



Radio Test Report

FCC ID: 2BXEN-FRAWB01**IC:35971-FRAWB01**

Report No.	:	TBR-C-202606-0467-56
Applicant	:	Zhouhai Smart (Shenzhen) Co., Ltd.
Equipment Under Test (EUT)		
EUT Name	:	Smart Watch
Model No.	:	FRA-WB01
Series Model No.	:	N/A
Brand Name	:	HONOR CHOICE
Sample ID	:	HC-C-202606-0467-01-01&HC-C-202606-0467-02-01
Receipt Date	:	2026-07-21
Test Date	:	2026-07-21 to 2026-08-05
Issue Date	:	2026-08-05
Standards	:	RSS 247 Issue 4 July 2025 RSS-Gen Issue 5 April 2018+Amendment 1(March 2019)+Amendment 2(February 2021) FCC Part 15 Subpart C 15.247
Test Method	:	KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10: 2020+Cor.1:2023+C63.10a: 2024+Errata to C63.10a: 2024
Conclusions	:	PASS
		In the configuration tested, the EUT complied with the standards specified above.
Test By	:	Kael Li
Reviewed By	:	Henry Huang
Approved By	:	Ivan Su



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

Contents

CONTENTS	2
1. GENERAL INFORMATION ABOUT EUT	5
1.1 Client Information	5
1.2 General Description of EUT (Equipment Under Test)	5
1.3 Block Diagram Showing the Configuration of System Tested	6
1.4 Description of Support Units	7
1.5 Description of Test Mode	7
1.6 Description of Test Software Setting	8
1.7 Measurement Uncertainty	8
1.8 Test Facility	9
2. TEST SUMMARY	10
3. TEST SOFTWARE	10
4. TEST EQUIPMENT AND TEST SITE	11
5. CONDUCTED EMISSION	12
5.1 Test Standard and Limit	12
5.2 Test Setup	12
5.3 Test Procedure	12
5.4 Deviation From Test Standard	13
5.5 EUT Operating Mode	13
5.6 Test Data	13
6. RADIATED AND CONDUCTED UNWANTED EMISSIONS	14
6.1 Test Standard and Limit	14
6.2 Test Setup	15
6.3 Test Procedure	16
6.4 Deviation From Test Standard	17
6.5 EUT Operating Mode	17
6.6 Test Data	17
7. RESTRICTED BANDS AND BAND EDGE REQUIREMENT	18
7.1 Test Standard and Limit	18
7.2 Test Setup	18
7.3 Test Procedure	19
7.4 Deviation From Test Standard	19
7.5 EUT Operating Mode	19
7.6 Test Data	19
8. BANDWIDTH TEST	20
8.1 Test Standard and Limit	20
8.2 Test Setup	20
8.3 Test Procedure	20
8.4 Deviation From Test Standard	21
8.5 EUT Operating Mode	21
8.6 Test Data	21



9.	PEAK OUTPUT POWER AND E.I.R.P	22
9.1	Test Standard and Limit	22
9.2	Test Setup.....	22
9.3	Test Procedure	22
9.4	Deviation From Test Standard.....	22
9.5	EUT Operating Mode	22
9.6	Test Data.....	23
10.	CONDUCTED POWER SPECTRAL DENSITY.....	24
10.1	Test Standard and Limit	24
10.2	Test Setup	24
10.3	Test Procedure	24
10.4	Deviation From Test Standard	24
10.5	Antenna Connected Construction.....	24
10.6	Test Data	25
11.	DUTY CYCLE	26
11.1	Test Standard and Limit	26
11.2	Test Setup	26
11.3	Test Procedure	26
11.4	Deviation From Test Standard	26
11.5	Antenna Connected Construction.....	26
11.6	Test Data	26
12.	ANTENNA REQUIREMENT	27
12.1	Test Standard and Limit	27
12.2	Deviation From Test Standard	27
12.3	Antenna Connected Construction.....	27
12.4	Test Data	27
	ATTACHMENT A-- CONDUCTED EMISSION TEST DATA.....	28
	ATTACHMENT B--UNWANTED EMISSIONS DATA.....	32
	ATTACHMENT C-- RESTRICTED BANDS DATA.....	54



Revision History

Report No.	Version	Description	Issued Date
TBR-C-202606-0467-56	Rev.01	Initial issue of report	2026-08-05



1. General Information about EUT

1.1 Client Information

Applicant	:	Zhouhai Smart (Shenzhen) Co., Ltd.
Address	:	Floor 5, No. 8 Cengyao Industrial Zone, Yulv Community, Yutang Sub-district, Guangming District, Shenzhen City, China
Manufacturer	:	Zhouhai Smart (Shenzhen) Co., Ltd.
Address	:	Floor 5, No. 8 Cengyao Industrial Zone, Yulv Community, Yutang Sub-district, Guangming District, Shenzhen City, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Smart Watch	
Models No./HVIN	:	FRA-WB01	
Model Different	:	N/A	
Product Description	:	Operation Frequency:	Bluetooth (BLE): 2402MHz~2480MHz
		Number of Channel:	Bluetooth (BLE): 40 channels
		Antenna Gain:	-3.57dBi FPC Antenna
		Modulation Type:	GFSK
		Bit Rate of Transmitter:	1Mbps&2Mbps
Power Rating	:	USB Input: DC 5V DC 3.87V 500mAh Rechargeable Li-ion battery (ST) DC 3.87V 500mAh Rechargeable Li-ion battery (YX)	
Software Version	:	N/A	
Hardware Version	:	V1.0	
Remark: (1)The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab. (2)The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible. (3)For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.			

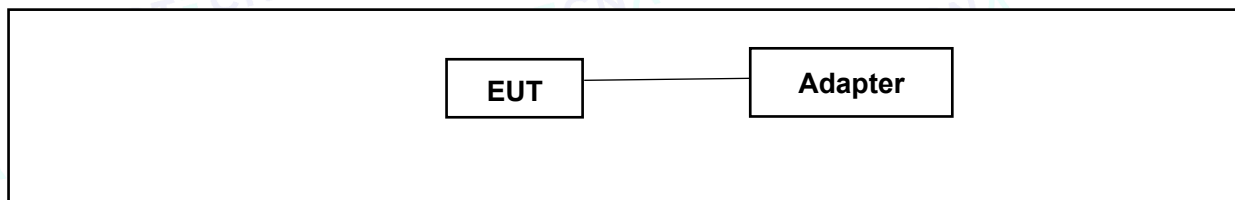


(4) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

1.3 Block Diagram Showing the Configuration of System Tested

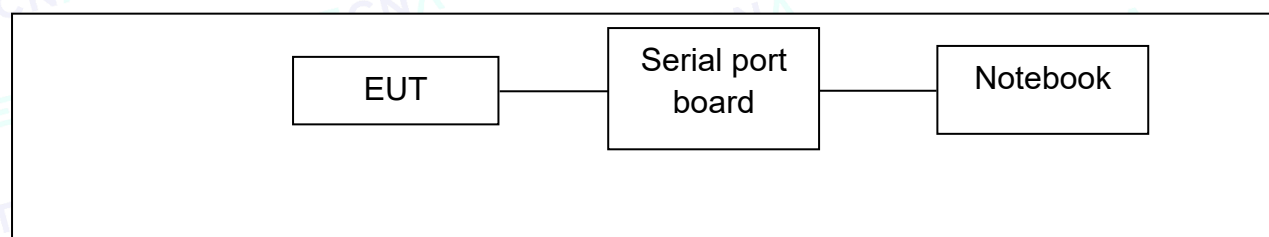
AC Power Line conducted emission



Radiated Test



Conducted Measurements Test



1.4 Description of Support Units

Equipment Information				
Name	Model	S/N	Manufacturer	Used “√”
Notebook	Inspiron 5493	----	DELL	√
Adapter	CD112	-----	UGREEN	√
Serial port board	----	----	----	√

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test(AC POWER)	
Final Test Mode	Description
Mode 1	TX 1Mbps Mode Channel 00
For Radiated and RF Conducted Test	
Final Test Mode	Description
Mode 2	TX 1Mbps Mode Channel 00
Mode 3	TX 1Mbps Mode (Channel 00/19/39)
Mode 4	TX 2Mbps Mode (Channel 00/19/39)
Note: There are two types of batteries: ST 500mAh and YX 500mAh. They have the same parameters, but they come from different manufacturers. Both have been tested for conducted emissions and radiated unwanted emissions below 1G. For radiated unwanted emissions above 1GHz and restricted bands, they have been evaluated by engineers. These two types of batteries have no impact on radio frequency signals. Only one type (ST) of battery was used in the tests.	

Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.
According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:
BLE Mode: GFSK Modulation Transmitting mode.
- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a Mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



1.6 Description of Test Software Setting

During testing channel & 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 parameters of RF setting.

Test Software Version	BT_Tool		
Frequency	2402 MHz	2440MHz	2480 MHz
BLE 1M	5	5	5
BLE 2M	5	5	5

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	± 3.50 dB ± 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	± 4.20 dB
RF Power-Conducted	---	± 0.95 dB
Power Spectral Density-Conducted	---	± 3 dB
Occupied Bandwidth	---	$\pm 3.8\%$
Unwanted Emission-Conducted	---	± 2.72 dB
Temperature	---	$\pm 0.6^{\circ}\text{C}$
Humidity	---	$\pm 4\%$
Supply voltages	---	$\pm 2\%$



1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



2. Test Summary

Standard Section		Test Item	Test Sample(s)	Judgment	Remark
FCC	IC				
FCC 15.207(a)	RSS-Gen 8.8	Conducted Emission	HC-C-202606-0467-02-01	PASS	N/A
FCC 15.209 & 15.247(d)	RSS-Gen 8.9 RSS 247 6.6	Radiated Unwanted Emissions	HC-C-202606-0467-02-01	PASS	N/A
FCC 15.203	RSS-Gen 6.8	Antenna Requirement	HC-C-202606-0467-01-01	PASS	N/A
FCC 15.247(a)(2)	RSS-247 6.3.1(a)	6dB Bandwidth	HC-C-202606-0467-01-01	PASS	N/A
/	RSS-Gen 6.7	99% Occupied bandwidth	HC-C-202606-0467-01-01	PASS	N/A
FCC 15.247(b)(3)	RSS-247 6.3.2	Peak Output Power and E.I.R.P	HC-C-202606-0467-01-01	PASS	N/A
FCC 15.247(e)	RSS-247 6.3.1(b)	Power Spectral Density	HC-C-202606-0467-01-01	PASS	N/A
FCC 15.247(d)	RSS-Gen 8.10 RSS-247 6.6	Band Edge Measurements	HC-C-202606-0467-01-01	PASS	N/A
FCC 15.207(a)	RSS-Gen 8.9 RSS 247 6.6	Conducted Unwanted Emissions	HC-C-202606-0467-02-01	PASS	N/A
FCC 15.247(d)	RSS-Gen 8.10 RSS-247 6.6	Emissions in Restricted Bands	HC-C-202606-0467-02-01	PASS	N/A
/	/	On Time and Duty Cycle	HC-C-202606-0467-01-01	/	N/A

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Radiation Emission	EZ-EMC	EZ	Ver.GARAD-3A1.1+
Radiation Emission	EZ-EMC	EZ	Ver.GARAD-3A1.1+
Radiation Emission	TS+	Tonscend	5.0.5
RF Conducted Measurement	MTS-8310	MWRFTtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V3.6.21



4. Test Equipment and Test Site

Test Site				
No.	Test Site	Manufacturer	Specification	Used
TB-EMCSR001	Shielding Chamber #1	YIHENG	7.5*4.0*3.0 (m)	√
TB-EMCSR002	Shielding Chamber #2	YIHENG	8.0*4.0*3.0 (m)	X
TB-EMCCA001	3m Anechoic Chamber #A	ETS	9.0*6.0*6.0 (m)	X
TB-EMCCB002	3m Anechoic Chamber #B	YIHENG	9.0*6.0*6.0 (m)	√

Conducted Emission Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	May. 15, 2026	May. 14, 2027
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	May. 15, 2026	May. 14, 2027
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	May. 15, 2026	May. 14, 2027
LISN	Rohde & Schwarz	ENV216	101131	May. 15, 2026	May. 14, 2027

Radiation Emission Test(B Site)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 27, 2025	Aug. 26, 2026
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	May. 15, 2026	May. 14, 2027
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Jan. 30, 2026	Jan. 29, 2027
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Oct. 18, 2025	Oct. 17, 2027
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	May. 15, 2026	May. 14, 2027
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Jan. 31, 2026	Jan. 30, 2028
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	May. 15, 2026	May. 14, 2027
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 27, 2025	Aug. 26, 2026
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 27, 2025	Aug. 26, 2026
Pre-amplifier	HP	8449B	3008A00849	Feb. 02, 2026	Feb.01, 2027
Highpass Filter	CD	HPM-6.4/18G	---	N/A	N/A
Highpass Filter	CD	HPM-2.8/18G	---	N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A

Antenna Conducted Emission

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	May. 15, 2026	May. 14, 2027
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110172	Aug. 27, 2025	Aug. 26, 2026
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Aug. 27, 2025	Aug. 26, 2026
Vector Signal Generator	Agilent	N5182A	MY50141294	Aug. 27, 2025	Aug. 26, 2026
Analog Signal Generator	Agilent	N5181A	MY48180463	Aug. 27, 2025	Aug. 26, 2026
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Aug. 27, 2025	Aug. 26, 2026
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Aug. 27, 2025	Aug. 26, 2026
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 27, 2025	Aug. 26, 2026
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3 006W	17I00015SNO26	Aug. 27, 2025	Aug. 26, 2026
			17I00015SNO29	Aug. 27, 2025	Aug. 26, 2026
			17I00015SNO31	Aug. 27, 2025	Aug. 26, 2026
			17I00015SNO33	Aug. 27, 2025	Aug. 26, 2026



5. Conducted Emission

5.1 Test Standard and Limit

5.1.1 Test Standard

RSS-Gen 8.8

FCC Part 15.207

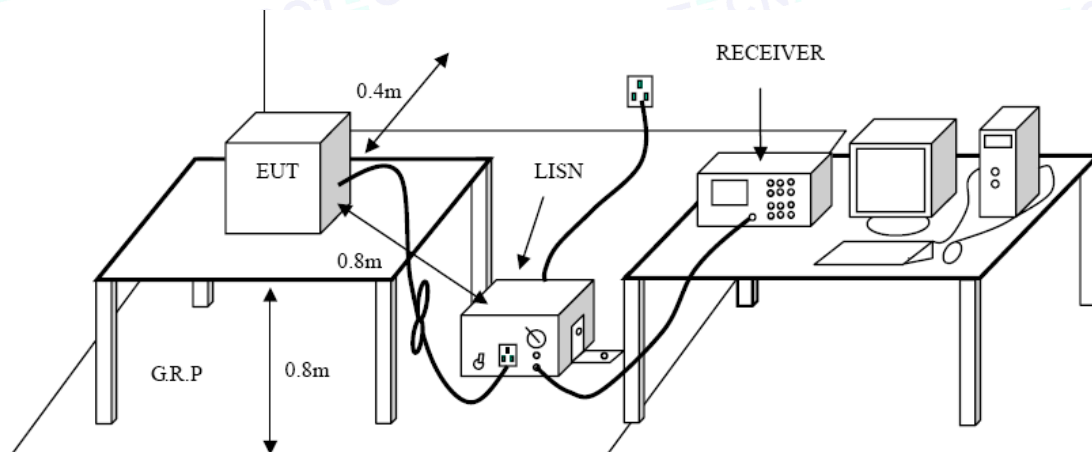
5.1.2 Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



5.3 Test Procedure

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.



5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A inside test report.



6. Radiated and Conducted Unwanted Emissions

6.1 Test Standard and Limit

6.1.1 Test Standard

RSS-Gen 8.9 & RSS 247 6.6

FCC Part 15.209 & FCC Part 15.247(d)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz			
Frequency (MHz)	Field Strength (μA/m)*	Field Strength (microvolt/meter)**	Measurement Distance (meters)
0.009~0.490	6.37/F (F in kHz)	2400/F(KHz)	300
0.490~1.705	63.7/F (F in kHz)	24000/F(KHz)	30
1.705~30.0	0.08	30	30

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.
2, *is for RSS Standard, **is for FCC Standard.

General field strength limits at frequencies above 30 MHz		
Frequency (MHz)	Field strength (μV/m at 3 m)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

General field strength limits at frequencies Above 1000MHz		
Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

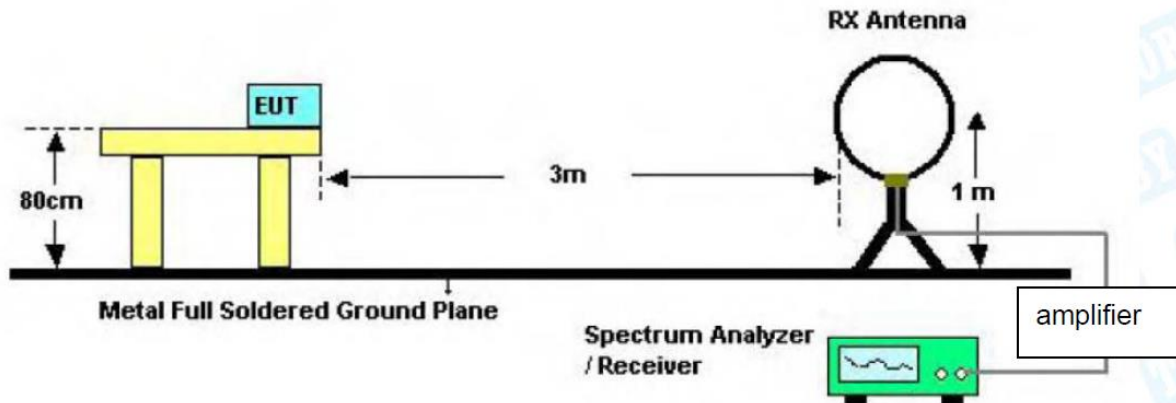
Note:
(1) The tighter limit applies at the band edges.
(2) Emission Level(dBuV/m)=20log Emission Level(μV/m)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system 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 root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

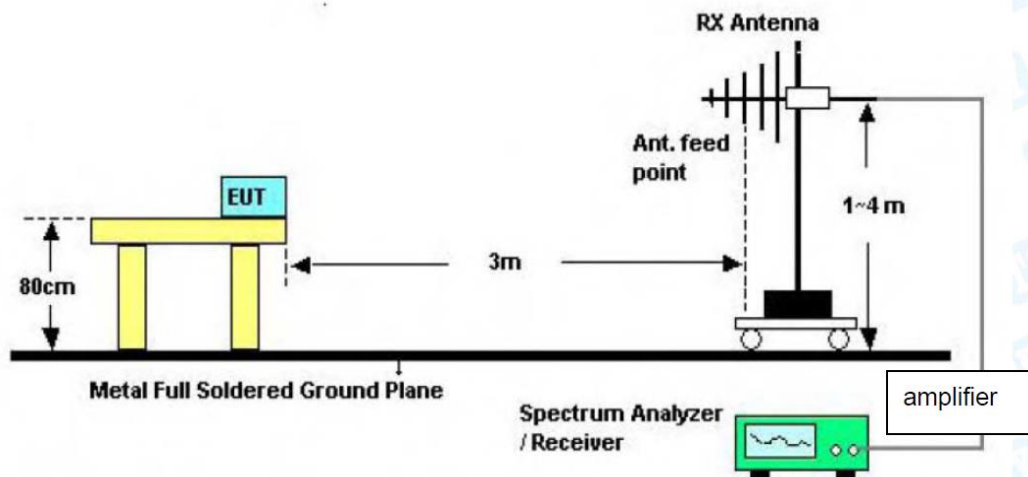


6.2 Test Setup

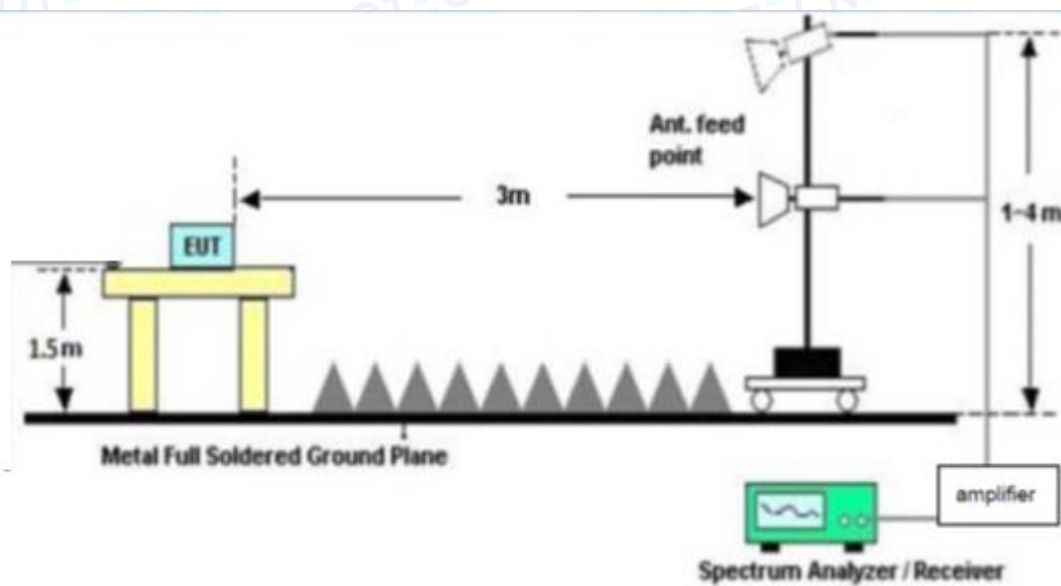
Radiated measurement



Below 30MHz Test Setup



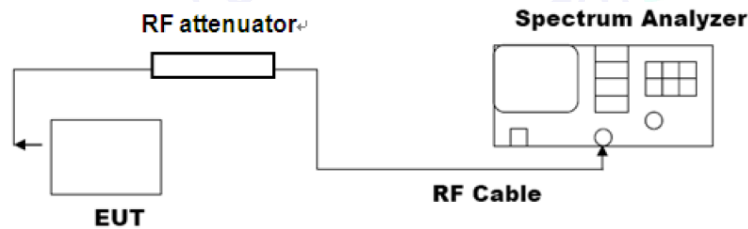
Below 1000MHz Test Setup



Above 1GHz Test Setup



Conducted measurement



6.3 Test Procedure

---Radiated measurement

● The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.

● Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

● The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

● The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

● If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

● Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.

● Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=3 MHz with Peak Detector for Average Values.

● For the actual test configuration, please see the test setup photo.

--- Conducted measurement

●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 $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

●Emission level measurement

Establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.



- f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) 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) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report.

Conducted measurement please refer to the external appendix report of BLE.



7. Restricted Bands and Band Edge Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

RSS-Gen 8.10 & RSS 247 6.6

FCC Part 15.205 & FCC Part 15.247(d)

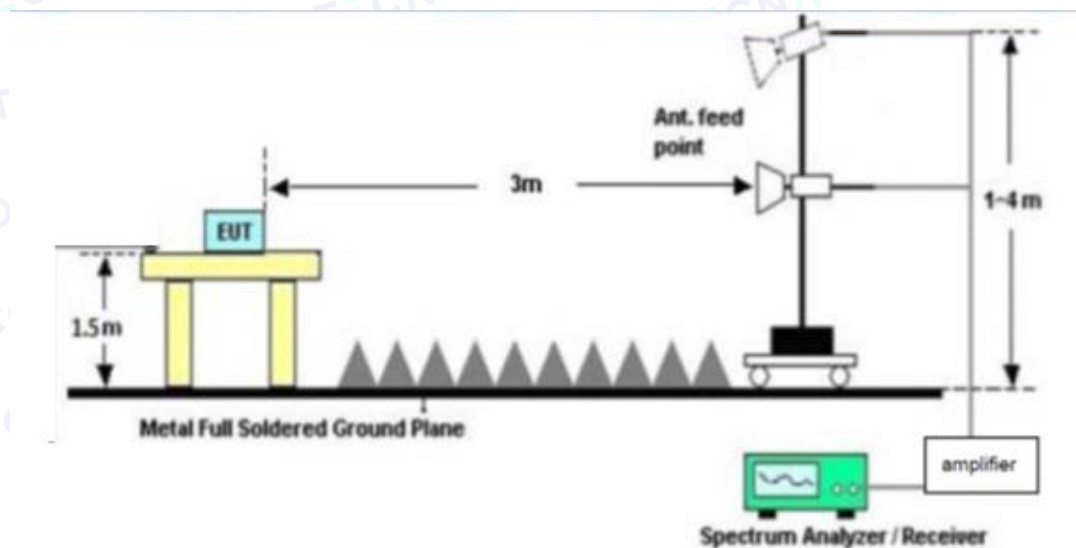
7.1.2 Test Limit

Restricted Frequency Band (MHz)	Distance Meters(at 3m)	
	Peak (dBuV/m)	Average (dBuV/m)
2310 ~2390	74	54
2483.5 ~2500	74	54
	Peak (dBm) _{see 7.3 e)}	Average (dBm) _{see 7.3 e)}
2310 ~2390	-21.20	-41.20
2483.5 ~2500	-21.20	-41.20

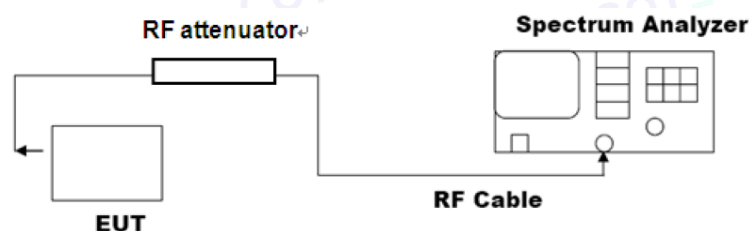
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case emissions is required.

7.2 Test Setup

Radiated measurement



Conducted measurement



7.3 Test Procedure

---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- The Peak Value and average value both need to comply with applicable limit above 1 GHz.

- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=3 MHz with Peak Detector for Average Values.

- For the actual test configuration, please see the test setup photo.

--- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for 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 (see 11.12.2.6 for guidance on determining the applicable antenna gain).

- c) Add the appropriate maximum ground reflection factor to the EIRP (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 MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).

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

$$E = \text{EIRP} - 20 \log d + 104.8$$

where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

- f) Compare the resultant electric field strength level with the applicable regulatory limit.

- g) Perform the radiated spurious emission test.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

Please refer to the description of test mode.

7.6 Test Data

Please refer to the Attachment C inside test report.



8. Bandwidth Test

8.1 Test Standard and Limit

8.1.1 Test Standard

RSS-Gen 6.7 & RSS 247 6.3.1(a)

FCC Part 15.205 & FCC Part 15.247(d)

8.1.2 Test Limit

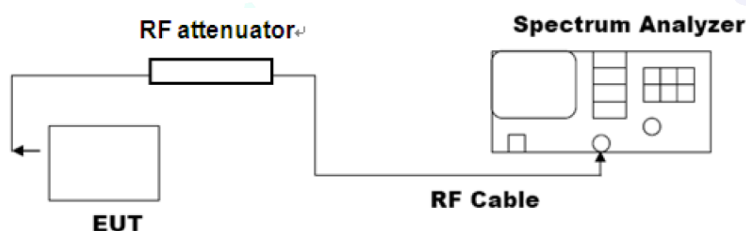
FCC Limit:

Test Item	Limit	Frequency Range(MHz)
-6dB bandwidth (DTS bandwidth)	≥ 500 KHz	2400~2483.5
99% occupied bandwidth	/	2400~2483.5

IC Limit:

The minimum 6 dB bandwidth shall be 500 kHz.

8.2 Test Setup



8.3 Test Procedure

---DTS bandwidth

● The steps for the first option are as follows:

- Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- 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 by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value..

---occupied bandwidth

● 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. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.



- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the external appendix report of BLE.



9. Peak Output Power and E.I.R.P

9.1 Test Standard and Limit

9.1.1 Test Standard

RSS 247 6.3.2

FCC Part 15.247(b)(3)

9.1.2 Test Limit

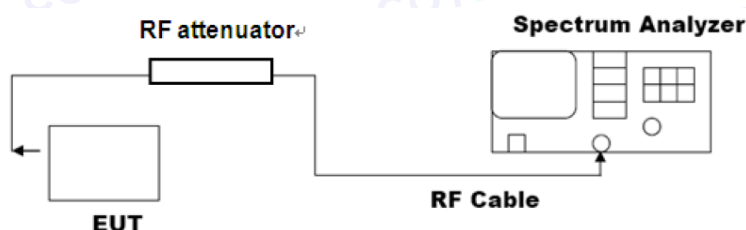
FCC Limit:

Test Item	Limit	Frequency Range(MHz)
Peak Output Power	not exceed 1 W or 30dBm	2400~2483.5

IC Limit:

For DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W(30dBm), and the e.i.r.p. shall not exceed 4 W(36dBm).

9.2 Test Setup



9.3 Test Procedure

---RBW≥DTS bandwidth

- The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:
 - Set the RBW≥DTS bandwidth.
 - Set VBW≥[3*RBW].
 - Set span≥[3*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.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.



9.6 Test Data

Please refer to the external appendix report of BLE.



10. Conducted Power Spectral Density

10.1 Test Standard and Limit

10.1.1 Test Standard

RSS 247 6.3.1(b)

FCC Part 15.247(e)

10.1.2 Test Limit

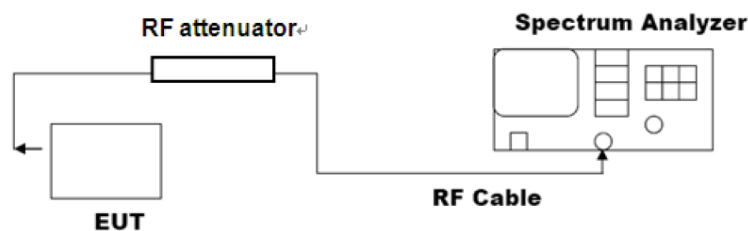
FCC Limit:

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

IC Limit:

The transmitter power spectral density conducted from the transmitter to the antenna(s) shall not be greater than 8 dBm/3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 6.3.2 The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.

10.2 Test Setup



10.3 Test Procedure

● The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- 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 requirement, then reduce RBW (but no less than 3 kHz) and repeat.

10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.



10.6 Test Data

Please refer to the external appendix report of BLE.



11. Duty cycle

11.1 Test Standard and Limit

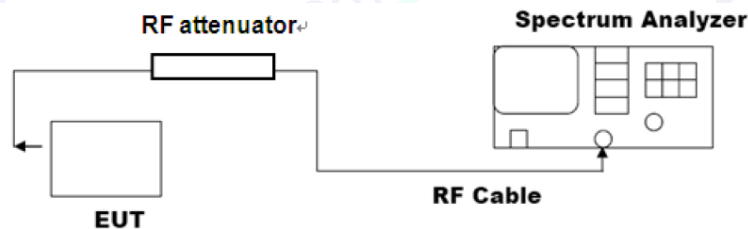
11.1.1 Test Standard

/

11.1.2 Test Limit

/

11.2 Test Setup



11.3 Test Procedure

● Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

a) 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:

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

2) Set RBW ≥ 8 MHz if possible; otherwise, set RBW to the largest available value.

3) Set VBW ≥ 8 MHz. Set detector = peak or average.

4) The zero-span 0 MHz measurement method shall not be used unless both RBW and VBW are $> 1/T$

and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or

RBW are limited to 8 MHz,

11.4 Deviation From Test Standard

No deviation

11.5 Antenna Connected Construction

Please refer to the description of test mode.

11.6 Test Data

Please refer to the external appendix report of BLE.



12. Antenna Requirement

12.1 Test Standard and Limit

12.1.1 Test Standard

RSS Gen 6.8

FCC Part 15.203

12.1.2 Requirement (RSS-Gen 6.8)

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain off each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

12.1.2 Requirement (FCC Part 15.203)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

12.2 Deviation From Test Standard

No deviation

12.3 Antenna Connected Construction

The gains of the antenna used for transmitting is -3.57dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

12.4 Test Data

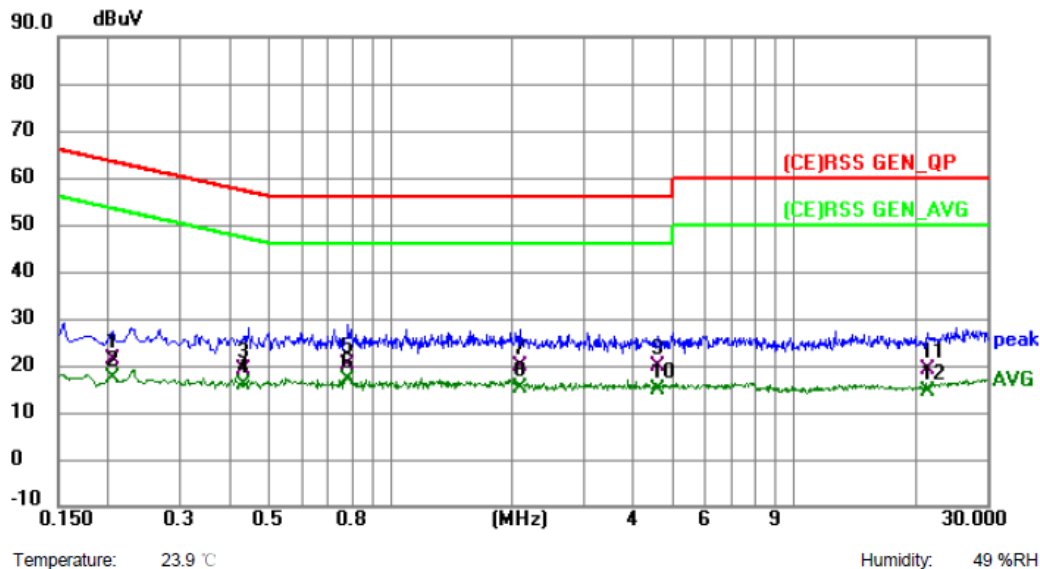
The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type
☒ Permanent attached antenna
☐ Unique connector antenna
☐ Professional installation antenna



Attachment A-- Conducted Emission Test Data

Test Voltage:	AC 120V/60Hz
Terminal:	Line
Test Mode:	Mode 1 ST
Remark:	Only worse case is reported.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.204	11.42	9.74	21.16	63.45	-42.29	QP
2		0.204	7.54	9.74	17.28	53.45	-36.17	AVG
3		0.433	9.32	9.82	19.14	57.19	-38.05	QP
4		0.433	5.95	9.82	15.77	47.19	-31.42	AVG
5		0.784	10.51	9.83	20.34	56.00	-35.66	QP
6	*	0.784	7.20	9.83	17.03	46.00	-28.97	AVG
7		2.094	10.13	9.83	19.96	56.00	-36.04	QP
8		2.094	5.45	9.83	15.28	46.00	-30.72	AVG
9		4.601	9.91	9.76	19.67	56.00	-36.33	QP
10		4.601	5.18	9.76	14.94	46.00	-31.06	AVG
11		21.480	8.75	10.43	19.18	60.00	-40.82	QP
12		21.480	4.15	10.43	14.58	50.00	-35.42	AVG

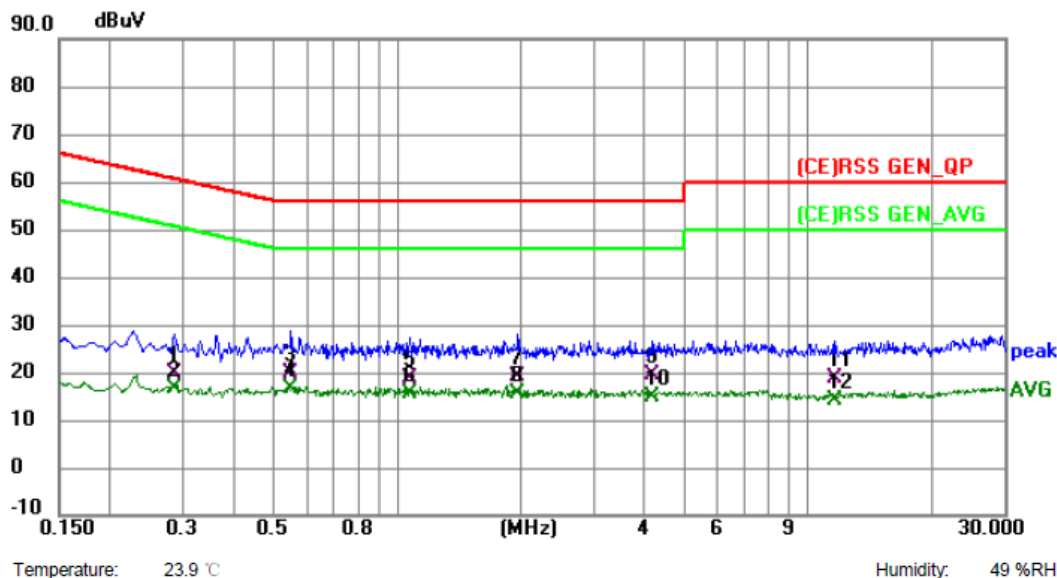
Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = QuasiPeak/Average (dBuV) - Limit (dBuV)



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Test Mode:	Mode 1 ST
Remark:	Only worse case is reported.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.285	10.08	9.75	19.83	60.67	-40.84	QP
2		0.285	6.82	9.75	16.57	50.67	-34.10	AVG
3		0.550	10.14	9.73	19.87	56.00	-36.13	QP
4	*	0.550	6.77	9.73	16.50	46.00	-29.50	AVG
5		1.073	8.90	9.80	18.70	56.00	-37.30	QP
6		1.073	5.75	9.80	15.55	46.00	-30.45	AVG
7		1.968	9.15	9.78	18.93	56.00	-37.07	QP
8		1.968	5.89	9.78	15.67	46.00	-30.33	AVG
9		4.196	9.92	9.72	19.64	56.00	-36.36	QP
10		4.196	5.18	9.72	14.90	46.00	-31.10	AVG
11		11.625	8.92	9.84	18.76	60.00	-41.24	QP
12		11.625	4.35	9.84	14.19	50.00	-35.81	AVG

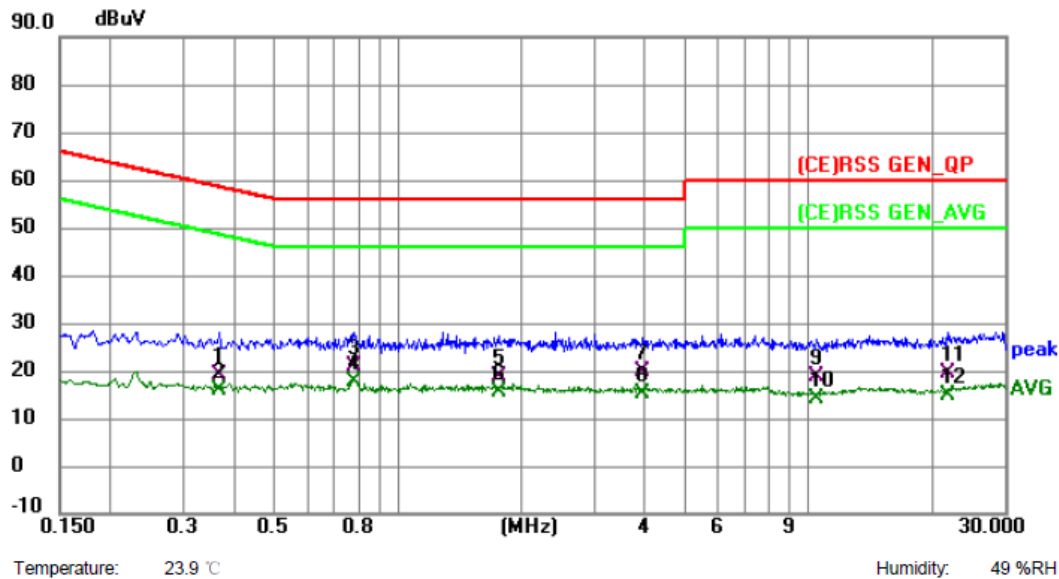
Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = QuasiPeak/Average (dBuV) - Limit (dBuV)



Test Voltage:	AC 120V/60Hz
Terminal:	Line
Test Mode:	Mode 1 YX
Remark:	Only worse case is reported.



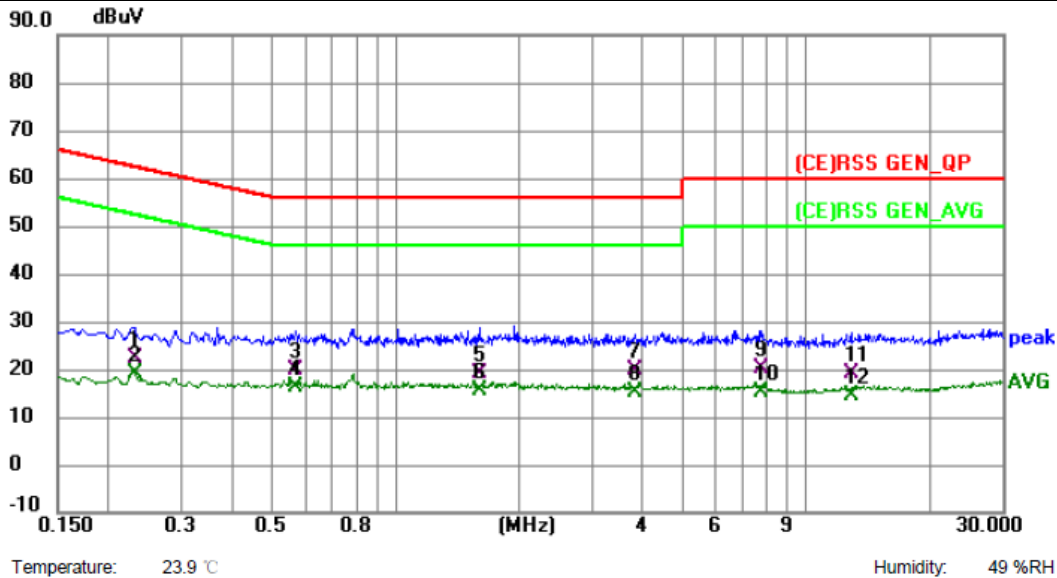
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
		MHz	Level	Factor	ment		
			dBuV	dB	dBuV	dBuV	dB Detector
1		0.366	9.32	9.81	19.13	58.59	-39.46 QP
2		0.366	6.11	9.81	15.92	48.59	-32.67 AVG
3		0.780	11.17	9.83	21.00	56.00	-35.00 QP
4	*	0.780	7.68	9.83	17.51	46.00	-28.49 AVG
5		1.761	8.83	9.83	18.66	56.00	-37.34 QP
6		1.761	5.88	9.83	15.71	46.00	-30.29 AVG
7		3.957	9.92	9.81	19.73	56.00	-36.27 QP
8		3.957	5.25	9.81	15.06	46.00	-30.94 AVG
9		10.500	8.79	9.82	18.61	60.00	-41.39 QP
10		10.500	4.25	9.82	14.07	50.00	-35.93 AVG
11		21.736	8.82	10.51	19.33	60.00	-40.67 QP
12		21.736	4.18	10.51	14.69	50.00	-35.31 AVG

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = QuasiPeak/Average (dBuV) - Limit (dBuV)



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Test Mode:	Mode 1 YX
Remark:	Only worse case is reported.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.231	12.48	9.78	22.26	62.41	-40.15	QP
2		0.231	9.17	9.78	18.95	52.41	-33.46	AVG
3		0.569	9.93	9.76	19.69	56.00	-36.31	QP
4	*	0.569	6.54	9.76	16.30	46.00	-29.70	AVG
5		1.595	9.16	9.83	18.99	56.00	-37.01	QP
6		1.595	5.88	9.83	15.71	46.00	-30.29	AVG
7		3.826	10.11	9.80	19.91	56.00	-36.09	QP
8		3.826	5.23	9.80	15.03	46.00	-30.97	AVG
9		7.809	10.27	9.79	20.06	60.00	-39.94	QP
10		7.809	5.52	9.79	15.31	50.00	-34.69	AVG
11		12.890	9.23	9.95	19.18	60.00	-40.82	QP
12		12.890	4.58	9.95	14.53	50.00	-35.47	AVG

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

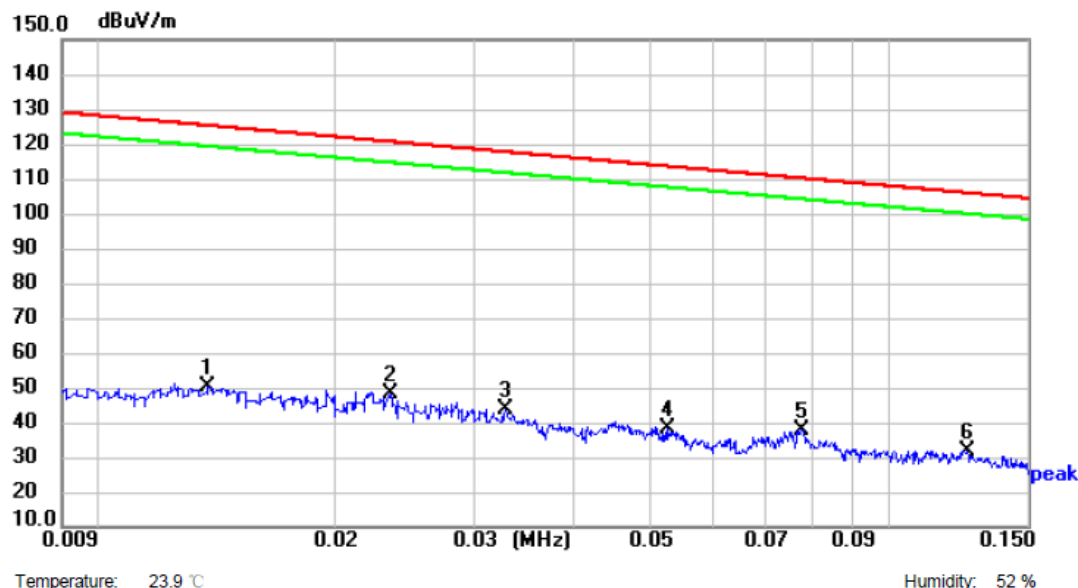
2. Margin (dB) = QuasiPeak/Average (dBuV) - Limit (dBuV)



Attachment B--Unwanted Emissions Data

---Radiated Unwanted Emissions
9 KHz~30 MHz

Test Voltage:	DC 3.87V
Test Mode:	Mode 2 ST
Remark:	Only worse case is reported.



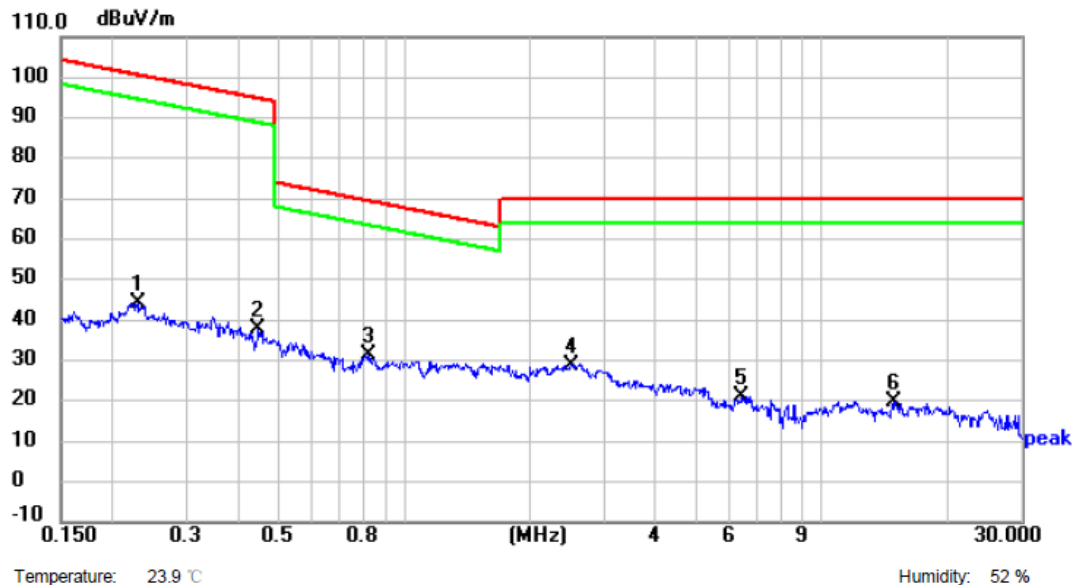
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0137	73.48	-23.15	50.33	125.32	-74.99	peak	Pass
2	0.0234	71.63	-23.29	48.34	120.63	-72.29	peak	Pass
3	0.0328	67.15	-23.37	43.78	117.68	-73.90	peak	Pass
4	0.0524	61.64	-23.19	38.45	113.57	-75.12	peak	Pass
5 *	0.0776	60.95	-22.96	37.99	110.14	-72.15	peak	Pass
6	0.1259	54.75	-22.75	32.00	105.90	-73.90	peak	Pass

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)



Test Voltage:	DC 3.87V
Test Mode:	Mode 2 ST
Remark:	Only worse case is reported.



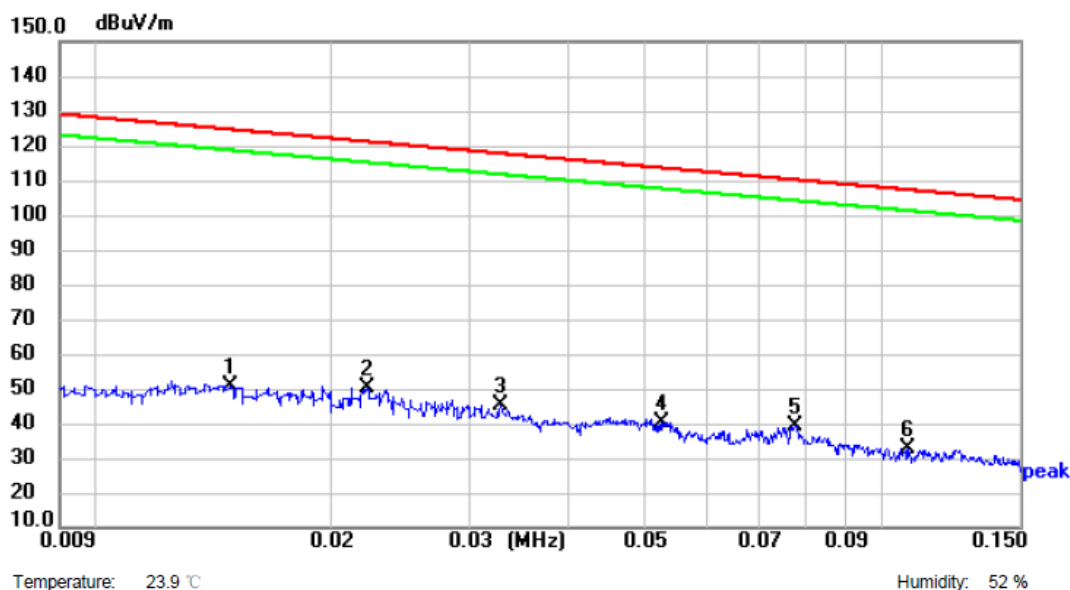
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.2280	67.56	-23.37	44.19	100.70	-56.51	peak	Pass
2	0.4444	61.60	-23.75	37.85	94.86	-57.01	peak	Pass
3 *	0.8215	54.89	-23.32	31.57	69.44	-37.87	peak	Pass
4	2.5131	51.30	-22.30	29.00	70.00	-41.00	peak	Pass
5	6.4198	43.14	-22.09	21.05	70.00	-48.95	peak	Pass
6	14.9068	42.30	-22.32	19.98	70.00	-50.02	peak	Pass

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = QuasiPeak (dBuV/m)-Limit QPK(dBuV/m)



Test Voltage:	DC 3.87V
Test Mode:	Mode 2 YX
Remark:	Only worse case is reported.



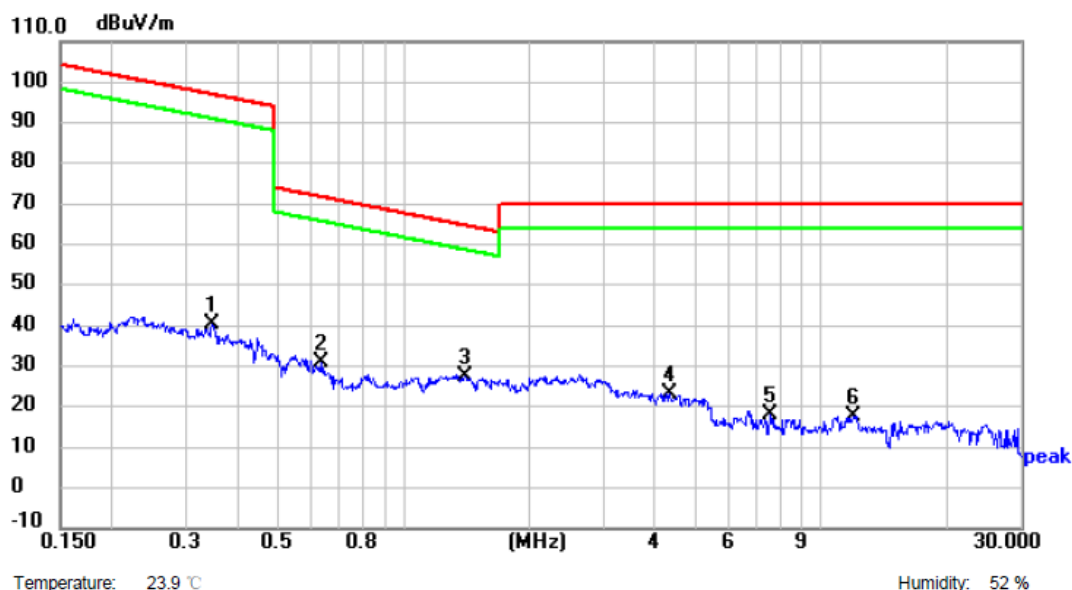
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0148	73.74	-23.17	50.57	124.64	-74.07	peak	Pass
2	0.0221	73.64	-23.26	50.38	121.13	-70.75	peak	Pass
3	0.0328	68.65	-23.37	45.28	117.68	-72.40	peak	Pass
4	0.0524	63.64	-23.19	40.45	113.57	-73.12	peak	Pass
5 *	0.0776	62.45	-22.96	39.49	110.14	-70.65	peak	Pass
6	0.1082	55.48	-22.88	32.60	107.23	-74.63	peak	Pass

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)



Test Voltage:	DC 3.87V
Test Mode:	Mode 2 YX
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.3462	63.97	-23.70	40.27	97.04	-56.77	peak	Pass
2	0.6300	54.67	-23.73	30.94	71.78	-40.84	peak	Pass
3 *	1.4032	50.19	-22.63	27.56	64.72	-37.16	peak	Pass
4	4.3375	45.10	-22.02	23.08	70.00	-46.92	peak	Pass
5	7.5655	40.28	-22.06	18.22	70.00	-51.78	peak	Pass
6	11.8696	39.82	-22.07	17.75	70.00	-52.25	peak	Pass

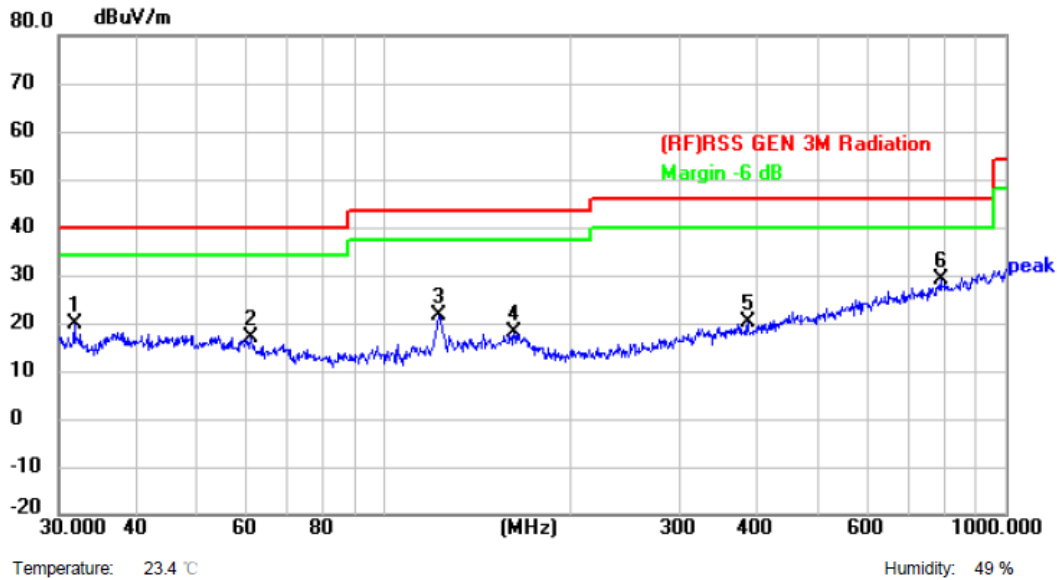
Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = QuasiPeak (dBuV/m)-Limit QPK(dBuV/m)



30MHz~1GHz

Test Voltage:	DC 3.87V
Ant. Pol.	Horizontal
Test Mode:	Mode 2 ST
Remark:	Only worse case is reported.



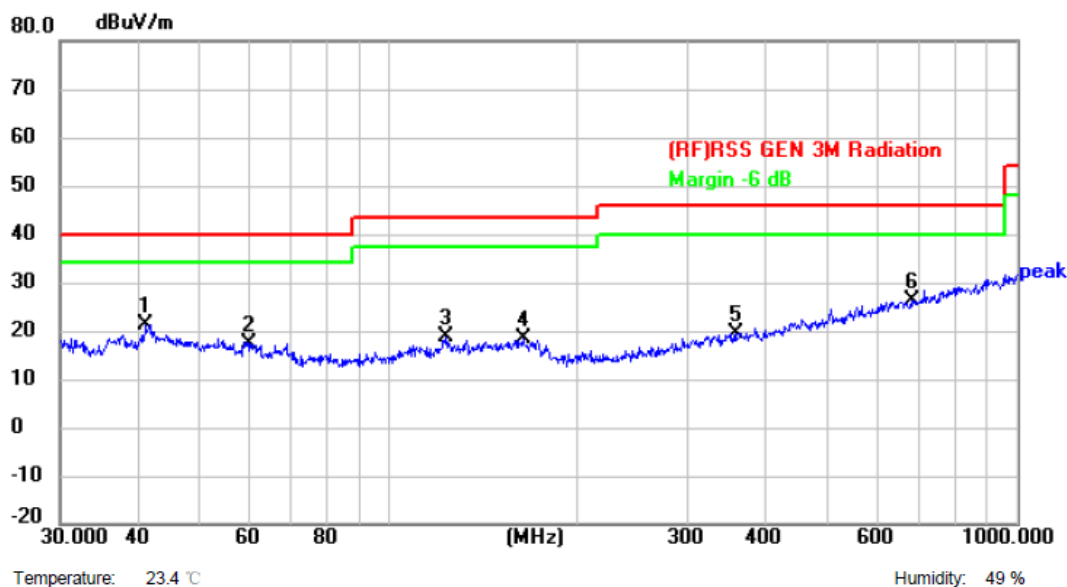
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	31.8427	42.98	-23.32	19.66	40.00	-20.34	peak	Pass
2	61.1316	40.72	-23.87	16.85	40.00	-23.15	peak	Pass
3	122.4040	44.44	-22.90	21.54	43.50	-21.96	peak	Pass
4	162.0414	39.48	-21.31	18.17	43.50	-25.33	peak	Pass
5	385.2805	39.73	-19.48	20.25	46.00	-25.75	peak	Pass
6 *	787.8513	39.32	-10.32	29.00	46.00	-17.00	peak	Pass

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = QuasiPeak (dBuV/m)-Limit QPK(dBuV/m)



Test Voltage:	DC 3.87V
Ant. Pol.	Vertical
Test Mode:	Mode 2 ST
Remark:	Only worse case is reported.



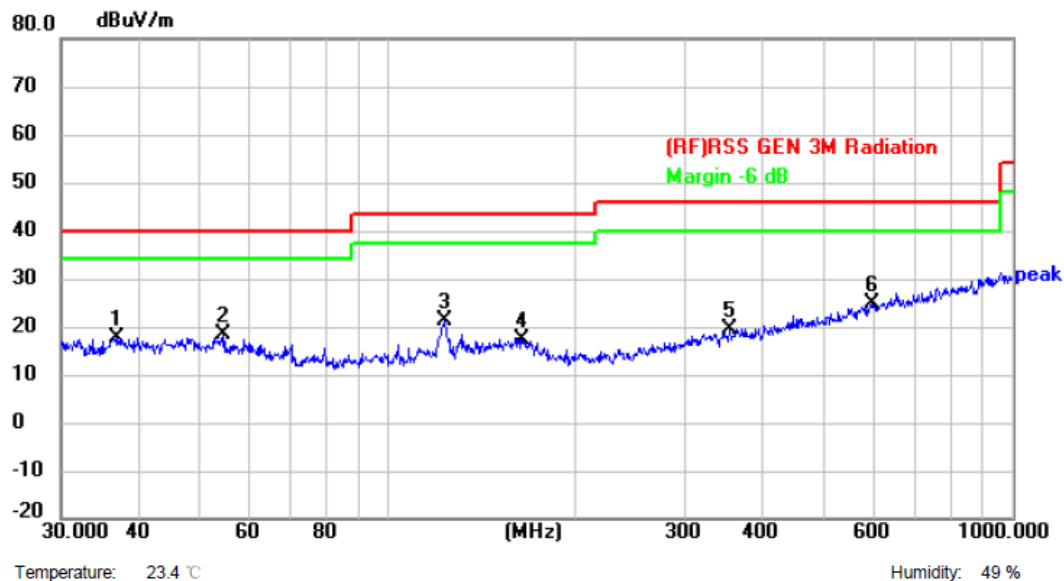
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	41.1320	44.05	-22.65	21.40	40.00	-18.60	peak	Pass
2	60.0691	40.78	-23.37	17.41	40.00	-22.59	peak	Pass
3	123.6985	41.89	-23.06	18.83	43.50	-24.67	peak	Pass
4	163.7550	39.62	-21.38	18.24	43.50	-25.26	peak	Pass
5	356.6758	39.41	-19.84	19.57	46.00	-26.43	peak	Pass
6	679.9600	38.50	-12.17	26.33	46.00	-19.67	peak	Pass

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)



Test Voltage:	DC 3.87V
Ant. Pol.	Horizontal
Test Mode:	Mode 2 YX
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	36.8952	40.08	-22.45	17.63	40.00	-22.37	peak	Pass
2	54.6428	41.60	-23.38	18.22	40.00	-21.78	peak	Pass
3	123.2653	44.25	-22.85	21.40	43.50	-22.10	peak	Pass
4	164.3301	38.64	-21.36	17.28	43.50	-26.22	peak	Pass
5	352.9433	39.61	-20.15	19.46	46.00	-26.54	peak	Pass
6 *	595.1327	38.54	-13.79	24.75	46.00	-21.25	peak	Pass

Remark:

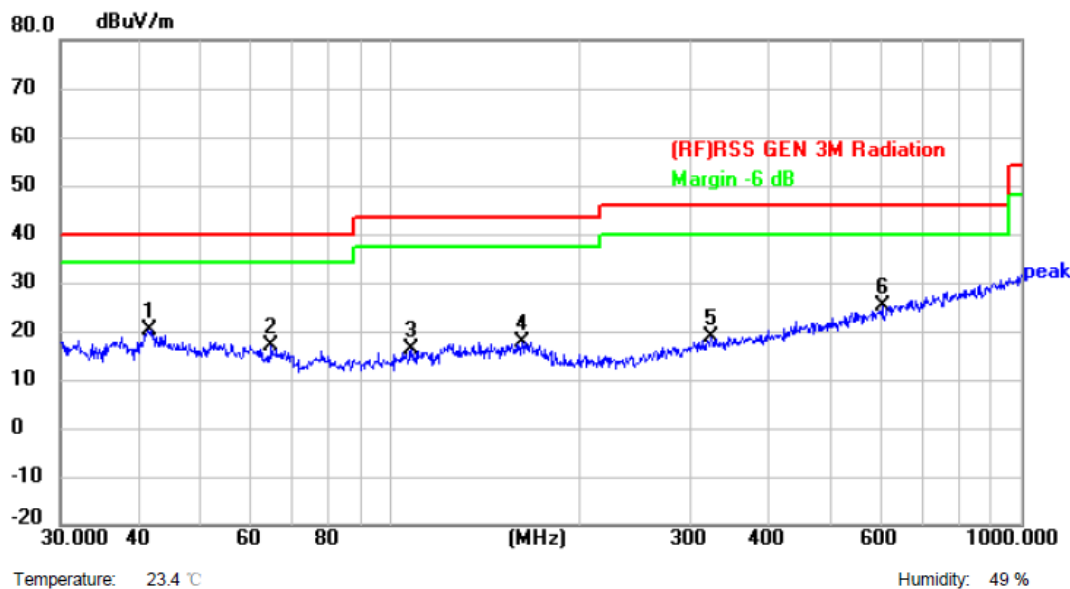
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)

2. QuasiPeak (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)

3. Margin (dB) = QuasiPeak (dBuV/m)-Limit QPK(dBuV/m)



Test Voltage:	DC 3.87V
Ant. Pol.	Vertical
Test Mode:	Mode 2 YX
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	41.7129	43.45	-23.15	20.30	40.00	-19.70	peak	Pass
2	64.8865	41.76	-24.85	16.91	40.00	-23.09	peak	Pass
3	108.2667	41.01	-24.78	16.23	43.50	-27.27	peak	Pass
4	162.0414	38.95	-21.31	17.64	43.50	-25.86	peak	Pass
5	323.3204	39.43	-20.59	18.84	46.00	-27.16	peak	Pass
6	603.5392	39.63	-14.49	25.14	46.00	-20.86	peak	Pass

Remark:

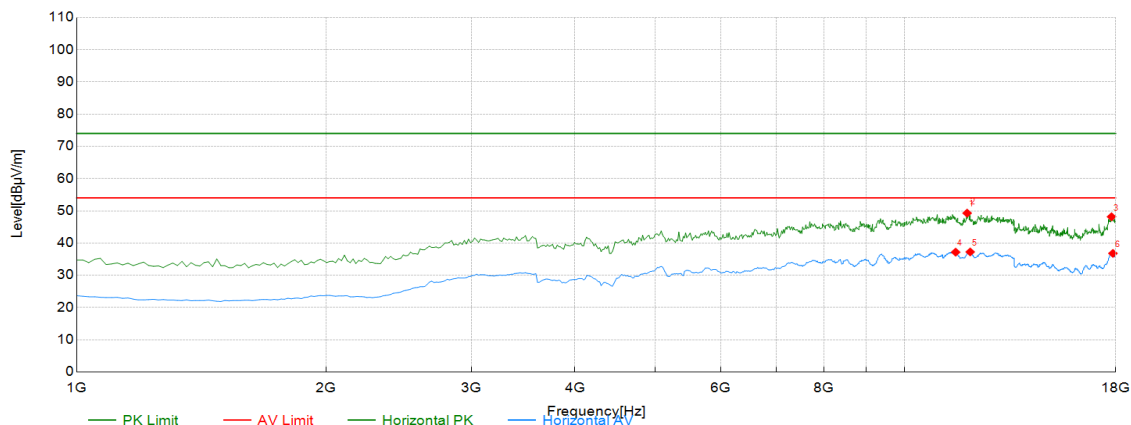
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)+AMP(dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)



Above 1GHz

Test Mode:	BLE 1M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	11907.91	42.05	7.23	49.28	74.00	24.72	PK	Horizontal	PASS
2	11958.96	42.47	7.54	50.01	74.00	23.99	PK	Horizontal	PASS
3	17795.80	39.28	8.87	48.15	74.00	25.85	PK	Horizontal	PASS
4	11533.53	30.70	6.47	37.17	54.00	16.83	AV	Horizontal	PASS
5	12010.01	29.49	7.75	37.24	54.00	16.76	AV	Horizontal	PASS
6	17863.86	27.33	9.45	36.78	54.00	17.22	AV	Horizontal	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

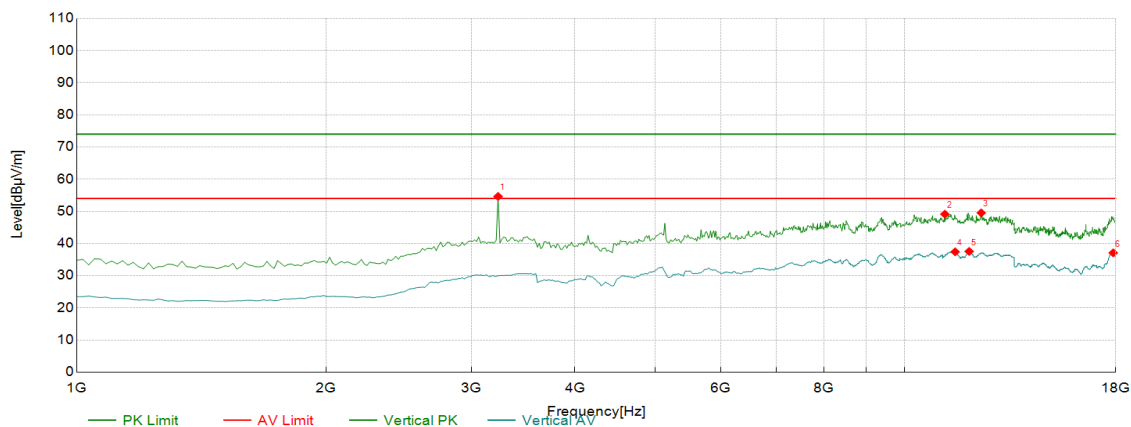
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE 1M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	3229.23	67.45	-12.83	54.62	74.00	19.38	PK	Vertical	PASS
2	11193.19	43.60	5.52	49.12	74.00	24.88	PK	Vertical	PASS
3	12384.38	42.46	7.07	49.53	74.00	24.47	PK	Vertical	PASS
4	11516.52	30.94	6.47	37.41	54.00	16.59	AV	Vertical	PASS
5	11975.98	29.91	7.63	37.54	54.00	16.46	AV	Vertical	PASS
6	17880.88	27.50	9.59	37.09	54.00	16.91	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

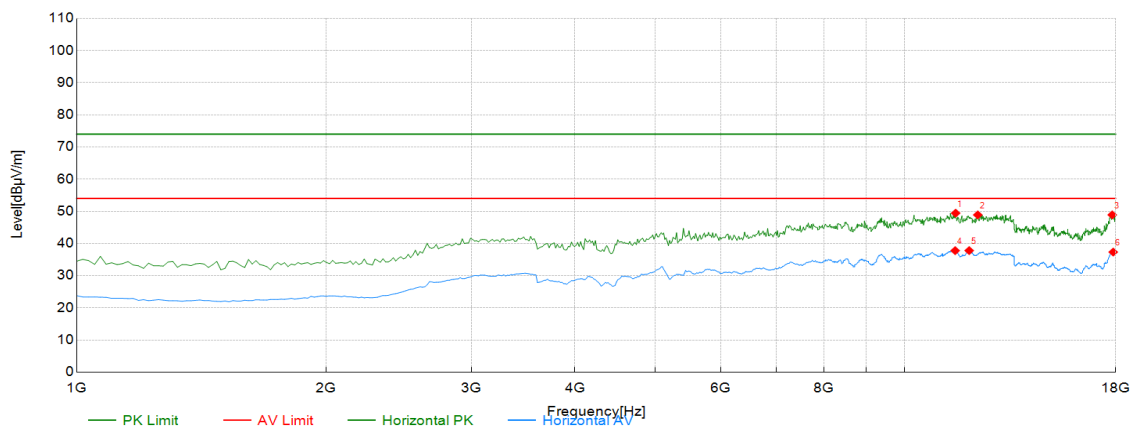
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE 1M 2440MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	11533.53	42.96	6.47	49.43	74.00	24.57	PK	Horizont	PASS
2	12265.27	41.69	7.20	48.89	74.00	25.11	PK	Horizont	PASS
3	17829.83	39.75	9.15	48.90	74.00	25.10	PK	Horizont	PASS
4	11516.52	31.31	6.47	37.78	54.00	16.22	AV	Horizont	PASS
5	11975.98	30.16	7.63	37.79	54.00	16.21	AV	Horizont	PASS
6	17880.88	27.75	9.59	37.34	54.00	16.66	AV	Horizont	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

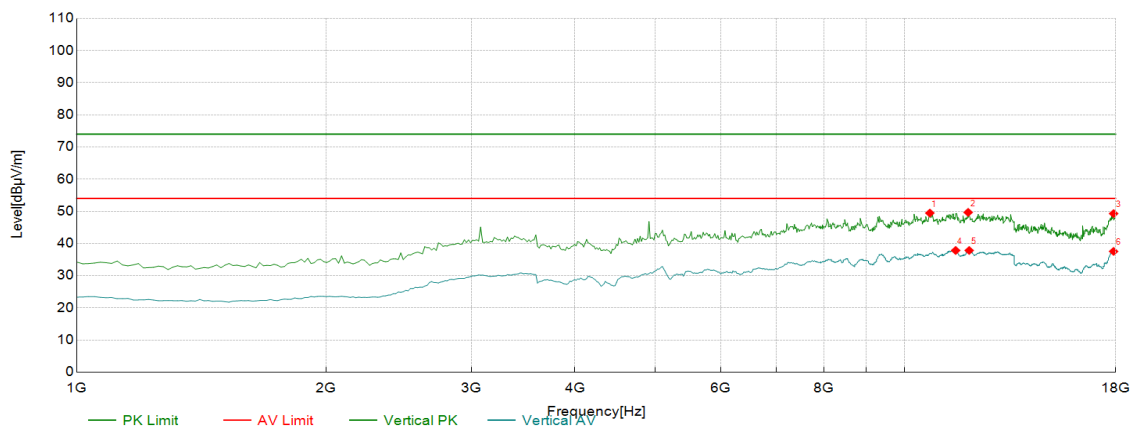
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE 1M 2440MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	10733.73	44.70	4.77	49.47	74.00	24.53	PK	Vertical	PASS
2	11941.94	42.24	7.44	49.68	74.00	24.32	PK	Vertical	PASS
3	17897.90	39.57	9.73	49.30	74.00	24.70	PK	Vertical	PASS
4	11533.53	31.36	6.47	37.83	54.00	16.17	AV	Vertical	PASS
5	11975.98	30.21	7.63	37.84	54.00	16.16	AV	Vertical	PASS
6	17897.90	27.82	9.73	37.55	54.00	16.45	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

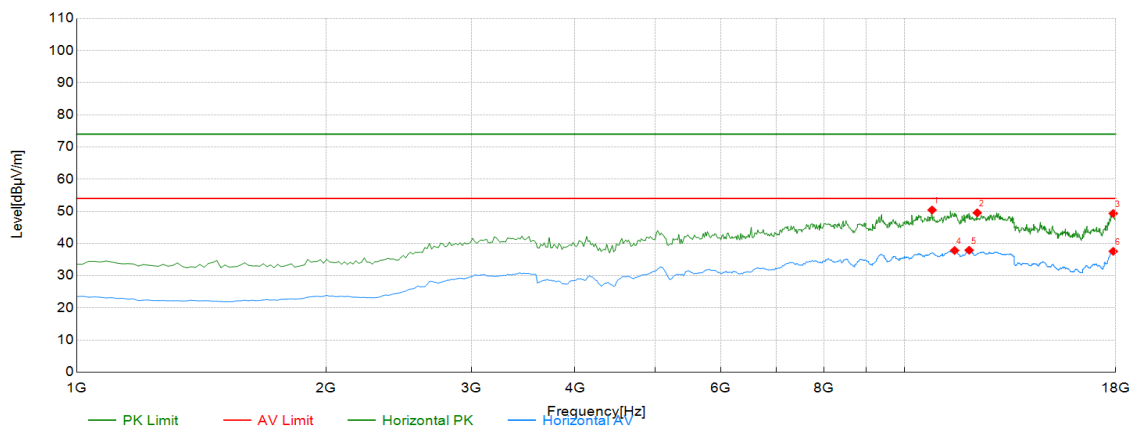
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE 1M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	10801.80	45.42	5.00	50.42	74.00	23.58	PK	Horizont	PASS
2	12248.25	42.28	7.27	49.55	74.00	24.45	PK	Horizont	PASS
3	17880.88	39.75	9.59	49.34	74.00	24.66	PK	Horizont	PASS
4	11499.50	31.36	6.47	37.83	54.00	16.17	AV	Horizont	PASS
5	11975.98	30.27	7.63	37.90	54.00	16.10	AV	Horizont	PASS
6	17880.88	27.99	9.59	37.58	54.00	16.42	AV	Horizont	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

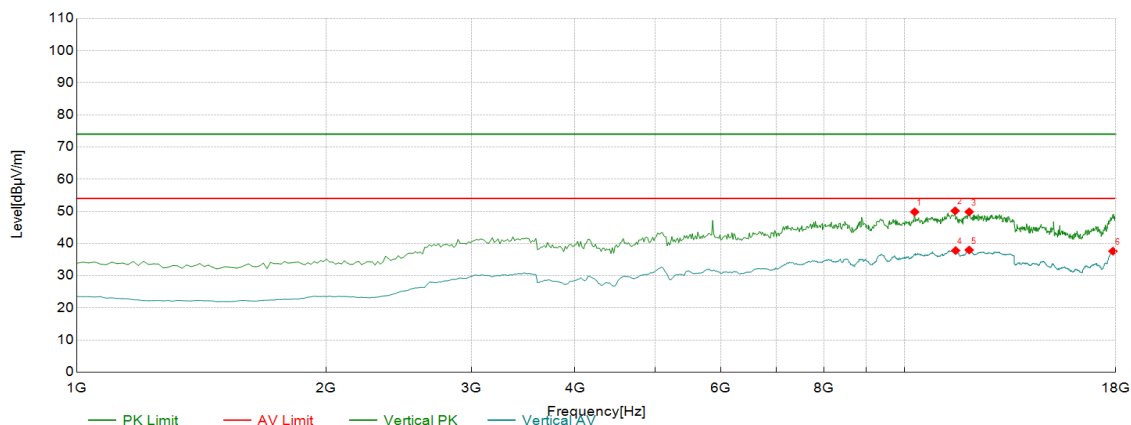
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE 1M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	10291.29	46.03	3.78	49.81	74.00	24.19	PK	Vertical	PASS
2	11516.52	43.69	6.47	50.16	74.00	23.84	PK	Vertical	PASS
3	11975.98	42.20	7.63	49.83	74.00	24.17	PK	Vertical	PASS
4	11533.53	31.33	6.47	37.80	54.00	16.20	AV	Vertical	PASS
5	11975.98	30.35	7.63	37.98	54.00	16.02	AV	Vertical	PASS
6	17863.86	28.16	9.45	37.61	54.00	16.39	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

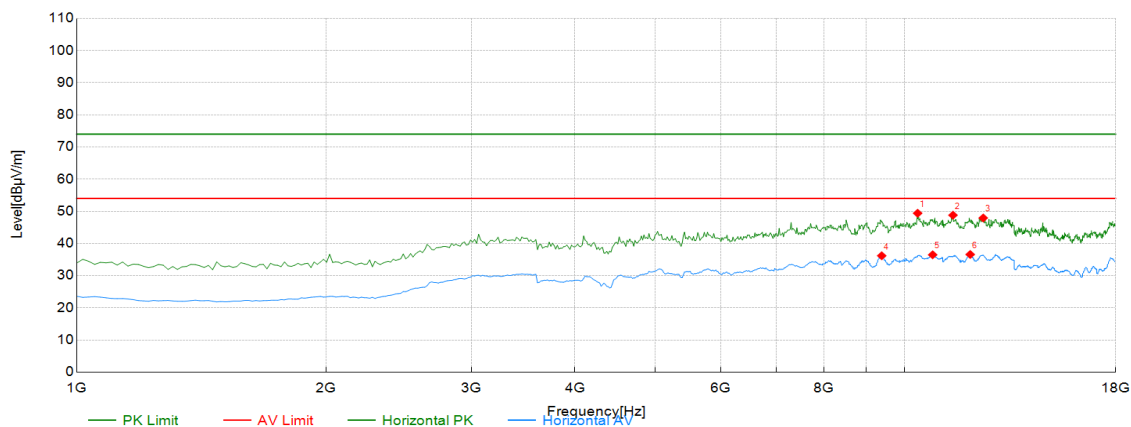
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	10376.38	45.41	4.00	49.41	74.00	24.59	PK	Horizont	PASS
2	11448.45	42.49	6.32	48.81	74.00	25.19	PK	Horizont	PASS
3	12452.45	40.98	6.96	47.94	74.00	26.06	PK	Horizont	PASS
4	9389.39	35.00	1.19	36.19	54.00	17.81	AV	Horizont	PASS
5	10818.82	31.49	5.00	36.49	54.00	17.51	AV	Horizont	PASS
6	12010.01	28.85	7.75	36.60	54.00	17.40	AV	Horizont	PASS

Remark:

1. Level (dBμV/m)= Factor (dB/m)+ Read Level (dBμV)

2. Margin (dB) =Limit(dBμV/m)-Level(dBμV/m)

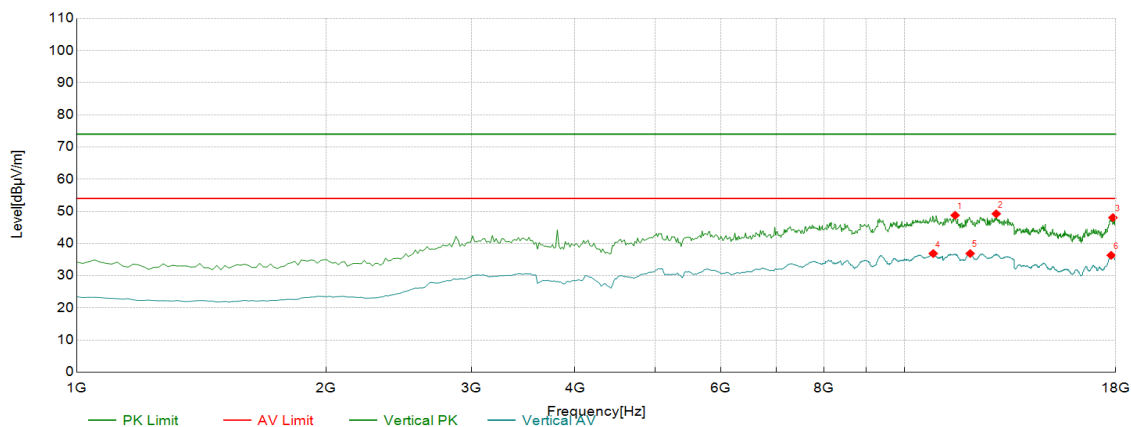
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	11516.52	42.29	6.47	48.76	74.00	25.24	PK	Vertical	PASS
2	12911.91	42.48	6.75	49.23	74.00	24.77	PK	Vertical	PASS
3	17863.86	38.61	9.45	48.06	74.00	25.94	PK	Vertical	PASS
4	10835.84	31.87	5.01	36.88	54.00	17.12	AV	Vertical	PASS
5	12010.01	29.14	7.75	36.89	54.00	17.11	AV	Vertical	PASS
6	17778.78	27.58	8.74	36.32	54.00	17.68	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

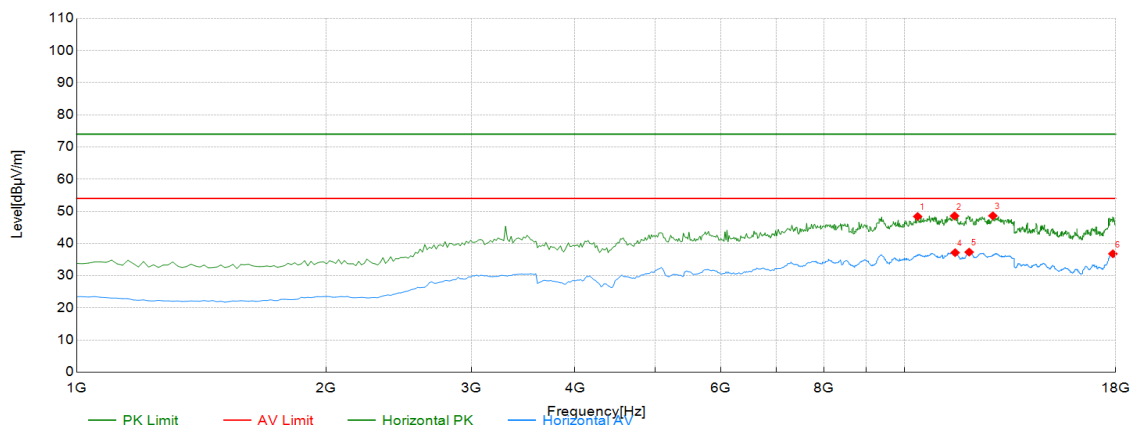
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2440MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	10376.38	44.40	4.00	48.40	74.00	25.60	PK	Horizont	PASS
2	11499.50	42.11	6.47	48.58	74.00	25.42	PK	Horizont	PASS
3	12792.79	41.95	6.66	48.61	74.00	25.39	PK	Horizont	PASS
4	11516.52	30.68	6.47	37.15	54.00	16.85	AV	Horizont	PASS
5	11975.98	29.70	7.63	37.33	54.00	16.67	AV	Horizont	PASS
6	17863.86	27.35	9.45	36.80	54.00	17.20	AV	Horizont	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

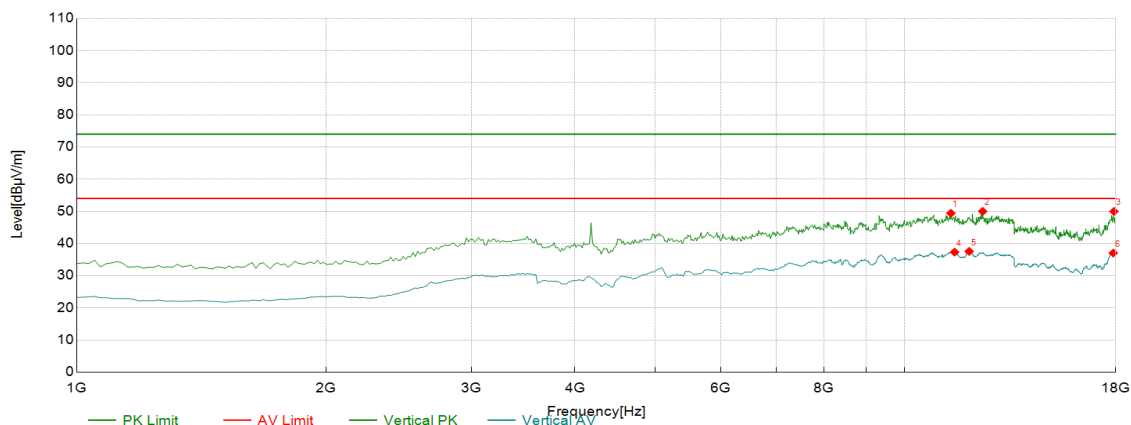
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2440MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	11380.38	43.28	6.13	49.41	74.00	24.59	PK	Vertical	PASS
2	12435.44	43.00	7.00	50.00	74.00	24.00	PK	Vertical	PASS
3	17914.91	40.12	9.86	49.98	74.00	24.02	PK	Vertical	PASS
4	11499.50	30.85	6.47	37.32	54.00	16.68	AV	Vertical	PASS
5	11975.98	29.91	7.63	37.54	54.00	16.46	AV	Vertical	PASS
6	17880.88	27.43	9.59	37.02	54.00	16.98	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

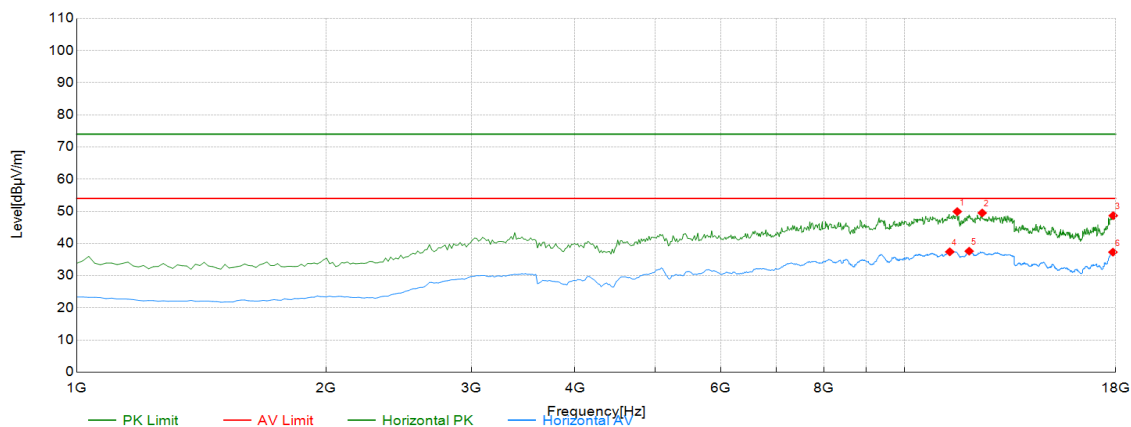
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	11584.58	43.47	6.45	49.92	74.00	24.08	PK	Horizont	PASS
2	12418.42	42.47	7.03	49.50	74.00	24.50	PK	Horizont	PASS
3	17880.88	39.07	9.59	48.66	74.00	25.34	PK	Horizont	PASS
4	11346.35	31.38	6.04	37.42	54.00	16.58	AV	Horizont	PASS
5	11975.98	29.99	7.63	37.62	54.00	16.38	AV	Horizont	PASS
6	17863.86	27.86	9.45	37.31	54.00	16.69	AV	Horizont	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

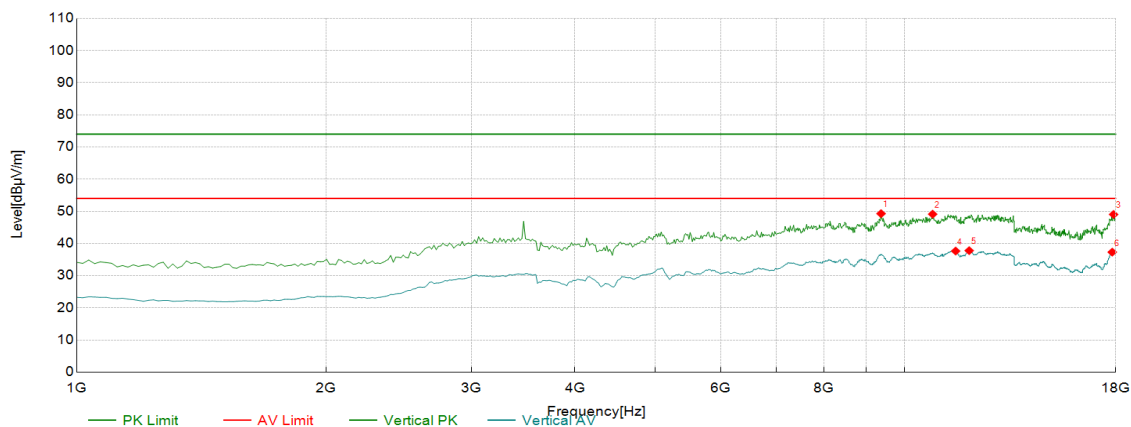
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	BLE2M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	9372.37	48.19	1.09	49.28	74.00	24.72	PK	Vertical	PASS
2	10818.82	44.12	5.00	49.12	74.00	24.88	PK	Vertical	PASS
3	17897.90	39.31	9.73	49.04	74.00	24.96	PK	Vertical	PASS
4	11533.53	31.19	6.47	37.66	54.00	16.34	AV	Vertical	PASS
5	11975.98	30.15	7.63	37.78	54.00	16.22	AV	Vertical	PASS
6	17829.83	28.17	9.15	37.32	54.00	16.68	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

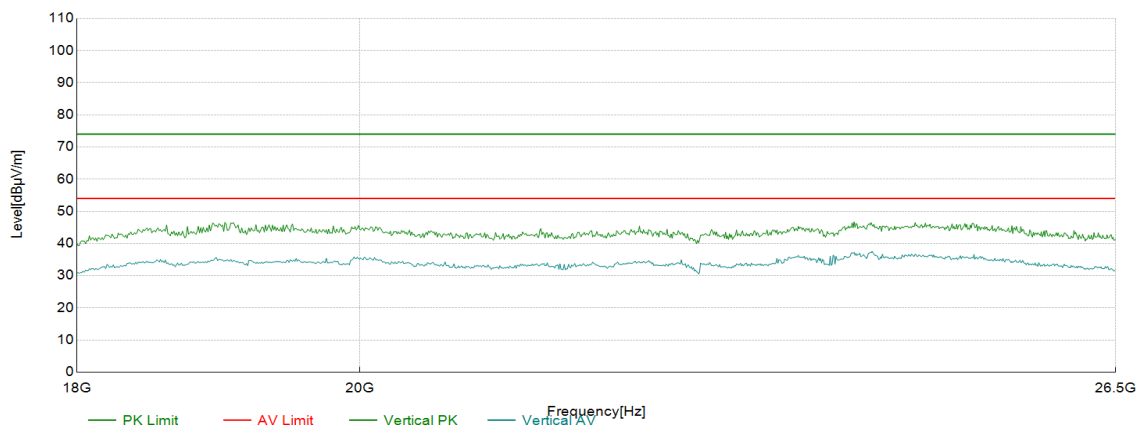
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

4. No report for the emission which below the prescribed limit.



Test Mode:	Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



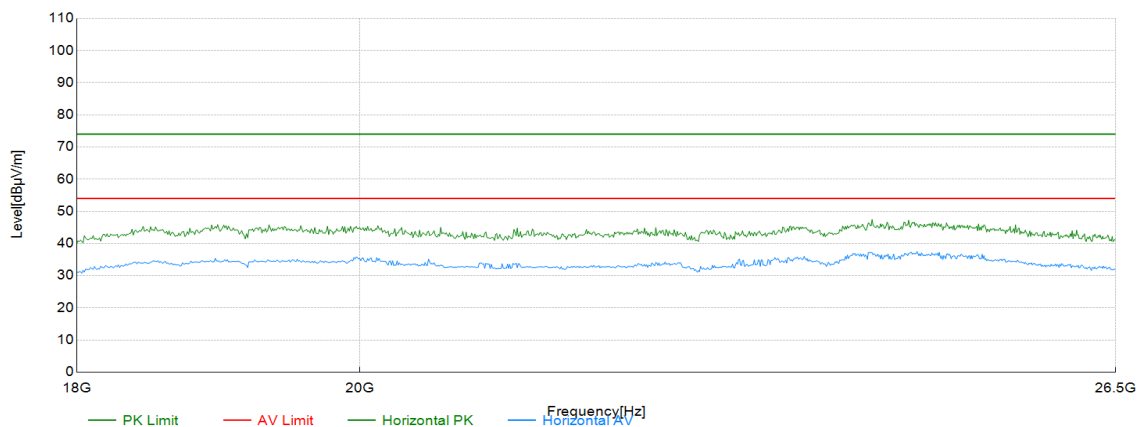
Remark:

1. Level (dBμV/m)= Factor (dB/m)+ Read Level (dBμV)
2. Margin (dB) =Limit(dBμV/m)-Level(dBμV/m)
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
4. No report for the emission which below the prescribed limit.



Test Mode:	Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Remark:

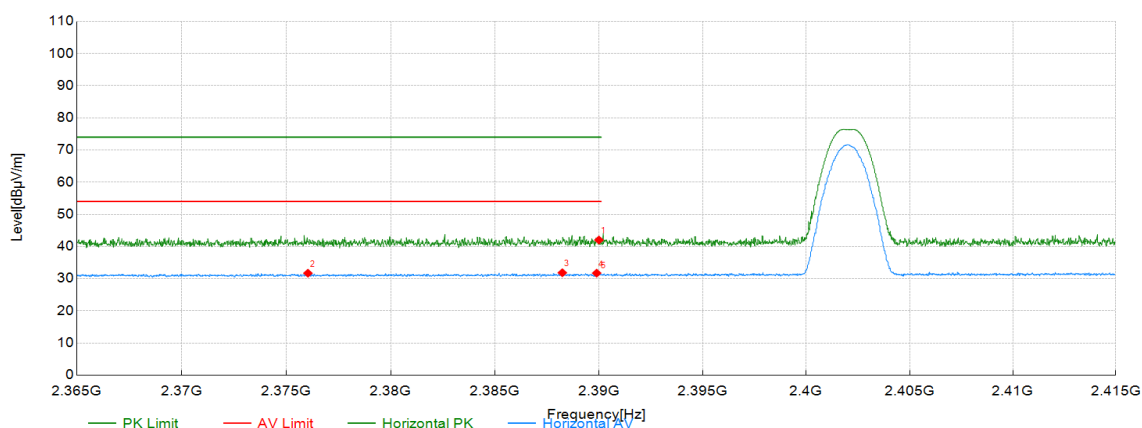
1. Level (dBμV/m)= Factor (dB/m)+ Read Level (dBμV)
2. Margin (dB) =Limit(dBμV/m)-Level(dBμV/m)
3. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
4. No report for the emission which below the prescribed limit.



Attachment C-- Restricted Bands Data

Test Mode:	BLE1M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2390.00	53.87	-11.85	42.02	74.00	31.98	PK	Horizont	PASS
2	2376.04	43.57	-11.87	31.70	54.00	22.30	AV	Horizont	PASS
3	2388.24	43.70	-11.85	31.85	54.00	22.15	AV	Horizont	PASS
4	2389.89	43.57	-11.85	31.72	54.00	22.28	AV	Horizont	PASS
5	2390.00	43.21	-11.85	31.36	54.00	22.64	AV	Horizont	PASS

Remark:

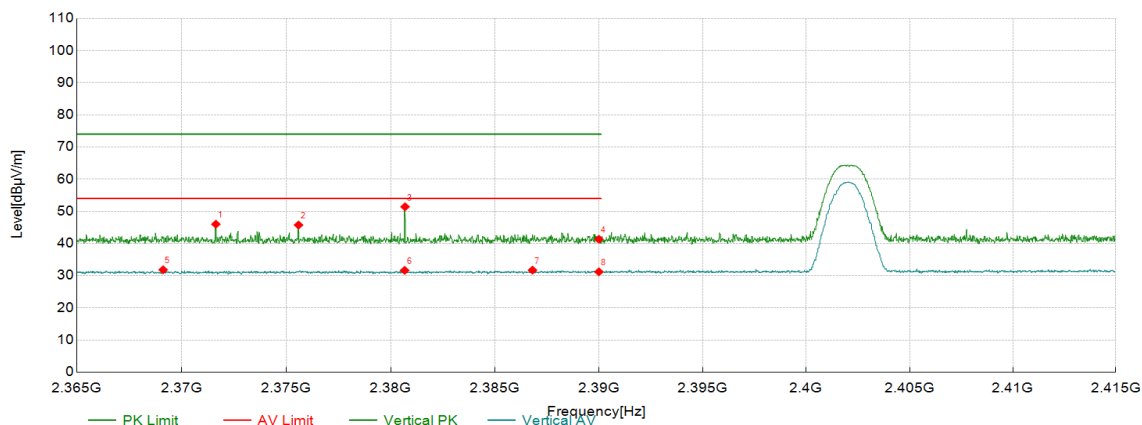
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE1M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2371.64	57.86	-11.86	46.00	74.00	28.00	PK	Vertical	PASS
2	2375.59	57.62	-11.87	45.75	74.00	28.25	PK	Vertical	PASS
3	2380.69	63.28	-11.86	51.42	74.00	22.58	PK	Vertical	PASS
4	2390.00	53.17	-11.85	41.32	74.00	32.68	PK	Vertical	PASS
5	2369.12	43.70	-11.87	31.83	54.00	22.17	AV	Vertical	PASS
6	2380.67	43.51	-11.86	31.65	54.00	22.35	AV	Vertical	PASS
7	2386.81	43.58	-11.86	31.72	54.00	22.28	AV	Vertical	PASS
8	2390.00	43.05	-11.85	31.20	54.00	22.80	AV	Vertical	PASS

Remark:

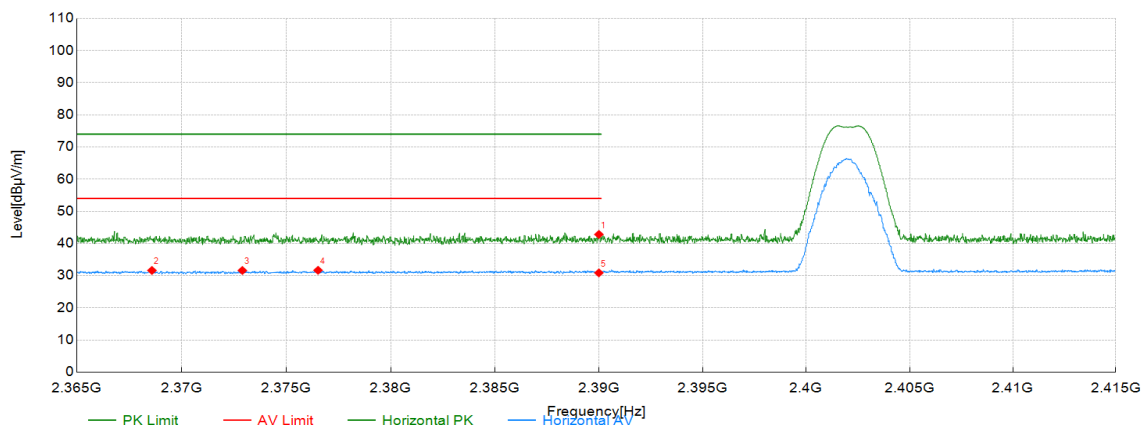
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE2M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2390.00	54.68	-11.85	42.83	74.00	31.17	PK	Horizont	PASS
2	2368.58	43.49	-11.87	31.62	54.00	22.38	AV	Horizont	PASS
3	2372.90	43.48	-11.86	31.62	54.00	22.38	AV	Horizont	PASS
4	2376.52	43.54	-11.87	31.67	54.00	22.33	AV	Horizont	PASS
5	2390.00	42.72	-11.85	30.87	54.00	23.13	AV	Horizont	PASS

Remark:

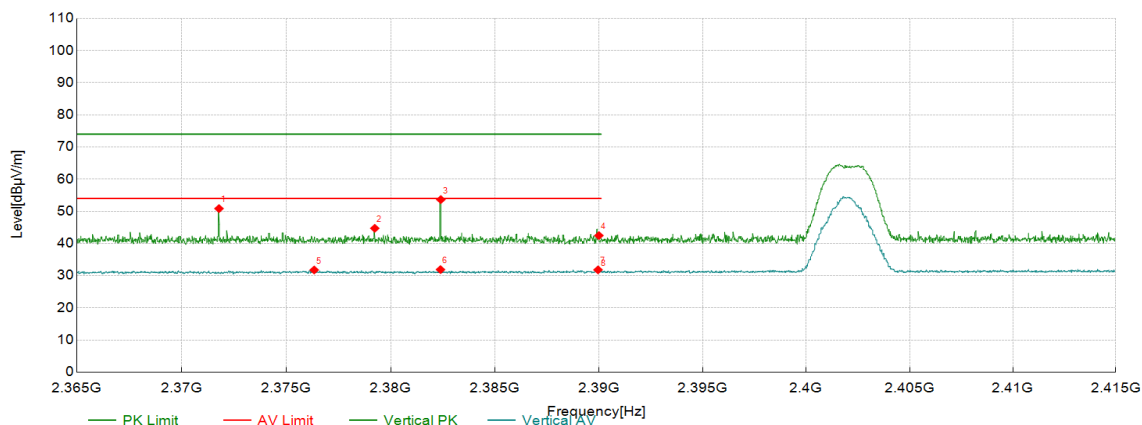
1. Level (dBµV/m)= Factor (dB/m)+ Read Level (dBµV)

2. Margin (dB) =Limit(dBµV/m)-Level(dBµV/m)



Test Mode:	BLE2M 2402MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2371.79	62.71	-11.86	50.85	74.00	23.15	PK	Vertical	PASS
2	2379.24	56.58	-11.86	44.72	74.00	29.28	PK	Vertical	PASS
3	2382.41	65.52	-11.86	53.66	74.00	20.34	PK	Vertical	PASS
4	2390.00	54.32	-11.85	42.47	74.00	31.53	PK	Vertical	PASS
5	2376.34	43.64	-11.87	31.77	54.00	22.23	AV	Vertical	PASS
6	2382.39	43.75	-11.86	31.89	54.00	22.11	AV	Vertical	PASS
7	2389.96	43.66	-11.85	31.81	54.00	22.19	AV	Vertical	PASS
8	2390.00	42.96	-11.85	31.11	54.00	22.89	AV	Vertical	PASS

Remark:

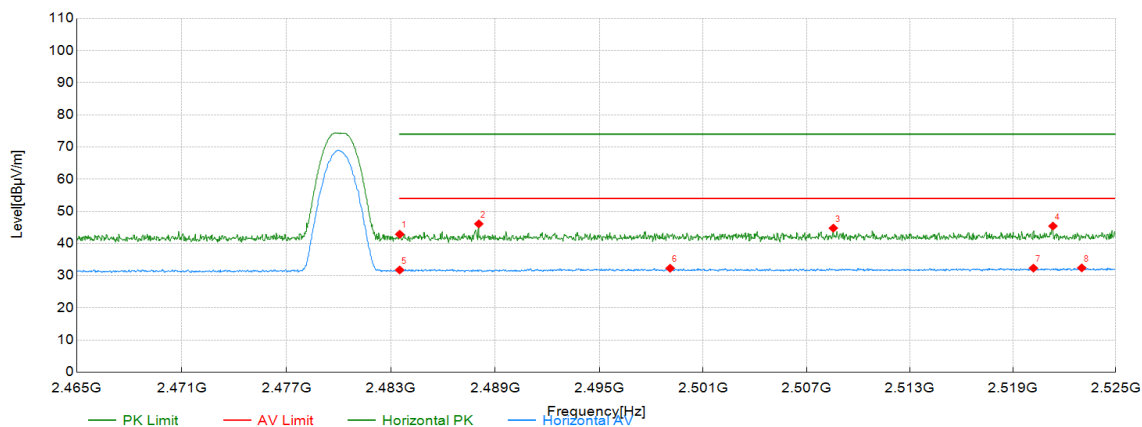
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE1M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.50	54.33	-11.46	42.87	74.00	31.13	PK	Horizont	PASS
2	2488.05	57.53	-11.43	46.10	74.00	27.90	PK	Horizont	PASS
3	2508.55	56.08	-11.31	44.77	74.00	29.23	PK	Horizont	PASS
4	2521.34	56.65	-11.23	45.42	74.00	28.58	PK	Horizont	PASS
5	2483.50	43.22	-11.46	31.76	54.00	22.24	AV	Horizont	PASS
6	2499.10	43.66	-11.36	32.30	54.00	21.70	AV	Horizont	PASS
7	2520.20	43.58	-11.24	32.34	54.00	21.66	AV	Horizont	PASS
8	2523.02	43.65	-11.23	32.42	54.00	21.58	AV	Horizont	PASS

Remark:

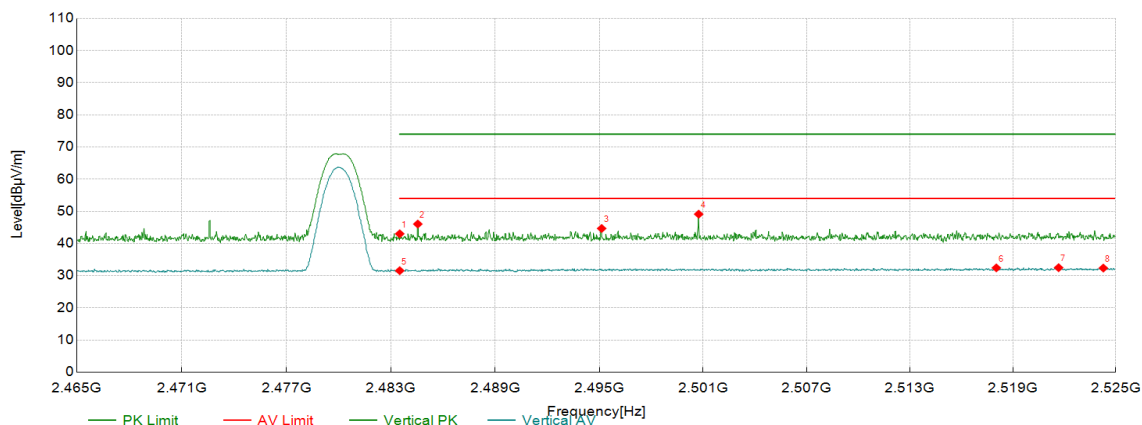
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE1M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.50	54.48	-11.46	43.02	74.00	30.98	PK	Vertical	PASS
2	2484.54	57.50	-11.45	46.05	74.00	27.95	PK	Vertical	PASS
3	2495.14	56.05	-11.38	44.67	74.00	29.33	PK	Vertical	PASS
4	2500.75	60.46	-11.34	49.12	74.00	24.88	PK	Vertical	PASS
5	2483.50	43.01	-11.46	31.55	54.00	22.45	AV	Vertical	PASS
6	2518.04	43.67	-11.25	32.42	54.00	21.58	AV	Vertical	PASS
7	2521.67	43.71	-11.23	32.48	54.00	21.52	AV	Vertical	PASS
8	2524.28	43.58	-11.22	32.36	54.00	21.64	AV	Vertical	PASS

Remark:

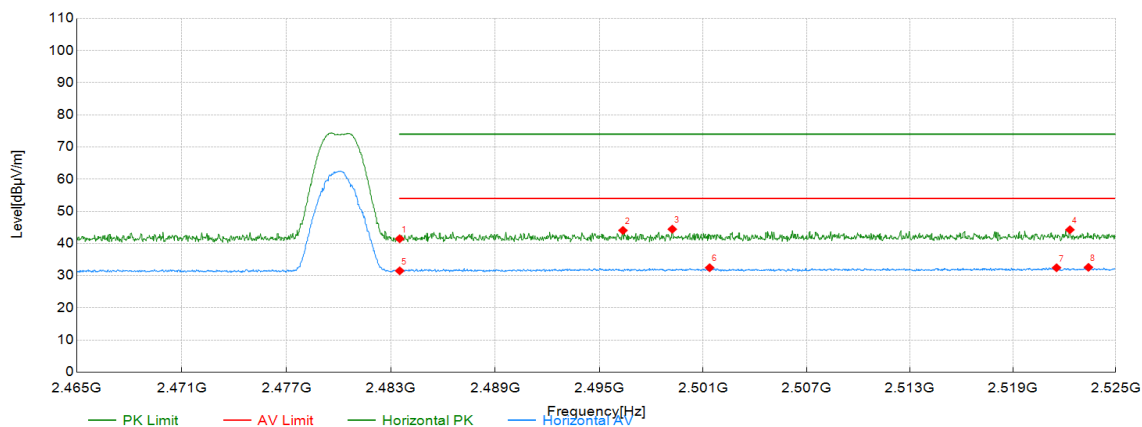
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE2M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.50	52.94	-11.46	41.48	74.00	32.52	PK	Horizont	PASS
2	2496.37	55.44	-11.37	44.07	74.00	29.93	PK	Horizont	PASS
3	2499.22	55.80	-11.35	44.45	74.00	29.55	PK	Horizont	PASS
4	2522.33	55.51	-11.23	44.28	74.00	29.72	PK	Horizont	PASS
5	2483.50	42.97	-11.46	31.51	54.00	22.49	AV	Horizont	PASS
6	2501.38	43.80	-11.33	32.47	54.00	21.53	AV	Horizont	PASS
7	2521.55	43.69	-11.23	32.46	54.00	21.54	AV	Horizont	PASS
8	2523.41	43.81	-11.23	32.58	54.00	21.42	AV	Horizont	PASS

Remark:

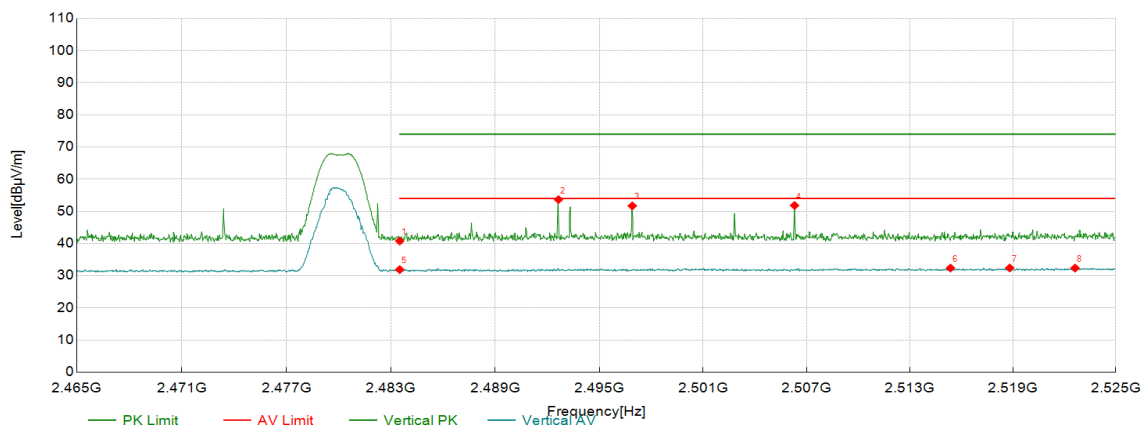
1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



Test Mode:	BLE2M 2480MHz Tx Mode	Test Voltage:	DC 3.87V
Temperature: (°C):	23.4	Humidity (%):	53
Atm. press. (kpa):	101.8		
Remark:	Only show the worst data.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	2483.50	52.23	-11.46	40.77	74.00	33.23	PK	Vertical	PASS
2	2492.64	65.05	-11.39	53.66	74.00	20.34	PK	Vertical	PASS
3	2496.91	63.07	-11.37	51.70	74.00	22.30	PK	Vertical	PASS
4	2506.30	63.14	-11.31	51.83	74.00	22.17	PK	Vertical	PASS
5	2483.50	43.35	-11.46	31.89	54.00	22.11	AV	Vertical	PASS
6	2515.37	43.63	-11.27	32.36	54.00	21.64	AV	Vertical	PASS
7	2518.82	43.64	-11.24	32.40	54.00	21.60	AV	Vertical	PASS
8	2522.63	43.59	-11.23	32.36	54.00	21.64	AV	Vertical	PASS

Remark:

1. Level (dBμV/m) = Factor (dB/m) + Read Level (dBμV)

2. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

-----END OF THE REPORT-----

