



# FCC Test Report

**Test Report**  
HILAK TESTING  
**On Behalf of**  
**Shenzhen Haimeilan Technology Co., LTD.**  
**For**

**Model No.: S25 Ultra, F5 Pro, M13, F50 Pro, M5S Pro, F5, Note12 Pro, X40 Pro, X40 Edge, Mate 14, Mate 16, Mate 17, Mate 18, Mate 19, Mate 20, Mate 21, Mate 22, Mate 23, Mate 24, Mate 25, Mate 26, Mate 27, Mate 28, D14, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, R12 pro, P5 pro, E50 Ultra, I16 pro max, P6 pro, Sp20 Pro, OP12 pro, T3 Pro, P8 Pro**

FCC ID: 2BDI3-K

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**Date of Test:** Feb. 08, 2025 ~ Apr. 10, 2025

**Date of Report:** Apr. 10, 2025

Report Number: HK2502080452-5E

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**\*\* Modified History \*\***

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Apr. 10, 2025	Jason Zhou

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## 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 C63.10:2013:** 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

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## 1.3. Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization :

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

## 1.4. Statement of the Measurement Uncertainty

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

Test	Measurement Uncertainty	Notes
Transmitter power conducted	$\pm 0.37\text{dB}$	(1)
Transmitter power Radiated	$\pm 3.35\text{dB}$	(1)
Conducted spurious emission 9KHz-40 GHz	$\pm 2.20\text{dB}$	(1)
Occupied Bandwidth	$\pm 3.68\%$	(1)
Radiated Emission 30~1000MHz	$\pm 3.90\text{dB}$	(1)
Radiated Emission Above 1GHz	$\pm 4.28\text{dB}$	(1)
Conducted Disturbance 0.15~30MHz	$\pm 2.71\text{dB}$	(1)

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## HUAK TESTING

## 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:	Smart Phone
Model Name	S25 Ultra
Series Model(s):	F5 Pro, M13, F50 Pro, M5S Pro, F5, Note12 Pro, X40 Pro, X40 Edge, Mate 14, Mate 16, Mate 17, Mate 18, Mate 19, Mate 20, Mate 21, Mate 22, Mate 23, Mate 24, Mate 25, Mate 26, Mate 27, Mate28, D14, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, R12 pro, P5 pro, E50 Ultra, I16 pro max, P6 pro, Sp20 Pro, OP12 pro, T3 Pro, P8 Pro
Model Difference:	All model's the function, software and electric circuit are the same, only with appearance, product color and model named different. Test sample model: S25 Ultra.
Trade Mark:	N/A
Power supply:	DC5V from Type-C or DC3.85V from battery
Version:	Supported EDR
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79CH
Channel separation:	1MHz
Antenna type:	FPC Antenna
Antenna gain:	-0.75dBi
Hardware Version:	V2.0
Software Version:	V2.0
Note:	<ol style="list-style-type: none"> <li>For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.</li> <li>Antenna gain Refer to the antenna specifications.</li> <li>The cable loss data is obtained from the supplier.</li> <li>The test results in the report only apply to the tested sample.</li> </ol>

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**HUAK TESTING****2.4. Equipments Used During the Test**

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	L.I.S.N.	R&S	ENV216	HKE-002	2024/02/20	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2024/02/20	1 Year
3	EMI Test Receiver	R&S	ESR	HKE-005	2024/02/20	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2024/02/20	1 Year
5	Spectrum analyzer	R&S	FSV3044	HKE-126	2024/02/20	1 Year
6	Preamplifier	EMCI	EMC051845 S	HKE-006	2024/02/20	1 Year
7	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	2024/02/20	1 Year
8	Preamplifier	A.H. Systems	SAS-574	HKE-182	2024/02/20	1 Year
9	6d Attenuator	Pasternack	6db	HKE-184	2024/02/20	1 Year
10	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	2024/02/20	1 Year
11	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2024/02/21	2 Year
12	Loop Antenna	COM-POWER	AL-130R	HKE-014	2024/02/21	2 Year
13	Horn Antenna	Schwarzbeck	9120D	HKE-013	2024/02/21	2 Year
14	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
15	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
16	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2024/02/20	1 Year
17	High pass filter unit	Tonscend	JS0806-F	HKE-055	2024/02/20	1 Year
18	Wireless Communication Test Set	R&S	CMU200	HKE-026	2024/02/20	1 Year
19	Wireless Communication Test Set	R&S	CMW500	HKE-027	2024/02/20	1 Year
20	High-low temperature chamber	Guangke	HT-80L	HKE-118	2024/06/10	1 Year
21	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2024/06/10	1 Year
22	RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	/	/
23	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2024/02/20	1 Year
24	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	L.I.S.N.	R&S	ENV216	HKE-002	2025/02/19	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2025/02/19	1 Year
3	EMI Test Receiver	R&S	ESR	HKE-005	2025/02/19	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2025/02/19	1 Year
5	Spectrum analyzer	R&S	FSV3044	HKE-126	2025/02/19	1 Year
6	Preamplifier	EMCI	EMC051845 S	HKE-006	2025/02/19	1 Year
7	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	2025/02/19	1 Year
8	Preamplifier	A.H. Systems	SAS-574	HKE-182	2025/02/19	1 Year
9	6d Attenuator	Pasternack	6db	HKE-184	2025/02/19	1 Year
10	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	2025/02/19	1 Year
11	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2024/02/21	2 Year
12	Loop Antenna	COM-POWER	AL-130R	HKE-014	2024/02/21	2 Year
13	Horn Antenna	Schwarzbeck	9120D	HKE-013	2024/02/21	2 Year
14	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
15	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
16	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2025/02/19	1 Year
17	High pass filter unit	Tonscend	JS0806-F	HKE-055	2025/02/19	1 Year
18	Wireless Communication Test Set	R&S	CMU200	HKE-026	2025/02/19	1 Year
19	Wireless Communication Test Set	R&S	CMW500	HKE-027	2025/02/19	1 Year
20	High-low temperature chamber	Guangke	HT-80L	HKE-118	2024/06/10	1 Year
21	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2024/06/10	1 Year
22	RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	/	/
23	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2025/02/19	1 Year
24	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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## 2.5. Related Submittal(S) / Grant(S)

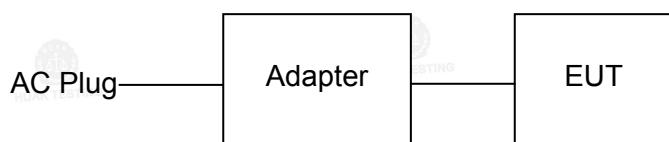
This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

## 2.6. Modifications

No modifications were implemented to meet testing criteria.

## 2.7. Description of Test Setup

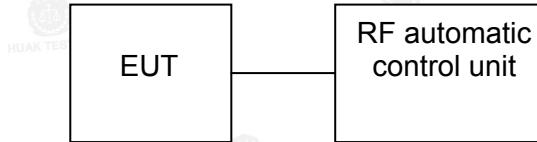
## Operation of EUT during AC Conducted and Radiation below 1GHz testing:



## Operation of EUT during Radiation Above 1GHz 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.

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## 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	Remark
1	Smart Phone	N/A	S25 Ultra	N/A	EUT
2	USB Cable	N/A	N/A	Length:0.82m	Accessory
3	Adapter	N/A	APD5-2	Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5V, 2A	Accessory

**Note:**

**Notes:**

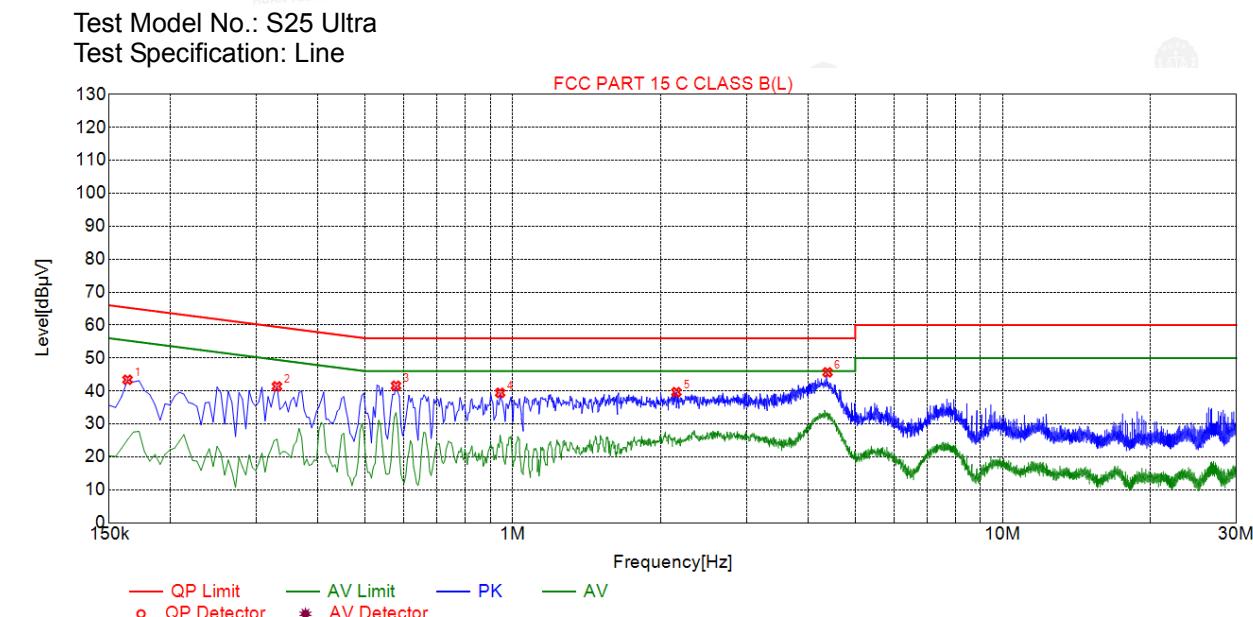
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 20db Bandwidth, Frequency Separation, Number of Hopping Frequency, Time of Occupancy (Dwell Time), Out-of-Band 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.





## Test Results

Remark: All modes are tested; only the worst result of was reported as below:



## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.1635	43.40	19.78	65.28	21.88	24.62	PK	L
2	0.3300	41.39	19.84	59.45	18.06	22.55	PK	L
3	0.5775	41.58	19.86	56.00	14.42	22.72	PK	L
4	0.9420	39.43	19.87	56.00	16.57	20.56	PK	L
5	2.1570	39.65	19.98	56.00	16.35	20.67	PK	L
6	4.3890	45.65	20.09	56.00	10.35	25.56	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + ISN insertion loss

Level=Test receiver reading + correction factor









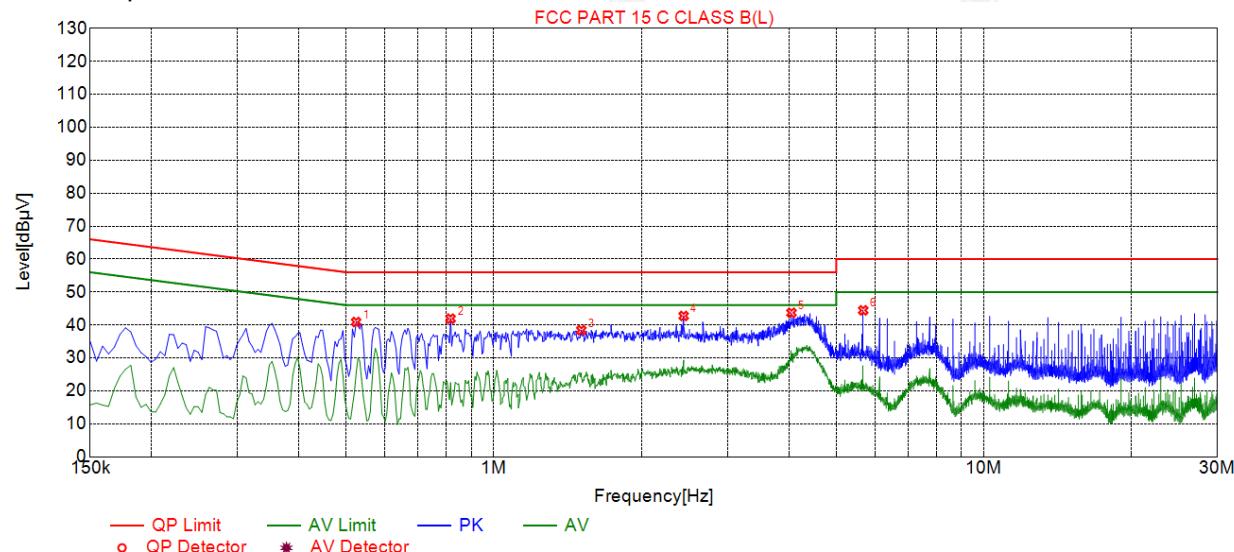








Series Model No.: I16 pro max  
Test Specification: Line



## Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.5235	40.90	19.85	56.00	15.10	21.05	PK	L
2	0.8160	41.92	19.87	56.00	14.08	22.05	PK	L
3	1.5090	38.40	19.92	56.00	17.60	18.48	PK	L
4	2.4405	42.74	20.01	56.00	13.26	22.73	PK	L
5	4.0515	43.70	20.09	56.00	12.30	23.61	PK	L
6	5.6760	44.45	20.10	60.00	15.55	24.35	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + ISN insertion loss

Level=Test receiver reading + correction factor

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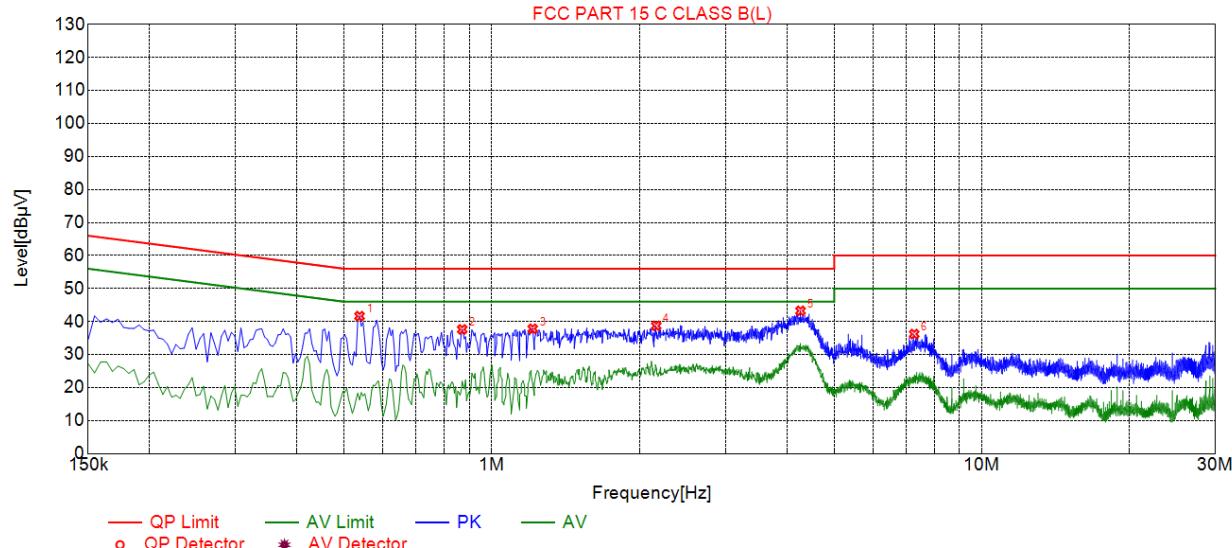
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## HUAK TESTING

Series Model No.: P6 pro  
Test Specification: Line



## Suspected List

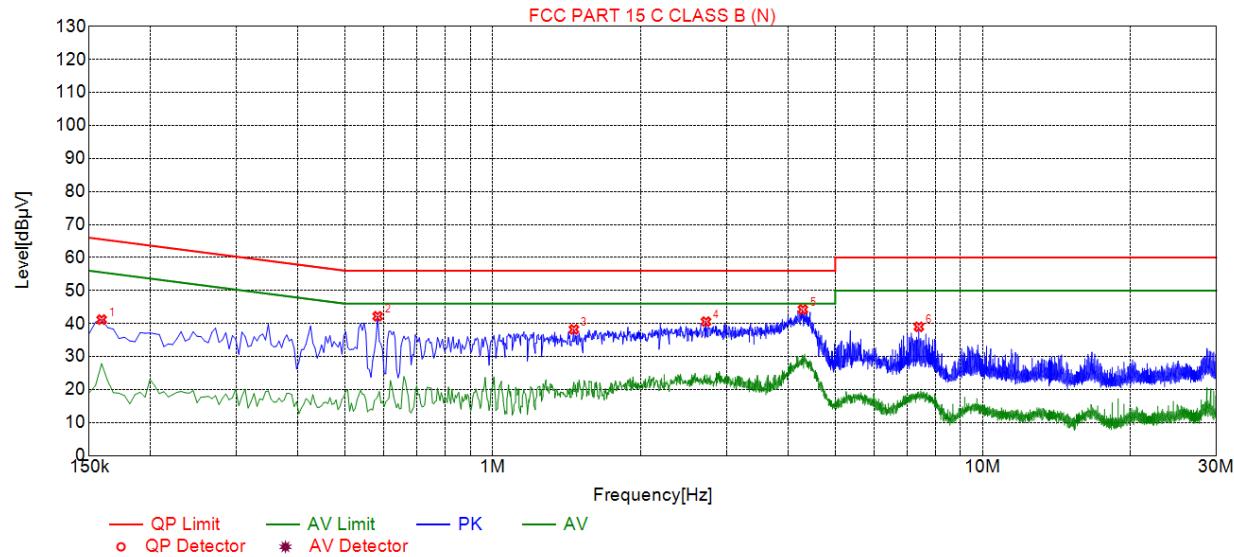
NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.5370	41.65	19.85	56.00	14.35	21.80	PK	L
2	0.8700	37.62	19.87	56.00	18.38	17.75	PK	L
3	1.2120	37.82	19.90	56.00	18.18	17.92	PK	L
4	2.1660	38.72	19.98	56.00	17.28	18.74	PK	L
5	4.2675	43.25	20.09	56.00	12.75	23.16	PK	L
6	7.2825	36.22	20.06	60.00	23.78	16.16	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

Level=Test receiver reading + correction factor

## Test Specification: Neutral



## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.1590	41.20	19.70	65.52	24.32	21.50	PK	N
2	0.5820	42.21	19.74	56.00	13.79	22.47	PK	N
3	1.4640	38.21	19.79	56.00	17.79	18.42	PK	N
4	2.7240	40.58	19.91	56.00	15.42	20.67	PK	N
5	4.2945	44.25	19.98	56.00	11.75	24.27	PK	N
6	7.4085	39.00	19.95	60.00	21.00	19.05	PK	N

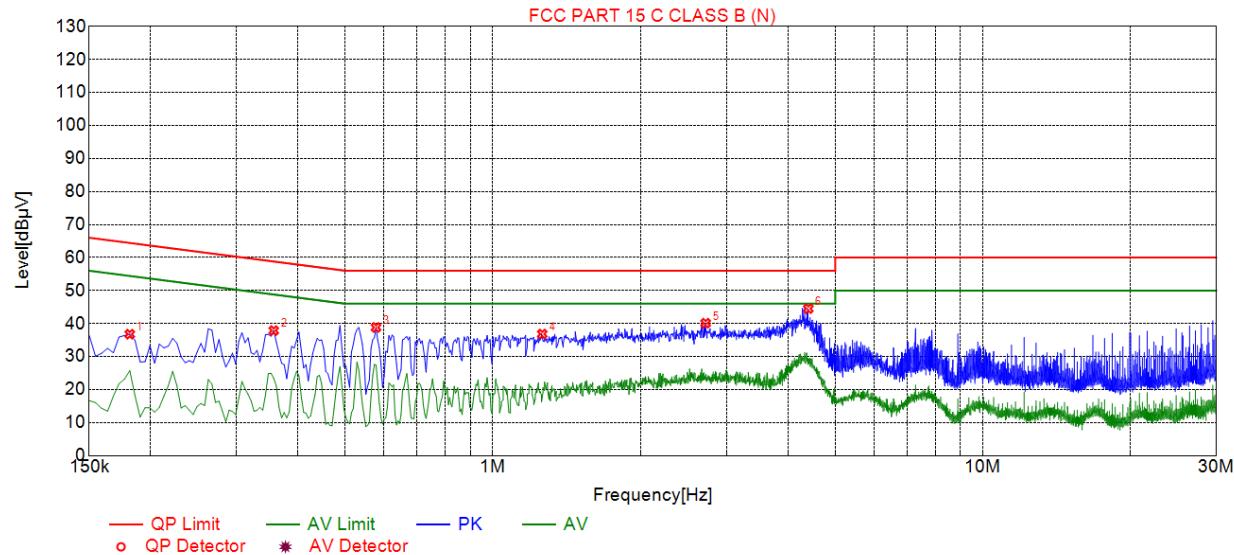
Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

Level=Test receiver reading + correction factor



## Test Specification: Neutral



## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.1815	36.78	19.75	64.42	27.64	17.03	PK	N
2	0.3570	37.88	19.73	58.80	20.92	18.15	PK	N
3	0.5775	38.82	19.74	56.00	17.18	19.08	PK	N
4	1.2615	36.84	19.77	56.00	19.16	17.07	PK	N
5	2.7195	40.11	19.91	56.00	15.89	20.20	PK	N
6	4.4070	44.51	19.98	56.00	11.49	24.53	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

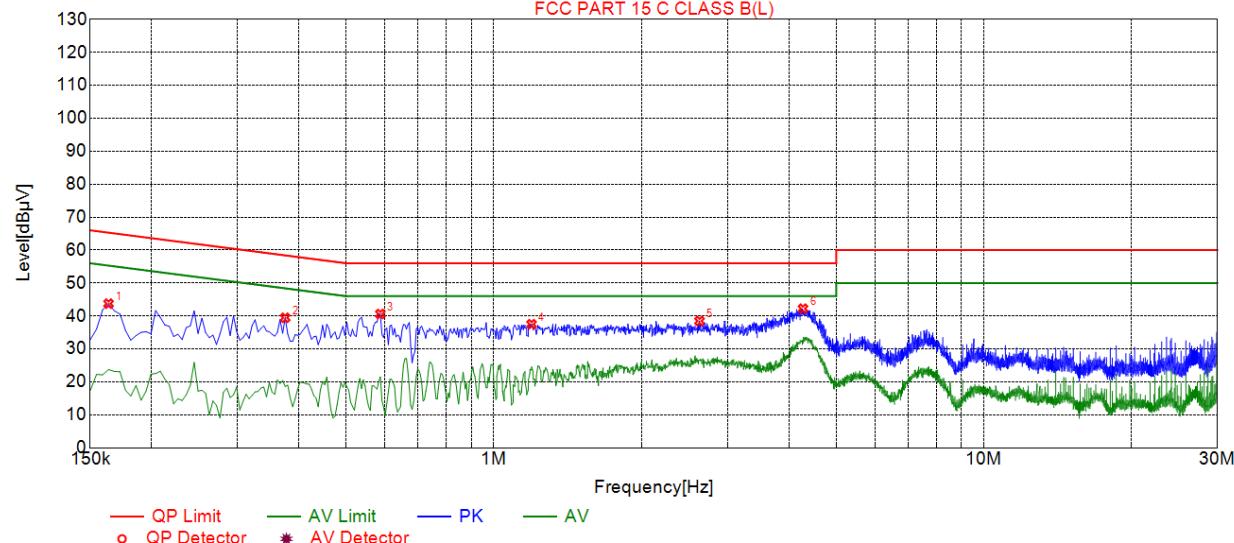
Level=Test receiver reading + correction factor





Series Model No.: T3 Pro  
Test Specification: Line

FCC PART 15 C CLASS B(L)



## Suspected List

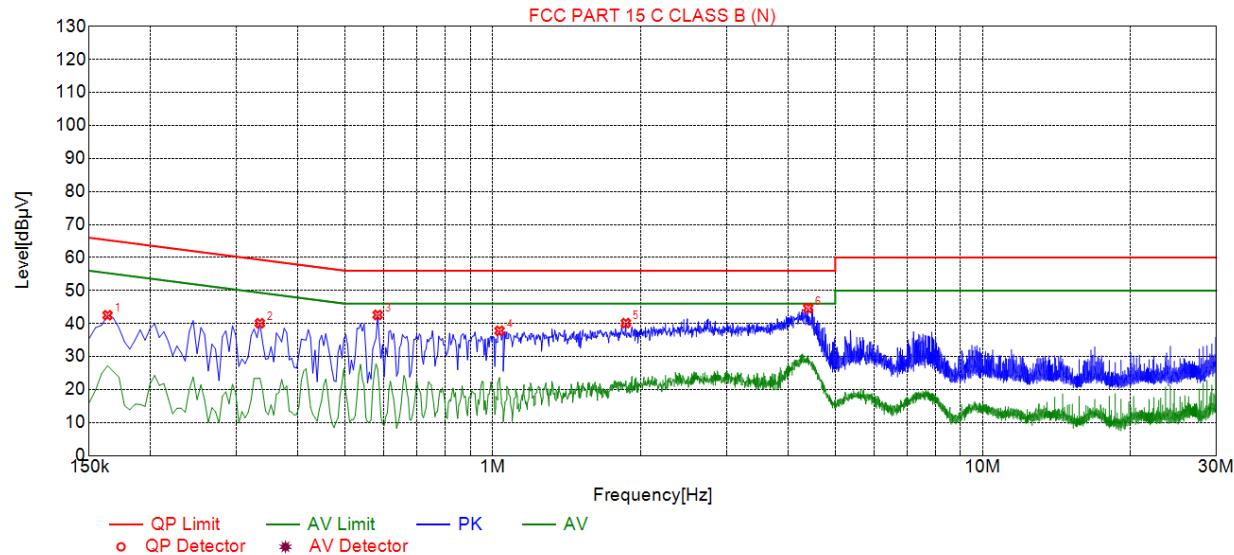
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1635	43.75	19.78	65.28	21.53	23.97	PK	L
2	0.3750	39.46	19.85	58.39	18.93	19.61	PK	L
3	0.5865	40.62	19.86	56.00	15.38	20.76	PK	L
4	1.1940	37.50	19.90	56.00	18.50	17.60	PK	L
5	2.6295	38.47	20.04	56.00	17.53	18.43	PK	L
6	4.2765	42.22	20.09	56.00	13.78	22.13	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + ISN insertion loss

Level=Test receiver reading + correction factor

## Test Specification: Neutral



## Suspected List

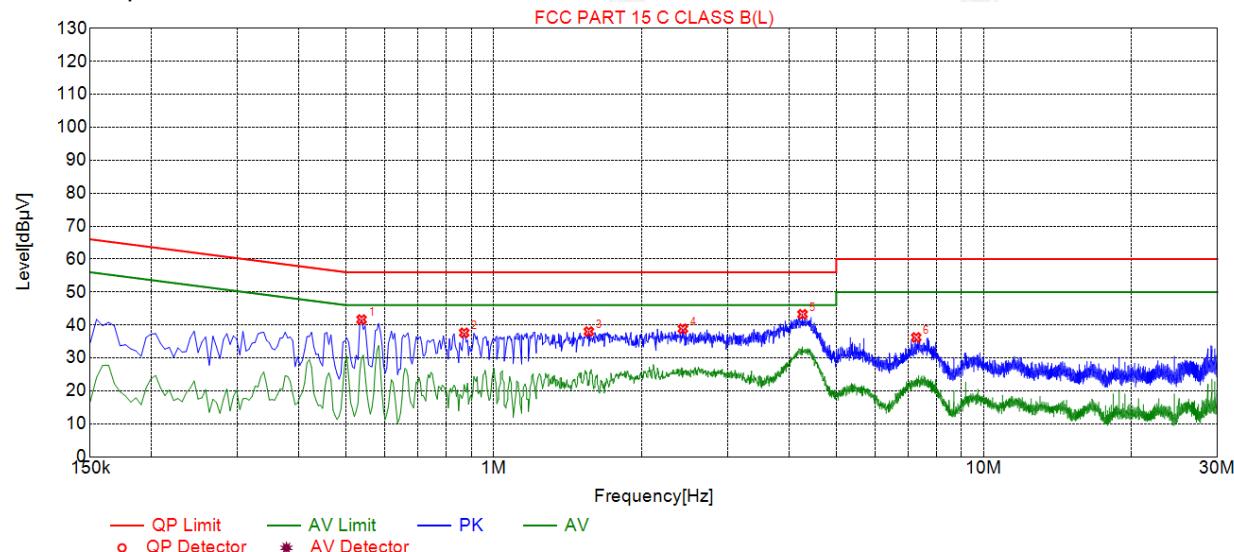
NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.1635	42.52	19.68	65.28	22.76	22.84	PK	N
2	0.3345	40.09	19.73	59.34	19.25	20.36	PK	N
3	0.5820	42.62	19.74	56.00	13.38	22.88	PK	N
4	1.0320	37.81	19.75	56.00	18.19	18.06	PK	N
5	1.8690	40.14	19.83	56.00	15.86	20.31	PK	N
6	4.4025	44.68	19.98	56.00	11.32	24.70	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: P8 Pro  
Test Specification: Line



## Suspected List

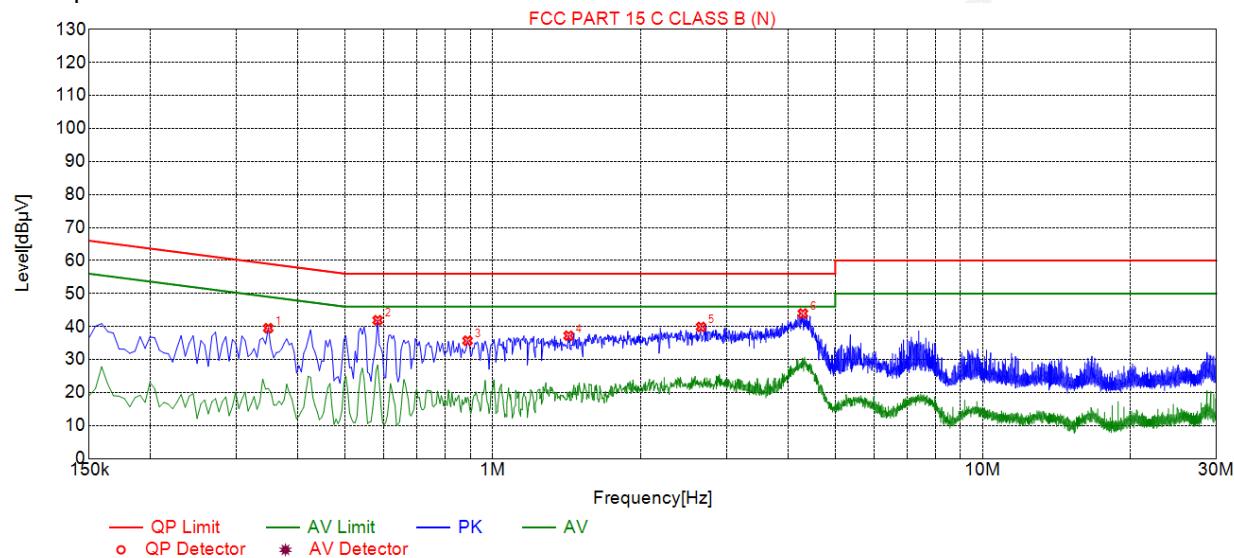
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.5370	41.65	19.85	56.00	14.35	21.80	PK	L
2	0.8700	37.62	19.87	56.00	18.38	17.75	PK	L
3	1.5630	38.01	19.93	56.00	17.99	18.08	PK	L
4	2.4315	38.85	20.01	56.00	17.15	18.84	PK	L
5	4.2675	43.25	20.09	56.00	12.75	23.16	PK	L
6	7.2825	36.22	20.06	60.00	23.78	16.16	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

Level=Test receiver reading + correction factor

## Test Specification: Neutral



## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V]	Factor [dB]	Limit [dB $\mu$ V]	Margin [dB]	Reading [dB $\mu$ V]	Detector	Type
1	0.3480	39.50	19.72	59.01	19.51	19.78	PK	N
2	0.5820	41.91	19.74	56.00	14.09	22.17	PK	N
3	0.8880	35.70	19.74	56.00	20.30	15.96	PK	N
4	1.4280	37.22	19.79	56.00	18.78	17.43	PK	N
5	2.6610	39.88	19.91	56.00	16.12	19.97	PK	N
6	4.2945	43.95	19.98	56.00	12.05	23.97	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable loss + ISN insertion loss

Level=Test receiver reading + correction factor



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## 3.2. Radiated Emissions and Band Edge

### 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).

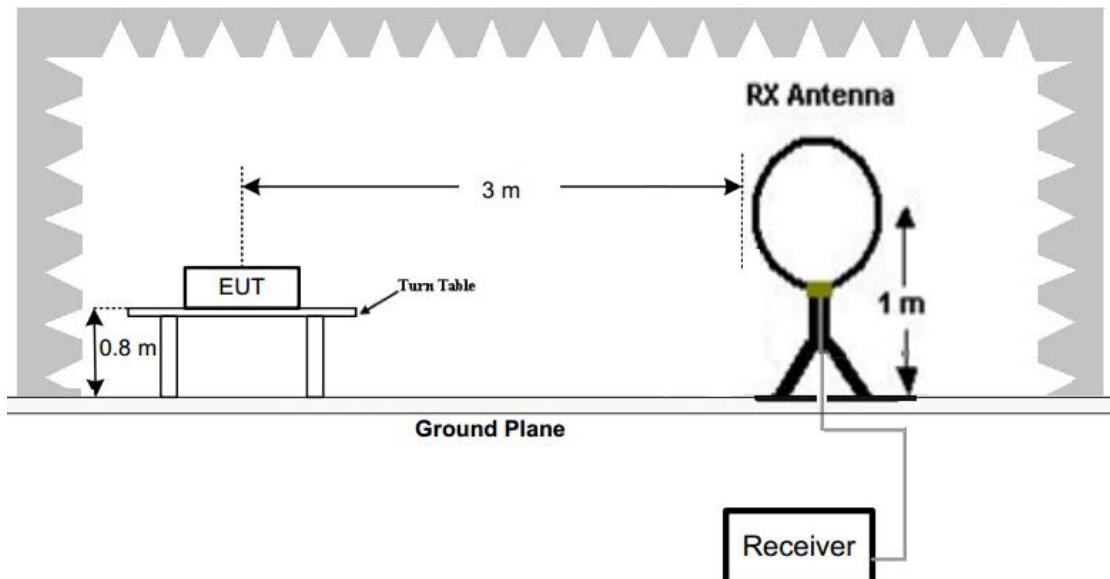
Except when the requirements applicable to a given device state otherwise, emissions from license-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission.

Radiated emission limits

Frequency (MHz)	Distance (Meters)	Radiated (dB $\mu$ V/m)	Radiated ( $\mu$ V/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(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.



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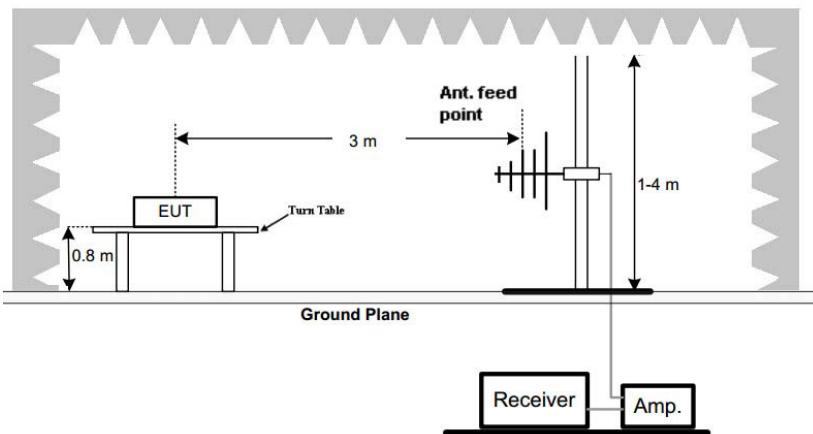
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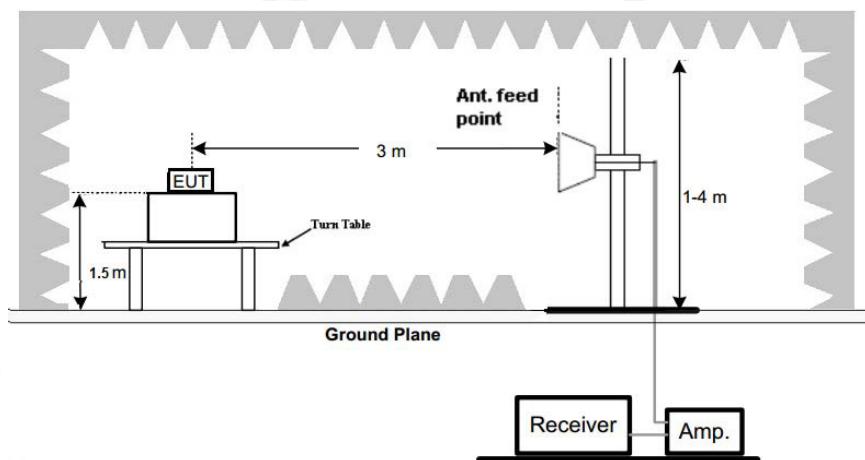
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(B) Radiated Emission Test Set-Up, Frequency below 1000MHz.



(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.

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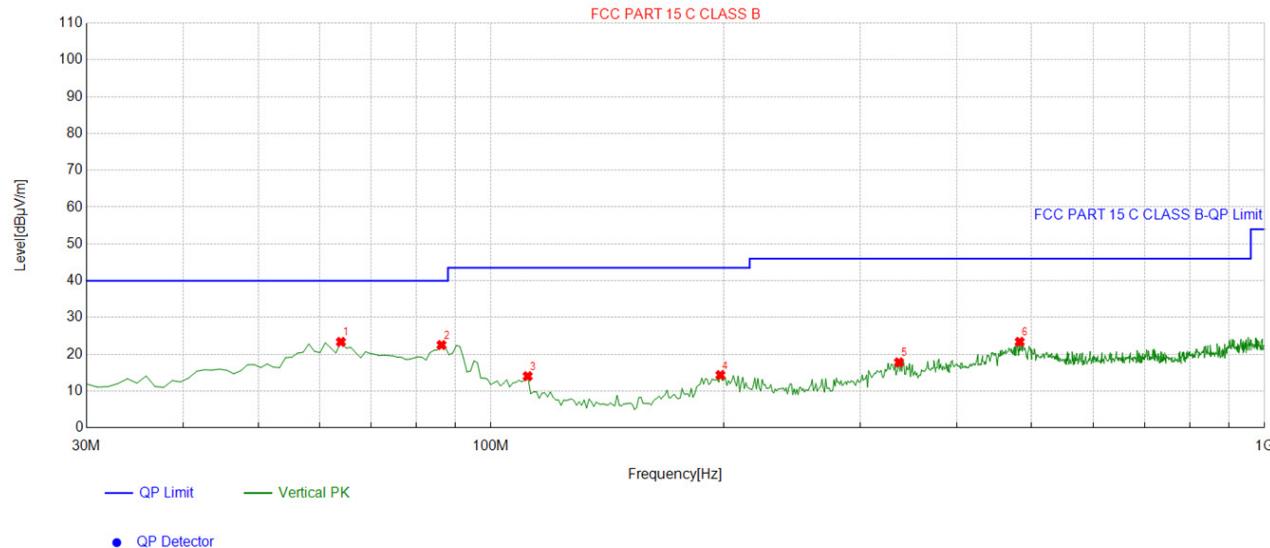
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Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.983984	-14.38	37.74	23.36	40.00	16.64	100	19	Vertical
2	86.316316	-17.62	40.14	22.52	40.00	17.48	100	248	Vertical
3	111.56156	-14.50	28.54	14.04	43.50	29.46	100	337	Vertical
4	197.97797	-14.86	29.21	14.35	43.50	29.15	100	14	Vertical
5	336.82682	-10.51	28.31	17.80	46.00	28.20	100	27	Vertical
6	482.47247	-8.11	31.50	23.39	46.00	22.61	100	156	Vertical

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

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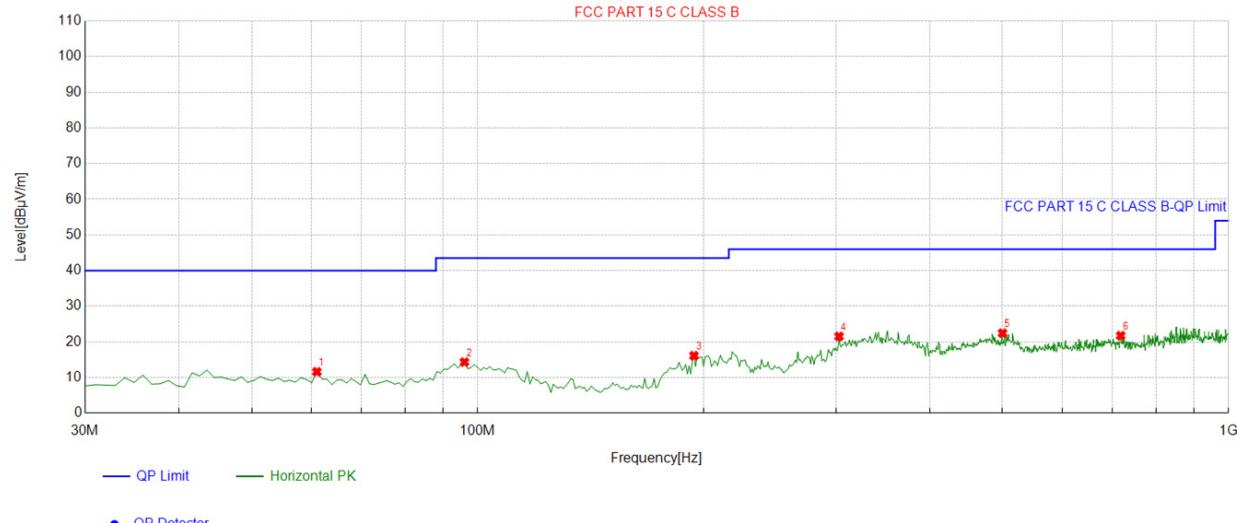
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Series Model No.: R12 pro

Horizontal

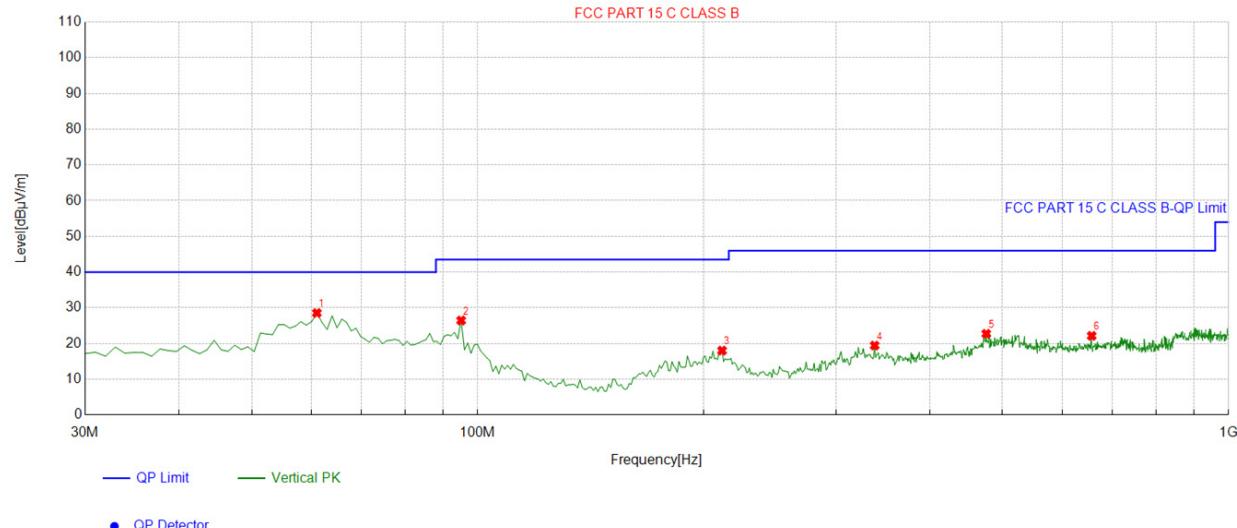


## Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB $\mu$ V/m]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	25.43	11.61	40.00	28.39	100	349	Horizontal
2	96.026026	-15.55	29.88	14.33	43.50	29.17	100	24	Horizontal
3	194.09409	-15.23	31.36	16.13	43.50	27.37	100	121	Horizontal
4	302.84284	-11.83	33.37	21.54	46.00	24.46	100	303	Horizontal
5	499.94995	-8.17	30.61	22.44	46.00	23.56	100	130	Horizontal
6	718.41841	-4.24	25.98	21.74	46.00	24.26	100	133	Horizontal

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

## Vertical



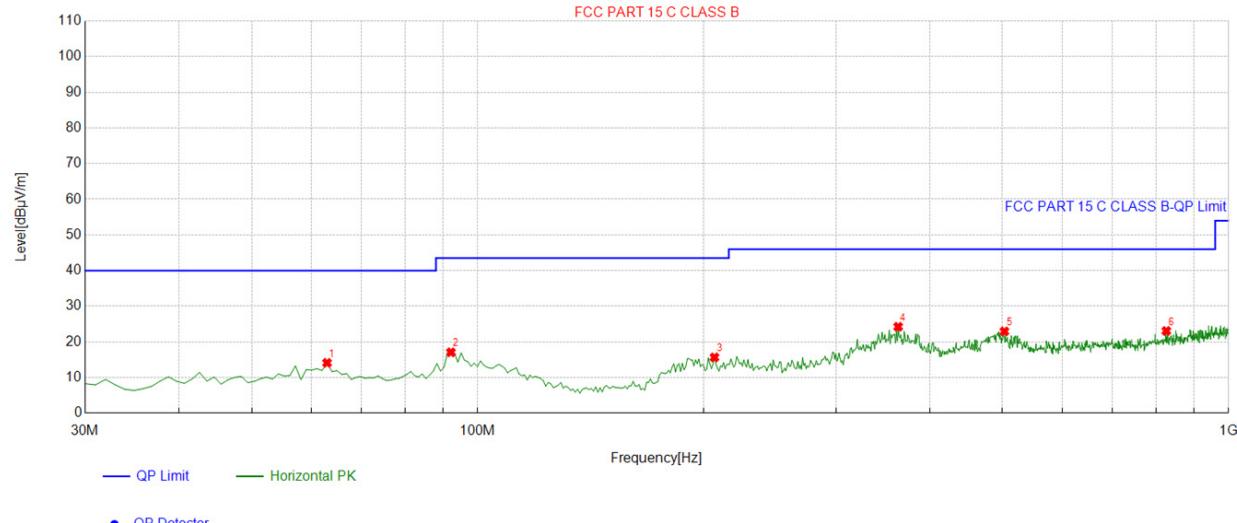
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dB $\mu$ V/m]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	42.37	28.55	40.00	11.45	100	186	Vertical
2	95.055055	-15.40	41.85	26.45	43.50	17.05	100	290	Vertical
3	211.57157	-14.85	32.87	18.02	43.50	25.48	100	127	Vertical
4	337.79779	-10.46	29.89	19.43	46.00	26.57	100	240	Vertical
5	475.67567	-8.22	30.95	22.73	46.00	23.27	100	124	Vertical
6	657.24724	-4.79	26.94	22.15	46.00	23.85	100	32	Vertical

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



Series Model No.: P5 pro

Horizontal

**Suspected List**

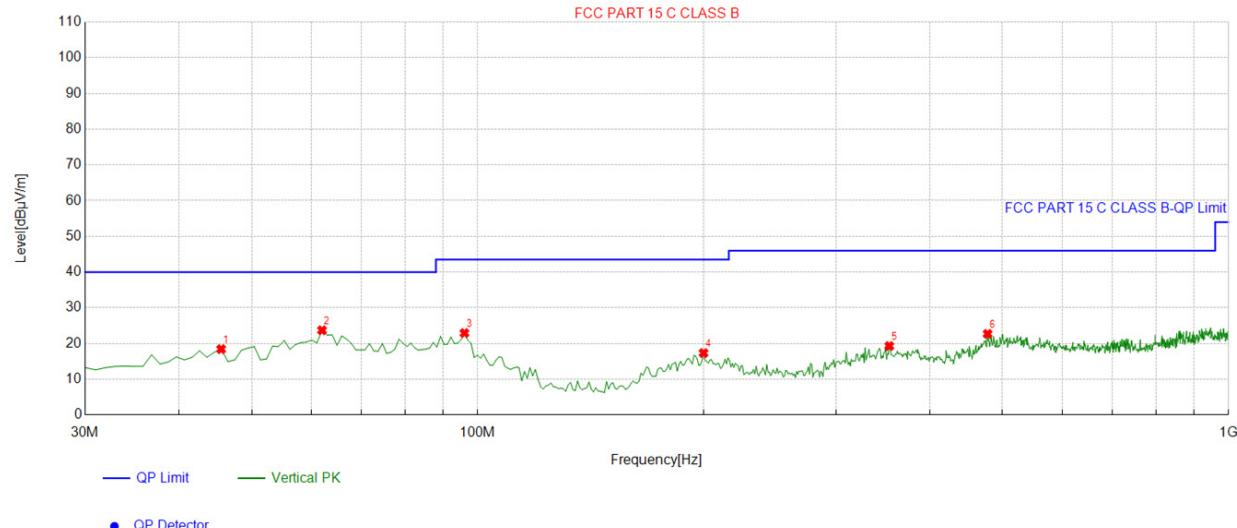
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	28.60	14.12	40.00	25.88	100	286	Horizontal
2	92.142142	-16.47	33.55	17.08	43.50	26.42	100	3	Horizontal
3	206.71671	-15.17	30.82	15.65	43.50	27.85	100	100	Horizontal
4	363.04304	-9.68	33.92	24.24	46.00	21.76	100	98	Horizontal
5	502.86286	-8.20	31.14	22.94	46.00	23.06	100	112	Horizontal
6	826.19619	-2.74	25.81	23.07	46.00	22.93	100	170	Horizontal

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



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Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.535536	-13.92	32.35	18.43	40.00	21.57	100	261	Vertical
2	62.042042	-14.29	38.00	23.71	40.00	16.29	100	129	Vertical
3	96.026026	-15.55	38.47	22.92	43.50	20.58	100	278	Vertical
4	199.91992	-15.09	32.43	17.34	43.50	26.16	100	11	Vertical
5	353.33333	-10.17	29.47	19.30	46.00	26.70	100	218	Vertical
6	477.61761	-8.24	30.94	22.70	46.00	23.30	100	178	Vertical

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

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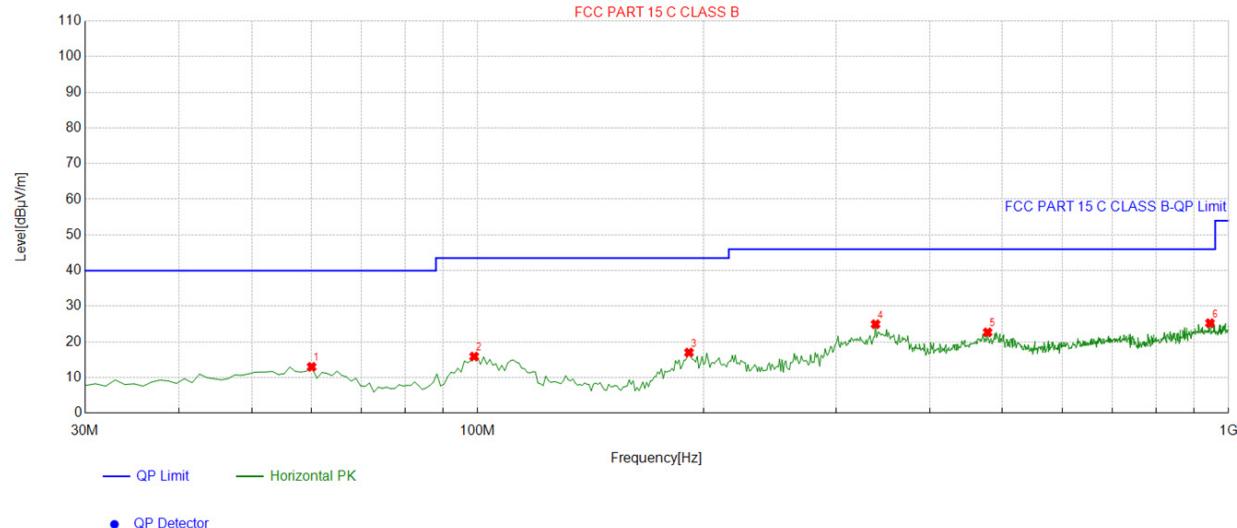
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Series Model No.: E50 Ultra

Horizontal



## Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB $\mu$ V/m]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	60.1001	-13.96	26.95	12.99	40.00	27.01	100	187	Horizontal
2	98.938939	-14.83	30.72	15.89	43.50	27.61	100	332	Horizontal
3	191.181118	-15.86	32.88	17.02	43.50	26.48	100	94	Horizontal
4	338.76876	-10.40	35.35	24.95	46.00	21.05	100	258	Horizontal
5	477.61761	-8.24	30.92	22.68	46.00	23.32	100	122	Horizontal
6	944.65465	-0.44	25.69	25.25	46.00	20.75	100	91	Horizontal

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





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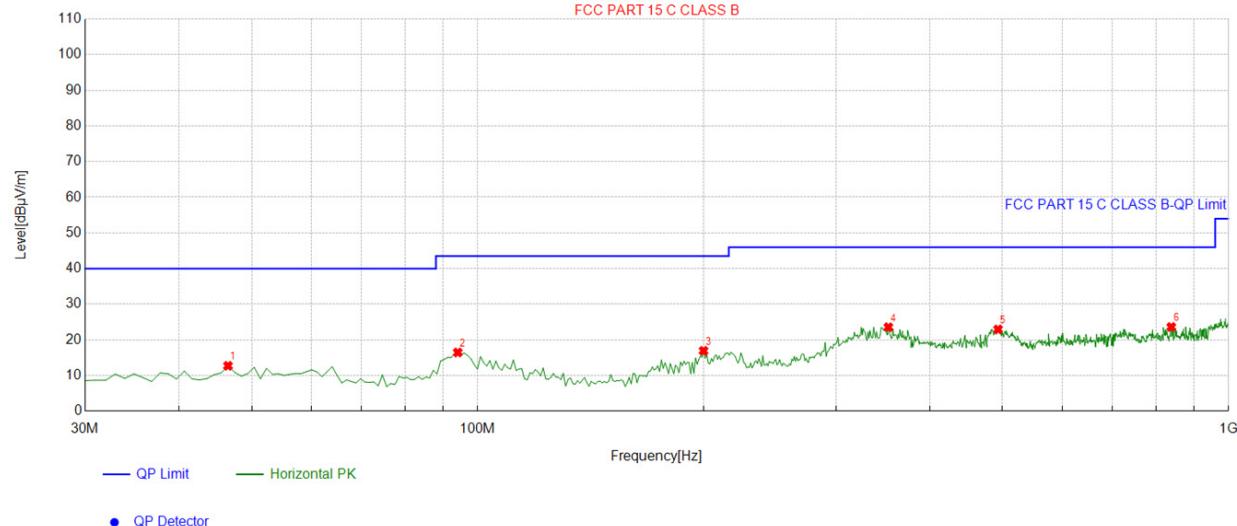
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Series Model No.: I16 pro max

Horizontal

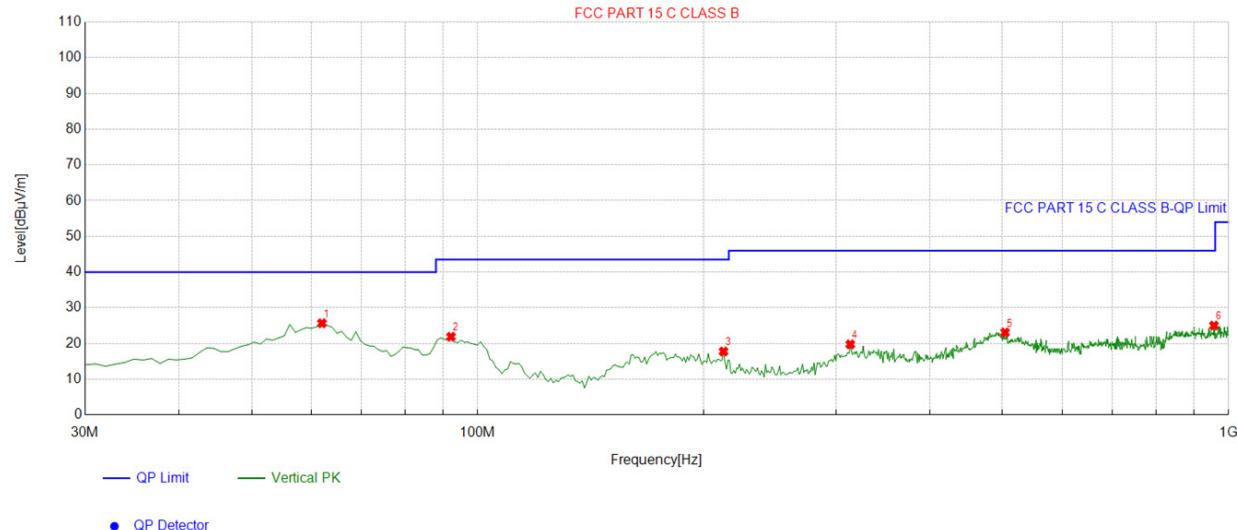


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dB $\mu$ V/m]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	46.506507	-13.89	26.62	12.73	40.00	27.27	100	102	Horizontal
2	94.084084	-15.78	32.25	16.47	43.50	27.03	100	349	Horizontal
3	199.91992	-15.09	32.03	16.94	43.50	26.56	100	87	Horizontal
4	352.36236	-10.13	33.68	23.55	46.00	22.45	100	82	Horizontal
5	493.15315	-7.86	30.81	22.95	46.00	23.05	100	122	Horizontal
6	838.81881	-2.28	25.89	23.61	46.00	22.39	100	84	Horizontal

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



Vertical

**Suspected List**

NO.	Freq. [MHz]	Factor [dB]	Reading [dB $\mu$ V/m]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	62.042042	-14.29	39.96	25.67	40.00	14.33	100	42	Vertical
2	92.142142	-16.47	38.37	21.90	43.50	21.60	100	218	Vertical
3	212.54254	-14.82	32.59	17.77	43.50	25.73	100	162	Vertical
4	313.52352	-11.54	31.31	19.77	46.00	26.23	100	360	Vertical
5	503.83383	-8.20	31.29	23.09	46.00	22.91	100	321	Vertical
6	956.30630	-0.81	25.84	25.03	46.00	20.97	100	263	Vertical

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