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FCC - TEST REPORT

Report Number : **6895025080201** Date of Issue: **2025-07-24**

Model/HVIN : **1060/16, 1060/16C**

Product Type : Face Recognition Call Module for IPerCom System

Applicant : URMET S.P.A

Address : Via Bologna 188/C 10154 Torino ITALY

Manufacturer : URMET S.P.A

Address : Via Bologna 188/C 10154 Torino ITALY

Factory : Urmnet Electronics (Huizhou) Ltd.

Address : YuanlingXia, Xiatang,Xikeng, Huihuan, 516006 Huizhou City,
Guangdong Pro, PEOPLE`S REPUBLIC OF CHINA

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : **46**

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2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu,
Nantou, Nanshan District,
Shenzhen, Guangdong, China

Telephone: +86 755 8828 6998

Fax: +86 755 8828 5299

FCC Registration No.: 514049

FCC Designation Number: CN5009

3 Description of the Equipment Under Test

Product:	Face Recognition Call Module for IPerCom System
Model no.:	1060/16, 1060/16C
Brand name:	URMET
FCC ID:	REA106016
Rating:	Input: LAN port: POE 48VDC or J5 connector +/-:24VDC
RF Transmission Frequency:	2402MHz-2480MHz
No. of Operated Channel:	40
Modulation:	GFSK
Antenna Type:	FPC antenna
Antenna Gain	1.22dBi
Description of the EUT:	EUT is a Face Recognition Call Module for IPerCom System which support Bluetooth and NFC. Only Bluetooth Low Energy included in this report.

NOTE 1: The above EUT's information is declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

NOTE 2: The circuits of 1060/16 and 1060/16C are exactly the same, All the tests were based on Model 1060/16. the only difference is that 1060/16 has an Italian-style GUI, while 1060/16C has a Chinese-style GUI.

NOTE 3: Products support 48VDC and 24VDC power supplies, conducted emission and radiated spurious emission were performed on two power supplies, conducted RF tests were performed on 48VDC only.

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2023 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

All the test methods were according to KDB 558074 D01 15.247 Meas Guidance v05r02 Measurement Guidance and ANSI C63.10-2020.

5 Summary of Test Results

Test Condition		Test Result	Test Site
		Pass	
§15.207	Conducted emission AC power port	Pass	Site 1
§15.247 (b) (3)	Conducted peak output power	Pass	Site 1
§15.247(a)(2)	6dB bandwidth and 99% Occupied Bandwidth	Pass	Site 1
§15.247(e)	Power spectral density	Pass	Site 1
§15.247(d)	Spurious RF conducted emissions	Pass	Site 1
§15.247(d)	Band edge	Pass	Site 1
§15.247(d) & §15.209 & §15.205	Spurious radiated emissions for transmitter	Pass	Site 1
§15.203	Antenna requirement	See Note 2	--

Note 1: N/A=Not Applicable.

Note 2: The EUT uses a FPC antenna, which gain is 1.22dBi. In accordance to §15.203, it is considered sufficiently to comply with the provisions of this section.

6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: REA106016, complies with Section 15.207, 15.205, 15.209, 15.247 of the FCC Part 15, Subpart C rules.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 2025-04-27

Testing Start Date: 2025-04-27

Testing End Date: 2025-06-17

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

Prepared by:

Tested by:


John Zhi
EMC Project Manager

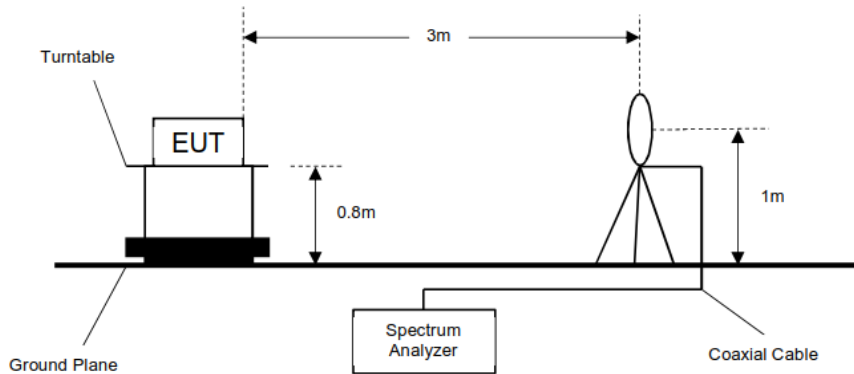

Hayden Hu
Project Engineer


Carry Cai
Test Engineer

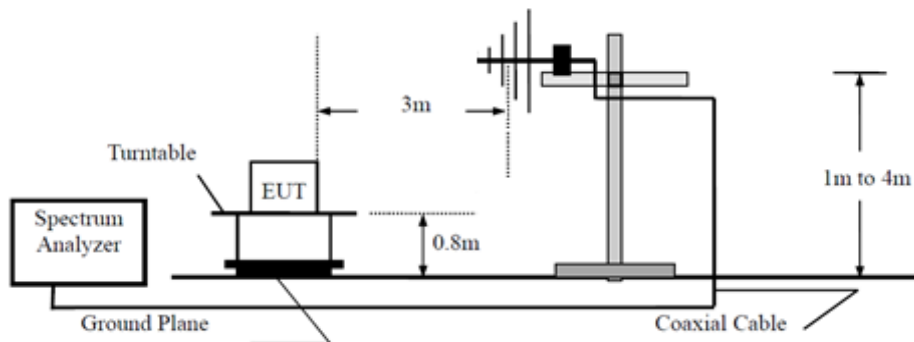
7 Test Setups

7.1 Radiated test setups

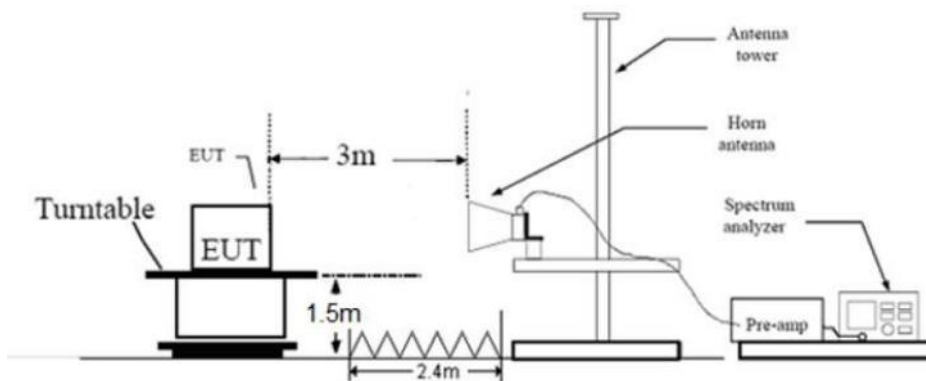
9KHz - 30MHz



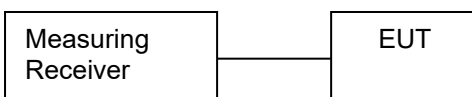
30MHz - 1GHz



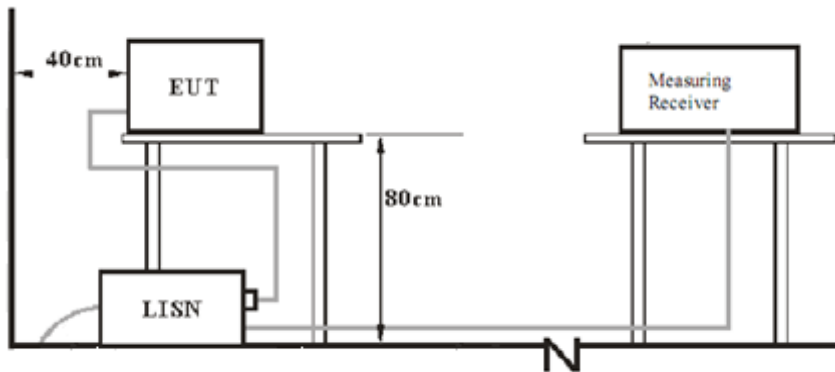
Above 1GHz



7.2 Conducted RF test setups



7.3 AC Power Line Conducted Emission test setups



8 Systems Test Configuration

Auxiliary Equipment Used during Test:

Description	Manufacturer	Model NO.	S/N
Computer	HP	TPN-CA16	L25298-002
Adaptor	BAO HUI SCIENCE & TECHNOLOGY CO.,LTD	AD8190LF	---
5-port PoE Gigabit Ethernet Switch with 4-port PoE	NETGEAR INTERNATIONAL LTD	GS305P	---
Serial port board	---	---	---
Dc source	UNI-T	UTP3303-II	---

Cables Used During Test:

Cable	Length	Shielded/unshielded	With / without ferrite
Network cable	1.0m	unshielded	without ferrite

Test software information:

Test Software Version	662x_FCC_Rev1.7R		
Modulation	Setting TX Power	Packet Type	
GFSK	default	RBS9	

The system was configured to non-hopping mode, testing channel 0, 19, 39.

9 Technical Requirement

9.1 Conducted Emission

Test Method

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. Both sides of AC line were checked for maximum conducted interference.
6. The frequency range from 150 kHz to 30 MHz was searched.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

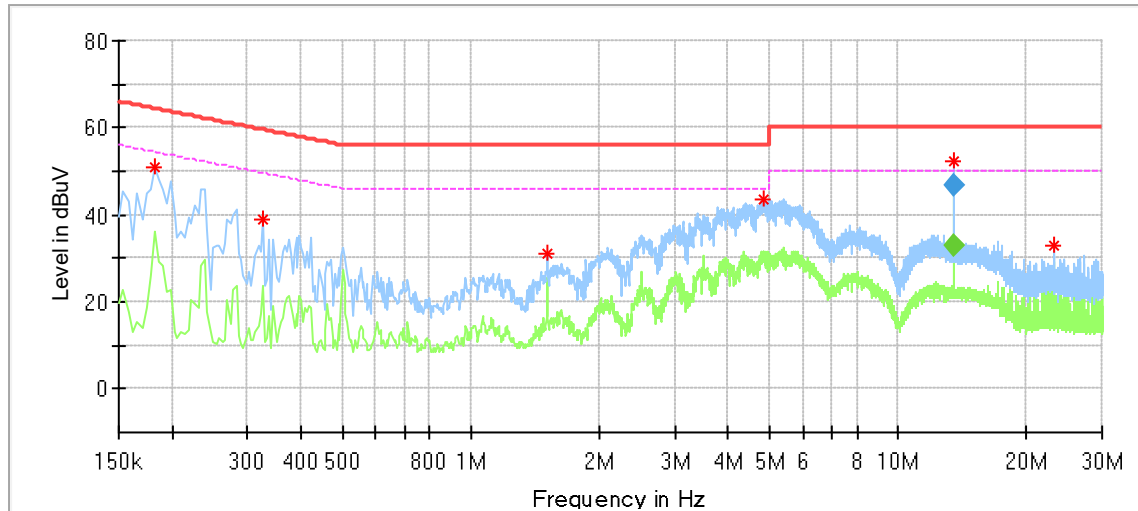
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Conducted Emission

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Transmitting
 Test Specification : Line
 Comment : 120VAC, 60Hz (POE DC 48V, supply by external adaptor)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.182000	51.01	---	64.39	13.38	L1	10.30
0.326000	38.74	---	59.55	20.82	L1	10.30
1.510000	30.91	---	56.00	25.09	L1	10.34
4.846000	43.47	---	56.00	12.53	L1	10.45
13.557500	52.12	---	60.00	7.88	L1	10.78
23.130000	32.93	---	60.00	27.07	L1	12.13

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
13.557500	---	32.89	50.00	17.11	L1	10.78
13.557500	46.65	---	60.00	13.35	L1	10.78

Remark:

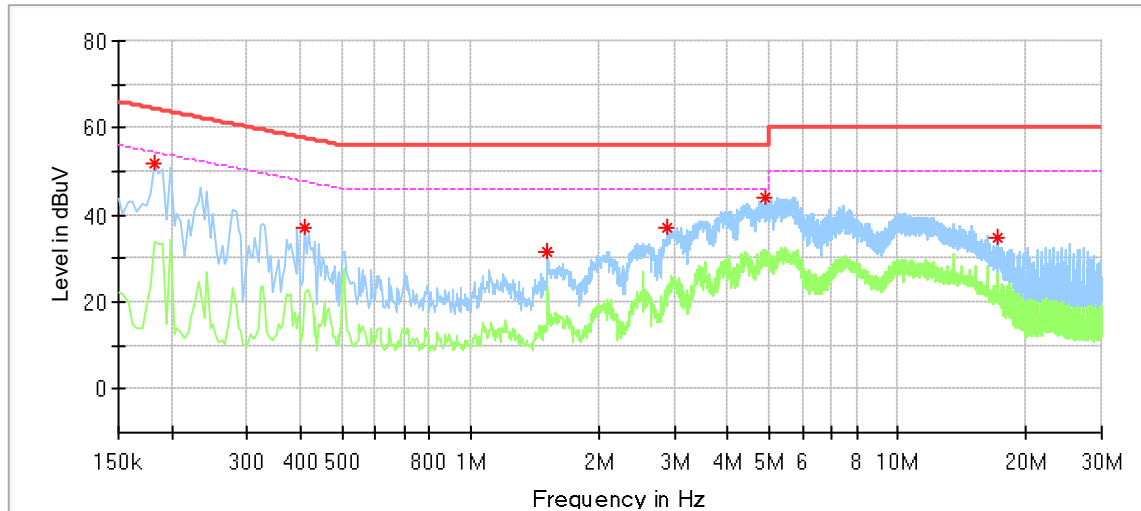
*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Transmitting
 Test Specification : Neutral
 Comment : 120VAC, 60Hz (POE DC 48V, supply by external adaptor)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.182000	51.69	---	64.39	12.70	N	10.29
0.410000	37.05	---	57.65	20.60	N	10.29
1.514000	31.67	---	56.00	24.33	N	10.33
2.890000	37.09	---	56.00	18.91	N	10.38
4.878000	43.80	---	56.00	12.20	N	10.46
17.158000	34.74	---	60.00	25.26	N	10.87

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---	---	---

Remark:

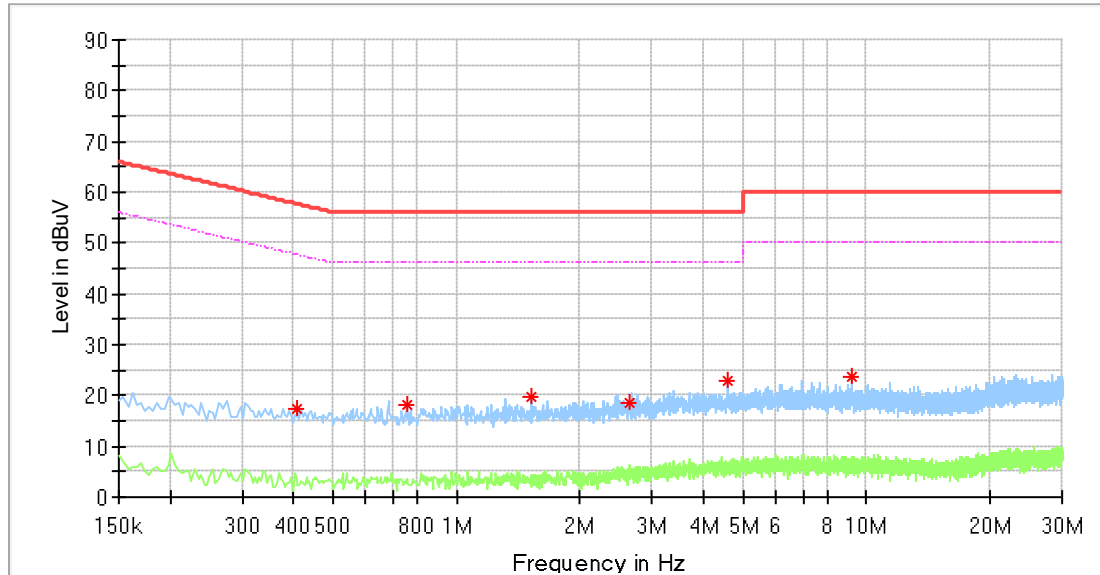
*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Transmitting
 Test Specification : Line
 Comment : 120VAC, 60Hz (DC 24V, supply by AC/DC power source)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.410000	17.19	---	57.65	40.46	L1	10.03
0.758000	18.20	---	56.00	37.80	L1	10.05
1.526000	19.73	---	56.00	36.27	L1	10.04
2.634000	18.74	---	56.00	37.26	L1	10.05
4.582000	22.78	---	56.00	33.22	L1	10.12
9.182000	23.74	---	60.00	36.26	L1	10.48

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---	---	---

Remark:

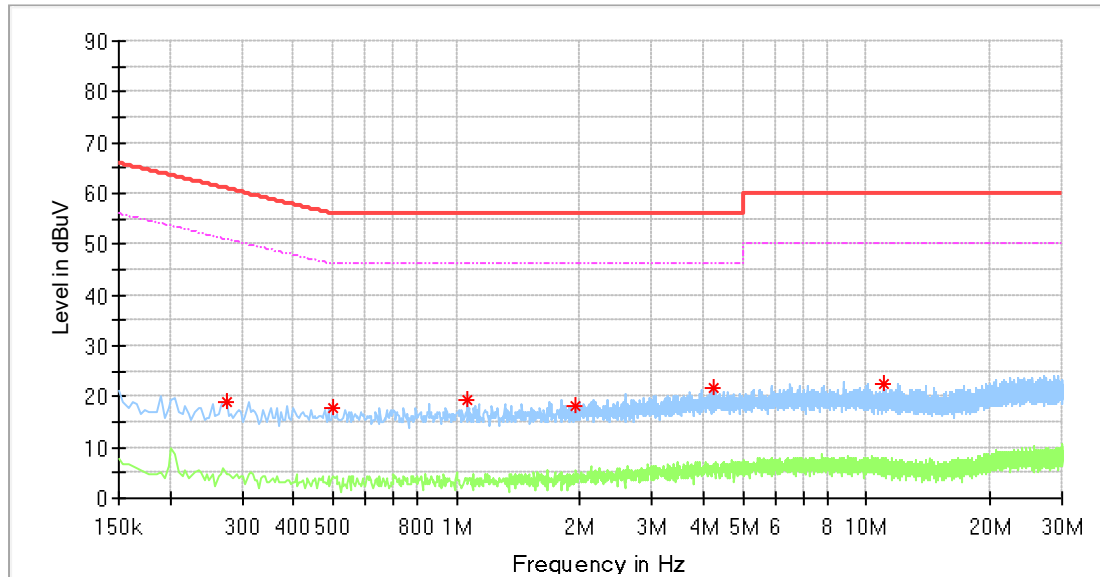
*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Face Recognition Call Module for IPerCom System
M/N : 1060/16
Operating Condition : Transmitting
Test Specification : Neutral
Comment : 120VAC, 60Hz (DC 24V, supply by AC/DC power source)



Remark:

*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

9.2 Conducted Peak Output Power

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Use the following test receiver settings:
Span = approximately 5 times the 6dB bandwidth, centered on a channel need to test,
RBW > the 6dB bandwidth of the emission being measured, VBW $\geq$ 3RBW,
Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power and record the results in the test report.
5. Repeat above procedures until all frequencies measured were complete.

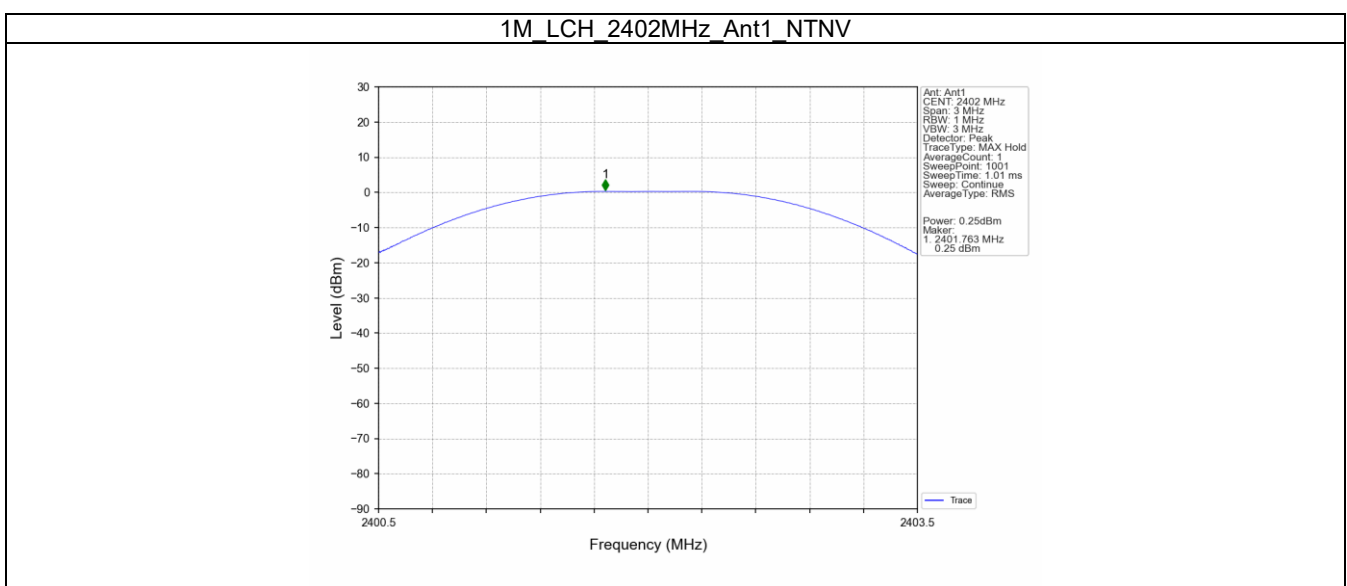
Limits

According to §15.247 (b) (3) conducted peak output power limit as below:

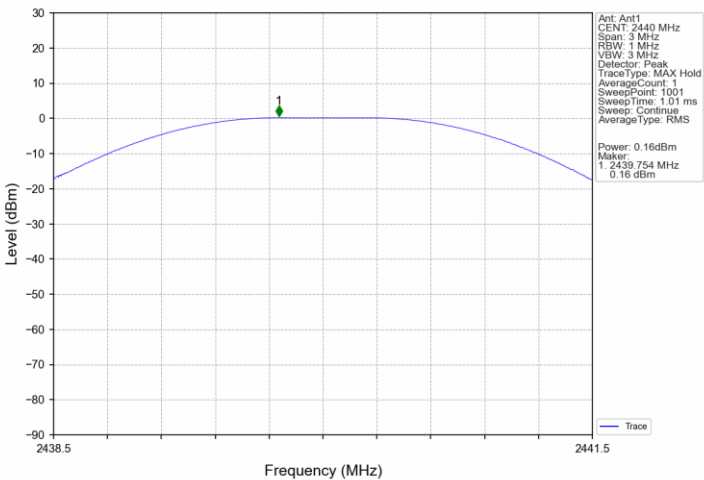
Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤ 1	≤ 30

Conducted Peak Output Power

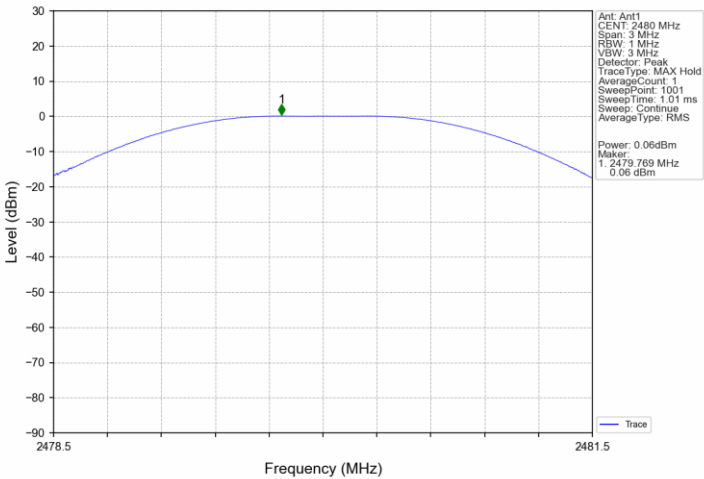
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	0.25	≤ 30	Pass
		2440	0.16	≤ 30	Pass
		2480	0.06	≤ 30	Pass



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



9.3 Power Spectral Density

Test Method

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
4. Set analyzer center frequency to DTS channel center frequency. RBW=3kHz, VBW≥3RBW, Span=1.5 times DTS bandwidth, Detector=Peak, Sweep=auto, Trace= max hold.
5. Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
6. Repeat above procedures until other frequencies measured were completed.

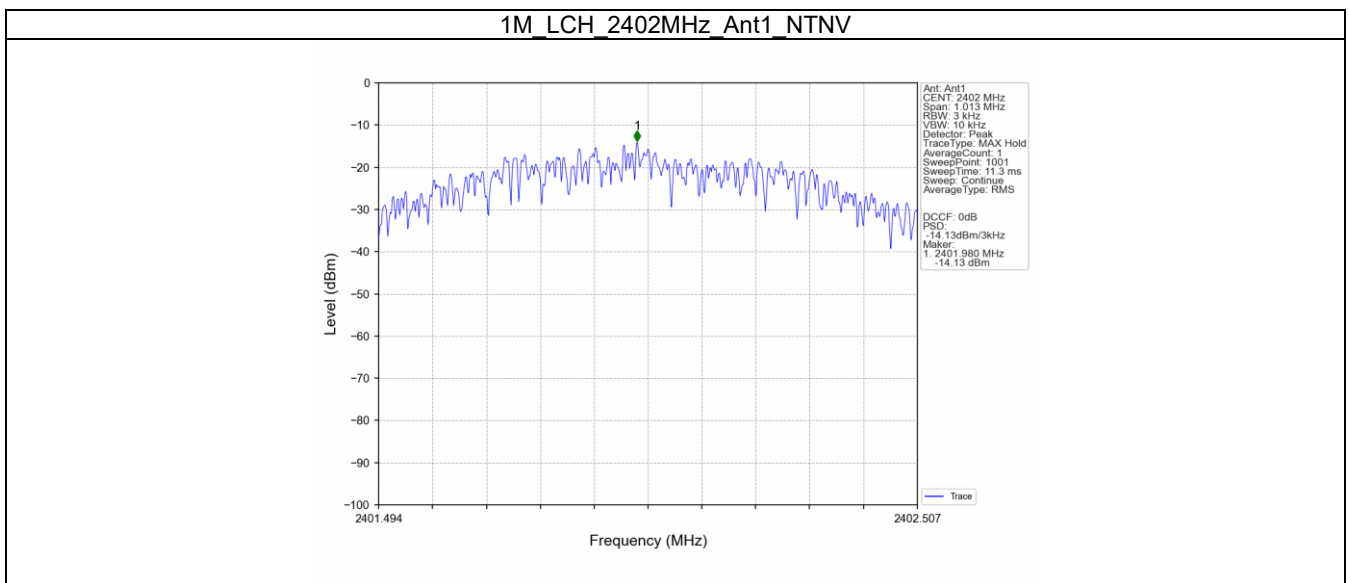
Limit

Limit [dBm/3KHz]

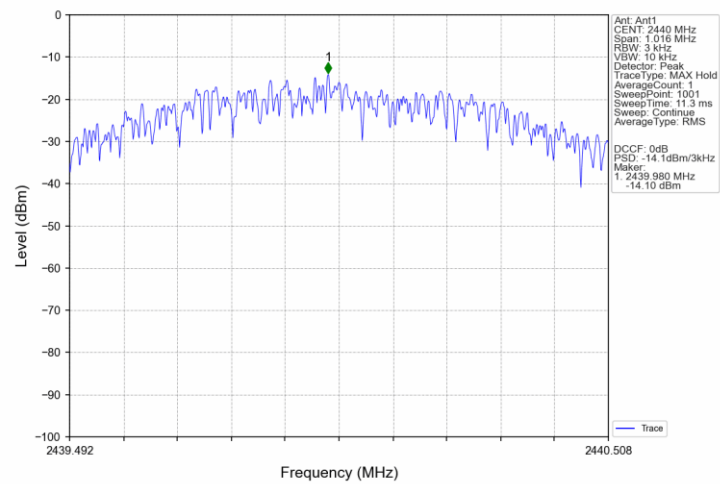
≤8

Test result

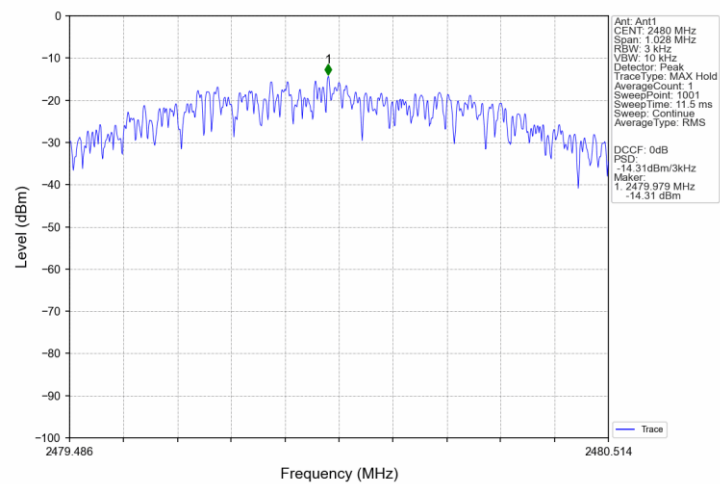
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-14.13	≤8	Pass
		2440	-14.10	≤8	Pass
		2480	-14.31	≤8	Pass



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



9.4 6 dB Bandwidth and 99% Occupied Bandwidth

Test Method for 6 dB Bandwidth

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set center frequency to the nominal EUT channel center frequency
3. Set RBW = 1% to 5% of the OBW but not less than 100kHz, VBW $\geq 3 \times$ RBW Detector = Peak. Trace mode = max hold. Sweep = auto Trace = max hold
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
5. Record the results in the test report.

Limit

Limit [kHz]

≥ 500

Test Method for 99 % Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW. Set RBW = 1 % to 5 % of the OBW Set VBW ≥ 3 RBW Trace mode = max hold. Sweep = auto couple. Allow the trace to stabilize.
3. Use the 99 % power bandwidth function of the instrument.
4. Record the results in the test report.

Limit

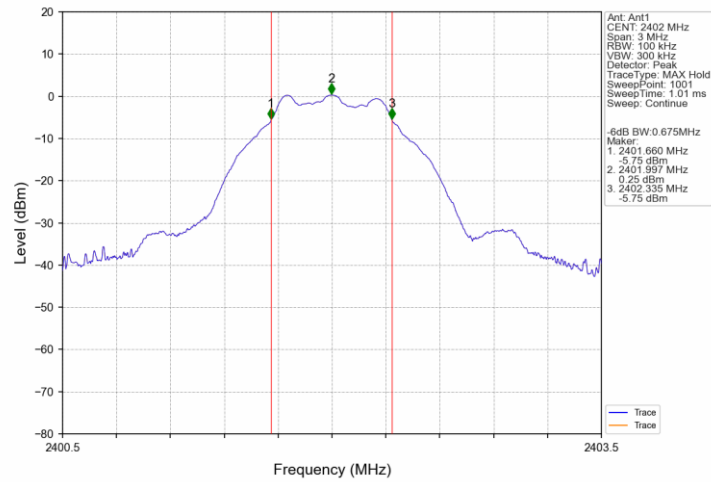
Limit [kHz]

Test result

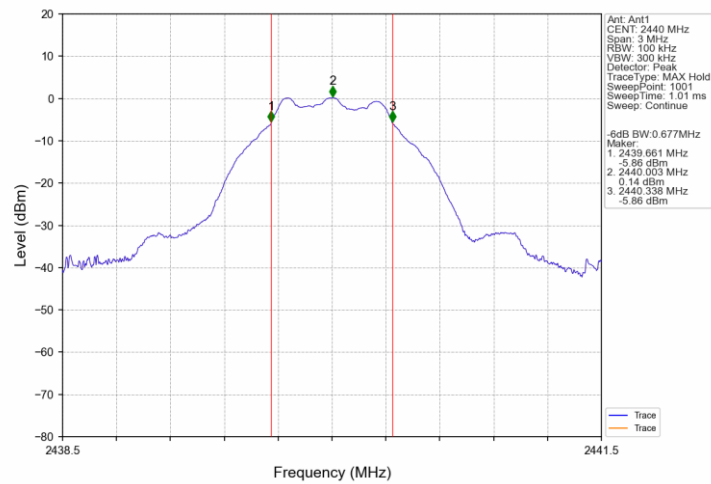
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	Result	Limit	
1M	SISO	2402	1	0.675	≥ 0.5	1.003	/	Pass
		2440	1	0.677	≥ 0.5	1.006	/	Pass
		2480	1	0.685	≥ 0.5	1.011	/	Pass

6 dB Bandwidth

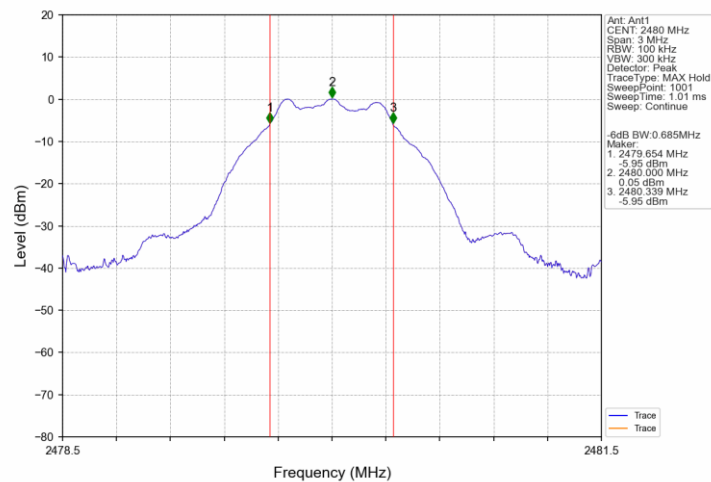
1M_LCH_2402MHz_Ant1_NTNV

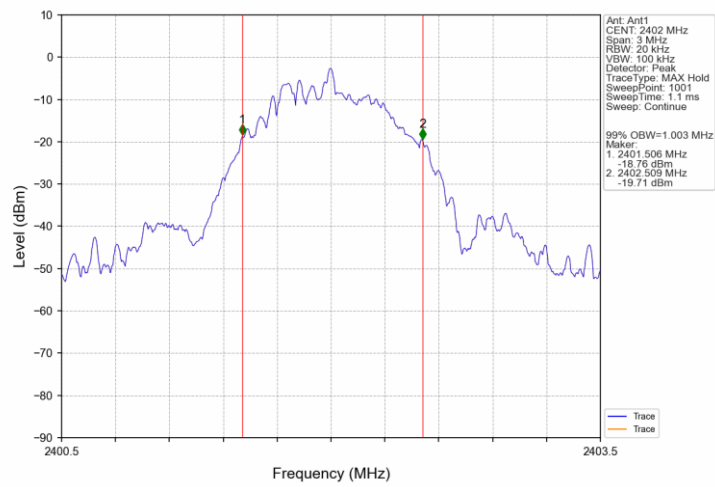
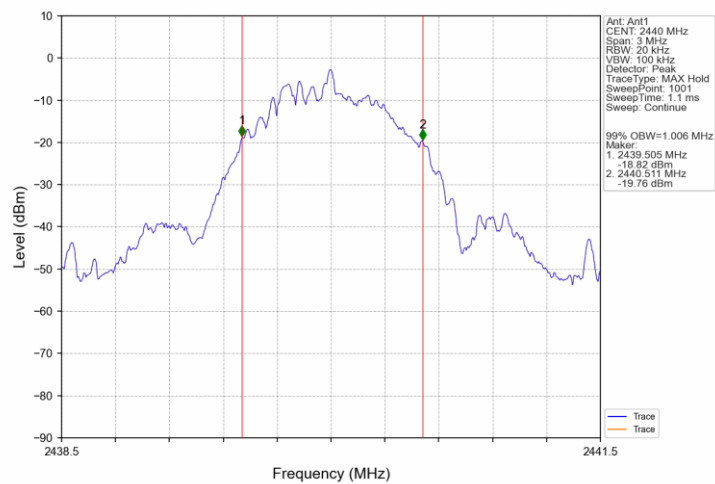
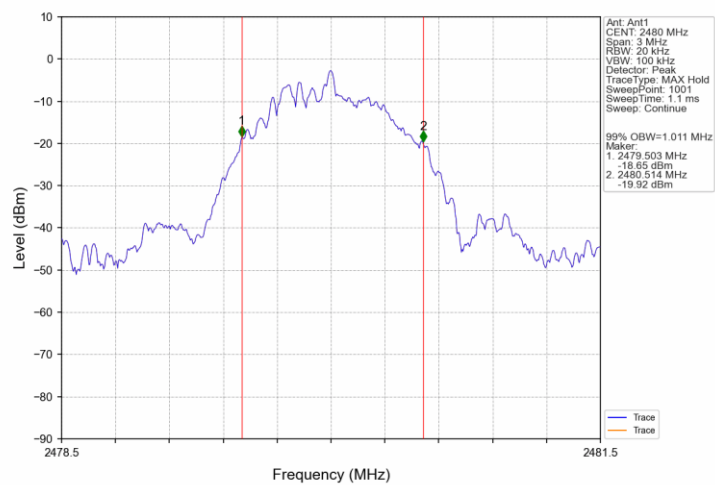


1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



99% Bandwidth**1M_LCH_2402MHz_Ant1_NTNV****1M_MCH_2440MHz_Ant1_NTNV****1M_HCH_2480MHz_Ant1_NTNV**

9.5 Spurious RF Conducted Emissions

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 100 kHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
5. The level displayed must comply with the limit specified in this Section. Submit these plots.
6. Repeat above procedures until all frequencies measured were complete.

Limit

Frequency Range MHz	Limit (dBc)
30-25000	-20

Test results

Reference:

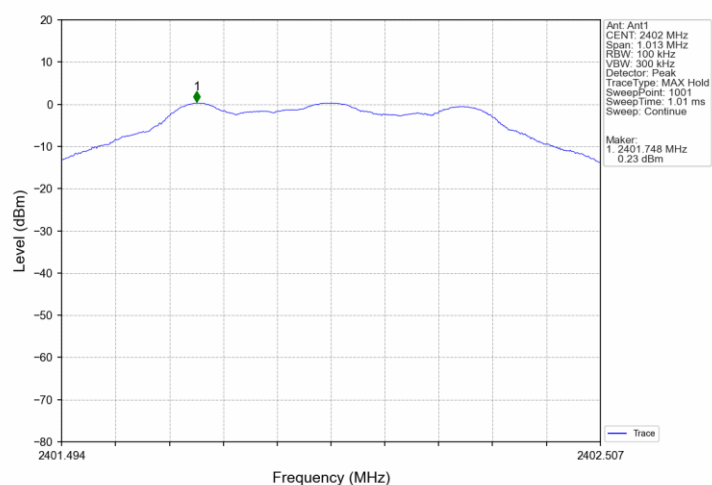
Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	0.23
		2440	1	0.12
		2480	1	0.04
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

Conducted spurious emission:

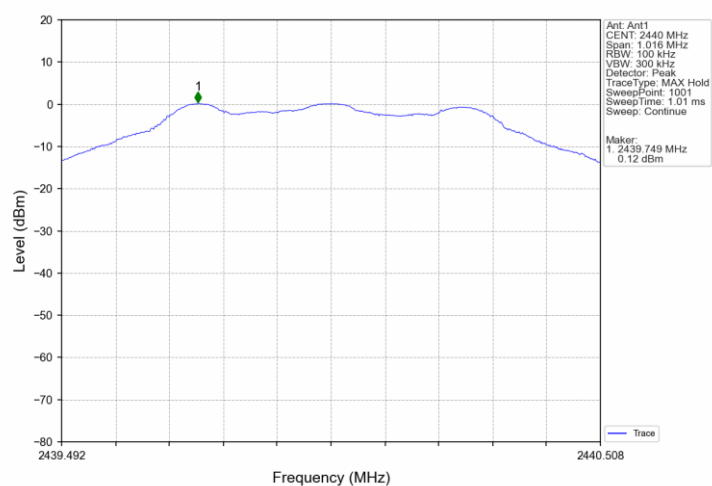
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.23	-19.77	Pass
		2440	1	0.12	-19.88	Pass
		2480	1	0.04	-19.96	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

Reference:

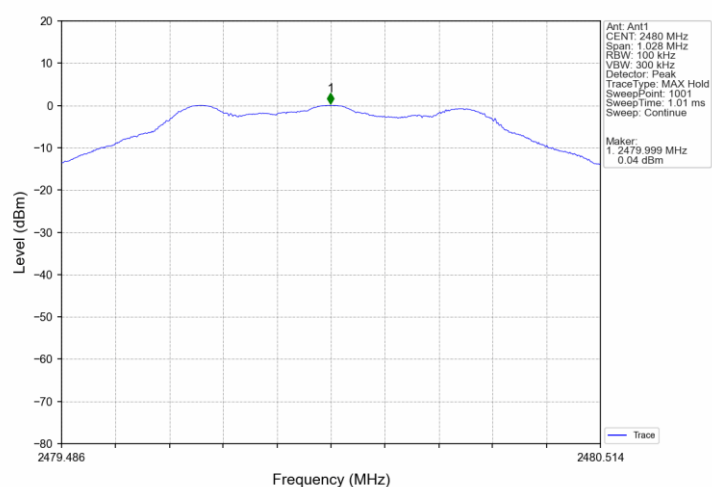
1M_LCH_2402MHz_Ant1_NTNV



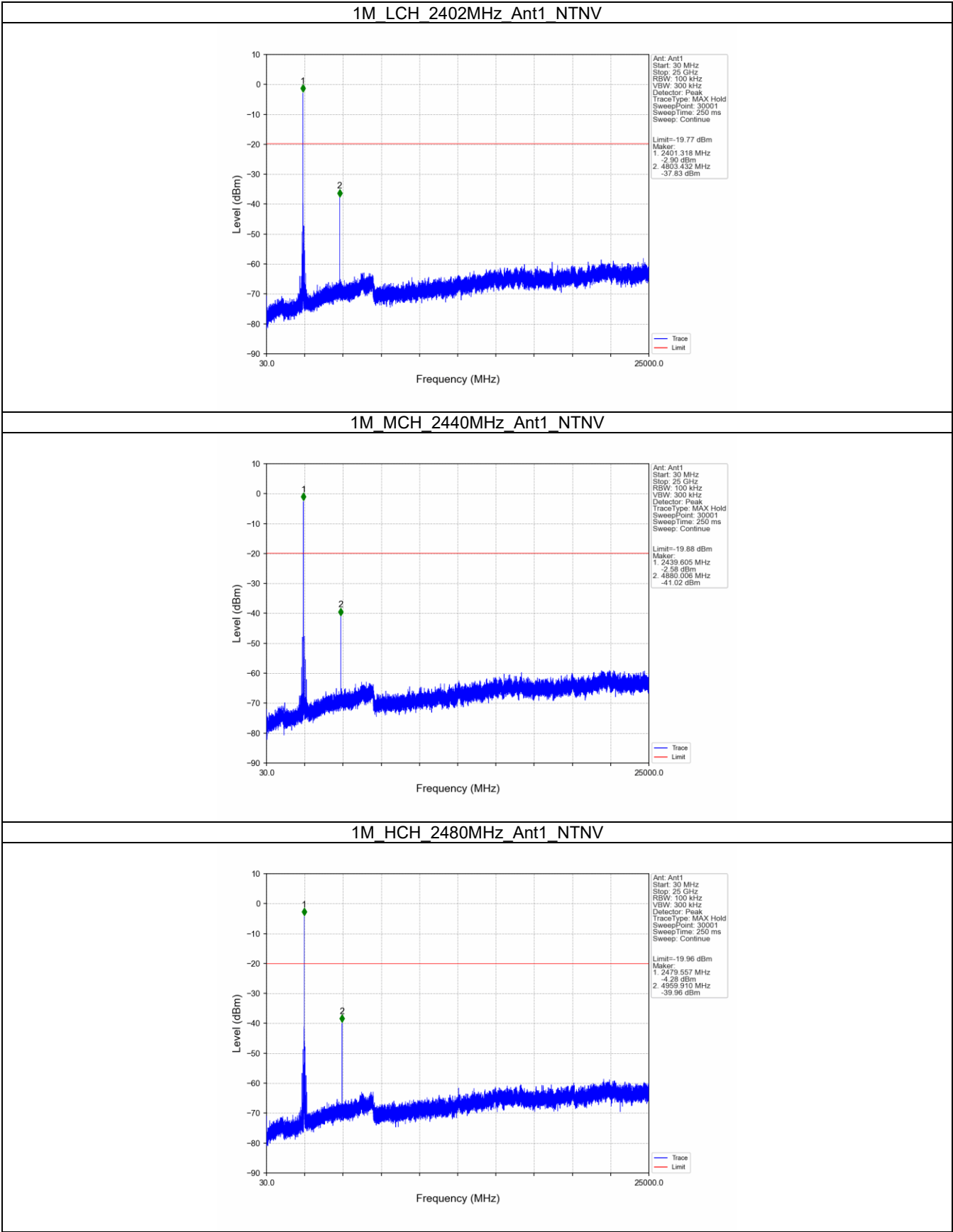
1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



CSE:



9.6 Band Edge

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 100 kHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
5. The level displayed must comply with the limit specified in this Section. Submit these plots.
6. Repeat above procedures until all frequencies measured were complete.

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under § 15.247(b)(3) and RSS-247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB.

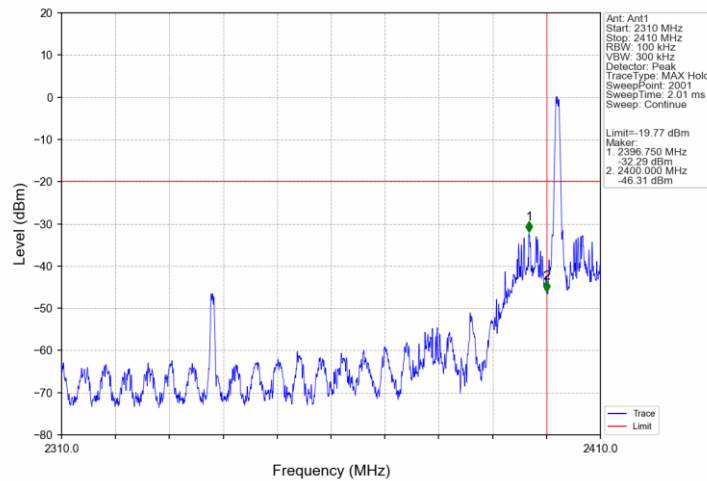
Frequency Range MHz	Limit (dBc)
30-25000	-20

Test results

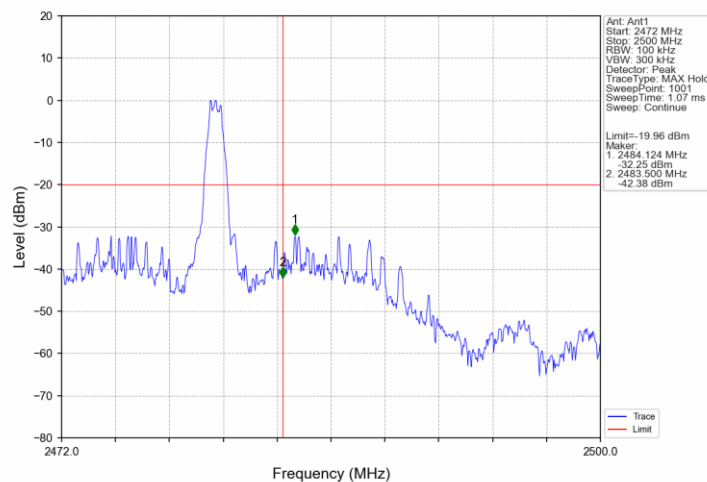
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.23	-19.77	Pass
		2440	1	0.12	-19.88	Pass
		2480	1	0.04	-19.96	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

1M_LCH_2402MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



9.7 Spurious Radiated Emissions for Transmitter

Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings According to C63.10:

For Below 1GHz

Use the following test receiver settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
 RBW = 100 KHz to 120KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Peak unwanted emissions Above 1GHz:

Span = wide enough to capture the peak level of the in-band emission and all spurious
 RBW = 1MHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Procedures for average unwanted emissions measurements above 1000 MHz

a) RBW = 1MHz.

b) VBW \ [3 × RBW].

c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq \text{RBW} / 2$.

Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.

d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)

e) Sweep time = auto.

f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

2) If linear voltage averaging mode was used in the preceding step e), then the correction

factor is $[20 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission (AV) at frequency above 1GHz.

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under § 15.247(b)(3) and RSS 247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in § 15.209(a) and RSS-Gen is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a) and RSS-Gen section 8.9, must also comply with the radiated emission limits specified in § 15.209(a) and RSS-Gen section 8.10.

Frequency MHz	Field Strength $\mu\text{V/m}$	Field Strength $\text{dB}\mu\text{V/m}$	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit $3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 300\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(300\text{m}/3\text{m})$ (Below 30MHz)

Note 2: Limit $3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 30\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(30\text{m}/3\text{m})$ (Below 30MHz)

Spurious radiated emissions for transmitter

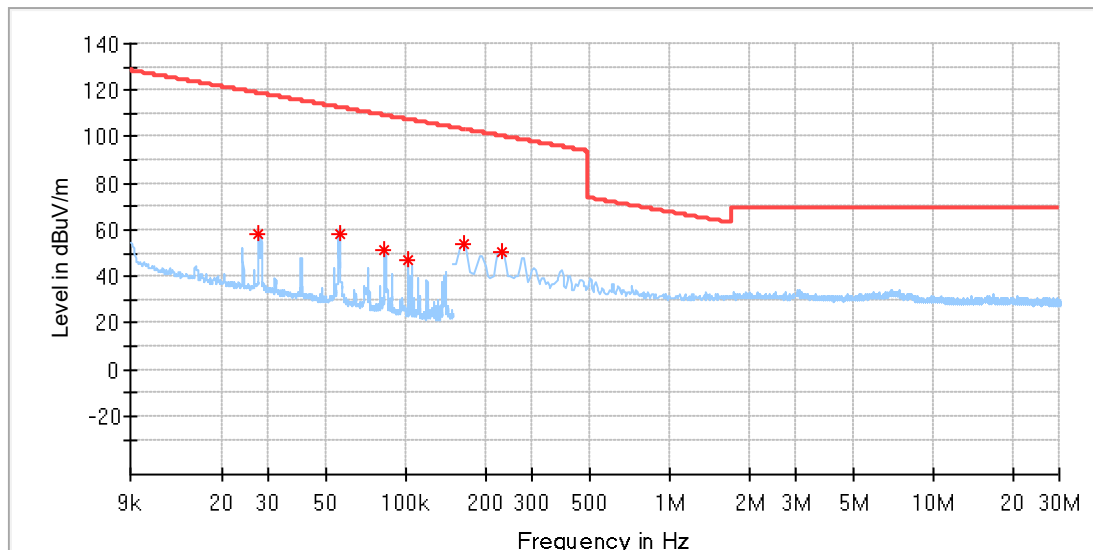
According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Transmitting spurious emission test result as below:

Test performed on 48VDC and 24VDC, only 9kHz-26GHz of 48VDC and worst case of 30MHz-1GHz of 24VDC test data was put in report.

FCC Test Data (9kHz-30MHz):

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Horizontal
 Comment : 120VAC, 60Hz (POE DC 48V)



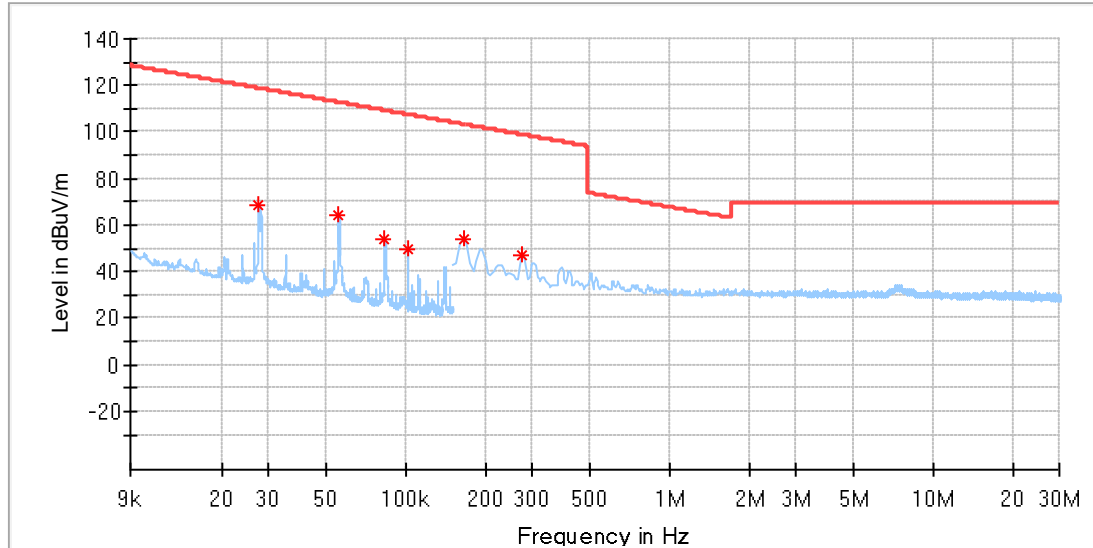
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
0.027659	58.55	118.75	60.20	H	351.0	19.88	---
0.056235	57.87	112.59	54.72	H	288.0	19.92	---
0.083119	51.68	109.20	57.52	H	24.0	19.92	---
0.101402	47.15	107.48	60.32	H	297.0	19.93	---
0.164925	54.05	103.25	49.20	H	214.0	19.89	---
0.229600	50.89	100.38	49.49	H	18.0	19.88	---

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
---	---	---	---		---	---	---

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Horizontal
 Comment : 120VAC, 60Hz (POE DC 48V)



Critical_Freqs

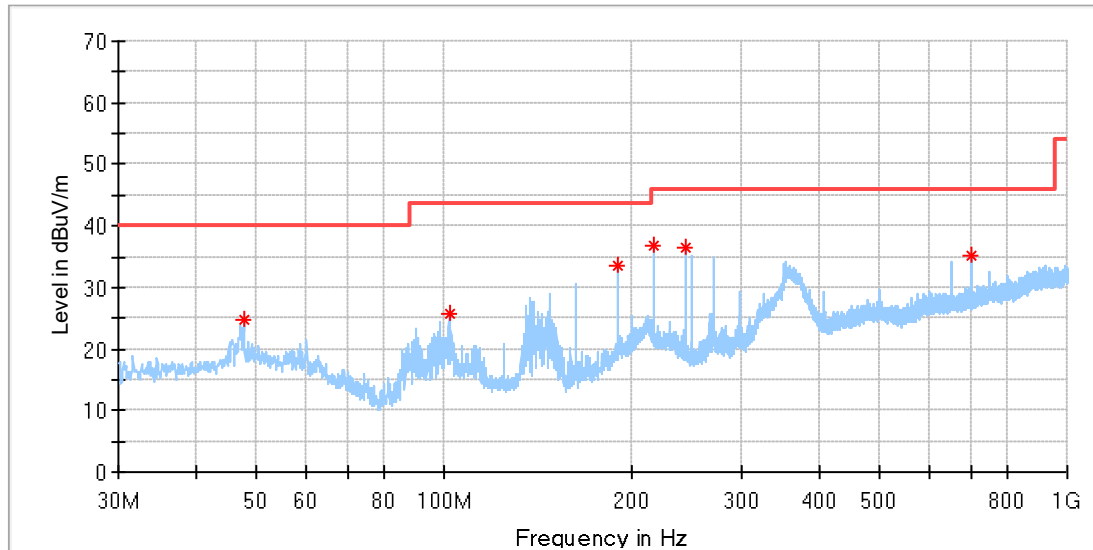
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
0.027659	68.15	118.75	50.60	V	196.0	19.88	---
0.055389	64.42	112.73	48.31	V	123.0	19.92	---
0.083213	54.08	109.19	55.11	V	105.0	19.92	---
0.101449	49.57	107.47	57.90	V	3.0	19.93	---
0.164925	54.24	103.25	49.01	V	354.0	19.89	---
0.274375	47.26	98.83	51.58	V	63.0	19.90	---

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
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FCC Test Data (30MHz-1000MHz):

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Horizontal
 Comment : 120VAC, 60Hz (POE DC 48V)



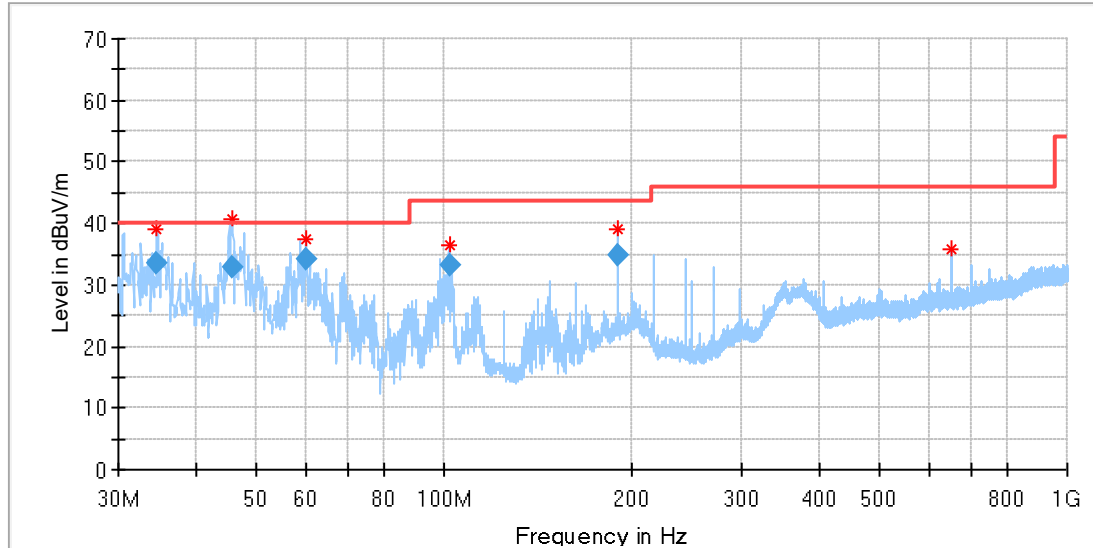
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
47.763125	24.79	40.00	15.21	100.0	H	242.0	20.74	---
101.840625	25.83	43.50	17.67	200.0	H	280.0	19.18	---
189.807500	33.52	43.50	9.98	100.0	H	242.0	18.27	---
216.967500	36.79	46.00	9.21	100.0	H	80.0	18.93	---
244.127500	36.35	46.00	9.65	100.0	H	259.0	20.41	---
700.088125	35.31	46.00	10.69	100.0	H	227.0	29.20	---

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
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Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Vertical
 Comment : 120VAC, 60Hz (POE DC 48V)



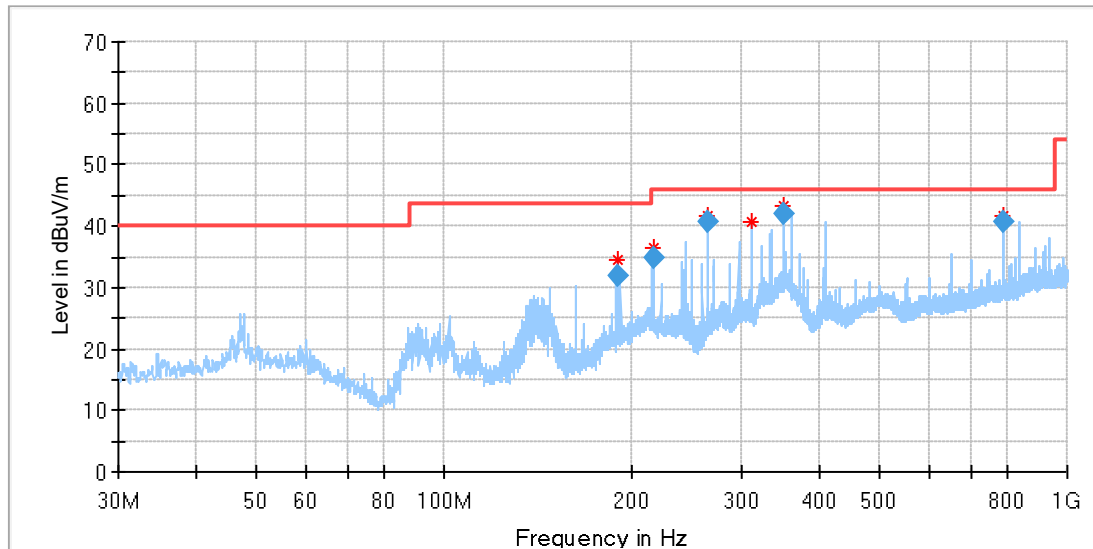
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
34.607500	38.97	40.00	1.03	100.0	V	0.0	17.29	---
45.701875	40.66	40.00	-0.66	100.0	V	155.0	20.62	---
60.191250	37.40	40.00	2.60	100.0	V	139.0	19.64	---
101.840625	36.41	43.50	7.09	100.0	V	207.0	19.18	---
189.807500	39.22	43.50	4.28	100.0	V	124.0	18.27	---
650.072500	35.77	46.00	10.23	100.0	V	50.0	28.74	---

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
34.607500	33.50	40.00	6.50	100.0	V	0.0	17.29	---
45.701875	32.90	40.00	7.10	100.0	V	155.0	20.62	---
60.191250	34.30	40.00	5.70	100.0	V	139.0	19.64	---
101.840625	33.10	43.50	10.40	100.0	V	207.0	19.18	---
189.807500	35.00	43.50	8.50	100.0	V	124.0	18.27	---

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Horizontal
 Comment : 120VAC, 60Hz (DC 24V)



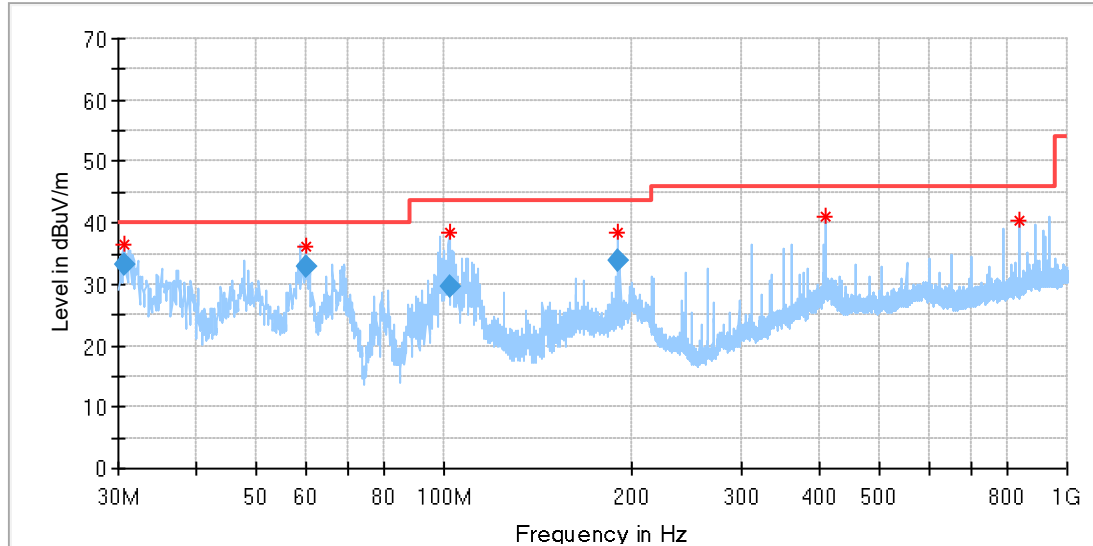
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
189.807500	34.44	43.50	9.06	100.0	H	266.0	18.27
216.967500	36.49	46.00	9.51	100.0	H	80.0	18.93
264.012500	41.82	46.00	4.18	100.0	H	87.0	20.61
311.966875	40.67	46.00	5.33	100.0	H	131.0	21.74
351.009375	43.40	46.00	2.60	100.0	H	259.0	23.43
791.995625	41.59	46.00	4.41	100.0	H	124.0	30.57

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
189.807500	31.90	43.50	11.60	100.0	H	266.0	18.27
216.967500	34.70	46.00	11.30	100.0	H	80.0	18.93
264.012500	40.60	46.00	5.40	100.0	H	87.0	20.61
351.009375	42.10	46.00	3.90	100.0	H	259.0	23.43
791.995625	40.80	46.00	5.20	100.0	H	124.0	30.57

Product Type : Face Recognition Call Module for IPerCom System
 M/N : 1060/16
 Operating Condition : Continuous transmitting
 Test Specification : Vertical
 Comment : 120VAC, 60Hz (DC 24V)



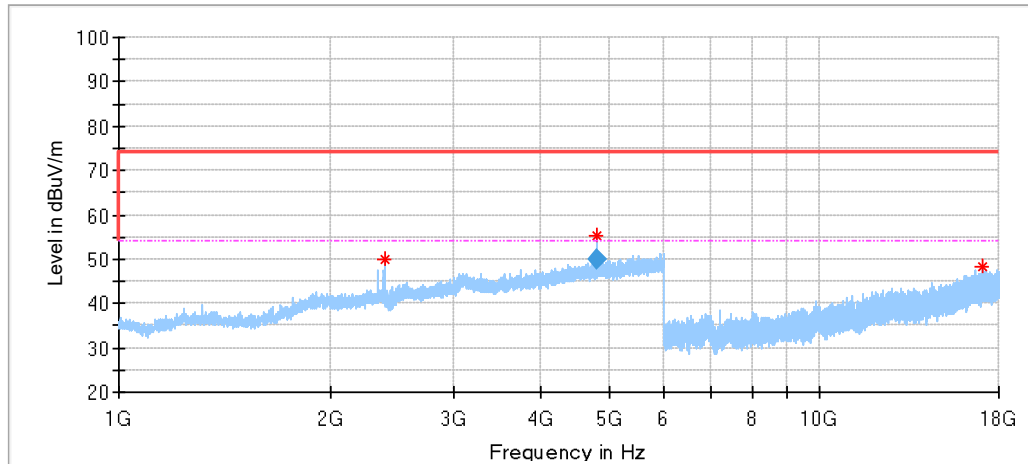
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.66875	36.40	40.00	3.60	100.0	V	14.0	16.70
60.191250	36.24	40.00	3.76	100.0	V	168.0	19.64
101.901250	38.52	43.50	4.98	100.0	V	205.0	19.18
189.807500	38.26	43.50	5.24	100.0	V	324.0	18.27
407.996875	40.98	46.00	5.02	100.0	V	124.0	24.37
840.010625	40.45	46.00	5.55	100.0	V	197.0	31.07

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.66875	33.30	40.00	6.70	100.0	V	14.0	16.70
60.191250	32.80	40.00	7.20	100.0	V	168.0	19.64
101.901250	29.60	43.50	13.90	100.0	V	205.0	19.18
189.807500	33.70	43.50	9.80	100.0	V	324.0	18.27

Test data 1GHz to 18GHz:
BLE_1Mbps_Low Channel:

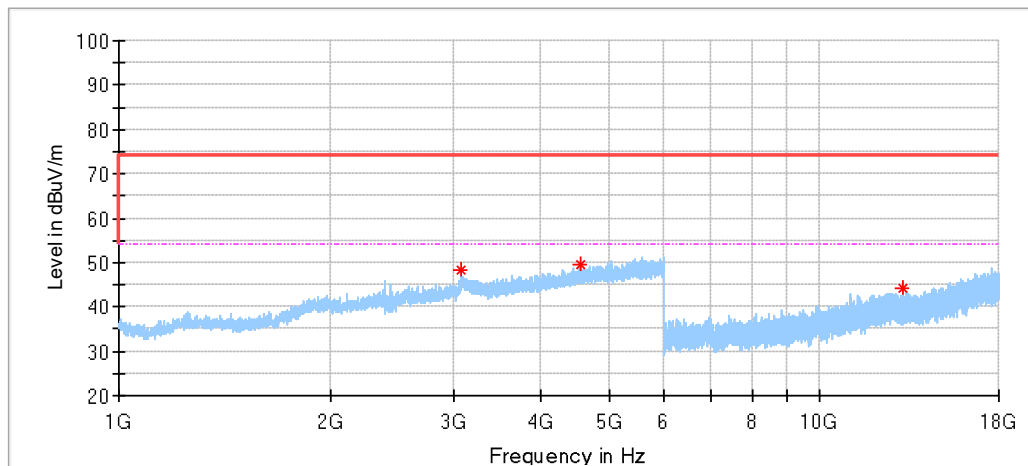


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.500000	49.84	74.00	24.16	150.0	H	304.0	-1.43
4804.500000	55.25	74.00	18.75	150.0	H	122.0	5.68
17030.500000	48.49	74.00	25.51	150.0	H	0.0	24.57

Critical_Freqs

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	49.80	54.00	4.20	150.0	H	122.0	5.68



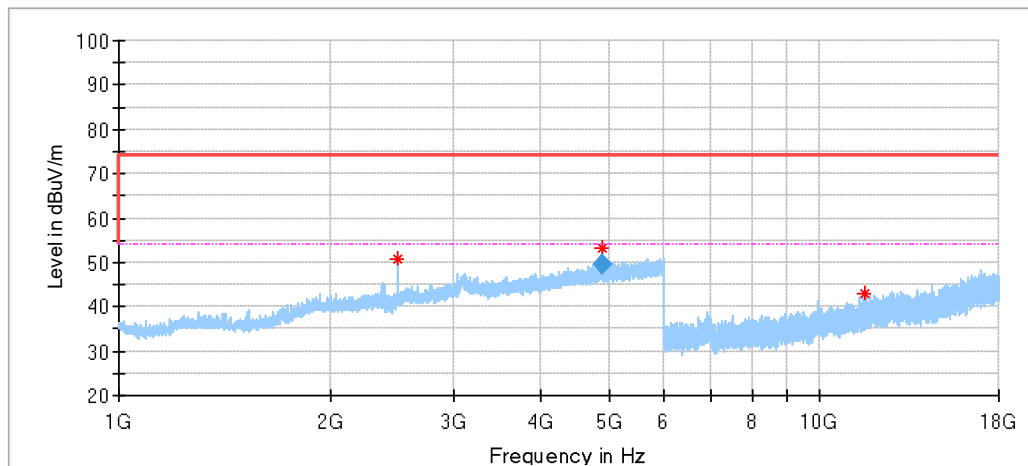
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3082.000000	48.12	74.00	25.88	150.0	V	88.0	2.30
4550.500000	49.48	74.00	24.52	150.0	V	271.0	4.93
13137.000000	44.21	74.00	29.79	150.0	V	329.0	16.51

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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BLE_1Mbps _Middle Channel:

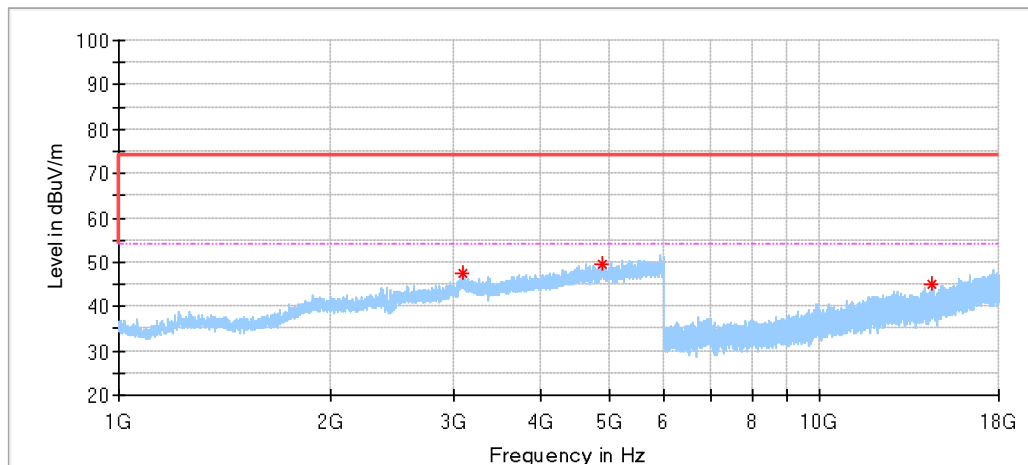


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2504.000000	50.81	74.00	23.19	150.0	H	0.0	-0.95
4879.500000	53.31	74.00	20.69	150.0	H	114.0	5.98
11559.500000	42.89	74.00	31.11	150.0	H	32.0	15.39

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	49.42	54.00	4.58	150.0	H	114.0	5.98



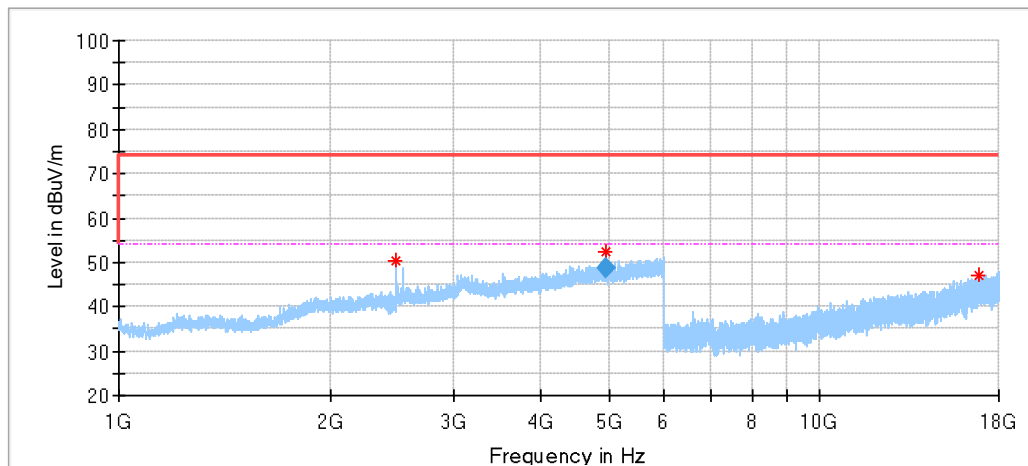
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3095.500000	47.59	74.00	26.41	150.0	V	74.0	2.65
4881.500000	49.51	74.00	24.49	150.0	V	181.0	5.97
14431.000000	45.01	74.00	28.99	150.0	V	281.0	17.43

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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BLE_1Mbps_High Channel:

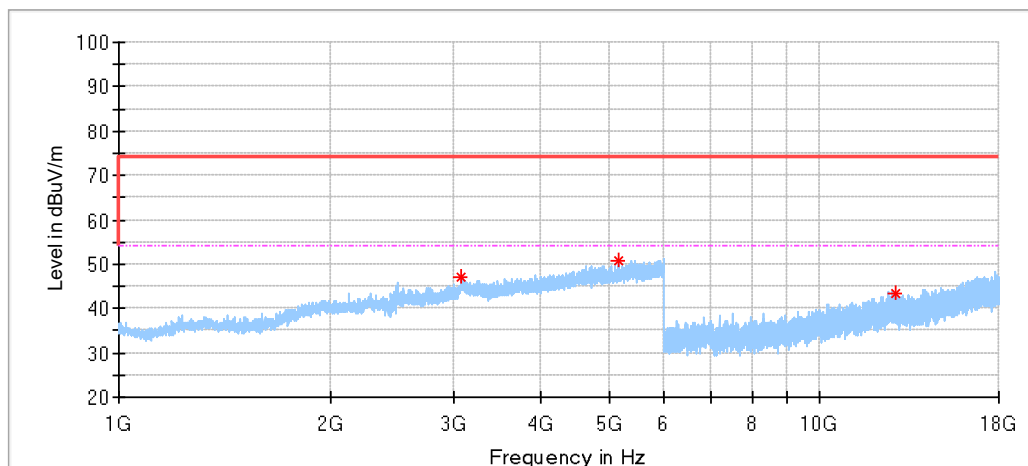


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.500000	50.31	74.00	23.69	150.0	H	86.0	-0.95
4960.000000	52.50	74.00	21.50	150.0	H	139.0	5.84
16896.000000	47.28	74.00	26.72	150.0	H	110.0	23.94

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	48.80	54.00	5.20	150.0	H	139.0	5.84



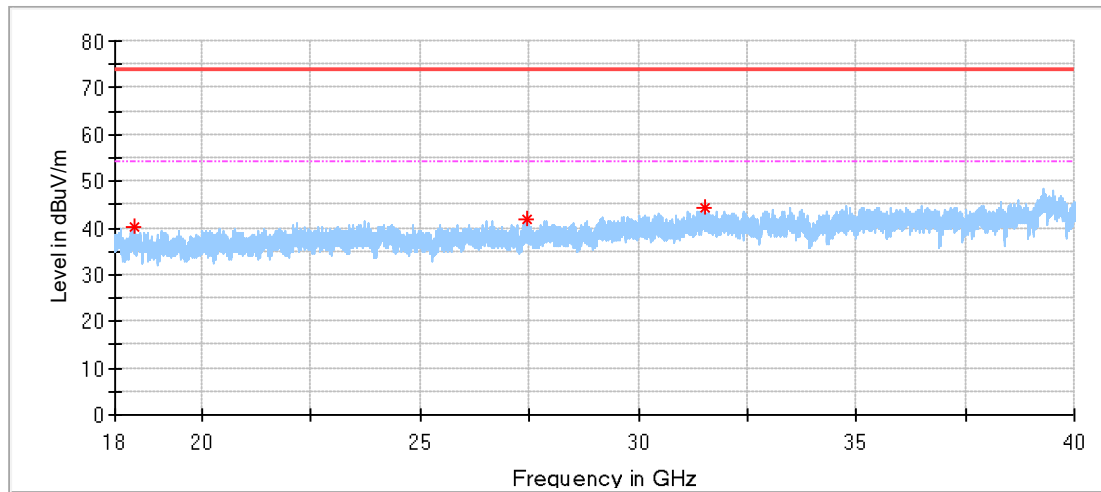
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3078.500000	47.14	74.00	26.86	150.0	V	245.0	2.21
5160.000000	50.67	74.00	23.33	150.0	V	281.0	6.34
12850.500000	43.37	74.00	30.63	150.0	V	329.0	16.60

Final_Result

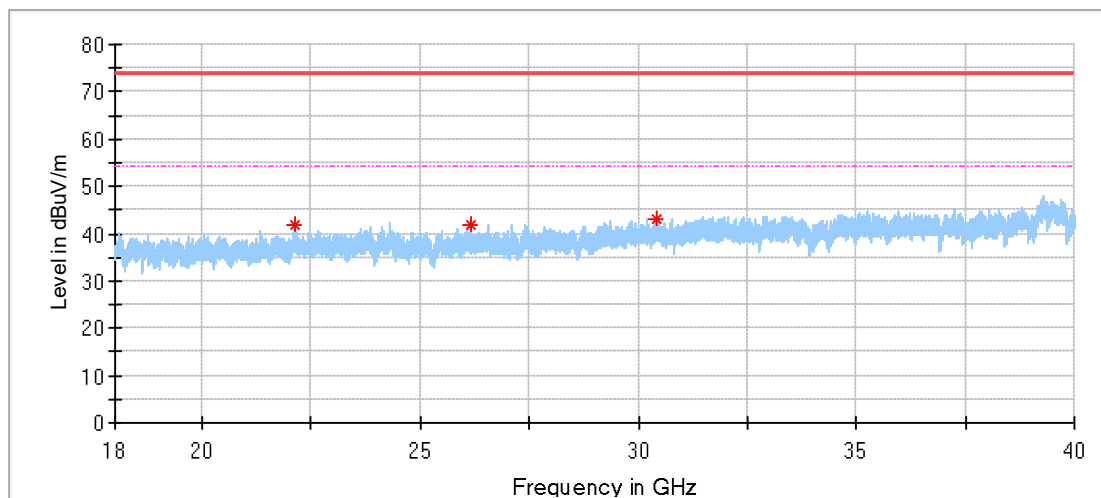
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Test data 18GHz to 40GHz:
BLE_1Mbps_Low Channel:



Critical Freqs

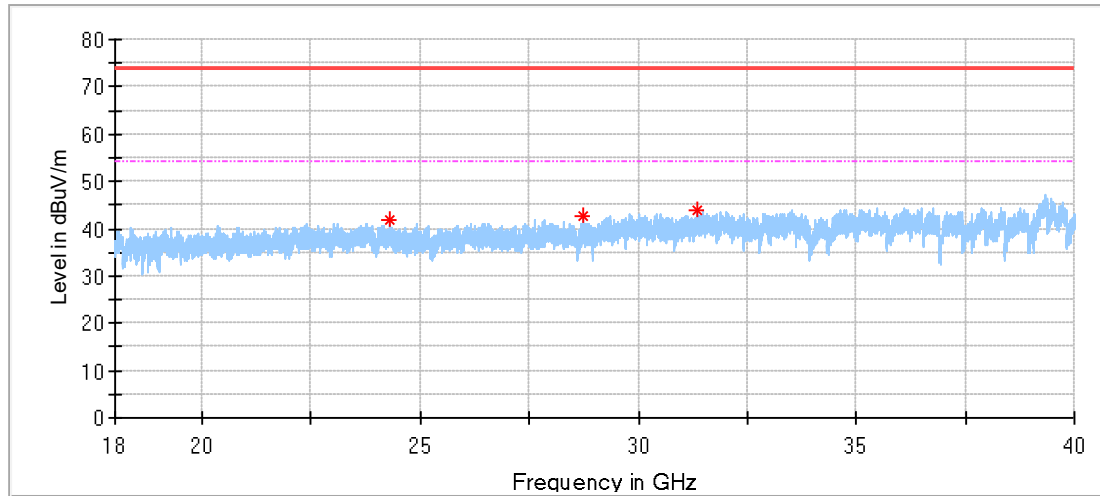
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18439.312500	40.28	74.00	33.72	150.0	H	330.0	-4.46
27455.187500	42.03	74.00	31.97	150.0	H	330.0	1.04
31532.750000	44.33	74.00	29.67	150.0	H	0.0	1.51



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
22142.187500	41.83	74.00	32.17	150.0	V	112.0	-1.22
26178.500000	41.80	74.00	32.20	150.0	V	245.0	0.80
30401.125000	43.26	74.00	30.74	150.0	V	205.0	0.95

BLE_1Mbps _Middle Channel:

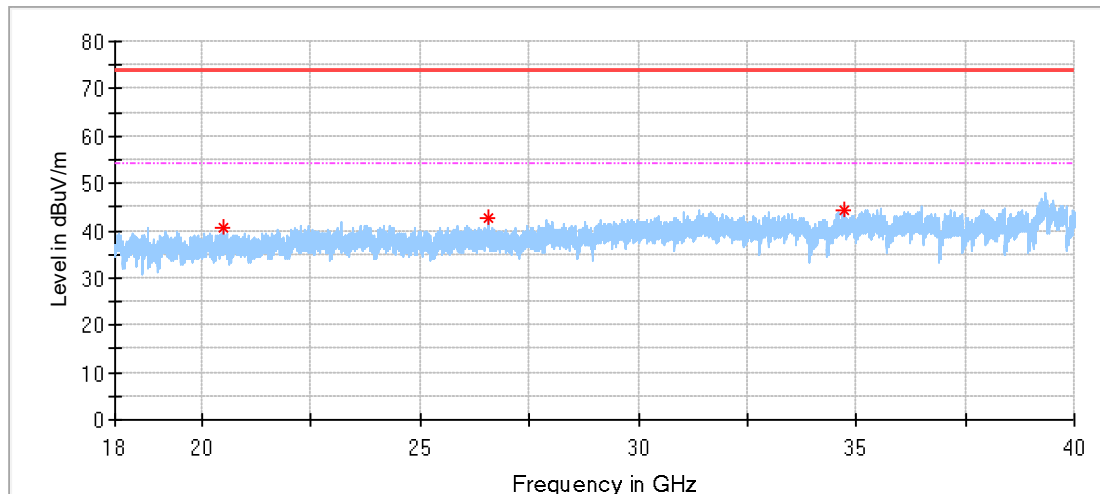


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
24314.687500	41.80	74.00	32.20	150.0	H	45.0	-0.17
28735.312500	42.53	74.00	31.47	150.0	H	315.0	0.22
31343.000000	43.79	74.00	30.21	150.0	H	235.0	1.12

Final_Result

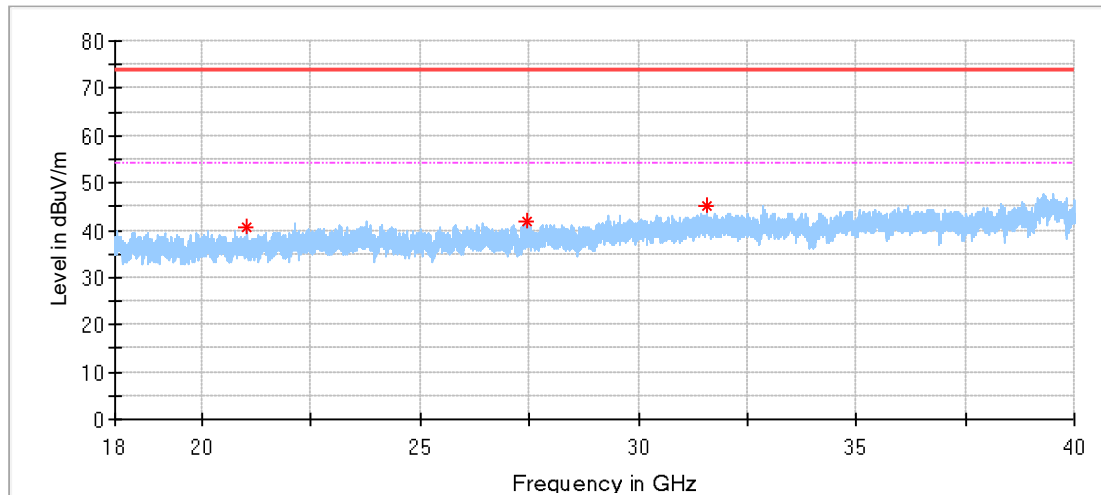
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Critical_Freqs

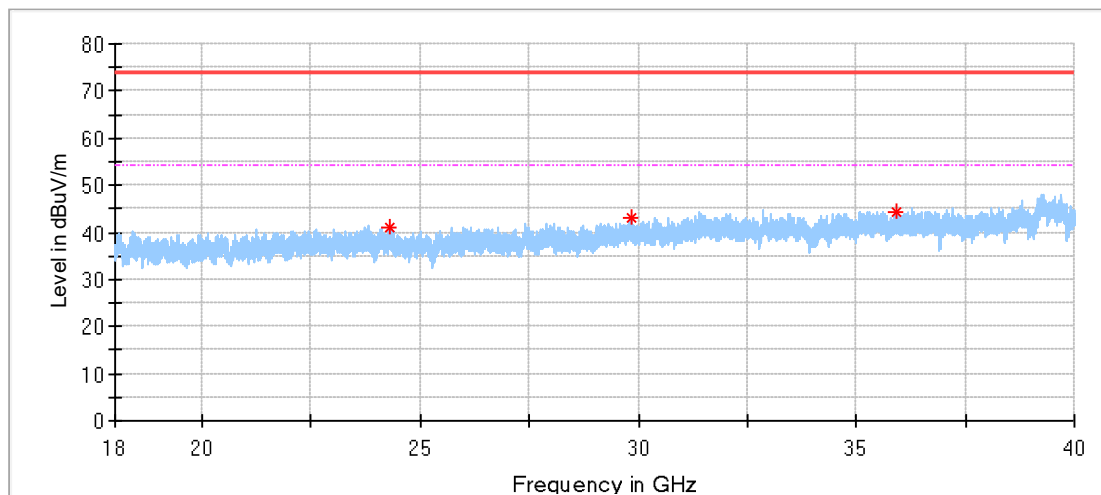
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20472.250000	40.65	74.00	33.35	150.0	V	325.0	-3.09
26561.437500	42.48	74.00	31.52	150.0	V	312.0	1.24
34742.687500	44.18	74.00	29.82	150.0	V	15.0	1.63

BLE_1Mbps_High Channel:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21038.062500	40.43	74.00	33.57	150.0	H	32.0	-2.44
27460.000000	41.89	74.00	32.11	150.0	H	126.0	1.06
31558.187500	45.21	74.00	28.79	150.0	H	330.0	1.49



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
24310.562500	40.92	74.00	33.08	150.0	V	85.0	-0.17
29829.812500	42.98	74.00	31.02	150.0	V	285.0	0.75
35926.562500	44.18	74.00	29.82	150.0	V	325.0	2.41

Remark:

Corrected Amplitude = Read level + Corrector factor

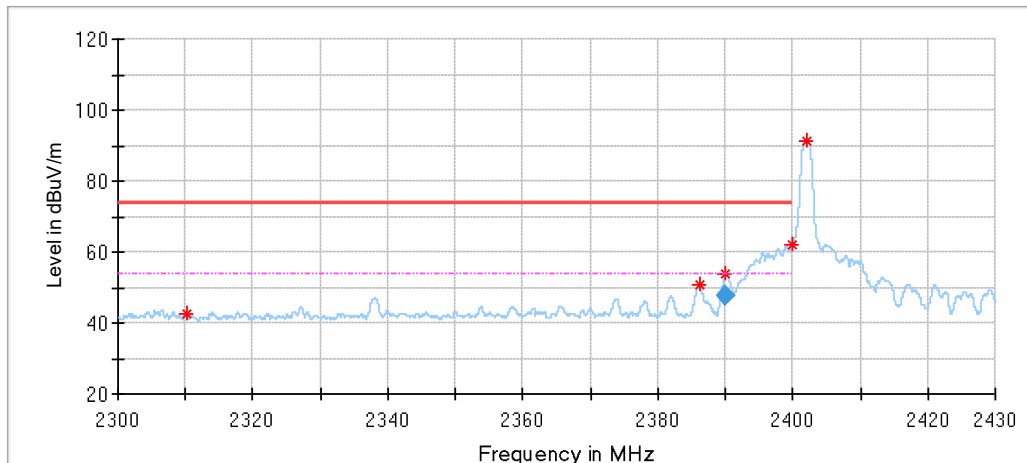
Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain

Below 1GHz: Corrector factor = Antenna Factor + Cable Loss

(The Reading Level is recorded by software which is not shown in the sheet)

Emissions at Restricted Band:

BLE_1Mbps_Low Channel:

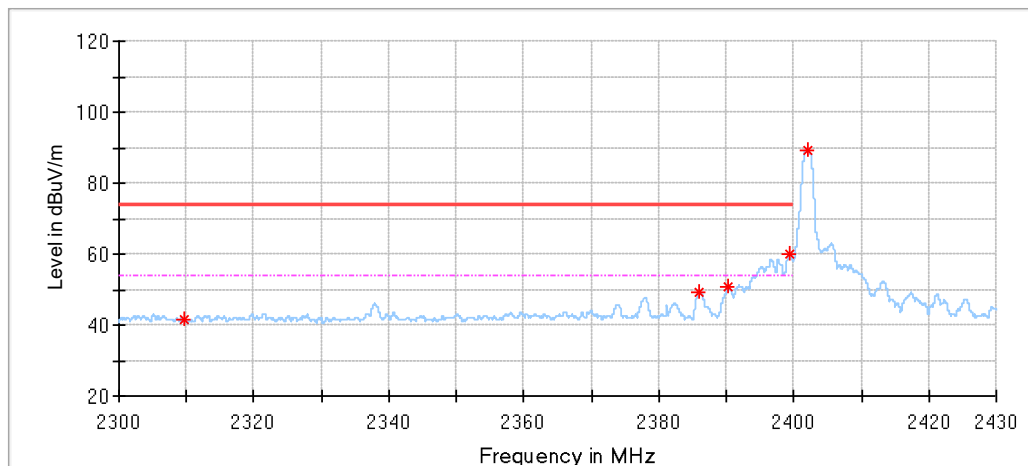


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.101000	42.42	74.00	31.58	150.0	H	237.0	-2.19
2386.268000	50.67	74.00	23.33	150.0	H	237.0	-1.98
2390.103000	53.81	74.00	20.19	150.0	H	237.0	-1.92
2399.996000	61.84	74.00	12.16	150.0	H	237.0	-1.76
2401.972000	91.54	---	---	150.0	H	237.0	-1.73

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.103000	47.62	54.00	6.38	150.0	H	237.0	-1.92



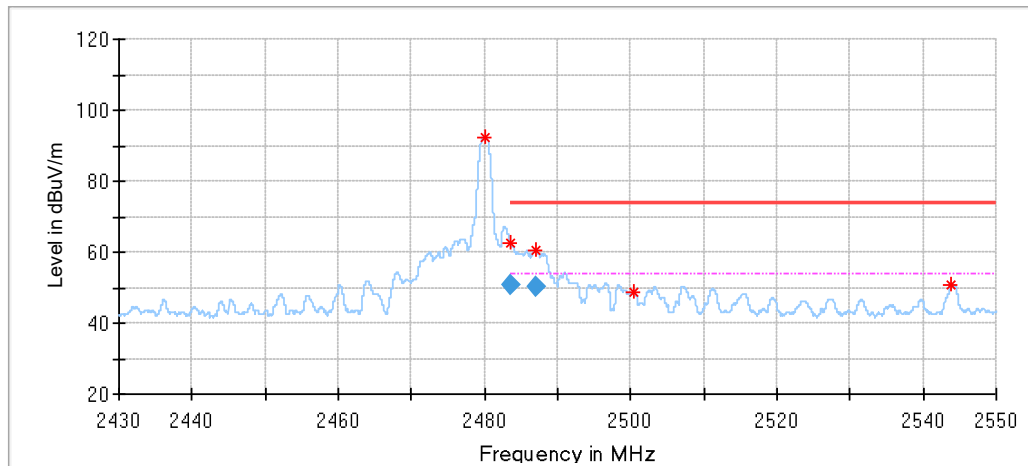
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2309.776000	41.61	74.00	32.39	150.0	V	247.0	-2.19
2385.878000	49.20	74.00	24.80	150.0	V	54.0	-1.99
2390.324000	50.63	74.00	23.37	150.0	V	54.0	-1.91
2399.359000	60.21	74.00	13.79	150.0	V	54.0	-1.77
2402.076000	89.22	---	---	150.0	V	54.0	-1.73

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

BLE_1Mbps_High Channel:

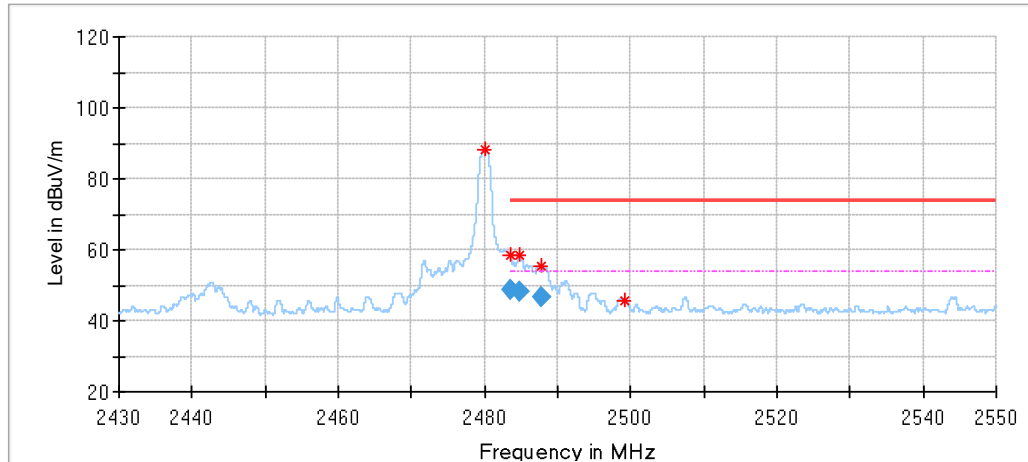


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.052000	92.38	---	---	150.0	H	235.0	-1.44
2483.508000	62.48	74.00	11.52	150.0	H	235.0	-1.45
2487.048000	60.68	74.00	13.32	150.0	H	235.0	-1.45
2500.320000	48.92	74.00	25.08	150.0	H	235.0	-1.48
2543.748000	50.96	74.00	23.04	150.0	H	268.0	-1.07

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.508000	50.93	54.00	3.07	150.0	H	235.0	-1.45
2487.048000	50.23	54.00	3.77	150.0	H	235.0	-1.45



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.028000	88.12	---	---	150.0	V	22.0	-1.44
2483.520000	58.28	74.00	15.72	150.0	V	22.0	-1.45
2484.816000	58.52	74.00	15.48	150.0	V	22.0	-1.45
2487.840000	55.49	74.00	18.51	150.0	V	55.0	-1.46
2499.180000	45.80	74.00	28.20	150.0	V	118.0	-1.48

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.520000	48.63	54.00	5.37	150.0	V	22.0	-1.45
2484.816000	48.06	54.00	5.94	150.0	V	22.0	-1.45
2487.840000	46.58	54.00	7.42	150.0	V	55.0	-1.46

10 Test Equipment List

List of Test Instruments

Radiated Spurious Emission Test(9kHz-30MHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2026-4-25
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-24
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(30MHz-1GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2026-4-18
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	68-4-80-14-003	708	1	2026-4-25
Pre-amplifier	Rohde & Schwarz	SCU08F2	68-4-29-19-004	08400018	1	2026-4-18
Cable	OUQIAO	18DLB5-NMNM-3000	68-4-90-14-002-A23	----	----	----
Cable	OUQIAO	18DLB5-NMSM-3000	68-4-90-14-002-A24	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(1GHz-18GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2026-4-18
Horn Antenna	Rohde & Schwarz	HF907	68-4-80-14-004	102295	1	2025-7-5
Pre-amplifier	Rohde & Schwarz	SCU18F	68-4-29-19-002	100746	1	2026-4-18
Cable	OUQIAO	18DLB5-NMNM-3000	68-4-90-14-002-A23	----	----	----
Cable	OUQIAO	18DLB5-NMSM-3000	68-4-90-14-002-A24	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(18GHz-40GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2026-4-18
Wideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2025-7-2
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2025-7-17
Cable	JUNFLON	MWX241	68-4-90-14-002-A22	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

RF Test System(FCC Part15 C)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2026-4-18
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2026-4-18
Cable	JUNFLON	J12J103539	68-4-90-19-003-A20	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A21	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A22	----	----	----
Test software	TST PASS	TST PASS	68-4-93-23-001-A03	Version 2.0	N/A	N/A
Test software	Tonscend	JS1120-3	68-4-74-14-006-A13	Version 2.6.77.0518	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	3	2025-10-15

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2026-4-25
LISN	Rohde & Schwarz	ENV432	68-4-87-16-001	101318	1	2026-4-25
LISN	Rohde & Schwarz	ENV4200	68-4-87-14-001	100249	1	2026-4-25
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2026-4-19
Cable	OUQIAO	RG142	68-4-90-19-005-A20	----	----	----
Test software	Rohde & Schwarz	EMC32	68-4-90-19-005-A01	Version10.35.02	N/A	N/A
Shielding Room	TDK	CSR #2	68-4-90-19-005	----	3	2025-10-15

11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Radiated Emission 9kHz-30MHz	4.69dB
Uncertainty for Radiated Spurious Emission 25MHz-1000MHz	Horizontal: 4.79dB Vertical: 4.79dB
Uncertainty for Radiated Spurious Emission 1000MHz-18000MHz	5.11dB
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	5.10dB
Uncertainty for RF Conducted Measurement power	1.12dB
Uncertainty Evaluation for PSD Conducted measurement	1.05dB
Uncertainty Evaluation for Spurious emissions Conducted measurement	2.07dB
Uncertainty Evaluation for Carrier Frequency	4.44PPM
Uncertainty Evaluation for OBW	2.32%
Uncertainty Evaluation for Humidity	1.32%
Uncertainty Evaluation for Temperature	0.26 °C

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.4.3 and 4.5.1.

---THE END OF REPORT---