TEST REPORT

Report Number	:	TZ0037260406FRF02
Product Name	:	WUUK Smart Sock
Model/Type reference	:	BAS10
FCC ID	:	2AWHY-BAS10
Prepared for	:	WUUK LABS CORP. 16192 COASTAL HWY, LEWES, Delaware, 19958 United States

Prepared By	:	Shenzhen Tongzhou Testing Co.,Ltd. 1st Floor, Building 1, Haomai High-tech Park, Huating Road 387, Dalang Street, Longhua, Shenzhen, China
Standards	:	FCC CFR Title 47 Part 15C, ANSI C63.10-2020+Cor. 1-2023
Date of Test	:	2026-04-23 ~ 2026-04-28
Date of Issue	:	2026-04-28
Prepared by	:	Nancy Li
Reviewed by	:	Allen Lai
Approved by	:	Max Zhang (Authorized Officer)

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** Report Revise Record **

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2026-04-28	Valid	Initial release

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1. GENERAL INFORMATION

1.1. Client Information

Applicant	: WUUK LABS CORP.
Address	: 16192 COASTAL HWY, LEWES, Delaware, 19958 United States
Manufacturer	: WUUK LABS CORP.
Address	: 16192 COASTAL HWY, LEWES, Delaware, 19958 United States

1.2. Description of Device (EUT)

Product Name	: WUUK Smart Sock
Trade Mark	: WUUK
Model Number	: BAS10
Model Declaration	: N/A
Test Model	: BAS10
Power Supply	: Input: DC 3.87V from battery or DC 5V by Charging Stock
Hardware version	: V1.2
Software version	: V1.0

1.3. Wireless Function Tested in this Report

Bluetooth Low Energy	
Operation Frequency	: 2402 – 2480 MHz
Channel Number	: 40 Channels for BLE (DTS)
Modulation Technology	: GFSK
Data Rates	: 1/2Mbps
Antenna Type And Gain	: Internal Antenna, -0.12dBi

Note 1: Antenna position refer to EUT Photos.
Note 2: the above information was supplied by the applicant.

1.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

○supplied by the manufacturer

●supplied by the lab

●	Adapter	Model:	MDY-10-EH
		Input:	100-240V~ 50/60Hz 0.7A
		Output:	DC 5V, 3A
		Manufacturer:	Beijing Xiaomi Technology Co., Ltd

1.5. Description of Test Facility

FCC

Designation Number: CN1275
Test Firm Registration Number: 167722
Shenzhen Tongzhou Testing Co.,Ltd has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA

Certificate Number: 5463.01
Shenzhen Tongzhou Testing Co.,Ltd has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

IC

ISED#: 22033
CAB identifier: CN0099
Shenzhen Tongzhou Testing Co.,Ltd has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4 and CISPR 16-1-4:2010

1.6. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the Shenzhen Tongzhou Testing Co.,Ltd’s quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.7. Measurement Uncertainty

Test Item		Uncertainty	Note
Radiation Uncertainty(9KHz~30MHz)	:	±3.26dB	(1)
Radiation Uncertainty(30MHz~1000MHz)	:	±3.92dB	(1)
Radiation Uncertainty(1GHz~40GHz)	:	±5.62dB	(1)
Conduction Uncertainty	:	±2.71dB	(1)
Occupied Channel Bandwidth	:	±3.0%	(1)
RF power, conducted	:	±0.16dB	(1)
Power Spectral Density, conducted	:	±1.3dB	(1)
Unwanted Emissions, conducted	:	±1.3dB	(1)
Time	:	±1.0%	(1)
Duty Cycle	:	±3.0%	(1)

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

1.8. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position. Pre-test AC conducted emission at power adapter mode.

Worst-case mode and channel used for 150 kHz-30 MHz power line conducted emissions was the mode and channel with the highest output power, which was determined to be **LE 2Mbps, High Channel.**

Worst-case mode and channel used for 9kHz-1000 MHz radiated emissions was the mode and channel with the highest output power, that was determined to be **LE 2Mbps, High Channel.**

1.9. Frequency of Channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
0	2402	20	2442
1	2404	---	---
2	2406	---	---
---	---	37	2476
---	---	38	2478
18	2438	39	2480
19	2440		

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor. 1-2023, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen Tongzhou Testing Co.,Ltd

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.
According to FCC's request, Test Procedure KDB558074 D01 DTS Meas. Guidance v05r02 and KDB 662911 are required to be used for this kind of FCC 15.247 digital modulation device.
According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

2.3. Test Sample

Sample ID	Description
TZ0037260406–1#	Engineer sample – continuous transmit
TZ0037260406–2#	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

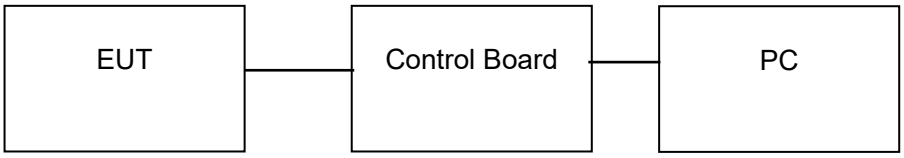
The system was configured for Bluetooth testing in a continuous transmits condition and change test channels by engineer mode (Bluetooth Signaling v3.7.41 at default power level) provided by application.

3.3. Special Accessories

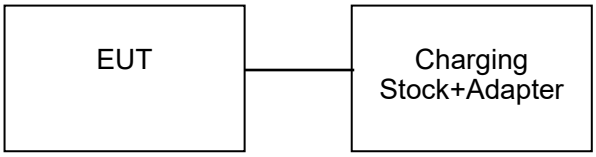
No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
1	PC	ASUS	X454L	15105-0038A100	/	/	/
2	Control Board	Youxin	USB-TTL	/	/	/	/
3	Charging Stock	WUUK LABS CORP.	BAB10	/	/	/	/

3.4. Block Diagram/Schematics

RF Conducted Test



Conducted Emission at AC Port



Radiated Emission

3.5. Equipment Modifications

Shenzhen Tongzhou Testing Co.,Ltd has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Sample ID	Result
§15.247(b)	Maximum Peak Conducted Output Power	TZ0037260406–1#	Compliant
§15.247(e)	Power Spectral Density	TZ0037260406–1#	Compliant
§15.247(a)(2)	6dB Bandwidth	TZ0037260406–1#	Compliant
/	Occupied Bandwidth	TZ0037260406–1#	Note 1
§15.209, §15.247(d)	Radiated and Conducted Spurious Emissions	TZ0037260406–1# TZ0037260406–2#	Compliant
§15.205	Emissions at Restricted Band	TZ0037260406–1#	Compliant
§15.207(a)	Conducted Emissions	TZ0037260406–2#	Compliant
§15.203	Antenna Requirements	TZ0037260406–2#	Compliant
Note 1: only for report purpose.			

Remark: The measurement uncertainty is not included in the test result.

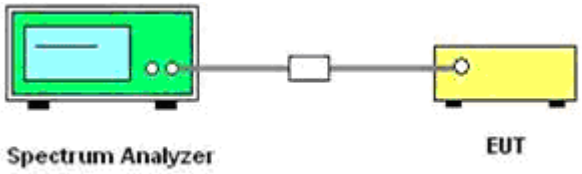
5. TEST RESULT

5.1. Maximum Peak Conducted Output Power Measurement

5.1.1. Standard Applicable

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

5.1.2. Block Diagram of Test Setup



5.1.3. Test Procedures

The transmitter output (antenna port) was connected to the spectrum analyzer.
According to KDB558074 D01 DTS Measurement Guidance Section 9.1 Maximum peak conducted output power 9.1.1.
This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.
a) Set the RBW ≥ DTS bandwidth.
b) Set VBW ≥ 3 × RBW.
c) Set span ≥ 3 x RBW
d) Sweep time = auto couple.
e) Detector = peak.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use peak marker function to determine the peak amplitude level.

5.1.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.5. Test Result

Pass

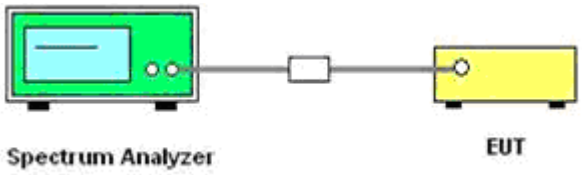
Remark:
1. Test results including cable loss.
1. Please refer to Appendix C of Appendix Test Data for BLE for test data.

5.2. Power Spectral Density Measurement

5.2.1. Standard Applicable

According to §15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.2.2. Block Diagram of Test Setup



5.2.3. Test Procedures

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.
3. Set the RBW = 3kHz.
4. Set the VBW ≥ 3*RBW
5. Set the span to 1.5 times the DTS channel bandwidth.
6. Detector = peak.
7. Sweep time = auto couple.
8. Trace mode = max hold.
9. Allow trace to fully stabilize.
10. Use the peak marker function to determine the maximum power level.
11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
12. The resulting peak PSD level must be less than 8dBm.

5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.5. Test Result

Pass

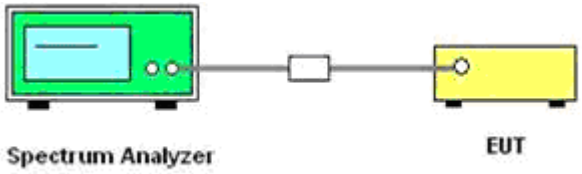
Remark:
1. Test results including cable loss.
2. Please refer to Appendix D of Appendix Test Data for BLE for test data.

5.3. 6 dB Spectrum Bandwidth and Occupied Channel Bandwidth Measurement

5.3.1. Standard Applicable

According to §15.247(a) (2): For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

5.3.2. Block Diagram of Test Setup



5.3.3. Test Procedures

6dB Spectrum Bandwidth Test Procedure:
1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The resolution bandwidth and the video bandwidth were set according to C63.10 11.8.1.
3. Measured the spectrum width with power higher than 6dB below carrier.

Occupied Bandwidth Spectrum Bandwidth Test Procedure:
1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The resolution bandwidth and the video bandwidth were set according to C63.10 6.9.3
3. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.3.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.5. Test Result

Pass

Remark:
1. Test results including cable loss.
2. Please refer to Appendix A of Appendix Test Data for BLE for test data.

5.4. Radiated Emissions Measurement

5.4.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	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
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.Android 10-6.218	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			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510MHz.
\2\ Above 38.6
According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.4.2. Measuring Instruments and Setting

The following table is the setting of spectrum analyzer and receiver.

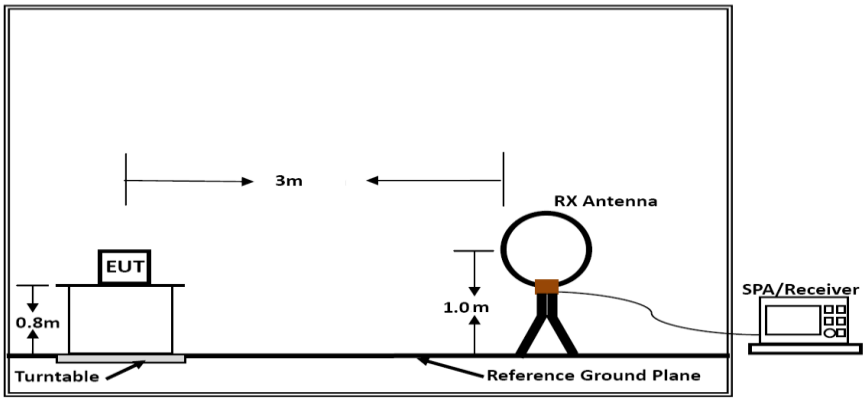
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 3 MHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 3 MHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG

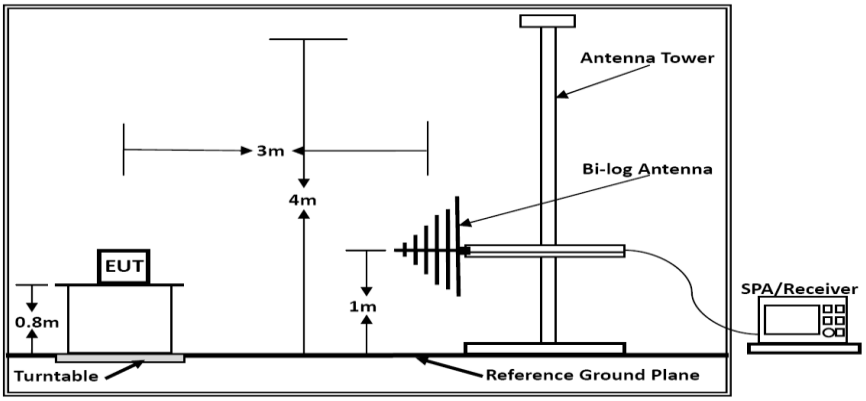
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.4.3. Block Diagram of Test Setup

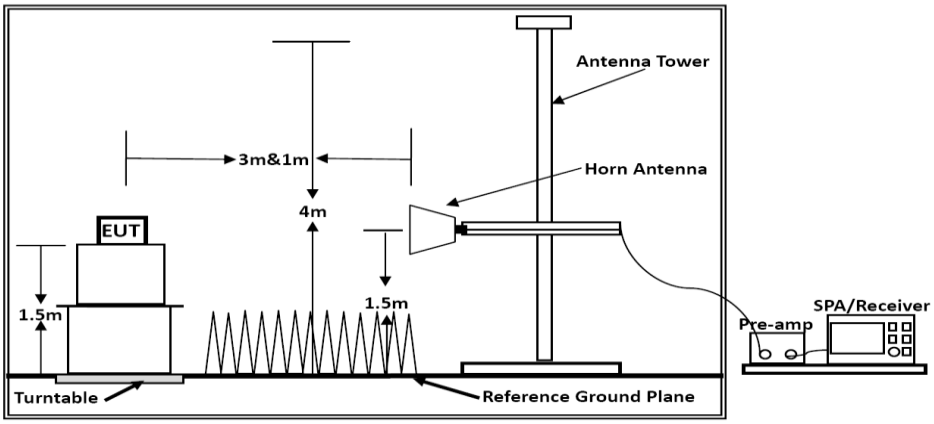
For radiated emissions below 30MHz



Below 30MHz



Below 1GHz



Above 1GHz

Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.
Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1m]) (dB).
Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

5.4.4. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:
--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
--- If the EUT is a floor standing device, it is placed on the ground.
--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
--- The measurement distance is 3 meter.
--- The EUT was set into operation.
Premeasurement:
--- The turntable rotates from 0° to 315° using 45° steps.
--- The antenna height is 1.0 meter.
--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions
Final measurement:
--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:
--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
--- Auxiliary equipment and cables were positioned to simulate normal operation conditions
--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
--- The measurement distance is 3 meter.
--- The EUT was set into operation.
Premeasurement:
--- The turntable rotates from 0° to 315° using 45° steps.
--- The antenna is polarized vertical and horizontal.
--- The antenna height changes from 1 to 3 meter.
--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.
Final measurement:
--- The final measurement will be performed with minimum the six highest peaks.
--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.
--- The final measurement will be done with QP detector with an EMI receiver.
--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 40 GHz

Setup:
--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions
--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
--- The measurement distance is 3 meter.
--- The EUT was set into operation.
Premeasurement:
--- The turntable rotates from 0° to 315° using 45° steps.
--- The antenna is polarized vertical and horizontal.
--- The antenna height scan range is 1 meter to 2.5 meter.
--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.
Final measurement:
--- The final measurement will be performed with minimum the six highest peaks.
--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meters. This procedure is repeated for both antenna polarizations.
--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:
--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
--- Auxiliary equipment and cables were positioned to simulate normal operation conditions
--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
--- The measurement distance is 1 meter.
--- The EUT was set into operation.
Premeasurement:
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.
Final measurement:
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Results

Pass

Results of Radiated Emissions (9 KHz~30MHz)

Temperature	22.5℃	Humidity	56%
Test Engineer	Tony Luo	Configurations	BT LE
Test Voltage	DC 3.87V	/	/

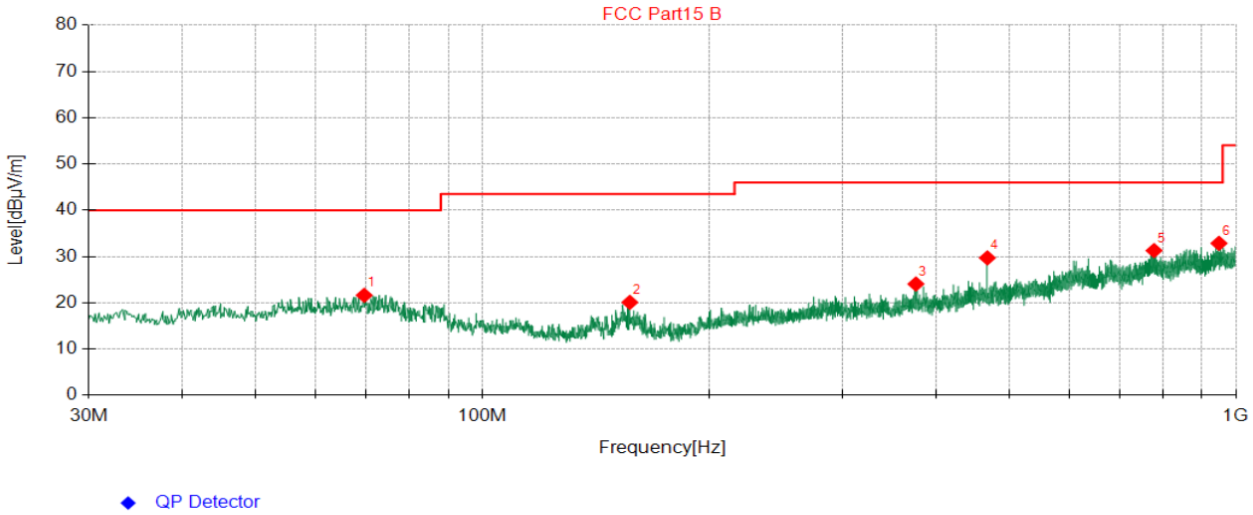
Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
Limit line = specific limits (dBuV) + distance extrapolation factor.

Results of Radiated Emissions (30MHz~1GHz)

Temperature	22.5℃	Humidity	56%
Test Engineer	Tony Luo	Configurations	BT LE
Test Voltage	DC 3.87V	/	/

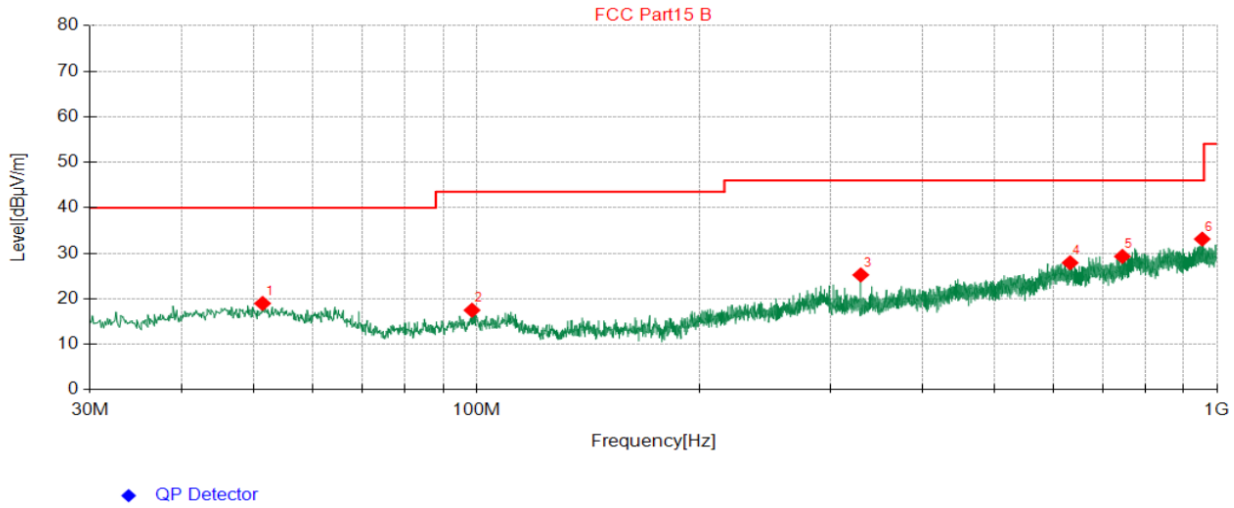
Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	69.64	10.43	11.19	21.62	40.00	18.38	100	330	Vertical
2	156.8	9.52	10.58	20.10	43.50	23.40	100	340	Vertical
3	375.9	5.95	18.11	24.06	46.00	21.94	100	200	Vertical
4	467.7	10.07	19.63	29.70	46.00	16.30	100	10	Vertical
5	778.3	5.83	25.45	31.28	46.00	14.72	100	320	Vertical
6	949.3	5.81	27.04	32.85	46.00	13.15	100	290	Vertical

***Note:
1. Level [dBμV/m] = Reading [dBμV] + Factor [dB/m]
2. Margin [dB] = Limit [dBμV/m] - Level [dBμV/m]

Horizontal



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.34	3.90	15.07	18.97	40.00	21.03	100	130	Horizontal
2	98.50	4.77	12.71	17.48	43.50	26.02	100	50	Horizontal
3	330.0	8.03	17.20	25.23	46.00	20.77	100	180	Horizontal
4	632.9	5.09	22.81	27.90	46.00	18.10	100	180	Horizontal
5	744.7	5.11	24.19	29.30	46.00	16.70	100	200	Horizontal
6	954.7	6.26	26.85	33.11	46.00	12.89	100	300	Horizontal

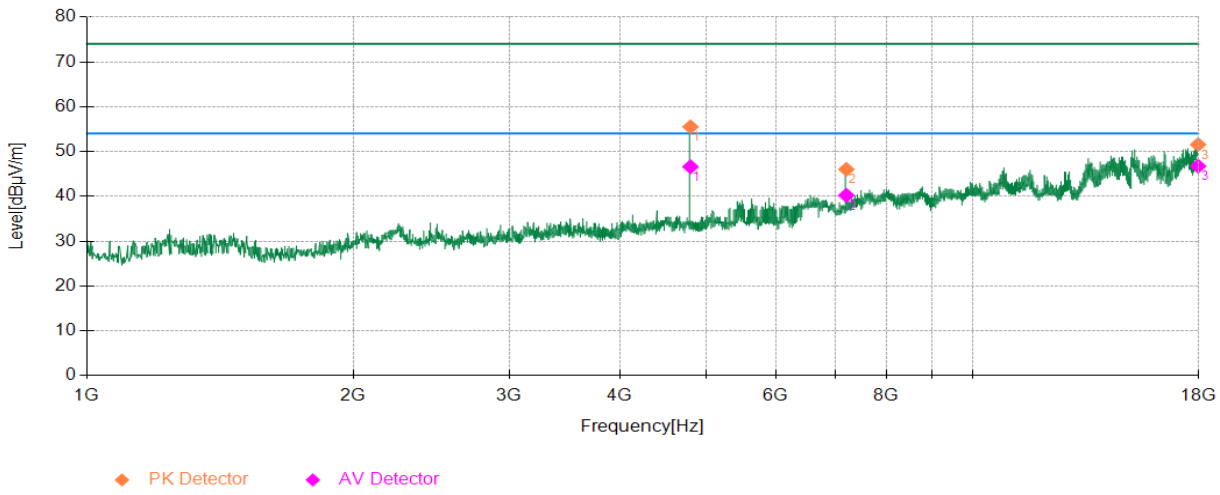
***Note:
1. Level [dBμV/m] = Reading [dBμV] + Factor [dB/m]
2. Margin [dB] = Limit [dBμV/m] - Level [dBμV/m]

Results for Radiated Emissions (1GHz to 18GHz)

Temperature	24℃	Humidity	55.2%
Test Engineer	Tony Luo	Configurations	BT LE
Test Voltage	DC 3.87V	/	/

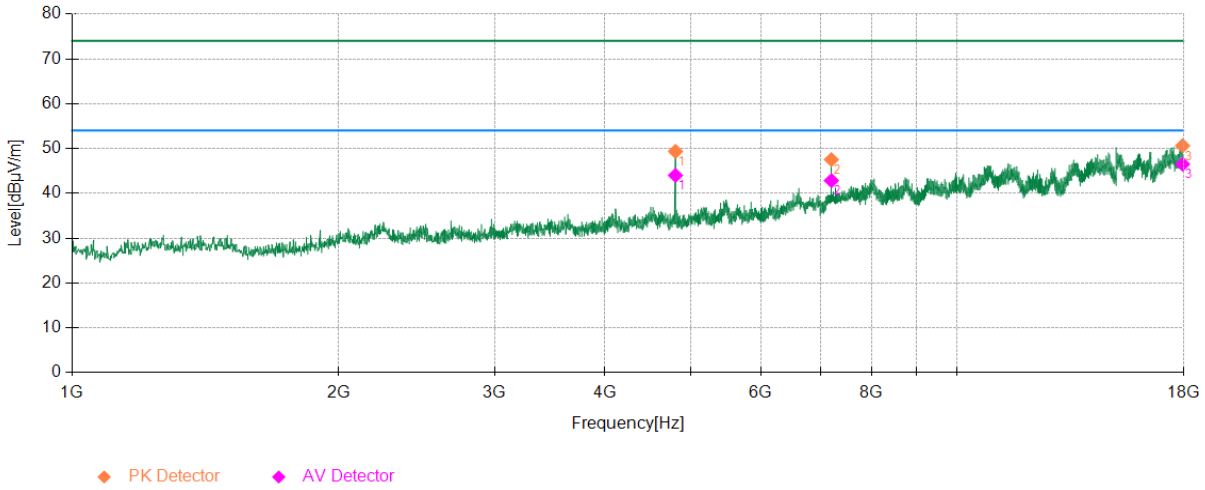
Remark: Measured all modes and recorded worst case (1Mpbs).

Low Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4804.2	60.72	-5.20	55.52	74.00	18.48	132	311	Vertical
2	7206.1	45.53	0.50	46.03	74.00	27.97	144	337	Vertical
3	17991.2	38.24	13.31	51.55	74.00	22.45	175	164	Vertical

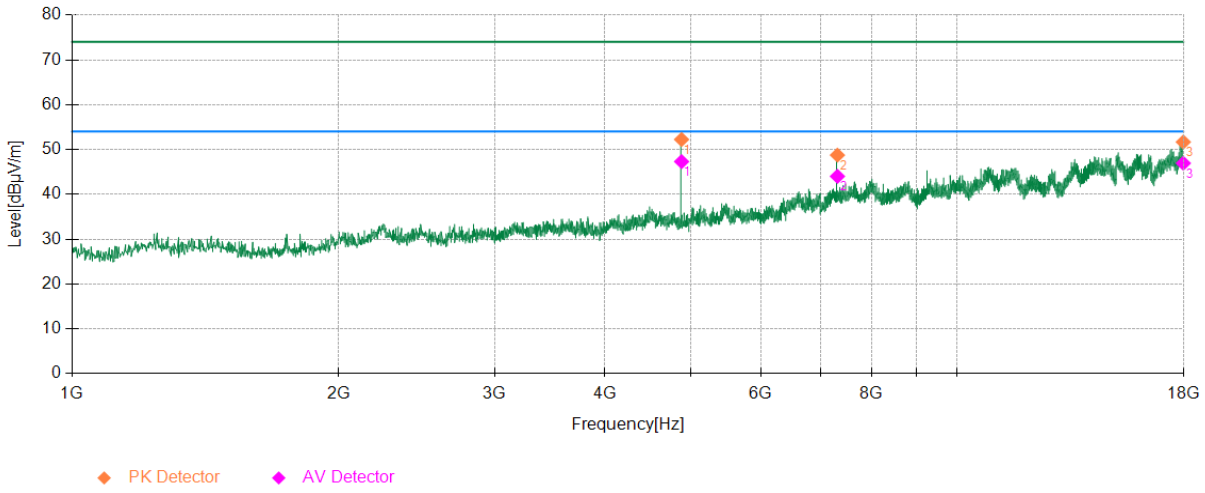
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4804.2	51.81	-5.20	46.61	54.00	7.39	132	311	Vertical
2	7206.1	39.74	0.50	40.24	54.00	13.76	144	337	Vertical
3	17991.2	33.43	13.31	46.74	54.00	7.26	175	164	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBµV]	Factor [dB]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4804.2	59.65	-5.20	54.45	74.00	19.55	211	133	Horizontal
2	7206.1	46.34	0.50	46.84	74.00	27.16	119	157	Horizontal
3	17985.1	38.32	13.29	51.61	74.00	22.39	149	181	Horizontal

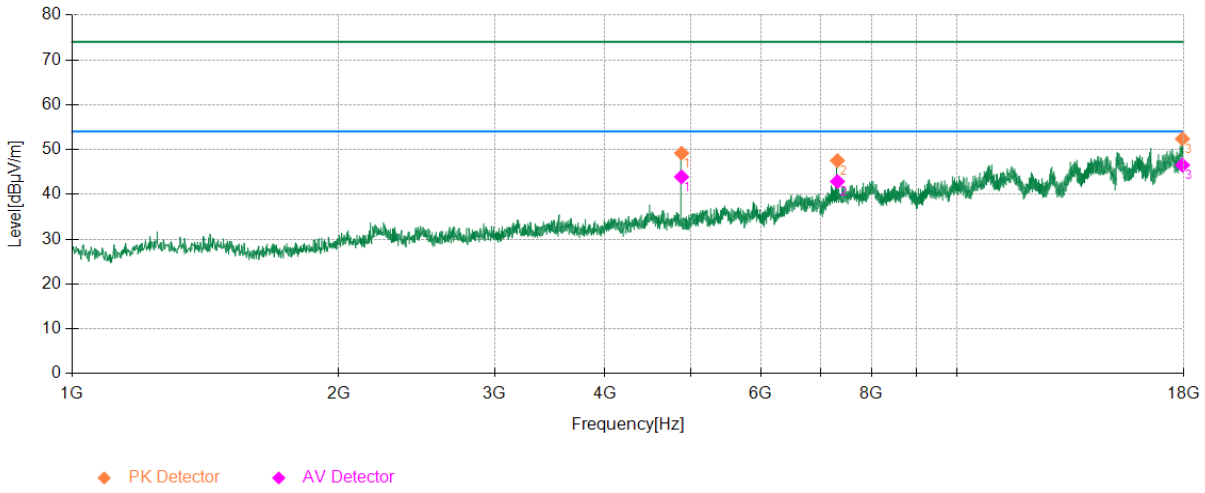
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBµV]	Factor [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4804.2	52.97	-5.20	47.77	54.00	6.23	211	133	Horizontal
2	7206.1	40.31	0.50	40.81	54.00	13.19	119	157	Horizontal
3	17985.1	33.22	13.29	46.51	54.00	7.49	149	181	Horizontal

Middle Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4880.2	60.95	-4.78	56.17	74.00	17.83	172	139	Vertical
2	7320.3	45.91	0.51	46.42	74.00	27.58	161	325	Vertical
3	17989.1	39.53	13.29	52.82	74.00	21.18	143	231	Vertical

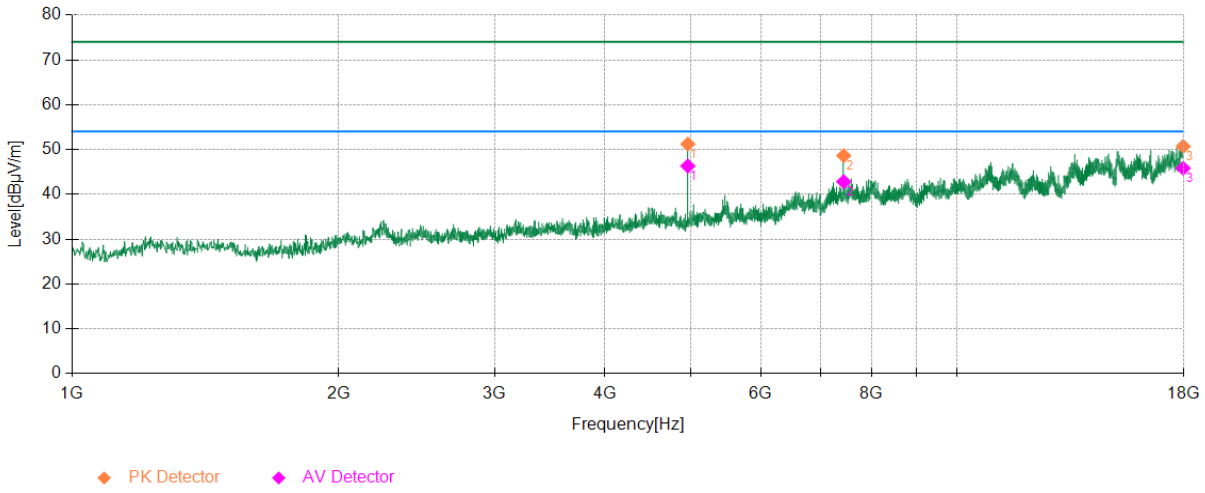
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4880.2	52.49	-4.78	47.71	54.00	6.29	172	139	Vertical
2	7320.3	39.68	0.51	40.19	54.00	13.81	161	325	Vertical
3	17989.1	34.57	13.29	47.86	54.00	6.14	143	231	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4880.2	60.87	-4.78	56.09	74.00	17.91	205	136	Horizontal
2	7320.3	46.37	0.51	46.88	74.00	27.12	181	311	Horizontal
3	17986.5	37.16	13.31	50.47	74.00	23.53	165	122	Horizontal

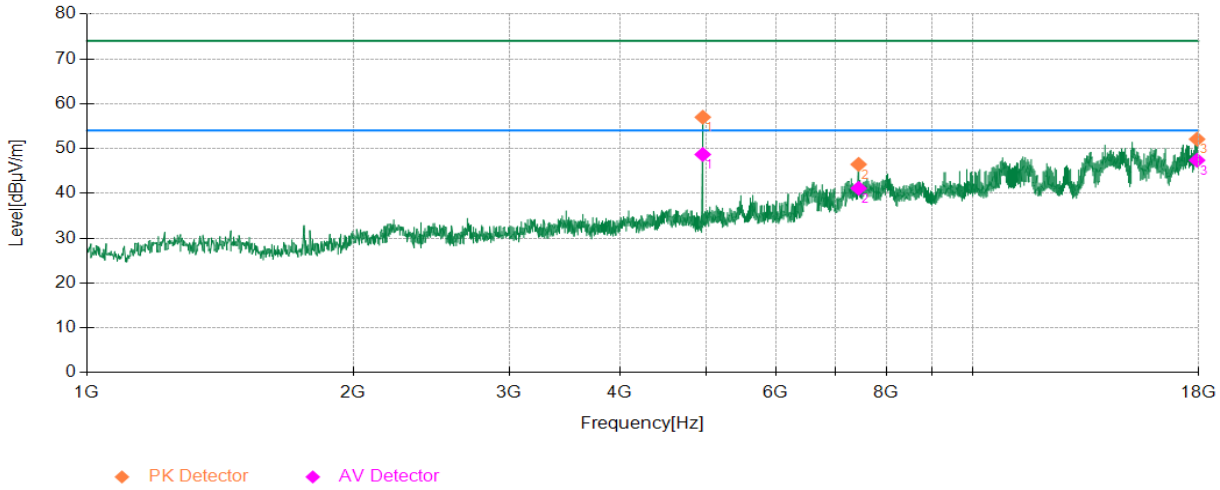
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4880.2	50.49	-4.78	45.71	54.00	8.29	205	136	Horizontal
2	7320.3	41.51	0.51	42.02	54.00	11.98	181	311	Horizontal
3	17986.5	33.63	13.31	46.94	54.00	7.06	165	122	Horizontal

High Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4961.1	60.32	-4.90	55.42	74.00	18.58	131	265	Vertical
2	7441.3	46.63	0.70	47.33	74.00	26.67	199	243	Vertical
3	17961.6	37.49	13.28	50.77	74.00	23.23	157	64	Vertical

AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4961.1	53.52	-4.90	48.62	54.00	5.38	131	265	Vertical
2	7441.3	40.37	0.70	41.07	54.00	12.93	199	243	Vertical
3	17961.6	32.89	13.28	46.17	54.00	7.83	157	64	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4961.1	61.89	-4.90	56.99	74.00	17.01	166	91	Horizontal
2	7441.3	45.76	0.70	46.46	74.00	27.54	119	353	Horizontal
3	17945.1	38.89	13.19	52.08	74.00	21.92	124	152	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4961.1	53.57	-4.90	48.67	54.00	5.33	166	91	Horizontal
2	7441.3	40.42	0.70	41.12	54.00	12.88	119	353	Horizontal
3	17945.1	34.18	13.19	47.37	54.00	6.63	124	152	Horizontal

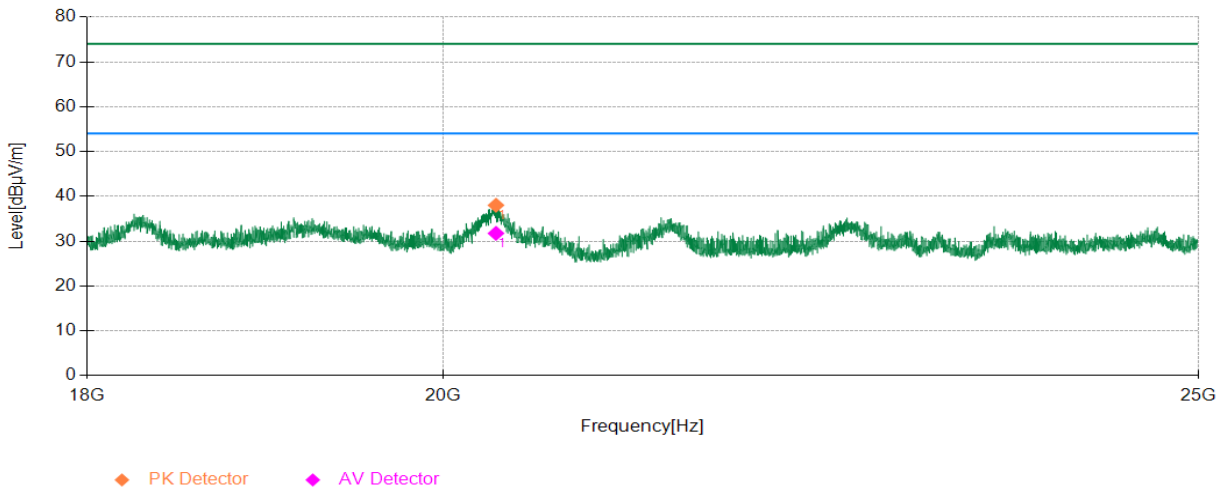
Notes:
Factor = Ant. Fac - Pre. Fac. + Cab. Loss.
Margin = Limit – Level.

Results for Radiated Emissions (18GHz to 25GHz)

Temperature	22.5℃	Humidity	56%
Test Engineer	Tony Luo	Configurations	BT LE
Test Voltage	DC 3.87V	/	/

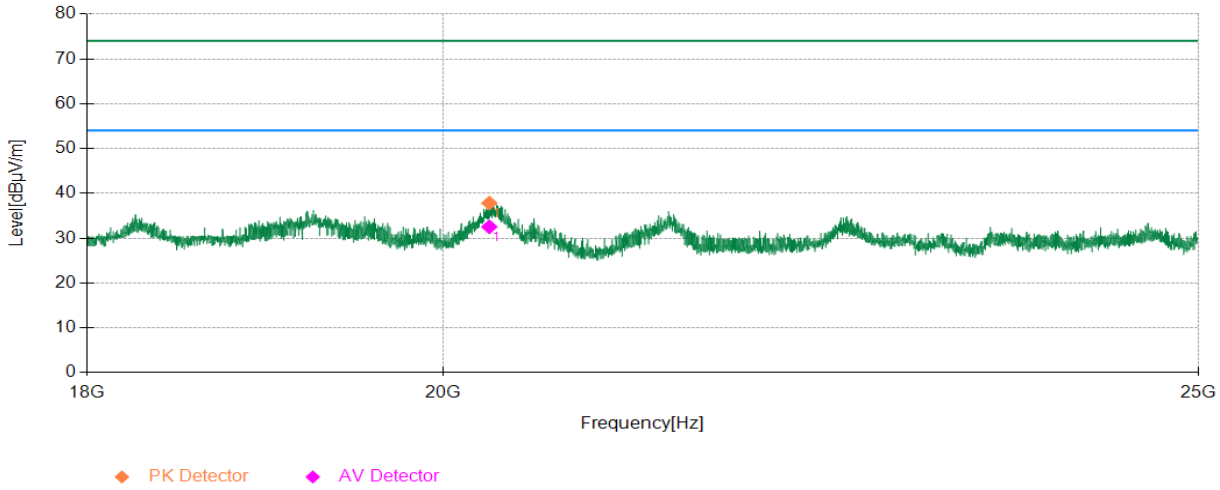
Remark: Measured all modes and recorded worst case (1Mpbs).

Low Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20313.225	41.89	-3.87	38.02	74.00	35.98	193	142	Vertical

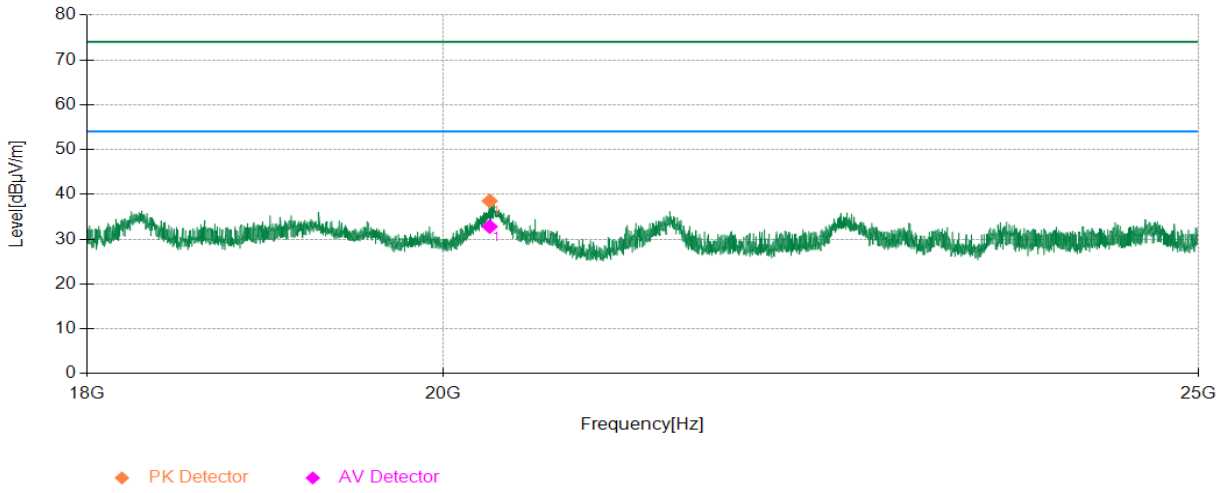
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20313.225	35.62	-3.87	31.75	54.00	22.25	193	142	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20273.251	41.72	-3.90	37.82	74.00	36.18	116	247	Horizontal

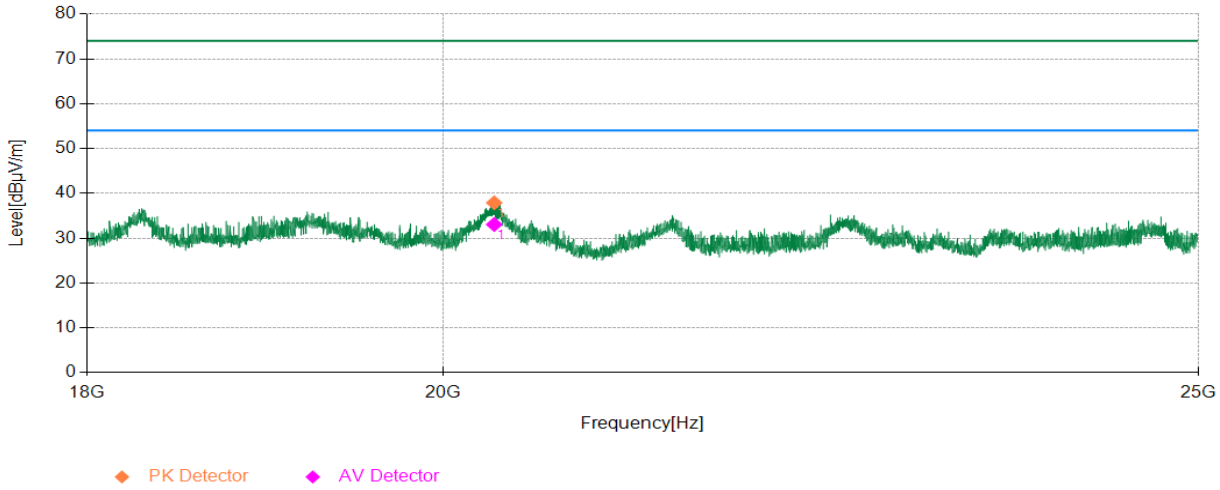
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20273.251	36.43	-3.90	32.53	54.00	21.47	116	247	Horizontal

Middle Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20275.325	42.43	-3.90	38.53	74.00	35.47	147	327	Vertical

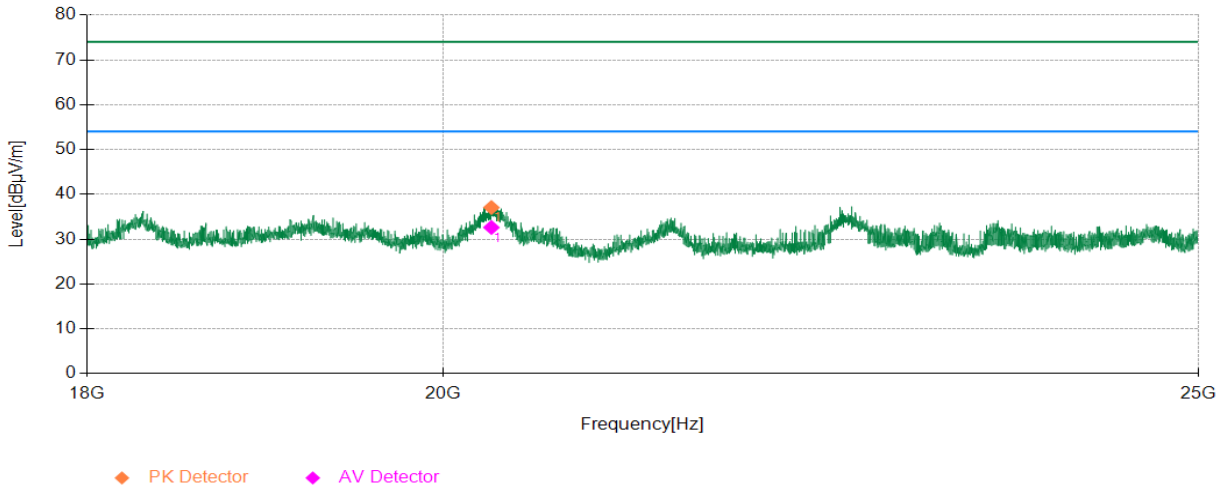
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20275.325	36.71	-3.90	32.81	54.00	21.19	147	327	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20302.461	41.77	-3.88	37.89	74.00	36.11	153	241	Horizontal

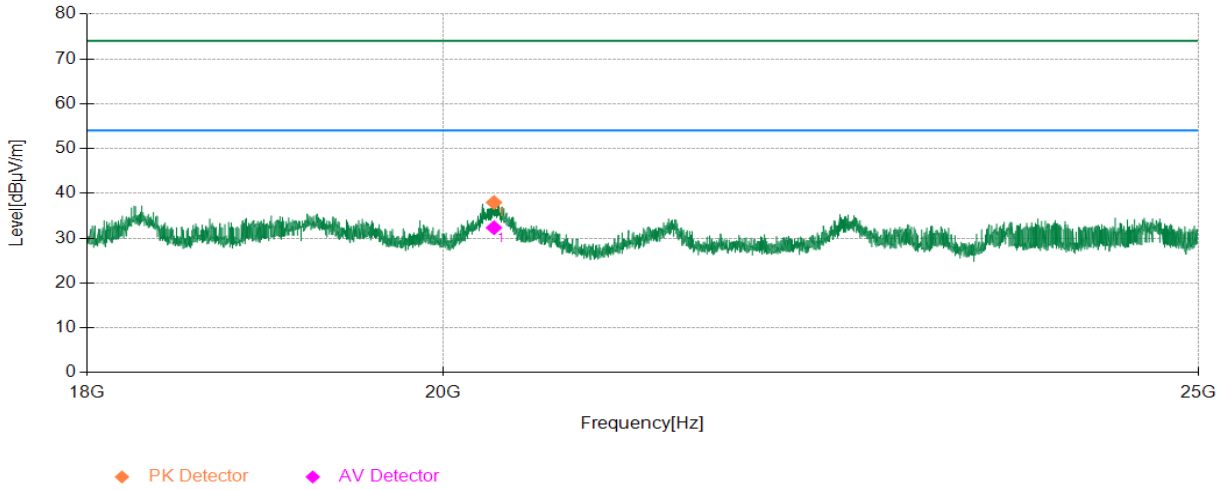
AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20302.461	36.93	-3.88	33.05	54.00	20.95	153	241	Horizontal

High Channel:



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBμV]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20285.751	40.96	-3.90	37.06	74.00	36.94	172	321	Vertical

AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBμV]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20285.751	36.51	-3.90	32.61	54.00	21.39	172	321	Vertical



PK Final Data List									
NO.	Freq. [MHz]	PK Reading [dBµV]	Factor [dB]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20301.12	41.85	-3.88	37.97	74.00	36.03	148	135	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	AV Reading [dBµV]	Factor [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20301.12	36.21	-3.88	32.33	54.00	21.67	148	135	Horizontal

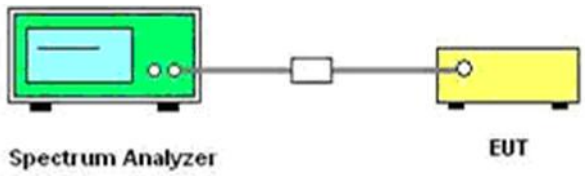
Notes:
Factor = Ant. Fac - Pre. Fac. + Cab. Loss.
Margin = Limit – Level.

5.5. Conducted Spurious Emissions and Band Edges Test

5.5.1. Standard Applicable

According to §15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.5.2. Block Diagram of Test Setup



5.5.3. Test Procedures

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz
The spectrum from 9 KHz to 26.5GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

5.5.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.5. Test Results

PASS

Remark:
1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.
2. Not recorded values as emission level lower than limit at least 20 dBc.
3. Please refer to Appendix F of Appendix Test Data for BLE.for Conducted Spurious Emissions for test data.
4. Please refer to Appendix E of Appendix Test Data for BLE for Conducted Band Edges for test data.

5.6. AC Power line conducted emissions

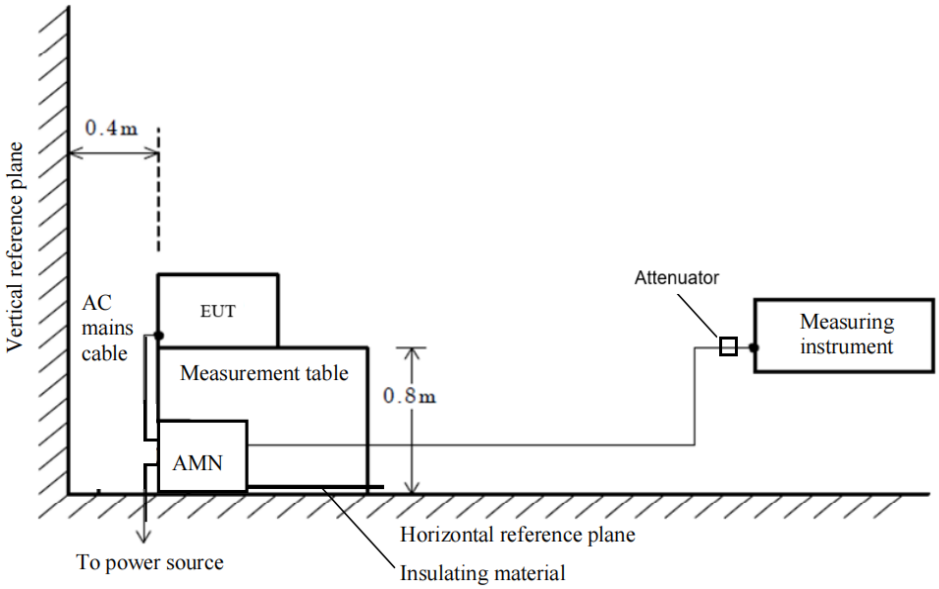
5.6.1. Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.6.2. Block Diagram of Test Setup



Note: the distance between LISN and Vertical reference plane is 40 cm and the distance between LISN and EUT is 80 cm.

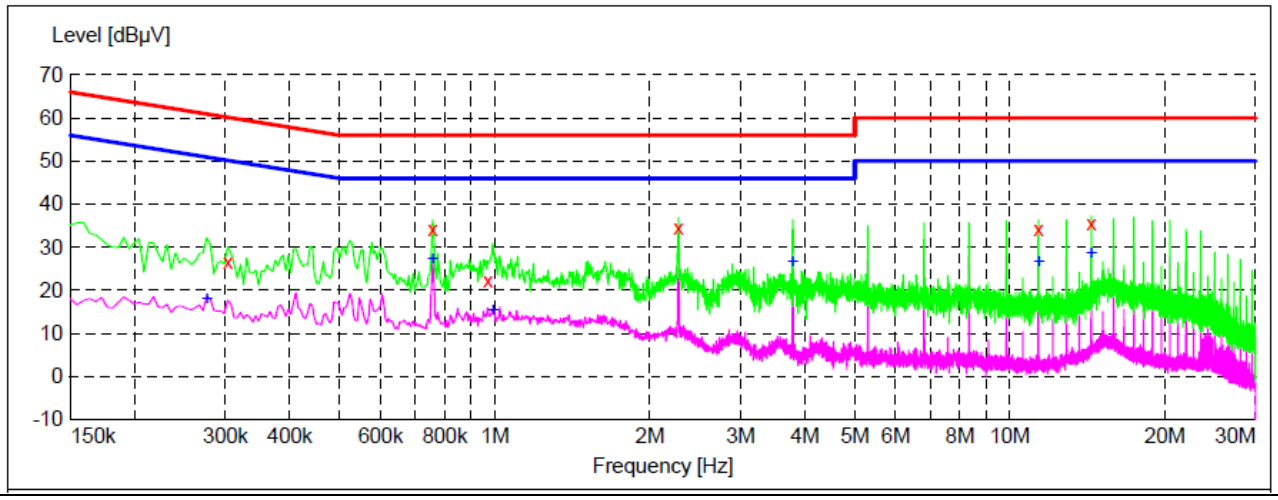
5.6.3. Test Results

Temperature	22.5℃	Humidity	56%
Test Engineer	Allen Lai	Configurations	BT LE
Test Voltage	AC 120V/60Hz	/	/

PASS

The test data please refer to following page.

Neutral Line

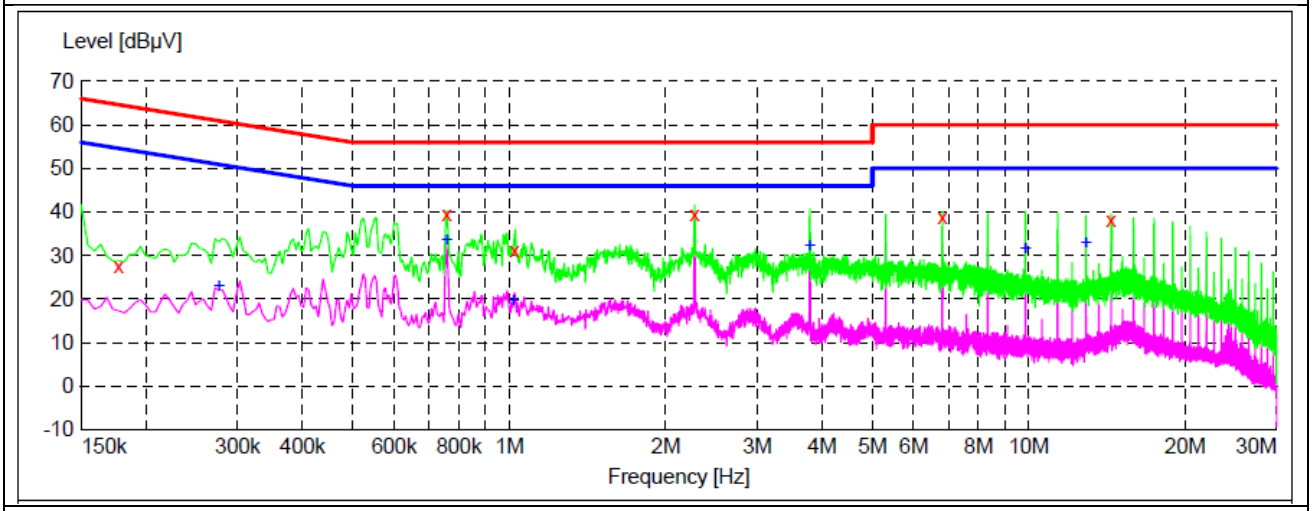


Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.303000	26.50	10.2	60	33.7	QP	N	GND
0.757500	34.30	9.8	56	21.7	QP	N	GND
0.969000	22.20	9.8	56	33.8	QP	N	GND
2.274000	34.50	9.7	56	21.5	QP	N	GND
11.368500	34.20	9.8	60	25.8	QP	N	GND
14.397000	35.50	9.9	60	24.5	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.276000	17.90	10.3	51	33.0	AV	N	GND
0.757500	27.20	9.8	46	18.8	AV	N	GND
0.991500	15.20	9.8	46	30.8	AV	N	GND
3.790500	26.50	9.7	46	19.5	AV	N	GND
11.368500	26.40	9.8	50	23.6	AV	N	GND
14.397000	28.70	9.9	50	21.3	AV	N	GND

Note:
1. Margin(dB)= Limit(dBµV) - Level(dBµV)
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.

Live Line



Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.177000	27.70	10.3	65	36.9	QP	L1	GND
0.757500	39.40	9.8	56	16.6	QP	L1	GND
1.023000	31.10	9.7	56	24.9	QP	L1	GND
2.274000	39.60	9.7	56	16.4	QP	L1	GND
6.819000	38.70	9.8	60	21.3	QP	L1	GND
14.397000	38.10	9.9	60	21.9	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.276000	22.90	10.3	51	28.0	AV	L1	GND
0.757500	33.60	9.8	46	12.4	AV	L1	GND
1.018500	19.60	9.7	46	26.4	AV	L1	GND
3.790500	32.30	9.7	46	13.7	AV	L1	GND
9.852000	31.50	9.8	50	18.5	AV	L1	GND
12.880500	32.80	9.9	50	17.2	AV	L1	GND

Note:
1. Margin(dB)= Limit(dBµV) - Level(dBµV)
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.

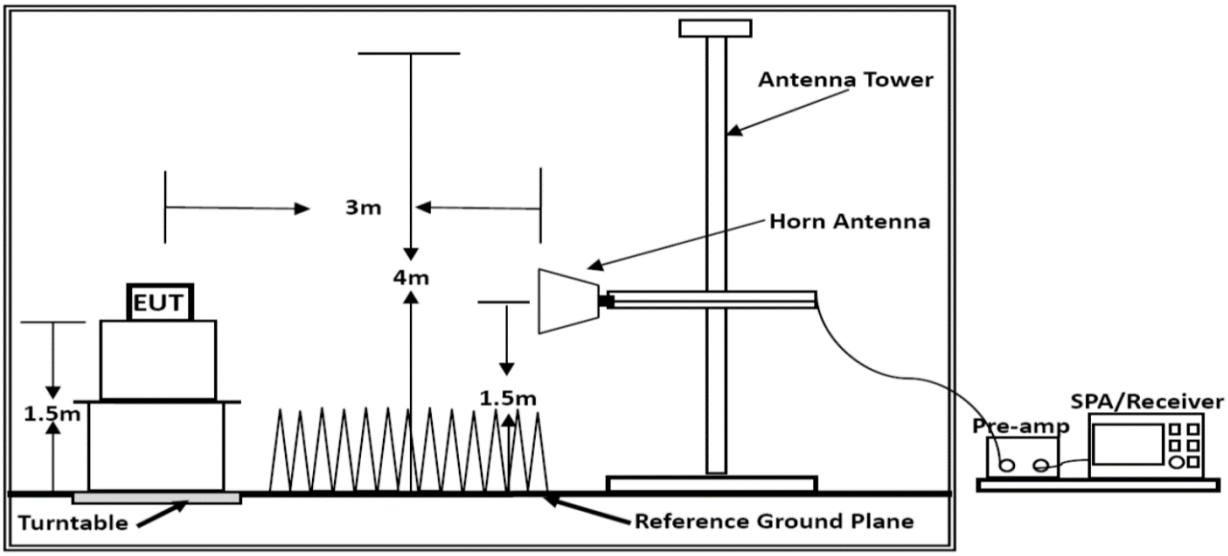
5.7. Band-edge measurements for radiated emissions

5.7.1. Standard Applicable

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

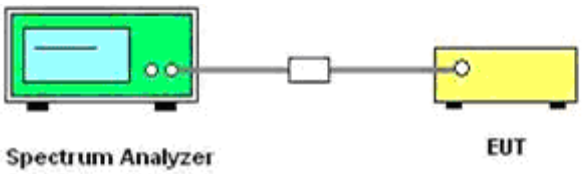
5.7.2. Block Diagram of Test Setup

☒**For Radiated**



Above 1GHz

☐**For Conducted**



5.7.3. Test Procedures

☒**Radiated Method:**

1. The EUT was placed on a turn table which is 1.5m above ground plane.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed..
5. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto	Peak
	Average Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto	Average

☐Conducted Method:

According to KDB 558074 D01 for Antenna-port conducted measurement. Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to an EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz for peak detector and RBW=1MHz, VBW=3MHz for AV detector.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.
6. Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 12.2.2, 12.2.3, and 12.2.4 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
7. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
8. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
9. For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
10. Convert the result ant EIRP level to an equivalent electric field strength using the following relationship:

    E = EIRP – 20log D + 104.77=EIRP+95.23

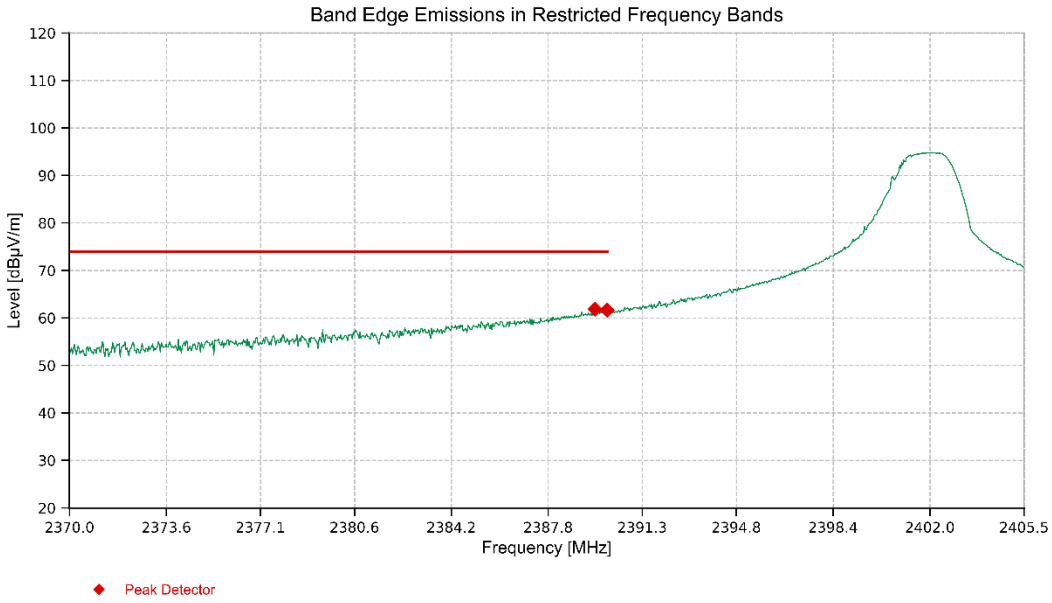
    Where:
    E = electric field strength in dBμV/m,
    EIRP = equivalent isotropic radiated power in dBm
    D = specified measurement distance in meters.
11. Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.
12. Per KDB662911 D01 section b) In cases where a combination of conducted measurements and cabinet radiated measurements are permitted to demonstrate compliance with absolute radiated out-of-band and spurious limits (e.g., KDB Publications 558074 for DTS and 789033 for U-NII), the conducted measurements must be combined with directional gain to compute the radiated levels of the out-of-band and spurious emissions as described in this section.
13. Compare the resultant electric field strength level to the applicable regulatory limit.
14. Perform radiated spurious emission test duress until all measured frequencies were complete.

5.7.4. Test Results

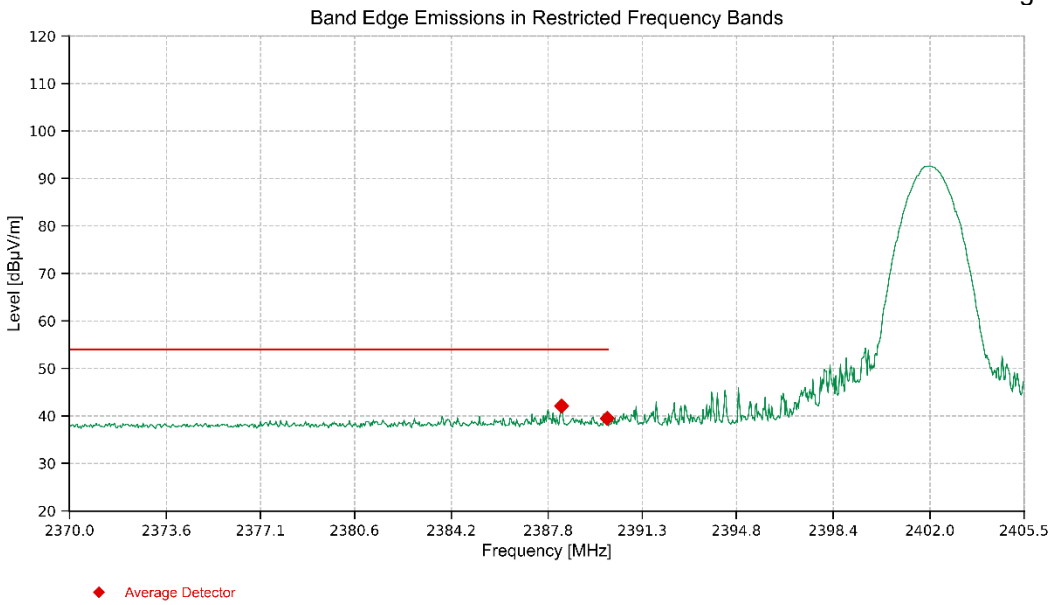
Temperature	22.5℃	Humidity	56%
Test Engineer	Tony Luo	Configurations	BT LE
Test Voltage	DC 3.87V	/	/

Remark: Measured all modes and recorded worst case (1Mpbs).

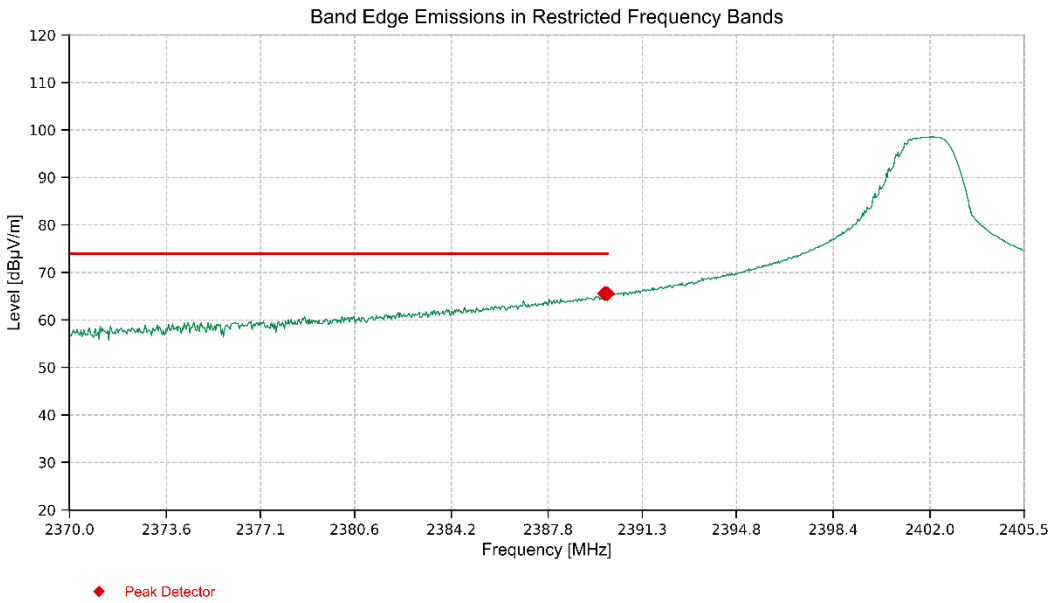
LE1M_ANT1_2402_1Mbps



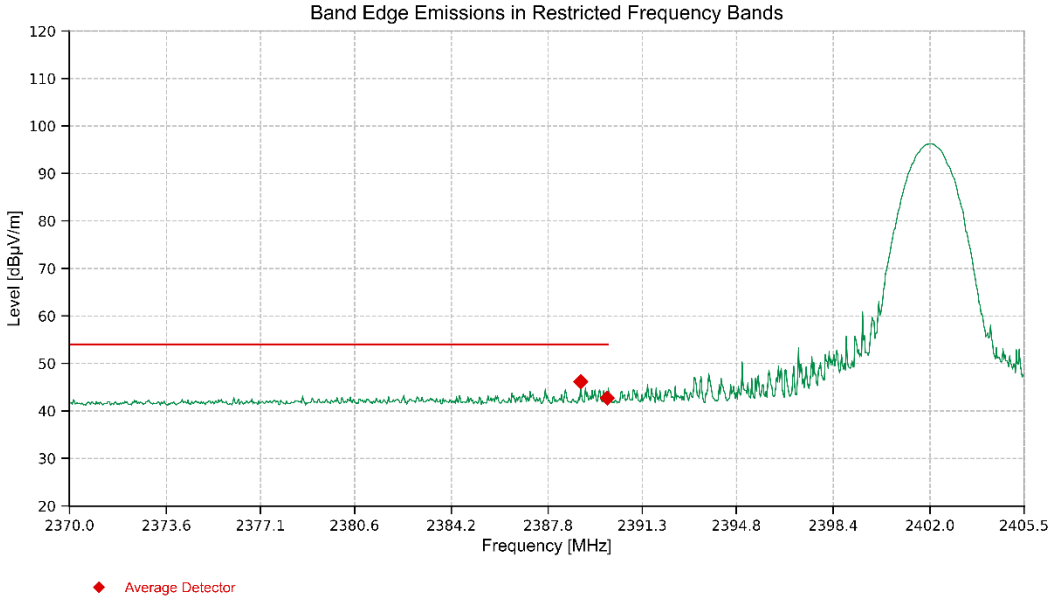
Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2389.54	23.00	29.99	8.35	61.34	74.00	12.66	Peak	Horizontal
2390.00	22.82	29.99	8.35	61.16	74.00	12.84	Peak	Horizontal



Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2388.30	3.22	29.99	8.35	41.56	54.00	12.44	Average	Horizontal
2390.00	0.65	29.99	8.35	38.99	54.00	15.01	Average	Horizontal

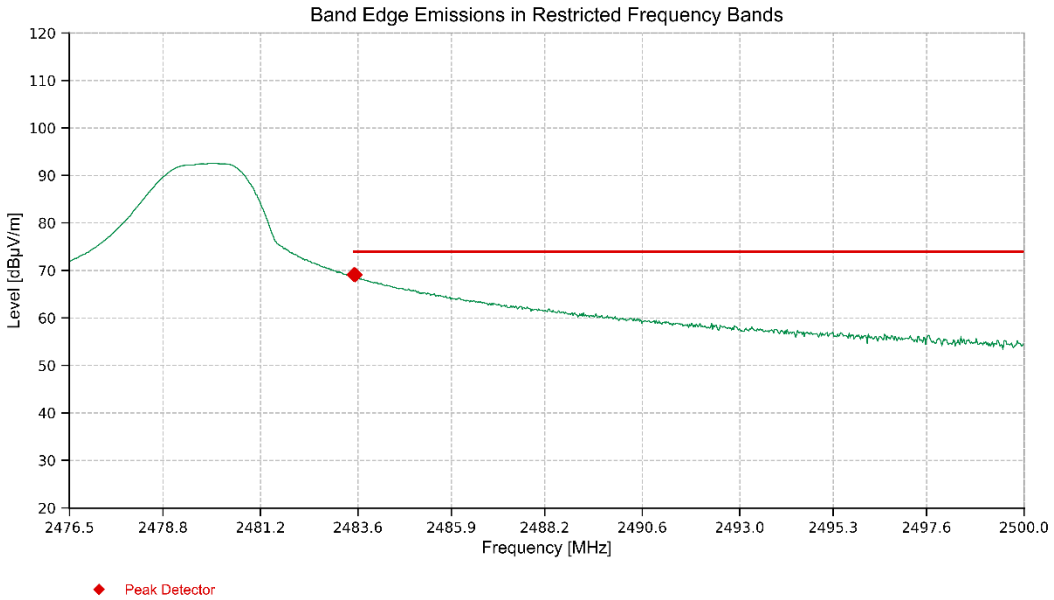


Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2389.90	26.74	29.99	8.35	65.08	74.00	8.92	Peak	Vertical
2390.00	26.71	29.99	8.35	65.05	74.00	8.95	Peak	Vertical

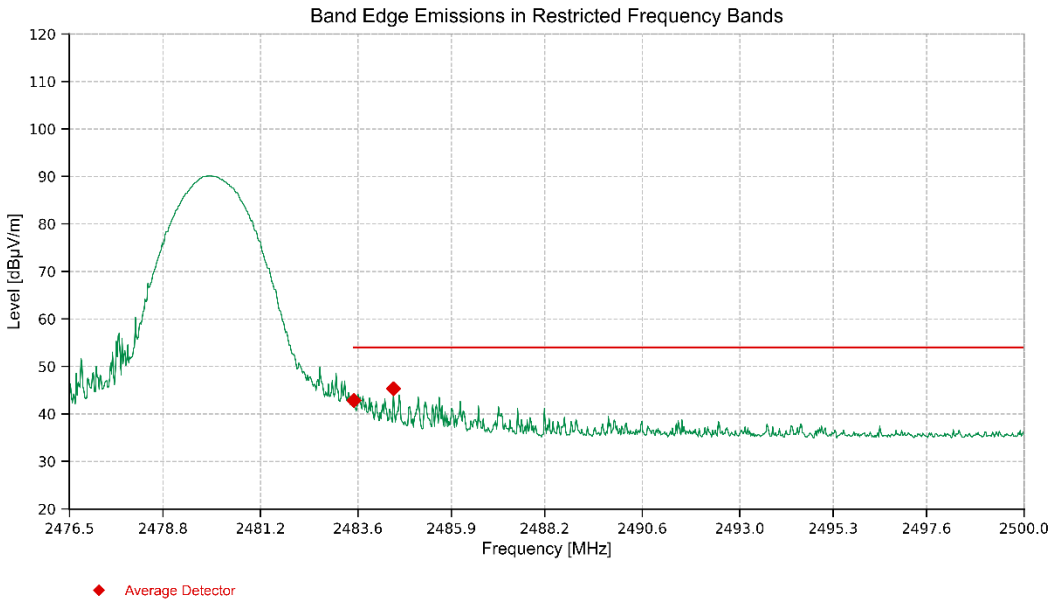


Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2389.01	7.34	29.99	8.35	45.68	54.00	8.32	Average	Vertical
2390.00	3.86	29.99	8.35	42.20	54.00	11.80	Average	Vertical

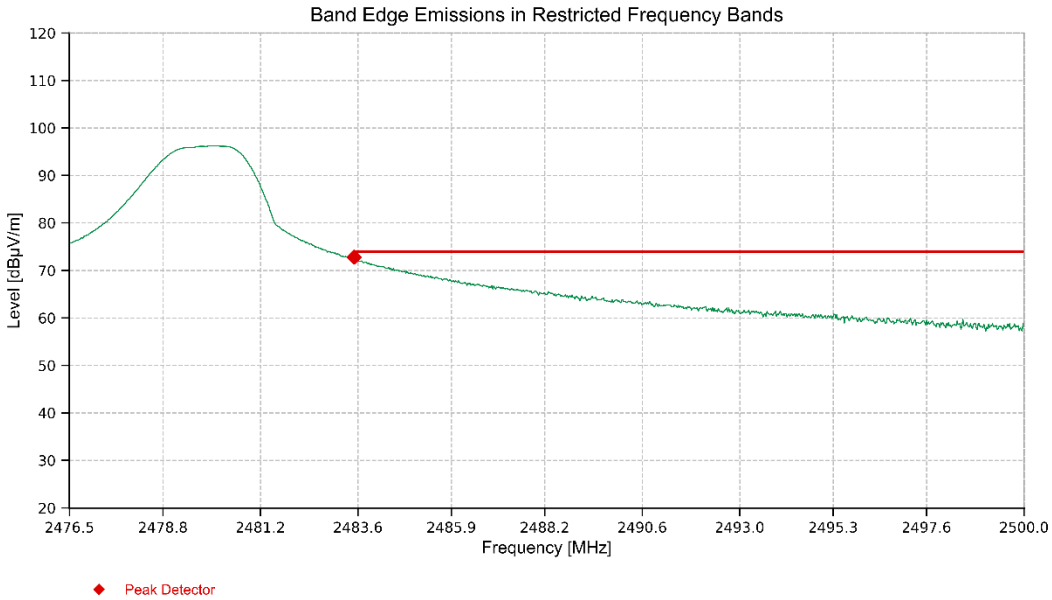
LE1M_ANT1_2480_1Mbps



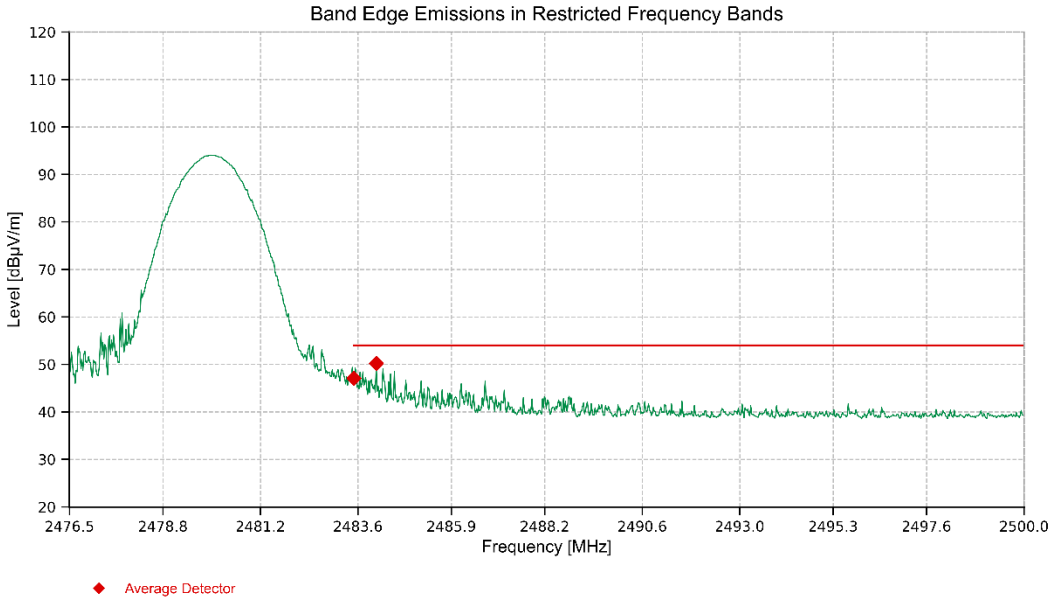
Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2483.53	29.82	30.25	8.50	68.57	74.00	5.43	Peak	Horizontal
2483.50	29.86	30.25	8.50	68.61	74.00	5.39	Peak	Horizontal



Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2484.47	6.04	30.25	8.50	44.79	54.00	9.21	Average	Horizontal
2483.50	3.56	30.25	8.50	42.31	54.00	11.69	Average	Horizontal



Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2483.51	33.54	30.25	8.50	72.29	74.00	1.71	Peak	Vertical
2483.50	33.54	30.25	8.50	72.29	74.00	1.71	Peak	Vertical



Freq. MHz	Reading dBµV	Ant. Fac. dB/m	Cable Loss dB	Level dBµV/m	Limit dBµV/m	Margin dB	Detector	Pol.
2484.05	10.95	30.25	8.50	49.70	54.00	4.30	Average	Vertical
2483.50	7.84	30.25	8.50	46.59	54.00	7.41	Average	Vertical

Remark:

Result Level = Read Level + Antenna Factor + Cable loss.
Margin = Limit - Emission Level.

5.8. Antenna Requirements

5.8.1. Standard Applicable

According to antenna requirement of §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 re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

5.8.2. Antenna Connected Construction

The directional gains of antenna refer to section 1.3 of this report, and the antenna is an Internal antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

5.8.3. Results

Compliance

6. LIST OF MEASURING EQUIPMENT

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
1	MXA Signal Analyzer	Keysight	N9020A	MY52091623	2026-01-11	2027-01-10
2	Power Sensor	Agilent	U2021XA	MY5365004	2026-01-11	2027-01-10
3	Power Meter	Agilent	U2531A	TW53323507	2026-01-11	2027-01-10
4	Loop Antenna	schwarzbeck	FMZB1519B	00023	2025-10-18	2028-10-17
5	Wideband Antenna	schwarzbeck	VULB 9163	958	2025-10-18	2028-10-17
6	Horn Antenna	schwarzbeck	BBHA 9120D	01989	2025-10-18	2028-10-17
7	EMI Test Receiver	R&S	ESCI	100849/003	2026-01-11	2027-01-10
8	Controller	MF	MF7802	N/A	N/A	N/A
9	Amplifier	schwarzbeck	BBV 9743	209	2026-01-11	2027-01-10
10	Amplifier	Tonscend	TSAMP-0518 SE	--	2026-01-11	2027-01-10
11	RF Cable(below 1GHz)	HUBER+SUHNER	RG214	N/A	2026-01-11	2027-01-10
12	RF Cable(above 1GHz)	HUBER+SUHNER	RG214	N/A	2026-01-11	2027-01-10
13	Artificial Mains	ROHDE & SCHWARZ	ENV 216	101333-IP	2026-01-11	2027-01-10
14	EMI Test Software	ROHDE & SCHWARZ	ESK1	V1.71	N/A	N/A
15	Amplifier	Chengyi	EMC184045SE	980508	2026-01-11	2027-01-10
16	Horn Antenna	A-INFO	LB-180400-KF	J211020657	2026-01-11	2027-01-10
17	Spectrum Analyzer	R&S	FSV40	101321	2026-01-11	2027-01-10
18	Fixed Attenuator	Mini circuits	BW-S6-2W263A+	N/A	2026-01-11	2027-01-10

Test software used:

Item	Test Software	Manufacturer	Name	Version
1	EMI Test Software	ROHDE & SCHWARZ	ESK1	V1.71
2	RE test software	Tonscend	JS32-RE	V5.0.0.0
3	Test Software	Tonscend	JS1120-3	V3.2.22

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF EUT

Please refer to separated files for Internal Photos of the EUT.

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