

FCC RF Test Report

(DTS)

Report No.: JYTSZ-R12-2501187

Applicant: Voxx Electronics Corporation

Address of Applicant: 2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA

Equipment Under Test (EUT)

Product Name: 7858VHD

Model No.: 7858VHD

Trade Mark: N/A

FCC ID: EZS7858VHD

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

Date of Sample Receipt: 01 Jul., 2025

Date of Test: 02 Jul., to 19 Aug., 2025

Date of Report Issued: 01 Sep., 2025

Test Result: PASS

Tested by:

Project Engineer

Date:

01 Sep., 2025

Reviewed by:

Senior Engineer

Date:

01 Sep., 2025

Approved by:

Manager

Date:

01 Sep., 2025



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	20 Aug., 2025	Original
01	01 Sep., 2025	Update page 17,18

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3 General Information

3.1 Client Information

Applicant:	Voxx Electronics Corporation
Address:	2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA
Manufacturer:	Nutek Coroproration
Address:	no. 167, Lane 235, Bauchiau Rd, Xindian District, New Taeipi City 23145, Taiwan
Factory:	Voxx Automotive Corporation
Address:	2351 J. Lawson Blvd, Orlando, FL 32824 - USA

3.2 General Description of E.U.T.

Product Name:	7858VHD
Model No.:	7858VHD
Operation Frequency:	908 MHz – 922 MHz
Channel Numbers:	8
Channel Separation:	2MHz
Modulation Technology:	DSSS
Antenna Type:	Internal Antenna
Antenna Gain:	2.15dBi (declare by applicant)
Power Supply:	Rechargeable Li-ion Battery DC3.7V, 100mAh
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Test Environment

Test Mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.70 Vdc, Extreme: Low 3.30 Vdc, High 4.35 Vdc
Test Engineer:	Robin.Gu(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 ~ 6GHz) (3m SAC)	±4.5 dB
Radiated Emission (6GHz ~ 18GHz) (3m SAC)	4.7 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	5.34 dB
Radiated Emission (30MHz ~ 1GHz) (3m FAR)	3.39 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	04-24-2025	04-23-2026
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	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	05-08-2025	05-07-2026
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
				07-28-2025	07-27-2026
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
				07-28-2025	07-27-2026
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
				07-28-2025	07-27-2026
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	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	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-16-2024	12-15-2025
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	09-10-2024	09-09-2025
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	

4 Measurement Setup and Procedure

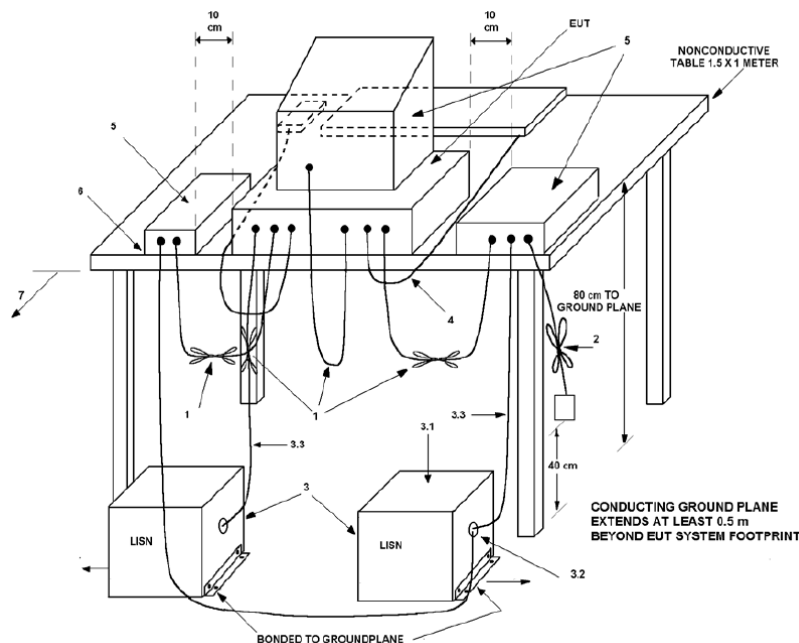
4.1 Test Channel

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:

Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	908	4	916	7	922

4.2 Test Setup

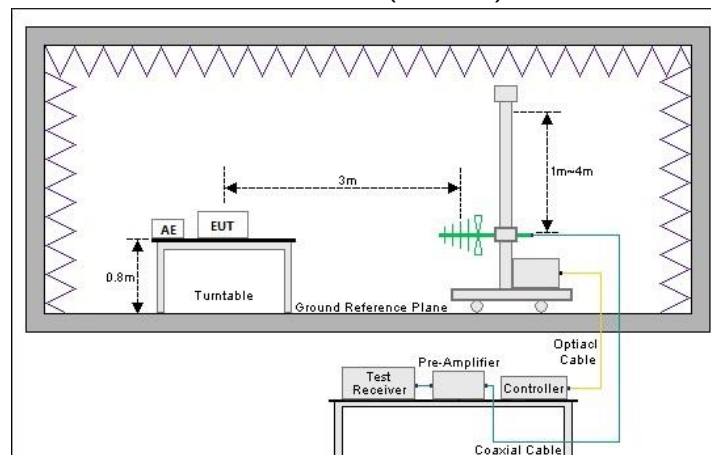
1) Conducted emission measurement:

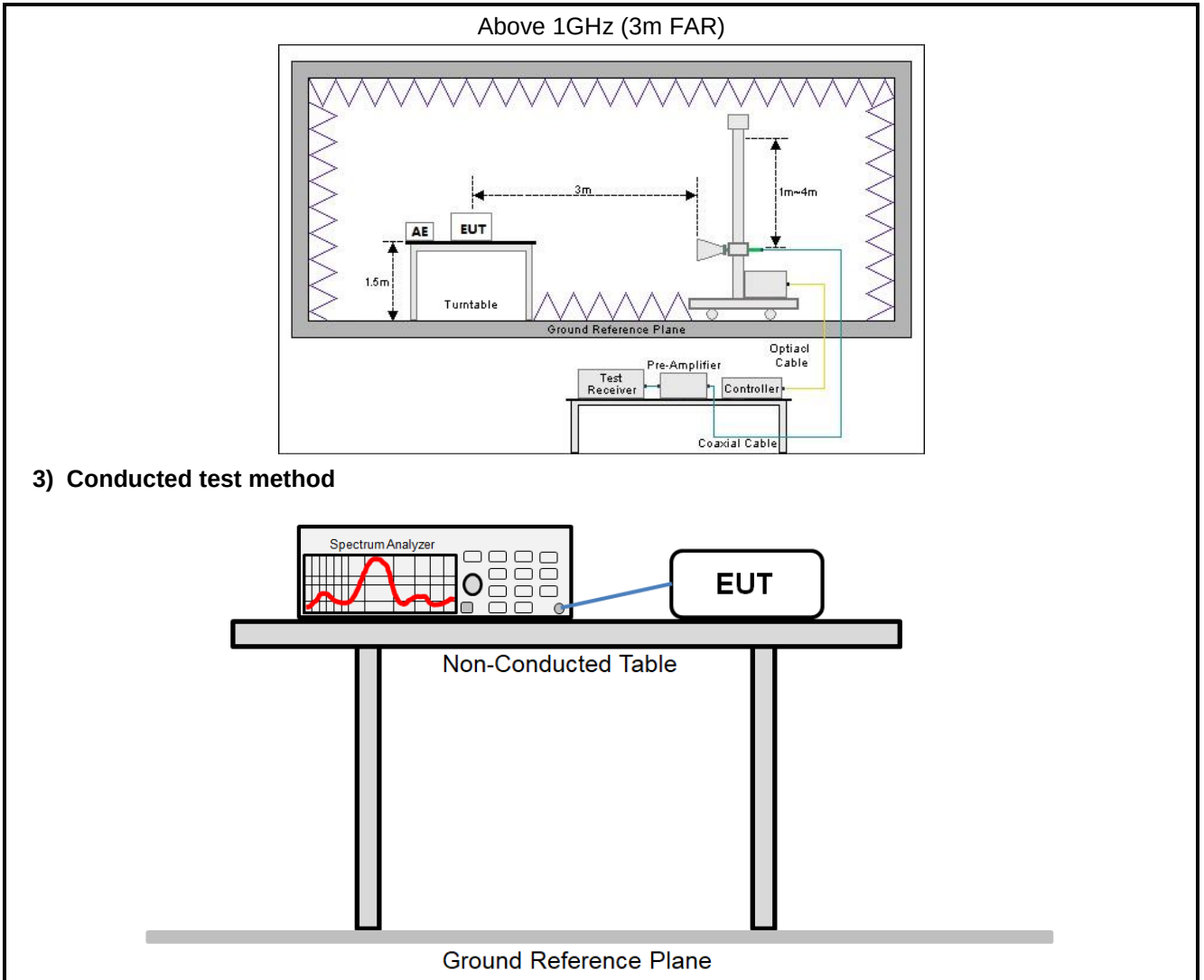


Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (3m SAC)





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 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 data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
Conducted Output Power	15.247 (b)(3)	See Section 5.4	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	See Section 5.5	Pass
Power Spectral Density	15.247 (e)	See Section 5.6	Pass
Spurious Emission	15.205 15.209 15.247 (d)	See Section 5.7	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 C63.10-2020 KDB 558074 D01 15.247 Meas Guidance v05r02		

5.1.2 Test Limit

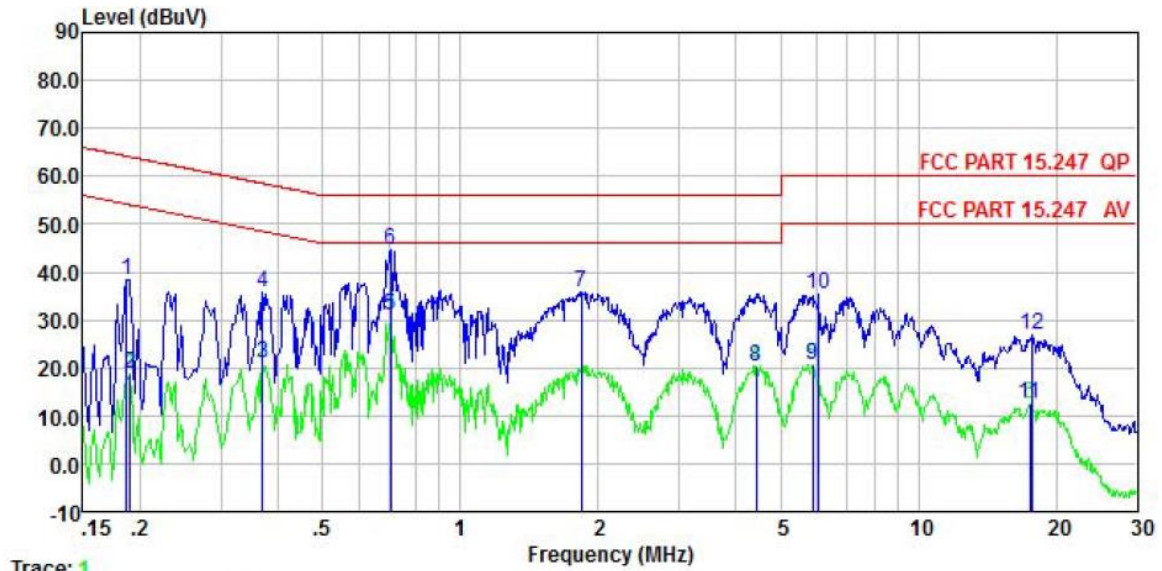
Test items	Limit																														
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</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.																														
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)): <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																												
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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 /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: (4) 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 EUT antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.56 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	7858VHD	Product model:	7858VHD
Test by:	Kiran Zeng	Test mode:	Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120V/60Hz		

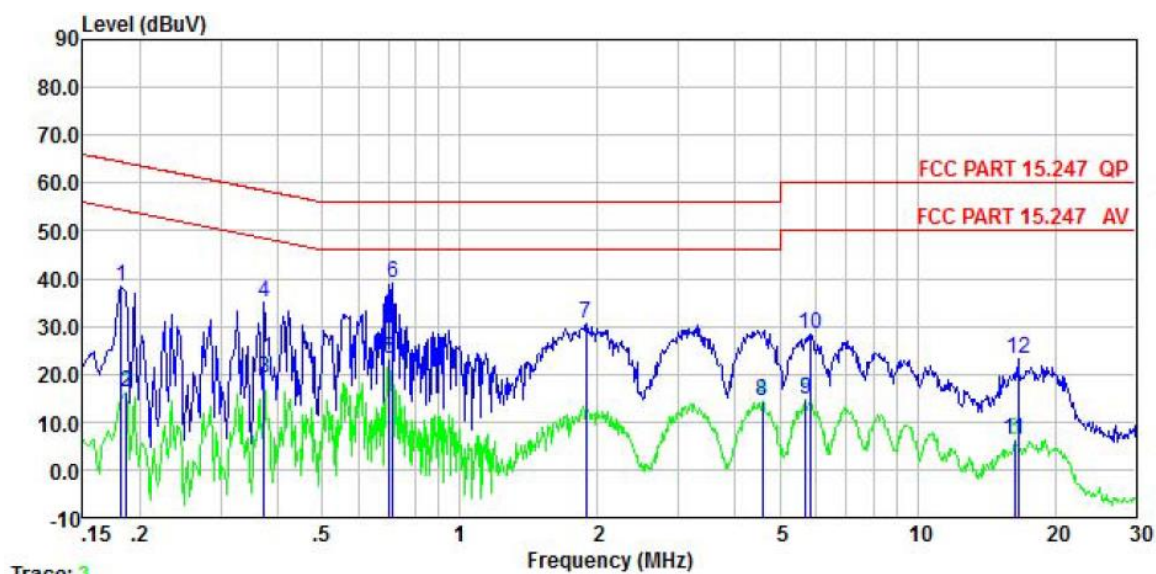


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.186	28.41	0.10	0.00	9.88	0.00	38.39	64.20	-25.81	QP
2	0.190	8.72	0.10	0.00	9.88	0.00	18.70	54.02	-35.32	Average
3	0.369	10.84	0.10	0.00	9.88	0.00	20.82	48.52	-27.70	Average
4	0.369	25.70	0.10	0.00	9.88	0.00	35.68	58.52	-22.84	QP
5	0.705	20.86	0.10	0.00	9.88	0.00	30.84	46.00	-15.16	Average
6	0.705	34.64	0.10	0.00	9.88	0.00	44.62	56.00	-11.38	QP
7	1.839	25.81	0.19	0.00	9.88	0.00	35.88	56.00	-20.12	QP
8	4.430	10.33	0.20	0.00	9.89	0.00	20.42	46.00	-25.58	Average
9	5.867	10.49	0.30	0.00	9.90	0.00	20.69	50.00	-29.31	Average
10	6.056	25.07	0.31	0.00	9.90	0.00	35.28	60.00	-24.72	QP
11	17.475	1.45	0.96	0.00	9.95	0.00	12.36	50.00	-37.64	Average
12	17.755	15.85	0.99	0.00	9.95	0.00	26.79	60.00	-33.21	QP

Remark:

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

Product name:	7858VHD	Product model:	7858VHD
Test by:	Kiran Zeng	Test mode:	Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120V/60Hz		



	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	0.182	28.26	0.10	0.00	9.88	0.00	38.24	64.42	-26.18	QP
2	0.186	6.35	0.10	0.00	9.88	0.00	16.33	54.20	-37.87	Average
3	0.373	9.01	0.10	0.00	9.88	0.00	18.99	48.43	-29.44	Average
4	0.373	25.03	0.10	0.00	9.88	0.00	35.01	58.43	-23.42	QP
5	0.701	13.34	0.10	0.00	9.88	0.00	23.32	46.00	-22.68	Average
6	0.712	29.03	0.10	0.00	9.88	0.00	39.01	56.00	-16.99	QP
7	1.888	20.45	0.19	0.00	9.88	0.00	30.52	56.00	-25.48	QP
8	4.574	4.07	0.26	0.00	9.89	0.00	14.22	46.00	-31.78	Average
9	5.683	4.52	0.34	0.00	9.90	0.00	14.76	50.00	-35.24	Average
10	5.836	18.13	0.35	0.00	9.90	0.00	28.38	60.00	-31.62	QP
11	16.312	-4.64	0.87	0.00	9.94	0.00	6.17	50.00	-43.83	Average
12	16.573	12.41	0.91	0.00	9.94	0.00	23.26	60.00	-36.74	QP

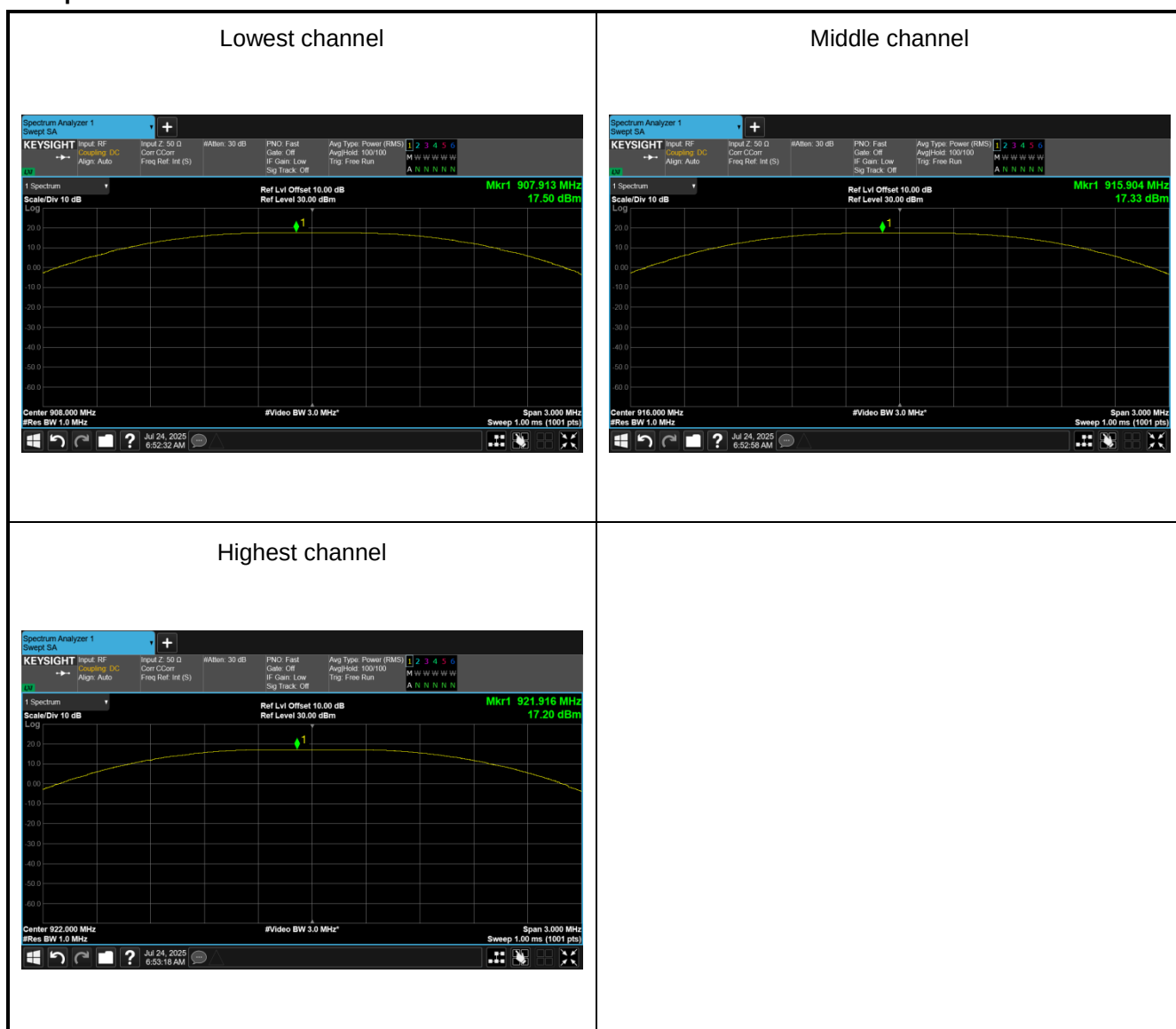
Remark:

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

5.4 Conducted Output Power

Test Channel	Maximum Output Power (dBm)	Limit(dBm)	Result
Lowest channel	17.50	30.00	Pass
Middle channel	17.33		
Highest channel	17.20		

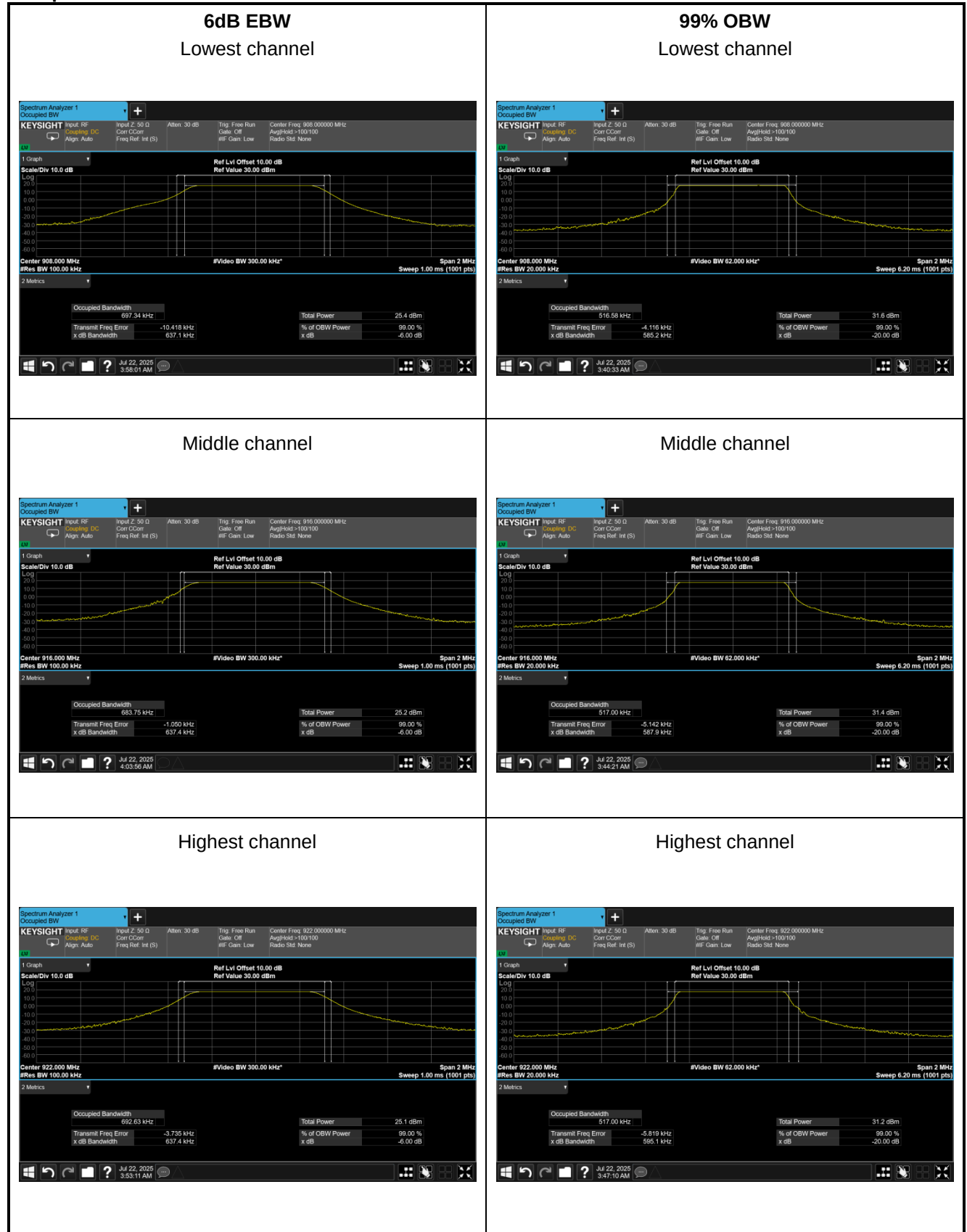
Test plot as follows:



5.5 Emission Bandwidth

Test Channel	6dB Emission Bandwidth (MHz)	Limit (kHz)	Result
Lowest channel	0.6371	>500	Pass
Middle channel	0.6374		
Highest channel	0.6374		
Test Channel	99% Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest channel	0.51658	N/A	N/A
Middle channel	0.517		
Highest channel	0.517		

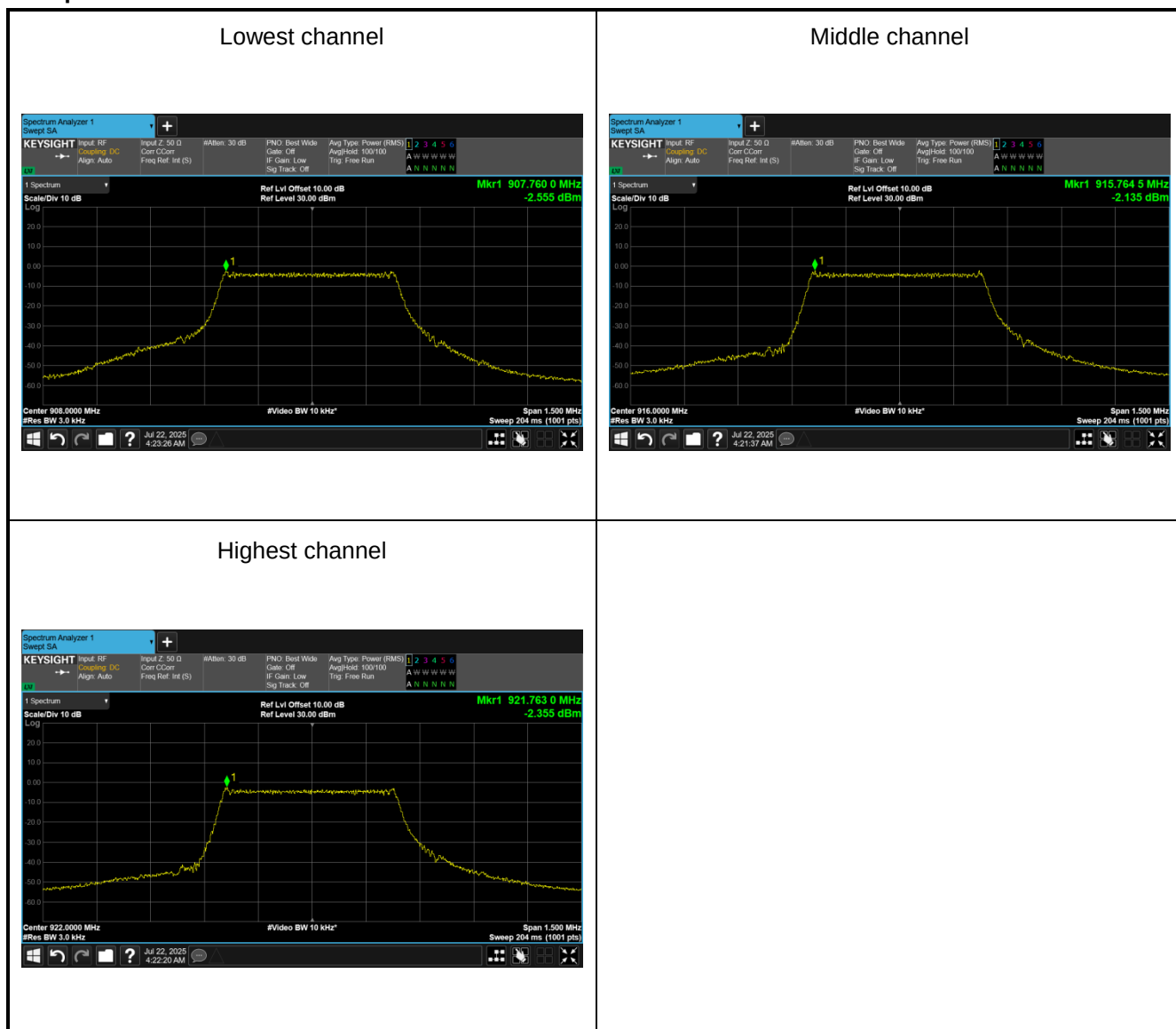
Test plot as follows:



5.6 Power Spectral Density

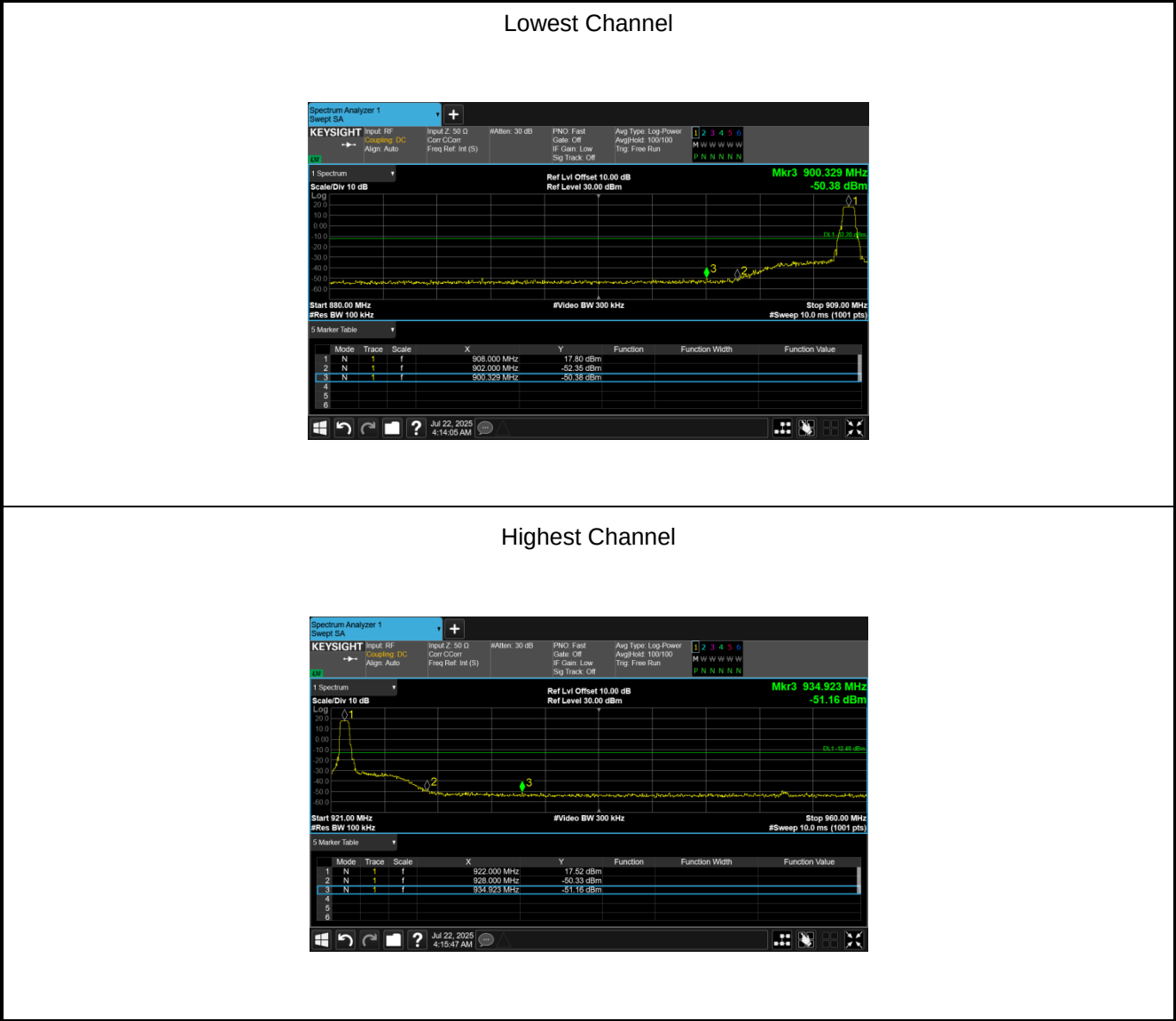
Test Channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Lowest channel	-2.555	8.00	Pass
Middle channel	-2.135		
Highest channel	-2.355		

Test plot as follows:



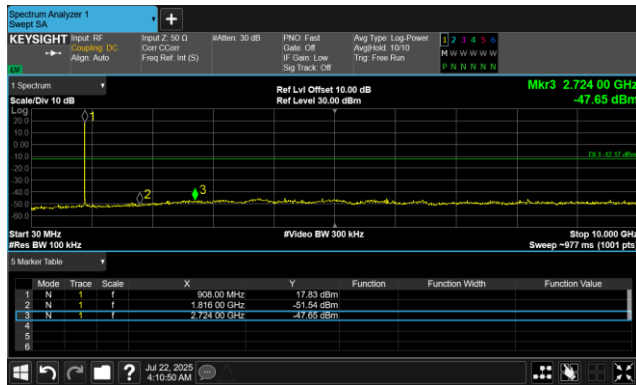
5.7 Spurious Emission

5.7.1 Band-edge Emission

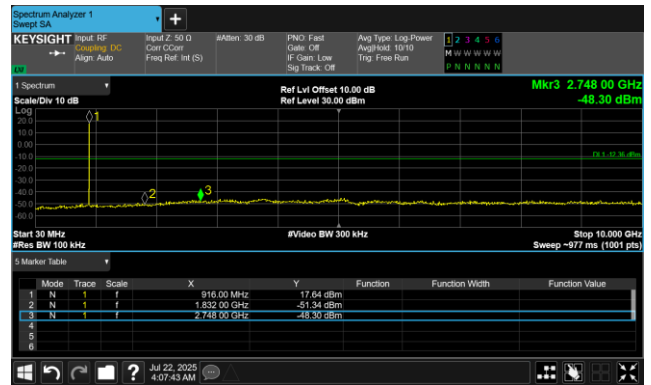


5.7.2 Conducted Spurious Emission

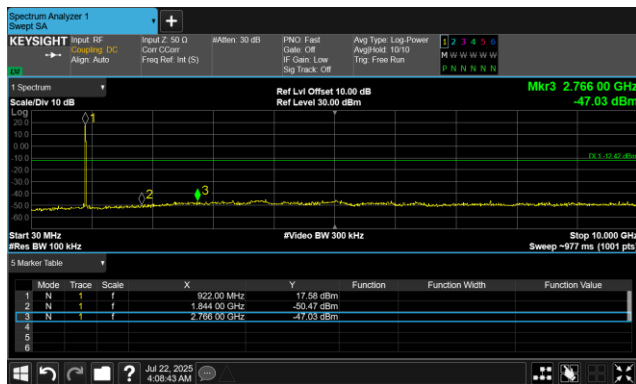
Lowest channel



Middle channel



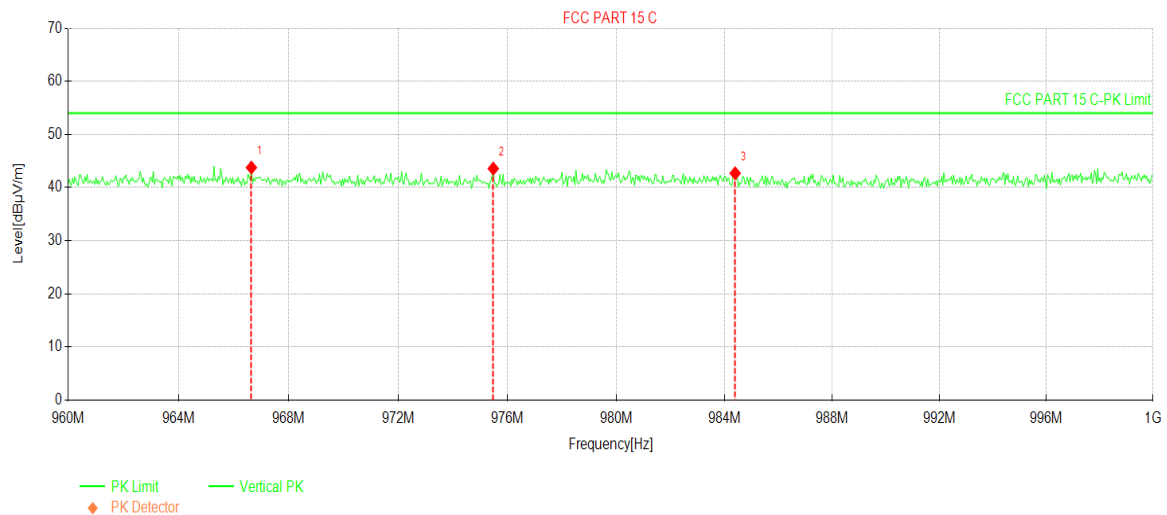
Highest channel



5.7.3 Emissions in Restricted Frequency Bands

908MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



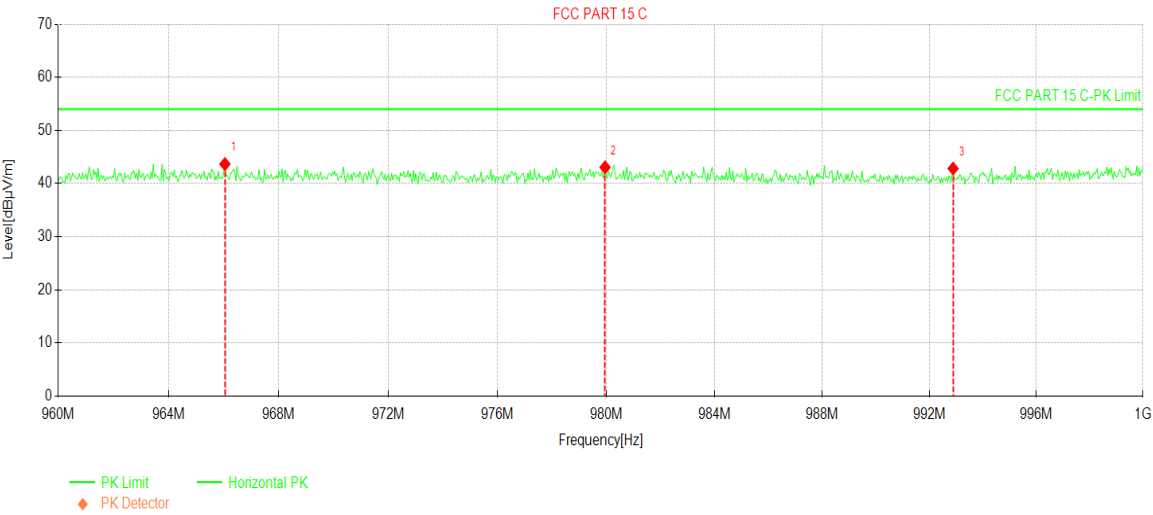
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	966.640	15.82	27.95	43.77	54.00	10.23	PK	Vertical
2	975.480	15.62	27.95	43.57	54.00	10.43	PK	Vertical
3	984.400	14.70	27.99	42.69	54.00	11.31	PK	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

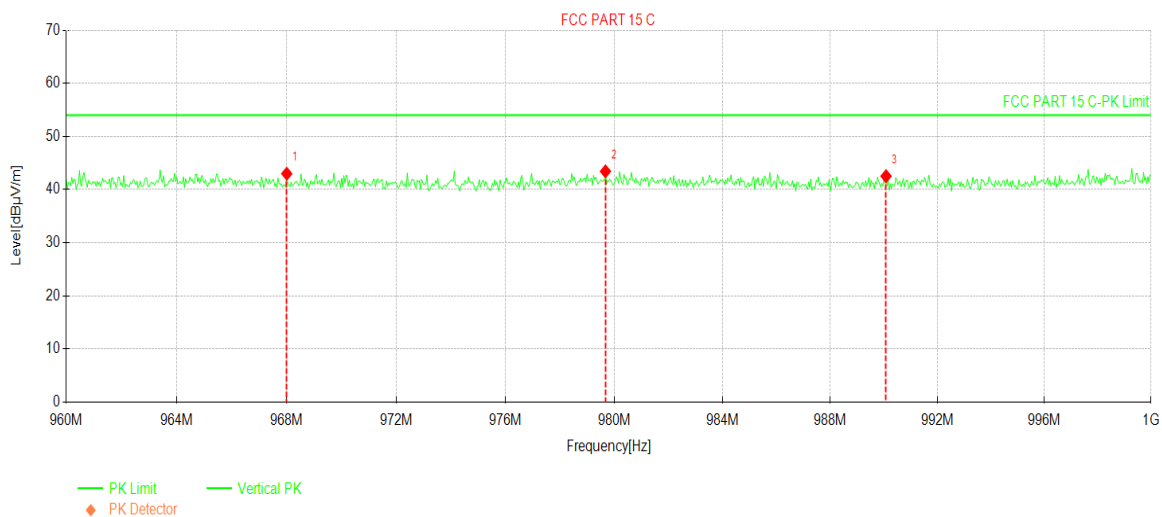


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	966.040	15.73	27.94	43.67	54.00	10.33	PK	Horizontal
2	979.960	15.10	27.97	43.07	54.00	10.93	PK	Horizontal
3	992.880	14.74	28.08	42.82	54.00	11.18	PK	Horizontal

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

916 MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



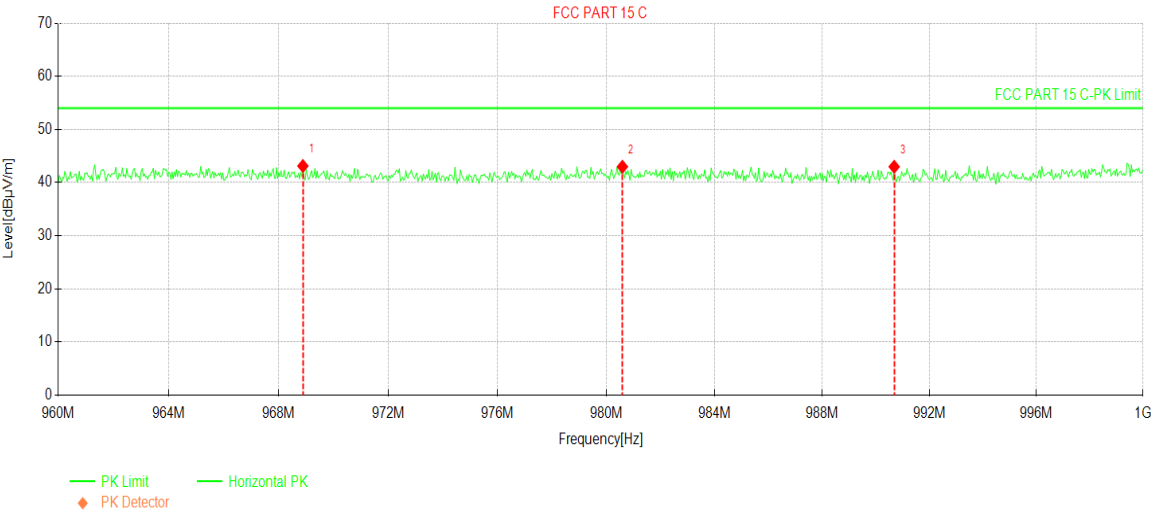
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	968.000	15.00	27.99	42.99	54.00	11.01	PK	Vertical
2	979.680	15.47	27.97	43.44	54.00	10.56	PK	Vertical
3	990.080	14.57	27.96	42.53	54.00	11.47	PK	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

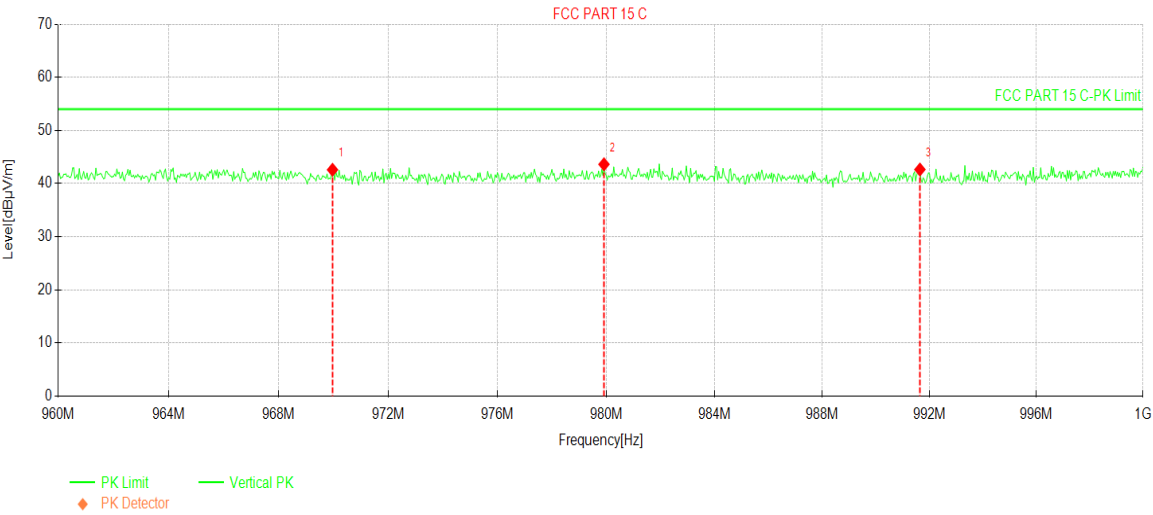


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	968.880	15.11	28.01	43.12	54.00	10.88	PK	Horizontal
2	980.600	15.01	27.97	42.98	54.00	11.02	PK	Horizontal
3	990.680	14.99	27.99	42.98	54.00	11.02	PK	Horizontal

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

922MHz:

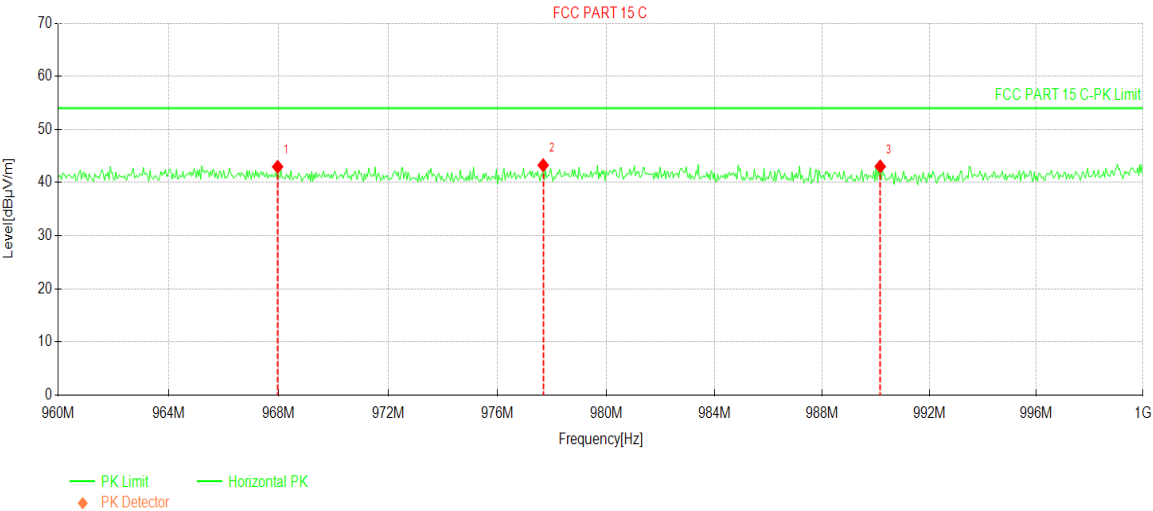
Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	969.960	14.57	28.03	42.60	54.00	11.40	PK	Vertical
2	979.920	15.66	27.97	43.63	54.00	10.37	PK	Vertical
3	991.640	14.63	28.02	42.65	54.00	11.35	PK	Vertical

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	960 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

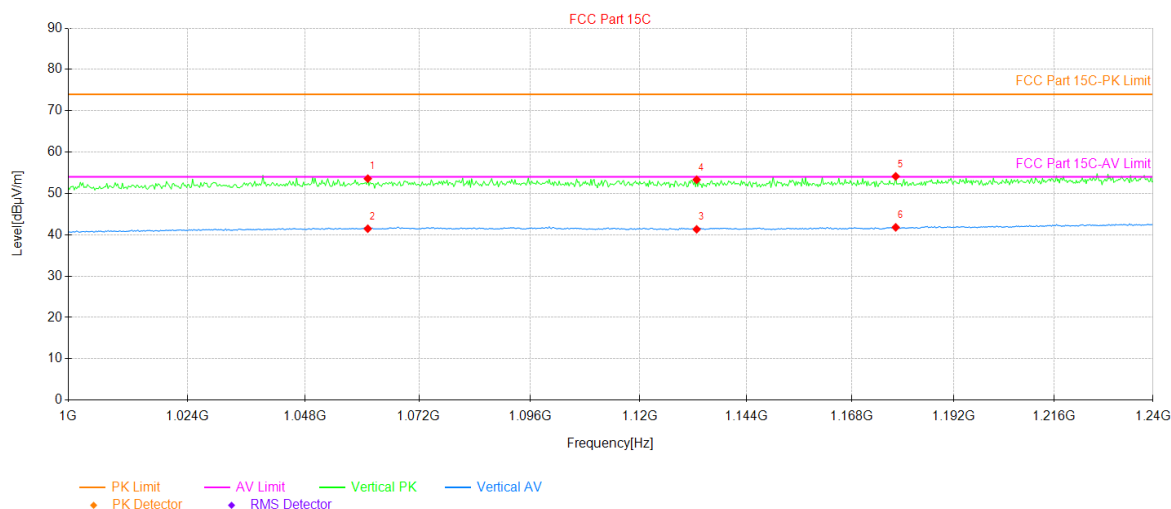


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	967.960	14.99	27.99	42.98	54.00	11.02	PK	Horizontal
2	977.680	15.31	27.96	43.27	54.00	10.73	PK	Horizontal
3	990.160	15.07	27.96	43.03	54.00	10.97	PK	Horizontal

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

908MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



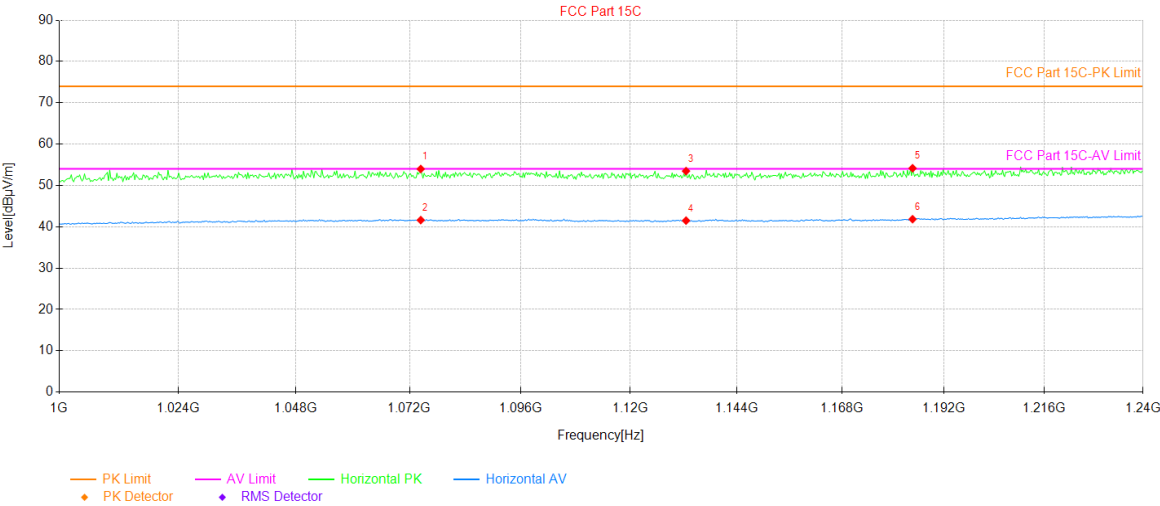
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1061.20	23.37	30.21	53.58	74.00	20.42	170	PK	PASS	Vertical
2	1061.20	11.26	30.21	41.47	54.00	12.53	60	AV	PASS	Vertical
3	1132.72	10.76	30.57	41.33	54.00	12.67	300	AV	PASS	Vertical
4	1132.72	22.76	30.57	53.33	74.00	20.67	350	PK	PASS	Vertical
5	1178.32	23.46	30.68	54.14	74.00	19.86	90	PK	PASS	Vertical
6	1178.32	11.12	30.68	41.80	54.00	12.20	160	AV	PASS	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

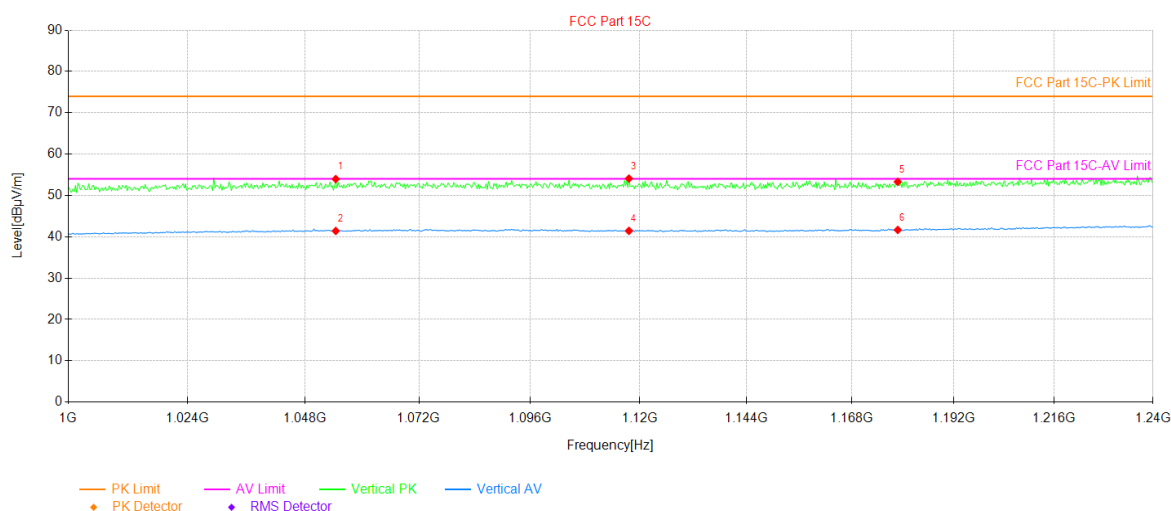
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1074.40	23.70	30.28	53.98	74.00	20.02	290	PK	PASS	Horizontal
2	1074.40	11.34	30.28	41.62	54.00	12.38	310	AV	PASS	Horizontal
3	1132.48	22.92	30.56	53.48	74.00	20.52	80	PK	PASS	Horizontal
4	1132.48	10.94	30.56	41.50	54.00	12.50	340	AV	PASS	Horizontal
5	1184.56	23.48	30.69	54.17	74.00	19.83	300	PK	PASS	Horizontal
6	1184.56	11.15	30.69	41.84	54.00	12.16	130	AV	PASS	Horizontal

Remark:

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

916MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



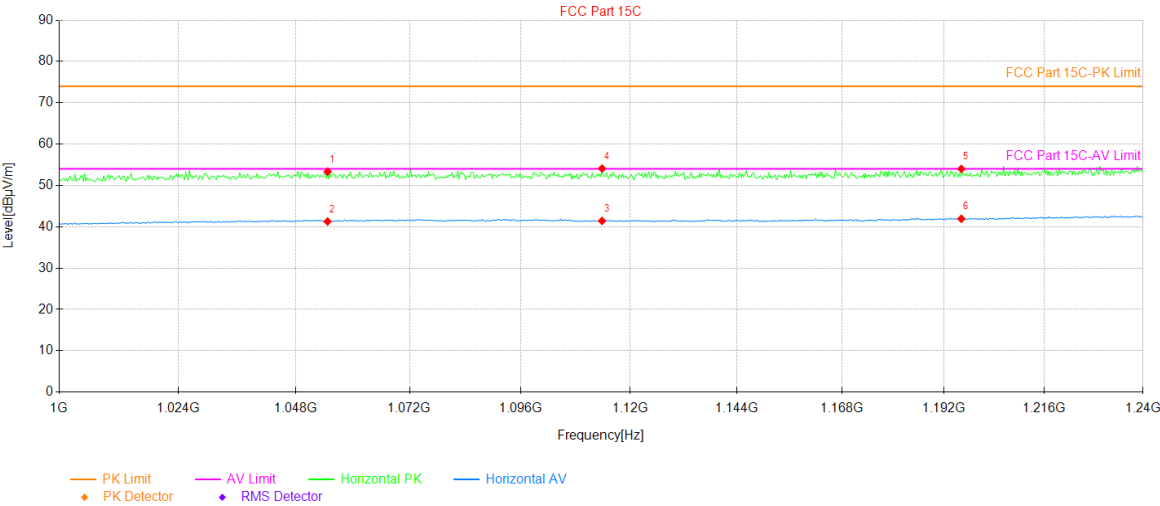
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1054.48	23.80	30.17	53.97	74.00	20.03	20	PK	PASS	Vertical
2	1054.48	11.24	30.17	41.41	54.00	12.59	340	AV	PASS	Vertical
3	1117.60	23.58	30.50	54.08	74.00	19.92	100	PK	PASS	Vertical
4	1117.60	10.94	30.50	41.44	54.00	12.56	180	AV	PASS	Vertical
5	1178.80	22.62	30.68	53.30	74.00	20.70	240	PK	PASS	Vertical
6	1178.80	10.99	30.68	41.67	54.00	12.33	20	AV	PASS	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

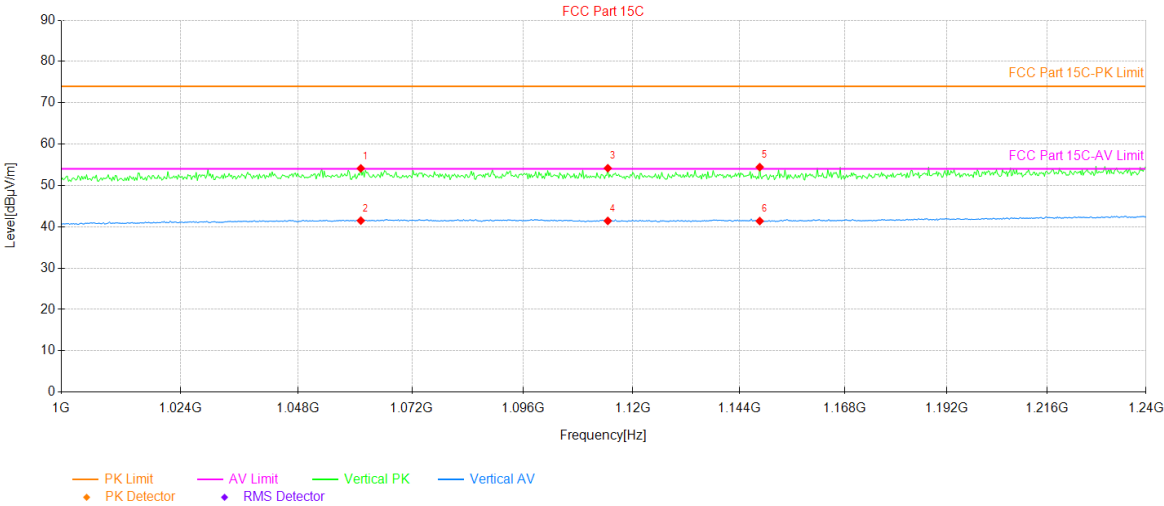


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1054.72	23.18	30.17	53.35	74.00	20.65	320	PK	PASS	Horizontal
2	1054.72	11.11	30.17	41.28	54.00	12.72	280	AV	PASS	Horizontal
3	1113.76	10.95	30.48	41.43	54.00	12.57	310	AV	PASS	Horizontal
4	1113.76	23.62	30.48	54.10	74.00	19.90	270	PK	PASS	Horizontal
5	1196.08	23.31	30.71	54.02	74.00	19.98	310	PK	PASS	Horizontal
6	1196.08	11.23	30.71	41.94	54.00	12.06	160	AV	PASS	Horizontal

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

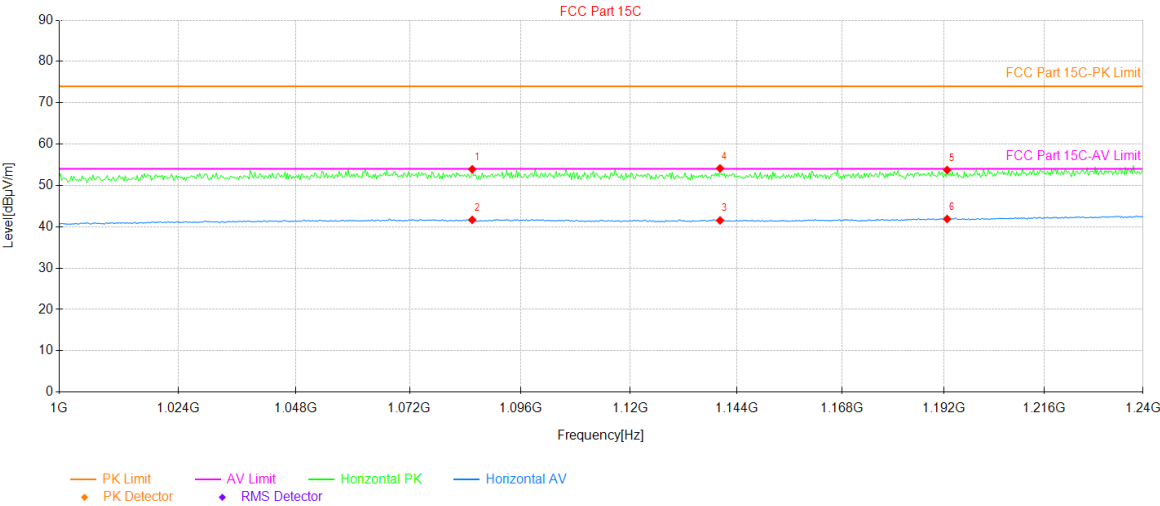
Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1061.20	23.92	30.21	54.13	74.00	19.87	90	PK	PASS	Vertical
2	1061.20	11.28	30.21	41.49	54.00	12.51	120	AV	PASS	Vertical
3	1114.48	23.70	30.48	54.18	74.00	19.82	110	PK	PASS	Vertical
4	1114.48	10.95	30.48	41.43	54.00	12.57	100	AV	PASS	Vertical
5	1148.56	23.81	30.62	54.43	74.00	19.57	210	PK	PASS	Vertical
6	1148.56	10.77	30.62	41.39	54.00	12.61	70	AV	PASS	Vertical

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	1000 MHz ~ 1240 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1085.44	23.59	30.33	53.92	74.00	20.08	90	PK	PASS	Horizontal
2	1085.44	11.35	30.33	41.68	54.00	12.32	360	AV	PASS	Horizontal
3	1140.16	10.95	30.60	41.55	54.00	12.45	200	AV	PASS	Horizontal
4	1140.16	23.54	30.60	54.14	74.00	19.86	70	PK	PASS	Horizontal
5	1192.72	23.03	30.71	53.74	74.00	20.26	330	PK	PASS	Horizontal
6	1192.72	11.19	30.71	41.90	54.00	12.10	350	AV	PASS	Horizontal

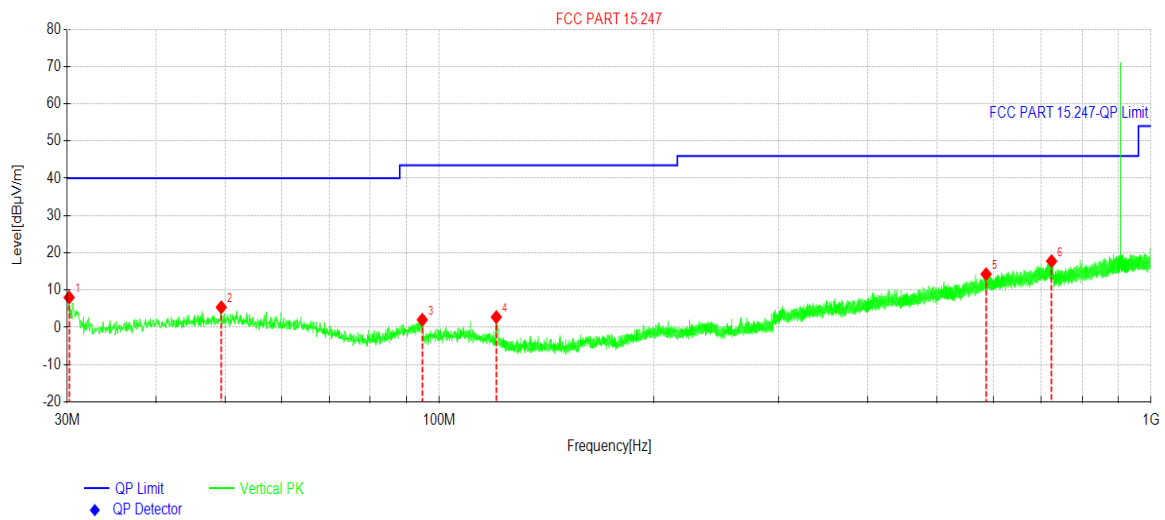
Remark:
1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor) .

5.7.4 Emissions in Non-restricted Frequency Bands

Below 1GHz:

908MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



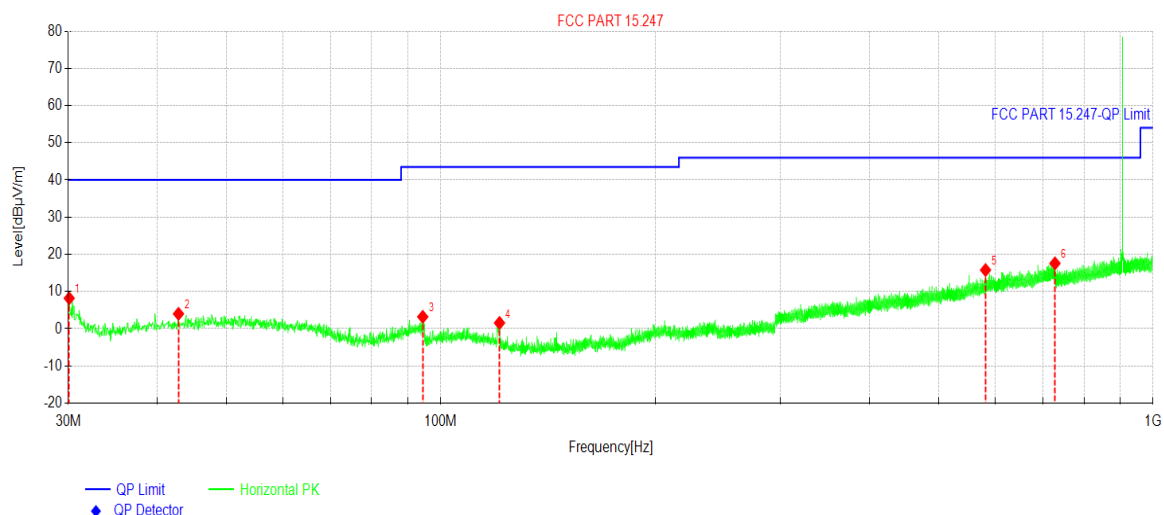
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.1940	23.46	-15.45	8.01	40.00	31.99	PK	Vertical
2	49.4010	18.06	-12.68	5.38	40.00	34.62	PK	Vertical
3	94.6537	17.13	-15.10	2.03	43.50	41.47	PK	Vertical
4	120.263	18.87	-16.11	2.76	43.50	40.74	PK	Vertical
5	586.516	19.53	-5.26	14.27	46.00	31.73	PK	Vertical
6	724.894	20.63	-2.87	17.76	46.00	28.24	PK	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

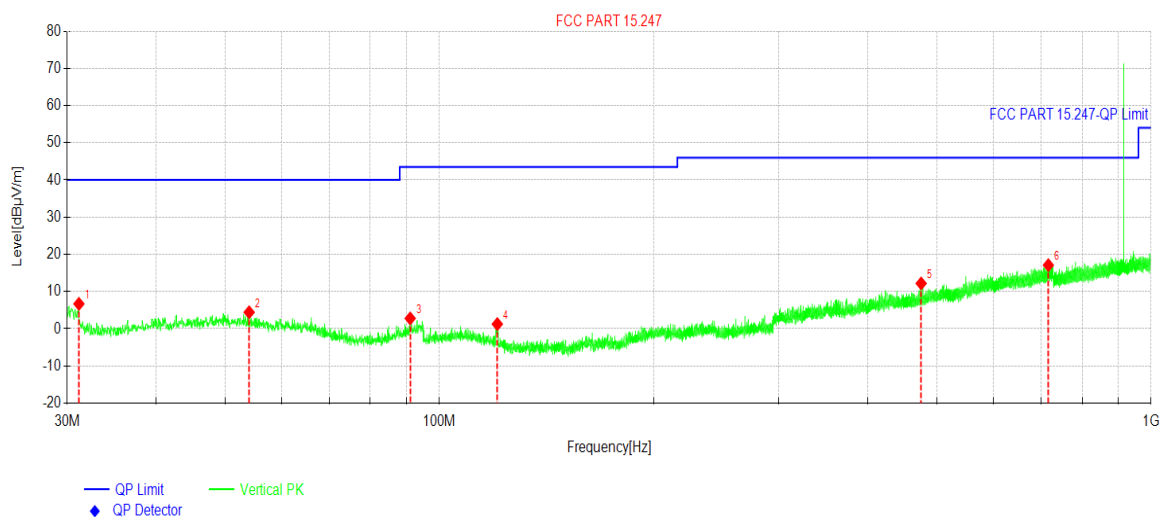
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.0970	23.61	-15.41	8.20	40.00	31.80	PK	Horizontal
2	42.8531	17.01	-13.00	4.01	40.00	35.99	PK	Horizontal
3	94.3627	18.41	-15.20	3.21	43.50	40.29	PK	Horizontal
4	120.942	17.74	-16.18	1.56	43.50	41.94	PK	Horizontal
5	582.006	21.21	-5.43	15.78	46.00	30.22	PK	Horizontal
6	728.483	20.31	-2.73	17.58	46.00	28.42	PK	Horizontal

Remark:

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

916MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



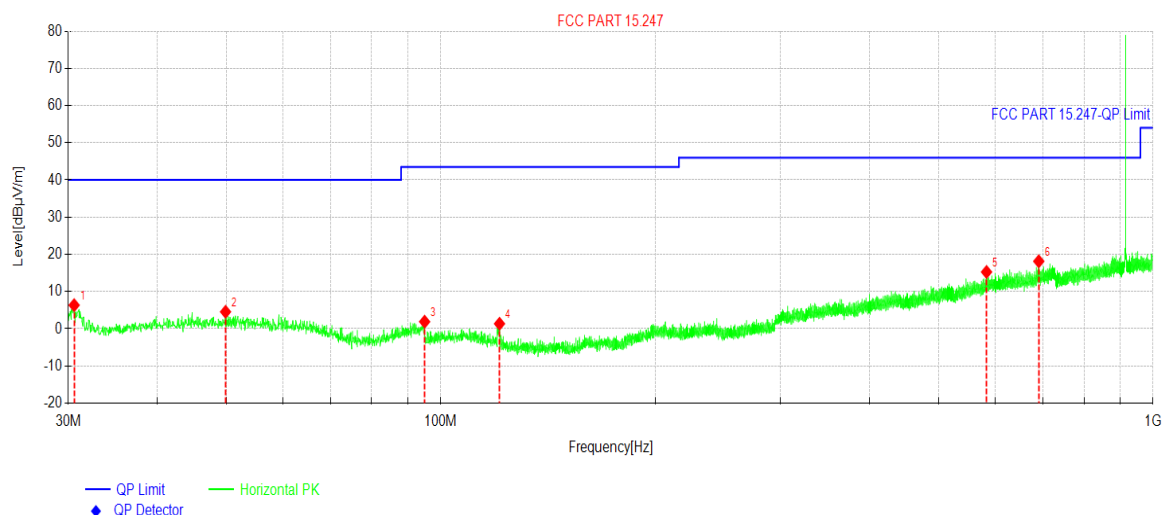
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	31.1641	22.46	-15.77	6.69	40.00	33.31	PK	Vertical
2	54.0572	17.39	-12.96	4.43	40.00	35.57	PK	Vertical
3	91.0161	18.69	-15.91	2.78	43.50	40.72	PK	Vertical
4	120.651	17.39	-16.15	1.24	43.50	42.26	PK	Vertical
5	475.349	20.23	-8.05	12.18	46.00	33.82	PK	Vertical
6	717.376	19.94	-2.85	17.09	46.00	28.91	PK	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

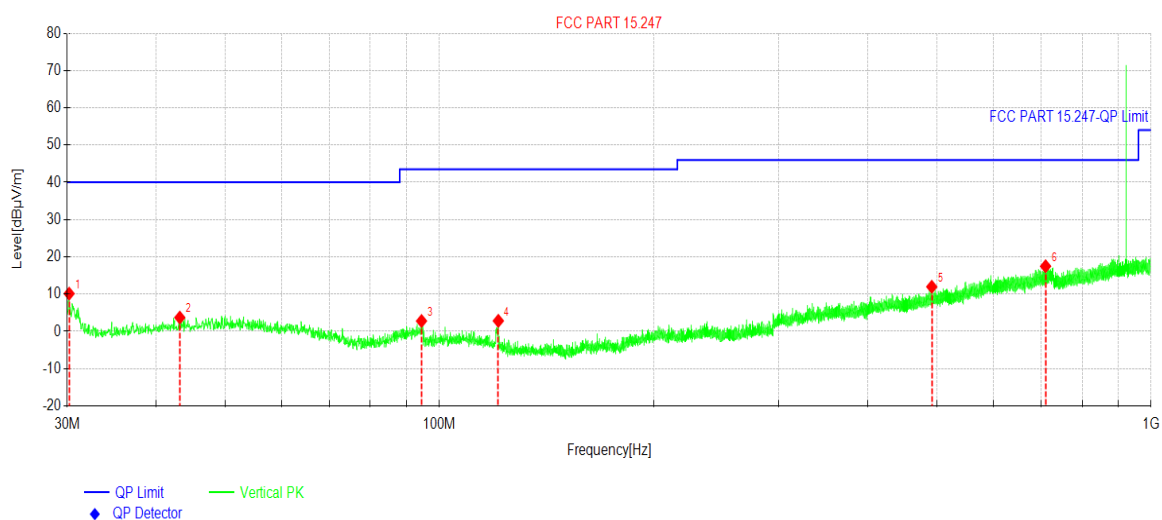
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.5820	21.92	-15.59	6.33	40.00	33.67	PK	Horizontal
2	49.8860	17.24	-12.69	4.55	40.00	35.45	PK	Horizontal
3	94.9447	16.88	-14.99	1.89	43.50	41.61	PK	Horizontal
4	120.942	17.53	-16.18	1.35	43.50	42.15	PK	Horizontal
5	583.897	20.62	-5.36	15.26	46.00	30.74	PK	Horizontal
6	691.185	21.45	-3.32	18.13	46.00	27.87	PK	Horizontal

Remark:

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

922MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



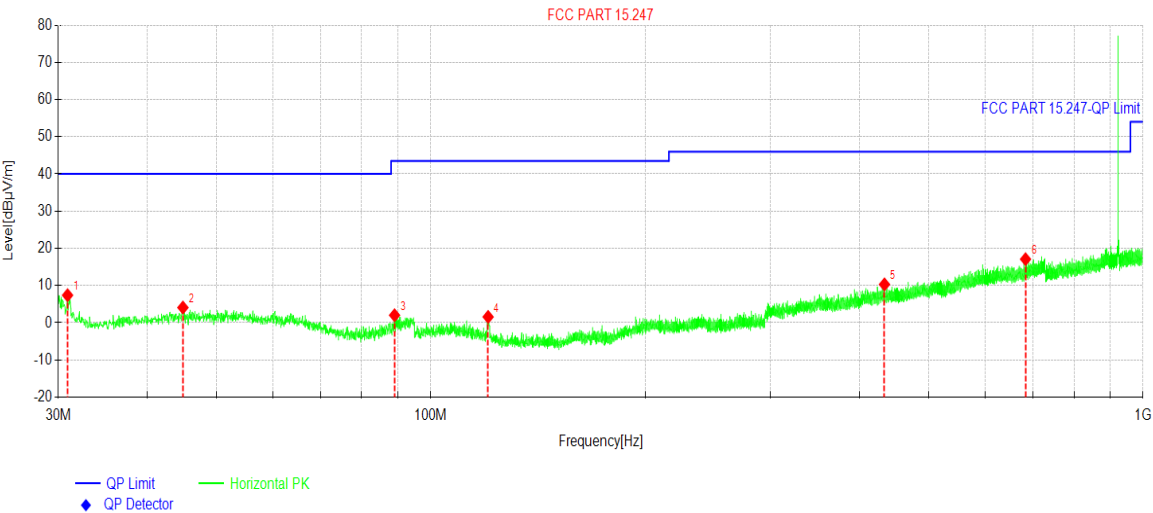
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.1940	25.57	-15.45	10.12	40.00	29.88	PK	Vertical
2	43.1927	16.63	-12.93	3.70	40.00	36.30	PK	Vertical
3	94.4112	17.97	-15.19	2.78	43.50	40.72	PK	Vertical
4	121.039	19.02	-16.20	2.82	43.50	40.68	PK	Vertical
5	491.985	19.39	-7.43	11.96	46.00	34.04	PK	Vertical
6	710.974	20.50	-3.03	17.47	46.00	28.53	PK	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



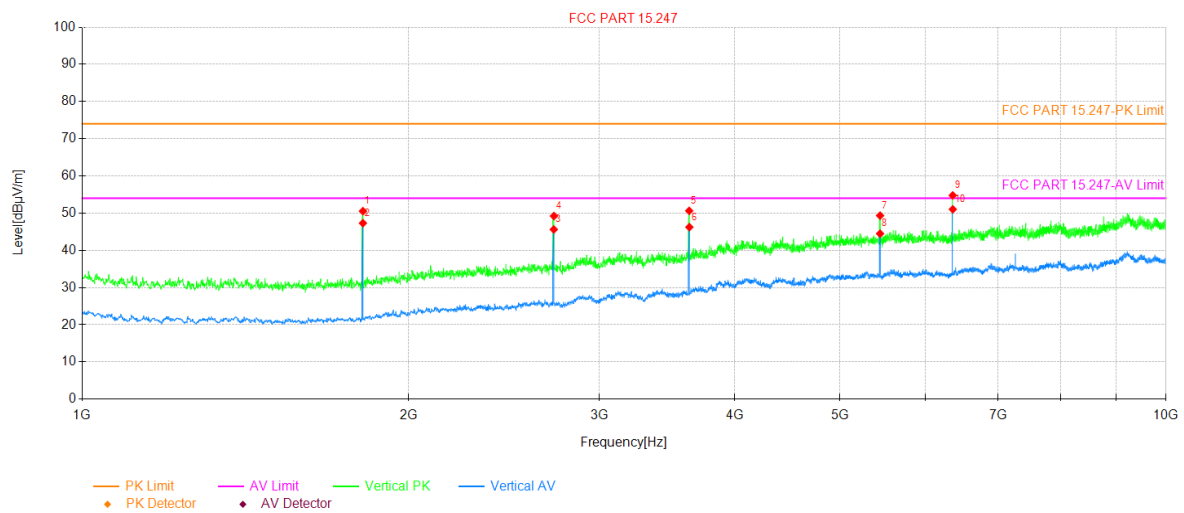
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.9215	23.11	-15.71	7.40	40.00	32.60	PK	Horizontal
2	44.8902	16.73	-12.65	4.08	40.00	35.92	PK	Horizontal
3	88.9789	18.42	-16.41	2.01	43.50	41.49	PK	Horizontal
4	120.408	17.69	-16.12	1.57	43.50	41.93	PK	Horizontal
5	433.588	19.08	-8.77	10.31	46.00	35.69	PK	Horizontal
6	684.103	20.66	-3.57	17.09	46.00	28.91	PK	Horizontal

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

Above 1GHz:

908MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		

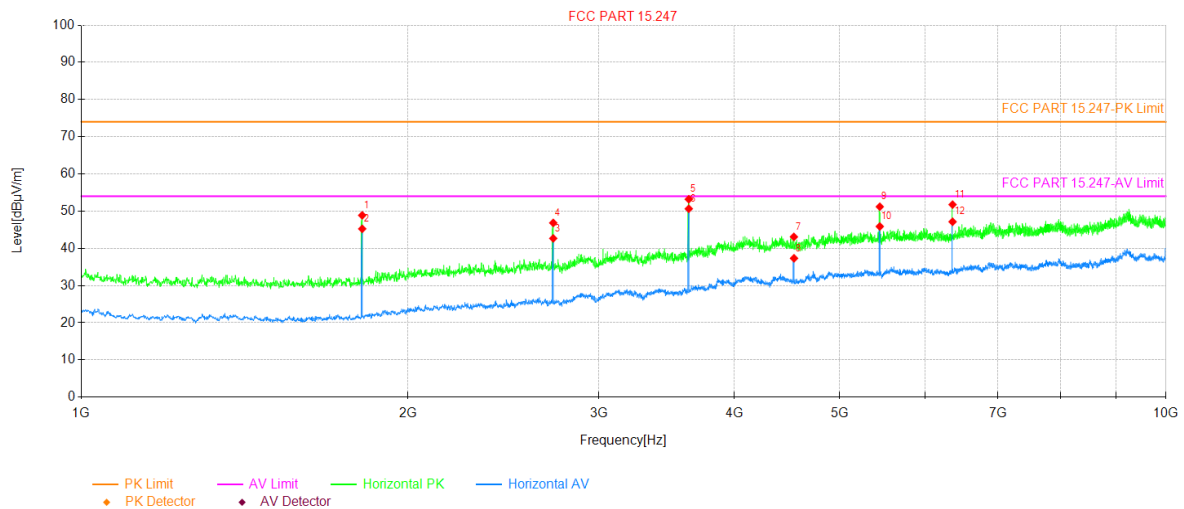


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1815.63	73.18	-22.65	50.53	74.00	23.47	1	PK	PASS	Vertical
2	1815.63	69.95	-22.65	47.30	54.00	6.70	3	AV	PASS	Vertical
3	2723.50	63.13	-17.52	45.61	54.00	8.39	30	AV	PASS	Vertical
4	2724.63	66.74	-17.52	49.22	74.00	24.78	78	PK	PASS	Vertical
5	3631.38	63.34	-12.72	50.62	74.00	23.38	50	PK	PASS	Vertical
6	3632.50	58.93	-12.69	46.24	54.00	7.76	50	AV	PASS	Vertical
7	5447.13	56.19	-6.86	49.33	74.00	24.67	320	PK	PASS	Vertical
8	5447.13	51.35	-6.86	44.49	54.00	9.51	306	AV	PASS	Vertical
9	6356.13	60.69	-5.92	54.77	74.00	19.23	327	PK	PASS	Vertical
10	6357.25	56.95	-5.92	51.03	54.00	2.97	320	AV	PASS	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



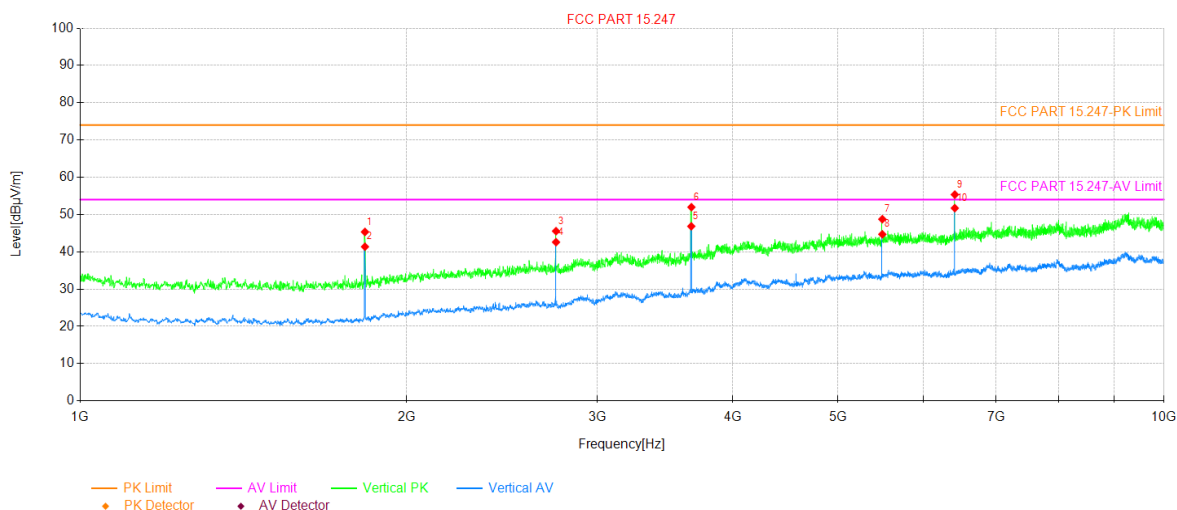
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1815.63	71.52	-22.65	48.87	74.00	25.13	360	PK	PASS	Horizontal
2	1815.63	67.89	-22.65	45.24	54.00	8.76	360	AV	PASS	Horizontal
3	2723.50	60.19	-17.52	42.67	54.00	11.33	329	AV	PASS	Horizontal
4	2723.50	64.36	-17.52	46.84	74.00	27.16	329	PK	PASS	Horizontal
5	3631.38	65.92	-12.72	53.20	74.00	20.80	308	PK	PASS	Horizontal
6	3631.38	63.35	-12.72	50.63	54.00	3.37	322	AV	PASS	Horizontal
7	4539.25	52.14	-9.06	43.08	74.00	30.92	342	PK	PASS	Horizontal
8	4540.38	46.38	-9.06	37.32	54.00	16.68	359	AV	PASS	Horizontal
9	5447.13	58.04	-6.86	51.18	74.00	22.82	336	PK	PASS	Horizontal
10	5447.13	52.73	-6.86	45.87	54.00	8.13	336	AV	PASS	Horizontal
11	6357.25	57.68	-5.92	51.76	74.00	22.24	315	PK	PASS	Horizontal
12	6357.25	53.07	-5.92	47.15	54.00	6.85	308	AV	PASS	Horizontal

Remark:

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

916MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



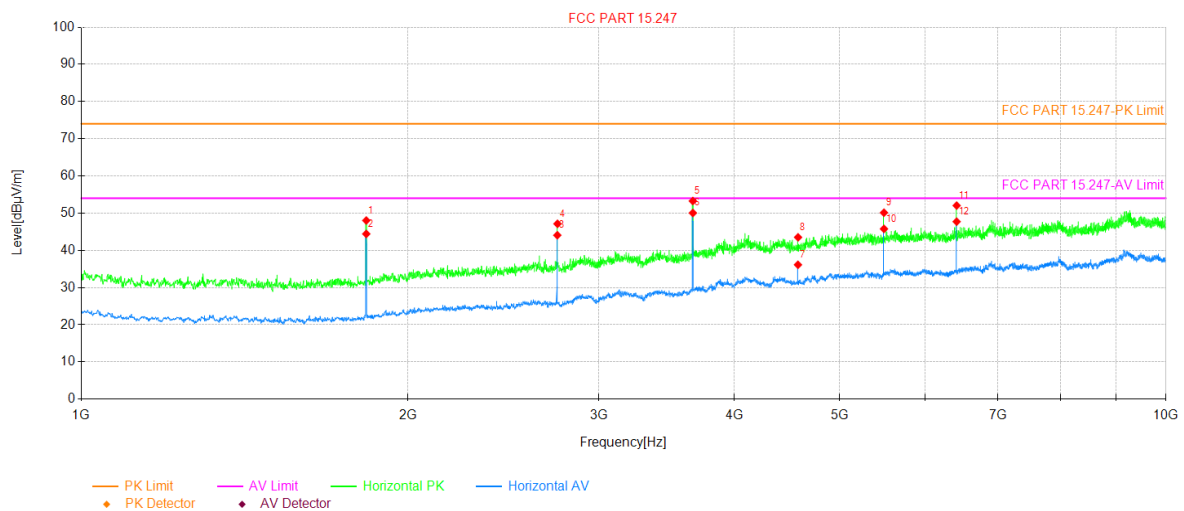
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1831.38	67.79	-22.46	45.33	74.00	28.67	29	PK	PASS	Vertical
2	1831.38	63.82	-22.46	41.36	54.00	12.64	36	AV	PASS	Vertical
3	2748.25	63.02	-17.47	45.55	74.00	28.45	63	PK	PASS	Vertical
4	2748.25	60.07	-17.47	42.60	54.00	11.40	111	AV	PASS	Vertical
5	3662.88	58.88	-12.04	46.84	54.00	7.16	111	AV	PASS	Vertical
6	3664.00	63.98	-12.00	51.98	74.00	22.02	105	PK	PASS	Vertical
7	5496.63	55.59	-6.84	48.75	74.00	25.25	358	PK	PASS	Vertical
8	5496.63	51.54	-6.84	44.70	54.00	9.30	0	AV	PASS	Vertical
9	6411.25	60.89	-5.54	55.35	74.00	18.65	346	PK	PASS	Vertical
10	6411.25	57.26	-5.54	51.72	54.00	2.28	326	AV	PASS	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

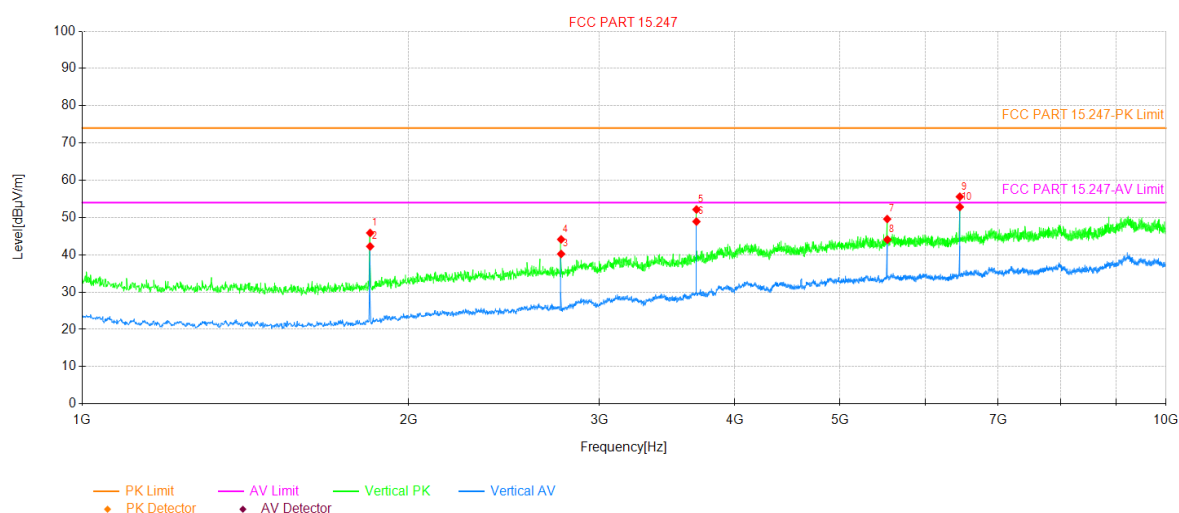
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1831.38	70.48	-22.46	48.02	74.00	25.98	61	PK	PASS	Horizontal
2	1831.38	66.87	-22.46	44.41	54.00	9.59	61	AV	PASS	Horizontal
3	2747.13	61.54	-17.48	44.06	54.00	9.94	360	AV	PASS	Horizontal
4	2748.25	64.60	-17.47	47.13	74.00	26.87	6	PK	PASS	Horizontal
5	3662.88	65.30	-12.04	53.26	74.00	20.74	343	PK	PASS	Horizontal
6	3662.88	62.08	-12.04	50.04	54.00	3.96	343	AV	PASS	Horizontal
7	4578.63	45.25	-9.13	36.12	54.00	17.88	356	AV	PASS	Horizontal
8	4579.75	52.63	-9.13	43.50	74.00	30.50	343	PK	PASS	Horizontal
9	5495.50	56.96	-6.84	50.12	74.00	23.88	136	PK	PASS	Horizontal
10	5495.50	52.61	-6.84	45.77	54.00	8.23	130	AV	PASS	Horizontal
11	6412.38	57.57	-5.54	52.03	74.00	21.97	47	PK	PASS	Horizontal
12	6412.38	53.25	-5.54	47.71	54.00	6.29	40	AV	PASS	Horizontal

Remark:

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

922MHz:

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



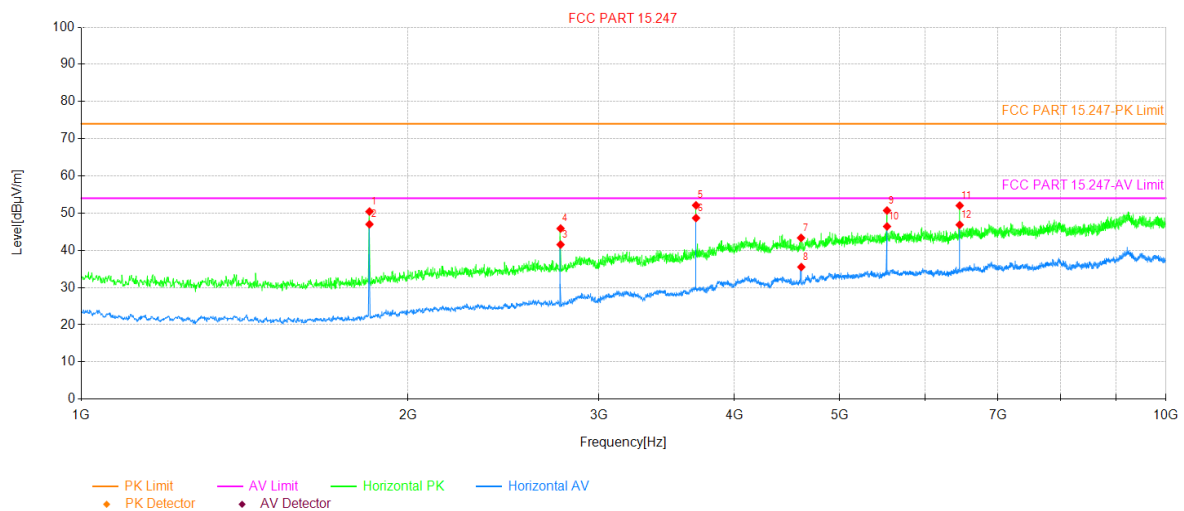
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1843.75	68.19	-22.32	45.87	74.00	28.13	30	PK	PASS	Vertical
2	1843.75	64.57	-22.32	42.25	54.00	11.75	37	AV	PASS	Vertical
3	2766.25	57.67	-17.43	40.24	54.00	13.76	106	AV	PASS	Vertical
4	2766.25	61.56	-17.43	44.13	74.00	29.87	106	PK	PASS	Vertical
5	3687.63	63.63	-11.47	52.16	74.00	21.84	92	PK	PASS	Vertical
6	3687.63	60.39	-11.47	48.92	54.00	5.08	92	AV	PASS	Vertical
7	5530.38	56.19	-6.59	49.60	74.00	24.40	1	PK	PASS	Vertical
8	5532.63	50.63	-6.57	44.06	54.00	9.94	319	AV	PASS	Vertical
9	6452.88	60.86	-5.28	55.58	74.00	18.42	340	PK	PASS	Vertical
10	6452.88	58.11	-5.28	52.83	54.00	1.17	326	AV	PASS	Vertical

Remark:

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

Product Name:	7858VHD	Product Model:	7858VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1843.75	72.74	-22.32	50.42	74.00	23.58	330	PK	PASS	Horizontal
2	1843.75	69.32	-22.32	47.00	54.00	7.00	330	AV	PASS	Horizontal
3	2766.25	58.97	-17.43	41.54	54.00	12.46	359	AV	PASS	Horizontal
4	2766.25	63.29	-17.43	45.86	74.00	28.14	20	PK	PASS	Horizontal
5	3687.63	63.57	-11.47	52.10	74.00	21.90	350	PK	PASS	Horizontal
6	3687.63	60.15	-11.47	48.68	54.00	5.32	344	AV	PASS	Horizontal
7	4609.00	52.39	-9.05	43.34	74.00	30.66	289	PK	PASS	Horizontal
8	4611.25	44.54	-9.03	35.51	54.00	18.49	337	AV	PASS	Horizontal
9	5531.50	57.27	-6.58	50.69	74.00	23.31	316	PK	PASS	Horizontal
10	5531.50	53.00	-6.58	46.42	54.00	7.58	323	AV	PASS	Horizontal
11	6454.00	57.29	-5.27	52.02	74.00	21.98	296	PK	PASS	Horizontal
12	6454.00	52.14	-5.27	46.87	54.00	7.13	268	AV	PASS	Horizontal

Remark:

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

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