

FCC RF Test Report

(2.4G Wi-Fi)

Report No.: JYTSZ-R12-2500398

Applicant: Shenzhen Tianruixiang Communication Equipment Co.,LTD

Address of Applicant: 12/F, Building B, Longhua Digital Innovation Center, Longhua District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: Panther 1

Trade Mark: LAGENIO

FCC ID: 2BOJC-PANTHER1

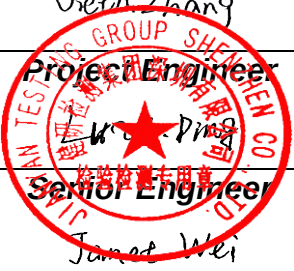
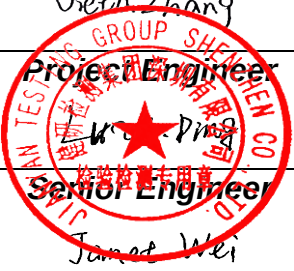
Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Sample Receipt: 31 Mar., 2025

Date of Test: 01 Apr., to 21 Jul., 2025

Date of Report Issued: 07 Aug., 2025

Test Result: PASS

Project by:	<u>Vieta Zhang</u> 	Date:	<u>07 Aug., 2025</u>
Reviewed by:	<u>W. Ding</u> 	Date:	<u>07 Aug., 2025</u>
Approved by:	<u>Janet Wei</u> Manager	Date:	<u>07 Aug., 2025</u>

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	22 Jul., 2025	Original
01	30 Jul., 2025	Update Page 5
02	07 Aug., 2025	Updated Page 12

2 Contents

Page

Cover Page	1
1 Version	2
2 Contents.....	3
3 General Information.....	4
3.1 Client Information	4
3.2 General Description of E.U.T.	4
3.3 Test Mode and Environment	5
3.4 Description of Test Auxiliary Equipment	5
3.5 Measurement Uncertainty	5
3.6 Additions to, Deviations, or Exclusions from the Method	5
3.7 Laboratory Facility	6
3.8 Laboratory Location.....	6
3.9 Test Instruments List	6
4 Measurement Setup and Procedure	9
4.1 Test Channel	9
4.2 Test Setup	9
4.3 Test Procedure	11
5 Test Results.....	12
5.1 Summary	12
5.1.1 Clause and Data Summary.....	12
5.1.2 Test Limit.....	13
5.2 Antenna Requirement	14
5.3 AC Power Line Conducted Emission	15
5.4 Emissions in Restricted Frequency Bands.....	17
5.5 Emissions in Non-restricted Frequency Bands	33

3 General Information

3.1 Client Information

Applicant:	Shenzhen Tianruixiang Communication Equipment Co.,LTD
Address:	12/F, Building B, Longhua Digital Innovation Center, Longhua District, Shenzhen, China
Manufacturer:	Shenzhen Tianruixiang Communication Equipment Co.,LTD
Address:	12/F, Building B, Longhua Digital Innovation Center, Longhua District, Shenzhen, China
Factory:	Shenzhen Tianruixiang Communication Equipment Co.,LTD
Address:	12/F, Building B, Longhua Digital Innovation Center, Longhua District, Shenzhen, China

3.2 General Description of E.U.T.

Product Name:	Smart Phone
Model No.:	Panther 1
Operation Frequency:	2412 MHz - 2462 MHz (802.11b, g, n-HT20) 2422 MHz - 2452 MHz (802.11n-HT40)
Channel Numbers:	11 (802.11b, g, n-HT20) 7 (802.11n-HT40)
Channel Separation:	5MHz
Modulation Technology: (IEEE 802.11b)	DSSS-DBPSK, DQPSK, CCK
Modulation Technology: (IEEE 802.11g/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM
Antenna Type:	Internal Antenna
Antenna Gain:	0.3 dBi (declare by applicant)
Antenna Transmit Mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.87V, 5150mAh
AC Adapter:	Model: QZ-0180AA2H Input: AC100-240V, 50/60Hz, 0.5A Output: DC 5.0V, 3.0A 15.0W or 9.0V, 2.22A 20.0W Max or 12.0V, 1.67A 20.0W Max
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
Per-scan all kind of data rate, the follow list were the worst case:	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n-HT20	6.5Mbps
802.11n-HT40	13.5Mbps
Remark:	
- For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11b, g, n modulation mode, found 802.11b modulation mode was worse case mode. The report only reflects the test data of worst mode. - Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report. - During the test, the mobile phone dial interface is used to enter the EUT engineering mode, and the prototype transmission power level is set as follows: The 802.11b mode transmission power level is 16, the 802.11g mode prototype transmission power level is 14, and the 802.11n mode prototype transmission power level is 11.	
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.87 Vdc, Extreme: Low 3.50 Vdc, High 4.45 Vdc
Test Engineer:	Hopper Li(Conducted measurement) Robin Gu(Radiated measurement)

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.0 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.4 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	±4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	±5.8 dB
Radiated Emission (1GHz ~ 18GHz) (3m FAR)	5.15 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.30 dB
Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.	

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-03-2025	01-02-2026
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-03-2025	01-02-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-03-2025	01-02-2026
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-16-2024	12-15-2025
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-16-2024	12-15-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	09-09-2024	09-08-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-15-2025	01-14-2026
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-15-2025	01-14-2026
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-15-2025	01-14-2026
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-01-2024	06-30-2025
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	06-16-2024	06-15-2025
				05-23-2025	05-22-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-21-2025	04-20-2026
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-21-2025	04-20-2026
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9020B	WXJ081-1	06-11-2024	06-10-2025
				05-08-2025	05-07-2026
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	06-11-2024	06-10-2025
				05-08-2025	05-07-2026
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	12-17-2024	12-16-2025
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	12-17-2024	12-16-2025
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-15-2025	01-14-2026
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	09-10-2024	09-09-2025
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	12-17-2024	12-16-2026
Power Detector Box	MWRFTTEST	MW100-PSB	WXJ007-4	09-10-2024	09-09-2025
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	
RF Control Unit	MWRFTTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTTEST	MTS 8310	Version: 2.0.0.0		

4 Measurement Setup and Procedure

4.1 Test Channel

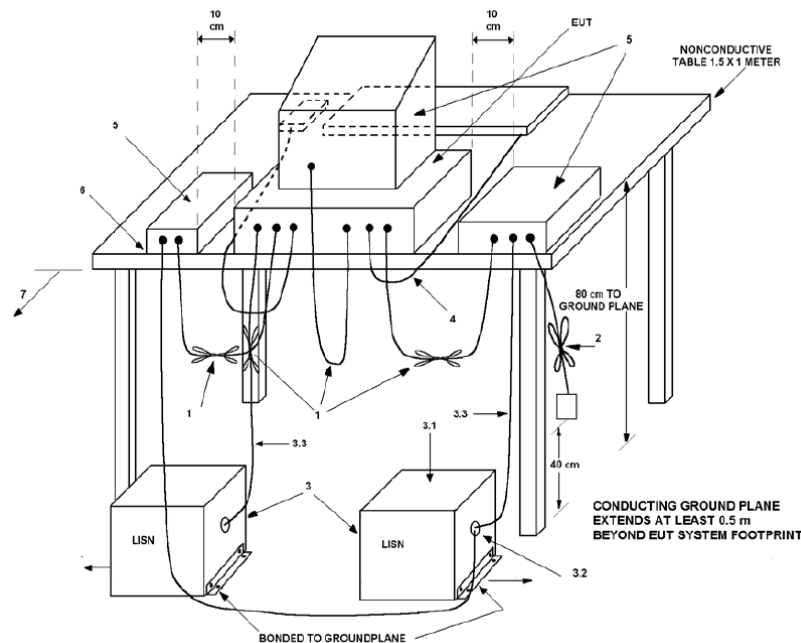
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

802.11b, 802.11g, 802.11n-HT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462

802.11n-HT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
3	2422	6	2437	9	2452

4.2 Test Setup

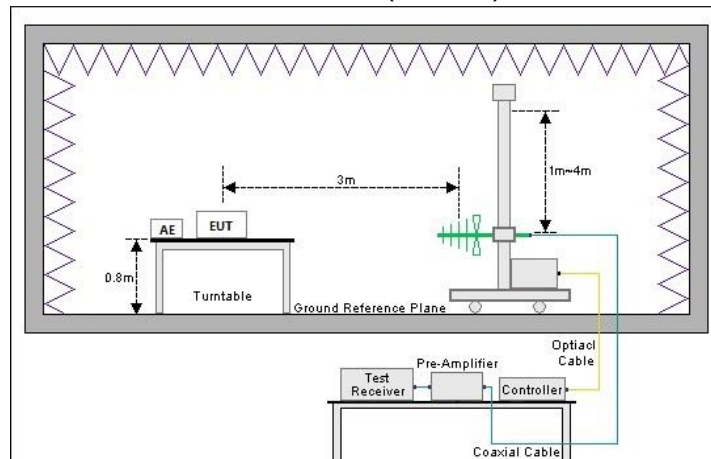
1) Conducted emission measurement:



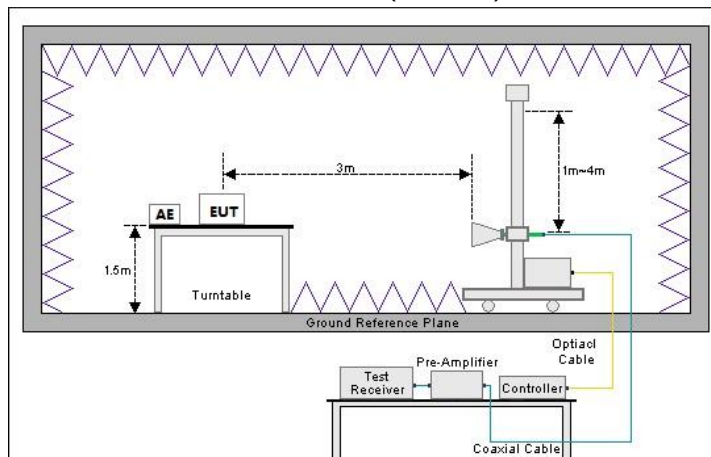
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

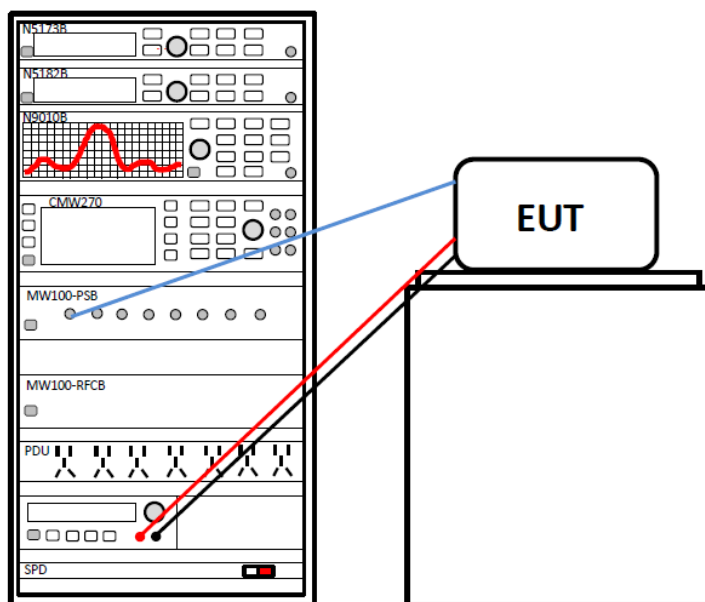
Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



3) Conducted test method



4.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The Wi-Fi antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test Method	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	/	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	ANSI C63.10 clause 6.2	See Section 5.3	Pass
Duty Cycle	ANSI C63.10-2013	ANSI C63.10 clause 11.6	Appendix – 2.4G Wi-Fi	Pass
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 clause 11.9.2.3.2	Appendix – 2.4G Wi-Fi	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	ANSI C63.10 clause 11.8.1 and 6.9.3	Appendix – 2.4G Wi-Fi	Pass
Power Spectral Density	15.247 (e)	ANSI C63.10 clause 11.10.5	Appendix – 2.4G Wi-Fi	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	ANSI C63.10 clause 6.10.4	Appendix – 2.4G Wi-Fi	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	ANSI C63.10 clause 6.10.5, 11.12.1 and 11.12.2.5.2	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	ANSI C63.10 clause 6.3, 6.5, 6.6, 6.2.3 and 11.12.2.5.2	See Section 5.5	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).				
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02			

5.1.2 Test Limit

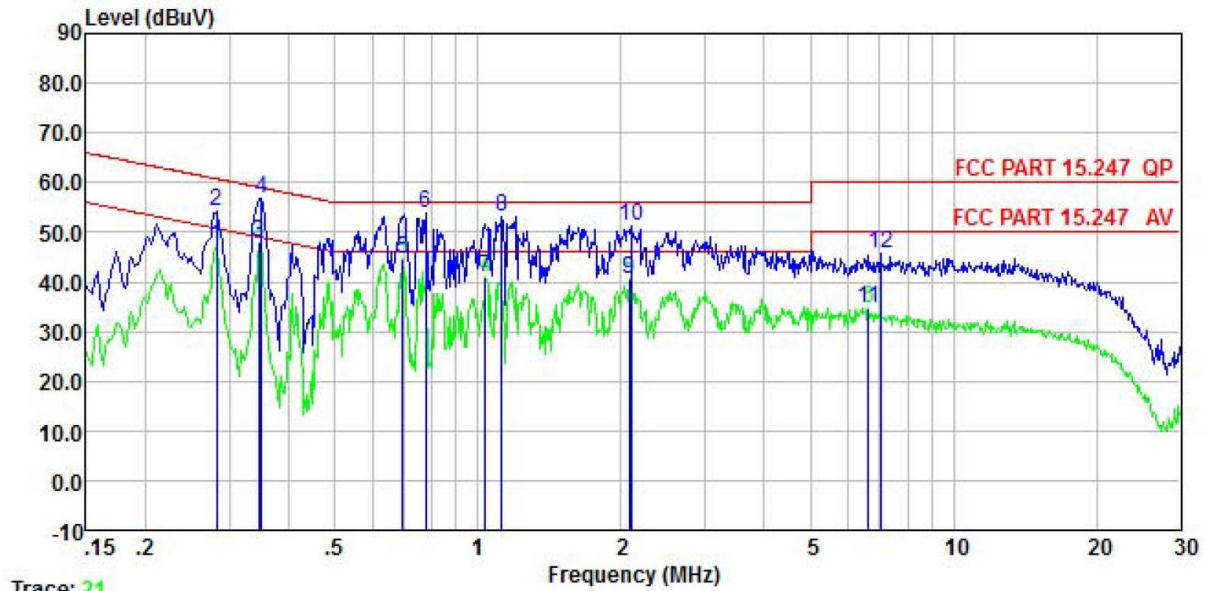
Test items	Limit																														
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> Note 1: The limit level in dBµV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.	Frequency (MHz)	Limit (dBµV)		Quasi-Peak	Average	0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1	0.5 – 5	56	46	5 – 30	60	50																
Frequency (MHz)	Limit (dBµV)																														
	Quasi-Peak	Average																													
0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1																													
0.5 – 5	56	46																													
5 – 30	60	50																													
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.																														
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.																														
99% Occupied Bandwidth	N/A																														
Power Spectral Density	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.																														
Band-edge Emission Conduction Spurious Emission	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).																														
Emissions in Restricted Frequency Bands Emissions in Non-restricted Frequency Bands	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> Note: The more stringent limit applies at transition frequencies. <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> Note: The measurement bandwidth shall be 1 MHz or greater.	Frequency (MHz)	Limit (dBµV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dBµV/m)		Detector																												
	@ 3m	@ 10m																													
30 – 88	40.0	30.0	Quasi-peak																												
88 – 216	43.5	33.5	Quasi-peak																												
216 – 960	46.0	36.0	Quasi-peak																												
960 – 1000	54.0	44.0	Quasi-peak																												
Frequency	Limit (dBµV/m) @ 3m																														
	Average	Peake																													
Above 1 GHz	54.0	74.0																													

5.2 Antenna Requirement

Standard Requirement:	FCC Part 15 C Section 15.203/15.247 (b)(4)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247 (b)(4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
E.U.T Antenna:	
The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 0.3 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	Smart Phone	Product model:	Panther 1
Test by:	Kiran Zeng	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



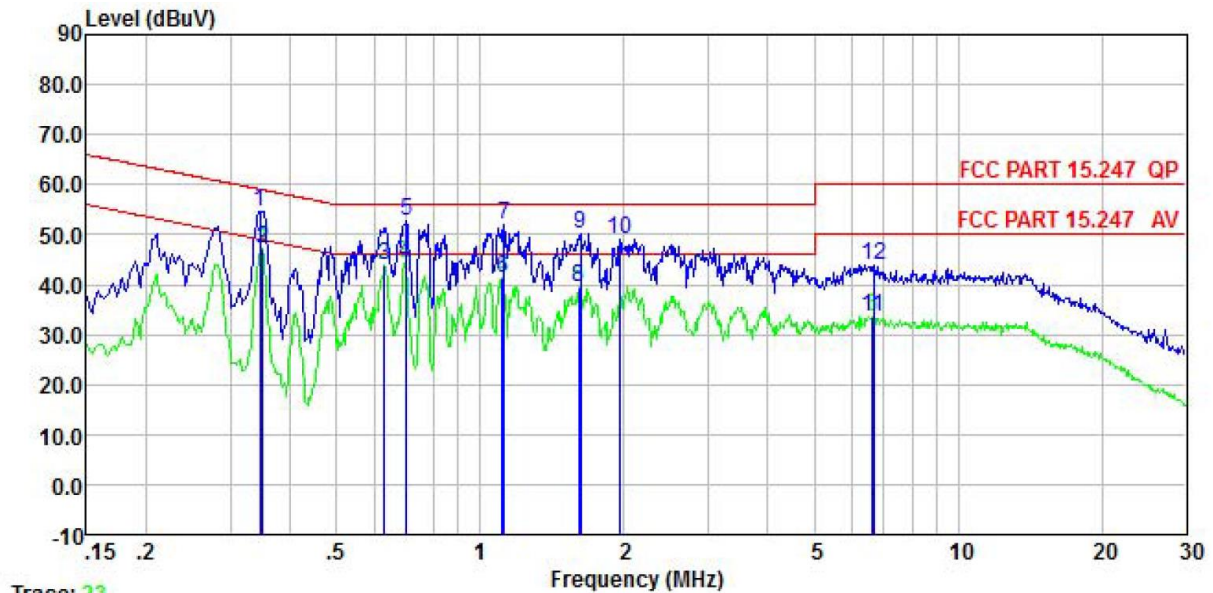
Trace: 21

	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.282	27.15	10.10	0.00	9.88	0.02	47.15	50.76	-3.61	Average
2	0.282	34.12	10.10	0.00	9.88	0.02	54.12	60.76	-6.64	QP
3	0.346	28.01	10.10	0.00	9.88	0.02	48.01	49.05	-1.04	Average
4	0.350	36.84	10.10	0.00	9.88	0.02	56.84	58.96	-2.12	QP
5	0.694	24.37	10.15	0.00	9.88	0.03	44.43	46.00	-1.57	Average
6	0.775	33.82	10.11	0.00	9.88	0.03	53.84	56.00	-2.16	QP
7	1.037	20.90	10.20	0.00	9.88	0.06	41.04	46.00	-4.96	Average
8	1.123	33.13	10.18	0.00	9.88	0.08	53.27	56.00	-2.73	QP
9	2.077	20.39	10.12	0.00	9.88	0.20	40.59	46.00	-5.41	Average
10	2.110	31.05	10.13	0.00	9.88	0.19	51.25	56.00	-4.75	QP
11	6.627	14.21	10.38	0.00	9.90	0.10	34.59	50.00	-15.41	Average
12	7.025	25.15	10.40	0.00	9.90	0.10	45.55	60.00	-14.45	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Smart Phone	Product model:	Panther 1
Test by:	Kiran Zeng	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



Trace: 23

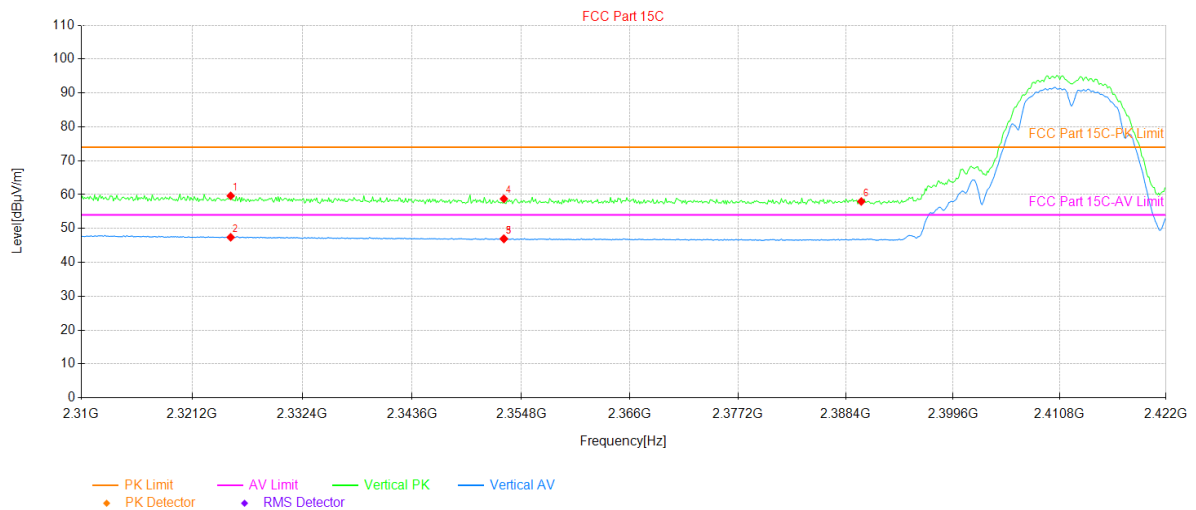
	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.346	34.69	10.12	0.00	9.88	0.02	54.71	59.05	-4.34	QP
2	0.350	27.34	10.12	0.00	9.88	0.02	47.36	48.96	-1.60	Average
3	0.630	23.82	10.30	0.00	9.88	0.02	44.02	46.00	-1.98	Average
4	0.697	24.12	10.30	0.00	9.88	0.03	44.33	46.00	-1.67	Average
5	0.701	32.50	10.30	0.00	9.88	0.03	52.71	56.00	-3.29	QP
6	1.111	21.00	10.22	0.00	9.88	0.07	41.17	46.00	-4.83	Average
7	1.123	31.75	10.22	0.00	9.88	0.08	51.93	56.00	-4.07	QP
8	1.610	19.06	10.27	0.00	9.88	0.16	39.37	46.00	-6.63	Average
9	1.619	29.98	10.27	0.00	9.88	0.16	50.29	56.00	-5.71	QP
10	1.959	28.81	10.30	0.00	9.88	0.21	49.20	56.00	-6.80	QP
11	6.627	13.21	10.28	0.00	9.90	0.10	33.49	50.00	-16.51	Average
12	6.662	23.70	10.29	0.00	9.90	0.10	43.99	60.00	-16.01	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.4 Emissions in Restricted Frequency Bands

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



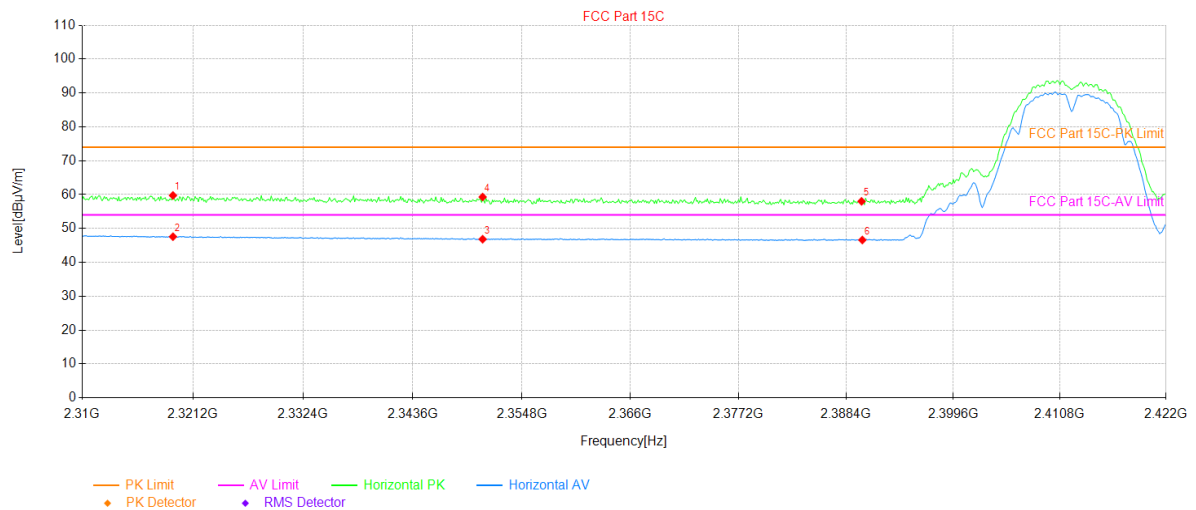
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2325.12	23.31	36.32	59.63	74.00	14.37	214	PK	PASS	Vertical
2	2325.12	11.08	36.32	47.40	54.00	6.60	282	AV	PASS	Vertical
3	2353.01	10.98	35.97	46.95	54.00	7.05	244	AV	PASS	Vertical
4	2353.01	22.78	35.97	58.75	74.00	15.25	282	PK	PASS	Vertical
5	2353.01	10.98	35.97	46.95	54.00	7.05	244	AV	PASS	Vertical
6	2390.00	22.04	35.93	57.97	74.00	16.03	94	PK	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



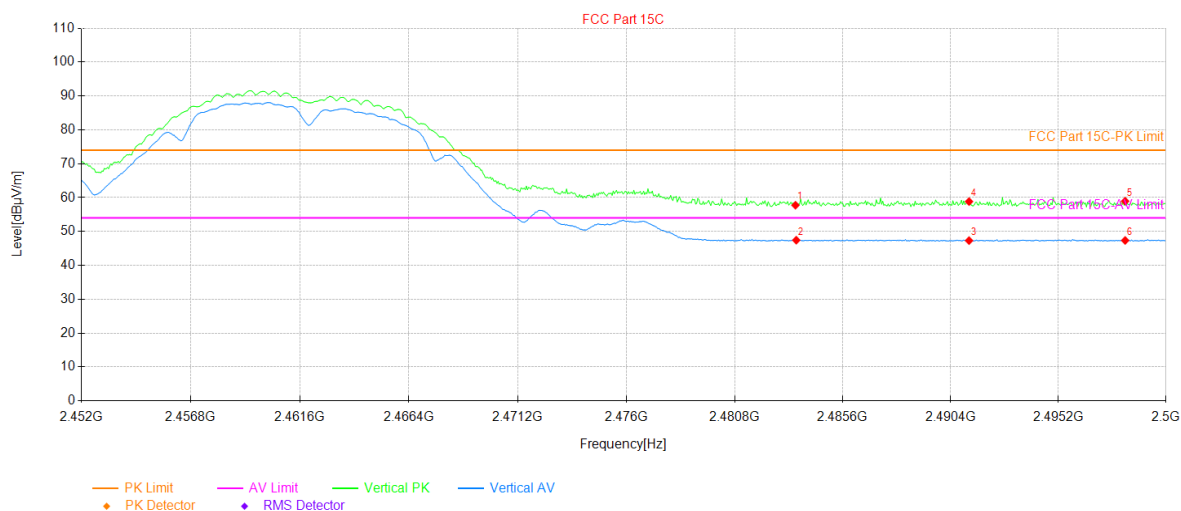
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2319.18	23.34	36.41	59.75	74.00	14.25	23	PK	PASS	Horizontal
2	2319.18	11.16	36.41	47.57	54.00	6.43	0	AV	PASS	Horizontal
3	2350.77	10.86	35.97	46.83	54.00	7.17	246	AV	PASS	Horizontal
4	2350.77	23.32	35.97	59.29	74.00	14.71	219	PK	PASS	Horizontal
5	2390.00	22.08	35.93	58.01	74.00	15.99	306	PK	PASS	Horizontal
6	2390.08	10.68	35.93	46.61	54.00	7.39	146	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



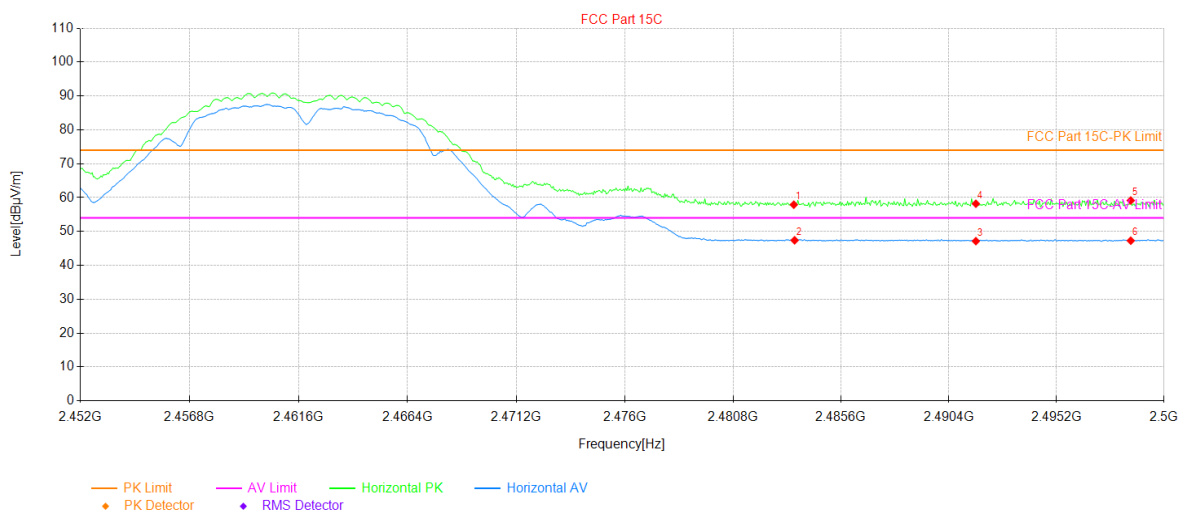
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	21.01	36.74	57.75	74.00	16.25	250	PK	PASS	Vertical
2	2483.54	10.69	36.74	47.43	54.00	6.57	110	AV	PASS	Vertical
3	2491.22	10.55	36.76	47.31	54.00	6.69	240	AV	PASS	Vertical
4	2491.22	22.07	36.76	58.83	74.00	15.17	80	PK	PASS	Vertical
5	2498.18	22.16	36.77	58.93	74.00	15.07	160	PK	PASS	Vertical
6	2498.18	10.59	36.77	47.36	54.00	6.64	100	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



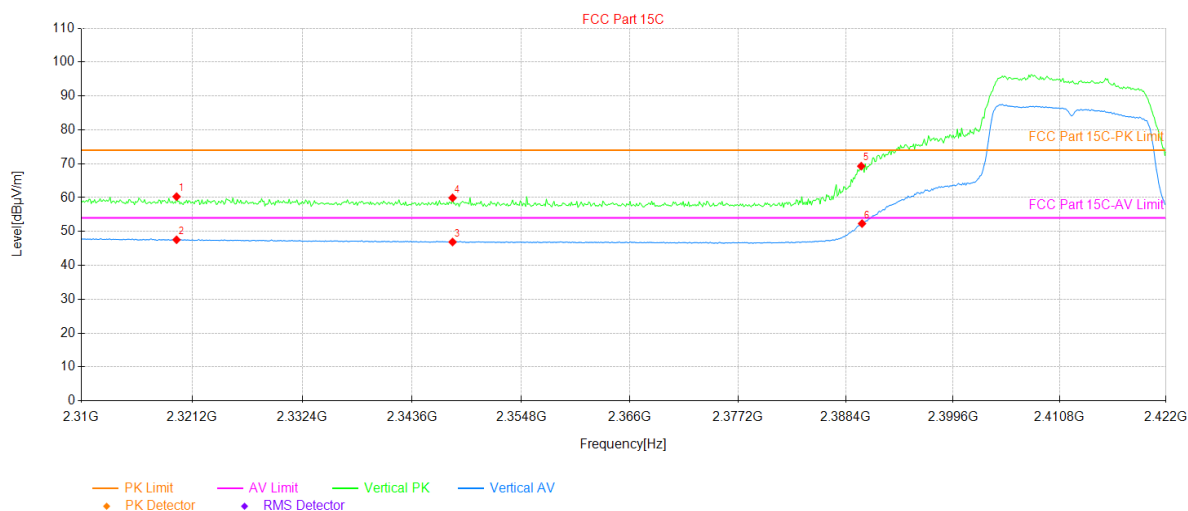
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	21.16	36.74	57.90	74.00	16.10	250	PK	PASS	Horizontal
2	2483.54	10.66	36.74	47.40	54.00	6.60	60	AV	PASS	Horizontal
3	2491.60	10.40	36.76	47.16	54.00	6.84	310	AV	PASS	Horizontal
4	2491.60	21.43	36.76	58.19	74.00	15.81	330	PK	PASS	Horizontal
5	2498.51	22.37	36.77	59.14	74.00	14.86	190	PK	PASS	Horizontal
6	2498.51	10.51	36.77	47.28	54.00	6.72	260	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



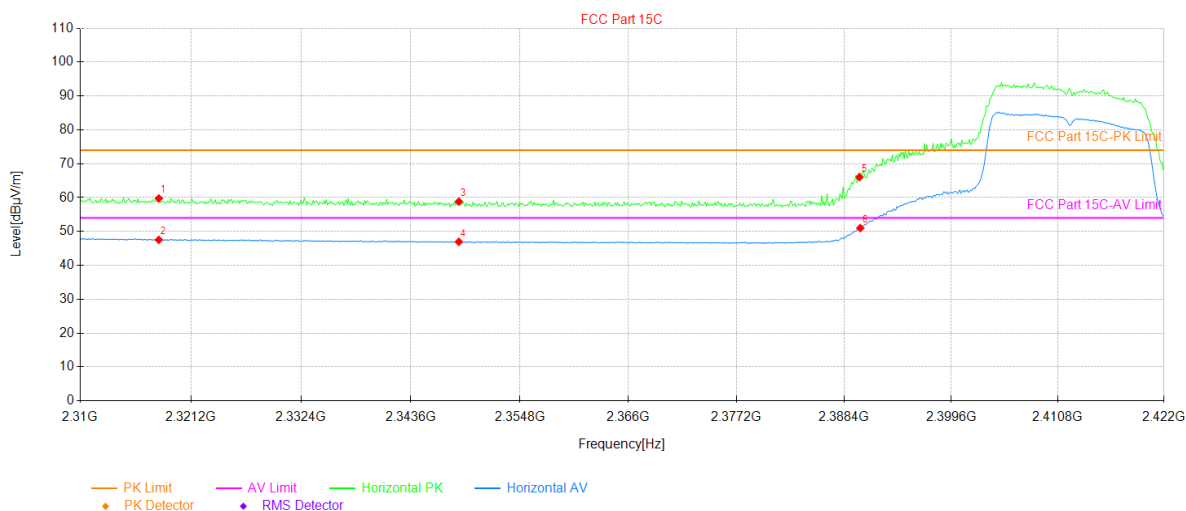
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2319.63	23.88	36.41	60.29	74.00	13.71	60	PK	PASS	Vertical
2	2319.63	11.15	36.41	47.56	54.00	6.44	323	AV	PASS	Vertical
3	2347.74	10.90	36.00	46.90	54.00	7.10	218	AV	PASS	Vertical
4	2347.74	23.92	36.00	59.92	74.00	14.08	304	PK	PASS	Vertical
5	2390.00	33.35	35.93	69.28	74.00	4.72	113	PK	PASS	Vertical
6	2390.08	16.40	35.93	52.33	54.00	1.67	83	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



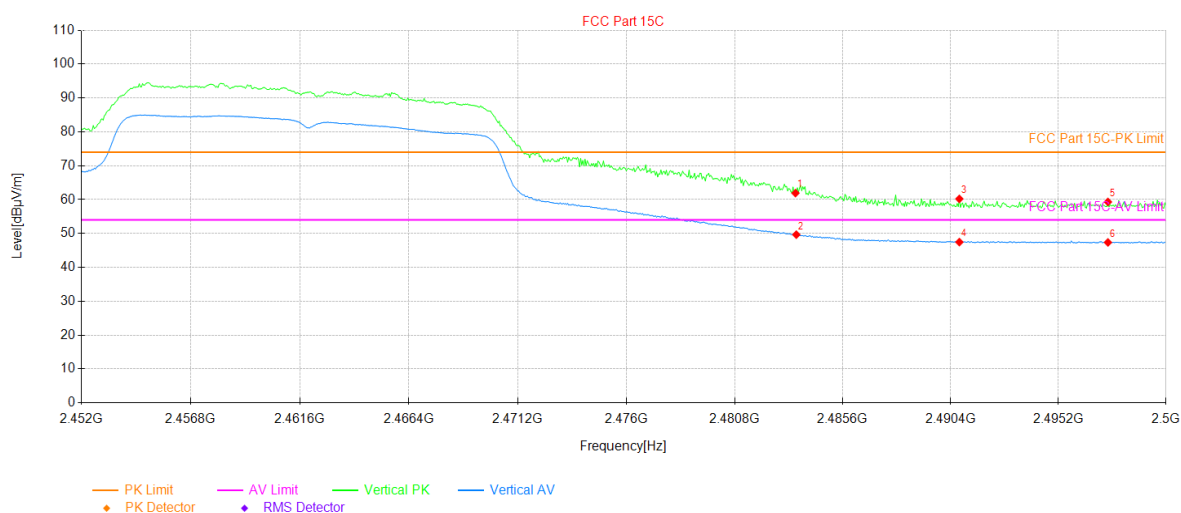
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2317.95	23.32	36.44	59.76	74.00	14.24	79	PK	PASS	Horizontal
2	2317.95	11.09	36.44	47.53	54.00	6.47	52	AV	PASS	Horizontal
3	2348.53	22.82	35.99	58.81	74.00	15.19	277	PK	PASS	Horizontal
4	2348.53	10.96	35.99	46.95	54.00	7.05	112	AV	PASS	Horizontal
5	2390.00	30.13	35.93	66.06	74.00	7.94	138	PK	PASS	Horizontal
6	2390.08	15.07	35.93	51.00	54.00	3.00	138	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



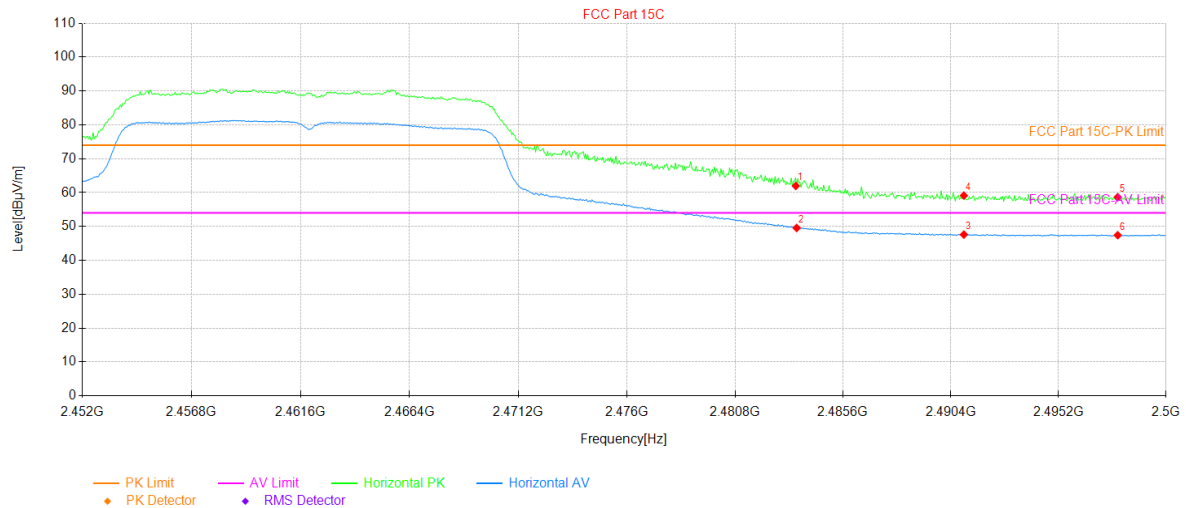
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	25.18	36.74	61.92	74.00	12.08	70	PK	PASS	Vertical
2	2483.54	12.91	36.74	49.65	54.00	4.35	20	AV	PASS	Vertical
3	2490.78	23.46	36.76	60.22	74.00	13.78	110	PK	PASS	Vertical
4	2490.78	10.70	36.76	47.46	54.00	6.54	310	AV	PASS	Vertical
5	2497.41	22.53	36.78	59.31	74.00	14.69	340	PK	PASS	Vertical
6	2497.41	10.58	36.78	47.36	54.00	6.64	30	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



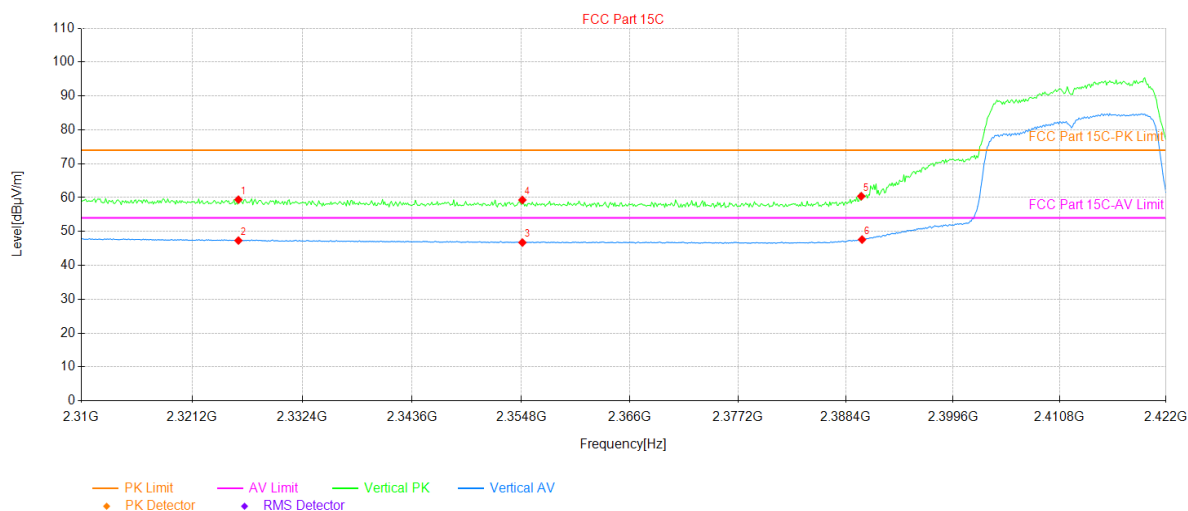
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	25.24	36.74	61.98	74.00	12.02	330	PK	PASS	Horizontal
2	2483.54	12.82	36.74	49.56	54.00	4.44	330	AV	PASS	Horizontal
3	2490.98	10.85	36.76	47.61	54.00	6.39	300	AV	PASS	Horizontal
4	2490.98	22.35	36.76	59.11	74.00	14.89	90	PK	PASS	Horizontal
5	2497.84	21.88	36.77	58.65	74.00	15.35	150	PK	PASS	Horizontal
6	2497.84	10.65	36.77	47.42	54.00	6.58	60	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



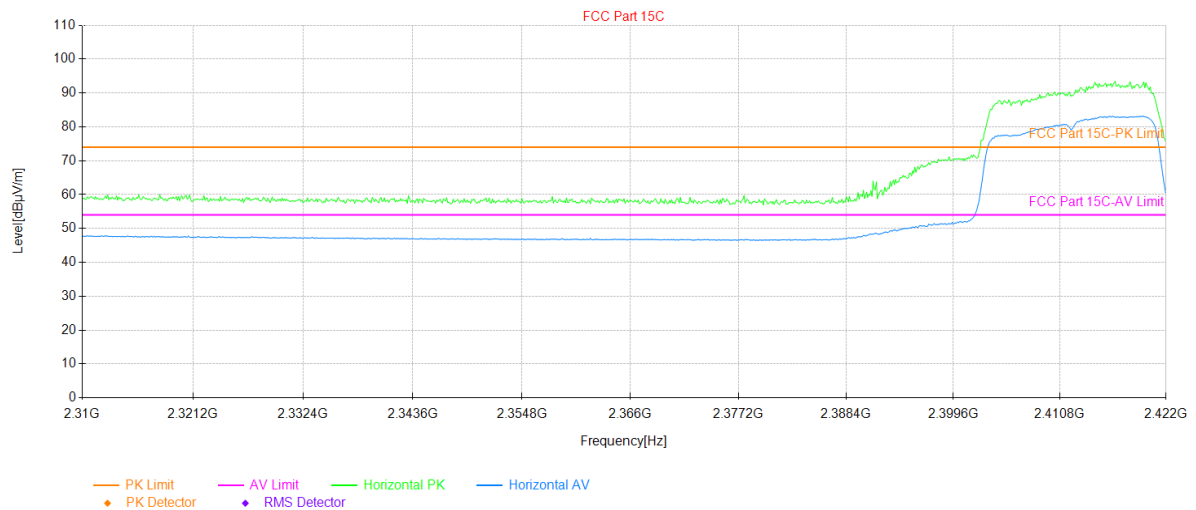
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2325.90	23.09	36.31	59.40	74.00	14.60	34	PK	PASS	Vertical
2	2325.90	11.02	36.31	47.33	54.00	6.67	272	AV	PASS	Vertical
3	2354.91	10.77	35.96	46.73	54.00	7.27	84	AV	PASS	Vertical
4	2354.91	23.33	35.96	59.29	74.00	14.71	159	PK	PASS	Vertical
5	2390.00	24.48	35.93	60.41	74.00	13.59	140	PK	PASS	Vertical
6	2390.08	11.69	35.93	47.62	54.00	6.38	125	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



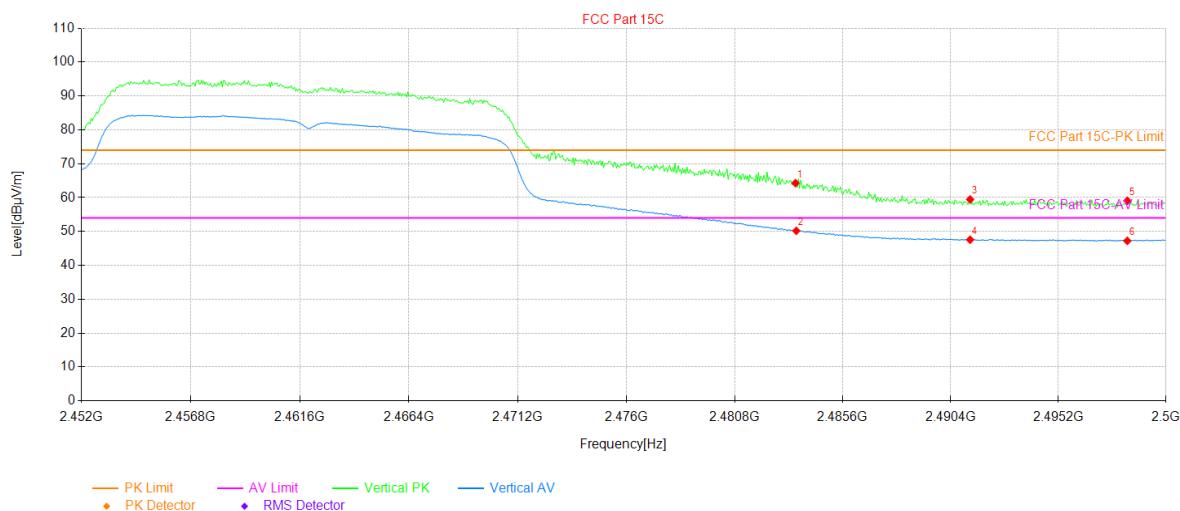
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2317.84	23.60	36.44	60.04	74.00	13.96	240	PK	PASS	Horizontal
2	2317.84	11.14	36.44	47.58	54.00	6.42	55	AV	PASS	Horizontal
3	2351.10	23.04	35.97	59.01	74.00	14.99	172	PK	PASS	Horizontal
4	2351.10	10.99	35.97	46.96	54.00	7.04	345	AV	PASS	Horizontal
5	2390.00	23.49	35.93	59.42	74.00	14.58	161	PK	PASS	Horizontal
6	2390.08	11.77	35.93	47.70	54.00	6.30	150	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		

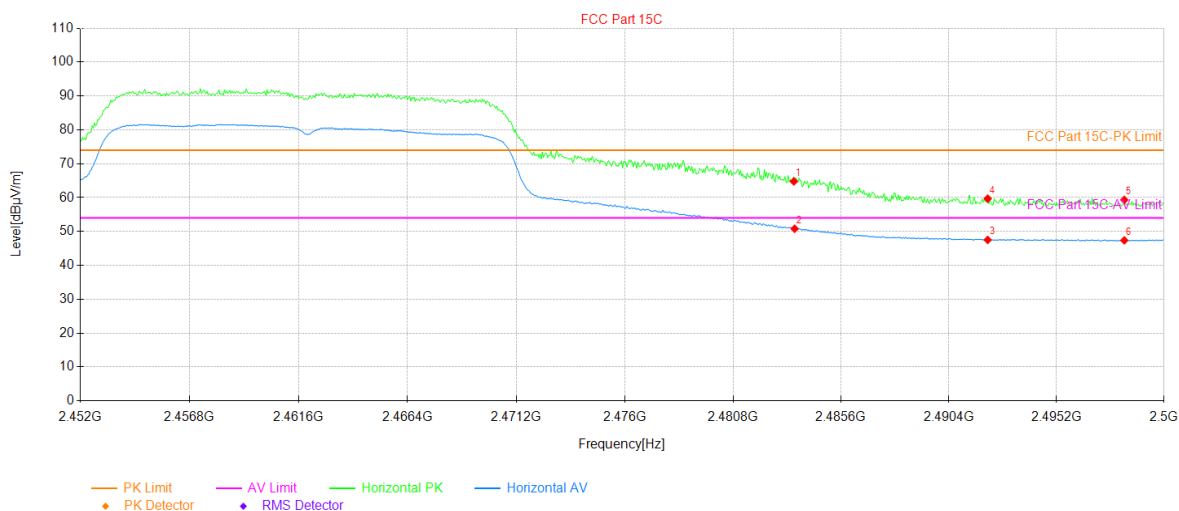


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	27.53	36.74	64.27	74.00	9.73	220	PK	PASS	Vertical
2	2483.54	13.45	36.74	50.19	54.00	3.81	330	AV	PASS	Vertical
3	2491.26	22.70	36.76	59.46	74.00	14.54	250	PK	PASS	Vertical
4	2491.26	10.81	36.76	47.57	54.00	6.43	310	AV	PASS	Vertical
5	2498.27	22.30	36.77	59.07	74.00	14.93	210	PK	PASS	Vertical
6	2498.27	10.46	36.77	47.23	54.00	6.77	60	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



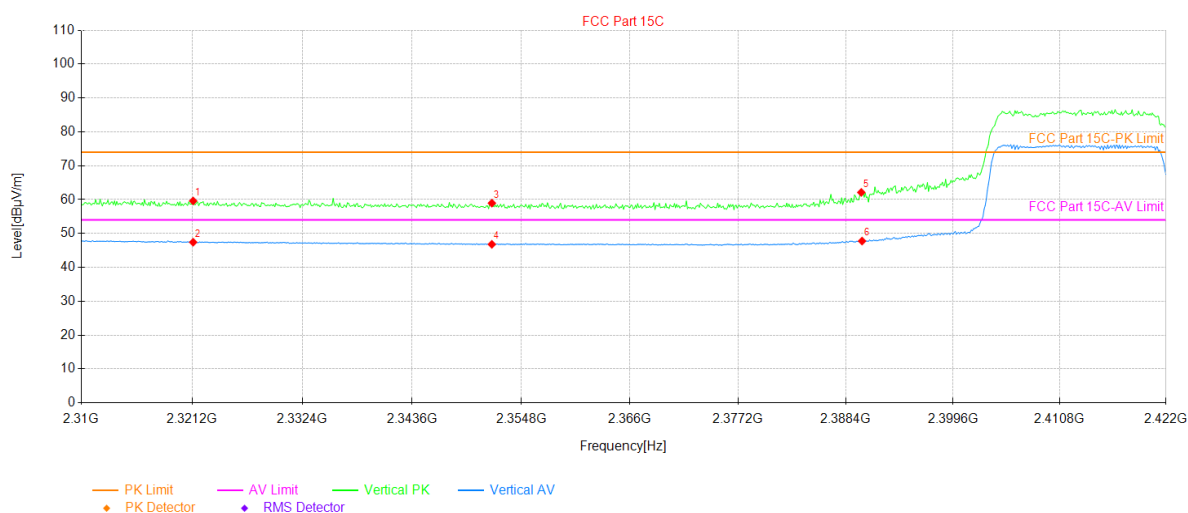
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	28.05	36.74	64.79	74.00	9.21	320	PK	PASS	Horizontal
2	2483.54	14.07	36.74	50.81	54.00	3.19	230	AV	PASS	Horizontal
3	2492.13	10.75	36.76	47.51	54.00	6.49	190	AV	PASS	Horizontal
4	2492.13	22.93	36.76	59.69	74.00	14.31	100	PK	PASS	Horizontal
5	2498.22	22.56	36.77	59.33	74.00	14.67	10	PK	PASS	Horizontal
6	2498.22	10.61	36.77	47.38	54.00	6.62	110	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



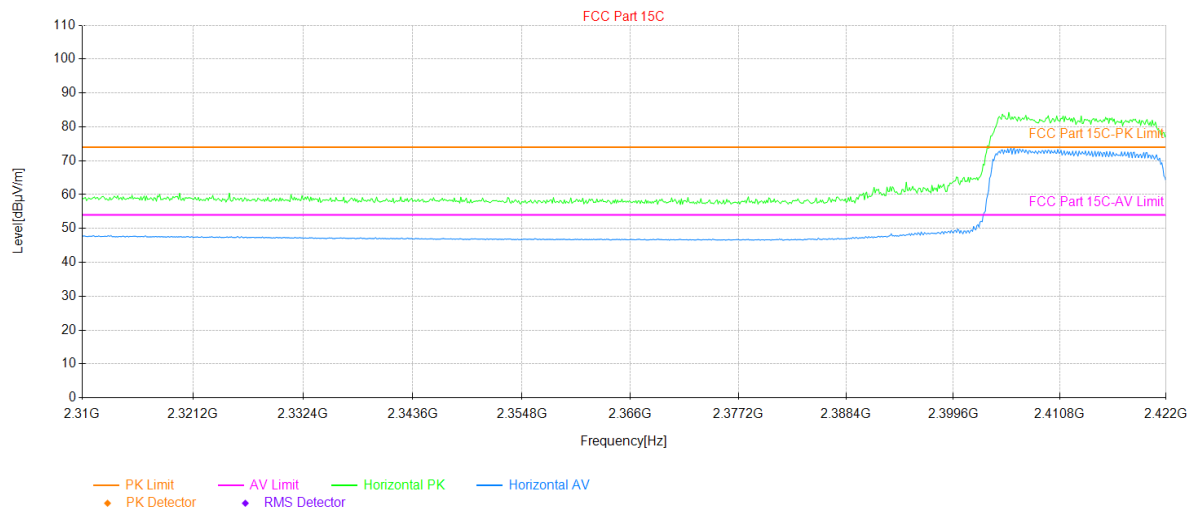
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2321.31	23.22	36.38	59.60	74.00	14.40	72	PK	PASS	Vertical
2	2321.31	11.04	36.38	47.42	54.00	6.58	245	AV	PASS	Vertical
3	2351.78	22.99	35.97	58.96	74.00	15.04	279	PK	PASS	Vertical
4	2351.78	10.83	35.97	46.80	54.00	7.20	358	AV	PASS	Vertical
5	2390.00	26.19	35.93	62.12	74.00	11.88	140	PK	PASS	Vertical
6	2390.08	11.84	35.93	47.77	54.00	6.23	121	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		

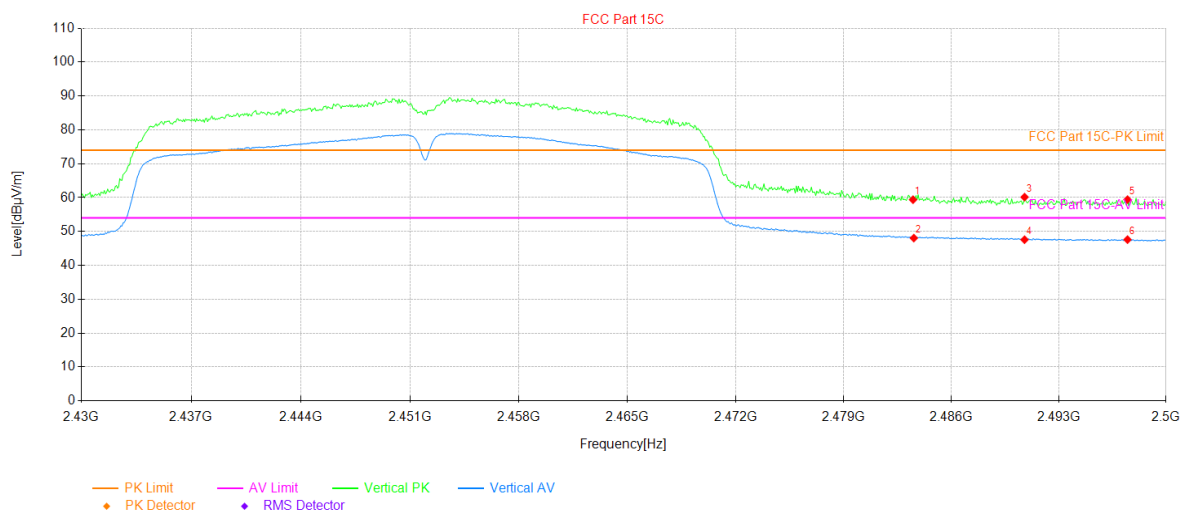


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2319.86	24.01	36.40	60.41	74.00	13.59	52	PK	PASS	Horizontal
2	2319.86	11.14	36.40	47.54	54.00	6.46	277	AV	PASS	Horizontal
3	2353.34	23.15	35.97	59.12	74.00	14.88	202	PK	PASS	Horizontal
4	2353.34	10.96	35.97	46.93	54.00	7.07	358	AV	PASS	Horizontal
5	2390.00	23.96	35.93	59.89	74.00	14.11	179	PK	PASS	Horizontal
6	2390.08	11.38	35.93	47.31	54.00	6.69	164	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



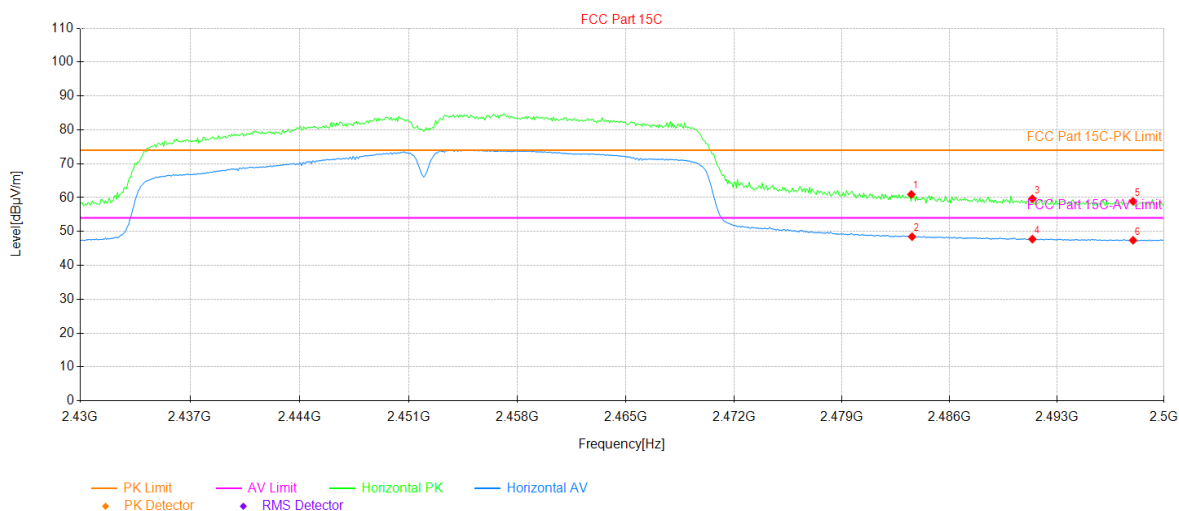
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.64	36.74	59.38	74.00	14.62	200	PK	PASS	Vertical
2	2483.55	11.31	36.74	48.05	54.00	5.95	120	AV	PASS	Vertical
3	2490.76	23.38	36.76	60.14	74.00	13.86	340	PK	PASS	Vertical
4	2490.76	10.82	36.76	47.58	54.00	6.42	0	AV	PASS	Vertical
5	2497.48	22.62	36.78	59.40	74.00	14.60	30	PK	PASS	Vertical
6	2497.48	10.82	36.78	47.60	54.00	6.40	260	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Robin Gu	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	24.21	36.74	60.95	74.00	13.05	360	PK	PASS	Horizontal
2	2483.55	11.72	36.74	48.46	54.00	5.54	150	AV	PASS	Horizontal
3	2491.39	22.90	36.76	59.66	74.00	14.34	270	PK	PASS	Horizontal
4	2491.39	10.97	36.76	47.73	54.00	6.27	140	AV	PASS	Horizontal
5	2497.97	22.11	36.77	58.88	74.00	15.12	190	PK	PASS	Horizontal
6	2497.97	10.63	36.77	47.40	54.00	6.60	320	AV	PASS	Horizontal

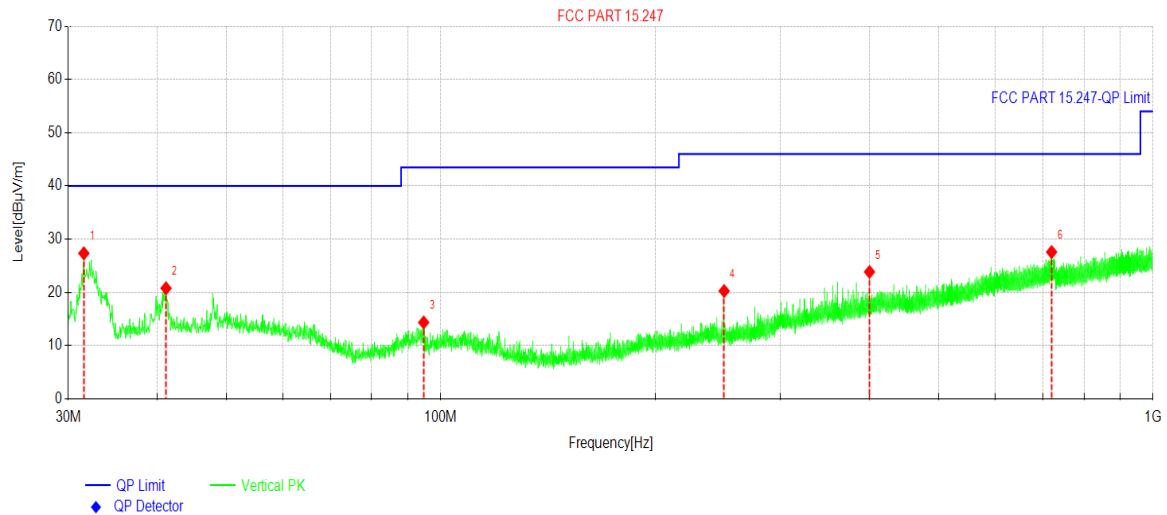
Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

5.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Kiran Zeng	Test mode:	2.4G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.87V		



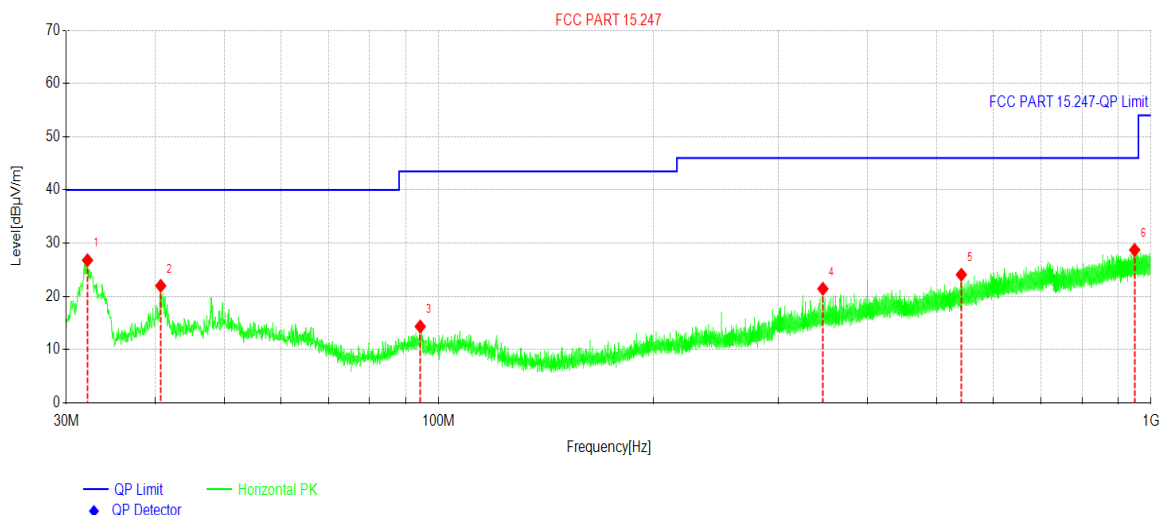
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	31.5521	42.95	-15.60	27.35	40.00	12.65	PK	Vertical
2	41.1556	33.72	-12.94	20.78	40.00	19.22	PK	Vertical
3	94.6537	29.46	-15.10	14.36	43.50	29.14	PK	Vertical
4	250.0070	33.86	-13.59	20.27	46.00	25.73	PK	Vertical
5	399.9765	34.22	-10.36	23.86	46.00	22.14	PK	Vertical
6	720.5290	32.32	-4.73	27.59	46.00	18.41	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor)

Product Name:	Smart Phone	Product Model:	Panther 1
Test By:	Kiran Zeng	Test mode:	2.4G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

NO.	Freq. [MHz]	Reading[dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	32.1341	42.43	-15.63	26.80	40.00	13.20	PK	Horizontal
2	40.7190	35.06	-13.07	21.99	40.00	18.01	PK	Horizontal
3	94.2172	29.58	-15.23	14.35	43.50	29.15	PK	Horizontal
4	346.2358	32.80	-11.37	21.43	46.00	24.57	PK	Horizontal
5	541.7491	31.98	-7.90	24.08	46.00	21.92	PK	Horizontal
6	948.6844	30.64	-1.91	28.73	46.00	17.27	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor)

Above 1GHz

802.11b						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.55	-7.82	44.73	74.00	29.27	Vertical
4824.00	52.19	-7.82	44.37	74.00	29.63	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	46.13	-7.82	38.31	54.00	15.69	Vertical
4824.00	45.37	-7.82	37.55	54.00	16.45	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.24	-7.50	44.74	74.00	29.26	Vertical
4874.00	51.71	-7.50	44.21	74.00	29.79	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	45.76	-7.50	38.26	54.00	15.74	Vertical
4874.00	44.88	-7.50	37.38	54.00	16.62	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.22	-7.21	45.01	74.00	28.99	Vertical
4924.00	51.92	-7.21	44.71	74.00	29.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	45.89	-7.21	38.68	54.00	15.32	Vertical
4924.00	44.95	-7.21	37.74	54.00	16.26	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

802.11g						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.33	-7.82	44.51	74.00	29.49	Vertical
4824.00	51.77	-7.82	43.95	74.00	30.05	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	45.80	-7.82	37.98	54.00	16.02	Vertical
4824.00	45.16	-7.82	37.34	54.00	16.66	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.23	-7.50	44.73	74.00	29.27	Vertical
4874.00	51.73	-7.50	44.23	74.00	29.77	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	45.66	-7.50	38.16	54.00	15.84	Vertical
4874.00	44.88	-7.50	37.38	54.00	16.62	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.06	-7.21	44.85	74.00	29.15	Vertical
4924.00	51.92	-7.21	44.71	74.00	29.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	45.73	-7.21	38.52	54.00	15.48	Vertical
4924.00	45.06	-7.21	37.85	54.00	16.15	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.19	-7.82	44.37	74.00	29.63	Vertical
4824.00	51.70	-7.82	43.88	74.00	30.12	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	45.72	-7.82	37.90	54.00	16.10	Vertical
4824.00	45.08	-7.82	37.26	54.00	16.74	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.06	-7.50	44.56	74.00	29.44	Vertical
4874.00	51.76	-7.50	44.26	74.00	29.74	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	45.83	-7.50	38.33	54.00	15.67	Vertical
4874.00	44.95	-7.50	37.45	54.00	16.55	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.17	-7.21	44.96	74.00	29.04	Vertical
4924.00	51.78	-7.21	44.57	74.00	29.43	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	45.85	-7.21	38.64	54.00	15.36	Vertical
4924.00	45.07	-7.21	37.86	54.00	16.14	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	52.33	-7.65	44.68	74.00	29.32	Vertical
4844.00	51.79	-7.65	44.14	74.00	29.86	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	45.79	-7.65	38.14	54.00	15.86	Vertical
4844.00	45.17	-7.65	37.52	54.00	16.48	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.27	-7.50	44.77	74.00	29.23	Vertical
4874.00	51.81	-7.50	44.31	74.00	29.69	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	45.78	-7.50	38.28	54.00	15.72	Vertical
4874.00	45.06	-7.50	37.56	54.00	16.44	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	52.14	-7.35	44.79	74.00	29.21	Vertical
4904.00	51.83	-7.35	44.48	74.00	29.52	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	45.83	-7.35	38.48	54.00	15.52	Vertical
4904.00	44.94	-7.35	37.59	54.00	16.41	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

-----End of report-----