



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-260313047R

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. Summary

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

ANSI C63.10:2020 : American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.215	20dB Bandwidth& 99% Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Peak Output Power	PASS
FCC Part 15.247 (a) (1)	Pseudorandom Frequency Hopping Sequence	PASS
FCC Part 15.247(a)(1)(iii)	Number of Hopping Frequency& Time of Occupancy	PASS
FCC Part 15.247(a)(1)	Frequency Separation	PASS
FCC Part 15.205/15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge Compliance of RF Emission	PASS



1.3. Test Facility

1.3.1 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

1.4. Statement of the 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	$\pm 1.0\%$



2. General Information

2.1. Environmental Conditions

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

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Description of EUT

Product Name:	Amplifier
Model/Type Reference:	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.
Power Supply:	AC110-120V, 60Hz
Version:	Supported EDR
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation Frequency:	2402MHz~2480MHz
Channel Number:	79
Channel Separation:	1MHz
Antenna Type:	ANT.1: External Antenna ANT.2: PCB Antenna
Antenna Gain:	ANT.1: 2dBi ANT.2: -0.68dBi
Hardware Version:	V1.0
Software Version:	V1.0

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.



2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

There are 79 channels provided to the EUT and Channel 00/39/78 was selected for testing.

Operation Frequency:

Channel	Frequency (MHz)
00	2402
01	2403
⋮	⋮
38	2440
39	2441
40	2442
⋮	⋮
77	2479
78	2480

Note: The line display in grey were the channel selected for testing

Preliminary tests were performed in each mode and packet length of BT, and found worst case as below, finally test were conducted at those mode and recorded in this report.

Test Items	Worst case
AC Conducted Emissions	Charging mode
Radiated Emissions and Band Edge	DH5 Low channel
Maximum Conducted Output Power	DH5/2DH5/3DH5
20dB Bandwidth&99% Bandwidth	DH5/2DH5/3DH5
Frequency Separation	DH5/2DH5/3DH5 Middle channel
Number of hopping frequency	DH5/2DH5/3DH5
Time of Occupancy (Dwell Time)	DH1/DH3/DH5 Middle channel 2DH1/2DH3/2DH5 Middle channel 3DH1/3DH3/3DH5 Middle channel
Out-of-band Emissions	DH5/2DH5/3DH5



2.4. Equipments Used during the Test

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_EMCC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMCC	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
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15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Oct. 25, 2025	Oct. 24, 2026
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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_EMCC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMCC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

No modifications were implemented to meet testing criteria.

2.7. 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



2.8. 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. Test Conditions and Results

3.1. AC Conducted Emissions Test

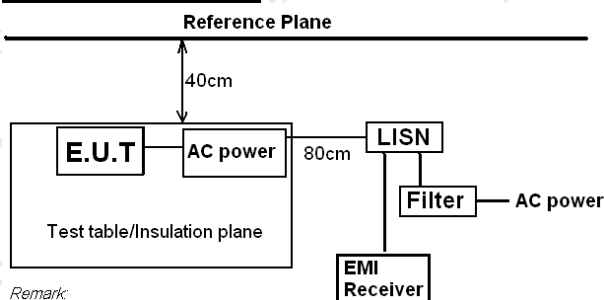
Limit

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207 and RSS Gen 8.8, AC Power Line Conducted Emissions Limits for License-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.

Test Configuration



Remark:

E.U.T: Equipment Under Test

LISN: Line Impedance Stabilization Network

Test table height=0.8m

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.

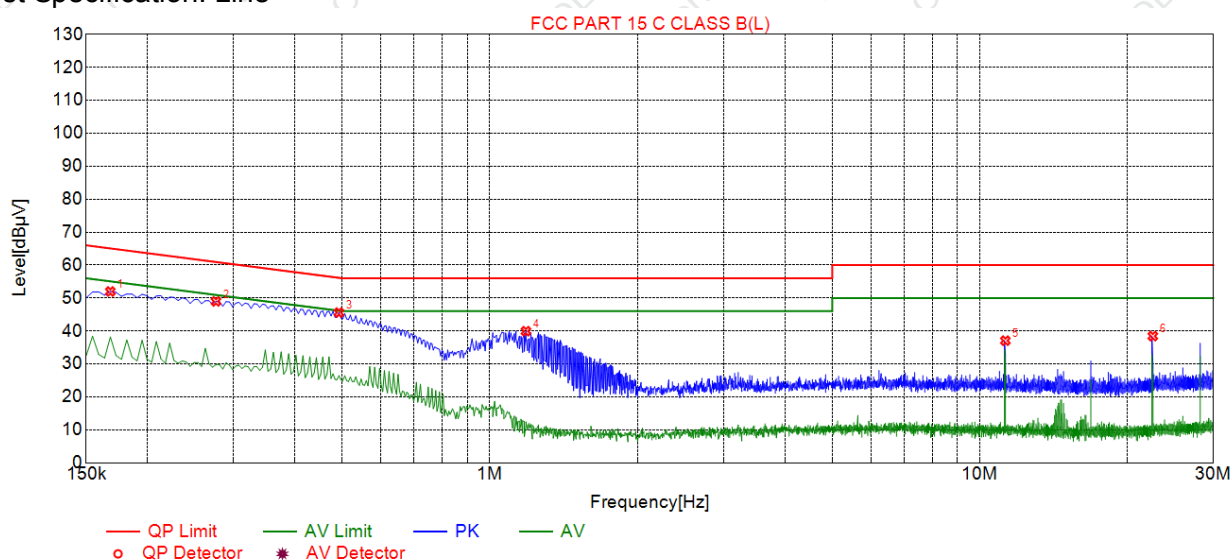


Test Results

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

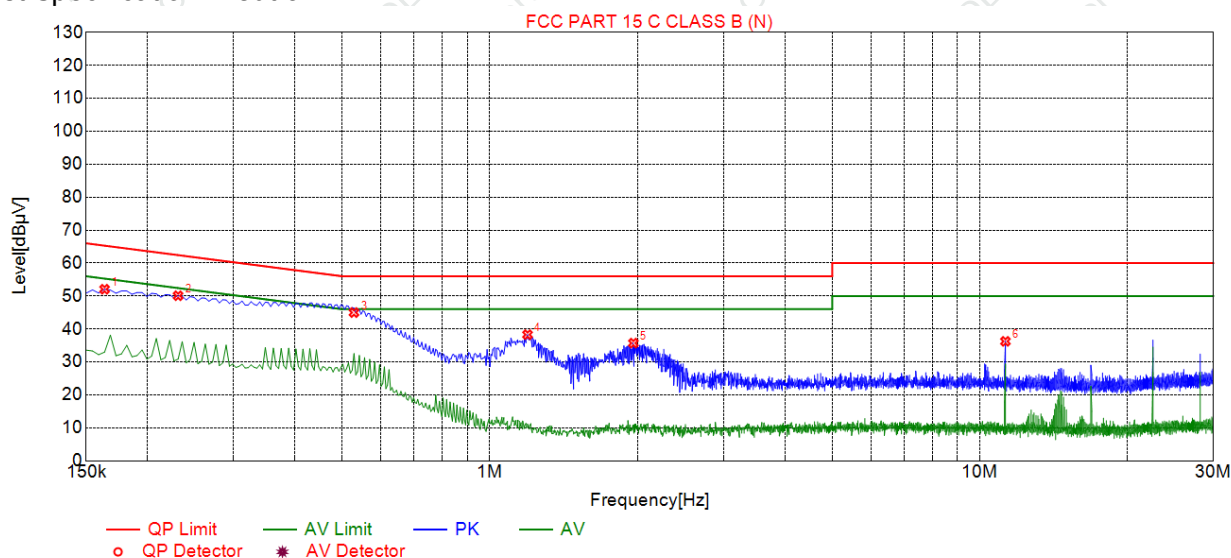
Remark: Margin = Limit – Level

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	0.5280	44.98	19.73	56.00	11.02	25.25	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

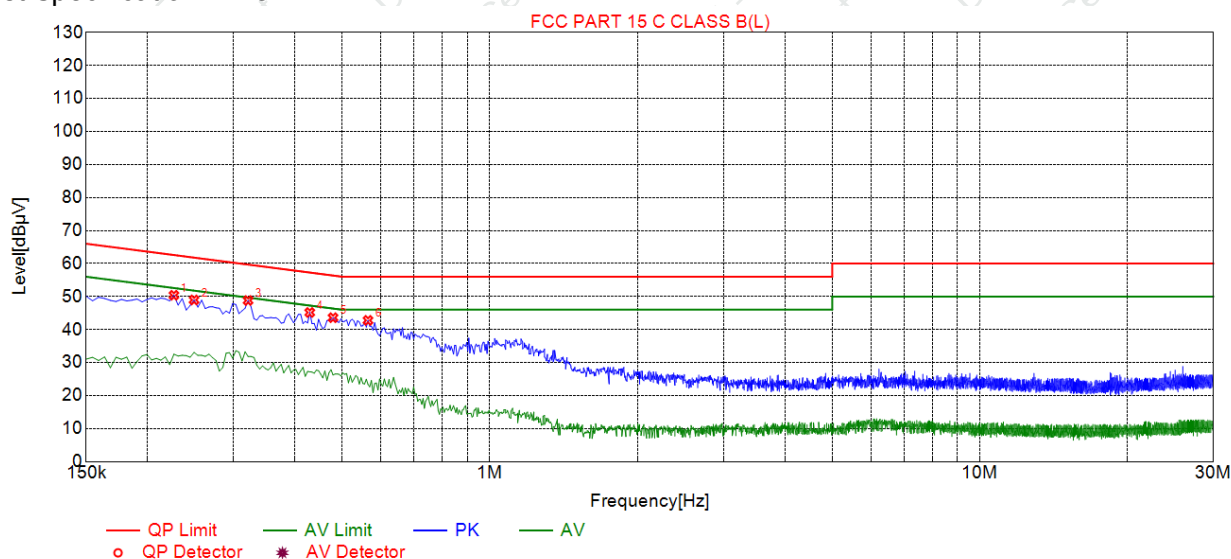
Correction factor = Cable lose + LISN insertion loss

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	0.2265	50.39	19.84	62.58	12.19	30.55	PK	L
2	0.2490	48.97	19.84	61.79	12.82	29.13	PK	L
3	0.3210	48.81	19.85	59.68	10.87	28.96	PK	L
4	0.4290	45.17	19.85	57.27	12.10	25.32	PK	L
5	0.4785	43.59	19.84	56.37	12.78	23.75	PK	L
6	0.5640	42.78	19.86	56.00	13.22	22.92	PK	L

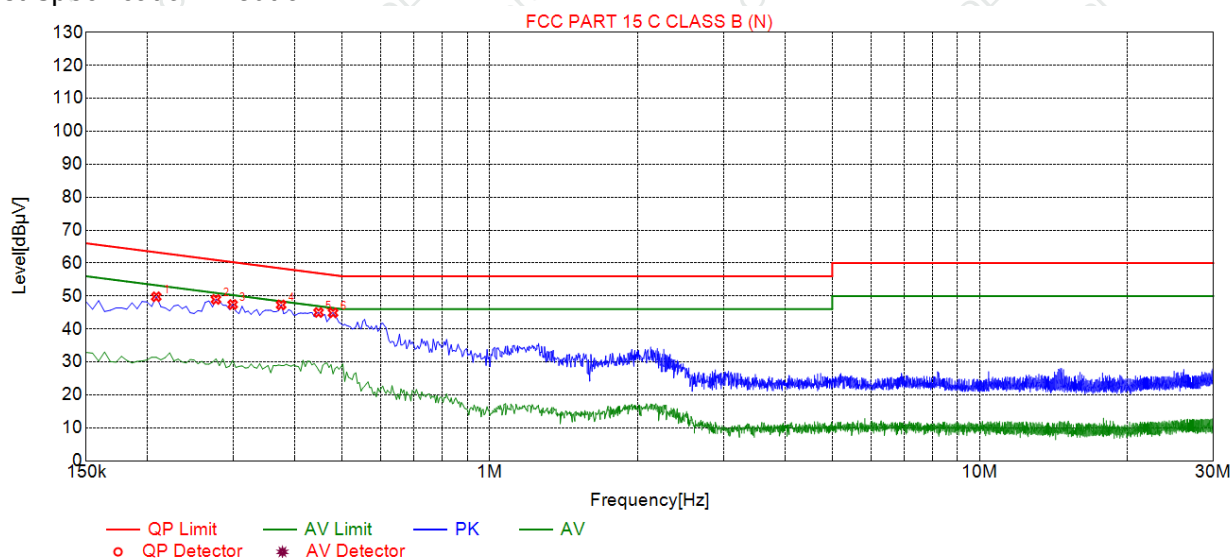
Remark: Margin = Limit – Level

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	0.2085	49.78	19.74	63.26	13.48	30.04	PK	N
2	0.2760	48.96	19.73	60.94	11.98	29.23	PK	N
3	0.2985	47.42	19.73	60.28	12.86	27.69	PK	N
4	0.3750	47.31	19.74	58.39	11.08	27.57	PK	N
5	0.4470	45.00	19.74	56.93	11.93	25.26	PK	N
6	0.4785	44.89	19.73	56.37	11.48	25.16	PK	N

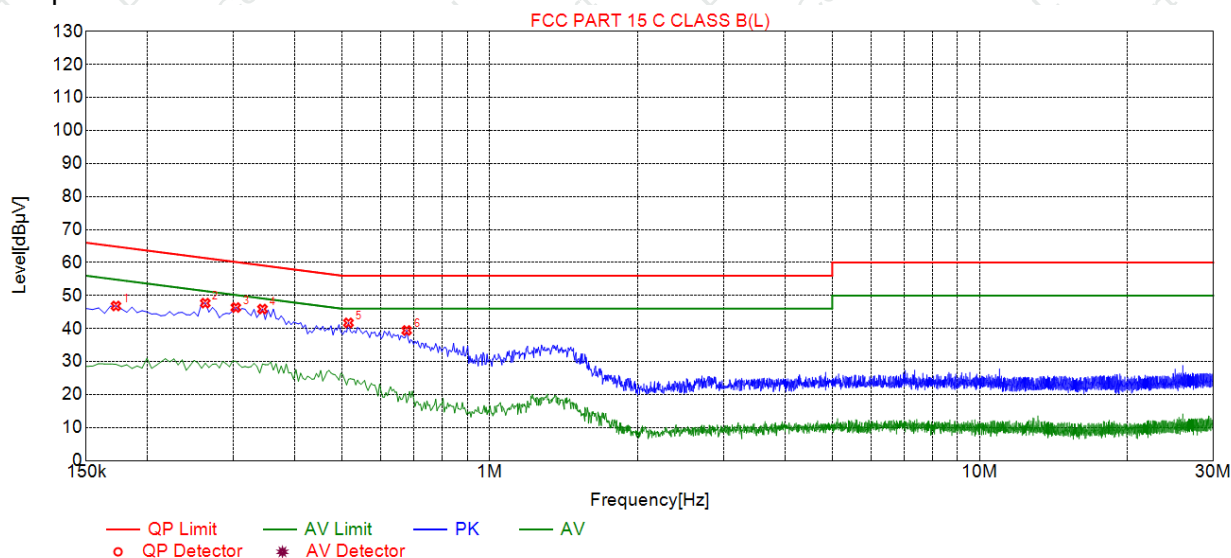
Remark: Margin = Limit – Level

Correction factor = Cable lose + 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	0.1725	46.84	19.84	64.84	18.00	27.00	PK	L
2	0.2625	47.70	19.83	61.35	13.65	27.87	PK	L
3	0.3030	46.37	19.85	60.16	13.79	26.52	PK	L
4	0.3435	45.91	19.83	59.12	13.21	26.08	PK	L
5	0.5145	41.72	19.85	56.00	14.28	21.87	PK	L
6	0.6765	39.42	19.86	56.00	16.58	19.56	PK	L

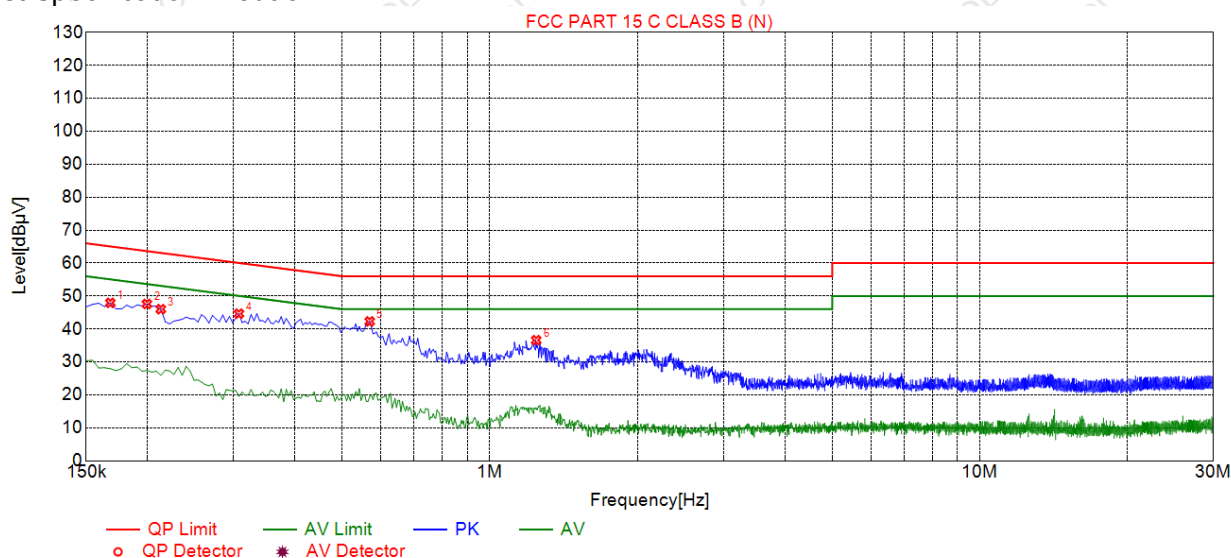
Remark: Margin = Limit – Level

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	0.1680	47.93	19.71	65.06	17.13	28.22	PK	N
2	0.1995	47.59	19.73	63.63	16.04	27.86	PK	N
3	0.2130	46.01	19.74	63.09	17.08	26.27	PK	N
4	0.3075	44.65	19.75	60.04	15.39	24.90	PK	N
5	0.5685	42.29	19.74	56.00	13.71	22.55	PK	N
6	1.2435	36.61	19.77	56.00	19.39	16.84	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



3.2. Radiated Emissions

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)

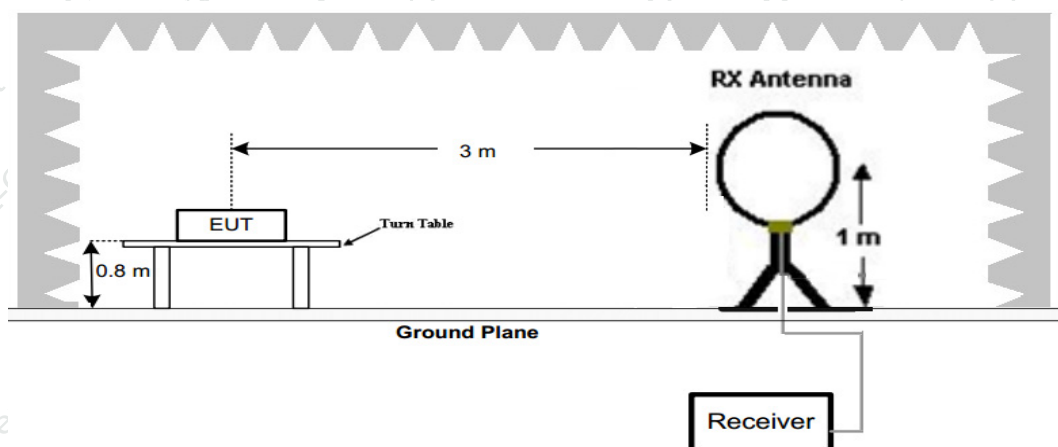
Except when the requirements applicable to a given device state otherwise, emissions from licence-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission

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

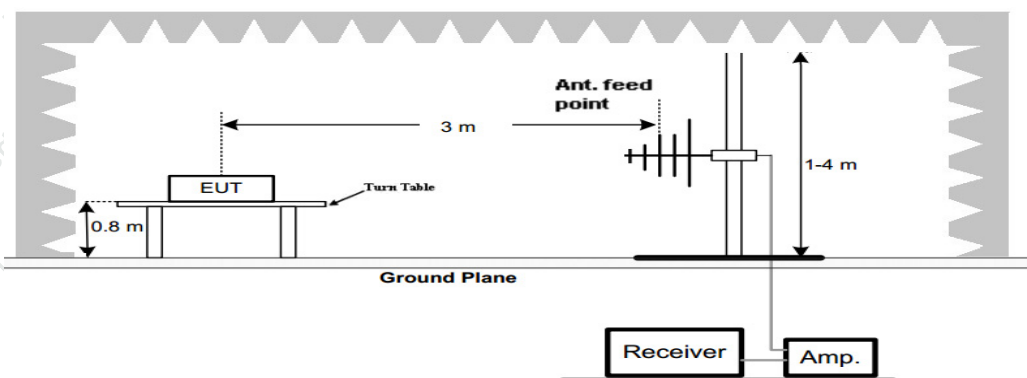
Test Configuration

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz

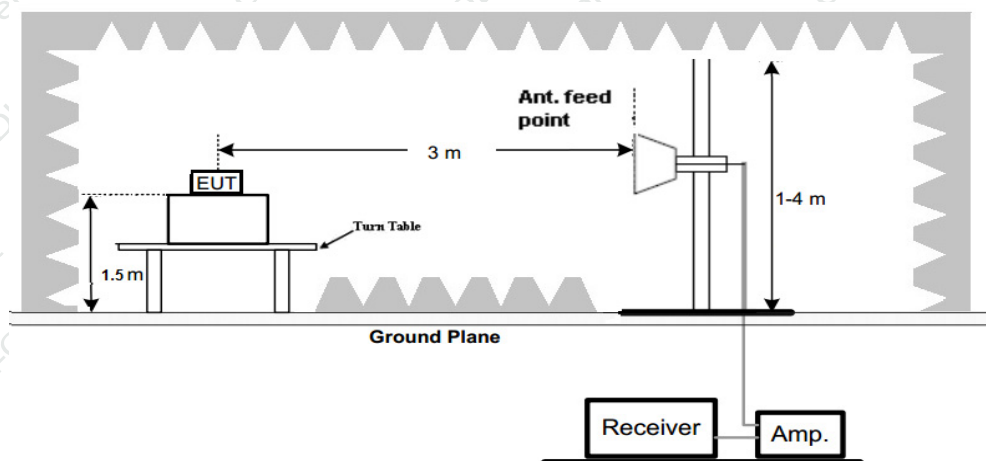




(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz

**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° 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.

Test Results**Remark:**

1. Radiated Emission measured at GFSK, $\pi/4$ DQPSK and 8DPSK mode from 9 KHz to 10th harmonic of fundamental and recorded worst case at GFSK DH5 mode.
2. There is no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
3. For below 1GHz testing recorded worst at GFSK DH5 low channel.

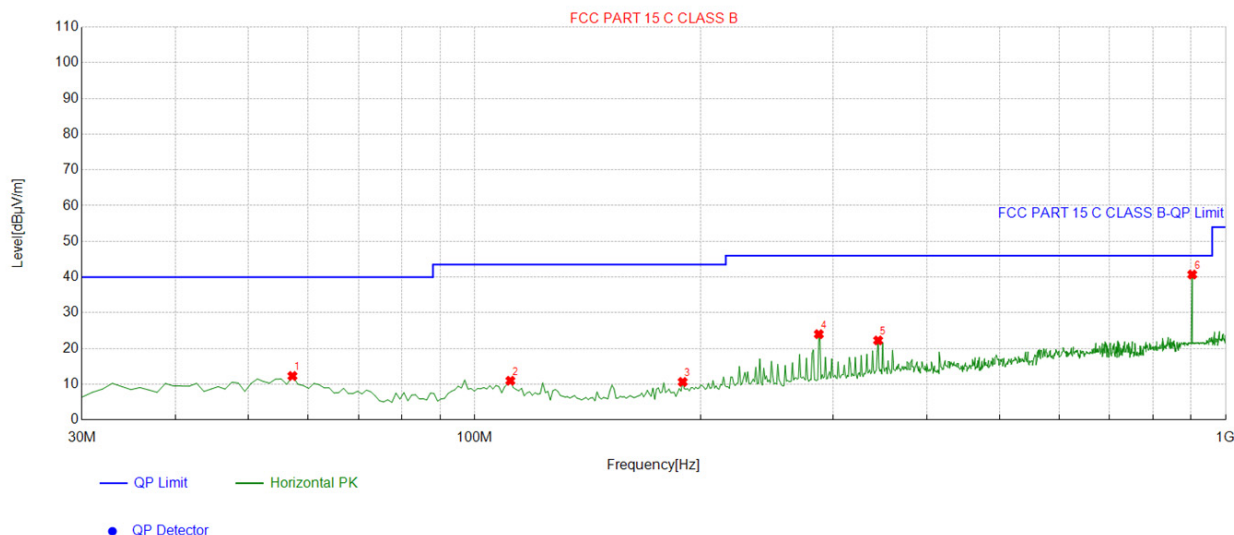


Below 1GHz Test Results

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

ANT.1:

Antenna polarity: Horizontal

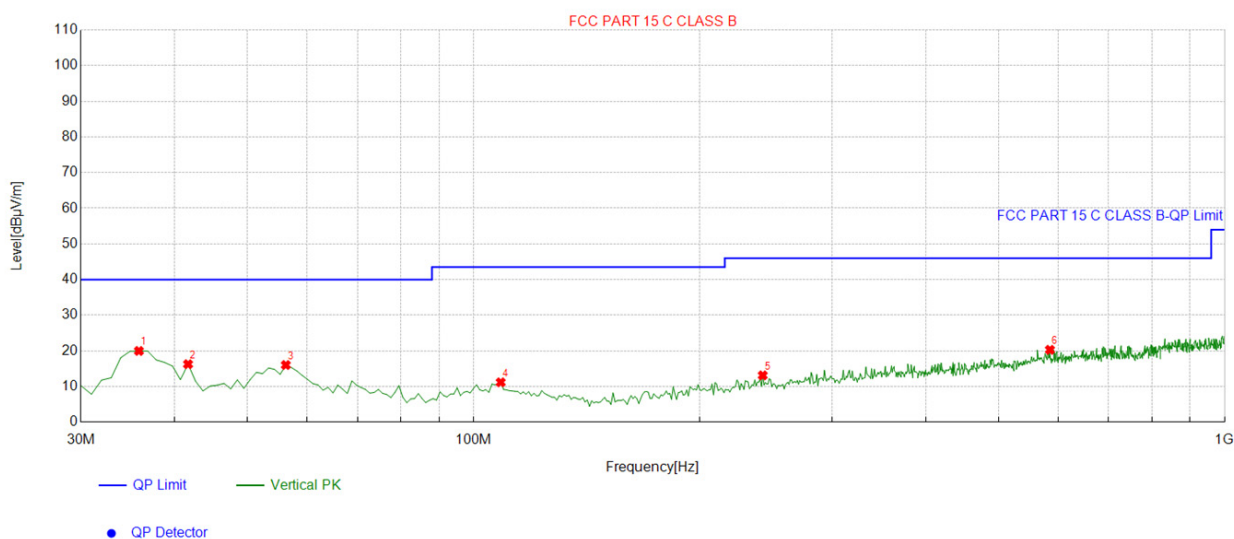


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.187187	-13.76	26.07	12.31	40.00	27.69	100	1	Horizontal
2	111.56156	-14.50	25.48	10.98	43.50	32.52	100	11	Horizontal
3	189.23923	-15.52	26.16	10.64	43.50	32.86	100	318	Horizontal
4	287.30730	-12.28	36.29	24.01	46.00	21.99	100	144	Horizontal
5	344.59459	-10.15	32.42	22.27	46.00	23.73	100	270	Horizontal
6	902.90290	-1.16	41.87	40.71	46.00	5.29	100	28	Horizontal

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



Antenna polarity: Vertical



Suspected List

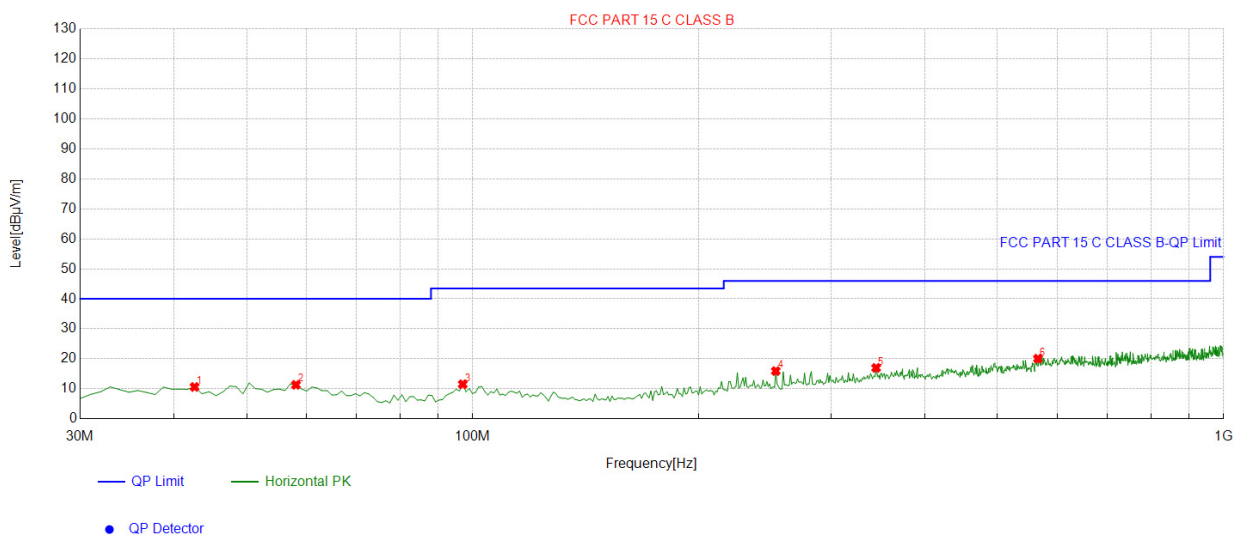
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.825826	-14.54	34.52	19.98	40.00	20.02	100	349	Vertical
2	41.651652	-13.41	29.68	16.27	40.00	23.73	100	250	Vertical
3	56.216216	-13.94	29.97	16.03	40.00	23.97	100	113	Vertical
4	108.64864	-14.02	25.20	11.18	43.50	32.32	100	227	Vertical
5	242.64264	-13.42	26.55	13.13	46.00	32.87	100	359	Vertical
6	585.39539	-5.49	25.79	20.30	46.00	25.70	100	324	Vertical

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



ANT.2:

Antenna polarity: Horizontal

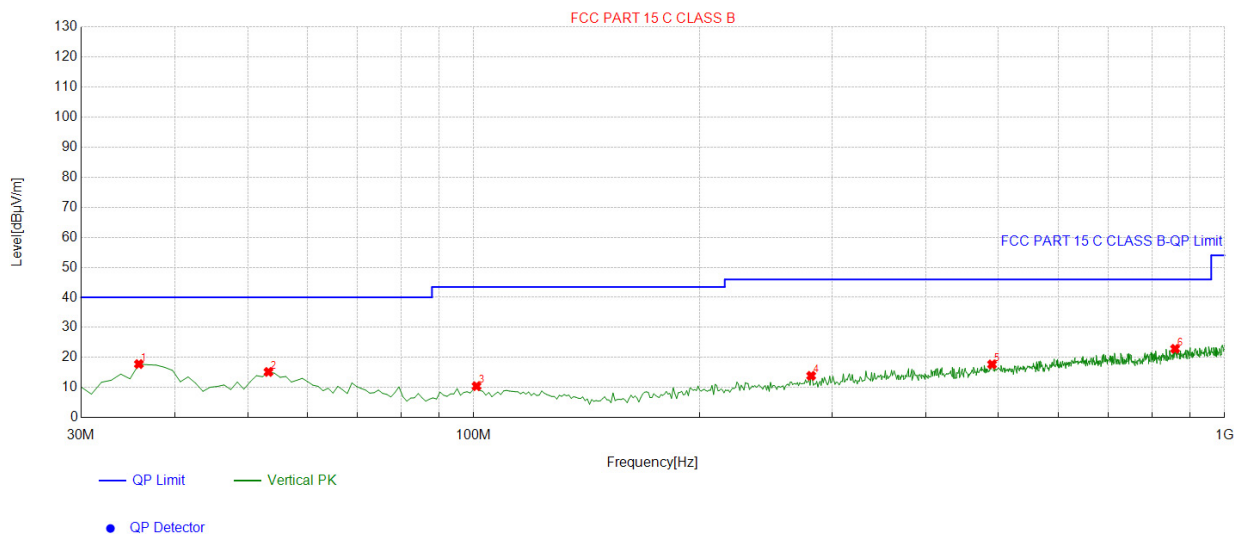


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.623	-13.31	23.96	10.65	40.00	29.35	100	58	Horizontal
2	58.158	-14.00	25.35	11.35	40.00	28.65	100	11	Horizontal
3	96.997	-14.95	26.51	11.56	43.50	31.94	100	360	Horizontal
4	253.323	-13.57	29.52	15.95	46.00	30.05	100	196	Horizontal
5	344.595	-10.15	27.15	17.00	46.00	29.00	100	270	Horizontal
6	565.976	-6.15	26.22	20.07	46.00	25.93	100	5	Horizontal

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



Antenna polarity: Vertical



Suspected List

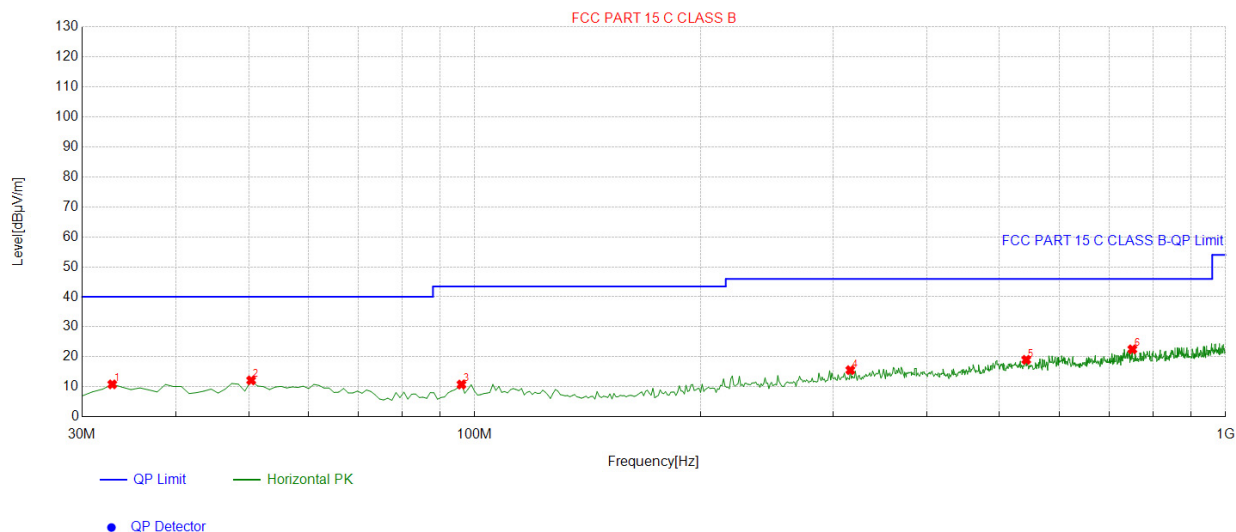
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.826	-14.54	32.37	17.83	40.00	22.17	100	349	Vertical
2	53.303	-13.66	28.87	15.21	40.00	24.79	100	190	Vertical
3	100.881	-14.60	25.08	10.48	43.50	33.02	100	332	Vertical
4	281.481	-12.59	26.52	13.93	46.00	32.07	100	3	Vertical
5	490.240	-7.89	25.61	17.72	46.00	28.28	100	12	Vertical
6	859.209	-1.84	24.75	22.91	46.00	23.09	100	139	Vertical

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



ANT.1+ANT.2:

Antenna polarity: Horizontal

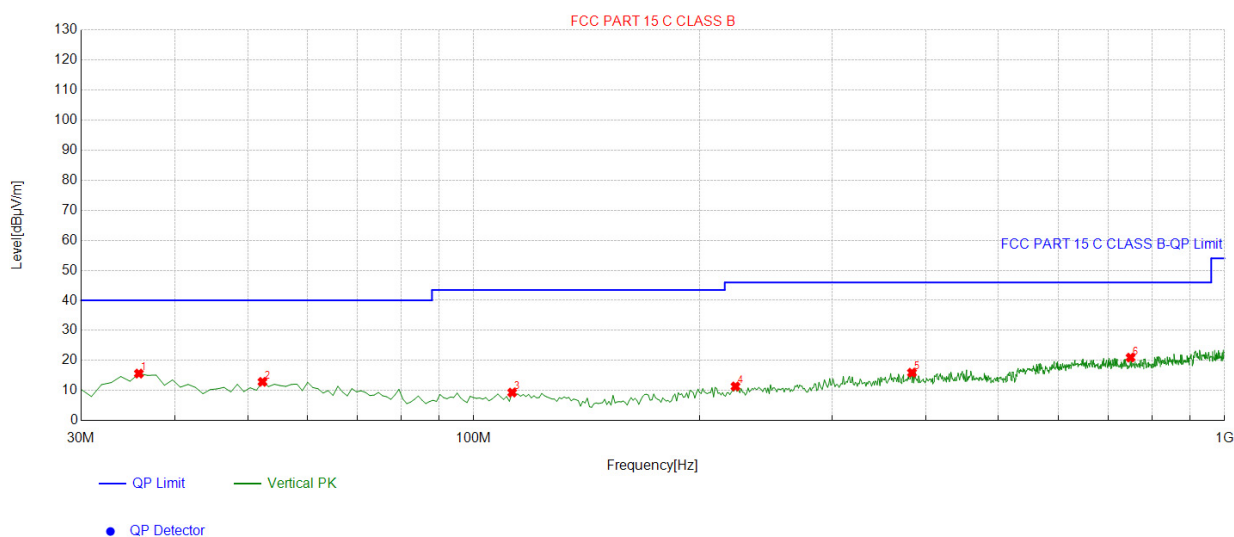


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.913	-15.12	25.97	10.85	40.00	29.15	100	293	Horizontal
2	50.390	-13.15	25.33	12.18	40.00	27.82	100	92	Horizontal
3	96.026	-15.55	26.34	10.79	43.50	32.71	100	110	Horizontal
4	316.436	-11.36	26.95	15.59	46.00	30.41	100	199	Horizontal
5	542.673	-7.23	26.25	19.02	46.00	26.98	100	14	Horizontal
6	751.431	-4.04	26.56	22.52	46.00	23.48	100	338	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	35.826	-14.54	30.21	15.67	40.00	24.33	100	349	Vertical
2	52.332	-13.35	26.26	12.91	40.00	27.09	100	40	Vertical
3	112.533	-14.72	24.07	9.35	43.50	34.15	100	309	Vertical
4	223.223	-14.15	25.54	11.39	46.00	34.61	100	332	Vertical
5	383.433	-9.11	25.07	15.96	46.00	30.04	100	6	Vertical
6	749.489	-3.73	24.72	20.99	46.00	25.01	100	232	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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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.



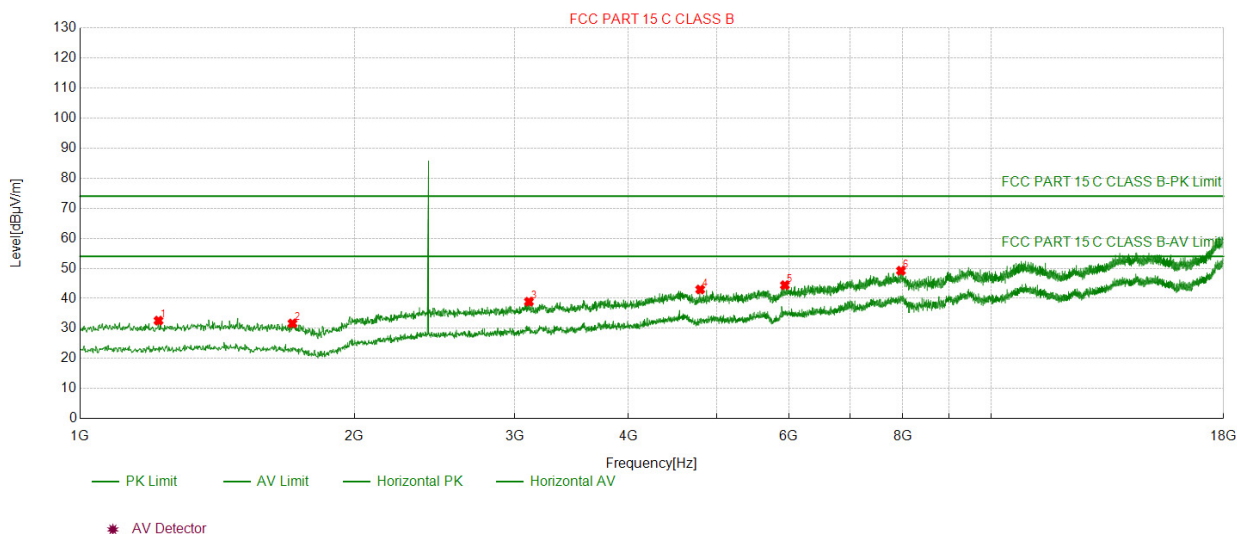
Above 1GHz Test Results

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

For 1GHz to 18GHz

ANT.1:

Antenna polarity: Horizontal

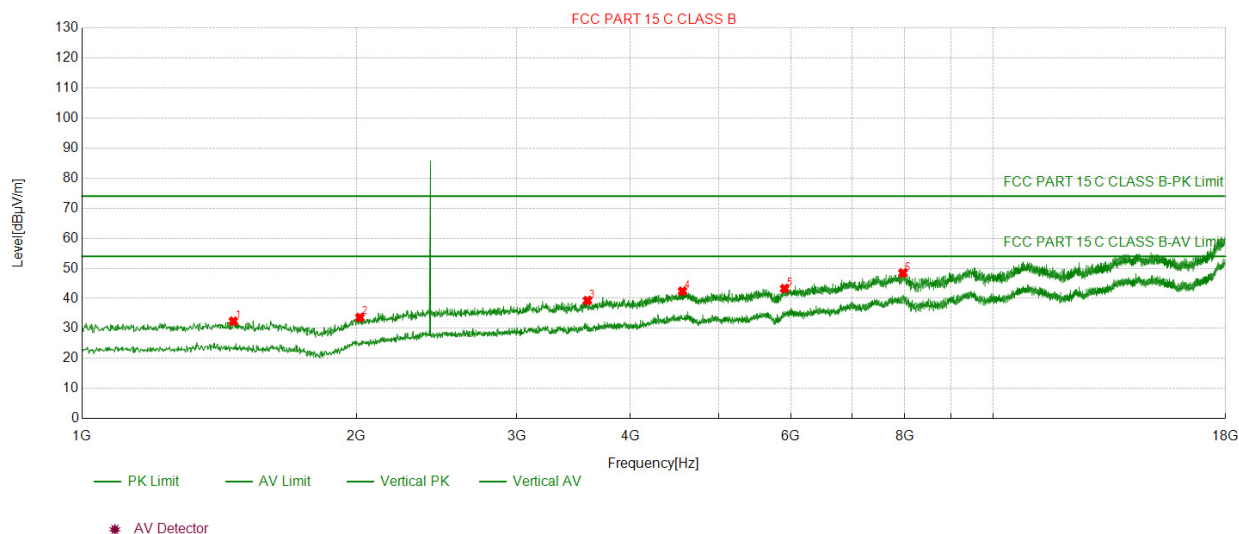


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1219.321	53.74	32.61	-21.13	74.00	41.39	150	290	Horizontal
2	1710.671	51.67	31.68	-19.99	74.00	42.32	150	330	Horizontal
3	3109.911	53.74	38.91	-14.83	74.00	35.09	150	310	Horizontal
4	4794.779	52.72	42.97	-9.75	74.00	31.03	150	240	Horizontal
5	5938.993	52.44	44.40	-8.04	74.00	29.60	150	70	Horizontal
6	7963.896	51.42	49.21	-2.21	74.00	24.79	150	150	Horizontal

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



Antenna polarity: Vertical



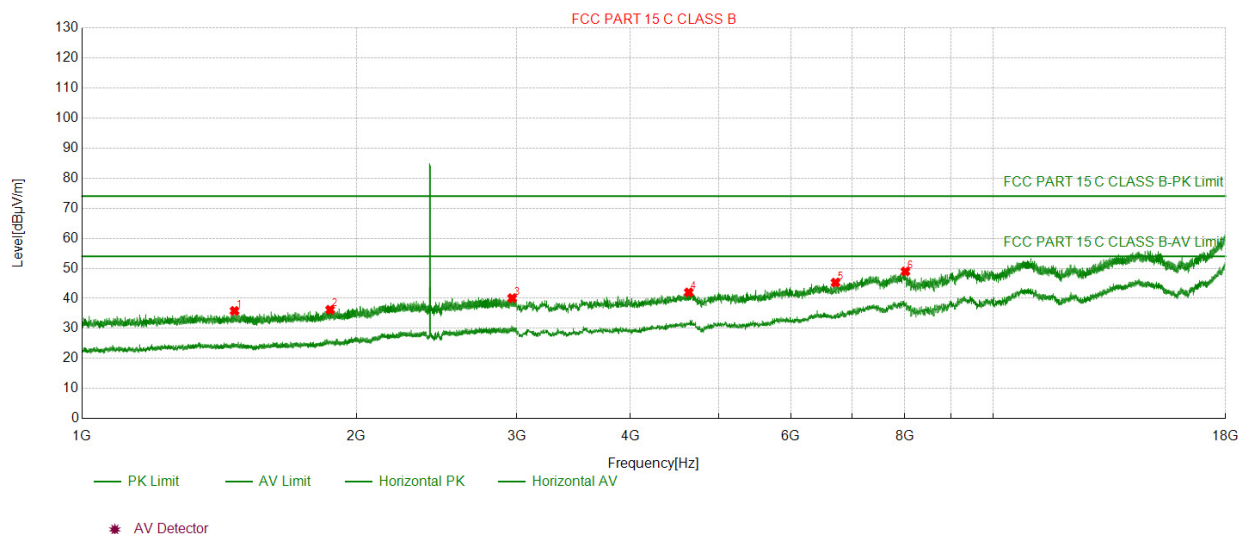
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1465.846	52.76	32.41	-20.35	74.00	41.59	150	110	Vertical
2	2018.401	51.91	33.66	-18.25	74.00	40.34	150	100	Vertical
3	3587.658	52.75	39.27	-13.48	74.00	34.73	150	240	Vertical
4	4561.856	51.96	42.41	-9.55	74.00	31.59	150	160	Vertical
5	5904.990	51.36	43.26	-8.10	74.00	30.74	150	120	Vertical
6	7963.896	50.65	48.44	-2.21	74.00	25.56	150	60	Vertical

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



ANT.2:

Antenna polarity: Horizontal



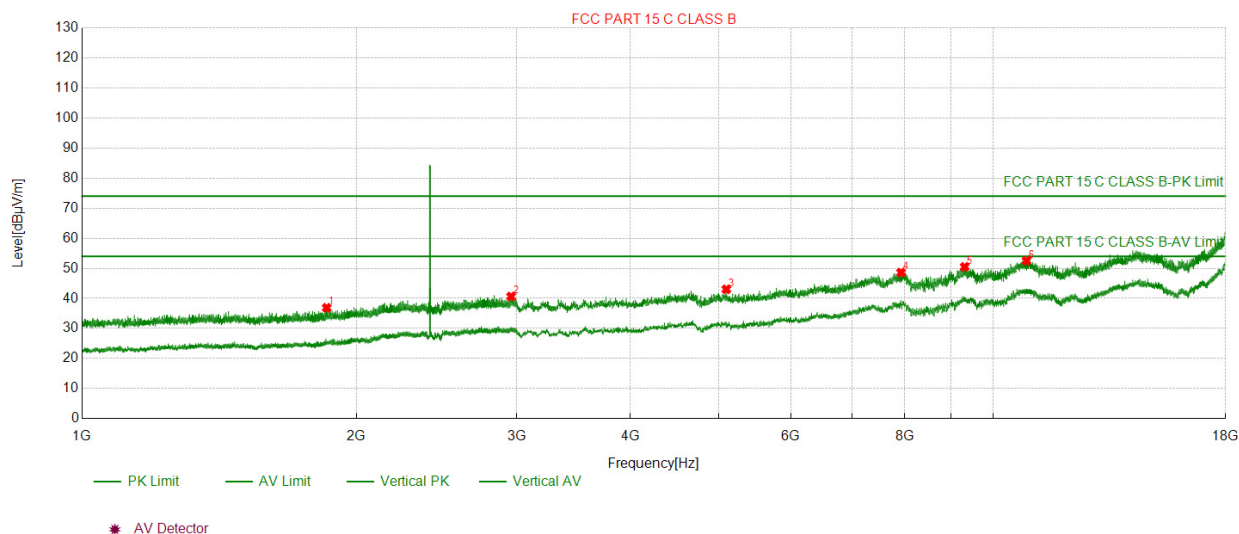
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1470.247	54.36	35.85	-18.51	74.00	38.15	150	250	Horizontal
2	1871.887	53.46	36.23	-17.23	74.00	37.77	150	280	Horizontal
3	2965.797	52.86	40.09	-12.77	74.00	33.91	150	60	Horizontal
4	4635.164	51.96	42.01	-9.95	74.00	31.99	150	150	Horizontal
5	6715.872	51.28	45.26	-6.02	74.00	28.74	150	130	Horizontal
6	8013.501	50.73	48.97	-1.76	74.00	25.03	150	70	Horizontal

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



Antenna polarity: Vertical



Suspected Data List

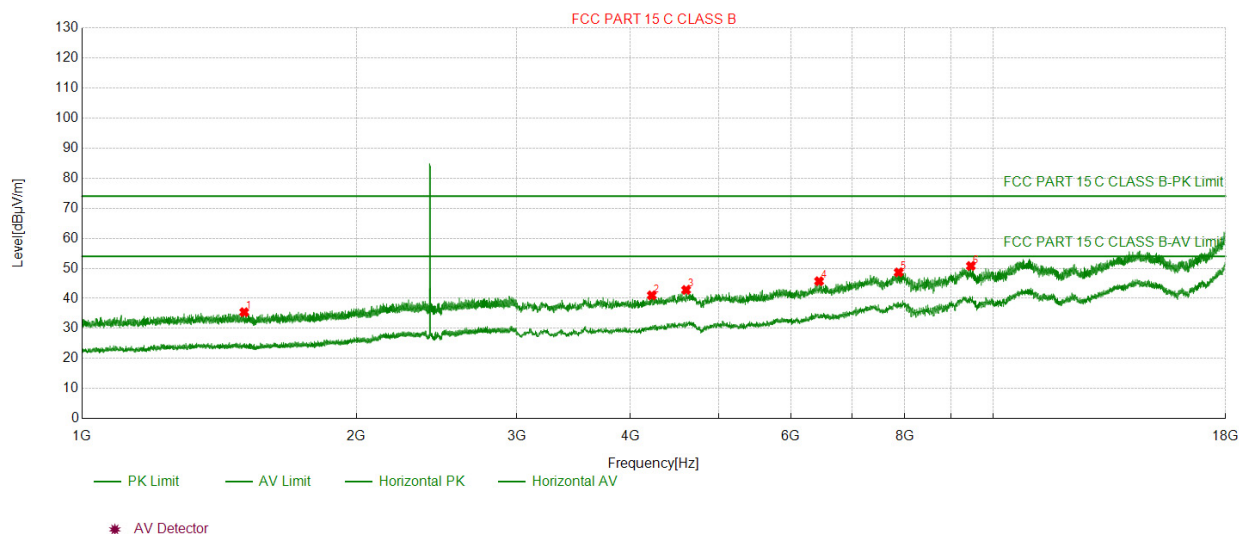
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1856.086	54.25	36.88	-17.37	74.00	37.12	150	310	Vertical
2	2957.596	53.43	40.64	-12.79	74.00	33.36	150	270	Vertical
3	5095.710	52.00	43.03	-8.97	74.00	30.97	150	230	Vertical
4	7926.493	51.25	48.60	-2.65	74.00	25.40	150	190	Vertical
5	9309.631	51.21	50.49	-0.72	74.00	23.51	150	10	Vertical
6	10881.788	49.83	52.51	2.68	74.00	21.49	150	330	Vertical

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



ANT.1+ANT.2:

Antenna polarity: Horizontal

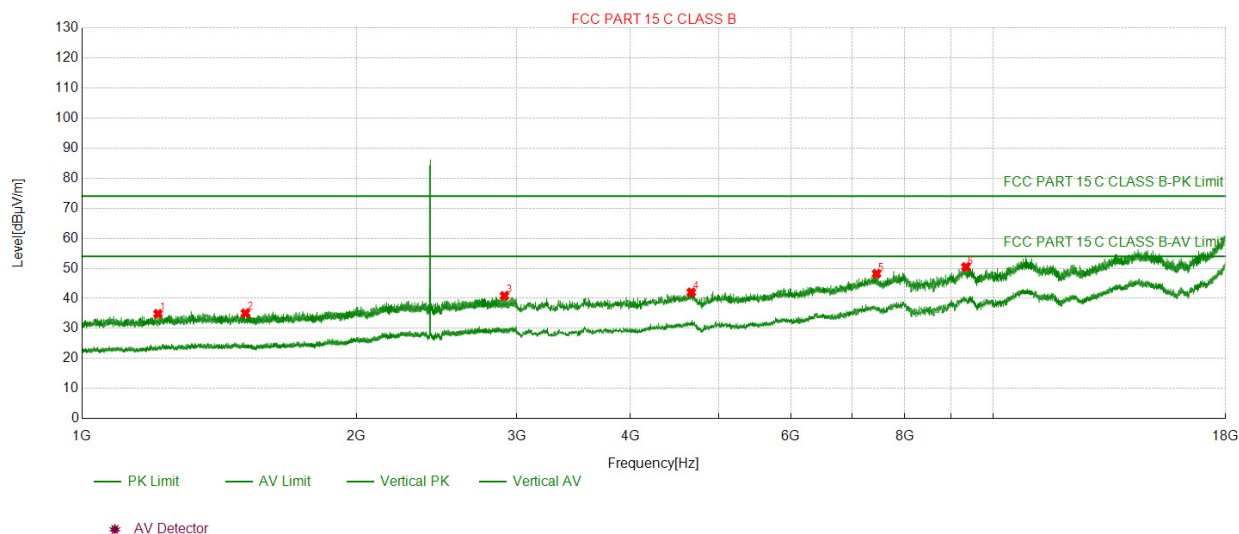


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1506.651	53.96	35.42	-18.54	74.00	38.58	150	110	Horizontal
2	4221.122	51.98	41.02	-10.96	74.00	32.98	150	50	Horizontal
3	4603.660	52.95	42.81	-10.14	74.00	31.19	150	260	Horizontal
4	6442.844	52.26	45.72	-6.54	74.00	28.28	150	0	Horizontal
5	7878.488	51.65	48.66	-2.99	74.00	25.34	150	0	Horizontal
6	9455.146	51.08	50.79	-0.29	74.00	23.21	150	100	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	1211.821	54.08	34.89	-19.19	74.00	39.11	150	40	Vertical
2	1511.051	53.63	35.09	-18.54	74.00	38.91	150	290	Vertical
3	2908.391	53.75	40.85	-12.90	74.00	33.15	150	30	Vertical
4	4663.666	51.78	42.02	-9.76	74.00	31.98	150	160	Vertical
5	7449.445	51.64	48.21	-3.43	74.00	25.79	150	10	Vertical
6	9338.134	51.24	50.46	-0.78	74.00	23.54	150	320	Vertical

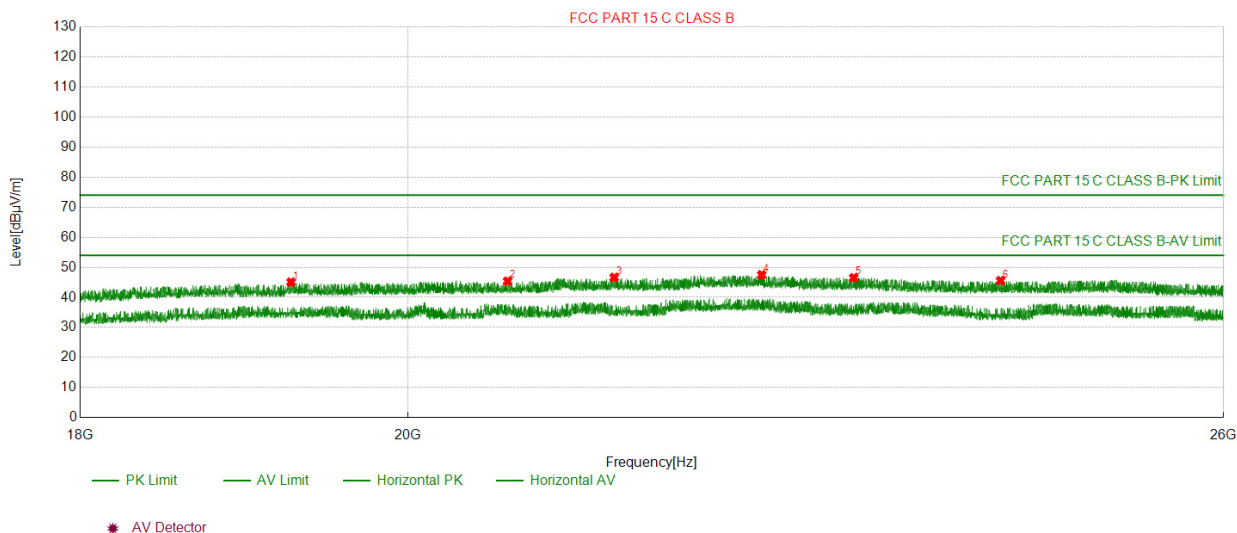
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



For 18GHz to 26GHz

ANT.1:

Antenna polarity: Horizontal

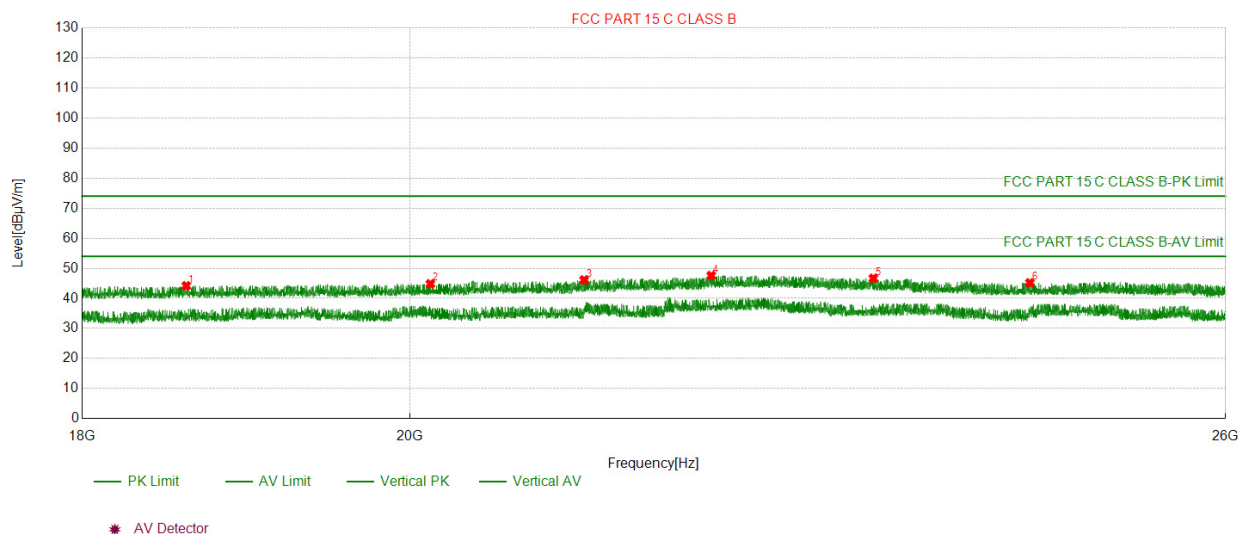


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19264.12	39.09	45.08	5.99	74.00	28.92	150	310	Horizontal
2	20653.06	39.56	45.38	5.82	74.00	28.62	150	270	Horizontal
3	21373.13	41.35	46.63	5.28	74.00	27.37	150	140	Horizontal
4	22411.64	41.81	47.49	5.68	74.00	26.51	150	130	Horizontal
5	23084.50	40.94	46.52	5.58	74.00	27.48	150	50	Horizontal
6	24200.62	40.12	45.57	5.45	74.00	28.43	150	320	Horizontal

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



Antenna polarity: Vertical



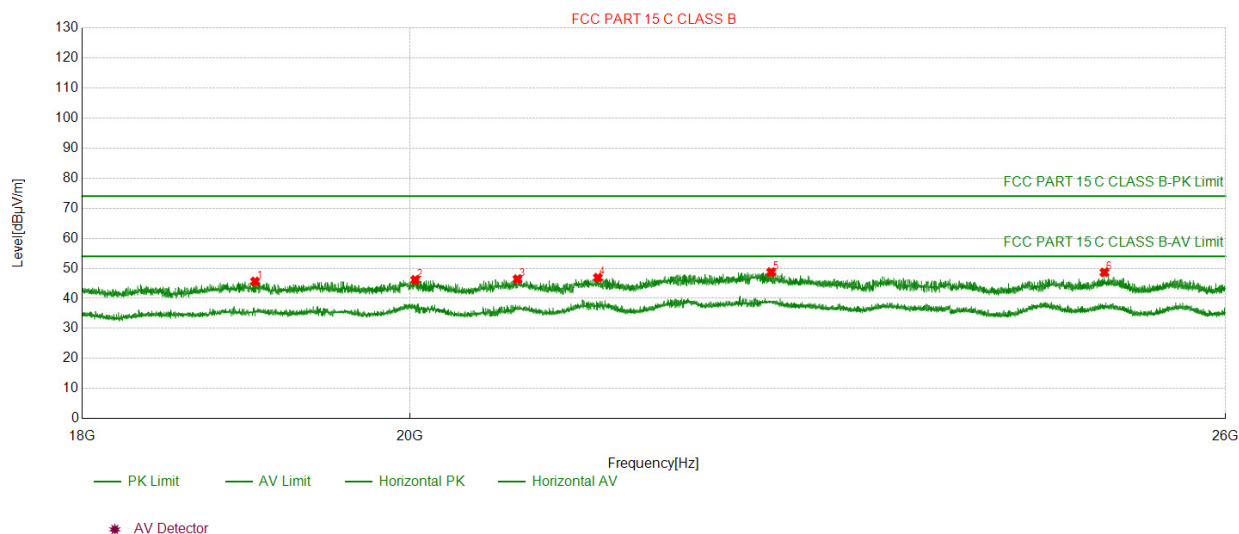
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18613.66	38.78	44.19	5.41	74.00	29.81	150	240	Vertical
2	20133.81	38.72	44.84	6.12	74.00	29.16	150	70	Vertical
3	21153.91	40.82	46.12	5.30	74.00	27.88	150	330	Vertical
4	22036.40	41.85	47.59	5.74	74.00	26.41	150	0	Vertical
5	23215.72	41.03	46.68	5.65	74.00	27.32	150	40	Vertical
6	24414.24	39.55	45.19	5.64	74.00	28.81	150	240	Vertical

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



ANT.2:

Antenna polarity: Horizontal

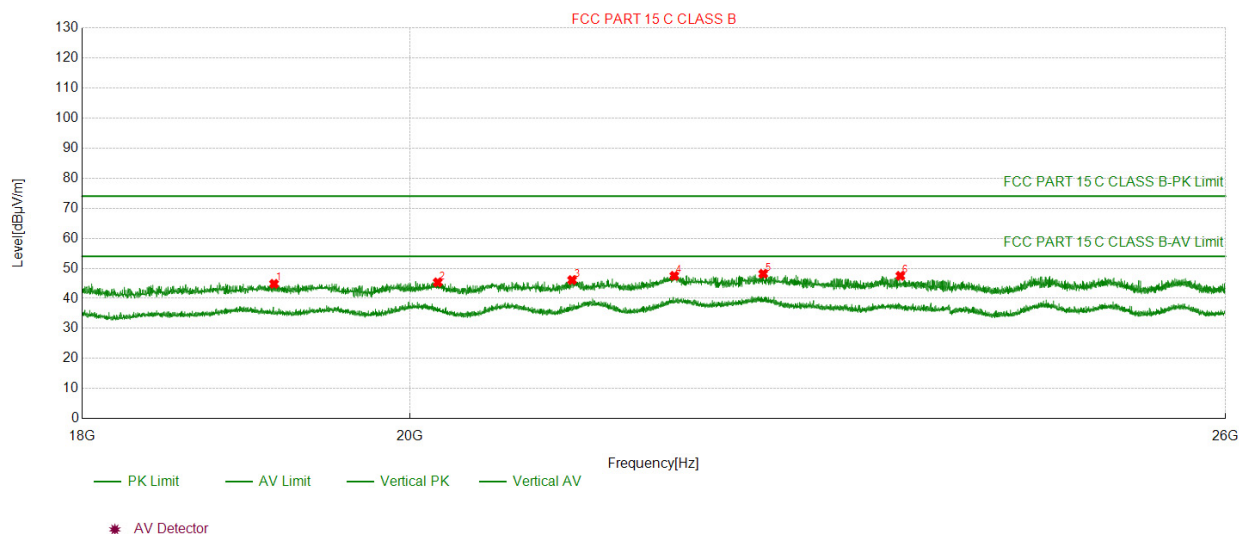


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19029.703	39.92	45.64	5.72	74.00	28.36	150	290	Horizontal
2	20035.404	39.97	46.16	6.19	74.00	27.84	150	70	Horizontal
3	20705.071	40.65	46.41	5.76	74.00	27.59	150	120	Horizontal
4	21247.525	41.62	46.89	5.27	74.00	27.11	150	290	Horizontal
5	22465.247	43.09	48.74	5.65	74.00	25.26	150	60	Horizontal
6	25006.301	42.24	48.66	6.42	74.00	25.34	150	160	Horizontal

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



Antenna polarity: Vertical



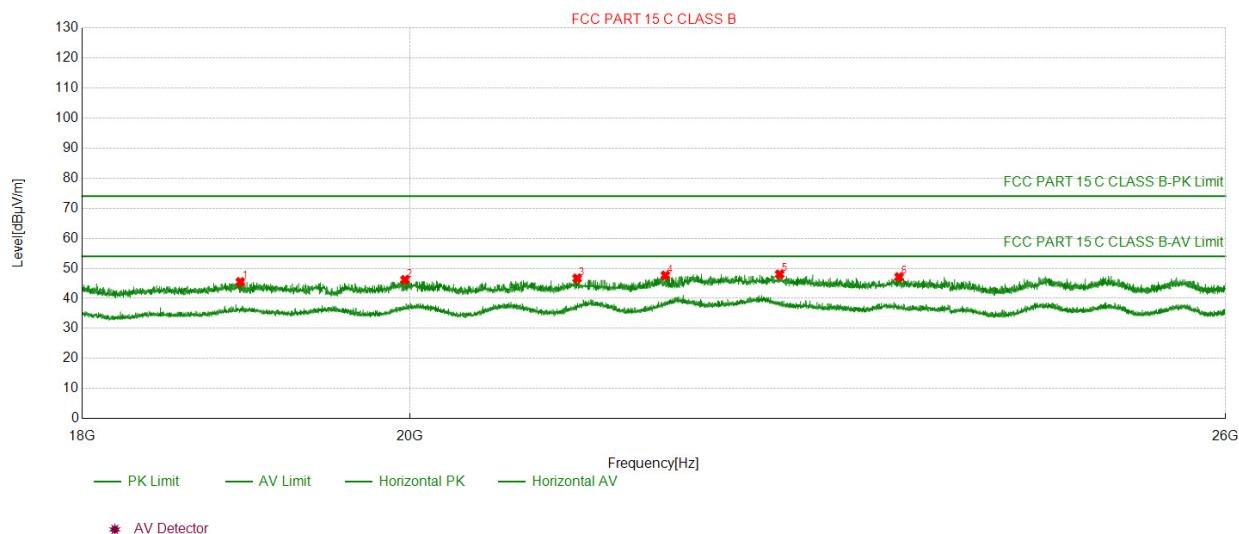
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19146.515	38.99	44.85	5.86	74.00	29.15	150	340	Vertical
2	20181.018	39.26	45.35	6.09	74.00	28.65	150	300	Vertical
3	21072.307	40.78	46.11	5.33	74.00	27.89	150	220	Vertical
4	21776.378	41.97	47.51	5.54	74.00	26.49	150	300	Vertical
5	22407.641	42.50	48.18	5.68	74.00	25.82	150	260	Vertical
6	23418.142	41.82	47.50	5.68	74.00	26.50	150	150	Vertical

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



ANT.1+ANT.2:

Antenna polarity: Horizontal

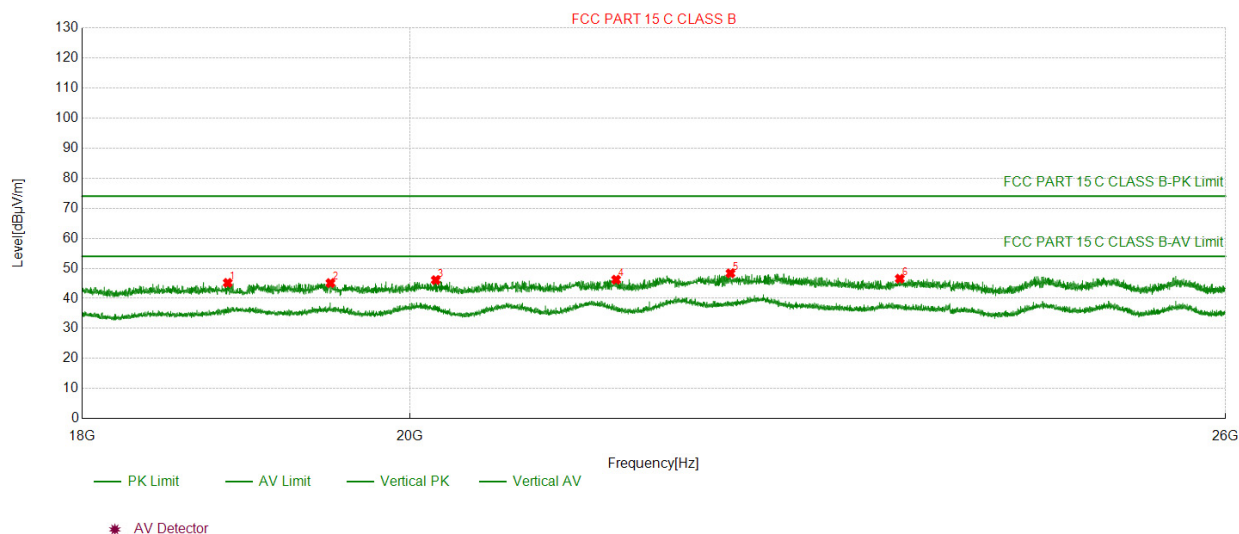


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18940.094	39.87	45.51	5.64	74.00	28.49	150	70	Horizontal
2	19969.797	40.02	46.21	6.19	74.00	27.79	150	80	Horizontal
3	21106.711	41.37	46.69	5.32	74.00	27.31	150	360	Horizontal
4	21713.971	42.16	47.65	5.49	74.00	26.35	150	120	Horizontal
5	22526.853	42.40	48.03	5.63	74.00	25.97	150	150	Horizontal
6	23408.541	41.45	47.13	5.68	74.00	26.87	150	40	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	18863.286	39.59	45.18	5.59	74.00	28.82	150	310	Vertical
2	19496.950	39.02	45.11	6.09	74.00	28.89	150	20	Vertical
3	20168.217	40.00	46.10	6.10	74.00	27.90	150	30	Vertical
4	21372.337	40.96	46.24	5.28	74.00	27.76	150	220	Vertical
5	22173.217	42.61	48.35	5.74	74.00	25.65	150	140	Vertical
6	23414.141	40.88	46.56	5.68	74.00	27.44	150	170	Vertical

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