FCC TEST REPORT

Reference No. : **GPWL2006001145EG**

Applicant : **Samsung Electronics Co., Ltd**

Equipment Under Test (EUT) :

Product Name : Portable Tablet

Model Name : SM-T875

FCC Authorization Type : Certificate of Conformity

Applied Standards : **FCC Part 15 Subpart B, Class B**

ANSI C 63.4:2014

FCC ID : **A3LSMT875**

Date of Receipt : **June 12, 2020**

Date of Test : **June 15, 2020 ~ July 15, 2020**

Date of Issue : **July 23, 2020**

Test Results : **Complied**

Tested by :

Jaehyeok Lee

Reviewed by :

Paul Kang

This test report does not assure KOLAS accreditation.

1) The results of this test report are effective only to the items tested.

2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.

Remarks :

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The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full

Contents

Revision History

Revision	Report Number	Description
0	F690501-RF-EMG000257	Initial
1	F690501-RF-EMG000257-1	Change the System Configurations
2	F690501-RF-EMG000257-2	- Add Test Results - Change Product Name
3	F690501-RF-EMG000257-3	- Change description to 2.4 Radiated Emissions on page 21.
3	F690501-RF-EMG000257-4	- Correct Standard Version of ANSI C 63.4.

1. General Information

1.1 Client Information

Applicant : Samsung Electronics Co., Ltd.
- Address of Applicant : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea.

1.2 Test Laboratory

Name and Address : SGS Korea Co., Ltd.
- Giheung 1 Laboratory : 35, Giheungdanji-ro 121beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea
- Giheung 2 Laboratory : 23, Giheungdanji-ro 24beon-gil, Giheung-gu,Yongin-si, Gyeonggi-do, Republic of Korea
- Gunpo Laboratory : 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, 15807, Republic of Korea.

FCC Registration No. : KR0150

Phone : + 82 31 428 5700
Fax : + 82 31 427 2370
e-mail : paul.kang@sgs.com

1.3 General Information of E.U.T.

Classification	Description
Product Name	Portable Tablet
Model Name	SM-T875
Internal Max Clock Frequency	5.8 ㎓
Serial No.	-
Classification	Class B
Test Voltage	120 V~, 60 ㎐
Rated Power	Normal : 3.86 Vd.c.(Min. : 3.4 Vd,c, , Max. : 4.43 Vd.c.)
Operating Temperature	(-) 20 ℃ ~ (+) 60 ℃
Device Capabilities	- GSM850/1900, WCDMA B2/4/5, LTE FDD B2/4/5/12/13/25/26/41/66, WLAN (802.11a/b/g/n/ac/ax, 2X2 MIMO), BT 5.0 - The device contains receivers which tune and operate between 30 ㎒ – 960 ㎒ in the following Bands. (GSM 850, WCDMA Band 5, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 26)
H/W Version	REV1.0
S/W Version	T875.001

1.4 Operating Modes and Conditions

[Conducted Emission Test]

Operating Mode
1) Audio + Video playback from internal memory data+Charging(w/TA) + S-Pen + POGO Keyboard
2) Camera Front + Charging(w/TA) + S-Pen + POGO Keyboard
3) Camera Rear + Charging(w/TA) + LTE BAND 26 + S-Pen + POGO Keyboard
4) USB Data Communication(2.0) with PC(from external memory data) + S-Pen + POGO Keyboard
5) USB Data Communication(3.1) with PC(from external memory data) + S-Pen + POGO Keyboard

Note. S-Pen wireless charging was performed in all modes.

[Radiated Emission Test]

Operating Mode
1) Audio + Video playback from internal memory data + S-Pen + POGO Keyboard
2) Audio + Video playback from internal memory data + Display Port + S-Pen + POGO Keyboard
3) Camera Front + S-Pen + POGO Keyboard
4) Camera Rear + Charging(w/TA) + S-Pen + POGO Keyboard
5) USB Data Communication(2.0) with PC(from external memory data) + S-Pen + POGO Keyboard
6) USB Data Communication(3.1) with PC(from external memory data) + S-Pen + POGO Keyboard

Note. S-Pen wireless charging was performed in all modes.

[Radiated Emission Test_Licensed Band Rx Mode]

Operating Mode
1) GSM 850(Low Channel/Mid Channel/High Channel)
2) WCDMA B5(Low Channel/Mid Channel/High Channel)
3) LTE B5(Low Channel/Mid Channel/High Channel)
4) LTE B12(Low Channel/Mid Channel/High Channel)
5) LTE B13(Low Channel/Mid Channel/High Channel)
6) LTE B26(Low Channel/Mid Channel/High Channel)

Note. S-Pen wireless charging was performed in all modes.

1.5 Auxiliary Equipments

Description	Model	Serial No.	Manufacturer	FCC ID
Micro SD Card	EVO Pplus 64GB	-	Samsung Electronics Co., Ltd	-
LED Monitor	-	-	Samsung Electronics Co., Ltd	DOC
Monitor Adapter	-	-	Samsung Electronics Co., Ltd	DOC
Data(3.1) Cable	USB-C to USB-A Cable	-	belkin	-
LAN Cable	-	-	-	-
DP Cable	-	-	Startech	-
Laptop Adapter	CPA00-004A	-	Chicony Power Technology Co., Ltd	DOC
Laptop	NT740U5L	0MMN91GH 900176P	Samsung Electronics Co., Ltd	DOC
Router	A2004R	-	ipTime	DOC
Router Adapter	KT10W120100KOD	-	KUANTEN	DOC
Mouse	-	-		DOC
Wideband Radio Communication Tester	CMW500	144032	ROHDE & SCHWARZ	-

1.6 Cable List

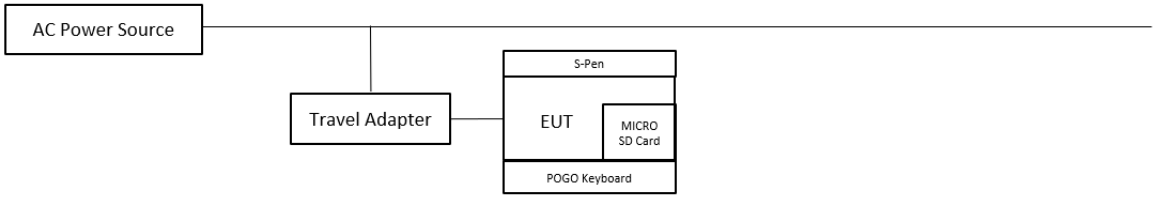
Start		END		Cable Spec.		Used core
Name	I/O Port	Name	I/O Port	Length	Shield	
< Mode 1,2 of CE Test, Mode 4 of RE Test >						
AC Power Source	AC OUT	Travel Adapter	AC IN	-	-	-
EUT	C-Type Port IN	Travel Adapter	C-Type Port OUT	1.0	Shield	No.
	SD Card IN	Micro SD Card	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	-	S-Pen	-	-	-	-
< Mode 3 of CE Test, Radiated Emission Test_ Licensed Band Rx Mode >						
AC Power Source	AC OUT	Travel Adapter	AC IN	-	-	-
EUT	C-Type Port IN	Travel Adapter	C-Type Port OUT	1.0	Shield	No.
	SD Card IN	Micro SD Card	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	-	S-Pen	-	-	-	-
	-	Wideband Radio Communication Tester	-	-	-	-
Wideband Radio Communication Tester	AC IN	AC Power Source	AC OUT	-	-	-
< Mode 4,5 of CE Test, Mode 5,6 of RE Test>						
AC Power Source	AC OUT	Router Adapter	AC IN	-	-	-
		Laptop Adapter		-	-	-
Router Adapter	DC OUT	Router	DC IN	-	-	-
Laptop Adapter		Laptop		-	-	1 EA
Laptop	LAN Cable IN	Router	LAN Cable OUT	-	-	-
	-	Mouse	-	-	-	-
EUT	C-Type Port IN	Laptop	USB Port OUT	1.0	Shield	No.
	SD Card IN	Micro SD Card	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	-	S-Pen	-	-	-	-
< Mode 1,3 of RE Test >-						
EUT	C-Type Port OUT	Ear-Mic-Phone	C-Type Port IN	1.3	Unshield	No.
	SD Card IN	Micro SD Card	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	-	S-Pen	-	-	-	-
< Mode 2 of RE Test >						
AC Power Source	AC OUT	Monitor Adapter	AC IN	-	-	-
Monitor Adapter	DC OUT	LED Monitor	DC IN	1.6	Unshield	No.
EUT	DP Cable OUT	LED Monitor	DP Cable IN	0.3	Shield	No.
	SD Card IN	Micro SD Card	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	-	S-Pen	-	-	-	-

1.7 System Configurations

Description	Model	Serial No.	Manufacturer
Travel Adaptor	EP-TA200	-	DONGYANG, RFTECH, SOLUM, HAEM, LELNTEC
Battery	EB-BT875ABY N	-	ATL
Ear-Mic-phone	GHSS028-K7	-	GLONIC
USB(2.0)Cable	EP-DT725BBE	-	RFTECH, KSD
S-Pen	EJ-PT870	-	WACOM
POGO Keyboard	EF-D870	-	SAMSUNG Electronics Vietnam
Portable Tablet	SM-T875	-	Samsung Electronics Vietnam Thai Nguyen Co., Ltd.

1.8 Test System Layout

< Mode 1,2 of CE Test, Mode 4 of RE Test >



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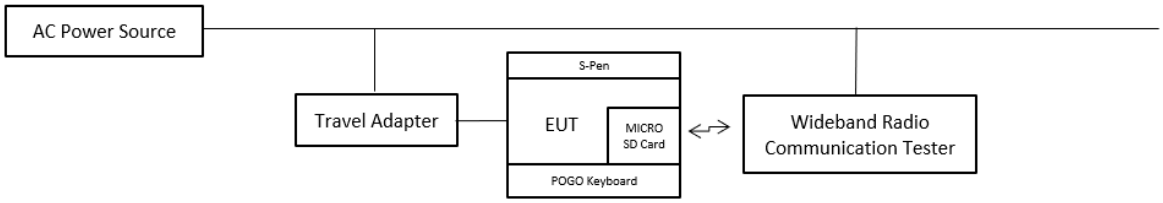

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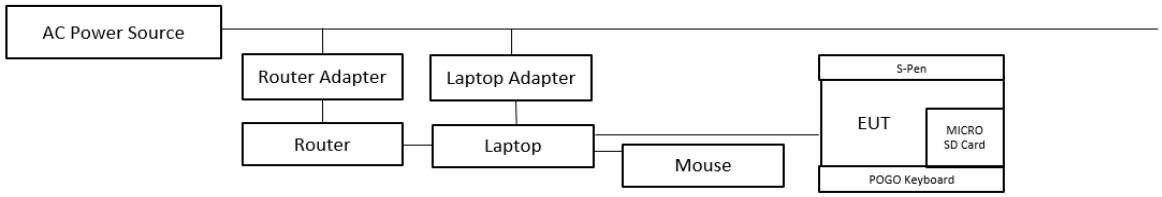

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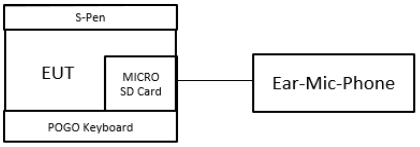

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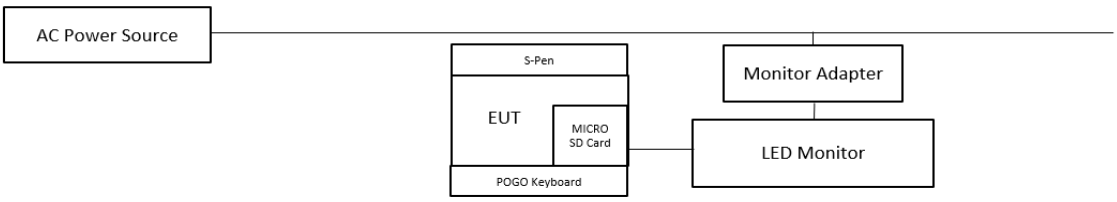

1.9 Modifications
There was no modified item during the test.

1.10 Applicable Standards for Testing

Standards	Status	Deviation
FCC Part 15 Subpart B	Applicable	No Deviation

1.11 Summary of Test Results

Test Item	Standards	Results
Conducted Emission	FCC Part 15 Subpart B Section 15.107, ANSI C 63.4:2014	Complied
Radiated Emission	FCC Part 15 Subpart B Section 15.109, ANSI C 63.4:2014	Complied

Note : Test methods of all test items are performed according to the basic standards in this table.

EMISSION

2.1 Test Results

Test Items	Basic Standards	Test Results
Conducted Emission	FCC Part 15 Subpart B Section 15.107, ANSI C 63.4:2014	**Complied**
Radiated Emission	FCC Part 15 Subpart B Section 15.109, ANSI C 63.4:2014	**Complied**

2.2 Test Method and Limits

2.2.1 Test Method

Test Items	Measuring Frequency Range	RBW	Measuring Distance
Conducted Emission	0.15 ㎒ ~ 30 ㎒	9 ㎑	-
Radiated Emission	30 ㎒ ~ 1 ㎓	120 ㎑	10 m&3 m
	Above 1 ㎓	1 ㎒	3 m

Note : 10 m method of radiated emission measurement is only applied to Class A equipment over the frequency range of 30 ㎒ ~ 1 ㎓. Except this, 3 m method is applied to Class B equipment over the frequency range of 30 ㎒ ~ 1 ㎓ and Class A and Class B equipment above 1 ㎓.

2.2.2 Test Limits

-Conducted Emission Limits at Mains Port

Frequency Range	Limits(dB(㎶))		Class
	Quasi-peak	Average	
0.15 ㎒ ~ 0.5 ㎒	79	66	**Class A**
0.5 ㎒ ~ 30 ㎒	73	60	
0.15 ㎒ ~ 0.5 ㎒	66 to 56	56 to 46	**Class B**
0.5 ㎒ ~ 5 ㎒	56	46	
5 ㎒ ~ 30 ㎒	60	50	

Note : The lower limit shall apply at the transition frequencies. The limit decreases linearly with the logarithm of the frequency in the range 0.15 ㎒ to 0.5 ㎒.

-Radiated Emission Limits below 1 ㎓

Frequency Range	Limits(dB(㎶/m))	Class
	Quasi-peak	
30 ㎒ ~ 88 ㎒	39.1	**Class A (10m method)**
88 ㎒ ~ 216 ㎒	43.5	
216 ㎒ ~ 960 ㎒	46.4	
960 ㎒ ~ 1 ㎓	49.5	
30 ㎒ ~ 88 ㎒	40.0	**Class B (3m method)**
88 ㎒ ~ 216 ㎒	43.5	
216 ㎒ ~ 960 ㎒	46.0	
960 ㎒ ~ 1 ㎓	54.0	

-Radiated Emission Limits above 1 ㎓ (3m method)

Frequency Range	Limits(dB(㎶/m))		Class
	Average	Peak	
Above 1 ㎓	59.5	79.5	**Class A**
Above 1 ㎓	54.0	74.0	**Class B**

Note : The limits of class A equipment is extrapolated using an extrapolation factor of 20 dB/decade because it was measured at 3 m distance not 10 m distance.

2.3 Conducted Emission

The initial preliminary exploratory scans were performed over the measuring frequency range(0.15 ㎒ to 30 ㎒) using a max hold mode incorporating a Peak detector and Average detector and using the software of EMC32(Version V8.52.0 from R&S). The final test data was measured using a Quasi-Peak detector and C-Average detector.

2.3.1 Test Equipments

Description	Model No.	Manufacturer	S/N	Cal Due. Date
Two-Line V-Network	ENV216	R & S	100190	2021.05.08
Test Receiver	ESCI 7	R & S	100911	2021.02.19
Wideband Radio Communication Tester	CMW500	R & S	144032	2021.05.06
RF Cable	CA-03	-	-	-
Shield Room	-	SY CORPORATION	-	-

Note : The calibration period of every equipment is 1 year.

2.3.2 Test Site

Shield Room in Gunpo Laboratory

2.3.3 Environment Conditions and data

- Conducted Emission at AC Mains Port

Temperature (Minimum 24.2, Maximum 25.4) ℃,
Humidity (Minimum 34.0, Maximum 40.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.2) ㎪

Test Date : June 23, 2020 ~ June 26, 2020

1) Test Mode : Audio+Video playback from internal memory data+Charging(w/TA)+S-Pen+POGO Keyboard

Freq. (㎒)	LISN (dB)	CL (dB)	Line (P/N)	Q/P				C-A/V			
				Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)	Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)
0.23	9.73	0.02	H	62.31	32.95	42.70	19.61	52.31	19.35	29.10	23.21
0.25	9.80	0.02	N	61.63	29.28	39.10	22.53	51.63	15.08	24.90	26.73
0.43	9.80	0.03	N	57.33	27.67	37.50	19.83	47.33	16.47	26.30	21.03
0.62	9.78	0.04	H	56.00	31.38	41.20	14.80	46.00	27.08	36.90	9.10
0.69	9.80	0.03	N	56.00	29.57	39.40	16.60	46.00	20.07	29.90	16.10
4.23	9.82	0.10	H	56.00	37.18	47.10	8.90	46.00	25.68	35.60	10.40
4.32	9.83	0.10	H	56.00	37.47	47.40	8.60	46.00	26.27	36.20	9.80
4.37	9.90	0.10	N	56.00	33.30	43.30	12.70	46.00	22.50	32.50	13.50
8.62	9.95	0.15	H	60.00	29.80	39.90	20.10	50.00	15.90	26.00	24.00
8.98	10.13	0.15	N	60.00	30.22	40.50	19.50	50.00	21.82	32.10	17.90
13.10	10.12	0.18	H	60.00	35.30	45.60	14.40	50.00	21.90	32.20	17.80
13.36	10.33	0.18	N	60.00	34.39	44.90	15.10	50.00	27.19	37.70	12.30

Measurement Uncertainty : 3.38 dB (The confidential level is about 95%, *k*=2)

Note : • Line (H) : Hot • Line (N) : Neutral
• CL: Cable Loss • LISN : LISN Factor
• Result = Level + CL + LISN • Margin = Limit – Result

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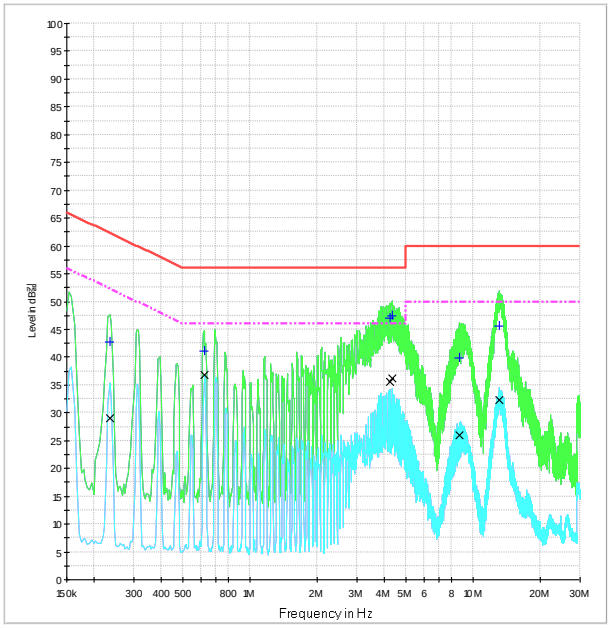
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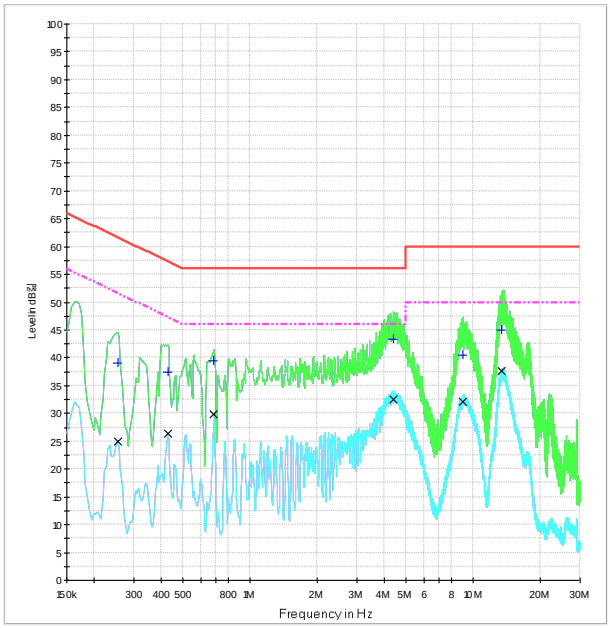
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30M

2) Test Mode : Camera Front+Charging(w/TA)+S-Pen+POGO Keyboard

Freq. (㎒)	LISN (dB)	CL (dB)	Line (P/N)	Q/P				C-A/V			
				Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)	Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)
0.16	9.80	0.01	N	65.57	41.89	51.70	13.87	55.57	28.29	38.10	17.47
0.23	9.80	0.02	N	62.31	37.68	47.50	14.81	52.31	24.48	34.30	18.01
0.31	9.80	0.02	N	59.86	35.18	45.00	14.86	49.86	21.88	31.70	18.16
0.62	9.78	0.04	H	56.00	31.18	41.00	15.00	46.00	27.28	37.10	8.90
0.70	9.70	0.03	H	56.00	31.37	41.10	14.90	46.00	26.97	36.70	9.30
3.85	9.80	0.10	H	56.00	37.00	46.90	9.10	46.00	21.10	31.00	15.00
4.31	9.83	0.10	H	56.00	37.67	47.60	8.40	46.00	23.57	33.50	12.50
4.33	9.90	0.10	N	56.00	31.90	41.90	14.10	46.00	16.80	26.80	19.20
8.95	9.96	0.15	H	60.00	31.99	42.10	17.90	50.00	18.09	28.20	21.80
8.96	10.13	0.15	N	60.00	28.22	38.50	21.50	50.00	14.22	24.50	25.50
13.01	10.12	0.18	H	60.00	36.30	46.60	13.40	50.00	20.90	31.20	18.80
13.28	10.33	0.18	N	60.00	32.99	43.50	16.50	50.00	20.59	31.10	18.90

Measurement Uncertainty : 3.38 ㏈ (The confidential level is about 95%, *k*=2)

Note : • Line (H) : Hot • Line (N) : Neutral
• CL: Cable Loss • LISN : LISN Factor
• Result = Level + CL + LISN • Margin = Limit – Result

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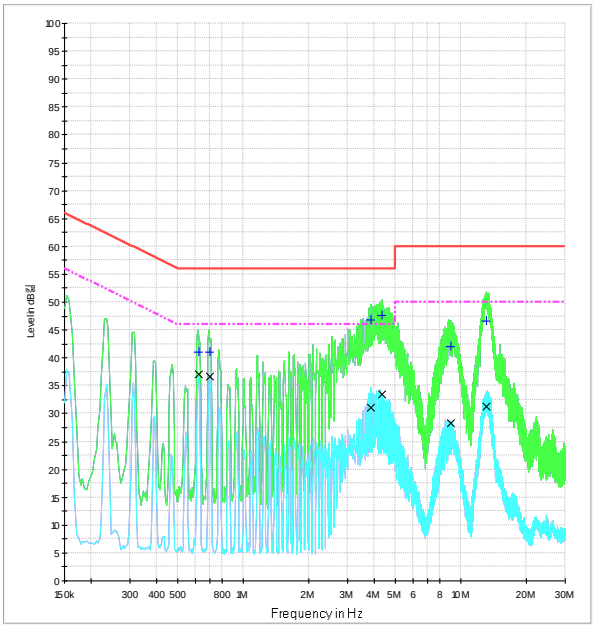
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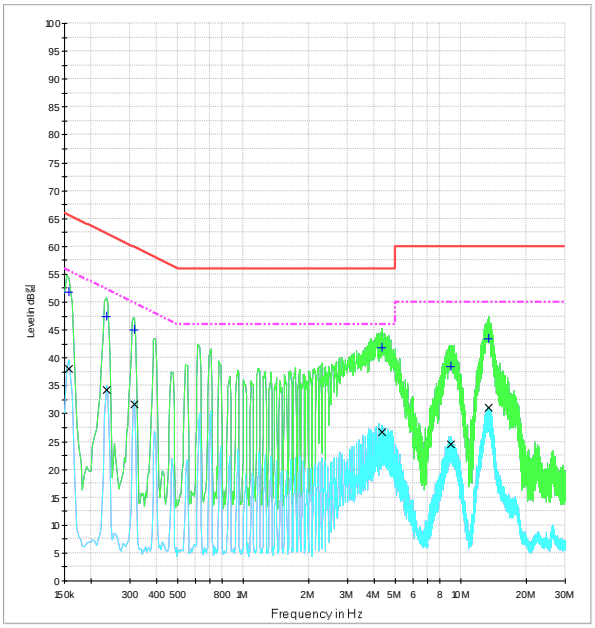
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20M
30M

3) Test Mode : Camera Rear+Charging(w/TA)+LTE BAND 26+S-Pen+POGO Keyboard

Freq.	LISN	CL	Line	Q/P				C-A/V			
				Limit	Level	Result	Margin	Limit	Level	Result	Margin
(MHz)	(dB)	(dB)	(P/N)	(dBμV)	(dBμV)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dBμV)	(dB)
0.62	9.78	0.04	H	56.00	35.58	45.40	10.60	46.00	29.48	39.30	6.70
0.62	9.80	0.04	N	56.00	32.06	41.90	14.10	46.00	23.86	33.70	12.30
0.69	9.71	0.03	H	56.00	36.86	46.60	9.40	46.00	29.06	38.80	7.20
0.70	9.80	0.03	N	56.00	32.07	41.90	14.10	46.00	23.97	33.80	12.20
3.85	9.80	0.10	H	56.00	39.90	49.80	6.20	46.00	21.90	31.80	14.20
4.07	9.90	0.10	N	56.00	35.70	45.70	10.30	46.00	20.30	30.30	15.70
4.31	9.83	0.10	H	56.00	40.37	50.30	5.70	46.00	25.97	35.90	10.10
4.63	9.90	0.11	N	56.00	34.49	44.50	11.50	46.00	18.29	28.30	17.70
8.88	10.13	0.15	N	60.00	30.42	40.70	19.30	50.00	14.92	25.20	24.80
8.92	9.96	0.15	H	60.00	35.69	45.80	14.20	50.00	20.79	30.90	19.10
13.02	10.32	0.18	N	60.00	34.70	45.20	14.80	50.00	21.50	32.00	18.00
13.11	10.12	0.18	H	60.00	38.70	49.00	11.00	50.00	23.60	33.90	16.10

Measurement Uncertainty : 3.38 dB (The confidential level is about 95%, *k*=2)

Note : • Line (H) : Hot • Line (N) : Neutral
• CL: Cable Loss • LISN : LISN Factor
• Result = Level + CL + LISN • Margin = Limit – Result

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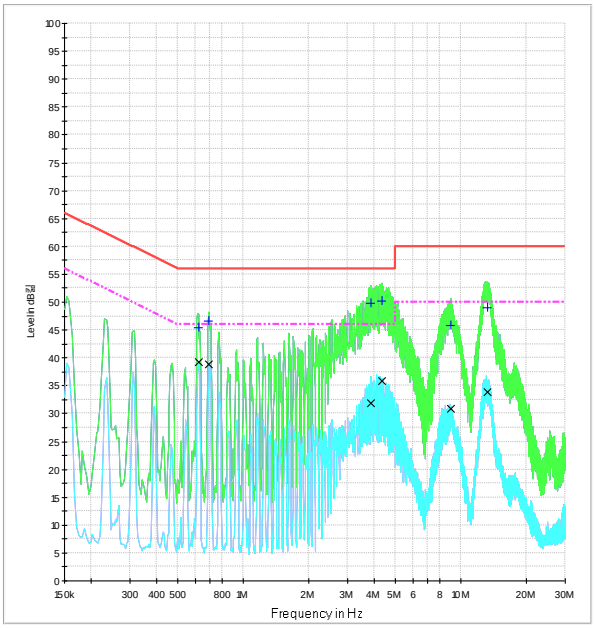
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30M

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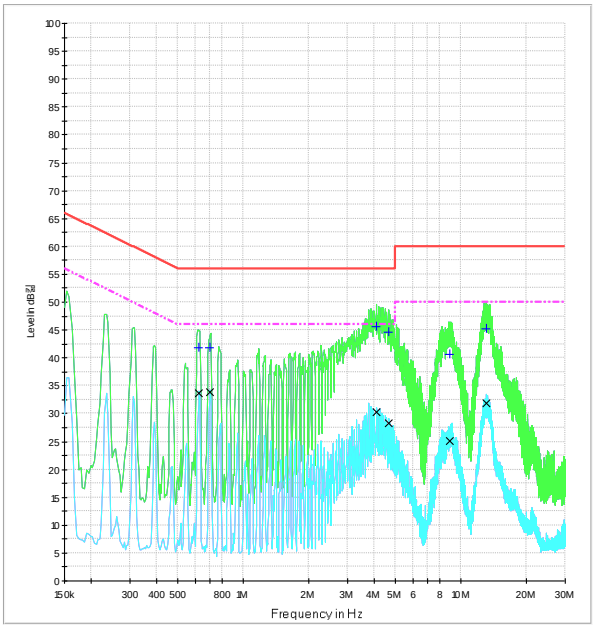

Level in dBµl
Frequency in Hz
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M

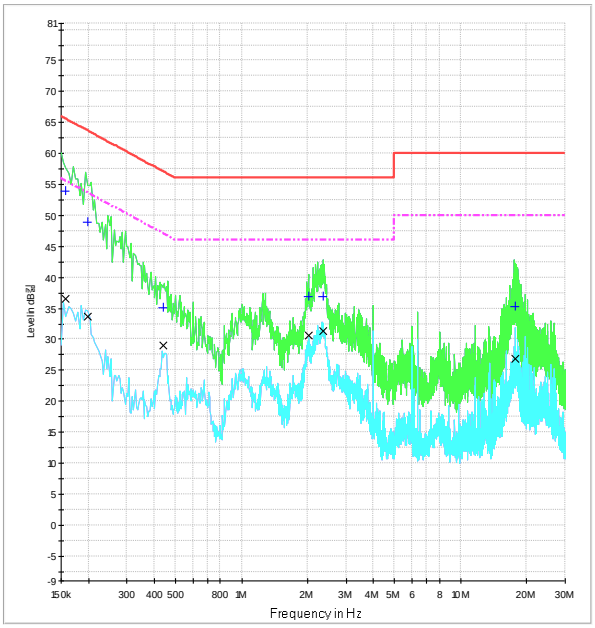
4) Test Mode : USB Data Communication(2.0) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq.	LISN	CL	Line	Q/P				C-A/V			
				Limit	Level	Result	Margin	Limit	Level	Result	Margin
(㎒)	(dB)	(dB)	(P/N)	(dB㎶)	(dB㎶)	(dB㎶)	(dB)	(dB㎶)	(dB㎶)	(dB㎶)	(dB)
0.15	9.70	0.01	N	65.78	43.89	53.60	12.18	55.78	26.19	35.90	19.88
0.16	9.60	0.01	H	65.57	44.39	54.00	11.57	55.57	26.89	36.50	19.07
0.17	9.70	0.01	N	65.16	41.69	51.40	13.76	55.16	23.89	33.60	21.56
0.18	9.70	0.02	N	64.58	41.38	51.10	13.48	54.58	28.68	38.40	16.18
0.20	9.60	0.02	H	63.69	39.28	48.90	14.79	53.69	24.08	33.70	19.99
0.44	9.60	0.03	H	57.10	25.47	35.10	22.00	47.10	19.37	29.00	18.10
2.03	9.60	0.07	H	56.00	27.23	36.90	19.10	46.00	21.03	30.70	15.30
2.34	9.70	0.07	N	56.00	28.23	38.00	18.00	46.00	22.33	32.10	13.90
2.37	9.60	0.07	H	56.00	27.23	36.90	19.10	46.00	21.63	31.30	14.70
13.56	9.77	0.18	N	60.00	32.65	42.60	17.40	50.00	32.55	42.50	7.50
17.69	9.80	0.20	N	60.00	27.60	37.60	22.40	50.00	22.50	32.50	17.50
17.71	9.70	0.20	H	60.00	25.40	35.30	24.70	50.00	16.90	26.80	23.20

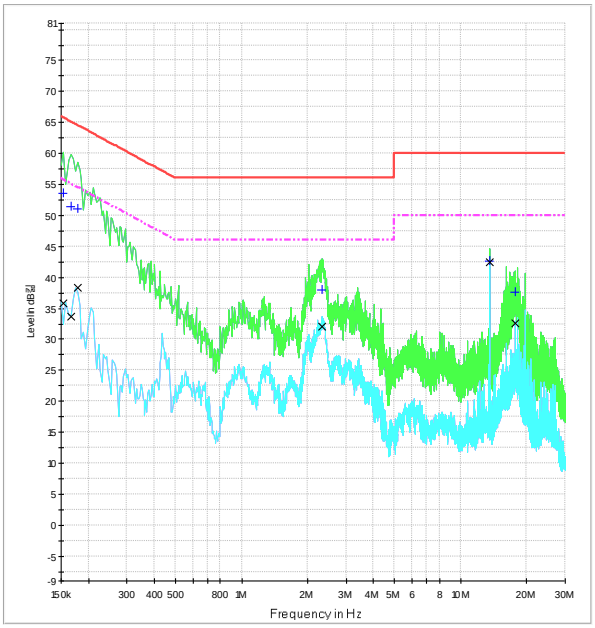
Measurement Uncertainty : 3.38 ㏈ (The confidential level is about 95%, *k*=2)

Note : • Line (H) : Hot • Line (N) : Neutral
• CL: Cable Loss • LISN : LISN Factor
• Result = Level + CL + LISN • Margin = Limit – Result

<L1>


Level in dBµV
Frequency in Hz
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M

<N>


Level in dBµV
Frequency in Hz
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M

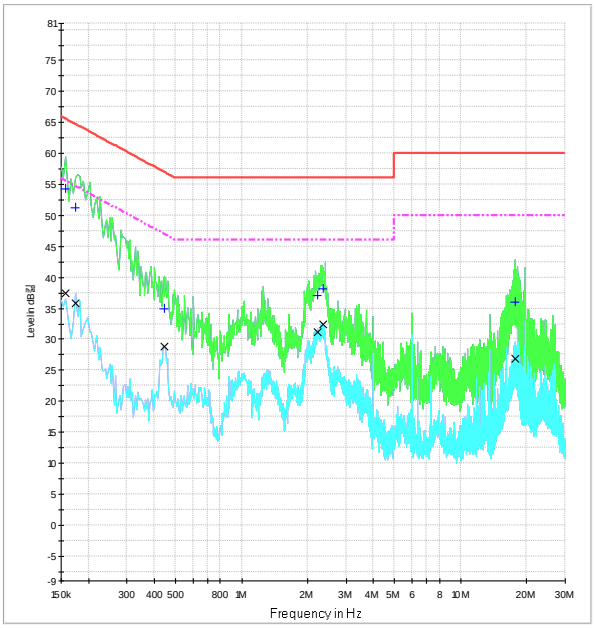
5) Test Mode : USB Data Communication(3.1) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (㎒)	LISN (dB)	CL (dB)	Line (P/N)	Q/P				C-A/V			
				Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)	Limit (dB㎶)	Level (dB㎶)	Result (dB㎶)	Margin (dB)
0.16	9.70	0.01	N	65.57	43.59	53.30	12.27	55.57	27.29	37.00	18.57
0.16	9.60	0.01	H	65.57	44.69	54.30	11.27	55.57	27.89	37.50	18.07
0.17	9.60	0.01	H	64.77	41.59	51.20	13.57	54.77	26.29	35.90	18.87
0.18	9.70	0.02	N	64.39	41.28	51.00	13.39	54.39	26.98	36.70	17.69
0.44	9.70	0.03	N	57.10	25.17	34.90	22.20	47.10	18.97	28.70	18.40
0.44	9.60	0.03	H	57.02	25.17	34.80	22.22	47.02	19.17	28.80	18.22
2.21	9.60	0.07	H	56.00	27.43	37.10	18.90	46.00	21.53	31.20	14.80
2.36	9.60	0.07	H	56.00	28.53	38.20	17.80	46.00	22.73	32.40	13.60
2.37	9.70	0.07	N	56.00	27.93	37.70	18.30	46.00	22.23	32.00	14.00
6.02	9.70	0.12	N	60.00	25.38	35.20	24.80	50.00	26.38	36.20	13.80
17.79	9.70	0.20	H	60.00	26.10	36.00	24.00	50.00	17.00	26.90	23.10
17.90	9.80	0.20	N	60.00	24.80	34.80	25.20	50.00	15.20	25.20	24.80

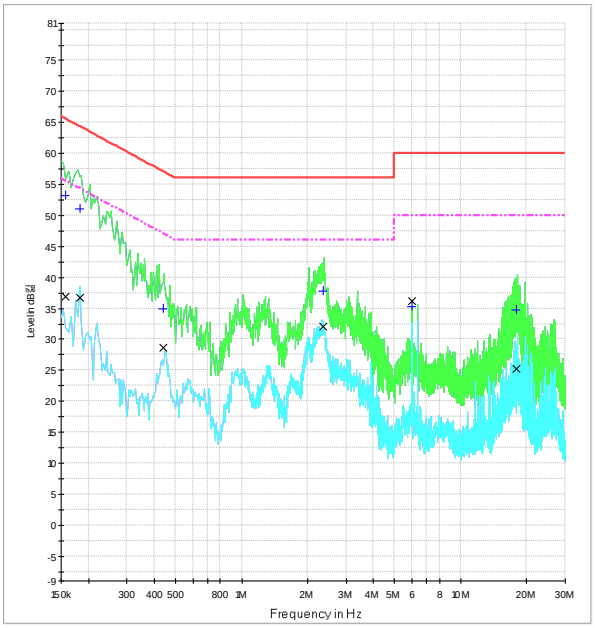
Measurement Uncertainty : 3.38 dB (The confidential level is about 95%, *k*=2)

Note : • Line (H) : Hot • Line (N) : Neutral
• CL: Cable Loss • LISN : LISN Factor
• Result = Level + CL + LISN • Margin = Limit – Result

<L1>


Level in dBµV
Frequency in Hz
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M

<N>


Level in dBµV
Frequency in Hz
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M

2.4 Radiated Emission

The initial preliminary exploratory scans were performed at 3 m distance over the measuring frequency range(30 ㎒ to 30 ㎓) using a max hold mode incorporating a Peak detector and using the software of EP5RE(Version Ver5.3.70 from TOYO). The final test data was measured using a Quasi-Peak detector below 1 ㎓ at 3 m distance and a Peak and Average detector above 1 ㎓ at 3 m distance. Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency.
The EUT was investigated in three orientations and the worst case orientation is reported.
Note. : Three orientations have been investigated and the worst case orientation (Z-axis: The display of EUT placed on the table is facing forwards) is reported.

2.4.1 Test Equipments

Description	Model No.	Manufacturer	S/N	Cal Due. Date
Horn Antenna	HF906	R & S	100326	2021.02.14
Signal Conditioning Unit	SCU 18	R & S	10117	2021.06.10
Test Receiver	ESU26	R & S	100109	2021.02.18
Bilog Antenna	VULB9163	SCHWARZBECK	396	2021.03.21
Amplifier	8447F	HP	2944A03909	2020.08.07
PREAMPLIFIER	TK-PA1840H	TESTEK	130016	2021.01.06
Horn Antenna	BBHA9170	SCHWARZBECK	540	2020.07.24
Test Receiver	ESW44	R & S	101767	2020.11.01
RF Cable	CA-04	-	-	-
RF Cable	CA-05	-	-	-
RF Cable	CA-06	-	-	-
RF Cable	CA-07	-	-	-
RF Cable	CA-08	-	-	-
RF Cable	CA-09	-	-	-
3m SEMI-ANECHOIC CHAMBER	-	SY CORPORATION	-	-

Note : The Bilog Antenna calibration period is 2 years, but the other equipment calibration period are 1 year.

2.4.2 Test Site

3m SEMI-ANECHOIC CHAMBER Gunpo Laboratory (Below 1 ㎓, Above 1 ㎓)

2.4.3 Environment Conditions and data

Radiated Emission Test

- Below 1 ㎓

Temperature (Minimum 23.6, Maximum 24.8) ℃,
Humidity (Minimum 41.0, Maximum 45.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.2) ㎪

Test Date : June 15, 2020 ~ June 19, 2020

- Above 1 ㎓ (1 ㎓ ~ 18 ㎓)

Temperature (Minimum 23.6, Maximum 24.8) ℃,
Humidity (Minimum 43.0, Maximum 45.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.1) ㎪

Test Date : June 19, 2020

- Above 1 ㎓ (18 ㎓ ~ 30 ㎓)

Temperature (Minimum 24.6, Maximum 25.4) ℃,
Humidity (Minimum 35.0, Maximum 37.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.1) ㎪

Test Date : June 26, 2020

Radiated Emission Test_ Licensed Band Rx Mode

- Below 1 ㎓

Temperature (Minimum 23.6, Maximum 24.8) ℃,
Humidity (Minimum 41.0, Maximum 45.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.2) ㎪
Test Date : July 14, 2020 ~ July 15, 2020

- Above 1 ㎓ (1 ㎓ ~ 18 ㎓)

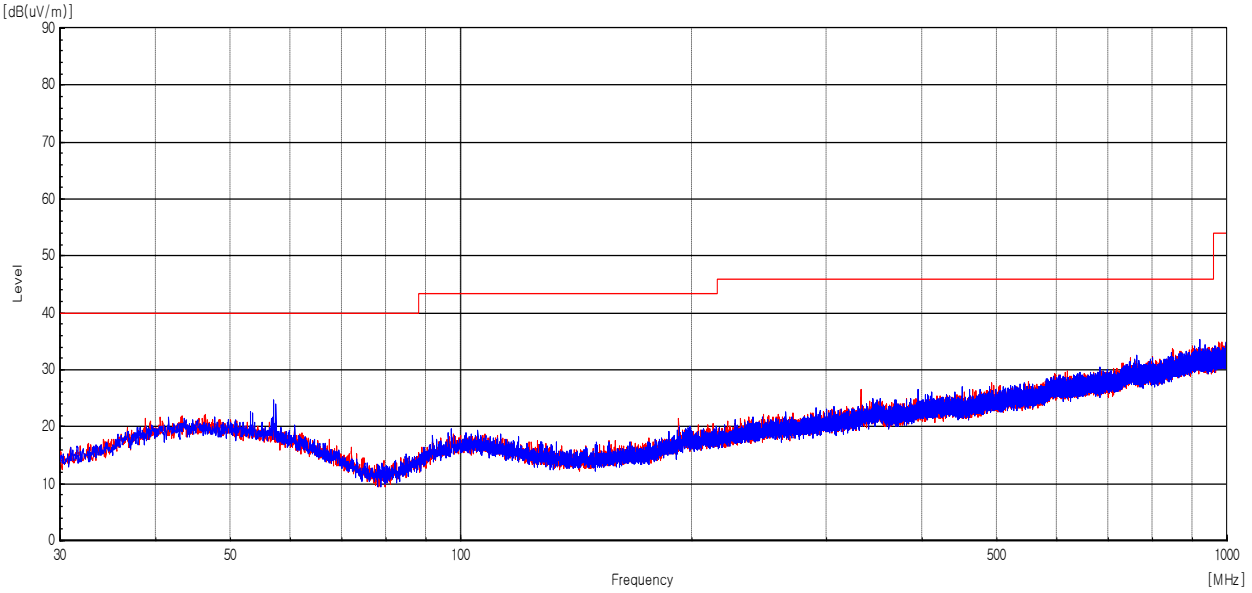
Temperature (Minimum 23.6, Maximum 24.8) ℃,
Humidity (Minimum 43.0, Maximum 45.0) % R.H.,
Atmospheric Pressure (Minimum 100.1, Maximum 100.1) ㎪
Test Date : July 14, 2020 ~ July 15, 2020

Radiated Emission Test Data

- Below 1 ㎓ (3 m method)

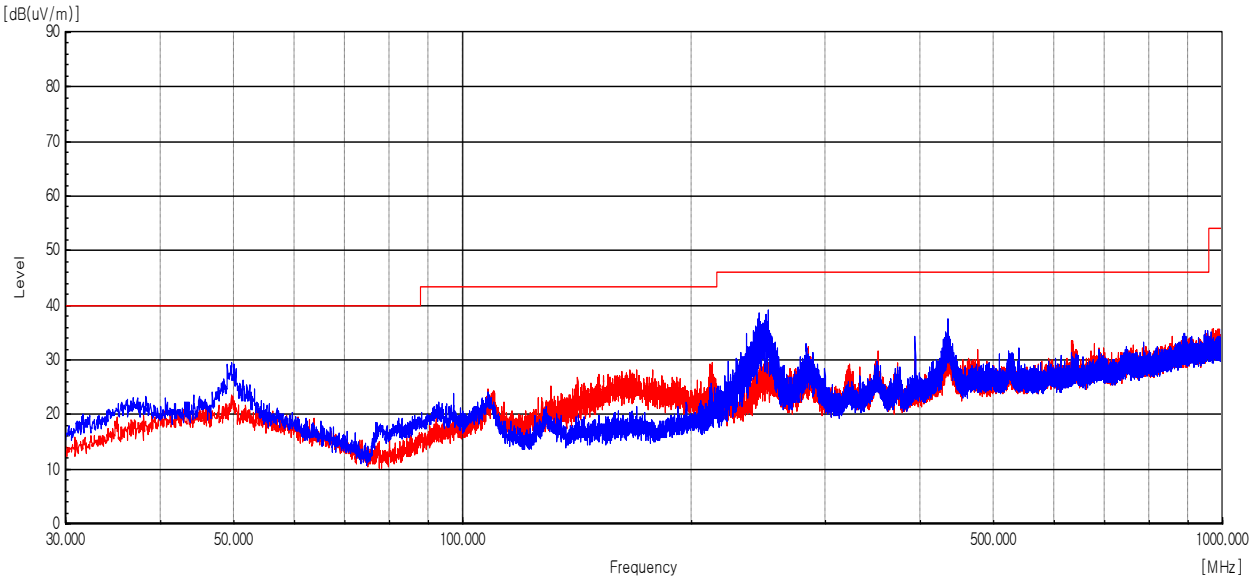
1) Test Mode : Audio+Video playback from internal memory data+S-Pen+POGO Keyboard

Freq. (㎒)	Reading (dB㎶)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
52.67	26.10	H	177	100	19.44	0.82	28.09	18.27	40.00	21.73
57.00	24.20	V	177	100	18.93	0.93	28.09	15.97	40.00	24.03
215.59	22.60	V	270	100	17.60	1.71	27.55	14.36	43.50	29.14
259.20	22.60	H	119	200	18.72	1.68	27.42	15.58	46.00	30.42
450.90	23.40	V	202	200	22.43	2.62	28.51	19.94	46.00	26.06
551.13	23.70	H	184	100	24.20	2.70	28.90	21.70	46.00	24.30



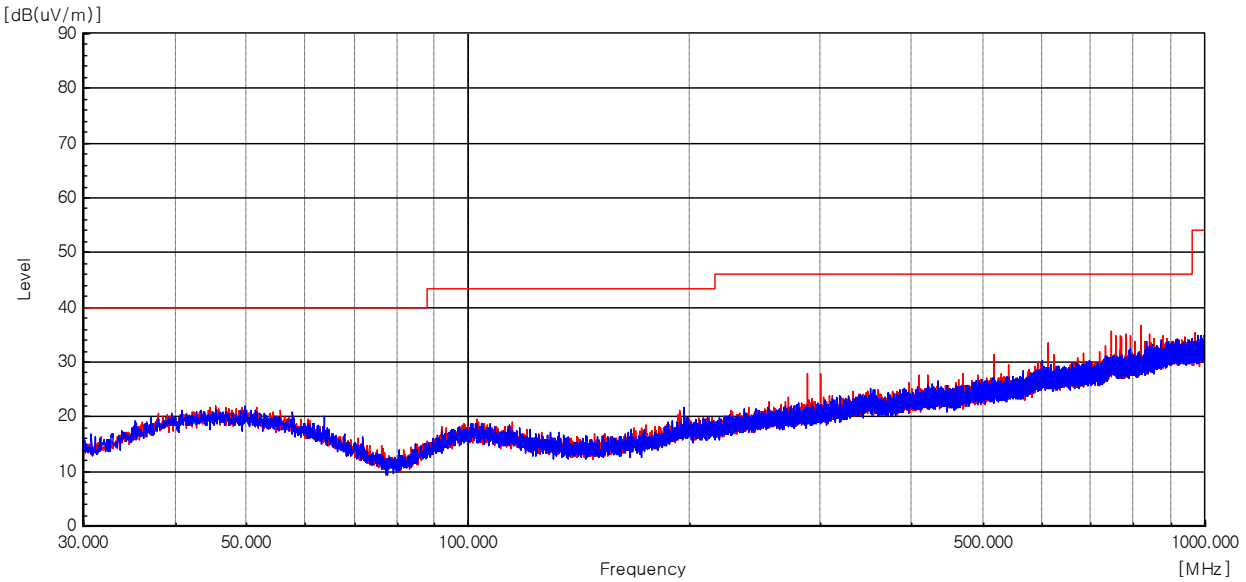
2) Test Mode : Audio+Video playback from internal memory data+Display Port+S-Pen+POGO Keyboard

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
49.56	34.00	V	117	100	19.77	0.75	28.10	26.42	40.00	13.58
212.68	33.30	H	102	100	17.51	1.86	27.56	25.11	43.50	18.39
252.21	31.70	V	102	205	18.63	1.72	27.44	24.61	46.00	21.39
393.99	38.20	V	260	100	21.47	2.29	28.04	33.92	46.00	12.08
434.45	29.30	H	174	205	22.17	2.47	28.38	25.56	46.00	20.44
434.81	36.50	V	260	100	22.17	2.47	28.38	32.76	46.00	13.24



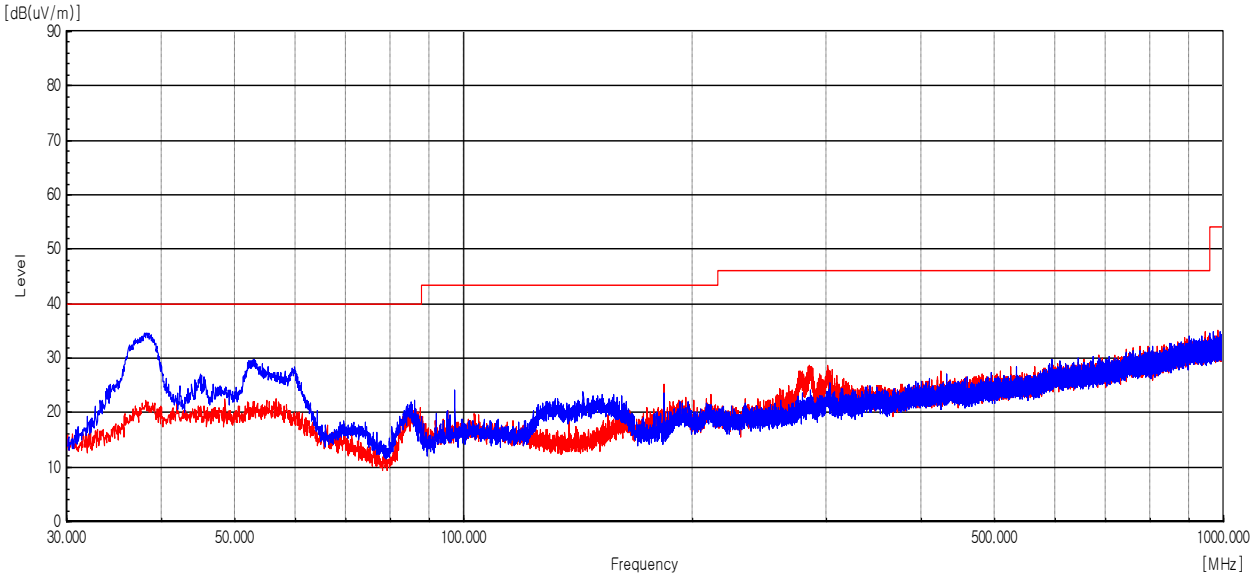
3) Test Mode : Camera Front+S-Pen+POGO Keyboard

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
287.98	33.10	H	253	100	19.10	1.81	27.34	26.67	46.00	19.33
299.98	32.90	H	253	100	19.26	1.85	27.30	26.71	46.00	19.29
612.00	33.80	H	236	100	25.20	2.98	28.98	33.00	46.00	13.00
734.75	23.90	V	110	100	26.20	3.51	28.70	24.91	46.00	21.09
743.96	33.50	H	236	100	26.33	3.65	28.67	34.81	46.00	11.19
816.06	31.80	H	227	100	27.31	3.47	28.44	34.14	46.00	11.86



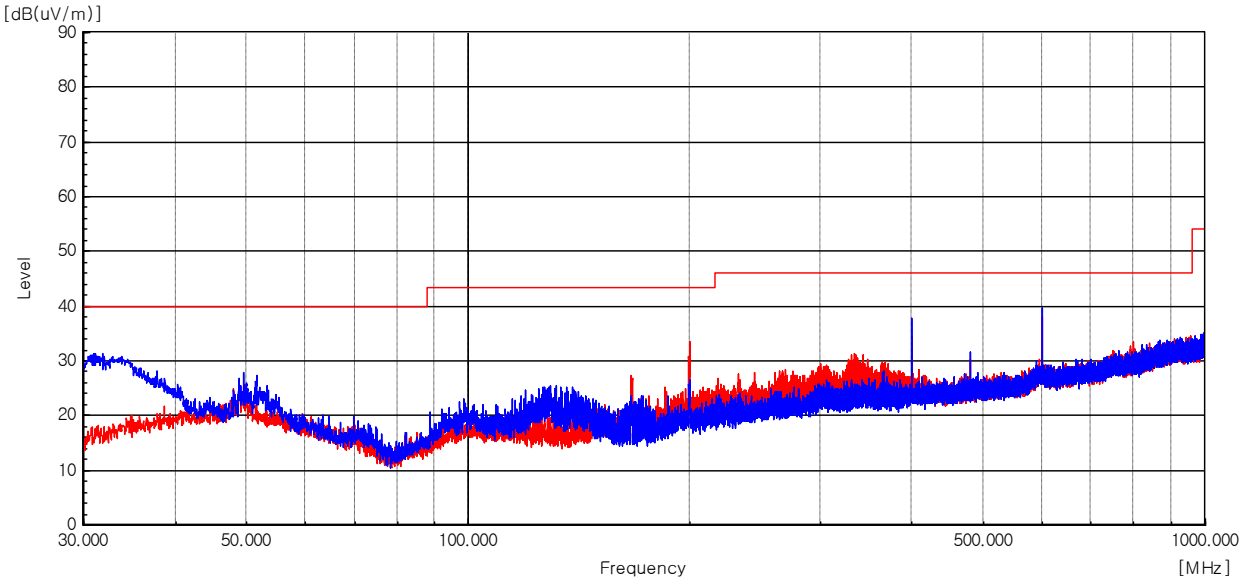
4) Test Mode : Camera Rear+Charging(w/TA)+S-Pen+POGO Keyboard

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.16	41.00	V	359	100	18.16	0.65	28.10	31.71	40.00	8.29
53.04	34.80	V	258	100	19.40	0.83	28.09	26.94	40.00	13.06
59.91	34.70	V	203	100	18.58	1.01	28.08	26.21	40.00	13.79
97.25	32.50	V	32	100	17.44	1.05	28.01	22.98	43.50	20.52
183.50	31.10	H	259	195	15.66	1.46	27.67	20.55	43.50	22.95
301.68	31.20	H	355	100	19.30	1.87	27.31	25.06	46.00	20.94



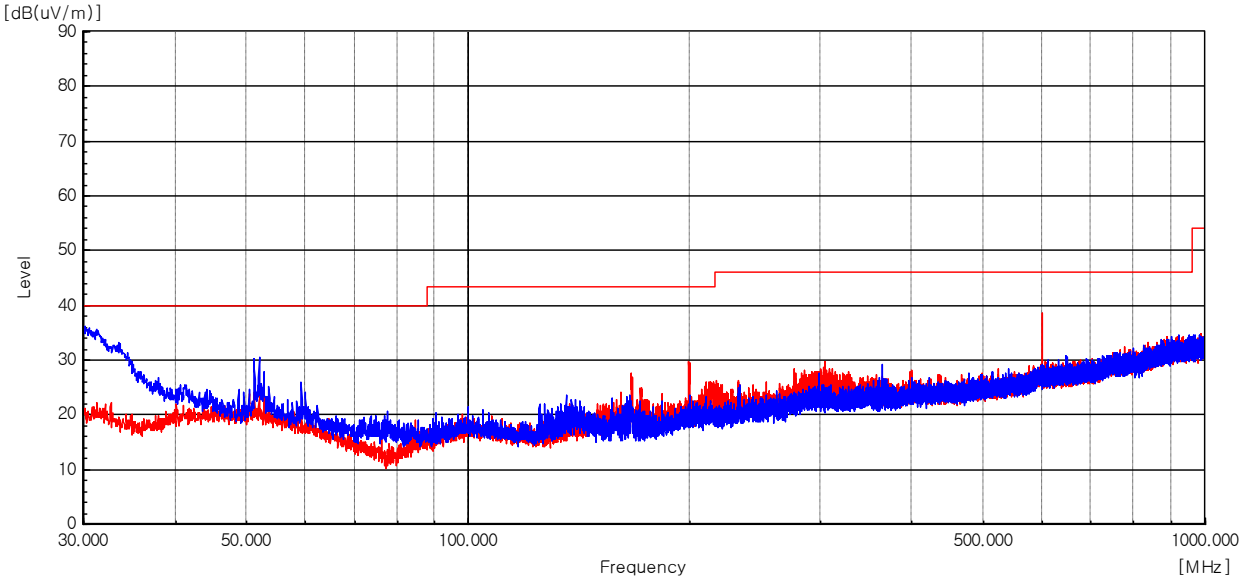
5) Test Mode : USB Data Communication(2.0) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
31.17	41.90	V	293	100	16.29	0.50	28.10	30.59	40.00	9.41
49.52	28.00	V	330	100	19.77	0.75	28.10	20.42	40.00	19.58
166.00	31.40	H	47	100	14.55	1.39	27.74	19.60	43.50	23.90
199.99	39.00	H	203	200	17.14	1.57	27.60	30.11	43.50	13.39
400.02	42.50	V	74	100	21.61	2.24	28.10	38.25	46.00	7.75
480.04	32.60	V	17	100	22.91	2.67	28.68	29.50	46.00	16.50



6) Test Mode : USB Data Communication(3.1) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
30.12	45.60	V	65	100	16.09	0.48	28.10	34.07	40.00	5.93
33.56	41.50	V	304	100	16.74	0.55	28.10	30.69	40.00	9.31
51.95	38.60	V	50	100	19.53	0.80	28.10	30.83	40.00	9.17
166.00	37.50	H	181	197	14.55	1.39	27.74	25.70	43.50	17.80
199.18	33.00	H	160	100	17.07	1.57	27.60	24.04	43.50	19.46
364.57	29.60	V	42	100	20.78	2.35	27.75	24.98	46.00	21.02



Measurement Uncertainty (Horizontal) : 5.01 dB (The confidential level is about 95%, *k*=2)
Measurement Uncertainty (Vertical) : 5.38 dB (The confidential level is about 95%, *k*=2)

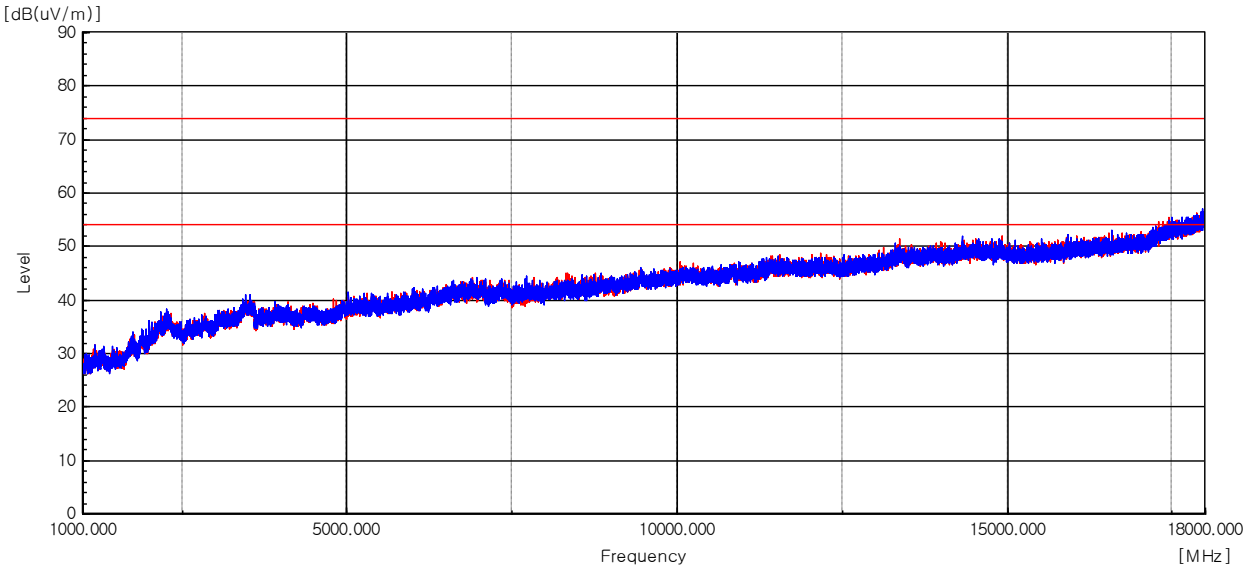
Note: • AF = Antenna Factor • CL = Cable Loss • F/S = Field Strength
• Pol.(H) = Horizontal • Pol.(V) = Vertical • Amp. = Amplifier Gain
• Margin = Limit – F/S • F/S = Level + AF + CL – Amp.
• A : Angle • H : Height

- Above 1 ㎓ (3 m method)

(1 ㎓ ~ 18 ㎓)

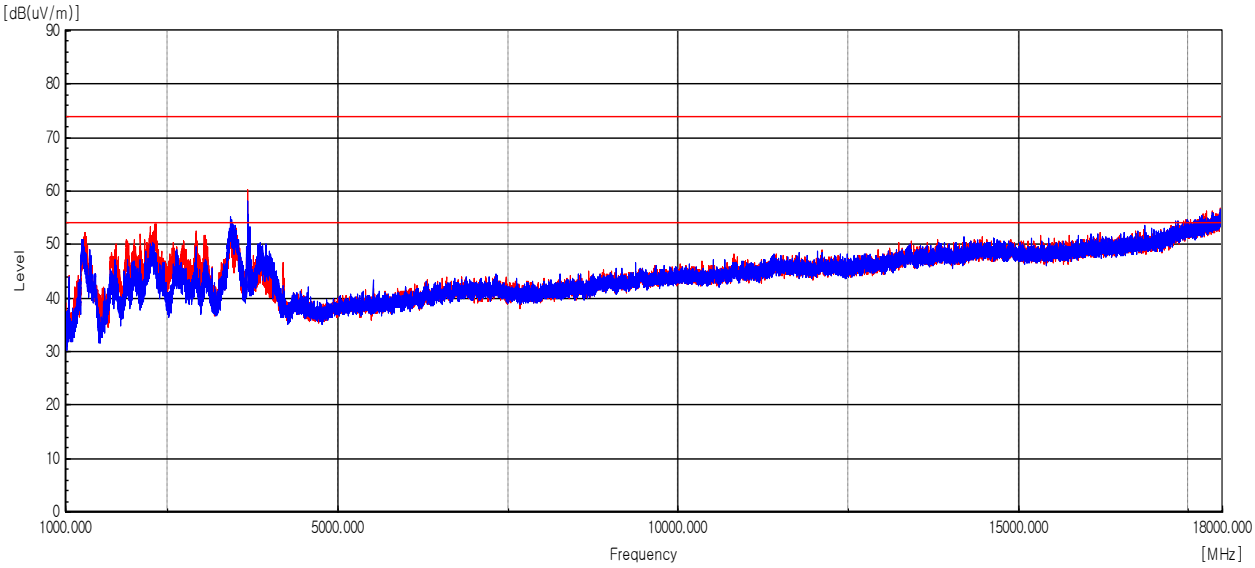
1) Test Mode : Audio+Video playback from internal memory data+S-Pen+POGO Keyboard

Freq. (㎒)	Level (dB㎶)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
	Peak	C-AV										
16797.96	43.70	-	V	225	100	41.80	17.34	45.32	0.00	57.52	74.00	16.48
16797.96	-	30.10	V	225	100	41.80	17.34	45.32	0.00	43.92	54.00	10.08
17029.58	43.10	-	H	313	196	41.90	17.54	45.41	0.00	57.13	74.00	16.87
17029.58	-	29.50	H	313	196	41.90	17.54	45.41	0.00	43.53	54.00	10.47
17352.58	43.30	-	H	310	100	42.51	18.21	45.54	0.00	58.48	74.00	15.52
17352.58	-	29.90	H	310	100	42.51	18.21	45.54	0.00	45.08	54.00	8.92
17494.96	43.40	-	V	99	204	43.17	18.51	45.60	0.00	59.48	74.00	14.52
17494.96	-	29.80	V	99	204	43.17	18.51	45.60	0.00	45.88	54.00	8.12
17707.46	43.00	-	V	245	100	43.71	18.78	45.68	0.00	59.81	74.00	14.19
17707.46	-	29.60	V	245	100	43.71	18.78	45.68	0.00	46.41	54.00	7.59
17861.16	43.20	-	H	349	100	44.32	18.97	45.74	0.00	60.75	74.00	13.25
17861.16	-	29.70	H	349	100	44.32	18.97	45.74	0.00	47.25	54.00	6.75



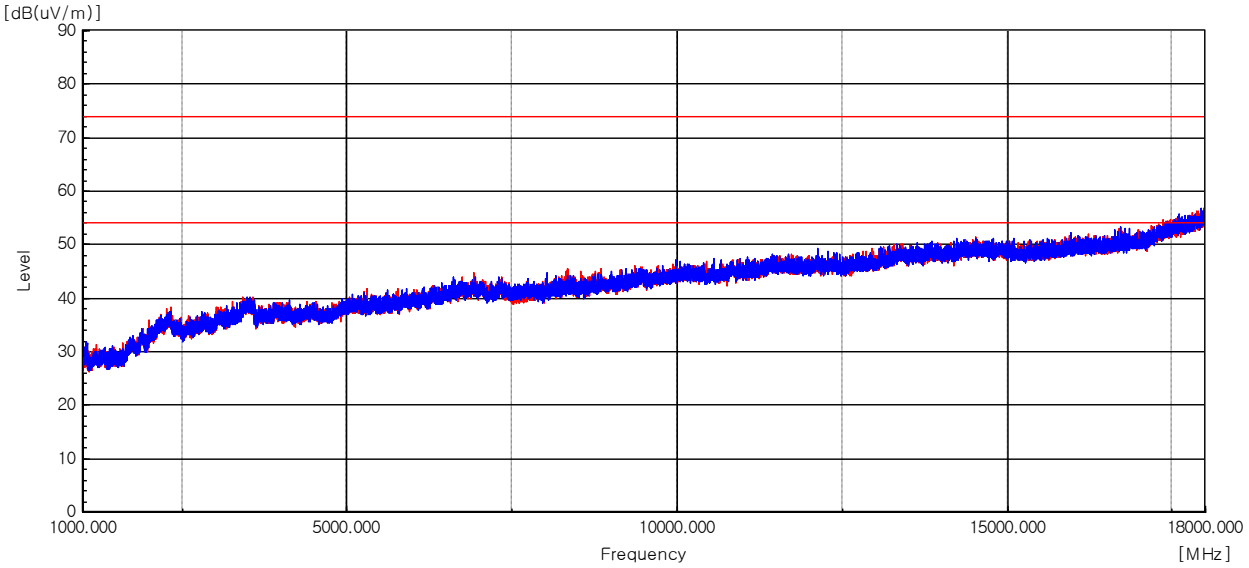
2) Test Mode : Audio+Video playback from internal memory data+Display Port+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
1241.54	69.30	-	V	312	205	25.25	4.57	45.48	0.00	53.64	74.00	20.36
1241.54	-	57.10	V	312	205	25.25	4.57	45.48	0.00	41.44	54.00	12.56
1290.42	70.20	-	H	338	204	25.30	4.69	45.45	0.00	54.74	74.00	19.26
1290.42	-	57.60	H	338	204	25.30	4.69	45.45	0.00	42.14	54.00	11.86
2324.58	65.30	-	H	200	204	27.90	9.09	45.34	0.00	56.95	74.00	17.05
2324.58	-	52.30	H	200	204	27.90	9.09	45.34	0.00	43.95	54.00	10.05
3427.46	63.50	-	V	249	100	31.06	7.64	45.57	0.00	56.63	74.00	17.37
3427.46	-	50.40	V	249	100	31.06	7.64	45.57	0.00	43.53	54.00	10.47
3676.08	67.70	-	H	299	204	32.11	7.91	45.44	0.00	62.28	74.00	11.72
3676.08	-	44.00	H	299	204	32.11	7.91	45.44	0.00	38.58	54.00	15.42
3676.79	67.60	-	V	321	205	32.11	7.91	45.44	0.00	62.18	74.00	11.82
3676.79	-	43.60	V	321	205	32.11	7.91	45.44	0.00	38.18	54.00	15.82



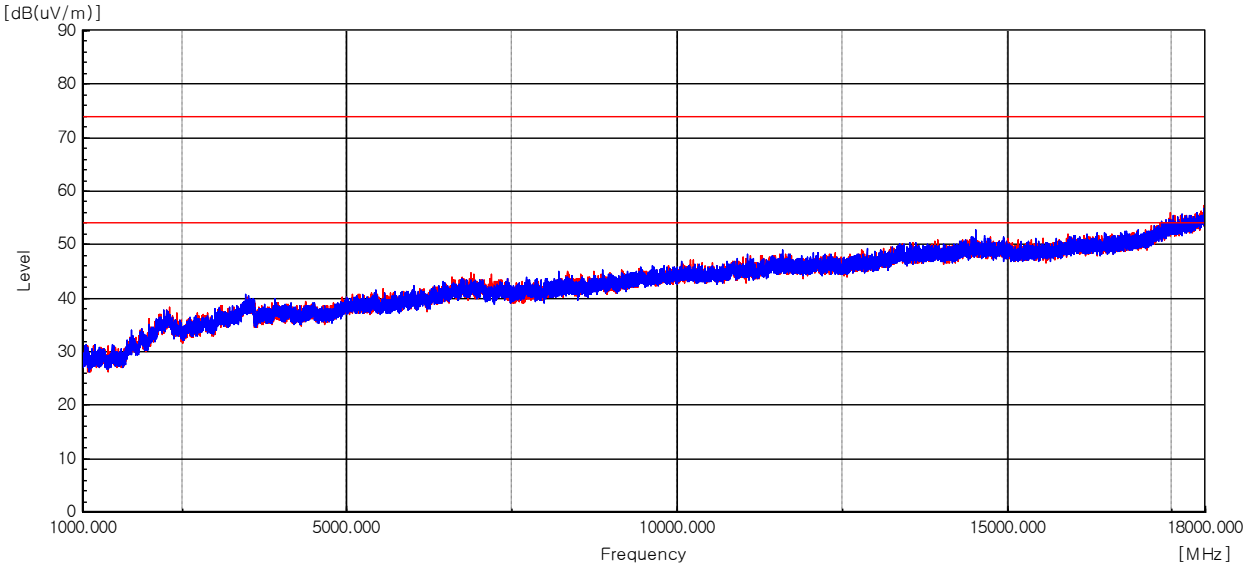
3) Test Mode : Camera Front+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16700.21	43.60	-	H	112	100	41.60	17.27	45.28	0.00	57.19	74.00	16.81
16700.21	-	29.60	H	112	100	41.60	17.27	45.28	0.00	43.19	54.00	10.81
16717.21	43.70	-	V	303	206	41.63	17.28	45.29	0.00	57.32	74.00	16.68
16717.21	-	30.10	V	303	206	41.63	17.28	45.29	0.00	43.72	54.00	10.28
17281.04	43.70	-	V	359	206	42.42	18.06	45.51	0.00	58.67	74.00	15.33
17281.04	-	29.90	V	359	206	42.42	18.06	45.51	0.00	44.87	54.00	9.13
17564.37	43.50	-	H	288	196	43.36	18.60	45.63	0.00	59.83	74.00	14.17
17564.37	-	29.60	H	288	196	43.36	18.60	45.63	0.00	45.93	54.00	8.07
17849.83	42.90	-	V	266	100	44.30	18.95	45.74	0.00	60.41	74.00	13.59
17849.83	-	29.60	V	266	100	44.30	18.95	45.74	0.00	47.11	54.00	6.89
17997.16	43.30	-	H	185	196	44.69	19.14	45.80	0.00	61.33	74.00	12.67
17997.16	-	29.70	H	185	196	44.69	19.14	45.80	0.00	47.73	54.00	6.27



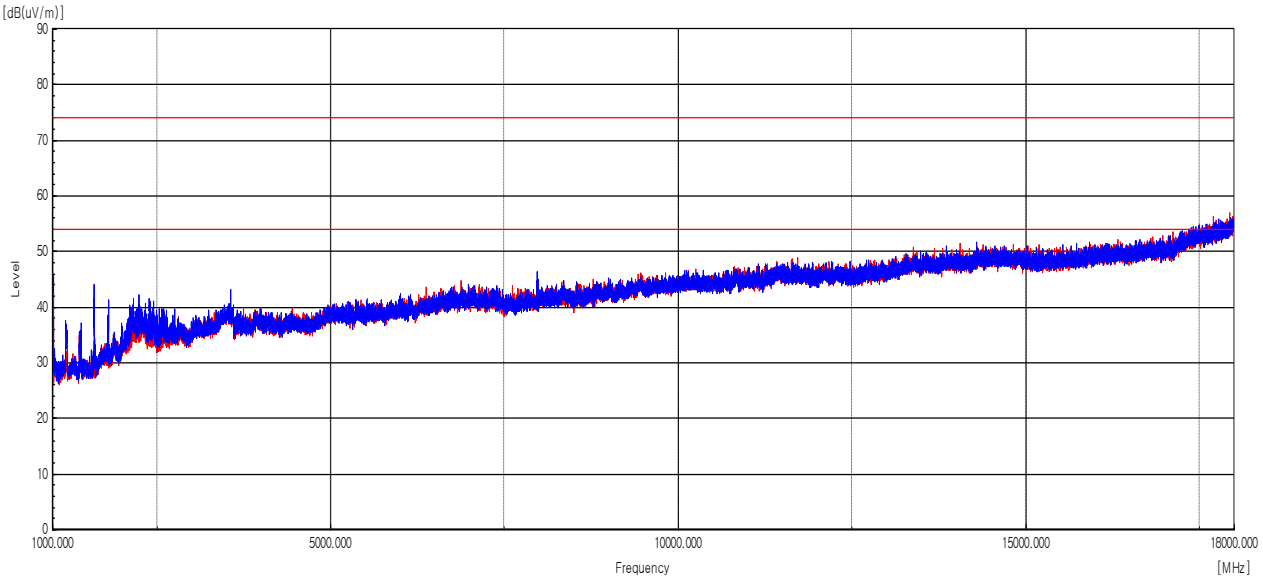
4) Test Mode : Camera Rear+Charging(w/TA)+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16466.46	43.00	-	V	96	100	41.40	17.12	45.19	0.00	56.33	74.00	17.67
16466.46	-	29.40	V	96	100	41.40	17.12	45.19	0.00	42.73	54.00	11.27
16579.08	43.10	-	H	293	100	41.56	17.19	45.23	0.00	56.62	74.00	17.38
16579.08	-	29.50	H	293	100	41.56	17.19	45.23	0.00	43.02	54.00	10.98
16987.79	43.40	-	V	238	204	41.90	17.47	45.40	0.00	57.37	74.00	16.63
16987.79	-	29.50	V	238	204	41.90	17.47	45.40	0.00	43.47	54.00	10.53
17176.92	43.60	-	H	28	195	42.11	17.85	45.47	0.00	58.09	74.00	15.91
17176.92	-	29.10	H	28	195	42.11	17.85	45.47	0.00	43.59	54.00	10.41
17469.46	43.90	-	H	188	195	43.02	18.46	45.59	0.00	59.79	74.00	14.21
17469.46	-	29.80	H	188	195	43.02	18.46	45.59	0.00	45.69	54.00	8.31
17635.92	43.00	-	V	321	204	43.64	18.69	45.65	0.00	59.68	74.00	14.32
17635.92	-	29.60	V	321	204	43.64	18.69	45.65	0.00	46.28	54.00	7.72



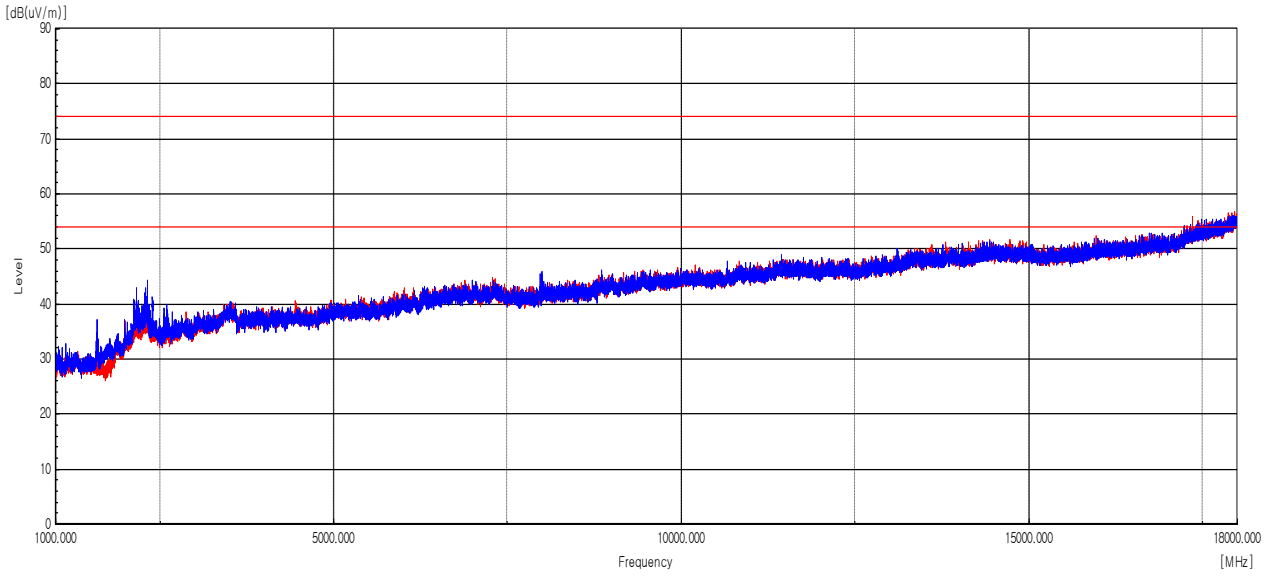
5) Test Mode : USB Data Communication(2.0) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
1007.08	50.50	-	V	1	200	24.10	4.11	45.50	0.00	33.21	74.00	40.79
1007.08	-	35.20	V	1	200	24.10	4.11	45.50	0.00	17.91	54.00	36.09
1007.08	50.00	-	H	347	100	24.10	4.11	45.50	0.00	32.71	74.00	41.29
1007.08	-	35.50	H	347	100	24.10	4.11	45.50	0.00	18.21	54.00	35.79
1592.17	65.90	-	V	87	200	25.02	5.31	45.30	0.00	50.93	74.00	23.07
1592.17	-	39.20	V	87	200	25.02	5.31	45.30	0.00	24.23	54.00	29.77
1799.71	59.00	-	V	257	200	26.80	5.66	45.40	0.00	46.06	74.00	27.94
1799.71	-	34.30	V	257	200	26.80	5.66	45.40	0.00	21.36	54.00	32.64
2238.17	53.70	-	V	87	200	27.71	9.67	45.38	0.00	45.70	74.00	28.30
2238.17	-	34.70	V	87	200	27.71	9.67	45.38	0.00	26.70	54.00	27.30
3564.17	47.20	-	V	96	100	31.16	7.85	45.44	0.00	40.77	74.00	33.23
3564.17	-	32.20	V	96	100	31.16	7.85	45.44	0.00	25.77	54.00	28.23



6) Test Mode : USB Data Communication(3.1) with PC(from external memory data)+S-Pen+POGO Keyboard

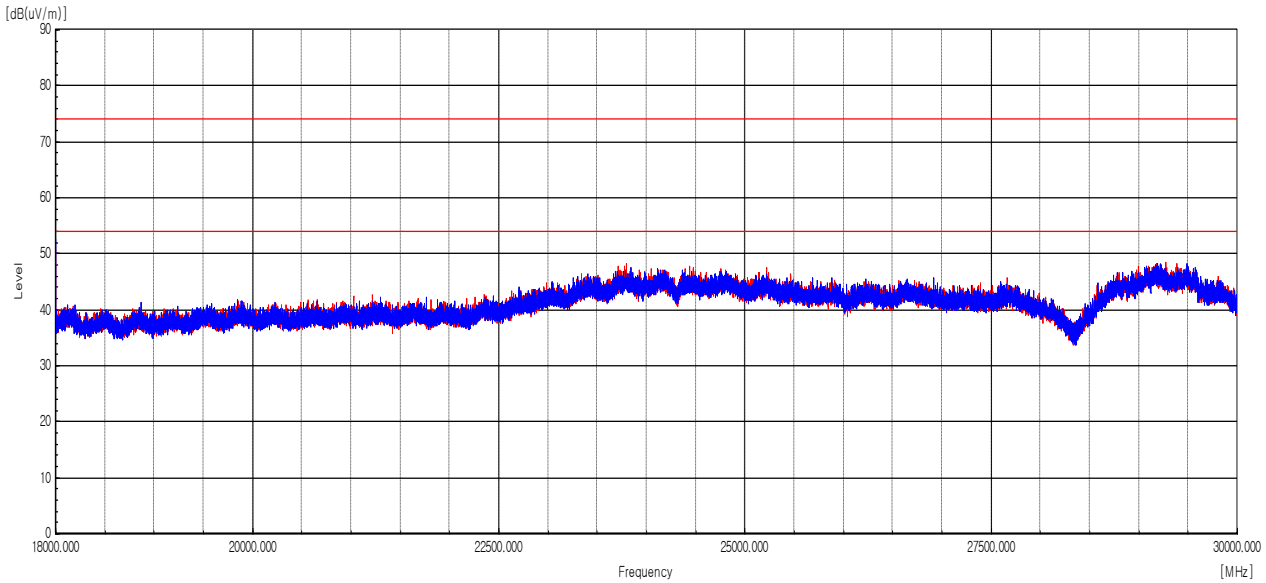
Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
1591.46	57.00	-	V	247	100	25.02	5.30	45.30	0.00	42.02	74.00	31.98
1591.46	-	38.30	V	247	100	25.02	5.30	45.30	0.00	23.32	54.00	30.68
2160.96	57.00	-	V	257	100	27.48	9.09	45.42	0.00	48.15	74.00	25.85
2160.96	-	36.80	V	257	100	27.48	9.09	45.42	0.00	27.95	54.00	26.05
2320.33	56.30	-	V	241	200	27.92	9.13	45.34	0.00	48.01	74.00	25.99
2320.33	-	36.40	V	241	200	27.92	9.13	45.34	0.00	28.11	54.00	25.89
3544.33	44.90	-	H	242	100	31.11	7.86	45.46	0.00	38.41	74.00	35.59
3544.33	-	31.40	H	242	100	31.11	7.86	45.46	0.00	24.91	54.00	29.09
17349.04	43.20	-	H	226	100	42.50	18.21	45.54	0.00	58.37	74.00	15.63
17349.04	-	30.00	H	226	100	42.50	18.21	45.54	0.00	45.17	54.00	8.83
17944.04	43.90	-	V	130	200	44.58	19.07	45.78	0.00	61.77	74.00	12.23
17944.04	-	29.70	V	130	200	44.58	19.07	45.78	0.00	47.57	54.00	6.43



(18 GHz ~ 30 GHz)

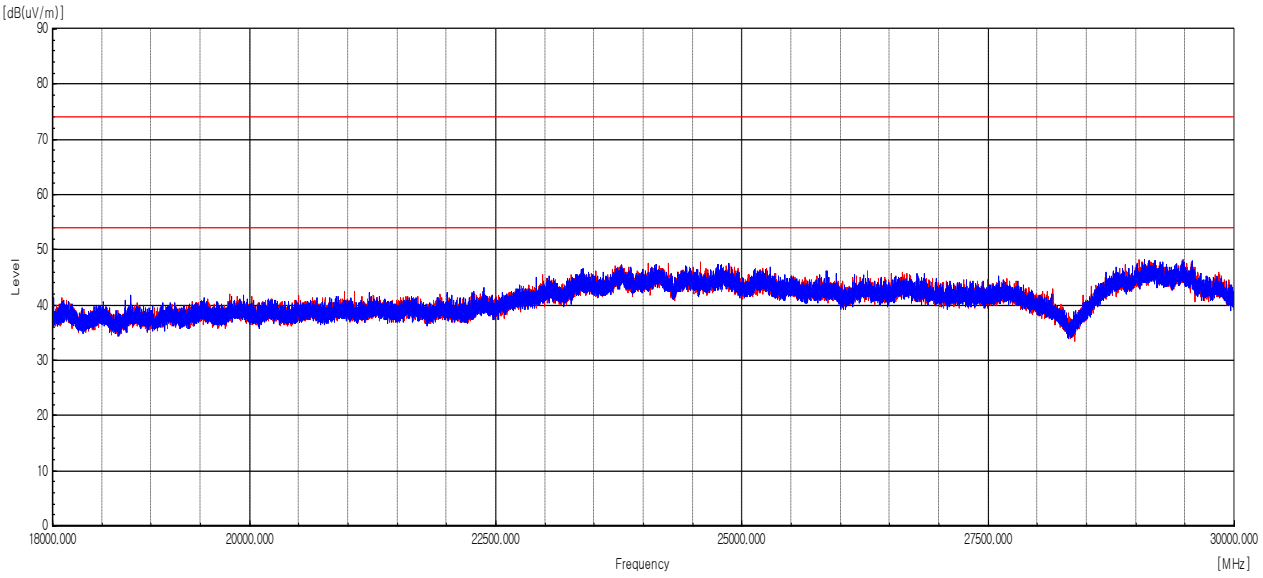
1) Test Mode : Audio+Video playback from internal memory data+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
23797.00	56.00	-	H	193	100	39.20	2.96	49.64	0.00	48.52	74.00	25.48
23797.00	-	48.30	H	193	100	39.20	2.96	49.64	0.00	40.82	54.00	13.18
23841.00	55.00	-	V	229	100	39.20	2.96	49.64	0.00	47.52	74.00	26.48
23841.00	-	47.40	V	229	100	39.20	2.96	49.64	0.00	39.92	54.00	14.08
24441.00	55.30	-	H	134	100	39.64	3.38	49.57	0.00	48.75	74.00	25.25
24441.00	-	47.80	H	134	100	39.64	3.38	49.57	0.00	41.25	54.00	12.75
24752.00	54.50	-	V	249	100	39.85	3.68	49.53	0.00	48.50	74.00	25.50
24752.00	-	46.90	V	249	100	39.85	3.68	49.53	0.00	40.90	54.00	13.10
25216.00	55.60	-	H	75	100	40.00	4.02	49.50	0.00	50.12	74.00	23.88
25216.00	-	47.40	H	75	100	40.00	4.02	49.50	0.00	41.92	54.00	12.08
25218.50	54.60	-	V	307	100	40.00	4.02	49.50	0.00	49.12	74.00	24.88
25218.50	-	46.40	V	307	100	40.00	4.02	49.50	0.00	40.92	54.00	13.08



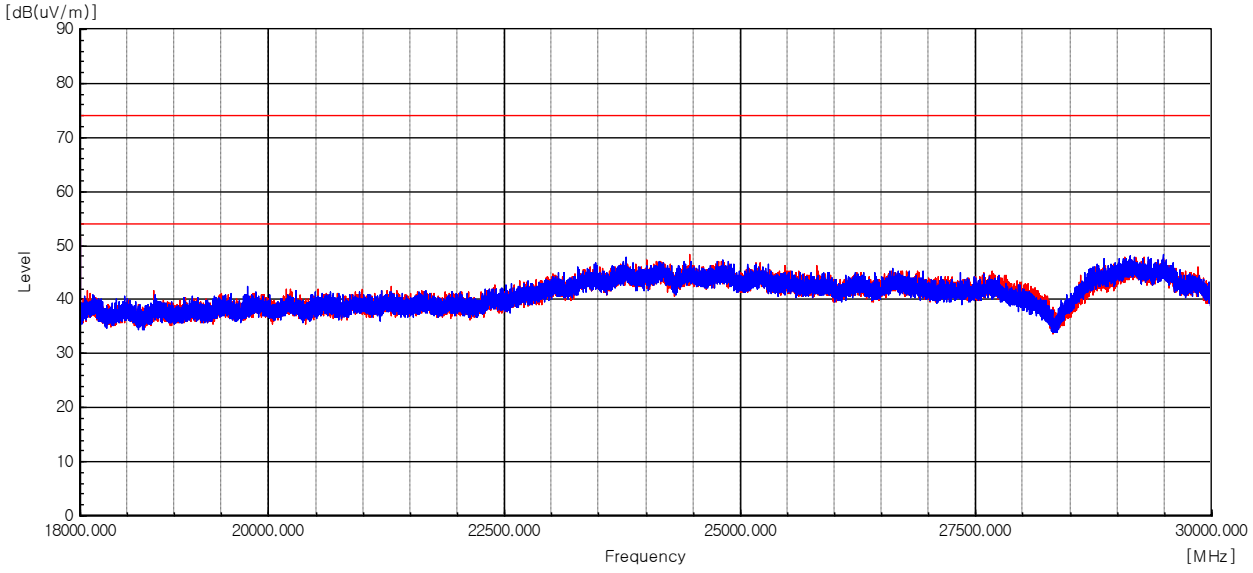
2) Test Mode : Audio+Video playback from internal memory data+Display Port+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
23781.00	55.10	-	V	35	100	39.20	2.96	49.65	0.00	47.61	74.00	26.39
23781.00	-	47.40	V	35	100	39.20	2.96	49.65	0.00	39.91	54.00	14.09
24579.00	55.30	-	H	211	100	39.75	3.51	49.55	0.00	49.01	74.00	24.99
24579.00	-	47.70	H	211	100	39.75	3.51	49.55	0.00	41.41	54.00	12.59
25245.50	54.90	-	H	55	100	40.00	4.04	49.50	0.00	49.44	74.00	24.56
25245.50	-	46.70	H	55	100	40.00	4.04	49.50	0.00	41.24	54.00	12.76
25866.50	55.40	-	V	325	100	40.00	4.36	49.50	0.00	50.26	74.00	23.74
25866.50	-	46.10	V	325	100	40.00	4.36	49.50	0.00	40.96	54.00	13.04
29035.50	51.60	-	H	211	100	40.70	9.25	49.50	0.00	52.05	74.00	21.95
29035.50	-	48.20	H	211	100	40.70	9.25	49.50	0.00	48.65	54.00	5.35
29090.50	51.60	-	V	306	100	40.70	9.01	49.50	0.00	51.81	74.00	22.19
29090.50	-	48.20	V	306	100	40.70	9.01	49.50	0.00	48.41	54.00	5.59



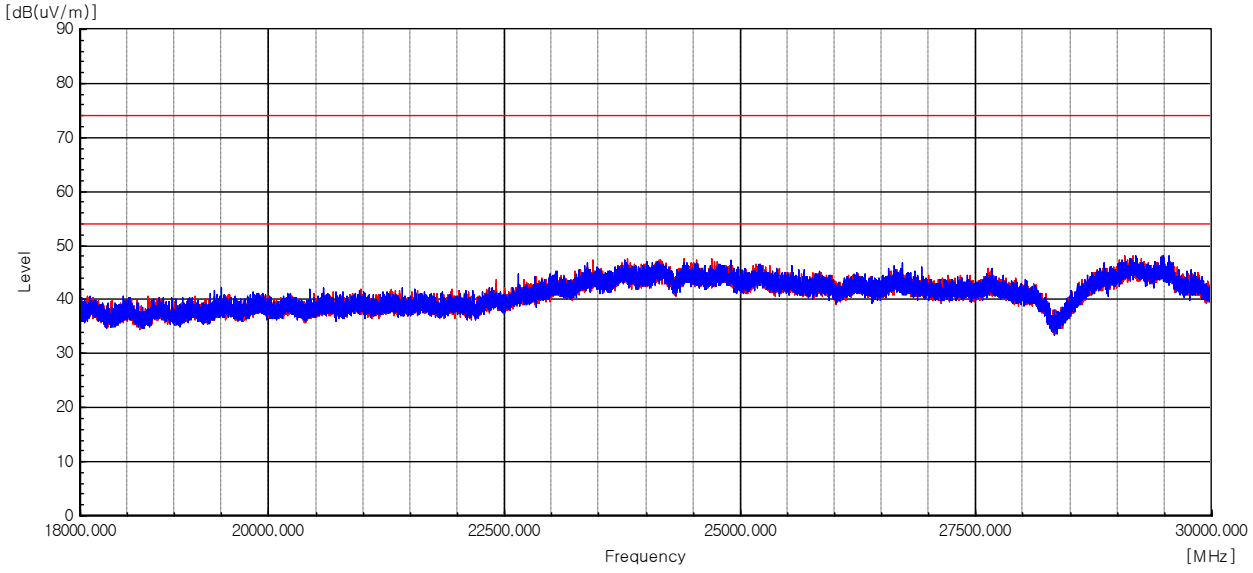
3) Test Mode : Camera Front+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
23753.00	54.40	-	H	135	100	39.20	2.96	49.65	0.00	46.91	74.00	27.09
23753.00	-	46.70	H	135	100	39.20	2.96	49.65	0.00	39.21	54.00	14.79
23782.00	55.50	-	V	134	100	39.20	2.96	49.65	0.00	48.01	74.00	25.99
23782.00	-	47.80	V	134	100	39.20	2.96	49.65	0.00	40.31	54.00	13.69
24762.00	54.80	-	H	310	100	39.86	3.69	49.53	0.00	48.82	74.00	25.18
24762.00	-	47.20	H	310	100	39.86	3.69	49.53	0.00	41.22	54.00	12.78
24808.50	55.10	-	V	19	100	39.89	3.73	49.52	0.00	49.20	74.00	24.80
24808.50	-	47.40	V	19	100	39.89	3.73	49.52	0.00	41.50	54.00	12.50
26609.00	54.50	-	V	349	100	40.46	4.67	49.50	0.00	50.13	74.00	23.87
26609.00	-	45.80	V	349	100	40.46	4.67	49.50	0.00	41.43	54.00	12.57
29187.00	51.30	-	H	154	100	40.70	8.59	49.50	0.00	51.09	74.00	22.91
29187.00	-	47.90	H	154	100	40.70	8.59	49.50	0.00	47.69	54.00	6.31



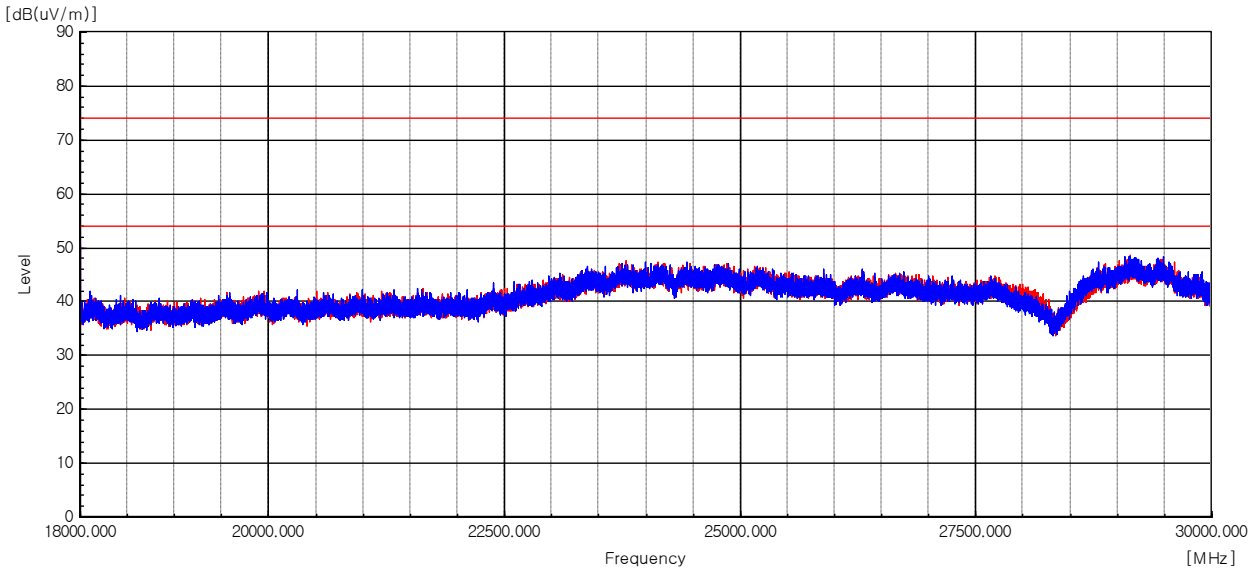
4) Test Mode : Camera Rear+Charging(w/TA)+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
23779.00	55.00	-	V	73	100	39.20	2.96	49.65	0.00	47.51	74.00	26.49
23779.00	-	47.30	V	73	100	39.20	2.96	49.65	0.00	39.81	54.00	14.19
23798.00	55.10	-	H	231	100	39.20	2.96	49.64	0.00	47.62	74.00	26.38
23798.00	-	47.40	H	231	100	39.20	2.96	49.64	0.00	39.92	54.00	14.08
24703.00	55.20	-	H	19	100	39.82	3.63	49.54	0.00	49.11	74.00	24.89
24703.00	-	47.60	H	19	100	39.82	3.63	49.54	0.00	41.51	54.00	12.49
24894.00	55.00	-	V	17	100	39.94	3.81	49.51	0.00	49.24	74.00	24.76
24894.00	-	47.30	V	17	100	39.94	3.81	49.51	0.00	41.54	54.00	12.46
29072.50	51.40	-	H	94	100	40.70	9.09	49.50	0.00	51.69	74.00	22.31
29072.50	-	48.00	H	94	100	40.70	9.09	49.50	0.00	48.29	54.00	5.71
29547.00	52.70	-	V	232	100	40.70	7.03	49.50	0.00	50.93	74.00	23.07
29547.00	-	48.00	V	232	100	40.70	7.03	49.50	0.00	46.23	54.00	7.77



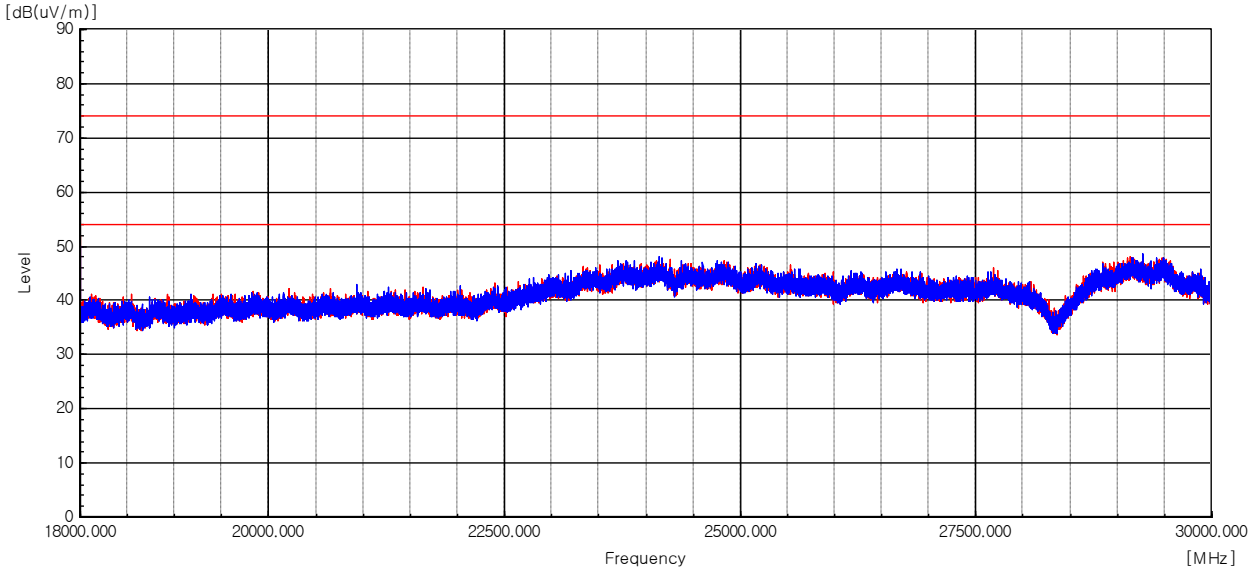
5) Test Mode : USB Data Communication(2.0) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
23781.50	55.20	-	H	57	100	39.20	2.96	49.65	0.00	47.71	74.00	26.29
23781.50	-	47.50	H	57	100	39.20	2.96	49.65	0.00	40.01	54.00	13.99
23996.50	54.80	-	V	344	100	39.20	2.97	49.62	0.00	47.35	74.00	26.65
23996.50	-	47.30	V	344	100	39.20	2.97	49.62	0.00	39.85	54.00	14.15
24858.50	54.70	-	H	233	100	39.92	3.78	49.52	0.00	48.88	74.00	25.12
24858.50	-	47.00	H	233	100	39.92	3.78	49.52	0.00	41.18	54.00	12.82
24879.00	54.70	-	V	231	100	39.93	3.80	49.51	0.00	48.92	74.00	25.08
24879.00	-	47.00	V	231	100	39.93	3.80	49.51	0.00	41.22	54.00	12.78
29071.50	51.70	-	V	133	100	40.70	9.09	49.50	0.00	51.99	74.00	22.01
29071.50	-	48.30	V	133	100	40.70	9.09	49.50	0.00	48.59	54.00	5.41
29136.50	52.00	-	H	77	100	40.70	8.81	49.50	0.00	52.01	74.00	21.99
29136.50	-	48.60	H	77	100	40.70	8.81	49.50	0.00	48.61	54.00	5.39



6) Test Mode : USB Data Communication(3.1) with PC(from external memory data)+S-Pen+POGO Keyboard

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
24138.00	55.60	-	V	112	100	39.34	3.10	49.60	0.00	48.44	74.00	25.56
24138.00	-	48.10	V	112	100	39.34	3.10	49.60	0.00	40.94	54.00	13.06
24252.00	55.00	-	H	114	100	39.45	3.21	49.59	0.00	48.07	74.00	25.93
24252.00	-	47.50	H	114	100	39.45	3.21	49.59	0.00	40.57	54.00	13.43
24760.00	54.90	-	V	346	100	39.86	3.68	49.53	0.00	48.91	74.00	25.09
24760.00	-	47.30	V	346	100	39.86	3.68	49.53	0.00	41.31	54.00	12.69
25204.00	54.70	-	H	94	100	40.00	4.02	49.50	0.00	49.22	74.00	24.78
25204.00	-	46.60	H	94	100	40.00	4.02	49.50	0.00	41.12	54.00	12.88
29142.00	51.50	-	H	192	100	40.70	8.78	49.50	0.00	51.48	74.00	22.52
29142.00	-	48.10	H	192	100	40.70	8.78	49.50	0.00	48.08	54.00	5.92
29267.50	52.30	-	V	307	100	40.70	8.24	49.50	0.00	51.74	74.00	22.26
29267.50	-	48.70	V	307	100	40.70	8.24	49.50	0.00	48.14	54.00	5.86



Measurement Uncertainty (Horizontal) : 5.33 dB (The confidential level is about 95%, *k* =2)
Measurement Uncertainty (Vertical) : 5.35 dB (The confidential level is about 95%, *k*=2)

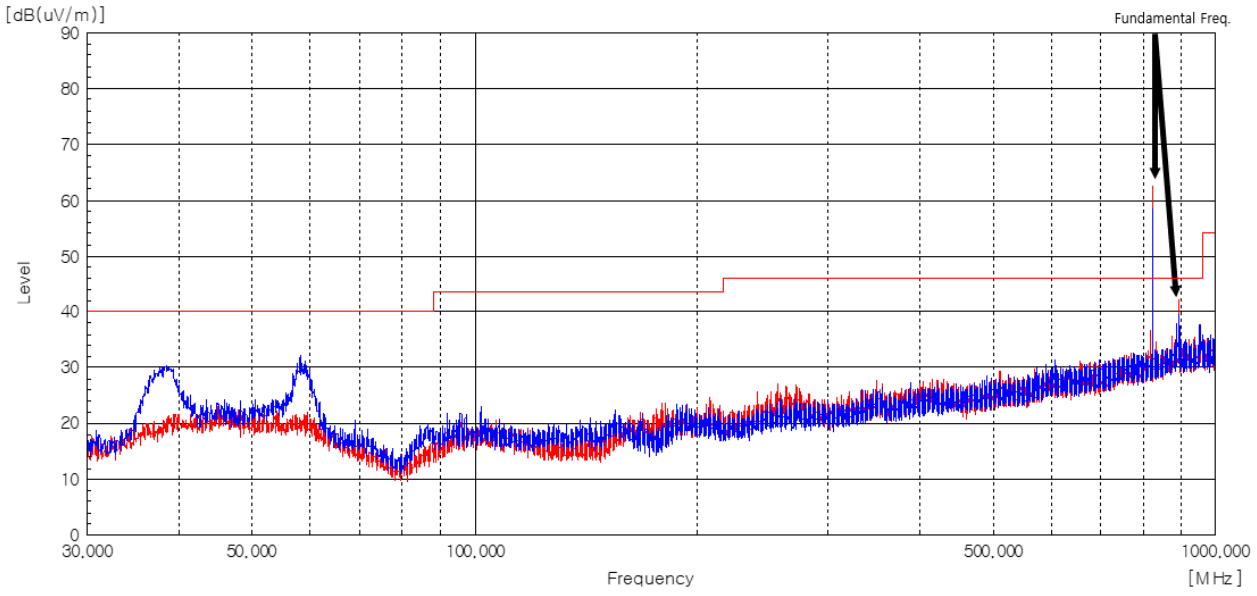
Note: • AF = Antenna Factor • CL = Cable Loss • F/S = Field Strength
• Pol.(H) = Horizontal • Pol.(V) = Vertical • Amp. = Amplifier Gain
• Margin = Limit – F/S • F/S = Level + AF + CL – Amp.
• A : Angle • H : Height

Radiated Emission Test_ Licensed Band Rx Mode

- Below 1 ㎓ (3 m method)

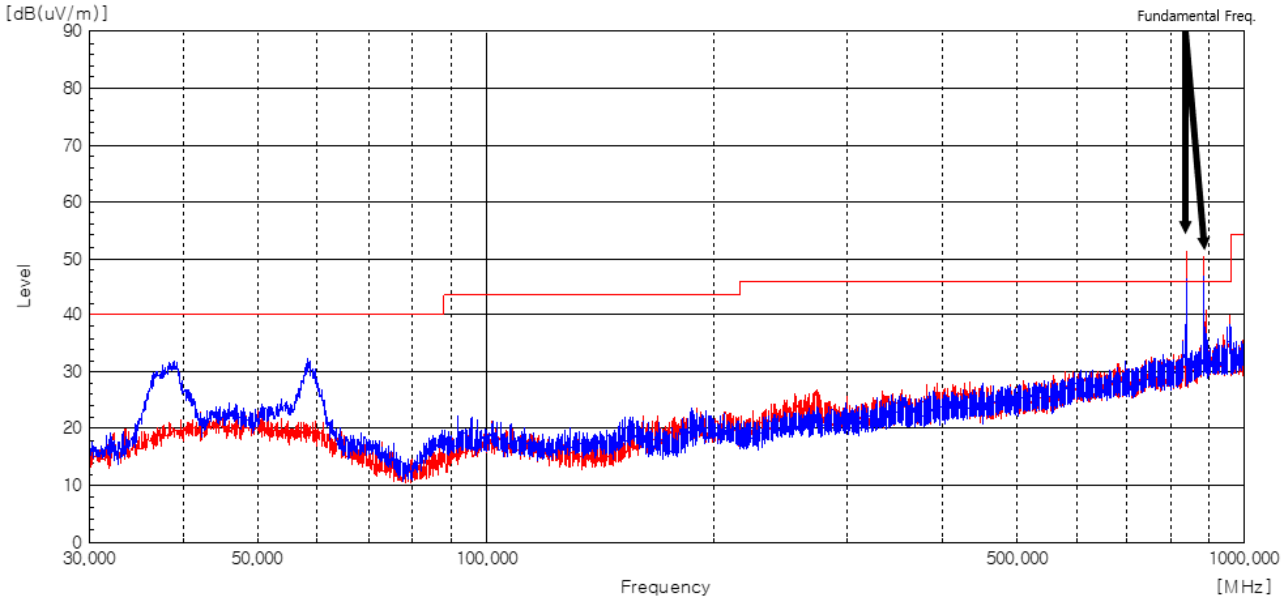
1) Test Mode : GSM 850 (Low Channel)

Freq. (㎒)	Reading (dB㎶)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
38.29	35.70	V	239	100	18.20	0.65	28.10	26.45	40.00	13.55
45.04	27.30	H	224	100	19.88	0.72	28.10	19.80	40.00	20.20
50.61	28.70	V	356	100	19.69	0.77	28.10	21.06	40.00	18.94
58.13	37.90	V	270	100	18.79	0.96	28.08	29.57	40.00	10.43
413.55	29.20	H	3	100	21.83	2.35	28.21	25.17	46.00	20.83
951.70	31.20	V	149	100	28.67	3.82	28.10	35.59	46.00	10.41



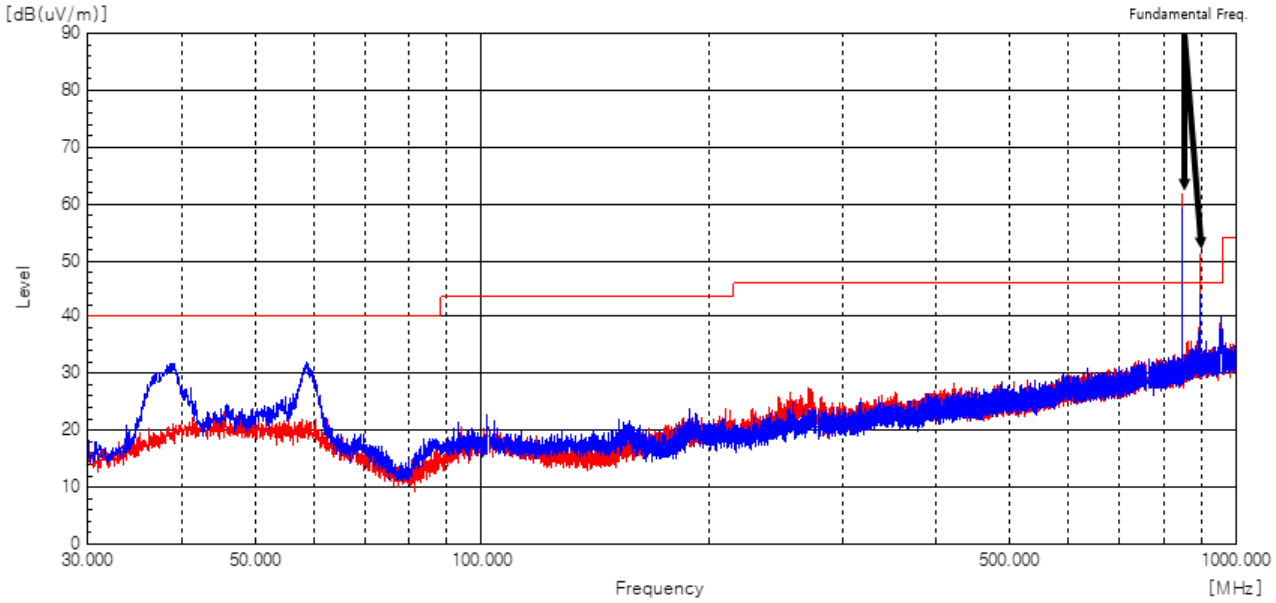
2) Test Mode : GSM 850 (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.89	36.90	V	324	100	18.42	0.67	28.10	27.89	40.00	12.11
50.57	27.70	H	1	200	19.69	0.76	28.10	20.05	40.00	19.95
58.17	28.20	V	272	200	18.79	0.96	28.08	19.87	40.00	20.13
266.76	27.90	V	293	100	18.82	1.70	27.40	21.02	46.00	24.98
953.36	32.10	V	85	100	28.68	3.83	28.09	36.52	46.00	9.48
955.91	32.70	H	285	100	28.69	3.83	28.09	37.13	46.00	8.87



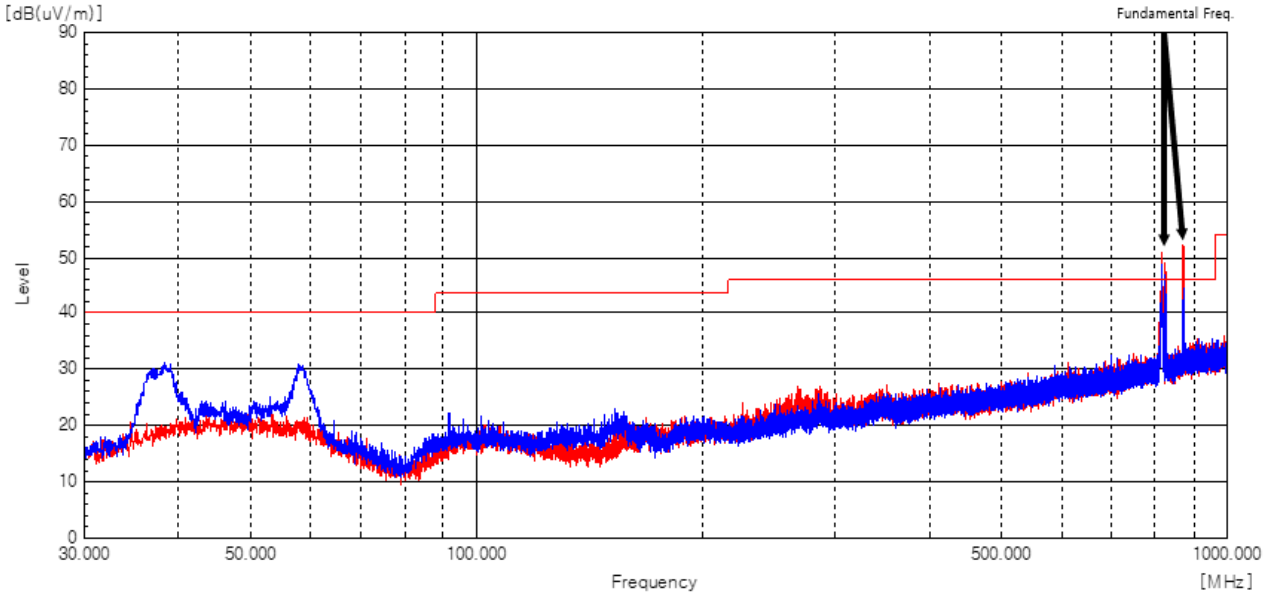
3) Test Mode : GSM 850 (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.93	36.90	V	256	100	18.43	0.67	28.10	27.90	40.00	12.10
53.48	29.70	V	256	100	19.35	0.84	28.09	21.80	40.00	18.20
58.49	37.90	V	209	200	18.75	0.97	28.08	29.54	40.00	10.46
188.35	30.80	V	209	200	16.09	1.50	27.65	20.74	43.50	22.76
272.02	31.80	H	357	100	18.89	1.73	27.38	25.04	46.00	20.96
955.38	33.70	V	80	100	28.69	3.83	28.09	38.13	46.00	7.87



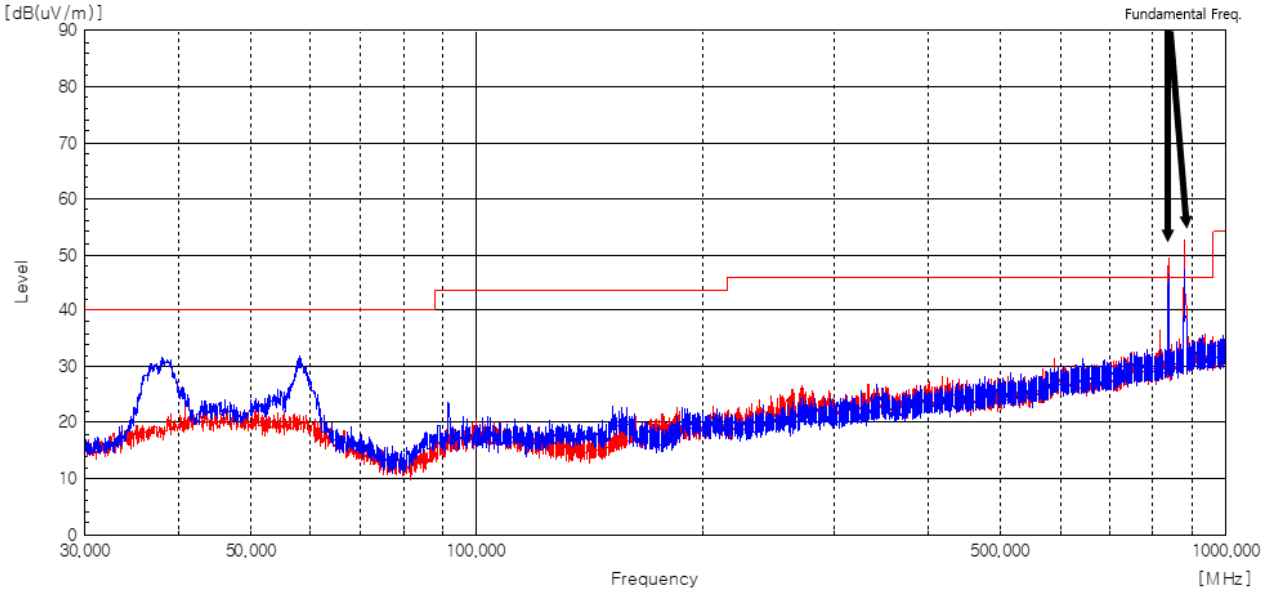
4) Test Mode : WCDMA 5 RMC (Low Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.29	37.00	V	327	100	18.20	0.65	28.10	27.75	40.00	12.25
43.10	28.70	V	4	100	19.48	0.71	28.10	20.79	40.00	19.21
57.77	36.90	V	163	200	18.84	0.95	28.08	28.61	40.00	11.39
267.45	31.20	H	358	100	18.83	1.70	27.40	24.33	46.00	21.67
284.38	29.40	V	254	100	19.05	1.80	27.35	22.90	46.00	23.10
477.37	28.50	V	41	100	22.86	2.68	28.66	25.38	46.00	20.62



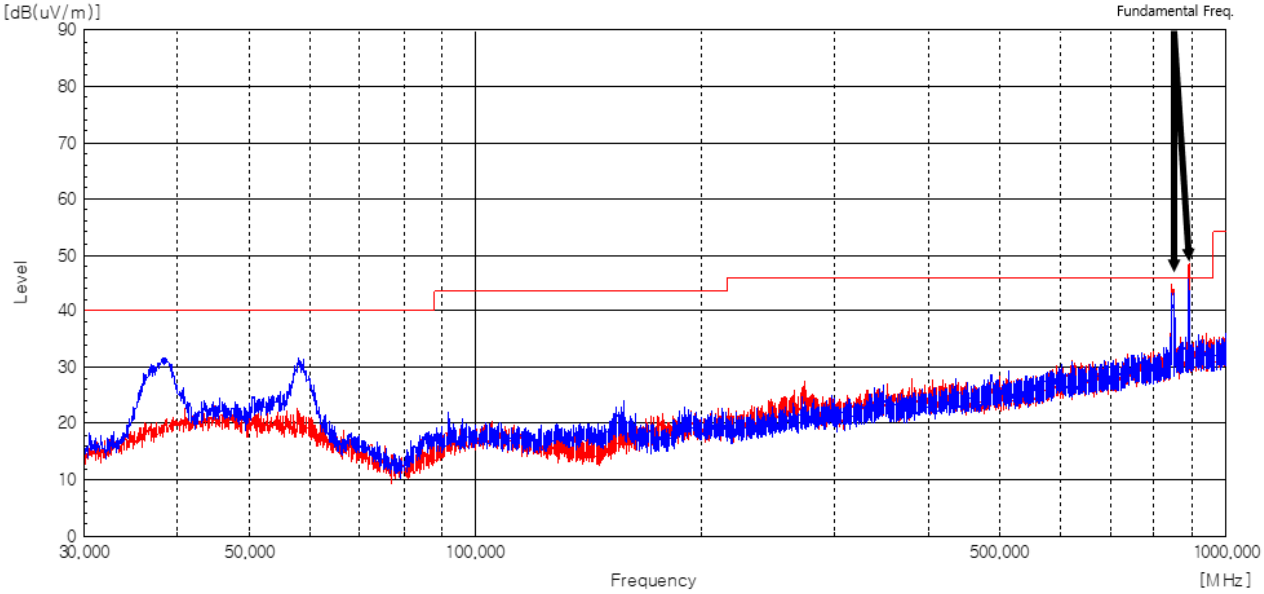
5) Test Mode : WCDMA 5 RMC (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.16	37.10	V	320	200	18.16	0.65	28.10	27.81	40.00	12.19
53.04	29.80	V	298	200	19.40	0.83	28.09	21.94	40.00	18.06
58.09	37.70	V	298	100	18.80	0.96	28.08	29.38	40.00	10.62
91.92	32.20	V	130	100	16.45	0.97	28.02	21.60	43.50	21.90
272.54	28.60	V	298	200	18.90	1.73	27.38	21.85	46.00	24.15
418.40	29.30	H	267	100	21.91	2.39	28.25	25.35	46.00	20.65



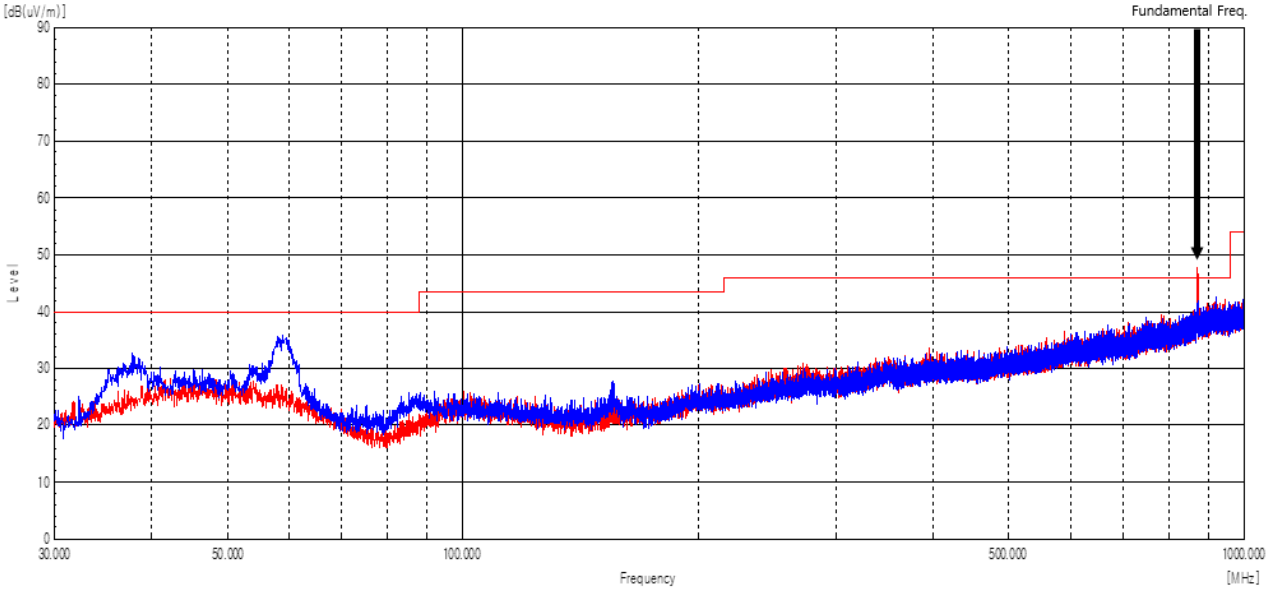
6) Test Mode : WCDMA 5 RMC (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.25	38.90	V	347	100	18.18	0.65	28.10	29.63	40.00	10.37
50.33	30.20	V	132	100	19.72	0.76	28.10	22.58	40.00	17.42
57.89	38.30	V	245	100	18.82	0.96	28.08	30.00	40.00	10.00
91.88	31.80	V	84	100	16.45	0.97	28.02	21.20	43.50	22.30
157.27	34.30	V	235	100	14.15	1.30	27.77	21.98	43.50	21.52
380.70	30.90	H	217	100	21.16	2.30	27.91	26.45	46.00	19.55



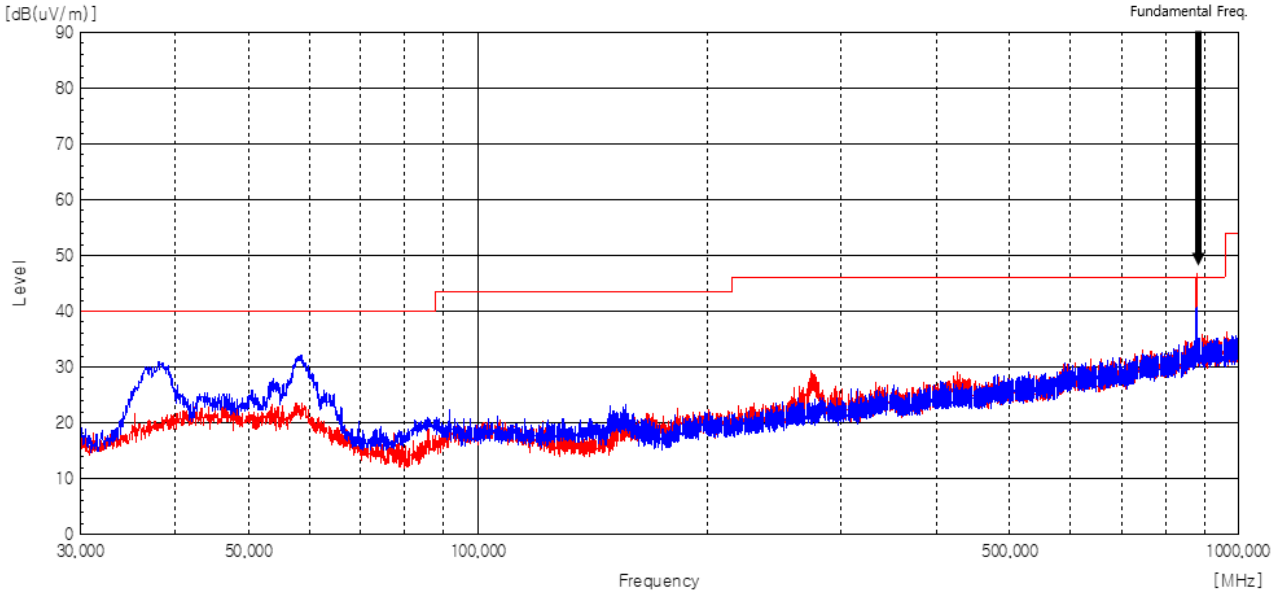
7) Test Mode : LTE Band 5 (Low Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37.72	35.70	V	359	100	17.99	0.64	28.10	26.23	40.00	13.77
58.94	40.90	V	337	100	18.70	0.98	28.08	32.50	40.00	7.50
155.33	32.80	V	287	100	14.11	1.28	27.78	20.41	43.50	23.09
331.91	31.50	H	215	202	20.01	2.00	27.49	26.02	46.00	19.98
395.57	32.90	H	5	100	21.51	2.28	28.06	28.63	46.00	17.37
713.93	32.90	V	250	100	25.91	3.50	28.76	33.55	46.00	12.45



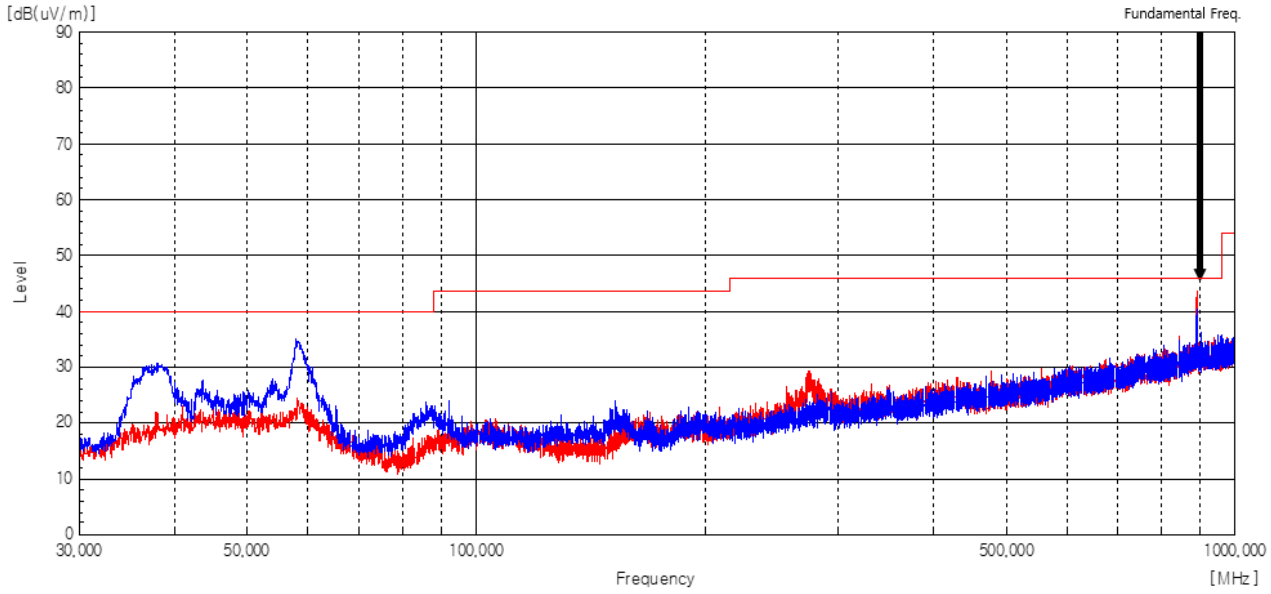
8) Test Mode : LTE Band 5 (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.12	36.90	V	3	100	18.14	0.65	28.10	27.59	40.00	12.41
57.93	29.40	H	355	100	18.82	0.96	28.08	21.10	40.00	18.90
58.70	37.30	V	252	200	18.73	0.98	28.08	28.93	40.00	11.07
273.92	33.30	H	358	100	18.92	1.75	27.38	26.59	46.00	19.41
351.84	28.40	V	240	200	20.48	2.12	27.62	23.38	46.00	22.62
696.27	28.80	V	169	200	25.69	3.46	28.81	29.14	46.00	16.86



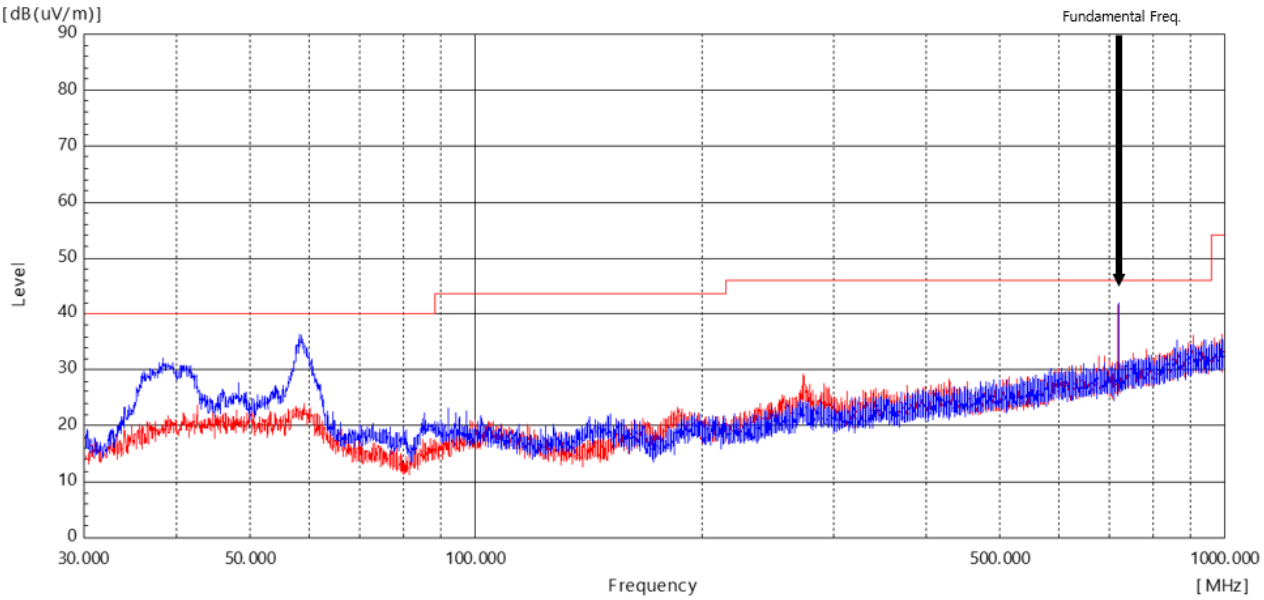
9) Test Mode : LTE Band 5 (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.04	36.30	V	252	100	18.11	0.65	28.10	26.96	40.00	13.04
57.85	40.50	V	2	100	18.83	0.95	28.08	32.20	40.00	7.80
58.09	30.30	H	161	200	18.80	0.96	28.08	21.98	40.00	18.02
91.92	32.40	V	2	100	16.45	0.97	28.02	21.80	43.50	21.70
152.26	33.50	V	252	100	14.04	1.26	27.79	21.01	43.50	22.49
275.01	33.20	H	357	100	18.93	1.76	27.37	26.52	46.00	19.48



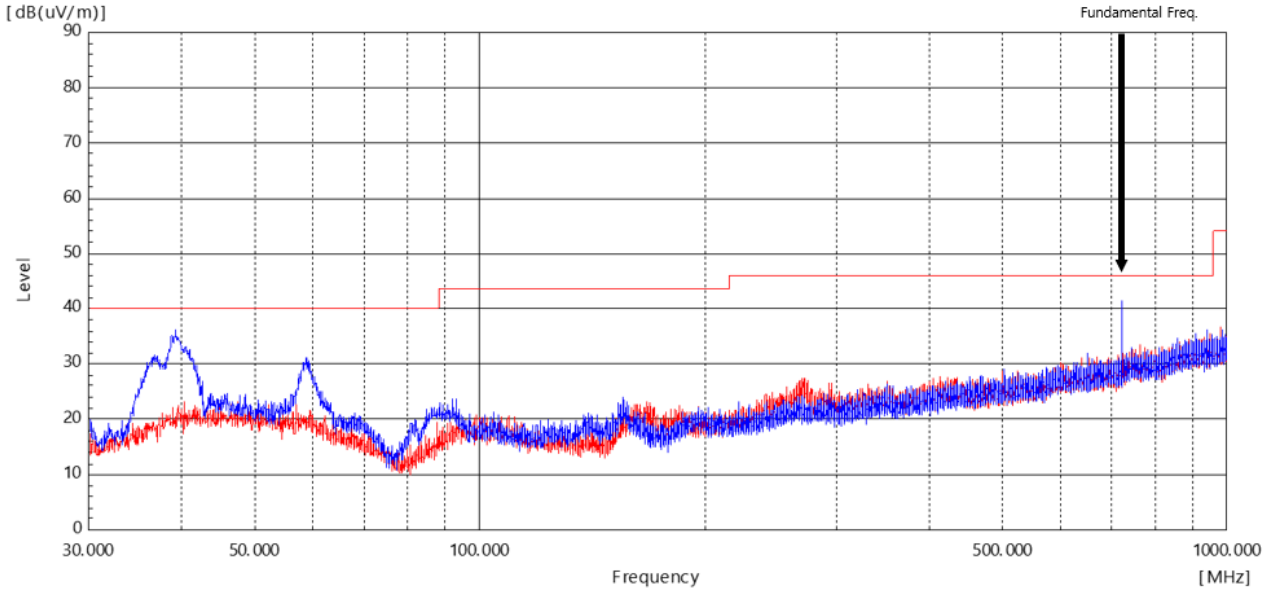
10) Test Mode : LTE Band 12 (Low Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.29	37.40	V	3	200	18.20	0.65	28.10	28.15	40.00	11.85
40.31	35.50	V	227	100	18.88	0.69	28.10	26.97	40.00	13.03
58.25	42.20	V	217	100	18.78	0.96	28.08	33.86	40.00	6.14
58.94	30.00	H	201	100	18.70	0.98	28.08	21.60	40.00	18.40
273.43	33.10	H	358	100	18.91	1.74	27.38	26.37	46.00	19.63
434.69	28.10	V	285	100	22.17	2.47	28.38	24.36	46.00	21.64



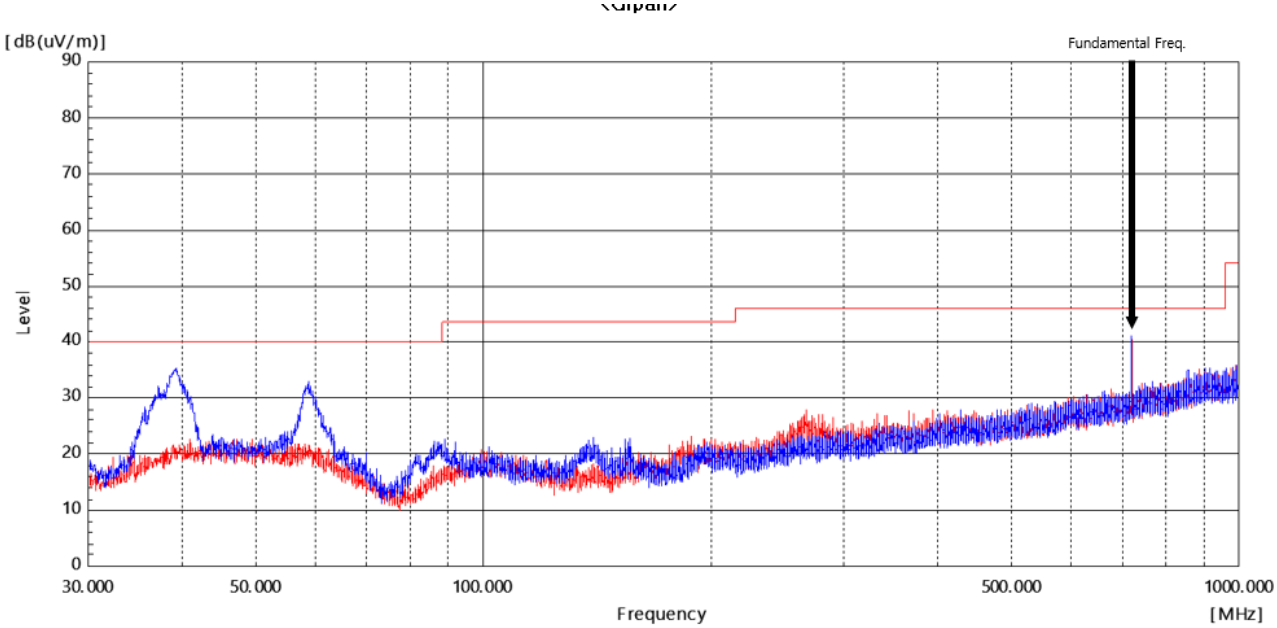
11) Test Mode : LTE Band 12 (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
36.67	37.70	V	5	100	17.61	0.62	28.10	27.83	40.00	12.17
39.22	41.10	V	265	100	18.54	0.67	28.10	32.21	40.00	7.79
47.50	27.10	H	223	200	19.82	0.73	28.10	19.55	40.00	20.45
58.74	37.30	V	243	200	18.72	0.98	28.08	28.92	40.00	11.08
91.92	32.30	V	67	200	16.45	0.97	28.02	21.70	43.50	21.80
269.87	31.60	H	355	100	18.86	1.71	27.39	24.78	46.00	21.22



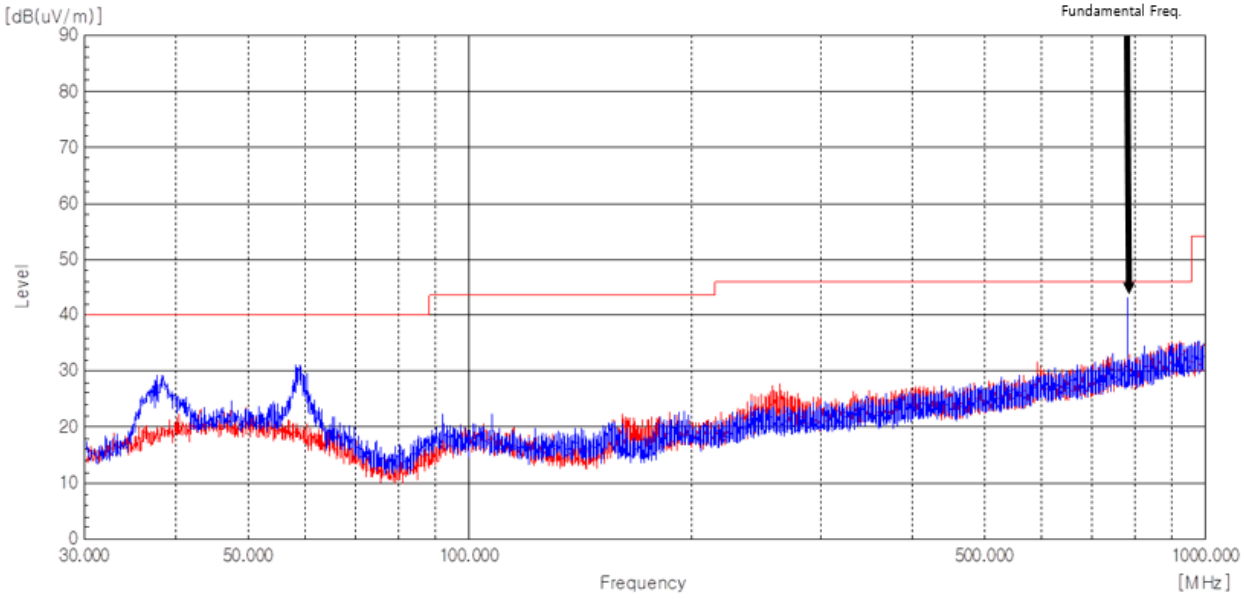
12) Test Mode : LTE Band 12 (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
39.13	40.20	V	1	100	18.51	0.67	28.10	31.28	40.00	8.72
58.86	39.10	V	290	100	18.71	0.98	28.08	30.71	40.00	9.29
89.09	32.10	V	200	100	15.76	0.95	28.02	20.79	43.50	22.71
140.10	32.70	V	63	100	13.77	1.24	27.84	19.87	43.50	23.63
156.14	32.40	V	231	100	14.13	1.29	27.78	20.04	43.50	23.46
267.45	32.10	H	359	100	18.83	1.70	27.40	25.23	46.00	20.77



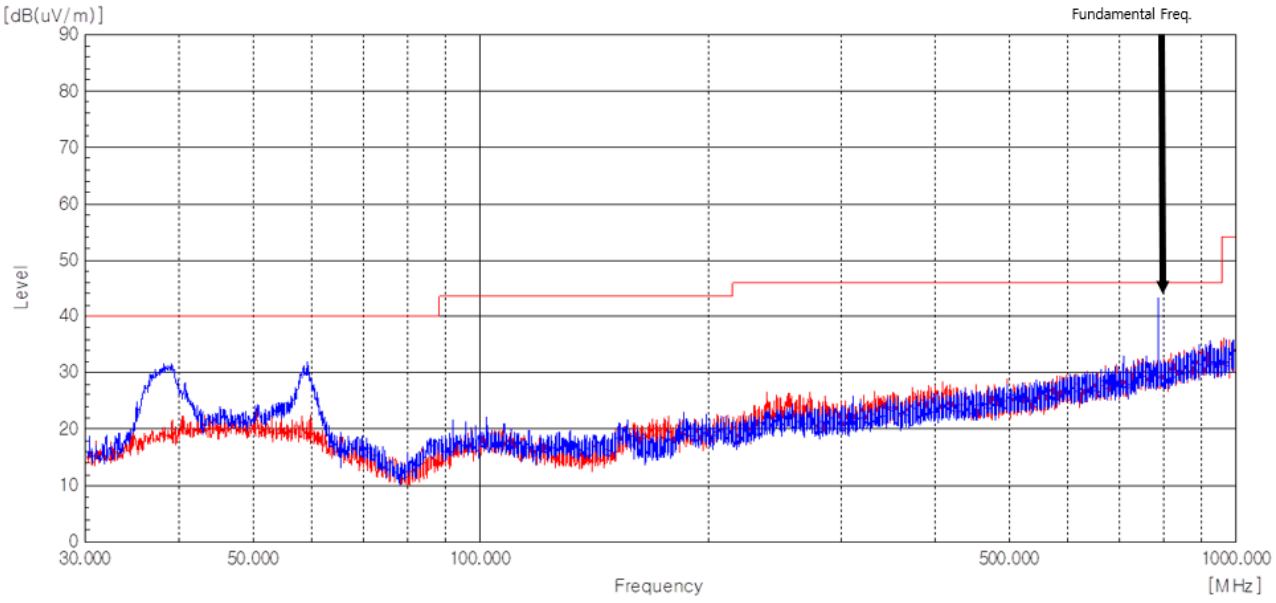
13) Test Mode : LTE Band 13 (Low Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.37	34.60	V	312	100	18.23	0.66	28.10	25.39	40.00	14.61
47.62	28.70	V	2	100	19.82	0.74	28.10	21.16	40.00	18.84
58.78	37.20	V	299	100	18.72	0.98	28.08	28.82	40.00	11.18
107.64	29.80	V	6	100	16.91	1.14	27.97	19.88	43.50	23.62
193.12	29.10	V	299	100	16.52	1.53	27.63	19.52	43.50	23.98
264.01	31.40	H	356	100	18.78	1.69	27.41	24.46	46.00	21.54



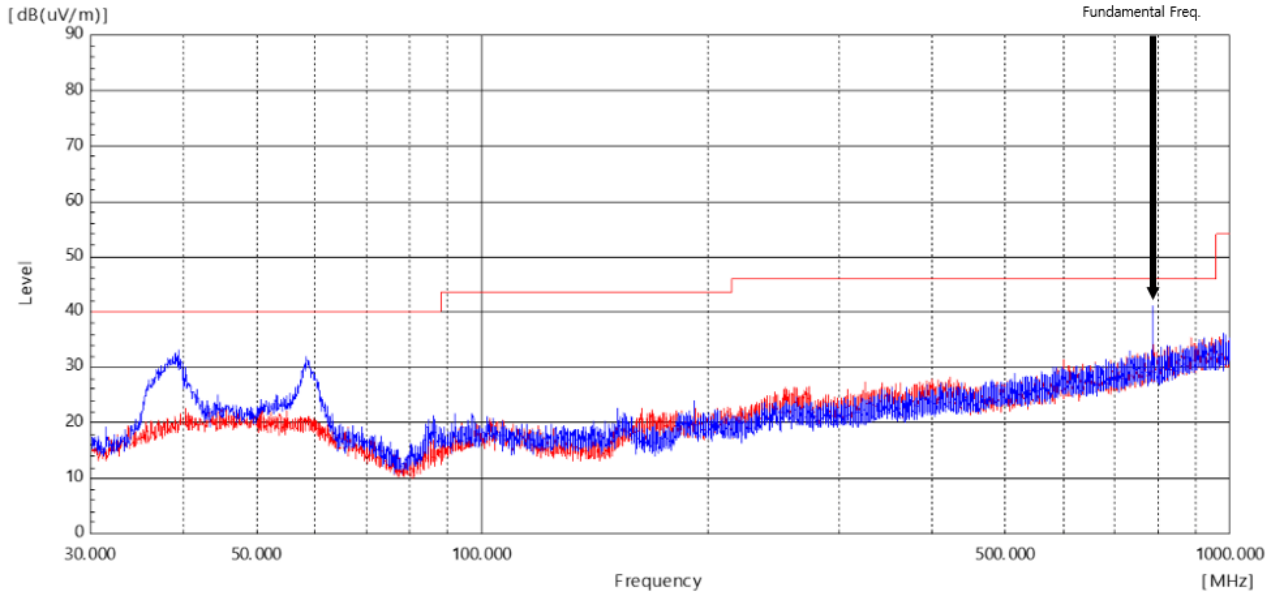
14) Test Mode : LTE Band 13 (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37.07	36.50	V	3	100	17.76	0.63	28.10	26.79	40.00	13.21
39.09	36.50	V	2	200	18.49	0.67	28.10	27.56	40.00	12.44
40.59	32.80	V	3	100	18.94	0.69	28.10	24.33	40.00	15.67
59.18	37.90	V	225	100	18.67	0.99	28.08	29.48	40.00	10.52
186.05	30.40	V	274	100	15.88	1.48	27.66	20.10	43.50	23.40
239.44	31.50	H	359	100	18.29	1.62	27.48	23.93	46.00	22.07



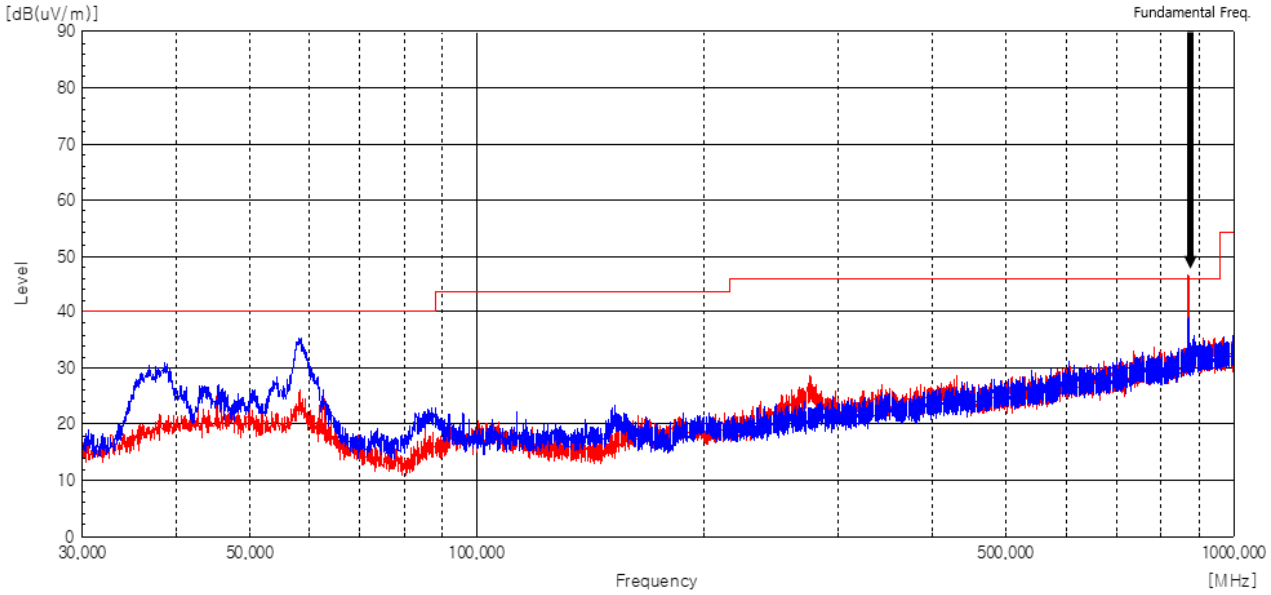
15) Test Mode : LTE Band 13 (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
39.34	38.00	V	1	100	18.58	0.68	28.10	29.16	40.00	10.84
45.60	26.90	H	358	100	19.87	0.72	28.10	19.39	40.00	20.61
58.25	37.80	V	210	200	18.78	0.96	28.08	29.46	40.00	10.54
97.29	29.10	V	151	100	17.45	1.05	28.01	19.59	43.50	23.91
192.03	30.80	V	124	100	16.42	1.52	27.63	21.11	43.50	22.39
263.41	30.70	H	356	100	18.78	1.69	27.41	23.76	46.00	22.24



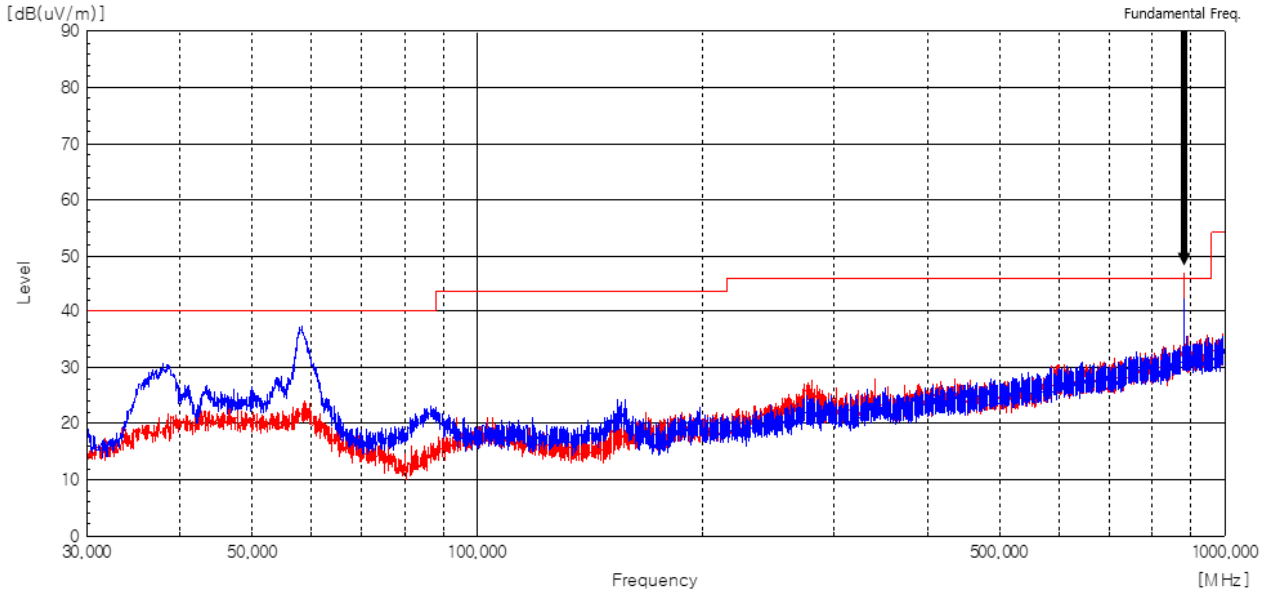
16) Test Mode : LTE Band 26 (Low Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.57	36.20	V	288	100	18.30	0.66	28.10	27.06	40.00	12.94
56.64	34.10	V	356	100	18.97	0.92	28.09	25.90	40.00	14.10
58.13	31.80	H	278	100	18.79	0.96	28.08	23.47	40.00	16.53
58.49	40.40	V	356	100	18.75	0.97	28.08	32.04	40.00	7.96
87.11	33.10	V	359	200	15.01	0.97	28.03	21.05	40.00	18.95
274.93	32.80	H	156	200	18.93	1.75	27.38	26.10	46.00	19.90



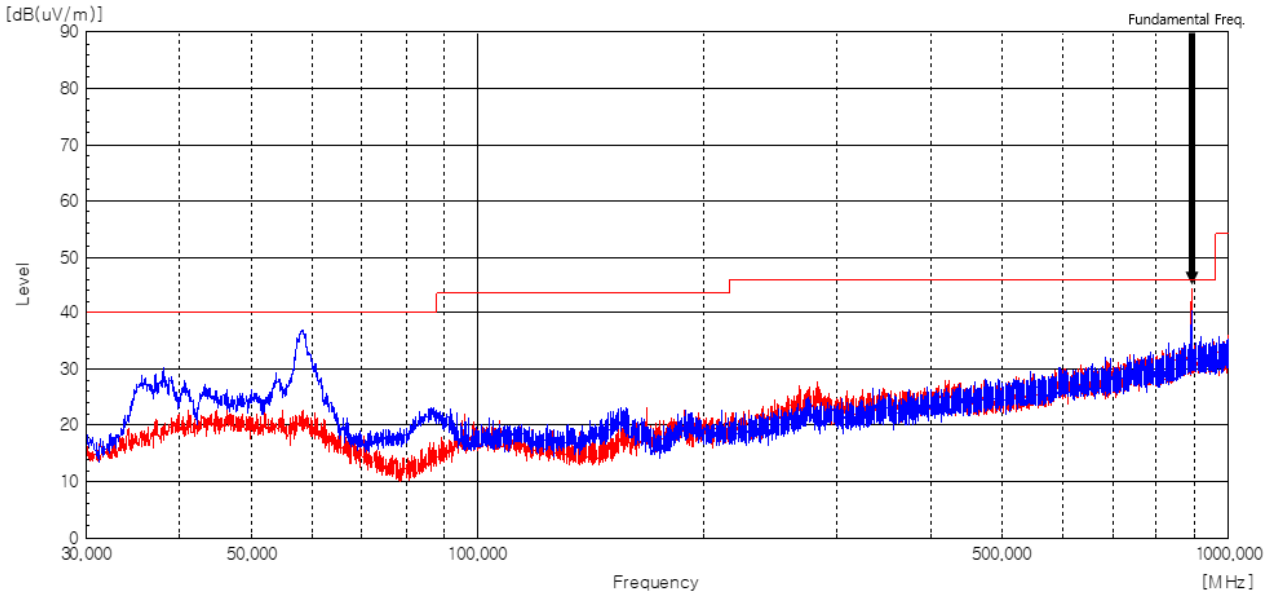
17) Test Mode : LTE Band 26 (Middle Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37.92	35.70	V	357	100	18.07	0.65	28.10	26.32	40.00	13.68
56.64	34.00	V	234	100	18.97	0.92	28.09	25.80	40.00	14.20
58.13	42.20	V	270	100	18.79	0.96	28.08	33.87	40.00	6.13
86.66	32.50	V	162	100	14.85	0.98	28.03	20.30	40.00	19.70
157.47	32.60	V	258	100	14.15	1.30	27.77	20.28	43.50	23.22
279.98	30.50	H	2	100	19.00	1.80	27.36	23.94	46.00	22.06



18) Test Mode : LTE Band 26 (High Channel)

Freq. (MHz)	Reading (dBμV)	Pol. (H/V)	A (°)	H (cm)	AF (dB/m)	CL (dB)	Amp. (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.04	34.80	V	30	100	18.11	0.65	28.10	25.46	40.00	14.54
43.22	30.50	V	30	200	19.50	0.71	28.10	22.61	40.00	17.39
53.89	33.40	V	187	100	19.30	0.85	28.09	25.46	40.00	14.54
58.25	41.90	V	199	100	18.78	0.96	28.08	33.56	40.00	6.44
154.97	31.60	V	257	200	14.10	1.28	27.78	19.20	43.50	24.30
283.41	30.30	H	359	100	19.04	1.80	27.35	23.79	46.00	22.21



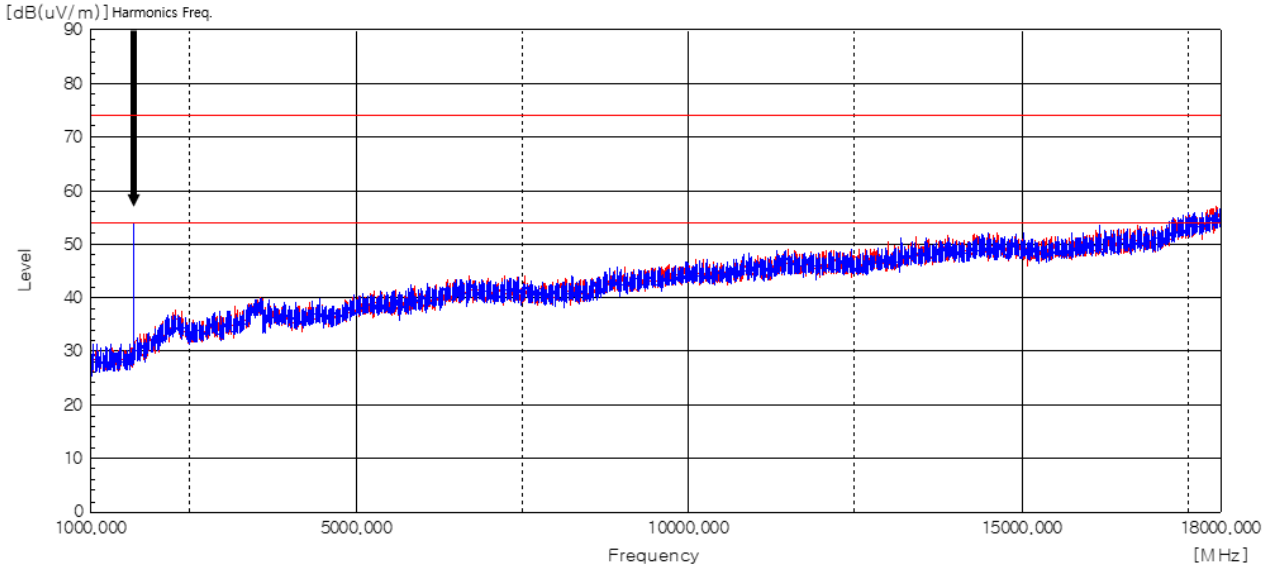
Measurement Uncertainty (Horizontal) : 5.01 dB (The confidential level is about 95%, *k*=2)
Measurement Uncertainty (Vertical) : 5.38 dB (The confidential level is about 95%, *k*=2)

Note: • AF = Antenna Factor • CL = Cable Loss • F/S = Field Strength
• Pol.(H) = Horizontal • Pol.(V) = Vertical • Amp. = Amplifier Gain
• Margin = Limit – F/S • F/S = Level + AF + CL – Amp.
• A : Angle • H : Height

Above 1 ㎓ (3 m method)

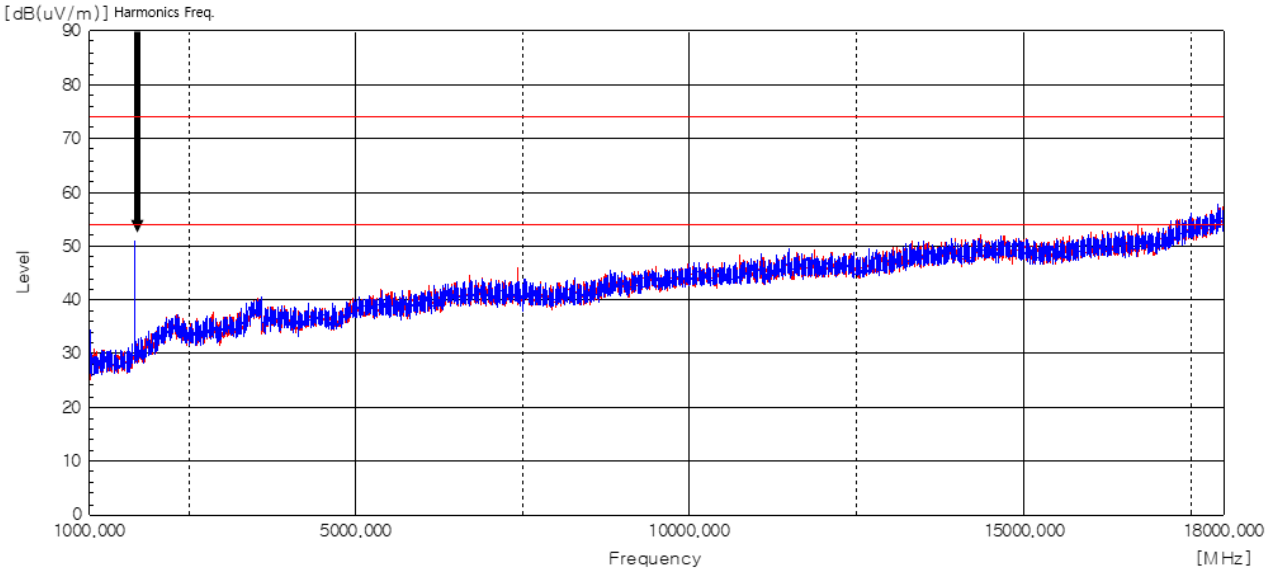
1) Test Mode : GSM 850 (Low Channel)

Freq. (㎒)	Level (dB㎶)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dB㎶/m)	Limit (dB㎶/m)	Margin (dB)
	Peak	C-AV										
16745.54	40.80	-	H	178	100	41.69	17.30	45.30	0.00	54.49	74.00	19.51
16745.54	-	30.60	H	178	100	41.69	17.30	45.30	0.00	44.29	54.00	9.71
16780.25	40.60	-	V	1	100	41.76	17.33	45.31	0.00	54.38	74.00	19.62
16780.25	-	30.50	V	1	100	41.76	17.33	45.31	0.00	44.28	54.00	9.72
17307.96	40.50	-	H	178	200	42.50	18.12	45.52	0.00	55.60	74.00	18.40
17307.96	-	30.80	H	178	200	42.50	18.12	45.52	0.00	45.90	54.00	8.10
17339.83	40.80	-	V	269	200	42.50	18.19	45.54	0.00	55.95	74.00	18.05
17339.83	-	31.10	V	269	200	42.50	18.19	45.54	0.00	46.25	54.00	7.75
17602.62	39.90	-	H	356	100	43.51	18.65	45.64	0.00	56.42	74.00	17.58
17602.62	-	29.70	H	356	100	43.51	18.65	45.64	0.00	46.22	54.00	7.78
17718.79	39.90	-	V	14	100	43.74	18.79	45.69	0.00	56.74	74.00	17.26
17718.79	-	30.00	V	14	100	43.74	18.79	45.69	0.00	46.84	54.00	7.16



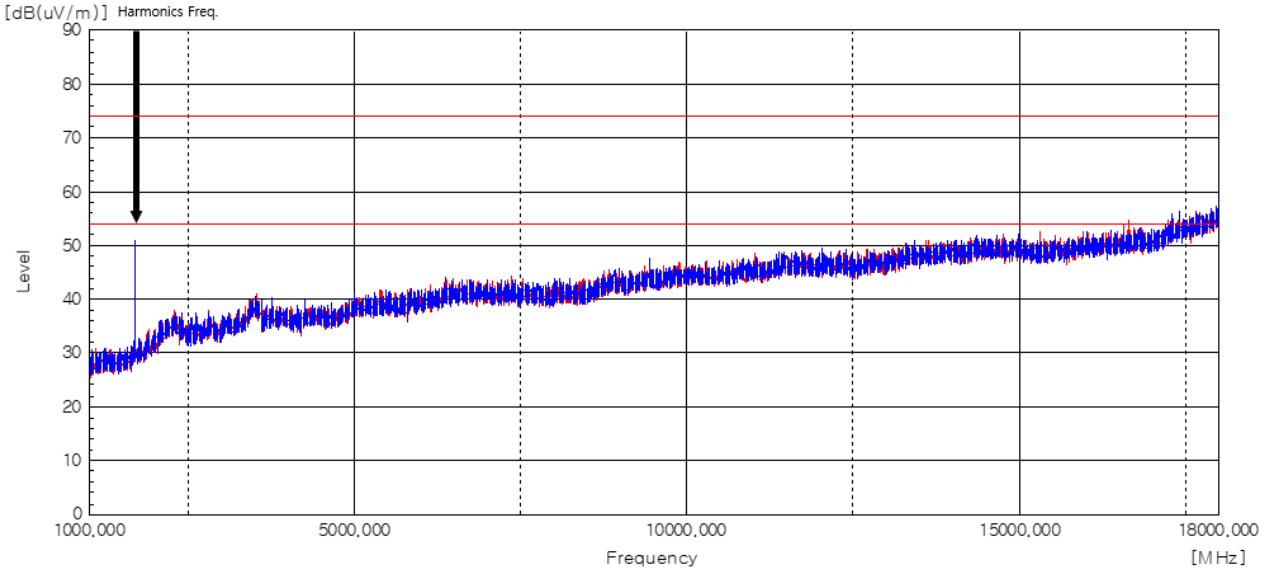
2) Test Mode : GSM 850 (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16006.04	40.50	-	H	355	100	40.61	16.97	45.00	0.00	53.08	74.00	20.92
16006.04	-	30.60	H	355	100	40.61	16.97	45.00	0.00	43.18	54.00	10.82
16251.83	40.40	-	V	157	100	41.01	17.05	45.10	0.00	53.36	74.00	20.64
16251.83	-	30.70	V	157	100	41.01	17.05	45.10	0.00	43.66	54.00	10.34
16479.21	40.20	-	V	189	100	41.40	17.12	45.19	0.00	53.53	74.00	20.47
16479.21	-	30.90	V	189	100	41.40	17.12	45.19	0.00	44.23	54.00	9.77
16707.29	41.20	-	H	118	100	41.61	17.28	45.28	0.00	54.81	74.00	19.19
16707.29	-	30.90	H	118	100	41.61	17.28	45.28	0.00	44.51	54.00	9.49
17501.33	40.70	-	V	286	100	43.20	18.52	45.60	0.00	56.82	74.00	17.18
17501.33	-	31.00	V	286	100	43.20	18.52	45.60	0.00	47.12	54.00	6.88
17593.42	39.60	-	H	341	100	43.47	18.64	45.64	0.00	56.07	74.00	17.93
17593.42	-	30.30	H	341	100	43.47	18.64	45.64	0.00	46.77	54.00	7.23



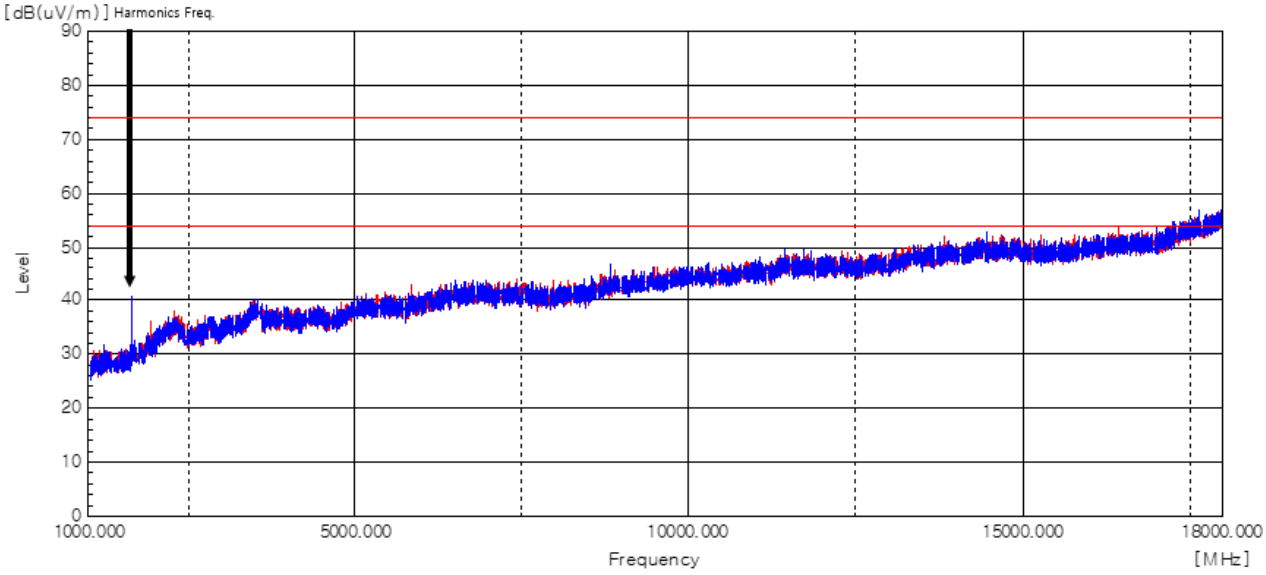
3) Test Mode : GSM 850 (High Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16378.62	40.10	-	V	180	100	41.40	17.09	45.15	0.00	53.44	74.00	20.56
16378.62	-	30.70	V	180	100	41.40	17.09	45.15	0.00	44.04	54.00	9.96
16656.29	42.10	-	H	84	100	41.60	17.24	45.26	0.00	55.68	74.00	18.32
16656.29	-	30.80	H	84	100	41.60	17.24	45.26	0.00	44.38	54.00	9.62
16797.96	40.50	-	V	25	100	41.80	17.34	45.32	0.00	54.32	74.00	19.68
16797.96	-	31.40	V	25	100	41.80	17.34	45.32	0.00	45.22	54.00	8.78
17268.29	40.40	-	V	3	200	42.37	18.04	45.51	0.00	55.30	74.00	18.70
17268.29	-	31.50	V	3	200	42.37	18.04	45.51	0.00	46.40	54.00	7.60
17424.83	40.00	-	H	348	100	42.80	18.36	45.57	0.00	55.59	74.00	18.41
17424.83	-	29.80	H	348	100	42.80	18.36	45.57	0.00	45.39	54.00	8.61
17645.83	40.40	-	V	128	200	43.68	18.70	45.66	0.00	57.12	74.00	16.88
17645.83	-	30.40	V	128	200	43.68	18.70	45.66	0.00	47.12	54.00	6.88



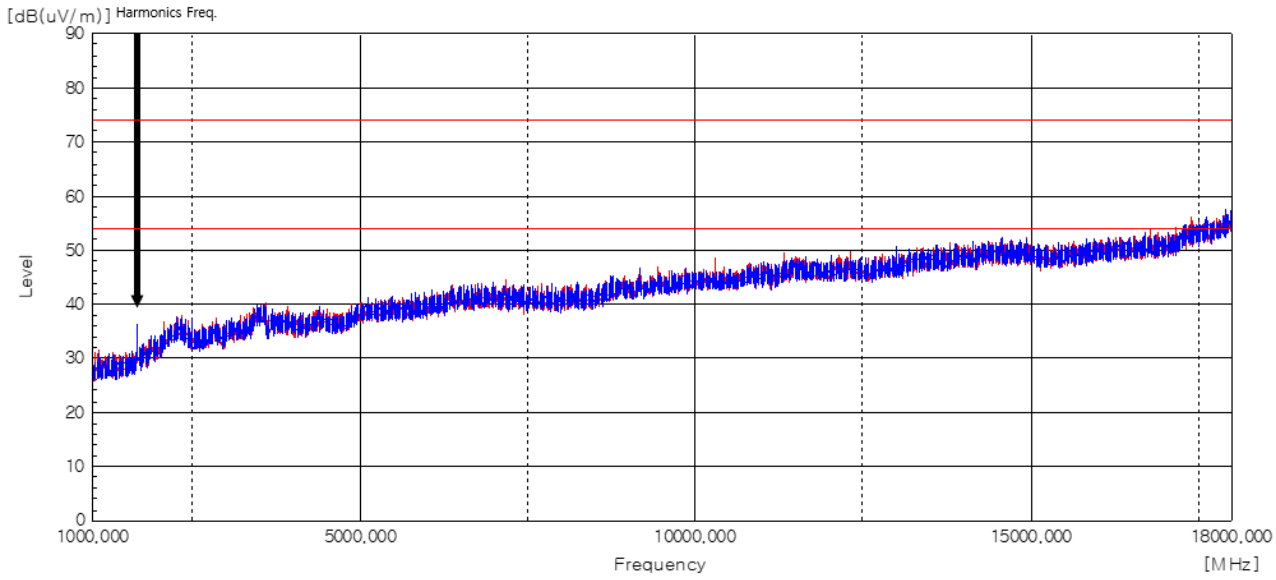
4) Test Mode : WCDMA 5 RMC (Low Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
15780.79	40.40	-	H	279	100	40.30	16.75	44.80	0.00	52.65	74.00	21.35
15780.79	-	30.30	H	279	100	40.30	16.75	44.80	0.00	42.55	54.00	11.45
16118.67	40.20	-	V	122	100	40.80	17.01	45.05	0.00	52.96	74.00	21.04
16118.67	-	31.40	V	122	100	40.80	17.01	45.05	0.00	44.16	54.00	9.84
16425.37	41.10	-	H	358	100	41.40	17.11	45.17	0.00	54.44	74.00	19.56
16425.37	-	30.70	H	358	100	41.40	17.11	45.17	0.00	44.04	54.00	9.96
16987.79	40.50	-	V	195	100	41.90	17.47	45.40	0.00	54.47	74.00	19.53
16987.79	-	30.70	V	195	100	41.90	17.47	45.40	0.00	44.67	54.00	9.33
17532.50	39.90	-	V	20	100	43.26	18.56	45.61	0.00	56.11	74.00	17.89
17532.50	-	29.30	V	20	100	43.26	18.56	45.61	0.00	45.51	54.00	8.49
17716.66	39.40	-	H	155	100	43.73	18.79	45.69	0.00	56.23	74.00	17.77
17716.66	-	30.50	H	155	100	43.73	18.79	45.69	0.00	47.33	54.00	6.67



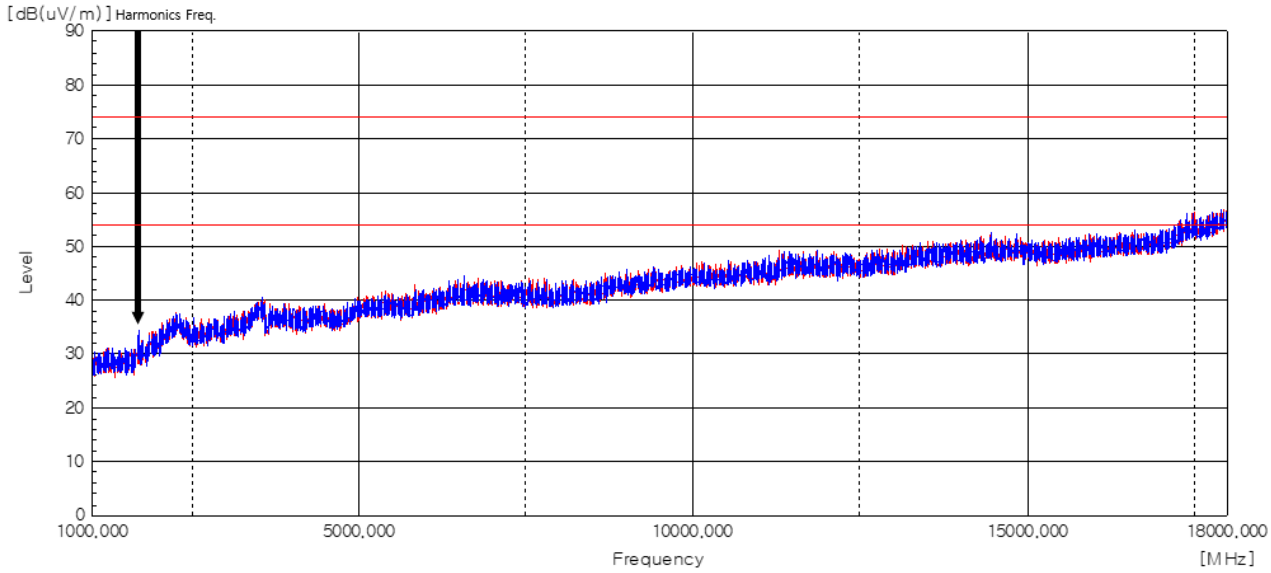
5) Test Mode : WCDMA 5 RMC (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16725.71	40.30	-	V	231	100	41.65	17.29	45.29	0.00	53.95	74.00	20.05
16725.71	-	30.10	V	231	100	41.65	17.29	45.29	0.00	43.75	54.00	10.25
17043.04	40.30	-	V	293	100	41.90	17.57	45.42	0.00	54.35	74.00	19.65
17043.04	-	30.50	V	293	100	41.90	17.57	45.42	0.00	44.55	54.00	9.45
17371.71	40.30	-	V	5	200	42.59	18.25	45.55	0.00	55.59	74.00	18.41
17371.71	-	30.80	V	5	200	42.59	18.25	45.55	0.00	46.09	54.00	7.91
17615.37	40.40	-	V	74	200	43.56	18.66	45.65	0.00	56.97	74.00	17.03
17615.37	-	31.20	V	74	200	43.56	18.66	45.65	0.00	47.77	54.00	6.23
17849.83	39.60	-	V	301	100	44.30	18.95	45.74	0.00	57.11	74.00	16.89
17849.83	-	30.40	V	301	100	44.30	18.95	45.74	0.00	47.91	54.00	6.09
17716.66	39.40	-	H	155	200	43.73	18.79	45.69	0.00	56.23	74.00	17.77
17716.66	-	29.50	H	155	200	43.73	18.79	45.69	0.00	46.33	54.00	7.67



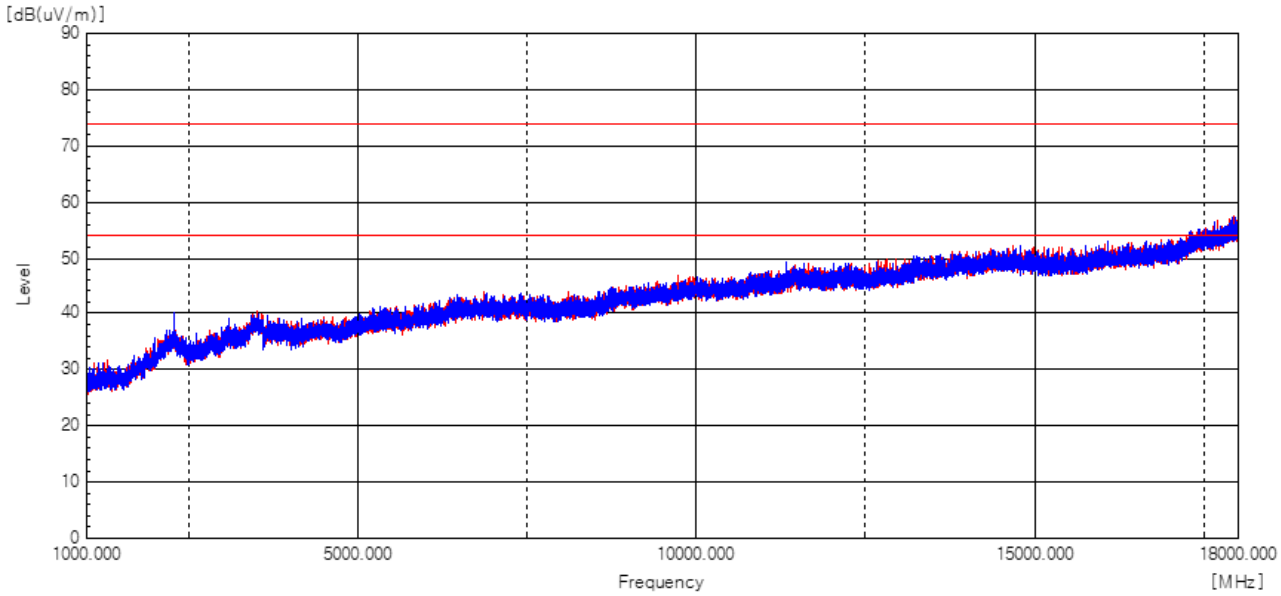
6) Test Mode : WCDMA 5 RMC (High Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16390.67	40.00	-	H	300	200	41.40	17.10	45.16	0.00	53.34	74.00	20.66
16390.67	-	30.60	H	300	200	41.40	17.10	45.16	0.00	43.94	54.00	10.06
16615.92	40.40	-	V	159	100	41.60	17.21	45.25	0.00	53.96	74.00	20.04
16615.92	-	30.10	V	159	100	41.60	17.21	45.25	0.00	43.66	54.00	10.34
17039.50	40.00	-	V	5	100	41.90	17.56	45.42	0.00	54.04	74.00	19.96
17039.50	-	31.20	V	5	100	41.90	17.56	45.42	0.00	45.24	54.00	8.76
17085.54	39.80	-	H	312	100	41.90	17.66	45.43	0.00	53.93	74.00	20.07
17085.54	-	30.10	H	312	100	41.90	17.66	45.43	0.00	44.23	54.00	9.77
17388.71	41.50	-	V	5	100	42.65	18.29	45.56	0.00	56.88	74.00	17.12
17388.71	-	29.10	V	5	100	42.65	18.29	45.56	0.00	44.48	54.00	9.52
17473.00	41.10	-	H	356	100	43.04	18.46	45.59	0.00	57.01	74.00	16.99
17473.00	-	30.20	H	356	100	43.04	18.46	45.59	0.00	46.11	54.00	7.89



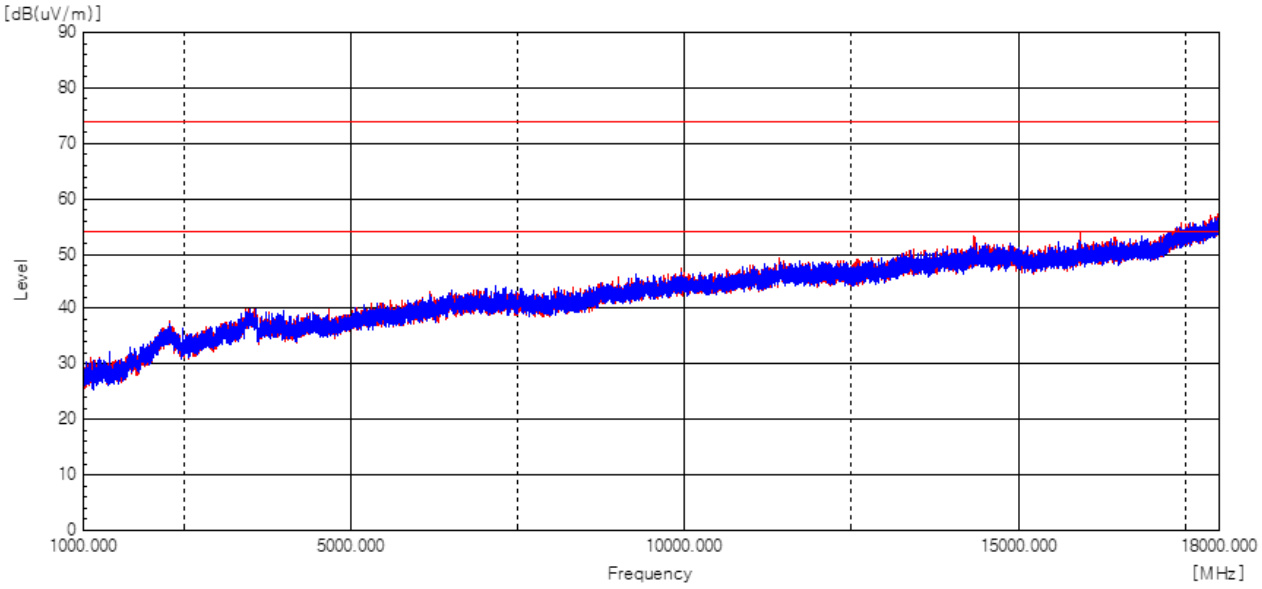
7) Test Mode : LTE Band 5 (Low Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
15865.79	43.50	-	H	59	100	40.33	16.84	44.88	0.00	55.79	74.00	18.21
15865.79	-	30.40	H	59	100	40.33	16.84	44.88	0.00	42.69	54.00	11.31
16073.33	43.40	-	V	235	100	40.75	16.99	45.03	0.00	56.11	74.00	17.89
16073.33	-	30.20	V	235	100	40.75	16.99	45.03	0.00	42.91	54.00	11.09
16642.83	43.20	-	H	225	100	41.60	17.23	45.26	0.00	56.77	74.00	17.23
16642.83	-	30.90	H	225	100	41.60	17.23	45.26	0.00	44.47	54.00	9.53
16834.79	44.40	-	V	3	200	41.73	17.36	45.33	0.00	58.16	74.00	15.84
16834.79	-	30.30	V	3	200	41.73	17.36	45.33	0.00	44.06	54.00	9.94
17269.00	43.70	-	H	314	100	42.38	18.04	45.51	0.00	58.61	74.00	15.39
17269.00	-	30.80	H	314	100	42.38	18.04	45.51	0.00	45.71	54.00	8.29
17758.46	43.90	-	V	189	100	43.83	18.84	45.70	0.00	60.87	74.00	13.13
17758.46	-	29.60	V	189	100	43.83	18.84	45.70	0.00	46.57	54.00	7.43



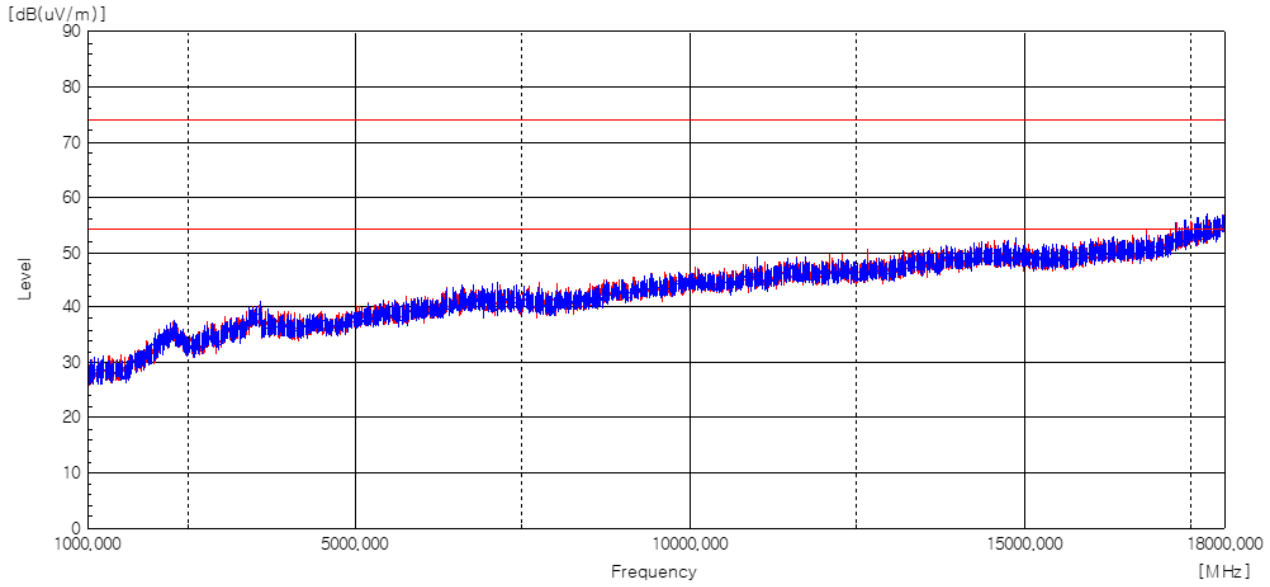
8) Test Mode : LTE Band 5 (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
3232.67	45.50	-	H	192	100	30.59	7.44	45.52	0.00	38.01	74.00	35.99
3232.67	-	32.10	H	192	100	30.59	7.44	45.52	0.00	24.61	54.00	29.39
3512.46	45.80	-	V	158	100	31.18	7.84	45.49	0.00	39.33	74.00	34.67
3512.46	-	32.80	V	158	100	31.18	7.84	45.49	0.00	26.33	54.00	27.67
16345.33	44.30	-	V	21	100	41.39	17.08	45.14	0.00	57.63	74.00	16.37
16345.33	-	29.90	V	21	100	41.39	17.08	45.14	0.00	43.23	54.00	10.77
16611.67	44.90	-	H	100	200	41.60	17.21	45.24	0.00	58.47	74.00	15.53
16611.67	-	29.60	H	100	200	41.60	17.21	45.24	0.00	43.17	54.00	10.83
17473.71	45.40	-	V	6	200	43.04	18.47	45.59	0.00	61.32	74.00	12.68
17473.71	-	30.50	V	6	200	43.04	18.47	45.59	0.00	46.42	54.00	7.58
17569.33	44.20	-	H	292	100	43.38	18.61	45.63	0.00	60.56	74.00	13.44
17569.33	-	30.10	H	292	100	43.38	18.61	45.63	0.00	46.46	54.00	7.54



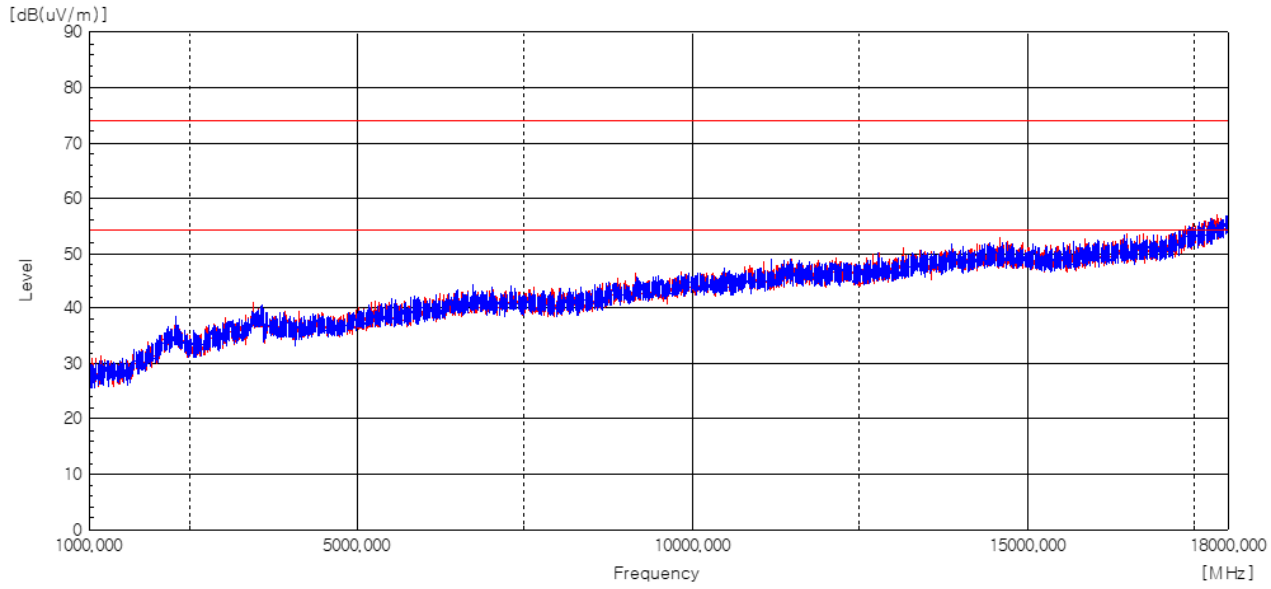
9) Test Mode : LTE Band 5 (High Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16574.12	40.80	-	H	298	100	41.55	17.18	45.23	0.00	54.30	74.00	19.70
16574.12	-	31.50	H	298	100	41.55	17.18	45.23	0.00	45.00	54.00	9.00
16743.42	40.10	-	V	57	100	41.69	17.30	45.30	0.00	53.79	74.00	20.21
16743.42	-	30.90	V	57	100	41.69	17.30	45.30	0.00	44.59	54.00	9.41
17233.58	39.90	-	H	359	100	42.27	17.97	45.49	0.00	54.65	74.00	19.35
17233.58	-	31.80	H	359	100	42.27	17.97	45.49	0.00	46.55	54.00	7.45
17486.46	39.60	-	V	3	100	43.12	18.49	45.59	0.00	55.62	74.00	18.38
17486.46	-	32.80	V	3	100	43.12	18.49	45.59	0.00	48.82	54.00	5.18
17604.04	40.40	-	H	110	100	43.52	18.65	45.64	0.00	56.93	74.00	17.07
17604.04	-	32.20	H	110	100	43.52	18.65	45.64	0.00	48.73	54.00	5.27
17760.58	41.00	-	V	5	100	43.84	18.84	45.70	0.00	57.98	74.00	16.02
17760.58	-	31.70	V	5	100	43.84	18.84	45.70	0.00	48.68	54.00	5.32



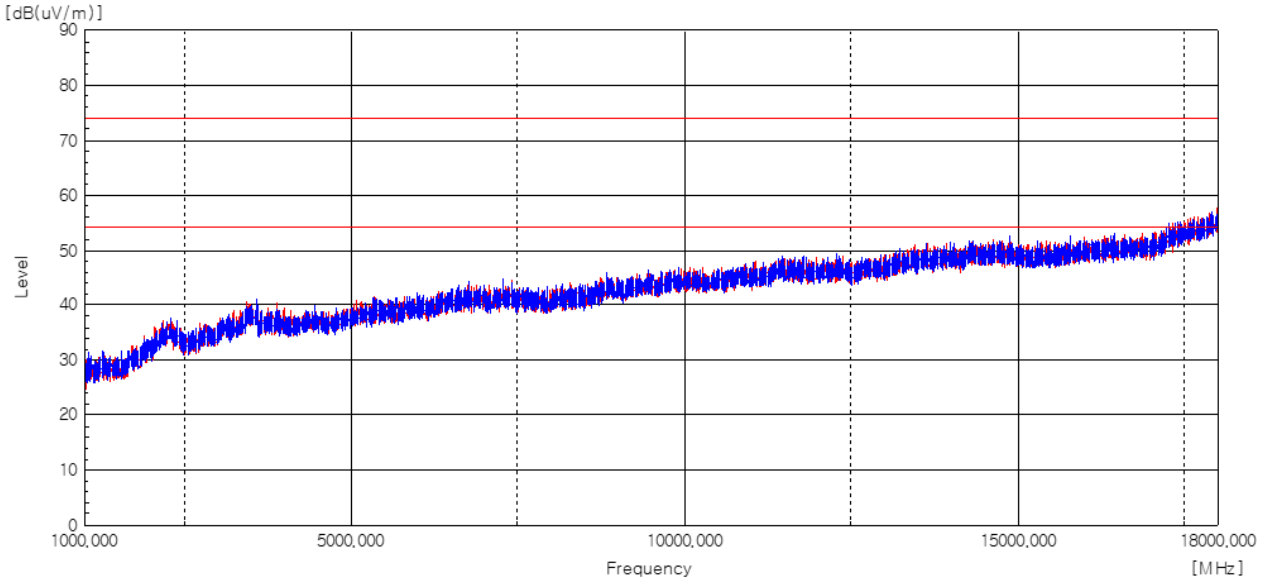
10) Test Mode : LTE Band 12 (Low Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
14595.75	41.00	-	H	12	100	41.11	15.22	44.22	0.00	53.11	74.00	20.89
14595.75	-	30.80	H	12	100	41.11	15.22	44.22	0.00	42.91	54.00	11.09
15863.67	40.60	-	H	98	200	40.33	16.83	44.88	0.00	52.88	74.00	21.12
15863.67	-	30.50	H	98	200	40.33	16.83	44.88	0.00	42.78	54.00	11.22
16053.50	40.50	-	V	32	100	40.71	16.99	45.02	0.00	53.18	74.00	20.82
16053.50	-	30.60	V	32	100	40.71	16.99	45.02	0.00	43.28	54.00	10.72
16438.12	40.80	-	V	94	100	41.40	17.11	45.18	0.00	54.13	74.00	19.87
16438.12	-	31.40	V	94	100	41.40	17.11	45.18	0.00	44.73	54.00	9.27
16736.33	40.80	-	H	148	100	41.67	17.30	45.29	0.00	54.48	74.00	19.52
16736.33	-	34.60	H	148	100	41.67	17.30	45.29	0.00	48.28	54.00	5.72
17647.25	39.60	-	V	32	100	43.69	18.70	45.66	0.00	56.33	74.00	17.67
17647.25	-	30.60	V	32	100	43.69	18.70	45.66	0.00	47.33	54.00	6.67



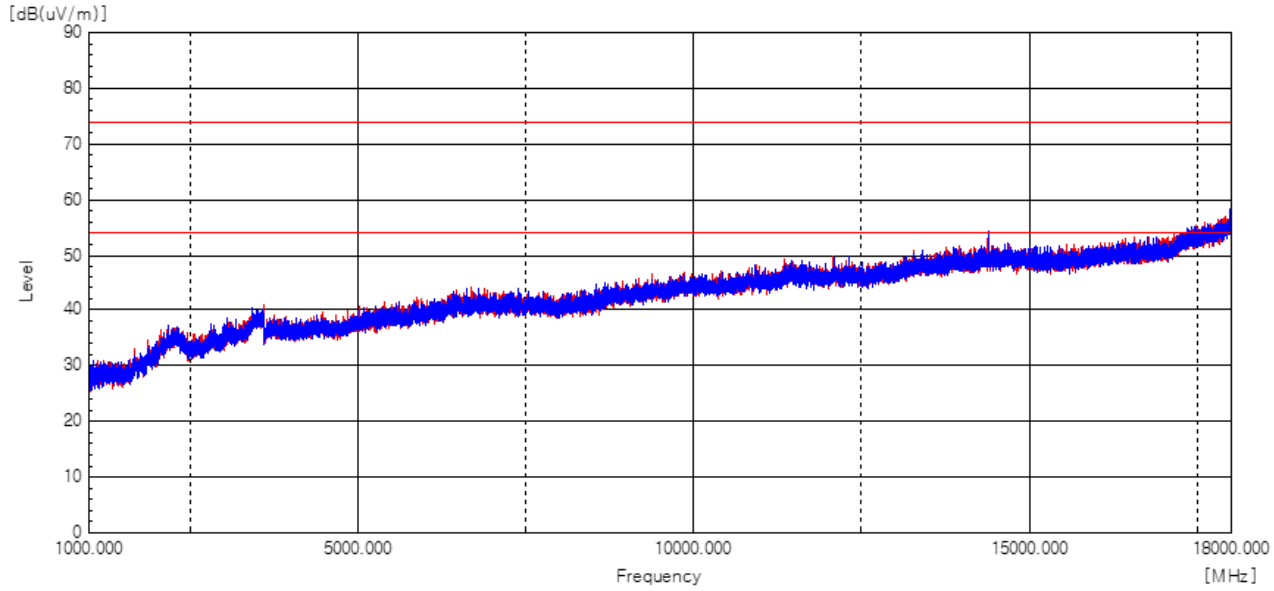
11) Test Mode : LTE Band 12 (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
15794.96	40.90	-	V	186	100	40.30	16.76	44.82	0.00	53.14	74.00	20.86
15794.96	-	30.80	V	186	100	40.30	16.76	44.82	0.00	43.04	54.00	10.96
15983.37	40.30	-	H	55	100	40.57	16.95	44.99	0.00	52.83	74.00	21.17
15983.37	-	30.40	H	55	100	40.57	16.95	44.99	0.00	42.93	54.00	11.07
16457.25	40.50	-	V	275	100	41.40	17.12	45.18	0.00	53.84	74.00	20.16
16457.25	-	31.10	V	275	100	41.40	17.12	45.18	0.00	44.44	54.00	9.56
16871.62	40.20	-	H	306	200	41.74	17.39	45.35	0.00	53.98	74.00	20.02
16871.62	-	31.10	H	306	200	41.74	17.39	45.35	0.00	44.88	54.00	9.12
17497.08	39.80	-	H	89	100	43.18	18.51	45.60	0.00	55.89	74.00	18.11
17497.08	-	31.10	H	89	100	43.18	18.51	45.60	0.00	47.19	54.00	6.81
17618.92	39.80	-	V	232	100	43.58	18.67	45.65	0.00	56.40	74.00	17.60
17618.92	-	30.70	V	232	100	43.58	18.67	45.65	0.00	47.30	54.00	6.70



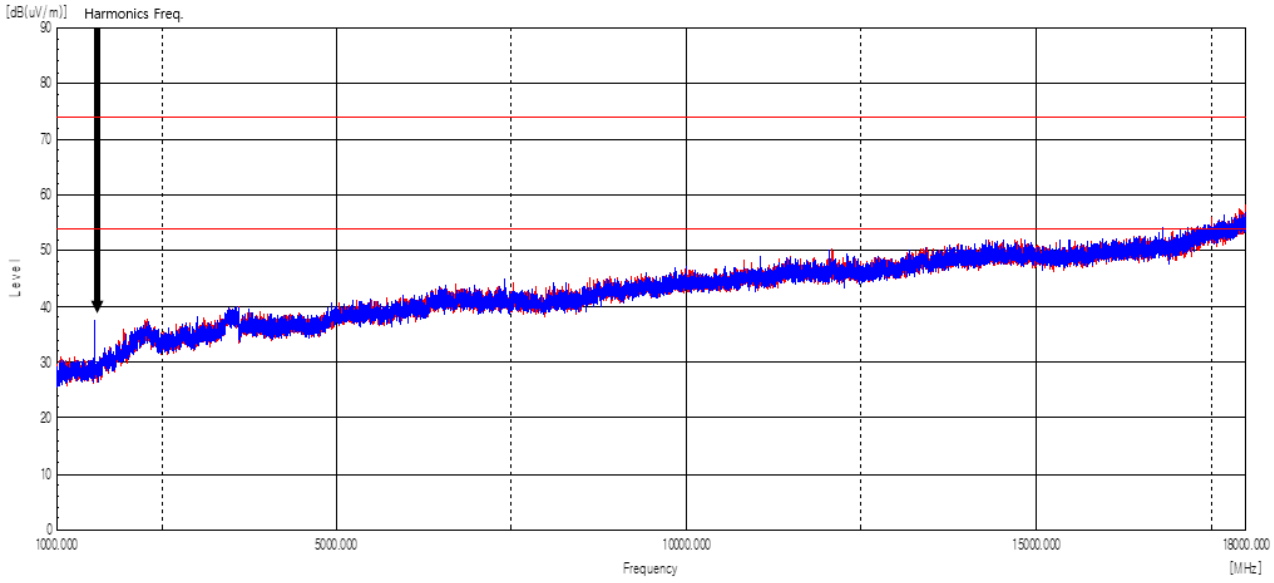
12) Test Mode : LTE Band 12 (High Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
15275.75	40.30	-	V	358	100	40.00	16.10	44.35	0.00	52.05	74.00	21.95
15275.75	-	29.80	V	358	100	40.00	16.10	44.35	0.00	41.55	54.00	12.45
16046.42	40.30	-	H	4	100	40.69	16.98	45.02	0.00	52.95	74.00	21.05
16046.42	-	30.40	H	4	100	40.69	16.98	45.02	0.00	43.05	54.00	10.95
16883.66	44.50	-	V	214	100	41.77	17.40	45.35	0.00	58.32	74.00	15.68
16883.66	-	31.40	V	214	100	41.77	17.40	45.35	0.00	45.22	54.00	8.78
17146.46	44.20	-	H	3	100	41.99	17.78	45.46	0.00	58.51	74.00	15.49
17146.46	-	31.70	H	3	100	41.99	17.78	45.46	0.00	46.01	54.00	7.99
17660.00	43.60	-	V	130	100	43.70	18.72	45.66	0.00	60.36	74.00	13.64
17660.00	-	30.60	V	130	100	43.70	18.72	45.66	0.00	47.36	54.00	6.64
17798.12	40.00	-	H	9	100	43.99	18.89	45.72	0.00	57.16	74.00	16.84
17798.12	-	30.40	H	9	100	43.99	18.89	45.72	0.00	47.56	54.00	6.44



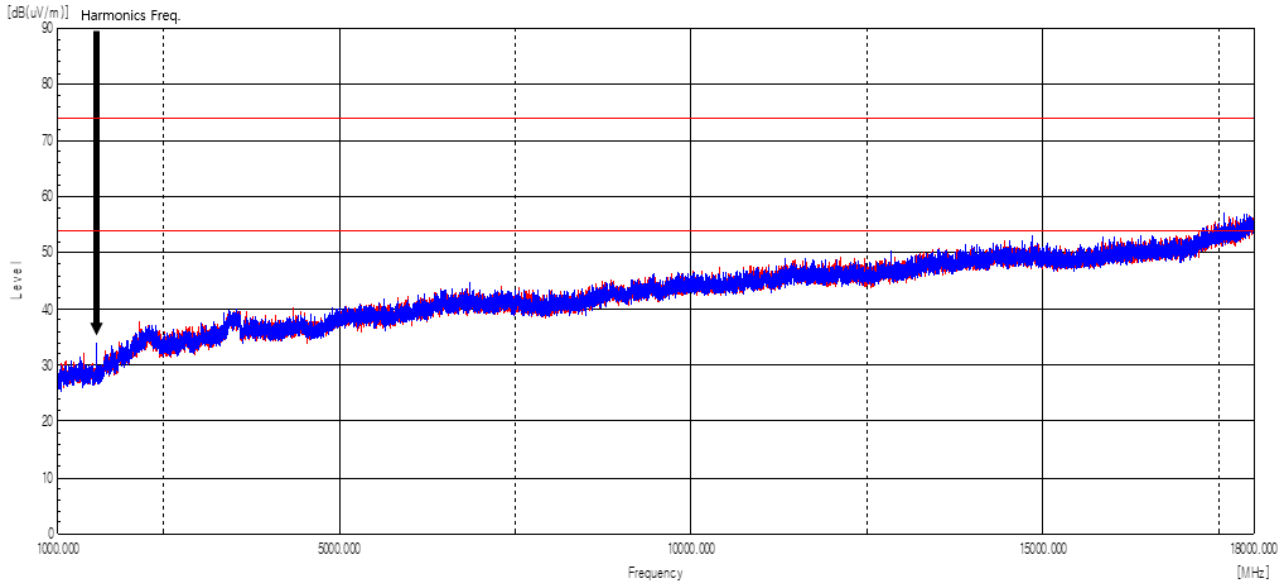
13) Test Mode : LTE Band 13 (Low Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
2307.58	43.00	-	H	198	100	27.97	9.22	45.35	0.00	34.84	74.00	39.16
2307.58	-	33.20	H	198	100	27.97	9.22	45.35	0.00	25.04	54.00	28.96
16807.16	41.30	-	V	359	100	41.79	17.35	45.32	0.00	55.12	74.00	18.88
16807.16	-	30.20	V	359	100	41.79	17.35	45.32	0.00	44.02	54.00	9.98
17310.79	40.20	-	H	186	100	42.50	18.13	45.52	0.00	55.31	74.00	18.69
17310.79	-	30.50	H	186	100	42.50	18.13	45.52	0.00	45.61	54.00	8.39
17591.29	39.40	-	V	121	100	43.47	18.63	45.64	0.00	55.86	74.00	18.14
17591.29	-	30.10	V	121	100	43.47	18.63	45.64	0.00	46.56	54.00	7.44
17677.00	40.60	-	V	64	100	43.70	18.74	45.67	0.00	57.37	74.00	16.63
17677.00	-	30.60	V	64	100	43.70	18.74	45.67	0.00	47.37	54.00	6.63
17793.16	39.60	-	H	305	100	43.97	18.88	45.72	0.00	56.73	74.00	17.27
17793.16	-	30.00	H	305	100	43.97	18.88	45.72	0.00	47.13	54.00	6.87



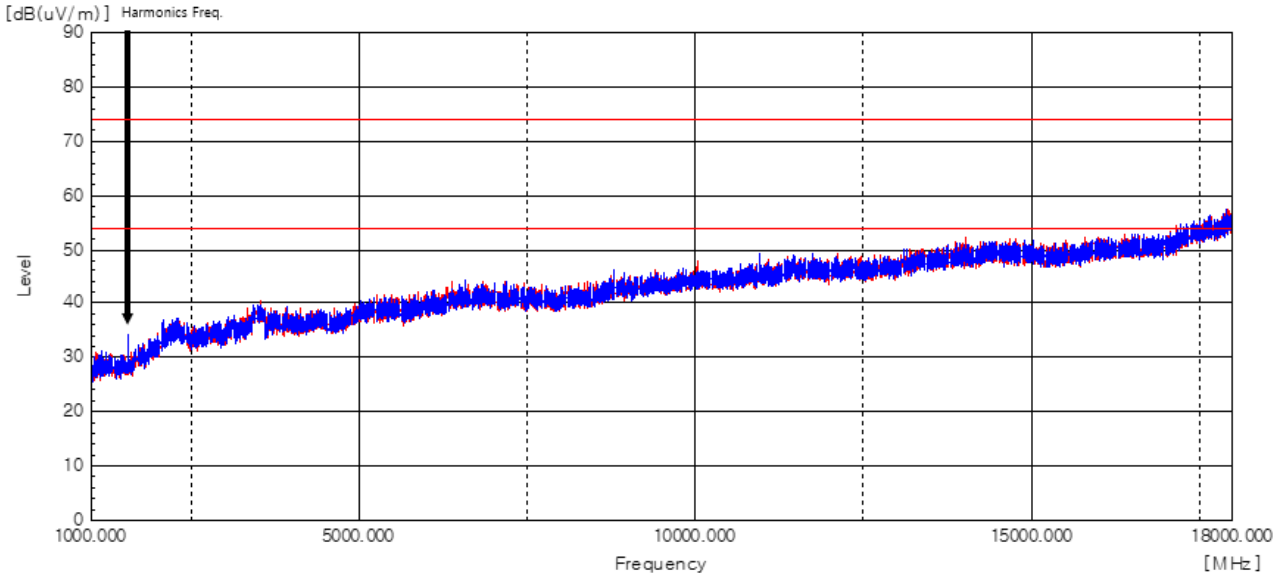
14) Test Mode : LTE Band 13 (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16543.67	40.40	-	V	4	100	41.49	17.16	45.22	0.00	53.83	74.00	20.17
16543.67	-	30.00	V	4	100	41.49	17.16	45.22	0.00	43.43	54.00	10.57
17039.50	39.90	-	H	264	100	41.90	17.56	45.42	0.00	53.94	74.00	20.06
17039.50	-	30.10	H	264	100	41.90	17.56	45.42	0.00	44.14	54.00	9.86
17332.04	40.50	-	V	2	200	42.50	18.17	45.53	0.00	55.64	74.00	18.36
17332.04	-	31.80	V	2	200	42.50	18.17	45.53	0.00	46.94	54.00	7.06
17344.08	40.60	-	H	354	200	42.50	18.20	45.54	0.00	55.76	74.00	18.24
17344.08	-	31.00	H	354	200	42.50	18.20	45.54	0.00	46.16	54.00	7.84
17575.00	43.10	-	V	306	100	43.40	18.61	45.63	0.00	59.48	74.00	14.52
17575.00	-	29.90	V	306	100	43.40	18.61	45.63	0.00	46.28	54.00	7.72
17655.75	40.40	-	H	123	100	43.70	18.71	45.66	0.00	57.15	74.00	16.85
17655.75	-	30.40	H	123	100	43.70	18.71	45.66	0.00	47.15	54.00	6.85



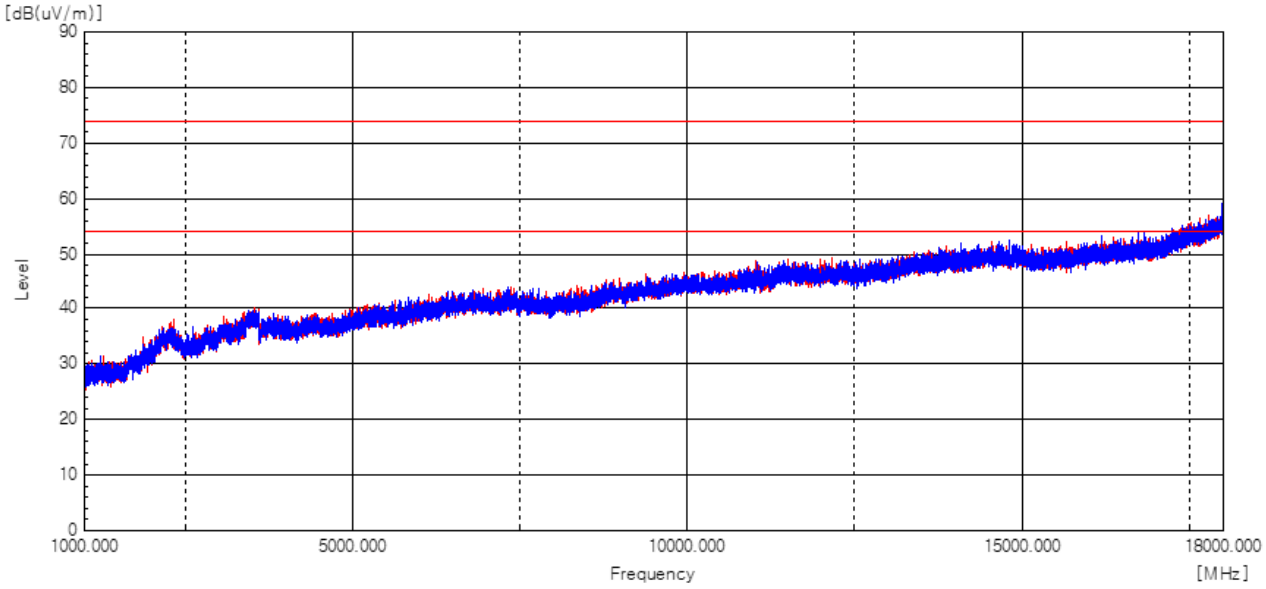
15) Test Mode : LTE Band 13 (High Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16156.92	40.00	-	V	122	100	40.81	17.02	45.06	0.00	52.77	74.00	21.23
16156.92	-	30.20	V	122	100	40.81	17.02	45.06	0.00	42.97	54.00	11.03
16387.12	40.20	-	H	201	100	41.40	17.09	45.15	0.00	53.54	74.00	20.46
16387.12	-	30.00	H	201	100	41.40	17.09	45.15	0.00	43.34	54.00	10.66
17055.79	39.80	-	V	55	100	41.90	17.60	45.42	0.00	53.88	74.00	20.12
17055.79	-	31.10	V	55	100	41.90	17.60	45.42	0.00	45.18	54.00	8.82
17159.92	40.80	-	H	354	100	42.04	17.81	45.46	0.00	55.19	74.00	18.81
17159.92	-	31.40	H	354	100	42.04	17.81	45.46	0.00	45.79	54.00	8.21
17501.33	40.00	-	V	67	100	43.20	18.52	45.60	0.00	56.12	74.00	17.88
17501.33	-	29.30	V	67	100	43.20	18.52	45.60	0.00	45.42	54.00	8.58
17689.75	40.20	-	H	179	100	43.70	18.76	45.68	0.00	56.98	74.00	17.02
17689.75	-	29.20	H	179	100	43.70	18.76	45.68	0.00	45.98	54.00	8.02



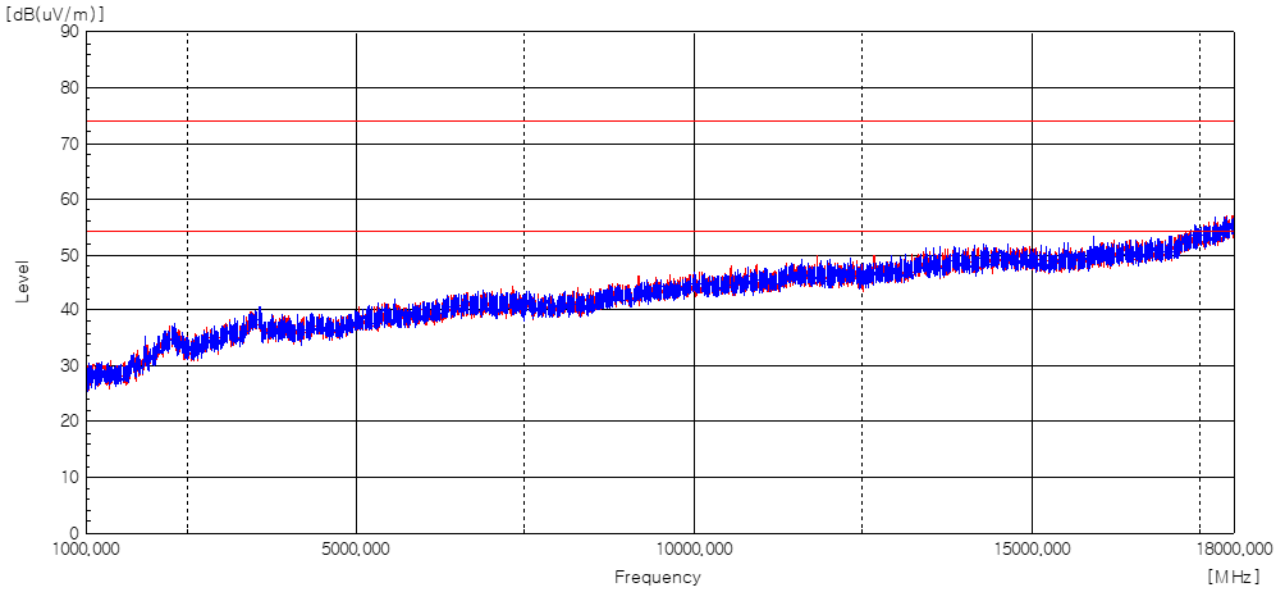
16) Test Mode : LTE Band 26 (Low Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
16812.12	41.00	-	V	53	100	41.78	17.35	45.32	0.00	54.81	74.00	19.19
16812.12	-	31.90	V	53	100	41.78	17.35	45.32	0.00	45.71	54.00	8.29
16812.83	40.20	-	H	96	100	41.77	17.35	45.33	0.00	53.99	74.00	20.01
16812.83	-	29.10	H	96	100	41.77	17.35	45.33	0.00	42.89	54.00	11.11
17225.08	40.70	-	V	357	200	42.25	17.95	45.49	0.00	55.41	74.00	18.59
17225.08	-	30.60	V	357	200	42.25	17.95	45.49	0.00	45.31	54.00	8.69
17527.54	40.20	-	H	11	200	43.26	18.55	45.61	0.00	56.40	74.00	17.60
17527.54	-	30.10	H	11	200	43.26	18.55	45.61	0.00	46.30	54.00	7.70
17728.71	40.20	-	V	359	100	43.76	18.80	45.69	0.00	57.07	74.00	16.93
17728.71	-	30.30	V	359	100	43.76	18.80	45.69	0.00	47.17	54.00	6.83
17789.62	40.50	-	H	3	100	43.96	18.88	45.72	0.00	57.62	74.00	16.38
17789.62	-	30.90	H	3	100	43.96	18.88	45.72	0.00	48.02	54.00	5.98



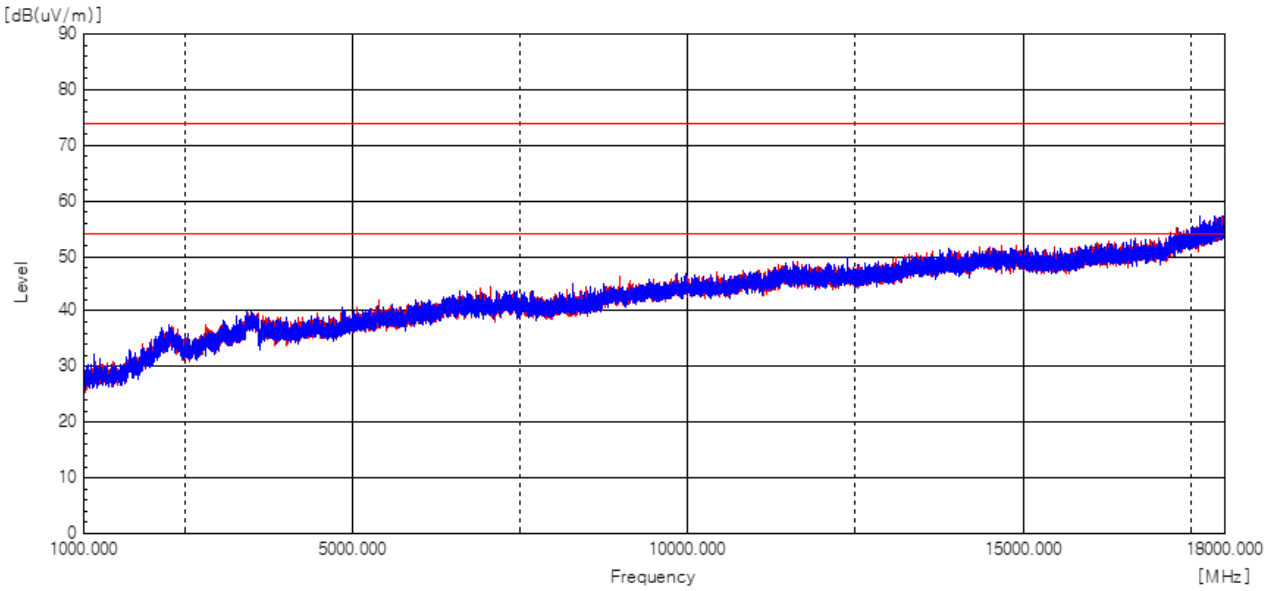
17) Test Mode : LTE Band 26 (Middle Channel)

Freq. (MHz)	Level (dBμV)		Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Peak	C-AV										
15928.12	41.20	-	V	222	200	40.46	16.90	44.94	0.00	53.62	74.00	20.38
15928.12	-	31.20	V	222	200	40.46	16.90	44.94	0.00	43.62	54.00	10.38
16222.79	40.60	-	H	233	200	40.95	17.04	45.09	0.00	53.50	74.00	20.50
16222.79	-	30.80	H	233	200	40.95	17.04	45.09	0.00	43.70	54.00	10.30
17190.37	39.90	-	V	356	100	42.16	17.88	45.48	0.00	54.46	74.00	19.54
17190.37	-	30.60	V	356	100	42.16	17.88	45.48	0.00	45.16	54.00	8.84
17369.58	40.30	-	H	3	100	42.58	18.25	45.55	0.00	55.58	74.00	18.42
17369.58	-	30.70	H	3	100	42.58	18.25	45.55	0.00	45.98	54.00	8.02
17839.21	40.10	-	V	230	200	44.24	18.94	45.74	0.00	57.54	74.00	16.46
17839.21	-	29.90	V	230	200	44.24	18.94	45.74	0.00	47.34	54.00	6.66
17890.91	40.10	-	H	283	100	44.38	19.00	45.76	0.00	57.72	74.00	16.28
17890.91	-	30.20	H	283	100	44.38	19.00	45.76	0.00	47.82	54.00	6.18



18) Test Mode : LTE Band 26 (High Channel)

Freq. (MHz)	Level (dBμV) Peak	Level (dBμV) C-AV	Pol. (H/V)	A (°)	H (cm)	AF (dB)	CL (dB)	Amp. (dB)	CF (dB)	F/S (dBμV/m)	Limit (dBμV/m)	Margin (dB)
16484.87	40.00	-	V	204	100	41.40	17.13	45.19	0.00	53.34	74.00	20.66
16484.87	-	30.60	V	204	100	41.40	17.13	45.19	0.00	43.94	54.00	10.06
16666.21	40.50	-	H	3	100	41.60	17.25	45.27	0.00	54.08	74.00	19.92
16666.21	-	30.20	H	3	100	41.60	17.25	45.27	0.00	43.78	54.00	10.22
17192.50	40.20	-	V	142	100	42.17	17.88	45.48	0.00	54.77	74.00	19.23
17192.50	-	31.90	V	142	100	42.17	17.88	45.48	0.00	46.47	54.00	7.53
17273.25	41.10	-	H	59	100	42.39	18.05	45.51	0.00	56.03	74.00	17.97
17273.25	-	31.20	H	59	100	42.39	18.05	45.51	0.00	46.13	54.00	7.87
17520.46	40.00	-	V	234	100	43.24	18.55	45.61	0.00	56.18	74.00	17.82
17520.46	-	30.90	V	234	100	43.24	18.55	45.61	0.00	47.08	54.00	6.92
17728.00	39.70	-	H	3	100	43.76	18.80	45.69	0.00	56.57	74.00	17.43
17728.00	-	30.80	H	3	100	43.76	18.80	45.69	0.00	47.67	54.00	6.33



Measurement Uncertainty (Horizontal) : 5.33 dB (The confidential level is about 95%, *k* =2)
Measurement Uncertainty (Vertical) : 5.35 dB (The confidential level is about 95%, *k*=2)

Note: • AF = Antenna Factor • CL = Cable Loss • F/S = Field Strength
• Pol.(H) = Horizontal • Pol.(V) = Vertical • Amp. = Amplifier Gain
• Margin = Limit – F/S • F/S = Level + AF + CL – Amp.
• A : Angle • H : Height

- End of the Report -