
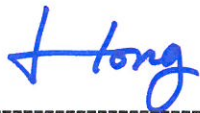


FCC TEST REPORT

Job No. : GPEM2006000665EH
Applicant Name : Samsung Electronics Co., Ltd.
Equipment Under Test (EUT) :
 Product Name : Portable Tablet
 Model Name : SM-T870
FCC Authorization Type : Certification
Applied Standards : FCC Part 15 Subpart B, Class B
 ANSI C63.4:2014
FCC ID : A3LSMT870
Date of Receipt : June 12, 2020
Date of Test : June 18, 2020 ~ June 26, 2020
Date of Issue : July 24, 2020
Test Results : Complied

Tested by	:		 ----- Youngsik Na
Reviewed by	:		 ----- Heesoo Hong

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

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Revision History

Revision	Report number	Description
0	F690501-RF-EMH000520	Initial
1	F690501-RF-EMH000520_1	<ul style="list-style-type: none"> - Revision for 1.4 Operating Modes and Conditions, 1.5 Peripheral Equipments and 1.7 System Configurations - Remove Photographs of EUT - Change product name
2	F690501-RF-EMH000520_2	Remove standard(ICES-003 Issue 6: 2016)

1. General Information

1.1 Client Information

Applicant : Samsung Electronics Co., Ltd.
 Address : 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 Lab : 35, Giheungdanji-ro 121beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 17086
 - Giheung 2 Lab : 23, Giheungdanji-ro 24beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 17086

FCC Registration No. : KR0150
 IC Registration No. : 7837B
 Phone : + 82 31 548 0710
 Fax : + 82 31 548 0719
 e-mail : Julia.choi@sgs.com

1.3 General Information of E.U.T.

Classification	Specification
Product Name	Portable Tablet
Model Name	SM-T870
Internal Max Clock Frequency	5.8 GHz
Test Power	AC 120 V , 60 Hz
Travel Adapter	INPUT : AC 100 – 240 V , 50 / 60 Hz , 0.5 A OUTPUT : DC 9.0 V , 1.67 A , 15 W
Operating Temperature	- 20 °C ~ 60 °C
Operating Voltage	Min : 3.4 V , Normal : 3.86 V , Max : 4.43 V
H/W Version	REV1.0
S/W Version	T870.001
Port	C-type USB
Function	Mobile Tablet device

1.4 Operating Modes and Conditions

- Conducted Emission Test

Operating mode	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) + 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

- Radiated Emission Test

Operating mode	Operating Condition
1	Audio + Video playback from internal memory data + S Pen + POGO Keyboard
2	Audio + Video playback from internal memory data + DisplayPort + 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

1.5 Peripheral Equipments

Description	Model	Serial No.	Manufacturer	FCC ID
Micro SD Card	EVO Plus 64GB	-	SAMSUNG	-
Monitor	C27H800FCN	BZSUH4ZM500421D	SAMSUNG	C27H800FC
Monitor Adapter	A5919_KPNL	-	POWERNET Technologies Corp	-
USB(3.1) Cable	-	-	-	-
LAN Cable	-	-	-	-
DP to C-type USB Cable	CDP2DPMM1MW	-	-	-
Notebook	NT740U5L	-	SAMSUNG	DOC
Notebook Adapter	CPA09-004A	-	Chicony Power Technology Co., Ltd.	-
Router	RT-AX56U	-	ASUS	DOC
Router Adapter	WB-24J12R	Y0113N94005569	Yang Ming Industrial	-
Mouse	M90	1633HS06CMY8	Logitech	DOC

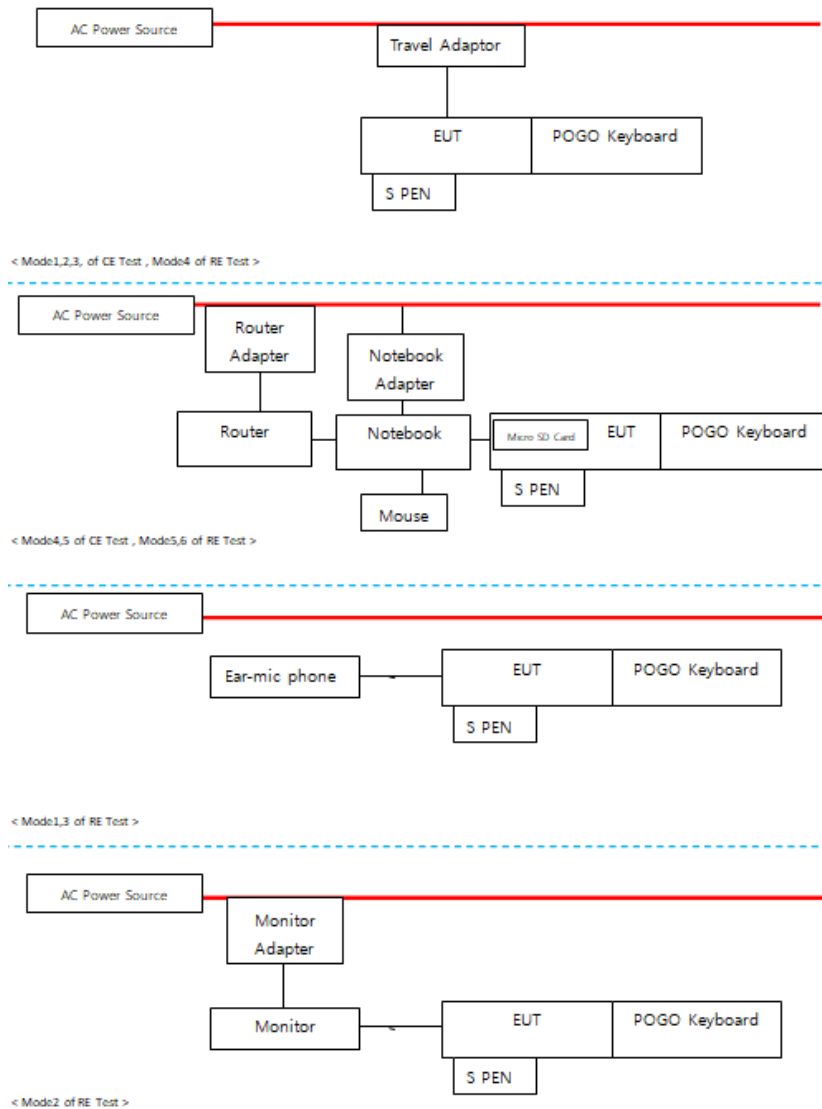
1.6 Cable List

Start		END		Cable Spec.		Used core
Name	I/O Port	Name	I/O Port	Length (m)	Shield	
< Mode1,2,3 of CE Test, Mode 4 of RE Test >						
EUT	-	S PEN	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	C-type USB	Travel Adaptor	A-type USB	1.0	Shield	No
Travel Adaptor	AC IN	AC Power Source	-	-	-	-
< Mode4,5 of CE Test, Mode 5,6 of RE Test >						
EUT	Micro SD Card Slot	Micro SD Card	-	-	-	-
	-	S PEN	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	C-type USB	Notebook	A-type USB	1.0	Shield	No
Notebook	DC IN	Notebook Adapter	DC OUT	1.6	Shield	1 EA
	LAN	Router	LAN	3.0	Unshield	No
	A-type USB	Mouse	-	1.2	Unshield	No
Router	DC IN	Router Adapter	DC OUT	1.4	Unshield	No
Router Adapter	AC IN	AC Power Source	-	-	-	-
Notebook Adapter	AC IN	AC Power Source	-	1.2	Unshield	No
< Mode1,3 of RE Test >						
EUT	-	S PEN	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	C-type USB	Ear-mic phone	-	1.2	Unshield	No
< Mode2 of RE Test >						
EUT	-	S PEN	-	-	-	-
	-	POGO Keyboard	-	-	-	-
	C-type USB	Monitor	DisplayPort	0.8	Shield	No
Monitor	DC IN	Monitor Adapter	DC OUT	1.6	Unshield	No
Monitor Adapter	AC IN	AC Power Source	-	-	-	-

1.7 System Configurations

Description	Model	Serial No.	Manufacturer
Travel Adaptor	EP-TA200	R37N3JP8GR1SE3	-
Battery	EB-BT875ABY	-	ATL
Ear-mic phone	GHSS028-K7	-	GLONIC
USB(2.0) Cable	EP-DT725BBE	-	-
S PEN	EJ-PT870	-	Pegatron
POGO Keyboard	EF-D870	-	SAMSUNG Electronics Vietnam

1.8 Test System Layout



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	Complied
Radiated Emission	FCC Part 15 Subpart B Section 15.109	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	Standards	Test Results
Conducted Emission	FCC Part 15 Subpart B Section 15.107	Complied
Radiated Emission	FCC Part 15 Subpart B Section 15.109	Complied

2.2 Test Method and Limits

2.2.1 Test Method

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

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

2.2.2 Test Limits

-Conducted Emission Limits

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

-Radiated Emission Limits below 1 GHz

Frequency Range	Limits(dB μ V/m)		Class
	Quasi-peak		
30 MHz ~ 88 MHz	39.0		Class A (10 m method)
88 MHz ~ 216 MHz	43.5		
216 MHz ~ 960 MHz	46.4		
960 MHz ~ 1 GHz	49.5		
30 MHz ~ 88 MHz	40.0		Class B (3 m method)
88 MHz ~ 216 MHz	43.5		
216 MHz ~ 960 MHz	46.0		
960 MHz ~ 1 GHz	54.0		

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

Frequency Range	Limits(dB μ V/m)		Class
	Average	Peak	
Above 1 GHz	59.5	79.5	Class A
Above 1 GHz	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 Disturbance

The initial preliminary exploratory scans were performed over the measuring frequency range (0.15 MHz to 30 MHz) using a max hold mode incorporating a Peak detector and Average detector and using the software of EMC32 (Version V10.40.00 from R&S). The final test data was measured using a Quasi-Peak detector and CISPR Average detector.

2.3.1 Test Equipments

Equipment	Model	Manufacturer	Serial No	Cal Due. Date
EMI TEST RECEIVER	ESU8	R&S	100128	2021.05.20
2-LINE V-NETWORK	ENV216	R&S	100415	2021.06.22
PULSE LIMITER	ESH3-Z2	R&S	100850	2021.04.06
RF Cable (EMH-2Lab-CE-01)	W21.09	-	-	2020.07.30
Shield Room	-	SY CORPORATION	-	-

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

2.3.2 Test Site

Shield Room in Giheung 2 Laboratory

2.3.3 Environment Conditions

Temperature : (minimum 21.6, maximum 22.5) °C

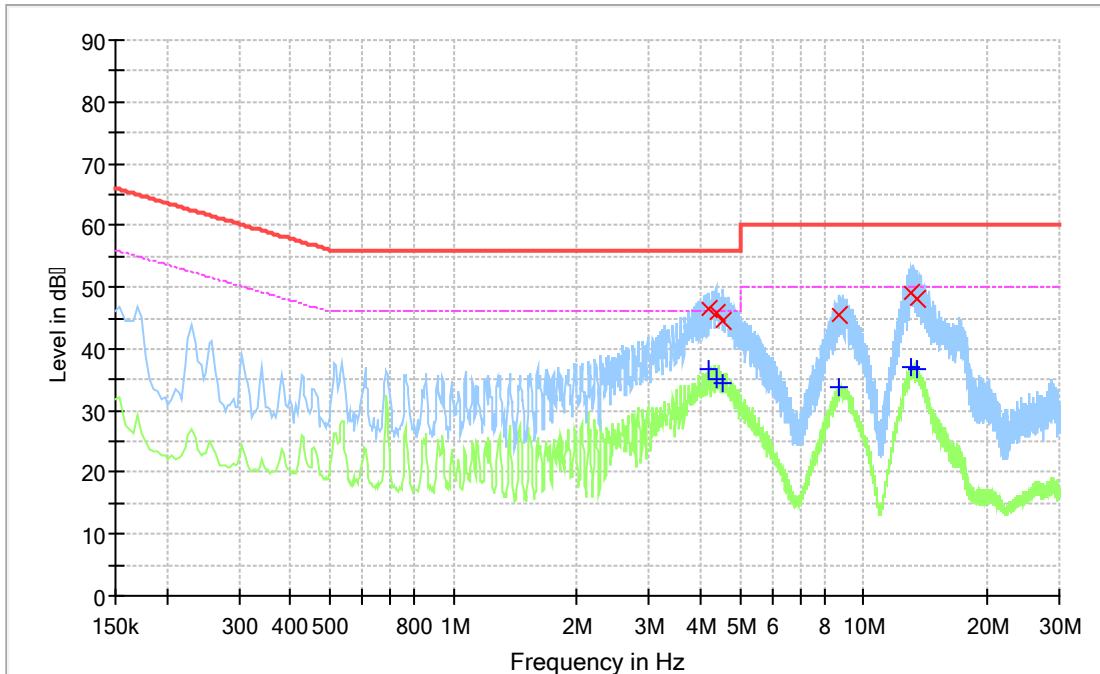
Humidity : (minimum 51.0, maximum 53.0) % R.H.

Atmospheric Pressure : (minimum 99.8, maximum 99.8) kPa

Test Date: June 26, 2020

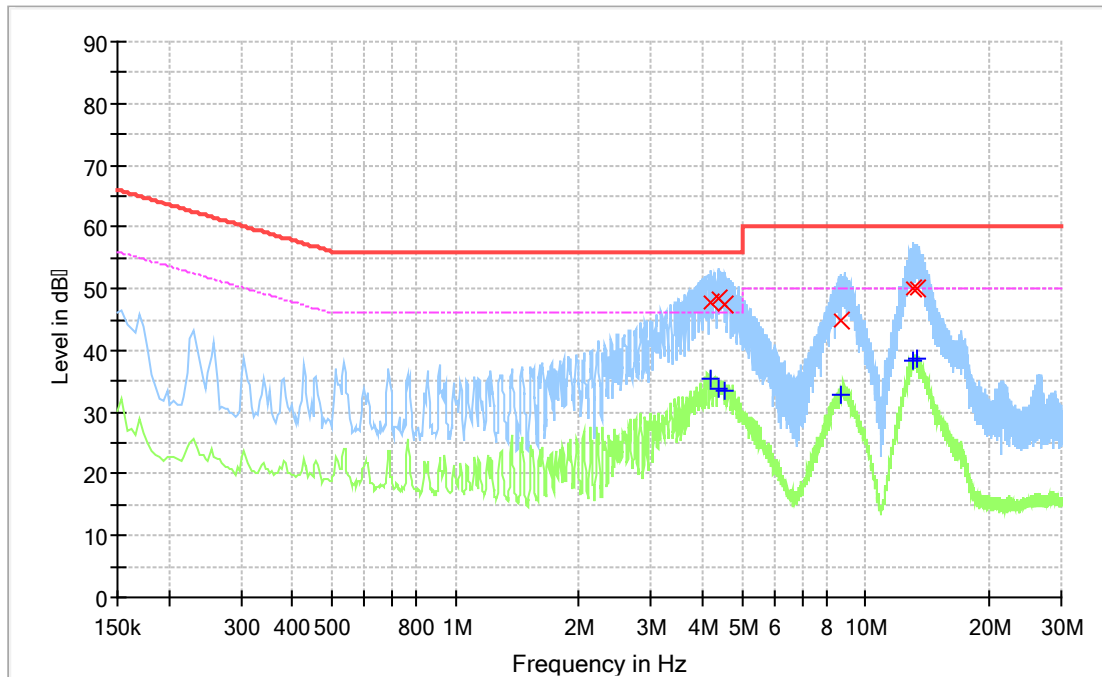
2.3.4 Test Results

- Test Mode: 1)



Final_Result

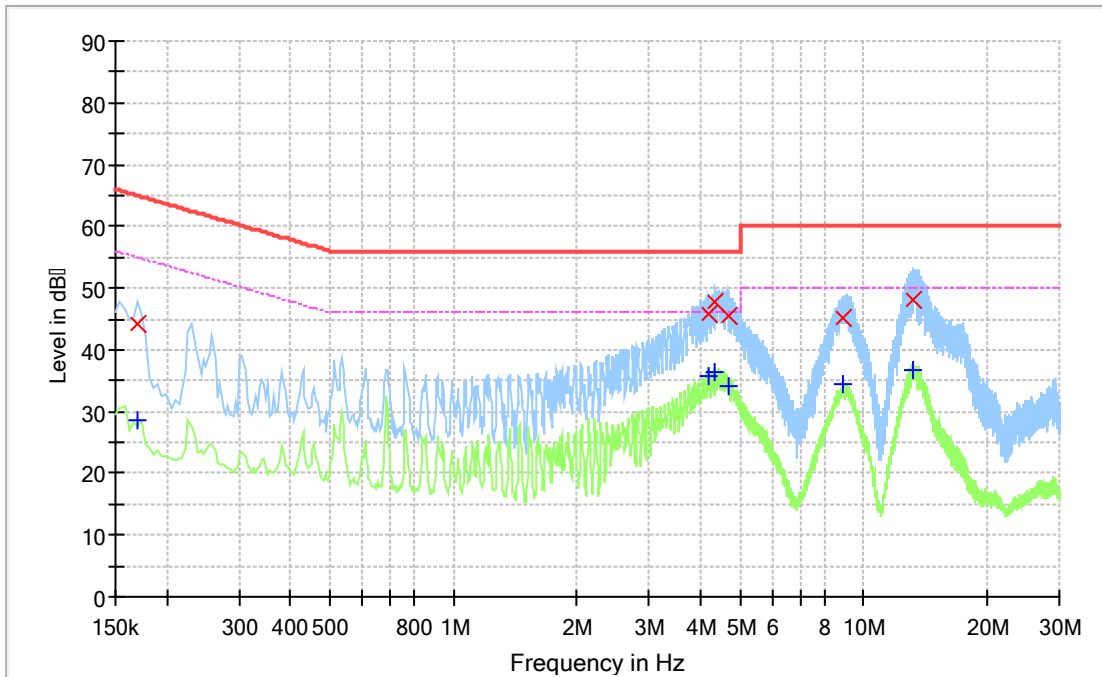
Frequency (MHz)	QuasiPeak (dB μ V)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
4.186 000	---	36.68	46.00	9.32	15 000.0	9.000	L1	ON	19.8
4.186 000	46.55	---	56.00	9.45	15 000.0	9.000	L1	ON	19.8
4.358 000	---	35.04	46.00	10.96	15 000.0	9.000	L1	ON	19.8
4.358 000	45.88	---	56.00	10.12	15 000.0	9.000	L1	ON	19.8
4.530 000	---	34.39	46.00	11.61	15 000.0	9.000	L1	ON	19.9
4.530 000	44.41	---	56.00	11.59	15 000.0	9.000	L1	ON	19.9
8.706 000	---	33.84	50.00	16.16	15 000.0	9.000	L1	ON	20.1
8.706 000	45.51	---	60.00	14.49	15 000.0	9.000	L1	ON	20.1
13.054 000	---	37.17	50.00	12.83	15 000.0	9.000	L1	ON	20.3
13.054 000	49.04	---	60.00	10.96	15 000.0	9.000	L1	ON	20.3
13.514 000	---	36.83	50.00	13.17	15 000.0	9.000	L1	ON	20.3
13.514 000	48.01	---	60.00	11.99	15 000.0	9.000	L1	ON	20.3



Final Result

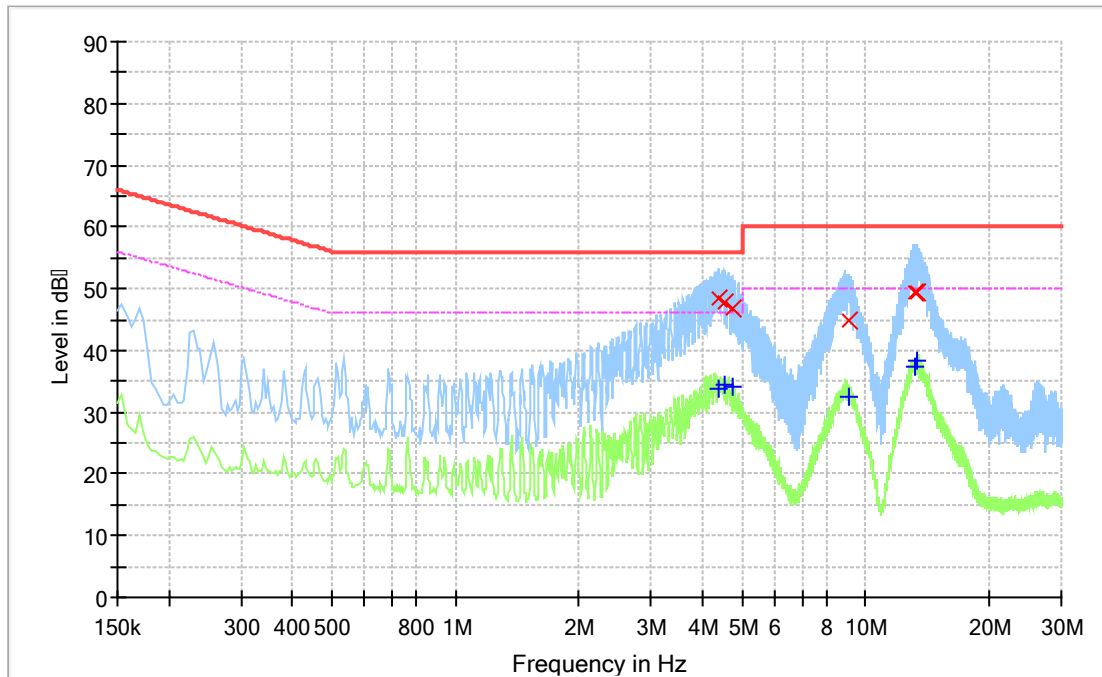
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
4.190 000	---	35.57	46.00	10.43	15 000.0	9.000	N	ON	19.8
4.190 000	47.90	---	56.00	8.10	15 000.0	9.000	N	ON	19.8
4.374 000	---	33.92	46.00	12.08	15 000.0	9.000	N	ON	19.8
4.374 000	48.45	---	56.00	7.55	15 000.0	9.000	N	ON	19.8
4.534 000	---	33.55	46.00	12.45	15 000.0	9.000	N	ON	19.9
4.534 000	47.55	---	56.00	8.45	15 000.0	9.000	N	ON	19.9
8.738 000	---	32.87	50.00	17.13	15 000.0	9.000	N	ON	20.1
8.738 000	44.81	---	60.00	15.19	15 000.0	9.000	N	ON	20.1
12.982 000	---	38.29	50.00	11.71	15 000.0	9.000	N	ON	20.3
12.982 000	49.88	---	60.00	10.12	15 000.0	9.000	N	ON	20.3
13.358 000	---	38.56	50.00	11.44	15 000.0	9.000	N	ON	20.3
13.358 000	50.01	---	60.00	9.99	15 000.0	9.000	N	ON	20.3

- Test Mode: 2)



Final Result

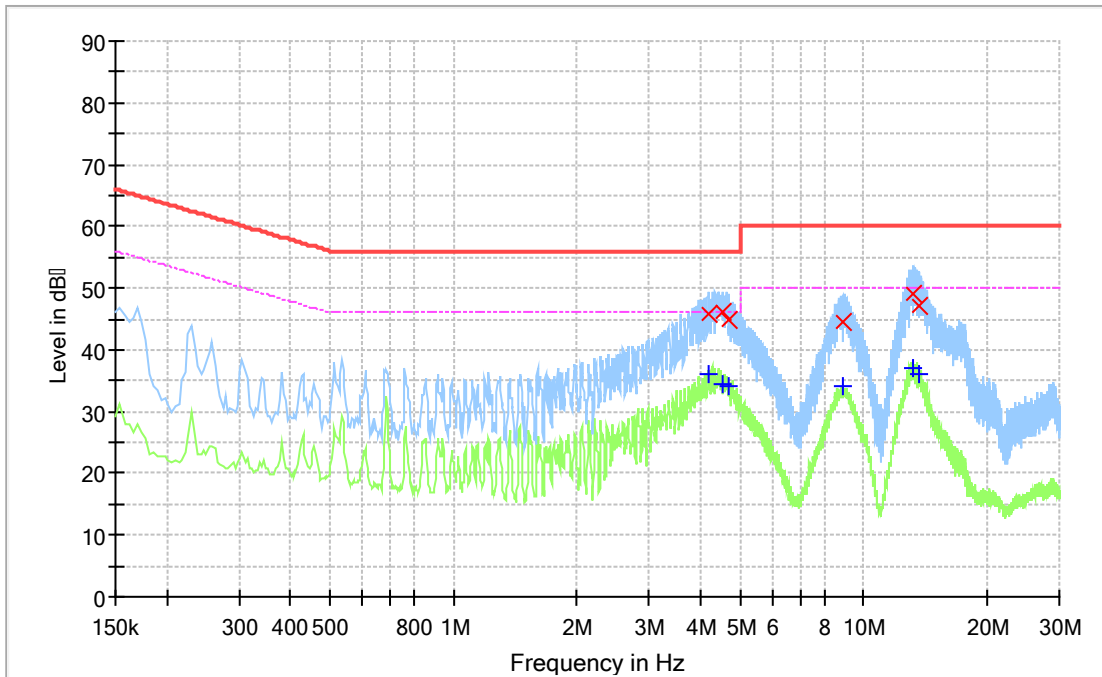
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.170 000	---	28.46	54.96	26.50	15 000.0	9.000	L1	ON	20.0
0.170 000	44.31	---	64.96	20.65	15 000.0	9.000	L1	ON	20.0
4.182 000	---	35.83	46.00	10.17	15 000.0	9.000	L1	ON	19.8
4.182 000	45.77	---	56.00	10.23	15 000.0	9.000	L1	ON	19.8
4.354 000	---	36.34	46.00	9.66	15 000.0	9.000	L1	ON	19.8
4.354 000	47.75	---	56.00	8.25	15 000.0	9.000	L1	ON	19.8
4.698 000	---	34.22	46.00	11.78	15 000.0	9.000	L1	ON	19.9
4.698 000	45.58	---	56.00	10.42	15 000.0	9.000	L1	ON	19.9
8.934 000	---	34.33	50.00	15.67	15 000.0	9.000	L1	ON	20.1
8.934 000	45.28	---	60.00	14.72	15 000.0	9.000	L1	ON	20.1
13.150 000	---	36.67	50.00	13.33	15 000.0	9.000	L1	ON	20.3
13.150 000	48.07	---	60.00	11.93	15 000.0	9.000	L1	ON	20.3



Final_Result

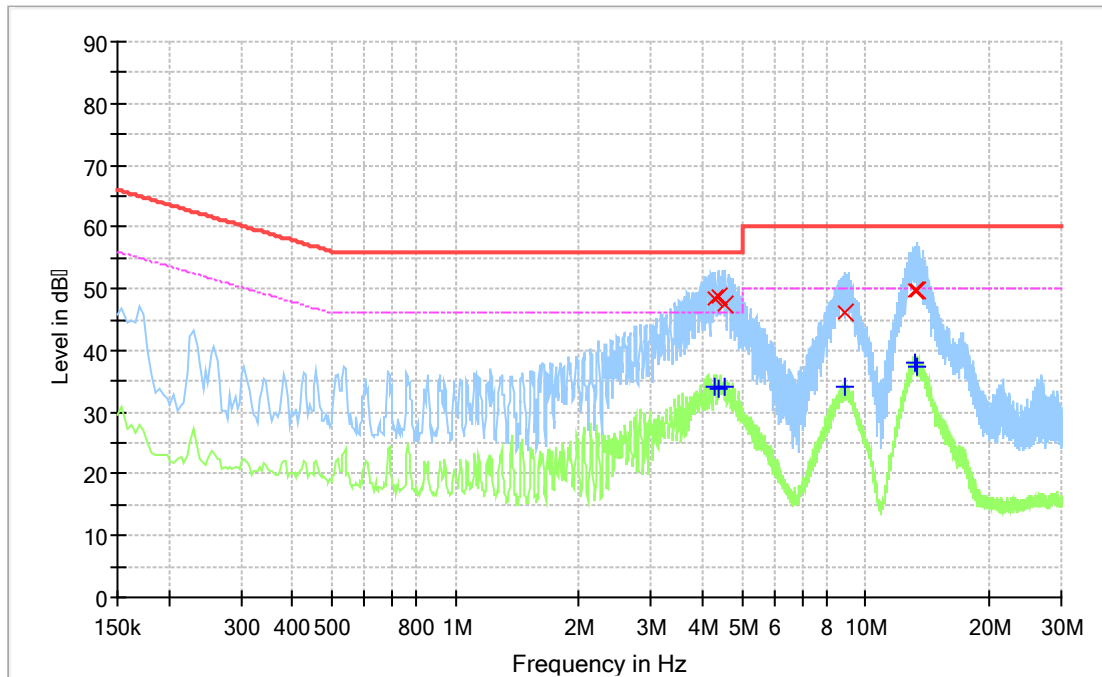
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
4.386 000	---	33.95	46.00	12.05	15 000.0	9.000	N	ON	19.8
4.386 000	48.46	---	56.00	7.54	15 000.0	9.000	N	ON	19.8
4.534 000	---	34.29	46.00	11.71	15 000.0	9.000	N	ON	19.9
4.534 000	47.92	---	56.00	8.08	15 000.0	9.000	N	ON	19.9
4.722 000	---	34.10	46.00	11.90	15 000.0	9.000	N	ON	19.9
4.722 000	46.91	---	56.00	9.09	15 000.0	9.000	N	ON	19.9
9.118 000	---	32.62	50.00	17.38	15 000.0	9.000	N	ON	20.1
9.118 000	44.79	---	60.00	15.21	15 000.0	9.000	N	ON	20.1
13.238 000	---	37.52	50.00	12.48	15 000.0	9.000	N	ON	20.3
13.238 000	49.29	---	60.00	10.71	15 000.0	9.000	N	ON	20.3
13.366 000	---	38.37	50.00	11.63	15 000.0	9.000	N	ON	20.3
13.366 000	49.54	---	60.00	10.46	15 000.0	9.000	N	ON	20.3

- Test Mode: 3)



Final Result

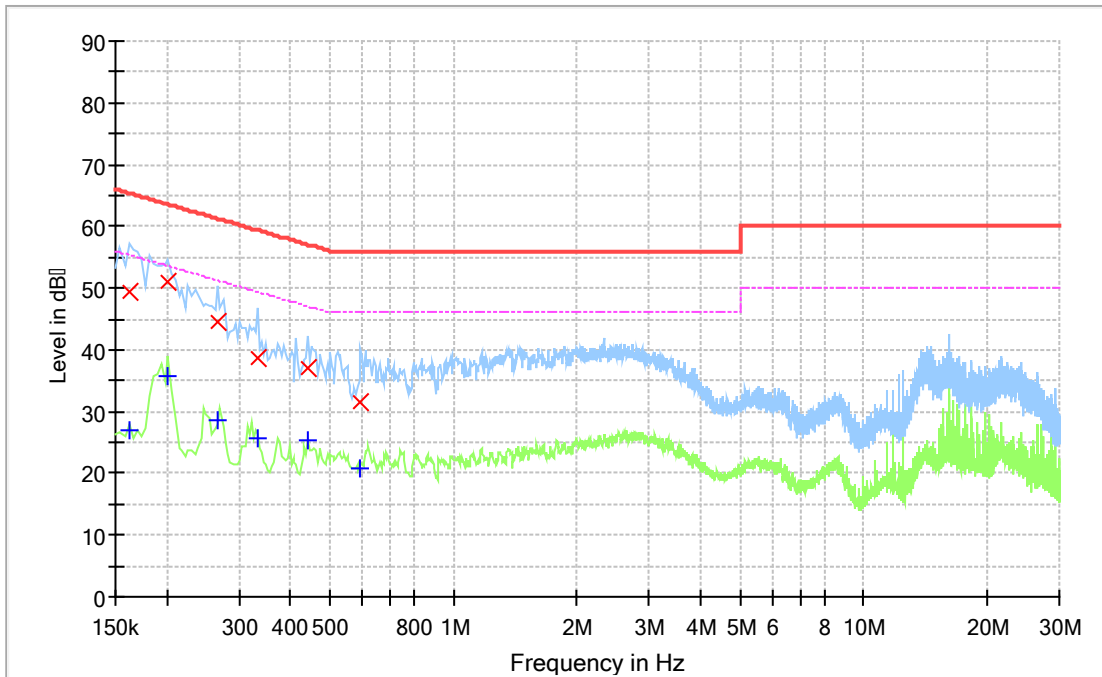
Frequency (MHz)	QuasiPeak (dB μ V)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
4.182 000	---	36.09	46.00	9.91	15 000.0	9.000	L1	ON	19.8
4.182 000	45.90	---	56.00	10.10	15 000.0	9.000	L1	ON	19.8
4.526 000	---	34.36	46.00	11.64	15 000.0	9.000	L1	ON	19.9
4.526 000	46.13	---	56.00	9.87	15 000.0	9.000	L1	ON	19.9
4.698 000	---	34.00	46.00	12.00	15 000.0	9.000	L1	ON	19.9
4.698 000	44.86	---	56.00	11.14	15 000.0	9.000	L1	ON	19.9
8.854 000	---	34.10	50.00	15.90	15 000.0	9.000	L1	ON	20.1
8.854 000	44.46	---	60.00	15.54	15 000.0	9.000	L1	ON	20.1
13.214 000	---	36.94	50.00	13.06	15 000.0	9.000	L1	ON	20.3
13.214 000	49.01	---	60.00	10.99	15 000.0	9.000	L1	ON	20.3
13.662 000	---	35.97	50.00	14.03	15 000.0	9.000	L1	ON	20.3
13.662 000	47.04	---	60.00	12.96	15 000.0	9.000	L1	ON	20.3



Final_Result

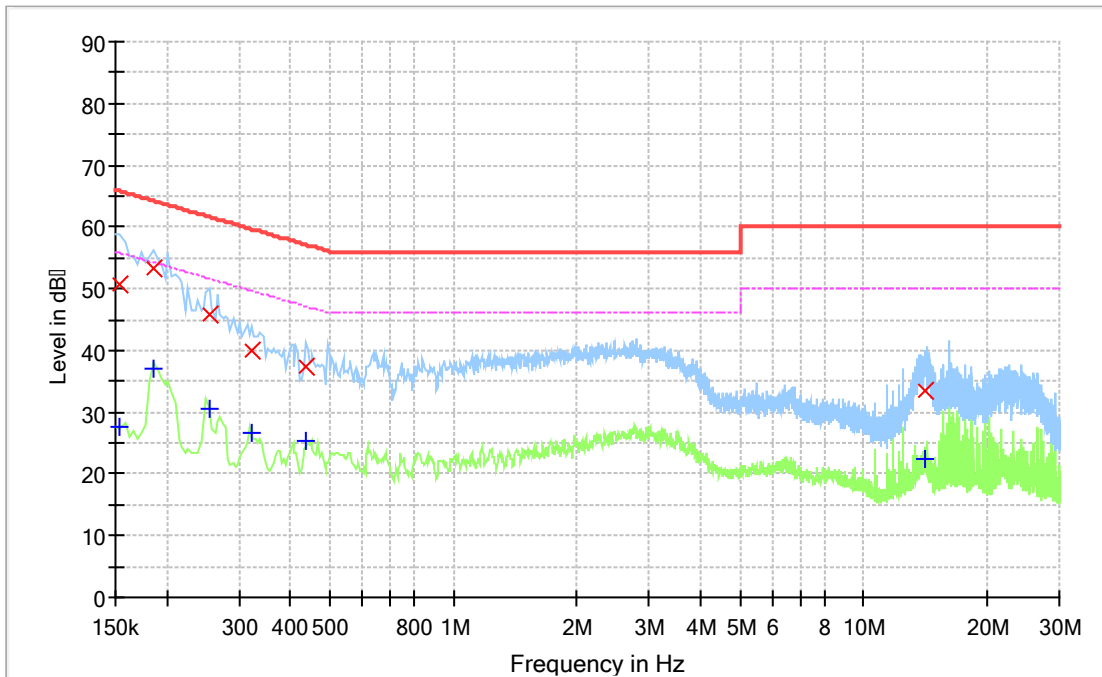
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
4.286 000	---	34.22	46.00	11.78	15 000.0	9.000	N	ON	19.8
4.286 000	48.41	---	56.00	7.59	15 000.0	9.000	N	ON	19.8
4.378 000	---	33.84	46.00	12.16	15 000.0	9.000	N	ON	19.8
4.378 000	48.89	---	56.00	7.11	15 000.0	9.000	N	ON	19.8
4.558 000	---	34.18	46.00	11.82	15 000.0	9.000	N	ON	19.9
4.558 000	47.38	---	56.00	8.62	15 000.0	9.000	N	ON	19.9
8.934 000	---	34.16	50.00	15.84	15 000.0	9.000	N	ON	20.1
8.934 000	46.21	---	60.00	13.79	15 000.0	9.000	N	ON	20.1
13.190 000	---	37.95	50.00	12.05	15 000.0	9.000	N	ON	20.3
13.190 000	49.55	---	60.00	10.45	15 000.0	9.000	N	ON	20.3
13.398 000	---	37.21	50.00	12.79	15 000.0	9.000	N	ON	20.3
13.398 000	49.72	---	60.00	10.28	15 000.0	9.000	N	ON	20.3

- Test Mode: 4)



Final Result

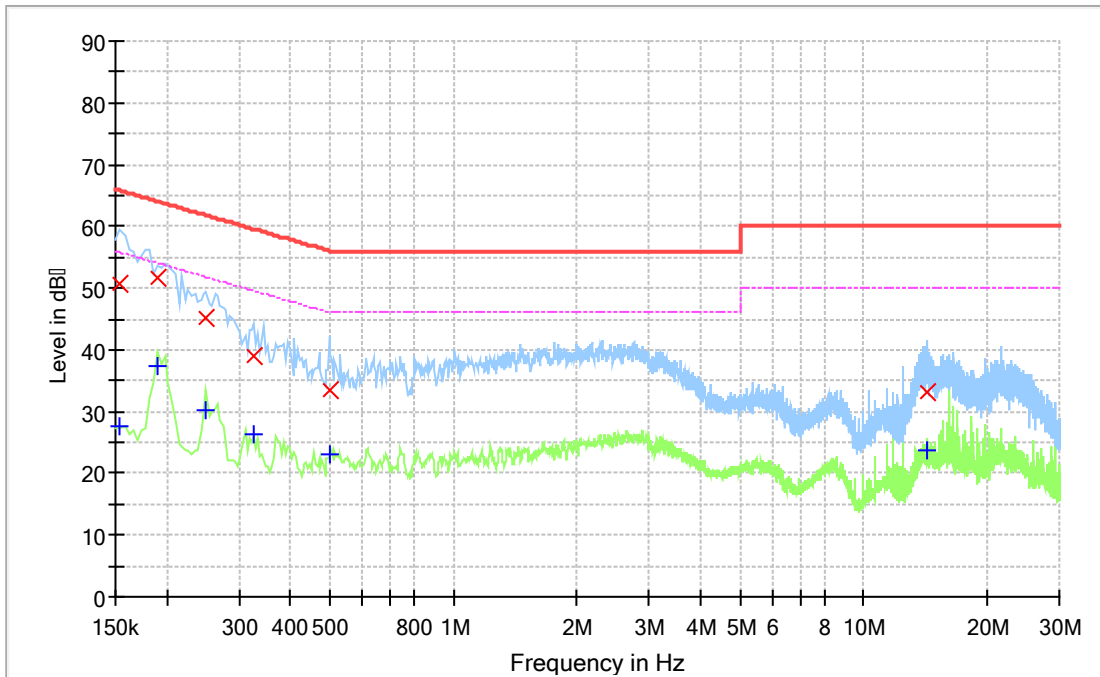
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.162 000	---	26.99	55.36	28.37	15 000.0	9.000	L1	ON	19.9
0.162 000	49.36	---	65.36	16.00	15 000.0	9.000	L1	ON	19.9
0.202 000	---	35.73	53.53	17.80	15 000.0	9.000	L1	ON	19.8
0.202 000	50.85	---	63.53	12.68	15 000.0	9.000	L1	ON	19.8
0.266 000	---	28.65	51.24	22.59	15 000.0	9.000	L1	ON	19.7
0.266 000	44.53	---	61.24	16.71	15 000.0	9.000	L1	ON	19.7
0.334 000	---	25.68	49.35	23.67	15 000.0	9.000	L1	ON	19.9
0.334 000	38.65	---	59.35	20.70	15 000.0	9.000	L1	ON	19.9
0.442 000	---	25.21	47.02	21.81	15 000.0	9.000	L1	ON	20.0
0.442 000	36.93	---	57.02	20.09	15 000.0	9.000	L1	ON	20.0
0.594 000	---	20.94	46.00	25.06	15 000.0	9.000	L1	ON	19.9
0.594 000	31.65	---	56.00	24.35	15 000.0	9.000	L1	ON	19.9



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154 000	---	27.72	55.78	28.06	15 000.0	9.000	N	ON	19.8
0.154 000	50.68	---	65.78	15.10	15 000.0	9.000	N	ON	19.8
0.186 000	---	37.16	54.21	17.05	15 000.0	9.000	N	ON	19.9
0.186 000	53.36	---	64.21	10.85	15 000.0	9.000	N	ON	19.9
0.254 000	---	30.49	51.63	21.14	15 000.0	9.000	N	ON	19.7
0.254 000	45.71	---	61.63	15.92	15 000.0	9.000	N	ON	19.7
0.322 000	---	26.57	49.66	23.09	15 000.0	9.000	N	ON	19.8
0.322 000	40.12	---	59.66	19.54	15 000.0	9.000	N	ON	19.8
0.438 000	---	25.34	47.10	21.76	15 000.0	9.000	N	ON	20.0
0.438 000	37.28	---	57.10	19.82	15 000.0	9.000	N	ON	20.0
14.070 000	---	22.33	50.00	27.67	15 000.0	9.000	N	ON	20.4
14.070 000	33.50	---	60.00	26.50	15 000.0	9.000	N	ON	20.4

- Test Mode: 5)



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154 000	---	27.63	55.78	28.15	15 000.0	9.000	L1	ON	19.8
0.154 000	50.69	---	65.78	15.09	15 000.0	9.000	L1	ON	19.8
0.190 000	---	37.53	54.04	16.51	15 000.0	9.000	L1	ON	19.9
0.190 000	51.51	---	64.04	12.53	15 000.0	9.000	L1	ON	19.9
0.250 000	---	30.34	51.76	21.42	15 000.0	9.000	L1	ON	19.7
0.250 000	45.25	---	61.76	16.51	15 000.0	9.000	L1	ON	19.7
0.326 000	---	26.16	49.55	23.39	15 000.0	9.000	L1	ON	19.8
0.326 000	38.99	---	59.55	20.56	15 000.0	9.000	L1	ON	19.8
0.498 000	---	23.04	46.03	22.99	15 000.0	9.000	L1	ON	20.0
0.498 000	33.54	---	56.03	22.49	15 000.0	9.000	L1	ON	20.0
14.286 000	---	23.64	50.00	26.36	15 000.0	9.000	L1	ON	20.3
14.286 000	33.29	---	60.00	26.71	15 000.0	9.000	L1	ON	20.3

2.4 Radiated Emission

The initial preliminary exploratory scans were performed over the measuring frequency range (30 MHz to 40 GHz) using a max hold mode incorporating a Peak detector and using the software of EMC32 (Version V9.26.01 from R&S) and (Version V10.40.10 from R&S). The final test data was measured using a Quasi-Peak detector below 1 GHz and Peak and CISPR-Average detector above 1 GHz.

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

Equipment	Model	Manufacturer	Serial No	Cal Due. Date
EMI TEST RECEIVER	ESU40	R&S	100075	2020.08.13
EMI TEST RECEIVER	ESU26	R&S	100570	2021.02.20
TRILOG ANTENNA	VULB 9162	SCHWARZBECK	9162-186	2020.07.27
Double Ridged Horn Antenna	HF907	R&S	102578	2021.01.24
Double Ridged Horn Antenna	BBHA9170	SCHWARZBECK	BBHA9170454	2021.05.19
PREAMPLIFIER	AM-1431	MITEQ	1336160	2021.05.25
AMPLIFIER	SCU 18	R&S	10070	2020.08.22
Low Noise Amplifier	TK-PA1840H	TESTEK	110006	2021.01.02
RF Cable (EMH-1Lab-RE-01)	-	-	-	2020.07.30
RF Cable (EMH-1Lab-RE-04)	-	-	-	2020.07.30
RF Cable (EMH-2Lab-RE-03)	-	-	-	2020.07.30
RF Cable (EMH-2Lab-RE-04)	SUCOFLEX1 02	803076/2	HUBER+SHU NER	2020.07.30
10m SEMI-ANECHOIC CHAMBER	-	SY CORPORATION	-	-
3m SEMI-ANECHOIC CHAMBER	-	Will Tech	-	-

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

2.4.2 Test Site

① Below 1 GHz

10m SEMI-ANECHOIC CHAMBER in Giheung 1 Laboratory

② Above 1 GHz

3m SEMI-ANECHOIC CHAMBER in Giheung 2 Laboratory

2.4.3 Environment Conditions

① Below 1 GHz

Temperature : (minimum 20.4, maximum 22.1) °C

Humidity : (minimum 39.0, maximum 42.0) % R.H.

Atmospheric Pressure : (minimum 99.6, maximum 100.3) kPa

Test Date: June 19, 2020 & June 23, 2020

② Above 1 GHz

Temperature : (minimum 21.0, maximum 23.5) °C

Humidity : (minimum 36.0, maximum 41.0) % R.H.

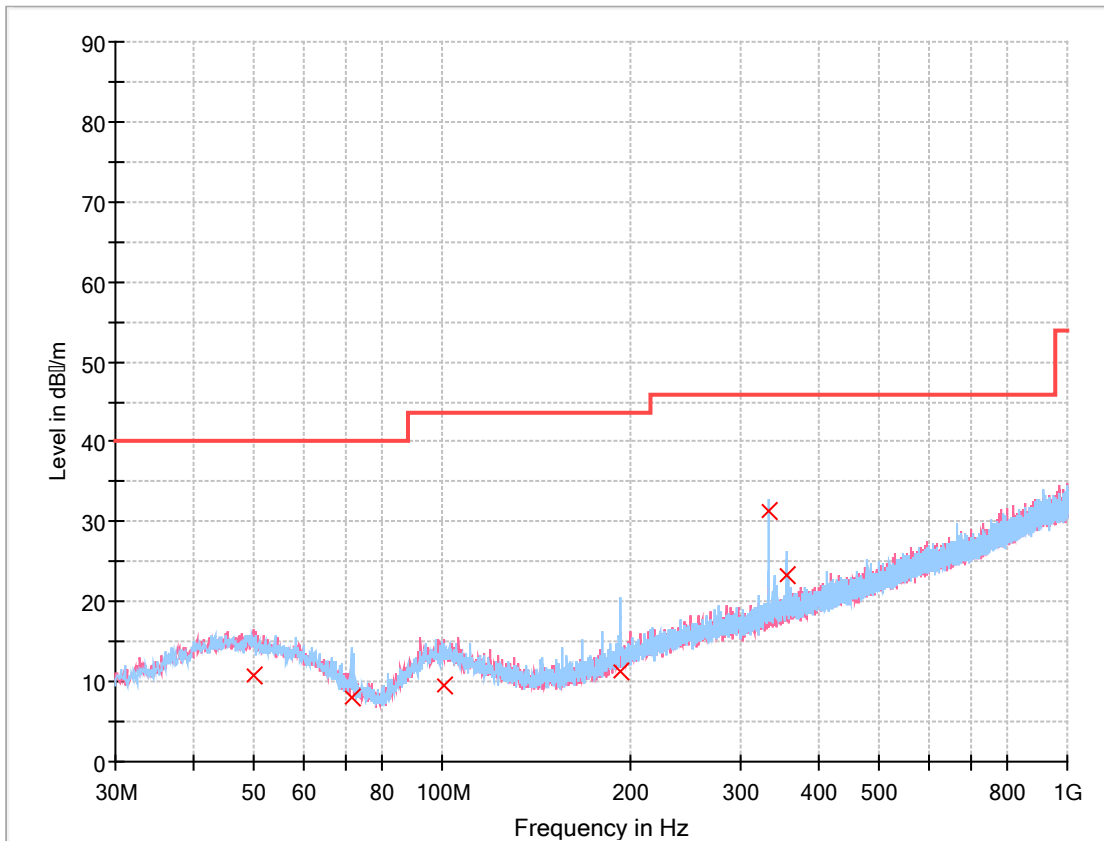
Atmospheric Pressure : (minimum 99.7, maximum 99.8) kPa

Test Date: June 18, 2020 & June 19, 2020

2.4.4 Test Results

① Below 1 GHz (10m Method)

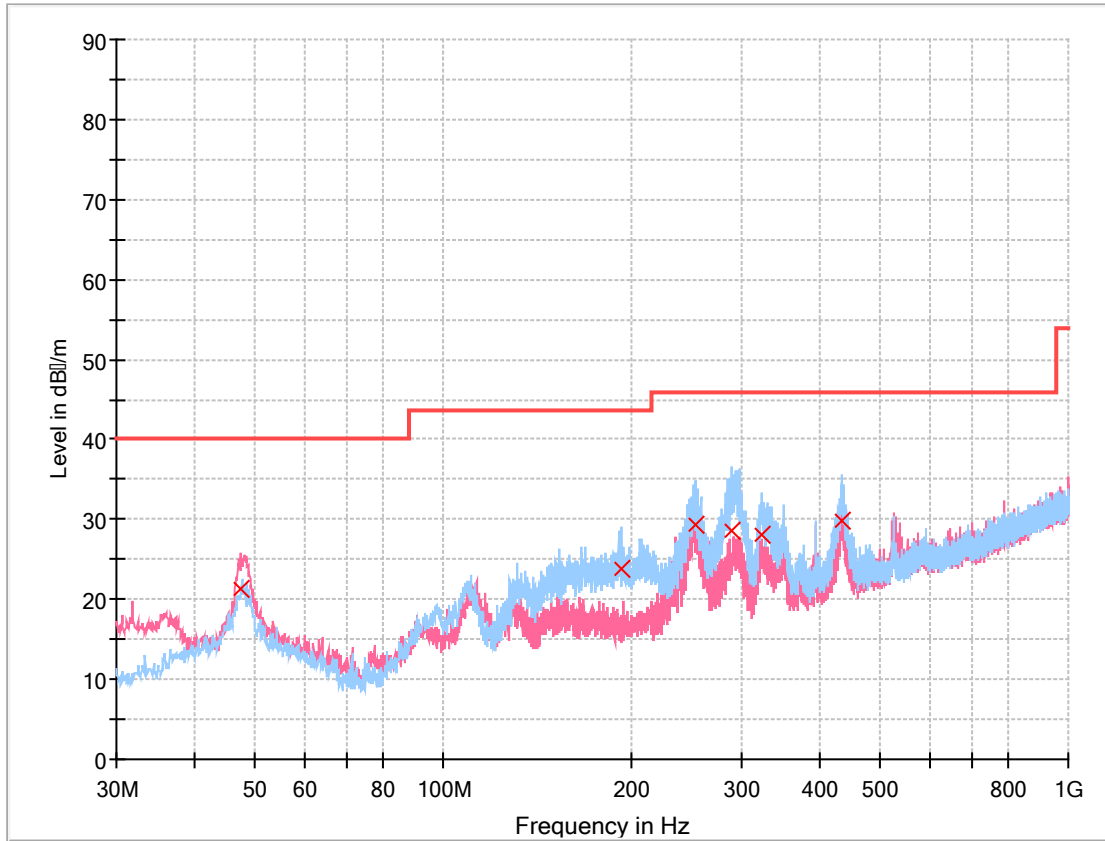
- Test Mode: 1)



Final Result

Frequency (MHz)	QuasiPeak (dB μ /m)	Limit (dB μ /m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
49.788 000	10.86	40.00	29.14	15 000.0	120.000	228.0	V	309.0	-17.1
71.516 000	8.00	40.00	32.00	15 000.0	120.000	330.0	H	98.0	-22.4
100.519 000	9.50	43.50	34.00	15 000.0	120.000	141.0	V	327.0	-18.2
192.572 000	11.34	43.50	32.16	15 000.0	120.000	225.0	H	169.0	-18.9
332.543 000	31.36	46.00	14.64	15 000.0	120.000	141.0	H	0.0	-13.4
356.502 000	23.20	46.00	22.80	15 000.0	120.000	150.0	H	0.0	-12.5

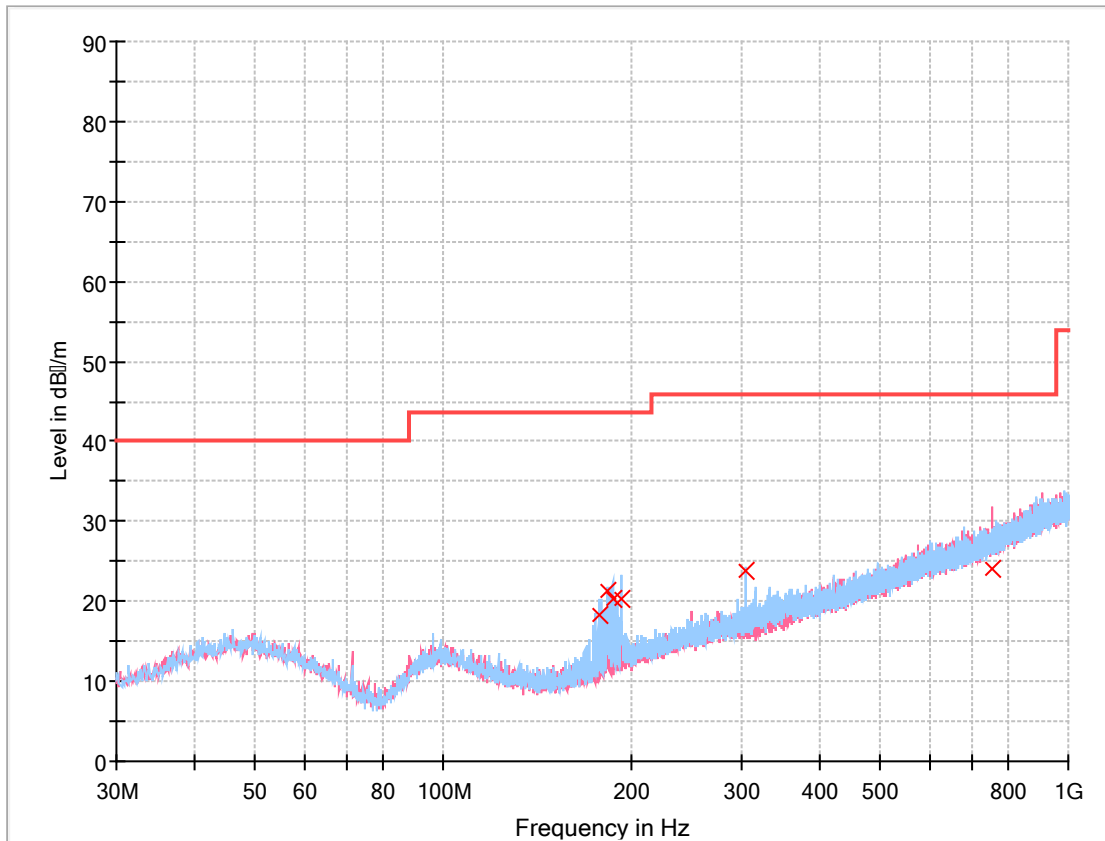
- Test Mode: 2)



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
47.460 000	21.19	40.00	18.81	15 000.0	120.000	122.0	V	62.0	-17.1
192.281 000	23.84	43.50	19.66	15 000.0	120.000	131.0	H	73.0	-18.9
252.906 000	29.21	46.00	16.79	15 000.0	120.000	137.0	H	27.0	-15.8
289.087 000	28.63	46.00	17.37	15 000.0	120.000	144.0	H	338.0	-14.8
323.037 000	28.20	46.00	17.80	15 000.0	120.000	150.0	H	317.0	-13.7
434.781 000	29.91	46.00	16.09	15 000.0	120.000	128.0	H	338.0	-10.2

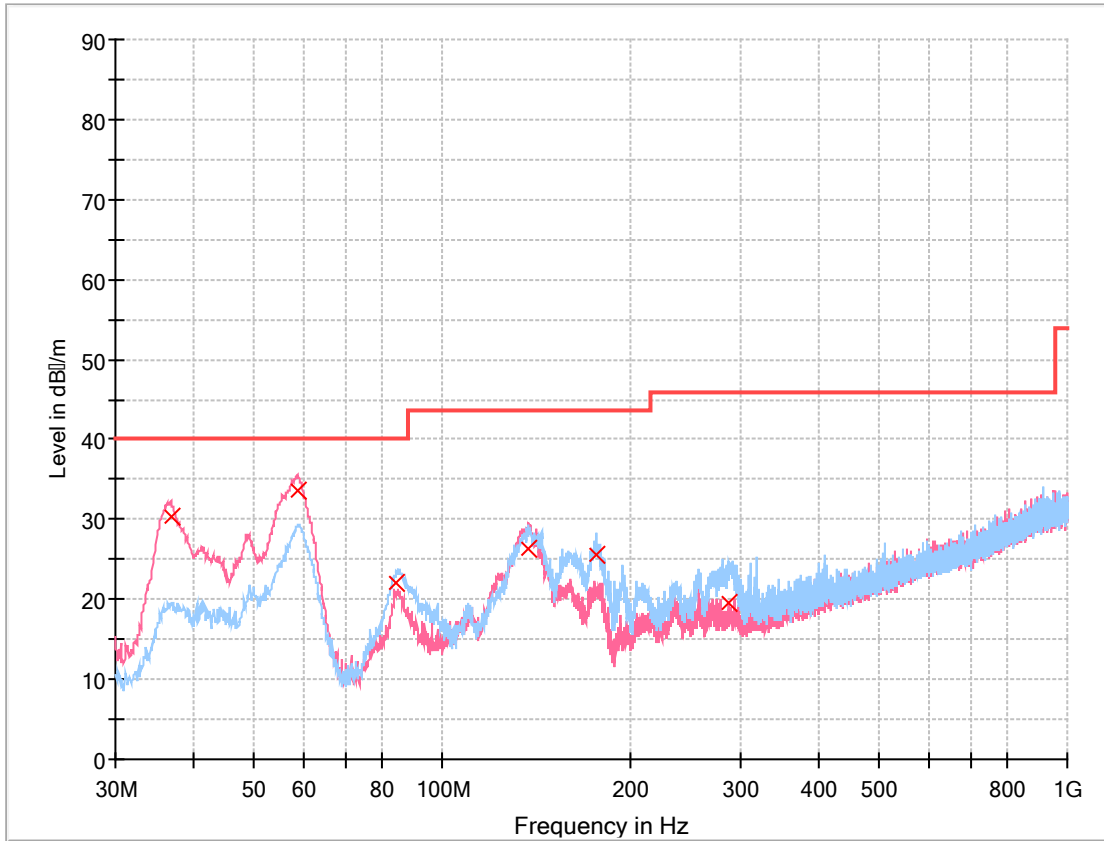
- Test Mode: 3)



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
177.246 000	18.37	43.50	25.13	15 000.0	120.000	250.0	H	0.0	-20.3
182.969 000	21.43	43.50	22.07	15 000.0	120.000	241.0	H	0.0	-19.8
186.558 000	20.36	43.50	23.14	15 000.0	120.000	133.0	H	4.0	-19.5
192.766 000	20.42	43.50	23.08	15 000.0	120.000	220.0	H	197.0	-18.8
304.995 000	23.80	46.00	22.20	15 000.0	120.000	126.0	H	13.0	-14.4
756.821 000	24.14	46.00	21.86	15 000.0	120.000	400.0	V	303.0	-3.6

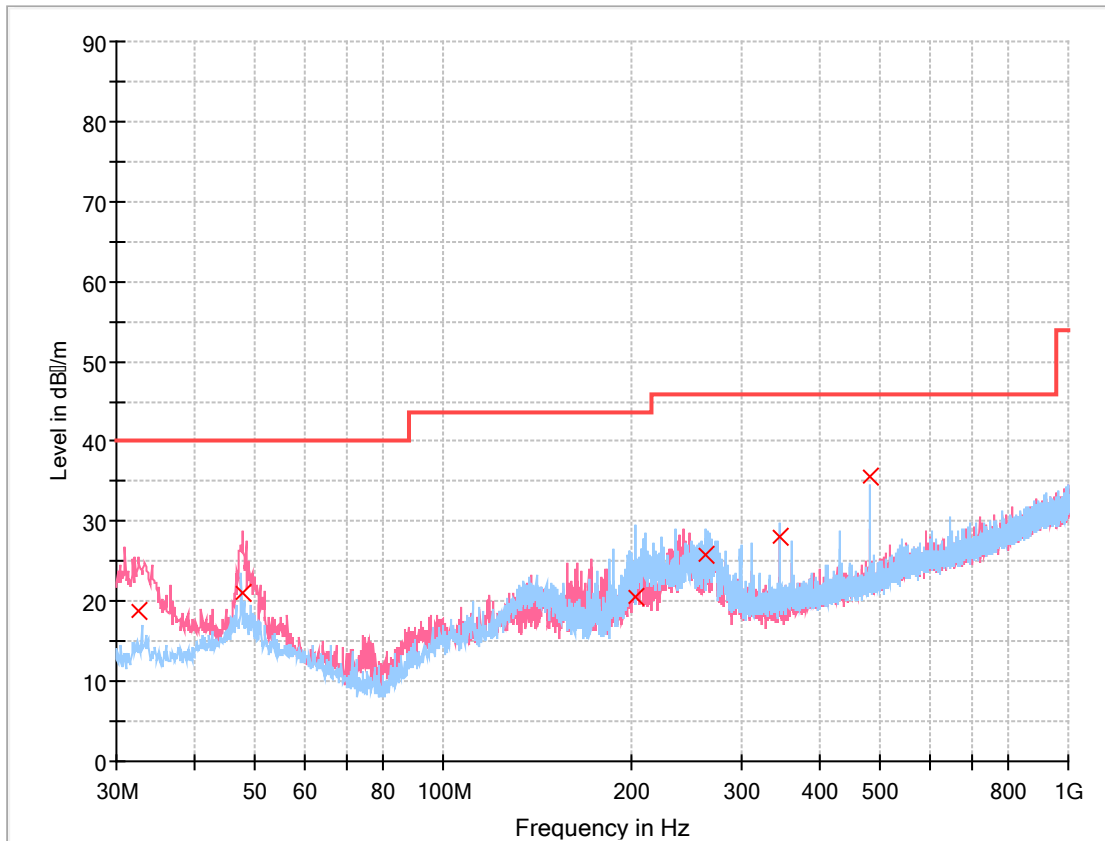
- Test Mode: 4)



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.790 000	30.32	40.00	9.68	15 000.0	120.000	150.0	V	264.0	-19.3
58.518 000	33.59	40.00	6.41	15 000.0	120.000	144.0	V	307.0	-18.6
84.611 000	22.04	40.00	17.96	15 000.0	120.000	232.0	H	322.0	-22.0
136.991 000	26.42	43.50	17.08	15 000.0	120.000	137.0	V	329.0	-21.7
176.567 000	25.45	43.50	18.05	15 000.0	120.000	200.0	H	0.0	-20.3
287.438 000	19.60	46.00	26.40	15 000.0	120.000	121.0	H	201.0	-14.9

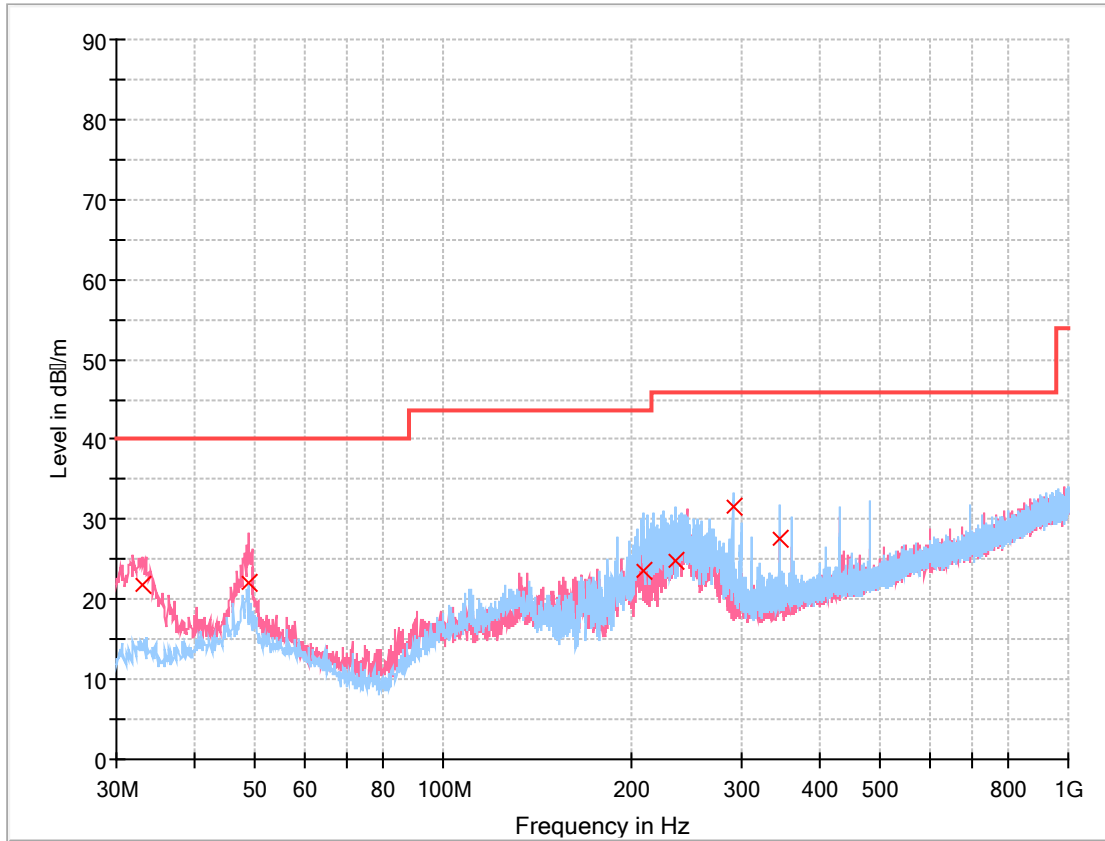
- Test Mode: 5)



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.619 000	18.76	40.00	21.24	15 000.0	120.000	222.0	V	0.0	-20.8
47.751 000	21.16	40.00	18.84	15 000.0	120.000	131.0	V	95.0	-17.1
203.436 000	20.68	43.50	22.82	15 000.0	120.000	250.0	H	233.0	-18.0
262.121 000	25.75	46.00	20.25	15 000.0	120.000	141.0	H	20.0	-15.5
344.959 000	28.08	46.00	17.92	15 000.0	120.000	136.0	V	139.0	-12.9
479.983 000	35.58	46.00	10.42	15 000.0	120.000	100.0	H	302.0	-9.0

- Test Mode: 6)



Final Result

Frequency (MHz)	QuasiPeak (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.007 000	21.69	40.00	18.31	15 000.0	120.000	133.0	V	102.0	-20.6
48.915 000	22.02	40.00	17.98	15 000.0	120.000	125.0	V	36.0	-17.1
208.480 000	23.67	43.50	19.83	15 000.0	120.000	244.0	H	295.0	-17.7
234.767 000	24.94	46.00	21.06	15 000.0	120.000	131.0	H	88.0	-16.5
290.542 000	31.70	46.00	14.30	15 000.0	120.000	150.0	H	50.0	-14.8
344.959 000	27.66	46.00	18.34	15 000.0	120.000	100.0	H	65.0	-12.9

Measurement Uncertainty (Horizontal) : 3.89 dB (The confidential level is about 95 %, k=2)

Measurement Uncertainty (Vertical) : 4.51 dB (The confidential level is about 95 %, k=2)

Note : ● POL H = Horizontal

● POL V = Vertical

● Margin = Limit – Quasi Peak

● Corr. = Antenna Factor + Cable loss – Amplifier Gain

Ex) In case

Freq ; 100 MHz, level ; 30 dB(μV/m), AF ; 10 dB/m, CL ; 4 dB, Amp ; 25 dB

Result = Level + AF + CL – Amp

= 30 + 10 + 4 - 25

= 19

Margin = Limit – Result

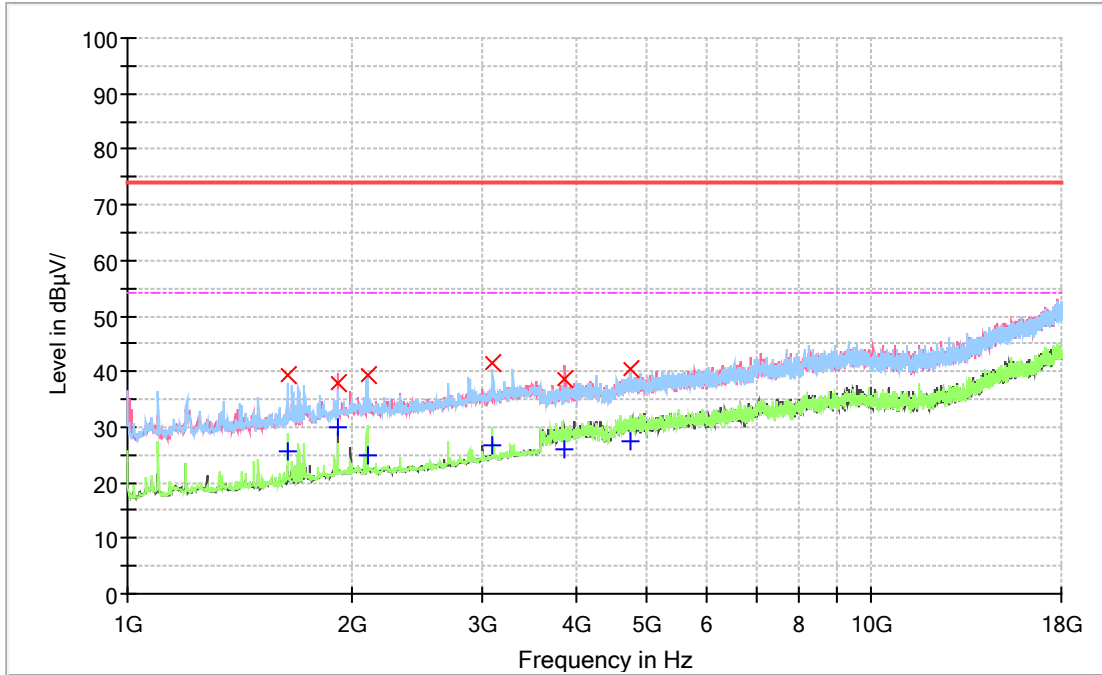
= 43.5 – 19

= 24.5

②Above 1 GHz(3m Method)

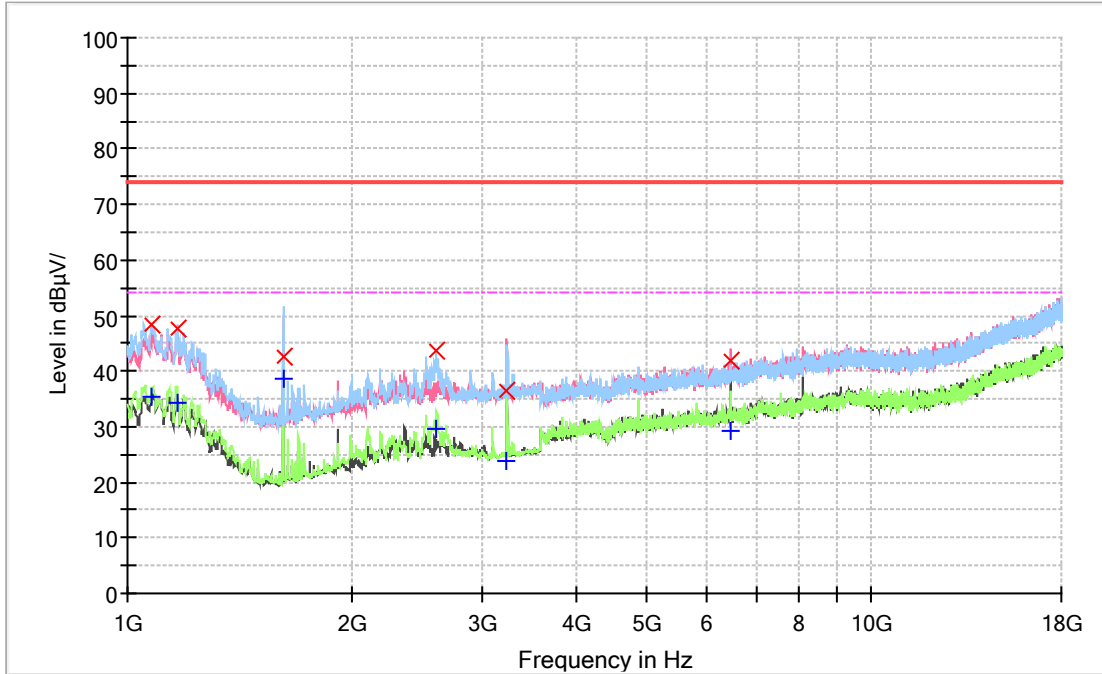
- 1 GHz ~ 18 GHz

- Test Mode: 1)



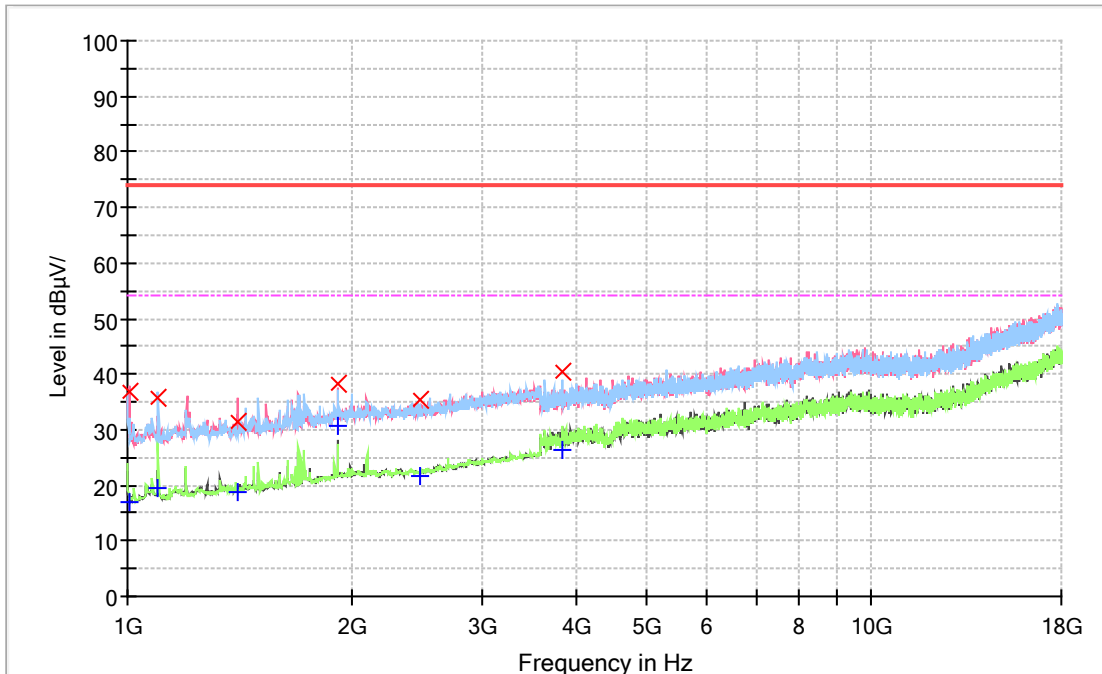
Frequency (MHz)	MaxPeak (dB μ V/m)	Coverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 639.200 000	39.50	---	74.00	34.50	15 000.0	1 000.000	400.0	H	0.0	-16.0
1 639.200 000	---	25.78	54.00	28.22	15 000.0	1 000.000	400.0	H	0.0	-16.0
1 919.700 000	37.79	---	74.00	36.21	15 000.0	1 000.000	221.0	V	150.0	-14.3
1 919.700 000	---	30.10	54.00	23.90	15 000.0	1 000.000	221.0	V	150.0	-14.3
2 099.900 000	39.46	---	74.00	34.54	15 000.0	1 000.000	330.0	H	0.0	-13.6
2 099.900 000	---	25.06	54.00	28.94	15 000.0	1 000.000	330.0	H	0.0	-13.6
3 099.500 000	---	26.67	54.00	27.33	15 000.0	1 000.000	400.0	H	125.0	-10.2
3 099.500 000	41.56	---	74.00	32.44	15 000.0	1 000.000	400.0	H	125.0	-10.2
3 876.400 000	38.74	---	74.00	35.26	15 000.0	1 000.000	317.0	V	101.0	-8.1
3 876.400 000	---	26.08	54.00	27.92	15 000.0	1 000.000	317.0	V	101.0	-8.1
4 733.200 000	---	27.26	54.00	26.74	15 000.0	1 000.000	325.0	H	261.0	-6.3
4 733.200 000	40.27	---	74.00	33.73	15 000.0	1 000.000	325.0	H	261.0	-6.3

- Test Mode: 2)



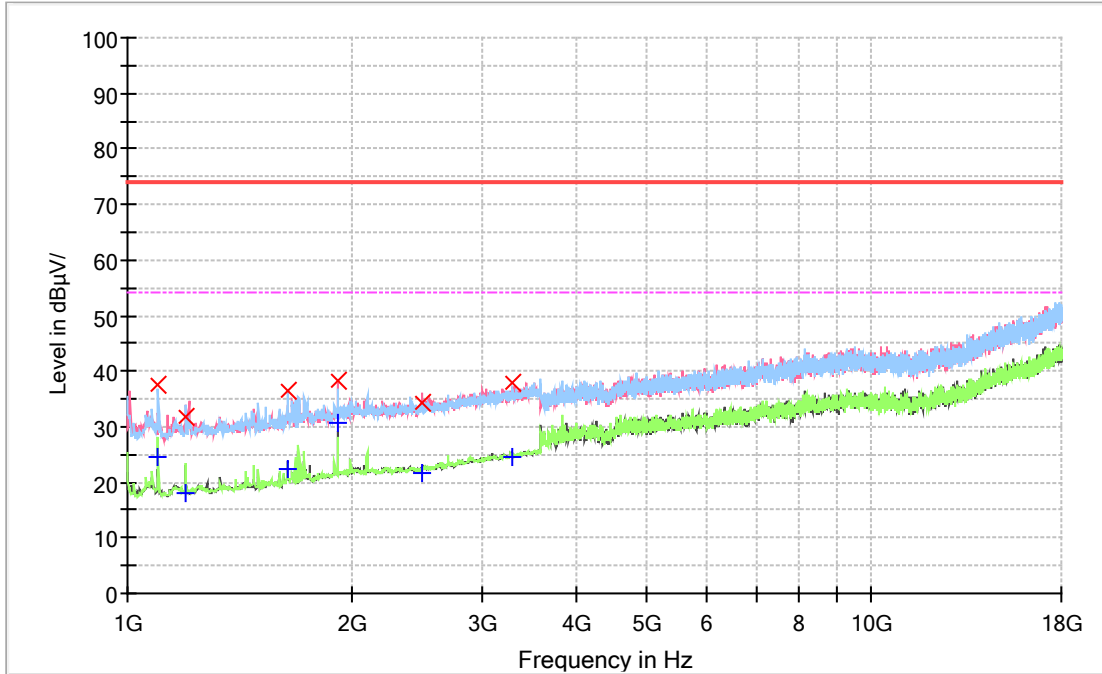
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 074.800 000	48.47	---	74.00	25.53	15 000.0	1 000.000	250.0	H	223.0	-18.7
1 074.800 000	---	35.27	54.00	18.73	15 000.0	1 000.000	250.0	H	223.0	-18.7
1 166.600 000	47.81	---	74.00	26.19	15 000.0	1 000.000	244.0	H	144.0	-18.3
1 166.600 000	---	34.31	54.00	19.69	15 000.0	1 000.000	244.0	H	144.0	-18.3
1 620.500 000	---	38.76	54.00	15.24	15 000.0	1 000.000	127.0	H	120.0	-16.2
1 620.500 000	42.49	---	74.00	31.51	15 000.0	1 000.000	127.0	H	120.0	-16.2
2 604.800 000	---	29.76	54.00	24.24	15 000.0	1 000.000	100.0	H	157.0	-12.3
2 604.800 000	43.66	---	74.00	30.34	15 000.0	1 000.000	100.0	H	157.0	-12.3
3 238.900 000	36.51	---	74.00	37.49	15 000.0	1 000.000	100.0	V	187.0	-9.8
3 238.900 000	---	23.91	54.00	30.09	15 000.0	1 000.000	100.0	V	187.0	-9.8
6 479.100 000	41.93	---	74.00	32.07	15 000.0	1 000.000	136.0	V	143.0	-3.7
6 479.100 000	---	29.33	54.00	24.67	15 000.0	1 000.000	136.0	V	143.0	-3.7

- Test Mode: 3)



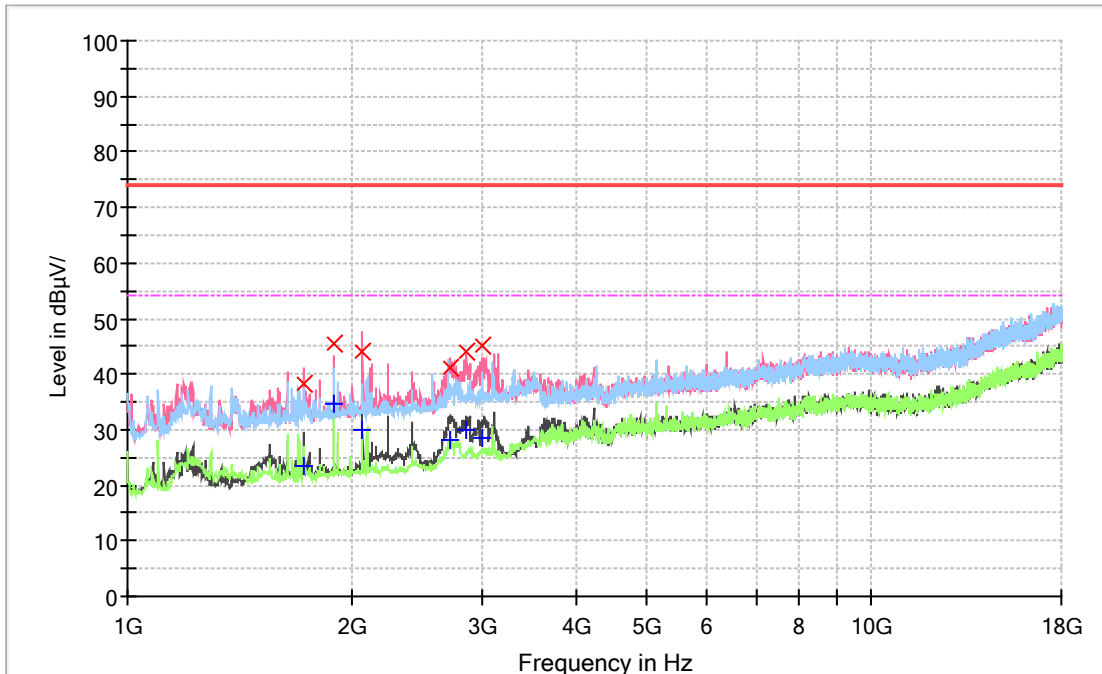
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 006.800 000	---	17.01	54.00	36.99	15 000.0	1 000.000	128.0	V	314.0	-19.0
1 006.800 000	36.93	---	74.00	37.07	15 000.0	1 000.000	128.0	V	314.0	-19.0
1 098.600 000	35.72	---	74.00	38.28	15 000.0	1 000.000	133.0	H	208.0	-18.6
1 098.600 000	---	19.46	54.00	34.54	15 000.0	1 000.000	133.0	H	208.0	-18.6
1 408.000 000	31.54	---	74.00	42.46	15 000.0	1 000.000	150.0	V	92.0	-17.3
1 408.000 000	---	18.62	54.00	35.38	15 000.0	1 000.000	150.0	V	92.0	-17.3
1 919.700 000	---	30.69	54.00	23.31	15 000.0	1 000.000	200.0	V	239.0	-14.3
1 919.700 000	38.25	---	74.00	35.75	15 000.0	1 000.000	200.0	V	239.0	-14.3
2 473.900 000	35.29	---	74.00	38.71	15 000.0	1 000.000	200.0	H	11.0	-12.8
2 473.900 000	---	21.68	54.00	32.32	15 000.0	1 000.000	200.0	H	11.0	-12.8
3 839.000 000	40.37	---	74.00	33.63	15 000.0	1 000.000	244.0	H	206.0	-8.2
3 839.000 000	---	26.41	54.00	27.59	15 000.0	1 000.000	244.0	H	206.0	-8.2

- Test Mode: 4)



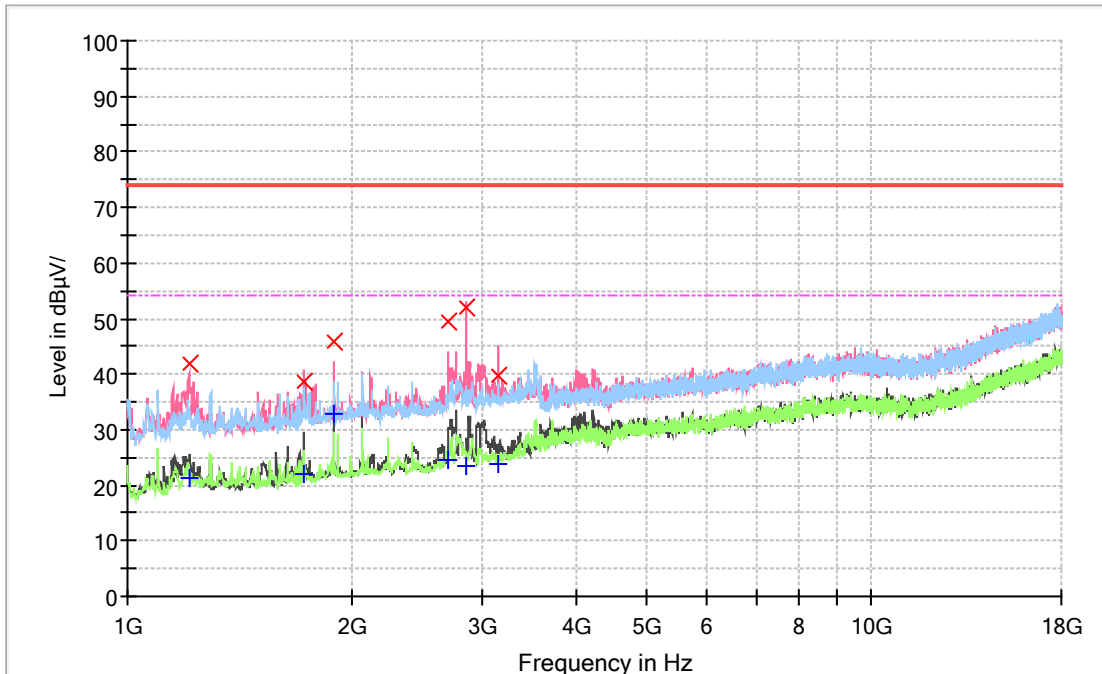
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 100.300 000	---	24.41	54.00	29.59	15 000.0	1 000.000	150.0	H	139.0	-18.5
1 100.300 000	37.68	---	74.00	36.32	15 000.0	1 000.000	150.0	H	139.0	-18.5
1 198.900 000	31.75	---	74.00	42.25	15 000.0	1 000.000	144.0	V	45.0	-18.1
1 198.900 000	---	18.16	54.00	35.84	15 000.0	1 000.000	144.0	V	45.0	-18.1
1 639.200 000	36.51	---	74.00	37.49	15 000.0	1 000.000	200.0	H	2.0	-16.0
1 639.200 000	---	22.50	54.00	31.50	15 000.0	1 000.000	200.0	H	2.0	-16.0
1 919.700 000	38.16	---	74.00	35.84	15 000.0	1 000.000	200.0	V	332.0	-14.3
1 919.700 000	---	30.83	54.00	23.17	15 000.0	1 000.000	200.0	V	332.0	-14.3
2 487.500 000	---	21.61	54.00	32.39	15 000.0	1 000.000	231.0	V	101.0	-12.8
2 487.500 000	34.42	---	74.00	39.58	15 000.0	1 000.000	231.0	V	101.0	-12.8
3 300.100 000	37.81	---	74.00	36.19	15 000.0	1 000.000	150.0	V	169.0	-9.6
3 300.100 000	---	24.43	54.00	29.57	15 000.0	1 000.000	150.0	V	169.0	-9.6

- Test Mode: 5)



Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 724.200 000	38.22	---	74.00	35.78	15 000.0	1 000.000	125.0	V	76.0	-15.5
1 724.200 000	---	23.54	54.00	30.46	15 000.0	1 000.000	125.0	V	76.0	-15.5
1 897.600 000	45.62	---	74.00	28.38	15 000.0	1 000.000	133.0	V	57.0	-14.4
1 897.600 000	---	34.70	54.00	19.30	15 000.0	1 000.000	133.0	V	57.0	-14.4
2 069.300 000	---	30.06	54.00	23.94	15 000.0	1 000.000	100.0	V	147.0	-13.6
2 069.300 000	44.18	---	74.00	29.82	15 000.0	1 000.000	100.0	V	147.0	-13.6
2 706.800 000	---	28.12	54.00	25.88	15 000.0	1 000.000	127.0	V	274.0	-11.8
2 706.800 000	41.05	---	74.00	32.95	15 000.0	1 000.000	127.0	V	274.0	-11.8
2 846.200 000	44.11	---	74.00	29.89	15 000.0	1 000.000	141.0	V	183.0	-11.2
2 846.200 000	---	29.81	54.00	24.19	15 000.0	1 000.000	141.0	V	183.0	-11.2
2 995.800 000	45.22	---	74.00	28.78	15 000.0	1 000.000	150.0	V	202.0	-10.5
2 995.800 000	---	28.41	54.00	25.59	15 000.0	1 000.000	150.0	V	202.0	-10.5

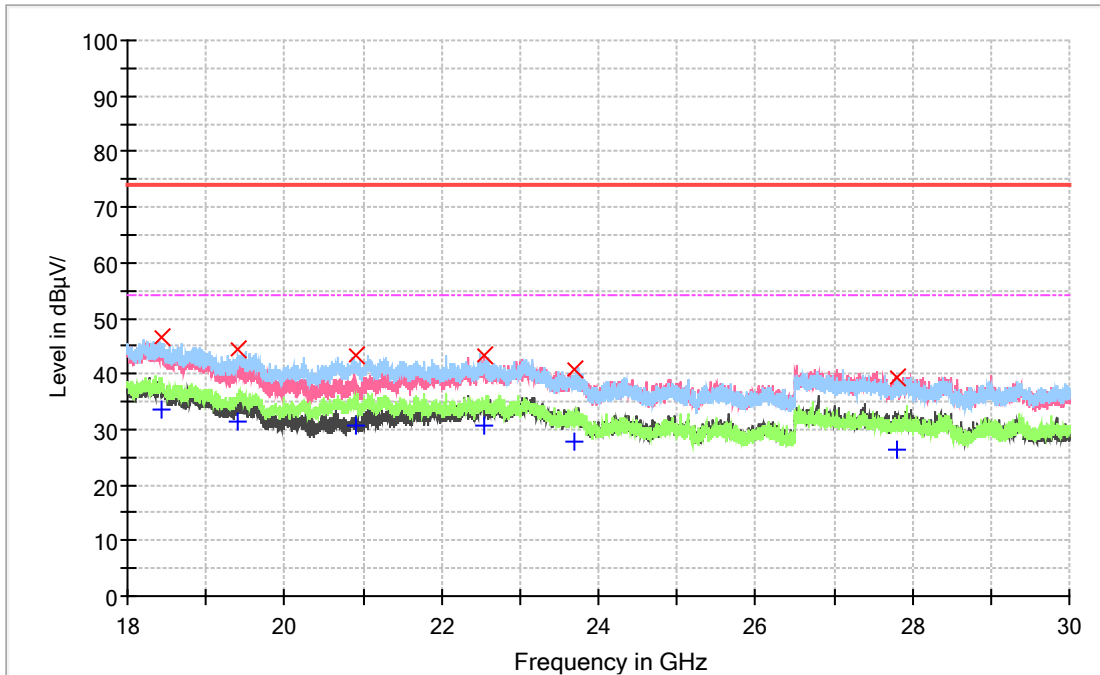
- Test Mode: 6)



Frequency (MHz)	MaxPeak (dB μ V/m)	Coverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 209.100 000	41.78	---	74.00	32.22	15 000.0	1 000.000	121.0	V	75.0	-18.1
1 209.100 000	---	21.19	54.00	32.81	15 000.0	1 000.000	121.0	V	75.0	-18.1
1 724.200 000	---	22.09	54.00	31.91	15 000.0	1 000.000	136.0	V	183.0	-15.5
1 724.200 000	38.79	---	74.00	35.21	15 000.0	1 000.000	136.0	V	183.0	-15.5
1 897.600 000	---	32.87	54.00	21.13	15 000.0	1 000.000	100.0	V	57.0	-14.4
1 897.600 000	45.86	---	74.00	28.14	15 000.0	1 000.000	100.0	V	57.0	-14.4
2 698.300 000	49.43	---	74.00	24.57	15 000.0	1 000.000	150.0	V	111.0	-11.8
2 698.300 000	---	24.72	54.00	29.28	15 000.0	1 000.000	150.0	V	111.0	-11.8
2 847.900 000	52.09	---	74.00	21.91	15 000.0	1 000.000	233.0	V	173.0	-11.2
2 847.900 000	---	23.52	54.00	30.48	15 000.0	1 000.000	233.0	V	173.0	-11.2
3 147.100 000	39.75	---	74.00	34.25	15 000.0	1 000.000	222.0	V	118.0	-10.1
3 147.100 000	---	23.65	54.00	30.35	15 000.0	1 000.000	222.0	V	118.0	-10.1

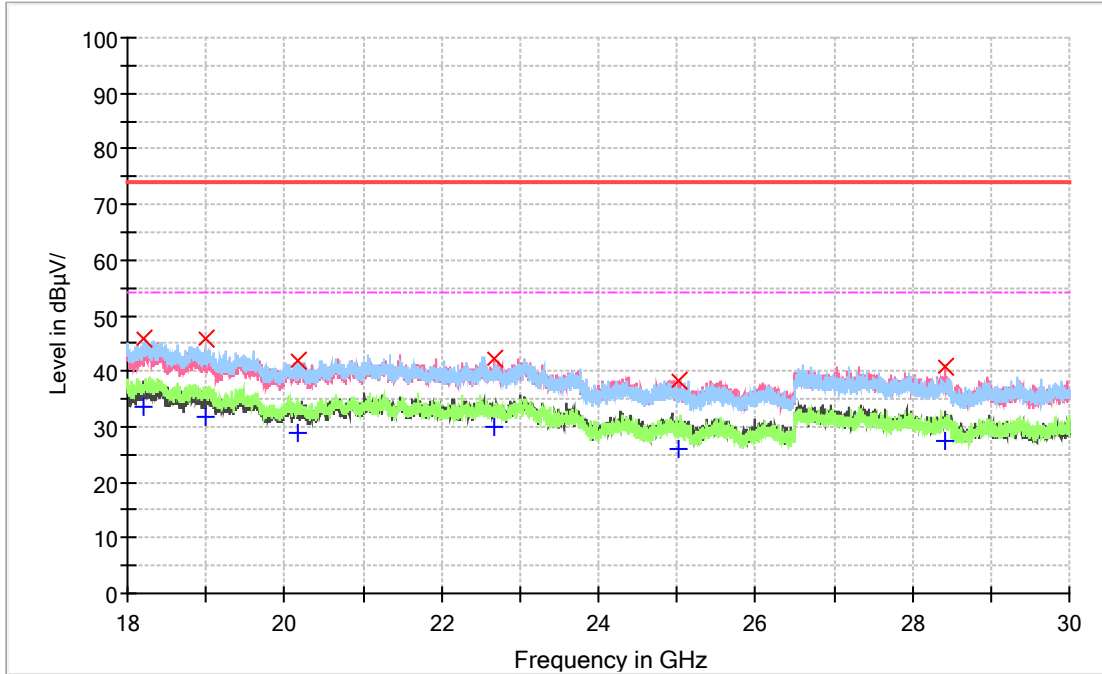
- 18 GHz ~ 30 GHz

- Test Mode: 1)



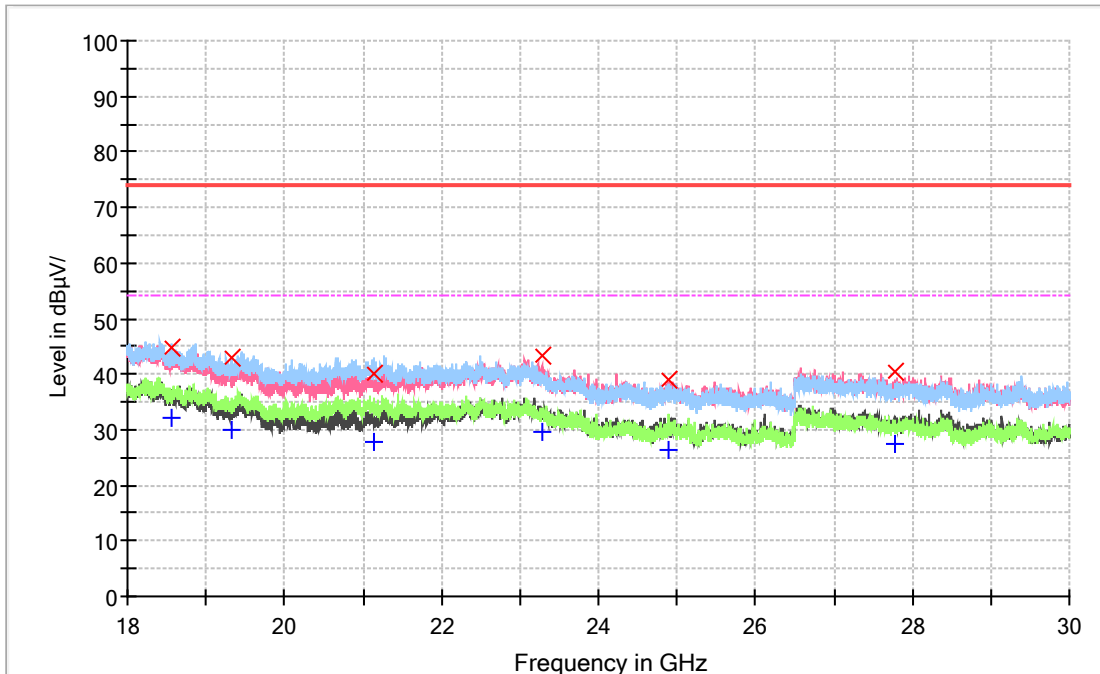
Frequency (MHz)	MaxPeak (dB μ V/m)	Coverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18 435.600 000	46.57	---	74.00	27.43	15 000.0	1 000.000	128.0	V	38.0	-2.4
18 435.600 000	---	33.70	54.00	20.30	15 000.0	1 000.000	128.0	V	38.0	-2.4
19 414.800 000	44.24	---	74.00	29.76	15 000.0	1 000.000	400.0	H	186.0	-4.5
19 414.800 000	---	31.38	54.00	22.62	15 000.0	1 000.000	400.0	H	186.0	-4.5
20 905.200 000	43.38	---	74.00	30.62	15 000.0	1 000.000	223.0	H	186.0	-4.0
20 905.200 000	---	30.72	54.00	23.28	15 000.0	1 000.000	223.0	H	186.0	-4.0
22 536.000 000	43.45	---	74.00	30.55	15 000.0	1 000.000	341.0	V	52.0	-4.1
22 536.000 000	---	30.62	54.00	23.38	15 000.0	1 000.000	341.0	V	52.0	-4.1
23 692.800 000	---	27.91	54.00	26.09	15 000.0	1 000.000	150.0	V	0.0	-5.7
23 692.800 000	40.80	---	74.00	33.20	15 000.0	1 000.000	150.0	V	0.0	-5.7
27 804.000 000	---	26.40	54.00	27.60	15 000.0	1 000.000	200.0	H	16.0	-9.1
27 804.000 000	39.38	---	74.00	34.62	15 000.0	1 000.000	200.0	H	16.0	-9.1

- Test Mode: 2)



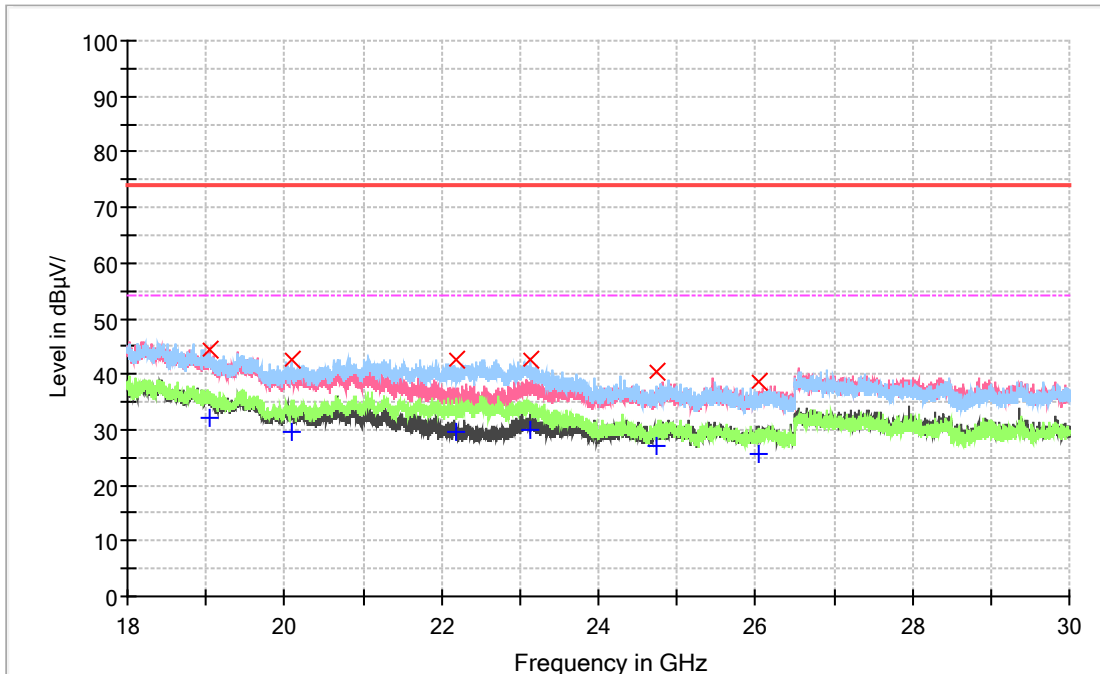
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18 194.400 000	---	33.56	54.00	20.44	15 000.0	1 000.000	236.0	H	0.0	-2.0
18 194.400 000	45.88	---	74.00	28.12	15 000.0	1 000.000	236.0	H	0.0	-2.0
19 005.600 000	---	31.84	54.00	22.16	15 000.0	1 000.000	245.0	H	48.0	-3.7
19 005.600 000	45.96	---	74.00	28.04	15 000.0	1 000.000	245.0	H	48.0	-3.7
20 169.600 000	---	29.06	54.00	24.94	15 000.0	1 000.000	350.0	H	245.0	-5.4
20 169.600 000	41.72	---	74.00	32.28	15 000.0	1 000.000	350.0	H	245.0	-5.4
22 682.400 000	42.22	---	74.00	31.78	15 000.0	1 000.000	333.0	V	28.0	-3.9
22 682.400 000	---	29.79	54.00	24.21	15 000.0	1 000.000	333.0	V	28.0	-3.9
25 009.200 000	38.19	---	74.00	35.81	15 000.0	1 000.000	100.0	V	331.0	-7.4
25 009.200 000	---	25.84	54.00	28.16	15 000.0	1 000.000	100.0	V	331.0	-7.4
28 406.400 000	---	27.33	54.00	26.67	15 000.0	1 000.000	387.0	V	116.0	-8.6
28 406.400 000	40.64	---	74.00	33.36	15 000.0	1 000.000	387.0	V	116.0	-8.6

- Test Mode: 3)



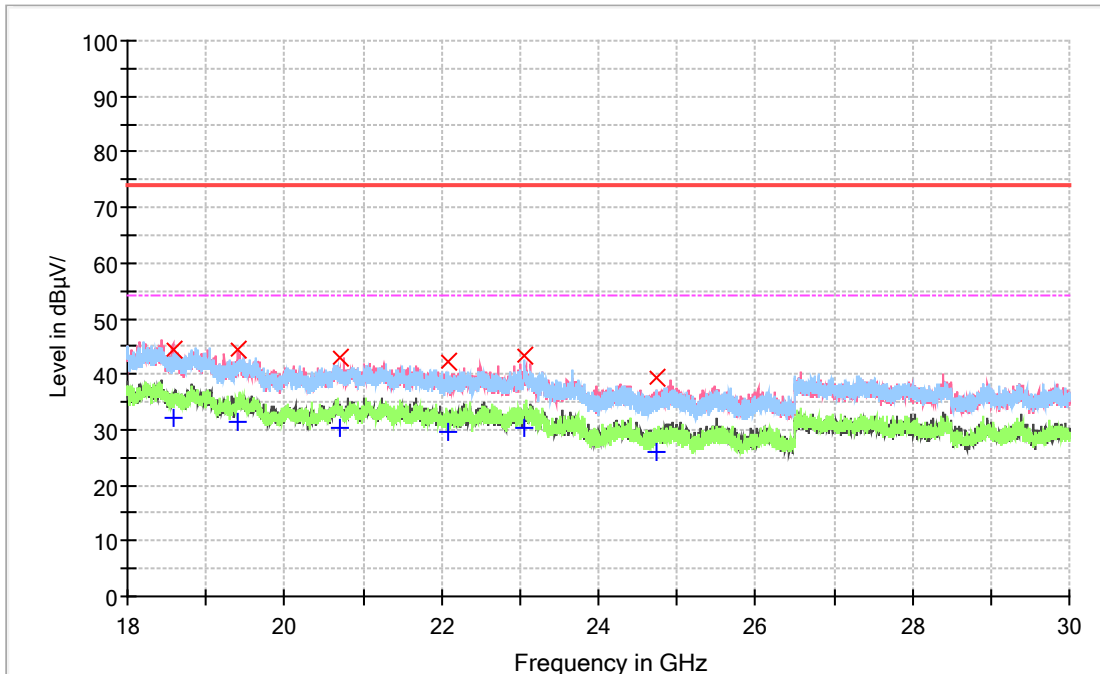
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18 566.400 000	44.73	---	74.00	29.27	15 000.0	1 000.000	400.0	H	4.0	-2.6
18 566.400 000	---	32.17	54.00	21.83	15 000.0	1 000.000	400.0	H	4.0	-2.6
19 339.200 000	---	30.08	54.00	23.92	15 000.0	1 000.000	250.0	H	191.0	-4.3
19 339.200 000	42.88	---	74.00	31.12	15 000.0	1 000.000	250.0	H	191.0	-4.3
21 134.400 000	40.15	---	74.00	33.85	15 000.0	1 000.000	300.0	H	16.0	-3.8
21 134.400 000	---	27.84	54.00	26.16	15 000.0	1 000.000	300.0	H	16.0	-3.8
23 272.800 000	43.49	---	74.00	30.51	15 000.0	1 000.000	300.0	V	260.0	-4.5
23 272.800 000	---	29.45	54.00	24.55	15 000.0	1 000.000	300.0	V	260.0	-4.5
24 890.400 000	39.01	---	74.00	34.99	15 000.0	1 000.000	323.0	V	176.0	-7.2
24 890.400 000	---	26.52	54.00	27.48	15 000.0	1 000.000	323.0	V	176.0	-7.2
27 774.000 000	---	27.33	54.00	26.67	15 000.0	1 000.000	387.0	V	210.0	-9.1
27 774.000 000	40.26	---	74.00	33.74	15 000.0	1 000.000	387.0	V	210.0	-9.1

- Test Mode: 4)



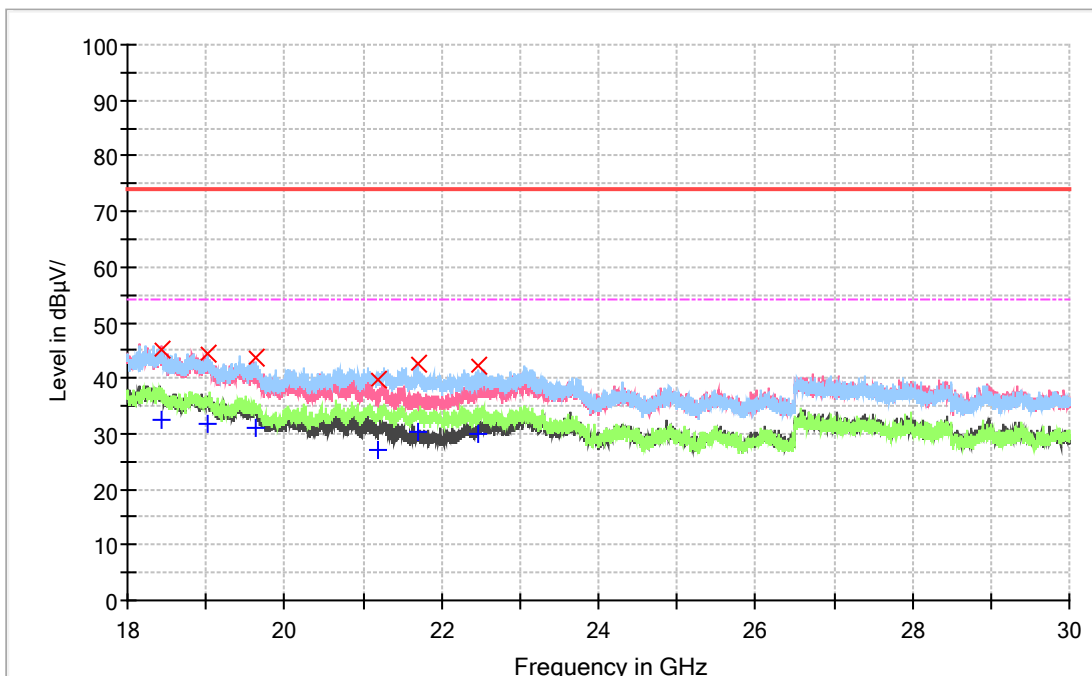
Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
19 042.800 000	---	32.05	54.00	21.95	15 000.0	1 000.000	226.0	V	0.0	-3.7
19 042.800 000	44.41	---	74.00	29.59	15 000.0	1 000.000	226.0	V	0.0	-3.7
20 096.400 000	42.49	---	74.00	31.51	15 000.0	1 000.000	150.0	V	148.0	-5.6
20 096.400 000	---	29.51	54.00	24.49	15 000.0	1 000.000	150.0	V	148.0	-5.6
22 182.000 000	42.76	---	74.00	31.24	15 000.0	1 000.000	200.0	H	0.0	-4.4
22 182.000 000	---	29.76	54.00	24.24	15 000.0	1 000.000	200.0	H	0.0	-4.4
23 138.400 000	42.76	---	74.00	31.24	15 000.0	1 000.000	344.0	H	338.0	-4.0
23 138.400 000	---	30.10	54.00	23.90	15 000.0	1 000.000	344.0	H	338.0	-4.0
24 733.200 000	40.57	---	74.00	33.43	15 000.0	1 000.000	387.0	H	2.0	-7.1
24 733.200 000	---	26.97	54.00	27.03	15 000.0	1 000.000	387.0	H	2.0	-7.1
26 034.000 000	---	25.75	54.00	28.25	15 000.0	1 000.000	300.0	V	0.0	-8.6
26 034.000 000	38.65	---	74.00	35.35	15 000.0	1 000.000	300.0	V	0.0	-8.6

- Test Mode: 5)



Frequency (MHz)	MaxPeak (dBµV/m)	Coverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18 574.800 000	---	31.96	54.00	22.04	15 000.0	1 000.000	244.0	V	137.0	-2.7
18 574.800 000	44.41	---	74.00	29.59	15 000.0	1 000.000	244.0	V	137.0	-2.7
19 412.400 000	---	31.53	54.00	22.47	15 000.0	1 000.000	200.0	V	171.0	-4.5
19 412.400 000	44.39	---	74.00	29.61	15 000.0	1 000.000	200.0	V	171.0	-4.5
20 708.400 000	42.88	---	74.00	31.12	15 000.0	1 000.000	250.0	V	272.0	-4.3
20 708.400 000	---	30.37	54.00	23.63	15 000.0	1 000.000	250.0	V	272.0	-4.3
22 075.200 000	---	29.55	54.00	24.45	15 000.0	1 000.000	236.0	H	185.0	-4.5
22 075.200 000	42.16	---	74.00	31.84	15 000.0	1 000.000	236.0	H	185.0	-4.5
23 065.200 000	---	30.28	54.00	23.72	15 000.0	1 000.000	224.0	H	305.0	-3.9
23 065.200 000	43.21	---	74.00	30.79	15 000.0	1 000.000	224.0	H	305.0	-3.9
24 736.800 000	39.31	---	74.00	34.69	15 000.0	1 000.000	140.0	V	60.0	-7.1
24 736.800 000	---	26.05	54.00	27.95	15 000.0	1 000.000	140.0	V	60.0	-7.1

- Test Mode: 6)



Frequency (MHz)	MaxPeak (dB μ V/m)	Coverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18 422.400 000	45.07	---	74.00	28.93	15 000.0	1 000.000	400.0	V	9.0	-2.3
18 422.400 000	---	32.45	54.00	21.55	15 000.0	1 000.000	400.0	V	9.0	-2.3
19 032.000 000	44.58	---	74.00	29.42	15 000.0	1 000.000	300.0	H	81.0	-3.7
19 032.000 000	---	31.90	54.00	22.10	15 000.0	1 000.000	300.0	H	81.0	-3.7
19 624.800 000	43.71	---	74.00	30.29	15 000.0	1 000.000	315.0	H	5.0	-5.0
19 624.800 000	---	31.11	54.00	22.89	15 000.0	1 000.000	315.0	H	5.0	-5.0
21 189.600 000	39.85	---	74.00	34.15	15 000.0	1 000.000	374.0	H	9.0	-3.8
21 189.600 000	---	26.98	54.00	27.02	15 000.0	1 000.000	374.0	H	9.0	-3.8
21 697.200 000	42.66	---	74.00	31.34	15 000.0	1 000.000	333.0	H	318.0	-4.2
21 697.200 000	---	30.23	54.00	23.77	15 000.0	1 000.000	333.0	H	318.0	-4.2
22 473.600 000	42.40	---	74.00	31.60	15 000.0	1 000.000	224.0	H	272.0	-4.1
22 473.600 000	---	29.95	54.00	24.05	15 000.0	1 000.000	224.0	H	272.0	-4.1

Measurement Uncertainty (Horizontal) : 4.02 dB (The confidential level is about 95 %, $k=2$)

Measurement Uncertainty (Vertical) : 4.18 dB (The confidential level is about 95 %, $k=2$)

Note : ● POL H = Horizontal

● POL V = Vertical

● Margin = Limit – Quasi Peak

● Corr. = Antenna Factor + Cable loss – Amplifier Gain

Ex) In case

Freq ; 100 MHz, level ; 30 dB(μ V/m), AF ; 10 dB/m, CL ; 4 dB, Amp ; 25 dB

Result = Level + AF + CL – Amp

= 30 + 10 + 4 - 25

= 19

Margin = Limit – Result

= 43.5 – 19

= 24.5

- End of Test Report -