시 험 성 적 서
TEST REPORT

성적서 번호 Report No.		ICRT-TR-E231016-0A
신청자 Client	기관명 Name	CanTops Co., Ltd.
	주 소 Address	A 1002-1008, Digital Empire BLDG, 16,Deogyeong-daero 1556beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do,16690, South Korea
시험대상품목 Sample description		RFID Reader
모델명 Type designation		CTS-RFID-LM24
정 격 Ratings		DC 24 V
시험장소 Place of test		■ 고정시험(Inside test) □ 현장시험(Field test) 주소지(Address): 112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
시험기간 Date of test		07. May. 2023 ~ 08. May. 2023
시험방법/항목 Test Method/Item		FCC Part 15 Subpart C §15.209
시험결과 Test Results		Refer to 3. Test Summary
확 인 Affirmation	작성자 Tested by 성 명 (서 명) Name Seong-Hun, Jeong (Signature)	기술책임자 Technical Manager 성 명 (서 명) Name Tae-Yang, Yoon (Signature)

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The above test report is certified that the above mentioned products have been tested for the sample.

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2023. 05. 09

주식회사 아이씨알 대표이사

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경기도 김포시 양촌읍 황금3로7번길 112 / Tel: 02-6351-9001 ~ 6
112, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea / Tel: 02-6351-9001 ~ 6

Contents

Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E231016-0A	2023. 05. 09	Initial Issue	All

1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	CanTops Co., Ltd.
Address	A 1002-1008, Digital Empire BLDG, 16, Deogyeong-daero 1556beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16690, South Korea
Contact Person	Sang-Gyu, Han
Telephone No.	82-10-4607-6910
E-mail	sghan@cantops.biz

1.2 Manufacturer Information

Manufacturer	CanTops Co., Ltd.
Address	A 1002-1008, Digital Empire BLDG, 16, Deogyeong-daero 1556beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16690, South Korea

1.3 Test Laboratory Information

Conducted tests were performed at	
Laboratory	ICR Co., Ltd.
Address	112, 113, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
RRA No.	KR0165
KOLAS No.	KT652

2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	RFID Reader
Brand Name	CanTops
Model Name	CTS-RFID-LM24
Additional Model Name	CTS-RFID-LM21
FCC ID	RMN-CTS-RFID-LM24
Power Supply	DC 24 V
Antenna Port	4

2.2 Additional Information

Equipment Class	DCD - Part 15 Low Power Transmitter Below 1705 ㎑	
Operating Frequency	134.2 ㎑	
Channel Number	1	
Modulation Type	ASK	
Maximum output power	91.42 dBμV/m	
Antenna Type	CTS-STBA-EC-1-0400	Coil Antenna (Rectangular Type)
	CTS-RFID-AO01-0400	Coil Antenna (Stick Type)
	CTS-RFID-AB01-0400	Coil Antenna (Stick Type)
	CTS-RFID-AC01-0400	Coil Antenna (Stick Type)

2.3 Operation Description

- The product has 4 antenna ports, and they do not operate simultaneously. Consumers connect and use one of the four types of antennas provided by the manufacturer.
  The test was conducted by connecting 4 types of antennas to each of the 4 ports.

2.4 Additional model information

- CTS-RFID-LM21 is a simple structure change model in which the antenna port is blocked by a wall from the CTS-RFID-LM24 model. It is the same as using only the first PORT of the CTS-RFID-LM24 model.

2.5 Mode of operation during the test

- The EUT is continuous transmission mode during the test. To get a maximum radiated emission levels from the EUT, the EUT was moved throughout the XY, YZ, XZ planes.

2.6 Modifications of EUT

- None

3. Test Summary

3.1 Test standards and results

FCC Part 15 Subpart C			
Clause	Test items	Applied	Results
§15.215 (c)	20 dB Bandwidth	☒	PASS
§15.209	Field Strength of the Fundamental Signal	☒	PASS
§15.209	Radiated Emissions	☒	PASS

3.2 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the standards stated in FCC Part 15 Subpart C Section 15.209.

3.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2013, FCC CFR 47 PART 15.

3.4 Configuration of Test System

3.4.1 Radiated emission test

Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2013 to determine the worse operating conditions.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.

3.5 Antenna requirement

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section.

The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

3.5.1 Result: Pass

The transmitter can use 4 types of antennas, Each antenna complies with clause 15.203.

4. Used equipment on test

	Description	Model Name	Manufacturer	Serial Number	Next Cal
☒	SIGNAL ANALYZER	FSV40	ROHDE & SCHWARZ	101455	10 Hz ~ 40 GHz
☒	LOOP ANTENNA	HFH2-Z2	ROHDE & SCHWARZ	100271	9 kHz ~ 30 MHz
☒	BI-Log ANTENNA	VULB 9162	SCHWARZBECK	120	30 MHz ~ 1 GHz
☒	EMI TEST RECEIVE	ESR7	ROHDE & SCHWARZ	101462	9 kHz ~ 7 GHz
☒	SIGNAL CONDITIONING UNIT	SCU08	ROHDE & SCHWARZ	100746	10 MHz ~ 8 GHz
☒	DC POWER SUPPLY	E3632A	AGILANT	MY51250107	DC 30 V / 4 A

※ All test equipment used is calibration on a regular basis.

5. 20 dB Bandwidth

5.1 Operating environment

Temperature : 21 ℃

Relative humidity : 45 %

5.2 Measurement method

Standard : §15.215

5.3 Test setup

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth(RBW) is set to 1% to 5% of the OBW. The Video bandwidth is set to 3 times the RBW. The 20 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 20 dB.

Spectrum Analyzer	EUT

5.4 Test data

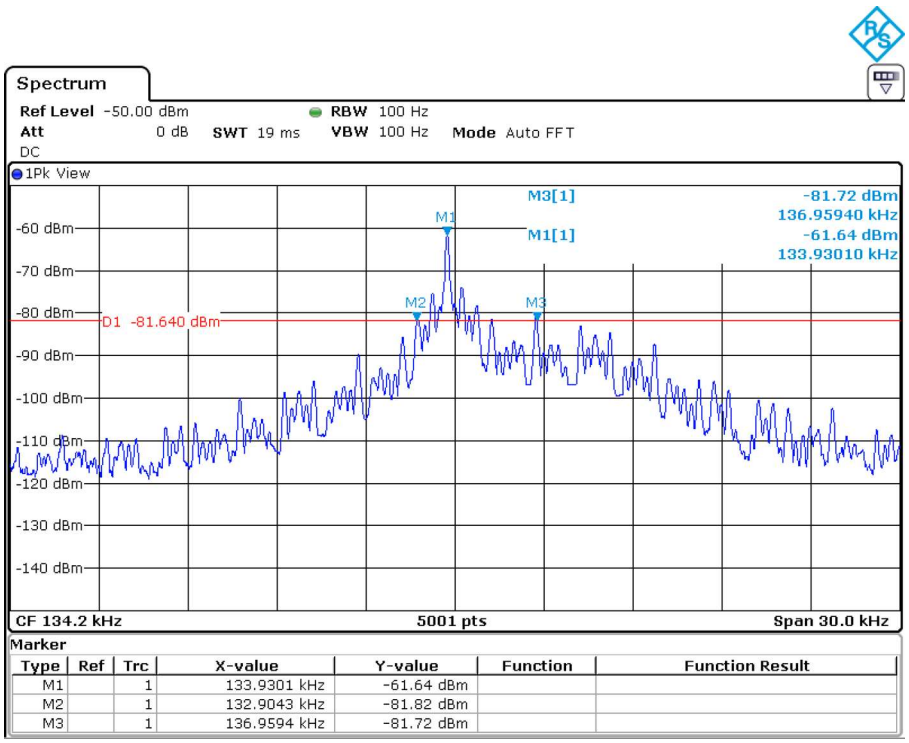
Operating mode : Transmit mode

Test Result : Pass

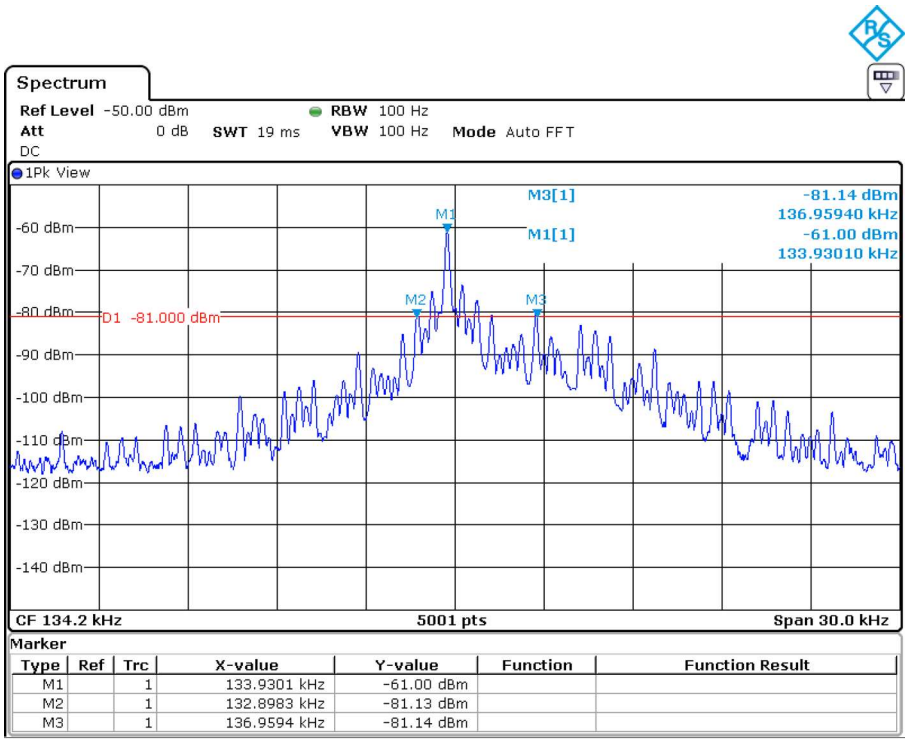
5.4.1 Measured Result

Modulation Type	Port	Frequency (㎑)	Measured Value (㎑)	Limit (㎑)
ASK	1	134.2 ㎑	4.06	-
	2	134.2 ㎑	4.06	
	3	134.2 ㎑	4.04	
	4	134.2 ㎑	4.02	

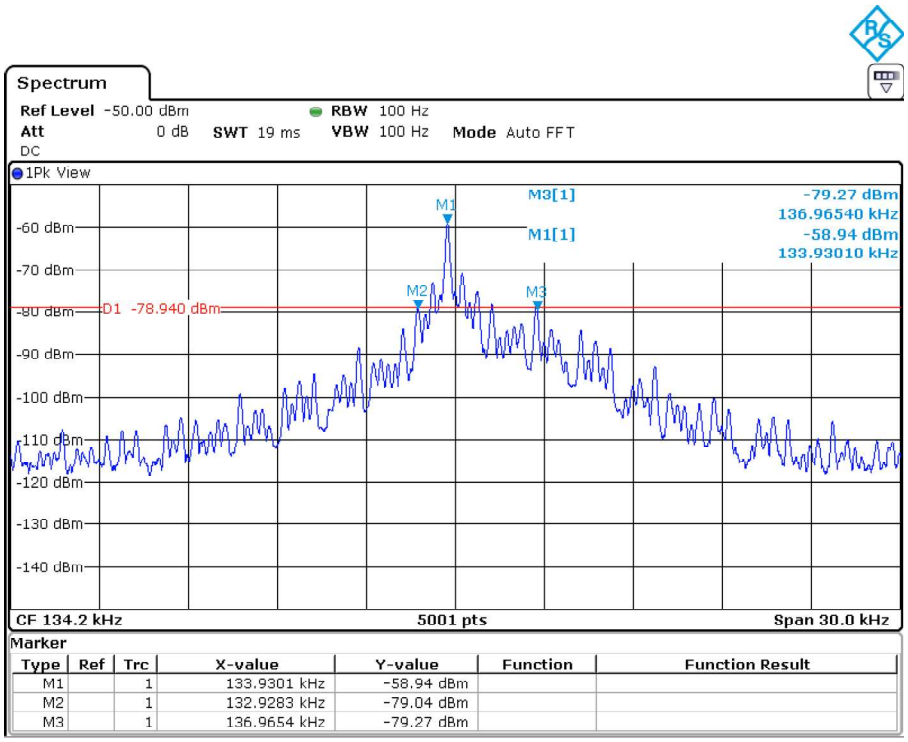
5.4.2 Measured Graph 20 dB Bandwidth



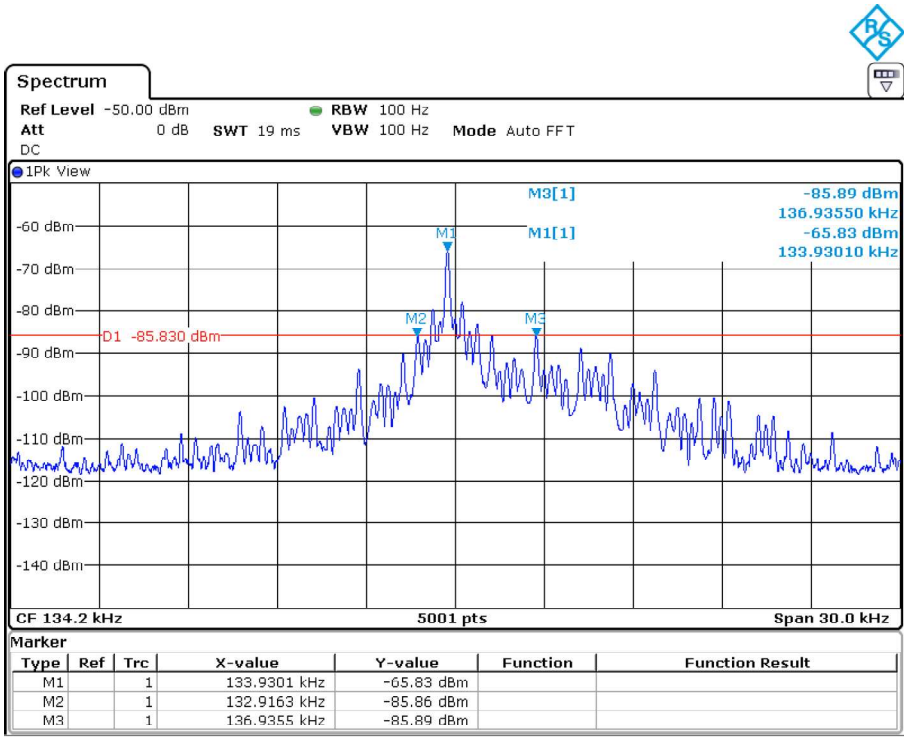
PORT1



PORT2


Spectrum
Ref Level -50.00 dBm
RBW 100 Hz
Att 0 dB SWT 19 ms VBW 100 Hz Mode Auto FFT
DC
1Pk View
M3[1] -79.27 dBm
136.96540 kHz
M1[1] -58.94 dBm
133.93010 kHz
D1 -78.940 dBm
CF 134.2 kHz
5001 pts
Span 30.0 kHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 133.9301 kHz -58.94 dBm
M2 1 132.9283 kHz -79.04 dBm
M3 1 136.9654 kHz -79.27 dBm

PORT3


Spectrum
Ref Level -50.00 dBm
RBW 100 Hz
Att 0 dB SWT 19 ms VBW 100 Hz Mode Auto FFT
DC
1Pk View
M3[1] -85.89 dBm
136.93550 kHz
M1[1] -65.83 dBm
133.93010 kHz
D1 -85.830 dBm
CF 134.2 kHz
5001 pts
Span 30.0 kHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 133.9301 kHz -65.83 dBm
M2 1 132.9163 kHz -85.86 dBm
M3 1 136.9355 kHz -85.89 dBm

PORT4

6. Field Strength of the Fundamental Signal

6.1 Operating environment

Temperature : 23 ℃

Relative humidity : 44 %

6.2 Measurement method

Standard : §15.209

6.3 Test setup

The radiated emissions measurements were performed on the 3 m, Semi-Anechoic Camber. The EUT was placed on a non-conductive turntable above the ground plane.

The frequency spectrum from 9 ㎑ to 30 ㎒ was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna, and the higher of the two was entered.

6.4 Test data for Fundamental Signal

Operating mode : Transmit mode

Test Result : Pass

6.4.1 Measurement Results

Port	Frequency (㎒)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	0.133 9	61.32	Average	H	19.30	80.62	105.07	24.45
2	0.133 9	70.46	Average	H	19.30	89.76	105.07	15.31
3	0.133 9	72.12	Average	H	19.30	91.42	105.07	13.65
4	0.133 9	46.80	Average	H	19.30	66.10	105.07	38.97

※ Ant. Pol. = Antenna Polarization

※ Corr. Factor. = Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit – Result

※ Detector = Average for 9-90 kHz, 110-490 kHz, Quasi Peak for the others

※ Limit =at 0.009-0.490㎒ and 3m distance, ***20log(2400/F(㎑)) + 40log(300m/3m)***

7. Radiated Emissions

7.1 Operating environment

Temperature : 23 ℃

Relative humidity : 44 %

7.2 Measurement method

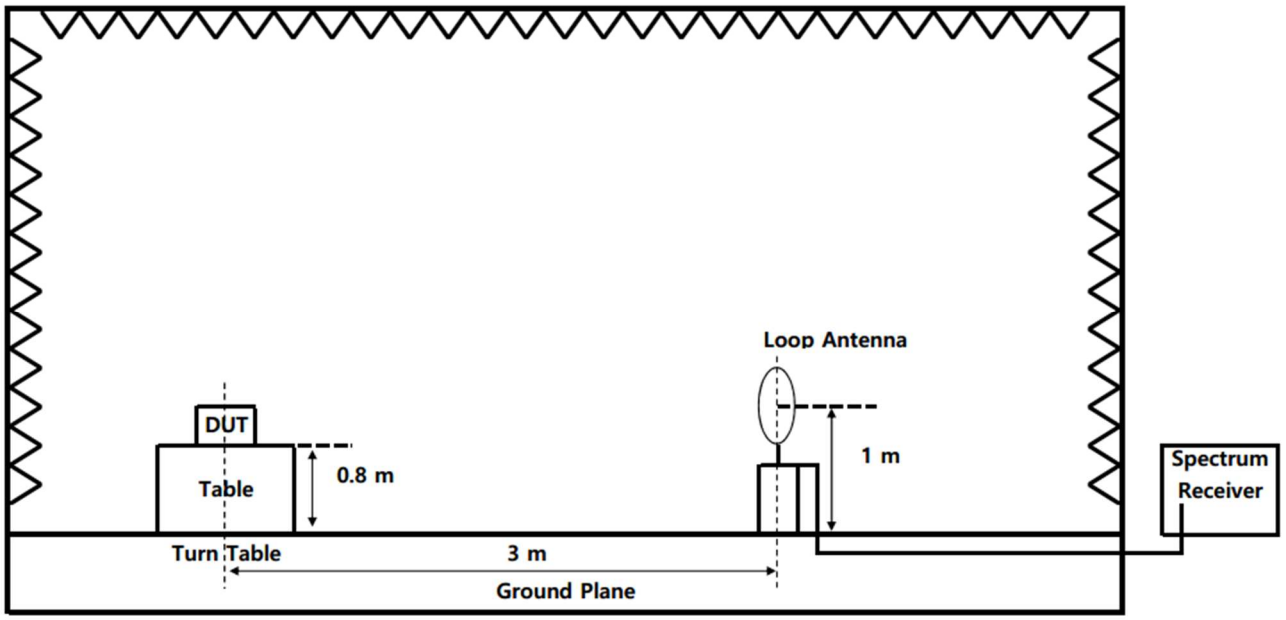
Standard : §15.209

7.3 Test setup

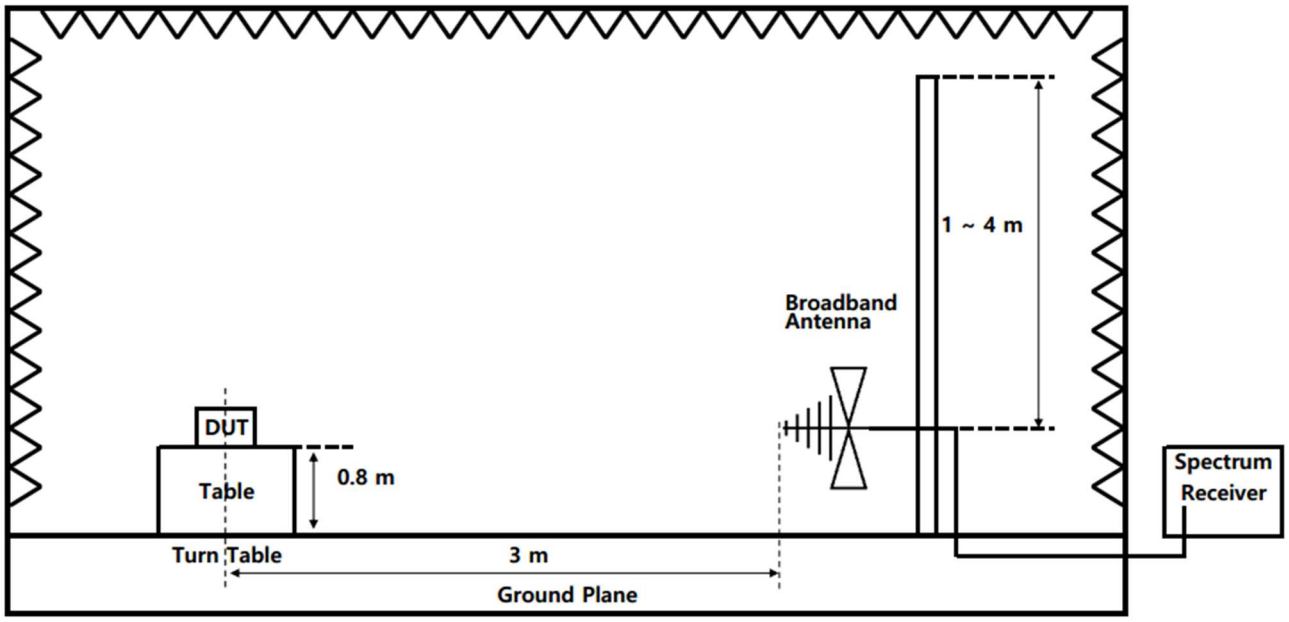
The radiated emissions measurements were performed on the 3 m, Semi-Anechoic Camber. The EUT was placed on a non-conductive turntable above the ground plane.

The frequency spectrum from 9 ㎑ to 1 ㎓ was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna, and the higher of the two was entered

7.3.1 Test setup layout Below 30 ㎒



7.3.2 Test setup layout 30 ㎒ to 1 ㎓



7.4 Regulation

According to §15.209(a), for an intentional device, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (㎒)	Field strength (㎶/m)	Field strength (dB㎶/m)	Measurement distance (m)
0.009 ~ 0.490	2 400 / F (㎑)	-	300
0.490 ~ 1.705	24 000 / F (㎑)	-	30
1.705 ~ 30	30	29.54	30
30 ~ 88	100	40.00	3
88 ~ 216	150	43.52	3
216 ~ 960	200	46.02	3
Above 960	500	53.98	3

- The emission limits shown in the above table are based on measurement instrumentation employing a CISPR quasi-peak detector and 9-90 kHz, 110-490 kHz and above 1000 MHz are based on the average value of measured emissions.

- If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than λ/2π and the limit distance is greater than λ/2π, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the λ/2π distance, and at a 20 dB/decade of distance rate beyond λ/2π. This shall be accomplished using Equation

  FS(limit) = FS(max) - 40log{d(near field)/d(measure)} - 20log{d(limit)/d(near field)}
  d(near field) = 47.77 / f(MHz)

  If the single point measured is at a distance greater than λ/2π, then extrapolation to the limit distance shall be calculated using Equation

  FS(limit) = FS(max) - 20log{d(limit)/d(measure)}

  If both the single point and the limit distance are equal to or closer to the EUT than λ/2π, then extrapolation to the limit distance shall be calculated using Equation

  FS(limit) = FS(max) - 40log{d(limit)/d(measure)}

  Example, The radiation limit value at 3 m of a 0.150 MHz frequency signal is :
  20log(2400/150) + 40log(300/3) = 104.08 dBuV/m

7.5 Test data for Radiated Emissions

Operating mode : Transmit mode

Test Result : Pass

7.5.1 Measurement Results Below 30 ㎒ – Port 1

Frequency (㎒)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.266	26.16	Average	H	19.30	45.46	99.09	53.63
1.613	24.33	QuasiPeak	V	19.40	43.73	63.45	19.72
15.000	12.78	QuasiPeak	H	19.70	32.48	69.54	37.06

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin =Limit – Result

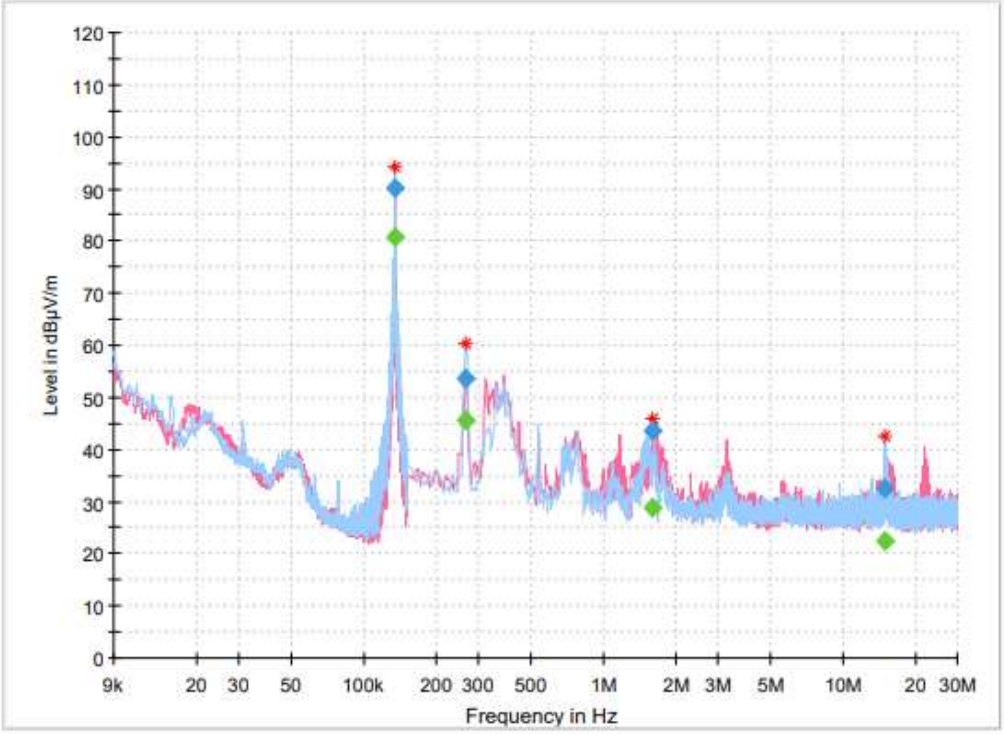
※ Detector = Average for 9-90 kHz, 110-490 kHz, Quasi Peak for the others

※ Limit = at 0.009-0.490㎒ and 3m distance, 20log(2400/F(㎑)) + 40log(300m/3m)

at 0.490-1.705㎒ and 3m distance, 20log(24000/F(㎑)) + 40log(30m/3m)

at 1.705-30.0㎒ and 3m distance, 20log(30) + 40log(30m/3m)

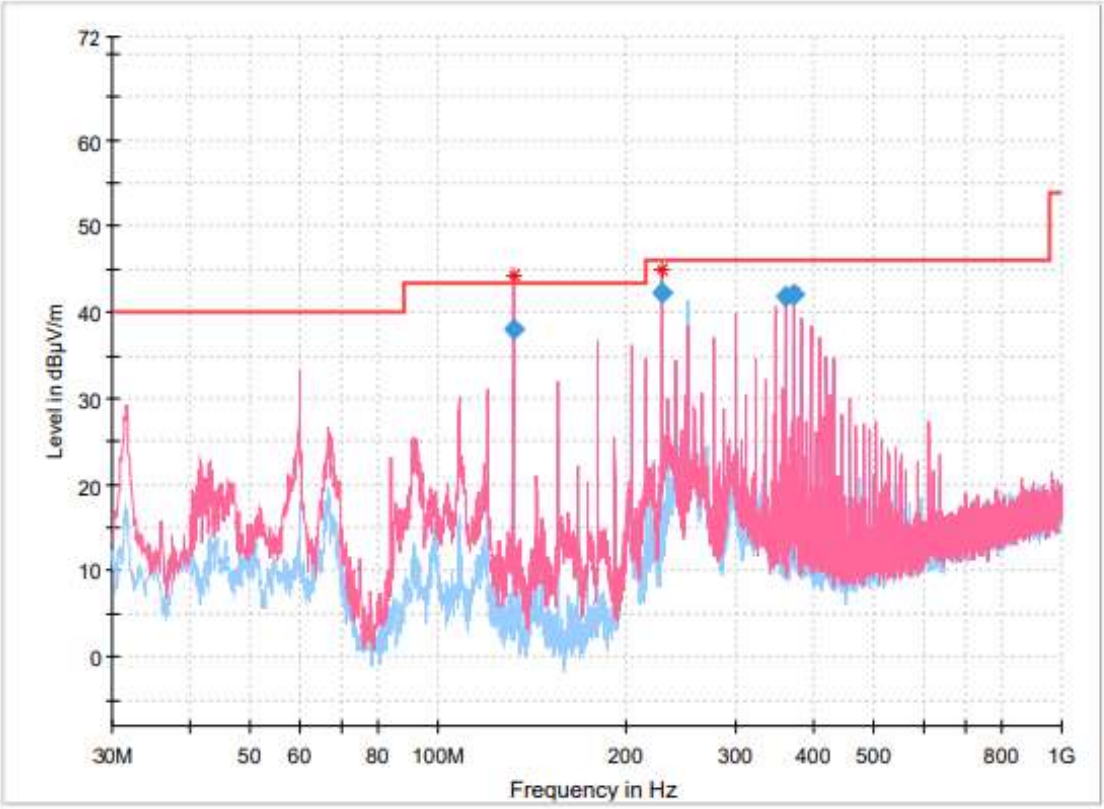
7.5.1.1 Measured Graph (Below 30 ㎒)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.133940	90.11	---	---	---	5000.0	0.200	H	95.0	19.3
0.133940	---	80.62	---	---	5000.0	0.200	H	95.0	19.3
0.266415	53.63	---	---	---	5000.0	9.000	H	280.0	19.3
0.266415	---	45.46	---	---	5000.0	9.000	H	280.0	19.3
1.612650	---	28.86	---	---	5000.0	9.000	V	38.0	19.4
1.612650	43.73	---	---	---	5000.0	9.000	V	38.0	19.4
15.000375	---	22.56	---	---	5000.0	9.000	H	338.0	19.7
15.000375	32.48	---	---	---	5000.0	9.000	H	338.0	19.7

7.5.1.2 Measured Graph (Below 1 ㎓)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
131.947000	37.98	43.50	5.52	1000.0	120.000	99.8	V	150.0	-27.9
227.977000	42.35	46.00	3.65	1000.0	120.000	99.8	V	28.0	-23.8
359.994000	41.78	46.00	4.22	1000.0	120.000	99.8	V	109.0	-20.1
372.022000	42.04	46.00	3.96	1000.0	120.000	99.8	V	109.0	-19.5

7.5.2 Measurement Results Below 30 ㎒ – Port 2

Frequency (㎒)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.371	12.11	Average	V	19.30	31.41	96.22	64.81
1.481	16.71	QuasiPeak	V	19.40	36.11	64.19	28.08
1.723	11.79	QuasiPeak	V	19.40	31.19	69.54	38.35

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin =Limit – Result

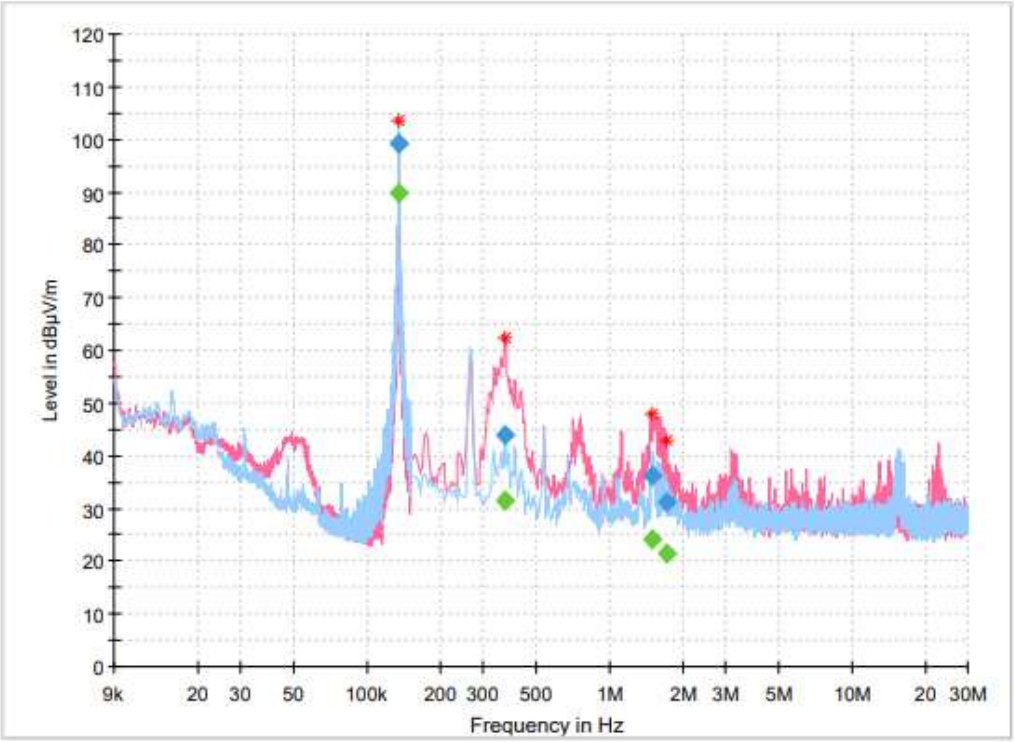
※ Detector = Average for 9-90 kHz, 110-490 kHz, Quasi Peak for the others

※ Limit = at 0.009-0.490㎒ and 3m distance, 20log(2400/F(㎑)) + 40log(300m/3m)

at 0.490-1.705㎒ and 3m distance, 20log(24000/F(㎑)) + 40log(30m/3m)

at 1.705-30.0㎒ and 3m distance, 20log(30) + 40log(30m/3m)

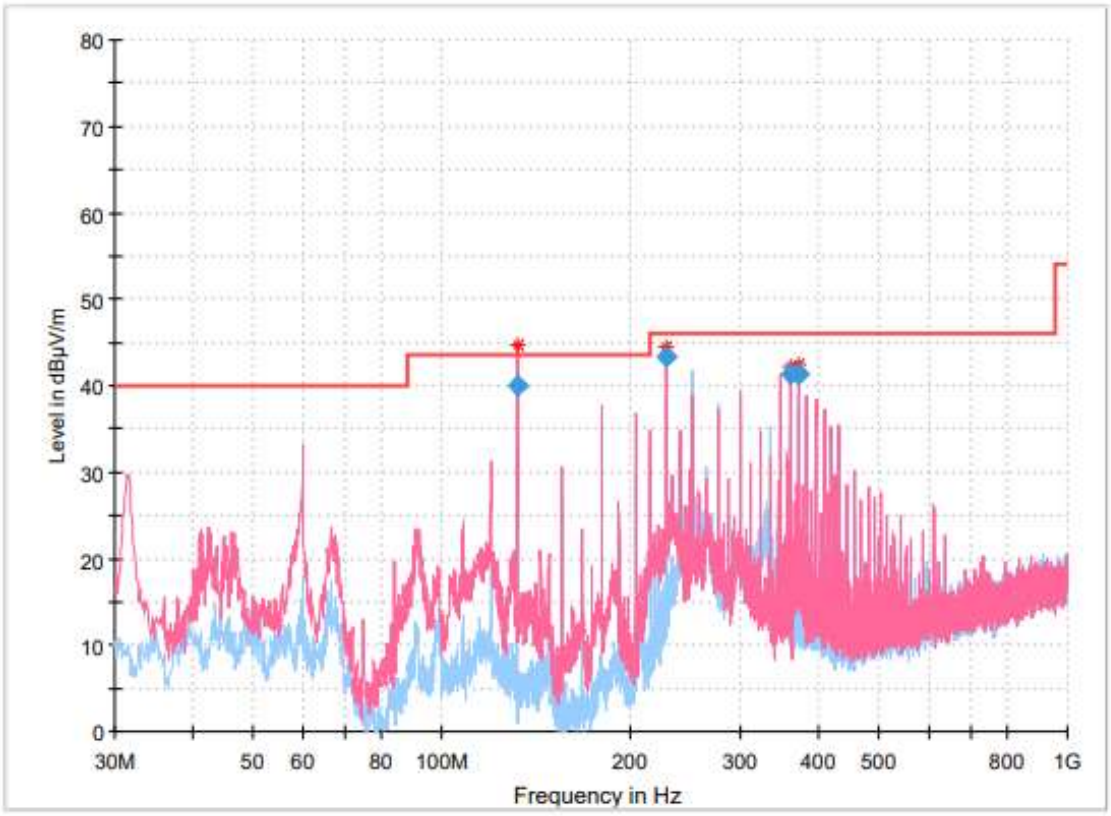
7.5.2.1 Measured Graph (Below 30 ㎒)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.133940	---	89.76	---	---	5000.0	0.200	H	85.0	19.3
0.133940	99.34	---	---	---	5000.0	0.200	H	85.0	19.3
0.370890	43.88	---	---	---	5000.0	9.000	V	317.0	19.3
0.370890	---	31.41	---	---	5000.0	9.000	V	317.0	19.3
1.481310	---	24.01	---	---	5000.0	9.000	V	231.0	19.4
1.481310	36.11	---	---	---	5000.0	9.000	V	231.0	19.4
1.723095	31.19	---	---	---	5000.0	9.000	V	128.0	19.4
1.723095	---	21.51	---	---	5000.0	9.000	V	128.0	19.4

7.5.2.2 Measured Graph (Below 1 ㎓)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
131.947000	39.93	43.50	3.57	1000.0	120.000	99.8	V	117.0	-27.9
227.977000	43.46	46.00	2.54	1000.0	120.000	99.8	V	353.0	-23.8
359.994000	41.41	46.00	4.59	1000.0	120.000	99.8	V	86.0	-20.1
372.022000	41.37	46.00	4.63	1000.0	120.000	99.8	V	86.0	-19.5

7.5.3 Measurement Results Below 30 ㎒ – Port 3

Frequency (㎒)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.266	26.97	Average	H	19.30	46.27	99.09	52.82
0.741	23.05	QuasiPeak	V	19.30	42.35	70.21	27.86
20.358	6.67	QuasiPeak	V	19.90	26.57	69.54	42.97

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin =Limit – Result

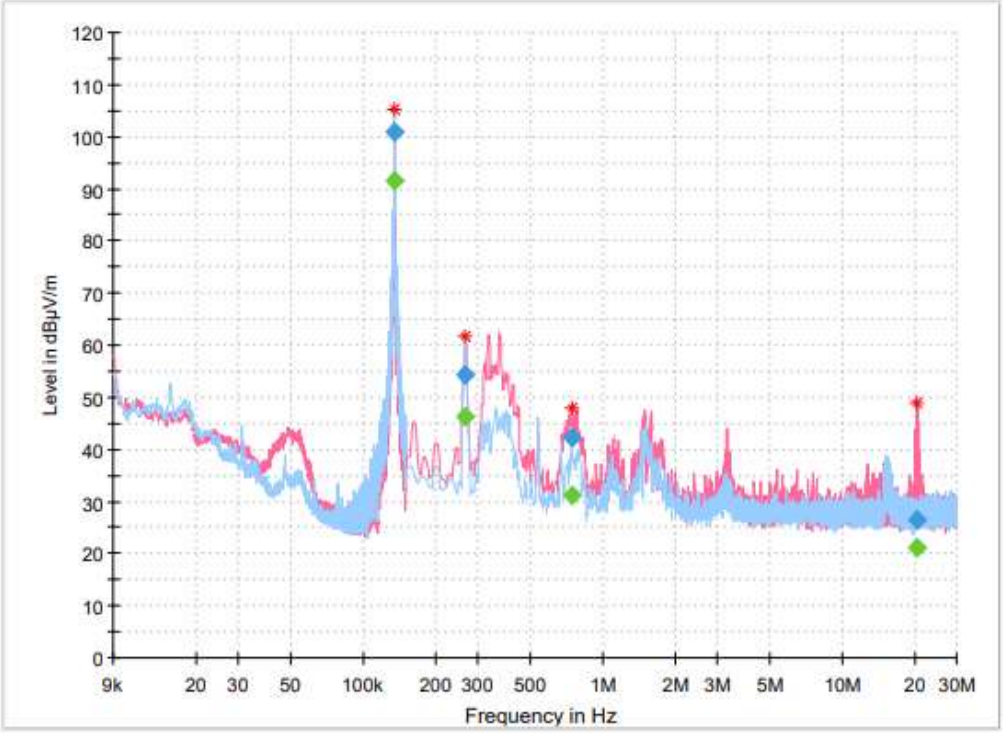
※ Detector = Average for 9-90 kHz, 110-490 kHz, Quasi Peak for the others

※ Limit = at 0.009-0.490㎒ and 3m distance, 20log(2400/F(㎑)) + 40log(300m/3m)

at 0.490-1.705㎒ and 3m distance, 20log(24000/F(㎑)) + 40log(30m/3m)

at 1.705-30.0㎒ and 3m distance, 20log(30) + 40log(30m/3m)

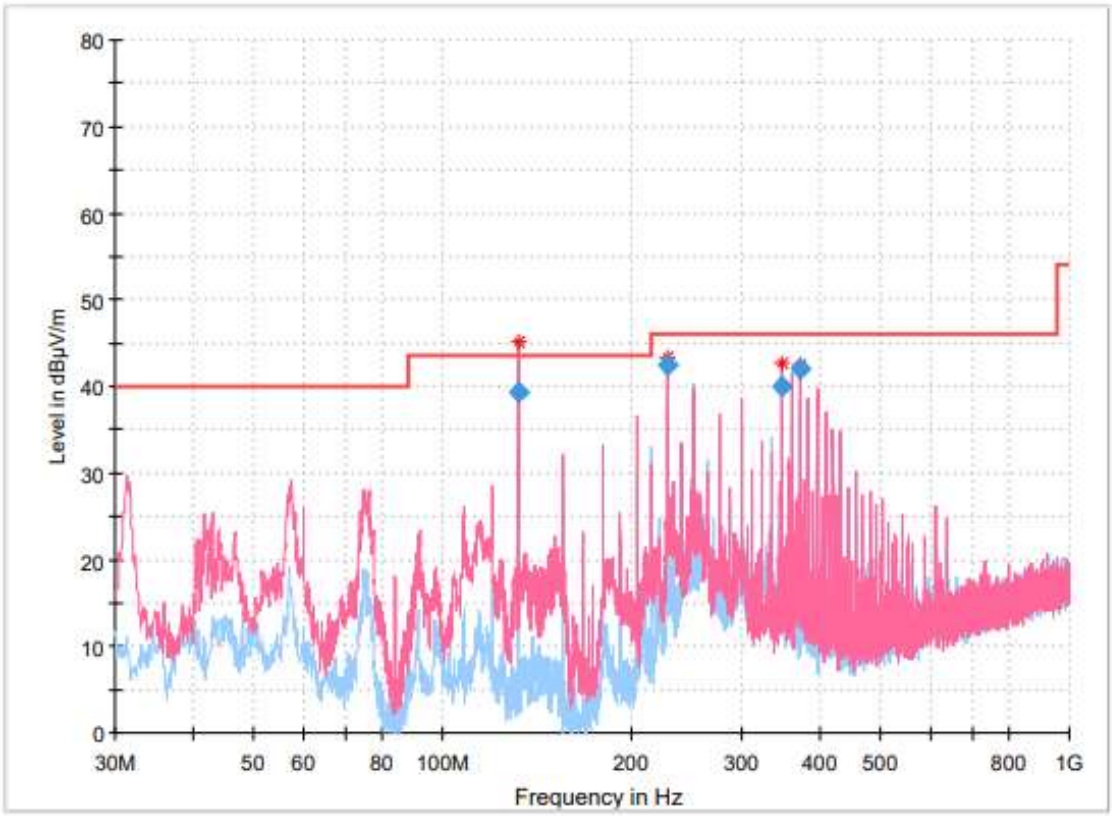
7.5.3.1 Measured Graph (Below 30 ㎒)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.133940	101.00	---	---	---	5000.0	0.200	H	280.0	19.3
0.133940	---	91.42	---	---	5000.0	0.200	H	280.0	19.3
0.266415	---	46.27	---	---	5000.0	9.000	H	226.0	19.3
0.266415	54.42	---	---	---	5000.0	9.000	H	226.0	19.3
0.741030	42.35	---	---	---	5000.0	9.000	V	44.0	19.3
0.741030	---	31.07	---	---	5000.0	9.000	V	44.0	19.3
20.358450	---	20.99	---	---	5000.0	9.000	V	318.0	19.9
20.358450	26.57	---	---	---	5000.0	9.000	V	318.0	19.9

7.5.3.2 Measured Graph (Below 1 ㎓)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
131.947000	39.39	43.50	4.11	1000.0	120.000	99.8	V	148.0	-27.9
227.977000	42.37	46.00	3.63	1000.0	120.000	99.8	V	0.0	-23.8
347.966000	40.07	46.00	5.93	1000.0	120.000	99.8	V	41.0	-19.8
372.022000	41.98	46.00	4.02	1000.0	120.000	99.8	V	120.0	-19.5

7.5.4 Measurement Results Below 30 ㎒ – Port 4

Frequency (㎒)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.009	25.82	Average	H	20.20	46.02	128.33	82.31
1.607	20.41	QuasiPeak	V	19.40	39.81	63.49	23.68
9.374	14.01	QuasiPeak	V	19.60	33.61	69.54	35.93

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin =Limit – Result

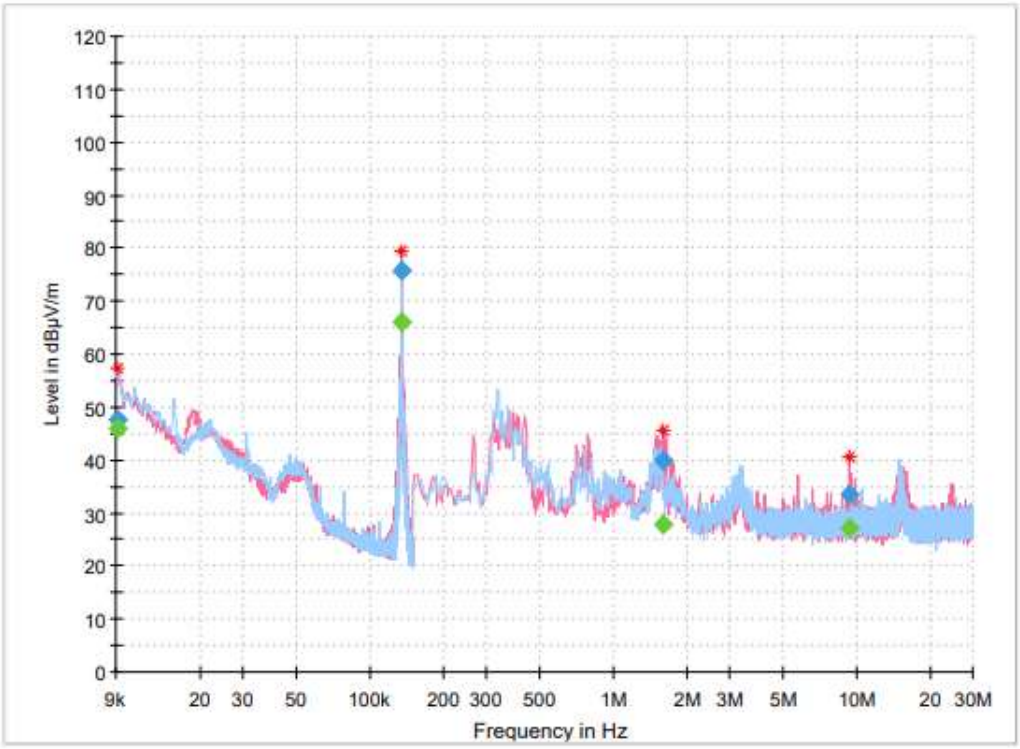
※ Detector = Average for 9-90 kHz, 110-490 kHz, Quasi Peak for the others

※ Limit = at 0.009-0.490㎒ and 3m distance, 20log(2400/F(㎑)) + 40log(300m/3m)

at 0.490-1.705㎒ and 3m distance, 20log(24000/F(㎑)) + 40log(30m/3m)

at 1.705-30.0㎒ and 3m distance, 20log(30) + 40log(30m/3m)

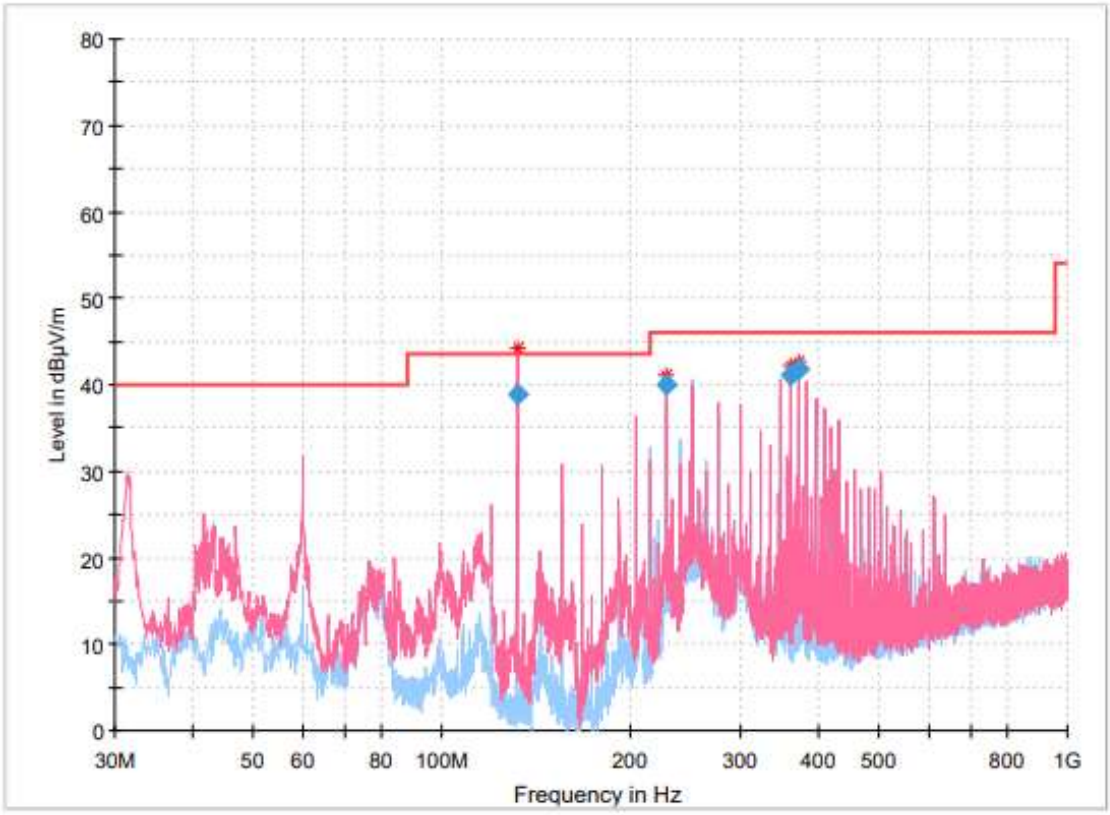
7.5.4.1 Measured Graph (Below 30 ㎒)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.009197	---	46.02	---	---	5000.0	0.200	H	249.0	20.2
0.009197	47.63	---	---	---	5000.0	0.200	H	249.0	20.2
0.133940	75.65	---	---	---	5000.0	0.200	V	0.0	19.3
0.133940	---	66.10	---	---	5000.0	0.200	V	0.0	19.3
1.606680	---	27.90	---	---	5000.0	9.000	V	295.0	19.4
1.606680	39.81	---	---	---	5000.0	9.000	V	295.0	19.4
9.373650	33.61	---	---	---	5000.0	9.000	V	192.0	19.6
9.373650	---	27.06	---	---	5000.0	9.000	V	192.0	19.6

7.5.4.2 Measured Graph (Below 1 ㎓)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
131.947000	38.93	43.50	4.57	1000.0	120.000	99.8	V	233.0	-27.9
227.977000	40.10	46.00	5.90	1000.0	120.000	99.8	V	0.0	-23.8
359.994000	41.19	46.00	4.81	1000.0	120.000	99.8	V	126.0	-20.1
372.022000	41.70	46.00	4.30	1000.0	120.000	99.8	V	126.0	-19.5

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