

FCC Test Report

**Test report
On Behalf of
Shenzhen Haimeilan Technology Co., LTD.
For
Smart Phone**

**Model No.: I16 Pro max, AE01, AE02, AE03, AE04, AE05, AE06, AE07,
AE08, AE09, AE10, AE11, AE12, AE13, AE14, AE15, AE16, AE17, AE18,
AE19, AE20, FA01, FA02, FA03, FA04, FA05, FA06, FA07, FA08, FA09,
FA10, FA11, FA12, FA13, FA14, FA15, FA16, FA17, FA18, FA19, FA20,
Viral11, Alpha10 Pro, Zero 5 neo, Echo8 Se, S26 Ultra, Pixel 9, SP30
Pro, MT Ultimate, M15 pro**

FCC ID: 2BDI3-V

Prepared For : Shenzhen Haimeilan Technology Co., LTD.

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

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Date of Test: Feb. 20, 2025 ~ Apr. 18, 2025

Date of Report: Apr. 18, 2025

Report Number: HK2502080444-4E

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Test Result Certification

Applicant's name Shenzhen Haimeilan Technology Co., LTD.

Address 9V777, East 9th Floor, Building 2, SEG Science Park, Huaqiang North Street,
Futian District, Shenzhen, 518000 China

Manufacturer's Name Shenzhen Haimeilan Technology Co., LTD.

Address 9V777, East 9th Floor, Building 2, SEG Science Park, Huaqiang North Street,
Futian District, Shenzhen, 518000 China

Product description

Trade Mark: N/A

Product name Smart Phone

Model and/or type reference I16 Pro max, AE01, AE02, AE03, AE04, AE05, AE06, AE07, AE08, AE09, AE10, AE11, AE12, AE13, AE14, AE15, AE16, AE17, AE18, AE19, AE20, FA01, FA02, FA03, FA04, FA05, FA06, FA07, FA08, FA09, FA10, FA11, FA12, FA13, FA14, FA15, FA16, FA17, FA18, FA19, FA20, Viral11, Alpha10 Pro, Zero 5 neo, Echo8 Se, S26 Ultra, Pixel 9, SP30 Pro, MT Ultimate, M15 pro

Standards 47 CFR FCC Part 15 Subpart C 15.247

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Date of Test

Date (s) of performance of tests Feb. 20, 2025 ~ Apr. 18, 2025

Date of Issue Apr. 18, 2025

Test Result Pass

Testing Engineer

Len Liao

Len Liao

Technical Manager

Sliver Wan

Sliver Wan

Authorized Signatory

Jason Zhou

Jason Zhou

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**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Apr. 18, 2025	Jason Zhou

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 Line 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. Information of the Test Laboratory

Shenzhen HUAKE 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 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 %.

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)

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	I16 Pro max
Series Models:	AE01, AE02, AE03, AE04, AE05, AE06, AE07, AE08, AE09, AE10, AE11, AE12, AE13, AE14, AE15, AE16, AE17, AE18, AE19, AE20, FA01, FA02, FA03, FA04, FA05, FA06, FA07, FA08, FA09, FA10, FA11, FA12, FA13, FA14, FA15, FA16, FA17, FA18, FA19, FA20, Viral11, Alpha10 Pro, Zero 5 neo, Echo8 Se, S26 Ultra, Pixel 9, SP30 Pro, MT Ultimate, M15 pro
Model Difference:	All model's the function, software and electric circuit are the same, only with a product appearance, color and model named different. Test sample mode: I16 Pro max.
Trade Mark:	N/A
Power supply:	DC 5V From Type-C or DC 3.85V 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:	-1.52dBi
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
Conducted Emissions	Working mode while charging
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

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)

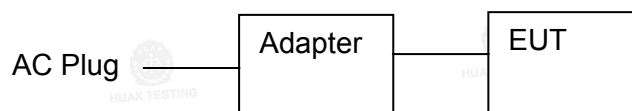
This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

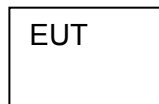
No modifications were implemented to meet testing criteria.

2.7. Description of Test Setup

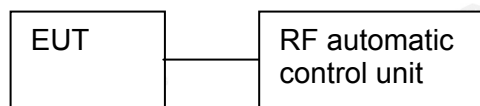
Operation of EUT during AC conducted testing and below 1GHz radiation testing:



Operation of EUT during above 1GHz 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	Remark
1	Smart Phone	N/A	I16 Pro max	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:

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.

3. Test Conditions and Results

3.1. AC Power Line Conducted Emission

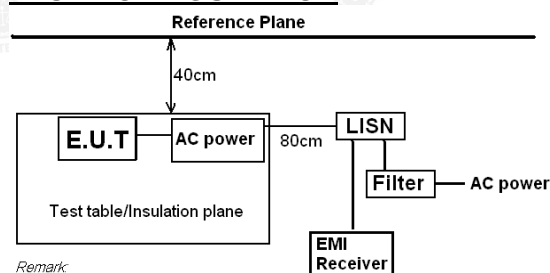
LIMIT

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

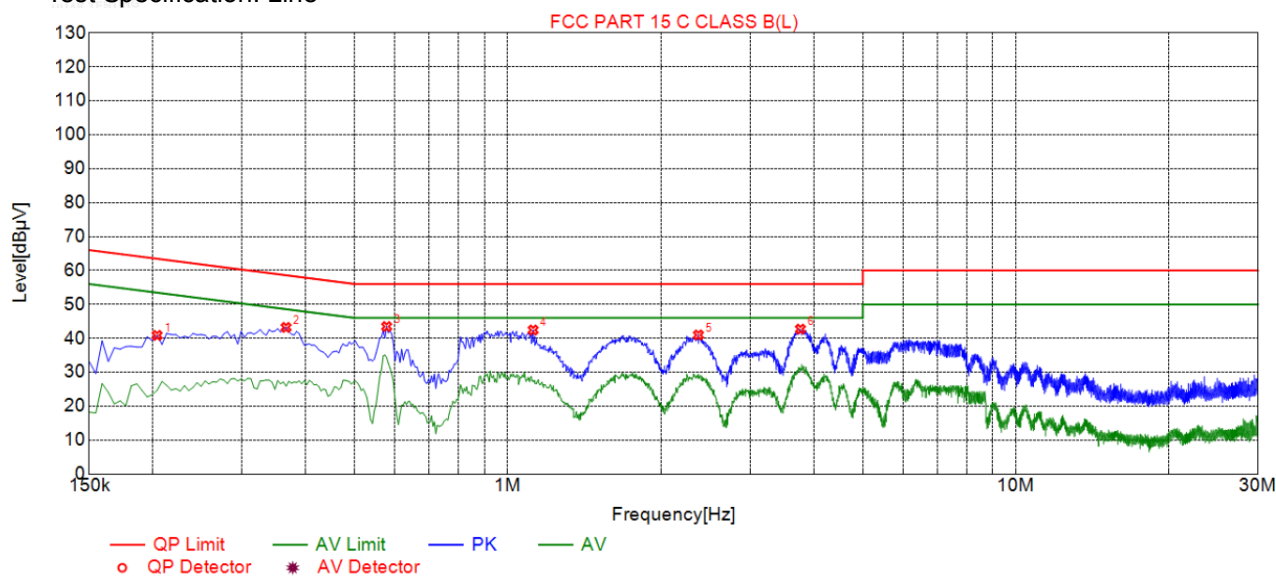
1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as per ANSI C63.10:2013.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10:2013.
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.

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TEST RESULTS

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

Test Model No.: I16 Pro max
Test Specification: Line

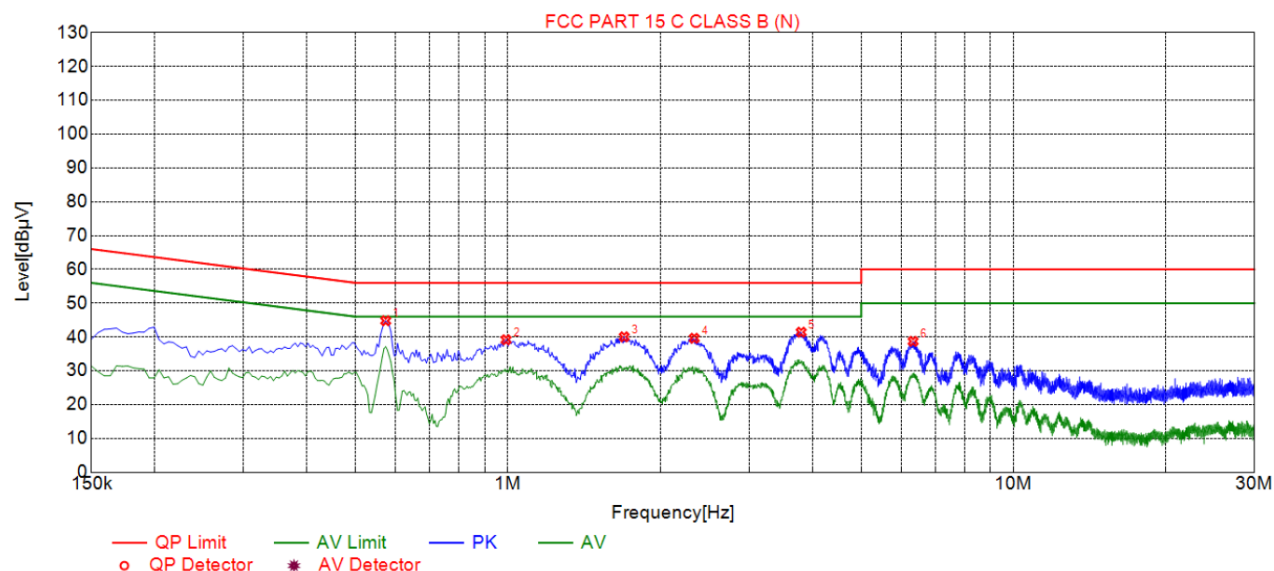


Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.2040	40.86	19.84	63.45	22.59	21.02	PK	L
2	0.3660	43.22	19.85	58.59	15.37	23.37	PK	L
3	0.5775	43.47	19.86	56.00	12.53	23.61	PK	L
4	1.1220	42.44	19.89	56.00	13.56	22.55	PK	L
5	2.3730	40.98	20.00	56.00	15.02	20.98	PK	L
6	3.7680	42.72	20.09	56.00	13.28	22.63	PK	L

Remark: Margin = Limit – Level
Correction factor = Cable lose + LISN insertion loss
Level=Test receiver reading + correction factor

Test Specification: Neutral



Suspected List

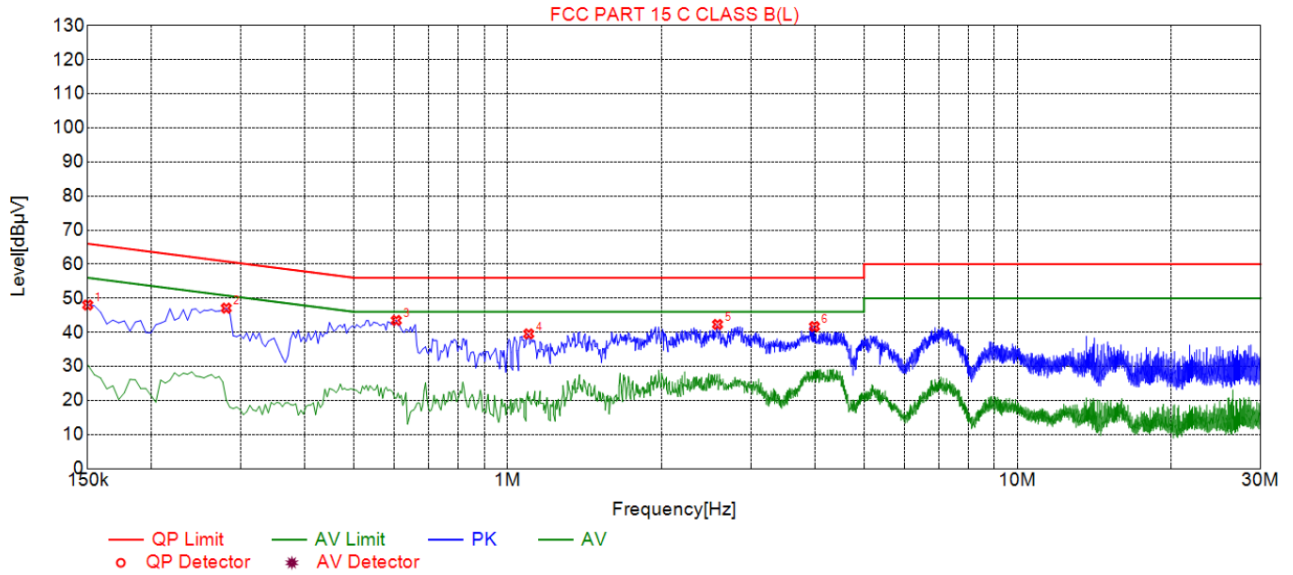
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.5730	44.81	19.74	56.00	11.19	25.07	PK	N
2	0.9915	39.18	19.74	56.00	16.82	19.44	PK	N
3	1.6980	40.06	19.82	56.00	15.94	20.24	PK	N
4	2.3370	39.63	19.88	56.00	16.37	19.75	PK	N
5	3.8040	41.42	19.97	56.00	14.58	21.45	PK	N
6	6.3330	38.72	19.98	60.00	21.28	18.74	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: S26 Ultra
Test Specification: Line



Suspected List

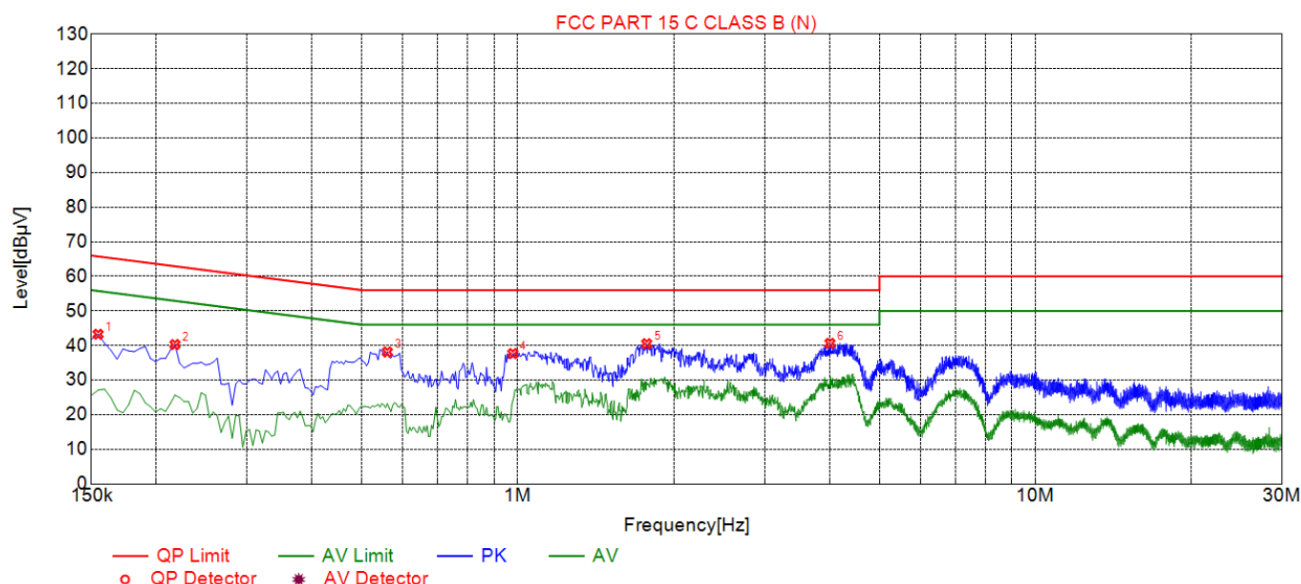
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1500	48.02	19.83	66.00	17.98	28.19	PK	L
2	0.2805	47.10	19.84	60.80	13.70	27.26	PK	L
3	0.6045	43.50	19.86	56.00	12.50	23.64	PK	L
4	1.0995	39.55	19.88	56.00	16.45	19.67	PK	L
5	2.5800	42.32	20.03	56.00	13.68	22.29	PK	L
6	3.9975	41.69	20.09	56.00	14.31	21.60	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Test Specification: Neutral



Suspected List

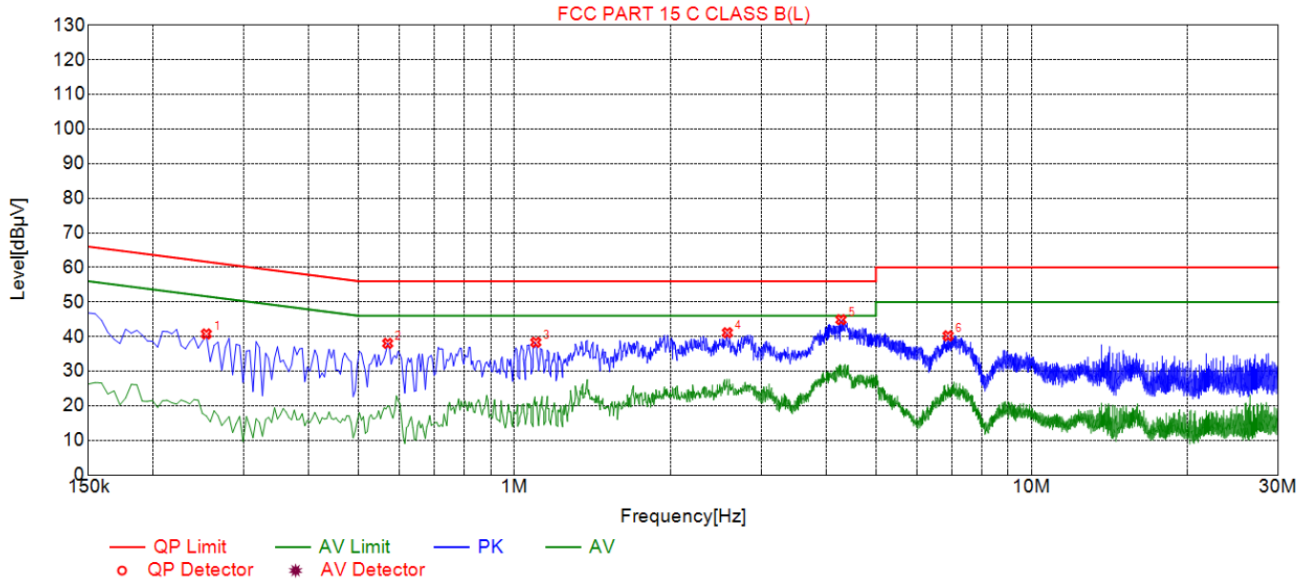
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1545	43.26	19.73	65.75	22.49	23.53	PK	N
2	0.2175	40.28	19.75	62.91	22.63	20.53	PK	N
3	0.5595	38.13	19.75	56.00	17.87	18.38	PK	N
4	0.9780	37.67	19.74	56.00	18.33	17.93	PK	N
5	1.7745	40.52	19.83	56.00	15.48	20.69	PK	N
6	4.0110	40.62	19.97	56.00	15.38	20.65	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: Pixel 9
Test Specification: Line

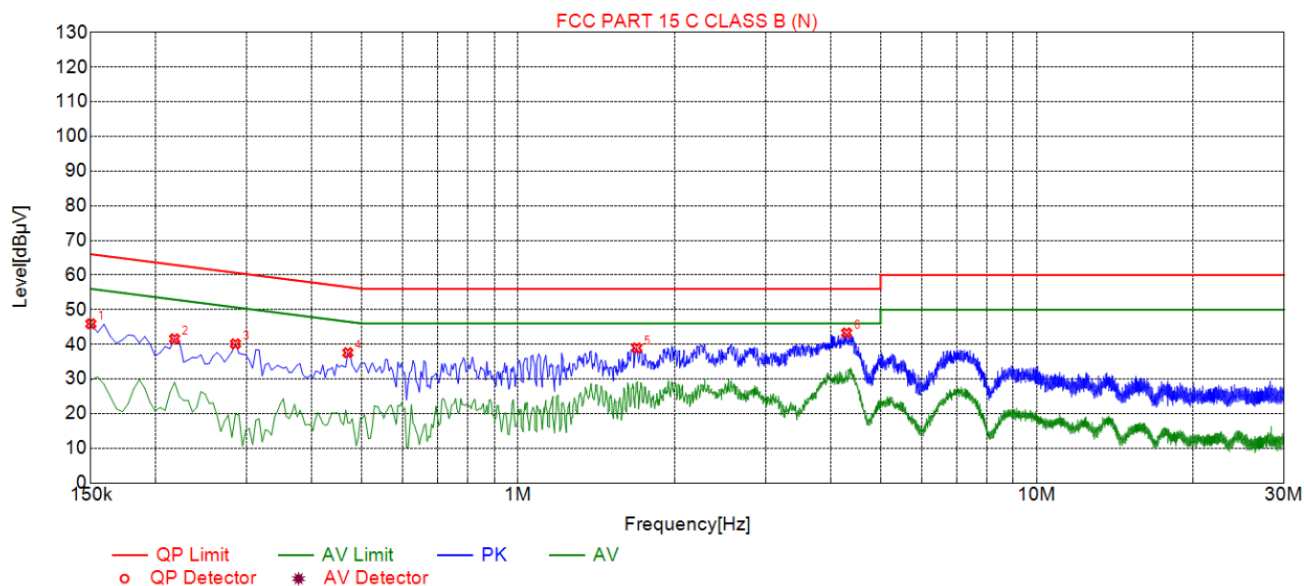


Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.2535	40.77	19.84	61.64	20.87	20.93	PK	L
2	0.5685	38.05	19.86	56.00	17.95	18.19	PK	L
3	1.0995	38.35	19.88	56.00	17.65	18.47	PK	L
4	2.5800	41.12	20.03	56.00	14.88	21.09	PK	L
5	4.2810	44.89	20.09	56.00	11.11	24.80	PK	L
6	6.8955	40.22	20.07	60.00	19.78	20.15	PK	L

Remark: Margin = Limit – Level
Correction factor = Cable lose + LISN insertion loss
Level=Test receiver reading + correction factor

Test Specification: Neutral



Suspected List

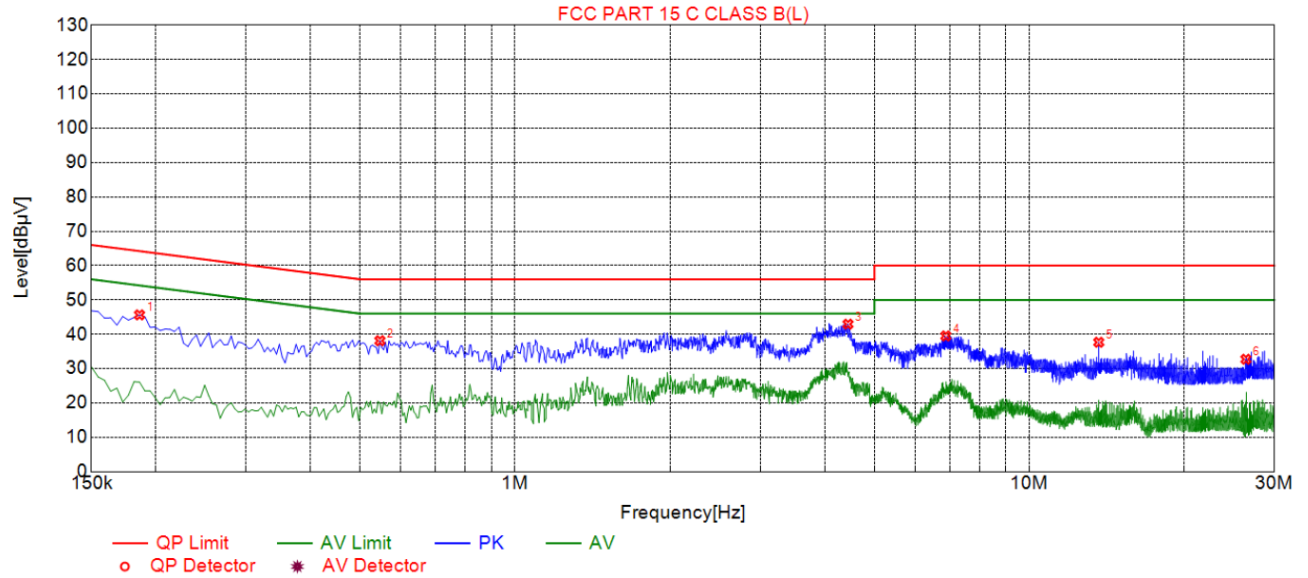
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1500	45.92	19.73	66.00	20.08	26.19	PK	N
2	0.2175	41.58	19.75	62.91	21.33	21.83	PK	N
3	0.2850	40.14	19.73	60.67	20.53	20.41	PK	N
4	0.4695	37.58	19.73	56.52	18.94	17.85	PK	N
5	1.6935	38.94	19.82	56.00	17.06	19.12	PK	N
6	4.2990	43.29	19.98	56.00	12.71	23.31	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: SP30 Pro
Test Specification: Line



Suspected List

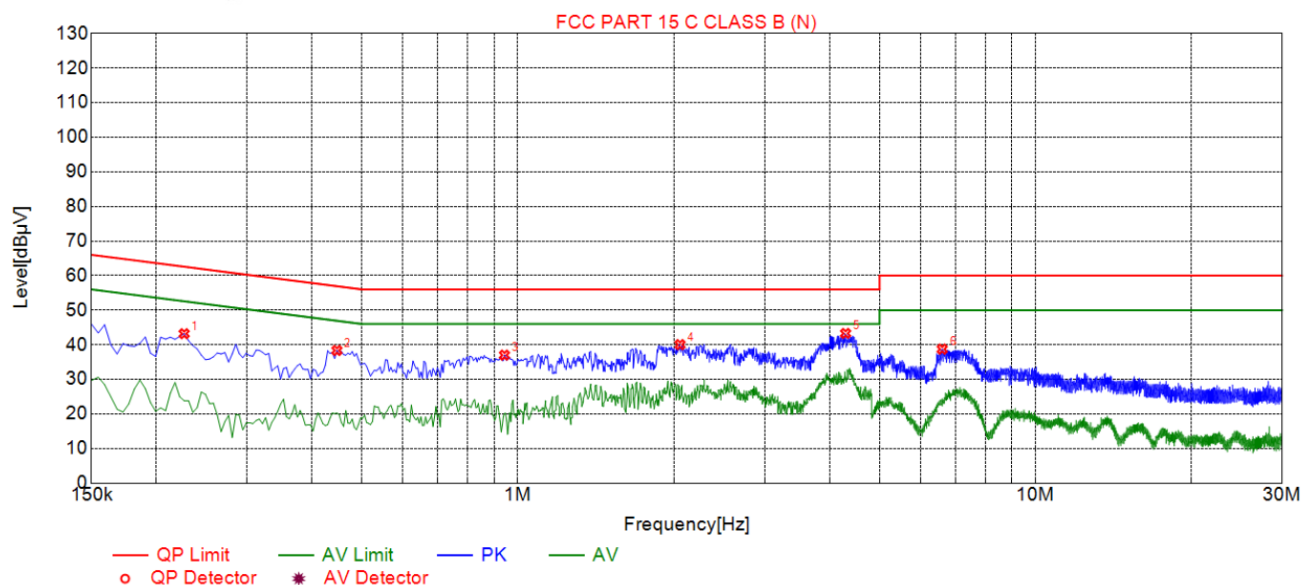
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1860	45.64	19.85	64.21	18.57	25.79	PK	L
2	0.5460	38.12	19.86	56.00	17.88	18.26	PK	L
3	4.4430	42.95	20.09	56.00	13.05	22.86	PK	L
4	6.8865	39.51	20.07	60.00	20.49	19.44	PK	L
5	13.6590	37.67	19.82	60.00	22.33	17.85	PK	L
6	26.4030	32.72	20.19	60.00	27.28	12.53	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Test Specification: Neutral



Suspected List

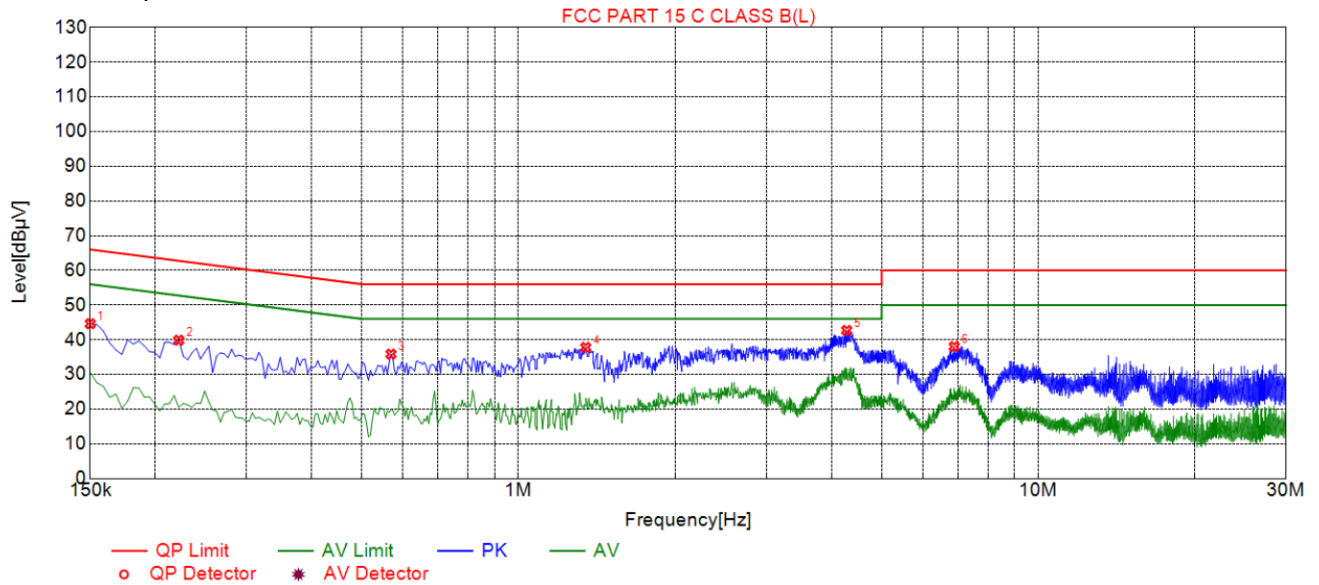
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.2265	43.20	19.73	62.58	19.38	23.47	PK	N
2	0.4470	38.35	19.74	56.93	18.58	18.61	PK	N
3	0.9420	37.01	19.74	56.00	18.99	17.27	PK	N
4	2.0580	40.04	19.85	56.00	15.96	20.19	PK	N
5	4.2990	43.29	19.98	56.00	12.71	23.31	PK	N
6	6.6075	38.73	19.97	60.00	21.27	18.76	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: MT Ultimate
Test Specification: Line



Suspected List

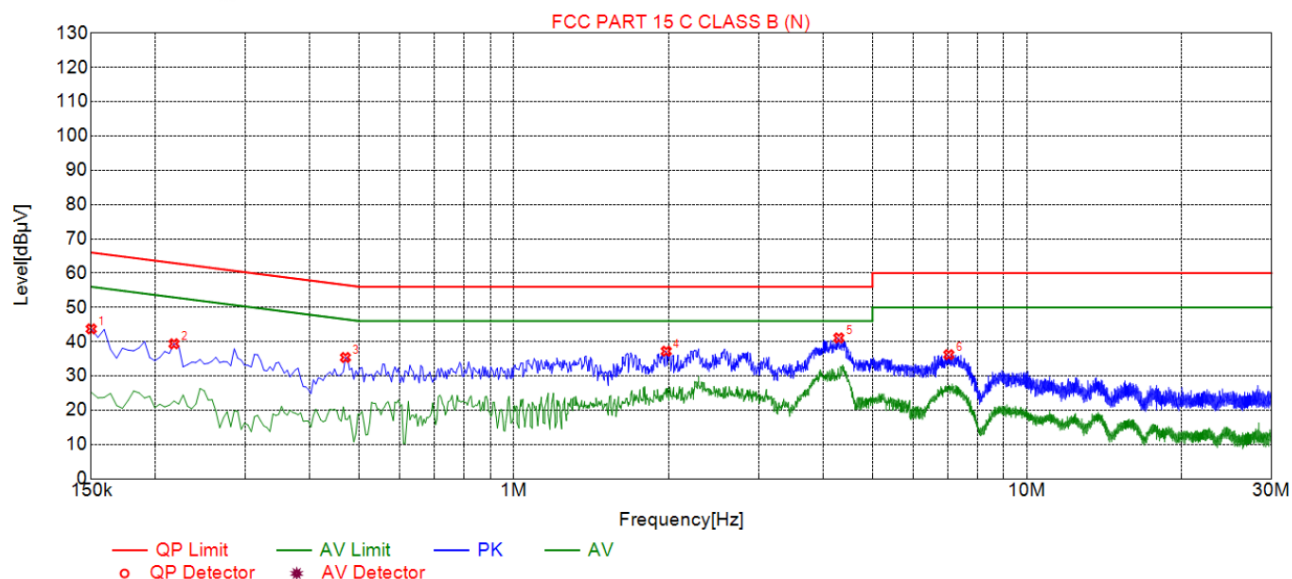
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1500	44.62	19.83	66.00	21.38	24.79	PK	L
2	0.2220	39.87	19.84	62.74	22.87	20.03	PK	L
3	0.5685	35.85	19.86	56.00	20.15	15.99	PK	L
4	1.3470	37.80	19.92	56.00	18.20	17.88	PK	L
5	4.2810	42.69	20.09	56.00	13.31	22.60	PK	L
6	6.8955	38.02	20.07	60.00	21.98	17.95	PK	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Test Specification: Neutral



Suspected List

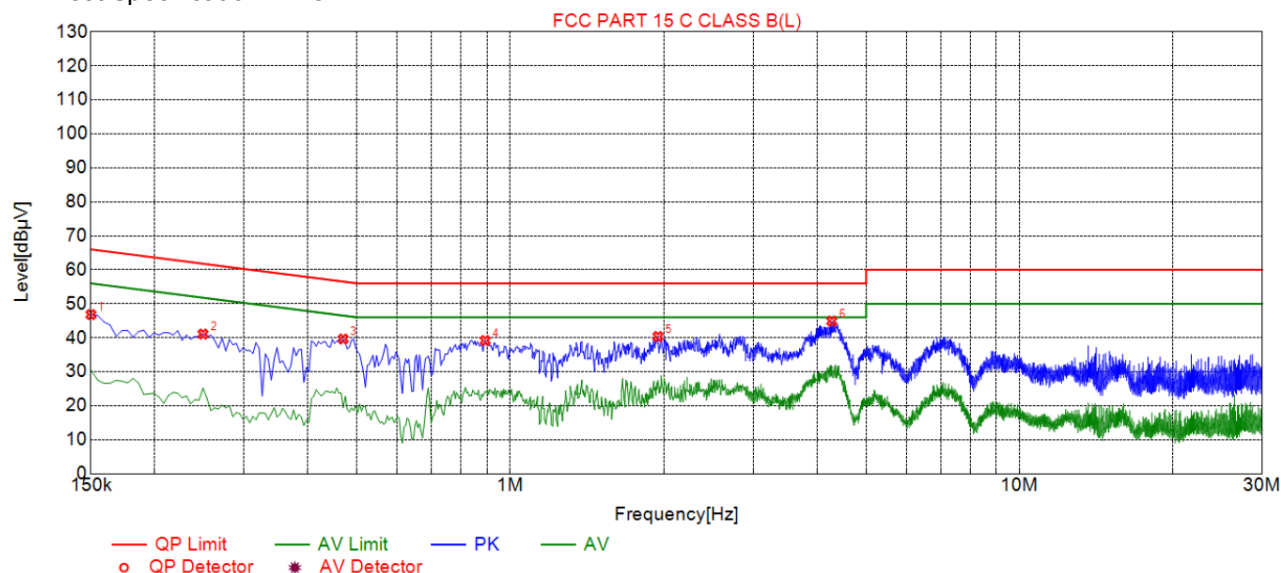
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1500	43.72	19.73	66.00	22.28	23.99	PK	N
2	0.2175	39.38	19.75	62.91	23.53	19.63	PK	N
3	0.4695	35.38	19.73	56.52	21.14	15.65	PK	N
4	1.9815	37.22	19.84	56.00	18.78	17.38	PK	N
5	4.2990	41.09	19.98	56.00	14.91	21.11	PK	N
6	7.0440	36.20	19.96	60.00	23.80	16.24	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

Series Model No.: M15 pro
Test Specification: Line



Suspected List

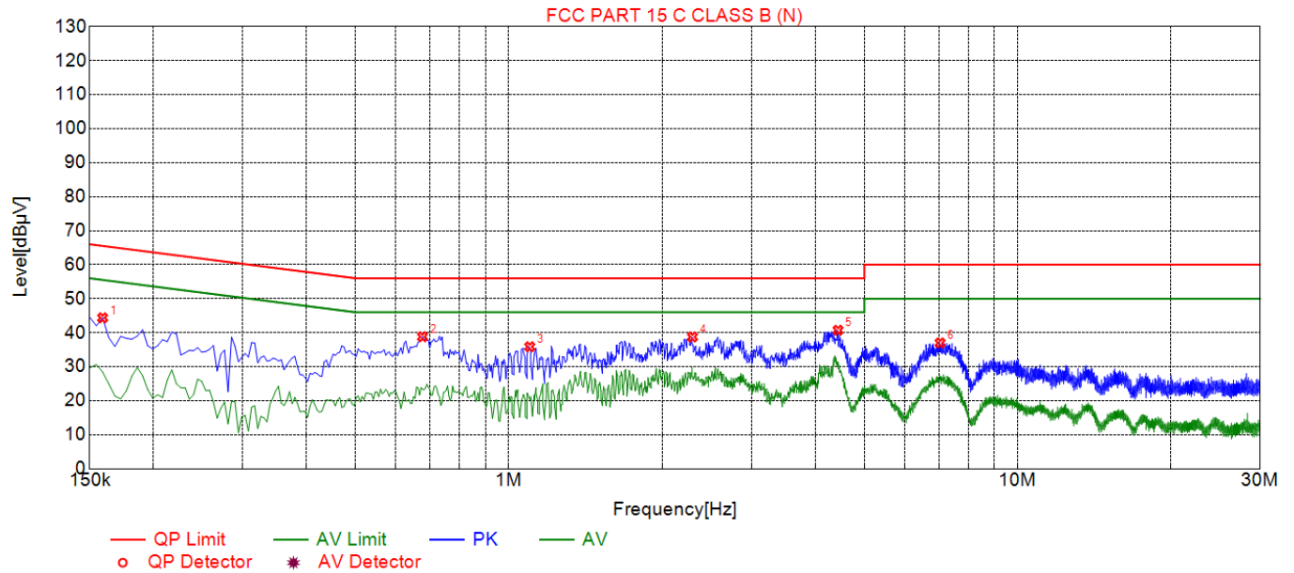
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1500	46.82	19.83	66.00	19.18	26.99	PK	L
2	0.2490	41.08	19.84	61.79	20.71	21.24	PK	L
3	0.4695	39.64	19.84	56.52	16.88	19.80	PK	L
4	0.8925	39.18	19.87	56.00	16.82	19.31	PK	L
5	1.9500	40.38	19.96	56.00	15.62	20.42	PK	L
6	4.2810	44.89	20.09	56.00	11.11	24.80	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	44.38	19.70	65.52	21.14	24.68	PK	N
2	0.6765	38.81	19.74	56.00	17.19	19.07	PK	N
3	1.0995	35.87	19.75	56.00	20.13	16.12	PK	N
4	2.2965	38.75	19.88	56.00	17.25	18.87	PK	N
5	4.4385	40.72	19.98	56.00	15.28	20.74	PK	N
6	7.0440	37.00	19.96	60.00	23.00	17.04	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

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).

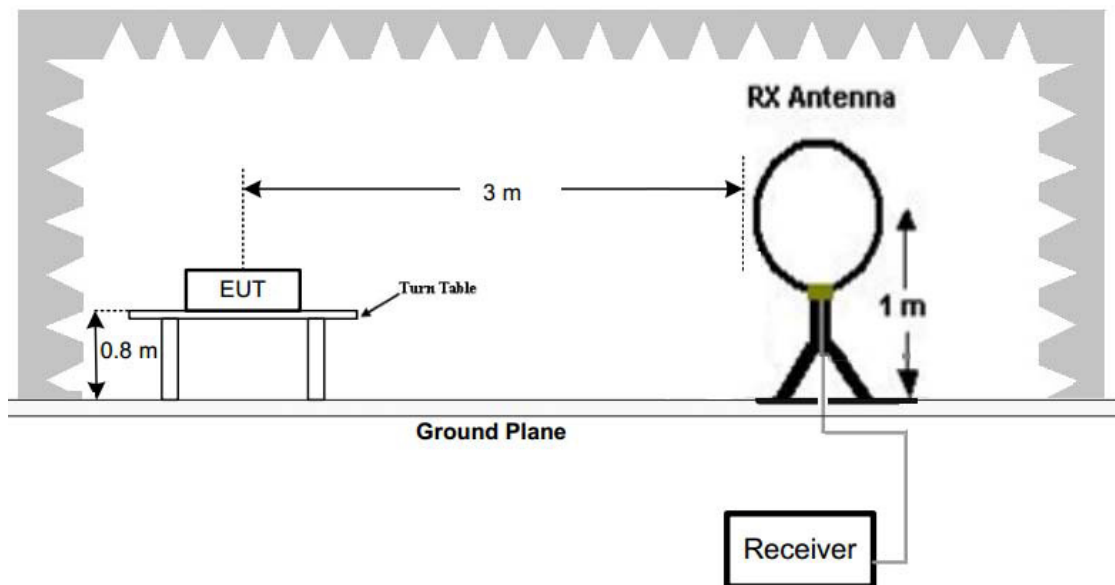
Except when the requirements applicable to a given device state otherwise, emissions from license-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission.

Radiated emission limits

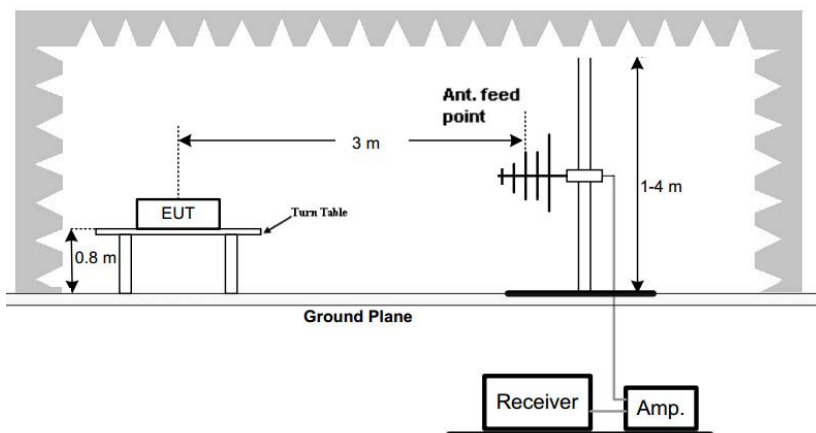
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960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

TEST CONFIGURATION

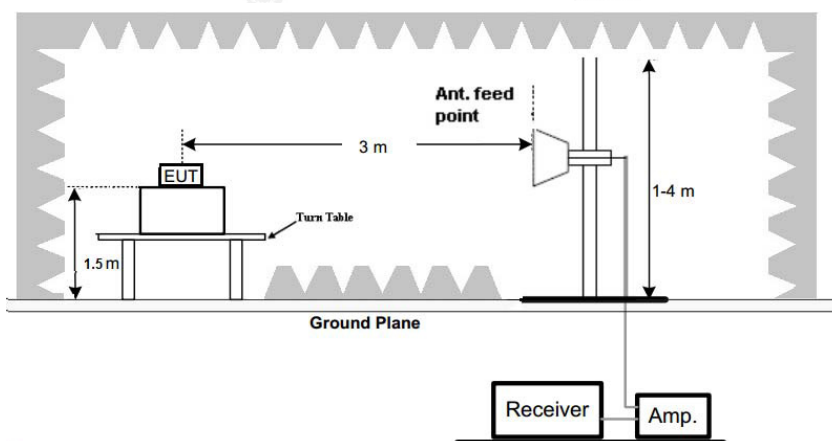
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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

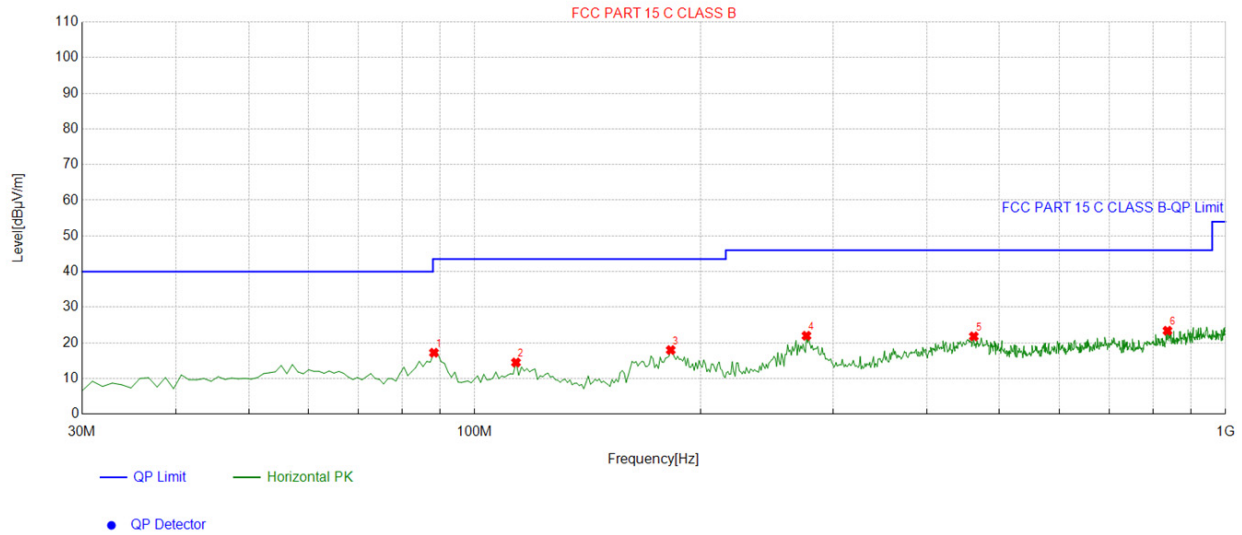
Remark:

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.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAKE Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.

Below 1GHz Test Results:

Test Model No.: I16 Pro max
Horizontal

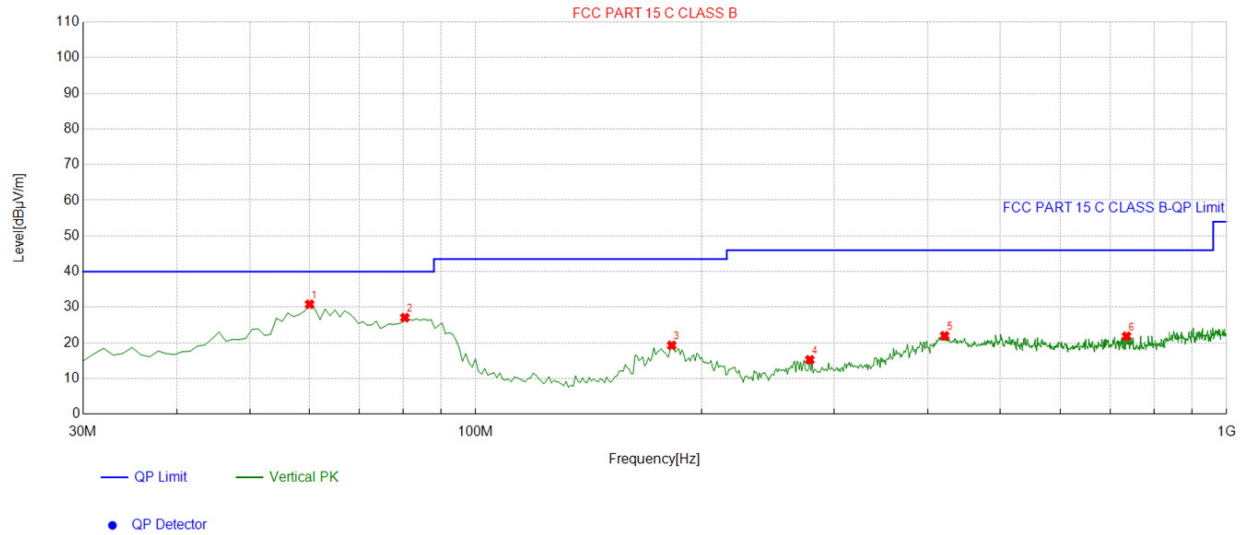


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	88.258258	-17.03	34.26	17.23	43.50	26.27	100	330	Horizontal
2	113.50350	-15.09	29.59	14.50	43.50	29.00	100	192	Horizontal
3	182.44244	-15.91	33.90	17.99	43.50	25.51	100	60	Horizontal
4	276.62662	-12.69	34.69	22.00	46.00	24.00	100	60	Horizontal
5	462.08208	-8.86	30.68	21.82	46.00	24.18	100	157	Horizontal
6	836.87687	-2.49	25.90	23.41	46.00	22.59	100	330	Horizontal

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

Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	60.1001	-13.96	44.78	30.82	40.00	9.18	100	140	Vertical
2	80.49049	-18.34	45.41	27.07	40.00	12.93	100	174	Vertical
3	182.44244	-15.91	35.21	19.30	43.50	24.20	100	73	Vertical
4	278.56856	-12.65	27.89	15.24	46.00	30.76	100	47	Vertical
5	421.30130	-9.09	31.07	21.98	46.00	24.02	100	238	Vertical
6	735.89589	-3.50	25.34	21.84	46.00	24.16	100	238	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.

Series Model No.: S26 Ultra

Horizontal



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	25.72	11.80	40.00	28.20	100	111	Horizontal
2	103.79379	-14.69	33.55	18.86	43.50	24.64	100	360	Horizontal
3	213.51351	-14.79	34.38	19.59	43.50	23.91	100	51	Horizontal
4	363.04304	-9.68	33.47	23.79	46.00	22.21	100	74	Horizontal
5	474.70470	-8.23	29.01	20.78	46.00	25.22	100	294	Horizontal
6	691.23123	-4.08	26.30	22.22	46.00	23.78	100	100	Horizontal

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

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	68.838839	-16.41	41.28	24.87	40.00	15.13	100	286	Vertical
2	96.026026	-15.55	38.33	22.78	43.50	20.72	100	163	Vertical
3	210.60060	-14.88	30.91	16.03	43.50	27.47	100	2	Vertical
4	350.42042	-10.05	30.78	20.73	46.00	25.27	100	229	Vertical
5	484.41441	-7.98	32.27	24.29	46.00	21.71	100	266	Vertical
6	935.91591	-1.47	26.73	25.26	46.00	20.74	100	16	Vertical

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

Harmonics and Spurious Emissions

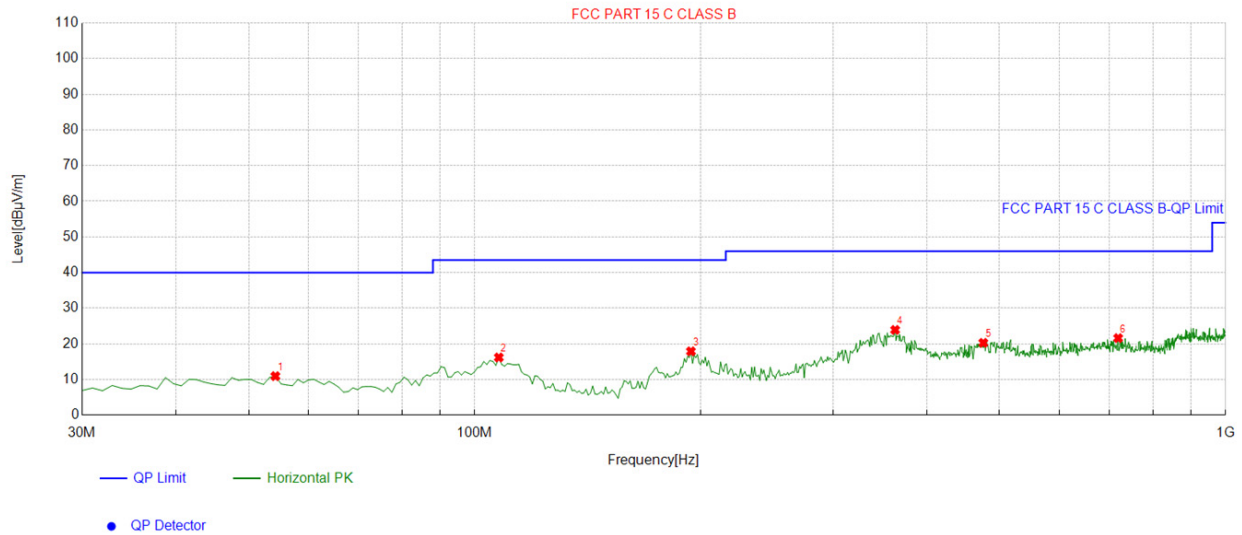
Frequency Range (9kHz-30MHz)

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.

Series Model No.: Pixel 9

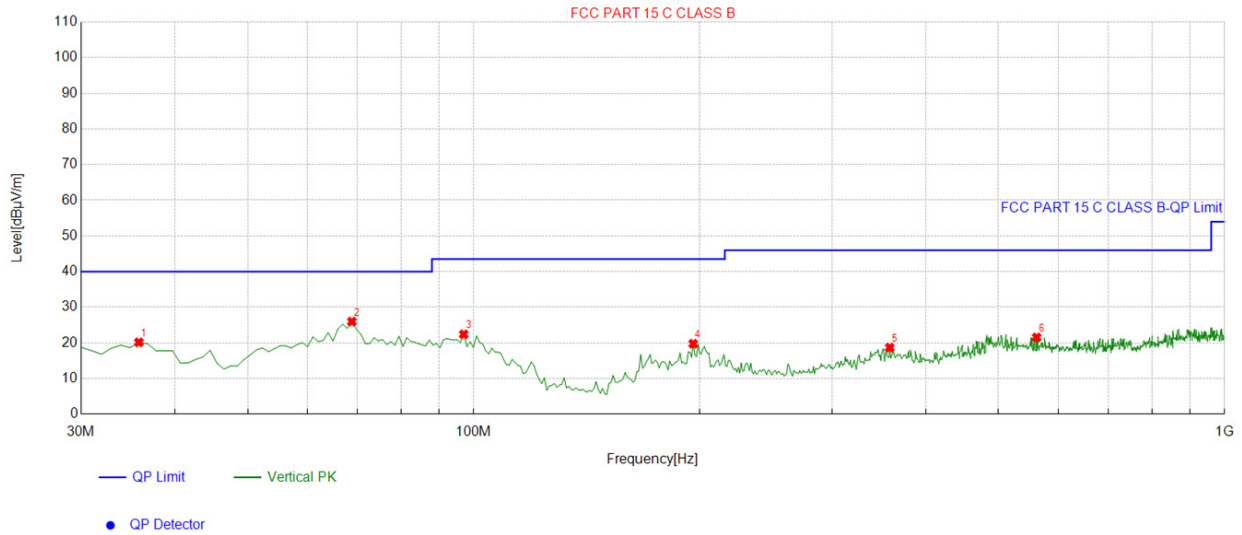
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.274274	-13.50	24.45	10.95	40.00	29.05	100	255	Horizontal
2	107.67767	-14.18	30.37	16.19	43.50	27.31	100	342	Horizontal
3	194.09409	-15.23	33.14	17.91	43.50	25.59	100	270	Horizontal
4	363.04304	-9.68	33.60	23.92	46.00	22.08	100	261	Horizontal
5	475.67567	-8.22	28.51	20.29	46.00	25.71	100	148	Horizontal
6	719.38938	-4.26	25.88	21.62	46.00	24.38	100	157	Horizontal

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

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	34.69	20.15	40.00	19.85	100	283	Vertical
2	68.838839	-16.41	42.38	25.97	40.00	14.03	100	100	Vertical
3	96.996997	-14.95	37.36	22.41	43.50	21.09	100	161	Vertical
4	196.03603	-14.99	34.75	19.76	43.50	23.74	100	8	Vertical
5	358.18818	-10.00	28.68	18.68	46.00	27.32	100	222	Vertical
6	562.09209	-6.33	27.86	21.53	46.00	24.47	100	141	Vertical

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

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

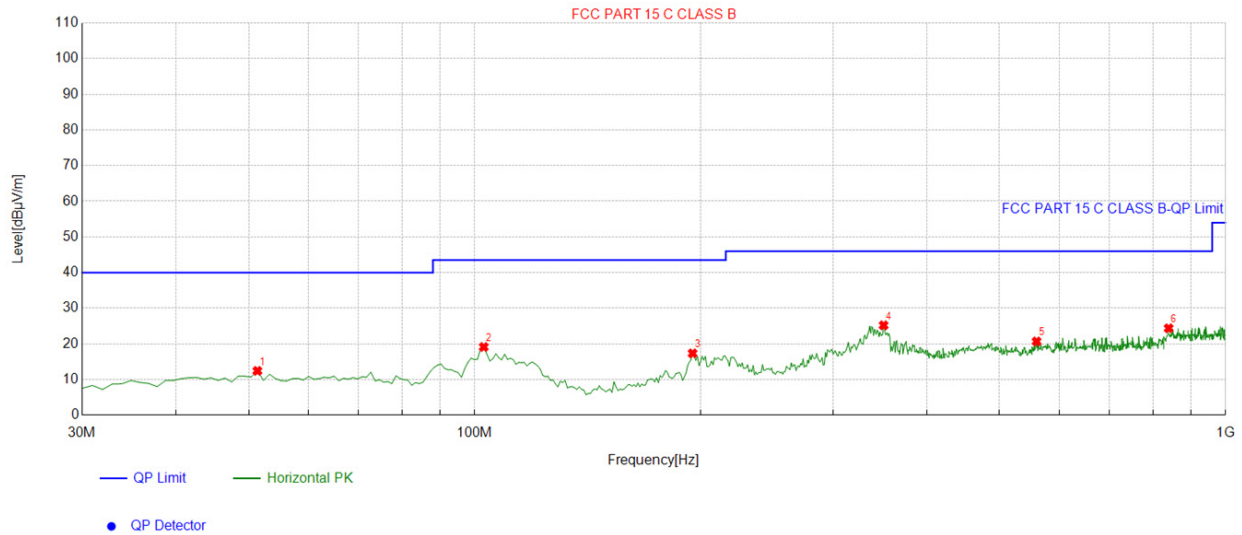
Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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Note:1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor.

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

Series Model No.: SP30 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	51.361361	-13.25	25.68	12.43	40.00	27.57	100	243	Horizontal
2	102.82282	-14.98	34.11	19.13	43.50	24.37	100	360	Horizontal
3	195.06506	-15.20	32.54	17.34	43.50	26.16	100	58	Horizontal
4	350.42042	-10.05	35.25	25.20	46.00	20.80	100	70	Horizontal
5	560.15015	-6.40	27.08	20.68	46.00	25.32	100	99	Horizontal
6	839.78979	-2.18	26.56	24.38	46.00	21.62	100	240	Horizontal

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

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	68.838839	-16.41	44.10	27.69	40.00	12.31	100	93	Vertical
2	90.2002	-16.68	40.34	23.66	43.50	19.84	100	238	Vertical
3	198.94894	-14.75	33.98	19.23	43.50	24.27	100	67	Vertical
4	341.68168	-10.26	28.06	17.80	46.00	28.20	100	226	Vertical
5	494.12412	-7.84	32.17	24.33	46.00	21.67	100	286	Vertical
6	907.75775	-1.26	26.15	24.89	46.00	21.11	100	105	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.