

FCC AND ISD CERTIFICATION TEST REPORT

Applicant	:	Omni Power Technology, Inc.
Address	:	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA
Manufacturer	:	Omni Power Technology, Inc.
Address	:	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA
Equipment under Test	:	PORTABLE POWER BANK
Model No.	:	Omni Locker 10E
Trade Name	:	∴.omnicharge®
FCC ID	:	2BOQC-10E
IC	:	33793-10E
Report No.	:	LS-R26032329-1F01
Issue Date	:	May. 12, 2026

LabSure Testing Services (Suzhou) Co., Ltd.



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Test Report Declare

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Trade Name	:	..omnicharge®

Test Standard Used:

47 CFR FCC Part 15 Subpart C (Part 15.249), RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5 Apr. 2018+ Amendment 1 March. 2019 +Amendment 2 February 2021

Test Procedure Used:

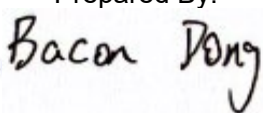
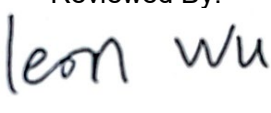
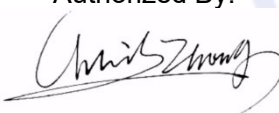
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

We Declare:

The equipment described above is tested by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and LabSure Testing Services (Suzhou) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.

Report No:	LS-R26032329-1F01		
Sample No:	Y26032329-03		
Date of Receipt:	Apr. 07, 2026	Date of Test:	Apr. 08, 2026~ May. 10, 2026

Prepared By: 	Reviewed By: 	Authorized By: 
Bacon Dong/Engineer	Leon Wu/Director	Chris Zhong/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	May. 12, 2026	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	Standard	Verdict
20dB Bandwidth and 99% Bandwidth	FCC Part 15.215 RSS-GEN Clause 6.7	Pass
Radiated Spurious Emissions	FCC Part 15.249 FCC Part 15.209 FCC Part 15.205 RSS-210 Annex B.10 RSS-GEN Clause 8.9 & 8.10	Pass
Radiated Band Edge Compliance	FCC Part 15.249 FCC Part 15.209 FCC Part 15.205 RSS-210 Issue 11 Annex B.10 RSS-GEN Clause 8.9 & 8.10	Pass
Power Line Conducted Emission	FCC Part 15.207 RSS-GEN Clause 8.8	Pass
Antenna Requirement	FCC Part 15.203 RSS-GEN Clause 6.8	Pass
Note: The measurement result for the sample received is <Pass> according to <ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024; 47 CFR FCC Part 2.1093; 47 CFR Part 15C(Part 15.249), RSS-210 Issue 11 June 25, 2024; RSS-Gen Issue 5 Apr. 2018+ Amendment 1 March. 2019 +Amendment 2 February 2021> when <Simple Acceptance> decision rule is applied.		

2. General Test Information

2.1. Description of EUT

EUT Name	: PORTABLE POWER BANK
Model Number	: Omni Locker 10E
Test Model	: Omni Locker 10E
Difference of model number	: N/A
EUT function description	: Please reference user manual of this device.
Power Supply	: Charging: Via adapter input AC 120V, 60Hz, Output DC 12V Discharging: DC 12.8V by Polymer Li-ion built-in battery
Operation Frequency	: 2402MHz-2480MHz
Modulation	: GFSK
Data Rate	: 1Mbps, 2Mbps
Antenna Type	: PCB Antenna
Antenna Gain	: Max Peak Gain: -1.35 dBi (Declare by customer and the lab isn't responsible for the value)
Serial Number	: N/A

Note1: The lab isn't responsible for the value provide by customer (Such as RF cable loss, antenna gain etc..)

Channel information

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	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		

2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
Omni Locker Station	N/A	C1A	N/A	Supplied by client

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
Adapter	N/A	ABA071A-0120 1000C1402	FCC&CE	N/A
Notebook	Honor	BRN-F56	FCC&CE	N/A

2.4. Block diagram of EUT configuration for test



Test software: nRF Connect for Desktop Version: 4.2.1

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, channel, and data rate information			
Mode	Setting Tx Power	Channel	Frequency (MHz)
BLE_1M Tx mode	-16	CH Low	2402
	-16	CH Middle	2440
	-16	CH High	2480
BLE_2M Tx mode	-4	CH Low	2404
	-4	CH Middle	2440
	-4	CH High	2478

Modulation Type	TX & RX Configuration	
GFSK	1TX	1RX

2.5. Test environment conditions

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

Environment Parameter	Selected Values During Tests
Relative Humidity	40-75%
Atmospheric Pressure:	86-106 kPa
Temperature	21-25 °C
Voltage:	DC 12.8V

2.6. Deviations of test standard

No deviation.

2.7. Test laboratory

Lab Information	Company Name: LabSure Testing Services (Suzhou) Co., Ltd. Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China. Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com
Accreditation Certificate	A2LA (Certificate No.: 7346.01) LabSure Testing Services (Suzhou) Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1397) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 32952; CAB No.:CN0182) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, China. Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS. Note 3: The test anechoic chamber in LabSure Testing Services (Suzhou) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.	

2.8. Measurement uncertainty

Test Item	Uncertainty
DTS Bandwidth	±1.9 %
Maximum Conducted Output Power	± 0.69dB
Maximum Power Spectral Density Level	±1.5 dB
Band-edge Compliance	± 1.9%
Conducted Spurious Emissions	30MHz-1GHz:±1.5 dB
	1GHz-12.75GHz: ±1.9dB
	12.75GHz-26.5GHz: ±2.1dB
Uncertainty for Radiation Emission Test (9kHz - 1 GHz)	9kHz-30MHz: 3.4 dB
	30MHz-1000MHz: 2.4dB
Uncertainty for Radiation Emission Test (1 GHz - 40 GHz)	1GHz – 18GHz: 3.1 dB
	18GHz – 40GHz: 4.3 dB
Uncertainty for Power Line Conduction Emission Test	3.0 dB (150 kHz - 30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
RF Conducted Test					
MXG Vector Signal Generator(100kHz-6GHz)	Agilent	N5182A	MY50144775	2026/01/25	1 Year
Spectrum Analyzer(9kHz-40GHz)	R&S	FSV40-N	101642	2026/01/25	1 Year
Vector Signal Generator(4kHz-7.125GHz)	R&S	SMCV100B	103781	2026/01/25	1 Year
WIDBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	167141	2026/03/06	1 Year
Signal Analyzer(10Hz-26.5GHz)	Keysight	N9020B	MY56080159	2026/03/10	1 Year
RF Control Unit	Tonscend	JS0806-2	24A80620795	2026/01/25	1 Year
Signal Generator	R&S	SMF 100A	101396	2026/01/25	1 Year
Temperature, humidity and pressure recorder	Huahanwei	TH10R	c0222020002d	2026/3/2	1 Year
Test Software	TONSCEND	JS1120-3	3.6.21	N/A	N/A
Radiated Spurious Emission 3m EMI Chamber					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
3m Anechoic Chamber	CeRuiTong	3m-SAC	N/A	2024/05/10	3 Year
Loop antenna (9kHz-30MHz)	SCHWARZBEC K	FMZB1519-60 D	00058	2024/11/05	3 Year
EMI Test Receiver	R&S	ESC17	101138	2026/01/25	1 Year
Signal Analyzer	R&S	FSV40-N	101730	2026/01/25	1 Year
Hybrid antenna	TESEQ	CBL6141B	27421	2024/01/10	3 Year
Horn Antenna	ETS-Lindgren	3117	157735	2024/01/19	3 Year
Active Horn Antenna	Com-Power	AHA-840	10100024	2023/10/16	3 Year
Pre-Amplifier_HF	COM-MW	DPA8-1000-18 000-1012	05231257	2026/01/25	1 Year
Low Noise Amplifier	Tonscend	TAP10M1G40 N	806JSAP0399 04251006	2026/01/25	1 Year
Temperature, humidity and pressure recorder	Huahanwei	THP40W-E	c0222020002F	2026/1/29	1 Year
Test software	TONSCEND	JS35-RSE	5.0.1	N/A	N/A
Power Line Conducted Emissions Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Shielding Room 1	Tai He Mao Rui	N/A	N/A	2024/01/25	3 Year
EMI Test Receiver	Rohde & Schwarz	ESC13	101705	2026/01/25	1 Year
Two-Line V-Network	Rohde & Schwarz	ENV216	101064	2026/01/25	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	102704	2026/01/25	1 Year

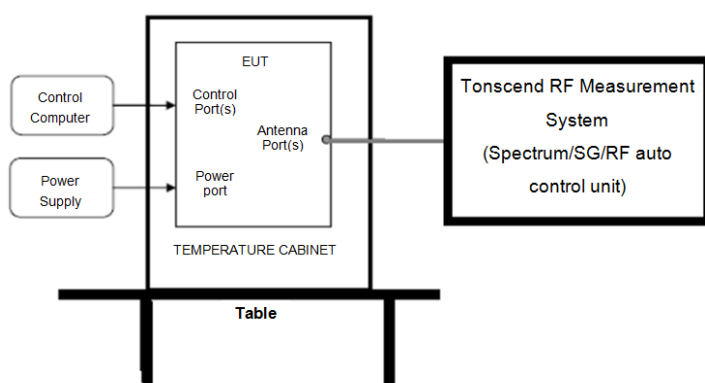
Temperature, humidity and pressure recorder	HuaHanWei	THP40W-E	c0222020002 E	2026/01/25	1 Year
Test software	TONSCEND	JS32-CE	5.0.0	N/A	N/A

4. 20 dB Bandwidth and 99% Bandwidth

4.1. General Information

Test date	Apr. 17, 2026 to May. 06, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	21.7℃	Relative humidity	46.5%
	Atmospheric pressure	102.7kPa		
Test place	EMC Room 1#			

4.2. Block diagram of test setup



4.3. Limits

FCC Part 15.215, RSS-GEN Clause 6.7		
Section	Test Item	Frequency Range (MHz)
FCC Part 15.215	20dB Bandwidth	2400-2483.5
RSS-GEN Clause 6.7	99 % Occupied Bandwidth	2400-2483.5

4.4. Test procedure

- Connect EUT's antenna output to spectrum analyzer by RF cable.
- 20 dB Bandwidth set the spectrum analyzer as follows:

RBW: 100 kHz
 VBW: 300 kHz
 Detector Mode: Peak

Sweep time: auto
Trace mode Max hold

(3) 99% Bandwidth set the spectrum analyzer as follows:

RBW: RBW, prefer 1% to 5% of OBW
VBW: VBW approximately $3 \times$ RBW
Detector Mode: Peak
Sweep time: auto
Trace mode Max hold

(4) Allow the trace to stabilize, measure the 20 dB and 99% bandwidth of signal.

4.5. Test result

Mode	Channel	99% bandwidth Result (MHz)	20 dB bandwidth Result (MHz)	Verdict
BLE_1M	CH0	1.1009	1.264	Pass
	CH19	1.0852	1.240	Pass
	CH39	1.0787	1.256	Pass
BLE_2M	CH1	2.2276	2.460	Pass
	CH19	2.2009	2.460	Pass
	CH38	2.1786	2.408	Pass

4.6. Original test data

20 dB Bandwidth







99% Bandwidth







Note: Offset=External Cabel Loss + Test System Internal Cabel Loss.

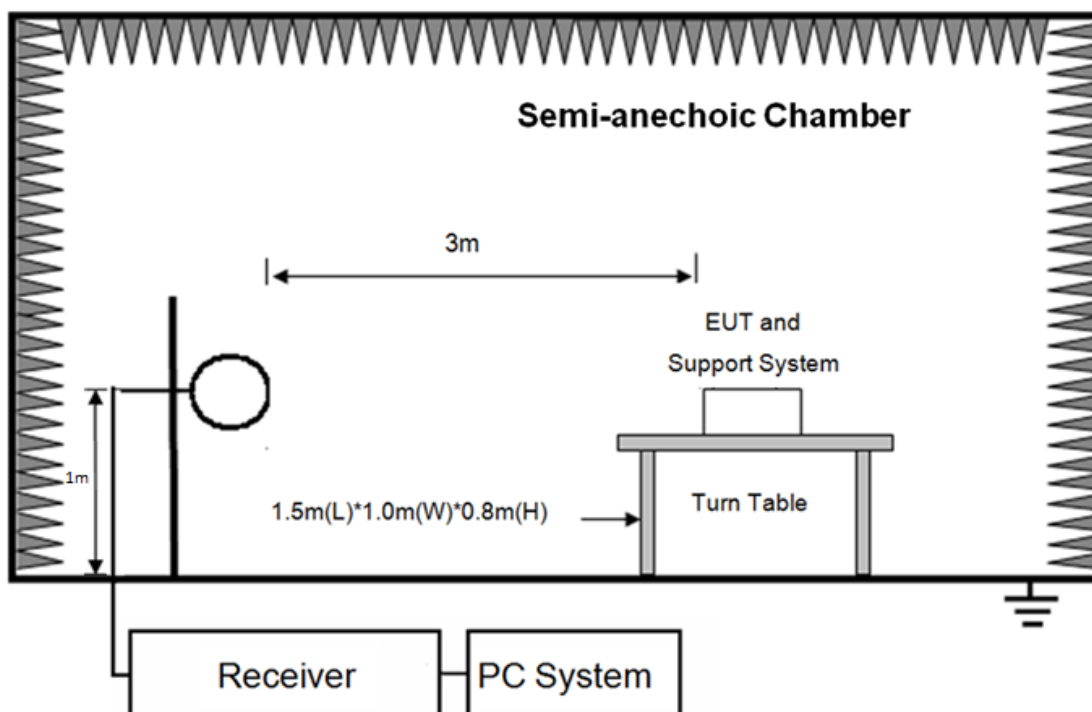
5. Radiated Emission

5.1. General Information

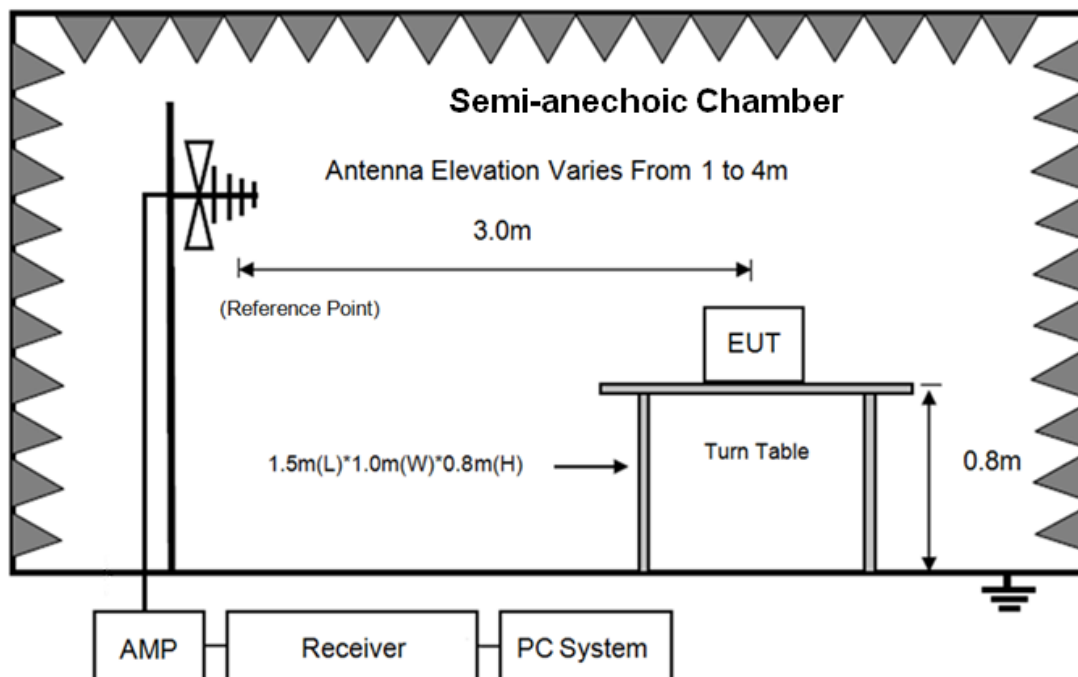
Test date	Apr. 19, 2026 to May. 10, 2026	Test engineer	Caleb Fu	
Climate condition	Ambient temperature	23.6°C	Relative humidity	52.6%
	Atmospheric pressure	102.3kPa		
Test place	3m Chamber			

5.2. Block diagram of test setup

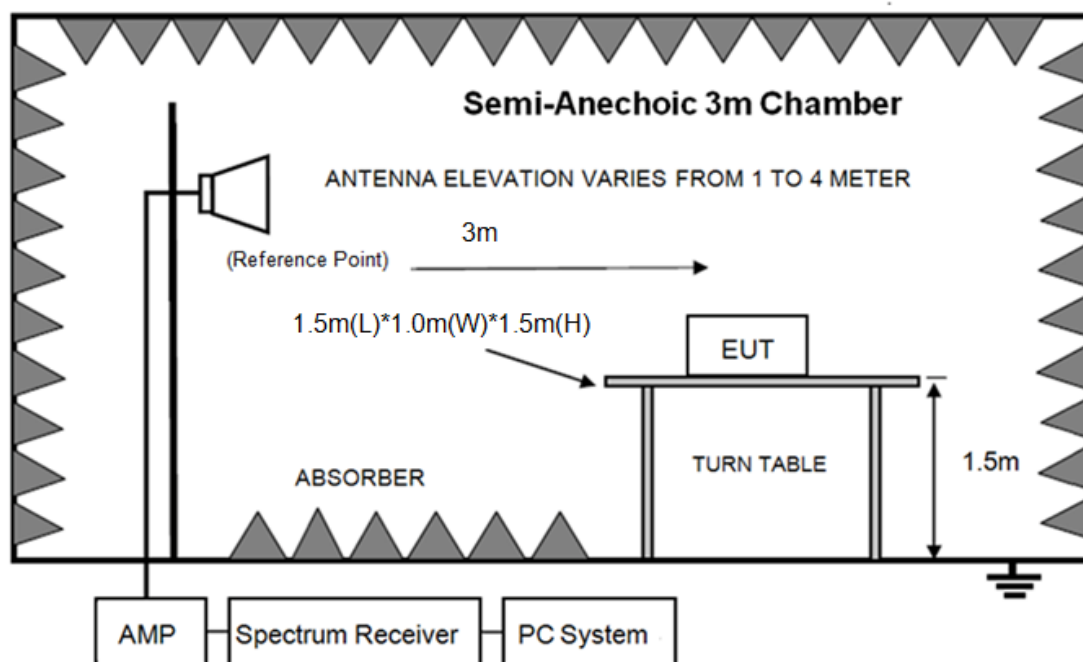
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

5.3. Limit

(1) 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(2) RSS-GEN Clause 8.10 Table 7 Restricted frequency band*

MHz	MHz	MHz	GHz
0.090-0.110	12.57675-12.57725	399.9-410	7.25-7.75
0.495-0.505	13.36-13.41	608-614	8.025-8.5
2.1735-2.1905	16.42-16.423	960-1427	9.0-9.2
3.020-3.026	16.69475-16.69525	1435-1626.5	9.3-9.5
4.125-4.128	16.80425-16.80475	1645.5-1646.5	10.6-12.7
4.17725-4.17775	25.5-25.67	1660-1710	13.25-13.4
4.20725-4.20775	37.5-38.25	1718.8-1722.2	14.47-14.5
5.677-5.683	73-74.6	2200-2300	15.35-16.2
6.215-6.218	74.8-75.2	2310-2390	17.7-21.4
6.26775-6.26825	108-138	2483.5-2500	22.01-23.12
6.31175-6.31225	149.9-150.05	2655-2900	23.6-24.0
8.291-8.294	156.52475-156.52525	3260-3267	31.2-31.8
8.362-8.366	156.7-156.9	3332-3339	36.43-36.5
8.37625-8.38675	162.0125-167.17	3345.8-3358	Above 38.6
8.41425-8.41475	167.72-173.2	3500-4400	
12.29-12.293	240-285	4.5-5.15	
12.51975-12.52025	322-335.4	5.35-5.46	

* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meter	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490 (1)	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

RSS-GEN Clause 8.9 Table 5 Limit.

FREQUENCY MHz	DISTANCE Meter	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

RSS-GEN Clause 8.9 Table 6 Limit.

FREQUENCY MHz	Magnetic field strength (H-Field) ($\mu\text{A/m}$)	DISTANCE Meters
9 - 490 kHz (1)	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30MHz	0.08	30

FCC 15.249 & RSS-210 Annex B.10 Limit

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)	DISTANCE Meter
902-928 MHz	50	500	3
2400-2483.5 MHz	50 114.0 $\text{dB}\mu\text{V/m}$ (Peak) 94.0 $\text{dB}\mu\text{V/m}$ (Average)	500 74.0 $\text{dB}\mu\text{V/m}$ (Peak) 54.0 $\text{dB}\mu\text{V/m}$ (Average)	3
5725-5875 MHz	50	500	3
24.0-24.25 GHz	250	2500	3

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below

formula:

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

All the emissions appearing within 15.205 & RSS-GEN restricted frequency bands shall not exceed the limits shown in 15.209 & RSS-GEN, all the other emissions shall be at least 20dB below the fundamental emissions or comply with 15.209 & RSS-GEN limits.

5.4. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1 GHz and 150 cm above the ground plane inside a full-anechoic chamber for above 1 GHz.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	3 m

According ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also is positioned with its plane horizontal at the specified distance from the EUT. The lowest height of the loop antenna shall be 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)
- (b) Change work frequency or channel of device if practicable.
- (c) Change modulation type of device if practicable.
- (d) Change power supply range from 85% to 115% of the rated supply voltage
- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

- (4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Radiated Emission test.
- (5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

- (7) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 clause 4.1.4.2.2 procedure for average measure.
- (8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

5.5. Test result

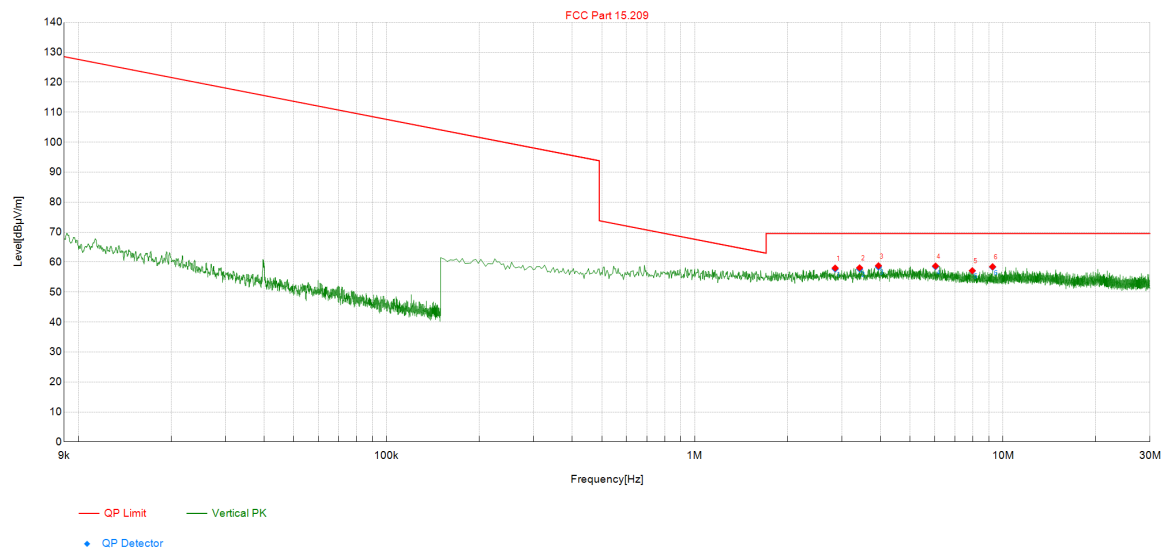
Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limit.

Note1: For radiated spurious emissions from 9KHz to 30 MHz, 30MHz to 1GHz and 18 GHz to 26 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions 9KHz to 30 MHz, 30MHz to 1GHz and 18 GHz to 25GHz, the final test was only performed with EUT working in the worst case 2 Mbps, Tx 2404 MHz mode. For radiated spurious emissions from 1GHz to 18GHz, test results under all mode were recorded.

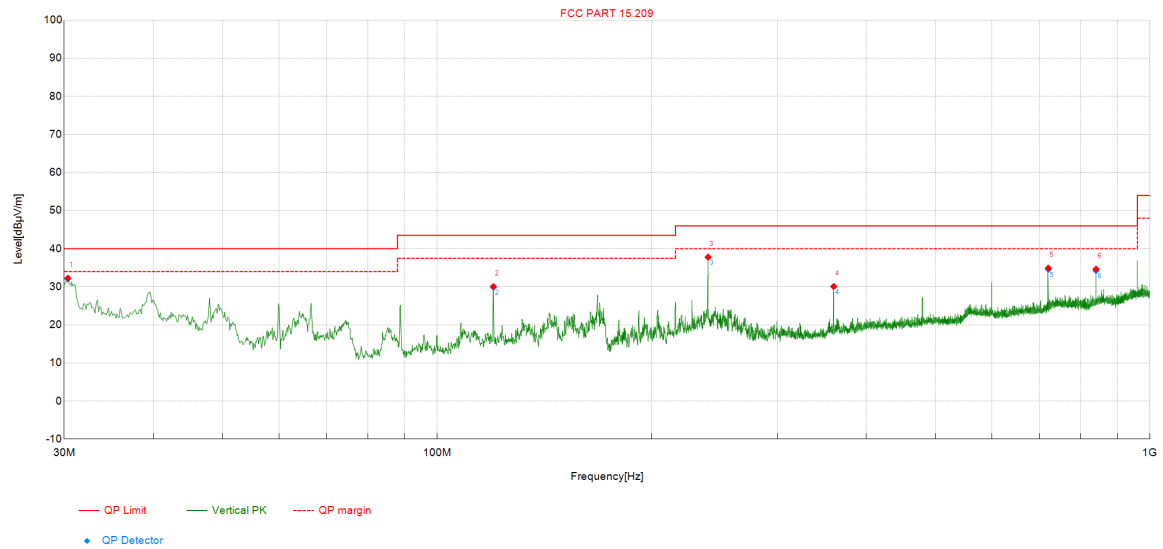
Note2: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (9kHz-30MHz)



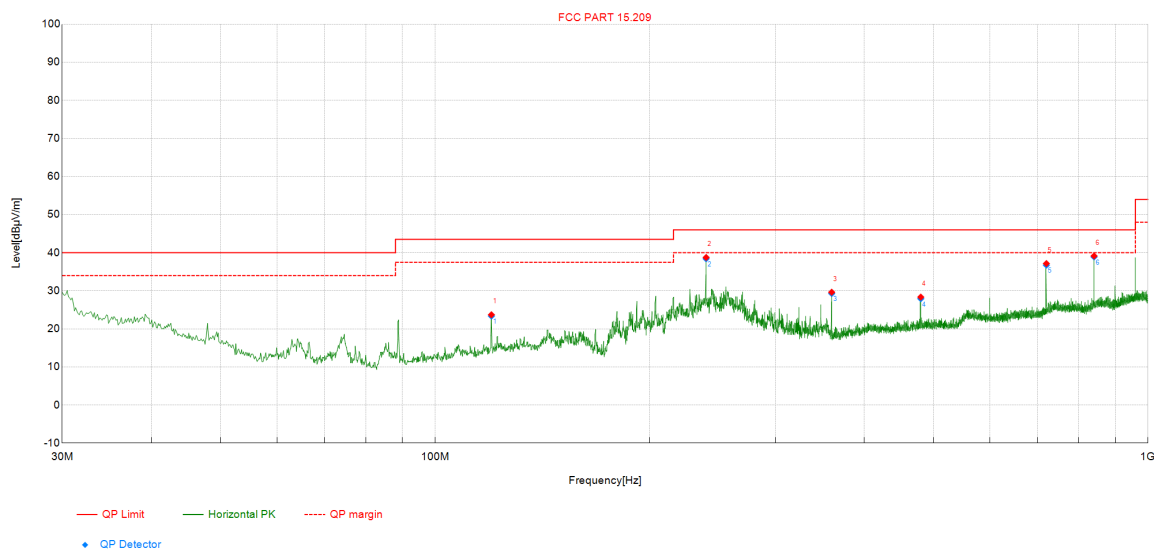
NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Pol	Verdict
1	2.86	39.36	18.32	57.68	69.54	11.86	V	PASS
2	3.43	39.43	18.25	57.68	69.54	11.86	V	PASS
3	3.94	39.51	18.86	58.37	69.54	11.17	V	PASS
4	6.04	39.34	19.12	58.46	69.54	11.08	V	PASS
5	7.95	39.36	17.71	57.07	69.54	12.47	V	PASS
6	9.25	39.33	18.99	58.32	69.54	11.22	V	PASS

Radiated Emission test (30MHz-1GHz)



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Pol	Verdict
1	30.36	-12.72	44.81	32.09	40.00	7.91	V	PASS
2	119.97	-23.13	53.02	29.89	43.50	13.61	V	PASS
3	240.01	-22.05	59.83	37.78	46.00	8.22	V	PASS
4	360.04	-18.80	48.87	30.07	46.00	15.93	V	PASS
5	720.16	-10.87	45.46	34.59	46.00	11.41	V	PASS
6	840.07	-8.55	42.80	34.25	46.00	11.75	V	PASS

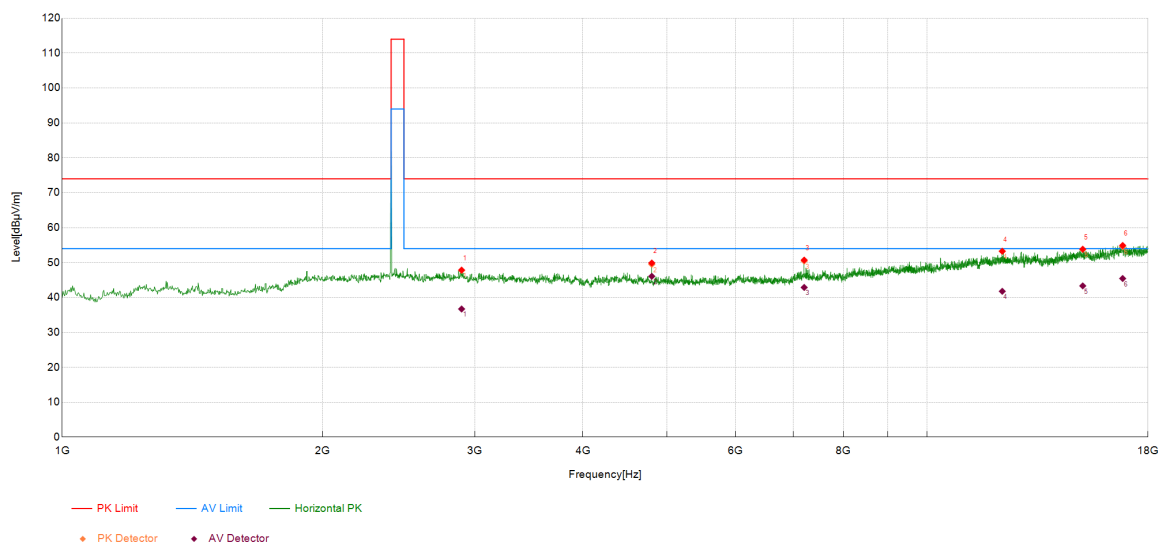


Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Pol	Verdict
1	119.97	-23.13	46.50	23.37	43.50	20.13	H	PASS
2	240.01	-22.05	60.46	38.41	46.00	7.59	H	PASS
3	360.04	-18.80	48.09	29.29	46.00	16.71	H	PASS
4	480.08	-15.56	43.49	27.93	46.00	18.07	H	PASS
5	720.16	-10.87	47.6	36.73	46.00	9.27	H	PASS
6	840.07	-8.55	47.45	38.90	46.00	7.10	H	PASS

Radiated Emission test (1GHz-18GHz)

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2402MHz	Horizontal



Suspected Data List

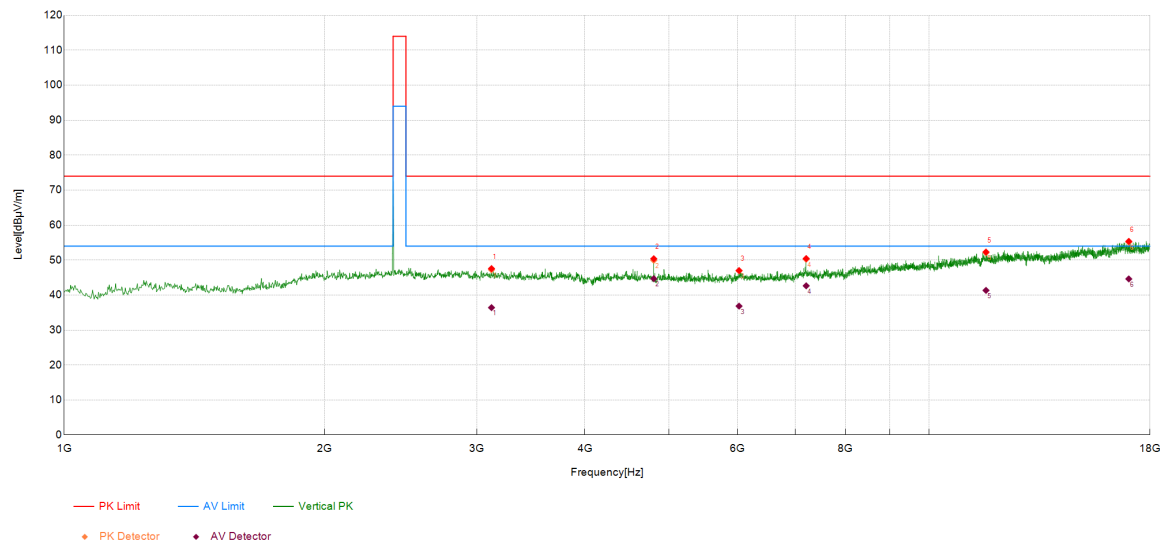
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2895.50	55.71	47.86	-7.85	74.00	26.14	100	305	PK	H	PASS
2	4803.75	56.55	49.89	-6.66	74.00	24.11	200	339	PK	H	PASS
3	7207.13	54.54	50.73	-3.81	74.00	23.27	200	26	PK	H	PASS
4	12211.50	49.93	53.26	3.33	74.00	20.74	100	168	PK	H	PASS
5	15129.13	46.86	53.84	6.98	74.00	20.16	100	120	PK	H	PASS
6	16824.88	45.47	54.91	9.44	74.00	19.09	200	0	PK	H	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2895.50	-7.85	55.64	47.79	74.00	26.21	44.56	36.71	54.00	17.29	H	PASS
2	4803.75	-6.66	56.16	49.50	74.00	24.50	52.74	46.08	54.00	7.92	H	PASS
3	7207.13	-3.81	54.25	50.44	74.00	23.56	46.70	42.89	54.00	11.11	H	PASS
4	12211.50	3.33	49.92	53.25	74.00	20.75	38.45	41.78	54.00	12.22	H	PASS
5	15129.13	6.98	46.8	53.78	74.00	20.22	36.35	43.33	54.00	10.67	H	PASS
6	16824.88	9.44	45.11	54.55	74.00	19.45	36.01	45.45	54.00	8.55	H	PASS

Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2402MHz	Vertical



Suspected Data List

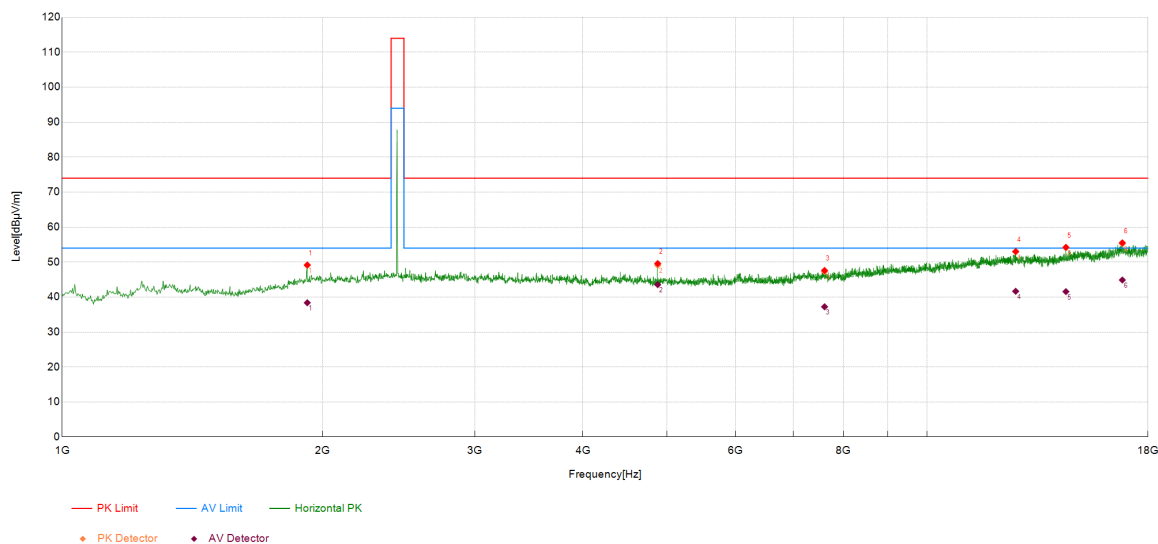
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	3118.63	55.81	47.56	-8.25	74.00	26.44	200	3	PK	V	PASS
2	4803.75	57.05	50.39	-6.66	74.00	23.61	100	292	PK	V	PASS
3	6027.75	51.40	47.00	-4.40	74.00	27.00	100	292	PK	V	PASS
4	7207.13	54.24	50.43	-3.81	74.00	23.57	100	241	PK	V	PASS
5	11631.38	49.55	52.30	2.75	74.00	21.70	100	181	PK	V	PASS
6	17009.75	46.08	55.35	9.27	74.00	18.65	200	92	PK	V	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	3118.63	-8.25	55.49	47.24	74.00	26.76	44.66	36.41	54.00	17.59	V	PASS
2	4803.75	-6.66	56.59	49.93	74.00	24.07	51.35	44.69	54.00	9.31	V	PASS
3	6027.75	-4.40	51.36	46.96	74.00	27.04	41.24	36.84	54.00	17.16	V	PASS
4	7207.13	-3.81	54.06	50.25	74.00	23.75	46.45	42.64	54.00	11.36	V	PASS
5	11631.38	2.75	49.38	52.13	74.00	21.87	38.59	41.34	54.00	12.66	V	PASS
6	17009.75	9.27	45.87	55.14	74.00	18.86	35.35	44.62	54.00	9.38	V	PASS

Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2440MHz	Horizontal



Suspected Data List

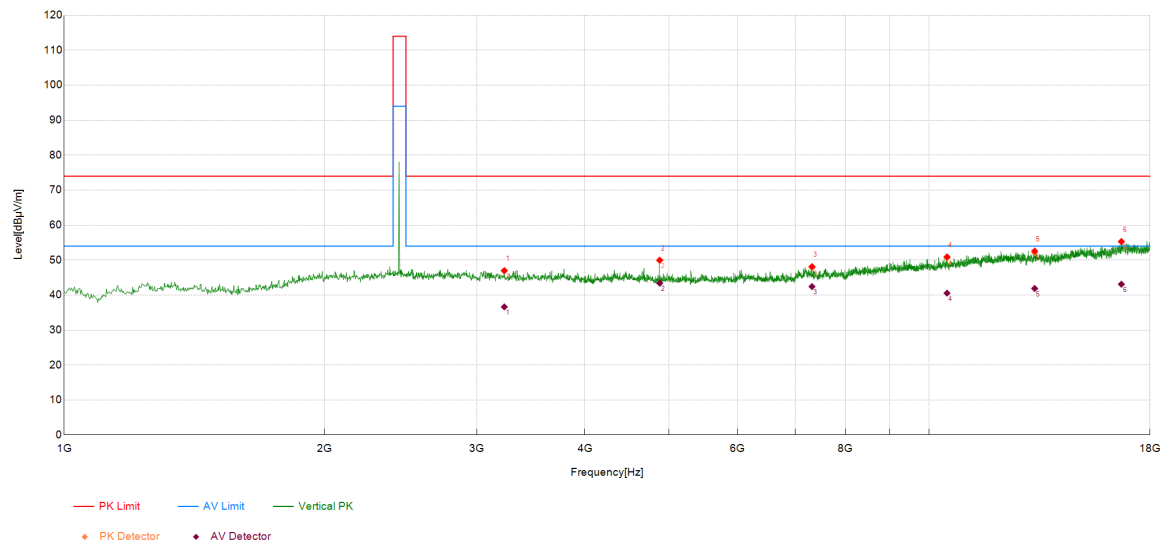
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1920.13	59.49	49.18	-10.31	74.00	24.82	200	360	PK	H	PASS
2	4880.25	55.94	49.59	-6.35	74.00	24.41	200	346	PK	H	PASS
3	7608.75	51.14	47.61	-3.53	74.00	26.39	200	249	PK	H	PASS
4	12655.63	49.20	53.02	3.82	74.00	20.98	200	318	PK	H	PASS
5	14466.13	48.53	54.23	5.70	74.00	19.77	100	62	PK	H	PASS
6	16810.00	46.04	55.51	9.47	74.00	18.49	200	328	PK	H	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	1920.13	-10.31	59.35	49.04	74.00	24.96	48.68	38.37	54.00	15.63	H	PASS
2	4880.25	-6.35	55.48	49.13	74.00	24.87	49.90	43.55	54.00	10.45	H	PASS
3	7608.75	-3.53	50.78	47.25	74.00	26.75	40.75	37.22	54.00	16.78	H	PASS
4	12655.63	3.82	49.11	52.93	74.00	21.07	37.83	41.65	54.00	12.35	H	PASS
5	14466.13	5.70	48.4	54.10	74.00	19.90	35.86	41.56	54.00	12.44	H	PASS
6	16810.00	9.47	45.78	55.25	74.00	18.75	35.41	44.88	54.00	9.12	H	PASS

Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2440MHz	Vertical



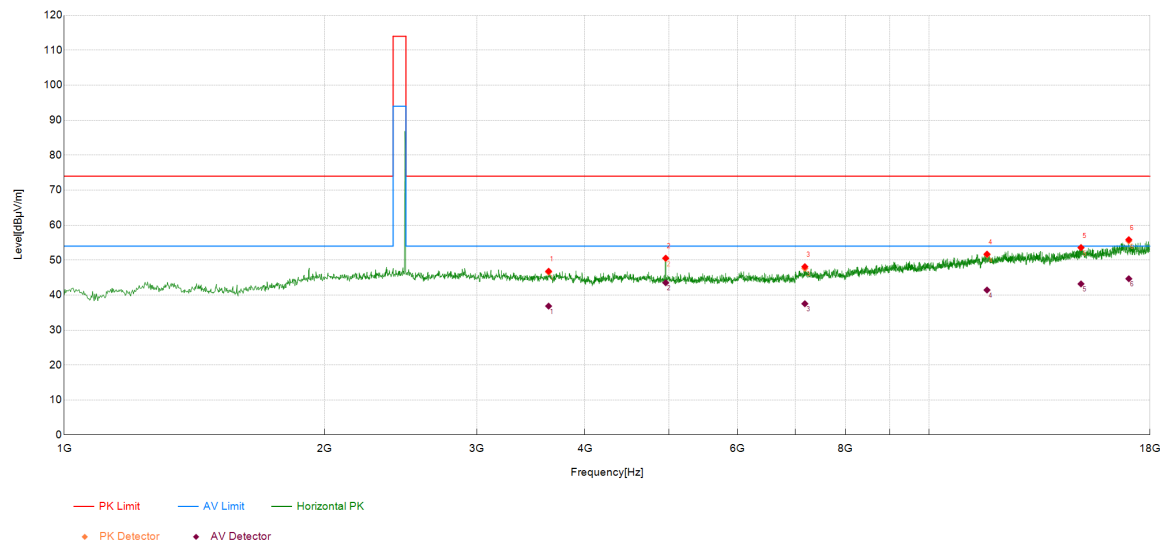
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	3227.00	55.18	46.98	-8.20	74.00	27.02	200	15	PK	V	PASS
2	4880.25	56.34	49.99	-6.35	74.00	24.01	100	292	PK	V	PASS
3	7319.75	51.96	48.12	-3.84	74.00	25.88	100	82	PK	V	PASS
4	10486.00	49.66	50.92	1.26	74.00	23.08	100	112	PK	V	PASS
5	13240.00	48.38	52.58	4.20	74.00	21.42	100	142	PK	V	PASS
6	16678.25	46.27	55.29	9.02	74.00	18.71	200	123	PK	V	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	3227.00	-8.20	55.15	46.95	74.00	27.05	44.82	36.62	54.00	17.38	V	PASS
2	4880.25	-6.35	56.23	49.88	74.00	24.12	49.74	43.39	54.00	10.61	V	PASS
3	7319.75	-3.84	51.71	47.87	74.00	26.13	46.27	42.43	54.00	11.57	V	PASS
4	10486.00	1.26	49.42	50.68	74.00	23.32	39.29	40.55	54.00	13.45	V	PASS
5	13240.00	4.20	47.92	52.12	74.00	21.88	37.68	41.88	54.00	12.12	V	PASS
6	16678.25	9.02	46.27	55.29	74.00	18.71	34.08	43.10	54.00	10.90	V	PASS

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2480MHz	Horizontal



Suspected Data List

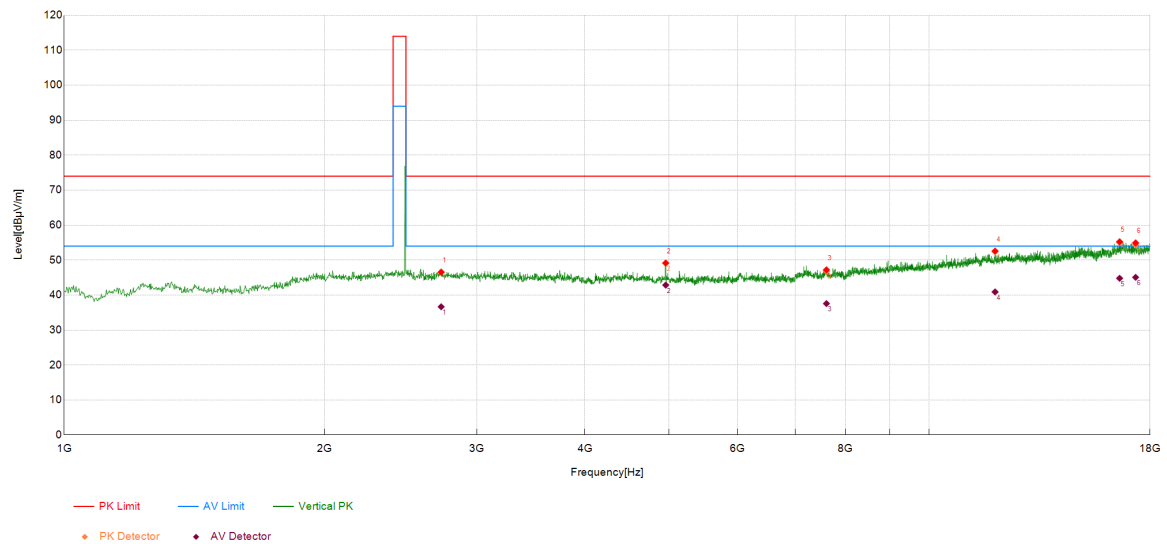
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	3630.75	54.62	46.81	-7.81	74.00	27.19	100	83	PK	H	PASS
2	4958.88	56.50	50.55	-5.95	74.00	23.45	100	171	PK	H	PASS
3	7181.63	51.97	48.12	-3.85	74.00	25.88	100	151	PK	H	PASS
4	11663.25	48.98	51.70	2.72	74.00	22.30	100	250	PK	H	PASS
5	14978.25	46.83	53.57	6.74	74.00	20.43	100	72	PK	H	PASS
6	17011.88	46.56	55.84	9.28	74.00	18.16	200	359	PK	H	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	3630.75	-7.81	54.36	46.55	74.00	27.45	44.65	36.84	54.00	17.16	H	PASS
2	4958.88	-5.95	56.42	50.47	74.00	23.53	49.47	43.52	54.00	10.48	H	PASS
3	7181.63	-3.85	51.49	47.64	74.00	26.36	41.37	37.52	54.00	16.48	H	PASS
4	11663.25	2.72	48.77	51.49	74.00	22.51	38.72	41.44	54.00	12.56	H	PASS
5	14978.25	6.74	46.82	53.56	74.00	20.44	36.45	43.19	54.00	10.81	H	PASS
6	17011.88	9.28	46.19	55.47	74.00	18.53	35.39	44.67	54.00	9.33	H	PASS

Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-1Mbps	2480MHz	Vertical



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2727.63	54.98	46.57	-8.41	74.00	27.43	200	42	PK	V	PASS
2	4958.88	55.10	49.15	-5.95	74.00	24.85	100	301	PK	V	PASS
3	7606.63	50.75	47.22	-3.53	74.00	26.78	200	261	PK	V	PASS
4	11916.13	49.56	52.58	3.02	74.00	21.42	200	270	PK	V	PASS
5	16599.63	46.18	55.24	9.06	74.00	18.76	100	355	PK	V	PASS
6	17322.13	45.12	54.91	9.79	74.00	19.09	200	102	PK	V	PASS

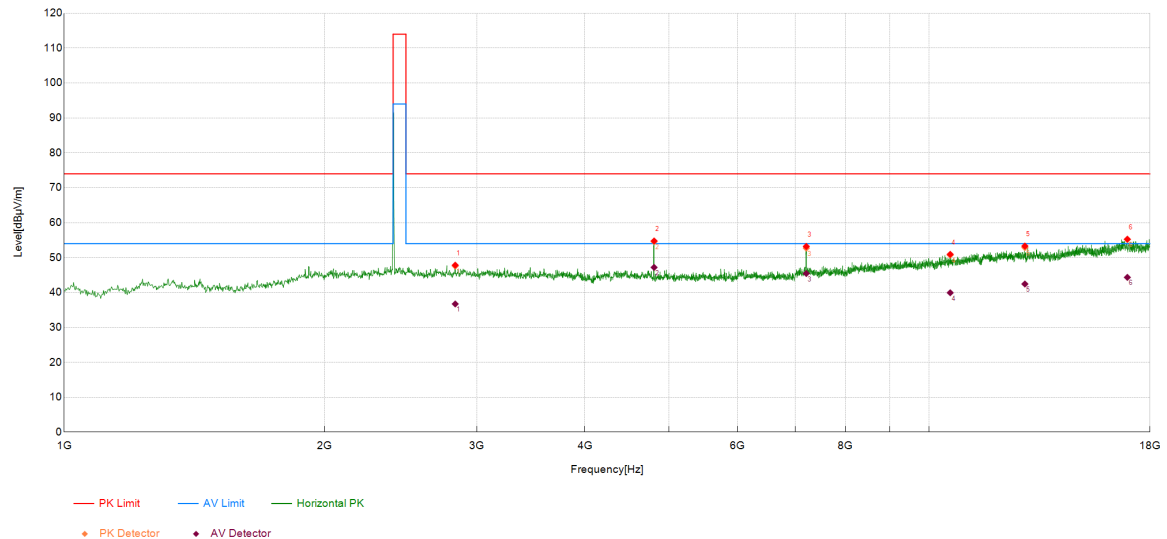
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2727.63	-8.41	54.86	46.45	74.00	27.55	45.06	36.65	54.00	17.35	V	PASS
2	4958.88	-5.95	55.08	49.13	74.00	24.87	48.80	42.85	54.00	11.15	V	PASS
3	7606.63	-3.53	50.33	46.80	74.00	27.20	41.09	37.56	54.00	16.44	V	PASS
4	11916.13	3.02	49.42	52.44	74.00	21.56	37.87	40.89	54.00	13.11	V	PASS
5	16599.63	9.06	45.99	55.05	74.00	18.95	35.73	44.79	54.00	9.21	V	PASS
6	17322.13	9.79	44.63	54.42	74.00	19.58	35.28	45.07	54.00	8.93	V	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2404MHz	Horizontal



Suspected Data List

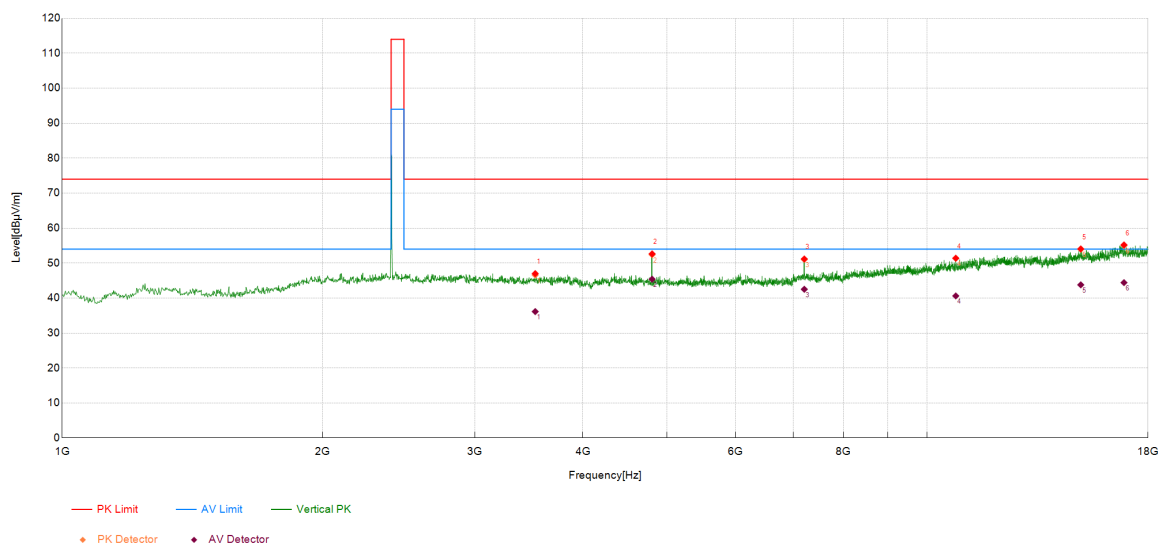
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2831.75	56.23	47.84	-8.39	74.00	26.16	100	0	PK	H	PASS
2	4808.00	61.43	54.77	-6.66	74.00	19.23	200	31	PK	H	PASS
3	7209.25	57.00	53.20	-3.80	74.00	20.80	100	23	PK	H	PASS
4	10575.25	49.65	50.94	1.29	74.00	23.06	200	217	PK	H	PASS
5	12900.00	49.22	53.31	4.09	74.00	20.69	200	336	PK	H	PASS
6	16946.00	46.02	55.27	9.25	74.00	18.73	200	197	PK	H	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2831.75	-8.39	55.97	47.58	74.00	26.42	45.11	36.72	54.00	17.28	H	PASS
2	4808.00	-6.66	61.26	54.60	74.00	19.40	53.85	47.19	54.00	6.81	H	PASS
3	7209.25	-3.80	56.51	52.71	74.00	21.29	49.25	45.45	54.00	8.55	H	PASS
4	10575.25	1.29	49.44	50.73	74.00	23.27	38.64	39.93	54.00	14.07	H	PASS
5	12900.00	4.09	48.79	52.88	74.00	21.12	38.35	42.44	54.00	11.56	H	PASS
6	16946.00	9.25	45.96	55.21	74.00	18.79	35.09	44.34	54.00	9.66	H	PASS

Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2404MHz	Vertical



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	3522.38	55.00	46.99	-8.01	74.00	27.01	100	359	PK	V	PASS
2	4808.00	59.29	52.63	-6.66	74.00	21.37	100	292	PK	V	PASS
3	7209.25	54.98	51.18	-3.80	74.00	22.82	100	251	PK	V	PASS
4	10789.88	49.54	51.40	1.86	74.00	22.60	200	174	PK	V	PASS
5	15048.38	47.22	54.05	6.83	74.00	19.95	200	290	PK	V	PASS
6	16884.38	45.87	55.20	9.33	74.00	18.80	200	144	PK	V	PASS

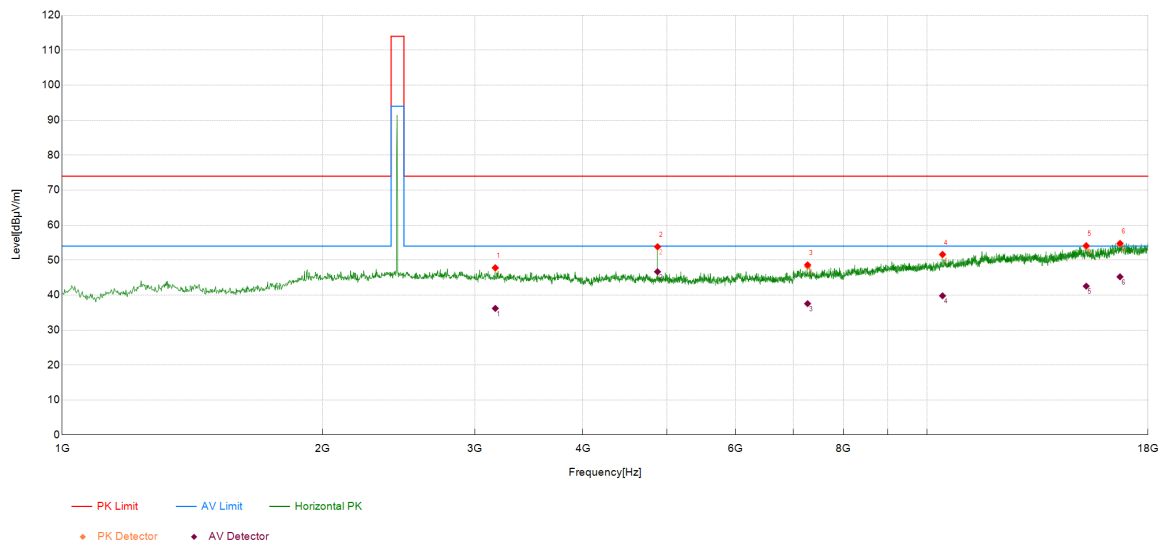
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	3522.38	-8.01	54.6	46.59	74.00	27.41	44.15	36.14	54.00	17.86	V	PASS
2	4808.00	-6.66	59.07	52.41	74.00	21.59	52.05	45.39	54.00	8.61	V	PASS
3	7209.25	-3.80	54.85	51.05	74.00	22.95	46.31	42.51	54.00	11.49	V	PASS
4	10789.88	1.86	49.51	51.37	74.00	22.63	38.75	40.61	54.00	13.39	V	PASS
5	15048.38	6.83	47.15	53.98	74.00	20.02	36.95	43.78	54.00	10.22	V	PASS
6	16884.38	9.33	45.67	55.00	74.00	19.00	35.08	44.41	54.00	9.59	V	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2440MHz	Horizontal



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	3167.50	55.99	47.82	-8.17	74.00	26.18	200	52	PK	H	PASS
2	4878.13	60.19	53.82	-6.37	74.00	20.18	200	328	PK	H	PASS
3	7273.00	52.32	48.64	-3.68	74.00	25.36	200	140	PK	H	PASS
4	10415.88	50.59	51.64	1.05	74.00	22.36	200	110	PK	H	PASS
5	15269.38	47.36	54.14	6.78	74.00	19.86	100	171	PK	H	PASS
6	16705.88	45.67	54.79	9.12	74.00	19.21	200	288	PK	H	PASS

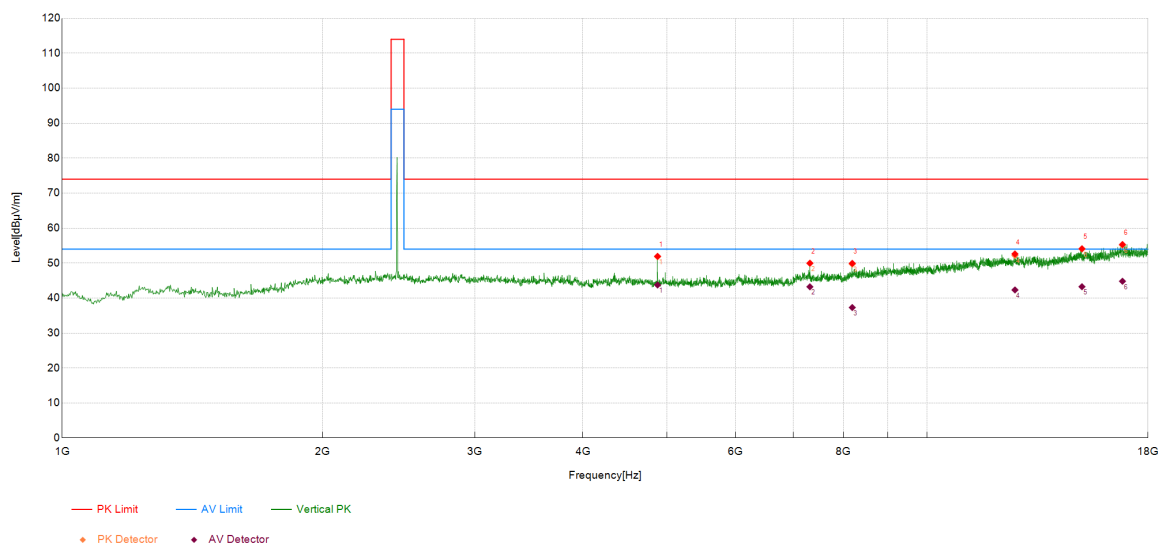
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	3167.50	-8.17	55.85	47.68	74.00	26.32	44.36	36.19	54.00	17.81	H	PASS
2	4878.13	-6.37	60.14	53.77	74.00	20.23	53.04	46.67	54.00	7.33	H	PASS
3	7273.00	-3.68	51.87	48.19	74.00	25.81	41.23	37.55	54.00	16.45	H	PASS
4	10415.88	1.05	50.42	51.47	74.00	22.53	38.74	39.79	54.00	14.21	H	PASS
5	15269.38	6.78	47.06	53.84	74.00	20.16	35.77	42.55	54.00	11.45	H	PASS
6	16705.88	9.12	45.43	54.55	74.00	19.45	36.10	45.22	54.00	8.78	H	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2440MHz	Vertical



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	4878.13	58.30	51.93	-6.37	74.00	22.07	100	302	PK	V	PASS
2	7317.63	53.80	49.96	-3.84	74.00	24.04	100	82	PK	V	PASS
3	8191.00	52.69	49.93	-2.76	74.00	24.07	100	22	PK	V	PASS
4	12630.13	48.82	52.62	3.80	74.00	21.38	100	82	PK	V	PASS
5	15097.25	47.14	54.10	6.96	74.00	19.90	100	103	PK	V	PASS
6	16816.38	45.85	55.32	9.47	74.00	18.68	200	357	PK	V	PASS

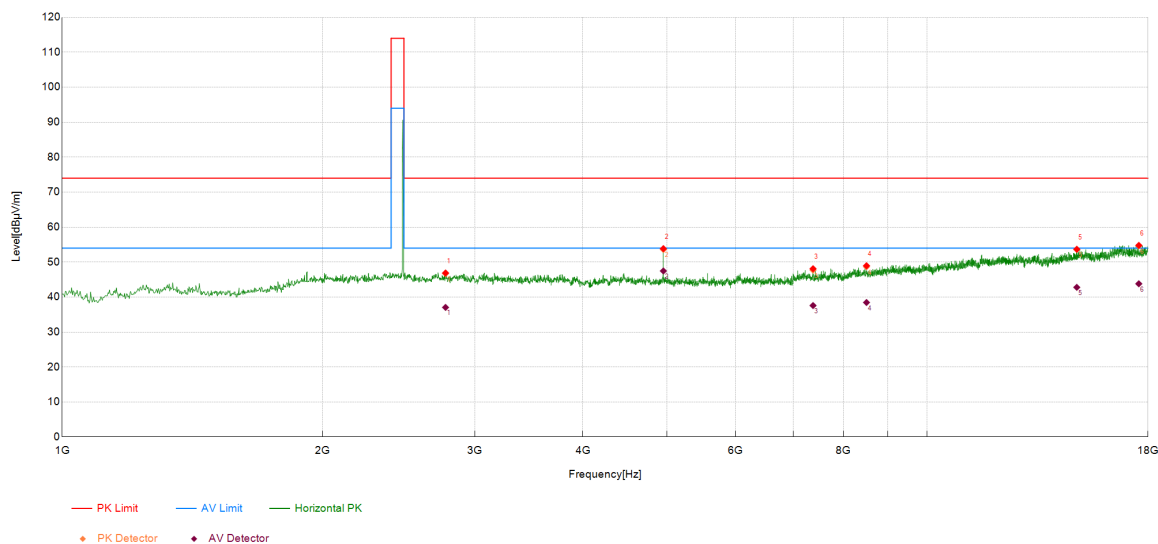
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	4878.13	-6.37	58.2	51.83	74.00	22.17	50.11	43.74	54.00	10.26	V	PASS
2	7317.63	-3.84	53.8	49.96	74.00	24.04	47.06	43.22	54.00	10.78	V	PASS
3	8191.00	-2.76	52.47	49.71	74.00	24.29	40.05	37.29	54.00	16.71	V	PASS
4	12630.13	3.80	48.37	52.17	74.00	21.83	38.52	42.32	54.00	11.68	V	PASS
5	15097.25	6.96	47.07	54.03	74.00	19.97	36.28	43.24	54.00	10.76	V	PASS
6	16816.38	9.47	45.65	55.12	74.00	18.88	35.33	44.80	54.00	9.20	V	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2478MHz	Horizontal



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2774.38	55.37	46.89	-8.48	74.00	27.11	200	329	PK	H	PASS
2	4954.63	59.81	53.85	-5.96	74.00	20.15	100	179	PK	H	PASS
3	7379.25	51.98	48.10	-3.88	74.00	25.90	100	81	PK	H	PASS
4	8507.63	51.25	48.96	-2.29	74.00	25.04	200	240	PK	H	PASS
5	14891.13	47.21	53.66	6.45	74.00	20.34	200	151	PK	H	PASS
6	17564.38	45.25	54.78	9.53	74.00	19.22	200	72	PK	H	PASS

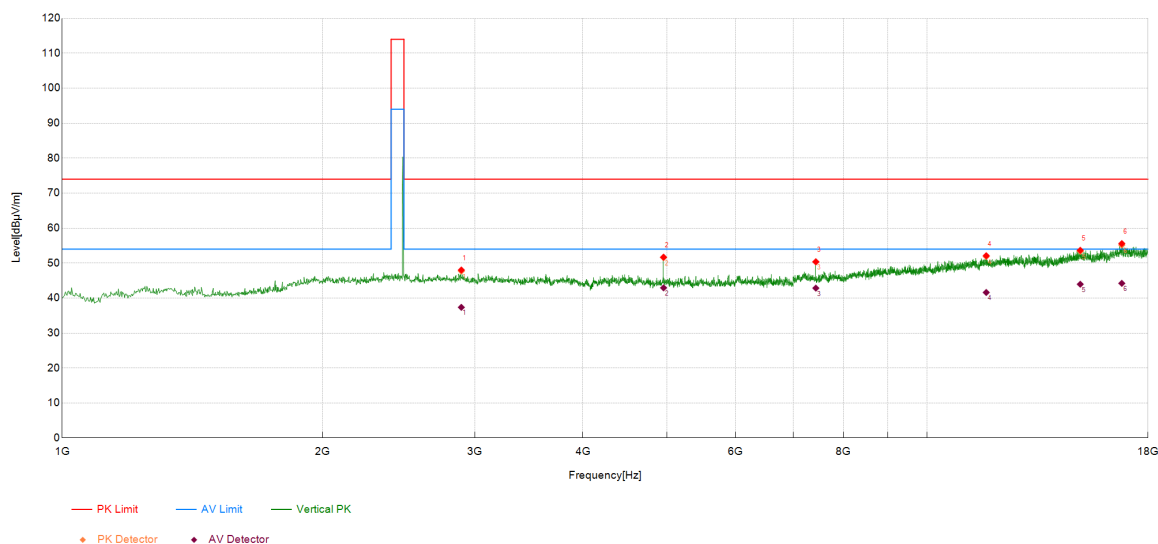
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2774.38	-8.48	55.2	46.72	74.00	27.28	45.52	37.04	54.00	16.96	H	PASS
2	4954.63	-5.96	59.56	53.60	74.00	20.40	53.42	47.46	54.00	6.54	H	PASS
3	7379.25	-3.88	51.59	47.71	74.00	26.29	41.45	37.57	54.00	16.43	H	PASS
4	8507.63	-2.29	50.96	48.67	74.00	25.33	40.74	38.45	54.00	15.55	H	PASS
5	14891.13	6.45	47.19	53.64	74.00	20.36	36.33	42.78	54.00	11.22	H	PASS
6	17564.38	9.53	45.11	54.64	74.00	19.36	34.27	43.80	54.00	10.20	H	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Mode	Test channel	Ant. Pol.
BLE-2Mbps	2478MHz	Vertical



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2893.38	55.90	48.02	-7.88	74.00	25.98	100	261	PK	V	PASS
2	4956.75	57.64	51.69	-5.95	74.00	22.31	100	291	PK	V	PASS
3	7434.50	54.11	50.37	-3.74	74.00	23.63	100	81	PK	V	PASS
4	11701.50	49.40	52.11	2.71	74.00	21.89	200	200	PK	V	PASS
5	15029.25	46.85	53.67	6.82	74.00	20.33	100	250	PK	V	PASS
6	16786.63	46.11	55.58	9.47	74.00	18.42	200	357	PK	V	PASS

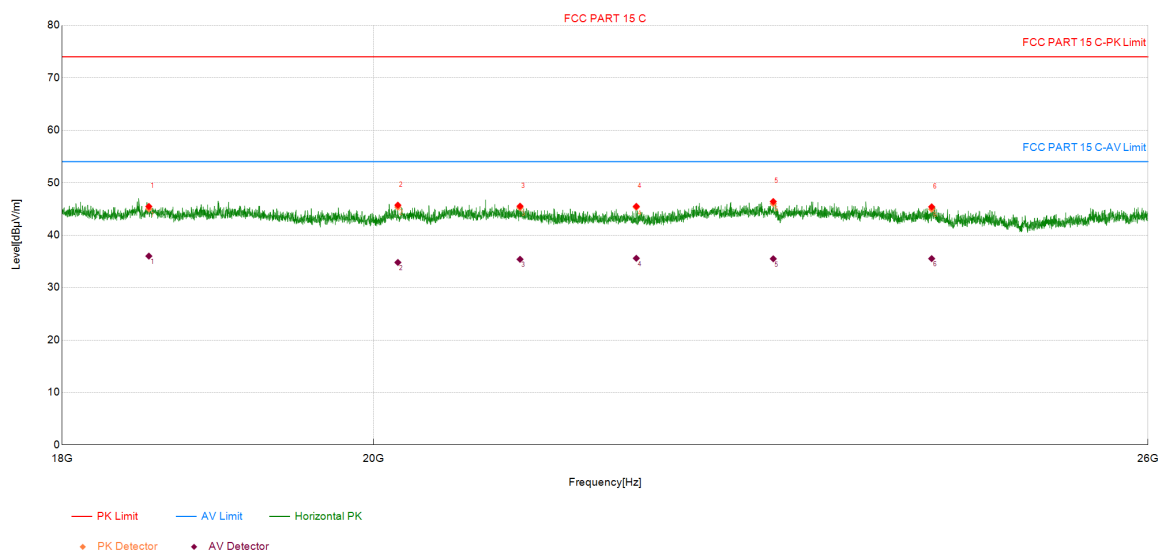
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2893.38	-7.88	55.59	47.71	74.00	26.29	45.23	37.35	54.00	16.65	V	PASS
2	4956.75	-5.95	57.51	51.56	74.00	22.44	48.87	42.92	54.00	11.08	V	PASS
3	7434.50	-3.74	54.08	50.34	74.00	23.66	46.58	42.84	54.00	11.16	V	PASS
4	11701.50	2.71	49.15	51.86	74.00	22.14	38.89	41.60	54.00	12.40	V	PASS
5	15029.25	6.82	46.55	53.37	74.00	20.63	37.13	43.95	54.00	10.05	V	PASS
6	16786.63	9.47	45.69	55.16	74.00	18.84	34.74	44.21	54.00	9.79	V	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Radiated Emission test (18GHz-26GHz)

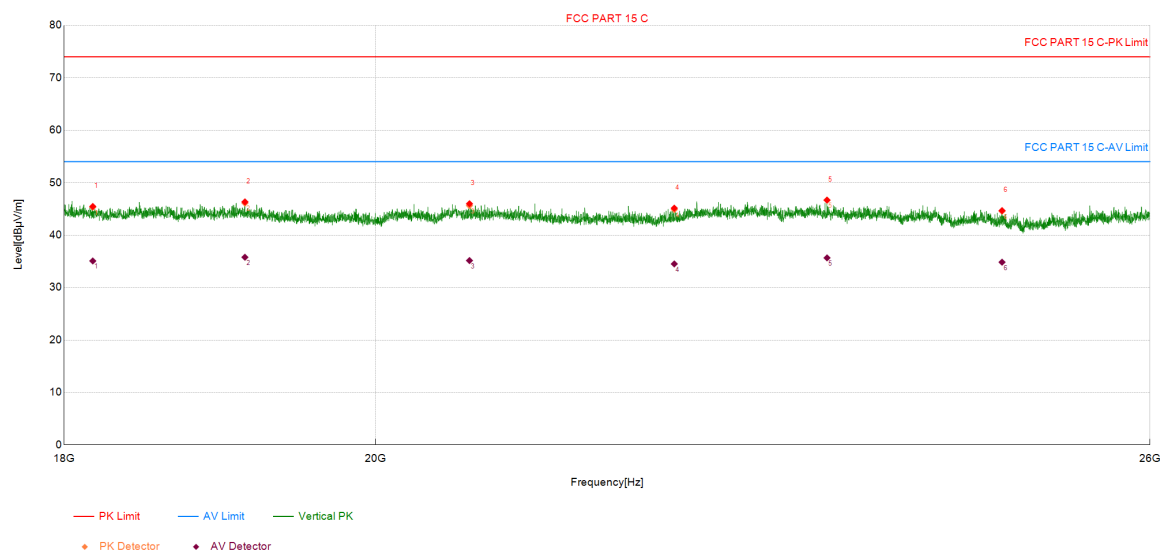


Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	18536.00	-1.02	46.02	45.00	74.00	29.00	37.02	36.00	54.00	18.00	H	PASS
2	20167.00	-3.08	48.42	45.34	74.00	28.66	37.87	34.79	54.00	19.21	H	PASS
3	21019.00	-3.75	48.98	45.23	74.00	28.77	39.14	35.39	54.00	18.61	H	PASS
4	21863.00	-4.55	49.85	45.30	74.00	28.70	40.13	35.58	54.00	18.42	H	PASS
5	22901.00	-2.99	48.99	46.00	74.00	28.00	38.48	35.49	54.00	18.51	H	PASS
6	24163.00	-3.98	48.92	44.94	74.00	29.06	39.50	35.52	54.00	18.48	H	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	18175.00	-0.91	46.22	45.31	74.00	28.69	35.98	35.07	54.00	18.93	V	PASS
2	19136.00	-1.91	48.01	46.10	74.00	27.90	37.69	35.78	54.00	18.22	V	PASS
3	20648.00	-3.53	49.14	45.61	74.00	28.39	38.68	35.15	54.00	18.85	V	PASS
4	22131.00	-3.87	48.73	44.86	74.00	29.14	38.38	34.51	54.00	19.49	V	PASS
5	23306.00	-3.29	49.96	46.67	74.00	27.33	38.95	35.66	54.00	18.34	V	PASS
6	24729.00	-4.48	49.03	44.55	74.00	29.45	39.32	34.84	54.00	19.16	V	PASS

Note: (1) Level = Reading + Factor

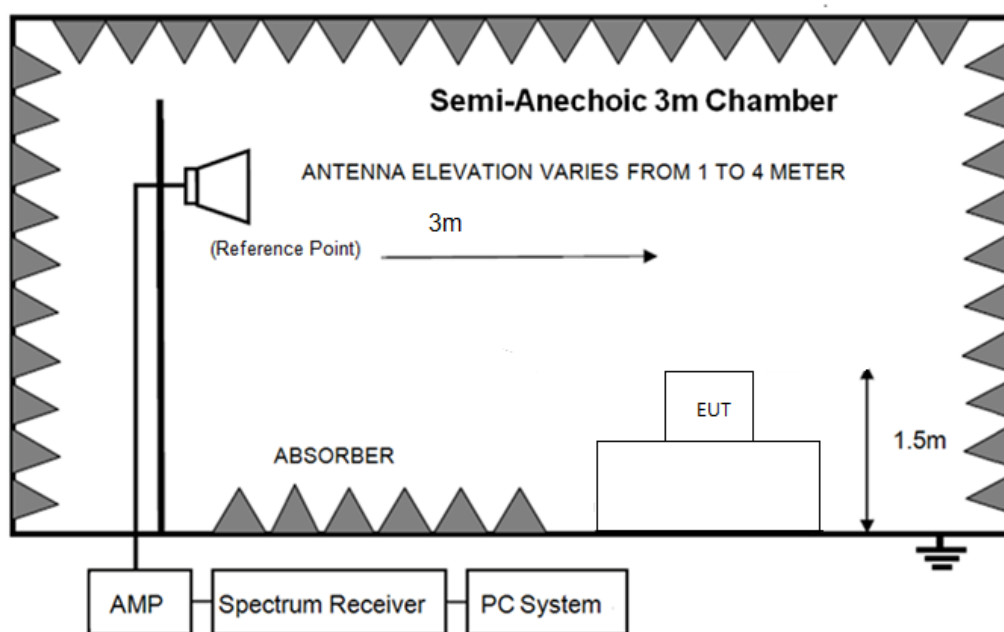
(2) Margin = Limit - Level

6. Radiated Band Edge Compliance

6.1. General Information

Test date	May. 10, 2026	Test engineer	Caleb Fu	
Climate condition	Ambient temperature	23.6°C	Relative humidity	52.6%
	Atmospheric pressure	102.3kPa		
Test place	3m Chamber			

6.2. Block diagram of test setup



6.3. Limit

All the lower and upper band-edges emissions appearing within 2310 MHz to 2390 MHz and 2483.5 MHz to 2500 MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

6.4. Test Procedure

Same with clause 5.4 except change investigated frequency range.

Remark: All restriction band have been tested, and only the worst case is shown in report.

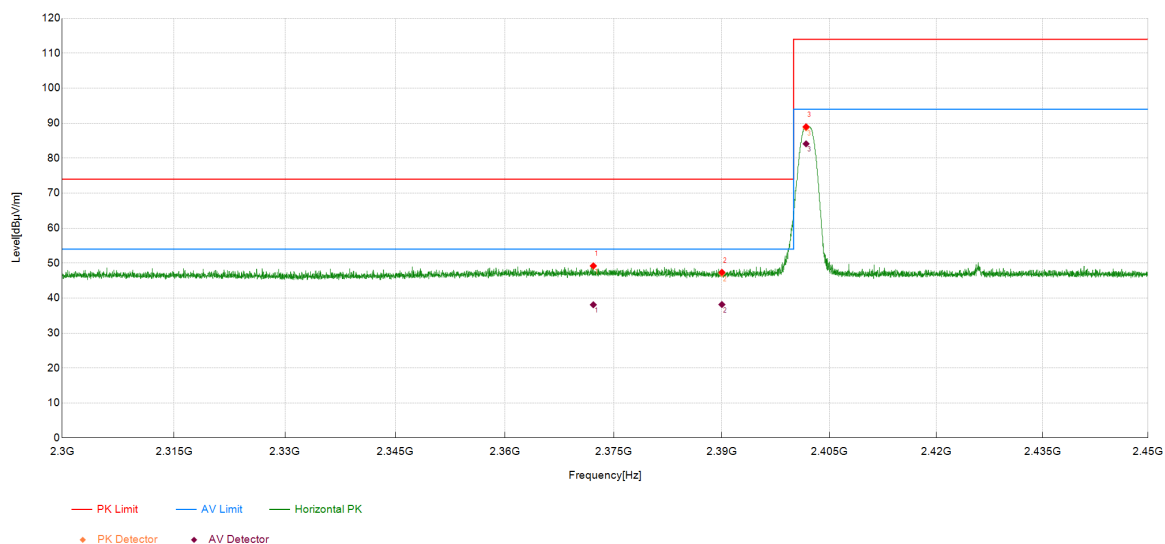
6.5. Test result

Pass. (See below detailed test result)

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2402MHz	Horizontal

Test Graph



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2372.19	-8.67	57.8	49.13	74.00	24.87	46.76	38.09	54.00	15.91	H	PASS
2	2390.00	-8.50	55.47	46.97	74.00	27.03	46.65	38.15	54.00	15.85	H	PASS
3	2401.74	-8.41	97.07	88.66	114.00	25.34	92.51	84.10	94.00	9.90	H	PASS

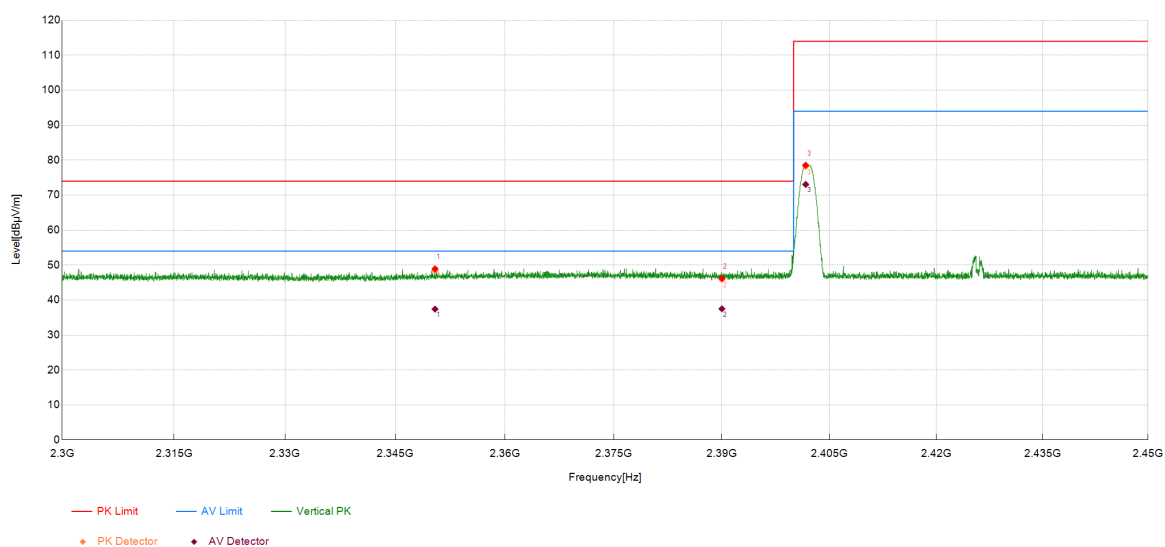
Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2402MHz	Vertical

Test Graph



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2350.44	-8.90	57.35	48.45	74.00	25.55	46.31	37.41	54.00	16.59	V	PASS
2	2390.00	-8.50	54.4	45.90	74.00	28.10	45.99	37.49	54.00	16.51	V	PASS
3	2401.68	-8.41	86.63	78.22	114.00	35.78	81.47	73.06	94.00	20.94	V	PASS

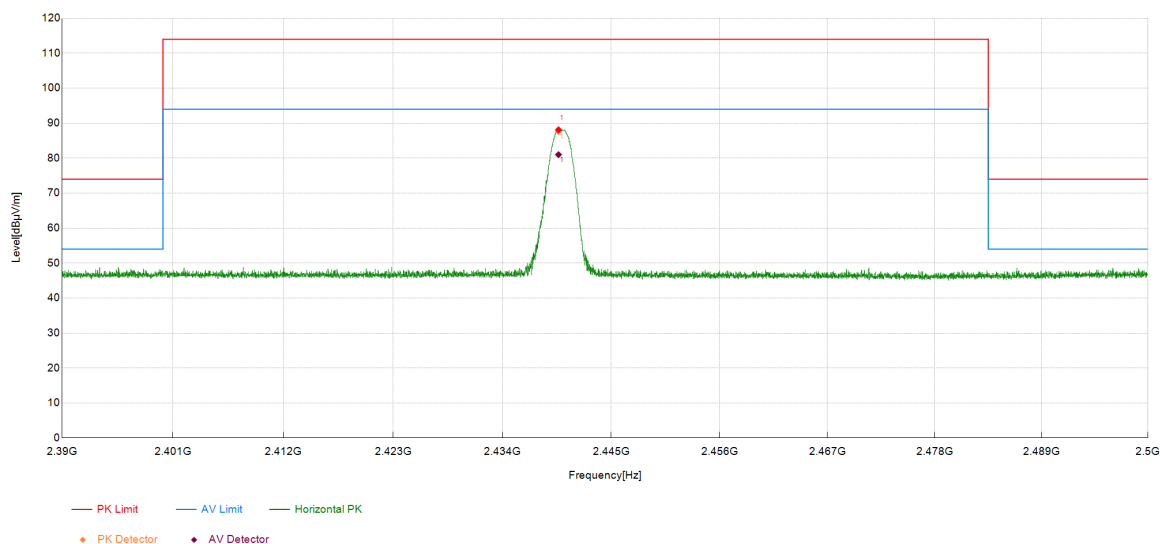
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2440MHz	Horizontal

Test Graph



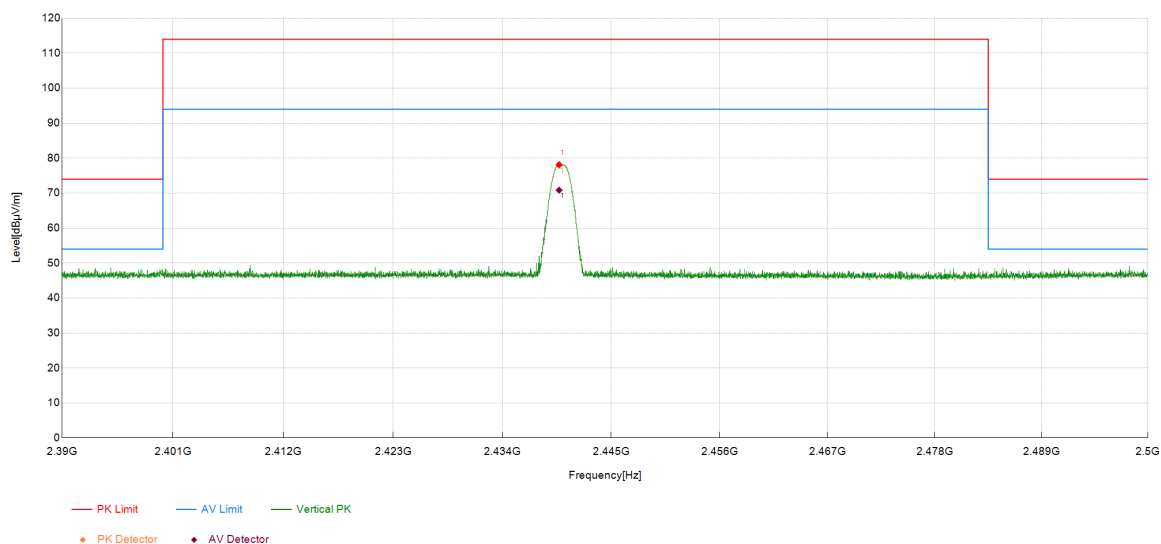
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2439.67	-8.54	96.2	87.66	114.00	26.34	89.54	81.00	94.00	13.00	H	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2440MHz	Vertical

Test Graph



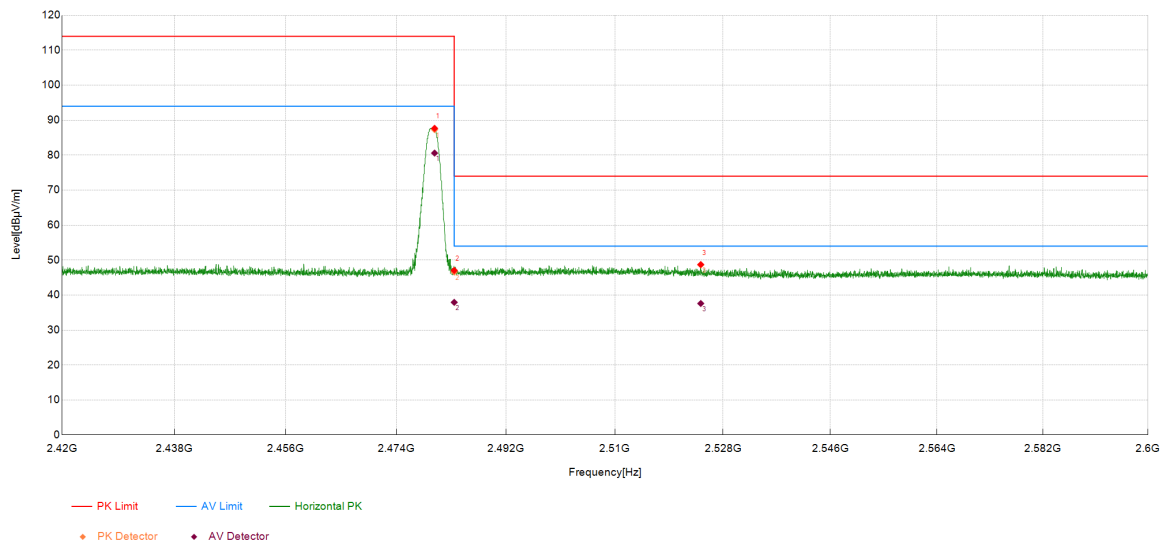
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2439.72	-8.54	86.5	77.96	114.00	36.04	79.39	70.85	94.00	23.15	V	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2480MHz	Horizontal

Test Graph



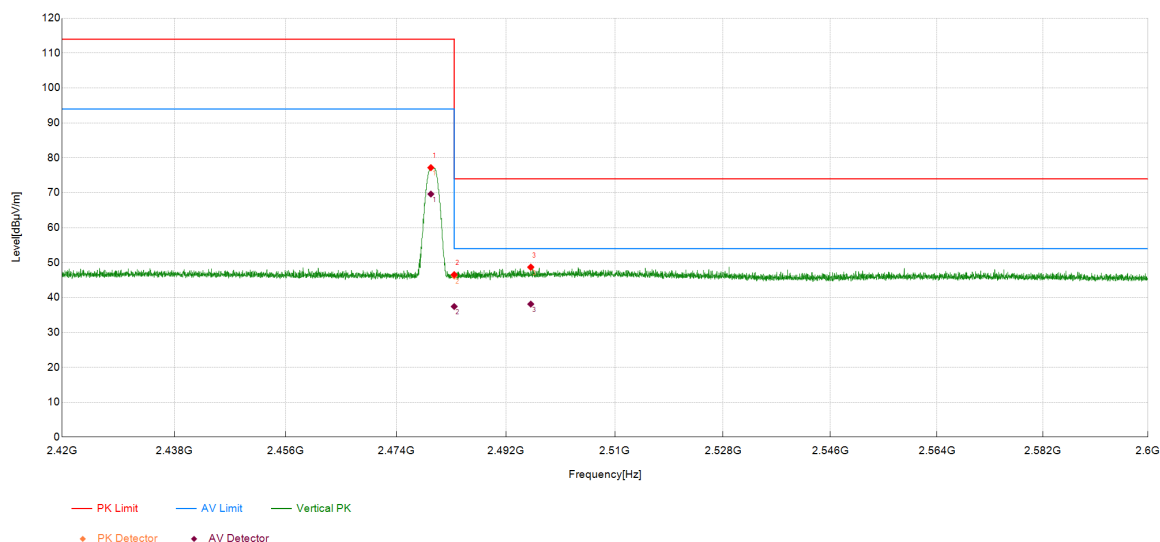
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2480.28	-8.57	95.88	87.31	114.00	26.69	89.17	80.60	94.00	13.40	H	PASS
2	2483.50	-8.57	55.15	46.58	114.00	67.42	46.49	37.92	94.00	56.08	H	PASS
3	2524.29	-8.78	57.41	48.63	74.00	25.37	46.37	37.59	54.00	16.41	H	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-1M	2480MHz	Vertical

Test Graph



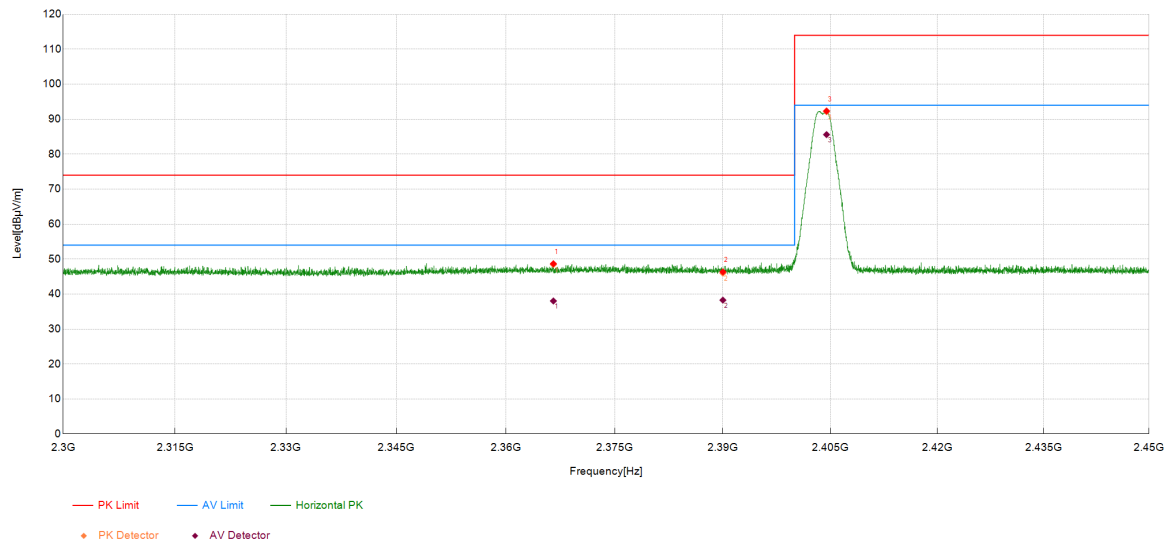
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2479.67	-8.57	85.76	77.19	114.00	36.81	78.20	69.63	94.00	24.37	V	PASS
2	2483.50	-8.57	54.73	46.16	114.00	67.84	45.99	37.42	94.00	56.58	V	PASS
3	2496.10	-8.57	57.17	48.60	74.00	25.40	46.69	38.12	54.00	15.88	V	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2404MHz	Horizontal

Test Graph



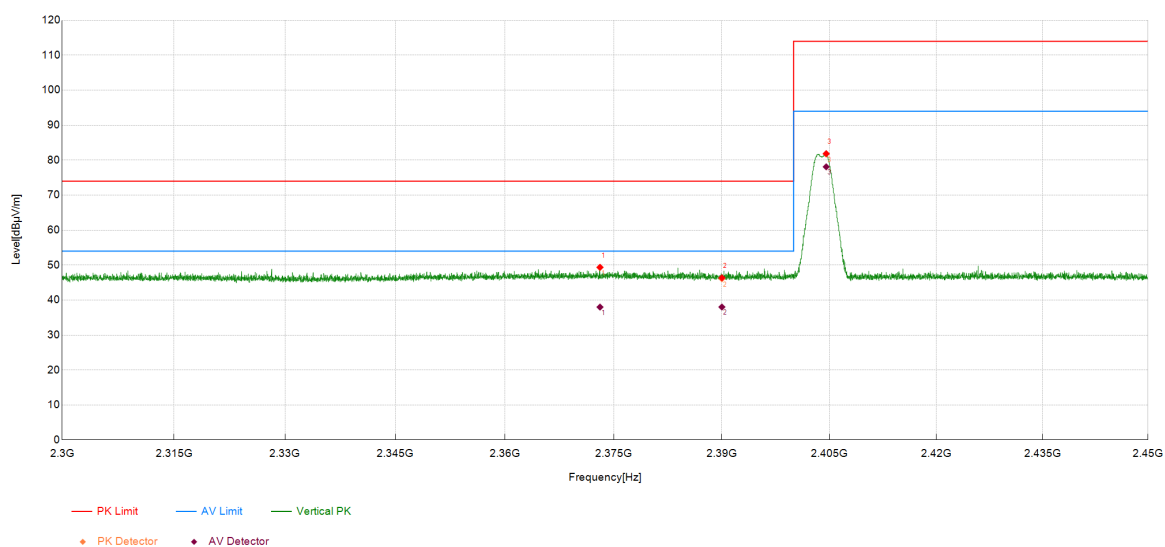
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2366.54	-8.73	57.17	48.44	74.00	25.56	46.75	38.02	54.00	15.98	H	PASS
2	2390.00	-8.50	54.48	45.98	74.00	28.02	46.76	38.26	54.00	15.74	H	PASS
3	2404.46	-8.41	100.56	92.15	114.00	21.85	94.00	85.59	94.00	8.41	H	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2404MHz	Vertical

Test Graph



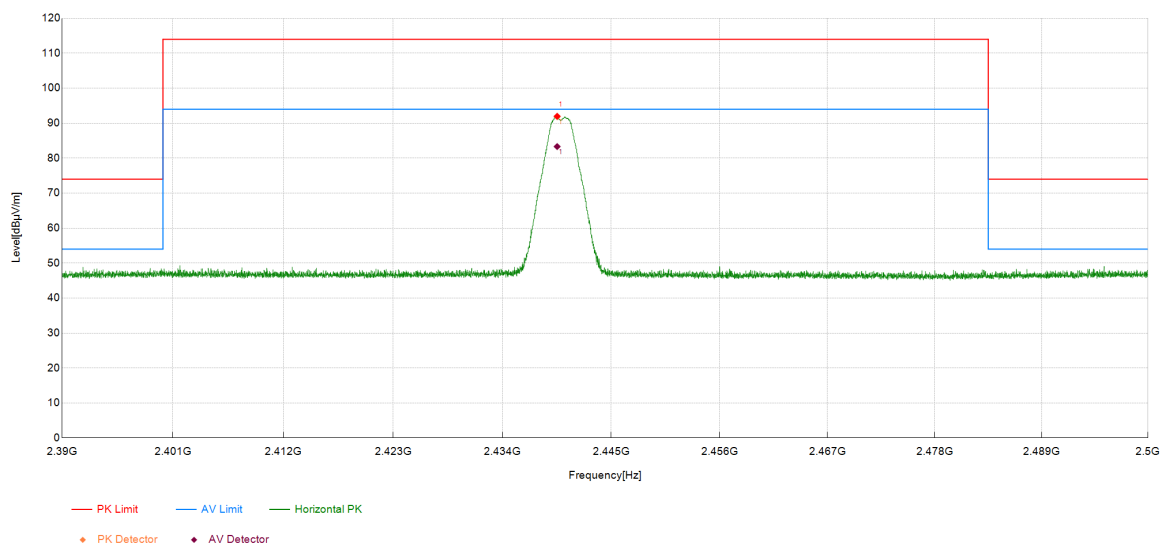
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2373.11	-8.67	57.98	49.31	74.00	24.69	46.66	37.99	54.00	16.01	V	PASS
2	2390.00	-8.50	54.6	46.10	74.00	27.90	46.51	38.01	54.00	15.99	V	PASS
3	2404.55	-8.41	90.18	81.77	114.00	32.23	86.50	78.09	94.00	15.91	V	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2440MHz	Horizontal

Test Graph



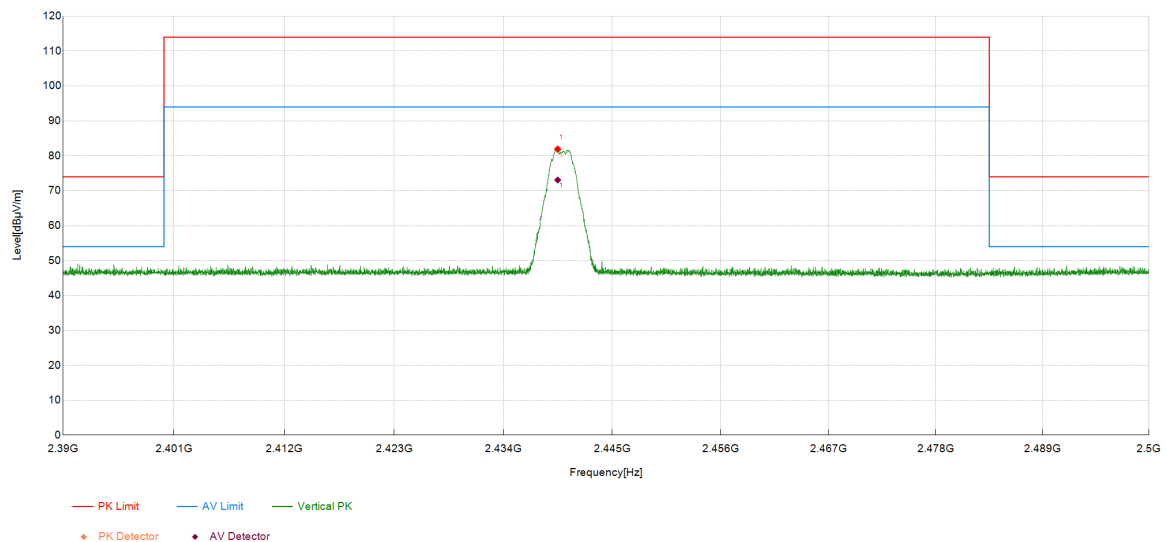
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2439.53	-8.54	100.41	91.87	114.00	22.13	91.85	83.31	94.00	10.69	H	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2440MHz	Vertical

Test Graph



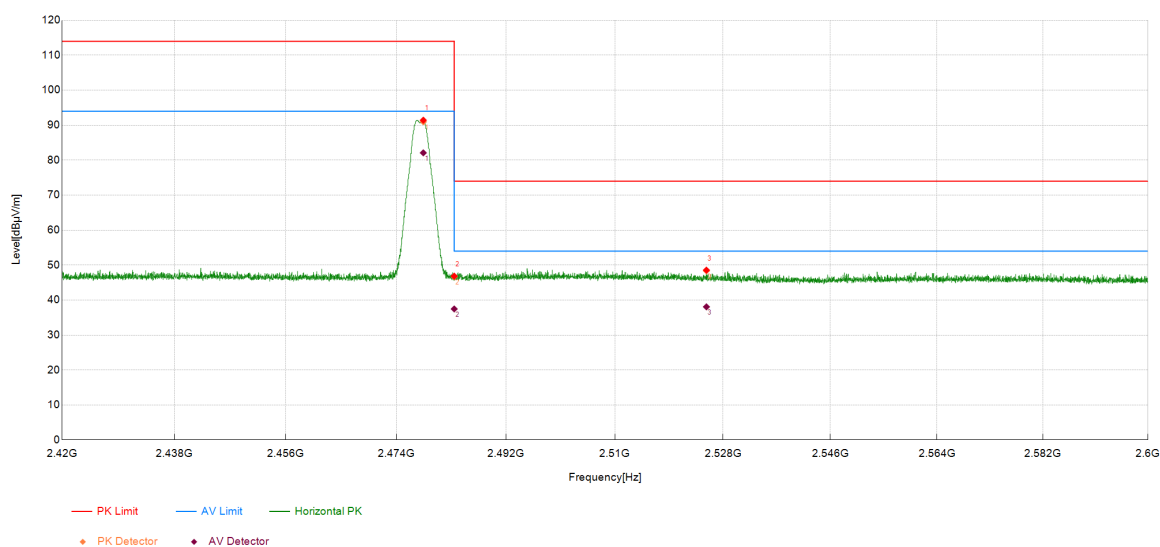
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2439.49	-8.54	90.32	81.78	114.00	32.22	81.62	73.08	94.00	20.92	V	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2478MHz	Horizontal

Test Graph



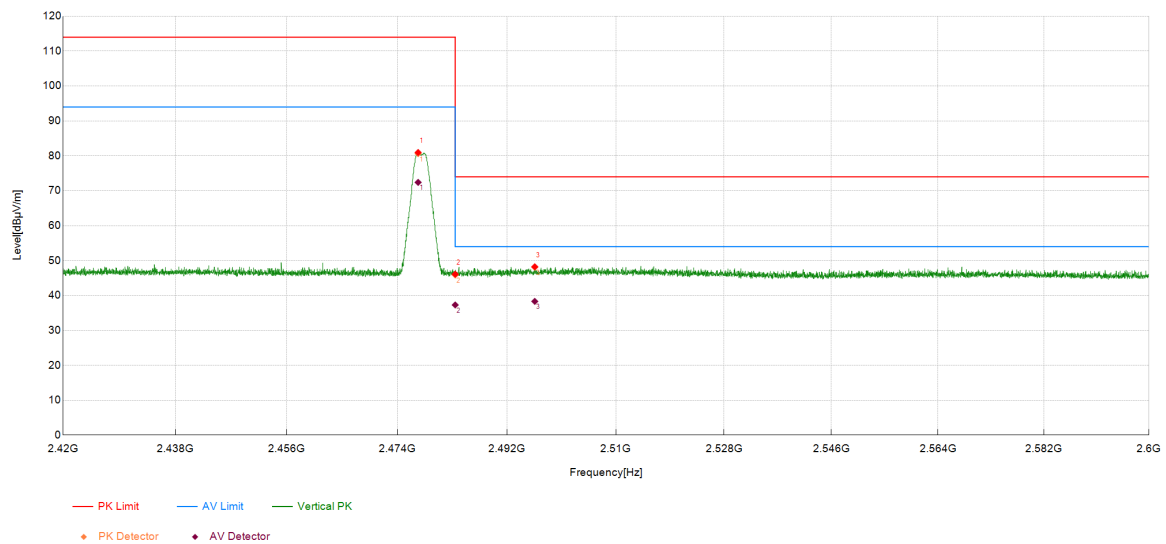
Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2478.43	-8.57	99.53	90.96	114.00	23.04	90.66	82.09	94.00	11.91	H	PASS
2	2483.50	-8.57	55.23	46.66	114.00	67.34	46.03	37.46	94.00	56.54	H	PASS
3	2525.23	-8.79	57.15	48.36	74.00	25.64	46.85	38.06	54.00	15.94	H	PASS

Radiated Emission Test Result

Mode	Test channel	Ant. Pol.
BLE-2M	2478MHz	Vertical

Test Graph



Final Data List

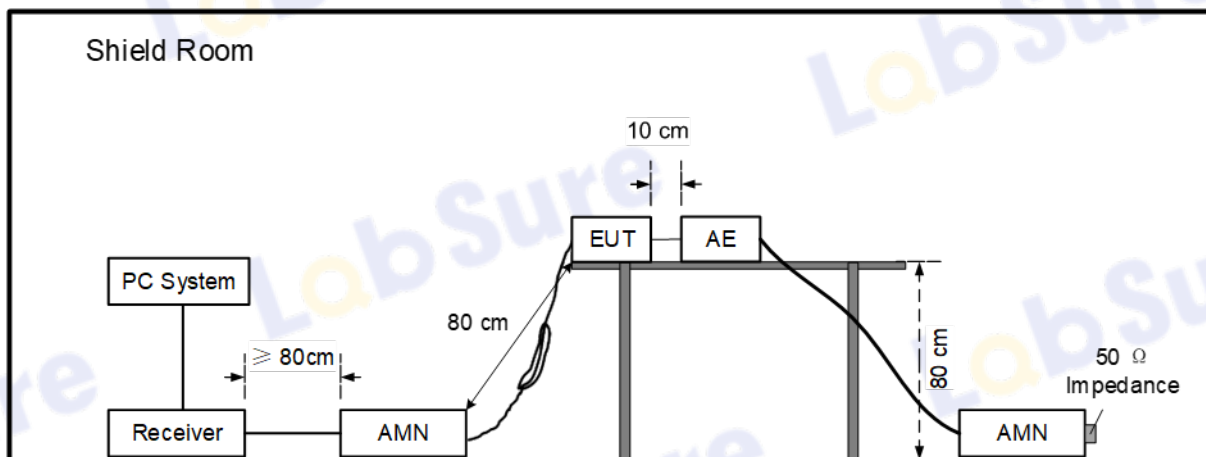
NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Pol	Verdict
1	2477.42	-8.57	89.21	80.64	114.00	33.36	80.97	72.40	94.00	21.60	V	PASS
2	2483.50	-8.57	54.45	45.88	114.00	68.12	45.87	37.30	94.00	56.70	V	PASS
3	2496.59	-8.57	56.68	48.11	74.00	25.89	46.89	38.32	54.00	15.68	V	PASS

7. Power Line Conducted Emission

7.1. General Information

Test date	Mar. 09, 2026	Test engineer	Allen Liu	
Climate condition	Ambient temperature	21.7°C	Relative humidity	51.1%
	Atmospheric pressure	102.2kPa		
Test place	EMC Room 1#			

7.2. Block diagram of test setup



7.3. Power line conducted emission limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

7.4. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80 cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 3.0 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

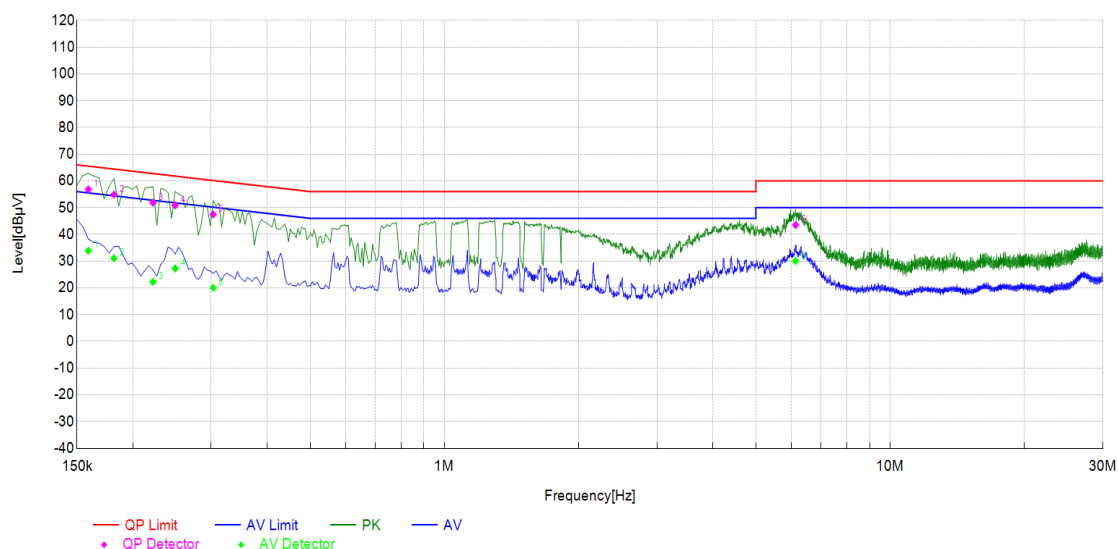
7.5. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "-----" means Peak detection; "-----" means Average detection.

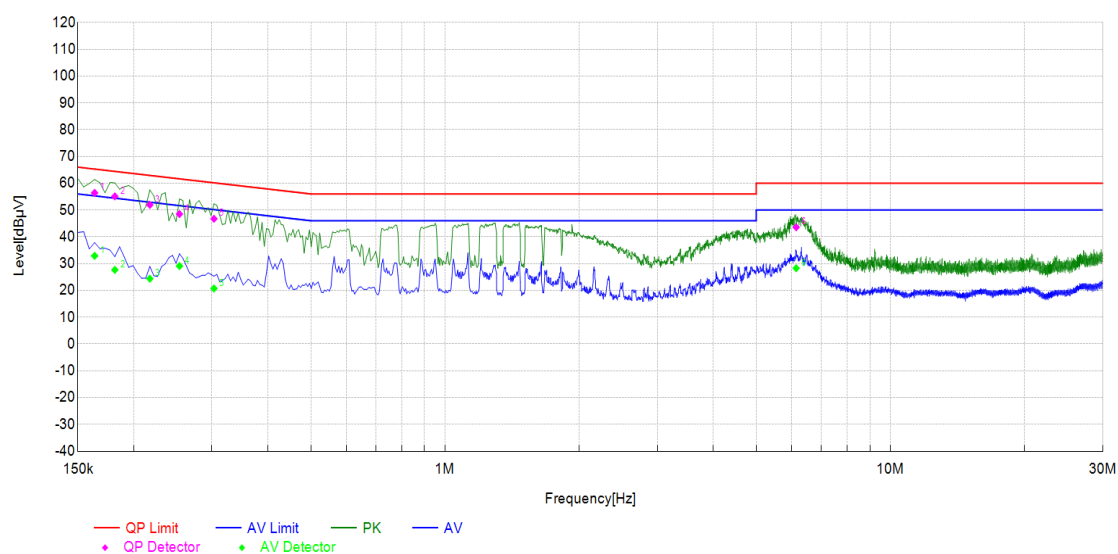
Conducted Emission Test Result



Final Data List												
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Phase	Verdict
1	0.159	19.25	37.55	56.80	65.52	8.72	14.65	33.90	55.52	21.62	L	PASS
2	0.1815	19.26	35.62	54.88	64.42	9.54	11.83	31.09	54.42	23.33	L	PASS
3	0.222	19.26	32.59	51.85	62.74	10.89	3.01	22.27	52.74	30.47	L	PASS
4	0.249	19.25	31.60	50.85	61.79	10.94	8.04	27.29	51.79	24.50	L	PASS
5	0.303	19.23	28.21	47.44	60.16	12.72	0.79	20.02	50.16	30.14	L	PASS
6	6.1395	19.93	23.58	43.51	60.00	16.49	10.09	30.02	50.00	19.98	L	PASS

Note: (1) Result Level = Reading Level + LISN Factor

(2) Margin = Limit - Result Level



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Phase	Verdict
1	0.1635	19.25	37.14	56.39	65.28	8.89	13.64	32.89	55.28	22.39	N	PASS
2	0.1815	19.26	35.84	55.10	64.42	9.32	8.40	27.66	54.42	26.76	N	PASS
3	0.2175	19.27	32.65	51.92	62.91	10.99	5.10	24.37	52.91	28.54	N	PASS
4	0.2535	19.25	29.24	48.49	61.64	13.15	9.84	29.09	51.64	22.55	N	PASS
5	0.303	19.23	27.51	46.74	60.16	13.42	1.49	20.72	50.16	29.44	N	PASS
6	6.1485	19.95	23.60	43.55	60.00	16.45	8.32	28.27	50.00	21.73	N	PASS

Note:(1)Result Level=Reading Level+ LISN Factor

(2)Margin=Limit- Result Level

8. Antenna Requirements

8.1. Limit

For intentional device, according to FCC 47 CFR Section 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 antenna should meet the requirements of RSS-GEN Clause 6.8.

8.2. Result

The antennas used for this product are PCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is -1.35 dBi.

9. Test Setup Photograph

Please find the test setup photos of EUT in APPENDIXES-Test Setup

10. Photos of the EUT

Please find the photos of EUT in APPENDIXES-EUT Photos.

END OF REPORT