



FCC Part 15C Test Report

FCC ID: 2A6FX-PTA1000BT

Applicant: Sound Around INC.

Address: 1600, 63rd Street, 1st Floor, Brooklyn, NY, New York, 11219, United States

Manufacturer: Guangzhou Huaqi Electronics Co., Ltd

Address: 101, No. 1, wenshengzhuang Xindong Road, Dongping village, Yongping street, Baiyun District, Guangzhou, Guangdong, China

Product Name: Amplifier

Trade Mark: PYLE

Model Number: PTA1000BT, PTA1000

Date of Receipt: Feb. 12, 2025

Test Date: Feb. 12, 2025 ~ Mar. 13, 2026

Date of Report: Mar. 13, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2020

Test Result: Pass

Report Number: DLE-260313037R

Prepared by(Engineer): Ken Tan

Reviewer(Supervisor): Jack Bu

Approved(Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	Mar. 13, 2026	



1 Test Summary

1.1 Test Description

Test Item	Test Requirement	Result
Antenna Requirement	§15.203/§15.247(b)(4)	PASS
AC Conducted Emission	FCC Part 15.207	PASS
Radiated Emissions	FCC Part 15.205/15.209	PASS
Maximum Peak Output Power	FCC Part 15.247(b)	PASS
Power Spectral Density	FCC Part 15.247(e)	PASS
6dB Bandwidth & 99% Bandwidth	FCC Part 15.247(a)(2)	PASS
Spurious RF Conducted Emission	FCC Part 15.247(d)	PASS
Band Edge	FCC Part 15.247(d)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.



1.2 Measurement Uncertainty

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

No.	Item	MU
1	Conducted Emission 0.15~30MHz	$\pm 2.71\text{dB}$
2	All Emissions, Radiated(<1G)	$\pm 3.90\text{dB}$
3	All Emissions, Radiated(>1G)	$\pm 4.28\text{dB}$
4	Transmitter Power Conducted	$\pm 0.37\text{dB}$
5	Conducted Spurious Emission	$\pm 2.20\text{dB}$
6	Occupied Bandwidth	$\pm 1.5\%$
7	Temperature	$\pm 0.1^\circ\text{C}$
8	Humidity	$\pm 1.0\%$

1.3 Information of the Test Laboratory

Shenzhen DL Testing Technology Co., Ltd.

Add.: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory
Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang
District, Shenzhen, China



2 General Information

2.1 General Description of EUT

EUT Name:	Amplifier
Model No:	PTA1000BT
Series Model:	PTA1000
Model Difference:	All model's the function, software and electric circuit are the same, only with product model named different. Test sample model: PTA1000BT.
Trade Mark:	PYLE
Operation Frequency:	2402 MHz to 2480 MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Hardware Version:	V1.0
Software Version:	V1.0
Antenna Type:	ANT.1: External Antenna ANT.2: PCB Antenna
Antenna Gain:	ANT.1: 2dBi ANT.2: -0.68dBi
Power Supply:	AC110-120V, 60Hz
Note:	1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. Antenna gain Refer to the antenna specifications. 3. The cable loss data is obtained from the supplier. 4. The test results in the report only apply to the tested sample.



Description of Channel					
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		

The EUT has been operated in modulations: GFSK independently.

No.	Test Mode Description
1	Low channel TX
2	Middle channel TX
3	High channel TX
Note: 1. All the test modes can be supply by button battery, only the result of the worst case was recorded in the report if no any records. 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.	



2.2 Description of Test Conditions

(1) E.U.T. test conditions:

For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

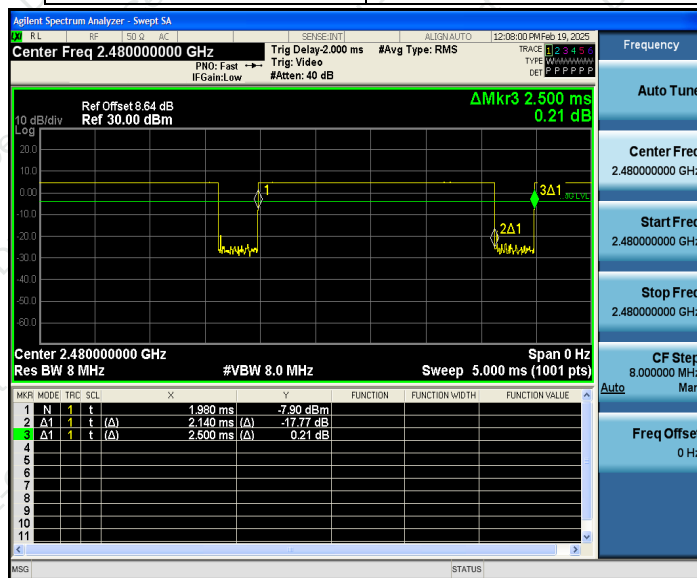
(2) Frequency range of radiated measurements:

The test range will be up to the tenth harmonic of the highest fundamental frequency.

(3) Pre-test the EUT in all transmitting mode at the lowest (2402 MHz), middle (2440 MHz) and highest (2480 MHz) channel with different data packet and conducted to determine the worst-case mode, only the worst-case results are recorded in this report.

(4) Mode Test Duty Cycle

Mode	Duty Cycle
BT-LE(1Mbps)	0.856





2.3 Description of Test Setup

Operation of EUT during AC conducted testing and radiation testing:



Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.



2.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model/Type No.	Specification	Note
1	Amplifier	PYLE	PTA1000BT	N/A	EUT
2	Speaker	N/A	N/A	N/A	

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



3 Equipments List for All Test Items

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Nov. 01, 2024	Oct. 31, 2025
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Nov. 01, 2024	Oct. 31, 2025
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Nov. 01, 2024	Oct. 31, 2025
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Nov. 01, 2024	Oct. 31, 2025
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Nov. 01, 2024	Oct. 31, 2025
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Nov. 01, 2024	Oct. 31, 2025
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Nov. 01, 2024	Oct. 31, 2025
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Nov. 01, 2024	Oct. 31, 2025
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Nov. 01, 2024	Oct. 31, 2025
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Nov. 01, 2024	Oct. 31, 2025
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Nov. 01, 2024	Oct. 31, 2025
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Nov. 01, 2024	Oct. 31, 2025
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Nov. 01, 2024	Oct. 31, 2025
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Nov. 01, 2024	Oct. 31, 2025
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Nov. 01, 2024	Oct. 31, 2025
16	D.C. Power Supply	LongWei	PS-305D	010964729	Nov. 01, 2024	Oct. 31, 2025

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Nov. 05, 2023	Nov. 04, 2026
2	EMI Receiver	R&S	ESR	101421	Nov. 01, 2024	Oct. 31, 2025
3	LISN	R&S	ENV216	102417	Nov. 01, 2024	Oct. 31, 2025
4	843 Cable 1#	ChengYu	CE Cable	001	Nov. 01, 2024	Oct. 31, 2025

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Oct. 25, 2025	Oct. 24, 2026
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Oct. 25, 2025	Oct. 24, 2026
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Oct. 25, 2025	Oct. 24, 2026
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Oct. 25, 2025	Oct. 24, 2026
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Oct. 25, 2025	Oct. 24, 2026
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Oct. 25, 2025	Oct. 24, 2026
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Oct. 25, 2025	Oct. 24, 2026
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12	Antenna connector	Florida RF Labs	N/A	RF 01#	Oct. 25, 2025	Oct. 24, 2026
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Oct. 25, 2025	Oct. 24, 2026
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Oct. 25, 2025	Oct. 24, 2026
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Oct. 25, 2025	Oct. 24, 2026
16	D.C. Power Supply	LongWei	PS-305D	010964729	Oct. 25, 2025	Oct. 24, 2026

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Nov. 05, 2023	Nov. 04, 2026
2	EMI Receiver	R&S	ESR	101421	Oct. 25, 2025	Oct. 24, 2026
3	LISN	R&S	ENV216	102417	Oct. 25, 2025	Oct. 24, 2026
4	843 Cable 1#	ChengYu	CE Cable	001	Oct. 25, 2025	Oct. 24, 2026

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



4 Test Result

4.1 Antenna Requirement

4.1.1 Standard Requirement

Standard Applicable

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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

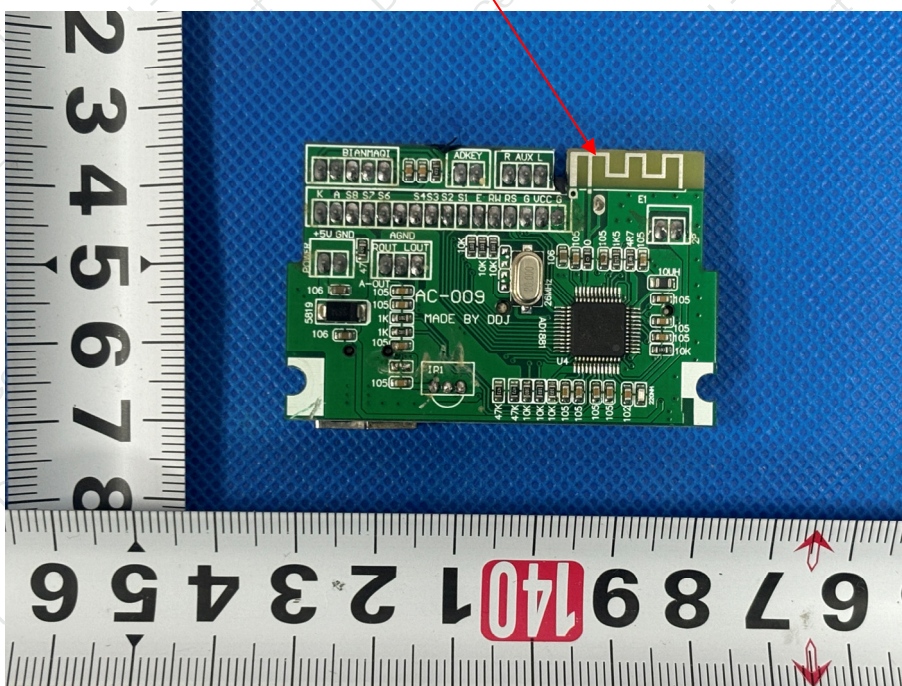
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is need professional installation. It conforms to the standard requirements. And the best case gain of the antenna is Antenna port 1: 2dBi and Antenna port 2: -0.68dBi.



4.1.2 EUT Antenna





4.2 AC Conduction Emissions Measurement

4.2.1 Applied Procedures / Limit

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207, AC Power Line Conducted Emissions Limits for Licence-Exempt Radio Apparatus as below:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

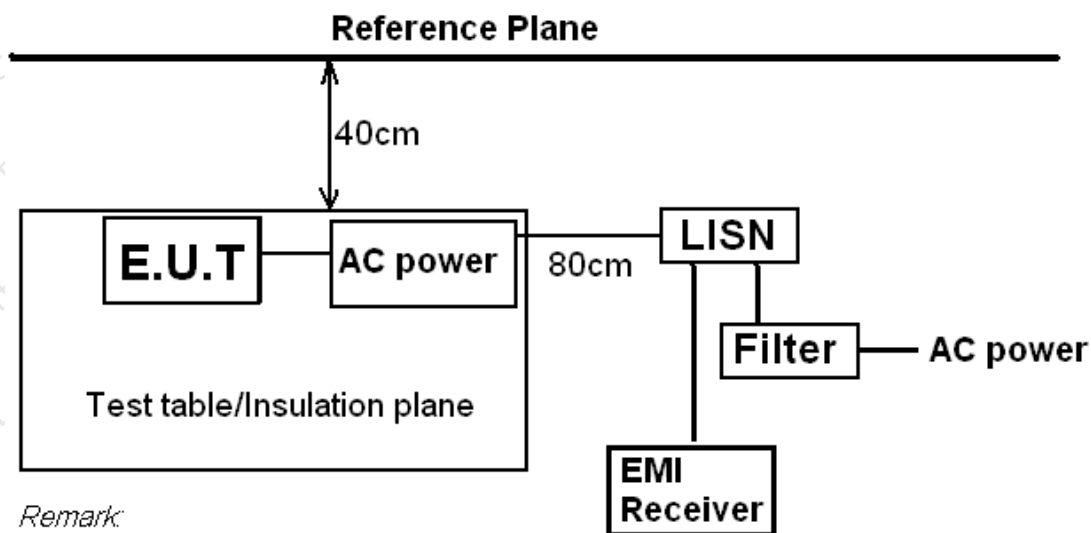
* Decreases with the logarithm of the frequency.

4.2.2 Test Procedure

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.



4.2.3 Test Setup



Remark:

E.U.T: Equipment Under Test

LISN: Line Impedance Stabilization Network

Test table height=0.8m

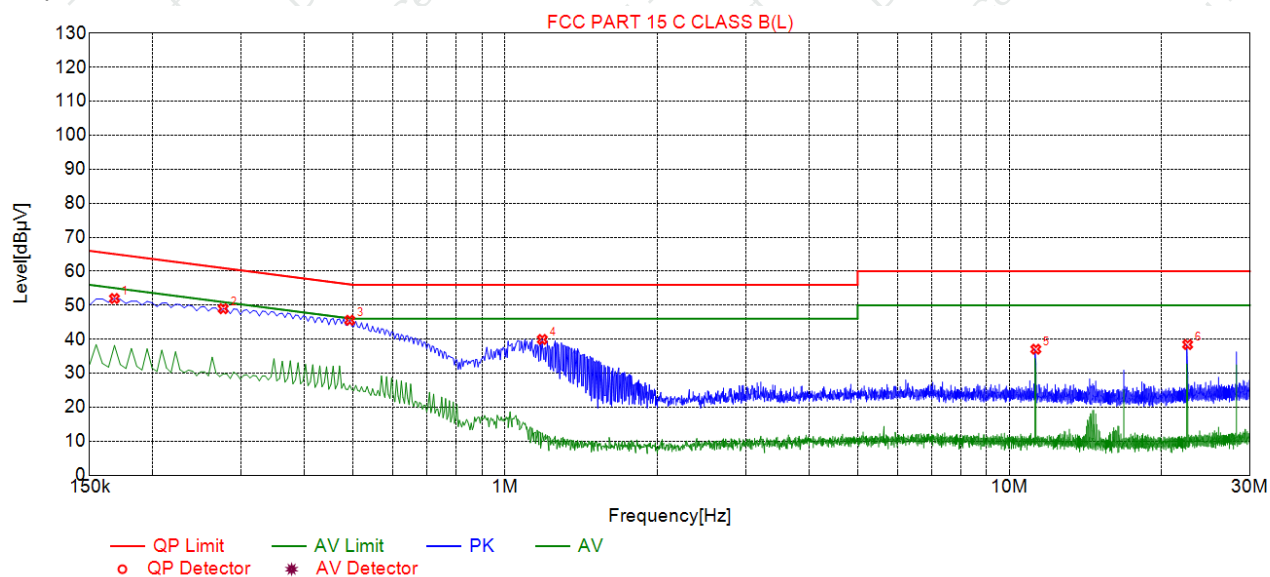


4.2.4 Test Results

All the test modes completed for test. Only the worst result was reported as below:

ANT.1:

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1680	51.98	19.81	65.06	13.08	32.17	PK	L
2	0.2760	48.98	19.84	60.94	11.96	29.14	PK	L
3	0.4920	45.58	19.84	56.13	10.55	25.74	PK	L
4	1.1850	39.93	19.90	56.00	16.07	20.03	PK	L
5	11.2830	37.06	19.89	60.00	22.94	17.17	PK	L
6	22.5645	38.44	20.02	60.00	21.56	18.42	PK	L

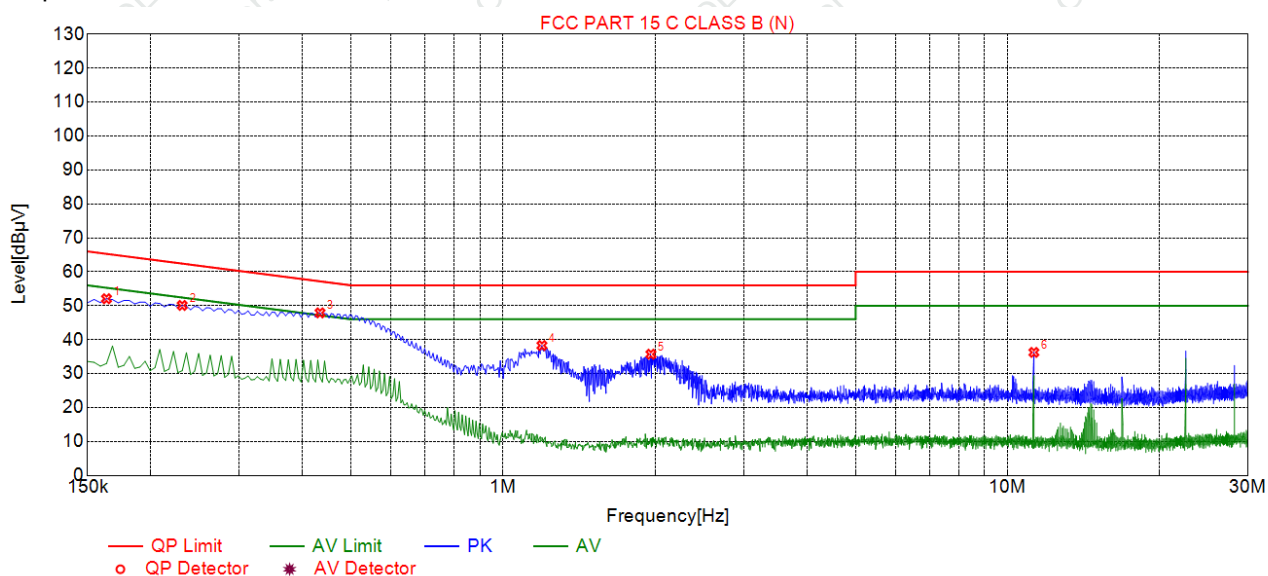
Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Test Specification: Neutral



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1635	52.07	19.68	65.28	13.21	32.39	PK	N
2	0.2310	50.09	19.73	62.41	12.32	30.36	PK	N
3	0.4335	47.90	19.74	57.19	9.29	28.16	PK	N
4	1.1940	38.28	19.77	56.00	17.72	18.51	PK	N
5	1.9635	35.71	19.83	56.00	20.29	15.88	PK	N
6	11.2875	36.25	19.82	60.00	23.75	16.43	PK	N

Remark: Margin = Limit – Level

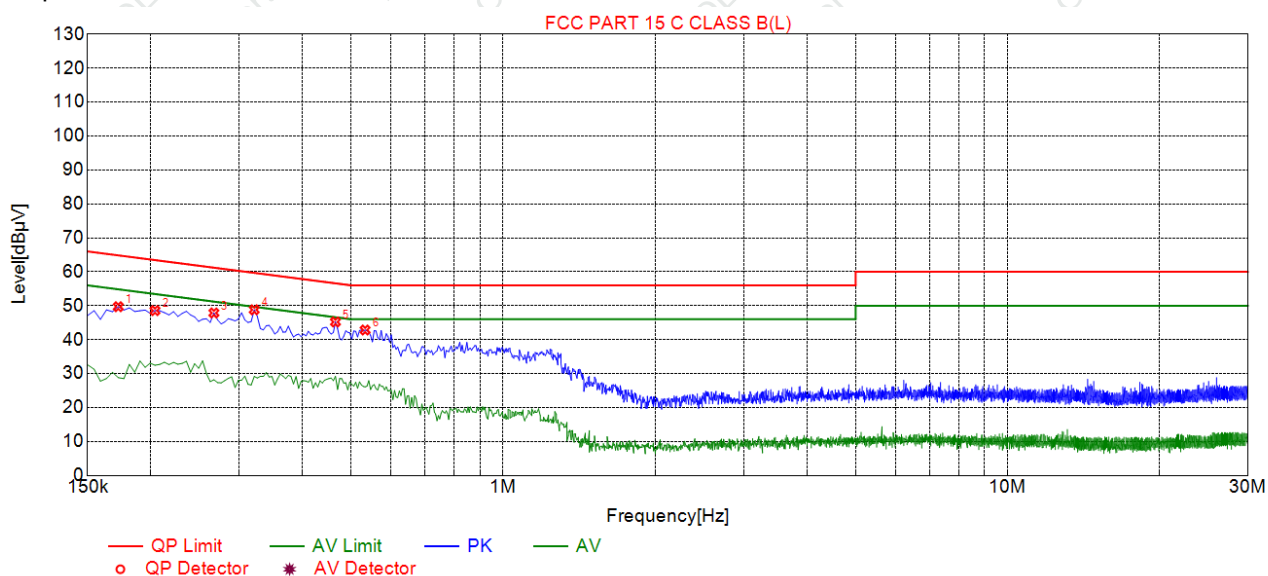
Correction factor = Cable loss + LISN insertion loss

Level=Test receiver reading + correction factor



ANT.2:

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1725	49.71	19.84	64.84	15.13	29.87	PK	L
2	0.2040	48.56	19.84	63.45	14.89	28.72	PK	L
3	0.2670	47.87	19.83	61.21	13.34	28.04	PK	L
4	0.3210	48.81	19.85	59.68	10.87	28.96	PK	L
5	0.4650	45.22	19.84	56.60	11.38	25.38	PK	L
6	0.5325	42.85	19.85	56.00	13.15	23.00	PK	L

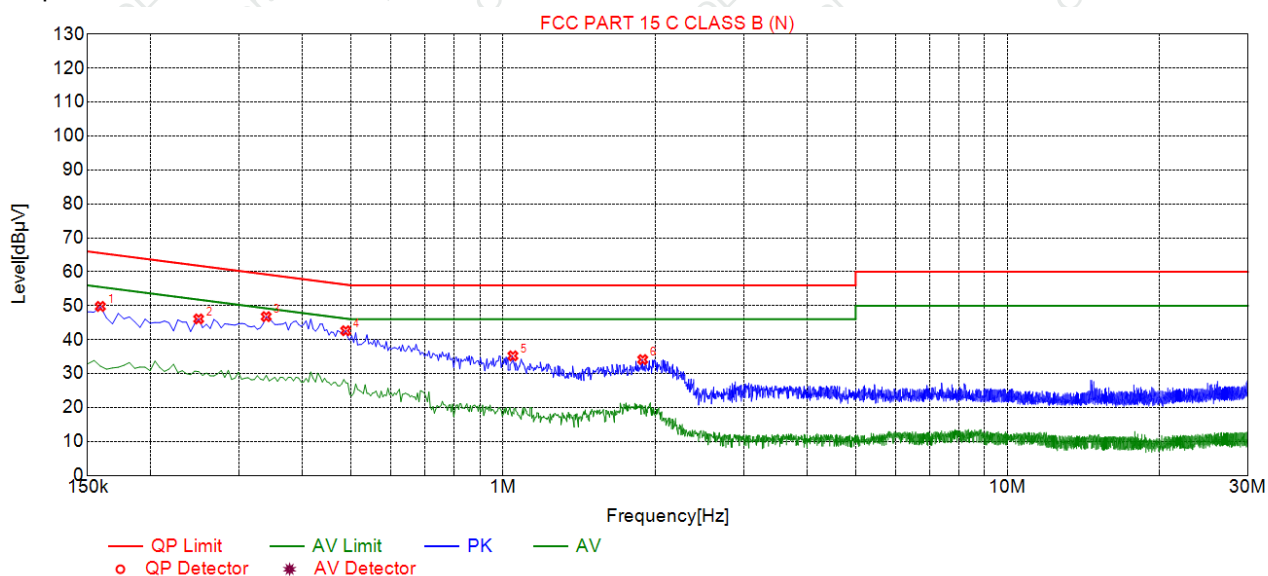
Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Test Specification: Neutral



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1590	49.79	19.70	65.52	15.73	30.09	PK	N
2	0.2490	46.11	19.73	61.79	15.68	26.38	PK	N
3	0.3390	46.79	19.72	59.23	12.44	27.07	PK	N
4	0.4875	42.63	19.73	56.21	13.58	22.90	PK	N
5	1.0455	35.23	19.75	56.00	20.77	15.48	PK	N
6	1.8915	34.13	19.83	56.00	21.87	14.30	PK	N

Remark: Margin = Limit – Level

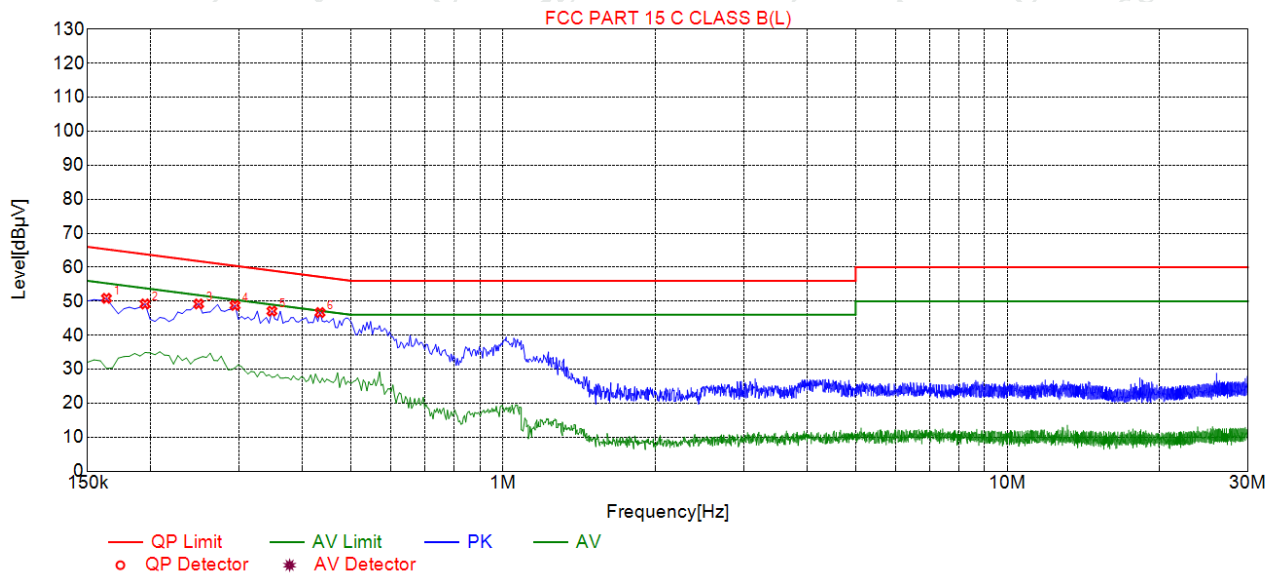
Correction factor = Cable loss + LISN insertion loss

Level=Test receiver reading + correction factor



ANT.1+ANT.2:

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1635	50.86	19.78	65.28	14.42	31.08	PK	L
2	0.1950	49.20	19.84	63.82	14.62	29.36	PK	L
3	0.2490	49.21	19.84	61.79	12.58	29.37	PK	L
4	0.2940	48.79	19.83	60.41	11.62	28.96	PK	L
5	0.3480	47.10	19.83	59.01	11.91	27.27	PK	L
6	0.4335	46.66	19.85	57.19	10.53	26.81	PK	L

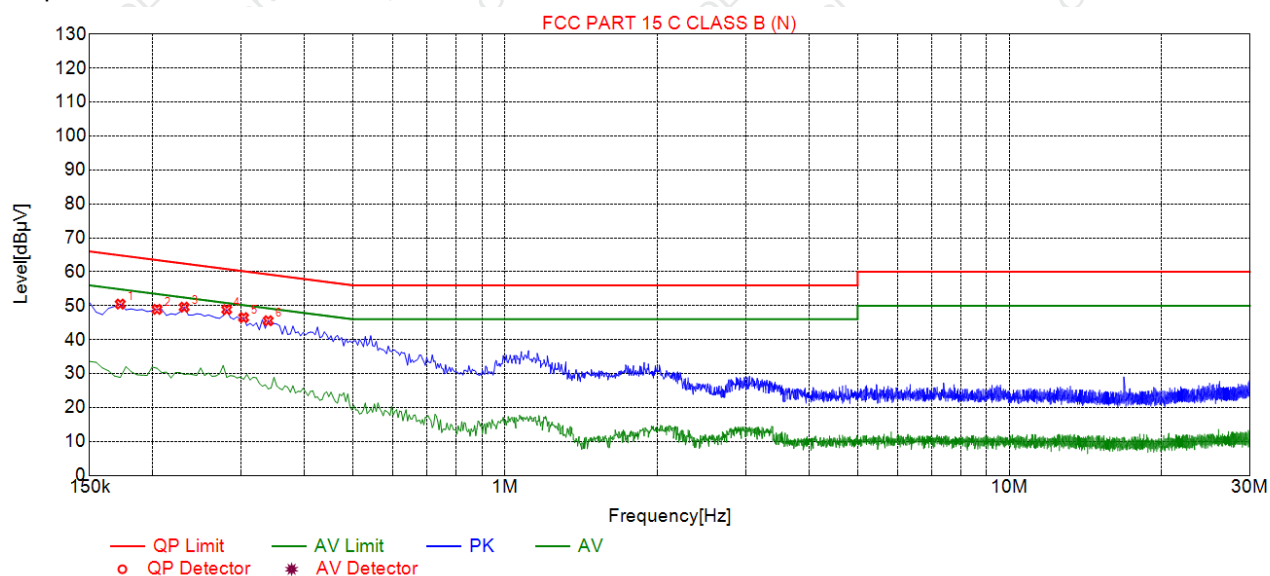
Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Test Specification: Neutral



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1725	50.49	19.73	64.84	14.35	30.76	PK	N
2	0.2040	48.93	19.73	63.45	14.52	29.20	PK	N
3	0.2310	49.58	19.73	62.41	12.83	29.85	PK	N
4	0.2805	48.85	19.73	60.80	11.95	29.12	PK	N
5	0.3030	46.51	19.74	60.16	13.65	26.77	PK	N
6	0.3390	45.58	19.72	59.23	13.65	25.86	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable loss + LISN insertion loss

Level=Test receiver reading + correction factor



4.3 Radiated Emissions Measurement

4.3.1 Applied Procedures / Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

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).

Except when the requirements applicable to a given device state otherwise, emissions from license-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission.

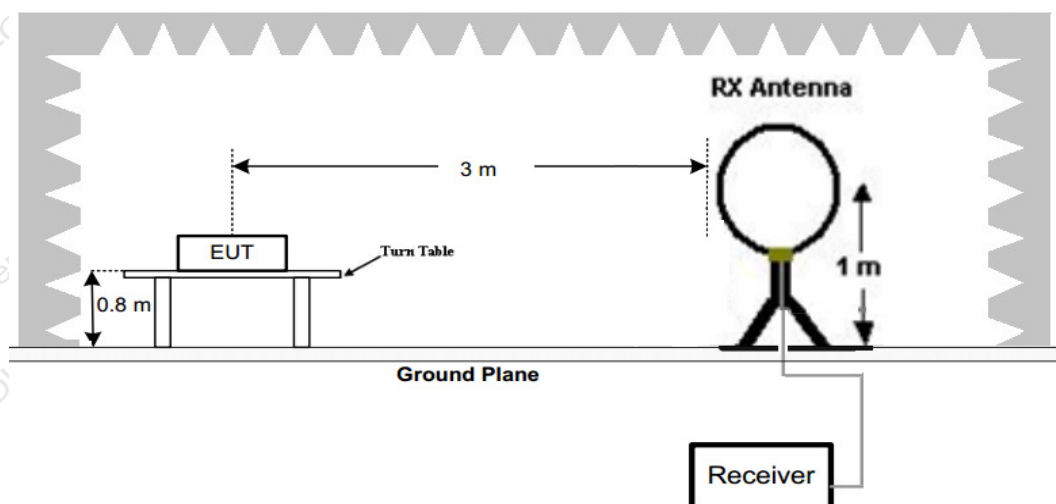
Radiated emission limits

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

4.3.2 Test Setup

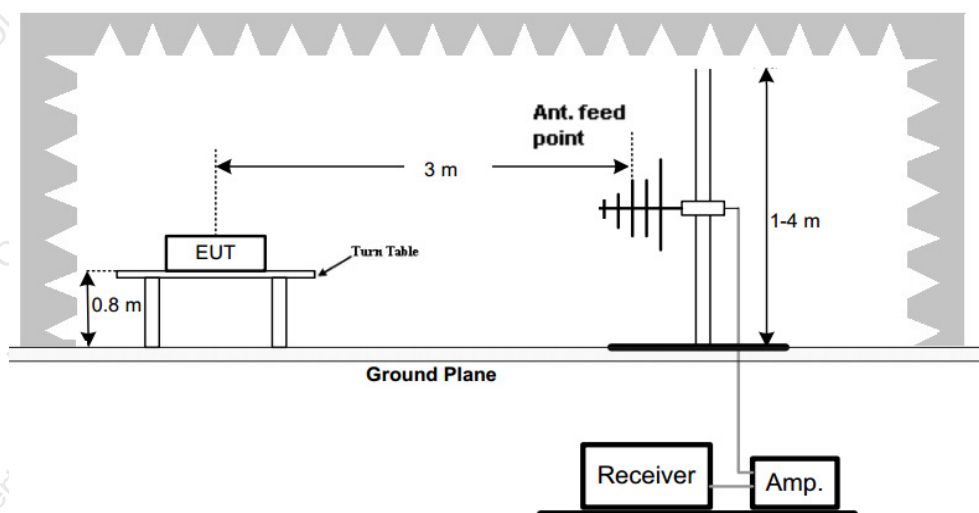
Test Configuration:

- 1) 9 kHz to 30 MHz emissions:

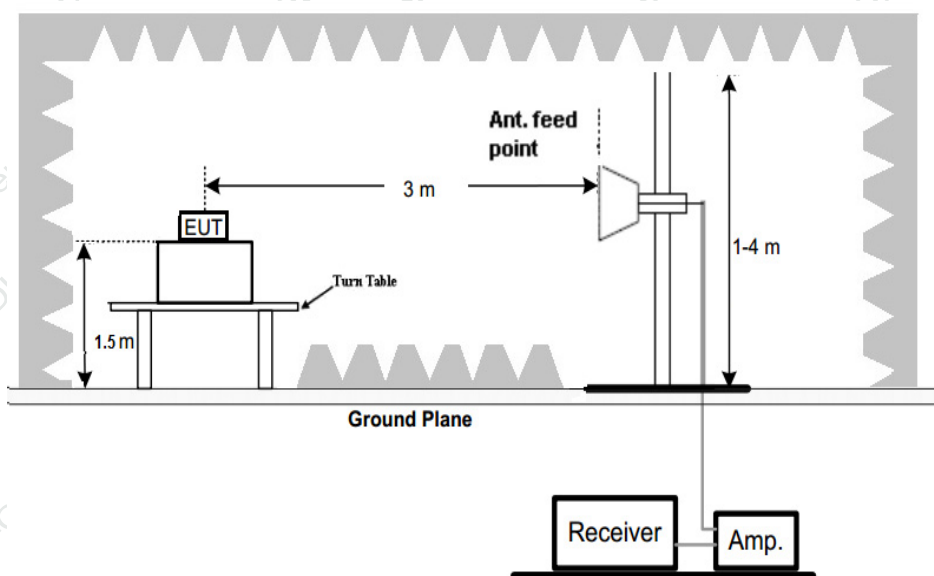




2) 30 MHz to 1 GHz emissions:



3) 1 GHz to 25 GHz emissions:

**Test Procedure**

1. The EUT was placed on turn table which is 0.8m above ground plane for below 1GHz test, and on a low permittivity and low loss tangent turn table which is 1.5m above ground plane for above 1GHz test.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0 degrees to 360 degrees 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.



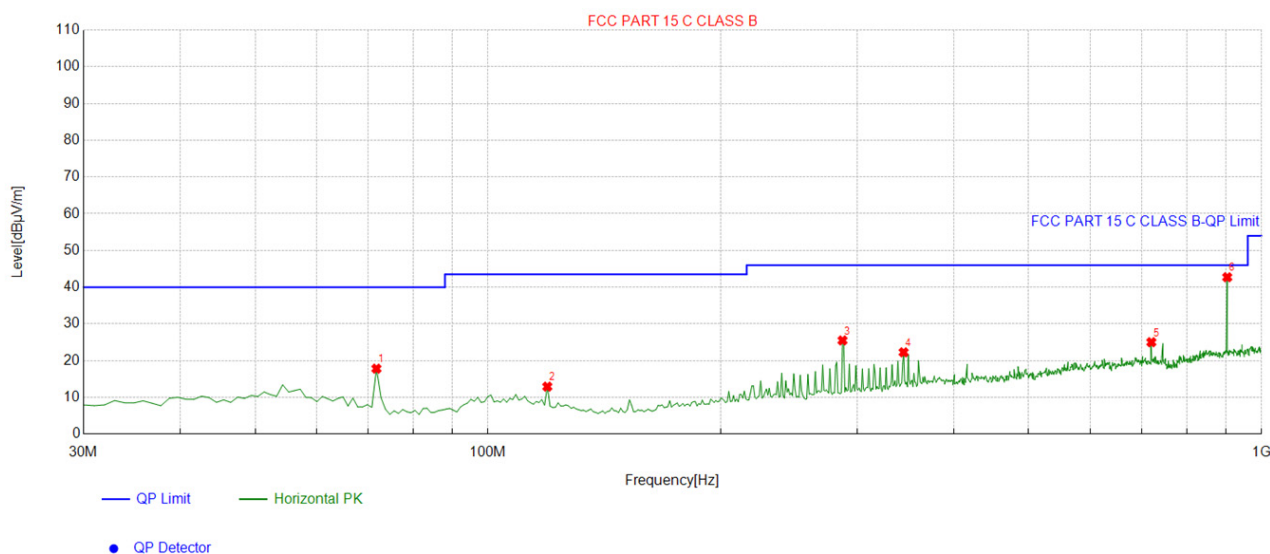
4.3.3 Test Result

Below 1GHz Test Results

All modes have been tested, only the worst mode of GFSK Low channel TX is reflected.

ANT.1:

Antenna polarity: Horizontal

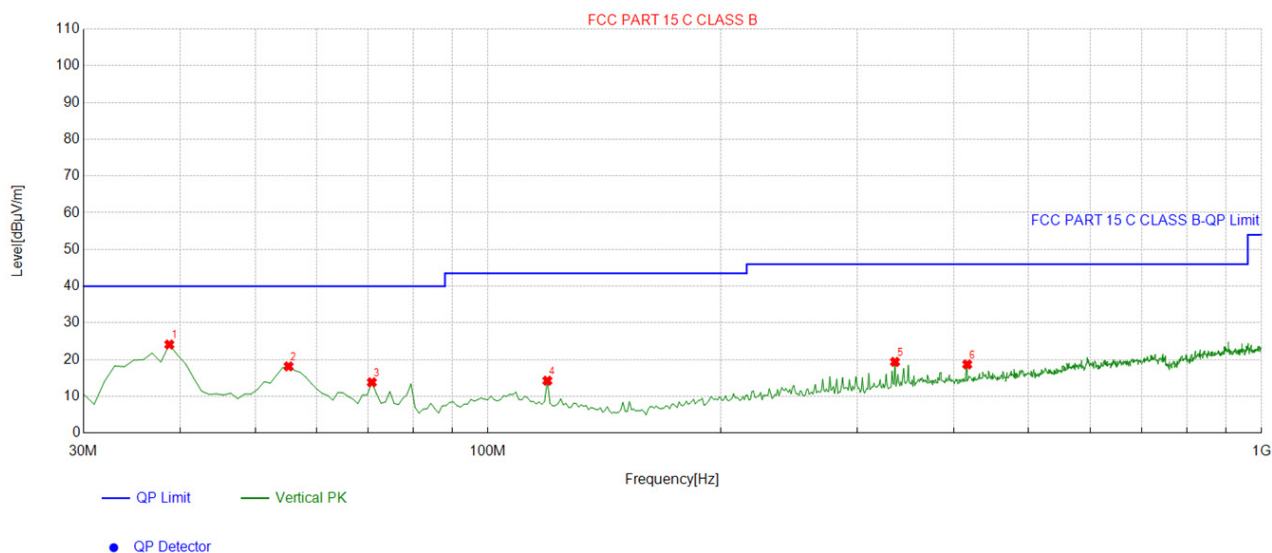


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.751752	-17.38	35.20	17.82	40.00	22.18	100	8	Horizontal
2	119.32932	-15.94	28.87	12.93	43.50	30.57	100	338	Horizontal
3	287.30730	-12.28	37.79	25.51	46.00	20.49	100	144	Horizontal
4	344.59459	-10.15	32.42	22.27	46.00	23.73	100	270	Horizontal
5	720.36036	-4.25	29.27	25.02	46.00	20.98	100	256	Horizontal
6	902.90290	-1.16	43.87	42.71	46.00	3.29	100	28	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



Antenna polarity: Vertical



Suspected List

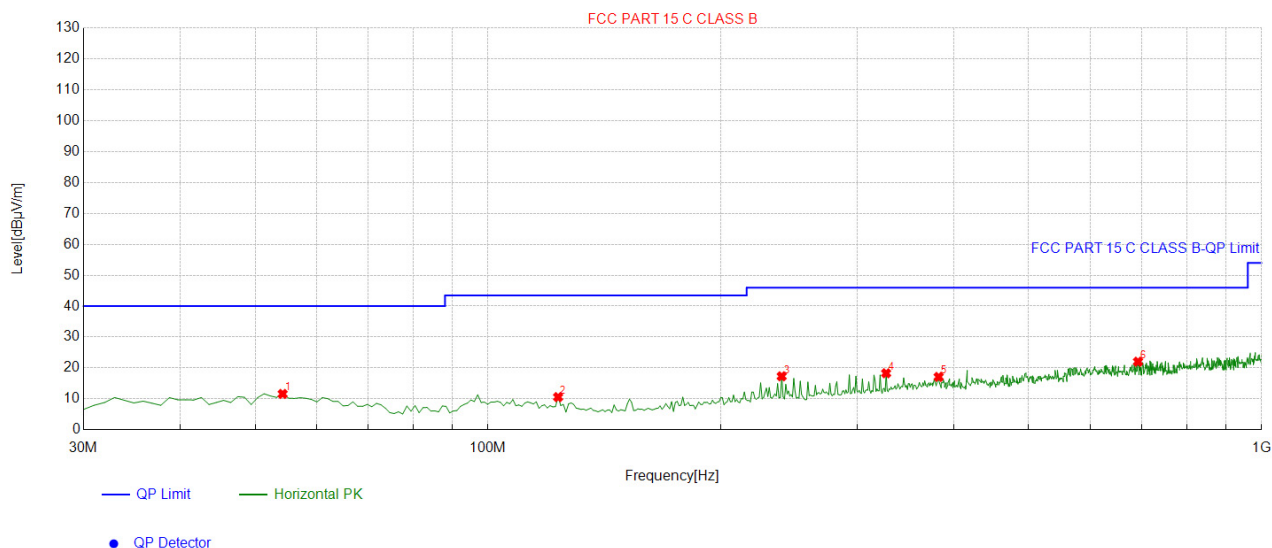
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	38.738739	-14.30	38.42	24.12	40.00	15.88	100	301	Vertical
2	55.245245	-14.00	32.17	18.17	40.00	21.83	100	130	Vertical
3	70.780781	-16.89	30.72	13.83	40.00	26.17	100	153	Vertical
4	119.32932	-15.94	30.21	14.27	43.50	29.23	100	85	Vertical
5	335.85585	-10.57	29.96	19.39	46.00	26.61	100	216	Vertical
6	416.44644	-9.25	27.95	18.70	46.00	27.30	100	1	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



ANT.2:

Antenna polarity: Horizontal

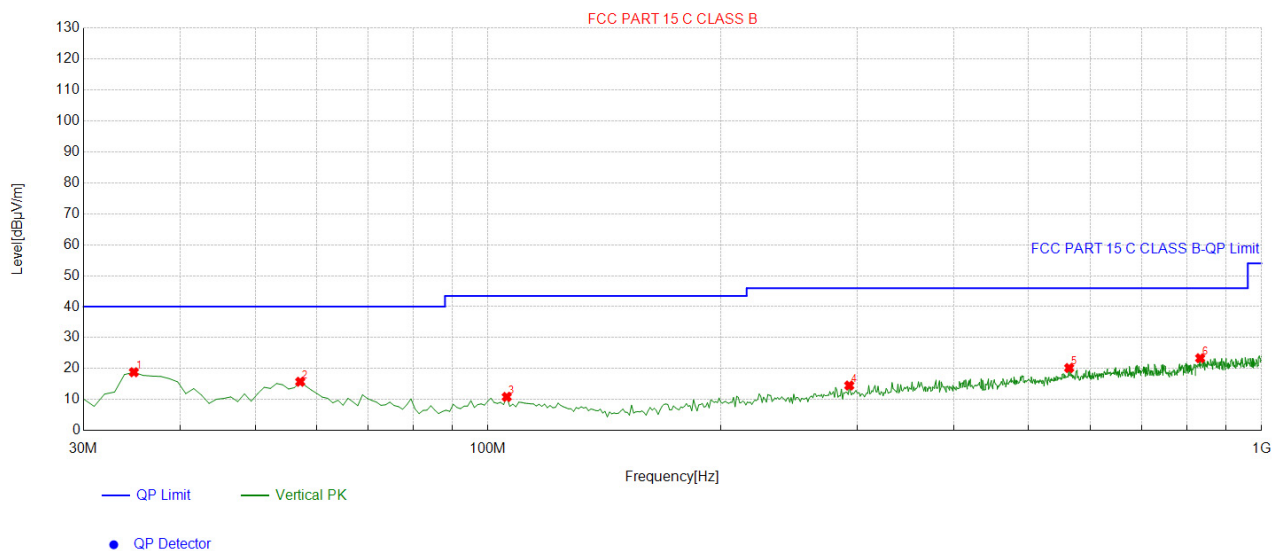


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.274	-13.50	25.12	11.62	40.00	28.38	100	31	Horizontal
2	123.213	-16.28	26.87	10.59	43.50	32.91	100	352	Horizontal
3	239.730	-13.71	31.03	17.32	46.00	28.68	100	161	Horizontal
4	327.117	-10.96	29.26	18.30	46.00	27.70	100	196	Horizontal
5	382.462	-9.17	26.29	17.12	46.00	28.88	100	236	Horizontal
6	692.202	-4.11	26.16	22.05	46.00	23.95	100	161	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



Antenna polarity: Vertical



Suspected List

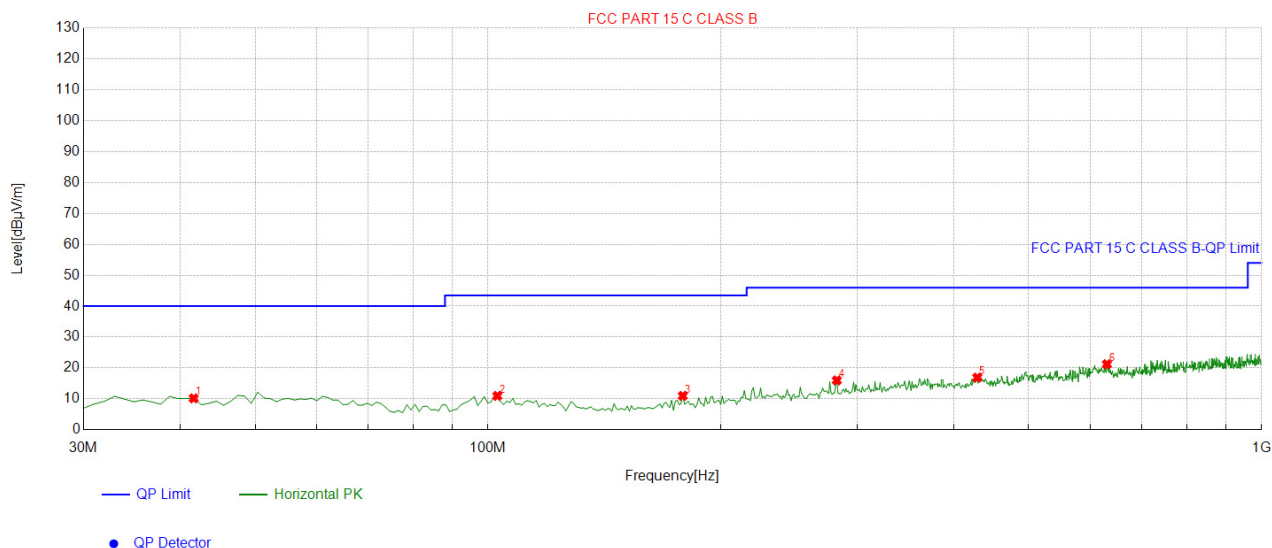
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	34.855	-14.84	33.69	18.85	40.00	21.15	100	349	Vertical
2	57.187	-13.76	29.53	15.77	40.00	24.23	100	85	Vertical
3	105.736	-14.49	25.36	10.87	43.50	32.63	100	290	Vertical
4	293.133	-11.96	26.51	14.55	46.00	31.45	100	26	Vertical
5	564.034	-6.26	26.47	20.21	46.00	25.79	100	0	Vertical
6	832.993	-2.51	25.88	23.37	46.00	22.63	100	113	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



ANT.1+ANT.2:

Antenna polarity: Horizontal



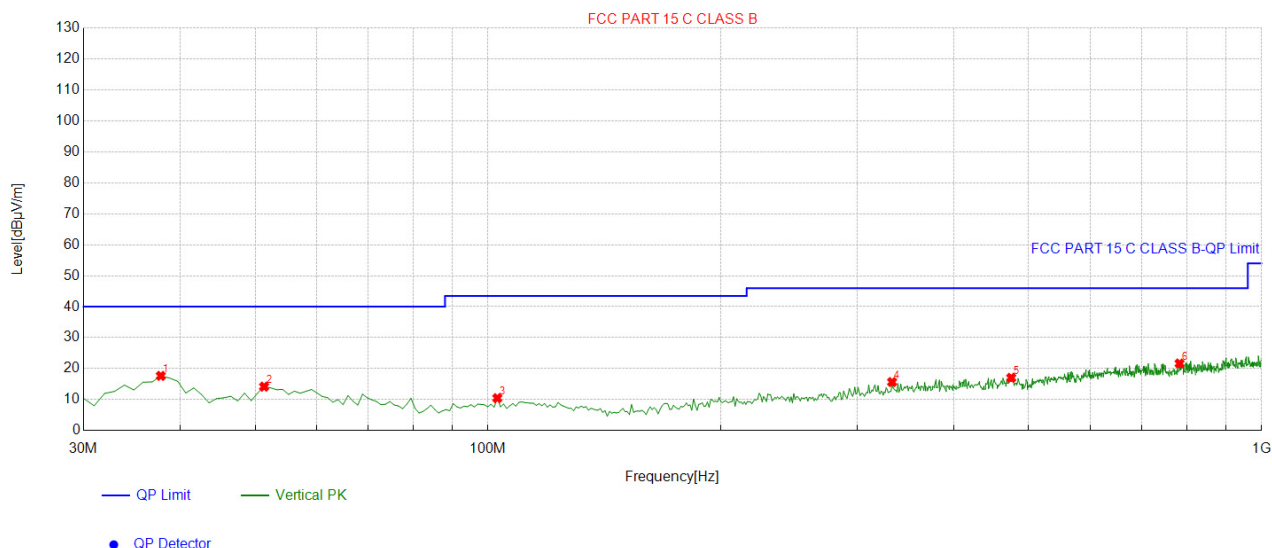
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.652	-13.41	23.60	10.19	40.00	29.81	100	259	Horizontal
2	102.823	-14.98	25.97	10.99	43.50	32.51	100	78	Horizontal
3	178.559	-16.60	27.59	10.99	43.50	32.51	100	141	Horizontal
4	282.452	-12.56	28.55	15.99	46.00	30.01	100	179	Horizontal
5	429.069	-8.75	25.65	16.90	46.00	29.10	100	184	Horizontal
6	631.031	-4.97	26.19	21.22	46.00	24.78	100	184	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



Antenna polarity: Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.768	-14.98	32.66	17.68	40.00	22.32	100	179	Vertical
2	51.361	-13.25	27.44	14.19	40.00	25.81	100	43	Vertical
3	102.823	-14.98	25.47	10.49	43.50	33.01	100	91	Vertical
4	332.943	-10.72	26.40	15.68	46.00	30.32	100	359	Vertical
5	474.705	-8.23	25.27	17.04	46.00	28.96	100	94	Vertical
6	783.473	-3.77	25.43	21.66	46.00	24.34	100	301	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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--	--	--
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Note: 1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.



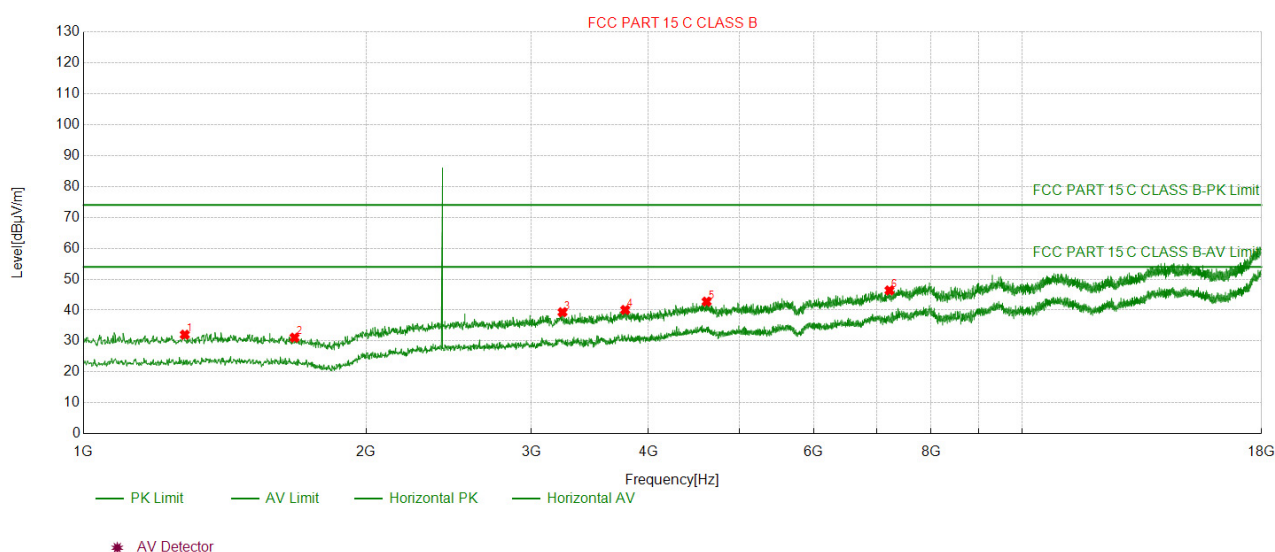
Above 1GHz Test Results

All the test modes completed for test. Only the worst result was reported as below:

For 1GHz to 18GHz

ANT.1:

Antenna polarity: Horizontal



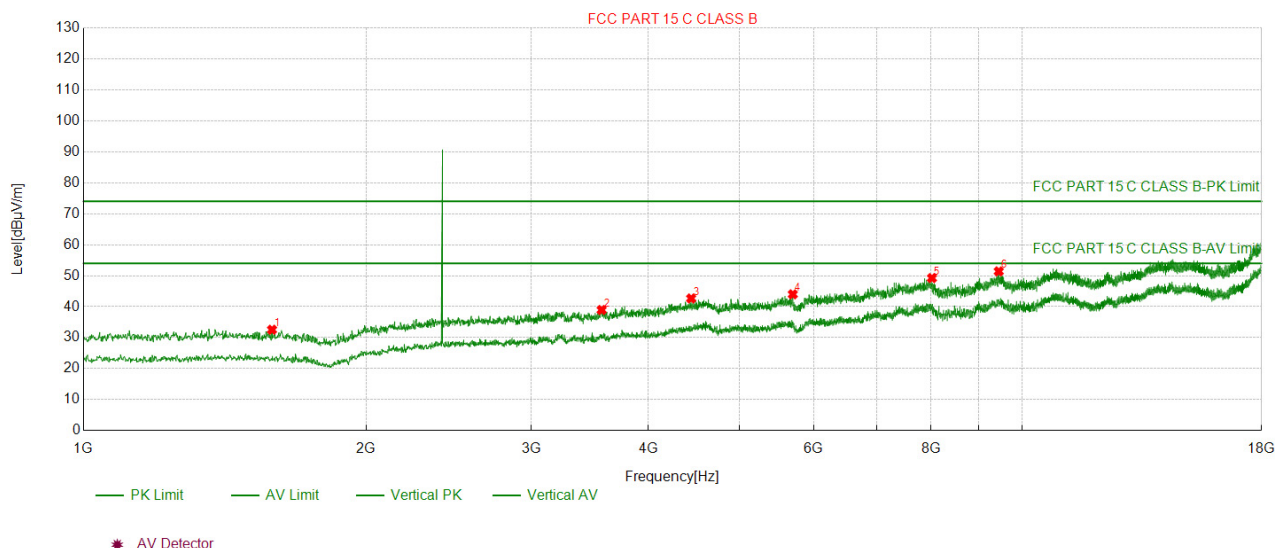
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1282.228	52.88	32.07	-20.81	74.00	41.93	150	320	Horizontal
2	1678.367	51.19	31.12	-20.07	74.00	42.88	150	210	Horizontal
3	3239.123	53.86	39.34	-14.52	74.00	34.66	150	30	Horizontal
4	3778.077	52.19	40.08	-12.11	74.00	33.92	150	170	Horizontal
5	4612.861	52.28	42.75	-9.53	74.00	31.25	150	80	Horizontal
6	7224.322	51.18	46.39	-4.79	74.00	27.61	150	300	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected Data List

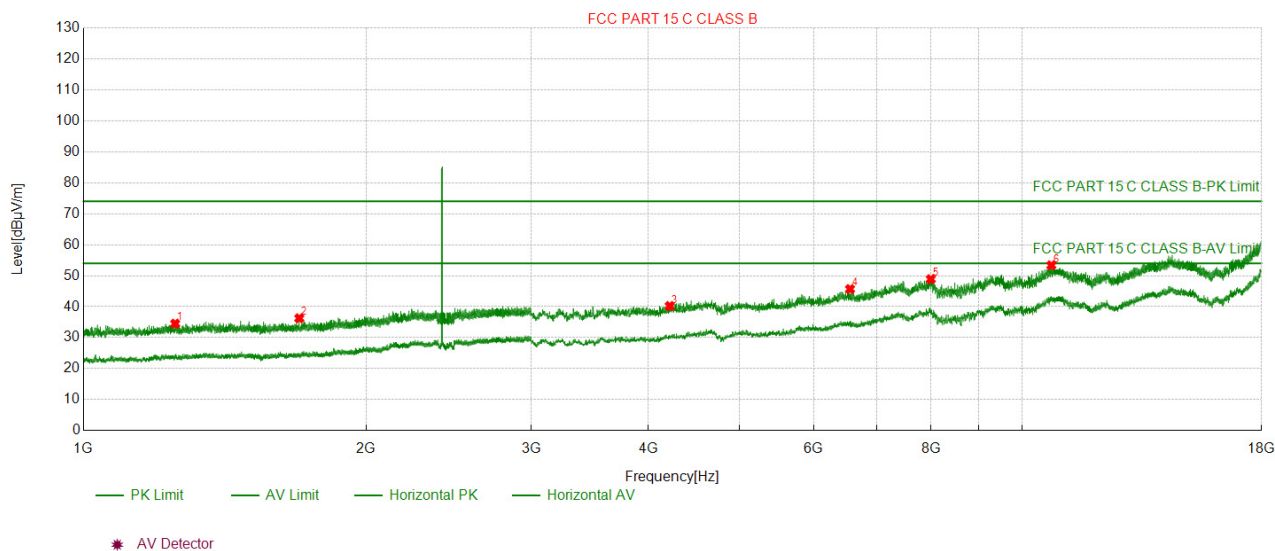
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1588.258	52.77	32.57	-20.20	74.00	41.43	150	310	Vertical
2	3565.556	52.59	38.94	-13.65	74.00	35.06	150	190	Vertical
3	4441.144	52.93	42.66	-10.27	74.00	31.34	150	200	Vertical
4	5699.269	52.14	44.00	-8.14	74.00	30.00	150	100	Vertical
5	8018.301	51.46	49.24	-2.22	74.00	24.76	150	150	Vertical
6	9446.444	52.15	51.41	-0.74	74.00	22.59	150	300	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



ANT.2:

Antenna polarity: Horizontal



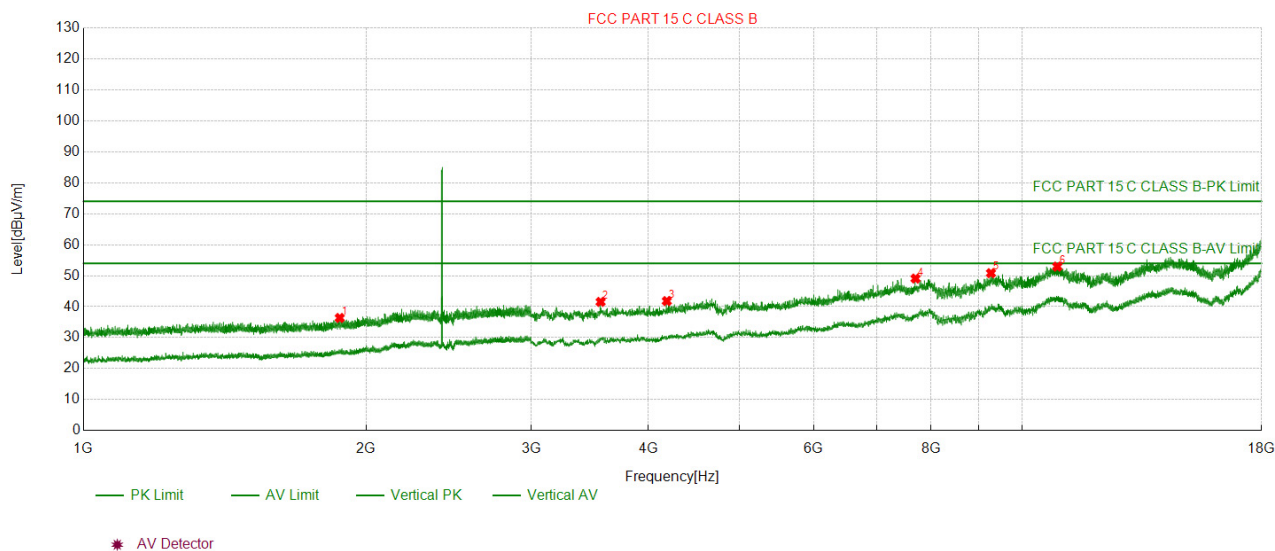
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1252.425	53.45	34.53	-18.92	74.00	39.47	150	230	Horizontal
2	1698.270	54.51	36.26	-18.25	74.00	37.74	150	180	Horizontal
3	4213.621	51.15	40.21	-10.94	74.00	33.79	150	270	Horizontal
4	6558.356	51.81	45.70	-6.11	74.00	28.30	150	340	Horizontal
5	7995.500	50.63	48.90	-1.73	74.00	25.10	150	90	Horizontal
6	10746.775	50.88	53.37	2.49	74.00	20.63	150	200	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1875.288	53.58	36.37	-17.21	74.00	37.63	150	100	Vertical
2	3556.556	54.45	41.56	-12.89	74.00	32.44	150	230	Vertical
3	4183.618	52.91	41.82	-11.09	74.00	32.18	150	320	Vertical
4	7701.470	52.37	49.09	-3.28	74.00	24.91	150	140	Vertical
5	9267.627	51.64	50.83	-0.81	74.00	23.17	150	160	Vertical
6	10905.791	50.19	52.95	2.76	74.00	21.05	150	70	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level