

FCC/ISED - TEST REPORT

Report Number : **6895025054601** Date of Issue: **2025-07-01**

Model/HVIN : **V8260**

Product Type : **Eufymake UV printer E1**

Applicant : **Anker Innovations Limited**

Address : **Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road,
Central and Western District, HONG KONG**

Manufacturer : **Anker Innovations Limited**

Address : **Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road,
Central and Western District, HONG KONG**

Test Result : **Positive** **Negative**

Total pages including Appendices : **60**

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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 City, 518052, P. R. China

Telephone: 86 755 8828 6998

Fax: 86 755 828 5299

FCC Registration No.: 514049

FCC Designation No.: CN5009

IC Registration No.: 10320A

ISED CAB identifier: CN0077

3 Description of the Equipment Under Test

Product:	Eufymake UV printer E1
Model no.:	V8260
FCC ID:	2AOKB-V8260
IC:	23451-V8260
PMN:	UV Printer
HVIN:	V8260
Software	V3.0.11
Rating:	24VDC, 2.75A, 66W
Adapter Information:	Manufacturer: SHENZHEN TEKA TECHNOLOGY CO., LTD Model No.: TEKA060-2402750 Input: 100-240VAC, 50/60Hz, 1.4A Output: 24VDC, 2.75A, 66W
RF Transmission Frequency:	2402MHz-2480MHz
No. of Operated Channel:	40
Modulation:	GFSK
Antenna Type:	FPC Antenna
Antenna Gain:	3.90dBi
S/N	N/A
Description of the EUT:	The Equipment Under Test (EUT) is a Eufymake UV printer E1 supports Bluetooth Low Energy / Wi-Fi functions
Remark:	This report is only for Bluetooth Low Energy.

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
RSS-Gen Issue 5 April 2018 Amendment 1 March 2019 + Amendment 2 February 2021	General Requirements for Compliance of Radio Apparatus
RSS-247 Issue 3 August 2023	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and License-Exempt Local Area Network (LE- LAN) Devices

All the test methods were according to KDB 558074 D01 15.247 Meas Guidance v05r02 Measurement Guidance and ANSI C63.10-2013.

5 Summary of Test Results

Technical Requirements			
FCC Part 15 Subpart C/ RSS-247 Issue 3/RSS-Gen Issue 5			
Test Condition		Test Site	Test Result
§15.207 & RSS-GEN 8.8	Conducted emission AC power port	Site 1	Pass
§15.247 (b) (3) & RSS-247 5.4(d)	Conducted peak output power	Site 1	Pass
RSS-247 5.4(d)	Equivalent Isotropic Radiated Power	Site 1	Pass
§15.247(a)(2) & RSS-247 5.2(a) & RSS-GEN 6.7	6dB bandwidth and 99% Occupied Bandwidth	Site 1	Pass
§15.247(e) & RSS-247 5.2(b)	Power spectral density	Site 1	Pass
§15.247(d) & RSS-247 5.5	Spurious RF conducted emissions	Site 1	Pass
§15.247(d) & RSS-247 5.5	Band edge	Site 1	Pass
§15.247(d) & §15.209 & §15.205 & RSS-247 5.5 & RSS-Gen 6.13	Spurious radiated emissions for transmitter	Site 1	Pass
§15.203 & RSS-Gen 6.8	Antenna requirement	See note 2	Pass

Note 1: N/A=Not Applicable.

Note 2: The EUT uses an Internal Integrated FPC Antenna, which gain is 3.90dBi. In accordance to §15.203 & RSS-Gen 6.8, 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: 2AOKB-V8260, complies with Section 15.207, 15.209, 15.205, 15.247 of the FCC Part 15, Subpart C.

This submittal(s) (test report) is intended for IC:23451-V8260, complies with RSS-247, RSS-GEN.

The Model: V8260 supports Bluetooth Low Energy/Wi-Fi functions, power by 24VDC. The TX and RX range is 2402MHz-2480MHz for Bluetooth, 2412MHz – 2462MHz for 2.4GHz Wi-Fi, 5180MHz – 5320MHz, 5500MHz – 5700MHz, 5745MHz – 5825MHz for 5GHz Wi-Fi. (This device shall not be capable of transmitting in the band 5600-5650MHz for Canada. This restriction is for the protection of Terminal Doppler Weather Radar (TDWR) operating in this band.)

This report is for the Bluetooth Low Energy part.

SUMMARY:

All tests according to the regulations cited on page 6 were

- Performed
- **Not** Performed

The Equipment under Test

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

Sample Received Date: 2025-04-20

Testing Start Date: 2025-04-27

Testing End Date: 2025-05-10

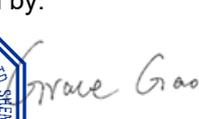
- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Reviewed by:



John Zhi
Project Manager

Prepared by:

Grace Gao
Project Engineer

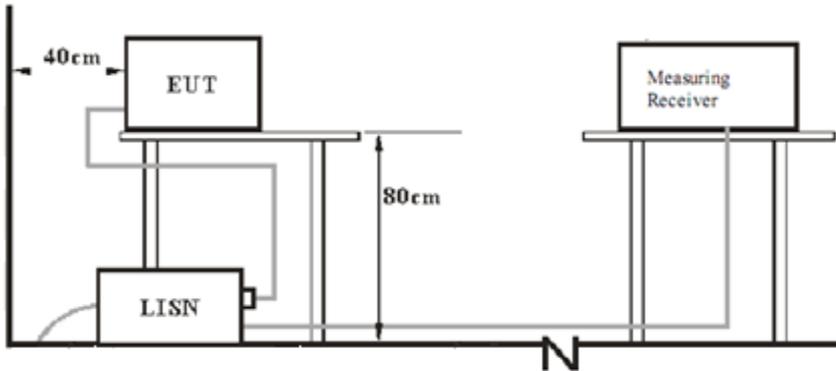
Tested by:



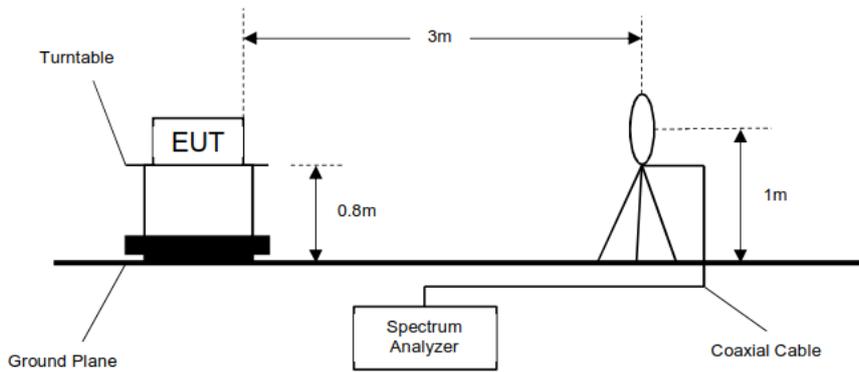
Carry Cai
Test Engineer

7 Test Setups

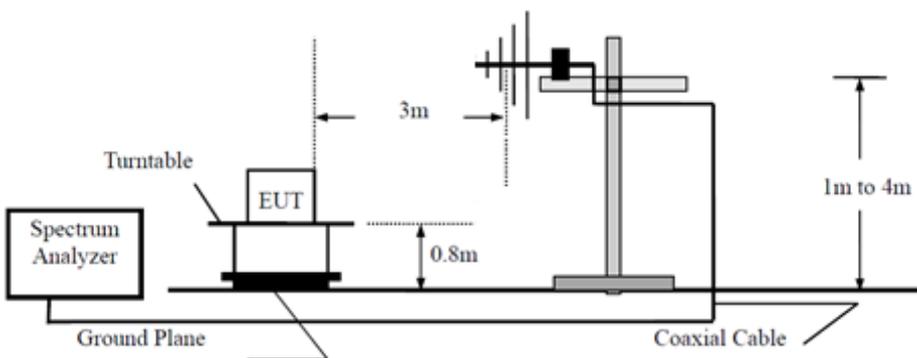
7.1 AC Power Line Conducted Emission test setups



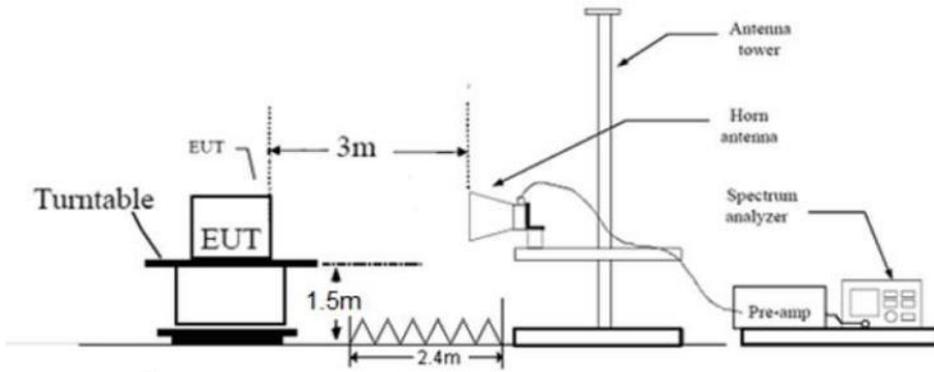
7.2 Radiated test setups 9KHz - 30MHz



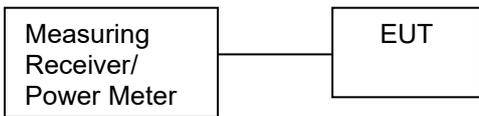
30MHz - 1GHz



Above 1GHz



7.3 Conducted RF test setups



8 Systems Test Configuration

Auxiliary Equipment Used during Test:

Description	Manufacturer	Model NO.	S/N
Laptop	HP Inc	HP ProBook 445 G10	/

Test software information:

Test Software Version	NetAssistv4325	
Frequency	Modulation	Setting TX Power
2402-2480MHz	GFSK	Default

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.

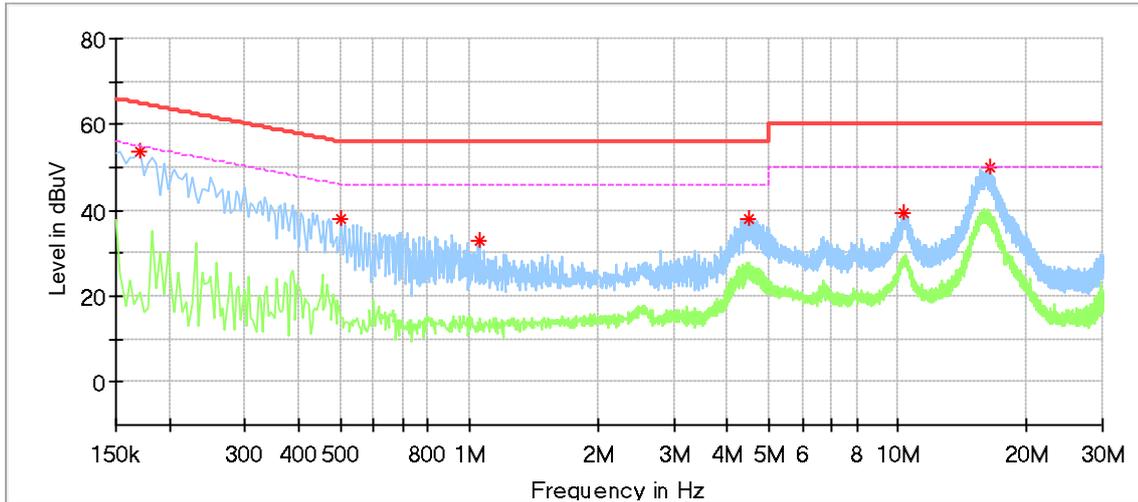
Limit

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 : Eufymake UV printer E1
 M/N : V8260
 Operating Condition : Transmitting
 Test Specification : Line
 Comment : 24VDC Power by external adaptor (AC 120V/60Hz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.170000	53.76	---	64.96	11.20	L1	9.67
0.502000	38.12	---	56.00	17.88	L1	9.67
1.058000	33.07	---	56.00	22.93	L1	9.68
4.494000	38.19	---	56.00	17.81	L1	9.77
10.254000	39.21	---	60.00	20.79	L1	9.91
16.342000	50.08	---	60.00	9.92	L1	10.02

Final_Result

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

Remark:

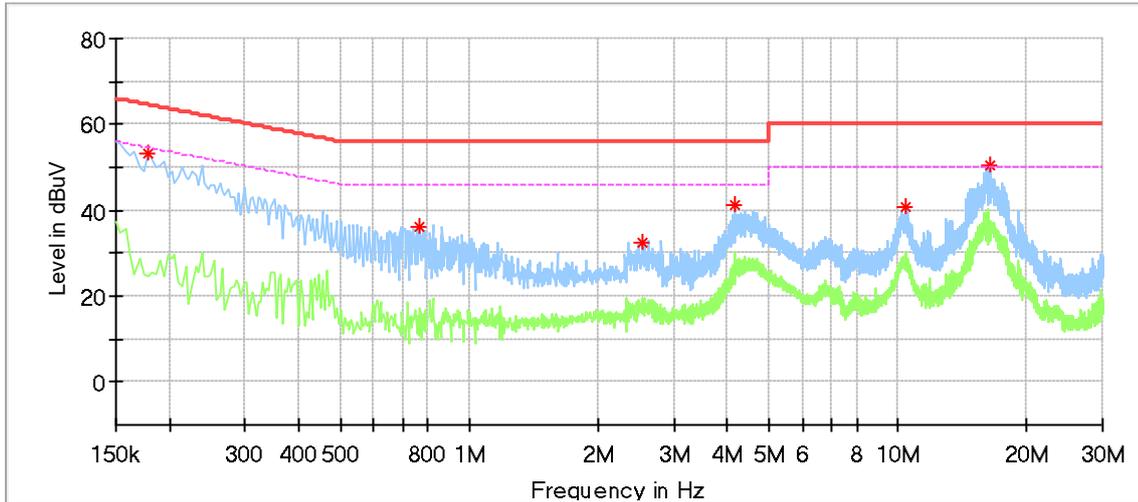
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

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

Conducted Emission

Product Type : Eufymake UV printer E1
 M/N : V8260
 Operating Condition : Transmitting
 Test Specification : Neutral
 Comment : 24VDC Power by external adaptor (AC 120V/60Hz)



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.178000	53.22	---	64.58	11.36	N	9.66
0.766000	35.96	---	56.00	20.04	N	9.67
2.530000	32.46	---	56.00	23.54	N	9.72
4.182000	41.24	---	56.00	14.76	N	9.76
10.434000	40.95	---	60.00	19.05	N	9.91
16.342000	50.51	---	60.00	9.49	N	10.02

Final Result

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

Remark:

Level=Reading Level + Correction Factor

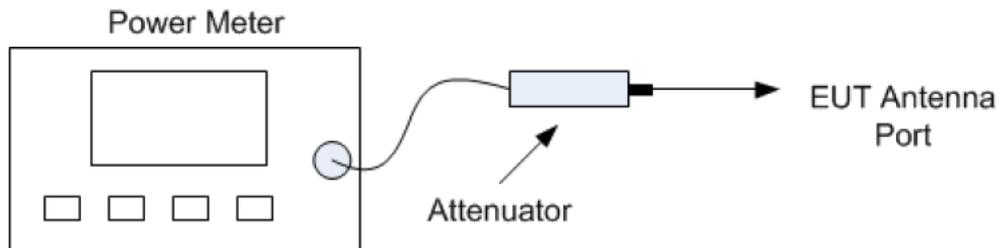
Correction Factor=Cable Loss + LISN Factor

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

9.2 Conducted Output Power & EIRP

Test Method

- 1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- 4) Measure the peak power of the transmitter. This measurement is a peak over both the ON and OFF periods of the transmitter.



Power meter conducted test setup

Limits

According to §15.247 (b) (3) & RSS-247 5.4(d), conducted output power limit as below:

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

According to & RSS-247 5.4(d), EIRP limit as below:

Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤4	≤36



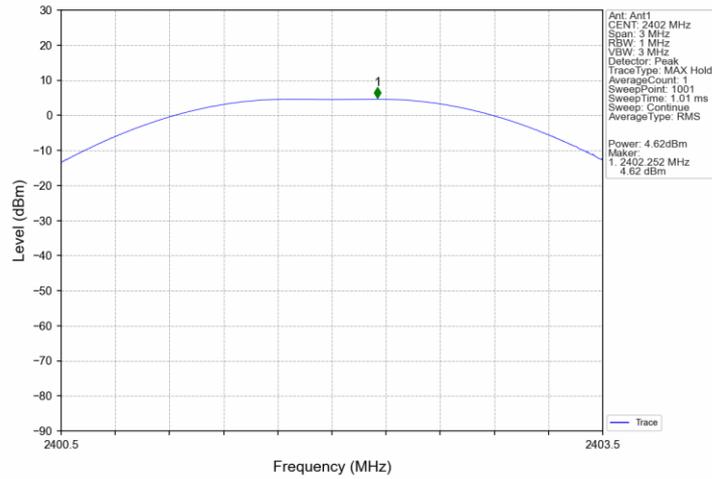
Conducted Output Power & EIRP

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT	Limit	
1M	SISO	2402	4.62	<=30	Pass
		2440	4.56	<=30	Pass
		2480	4.17	<=30	Pass
2M	SISO	2402	4.68	<=30	Pass
		2440	4.55	<=30	Pass
		2480	4.20	<=30	Pass

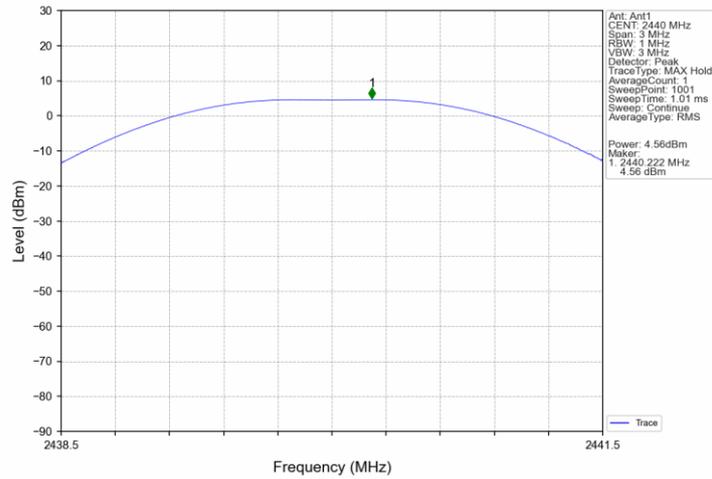
Mode	TX Type	Frequency (MHz)	EIRP (dBm)		Verdict
			ANT	Limit	
1M	SISO	2402	8.52	<=36	Pass
		2440	8.46	<=36	Pass
		2480	8.07	<=36	Pass
2M	SISO	2402	8.58	<=36	Pass
		2440	8.45	<=36	Pass
		2480	8.1	<=36	Pass

Note: ANT gain is 3.90 dBi;

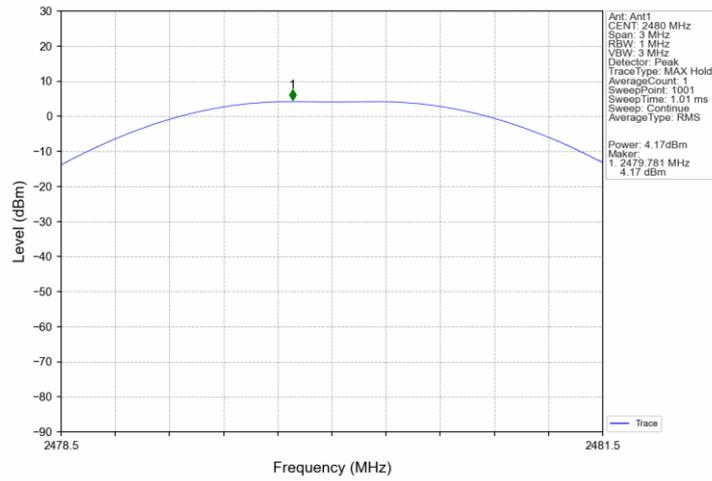
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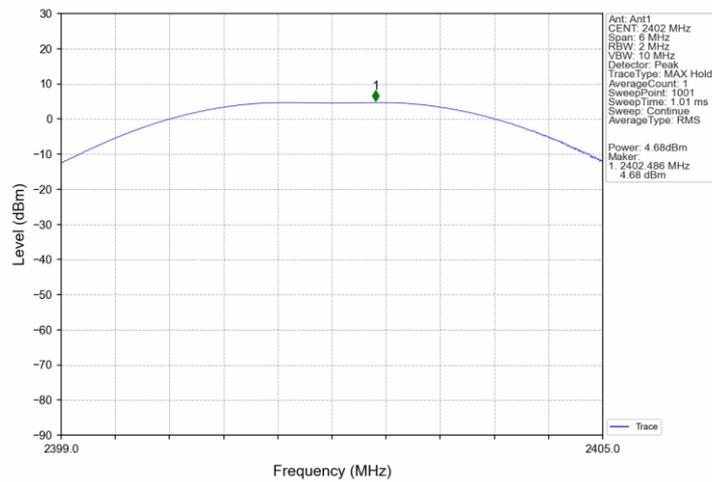
1M_MCH_2440MHz_Ant1_NTNV



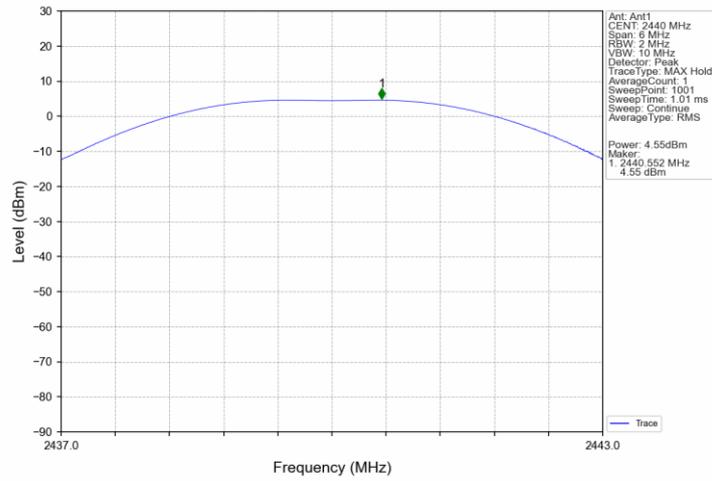
1M_HCH_2480MHz_Ant1_NTNV



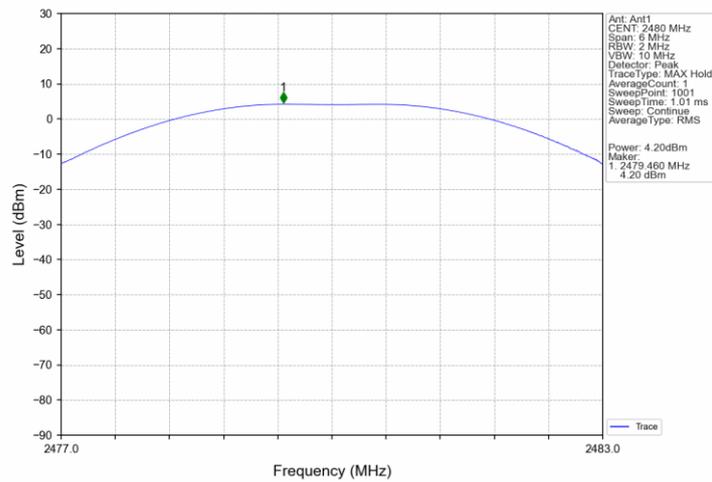
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_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]

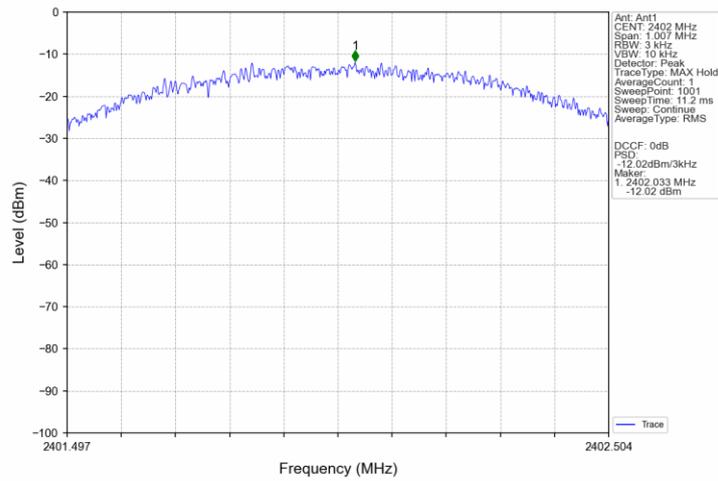
≤8

Test result

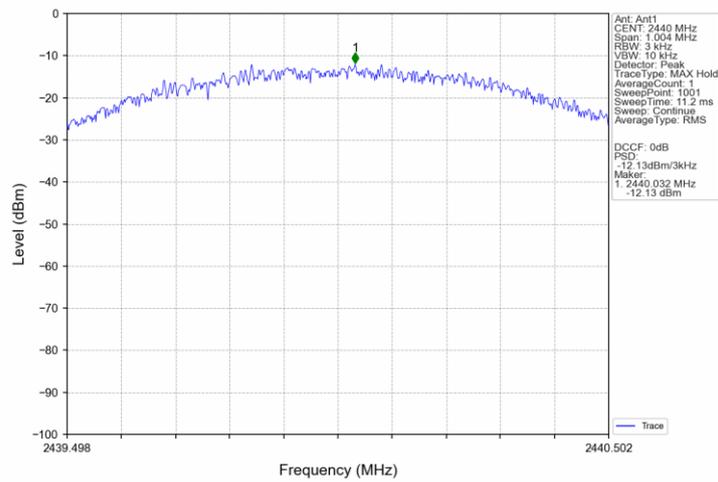
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT	Limit	
1M	SISO	2402	-12.02	≤8	Pass
		2440	-12.13	≤8	Pass
		2480	-12.49	≤8	Pass
2M	SISO	2402	-14.99	≤8	Pass
		2440	-15.14	≤8	Pass
		2480	-15.49	≤8	Pass

Note1: Antenna Gain: 3.90dBi;

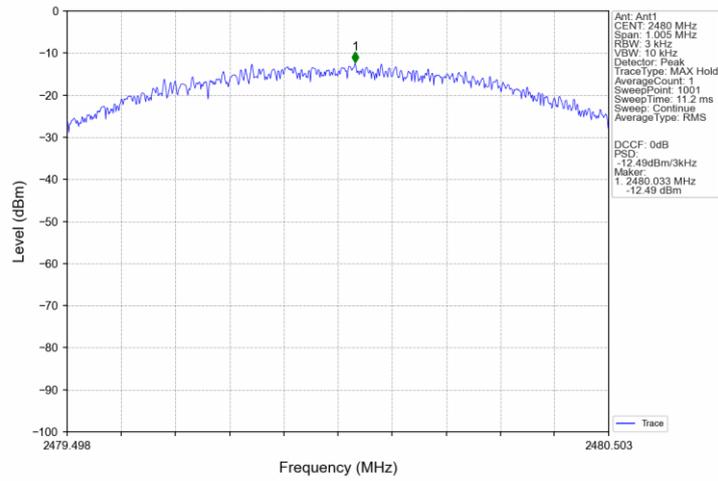
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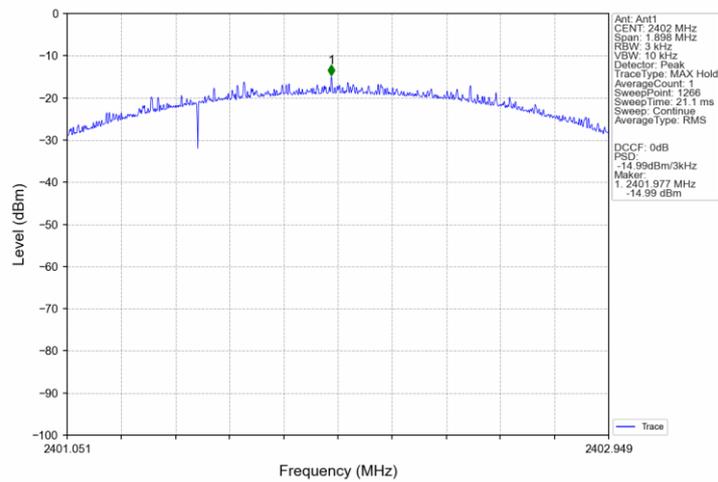
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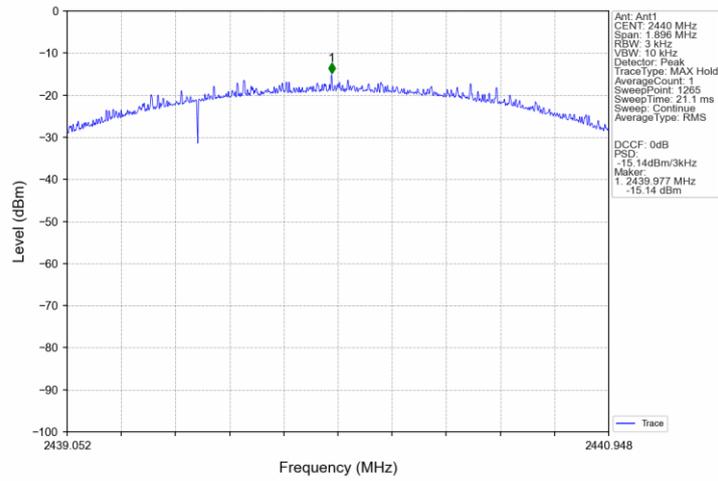
1M_HCH_2480MHz_Ant1_NTNV



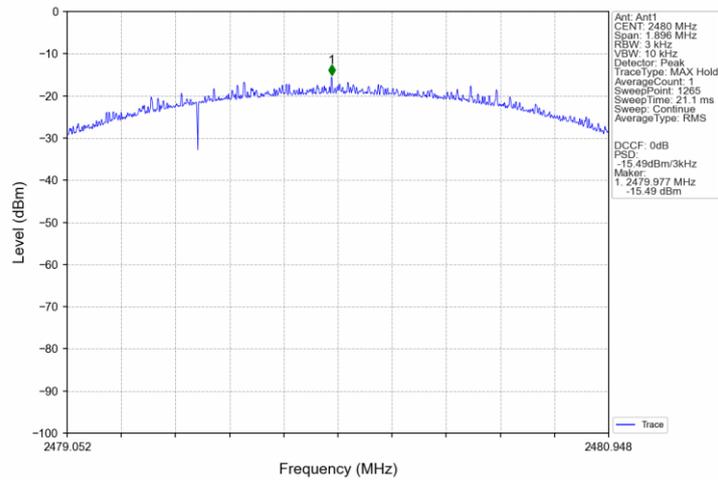
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_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 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:
RBW=100KHz, VBW \geq 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Use the automatic bandwidth measurement capability of an instrument, use the X dB bandwidth mode with X set to 6 dB.
5. Allow the trace to stabilize, record the 6 dB Bandwidth value.

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 \geq 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]

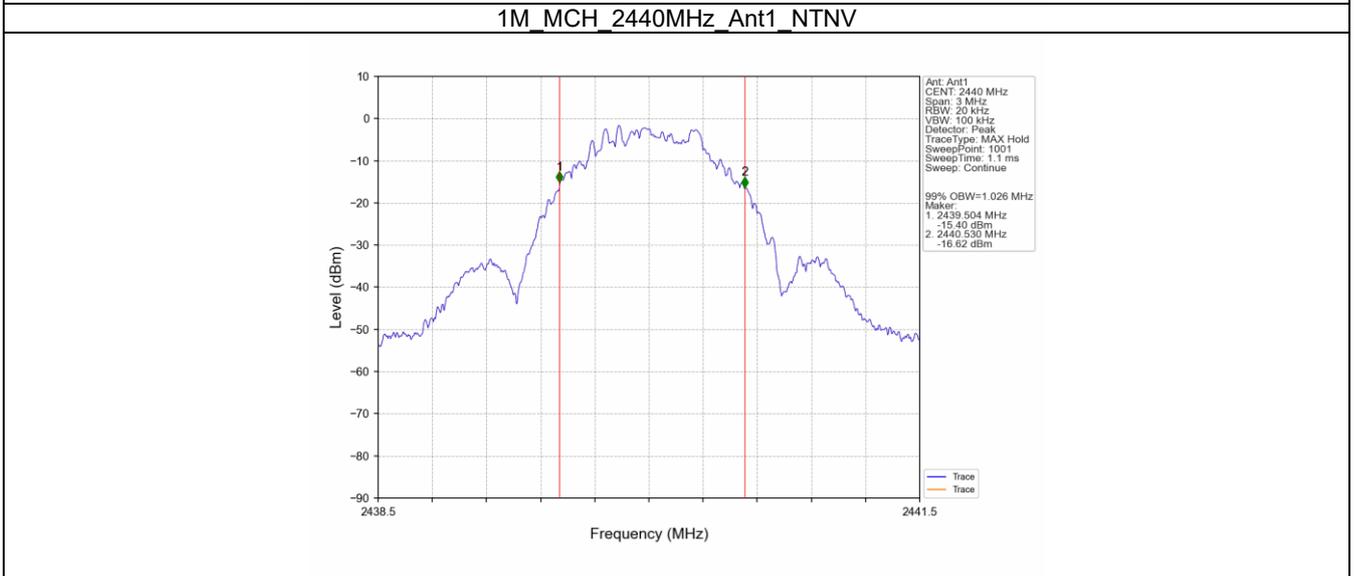
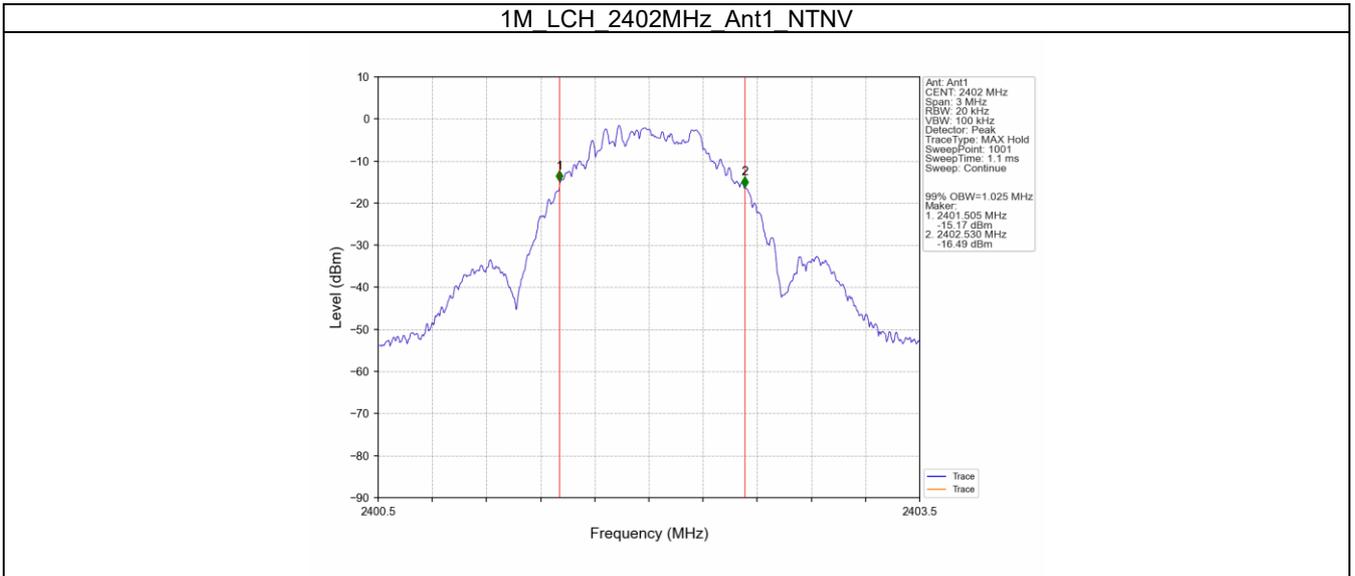


Test result

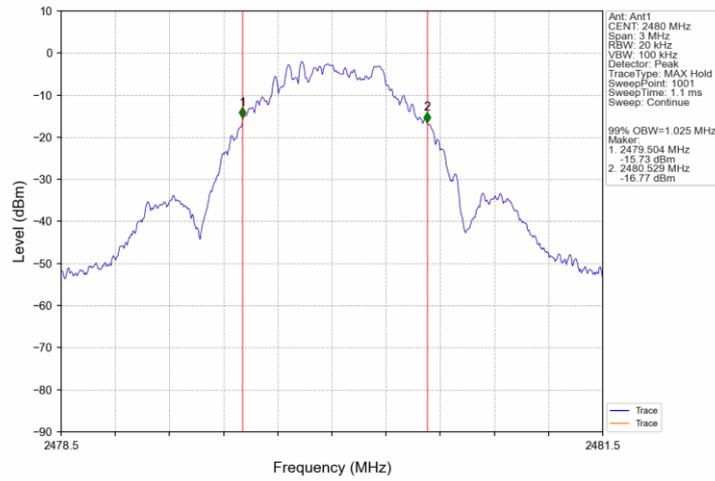
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.025	/	Pass
		2440	1	1.026	/	Pass
		2480	1	1.025	/	Pass
2M	SISO	2402	1	2.087	/	Pass
		2440	1	2.099	/	Pass
		2480	1	2.101	/	Pass

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.671	>=0.5	Pass
		2440	1	0.669	>=0.5	Pass
		2480	1	0.670	>=0.5	Pass
2M	SISO	2402	1	1.265	>=0.5	Pass
		2440	1	1.264	>=0.5	Pass
		2480	1	1.264	>=0.5	Pass

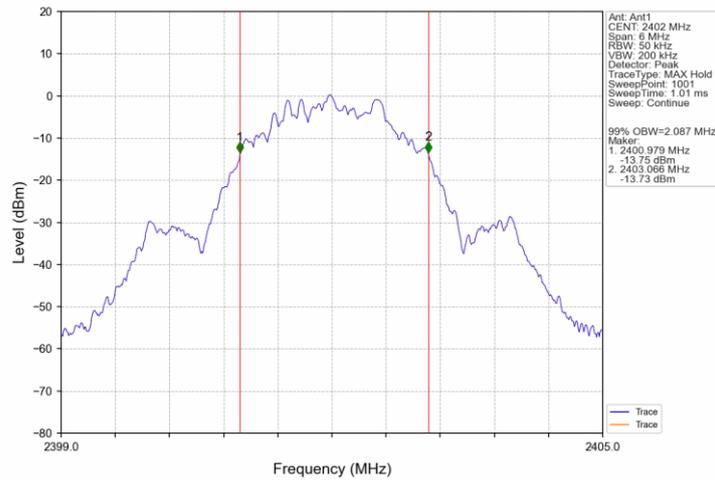
99% Bandwidth



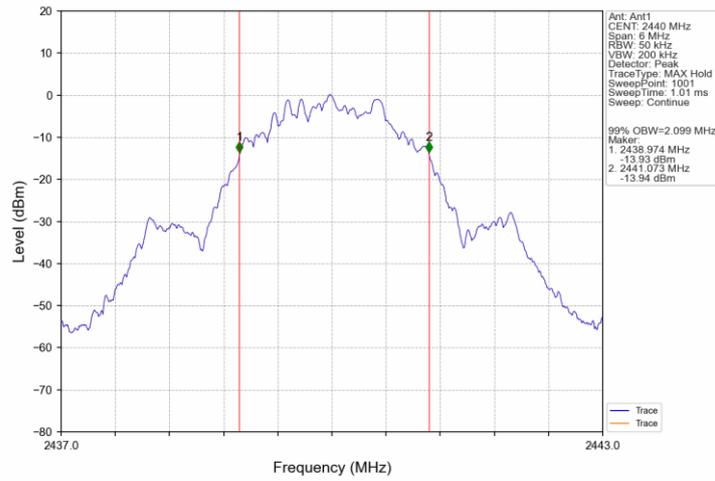
1M_HCH_2480MHz_Ant1_NTNV



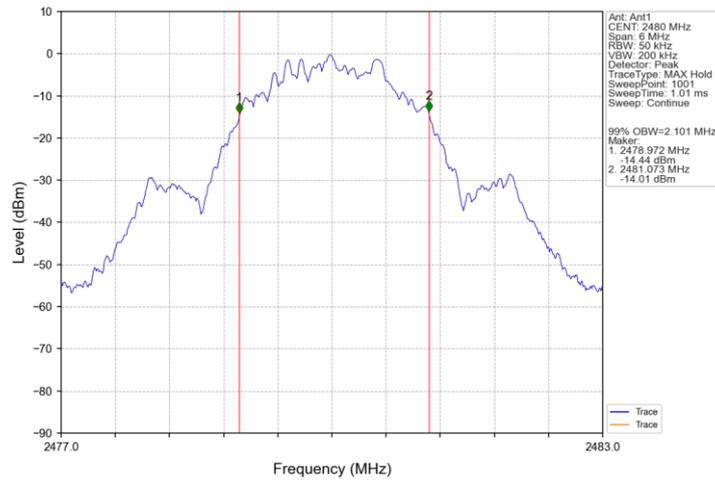
2M_LCH_2402MHz_Ant1_NTNV



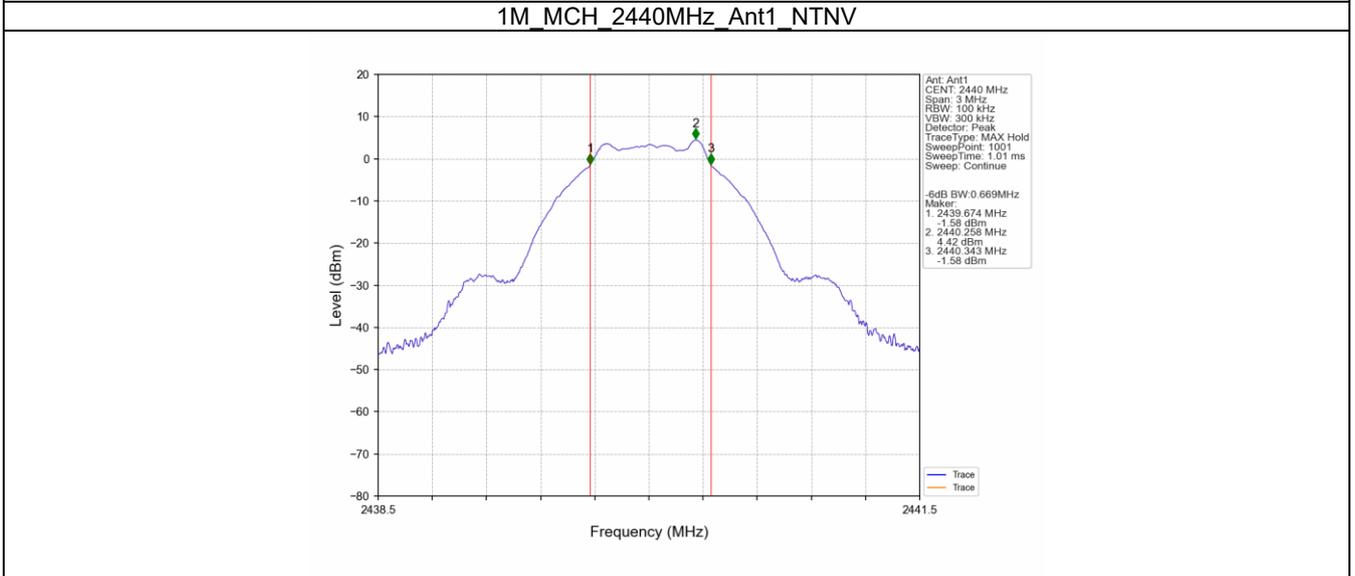
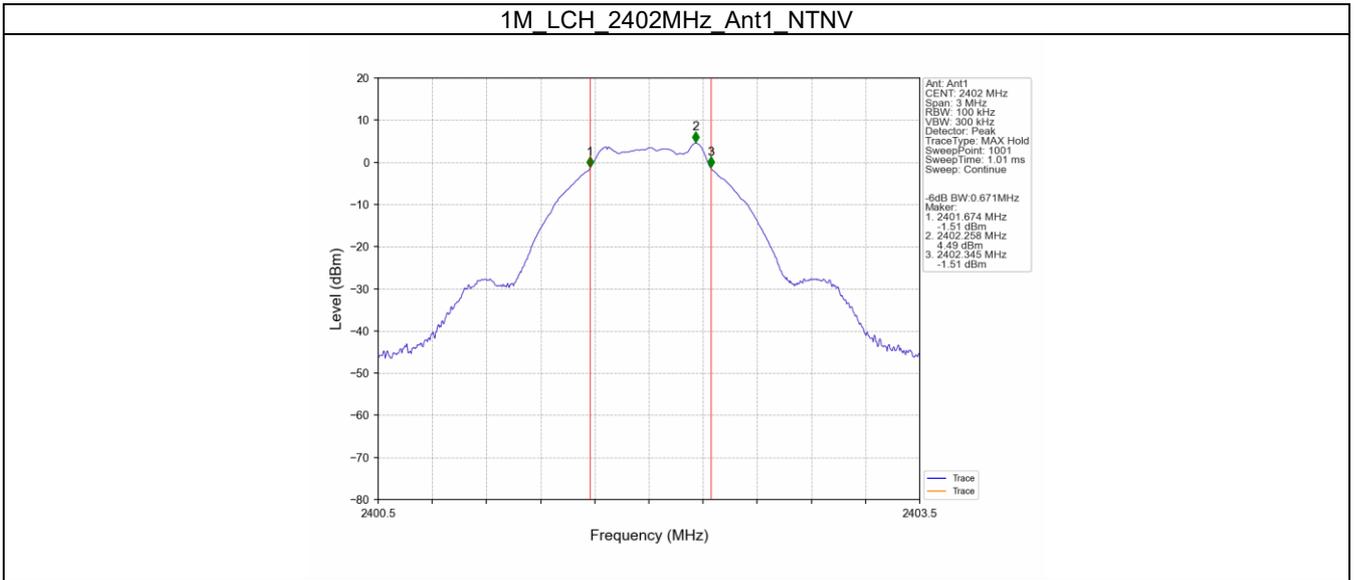
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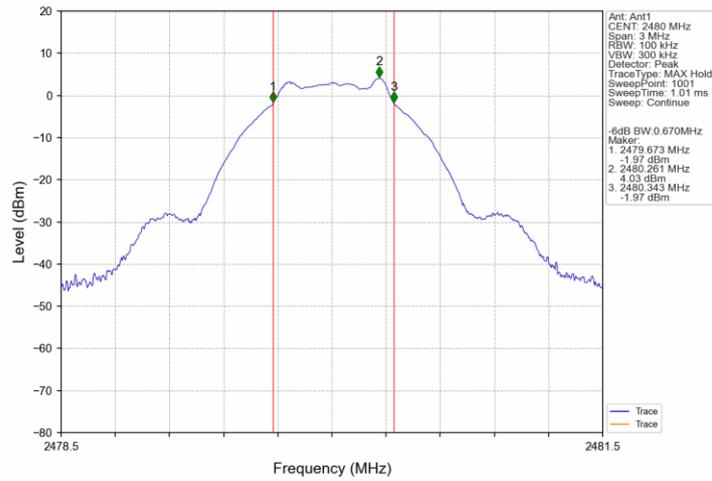
2M_HCH_2480MHz_Ant1_NTNV



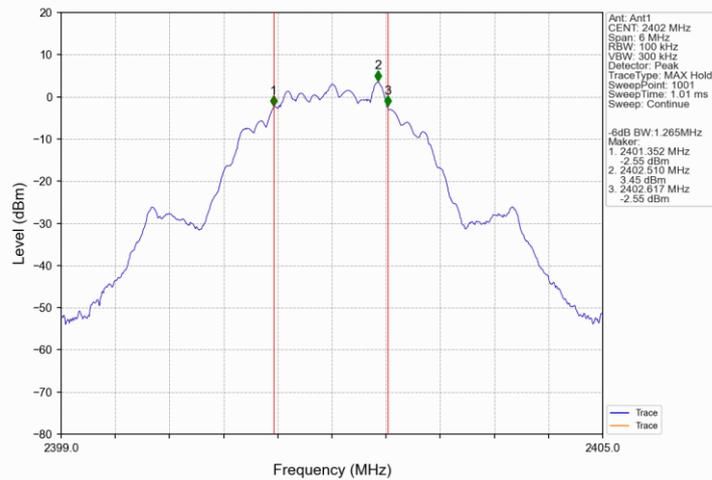
6dB Bandwidth



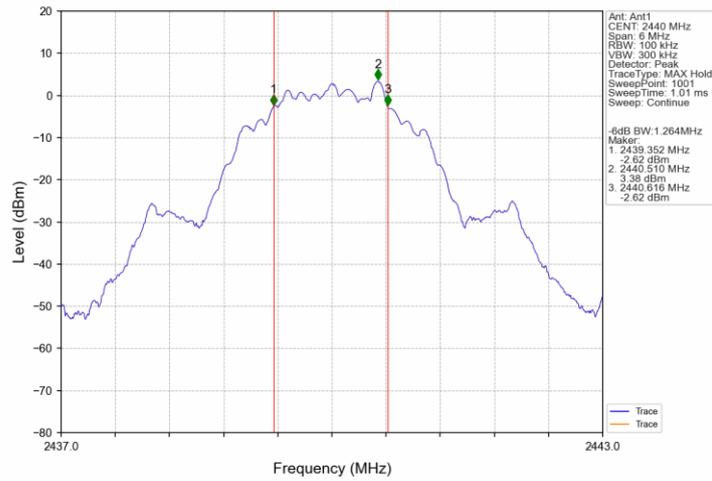
1M_HCH_2480MHz_Ant1_NTNV



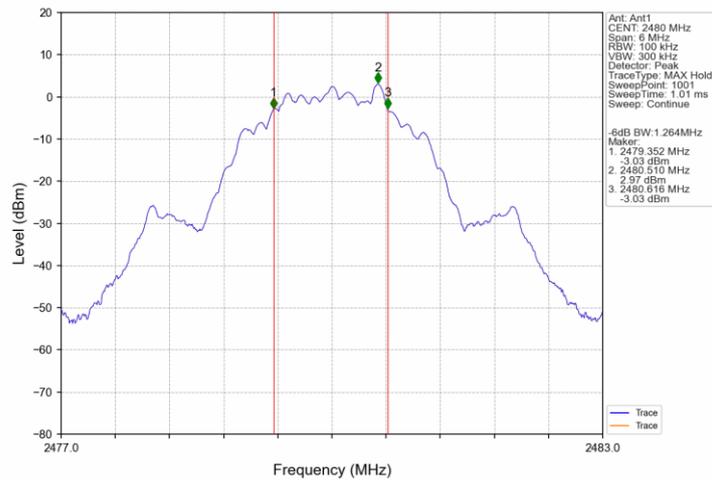
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_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

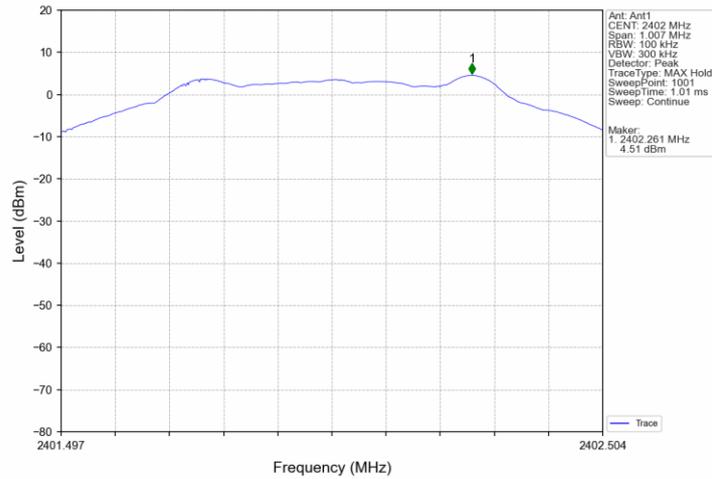


Spurious RF conducted emissions

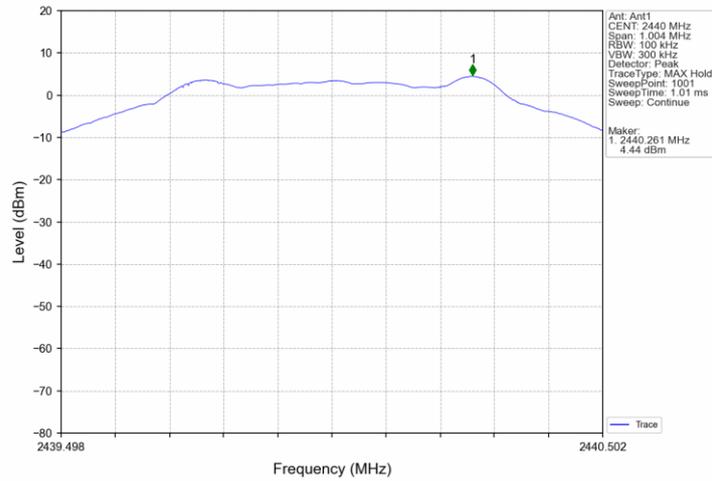
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	4.51	-15.49	Pass
		2440	1	4.44	-15.56	Pass
		2480	1	4.07	-15.93	Pass
2M	SISO	2402	1	3.45	-16.55	Pass
		2440	1	3.38	-16.62	Pass
		2480	1	2.98	-17.02	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

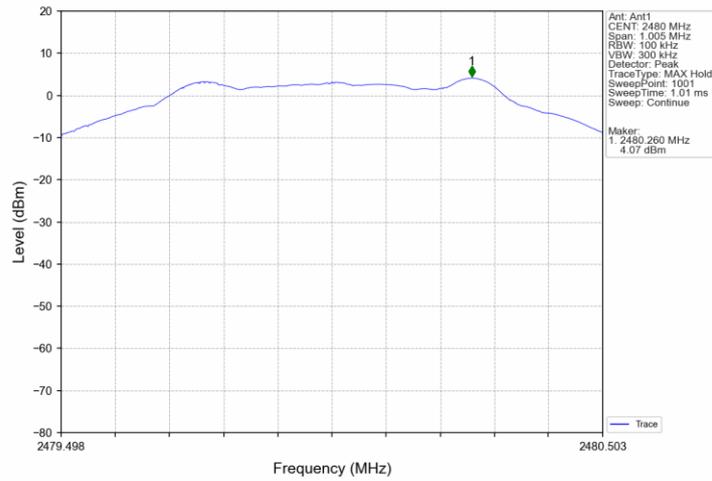
1M_LCH_2402MHz_Ant1_NTNV



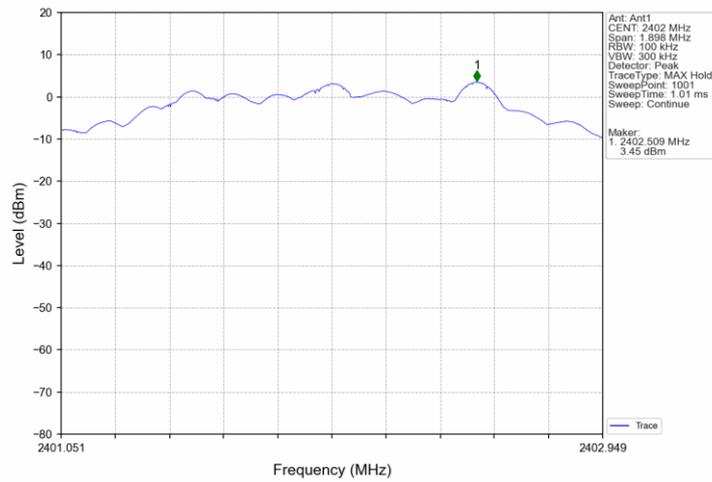
1M_MCH_2440MHz_Ant1_NTNV



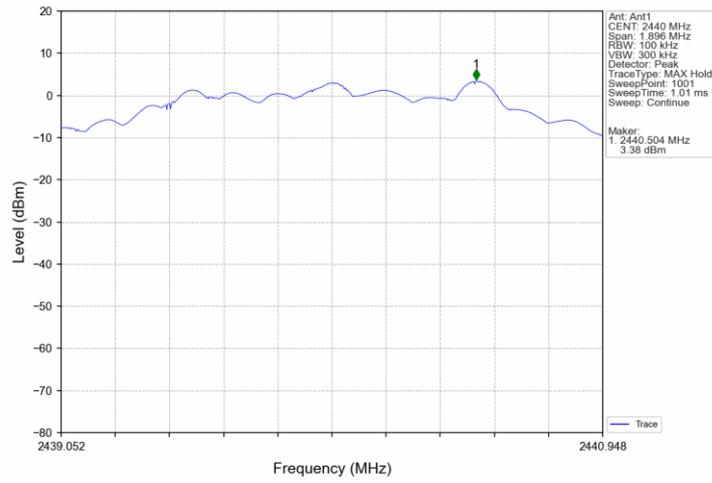
1M_HCH_2480MHz_Ant1_NTNV



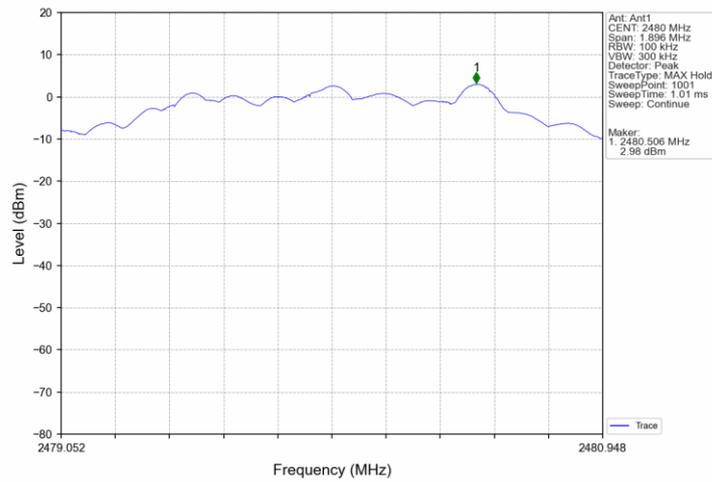
2M_LCH_2402MHz_Ant1_NTNV



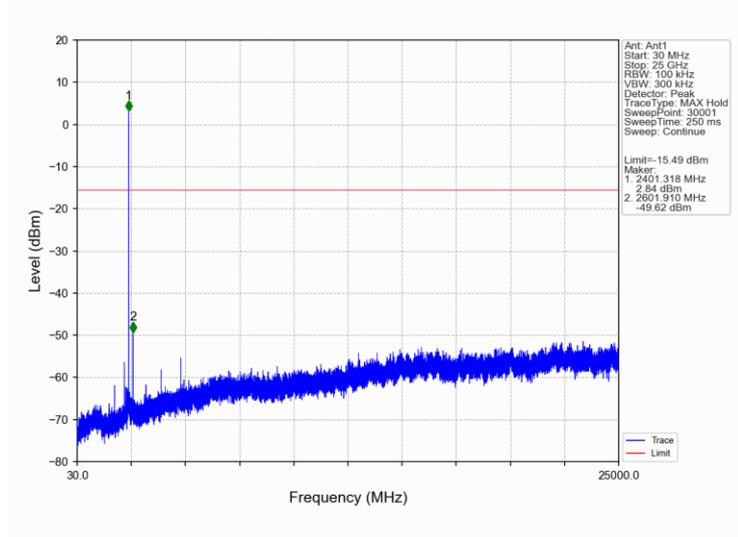
2M_MCH_2440MHz_Ant1_NTNV



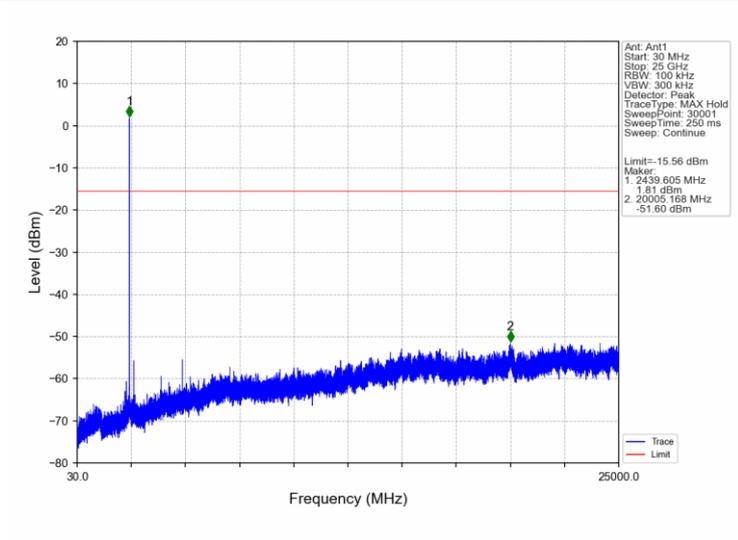
2M_HCH_2480MHz_Ant1_NTNV



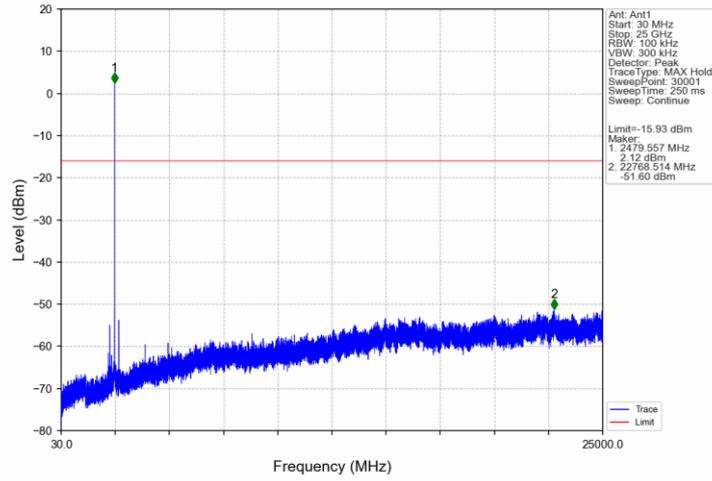
1M_LCH_2402MHz_Ant1_NTNV



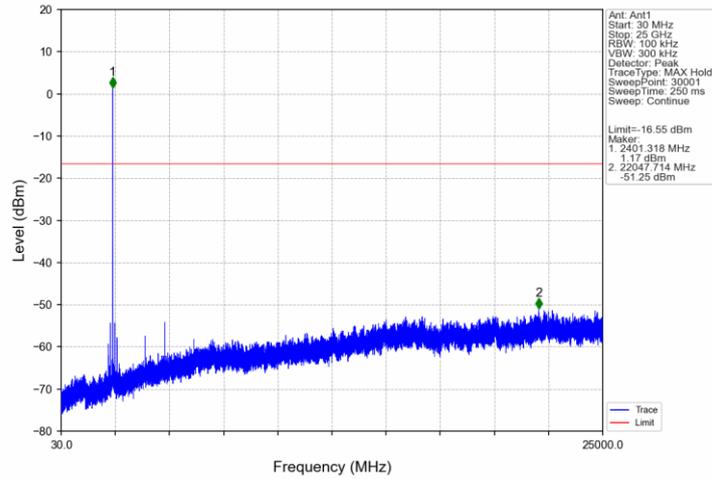
1M_MCH_2440MHz_Ant1_NTNV



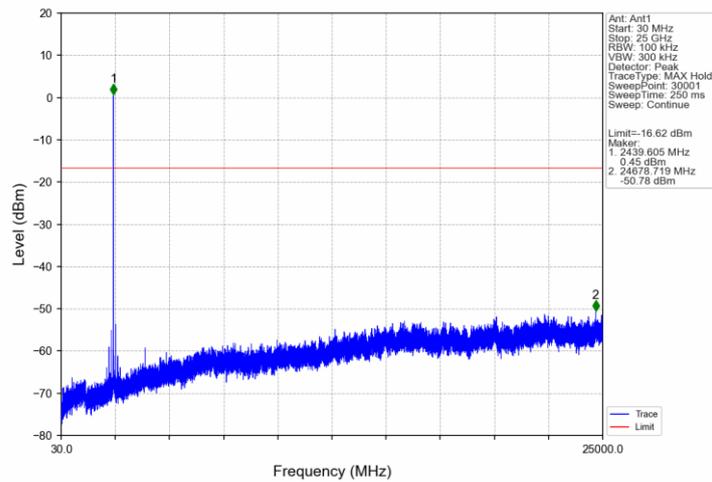
1M_HCH_2480MHz_Ant1_NTNV



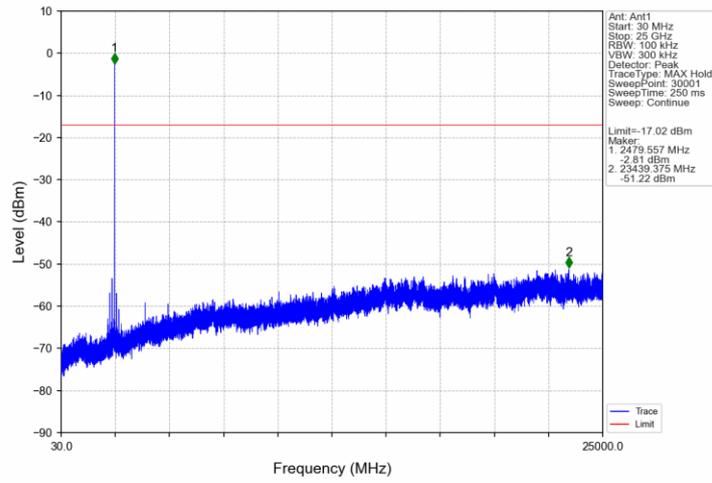
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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

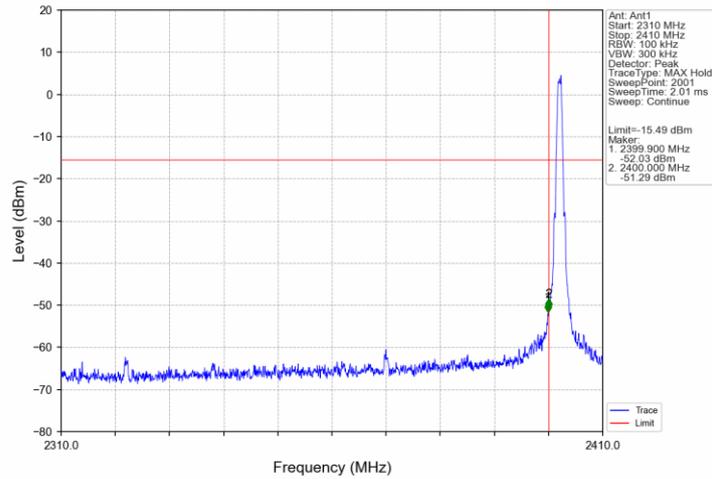
Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	4.51	-15.49	Pass
		2440	1	4.44	-15.56	Pass
		2480	1	4.07	-15.93	Pass
2M	SISO	2402	1	3.45	-16.55	Pass
		2440	1	3.38	-16.62	Pass
		2480	1	2.98	-17.02	Pass

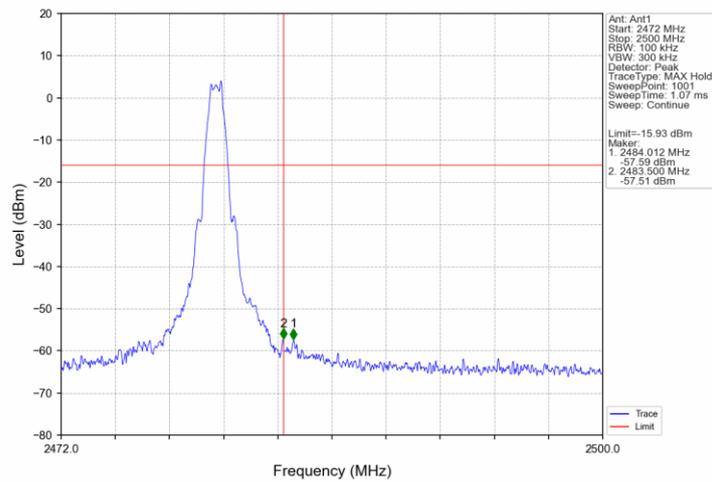
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Band edge testing

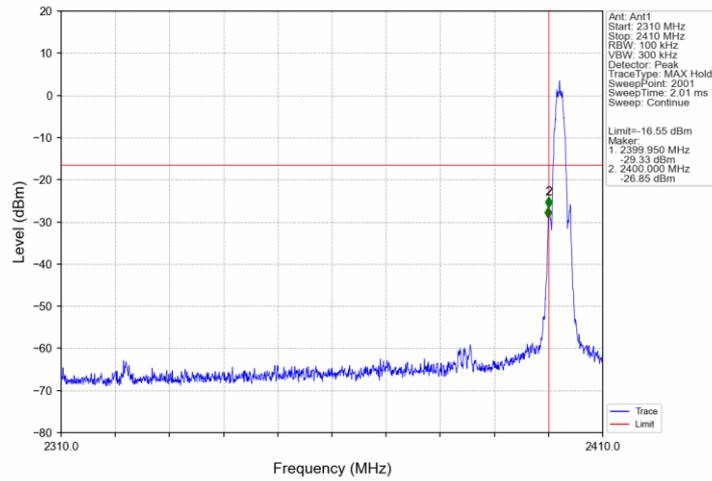
1M_LCH_2402MHz_Ant1_NTNV



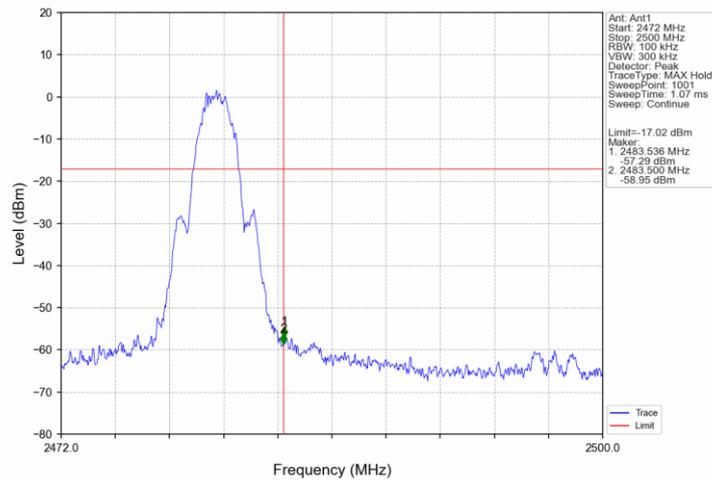
1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



2M_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:

9kHz -150kHz:

RBW = 200Hz, VBW = 500Hz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

150kHz - 30MHz:

RBW = 10 kHz, VBW = 30 kHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

30MHz-1GHz:

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 [span / (# of points in sweep)] \ 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.

RSS-Gen section 8.9 General field strength limits at frequencies below 30 MHz:

Frequency MHz	Magnetic field strength (H-Field) (µA/m)	Measurement distance
	µV/m	meters
0.009-0.490	6.37/F (F in kHz)	300
0.490-1.705	63.7/F (F in kHz)	30
1.705-30	0.08	30

When the limit is in terms of magnetic field, the following equation applies:
 $H[dB(\mu A/m)] = V[dB(\mu V)] + Lc [dB] - GPA [dB] + AFE [dB(m-1)] - 51.5 [dB\Omega]$

When the limit is in terms of electric field, the following equation applies:
 $E[dB(\mu V/m)] = V[dB(\mu V)] + Lc [dB] - GPA [dB] + AFE [dB(m-1)]$

The magnetic field limit is converted to the electric field limit by the equation:
 $Elimit[dB(\mu V/m)] = Hlimit [dB(\mu A/m)] + 51.5 [dB\Omega]$

where

H is the magnetic field strength (to be compared with the limit),

V is the voltage level measured by the receiver or spectrum analyzer.

Lc is the cable loss.

GPA is the gain of the preamplifier (if used), and AFH is the magnetic antenna factor.

FCC&ISED Limit:

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)

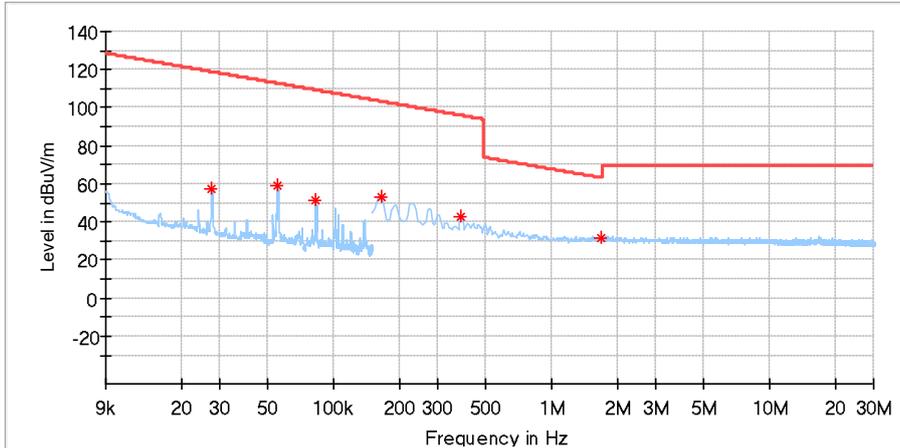
According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Spurious radiated emissions for transmitter

Only the worst case (BLE_2Mbps) test result is listed in the report.

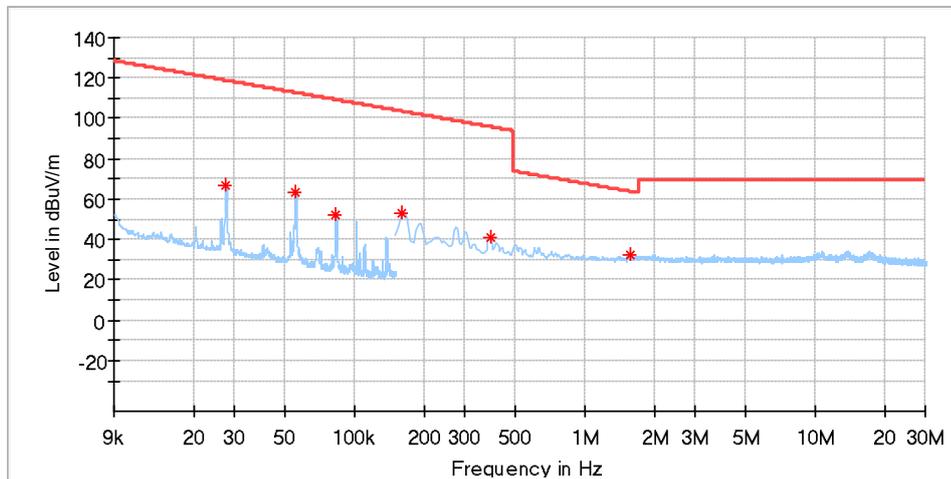
Transmitting spurious emission test result as below:

BLE_2Mbps_2402_(9kHz-30MHz)



Critical_Freqs

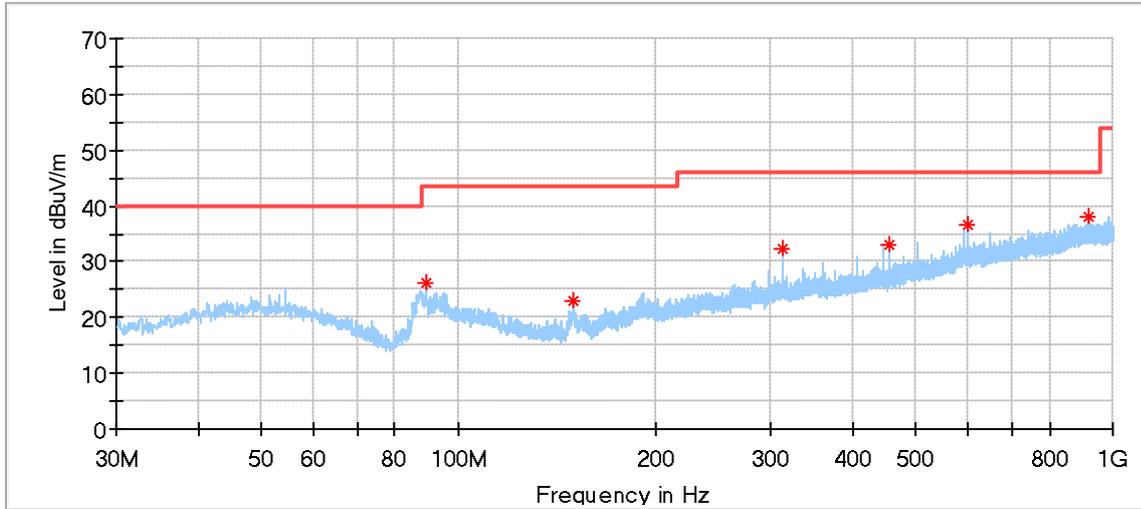
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.027518	57.70	118.80	61.09	H	333.0	19.88
0.054966	59.01	112.79	53.78	H	69.0	19.92
0.082508	50.96	109.27	58.31	H	42.0	19.92
0.164925	53.44	103.25	49.81	H	44.0	19.89
0.383825	43.13	95.92	52.79	H	103.0	19.90
1.682300	31.74	63.12	31.38	H	162.0	20.02



Critical_Freqs

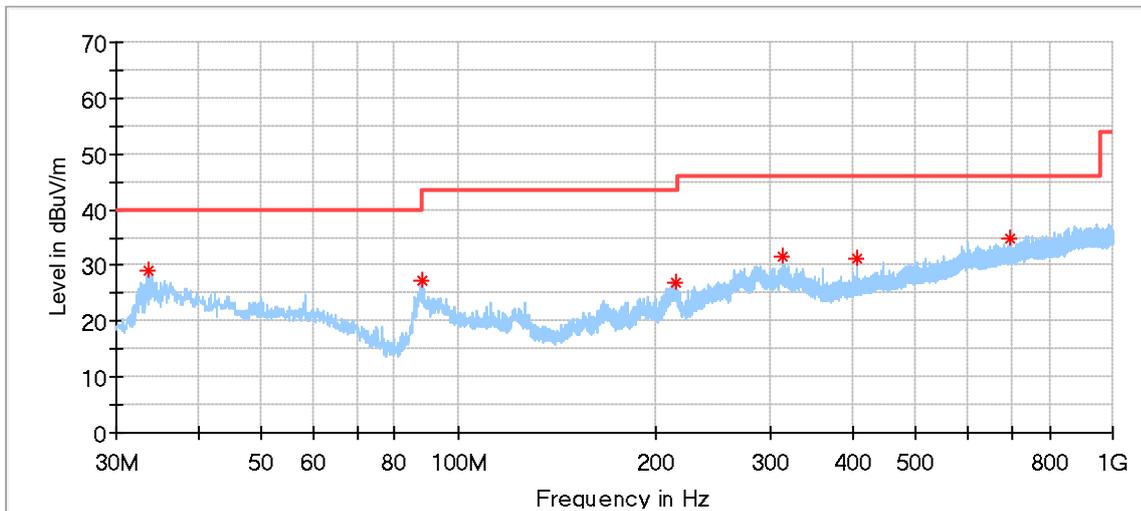
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.027471	66.94	118.81	51.88	V	3.0	19.88
0.055013	63.20	112.78	49.58	V	132.0	19.92
0.082508	52.47	109.27	56.79	V	288.0	19.92
0.159950	52.75	103.52	50.77	V	346.0	19.90
0.388800	41.08	95.81	54.73	V	272.0	19.90
1.562900	32.25	63.75	31.51	V	5.0	20.00

BLE_2Mbps_2402_(30MHz-1GHz)



Critical Freqs

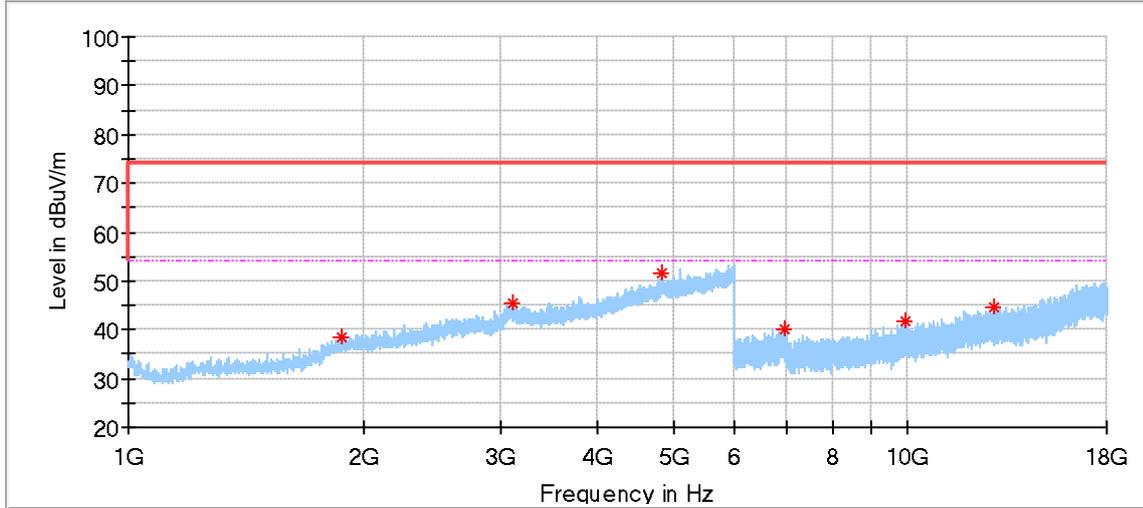
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
89.062222	26.28	43.50	17.22	200.0	H	336.0	13.77
149.956667	22.83	43.50	20.67	200.0	H	200.0	12.57
312.000556	32.27	46.00	13.73	200.0	H	216.0	18.84
455.991667	33.17	46.00	12.83	200.0	H	200.0	21.86
599.982778	36.62	46.00	9.38	200.0	H	223.0	25.24
921.699444	37.92	46.00	8.08	200.0	H	11.0	29.09



Critical Freqs

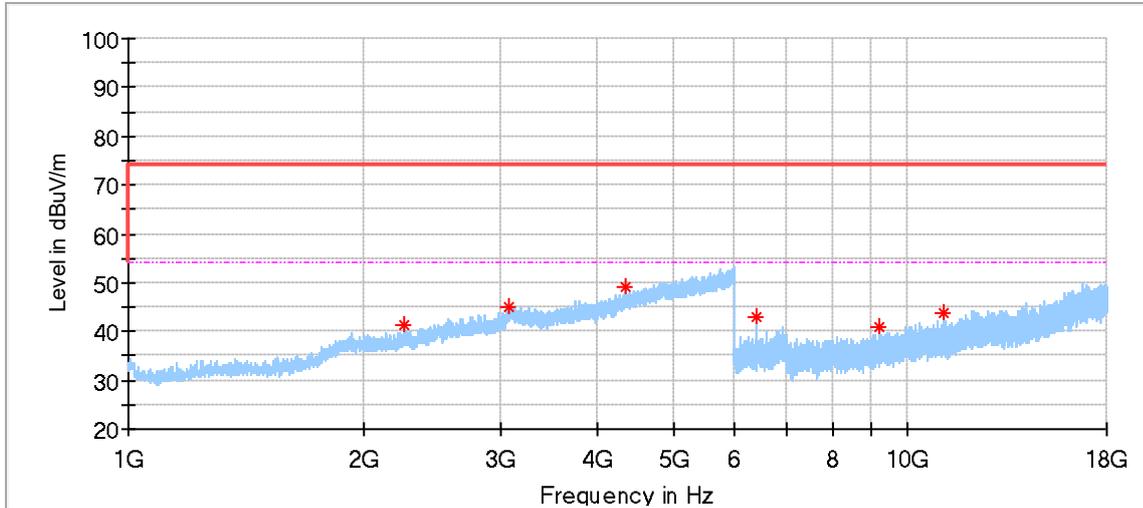
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.664444	29.10	40.00	10.90	100.0	V	150.0	14.16
87.822778	27.22	40.00	12.78	100.0	V	221.0	13.36
214.300000	27.01	43.50	16.49	100.0	V	4.0	15.95
312.000556	31.48	46.00	14.52	100.0	V	308.0	18.84
407.976667	31.36	46.00	14.64	100.0	V	237.0	21.37
697.791111	34.99	46.00	11.01	100.0	V	16.0	25.97

BLE_2Mbps_2402_(1GHz -18GHz)



Critical Freqs

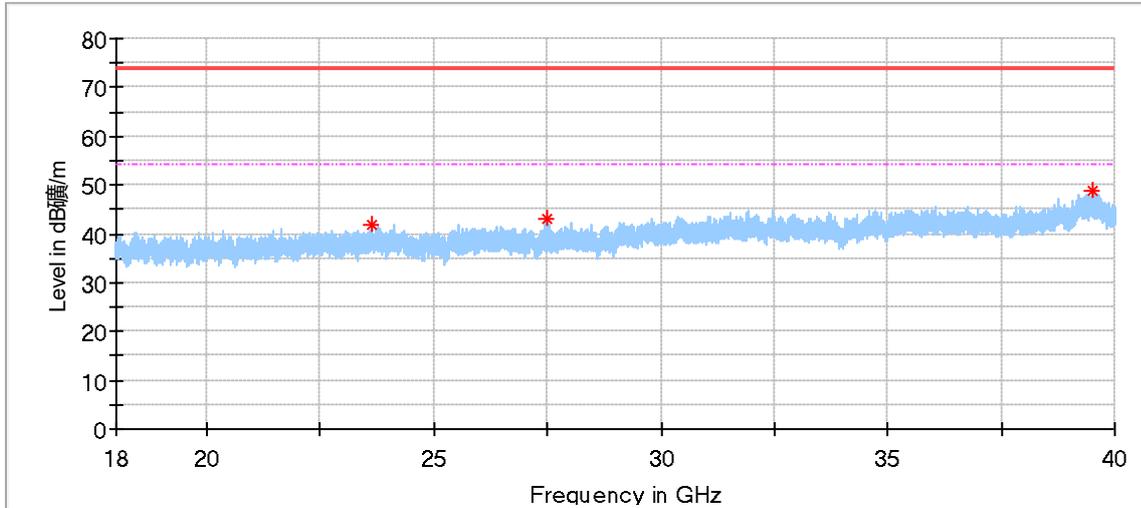
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1881.000000	38.36	74.00	35.64	150.0	H	70.0	-3.45
3114.500000	45.30	74.00	28.70	150.0	H	225.0	1.95
4832.000000	51.52	74.00	22.48	150.0	H	153.0	5.12
6954.000000	40.12	74.00	33.88	150.0	H	31.0	9.56
9941.500000	41.73	74.00	32.27	150.0	H	56.0	13.03
12879.500000	44.74	74.00	29.26	150.0	H	154.0	16.59



Critical Freqs

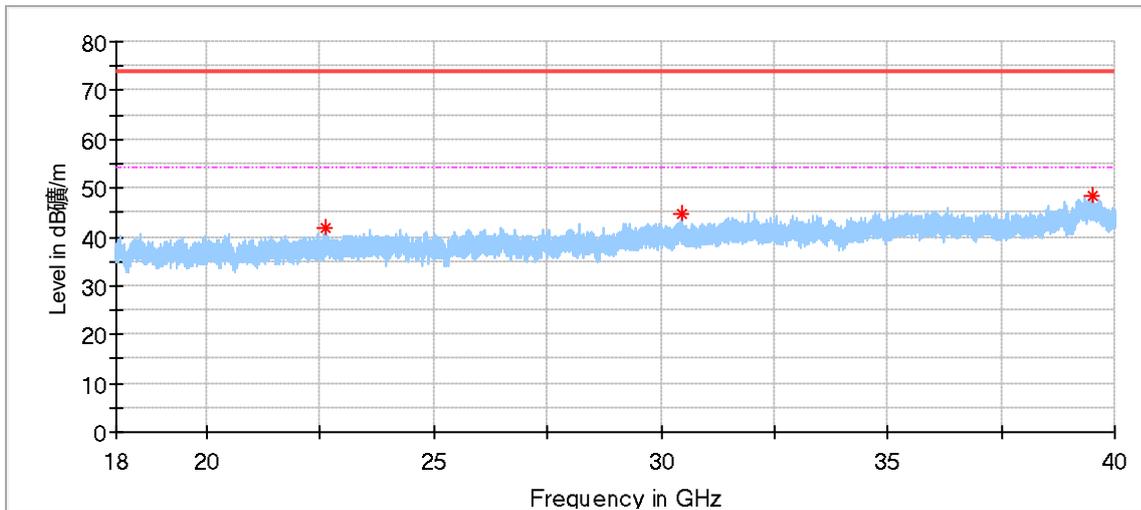
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2264.000000	41.47	74.00	32.53	150.0	V	81.0	-2.60
3085.000000	44.98	74.00	29.02	150.0	V	81.0	1.74
4352.500000	48.94	74.00	25.06	150.0	V	297.0	3.70
6384.500000	43.02	74.00	30.98	150.0	V	303.0	8.58
9215.500000	41.00	74.00	33.00	150.0	V	303.0	12.06
11139.000000	43.64	74.00	30.36	150.0	V	328.0	14.60

BLE_2Mbps_2402_(18GHz -40GHz)



Critical Freqs

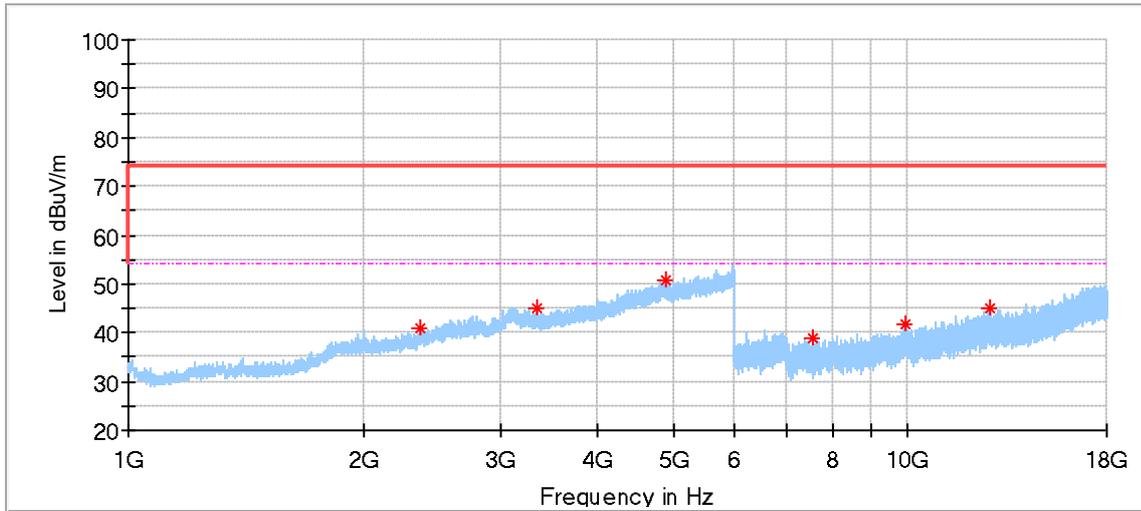
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23647.812500	42.01	74.00	31.99	150.0	H	98.0	-0.31
27490.937500	43.25	74.00	30.75	150.0	H	4.0	1.16
39516.687500	48.74	74.00	25.26	150.0	H	138.0	6.10



Critical Freqs

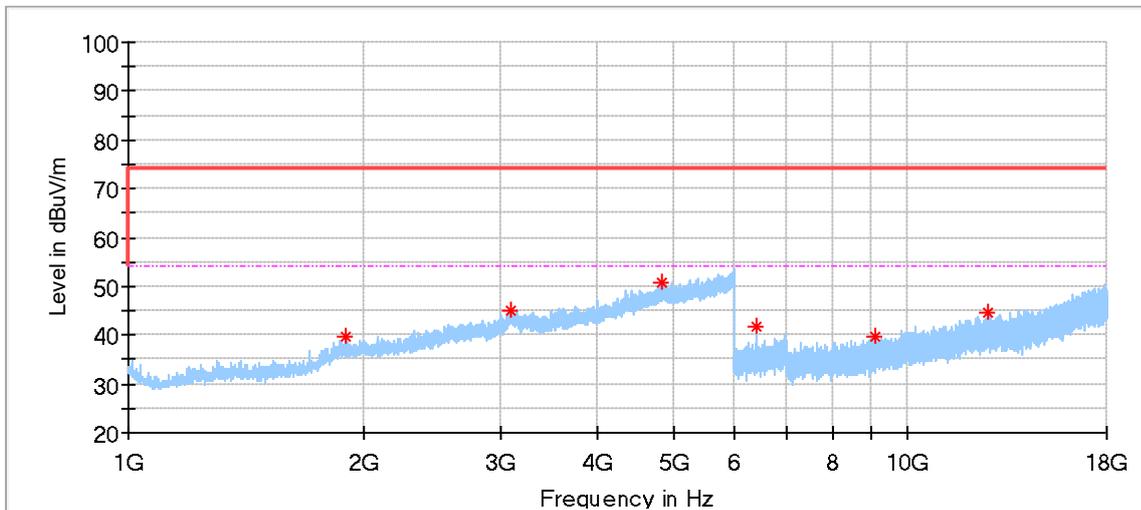
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
22624.125000	41.70	74.00	32.30	150.0	V	168.0	-0.80
30449.937500	44.61	74.00	29.39	150.0	V	248.0	0.98
39501.562500	48.54	74.00	25.46	150.0	V	302.0	6.16

BLE_2Mbps_2440_(1GHz -18GHz)



Critical Freqs

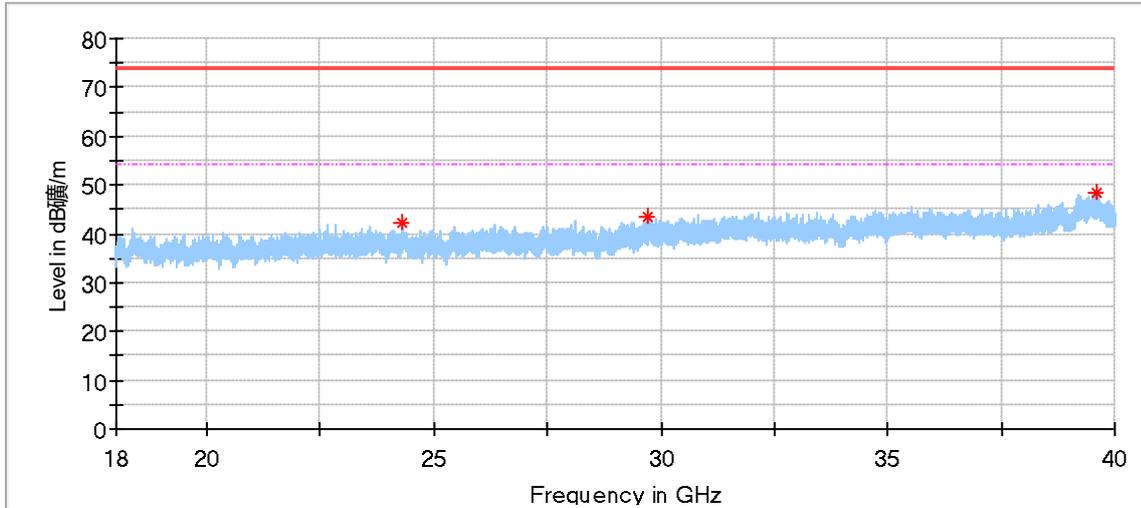
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2370.000000	40.92	74.00	33.08	150.0	H	173.0	-2.07
3351.000000	45.19	74.00	28.81	150.0	H	197.0	0.42
4888.000000	50.68	74.00	23.32	150.0	H	29.0	5.18
7561.000000	38.87	74.00	35.13	150.0	H	130.0	9.65
9910.500000	41.66	74.00	32.34	150.0	H	179.0	13.02
12743.000000	45.21	74.00	28.79	150.0	H	56.0	16.57



Critical Freqs

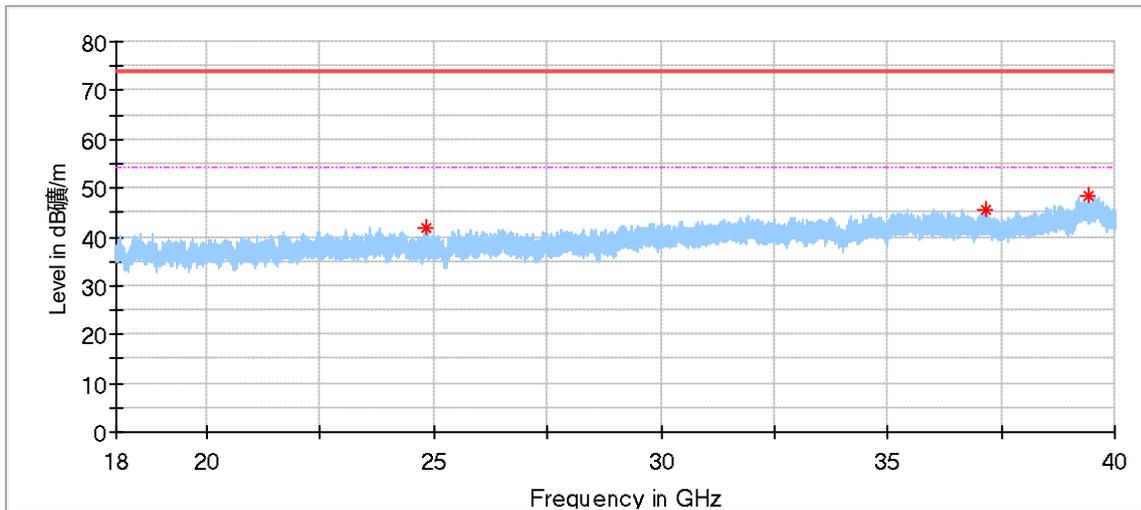
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1900.500000	39.74	74.00	34.26	150.0	V	220.0	-3.34
3090.000000	45.19	74.00	28.81	150.0	V	148.0	1.92
4831.500000	50.71	74.00	23.29	150.0	V	269.0	5.12
6391.000000	41.81	74.00	32.19	150.0	V	206.0	8.59
9060.000000	39.87	74.00	34.13	150.0	V	328.0	11.79
12703.500000	44.50	74.00	29.50	150.0	V	4.0	16.54

BLE_2Mbps_2440_(18GHz -40GHz)



Critical Freqs

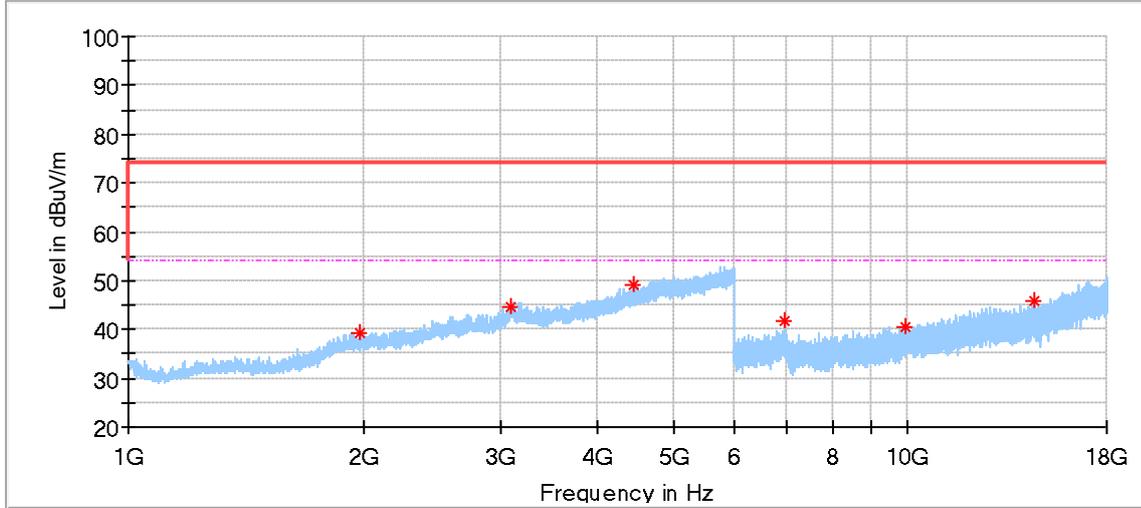
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
24290.625000	42.25	74.00	31.75	150.0	H	0.0	-0.16
29728.750000	43.32	74.00	30.68	150.0	H	207.0	0.73
39581.312500	48.37	74.00	25.63	150.0	H	356.0	5.82



Critical Freqs

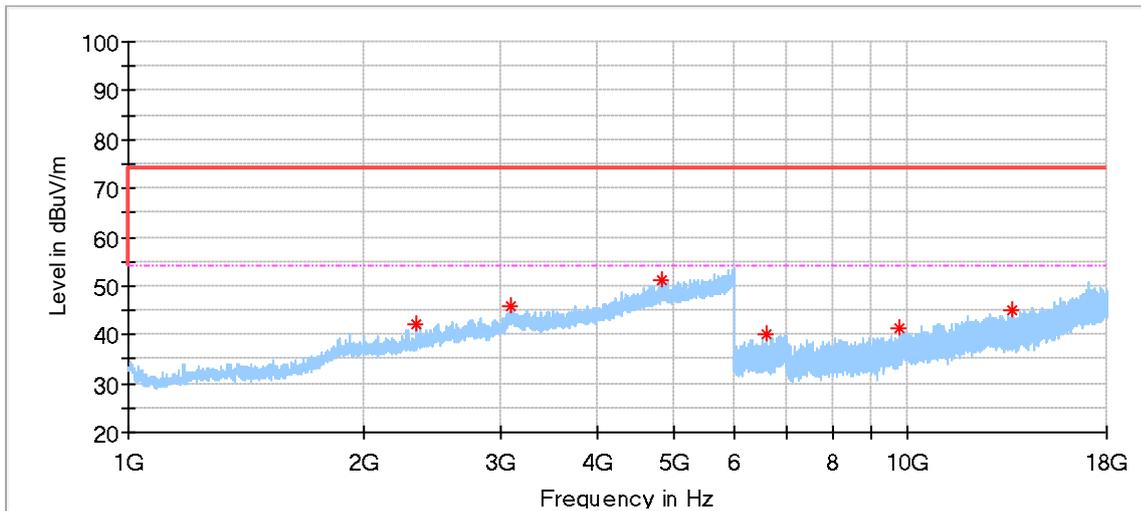
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
24815.187500	41.88	74.00	32.12	150.0	V	196.0	-0.28
37168.187500	45.64	74.00	28.36	150.0	V	303.0	2.39
39439.687500	48.40	74.00	25.60	150.0	V	303.0	5.82

BLE_2Mbps_2480_(1GHz -18GHz)



Critical Freqs

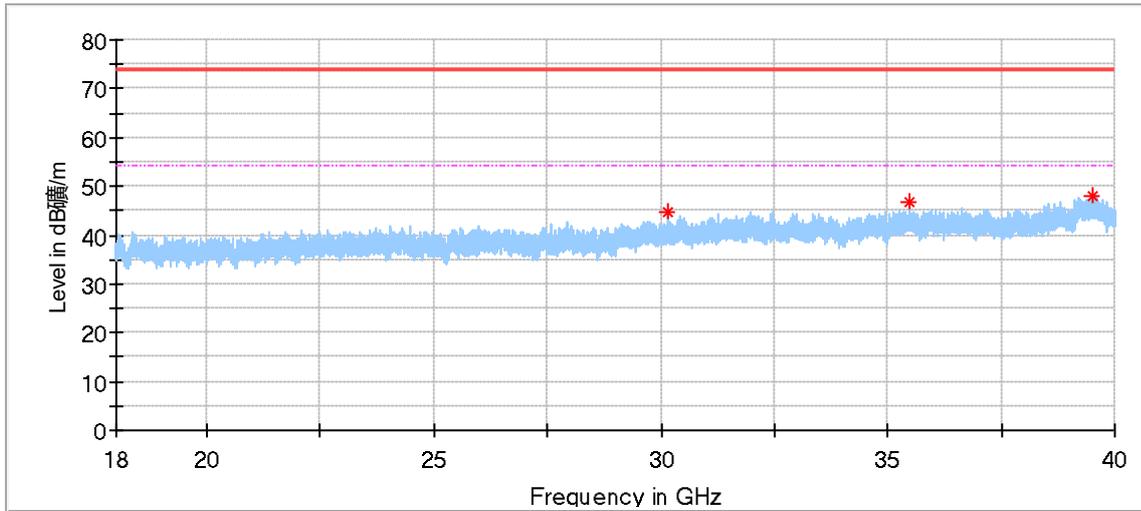
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1982.500000	39.30	74.00	34.70	150.0	H	67.0	-3.12
3098.500000	44.82	74.00	29.18	150.0	H	298.0	2.23
4436.500000	49.32	74.00	24.69	150.0	H	274.0	3.96
6936.000000	41.68	74.00	32.32	150.0	H	154.0	9.53
9929.500000	40.67	74.00	33.33	150.0	H	0.0	13.03
14537.500000	45.67	74.00	28.33	150.0	H	252.0	17.92



Critical Freqs

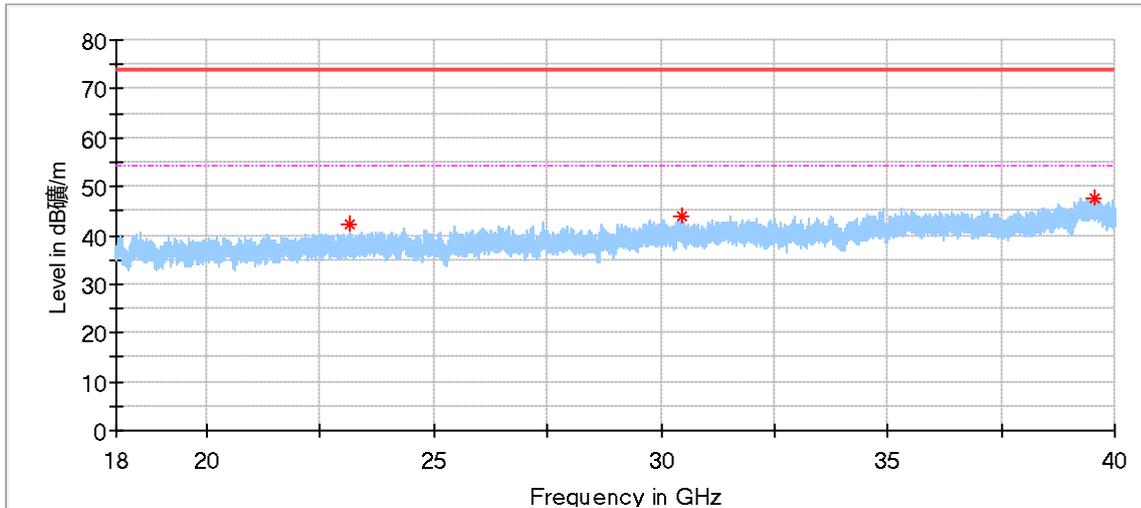
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2346.500000	42.17	74.00	31.83	150.0	V	262.0	-2.17
3102.500000	45.78	74.00	28.22	150.0	V	0.0	2.22
4837.500000	51.19	74.00	22.81	150.0	V	91.0	5.14
6593.500000	40.04	74.00	33.96	150.0	V	0.0	8.52
9771.000000	41.51	74.00	32.49	150.0	V	4.0	12.83
13647.500000	45.10	74.00	28.90	150.0	V	252.0	16.20

BLE_2Mbps_2480_(18GHz -40GHz)



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30170.125000	44.75	74.00	29.25	150.0	H	73.0	0.83
35483.812500	46.83	74.00	27.17	150.0	H	289.0	3.06
39533.875000	48.06	74.00	25.94	150.0	H	276.0	6.02

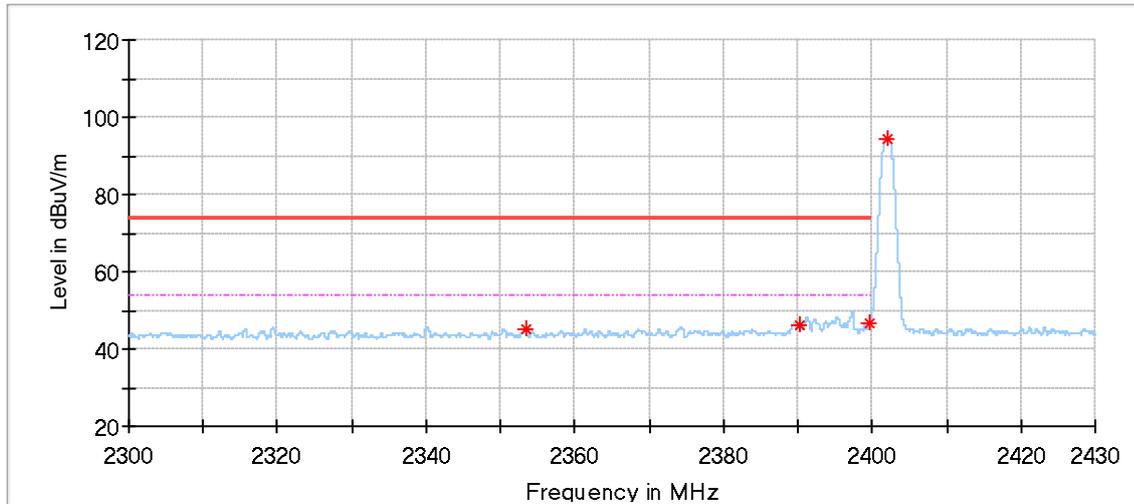


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23130.125000	42.14	74.00	31.86	150.0	V	140.0	-0.60
30446.500000	43.77	74.00	30.24	150.0	V	100.0	0.98
39536.625000	47.72	74.00	26.28	150.0	V	60.0	6.01

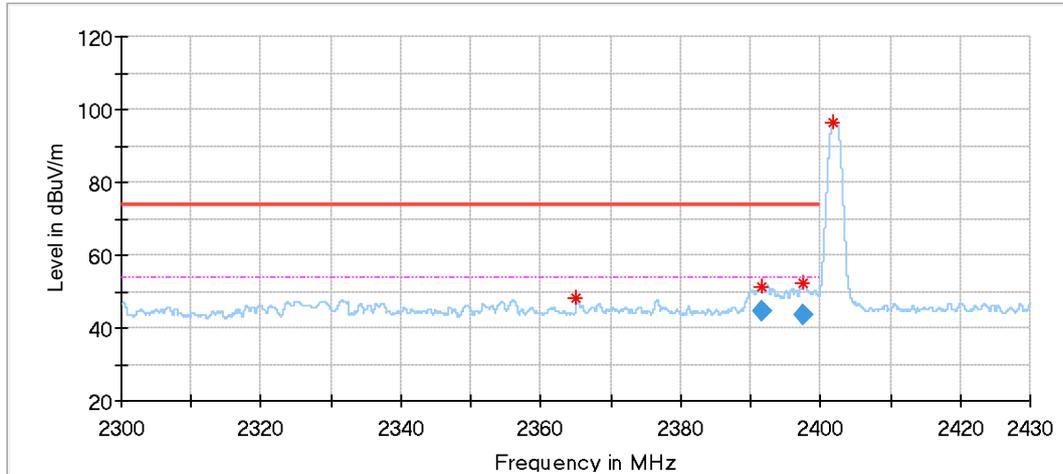
Restricted-band band-edge

BLE_1Mbps_2402



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
2353.469000	45.14	74.00	28.86	150.0	H	269.0	-2.43	Spurious
2390.220000	46.30	74.00	27.70	150.0	H	259.0	-1.92	Spurious
2399.515000	46.69	74.00	27.31	150.0	H	100.0	-1.77	Spurious
2402.115000	94.25	---	---	150.0	H	216.0	-1.73	Fundamental Frequency



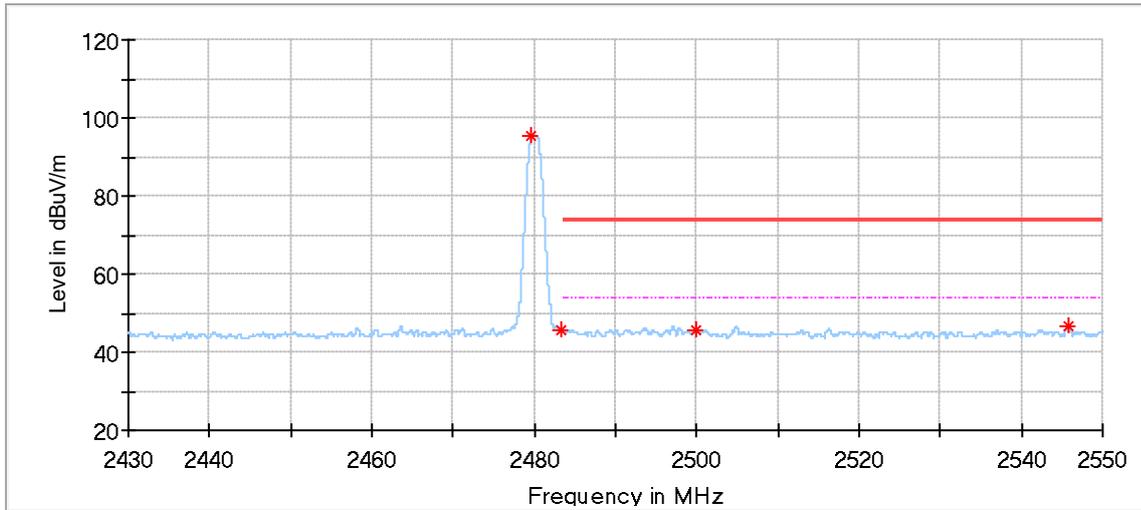
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2365.117000	48.37	74.00	25.63	150.0	V	260.0	-2.28
2391.494000	51.46	74.00	22.54	150.0	V	302.0	-1.89
2397.513000	52.36	74.00	21.64	150.0	V	302.0	-1.80
2401.855000	96.53	---	---	150.0	V	281.0	-1.73

Final Result

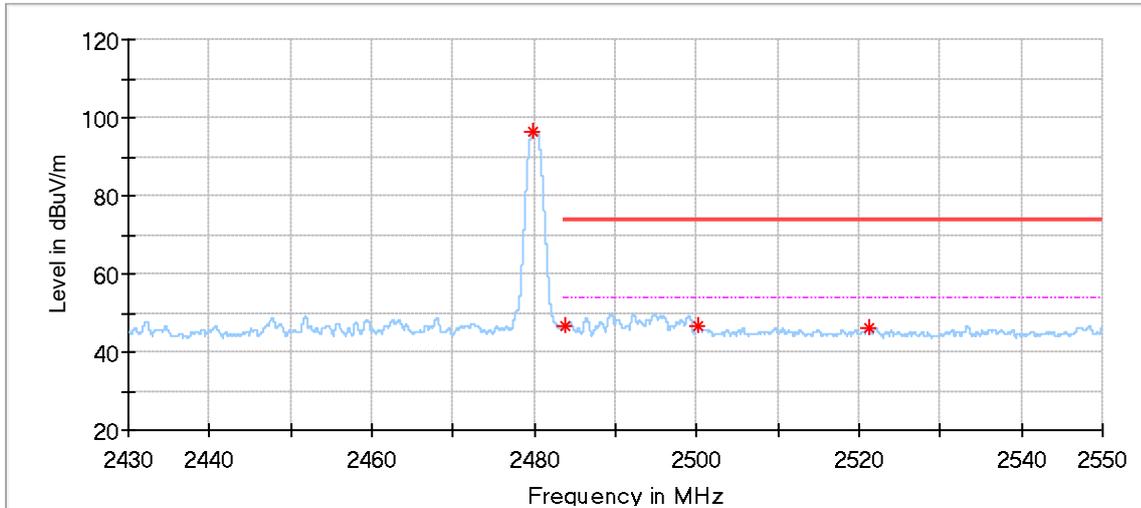
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2391.494000	44.82	54.00	9.18	150.0	V	302.0	-1.89
2397.513000	43.37	54.00	10.63	150.0	V	302.0	-1.80

BLE_1Mbps_2480



Critical Freqs

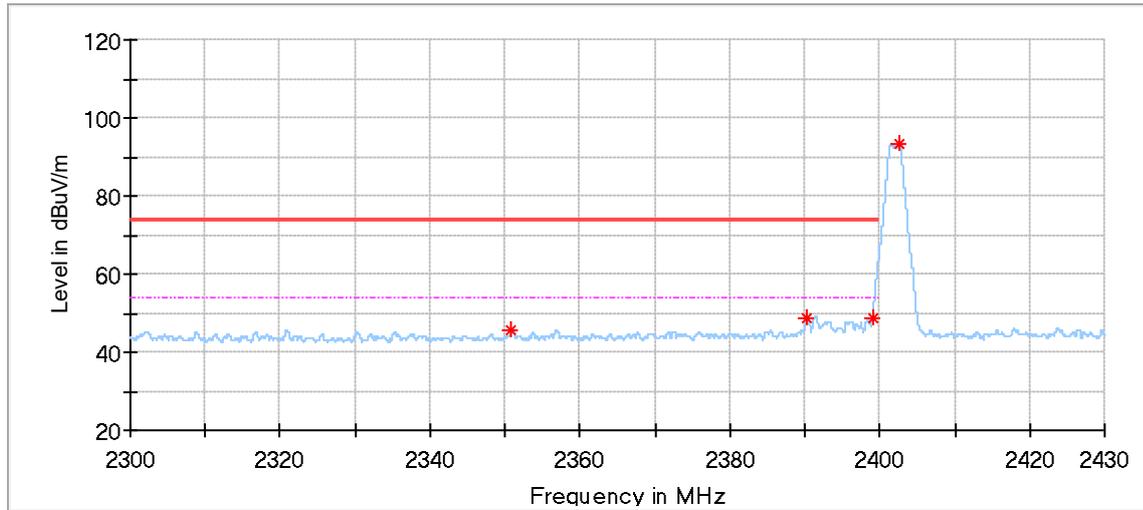
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
2479.704000	95.51	---	---	150.0	H	210.0	-1.44	Fundamental Frequency
2499.960000	45.47	74.00	28.53	150.0	H	284.0	-1.48	Spurious
2545.728000	46.67	74.00	27.33	150.0	H	168.0	-1.04	Spurious



Critical Freqs

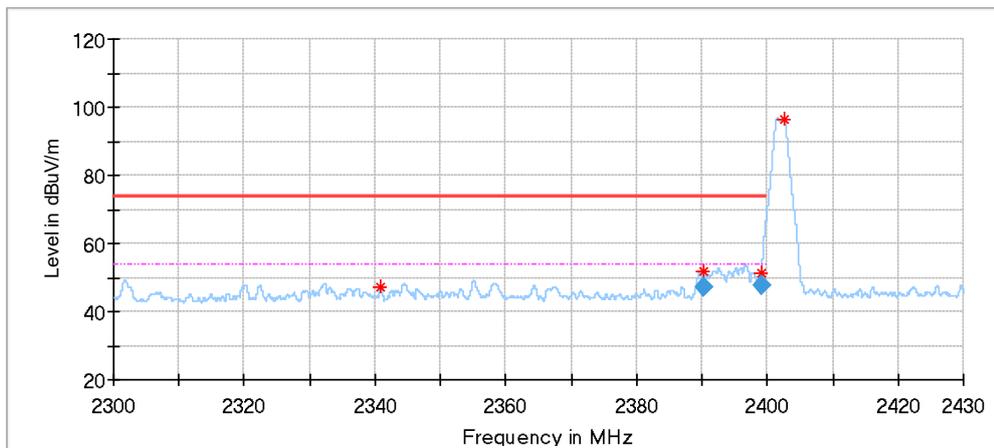
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
2479.944000	96.43	---	---	150.0	V	310.0	-1.44	Fundamental Frequency
2483.796000	46.81	74.00	27.19	150.0	V	310.0	-1.45	Spurious
2500.068000	46.76	74.00	27.24	150.0	V	247.0	-1.48	Spurious
2521.260000	46.38	74.00	27.62	150.0	V	257.0	-1.42	Spurious

BLE_2Mbps_2402



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)	Remark
2350.856000	45.78	74.00	28.22	150.0	H	214.0	-2.43	---	Spurious
2390.272000	48.58	74.00	25.42	150.0	H	330.0	-1.91	---	Spurious
2399.034000	48.84	74.00	25.16	150.0	H	298.0	-1.77	---	Spurious
2402.505000	93.47	---	---	150.0	H	214.0	-1.72	---	Fundamental Frequency



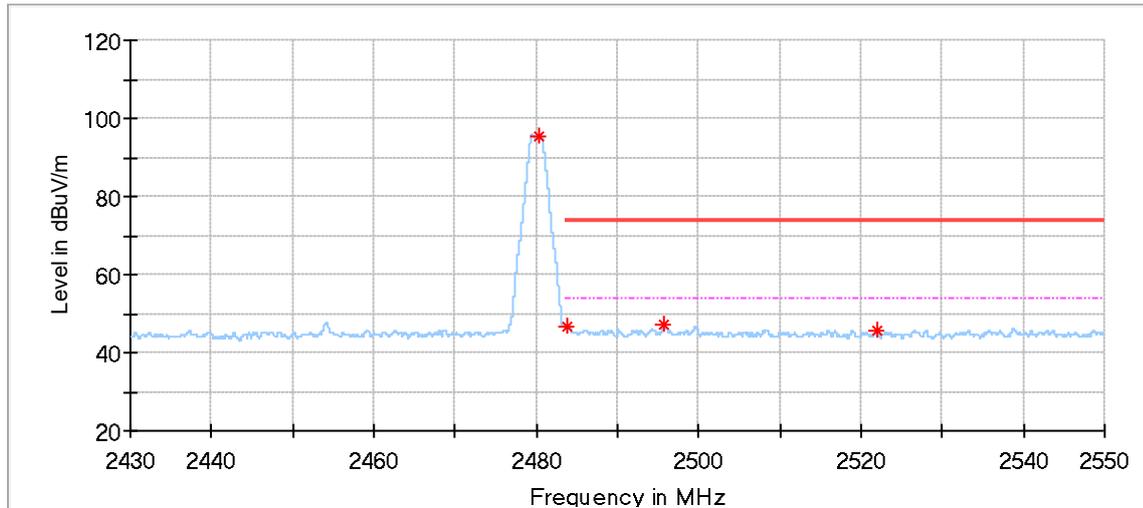
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2340.781000	47.20	74.00	26.80	150.0	V	312.0	-2.39
2390.142000	51.91	74.00	22.09	150.0	V	192.0	-1.92
2399.034000	51.51	74.00	22.49	150.0	V	277.0	-1.77
2402.609000	96.51	---	---	150.0	V	277.0	-1.72

Final Result

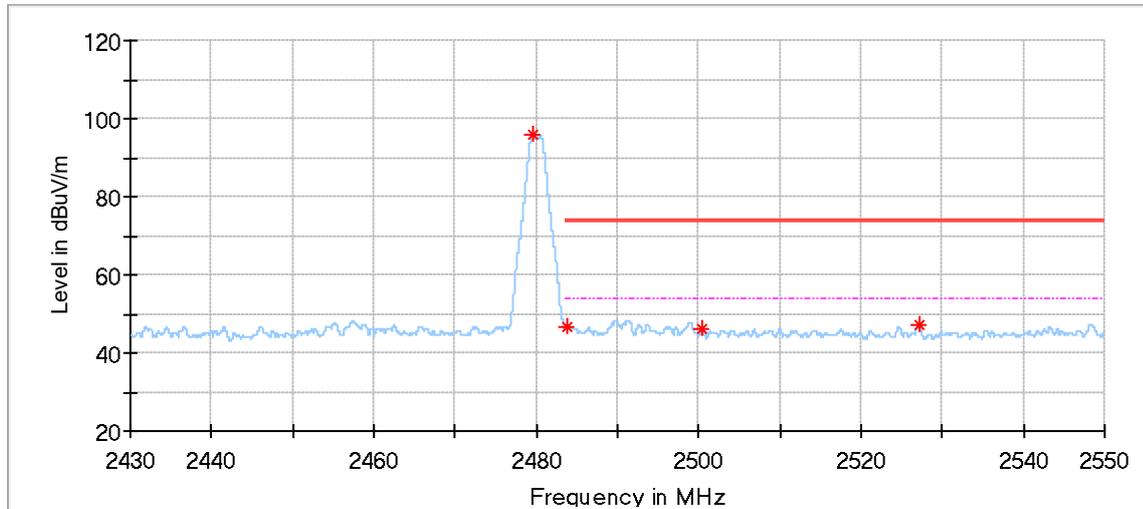
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.142000	47.20	54.00	6.80	150.0	V	192.0	-1.92
2399.034000	47.60	54.00	6.40	150.0	V	277.0	-1.77

BLE_2Mbps_2480



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
2480.436000	95.62	---	---	150.0	H	206.0	-1.44	Fundamental Frequency
2483.796000	46.66	74.00	27.34	150.0	H	206.0	-1.45	Spurious
2495.820000	47.03	74.00	26.97	150.0	H	47.0	-1.48	Spurious
2521.956000	45.56	74.00	28.44	150.0	H	121.0	-1.42	Spurious



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
2479.560000	95.95	---	---	150.0	V	280.0	-1.43	Fundamental Frequency
2483.700000	46.65	74.00	27.35	150.0	V	316.0	-1.45	Spurious
2500.452000	46.02	74.00	27.98	150.0	V	2.0	-1.48	Spurious
2527.176000	47.00	74.00	27.00	150.0	V	269.0	-1.35	Spurious

Remark:

- (1) Level= Reading Level + Correction Factor
- (2) 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)

10 Test Equipment List

List of Test Instruments

Conducted Emission 2# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-19-002	102590	1	2025-5-13
LISN	Rohde & Schwarz	ENV216	68-4-87-19-001	102472	1	2025-5-12
High Voltage Probe	Schwarzbeck	TK9420(VT9420)	68-4-27-14-001	9420-584	1	2025-5-12
RF Current Probe	Rohde & Schwarz	EZ-17	68-4-27-14-002	100816	1	2025-5-13
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2025-5-11
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

Radiated Emission Test 1# Test

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	2025-5-13
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-02
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2025-5-11
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-001	15542	1	2025-5-11
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A20	----	----	----
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
Cable	JUNFLON	MWX221	68-4-90-14-001-A22	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

Radiated Emission 2# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2025-5-13
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9162	68-4-80-19-003	284	1	2026-2-11
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2026-3-10
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2025-5-11
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-002	100746	1	2025-5-11
Sideband 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
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-002	15542	1	2025-5-11
Cable	JUNFLON	MWX221	68-4-90-19-006-A20	----	----	----
Cable	JUNFLON	MWX241	68-4-90-19-006-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

RF Test System

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	2025-5-11
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157W	68-4-93-14-003	101226/100929	1	2025-5-11
Power Splitter	Weinschel	1580	68-4-85-14-001	SC319	1	2025-5-11
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2025-5-11
Frequency Extender	TST PASS	TSTCMWEXT7	68-4-93-23-001-A01	WEX230017C	1	2025-5-12
Frequency Extender	TST PASS	TSTSGEXT7	68-4-93-23-001-A02	EX2300BA	1	2025-5-12
Cable	JUNFLON	J12J103539	68-4-90-19-003-A20	----	----	----
Test software	TST PASS	System for BT/WIFI	68-4-93-23-001-A03	Version 2.0	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	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 Conducted Emission in new shielding room (68-4-90-19-005) 150kHz-30MHz (for test using AMN ENV216)	3.15dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 9kHz-30MHz	4.70dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 30MHz-1000MHz	Horizontal: 4.63dB; Vertical: 4.78dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 5.38dB; Vertical: 5.38dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 18GHz-40GHz	Horizontal: 5.29dB; Vertical: 5.29dB;
Uncertainty for Conducted RF test with TS 8997	RF Power Conducted: 1.31dB

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4

---THE END OF REPORT---