仕　　様　　書

１委託名称　　ＥＭＣ試験機器校正業務委託

※校正対象機器については表1を参照のこと。

２　履行場所

当該機器製造会社、または校正機関、または地方独立行政法人大阪産業技術研究所和泉センター内の機器設置場所

３　契約期間　　開始日　契約日

終了日　令和４年３月３１日までの期間中で、本仕様書に基づく保守点検業務が完了する日まで

４　対象機器並びに業務

本業務委託の対象となる機器は、電気用品安全法、VCCI規格、CISPR規格等によるエミッション測定、及びIEC規格によるイミュニティ試験に用いられる15の機器である。機器の一覧を表1に示す。

校正は契約期間中、1つの機器につき１回実施するものとする。

表1　校正対象機器一覧

	校正品目	製造者	型式	製造番号
1	ハイブリッド・アンテナ	Schwarzbeck	VULB 9168	01185
2	ホーンアンテナ	ETS-Lindgren	3117	00064074
3	疑似通信回路網	Teseq	ISN T8	39138
4	アブソービング・クランプ	AMETEK	MDS21B	58892
5	ループアンテナ	ETS-Lindgren	Model 6502	00235192
6	磁界曝露レベルテスタ（プローブ込み）	Narda S.T.S.	ELT-400	M-0012（本体） M-1426（プローブ）
7	信号発生器	Rohde & Schwarz	SMB100A	105731
8	パワーメータ（パワーセンサ2台込み）	Rohde & Schwarz	NRVD（本体） NRV-Z5(パワーセンサ2台)	102272（本体） 100245（パワーセンサ1） 100246（パワーセンサ2）
9	ファースト･トランジェント/バースト試験器	EMTEST	EFT500N5.2	V1150111208

10	静電気試験器 （本体＋放電ガン）	ノイズ研究所	ESS-B3011A（本体） GT-30RA（放電ガン）	ESS1889008（本体） ESS1889033（放電ガン）
11	雷サージ試験器 (JEC 210／212)	ノイズ研究所	LSS-720B	LSS1192231
12	雷サージ試験器 (IEC61000-4-5)	ノイズ研究所	LSS-F02C3	LSS1172206
13	ディジタルオシロスコープ	Tektronix	DPO7354	B055321
14	バイコニカルアンテナ （ペア、NSA測定用）	Schwarzbeck	BBA9106（エレメント） VHA9103（バラン）	1128及び1129
15	ログペリオディックアンテナ （ペア、NSA測定用）	Schwarzbeck	VULP9118A	00792及び00793

5　校正項目及び校正方法

各機器の校正項目及び校正方法は以下のとおりとする。また、校正条件及び校正点は、別紙1から15に示す校正結果記載例（校正証明書から校正結果が記された部分を抜粋したもの）を参照すること。

(1) ハイブリッド・アンテナ

アンテナ係数、VSWR、及びアンテナ対称性について、30 MHz―1 GHzの周波数範囲でANSI C63.5:2017に準じた標準サイト法により校正を行うこと。校正条件及び校正点については別紙１を参照すること。

(2) ホーンアンテナ1 GHz―18 GHz

アンテナ係数及びVSWRについて、1 GHz―18 GHzの周波数範囲でANSI C63.5:2017に準じた方法により校正を行うこと。校正条件及び校正点については別紙２を参照すること。

(3) 疑似通信回路網

次のa)からe）までの各項目について、150 kHz―30 MHzの周波数範囲でCISPR 16-1-2:2014+AMD1:2017に準じた方法により校正を行うこと。校正条件及び校正点については別紙３を参照すること。

a）不平衡妨害波電圧に対する基本回路網の終端インピーダンスの大きさと位相

b）回路網の EUT（供試装置）接続端子における縦電圧変換損（LCL）

c) AE（関連装置）接続端子と、EUT 接続端子間の不平衡信号の減結合減衰量

d) EUT 接続端子と、AE 接続端子間の平衡信号に対する挿入損失

e) EUT 接続端子と測定用受信機の接続端子間に挿入される不平衡回路の電圧変換係数

(4) アブソービング・クランプ

クランプ係数について、30 MHz―1000 MHzの周波数範囲でCISPR 16-1-3:2004に準じた方法により校正を行うこと。校正条件及び校正点については別紙4を参照すること。

(5) ループアンテナ

磁界アンテナ係数およびアンテナ係数について、9 kHz―30 MHzの周波数範囲で校正を行うこと。校正条件及び校正点については別紙5を参照すること。

(6) 磁界曝露レベルテスタ（プローブ込み）

交流磁束密度の指示値について、50 Hzおよび60 Hzの周波数において校正を行うこと。校正条件及び校正点については別紙6を参照すること。

(7) 信号発生器

次のa)からd)までの各項目について校正を行うこと。校正条件及び校正点については別紙7を参照すること。

a) 出力レベル

b) 周波数

c) AM変調における変調度

d) AM変調における変調周波数

(8) パワーメータ（パワーセンサ2台込み）

高周波電圧の表示値について、100 kHz―1000 MHzの周波数範囲で校正を行うこと。校正条件及び校正点については別紙8を参照すること。

(9) ファースト・トランジェント/ バースト試験器

PULSE　OUT出力端子及びCDN出力端子における出力波形（出力電圧、立上り時間、パルス幅、パルス周波数、バースト期間、バースト周期）について校正を行うこと。校正条件及び校正点については別紙9を参照すること。

(10) 静電気試験器（本体＋放電ガン）

静電気放電出力波形（放電電流、立上り時間、出力電圧）及び充放電コンデンサ容量について校正を行うこと。校正条件及び校正点については別紙10を参照すること。

(11) 雷サージ試験器（JEC 210／212）

サージ出力波形（サージ電圧又はサージ電流、波頭長、波尾長）について校正を行うこと。校正条件及び校正点については別紙11を参照すること。

(12) 雷サージ試験器（IEC61000-4-5）

サージ出力波形（サージ電圧又はサージ電流、波頭長、波尾長）について校正を行うこと。校正条件及び校正点については別紙12を参照すること。

(13) ディジタルオシロスコープ

直流電圧表示値、周波数特性、周期表示について校正を行うこと。校正条件及び校正点については別紙13を参照すること。

(14) バイコニカルアンテナ(ペア、NSA測定用)

次のa)からc)までの各項目について校正を行うこと。校正条件、校正点及び校正結果の記載方法については別紙14を参照すること。

a) 自由空間アンテナ係数（参照規格CISPR16-1-6:2014+AMD1:2017）

b) 自由空間アンテナ係数（参照規格ANSI C63.5:2017）

c) ジオメトリ（幾何学的配置）毎のアンテナ係数

(15) ログペリオディックアンテナ(ペア、NSA測定用)

次のa)からd)までの各項目について校正を行うこと。校正条件、校正点及び校正結果の記載方法については別紙15を参照すること。

a) 自由空間アンテナ係数（参照規格CISPR16-1-6:2014+AMD1:2017）

b) 自由空間アンテナ係数（参照規格ANSI C63.5:2017）

c) ジオメトリ（幾何学的配置）毎のアンテナ係数

d) GSCF（ジオメトリ固有の補正係数）

6　校正証明書の提出

受託業務完了後、受託者は校正を実施したすべての機器について校正証明書を担当者に提出すること。提出する校正証明書は、ISO/IEC 17025認定校正事業者が発行する校正証明書であって、認定シンボル（JCSS、JAB、A2LA等、認定機関のロゴマーク）表示が付されているものであること。ただし、次のa)からd)までの機器については、校正に使用した校正標準器及び測定器（校正の不確かさに影響するものすべて）の校正証明書（ISO/IEC 17025認定校正事業者によるものに限る）とトレーサビリティ体系図を添付すれば、提出する校正証明書は認定シンボルが付されたものでなくて

もよい。また、ISO/IEC 17025認定校正事業者によるものでなくてもよい。

a）ファースト･トランジェント/バースト試験器　EMTEST製　EFT500N5.2

b）静電気試験器　ノイズ研究所製 ESS-B3011A（本体）及びGT-30RA（放電ガン）

c）雷サージ試験器　ノイズ研究所製 LSS-720B

d）雷サージ試験器　ノイズ研究所製 LSS-F02C3

7　関係法規等の遵守

受託者は、業務委託の実施にあたり、仕様書及び関係法規を遵守するものとする。

8　秘密の保持

⑴受託者は、受託業務の処理上知り得た秘密を他人に漏らしてはならない。3に規定する契約期間の終了後又はこの契約の解除後においても同様とする。

⑵上記規定は、再受託者等に準用する。

9　業務委託の従事者

業務委託に従事する者は、業務の内容に精通し、かつ、習熟した者をもって充てること。

10　検査

受託者は、業務委託が完了した時、担当者の検査を受けること。

11　負担区分

⑴委託者負担：点検に必要な場所及び光熱水費

⑵受託者負担：点検に必要な工具及び計測器並びに事務用品、消耗品及び報告書並びにその他必要とされるもの

12　損害賠償

受託者は、点検作業において、地方独立行政法人大阪産業技術研究所又は第三者に人的又は物的に損害を与えた場合は、これを賠償しなければならない。

以上

Calibration Data

1. Antenna Factor

The results of 30MHz to 1000MHz are shown in Table 1-1, 1-2 and Figure 1.

Equipment Under Calibration
Model Name :
Serial No. :

Condition of Measurement
Polarization : Horizontal
Distance : 10.0 meters
Tx Ant. Height : 2.0 meters
Rx Ant. Height : 1.0-4.0 meters

Table 1-1 Antenna Factor (30MHz - 200MHz)

Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)
30	[illegible]	73	[illegible]	116	[illegible]	159	[illegible]
31	[illegible]	74	[illegible]	117	[illegible]	160	[illegible]
32	[illegible]	75	[illegible]	118	[illegible]	161	[illegible]
33	[illegible]	76	[illegible]	119	[illegible]	162	[illegible]
34	[illegible]	77	[illegible]	120	[illegible]	163	[illegible]
35	[illegible]	78	[illegible]	121	[illegible]	164	[illegible]
36	[illegible]	79	[illegible]	122	[illegible]	165	[illegible]
37	[illegible]	80	[illegible]	123	[illegible]	166	[illegible]
38	[illegible]	81	[illegible]	124	[illegible]	167	[illegible]
39	[illegible]	82	[illegible]	125	[illegible]	168	[illegible]
40	[illegible]	83	[illegible]	126	[illegible]	169	[illegible]
41	[illegible]	84	[illegible]	127	[illegible]	170	[illegible]
42	[illegible]	85	[illegible]	128	[illegible]	171	[illegible]
43	[illegible]	86	[illegible]	129	[illegible]	172	[illegible]
44	[illegible]	87	[illegible]	130	[illegible]	173	[illegible]
45	[illegible]	88	[illegible]	131	[illegible]	174	[illegible]
46	[illegible]	89	[illegible]	132	[illegible]	175	[illegible]
47	[illegible]	90	[illegible]	133	[illegible]	176	[illegible]
48	[illegible]	91	[illegible]	134	[illegible]	177	[illegible]
49	[illegible]	92	[illegible]	135	[illegible]	178	[illegible]
50	[illegible]	93	[illegible]	136	[illegible]	179	[illegible]
51	[illegible]	94	[illegible]	137	[illegible]	180	[illegible]
52	[illegible]	95	[illegible]	138	[illegible]	181	[illegible]
53	[illegible]	96	[illegible]	139	[illegible]	182	[illegible]
54	[illegible]	97	[illegible]	140	[illegible]	183	[illegible]
55	[illegible]	98	[illegible]	141	[illegible]	184	[illegible]
56	[illegible]	99	[illegible]	142	[illegible]	185	[illegible]
57	[illegible]	100	[illegible]	143	[illegible]	186	[illegible]
58	[illegible]	101	[illegible]	144	[illegible]	187	[illegible]
59	[illegible]	102	[illegible]	145	[illegible]	188	[illegible]
60	[illegible]	103	[illegible]	146	[illegible]	189	[illegible]
61	[illegible]	104	[illegible]	147	[illegible]	190	[illegible]
62	[illegible]	105	[illegible]	148	[illegible]	191	[illegible]
63	[illegible]	106	[illegible]	149	[illegible]	192	[illegible]
64	[illegible]	107	[illegible]	150	[illegible]	193	[illegible]
65	[illegible]	108	[illegible]	151	[illegible]	194	[illegible]
66	[illegible]	109	[illegible]	152	[illegible]	195	[illegible]
67	[illegible]	110	[illegible]	153	[illegible]	196	[illegible]
68	[illegible]	111	[illegible]	154	[illegible]	197	[illegible]
69	[illegible]	112	[illegible]	155	[illegible]	198	[illegible]
70	[illegible]	113	[illegible]	156	[illegible]	199	[illegible]
71	[illegible]	114	[illegible]	157	[illegible]	200	[illegible]
72	[illegible]	115	[illegible]	158	[illegible]		

Table 1-2 Antenna Factor (200MHz - 1000MHz)

Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)	Frequency (MHz)	Antenna factor (dB/m)
200	[illegible]	405	[illegible]	610	[illegible]	815	[illegible]
205	[illegible]	410	[illegible]	615	[illegible]	820	[illegible]
210	[illegible]	415	[illegible]	620	[illegible]	825	[illegible]
215	[illegible]	420	[illegible]	625	[illegible]	830	[illegible]
220	[illegible]	425	[illegible]	630	[illegible]	835	[illegible]
225	[illegible]	430	[illegible]	635	[illegible]	840	[illegible]
230	[illegible]	435	[illegible]	640	[illegible]	845	[illegible]
235	[illegible]	440	[illegible]	645	[illegible]	850	[illegible]
240	[illegible]	445	[illegible]	650	[illegible]	855	[illegible]
245	[illegible]	450	[illegible]	655	[illegible]	860	[illegible]
250	[illegible]	455	[illegible]	660	[illegible]	865	[illegible]
255	[illegible]	460	[illegible]	665	[illegible]	870	[illegible]
260	[illegible]	465	[illegible]	670	[illegible]	875	[illegible]
265	[illegible]	470	[illegible]	675	[illegible]	880	[illegible]
270	[illegible]	475	[illegible]	680	[illegible]	885	[illegible]
275	[illegible]	480	[illegible]	685	[illegible]	890	[illegible]
280	[illegible]	485	[illegible]	690	[illegible]	895	[illegible]
285	[illegible]	490	[illegible]	695	[illegible]	900	[illegible]
290	[illegible]	495	[illegible]	700	[illegible]	905	[illegible]
295	[illegible]	500	[illegible]	705	[illegible]	910	[illegible]
300	[illegible]	505	[illegible]	710	[illegible]	915	[illegible]
305	[illegible]	510	[illegible]	715	[illegible]	920	[illegible]
310	[illegible]	515	[illegible]	720	[illegible]	925	[illegible]
315	[illegible]	520	[illegible]	725	[illegible]	930	[illegible]
320	[illegible]	525	[illegible]	730	[illegible]	935	[illegible]
325	[illegible]	530	[illegible]	735	[illegible]	940	[illegible]
330	[illegible]	535	[illegible]	740	[illegible]	945	[illegible]
335	[illegible]	540	[illegible]	745	[illegible]	950	[illegible]
340	[illegible]	545	[illegible]	750	[illegible]	955	[illegible]
345	[illegible]	550	[illegible]	755	[illegible]	960	[illegible]
350	[illegible]	555	[illegible]	760	[illegible]	965	[illegible]
355	[illegible]	560	[illegible]	765	[illegible]	970	[illegible]
360	[illegible]	565	[illegible]	770	[illegible]	975	[illegible]
365	[illegible]	570	[illegible]	775	[illegible]	980	[illegible]
370	[illegible]	575	[illegible]	780	[illegible]	985	[illegible]
375	[illegible]	580	[illegible]	785	[illegible]	990	[illegible]
380	[illegible]	585	[illegible]	790	[illegible]	995	[illegible]
385	[illegible]	590	[illegible]	795	[illegible]	1000	[illegible]
390	[illegible]	595	[illegible]	800	[illegible]		
395	[illegible]	600	[illegible]	805	[illegible]		
400	[illegible]	605	[illegible]	810	[illegible]		

2. VSWR

The results of 30MHz to 1000MHz are shown in Table 2-1, 2-2 [illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Condition of Measurement
Polarization : Horizontal
Ant. Height : 4.0 meters

Table 2-1 VSWR (30MHz - 200MHz)

Frequency (MHz)	VSWR	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR
30	[illegible]	73	[illegible]	116	[illegible]	159	[illegible]
31	[illegible]	74	[illegible]	117	[illegible]	160	[illegible]
32	[illegible]	75	[illegible]	118	[illegible]	161	[illegible]
33	[illegible]	76	[illegible]	119	[illegible]	162	[illegible]
34	[illegible]	77	[illegible]	120	[illegible]	163	[illegible]
35	[illegible]	78	[illegible]	121	[illegible]	164	[illegible]
36	[illegible]	79	[illegible]	122	[illegible]	165	[illegible]
37	[illegible]	80	[illegible]	123	[illegible]	166	[illegible]
38	[illegible]	81	[illegible]	124	[illegible]	167	[illegible]
39	[illegible]	82	[illegible]	125	[illegible]	168	[illegible]
40	[illegible]	83	[illegible]	126	[illegible]	169	[illegible]
41	[illegible]	84	[illegible]	127	[illegible]	170	[illegible]
42	[illegible]	85	[illegible]	128	[illegible]	171	[illegible]
43	[illegible]	86	[illegible]	129	[illegible]	172	[illegible]
44	[illegible]	87	[illegible]	130	[illegible]	173	[illegible]
45	[illegible]	88	[illegible]	131	[illegible]	174	[illegible]
46	[illegible]	89	[illegible]	132	[illegible]	175	[illegible]
47	[illegible]	90	[illegible]	133	[illegible]	176	[illegible]
48	[illegible]	91	[illegible]	134	[illegible]	177	[illegible]
49	[illegible]	92	[illegible]	135	[illegible]	178	[illegible]
50	[illegible]	93	[illegible]	136	[illegible]	179	[illegible]
51	[illegible]	94	[illegible]	137	[illegible]	180	[illegible]
52	[illegible]	95	[illegible]	138	[illegible]	181	[illegible]
53	[illegible]	96	[illegible]	139	[illegible]	182	[illegible]
54	[illegible]	97	[illegible]	140	[illegible]	183	[illegible]
55	[illegible]	98	[illegible]	141	[illegible]	184	[illegible]
56	[illegible]	99	[illegible]	142	[illegible]	185	[illegible]
57	[illegible]	100	[illegible]	143	[illegible]	186	[illegible]
58	[illegible]	101	[illegible]	144	[illegible]	187	[illegible]
59	[illegible]	102	[illegible]	145	[illegible]	188	[illegible]
60	[illegible]	103	[illegible]	146	[illegible]	189	[illegible]
61	[illegible]	104	[illegible]	147	[illegible]	190	[illegible]
62	[illegible]	105	[illegible]	148	[illegible]	191	[illegible]
63	[illegible]	106	[illegible]	149	[illegible]	192	[illegible]
64	[illegible]	107	[illegible]	150	[illegible]	193	[illegible]
65	[illegible]	108	[illegible]	151	[illegible]	194	[illegible]
66	[illegible]	109	[illegible]	152	[illegible]	195	[illegible]
67	[illegible]	110	[illegible]	153	[illegible]	196	[illegible]
68	[illegible]	111	[illegible]	154	[illegible]	197	[illegible]
69	[illegible]	112	[illegible]	155	[illegible]	198	[illegible]
70	[illegible]	113	[illegible]	156	[illegible]	199	[illegible]
71	[illegible]	114	[illegible]	157	[illegible]	200	[illegible]
72	[illegible]	115	[illegible]	158	[illegible]		

[illegible]

Table 2-2 VSWR (200MHz - 1000MHz)

Frequency (MHz)	VSWR	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR
200	[illegible]	405	[illegible]	610	[illegible]	815	[illegible]
205	[illegible]	410	[illegible]	615	[illegible]	820	[illegible]
210	[illegible]	415	[illegible]	620	[illegible]	825	[illegible]
215	[illegible]	420	[illegible]	625	[illegible]	830	[illegible]
220	[illegible]	425	[illegible]	630	[illegible]	835	[illegible]
225	[illegible]	430	[illegible]	635	[illegible]	840	[illegible]
230	[illegible]	435	[illegible]	640	[illegible]	845	[illegible]
235	[illegible]	440	[illegible]	645	[illegible]	850	[illegible]
240	[illegible]	445	[illegible]	650	[illegible]	855	[illegible]
245	[illegible]	450	[illegible]	655	[illegible]	860	[illegible]
250	[illegible]	455	[illegible]	660	[illegible]	865	[illegible]
255	[illegible]	460	[illegible]	665	[illegible]	870	[illegible]
260	[illegible]	465	[illegible]	670	[illegible]	875	[illegible]
265	[illegible]	470	[illegible]	675	[illegible]	880	[illegible]
270	[illegible]	475	[illegible]	680	[illegible]	885	[illegible]
275	[illegible]	480	[illegible]	685	[illegible]	890	[illegible]
280	[illegible]	485	[illegible]	690	[illegible]	895	[illegible]
285	[illegible]	490	[illegible]	695	[illegible]	900	[illegible]
290	[illegible]	495	[illegible]	700	[illegible]	905	[illegible]
295	[illegible]	500	[illegible]	705	[illegible]	910	[illegible]
300	[illegible]	505	[illegible]	710	[illegible]	915	[illegible]
305	[illegible]	510	[illegible]	715	[illegible]	920	[illegible]
310	[illegible]	515	[illegible]	720	[illegible]	925	[illegible]
315	[illegible]	520	[illegible]	725	[illegible]	930	[illegible]
320	[illegible]	525	[illegible]	730	[illegible]	935	[illegible]
325	[illegible]	530	[illegible]	735	[illegible]	940	[illegible]
330	[illegible]	535	[illegible]	740	[illegible]	945	[illegible]
335	[illegible]	540	[illegible]	745	[illegible]	950	[illegible]
340	[illegible]	545	[illegible]	750	[illegible]	955	[illegible]
345	[illegible]	550	[illegible]	755	[illegible]	960	[illegible]
350	[illegible]	555	[illegible]	760	[illegible]	965	[illegible]
355	[illegible]	560	[illegible]	765	[illegible]	970	[illegible]
360	[illegible]	565	[illegible]	770	[illegible]	975	[illegible]
365	[illegible]	570	[illegible]	775	[illegible]	980	[illegible]
370	[illegible]	575	[illegible]	780	[illegible]	985	[illegible]
375	[illegible]	580	[illegible]	785	[illegible]	990	[illegible]
380	[illegible]	585	[illegible]	790	[illegible]	995	[illegible]
385	[illegible]	590	[illegible]	795	[illegible]	1000	[illegible]
390	[illegible]	595	[illegible]	800	[illegible]		
395	[illegible]	600	[illegible]	805	[illegible]		
400	[illegible]	605	[illegible]	810	[illegible]		

[illegible]

3. Antenna Symmetry

The results of 30MHz to 300MHz are shown in Table 3-1, 3-2 [illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Condition of Measurement
Polarization : Vertical
Distance : 10.0 meters

Table 3-1 Antenna Symmetry (30MHz - 110MHz)

Frequency (MHz)	Reference Level	Rotated Level	Antenna symmetry(dB)	Frequency (MHz)	Reference Level	Rotated Level	Antenna symmetry(dB)
30	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	75	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	76	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	77	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	78	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	79	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	80	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	81	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	82	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	83	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	85	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	86	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	87	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	89	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	90	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	93	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	94	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	95	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	96	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	97	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	98	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	99	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	101	[illegible]	[illegible]	[illegible]
61	[illegible]	[illegible]	[illegible]	102	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	[illegible]	103	[illegible]	[illegible]	[illegible]
63	[illegible]	[illegible]	[illegible]	104	[illegible]	[illegible]	[illegible]
64	[illegible]	[illegible]	[illegible]	105	[illegible]	[illegible]	[illegible]
65	[illegible]	[illegible]	[illegible]	106	[illegible]	[illegible]	[illegible]
66	[illegible]	[illegible]	[illegible]	107	[illegible]	[illegible]	[illegible]
67	[illegible]	[illegible]	[illegible]	108	[illegible]	[illegible]	[illegible]
68	[illegible]	[illegible]	[illegible]	109	[illegible]	[illegible]	[illegible]
69	[illegible]	[illegible]	[illegible]	110	[illegible]	[illegible]	[illegible]
70	[illegible]	[illegible]	[illegible]				

Table 3-2 Antenna Symmetry (110MHz - 300MHz)

Frequency (MHz)	Reference Level	Rotated Level	Antenna symmetry(dB)	Frequency (MHz)	Reference Level	Rotated Level	Antenna symmetry(dB)
110	[illegible]	[illegible]	[illegible]	166	[illegible]	[illegible]	[illegible]
111	[illegible]	[illegible]	[illegible]	167	[illegible]	[illegible]	[illegible]
112	[illegible]	[illegible]	[illegible]	168	[illegible]	[illegible]	[illegible]
113	[illegible]	[illegible]	[illegible]	169	[illegible]	[illegible]	[illegible]
114	[illegible]	[illegible]	[illegible]	170	[illegible]	[illegible]	[illegible]
115	[illegible]	[illegible]	[illegible]	171	[illegible]	[illegible]	[illegible]
116	[illegible]	[illegible]	[illegible]	172	[illegible]	[illegible]	[illegible]
117	[illegible]	[illegible]	[illegible]	173	[illegible]	[illegible]	[illegible]
118	[illegible]	[illegible]	[illegible]	174	[illegible]	[illegible]	[illegible]
119	[illegible]	[illegible]	[illegible]	175	[illegible]	[illegible]	[illegible]
120	[illegible]	[illegible]	[illegible]	176	[illegible]	[illegible]	[illegible]
121	[illegible]	[illegible]	[illegible]	177	[illegible]	[illegible]	[illegible]
122	[illegible]	[illegible]	[illegible]	178	[illegible]	[illegible]	[illegible]
123	[illegible]	[illegible]	[illegible]	179	[illegible]	[illegible]	[illegible]
124	[illegible]	[illegible]	[illegible]	180	[illegible]	[illegible]	[illegible]
125	[illegible]	[illegible]	[illegible]	181	[illegible]	[illegible]	[illegible]
126	[illegible]	[illegible]	[illegible]	182	[illegible]	[illegible]	[illegible]
127	[illegible]	[illegible]	[illegible]	183	[illegible]	[illegible]	[illegible]
128	[illegible]	[illegible]	[illegible]	184	[illegible]	[illegible]	[illegible]
129	[illegible]	[illegible]	[illegible]	185	[illegible]	[illegible]	[illegible]
130	[illegible]	[illegible]	[illegible]	186	[illegible]	[illegible]	[illegible]
131	[illegible]	[illegible]	[illegible]	187	[illegible]	[illegible]	[illegible]
132	[illegible]	[illegible]	[illegible]	188	[illegible]	[illegible]	[illegible]
133	[illegible]	[illegible]	[illegible]	189	[illegible]	[illegible]	[illegible]
134	[illegible]	[illegible]	[illegible]	190	[illegible]	[illegible]	[illegible]
135	[illegible]	[illegible]	[illegible]	191	[illegible]	[illegible]	[illegible]
136	[illegible]	[illegible]	[illegible]	192	[illegible]	[illegible]	[illegible]
137	[illegible]	[illegible]	[illegible]	193	[illegible]	[illegible]	[illegible]
138	[illegible]	[illegible]	[illegible]	194	[illegible]	[illegible]	[illegible]
139	[illegible]	[illegible]	[illegible]	195	[illegible]	[illegible]	[illegible]
140	[illegible]	[illegible]	[illegible]	196	[illegible]	[illegible]	[illegible]
141	[illegible]	[illegible]	[illegible]	197	[illegible]	[illegible]	[illegible]
142	[illegible]	[illegible]	[illegible]	198	[illegible]	[illegible]	[illegible]
143	[illegible]	[illegible]	[illegible]	199	[illegible]	[illegible]	[illegible]
144	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]
145	[illegible]	[illegible]	[illegible]	205	[illegible]	[illegible]	[illegible]
146	[illegible]	[illegible]	[illegible]	210	[illegible]	[illegible]	[illegible]
147	[illegible]	[illegible]	[illegible]	215	[illegible]	[illegible]	[illegible]
148	[illegible]	[illegible]	[illegible]	220	[illegible]	[illegible]	[illegible]
149	[illegible]	[illegible]	[illegible]	225	[illegible]	[illegible]	[illegible]
150	[illegible]	[illegible]	[illegible]	230	[illegible]	[illegible]	[illegible]
151	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	[illegible]
152	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]
153	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]
154	[illegible]	[illegible]	[illegible]	250	[illegible]	[illegible]	[illegible]
155	[illegible]	[illegible]	[illegible]	255	[illegible]	[illegible]	[illegible]
156	[illegible]	[illegible]	[illegible]	260	[illegible]	[illegible]	[illegible]
157	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]	[illegible]
158	[illegible]	[illegible]	[illegible]	270	[illegible]	[illegible]	[illegible]
159	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]
160	[illegible]	[illegible]	[illegible]	280	[illegible]	[illegible]	[illegible]
161	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]
162	[illegible]	[illegible]	[illegible]	290	[illegible]	[illegible]	[illegible]
163	[illegible]	[illegible]	[illegible]	295	[illegible]	[illegible]	[illegible]
164	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]
165	[illegible]	[illegible]	[illegible]				

Calibration Data

1. Antenna Factor

The results of 1.00GHz to 18.00GHz are shown in Table 1-1, 1-2.

Equipment Under Calibration
Model Name :
Serial No. :

Condition of Measurement
Polarization : Horizontal
Distance : 3.0 meters
Tx Ant. Height : 3.0 meters
Rx Ant. Height : 3.0 meters

Table 1-1 Antenna Factor (1.00GHz – 7.55GHz)

Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)
1.00	[illegible]	2.65	[illegible]	4.30	[illegible]	5.95	[illegible]
1.05	[illegible]	2.70	[illegible]	4.35	[illegible]	6.00	[illegible]
1.10	[illegible]	2.75	[illegible]	4.40	[illegible]	6.05	[illegible]
1.15	[illegible]	2.80	[illegible]	4.45	[illegible]	6.10	[illegible]
1.20	[illegible]	2.85	[illegible]	4.50	[illegible]	6.15	[illegible]
1.25	[illegible]	2.90	[illegible]	4.55	[illegible]	6.20	[illegible]
1.30	[illegible]	2.95	[illegible]	4.60	[illegible]	6.25	[illegible]
1.35	[illegible]	3.00	[illegible]	4.65	[illegible]	6.30	[illegible]
1.40	[illegible]	3.05	[illegible]	4.70	[illegible]	6.35	[illegible]
1.45	[illegible]	3.10	[illegible]	4.75	[illegible]	6.40	[illegible]
1.50	[illegible]	3.15	[illegible]	4.80	[illegible]	6.45	[illegible]
1.55	[illegible]	3.20	[illegible]	4.85	[illegible]	6.50	[illegible]
1.60	[illegible]	3.25	[illegible]	4.90	[illegible]	6.55	[illegible]
1.65	[illegible]	3.30	[illegible]	4.95	[illegible]	6.60	[illegible]
1.70	[illegible]	3.35	[illegible]	5.00	[illegible]	6.65	[illegible]
1.75	[illegible]	3.40	[illegible]	5.05	[illegible]	6.70	[illegible]
1.80	[illegible]	3.45	[illegible]	5.10	[illegible]	6.75	[illegible]
1.85	[illegible]	3.50	[illegible]	5.15	[illegible]	6.80	[illegible]
1.90	[illegible]	3.55	[illegible]	5.20	[illegible]	6.85	[illegible]
1.95	[illegible]	3.60	[illegible]	5.25	[illegible]	6.90	[illegible]
2.00	[illegible]	3.65	[illegible]	5.30	[illegible]	6.95	[illegible]
2.05	[illegible]	3.70	[illegible]	5.35	[illegible]	7.00	[illegible]
2.10	[illegible]	3.75	[illegible]	5.40	[illegible]	7.05	[illegible]
2.15	[illegible]	3.80	[illegible]	5.45	[illegible]	7.10	[illegible]
2.20	[illegible]	3.85	[illegible]	5.50	[illegible]	7.15	[illegible]
2.25	[illegible]	3.90	[illegible]	5.55	[illegible]	7.20	[illegible]
2.30	[illegible]	3.95	[illegible]	5.60	[illegible]	7.25	[illegible]
2.35	[illegible]	4.00	[illegible]	5.65	[illegible]	7.30	[illegible]
2.40	[illegible]	4.05	[illegible]	5.70	[illegible]	7.35	[illegible]
2.45	[illegible]	4.10	[illegible]	5.75	[illegible]	7.40	[illegible]
2.50	[illegible]	4.15	[illegible]	5.80	[illegible]	7.45	[illegible]
2.55	[illegible]	4.20	[illegible]	5.85	[illegible]	7.50	[illegible]
2.60	[illegible]	4.25	[illegible]	5.90	[illegible]	7.55	[illegible]

Table 1-2 Antenna Factor (7.55GHz – 18.00GHz)

Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)	Frequency (GHz)	AF (dB/m)
7.55	[illegible]	9.20	[illegible]	11.70	[illegible]	15.00	[illegible]
7.60	[illegible]	9.25	[illegible]	11.80	[illegible]	15.10	[illegible]
7.65	[illegible]	9.30	[illegible]	11.90	[illegible]	15.20	[illegible]
7.70	[illegible]	9.35	[illegible]	12.00	[illegible]	15.30	[illegible]
7.75	[illegible]	9.40	[illegible]	12.10	[illegible]	15.40	[illegible]
7.80	[illegible]	9.45	[illegible]	12.20	[illegible]	15.50	[illegible]
7.85	[illegible]	9.50	[illegible]	12.30	[illegible]	15.60	[illegible]
7.90	[illegible]	9.55	[illegible]	12.40	[illegible]	15.70	[illegible]
7.95	[illegible]	9.60	[illegible]	12.50	[illegible]	15.80	[illegible]
8.00	[illegible]	9.65	[illegible]	12.60	[illegible]	15.90	[illegible]
8.05	[illegible]	9.70	[illegible]	12.70	[illegible]	16.00	[illegible]
8.10	[illegible]	9.75	[illegible]	12.80	[illegible]	16.10	[illegible]
8.15	[illegible]	9.80	[illegible]	12.90	[illegible]	16.20	[illegible]
8.20	[illegible]	9.85	[illegible]	13.00	[illegible]	16.30	[illegible]
8.25	[illegible]	9.90	[illegible]	13.10	[illegible]	16.40	[illegible]
8.30	[illegible]	9.95	[illegible]	13.20	[illegible]	16.50	[illegible]
8.35	[illegible]	10.00	[illegible]	13.30	[illegible]	16.60	[illegible]
8.40	[illegible]	10.10	[illegible]	13.40	[illegible]	16.70	[illegible]
8.45	[illegible]	10.20	[illegible]	13.50	[illegible]	16.80	[illegible]
8.50	[illegible]	10.30	[illegible]	13.60	[illegible]	16.90	[illegible]
8.55	[illegible]	10.40	[illegible]	13.70	[illegible]	17.00	[illegible]
8.60	[illegible]	10.50	[illegible]	13.80	[illegible]	17.10	[illegible]
8.65	[illegible]	10.60	[illegible]	13.90	[illegible]	17.20	[illegible]
8.70	[illegible]	10.70	[illegible]	14.00	[illegible]	17.30	[illegible]
8.75	[illegible]	10.80	[illegible]	14.10	[illegible]	17.40	[illegible]
8.80	[illegible]	10.90	[illegible]	14.20	[illegible]	17.50	[illegible]
8.85	[illegible]	11.00	[illegible]	14.30	[illegible]	17.60	[illegible]
8.90	[illegible]	11.10	[illegible]	14.40	[illegible]	17.70	[illegible]
8.95	[illegible]	11.20	[illegible]	14.50	[illegible]	17.80	[illegible]
9.00	[illegible]	11.30	[illegible]	14.60	[illegible]	17.90	[illegible]
9.05	[illegible]	11.40	[illegible]	14.70	[illegible]	18.00	[illegible]
9.10	[illegible]	11.50	[illegible]	14.80	[illegible]		
9.15	[illegible]	11.60	[illegible]	14.90	[illegible]		

2. VSWR

The results of 1.00GHz to 18.00GHz are shown in Table 2-1, 2-2 [illegible]

Equipment Under Calibration
Model Name : 3117
Serial No. : 00064074

Condition of Measurement
Polarization : Horizontal
Ant. Height : 4.0 meters

Table 2-1 VSWR (1.00GHz – 7.55GHz)

Frequency (GHz)	VSWR	Frequency (GHz)	VSWR	Frequency (GHz)	VSWR	Frequency (GHz)	VSWR
1.00	[illegible]	2.65	[illegible]	4.30	[illegible]	5.95	[illegible]
1.05	[illegible]	2.70	[illegible]	4.35	[illegible]	6.00	[illegible]
1.10	[illegible]	2.75	[illegible]	4.40	[illegible]	6.05	[illegible]
1.15	[illegible]	2.80	[illegible]	4.45	[illegible]	6.10	[illegible]
1.20	[illegible]	2.85	[illegible]	4.50	[illegible]	6.15	[illegible]
1.25	[illegible]	2.90	[illegible]	4.55	[illegible]	6.20	[illegible]
1.30	[illegible]	2.95	[illegible]	4.60	[illegible]	6.25	[illegible]
1.35	[illegible]	3.00	[illegible]	4.65	[illegible]	6.30	[illegible]
1.40	[illegible]	3.05	[illegible]	4.70	[illegible]	6.35	[illegible]
1.45	[illegible]	3.10	[illegible]	4.75	[illegible]	6.40	[illegible]
1.50	[illegible]	3.15	[illegible]	4.80	[illegible]	6.45	[illegible]
1.55	[illegible]	3.20	[illegible]	4.85	[illegible]	6.50	[illegible]
1.60	[illegible]	3.25	[illegible]	4.90	[illegible]	6.55	[illegible]
1.65	[illegible]	3.30	[illegible]	4.95	[illegible]	6.60	[illegible]
1.70	[illegible]	3.35	[illegible]	5.00	[illegible]	6.65	[illegible]
1.75	[illegible]	3.40	[illegible]	5.05	[illegible]	6.70	[illegible]
1.80	[illegible]	3.45	[illegible]	5.10	[illegible]	6.75	[illegible]
1.85	[illegible]	3.50	[illegible]	5.15	[illegible]	6.80	[illegible]
1.90	[illegible]	3.55	[illegible]	5.20	[illegible]	6.85	[illegible]
1.95	[illegible]	3.60	[illegible]	5.25	[illegible]	6.90	[illegible]
2.00	[illegible]	3.65	[illegible]	5.30	[illegible]	6.95	[illegible]
2.05	[illegible]	3.70	[illegible]	5.35	[illegible]	7.00	[illegible]
2.10	[illegible]	3.75	[illegible]	5.40	[illegible]	7.05	[illegible]
2.15	[illegible]	3.80	[illegible]	5.45	[illegible]	7.10	[illegible]
2.20	[illegible]	3.85	[illegible]	5.50	[illegible]	7.15	[illegible]
2.25	[illegible]	3.90	[illegible]	5.55	[illegible]	7.20	[illegible]
2.30	[illegible]	3.95	[illegible]	5.60	[illegible]	7.25	[illegible]
2.35	[illegible]	4.00	[illegible]	5.65	[illegible]	7.30	[illegible]
2.40	[illegible]	4.05	[illegible]	5.70	[illegible]	7.35	[illegible]
2.45	[illegible]	4.10	[illegible]	5.75	[illegible]	7.40	[illegible]
2.50	[illegible]	4.15	[illegible]	5.80	[illegible]	7.45	[illegible]
2.55	[illegible]	4.20	[illegible]	5.85	[illegible]	7.50	[illegible]
2.60	[illegible]	4.25	[illegible]	5.90	[illegible]	7.55	[illegible]

Table 2-2 VSWR (7.55GHz – 18.00GHz)

Frequency (GHz)	VSWR	Frequency (GHz)	VSWR	Frequency (GHz)	VSWR	Frequency (GHz)	VSWR
7.55	[illegible]	9.20	[illegible]	11.70	[illegible]	15.00	[illegible]
7.60	[illegible]	9.25	[illegible]	11.80	[illegible]	15.10	[illegible]
7.65	[illegible]	9.30	[illegible]	11.90	[illegible]	15.20	[illegible]
7.70	[illegible]	9.35	[illegible]	12.00	[illegible]	15.30	[illegible]
7.75	[illegible]	9.40	[illegible]	12.10	[illegible]	15.40	[illegible]
7.80	[illegible]	9.45	[illegible]	12.20	[illegible]	15.50	[illegible]
7.85	[illegible]	9.50	[illegible]	12.30	[illegible]	15.60	[illegible]
7.90	[illegible]	9.55	[illegible]	12.40	[illegible]	15.70	[illegible]
7.95	[illegible]	9.60	[illegible]	12.50	[illegible]	15.80	[illegible]
8.00	[illegible]	9.65	[illegible]	12.60	[illegible]	15.90	[illegible]
8.05	[illegible]	9.70	[illegible]	12.70	[illegible]	16.00	[illegible]
8.10	[illegible]	9.75	[illegible]	12.80	[illegible]	16.10	[illegible]
8.15	[illegible]	9.80	[illegible]	12.90	[illegible]	16.20	[illegible]
8.20	[illegible]	9.85	[illegible]	13.00	[illegible]	16.30	[illegible]
8.25	[illegible]	9.90	[illegible]	13.10	[illegible]	16.40	[illegible]
8.30	[illegible]	9.95	[illegible]	13.20	[illegible]	16.50	[illegible]
8.35	[illegible]	10.00	[illegible]	13.30	[illegible]	16.60	[illegible]
8.40	[illegible]	10.10	[illegible]	13.40	[illegible]	16.70	[illegible]
8.45	[illegible]	10.20	[illegible]	13.50	[illegible]	16.80	[illegible]
8.50	[illegible]	10.30	[illegible]	13.60	[illegible]	16.90	[illegible]
8.55	[illegible]	10.40	[illegible]	13.70	[illegible]	17.00	[illegible]
8.60	[illegible]	10.50	[illegible]	13.80	[illegible]	17.10	[illegible]
8.65	[illegible]	10.60	[illegible]	13.90	[illegible]	17.20	[illegible]
8.70	[illegible]	10.70	[illegible]	14.00	[illegible]	17.30	[illegible]
8.75	[illegible]	10.80	[illegible]	14.10	[illegible]	17.40	[illegible]
8.80	[illegible]	10.90	[illegible]	14.20	[illegible]	17.50	[illegible]
8.85	[illegible]	11.00	[illegible]	14.30	[illegible]	17.60	[illegible]
8.90	[illegible]	11.10	[illegible]	14.40	[illegible]	17.70	[illegible]
8.95	[illegible]	11.20	[illegible]	14.50	[illegible]	17.80	[illegible]
9.00	[illegible]	11.30	[illegible]	14.60	[illegible]	17.90	[illegible]
9.05	[illegible]	11.40	[illegible]	14.70	[illegible]	18.00	[illegible]
9.10	[illegible]	11.50	[illegible]	14.80	[illegible]		
9.15	[illegible]	11.60	[illegible]	14.90	[illegible]		

Calibration Data

1. Termination Impedance

The results of 0.15MHz to 30MHz are shown in Table 1-1 to 1-4 [illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.3 (s/n: 39138.02)

Table 1-1 Termination Impedance- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (magnitude)				
	AE - Open (Ω)	AE - Short (Ω)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	130Ω～170Ω	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.5 (s/n: 39138.01)

Table 1-2 Termination Impedance- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (magnitude)				
	AE - Open (Ω)	AE - Short (Ω)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	130Ω～170Ω	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.3 (s/n: 39138.02)

Table 1-3 Termination Impedance- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (magnitude)				
	AE - Open (Ω)	AE - Short (Ω)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	130Ω～170Ω	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.5 (s/n: 39138.01)

Table 1-4 Termination Impedance- Category 5: (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (magnitude)				
	AE - Open (Ω)	AE - Short (Ω)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	130Ω～170Ω	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

2. Phase of Basic Network Asymmetric Disturbance

The results of 0.15MHz to 30MHz are shown in Table 2-1 to 2-4 [illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.3 (s/n: 39138.02)

Table 2-1 Phase- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (Phase)				
	AE - Open (°)	AE - Short (°)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	0°± 20°	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.5 (s/n: 39138.01)

Table 2-2 Phase- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (Phase)				
	AE - Open (°)	AE - Short (°)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	0°± 20°	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration

Model Name : [illegible]

Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017

CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.3 (s/n: 39138.02)

Table 2-3 Phase- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (Phase)				
	AE - Open (°)	AE - Short (°)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	0°± 20°	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.5 (s/n: 39138.01)

Table 2-4 Phase- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Termination impedance of basic network for asymmetric disturbance voltage (Phase)				
	AE - Open (°)	AE - Short (°)	CISPR16-1-2 Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	0°± 20°	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

3. Longitudinal Conversion Loss (LCL) at the EUT Port of the Network

The results of 0.15MHz to 30MHz are shown in Table 3-1 to 3-4 and Figure 3-1 to 3-4.

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.3 (s/n: 39138.02)

Table 3-1 Longitudinal Conversion Loss (LCL)- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Pair 1-2 (dB)	Pair 3-6 (dB)	Pair 4-5 (dB)	Pair 7-8 (dB)	Limit (dB)	Judgment			
						Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]	52.00 ~ 58.00	[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]	51.99 ~ 57.99	[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]	51.98 ~ 57.98	[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]	51.97 ~ 57.97	[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]	51.96 ~ 57.96	[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]	51.94 ~ 57.94	[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]	51.92 ~ 57.92	[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]	51.89 ~ 57.89	[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]	51.86 ~ 57.86	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	51.83 ~ 57.83	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	51.36 ~ 57.36	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	50.66 ~ 56.66	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	49.85 ~ 55.85	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	48.99 ~ 54.99	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	48.13 ~ 54.13	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	47.29 ~ 53.29	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	46.49 ~ 52.49	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	45.73 ~ 51.73	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	45.01 ~ 51.01	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	42.00 ~ 48.00	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	39.70 ~ 45.70	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	37.85 ~ 43.85	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	36.32 ~ 42.32	[illegible]	[illegible]	[illegible]	[illegible]

Equipment Under Calibration
Model Name :
Serial No. :

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.5 (s/n: 39138.01)

Table 3-2 Longitudinal Conversion Loss (LCL)- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Pair 1-2 (dB)	Pair 3-6 (dB)	Pair 4-5 (dB)	Pair 7-8 (dB)	Limit (dB)	Judgment			
						Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15					62.00 ~ 68.00				
0.2					61.99 ~ 67.99				
0.3					61.98 ~ 67.98				
0.4					61.97 ~ 67.97				
0.5					61.96 ~ 67.96				
0.6					61.94 ~ 67.94				
0.7					61.92 ~ 67.92				
0.8					61.89 ~ 67.89				
0.9					61.86 ~ 67.86				
1					61.83 ~ 67.83				
2					61.36 ~ 67.36				
3					60.66 ~ 68.16				
4					59.85 ~ 67.35				
5					58.99 ~ 66.49				
6					58.13 ~ 65.63				
7					57.29 ~ 64.79				
8					56.49 ~ 63.99				
9					55.73 ~ 63.23				
10					55.01 ~ 62.51				
15					52.00 ~ 59.50				
20					49.70 ~ 57.20				
25					47.85 ~ 55.35				
30					46.32 ~ 53.82				

Equipment Under Calibration

Model Name : [illegible]

Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017

CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.3 (s/n: 39138.02)

Table 3-3 Longitudinal Conversion Loss (LCL)- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Pair 1-2 (dB)	Pair 3-6 (dB)	Pair 4-5 (dB)	Pair 7-8 (dB)	Limit (dB)	Judgment			
						Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]	52.00 ~ 58.00	[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]	51.99 ~ 57.99	[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]	51.98 ~ 57.98	[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]	51.97 ~ 57.97	[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]	51.96 ~ 57.96	[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]	51.94 ~ 57.94	[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]	51.92 ~ 57.92	[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]	51.89 ~ 57.89	[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]	51.86 ~ 57.86	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	51.83 ~ 57.83	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	51.36 ~ 57.36	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	50.66 ~ 56.66	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	49.85 ~ 55.85	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	48.99 ~ 54.99	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	48.13 ~ 54.13	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	47.29 ~ 53.29	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	46.49 ~ 52.49	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	45.73 ~ 51.73	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	45.01 ~ 51.01	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	42.00 ~ 48.00	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	39.70 ~ 45.70	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	37.85 ~ 43.85	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	36.32 ~ 42.32	[illegible]	[illegible]	[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.5 (s/n: 39138.01)

Table 3-4 Longitudinal Conversion Loss (LCL)- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Pair 1-2 (dB)	Pair 3-6 (dB)	Pair 4-5 (dB)	Pair 7-8 (dB)	Limit (dB)	Judgment			
						Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]	62.00 ~ 68.00	[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]	61.99 ~ 67.99	[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]	61.98 ~ 67.98	[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]	61.97 ~ 67.97	[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]	61.96 ~ 67.96	[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]	61.94 ~ 67.94	[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]	61.92 ~ 67.92	[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]	61.89 ~ 67.89	[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]	61.86 ~ 67.86	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	61.83 ~ 67.83	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	61.36 ~ 67.36	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	60.66 ~ 68.16	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	59.85 ~ 67.35	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	58.99 ~ 66.49	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	58.13 ~ 65.63	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	57.29 ~ 64.79	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	56.49 ~ 63.99	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	55.73 ~ 63.23	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	55.01 ~ 62.51	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	52.00 ~ 59.50	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	49.70 ~ 57.20	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	47.85 ~ 55.35	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	46.32 ~ 53.82	[illegible]	[illegible]	[illegible]	[illegible]

4. Voltage Division Factor of the Asymmetry Between EUT & Measuring Receiver Port

The results of 0.15MHz to 30MHz are shown in Table 4-1, 4 -2 and Figure 4-1, 4-2.

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.3 (s/n: 39138.02) AD T800-Cat.5 (s/n: 39138.01)

Table 4-1 Voltage Division Factor- Category 3,5 (0.15MHz - 30MHz)

Frequency (MHz)	Voltage Division Factor (dB)			Judgment	
	Category 3	Category 5	Limit	Category 3	Category 5
0.15	[illegible]	[illegible]	8.5～10.5	[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]		[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

Equipment Under Calibration

Model Name : [illegible]

Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017

CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.3 (s/n: 39138.02) AD T8X0-Cat.5 (s/n: 39138.01)

Table 4-2 Voltage Division Factor- Category 3,5 (0.15MHz - 30MHz)

Frequency (MHz)	Voltage Division Factor (dB)			Judgment	
	Category 3	Category 5	Limit	Category 3	Category 5
0.15	[illegible]	[illegible]		[illegible]	[illegible]
0.2	[illegible]	[illegible]		[illegible]	[illegible]
0.3	[illegible]	[illegible]		[illegible]	[illegible]
0.4	[illegible]	[illegible]		[illegible]	[illegible]
0.5	[illegible]	[illegible]		[illegible]	[illegible]
0.6	[illegible]	[illegible]		[illegible]	[illegible]
0.7	[illegible]	[illegible]		[illegible]	[illegible]
0.8	[illegible]	[illegible]		[illegible]	[illegible]
0.9	[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]		[illegible]	[illegible]
2	[illegible]	[illegible]		[illegible]	[illegible]
3	[illegible]	[illegible]	8.5～10.5	[illegible]	[illegible]
4	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]		[illegible]	[illegible]
6	[illegible]	[illegible]		[illegible]	[illegible]
7	[illegible]	[illegible]		[illegible]	[illegible]
8	[illegible]	[illegible]		[illegible]	[illegible]
9	[illegible]	[illegible]		[illegible]	[illegible]
10	[illegible]	[illegible]		[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]		[illegible]	[illegible]
25	[illegible]	[illegible]		[illegible]	[illegible]
30	[illegible]	[illegible]		[illegible]	[illegible]

5. Insertion Loss of the Symmetric Circuit Between EUT & AE Ports

The results of 0.15MHz to 30MHz are shown in Table 5-1 to 5-4 and Figure 5-1 to 5-4.

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.3 (s/n: 39138.02)
+ AD T800-R (s/n: 39138.03)

Table 5-1 Insertion Loss- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Insertion loss (dB)					Judgment			
	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8	Limit	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]	3dB >	[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T800-Cat.5 (s/n: 39138.01)
+ AD T800-R (s/n: 39138.03)

Table 5-2 Insertion Loss- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Insertion loss (dB)					Judgment			
	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8	Limit	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	3dB >	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]		Pass	[illegible]	[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.3 (s/n: 39138.02)
+ AD T8X0-R (s/n: 39138.03)

Table 5-3 Insertion Loss- Category 3 (0.15MHz - 30MHz)

Frequency (MHz)	Insertion loss (dB)					Judgment			
	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8	Limit	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	3dB >	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Adapter set : AD T8X0-Cat.5 (s/n: 39138.01)
+ AD T8X0-R (s/n: 39138.03)

Table 5-4 Insertion Loss- Category 5 (0.15MHz - 30MHz)

Frequency (MHz)	Insertion loss (dB)					Judgment			
	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8	Limit	Pair 1-2	Pair 3-6	Pair 4-5	Pair 7-8
0.15	[illegible]	[illegible]	[illegible]	[illegible]	3dB >	[illegible]	[illegible]	[illegible]	[illegible]
0.2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
0.9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

6. Decoupling attenuation for asymmetric signals between AE port and EUT port

The results of 0.15MHz to 30MHz are shown in Table 6 [illegible]

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-2: 2014 + AMD1:2017
CA-QP-033 ISN (Impedance Stabilization Network) Calibration Procedure Ver.2-0

Table 6 Decoupling (0.15MHz - 30MHz)

Frequency (MHz)	Decoupling attenuation for asymmetric signals between AE port and EUT port (dB)				
	AE - Open	AE - Short	CISPR16-1-2 Minimum Limit	Judgment (Open)	Judgment (Short)
0.15	[illegible]	[illegible]	35.00	[illegible]	[illegible]
0.2	[illegible]	[illegible]	37.50	[illegible]	[illegible]
0.3	[illegible]	[illegible]	41.02	[illegible]	[illegible]
0.4	[illegible]	[illegible]	43.52	[illegible]	[illegible]
0.5	[illegible]	[illegible]	45.46	[illegible]	[illegible]
0.6	[illegible]	[illegible]	47.04	[illegible]	[illegible]
0.7	[illegible]	[illegible]	48.38	[illegible]	[illegible]
0.8	[illegible]	[illegible]	49.54	[illegible]	[illegible]
0.9	[illegible]	[illegible]	50.56	[illegible]	[illegible]
1	[illegible]	[illegible]	51.48	[illegible]	[illegible]
2	[illegible]	[illegible]	55.00	[illegible]	[illegible]
3	[illegible]	[illegible]	55.00	[illegible]	[illegible]
4	[illegible]	[illegible]	55.00	[illegible]	[illegible]
5	[illegible]	[illegible]	55.00	[illegible]	[illegible]
6	[illegible]	[illegible]	55.00	[illegible]	[illegible]
7	[illegible]	[illegible]	55.00	[illegible]	[illegible]
8	[illegible]	[illegible]	55.00	[illegible]	[illegible]
9	[illegible]	[illegible]	55.00	[illegible]	[illegible]
10	[illegible]	[illegible]	55.00	[illegible]	[illegible]
15	[illegible]	[illegible]	55.00	[illegible]	[illegible]
20	[illegible]	[illegible]	55.00	[illegible]	[illegible]
25	[illegible]	[illegible]	55.00	[illegible]	[illegible]
30	[illegible]	[illegible]	55.00	[illegible]	[illegible]

Calibration Data

Clamp Factor

The results of 30MHz to 1000MHz are shown in Table 1-1, 1-2 and Figure 1.

Equipment Under Calibration
Model Name : [illegible]
Serial No. : [illegible]

Standard : CISPR16-1-3: 2004
CA-QP-027 Absorbing Clamp
Calibration Procedure Ver.1-1

Table 1-1 Clamp Factor (30MHz - 300MHz)

Frequency (MHz)	Clamp Factor (dB)	Frequency (MHz)	Clamp Factor (dB)	Frequency (MHz)	Clamp Factor (dB)	Frequency (MHz)	Clamp Factor (dB)
30	[illegible]	55	[illegible]	100	[illegible]	195	[illegible]
31	[illegible]	56	[illegible]	102	[illegible]	200	[illegible]
32	[illegible]	57	[illegible]	104	[illegible]	205	[illegible]
33	[illegible]	58	[illegible]	106	[illegible]	210	[illegible]
34	[illegible]	59	[illegible]	108	[illegible]	215	[illegible]
35	[illegible]	60	[illegible]	110	[illegible]	220	[illegible]
36	[illegible]	62	[illegible]	112	[illegible]	225	[illegible]
37	[illegible]	64	[illegible]	114	[illegible]	230	[illegible]
38	[illegible]	66	[illegible]	116	[illegible]	235	[illegible]
39	[illegible]	68	[illegible]	118	[illegible]	240	[illegible]
40	[illegible]	70	[illegible]	120	[illegible]	245	[illegible]
41	[illegible]	72	[illegible]	125	[illegible]	250	[illegible]
42	[illegible]	74	[illegible]	130	[illegible]	255	[illegible]
43	[illegible]	76	[illegible]	135	[illegible]	260	[illegible]
44	[illegible]	78	[illegible]	140	[illegible]	265	[illegible]
45	[illegible]	80	[illegible]	145	[illegible]	270	[illegible]
46	[illegible]	82	[illegible]	150	[illegible]	275	[illegible]
47	[illegible]	84	[illegible]	155	[illegible]	280	[illegible]
48	[illegible]	86	[illegible]	160	[illegible]	285	[illegible]
49	[illegible]	88	[illegible]	165	[illegible]	290	[illegible]
50	[illegible]	90	[illegible]	170	[illegible]	295	[illegible]
51	[illegible]	92	[illegible]	175	[illegible]	300	[illegible]
52	[illegible]	94	[illegible]	180	[illegible]		
53	[illegible]	96	[illegible]	185	[illegible]		
54	[illegible]	98	[illegible]	190	[illegible]		

Table 1-2 Clamp Factor (300MHz - 1000MHz)

Frequency (MHz)	Clamp Factor (dB)	Frequency (MHz)	Clamp Factor (dB)	Frequency (MHz)	Clamp Factor (dB)
300	[illegible]	540	[illegible]	780	[illegible]
310	[illegible]	550	[illegible]	790	[illegible]
320	[illegible]	560	[illegible]	800	[illegible]
330	[illegible]	570	[illegible]	810	[illegible]
340	[illegible]	580	[illegible]	820	[illegible]
350	[illegible]	590	[illegible]	830	[illegible]
360	[illegible]	600	[illegible]	840	[illegible]
370	[illegible]	610	[illegible]	850	[illegible]
380	[illegible]	620	[illegible]	860	[illegible]
390	[illegible]	630	[illegible]	870	[illegible]
400	[illegible]	640	[illegible]	880	[illegible]
410	[illegible]	650	[illegible]	890	[illegible]
420	[illegible]	660	[illegible]	900	[illegible]
430	[illegible]	670	[illegible]	910	[illegible]
440	[illegible]	680	[illegible]	920	[illegible]
450	[illegible]	690	[illegible]	930	[illegible]
460	[illegible]	700	[illegible]	940	[illegible]
470	[illegible]	710	[illegible]	950	[illegible]
480	[illegible]	720	[illegible]	960	[illegible]
490	[illegible]	730	[illegible]	970	[illegible]
500	[illegible]	740	[illegible]	980	[illegible]
510	[illegible]	750	[illegible]	990	[illegible]
520	[illegible]	760	[illegible]	1000	[illegible]
530	[illegible]	770	[illegible]		

Antenna Factors for Loop Antenna
Manufactured by: ETS-Lindgren
Model Number: 6502 Serial Number: 00235192
50 Ohms Input

Frequency (MHz)	Magnetic Antenna Factor (dBS/m)	Electric Antenna Factor (dB/m)
0.009	[illegible]	[illegible]
0.01	[illegible]	[illegible]
0.02	[illegible]	[illegible]
0.05	[illegible]	[illegible]
0.075	[illegible]	[illegible]
0.1	[illegible]	[illegible]
0.15	[illegible]	[illegible]
0.25	[illegible]	[illegible]
0.5	[illegible]	[illegible]
0.75	[illegible]	[illegible]
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
4	[illegible]	[illegible]
5	[illegible]	[illegible]
10	[illegible]	[illegible]
15	[illegible]	[illegible]
20	[illegible]	[illegible]
25	[illegible]	[illegible]
30	[illegible]	[illegible]

Specification compliance testing factor to be added to receiver meter reading in dBuV to convert to magnetic field intensity in dBuA/meter or to equivalent electric field intensity in dBuV/meter. Calibrated 01/14/2021 (MM DD YYYY). Calibrated per IEEE 291, Induction-Field Method

1. Magnetic Field Strength

Remarks : How to Use the Correction Factor

Magnetic Field Strength [μT] = DUT Indicated [μT] × Correction Factor

Frequency	Field Strength Nominal	Field Strength Reference		Low Cut	Range	Calibration Results DUT Indicated	Calibration Results Correction Factor
[Hz]	[A/m]	[A/m]	[μT]	[μT]	[Hz]	[μT]	
50	1	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	3	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	10	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	30	[illegible]	[illegible]	10	High	[illegible]	[illegible]

Frequency	Field Strength Nominal	Field Strength Reference		Low Cut	Range	Calibration Results DUT Indicated	Calibration Results Correction Factor
[Hz]	[A/m]	[A/m]	[μT]	[μT]	[Hz]	[μT]	
60	1	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	3	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	10	[illegible]	[illegible]	10	Low	[illegible]	[illegible]
	30	[illegible]	[illegible]	10	High	[illegible]	[illegible]

校　正　結　果

出力レベル

周波数	設定値	校正値	校正の不確かさ
100 kHz	0.00 dBm	[illegible]	[illegible]
1 MHz	0.00 dBm	[illegible]	[illegible]
10 MHz	0.00 dBm	[illegible]	[illegible]
100 MHz	0.00 dBm	[illegible]	[illegible]
100 MHz	-10.00 dBm	[illegible]	[illegible]
100 MHz	-30.00 dBm	[illegible]	[illegible]
100 MHz	-50.00 dBm	[illegible]	[illegible]
100 MHz	-70.00 dBm	[illegible]	[illegible]
300 MHz	0.00 dBm	[illegible]	[illegible]
500 MHz	0.00 dBm	[illegible]	[illegible]
1 GHz	0.00 dBm	[illegible]	[illegible]
3 GHz	0.00 dBm	[illegible]	[illegible]

校正の条件
1) 上記の結果は、出力端子部に於ける値である。
2) 負荷: 50 Ω
3) 0 dB: 1 mW基準

変調度

搬送周波数	設定値	校正値	校正の不確かさ
150 MHz	80.0 %	[illegible] %	設定値に対して [illegible] %

校正の条件
1) Modulation: AM
2) Level: 0 dBm
3) LFGen Freq: 1 kHz

変調周波数

搬送周波数	設定値	校正値	校正の不確かさ
150 MHz	1.000 00 kHz	[illegible]	[illegible] %

校正の条件
1) Modulation: AM
2) Level: 0 dBm
3) AM Depth: 80 %

周波数

設定値	校正値	校正の不確かさ
1.000 000 000 00 GHz	[illegible]	[illegible]

校正の条件　Level: 0 dBm

以下余白

校　正　結　果

高周波電圧表示

チャンネル	周波数	表示値	校正値	校正の不確かさ
A	100 kHz	[illegible]	[illegible]	[illegible]
A	1 MHz	[illegible]	[illegible]	[illegible]
A	1 MHz	[illegible]	[illegible]	[illegible]
A	1 MHz	[illegible]	[illegible]	[illegible]
A	1 MHz	[illegible]	[illegible]	[illegible]
A	1 MHz	[illegible]	[illegible]	[illegible]
A	10 MHz	[illegible]	[illegible]	[illegible]
A	100 MHz	[illegible]	[illegible]	[illegible]
A	500 MHz	[illegible]	[illegible]	[illegible]
A	1 000 MHz	[illegible]	[illegible]	[illegible]

校正の条件　1) 上記の結果は測定周波数を入力し、FRQ CORR機能をONにして校正した値である。
2) RANGE: AUTO

校正の不確かさ

校正の不確かさは、拡張不確かさであり、包含係数k = 2から決定され、約95 %の信頼の水準をもつと推定される区間を定める。

使用した標準器等

品名	型式	製造番号	製造者
サーミスタマウント/ブリッジ			
REFERENCE MULTIMETER			
TRUE RMS VOLTMETER			

特記事項　校正品の受理後、ゼロ調整を除き修理及び調整を行わず校正を実施した。

以 上

校　正　結　果

高周波電圧表示

チャンネル	周波数	表示値	校正値	校正の不確かさ
B	100 kHz	[illegible]	[illegible]	[illegible]
B	1 MHz	[illegible]	[illegible]	[illegible]
B	1 MHz	[illegible]	[illegible]	[illegible]
B	1 MHz	[illegible]	[illegible]	[illegible]
B	1 MHz	[illegible]	[illegible]	[illegible]
B	1 MHz	[illegible]	[illegible]	[illegible]
B	10 MHz	[illegible]	[illegible]	[illegible]
B	100 MHz	[illegible]	[illegible]	[illegible]
B	500 MHz	[illegible]	[illegible]	[illegible]
B	1 000 MHz	[illegible]	[illegible]	[illegible]

校正の条件　1) 上記の結果は測定周波数を入力し、FRQ CORR機能をONにして校正した値である。
2) RANGE: AUTO

校正の不確かさ

校正の不確かさは、拡張不確かさであり、包含係数k = 2から決定され、約95 %の信頼の水準をもつと推定される区間を定める。

使用した標準器等

品名	型式	製造番号	製造者
サーミスタマウント/ブリッジ			
REFERENCE MULTIMETER			
TRUE RMS VOLTMETER			

特記事項　校正品の受理後、ゼロ調整を除き修理及び調整を行わず校正を実施した。

以 上

◎Pulse Output　IEC61000-4-4 Ed.3 2012-4規格要求出力
○出力波形 50Ω終端，測定電圧=設定電圧/2
settings: repetition frequency=5kHz, burst duration=15ms

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧Vp	+250V	±10%	112.5 ～ 137.5		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	+500V	±10%	225.0 ～ 275.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	+1000V	±10%	450.0 ～ 550.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	+2000V	±10%	900.0 ～ 1100		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧Vp	-250V	±10%	-112.5 ～ -137.5		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	-500V	±10%	-225.0 ～ -275.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	-1000V	±10%	-450.0 ～ -550.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	-2000V	±10%	-900.0 ～ -1100		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	
出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	±30%	35.00 ～ 65.00		ns	

・ﾊﾟﾙｽ周波数

測定項目	設定値	許容誤差	許容範囲	測定値		判定
ﾊﾟﾙｽ周波数 f	2.5kHz	±20%	2.000 ～ 3.000		kHz	
ﾊﾟﾙｽ周波数 f	5.0kHz	±20%	4.000 ～ 6.000		kHz	
ﾊﾟﾙｽ周波数 f	100.0kHz	±20%	80.00 ～ 120.0		kHz	

・ﾊﾞｰｽﾄ期間(repetition frequency=5kHz or 100kHz)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
ﾊﾟﾙｽ期間 t	15.0ms	±20%	12.00 ～ 18.00		ms	
ﾊﾟﾙｽ期間 t	0.75ms	±20%	0.600 ～ 0.900		ms	

・ﾊﾞｰｽﾄ周期(repetition frequency=5kHz)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
ﾊﾞｰｽﾄ周期 t	300ms	±20%	240.0 ～ 360.0		ms	良

○出力波形 1000Ω終端，測定電圧=設定電圧-5%
settings: repetition frequency=5kHz, burst duration=15ms

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧Vp	+500V	(500V-5%)±20%	380.0 ～ 570.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	+1000V	(1000V-5%)±20%	760.0 ～ 1140		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	+2000V	(2000V-5%)±20%	1520 ～ 2280		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	+4000V	(4000V-5%)±20%	3040 ～ 4560		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧Vp	-500V	(-500V-5%)±20%	-380.0 ～ -570.0		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	-1000V	(-1000V-5%)±20%	-760.0 ～ -1140		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	-2000V	(-2000V-5%)±20%	-1520 ～ -2280		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	
出力電圧Vp	-4000V	(-4000V-5%)±20%	-3040 ～ -4560		V	
立上り時間Tr	5ns	±30%	3.500 ～ 6.500		ns	
ﾊﾟﾙｽ幅Tw	50ns	-15ns,+100ns	35.00 ～ 150.0		ns	

◎CDN Output　IEC61000-4-4 Ed.3 2012-4
○出力波形 50Ω終端，測定電圧=設定電圧/2
・全相印加、 ON Power port (settings:repetition frequency=5kHz, burst duration=15ms)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L1:　出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
L2:　出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
L3:　出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
N:　出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
PE:　出力電圧Vp	+4000V	±10%	1800 ～ 2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L1:　出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
L2:　出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
L3:　出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
N:　出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	
PE:　出力電圧Vp	-4000V	±10%	-1800 ～ -2200		V	
立上り時間Tr	5.5ns	±1.5ns	4.000 ～ 7.000		ns	
ﾊﾟﾙｽ幅Tw	45ns	±15ns	30.00 ～ 60.00		ns	

◎静電気放電波形出力（IEC規格61000-4-2 Ed.2. 2008-12）

・放電電流波形（Contact discharge）

LEVEL 1+

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 1 電圧	+2.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	7.5A	±15%	6.375 ～ 8.625		A	
放電電流 30ns Ip	4.0A	±30%	2.800 ～ 5.200		A	
放電電流 60ns Ip	2.0A	±30%	1.400 ～ 2.600		A	

LEVEL 2+

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 2 電圧	+4.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	15.0A	±15%	12.75 ～ 17.25		A	
放電電流 30ns Ip	8.0A	±30%	5.600 ～ 10.40		A	
放電電流 60ns Ip	4.0A	±30%	2.800 ～ 5.200		A	

LEVEL 3+

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 3 電圧	+6.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	22.5A	±15%	19.13 ～ 25.88		A	
放電電流 30ns Ip	12.0A	±30%	8.400 ～ 15.60		A	
放電電流 60ns Ip	6.0A	±30%	4.200 ～ 7.800		A	

LEVEL 4+

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 4 電圧	+8.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	30.0A	±15%	25.50 ～ 34.50		A	
放電電流 30ns Ip	16.0A	±30%	11.20 ～ 20.80		A	
放電電流 60ns Ip	8.0A	±30%	5.600 ～ 10.40		A	

LEVEL 1-

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 1 電圧	-2.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	-7.5A	±15%	-6.375 ～ -8.625		A	
放電電流 30ns Ip	-4.0A	±30%	-2.800 ～ -5.200		A	
放電電流 60ns Ip	-2.0A	±30%	-1.400 ～ -2.600		A	

LEVEL 2-

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 2 電圧	-4.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	-15.0A	±15%	-12.75 ～ -17.25		A	
放電電流 30ns Ip	-8.0A	±30%	-5.600 ～ -10.40		A	
放電電流 60ns Ip	-4.0A	±30%	-2.800 ～ -5.200		A	

LEVEL 3-

測定項目	設定値	許容誤差	許容範囲	測定値		判定
Level 3 電圧	-6.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	-22.5A	±15%	-19.13 ～ -25.88		A	
放電電流 30ns Ip	-12.0A	±30%	-8.400 ～ -15.60		A	
放電電流 60ns Ip	-6.0A	±30%	-4.200 ～ -7.800		A	

LEVEL 4-

測定項目	設定値	許容誤差	許容範囲			判定
Level 4 電圧	-8.0kV					
立上り時間 Tr	0.8ns	±25%	0.600 ～ 1.000		ns	
ﾋﾟｰｸ電流 1st Ip	-30.0A	±15%	-25.50 ～ -34.50		A	
放電電流 30ns Ip	-16.0A	±30%	-11.20 ～ -20.80		A	
放電電流 60ns Ip	-8.0A	±30%	-5.600 ～ -10.40		A	

・出力電圧（Air discharge）

+極性

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧	+2.0kV	±5%	1.900 ～ 2.100		kV	
出力電圧	+4.0kV	±5%	3.800 ～ 4.200		kV	
出力電圧	+6.0kV	±5%	5.700 ～ 6.300		kV	
出力電圧	+8.0kV	±5%	7.600 ～ 8.400		kV	
出力電圧	+15.0kV	±5%	14.25 ～ 15.75		kV	
出力電圧	+30.0kV	±5%	28.50 ～ 31.50		kV	

-極性

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧	-2.0kV	±5%	-1.900 ～ -2.100		kV	
出力電圧	-4.0kV	±5%	-3.800 ～ -4.200		kV	
出力電圧	-6.0kV	±5%	-5.700 ～ -6.300		kV	
出力電圧	-8.0kV	±5%	-7.600 ～ -8.400		kV	
出力電圧	-15.0kV	±5%	-14.25 ～ -15.75		kV	
出力電圧	-30.0kV	±5%	-28.50 ～ -31.50		kV	

・ｺﾝﾃﾞﾝｻ容量

測定項目	設定値	許容誤差	許容範囲	測定値		判定
ｺﾝﾃﾞﾝｻ容量	150pF	±10%	135.0 ～ 165.0		pF	良

◎サージ波形出力

○SURGE OUT部

・電圧ｻｰｼﾞ（出力端開放）　1.2/50μs

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧 V	5.0kV	20.0kV±5%	4.000 ～ 6.000		kV	
出力電圧 V	10.0kV	20.0kV±5%	9.000 ～ 11.00		kV	
出力電圧 V	20.0kV	20.0kV±5%	19.00 ～ 21.00		kV	
波頭長 Tr	1.2μs	±30%	0.840 ～ 1.560		μs	
波尾長 Td	50μs	±20%	40.00 ～ 60.00		μs	
出力電圧 V	-5.0kV	-20.0kV±5%	-4.000 ～ -6.000		kV	
出力電圧 V	-10.0kV	-20.0kV±5%	-9.000 ～ -11.00		kV	
出力電圧 V	-20.0kV	-20.0kV±5%	-19.00 ～ -21.00		kV	

・電流ｻｰｼﾞ（出力端短絡）　8/20μs

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電流 I	1000A	4000A±10%	600.0 ～ 1400		A	
出力電流 I	2000A	4000A±10%	1600 ～ 2400		A	
出力電流 I	4000A	4000A±10%	3600 ～ 4400		A	
波頭長 Tr	8μs	±10%	7.200 ～ 8.800		μs	
波尾長 Td	20μs	±10%	18.00 ～ 22.00		μs	
出力電流 I	-1000A	-4000A±10%	-600.0 ～ -1400		A	
出力電流 I	-2000A	-4000A±10%	-1600 ～ -2400		A	
出力電流 I	-4000A	-4000A±10%	-3600 ～ -4400		A	

○INJECTION部

・電圧ｻｰｼﾞ（参考値）　※ 1.2/50μs 設定

測定項目	設定値	許容誤差	許容範囲	測定値		判定
R相出力電圧 V	20.0kV	-----	-----		kV	
S相出力電圧 V	20.0kV	-----	-----		kV	

・電流ｻｰｼﾞ（参考値）※ 8/20μs

測定項目	設定値	許容誤差	許容範囲	測定値		判定
R相出力電流 I	4000A	-----	-----		A	
S相出力電流 I	4000A	-----	-----		A	

○CHECK端子電圧

・V.CHECK端子

測定項目	設定値	許容誤差	許容範囲	測定値		判定
CHECK端子電圧 V	20.0kV	V/100±10%	180.0 ～ 220.0		V	

・A.CHECK端子

測定項目	設定値	許容誤差	許容範囲	測定値		判定
CHECK端子電圧 V (100A/1V)	4000A	I/100±10%(V)	36.00 ～ 44.00		V	

◎サージ波形出力（IEC規格61000-4-5 Ed.2）
COMBINATION WAVE SURGE

・SURGE OUT (Open circuit voltage)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧	+0.50kV	±10%	0.450 ～ 0.550		kV	
波頭長	1.2μs	±30%	0.840 ～ 1.560		μs	
波尾長	50μs	±20%	40.00 ～ 60.00		μs	
出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
波頭長	1.2μs	±30%	0.840 ～ 1.560		μs	
波尾長	50μs	±20%	40.00 ～ 60.00		μs	
出力電圧	-0.50kV	±10%	-0.450 ～ -0.550		kV	
波頭長	1.2μs	±30%	0.840 ～ 1.560		μs	
波尾長	50μs	±20%	40.00 ～ 60.00		μs	
出力電圧	-15.00kV	±10%	-13.50 ～ -16.50		kV	
波頭長	1.2μs	±30%	0.840 ～ 1.560		μs	
波尾長	50μs	±20%	40.00 ～ 60.00		μs	

・SURGE OUT (Short circuit current)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電流	+0.50V	-----	-----	-----		---
	(250A)	±10%	225.0 ～ 275.0		A	
波頭長	8μs	±20%	6.400 ～ 9.600		μs	
波尾長	20μs	±20%	16.00 ～ 24.00		μs	
出力電流	+15.00kV	-----	-----			
	(7500A)	±10%	6750 ～ 8250		A	
波頭長	8μs	±20%	6.400 ～ 9.600		μs	
波尾長	20μs	±20%	16.00 ～ 24.00		μs	
出力電流	-0.50kV	-----	-----			
	-(250A)	±10%	-225.0 ～ -275.0		A	
波頭長	8μs	±20%	6.400 ～ 9.600		μs	
波尾長	20μs	±20%	16.00 ～ 24.00		μs	
出力電流	-15.00kV	-----	-----			
	-(7500A)	±10%	-6750 ～ -8250		A	
波頭長	8μs	±20%	6.400 ～ 9.600		μs	
波尾長	20μs	±20%	16.00 ～ 24.00		μs	

○CCITT(10/700μs) SURGE

・SURGE OUT (Open circuit voltage)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
出力電圧	+0.50kV	±10%	0.450 ～ 0.550		kV	
波頭長	10μs	±30%	7.000 ～ 13.00		μs	
波尾長	700μs	±20%	560.0 ～ 840.0		μs	
出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
波頭長	10μs	±30%	7.000 ～ 13.00		μs	
波尾長	700μs	±20%	560.0 ～ 840.0		μs	
出力電流	+15.00kV	-----	-----		A	
出力ｲﾝﾋﾟｰﾀﾞﾝｽ	40Ω	±10%	36.00 ～ 44.00		Ω	
出力電圧	-0.50kV	±10%	-0.450 ～ -0.550		kV	
波頭長	10μs	±30%	7.000 ～ 13.00		μs	
波尾長	700μs	±20%	560.0 ～ 840.0		μs	
出力電圧	-15.00kV	±10%	-13.50 ～ -16.50		kV	
波頭長	10μs	±30%	7.000 ～ 13.00		μs	
波尾長	700μs	±20%	560.0 ～ 840.0		μs	

○INJECTION 機能 (EUT port current rating 25A-60A ：LSS-F02C3=MAX 50A)
COMBINATION WAVE SURGE

・単相 Open circuit voltage

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L-N間 出力電圧	+4.00kV	±10%	3.600 ～ 4.400	[illegible]	kV	[illegible]
波頭長	1.2μs	±30%	0.840 ～ 1.560	[illegible]	μs	[illegible]
波尾長	50μs	+10μs/-15μs	35.00 ～ 60.00	[illegible]	μs	[illegible]
L-N間 出力電圧	+15.00kV	±10%	13.500 ～ 16.500	[illegible]	kV	[illegible]
波頭長	1.2μs	±30%	0.840 ～ 1.560	[illegible]	μs	[illegible]
波尾長	50μs	+10μs/-15μs	35.00 ～ 60.00	[illegible]	μs	[illegible]
L-PE間 出力電圧	+4.00kV	±10%	3.600 ～ 4.400	[illegible]	kV	[illegible]
波頭長	1.2μs	±30%	0.840 ～ 1.560	[illegible]	μs	[illegible]
波尾長	50μs	+10μs/-30μs	20.00 ～ 60.00	[illegible]	μs	[illegible]
N-PE間 出力電圧	+4.00kV	±10%	3.600 ～ 4.400	[illegible]	kV	[illegible]
波頭長	1.2μs	±30%	0.840 ～ 1.560	[illegible]	μs	[illegible]
波尾長	50μs	+10μs/-30μs	20.00 ～ 60.00	[illegible]	μs	[illegible]

・単相 Short circuit current

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L-N間 出力電流	+4.00kV	-----	-----	-----		---
	(2000A)	±10%	1800 ～ 2200	[illegible]	A	[illegible]
波頭長	8.0μs	±20%	6.400 ～ 9.600	[illegible]	μs	[illegible]
波尾長	20μs	±20%	16.00 ～ 24.00	[illegible]	μs	[illegible]
L-N間 出力電流	+15.00kV	-----	-----		-	
	(7500A)	±10%	6750 ～ 8250	[illegible]	A	[illegible]
波頭長	8.0μs	±20%	6.400 ～ 9.600	[illegible]	μs	[illegible]
波尾長	20μs	±20%	16.00 ～ 24.00	[illegible]	μs	[illegible]
L-PE間 出力電流	+4.00kV	-----	-----		-	
	(333A)	±10%	300.0 ～ 366.6	[illegible]	A	[illegible]
波頭長	2.5μs	±30%	1.750 ～ 3.250	[illegible]	μs	[illegible]
波尾長	25μs	±30%	17.50 ～ 32.50	[illegible]	μs	[illegible]
N-PE間 出力電流	+4.00kV	-----	-----		-	
	(333A)	±10%	300.0 ～ 366.6	[illegible]	A	[illegible]
波頭長	2.5μs	±30%	1.750 ～ 3.250	[illegible]	μs	[illegible]
波尾長	25μs	±30%	17.50 ～ 32.50	[illegible]	μs	[illegible]

・Phase Angle (L1-L2間, AC voltage:200V, frequency:60Hz, Test voltage:1kV)

測定項目	設定値	許容誤差	許容範囲	測定値		判定
注入位相角度	0°	±10°	-10.00 ～ 10.00	[illegible]	°	[illegible]
注入位相角度	90°	±10°	80.00 ～ 100.0	[illegible]	°	[illegible]
注入位相角度	180°	±10°	170.0 ～ 190.0	[illegible]	°	[illegible]
注入位相角度	270°	±10°	260.0 ～ 280.0	[illegible]	°	[illegible]

・三相 NORMAL MODE

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L1-L2間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L2-L3間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L3-L1間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L1-L2間 出力電流	(7500A)	±10%	6750 ～ 8250		A	
L2-L3間 出力電流	(7500A)	±10%	6750 ～ 8250		A	
L3-L1間 出力電流	(7500A)	±10%	6750 ～ 8250		A	

・DC NORMAL MODE

測定項目	設定値	許容誤差	許容範囲	測定値		判定
+--間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
+--間 出力電流	(7500A)	±10%	6750 ～ 8250		A	

○CCITT(10/700μs) SURGE

・Line - GND 間,4 Lines

測定項目	設定値	許容誤差	許容範囲	測定値		判定
L1-G 間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L2-G 間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L3-G 間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	
L4-G 間 出力電圧	+15.00kV	±10%	13.50 ～ 16.50		kV	

校　正　結　果

直流電圧表示

チャンネル	レンジ	表示値	校正値	校正の不確かさ
1	5 V/div	[illegible] V	[illegible] V	[illegible] %
1	2 V/div	[illegible] V	[illegible] V	[illegible] %
1	1 V/div	[illegible] V	[illegible] V	[illegible] %
1	500 mV/div	[illegible] V	[illegible] V	[illegible] %
1	200 mV/div	[illegible] V	[illegible] V	[illegible] %
1	100 mV/div	[illegible] mV	[illegible] mV	[illegible] %
1	50 mV/div	[illegible] mV	[illegible] mV	[illegible] %
1	20 mV/div	[illegible] mV	[illegible] mV	[illegible] %
1	10 mV/div	[illegible] mV	[illegible] mV	[illegible] %
2	5 V/div	[illegible] V	[illegible] V	[illegible] %
2	2 V/div	[illegible] V	[illegible] V	[illegible] %
2	1 V/div	[illegible] V	[illegible] V	[illegible] %
2	500 mV/div	[illegible] V	[illegible] V	[illegible] %
2	200 mV/div	[illegible] V	[illegible] V	[illegible] %
2	100 mV/div	[illegible] mV	[illegible] mV	[illegible] %
2	50 mV/div	[illegible] mV	[illegible] mV	[illegible] %
2	20 mV/div	[illegible] mV	[illegible] mV	[illegible] %
2	10 mV/div	[illegible] mV	[illegible] mV	[illegible] %
3	5 V/div	[illegible] V	[illegible] V	[illegible] %
3	2 V/div	[illegible] V	[illegible] V	[illegible] %
3	1 V/div	[illegible] V	[illegible] V	[illegible] %
3	500 mV/div	[illegible] V	[illegible] V	[illegible] %
3	200 mV/div	[illegible] V	[illegible] V	[illegible] %
3	100 mV/div	[illegible] mV	[illegible] mV	[illegible] %
3	50 mV/div	[illegible] mV	[illegible] mV	[illegible] %
3	20 mV/div	[illegible] mV	[illegible] mV	[illegible] %
3	10 mV/div	[illegible] mV	[illegible] mV	[illegible] %
4	5 V/div	[illegible] V	[illegible] V	[illegible] %
4	2 V/div	[illegible] V	[illegible] V	[illegible] %
4	1 V/div	[illegible] V	[illegible] V	[illegible] %
4	500 mV/div	[illegible] V	[illegible] V	[illegible] %
4	200 mV/div	[illegible] V	[illegible] V	[illegible] %
4	100 mV/div	[illegible] mV	[illegible] mV	[illegible] %
4	50 mV/div	[illegible] mV	[illegible] mV	[illegible] %
4	20 mV/div	[illegible] mV	[illegible] mV	[illegible] %
4	10 mV/div	[illegible] mV	[illegible] mV	[illegible] %

校正の条件
1) 上記の結果は、MeasurementのMeanを使用して校正した値である。
2) Termination: 1 MΩ
3) Bandwidth: 20.0 MHz (HW)
4) Horizontal: 1 ms/div
5) Position: -4.0 div

周波数特性

チャンネル	周波数	表示値	参考値	校正値	換算値	校正の不確かさ
1	1 GHz	mVp-p	dB	mV	Vp-p	%
2	1 GHz	mVp-p	dB	mV	Vp-p	%
3	1 GHz	mVp-p	dB	mV	Vp-p	%
4	1 GHz	mVp-p	dB	mV	Vp-p	%

校正の条件
1) 上記の結果は、MeasurementのPk-Pkを使用して校正した値である。
2) 参考値は、50 kHzの表示値を基準とした相対値である。
3) 換算値は、校正値 (実効値) より算出したピークピーク値である。
4) Termination: 50 Ω
5) レンジ: 100 mV/div
6) Bandwidth: 3.5 GHz (DSP)
7) Horizontal: 500 ps/div
8) Position: 0.0 div

周期表示

チャンネル	レンジ	表示値	校正値	校正の不確かさ
1	500 ns/div	ns	ns	%

校正の条件　上記の結果は、MeasurementのPeriodを使用して校正した値である。

校正の条件(総合)
1) 上記の結果は、UtilitiesのInstrument CalibrationのSignal Path Compensation (SPC) を実行した後、校正した値である。
2) Acquisition Mode: Average 16

校正の不確かさ

校正の不確かさは、拡張不確かさであり、包含係数k = 2から決定され、約95 %の信頼の水準をもつと推定される区間を定める。

使用した標準器等

品名	型式	製造番号	製造者
OSCILLOSCOPE CALIBRATOR			
CALIBRATOR			

特記事項　校正品の受理後、自己校正を除き修理及び調整を行わず校正を実施した。

以 上

Results of Calibration

1. Free-Space Antenna Factor (FSAF) for CISPR 16-1-6

1.1. Antenna 1

Information of antenna under test (AUT)

Model name : [illegible]

Serial number : [illegible]

Reference standard refered in this report

CISPR 16-1-6: 2014 + A1: 2017, Standard site method by 3 antennas

Freq. [MHz]	Antenna Factor (near FSAF) [dB/m]	Corection Factor ($\Delta Fa_{,SSM}$) [dB]	Free-Space Antenna Factor (FSAF) [dB/m]
30	18.77	[illegible]	[illegible]
35	16.78	[illegible]	[illegible]
40	14.93	[illegible]	[illegible]
45	13.18	[illegible]	[illegible]
50	11.34	[illegible]	[illegible]
55	9.66	[illegible]	[illegible]
60	8.22	[illegible]	[illegible]
65	7.24	[illegible]	[illegible]
70	6.48	[illegible]	[illegible]
75	6.24	[illegible]	[illegible]
80	6.38	[illegible]	[illegible]
85	7.24	[illegible]	[illegible]
90	8.24	[illegible]	[illegible]
95	9.24	[illegible]	[illegible]
100	10.22	[illegible]	[illegible]
105	11.04	[illegible]	[illegible]
110	11.73	[illegible]	[illegible]
115	12.35	[illegible]	[illegible]
120	12.99	[illegible]	[illegible]
125	13.48	[illegible]	[illegible]
130	13.89	[illegible]	[illegible]
135	14.22	[illegible]	[illegible]
140	14.21	[illegible]	[illegible]
145	14.52	[illegible]	[illegible]
150	14.78	[illegible]	[illegible]
155	15.02	[illegible]	[illegible]
160	15.11	[illegible]	[illegible]
165	15.25	[illegible]	[illegible]
170	15.51	[illegible]	[illegible]
175	15.83	[illegible]	[illegible]
180	15.92	[illegible]	[illegible]
185	16.21	[illegible]	[illegible]
190	16.55	[illegible]	[illegible]
195	16.62	[illegible]	[illegible]
200	16.68	[illegible]	[illegible]
205	17.06	[illegible]	[illegible]
210	16.86	[illegible]	[illegible]
215	16.77	[illegible]	[illegible]
220	16.83	[illegible]	[illegible]
225	16.90	[illegible]	[illegible]
230	16.97	[illegible]	[illegible]
235	17.01	[illegible]	[illegible]
240	17.03	[illegible]	[illegible]
245	16.88	[illegible]	[illegible]
250	17.12	[illegible]	[illegible]
255	17.09	[illegible]	[illegible]
260	17.28	[illegible]	[illegible]
265	17.28	[illegible]	[illegible]
270	17.53	[illegible]	[illegible]
275	17.88	[illegible]	[illegible]
280	17.96	[illegible]	[illegible]
285	18.39	[illegible]	[illegible]
290	18.66	[illegible]	[illegible]
295	18.89	[illegible]	[illegible]
300	18.97	[illegible]	[illegible]
–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

* Corection Factor ($\Delta Fa_{,SSM}$) : CISPR16-1-6: 2014 Table C.2 50Ω Balun
* Free Space Antenna Factor (FSAF) : Antenna Factor (near FSAF) − Corection Factor ($\Delta Fa_{,SSM}$)

Results of Calibration

1. Free-Space Antenna Factor (FSAF) for CISPR 16-1-6

1.2. Antenna 2

Information of antenna under test (AUT)

Model name :

Serial number :

Reference standard refered in this report

CISPR 16-1-6: 2014 + A1: 2017, Standard site method by 3 antennas

Freq. [MHz]	Antenna Factor (near FSAF) [dB/m]	Corection Factor ($\Delta Fa_{,SSM}$) [dB]	Free-Space Antenna Factor (FSAF) [dB/m]
30			
35			
40			
45			
50			
55			
60			
65			
70			
75			
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			

Freq. [MHz]	Antenna Factor (near FSAF) [dB/m]	Corection Factor ($\Delta Fa_{,SSM}$) [dB]	Free-Space Antenna Factor (FSAF) [dB/m]
170			
175			
180			
185			
190			
195			
200			
205			
210			
215			
220			
225			
230			
235			
240			
245			
250			
255			
260			
265			
270			
275			
280			
285			
290			
295			
300			
–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

* Corection Factor ($\Delta Fa_{,SSM}$) : CISPR16-1-6: 2014 Table C.2 50Ω Balun
* Free Space Antenna Factor (FSAF) : Antenna Factor (near FSAF) − Corection Factor ($\Delta Fa_{,SSM}$)

Results of Calibration

2. Free-Space Antenna Factor (FSAF) for ANSI C63.5

Information of antenna under test (AUT)

Tx antenna : [redacted]

Rx antenna : [redacted]

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-2017, Section 5 and Annex G (Standard site method by 2 antennas)

Freq. [MHz]	Antenna Factor (near FSAF) [dB/m]	Corection Factor (⊿AF) [dB]	Free-Space Antenna Factor (FSAF) [dB/m]
30	[redacted]	[redacted]	[redacted]
35	[redacted]	[redacted]	[redacted]
40	[redacted]	[redacted]	[redacted]
45	[redacted]	[redacted]	[redacted]
50	[redacted]	[redacted]	[redacted]
55	[redacted]	[redacted]	[redacted]
60	[redacted]	[redacted]	[redacted]
65	[redacted]	[redacted]	[redacted]
70	[redacted]	[redacted]	[redacted]
75	[redacted]	[redacted]	[redacted]
80	[redacted]	[redacted]	[redacted]
85	[redacted]	[redacted]	[redacted]
90	[redacted]	[redacted]	[redacted]
95	[redacted]	[redacted]	[redacted]
100	[redacted]	[redacted]	[redacted]
105	[redacted]	[redacted]	[redacted]
110	[redacted]	[redacted]	[redacted]
115	[redacted]	[redacted]	[redacted]
120	[redacted]	[redacted]	[redacted]
125	[redacted]	[redacted]	[redacted]
130	[redacted]	[redacted]	[redacted]
135	[redacted]	[redacted]	[redacted]
140	[redacted]	[redacted]	[redacted]
145	[redacted]	[redacted]	[redacted]
150	[redacted]	[redacted]	[redacted]
155	[redacted]	[redacted]	[redacted]
160	[redacted]	[redacted]	[redacted]
165	[redacted]	[redacted]	[redacted]
170	[redacted]	[redacted]	[redacted]
175	[redacted]	[redacted]	[redacted]
180	[redacted]	[redacted]	[redacted]
185	[redacted]	[redacted]	[redacted]
190	[redacted]	[redacted]	[redacted]
195	[redacted]	[redacted]	[redacted]
200	[redacted]	[redacted]	[redacted]
205	[redacted]	–	–
210	[redacted]	–	–
215	[redacted]	–	–
220	[redacted]	–	–
225	[redacted]	–	–
230	[redacted]	–	–
235	[redacted]	–	–
240	[redacted]	–	–
245	[redacted]	–	–
250	[redacted]	–	–
255	[redacted]	–	–
260	[redacted]	–	–
265	[redacted]	–	–
270	[redacted]	–	–
275	[redacted]	–	–
280	[redacted]	–	–
285	[redacted]	–	–
290	[redacted]	–	–
295	[redacted]	–	–
300	[redacted]	–	–
–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ± [redacted] dB / 300MHz-1GHz, ± [redacted] dB

* Corection Factor (⊿AF) : ANSI C63.5-2017 Annex G Table G.1 50Ω Balun
* Free Space Antenna Factor (FSAF) : Antenna Factor (near FSAF) − Corection Factor (⊿AF)

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]

Rx antenna : [illegible]

Condition of calibration

Distance : 10m

Polarization : Horizontal

Tx antenna height : 1m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 10m
Polarization : Horizontal
Tx antenna height : 2m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-2017, ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [redacted]
Rx antenna : [redacted]

Condition of calibration

Distance : 10m
Polarization : Vertical
Tx antenna height : 1m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[redacted]	150	[redacted]	270	[redacted]
35	[redacted]	155	[redacted]	275	[redacted]
40	[redacted]	160	[redacted]	280	[redacted]
45	[redacted]	165	[redacted]	285	[redacted]
50	[redacted]	170	[redacted]	290	[redacted]
55	[redacted]	175	[redacted]	295	[redacted]
60	[redacted]	180	[redacted]	300	[redacted]
65	[redacted]	185	[redacted]	-	-
70	[redacted]	190	[redacted]	-	-
75	[redacted]	195	[redacted]	-	-
80	[redacted]	200	[redacted]	-	-
85	[redacted]	205	[redacted]	-	-
90	[redacted]	210	[redacted]	-	-
95	[redacted]	215	[redacted]	-	-
100	[redacted]	220	[redacted]	-	-
105	[redacted]	225	[redacted]	-	-
110	[redacted]	230	[redacted]	-	-
115	[redacted]	235	[redacted]	-	-
120	[redacted]	240	[redacted]	-	-
125	[redacted]	245	[redacted]	-	-
130	[redacted]	250	[redacted]	-	-
135	[redacted]	255	[redacted]	-	-
140	[redacted]	260	[redacted]	-	-
145	[redacted]	265	[redacted]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [redacted] dB / 300MHz-1GHz, ± [redacted] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 10m
Polarization : Vertical
Tx antenna height : 1.5m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 3m
Polarization : Horizontal
Tx antenna height : 1m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]

Rx antenna : [illegible]

Condition of calibration

Distance : 3m

Polarization : Horizontal

Tx antenna height : 2m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 3m
Polarization : Vertical
Tx antenna height : 1m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 3m
Polarization : Vertical
Tx antenna height : 1.5m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
30	[illegible]	150	[illegible]	270	[illegible]
35	[illegible]	155	[illegible]	275	[illegible]
40	[illegible]	160	[illegible]	280	[illegible]
45	[illegible]	165	[illegible]	285	[illegible]
50	[illegible]	170	[illegible]	290	[illegible]
55	[illegible]	175	[illegible]	295	[illegible]
60	[illegible]	180	[illegible]	300	[illegible]
65	[illegible]	185	[illegible]	-	-
70	[illegible]	190	[illegible]	-	-
75	[illegible]	195	[illegible]	-	-
80	[illegible]	200	[illegible]	-	-
85	[illegible]	205	[illegible]	-	-
90	[illegible]	210	[illegible]	-	-
95	[illegible]	215	[illegible]	-	-
100	[illegible]	220	[illegible]	-	-
105	[illegible]	225	[illegible]	-	-
110	[illegible]	230	[illegible]	-	-
115	[illegible]	235	[illegible]	-	-
120	[illegible]	240	[illegible]	-	-
125	[illegible]	245	[illegible]	-	-
130	[illegible]	250	[illegible]	-	-
135	[illegible]	255	[illegible]	-	-
140	[illegible]	260	[illegible]	-	-
145	[illegible]	265	[illegible]	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

1. Free-Space Antenna Factor (FSAF) for CISPR 16-1-6

1.1. Antenna 1

Information of antenna under test (AUT)

Model name : [illegible]

Serial number : [illegible]

Reference standard refered in this report

CISPR 16-1-6: 2014 + A1: 2017, Standard site method by 3 antennas

Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]	Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]
200	[illegible]	900	[illegible]
225	[illegible]	925	[illegible]
250	[illegible]	950	[illegible]
275	[illegible]	975	[illegible]
300	[illegible]	1000	[illegible]
325	[illegible]	–	–
350	[illegible]	–	–
375	[illegible]	–	–
400	[illegible]	–	–
425	[illegible]	–	–
450	[illegible]	–	–
475	[illegible]	–	–
500	[illegible]	–	–
525	[illegible]	–	–
550	[illegible]	–	–
575	[illegible]	–	–
600	[illegible]	–	–
625	[illegible]	–	–
650	[illegible]	–	–
675	[illegible]	–	–
700	[illegible]	–	–
725	[illegible]	–	–
750	[illegible]	–	–
775	[illegible]	–	–
800	[illegible]	–	–
825	[illegible]	–	–
850	[illegible]	–	–
875	[illegible]	–	–

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

1. Free-Space Antenna Factor (FSAF) for CISPR 16-1-6

1.2. Antenna 2

Information of antenna under test (AUT)

Model name :

Serial number :

Reference standard refered in this report

CISPR 16-1-6: 2014 + A1: 2017, Standard site method by 3 antennas

Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]	Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]
200		900	
225		925	
250		950	
275		975	
300		1000	
325		–	–
350		–	–
375		–	–
400		–	–
425		–	–
450		–	–
475		–	–
500		–	–
525		–	–
550		–	–
575		–	–
600		–	–
625		–	–
650		–	–
675		–	–
700		–	–
725		–	–
750		–	–
775		–	–
800		–	–
825		–	–
850		–	–
875		–	–

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

Results of Calibration

2. Free-Space Antenna Factor (FSAF) for ANSI C63.5

Information of antenna under test (AUT)

Tx antenna :

Rx antenna :

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-2017, Section 5 and Annex G (Standard site method by 2 antennas)

Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]	Freq. [MHz]	Free-Space Antenna Factor (FSAF) [dB/m]
200		900	
225		925	
250		950	
275		975	
300		1000	
325		–	–
350		–	–
375		–	–
400		–	–
425		–	–
450		–	–
475		–	–
500		–	–
525		–	–
550		–	–
575		–	–
600		–	–
625		–	–
650		–	–
675		–	–
700		–	–
725		–	–
750		–	–
775		–	–
800		–	–
825		–	–
850		–	–
875		–	–

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 10m
Polarization : Horizontal
Tx antenna height : 1m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[illegible]	800	[illegible]	-	-
225	[illegible]	825	[illegible]	-	-
250	[illegible]	850	[illegible]	-	-
275	[illegible]	875	[illegible]	-	-
300	[illegible]	900	[illegible]	-	-
325	[illegible]	925	[illegible]	-	-
350	[illegible]	950	[illegible]	-	-
375	[illegible]	975	[illegible]	-	-
400	[illegible]	1000	[illegible]	-	-
425	[illegible]	-	-	-	-
450	[illegible]	-	-	-	-
475	[illegible]	-	-	-	-
500	[illegible]	-	-	-	-
525	[illegible]	-	-	-	-
550	[illegible]	-	-	-	-
575	[illegible]	-	-	-	-
600	[illegible]	-	-	-	-
625	[illegible]	-	-	-	-
650	[illegible]	-	-	-	-
675	[illegible]	-	-	-	-
700	[illegible]	-	-	-	-
725	[illegible]	-	-	-	-
750	[illegible]	-	-	-	-
775	[illegible]	-	-	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 10m
Polarization : Horizontal
Tx antenna height : 2m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-2017, ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[illegible]	800	[illegible]	-	-
225	[illegible]	825	[illegible]	-	-
250	[illegible]	850	[illegible]	-	-
275	[illegible]	875	[illegible]	-	-
300	[illegible]	900	[illegible]	-	-
325	[illegible]	925	[illegible]	-	-
350	[illegible]	950	[illegible]	-	-
375	[illegible]	975	[illegible]	-	-
400	[illegible]	1000	[illegible]	-	-
425	[illegible]	-	-	-	-
450	[illegible]	-	-	-	-
475	[illegible]	-	-	-	-
500	[illegible]	-	-	-	-
525	[illegible]	-	-	-	-
550	[illegible]	-	-	-	-
575	[illegible]	-	-	-	-
600	[illegible]	-	-	-	-
625	[illegible]	-	-	-	-
650	[illegible]	-	-	-	-
675	[illegible]	-	-	-	-
700	[illegible]	-	-	-	-
725	[illegible]	-	-	-	-
750	[illegible]	-	-	-	-
775	[illegible]	-	-	-	-

Expanded uncertainties : 30MHz-300MHz, ± [illegible] dB / 300MHz-1GHz, ± [illegible] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]

Rx antenna : [illegible]

Condition of calibration

Distance : 10m

Polarization : Vertical

Tx antenna height : 1m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[illegible]	800	[illegible]	-	-
225	[illegible]	825	[illegible]	-	-
250	[illegible]	850	[illegible]	-	-
275	[illegible]	875	[illegible]	-	-
300	[illegible]	900	[illegible]	-	-
325	[illegible]	925	[illegible]	-	-
350	[illegible]	950	[illegible]	-	-
375	[illegible]	975	[illegible]	-	-
400	[illegible]	1000	[illegible]	-	-
425	[illegible]	-	-	-	-
450	[illegible]	-	-	-	-
475	[illegible]	-	-	-	-
500	[illegible]	-	-	-	-
525	[illegible]	-	-	-	-
550	[illegible]	-	-	-	-
575	[illegible]	-	-	-	-
600	[illegible]	-	-	-	-
625	[illegible]	-	-	-	-
650	[illegible]	-	-	-	-
675	[illegible]	-	-	-	-
700	[illegible]	-	-	-	-
725	[illegible]	-	-	-	-
750	[illegible]	-	-	-	-
775	[illegible]	-	-	-	-

Expanded uncertainties : 30MHz-300MHz, ±1.4dB / 300MHz-1GHz, ±1.5dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [redacted]
Rx antenna : [redacted]

Condition of calibration

Distance : 10m
Polarization : Vertical
Tx antenna height : 1.5m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[redacted]	800	[redacted]	-	-
225	[redacted]	825	[redacted]	-	-
250	[redacted]	850	[redacted]	-	-
275	[redacted]	875	[redacted]	-	-
300	[redacted]	900	[redacted]	-	-
325	[redacted]	925	[redacted]	-	-
350	[redacted]	950	[redacted]	-	-
375	[redacted]	975	[redacted]	-	-
400	[redacted]	1000	[redacted]	-	-
425	[redacted]	-	-	-	-
450	[redacted]	-	-	-	-
475	[redacted]	-	-	-	-
500	[redacted]	-	-	-	-
525	[redacted]	-	-	-	-
550	[redacted]	-	-	-	-
575	[redacted]	-	-	-	-
600	[redacted]	-	-	-	-
625	[redacted]	-	-	-	-
650	[redacted]	-	-	-	-
675	[redacted]	-	-	-	-
700	[redacted]	-	-	-	-
725	[redacted]	-	-	-	-
750	[redacted]	-	-	-	-
775	[redacted]	-	-	-	-

Expanded uncertainties : 30MHz-300MHz, ± [redacted] dB / 300MHz-1GHz, ± [redacted] dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]
Rx antenna : [illegible]

Condition of calibration

Distance : 3m
Polarization : Horizontal
Tx antenna height : 1m
Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[illegible]	800	[illegible]	–	–
225	[illegible]	825	[illegible]	–	–
250	[illegible]	850	[illegible]	–	–
275	[illegible]	875	[illegible]	–	–
300	[illegible]	900	[illegible]	–	–
325	[illegible]	925	[illegible]	–	–
350	[illegible]	950	[illegible]	–	–
375	[illegible]	975	[illegible]	–	–
400	[illegible]	1000	[illegible]	–	–
425	[illegible]	–	–	–	–
450	[illegible]	–	–	–	–
475	[illegible]	–	–	–	–
500	[illegible]	–	–	–	–
525	[illegible]	–	–	–	–
550	[illegible]	–	–	–	–
575	[illegible]	–	–	–	–
600	[illegible]	–	–	–	–
625	[illegible]	–	–	–	–
650	[illegible]	–	–	–	–
675	[illegible]	–	–	–	–
700	[illegible]	–	–	–	–
725	[illegible]	–	–	–	–
750	[illegible]	–	–	–	–
775	[illegible]	–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ±1.3dB / 300MHz-1GHz, ±1.1dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna :

Rx antenna :

Condition of calibration

Distance : 3m

Polarization : Horizontal

Tx antenna height : 2m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200		800		–	–
225		825		–	–
250		850		–	–
275		875		–	–
300		900		–	–
325		925		–	–
350		950		–	–
375		975		–	–
400		1000		–	–
425		–	–	–	–
450		–	–	–	–
475		–	–	–	–
500		–	–	–	–
525		–	–	–	–
550		–	–	–	–
575		–	–	–	–
600		–	–	–	–
625		–	–	–	–
650		–	–	–	–
675		–	–	–	–
700		–	–	–	–
725		–	–	–	–
750		–	–	–	–
775		–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna : [illegible]

Rx antenna : [illegible]

Condition of calibration

Distance : 3m

Polarization : Vertical

Tx antenna height : 1m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200	[illegible]	800	[illegible]	–	–
225	[illegible]	825	[illegible]	–	–
250	[illegible]	850	[illegible]	–	–
275	[illegible]	875	[illegible]	–	–
300	[illegible]	900	[illegible]	–	–
325	[illegible]	925	[illegible]	–	–
350	[illegible]	950	[illegible]	–	–
375	[illegible]	975	[illegible]	–	–
400	[illegible]	1000	[illegible]	–	–
425	[illegible]	–	–	–	–
450	[illegible]	–	–	–	–
475	[illegible]	–	–	–	–
500	[illegible]	–	–	–	–
525	[illegible]	–	–	–	–
550	[illegible]	–	–	–	–
575	[illegible]	–	–	–	–
600	[illegible]	–	–	–	–
625	[illegible]	–	–	–	–
650	[illegible]	–	–	–	–
675	[illegible]	–	–	–	–
700	[illegible]	–	–	–	–
725	[illegible]	–	–	–	–
750	[illegible]	–	–	–	–
775	[illegible]	–	–	–	–

Expanded uncertainties : 30MHz-300MHz, ± [illegible]dB / 300MHz-1GHz, ± [illegible]dB

Results of Calibration

3. Antenna Factor for each geometry

Information of antenna under test (AUT)

Tx antenna :

Rx antenna :

Condition of calibration

Distance : 3m

Polarization : Vertical

Tx antenna height : 1.5m

Rx antenna height : 1m to 4m scanning

In this calibration, a pair of antennas of the same type is used, and the antenna factors of the two antennas will be the same.

Reference standard refered in this report

ANSI C63.5-1988, Standard site method by 2 antennas

Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]	Frequency [MHz]	Antenna Factor [dB/m]
200		800		-	-
225		825		-	-
250		850		-	-
275		875		-	-
300		900		-	-
325		925		-	-
350		950		-	-
375		975		-	-
400		1000		-	-
425		-	-	-	-
450		-	-	-	-
475		-	-	-	-
500		-	-	-	-
525		-	-	-	-
550		-	-	-	-
575		-	-	-	-
600		-	-	-	-
625		-	-	-	-
650		-	-	-	-
675		-	-	-	-
700		-	-	-	-
725		-	-	-	-
750		-	-	-	-
775		-	-	-	-

Expanded uncertainties : 30MHz-300MHz, ± dB / 300MHz-1GHz, ± dB

Results of Calibration

4. GSCF

Information of antenna under test (AUT)

Tx antenna :

Rx antenna :

Condition of calibration

Distance : 10m

Reference standard refered in this report

ANSI C63.5-2017, Annex I

Frequency [MHz]	GSCF [dB] Horizontal h=1m	Horizontal h=2m	Vertical h=1m	Vertical h=1.5m
200				
225				
250				
275				
300				
325				
350				
375				
400				
425				
450				
475				
500				
525				
550				
575				
600				
625				
650				
675				
700				
725				
750				
775				
800				
825				
850				
875				
900				
925				
950				
975				
1000				
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–

Results of Calibration

4. GSCF

Information of antenna under test (AUT)

Tx antenna :

Rx antenna :

Condition of calibration

Distance : 3m

Reference standard refered in this report

ANSI C63.5-2017, Annex I

Frequency [MHz]	GSCF [dB] Horizontal h=1m	Horizontal h=2m	Vertical h=1m	Vertical h=1.5m
200				
225				
250				
275				
300				
325				
350				
375				
400				
425				
450				
475				
500				
525				
550				
575				
600				
625				
650				
675				
700				
725				
750				
775				
800				
825				
850				
875				
900				
925				
950				
975				
1000				
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–