ACCREDITED
CERT#4344.01

TEST REPORT

Applicant:	Acer Incorporated
Address:	8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan
Equipment Type:	Tablet PC
Model Name:	A26016 (refer to section 2.3)
Brand Name:	acer
Marketing Name:	Iconia A10, A10-51*** (The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank)
FCC ID:	HLZA26016
ISED Number:	1754F-A26016
Test Standard:	47 CFR Part 15 Subpart C RSS-Gen Issue 5 RSS-247 Issue 4 (refer to section 3.1)
Sample Arrival Date:	Aug. 20, 2026
Test Date:	Aug. 24, 2026 - Sep. 07, 2026
Date of Issue:	Oct. 12, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Wang Yinglong **Checked by:** Li Ganming **Approved by:** Tolan Tu

(Testing Director)

Wang Ying long Li Ganming Tolan Tu

Revision History

Version	Issue Date	Revisions
Rev. 01	Oct. 12, 2026	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☑ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☐ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Acer Incorporated
Address	8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan

2.2 Manufacturer Information

Manufacturer	Acer Incorporated
Address	8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	A26016
Series Model Name	A26016*** (The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank)
Description of Model name differentiation	Only differences are model names for trading purpose. (this information provided by the applicant)
Marketing Name	Iconia A10, A10-51*** (The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank)
Serial Number	MTK0002609041543090005
Hardware Version	JF1094 UX1.0
Software Version	Android 16
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac

The requirement for the following technical information of the EUT was tested in this report:

Modulation Technology	DTS
Modulation Type	GFSK
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Transfer Rate	1 Mbps, 2 Mbps
Frequency Range	The frequency range used is 2400 MHz to 2483.5 MHz.
Number of Channel	40 (at intervals of 2 MHz) Note 1
Tested Channel	1 Mbps: 0 (2402 MHz), 19 (2440 MHz), 39 (2480 MHz) 2 Mbps: 1 (2404 MHz), 19 (2440 MHz), 38 (2478 MHz)
Antenna Type	PIFA Antenna
Antenna Gain	-2.96 dBi
Antenna Impedance	50Ω
Antenna System (MIMO Smart Antenna)	N/A
Note 1: 2 Mbps does not support Channel 0, Channel 12, and Channel 39.	

All channel was listed on the following table:

BLE 1M:

Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)
0	**2402**	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	**19**	**2440**	29	2460	**39**	**2480**

BLE 2M:

Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)	Channel Number	Freq. (MHz)
\	\	10	2422	20	2442	30	2462
1	**2404**	11	2424	21	2444	31	2464
2	2406	\	\	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	**38**	**2478**
9	2420	**19**	**2440**	29	2460	\	\

2.5 Additional Instructions

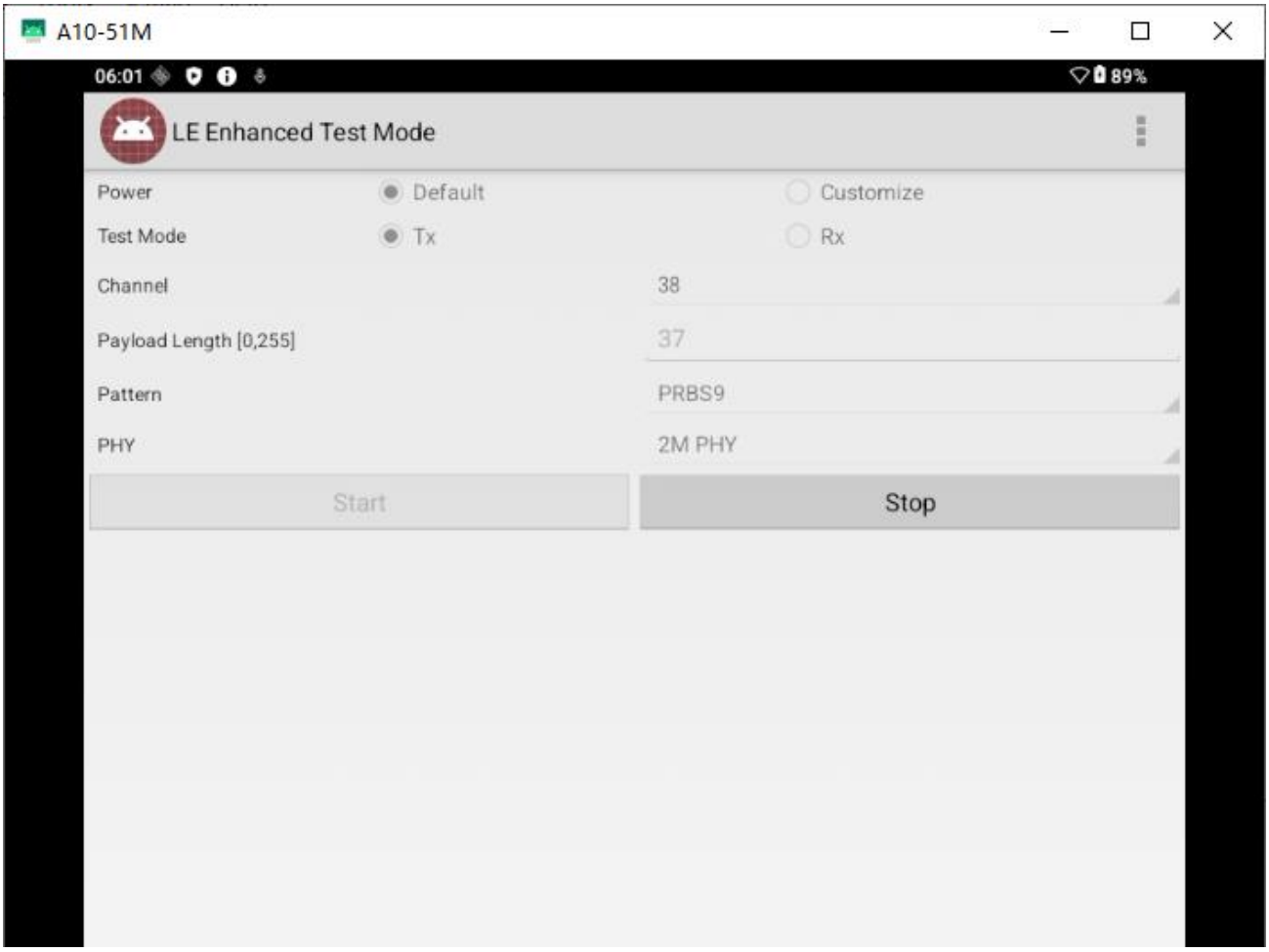
EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

During testing. Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power level setup in software			
Test Software Version	Engineer Mode		
Mode	Channel	Frequency (MHz)	Soft Set
GFSK (BLE 1Mbps)	0	2402	Default
	19	2440	
	39	2480	
GFSK (BLE 2Mbps)	1	2404	Default
	19	2440	
	38	2478	

Run Software:



3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and LicenceExempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices
5	KDB 558074 D01 15.247 Meas Guidance v05r02 ☆	Guidance for compliance measurements on digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules

3.2 Test Verdict

No.	Description	FCC Part No.	ISED Part No.	Channel	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-Gen, 6.8	N/A	--	Pass[Note1]
2	Output Power	15.247(b)	RSS-247, 6.3.2	Low/Middle/ High	ANNEX A.1	Pass
3	Occupied Bandwidth	15.247(a)	RSS-GEN, 6.7; RSS-247, 6.3.1(a)	Low/Middle/ High	ANNEX A.2	Pass
4	Conducted Spurious Emission	15.247(d)	RSS-247, 6.6	Low/Middle/ High	ANNEX A.3	Pass
5	Band Edge(Authorized-band band-edge)	15.247(d)	RSS-247, 6.6	Low/High	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	Low/Middle/ High	ANNEX A.5	Pass
7	Radiated Spurious Emission	15.209 15.247(d)	RSS-247, 6.6	Low/Middle/ High	ANNEX A.6	Pass
8	Band Edge(Restricted-band band-edge)	15.209 15.247(d)	RSS-247, 6.6	Low/High	ANNEX A.7	Pass
9	Power spectral density (PSD)	15.247(e)	RSS-247, 6.3.1(b)	Low/Middle/ High	ANNEX A.8	Pass
10	Receiver Spurious Emissions	--	RSS-Gen, 7.3	--	N/A	N/A[Note2]

Note [1]: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note [2]: Only radio communication receivers operating in stand-alone mode within the band 30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	46% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.0℃ to +24.1℃
Working Voltage of the EUT	NV (Normal Voltage)	3.85 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2026.06.01	2027.05.31
Spectrum Analyzer	KEYSIGHT	N9020A	MY54432240	2026.03.24	2027.03.23
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	00884	2025.03.01	2028.02.29
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	EMC Electronic Co, Ltd	9m*6m*6m	213	2026.03.03	2028.03.02
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2026.05.20	2027.05.19
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2026.05.20	2027.05.19
Amplifier	COM-MV	KA LNA18 40G-01	10248150	2025.12.04	2026.12.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
EMI Receiver	Keysight	N9048B	MY59290112	2026.01.28	2027.01.27
Amplifier(30MHz-1GHz)	COM-MV	ZT30-1000M	10233263	2026.04.23	2027.04.22
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	1884	2025.11.23	2028.11.22
Anechoic Chamber（#4）	Changning	9m*6m*6m	107-1	2026.01.09	2029.01.08
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.09.25	2026.09.24
LISN	SCHWARZBECK	NSLK 8127	8127-687	2026.03.25	2027.03.24
ISN	TESEQ	ISN T800	34449	2025.10.20	2026.10.19
ISN	TESEQ	ISN T8-Cat6	53561	2026.05.29	2027.05.28
Shielded Room	Chang Chuang	4m*4m*3m	662	2025.10.12	2028.10.11
adapter	TEKA	TEKA-SCC20AU	N/A	N/A	N/A

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

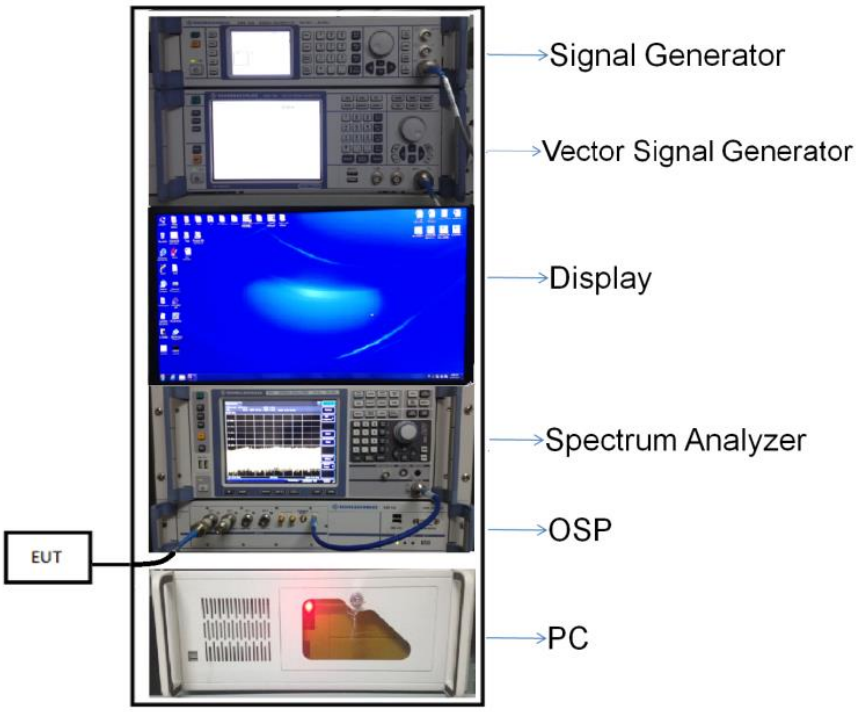
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

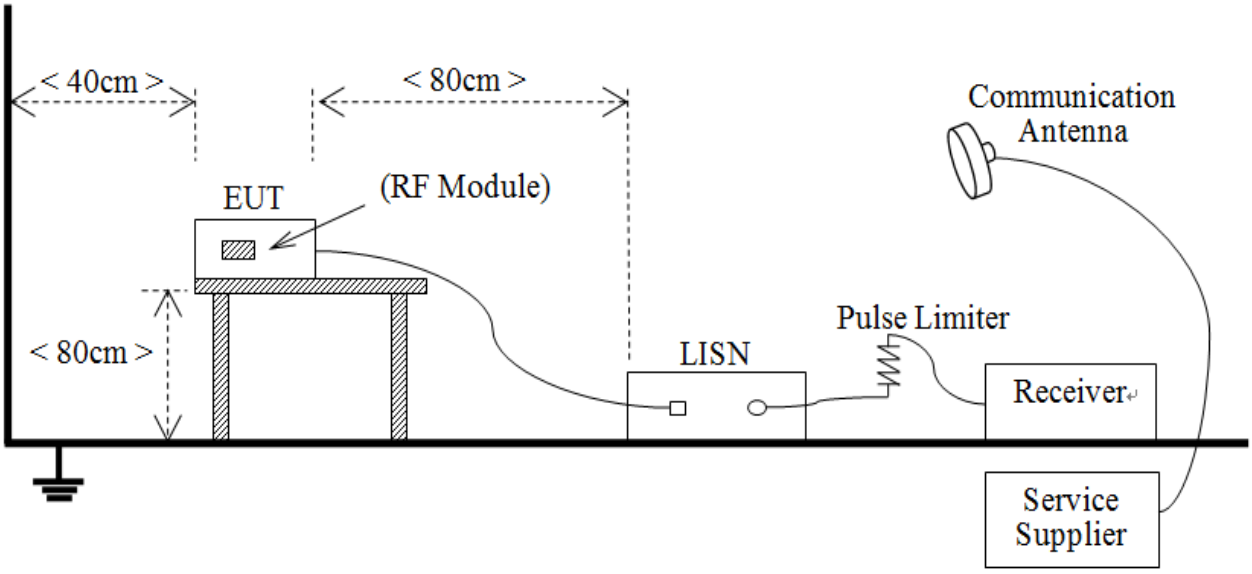
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:
Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



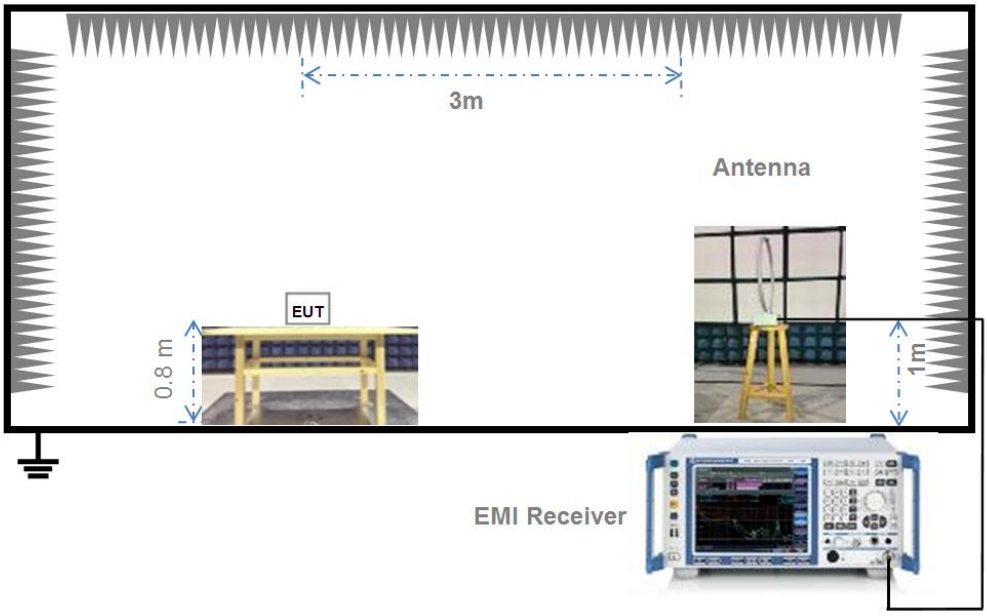
(Diagram 1)

4.5.2 For AC Power Supply Port Test



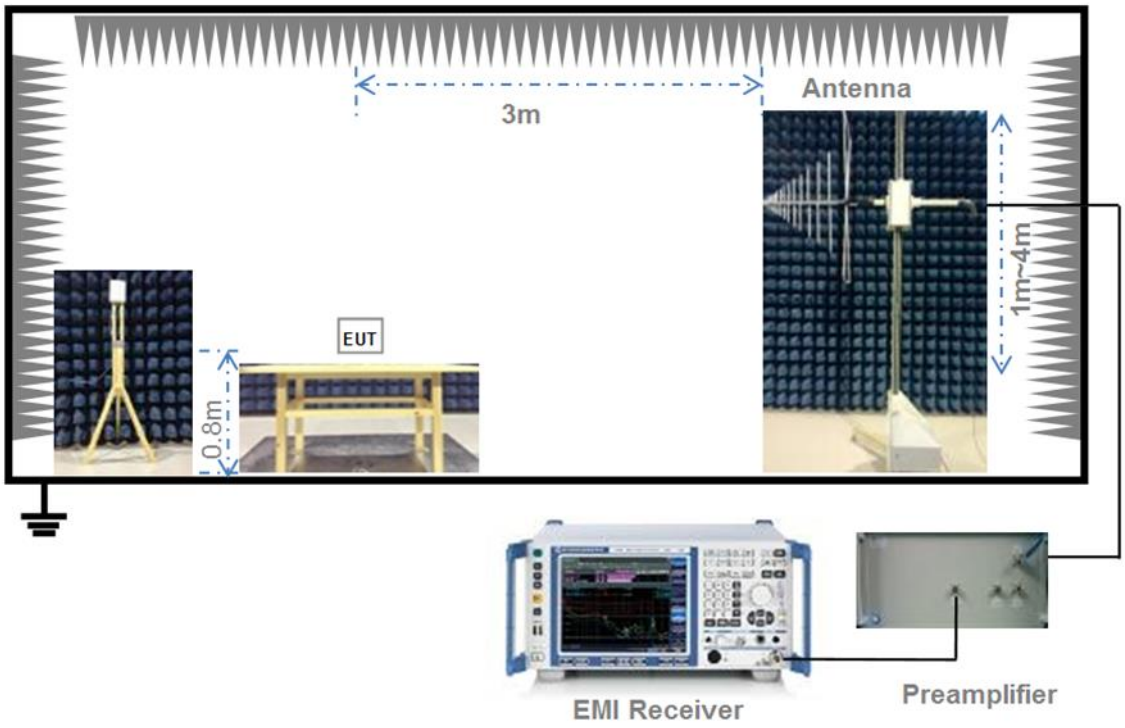
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



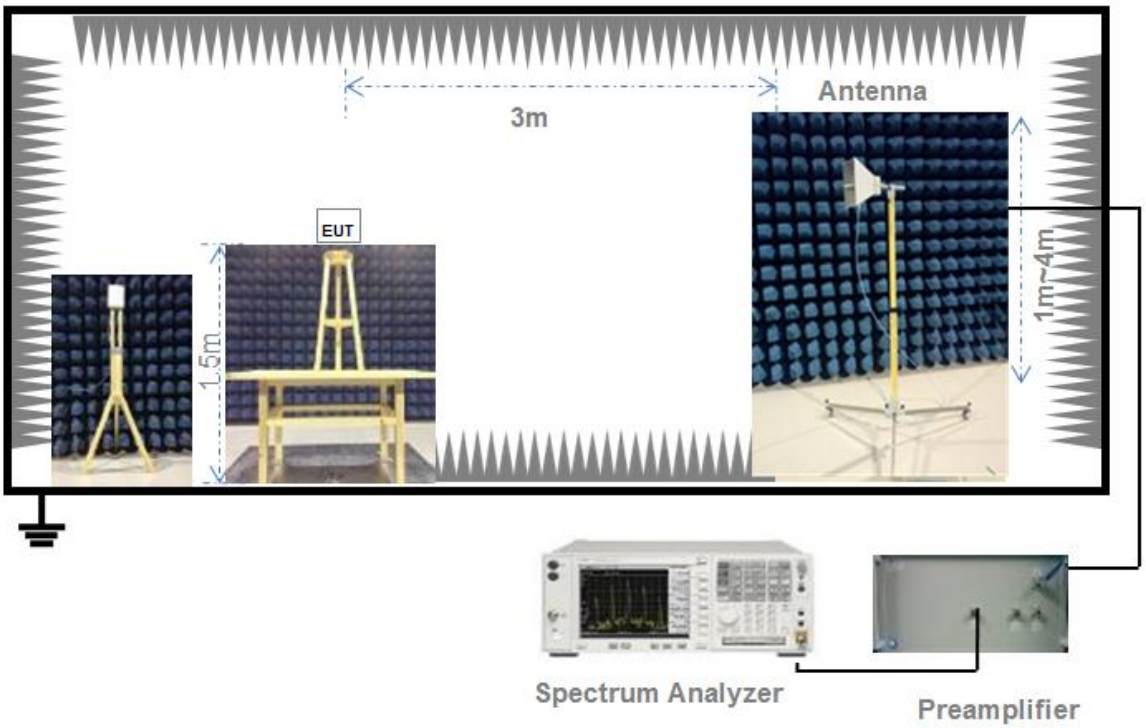
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.6 Measurement Results Explanation Example

4.6.1 For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.

4.6.2 For radiated band edges and spurious emission test:

$$E = EIRP - 20\log D + 104.8$$

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203 & 15.247(b); RSS-Gen, 6.8
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 Output Power

5.2.1 Test Limit

FCC § 15.247(b)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements.

RSS-247, 6.3.2

For DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b).

5.2.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

a) Maximum peak conducted output power

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

Set the RBW ≥ DTS bandwidth.

Set VBW ≥ 3 x RBW.

Set span ≥ 3 x RBW

Sweep time = auto couple.

Detector = peak.

Trace mode = max hold.

Allow trace to fully stabilize.

Use peak marker function to determine the peak amplitude level.

b) Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW ≥ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)

5.2.4 Test Result

Please refer to ANNEX A.1.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC §15.247(a); RSS-247, 6.3.1(a); RSS-GEN, 6.7

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW. The 6 dB bandwidth must be greater than 500 kHz.

5.3.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Option 1:

Use the following spectrum analyzer settings:

Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.

Set the video bandwidth (VBW) ≥ 3 RBW.

Detector = Peak.

Trace mode = max hold.

Sweep = No faster than coupled (auto) time.

Allow the trace to stabilize.

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.

Option 2:

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by anyintermediate power nulls in the fundamental emission that might be ≥ 6 dB.

99% bandwidth:

Use the following spectrum analyzer settings:

Set RBW = shall be in the range of 1% to 5% of the OBW.

Set the video bandwidth (VBW) ≥ 3 RBW.

Set the Span to 1.5 to 5 times of OBW.

Detector = Peak.

Trace mode = max hold.

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Conducted Spurious Emission

5.4.1 Limit

FCC §15.247(d); RSS-247, 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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.

5.4.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required.

The following procedures shall be used to demonstrate compliance to these limits. Note that these procedures can be used in either an antenna-port conducted or radiated test set-up. Radiated tests must conform to the test site requirements and utilize maximization procedures defined herein.

Reference level measurement:

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = No faster than coupled auto time.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Emission level measurement:

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.

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = No faster than coupled auto time.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Authorized-band band-edge)

5.5.1 Limit

FCC §15.247(d); RSS-247, 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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.

5.5.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required.

The following procedures shall be used to demonstrate compliance to these limits. Note that these procedures can be used in either an antenna-port conducted or radiated test set-up. Radiated tests must conform to the test site requirements and utilize maximization procedures defined herein.

Reference level measurement:

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = No faster than coupled auto time.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Emission level measurement:

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.

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = No faster than coupled auto time.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.5.4 Test Result

Please refer to ANNEX A.4.

5.6 Conducted Emission

5.6.1 Limit

FCC §15.207; RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.6.2 Test Setup

See section 4.5.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.
Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.6.4 Test Result

Please refer to ANNEX A.5.

5.7 Radiated Spurious Emission

5.7.1 Limit

FCC §15.209&15.247(d); RSS-GEN, 8.9; RSS-247, 6.6

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2. In the emission tables above, the tighter limit applies at the band edges.
3. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
4. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.7.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements

for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands:

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$E = EIRP – 20\log D + 104.8$

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

f) Compare the resultant electric field strength level to the applicable limit.

g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure:

Peak emission levels are measured by setting the instrument as follows:

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction:

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

a) The EUT shall be configured to operate at the maximum achievable duty cycle.

b) Measure the duty cycle, x, of the transmitter output signal as described in section 6.0.

c) RBW = 1 MHz (unless otherwise specified).

d) VBW ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

f) Averaging type = power (i.e., RMS).

1) As an alternative, the detector and averaging type may be set for linear voltage averaging.

2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is 10 log(1/x), where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is 20 log(1/x), where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain:

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test:

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the

Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.7.4 Test Result

Please refer to ANNEX A.6.

5.8 Band Edge (Restricted-band band-edge)

5.8.1 Limit

FCC §15.209&15.247(d); RSS-GEN, 8.10; RSS-247, 6.6

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.8.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.8.3 Test Procedure

The following procedures may be used to determine the average field strength or power of an unwanted emission that is within 2 MHz of the authorized band-edge. Use the procedure described in 11.12.3.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., $D \geq 98\%$). Use the procedure described in 11.12.3.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ±2%). Use the procedure described in 11.12.3.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2%).
If the EUT can be configured or modified to transmit continuously (D ≥ 98%), measured using the following method (with EUT transmitting continuously):

Use the following spectrum analyzer settings:

Set instrument center frequency to the frequency of the emission to be measured (must be within

2 MHz of the authorized band-edge).

RBW = 100 kHz.

VBW ≥ [3 × RBW].

Detector = Power averaging (rms), if [span / (# of points in sweep)] ≤ (RBW / 2).

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.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the analyzer’s band-power

measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission) ± 0.5 MHz.

If continuous transmission of the EUT (D ≥ 98%) cannot be achieved and the duty cycle is constant (duty cycle variations are less ±2%), then the following procedure may be used to measure the average power of unwanted emissions within 2 MHz of the authorized band-edge:

RBW = 100 kHz.

VBW ≥ [3 × RBW].

Detector = Power averaging (rms), if [span / (# of points in sweep)] ≤ (RBW / 2).

Averaging type = power (i.e., rms):

Detector = Power averaging (rms), if [span / (# of points in sweep)] ≤ (RBW / 2). Satisfying this condition might require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

Averaging type = power (i.e., rms):

1)As an alternative, the detector and averaging type may be set for linear voltage averaging

2)Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the instrument's band-power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the spectrum analyzer does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

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 step f), then the applicable correction factor is [10 log (1 / D)], where D is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is [20 log (1 / D)], where D is the duty cycle.

3) If a specific emission is demonstrated to be continuous (D ≥ 98%) rather than turning ON and

OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Reduction of the measured emission amplitude levels to account for operational duty cycle is not permitted. Determining compliance is based on emission levels occurring during transmission—it is not based on an average across ON and OFF times of the transmitter.

5.8.4 Test Result

Please refer to ANNEX A.7.

5.9 Power Spectral density (PSD)

5.9.1 Limit

FCC §15.247(e); RSS-247, 6.3.1 (b)

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of Section 5.4(4), (i.e. the power spectral density shall be determined using the same method as is used to determine the conducted output power).

5.9.2 Test Setup

See section 4.5.1 (Diagram 1) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.9.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.

Set the VBW ≥ 3 RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.9.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULT

A.1 Output Power, E.I.R.P

Duty Cycle

Test Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle	Duty Factor
GFSK (BLE 1Mbps)	2.142	2.499	85.71%	0.67
GFSK (BLE 2Mbps)	1.072	1.880	57.02%	2.44

Peak Power Test Data

Channel	Measured Output Peak Power		Limit		Verdict
	GFSK (BLE 1Mbps)		dBm	mW	
	dBm	mW			
Low Channel	-3.51	0.45	30	1000	Pass
Middle Channel	-1.95	0.64			Pass
High Channel	-1.95	0.64			Pass

Channel	Measured Output Peak Power		Limit		Verdict
	GFSK (BLE 2Mbps)		dBm	mW	
	dBm	mW			
Low Channel	-3.21	0.48	30	1000	Pass
Middle Channel	-1.78	0.66			Pass
High Channel	-1.64	0.69			Pass

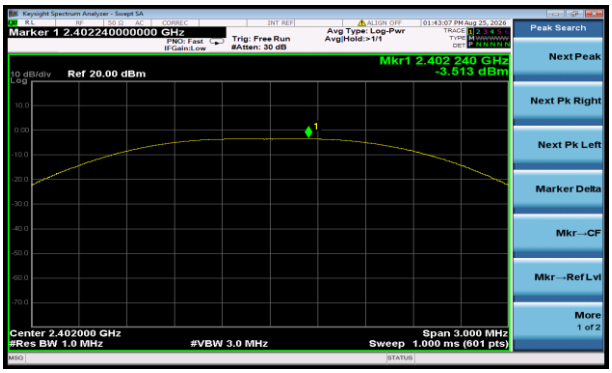
E.I.R.P Test Data (For ISED)

Channel	E.I.R.P		Limit		Verdict
	GFSK (BLE 1Mbps)		dBm	mW	
	dBm	mW			
Low Channel	-6.47	0.45	36	4000	Pass
Middle Channel	-4.91	0.64			Pass
High Channel	-4.91	0.64			Pass

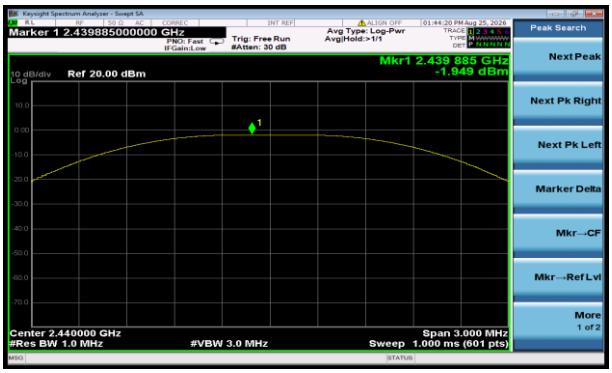
Channel	E.I.R.P		Limit		Verdict
	GFSK (BLE 2Mbps)		dBm	mW	
	dBm	mW			
Low Channel	-6.17	0.48	36	4000	Pass
Middle Channel	-4.74	0.66			Pass
High Channel	-4.60	0.69			Pass

Test Plots

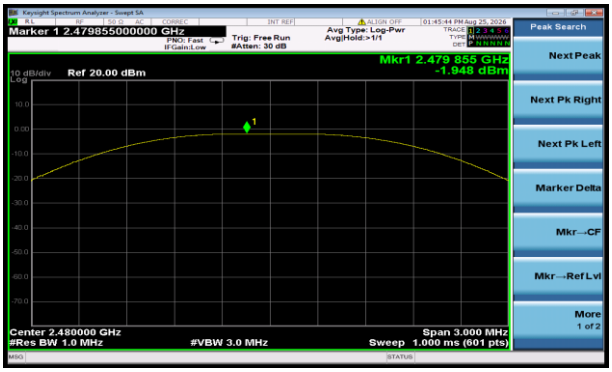
GFSK (BLE 1Mbps) LOW CHANNEL



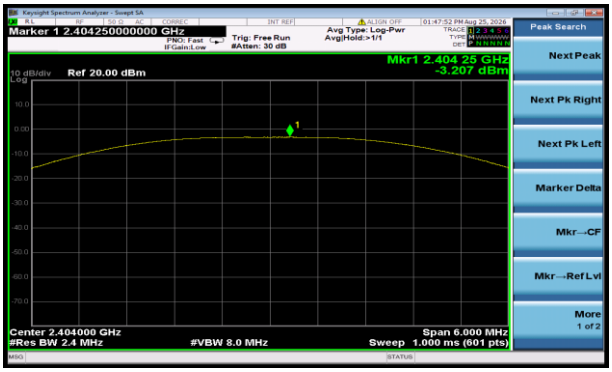
GFSK (BLE 1Mbps) MIDDLE CHANNEL



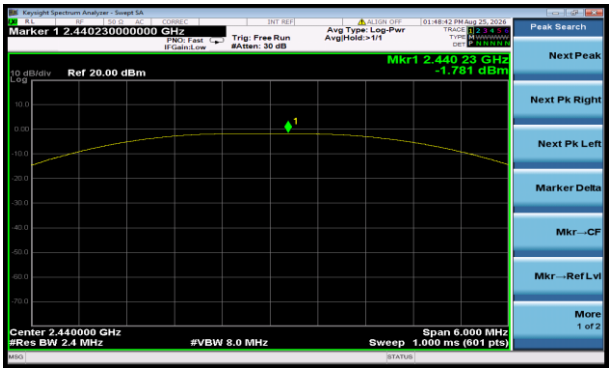
GFSK (BLE 1Mbps) HIGH CHANNEL



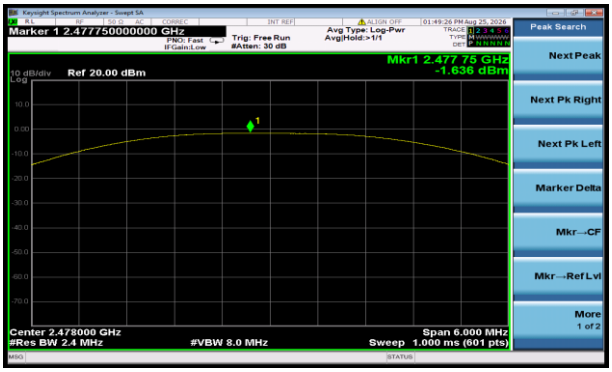
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



A.2 Occupied Bandwidth

Test Data

Test Mode	GFSK (BLE 1Mbps)		
Channel	6 dB Bandwidth (kHz)	99% Bandwidth (kHz)	6 dB Bandwidth Limits (kHz)
Low Channel	679.500	1046.200	≥500
Middle Channel	705.100	1041.200	≥500
High Channel	697.500	1026.300	≥500

Test Mode	GFSK (BLE 2Mbps)		
Channel	6 dB Bandwidth (kHz)	99% Bandwidth (kHz)	6 dB Bandwidth Limits (kHz)
Low Channel	1200.195	2070.444	≥500
Middle Channel	1215.088	2071.539	≥500
High Channel	1200.195	2075.700	≥500

Test Plots

6 dB Bandwidth

GFSK (BLE 1Mbps) LOW CHANNEL

GFSK (BLE 1Mbps) MIDDLE CHANNEL

GFSK (BLE 1Mbps) HIGH CHANNEL

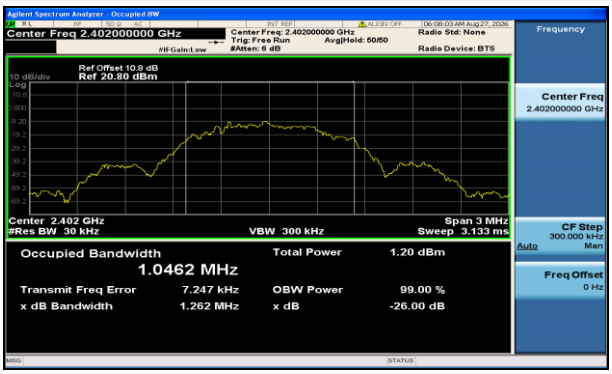
GFSK (BLE 2Mbps) LOW CHANNEL

GFSK (BLE 2Mbps) MIDDLE CHANNEL

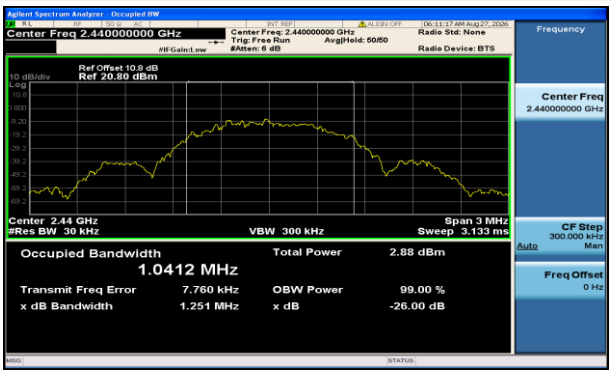
GFSK (BLE 2Mbps) HIGH CHANNEL

99% Bandwidth

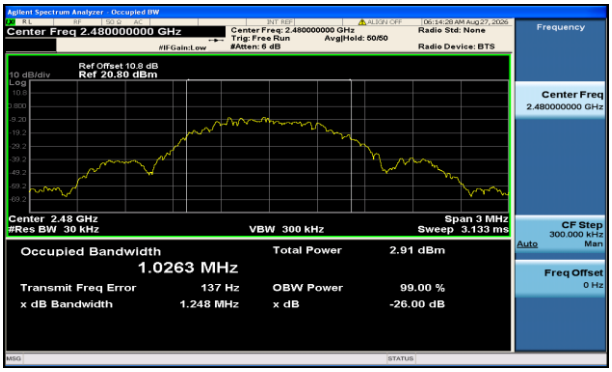
GFSK (BLE 1Mbps) LOW CHANNEL



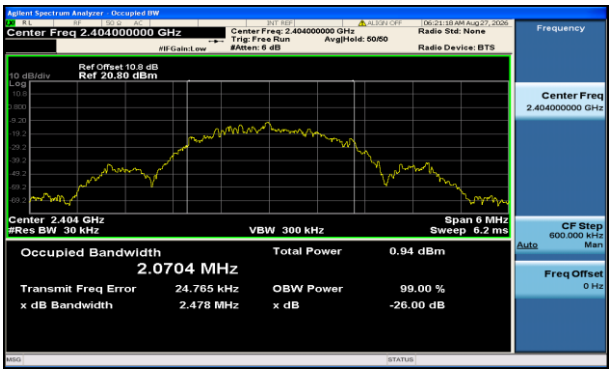
GFSK (BLE 1Mbps) MIDDLE CHANNEL



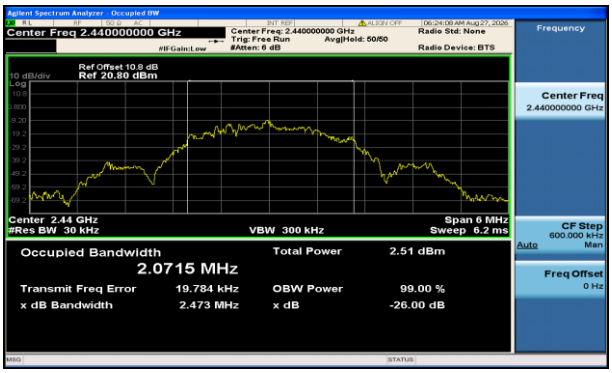
GFSK (BLE 1Mbps) HIGH CHANNEL



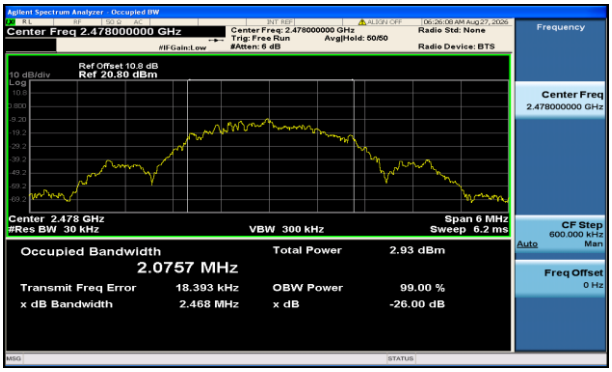
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



A.3 Conducted Spurious Emissions

Test Data

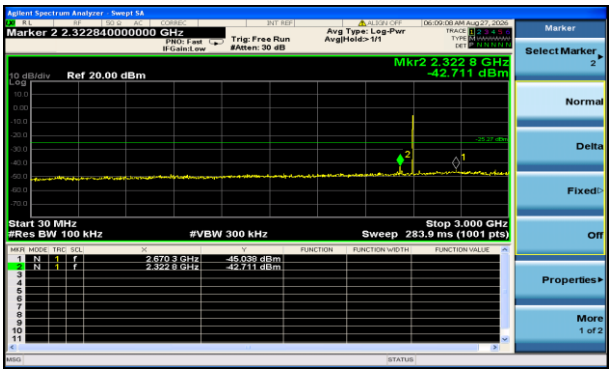
GFSK (BLE 1Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.79	-5.27	-25.27	Pass
Middle Channel	-37.09	-3.54	-23.54	Pass
High Channel	-37.31	-3.46	-23.46	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.68	-4.95	-24.95	Pass
Middle Channel	-36.76	-3.47	-23.47	Pass
High Channel	-36.51	-3.33	-23.33	Pass

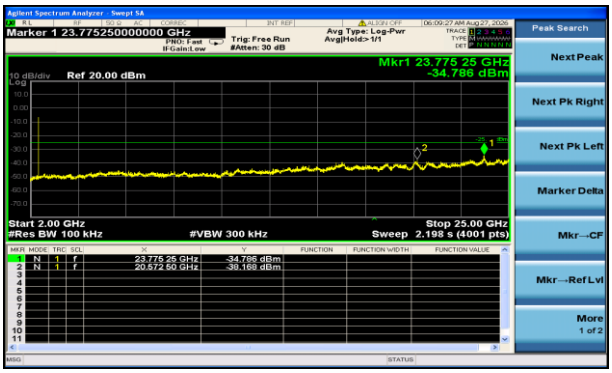
Test Plots

GFSK (BLE 1Mbps) LOW CHANNEL,
CARRIER LEVEL

GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 30 MHz ~ 3 GHz

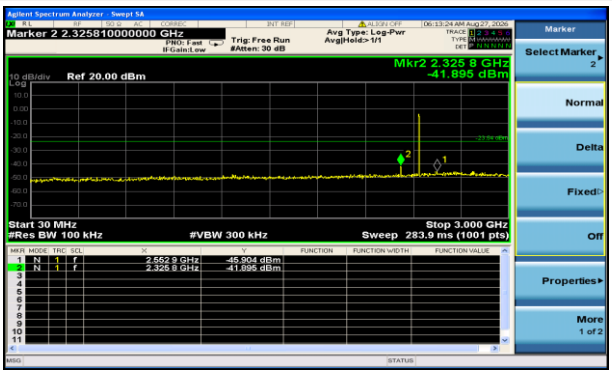


GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

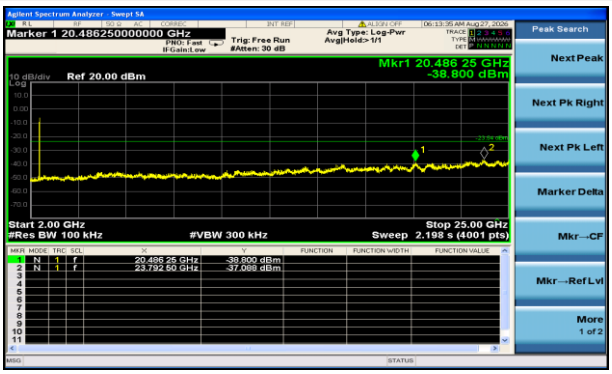


GFSK (BLE 1Mbps) MIDDLE CHANNEL,
CARRIER LEVEL

GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

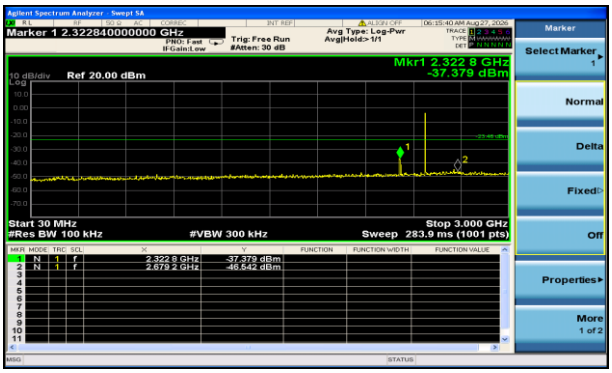


GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

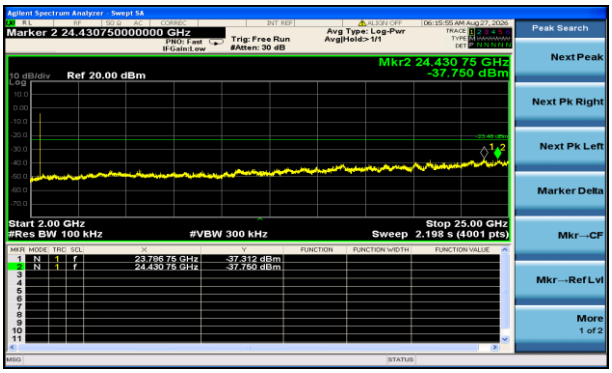


GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL

GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

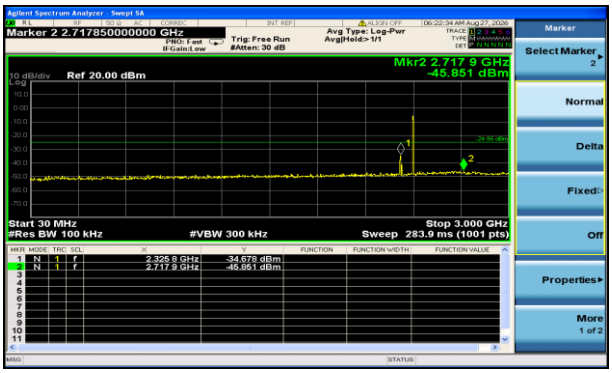


GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

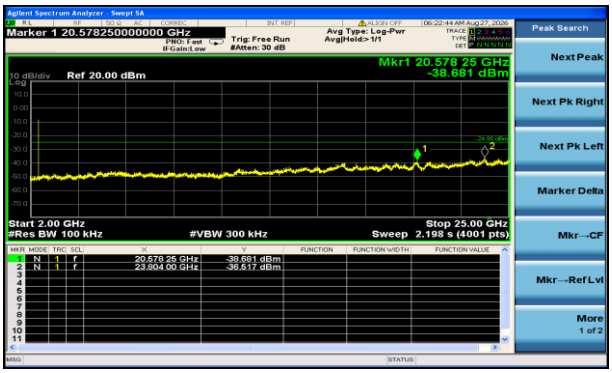


GFSK (BLE 2Mbps) LOW CHANNEL,
CARRIER LEVEL

GFSK (BLE 2Mbps) LOW CHANNEL,
SPURIOUS 30 MHz ~ 3 GHz

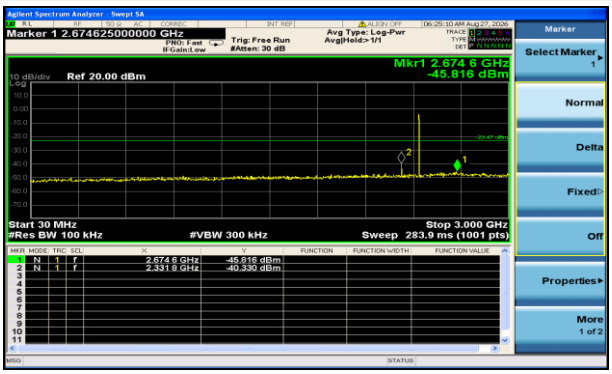


GFSK (BLE 2Mbps) LOW CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

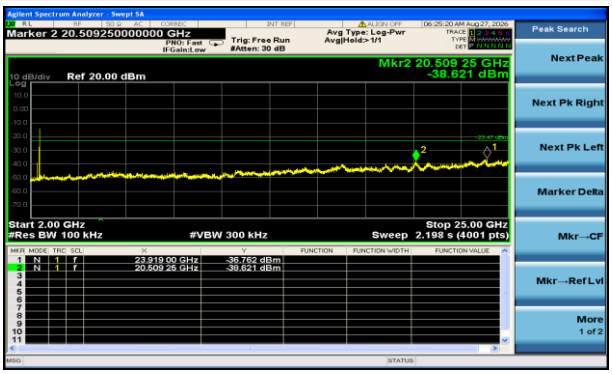


GFSK (BLE 2Mbps) MIDDLE CHANNEL,
CARRIER LEVEL

GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

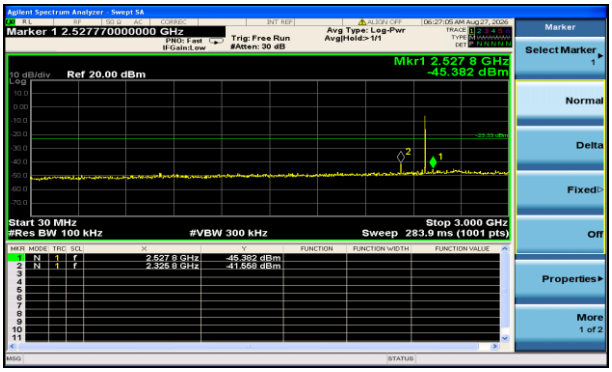


GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

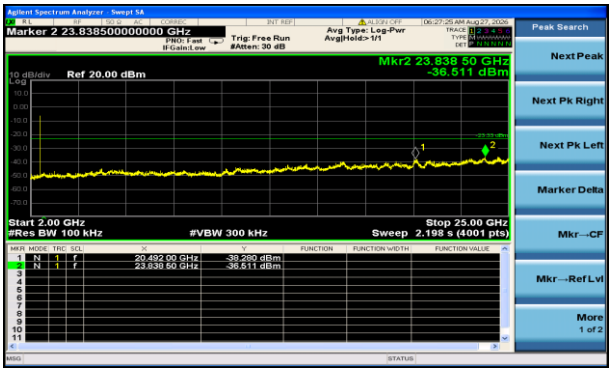


GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL

GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Test Data

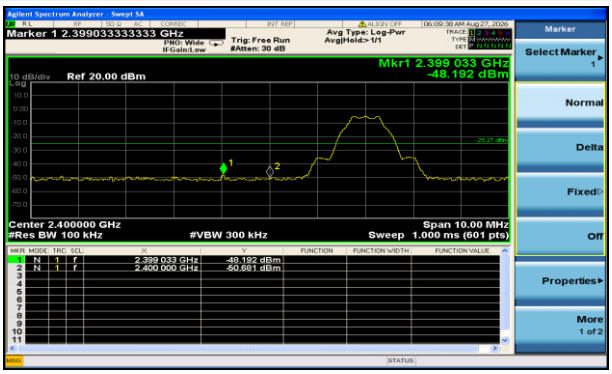
GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.19	-5.27	-25.27	Pass
High Channel	-49.10	-3.46	-23.46	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.08	-4.95	-24.95	Pass
High Channel	-48.31	-3.33	-23.33	Pass

Test Plots

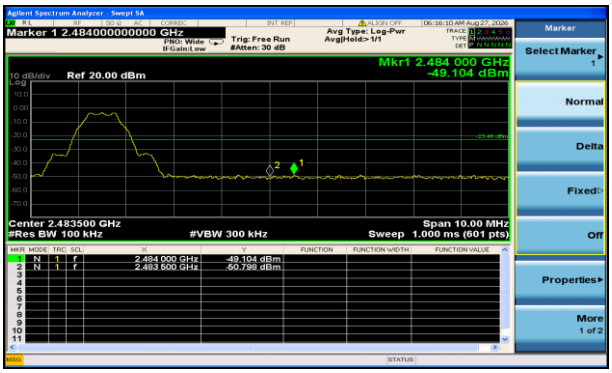
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL

GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



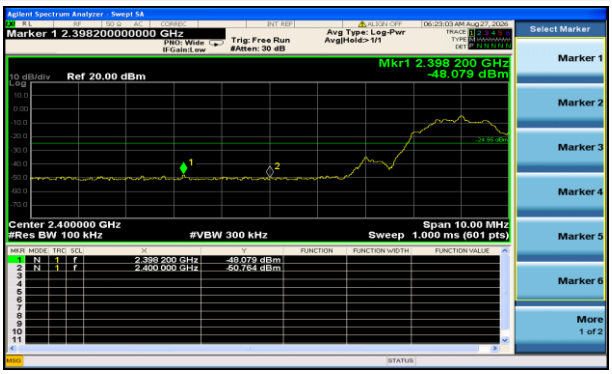
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL

GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



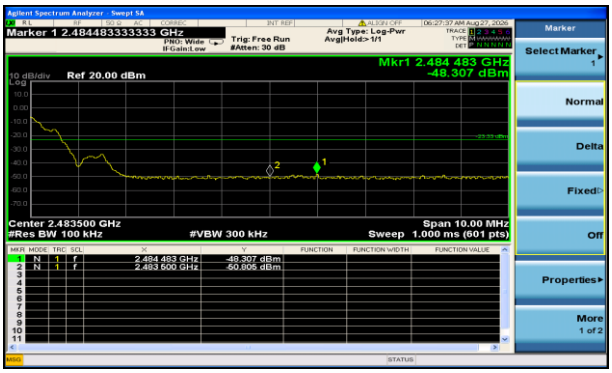
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL

GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL

GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

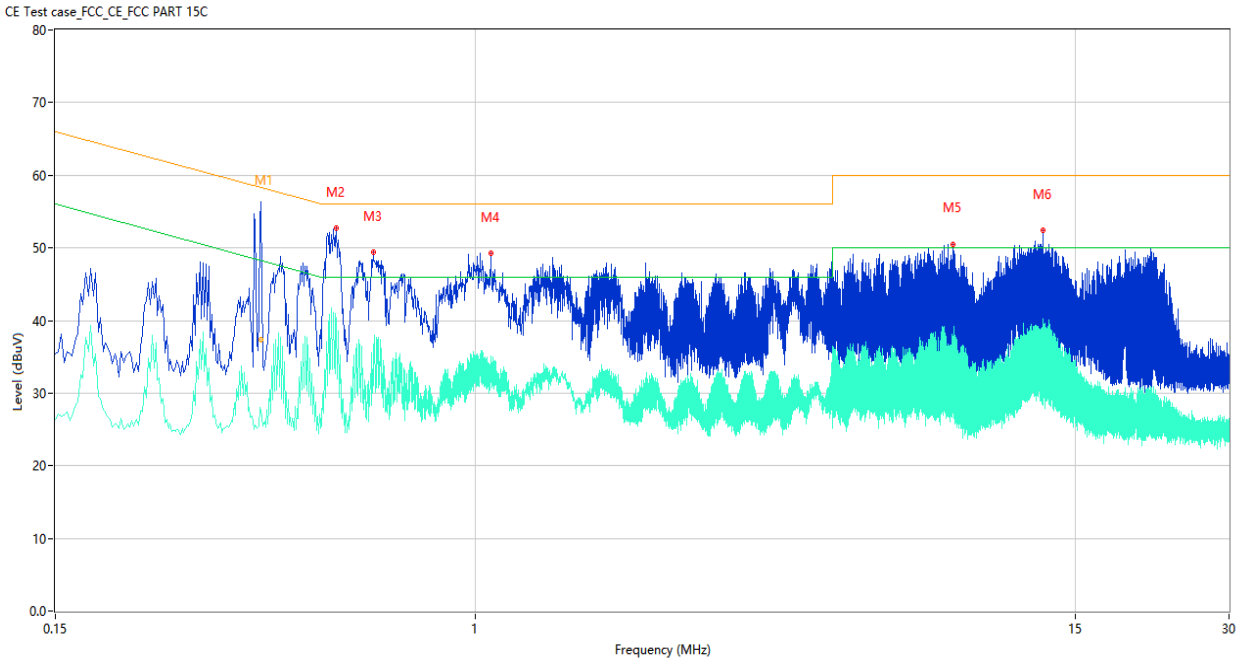
Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note [3]: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

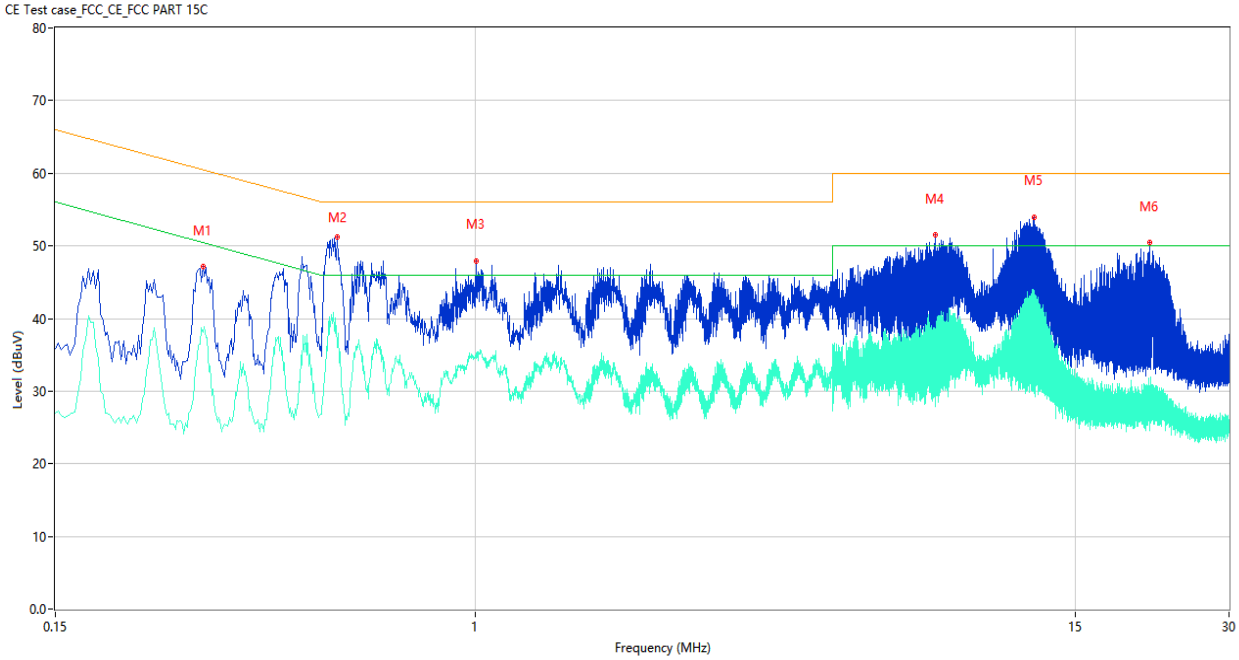
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.380	58.05	10.60	58.28	0.23	Peak	L	N/A
1*	0.380	37.31	10.60	58.28	20.97	QP	L	Pass
1**	0.380	27.76	10.60	48.28	20.52	AV	L	Pass
2	0.534	52.72	9.99	56.00	3.28	Peak	L	Pass
2**	0.534	40.43	9.99	46.00	5.57	AV	L	Pass
3	0.630	49.44	10.16	56.00	6.56	Peak	L	Pass
3**	0.630	36.69	10.16	46.00	9.31	AV	L	Pass
4	1.070	49.27	10.07	56.00	6.73	Peak	L	Pass
4**	1.070	35.09	10.07	46.00	10.91	AV	L	Pass
5	8.636	50.54	10.37	60.00	9.46	Peak	L	Pass
5**	8.636	37.82	10.37	50.00	12.18	AV	L	Pass
6	12.970	52.45	10.43	60.00	7.55	Peak	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.292	47.19	9.73	60.47	13.28	Peak	N	Pass
1**	0.292	38.13	9.73	50.47	12.34	AV	N	Pass
2	0.536	51.28	9.99	56.00	4.72	Peak	N	Pass
2**	0.536	36.04	9.99	46.00	9.96	AV	N	Pass
3	1.004	47.97	9.96	56.00	8.03	Peak	N	Pass
3**	1.004	34.54	9.96	46.00	11.46	AV	N	Pass
4	7.956	51.55	10.19	60.00	8.45	Peak	N	Pass
4**	7.956	38.45	10.19	50.00	11.55	AV	N	Pass
5	12.432	53.99	10.41	60.00	6.01	Peak	N	Pass
5**	12.432	41.60	10.41	50.00	8.40	AV	N	Pass
6	21.010	50.42	10.83	60.00	9.58	Peak	N	Pass
6**	21.010	26.47	10.83	50.00	23.53	AV	N	Pass

A.6 Radiated Spurious Emission

Note [1]: The symbol of "--" in the table which means not application.

Note [2]: For the test data above 1 GHz, according the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

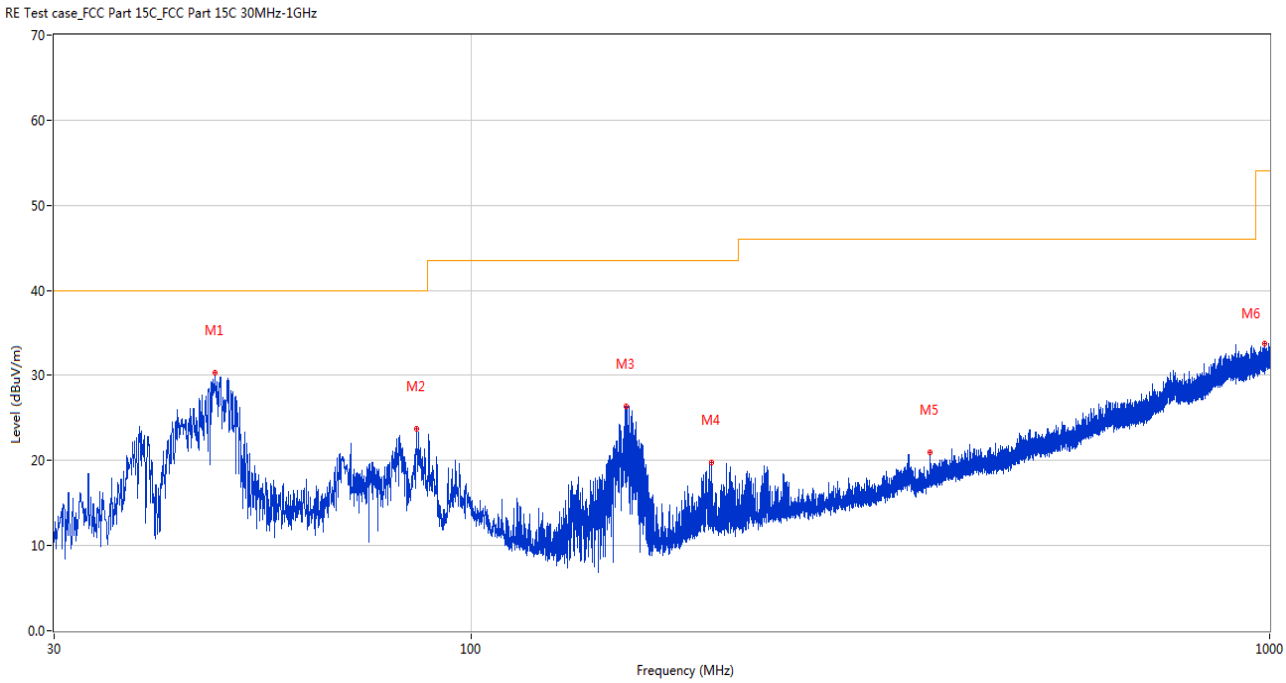
Note [3]: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note [4]: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-High channel mode is the worst.

Note [5]: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

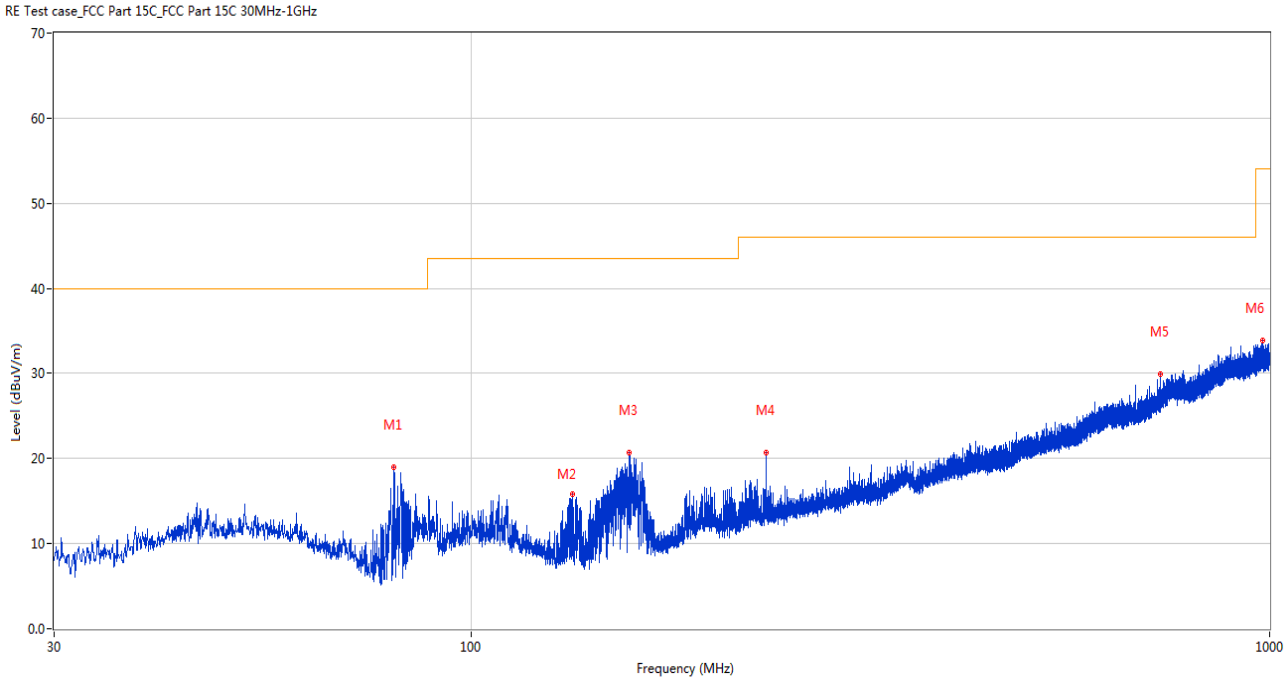
Test Data and Plots

30 MHz to 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.703	30.39	-24.17	40.0	9.61	Peak	236.00	100	Vertical	Pass
2	85.339	23.75	-29.25	40.0	16.25	Peak	264.10	100	Vertical	Pass
3	156.440	26.34	-28.00	43.5	17.16	Peak	11.50	100	Vertical	Pass
4	199.992	19.81	-24.38	43.5	23.69	Peak	23.70	100	Vertical	Pass
5	375.029	20.92	-19.33	46.0	25.08	Peak	273.20	200	Vertical	Pass
6	986.566	33.75	-4.55	54.0	20.25	Peak	71.80	100	Vertical	Pass

30 MHz to 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	80.004	19.04	-30.54	40.0	20.96	Peak	183.50	200	Horizontal	Pass
2	133.790	15.86	-28.48	43.5	27.64	Peak	333.30	200	Horizontal	Pass
3	157.798	20.76	-27.82	43.5	22.74	Peak	327.30	200	Horizontal	Pass
4	234.088	20.65	-23.42	46.0	25.35	Peak	232.20	200	Horizontal	Pass
5	729.273	29.99	-10.00	46.0	16.01	Peak	327.30	200	Horizontal	Pass
6	979.436	33.85	-4.62	54.0	20.15	Peak	22.70	100	Horizontal	Pass

Note [1]: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

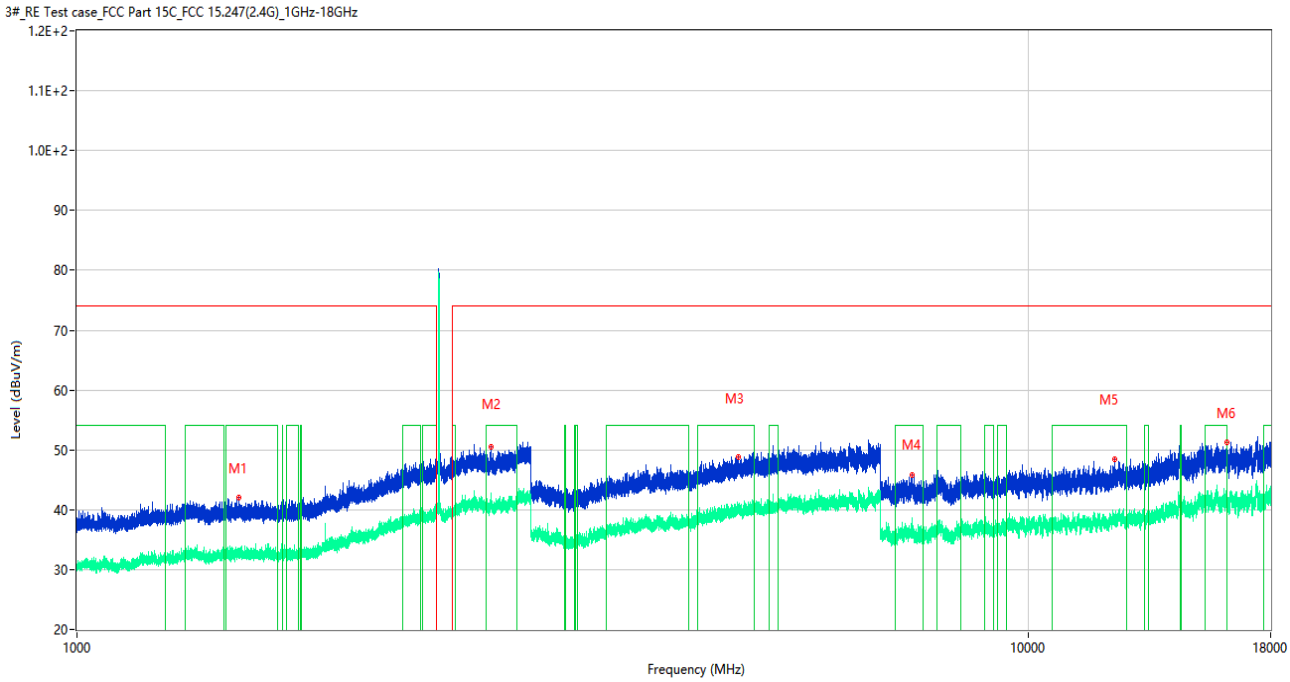
Note [2]: The spurious from 18GHz-25GHz is noise only, do not show on the report.

Note [3]: The RSE Plot only shows the worst-case scenario, while all other data are presented in tabular form.

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.307	41.84	74.0	32.16	Peak	185.00	100	Horizontal	Pass
1**	1518.307	32.43	54.0	21.57	AV	185.00	100	Horizontal	Pass
2	2879.863	51.21	74.0	22.79	Peak	359.00	300	Horizontal	Pass
2**	2879.863	41.25	54.0	12.75	AV	359.00	300	Horizontal	Pass
3	4951.602	49.62	74.0	24.38	Peak	16.00	200	Horizontal	Pass
3**	4951.602	40.04	54.0	13.96	AV	16.00	200	Horizontal	Pass
4	7466.011	45.90	74.0	28.10	Peak	134.00	400	Horizontal	Pass
4**	7466.011	36.77	54.0	17.23	AV	134.00	400	Horizontal	Pass
5	11478.267	48.14	74.0	25.86	Peak	135.00	100	Horizontal	Pass
5**	11478.267	38.05	54.0	15.95	AV	135.00	100	Horizontal	Pass
6	15812.260	52.47	74.0	21.54	Peak	153.00	400	Horizontal	Pass
6**	15812.260	42.89	54.0	11.11	AV	153.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.119	42.01	74.0	31.99	Peak	276.00	100	Vertical	Pass
1**	1482.119	33.21	54.0	20.79	AV	276.00	100	Vertical	Pass
2	2723.678	50.49	74.0	23.51	Peak	189.00	100	Vertical	Pass
2**	2723.678	40.77	54.0	13.23	AV	189.00	100	Vertical	Pass
3	4959.248	48.99	74.0	25.01	Peak	85.00	200	Vertical	Pass
3**	4959.248	40.03	54.0	13.97	AV	85.00	200	Vertical	Pass
4	7553.217	46.08	74.0	27.92	Peak	209.00	300	Vertical	Pass
4**	7553.217	37.90	54.0	16.10	AV	209.00	300	Vertical	Pass
5	12326.660	48.73	74.0	25.27	Peak	162.00	100	Vertical	Pass
5**	12326.660	38.84	54.0	15.17	AV	162.00	100	Vertical	Pass
6	16170.743	51.38	74.0	22.62	Peak	349.00	300	Vertical	Pass
6**	16170.743	42.12	54.0	11.88	AV	349.00	300	Vertical	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.181	41.49	74.0	32.51	Peak	337.00	300	Horizontal	Pass
1**	1524.181	32.00	54.0	22.00	AV	337.00	300	Horizontal	Pass
2	2881.166	50.52	74.0	23.48	Peak	185.00	400	Horizontal	Pass
2**	2881.166	41.10	54.0	12.90	AV	185.00	400	Horizontal	Pass
3	4950.928	49.37	74.0	24.63	Peak	62.00	200	Horizontal	Pass
3**	4950.928	39.39	54.0	14.61	AV	62.00	200	Horizontal	Pass
4	7470.716	45.81	74.0	28.19	Peak	28.00	400	Horizontal	Pass
4**	7470.716	36.24	54.0	17.76	AV	28.00	400	Horizontal	Pass
5	11478.978	47.21	74.0	26.79	Peak	89.00	200	Horizontal	Pass
5**	11478.978	37.52	54.0	16.48	AV	89.00	200	Horizontal	Pass
6	15807.272	52.12	74.0	21.89	Peak	266.00	200	Horizontal	Pass
6**	15807.272	41.88	54.0	12.12	AV	266.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.296	41.39	74.0	32.61	Peak	97.00	300	Vertical	Pass
1**	1477.296	33.07	54.0	20.93	AV	97.00	300	Vertical	Pass
2	2726.107	50.31	74.0	23.69	Peak	325.00	100	Vertical	Pass
2**	2726.107	40.22	54.0	13.78	AV	325.00	100	Vertical	Pass
3	4959.183	48.91	74.0	25.09	Peak	308.00	200	Vertical	Pass
3**	4959.183	39.65	54.0	14.35	AV	308.00	200	Vertical	Pass
4	7552.486	45.69	74.0	28.31	Peak	33.00	100	Vertical	Pass
4**	7552.486	37.67	54.0	16.33	AV	33.00	100	Vertical	Pass
5	12324.570	48.55	74.0	25.45	Peak	75.00	300	Vertical	Pass
5**	12324.570	37.90	54.0	16.11	AV	75.00	300	Vertical	Pass
6	16174.413	50.83	74.0	23.17	Peak	233.00	400	Vertical	Pass
6**	16174.413	42.00	54.0	12.00	AV	233.00	400	Vertical	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.261	40.95	74.0	33.05	Peak	300.00	200	Horizontal	Pass
1**	1517.261	31.85	54.0	22.15	AV	300.00	200	Horizontal	Pass
2	2877.241	50.90	74.0	23.10	Peak	160.00	300	Horizontal	Pass
2**	2877.241	41.16	54.0	12.84	AV	160.00	300	Horizontal	Pass
3	4952.447	48.68	74.0	25.32	Peak	246.00	200	Horizontal	Pass
3**	4952.447	39.53	54.0	14.47	AV	246.00	200	Horizontal	Pass
4	7466.956	45.40	74.0	28.60	Peak	275.00	300	Horizontal	Pass
4**	7466.956	36.02	54.0	17.98	AV	275.00	300	Horizontal	Pass
5	11476.222	47.44	74.0	26.56	Peak	121.00	400	Horizontal	Pass
5**	11476.222	37.36	54.0	16.64	AV	121.00	400	Horizontal	Pass
6	15810.632	52.09	74.0	21.92	Peak	314.00	400	Horizontal	Pass
6**	15810.632	41.66	54.0	12.34	AV	314.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.768	41.94	74.0	32.06	Peak	310.00	100	Vertical	Pass
1**	1475.768	33.16	54.0	20.84	AV	310.00	100	Vertical	Pass
2	2725.152	50.41	74.0	23.59	Peak	67.00	100	Vertical	Pass
2**	2725.152	40.73	54.0	13.27	AV	67.00	100	Vertical	Pass
3	4959.048	48.90	74.0	25.10	Peak	146.00	200	Vertical	Pass
3**	4959.048	39.96	54.0	14.04	AV	146.00	200	Vertical	Pass
4	7555.991	45.99	74.0	28.01	Peak	235.00	300	Vertical	Pass
4**	7555.991	37.86	54.0	16.14	AV	235.00	300	Vertical	Pass
5	12328.855	48.65	74.0	25.35	Peak	210.00	400	Vertical	Pass
5**	12328.855	38.74	54.0	15.26	AV	210.00	400	Vertical	Pass
6	16176.232	51.31	74.0	22.69	Peak	115.00	100	Vertical	Pass
6**	16176.232	41.09	54.0	12.91	AV	115.00	100	Vertical	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.124	41.48	74.0	32.52	Peak	198.00	200	Horizontal	Pass
1**	1285.124	31.85	54.0	22.15	AV	198.00	200	Horizontal	Pass
2	2771.491	50.89	74.0	23.11	Peak	307.00	100	Horizontal	Pass
2**	2771.491	41.14	54.0	12.86	AV	307.00	100	Horizontal	Pass
3	5169.083	48.80	74.0	25.20	Peak	128.00	200	Horizontal	Pass
3**	5169.083	39.31	54.0	14.69	AV	128.00	200	Horizontal	Pass
4	6803.696	45.81	74.0	28.19	Peak	133.00	300	Horizontal	Pass
4**	6803.696	36.70	54.0	17.30	AV	133.00	300	Horizontal	Pass
5	13468.549	47.28	74.0	26.72	Peak	222.00	400	Horizontal	Pass
5**	13468.549	37.95	54.0	16.05	AV	222.00	400	Horizontal	Pass
6	17463.519	51.61	74.0	22.40	Peak	220.00	200	Horizontal	Pass
6**	17463.519	41.97	54.0	12.03	AV	220.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.980	41.95	74.0	32.06	Peak	28.00	100	Vertical	Pass
1**	1286.980	33.15	54.0	20.85	AV	28.00	100	Vertical	Pass
2	2768.555	50.45	74.0	23.55	Peak	76.00	400	Vertical	Pass
2**	2768.555	40.76	54.0	13.24	AV	76.00	400	Vertical	Pass
3	5171.201	48.94	74.0	25.06	Peak	157.00	200	Vertical	Pass
3**	5171.201	40.02	54.0	13.98	AV	157.00	200	Vertical	Pass
4	6810.013	46.02	74.0	27.98	Peak	186.00	100	Vertical	Pass
4**	6810.013	37.87	54.0	16.13	AV	186.00	100	Vertical	Pass
5	13465.597	48.67	74.0	25.33	Peak	260.00	100	Vertical	Pass
5**	13465.597	38.83	54.0	15.17	AV	260.00	100	Vertical	Pass
6	17463.530	51.35	74.0	22.65	Peak	196.00	100	Vertical	Pass
6**	17463.530	41.03	54.0	12.97	AV	196.00	100	Vertical	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.578	41.48	74.0	32.52	Peak	114.00	400	Horizontal	Pass
1**	1283.578	31.67	54.0	22.33	AV	114.00	400	Horizontal	Pass
2	2767.461	50.54	74.0	23.46	Peak	4.00	300	Horizontal	Pass
2**	2767.461	40.87	54.0	13.13	AV	4.00	300	Horizontal	Pass
3	5170.124	48.92	74.0	25.08	Peak	201.00	200	Horizontal	Pass
3**	5170.124	39.81	54.0	14.19	AV	201.00	200	Horizontal	Pass
4	6806.227	45.43	74.0	28.57	Peak	13.00	400	Horizontal	Pass
4**	6806.227	35.86	54.0	18.14	AV	13.00	400	Horizontal	Pass
5	13470.308	47.93	74.0	26.07	Peak	132.00	400	Horizontal	Pass
5**	13470.308	37.93	54.0	16.07	AV	132.00	400	Horizontal	Pass
6	17467.150	51.87	74.0	22.14	Peak	100.00	400	Horizontal	Pass
6**	17467.150	41.78	54.0	12.22	AV	100.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.293	42.00	74.0	32.00	Peak	304.00	200	Vertical	Pass
1**	1283.293	33.11	54.0	20.89	AV	304.00	200	Vertical	Pass
2	2771.989	50.49	74.0	23.52	Peak	89.00	400	Vertical	Pass
2**	2771.989	40.74	54.0	13.26	AV	89.00	400	Vertical	Pass
3	5165.721	48.98	74.0	25.02	Peak	13.00	200	Vertical	Pass
3**	5165.721	40.03	54.0	13.97	AV	13.00	200	Vertical	Pass
4	6804.211	45.99	74.0	28.01	Peak	139.00	100	Vertical	Pass
4**	6804.211	37.83	54.0	16.17	AV	139.00	100	Vertical	Pass
5	13464.935	48.69	74.0	25.31	Peak	181.00	100	Vertical	Pass
5**	13464.935	38.80	54.0	15.20	AV	181.00	100	Vertical	Pass
6	17464.142	51.30	74.0	22.70	Peak	348.00	300	Vertical	Pass
6**	17464.142	41.05	54.0	12.95	AV	348.00	300	Vertical	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.980	41.65	74.0	32.35	Peak	58.00	100	Horizontal	Pass
1**	1286.980	32.27	54.0	21.73	AV	58.00	100	Horizontal	Pass
2	2774.505	50.91	74.0	23.09	Peak	319.00	300	Horizontal	Pass
2**	2774.505	40.25	54.0	13.75	AV	319.00	300	Horizontal	Pass
3	5394.822	49.28	74.0	24.72	Peak	142.00	200	Horizontal	Pass
3**	5394.822	39.21	54.0	14.79	AV	142.00	200	Horizontal	Pass
4	6515.836	45.20	74.0	28.80	Peak	177.00	300	Horizontal	Pass
4**	6515.836	36.34	54.0	17.66	AV	177.00	300	Horizontal	Pass
5	13352.716	47.79	74.0	26.21	Peak	169.00	300	Horizontal	Pass
5**	13352.716	37.65	54.0	16.35	AV	169.00	300	Horizontal	Pass
6	17443.474	52.45	74.0	21.56	Peak	272.00	400	Horizontal	Pass
6**	17443.474	41.05	54.0	12.95	AV	272.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.187	41.91	74.0	32.09	Peak	11.00	200	Vertical	Pass
1**	1285.187	33.12	54.0	20.88	AV	11.00	200	Vertical	Pass
2	2771.941	50.44	74.0	23.56	Peak	163.00	100	Vertical	Pass
2**	2771.941	40.74	54.0	13.26	AV	163.00	100	Vertical	Pass
3	5288.859	48.91	74.0	25.09	Peak	12.00	200	Vertical	Pass
3**	5288.859	40.00	54.0	14.01	AV	12.00	200	Vertical	Pass
4	6652.145	46.03	74.0	27.97	Peak	255.00	100	Vertical	Pass
4**	6652.145	37.89	54.0	16.11	AV	255.00	100	Vertical	Pass
5	13307.189	48.69	74.0	25.31	Peak	308.00	400	Vertical	Pass
5**	13307.189	38.81	54.0	15.19	AV	308.00	400	Vertical	Pass
6	17422.730	51.30	74.0	22.71	Peak	178.00	300	Vertical	Pass
6**	17422.730	41.07	54.0	12.93	AV	178.00	300	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note [1]: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note [2]: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note [3]: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

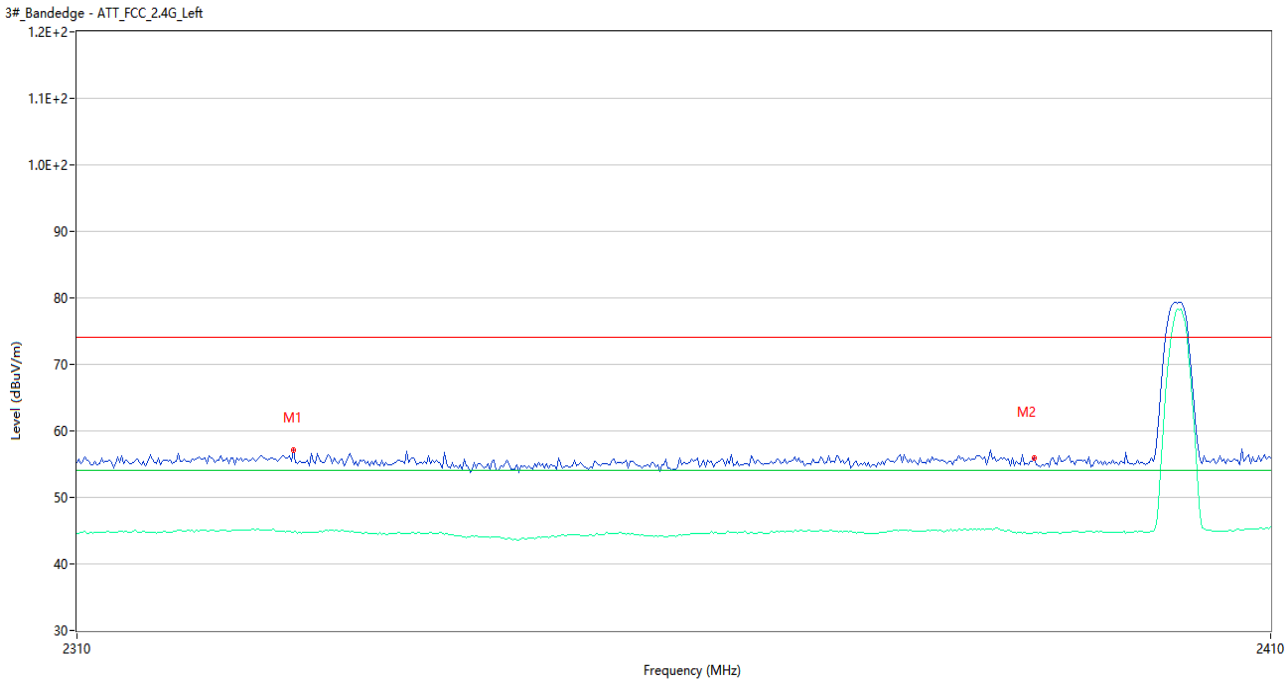
Note [4]: The Level (dBuV/m) has been corrected by factor.

Note [5]: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Note [6]: The RSE Plot only shows the worst-case scenario, while all other data are presented in tabular form.

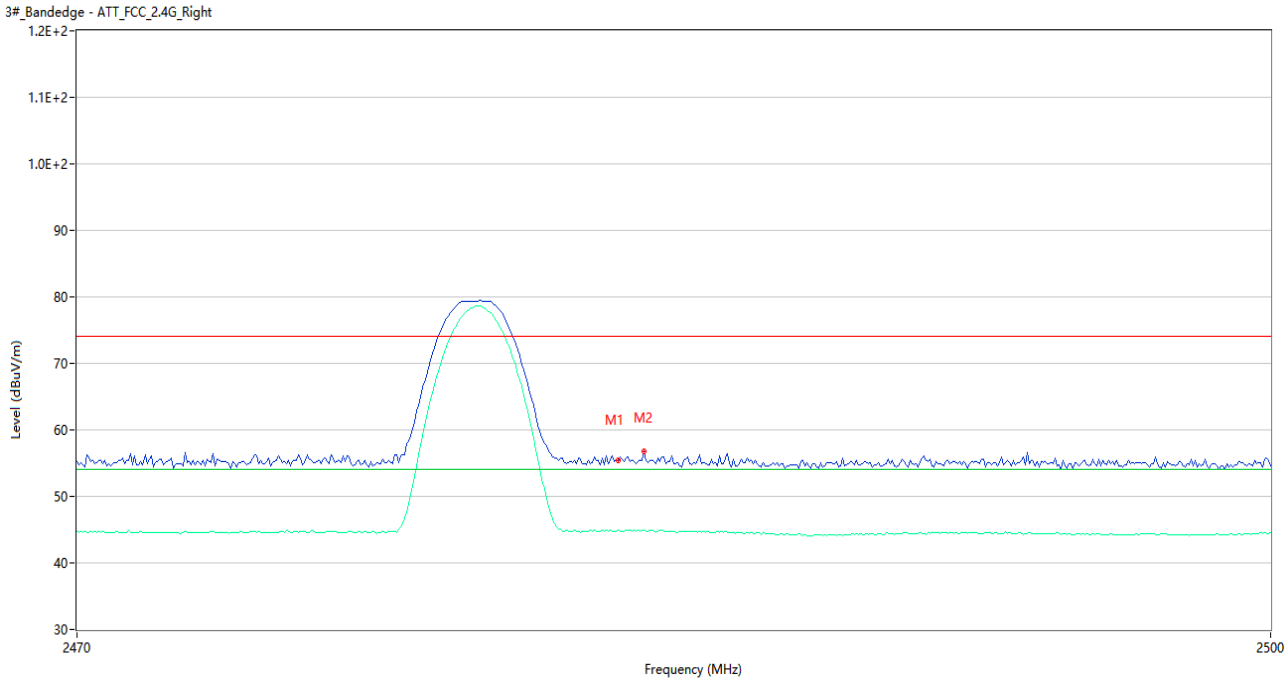
Test Data and Plots

GFSK (BLE 1Mbps) LOW CHANNEL



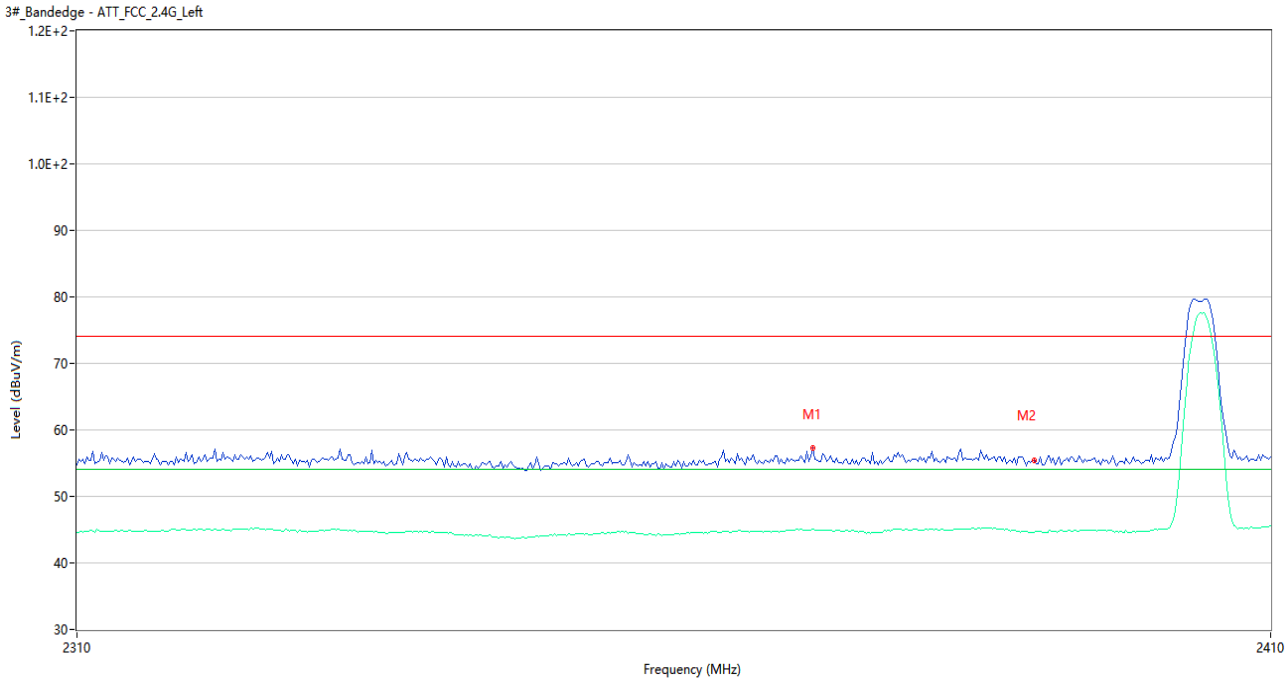
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2327.833	57.08	74.0	16.92	Peak	312.00	100	Vertical	Pass
1**	2327.833	44.76	54.0	9.24	AV	312.00	100	Vertical	Pass
2	2389.833	55.90	74.0	18.10	Peak	159.00	200	Vertical	Pass
2**	2389.833	44.76	54.0	9.24	AV	159.00	200	Vertical	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



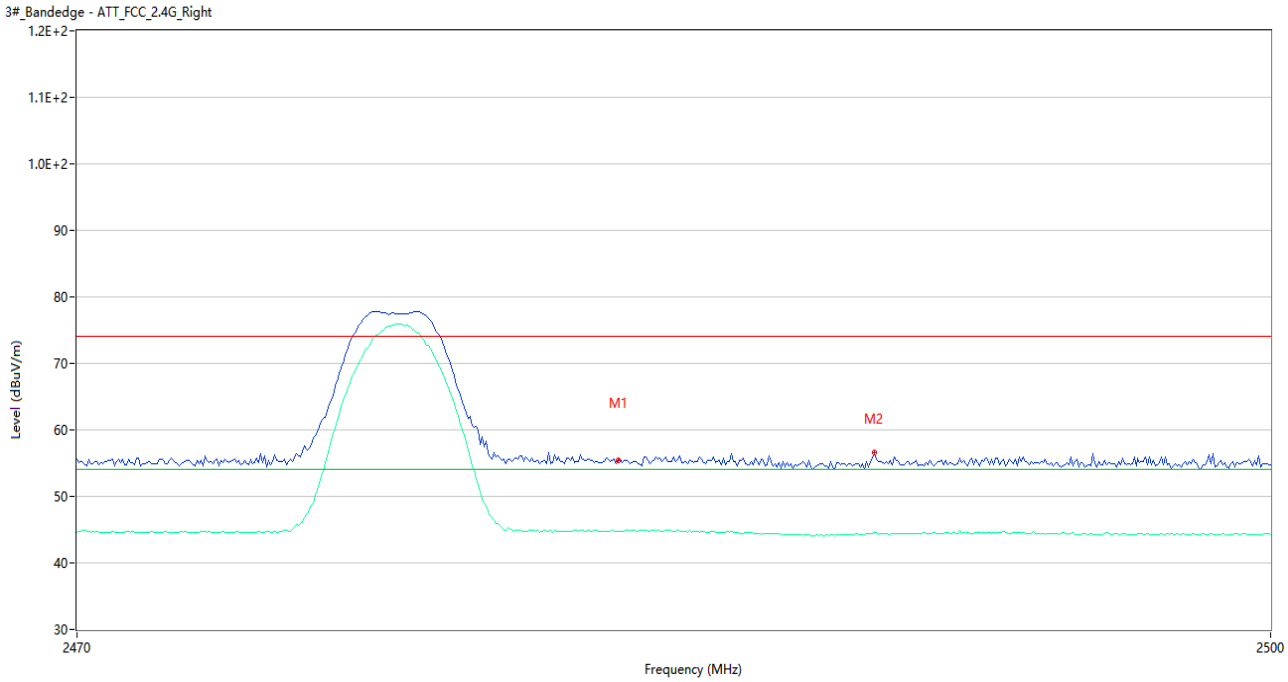
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.41	74.0	18.59	Peak	360.00	100	Vertical	Pass
1**	2483.550	44.99	54.0	9.01	AV	360.00	100	Vertical	Pass
2	2484.200	56.80	74.0	17.20	Peak	44.00	100	Vertical	Pass
2**	2484.200	44.84	54.0	9.16	AV	44.00	100	Vertical	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2371.167	57.35	74.0	16.65	Peak	255.00	100	Vertical	Pass
1**	2371.167	45.05	54.0	8.95	AV	255.00	100	Vertical	Pass
2	2389.833	55.50	74.0	18.50	Peak	87.00	100	Vertical	Pass
2**	2389.833	44.60	54.0	9.40	AV	87.00	100	Vertical	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.49	74.0	18.51	Peak	112.00	100	Vertical	Pass
1**	2483.550	44.83	54.0	9.17	AV	112.00	100	Vertical	Pass
2	2490.000	56.65	74.0	17.35	Peak	133.00	150	Vertical	Pass
2**	2490.000	44.52	54.0	9.48	AV	133.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

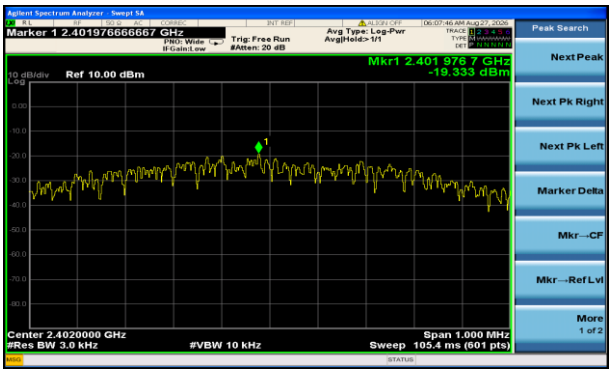
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-19.33	8	Pass
Middle Channel	-17.69	8	Pass
High Channel	-17.59	8	Pass

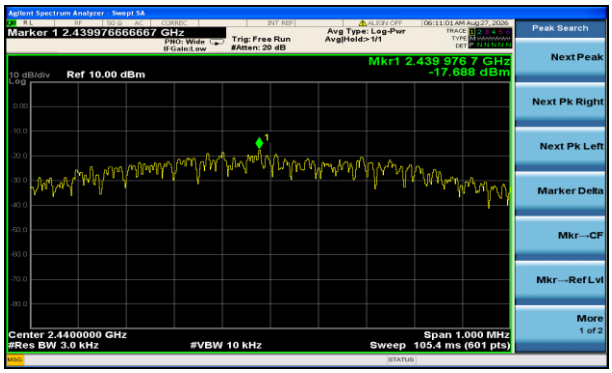
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-21.68	8	Pass
Middle Channel	-20.13	8	Pass
High Channel	-19.91	8	Pass

Test Plots

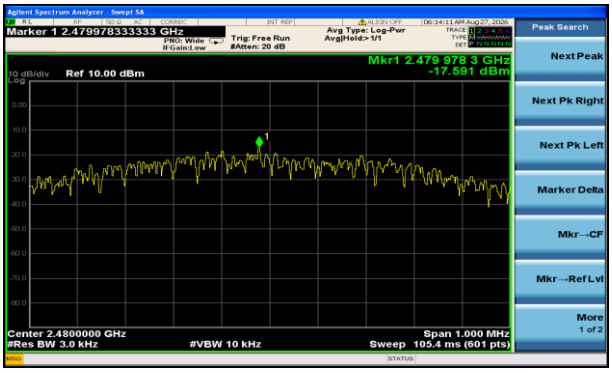
GFSK (BLE 1Mbps) LOW CHANNEL



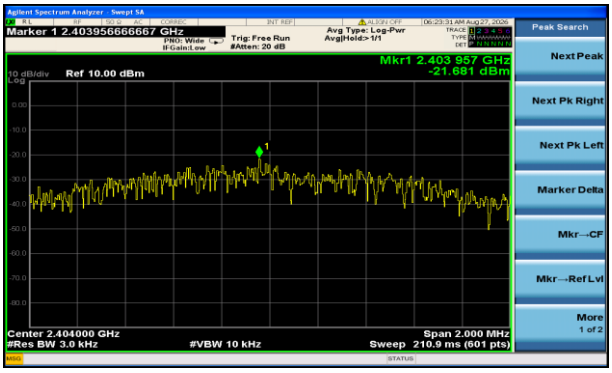
GFSK (BLE 1Mbps) MIDDLE CHANNEL



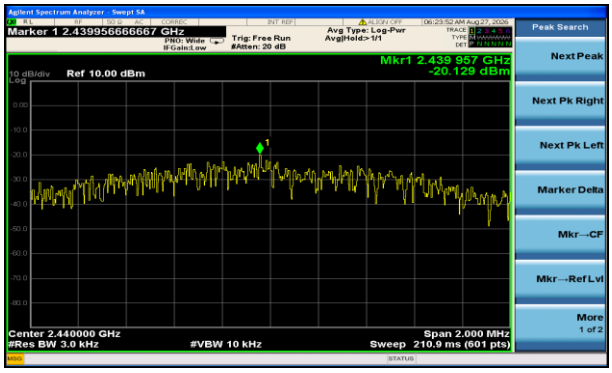
GFSK (BLE 1Mbps) HIGH CHANNEL



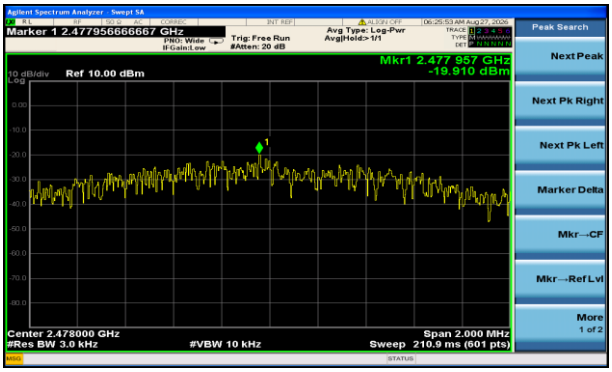
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26080629-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26080629-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26080629-AI.PDF”.

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--END OF REPORT--