

FCC RF Test Report

(DTS)

Report No.: JYTSZ-R01-2500298

Applicant: Voxx Electronics Corporation

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

Equipment Under Test (EUT)

Product Name: 7957VHD

Model No.: 7957VHD

Trade Mark: N/A

FCC ID: EZS7957VHD

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

Date of Sample Receipt: 01 Jul., 2025

Date of Test: 02 Jul., to 18 Aug., 2025

Date of Report Issued: 19 Aug., 2025

Test Result: PASS

Tested by:

Project Engineer

Date:

19 Aug., 2025

Reviewed by:

Senior Engineer

Date:

19 Aug., 2025

Approved by:

Manager

Date:

19 Aug., 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.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

Version No.	Date	Description
00	19 Aug., 2025	Original

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 Test 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	5
3.8 Laboratory Location.....	6
3.9 Test Instruments List	6
4 Measurement Setup and Procedure	8
4.1 Test Channel	8
4.2 Test Setup	8
4.3 Test Procedure	10
5 Test Results.....	11
5.1 Summary	11
5.1.1 Clause and Data Summary.....	11
5.1.2 Test Limit.....	12
5.2 Antenna requirement.....	13
5.3 AC Power Line Conducted Emission	14
5.4 Conducted Output Power	16
5.5 Emission Bandwidth	17
5.6 Power Spectral Density	19
5.7 Spurious Emission.....	20
5.7.1 Band-edge Emission.....	20
5.7.2 Conducted Spurious Emission.....	21
5.7.3 Emissions in Restricted Frequency Bands	22
5.7.4 Emissions in Non-restricted Frequency Bands.....	34

3 General Information

3.1 Client Information

Applicant:	Voxx Electronics Corporation
Address:	2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA
Manufacturer:	Nutek Coropration
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:	7957VHD
Model No.:	7957VHD
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, 200mAh
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 (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

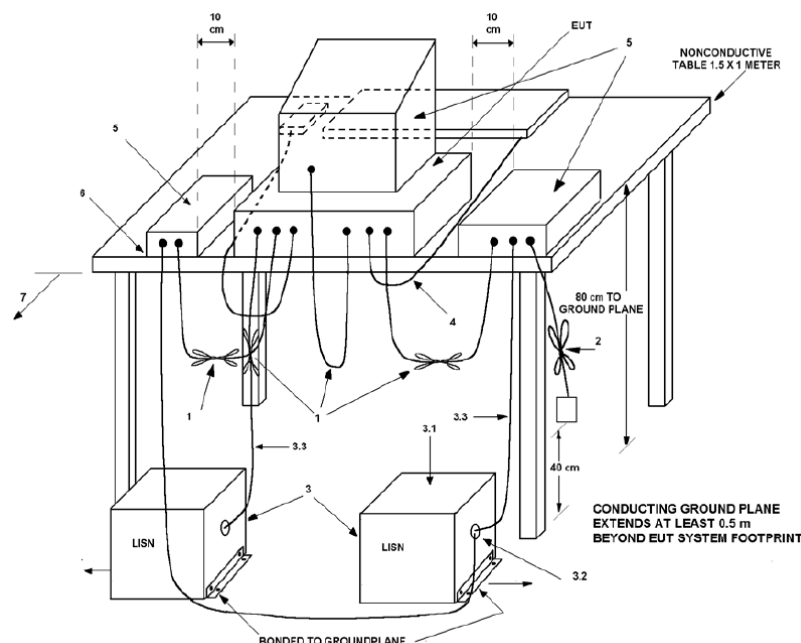
4.1 Test Channel

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

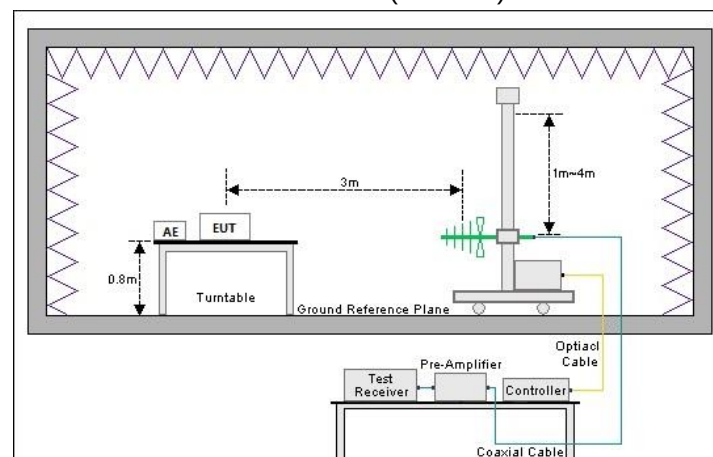
1) Conducted emission measurement:



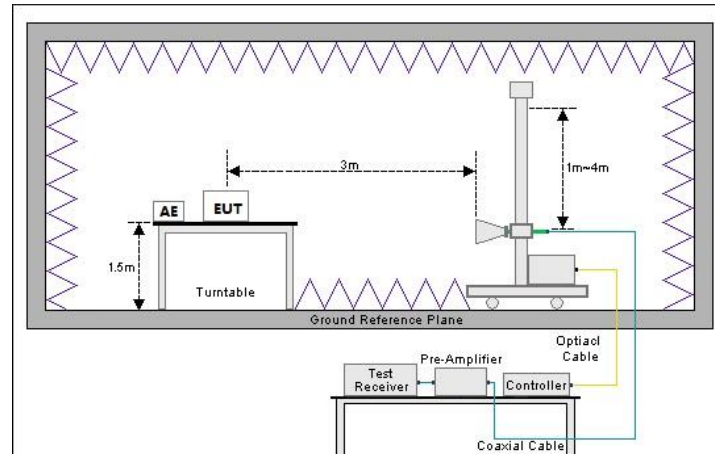
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

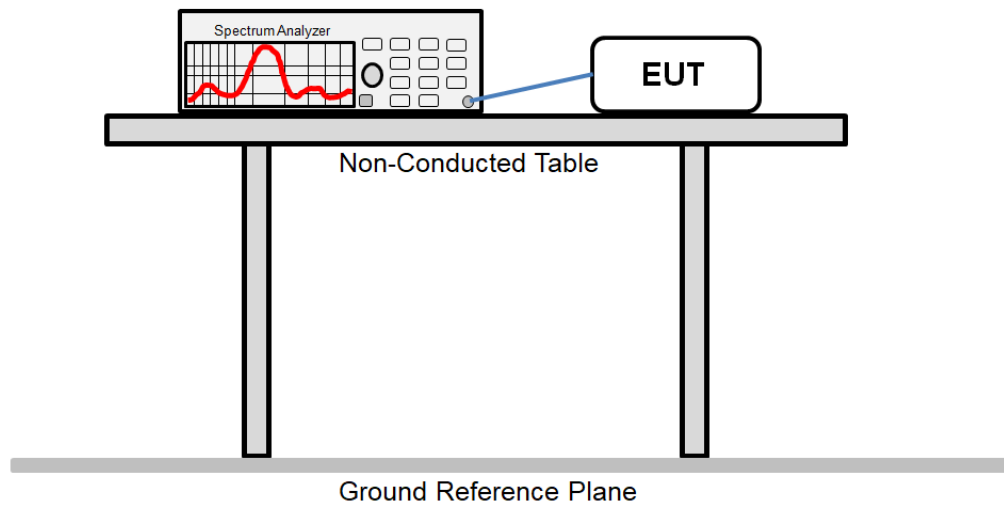
Below 1GHz (3m SAC)



Above 1GHz (3m SAC or 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 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

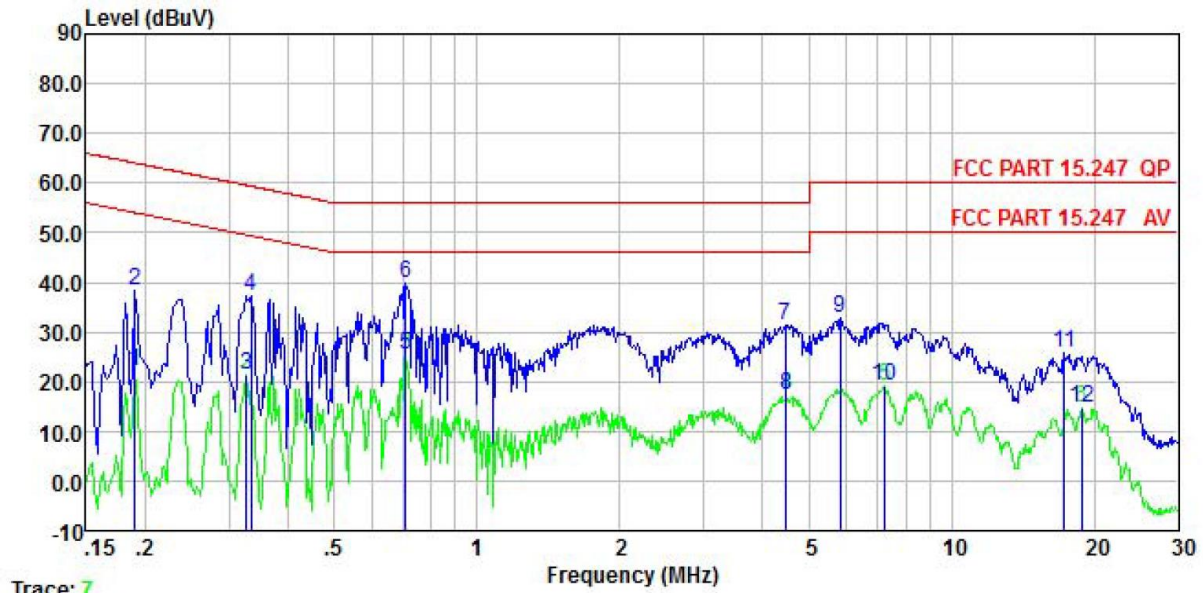
Test items	Limit																																								
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr><tr><td colspan="3">Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.</td></tr></table>	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	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																																							
Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.																																									
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><tr><td colspan="4">Note: The more stringent limit applies at transition frequencies.</td></tr><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBμV/m) @ 3m</th><th rowspan="2"></th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td><td></td></tr><tr><td colspan="4">Note: The measurement bandwidth shall be 1 MHz or greater.</td></tr></table>	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	Note: The more stringent limit applies at transition frequencies.				Frequency	Limit (dBμV/m) @ 3m			Average	Peake	Above 1 GHz	54.0	74.0		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																																						
Note: The more stringent limit applies at transition frequencies.																																									
Frequency	Limit (dBμV/m) @ 3m																																								
	Average	Peake																																							
Above 1 GHz	54.0	74.0																																							
Note: The measurement bandwidth shall be 1 MHz or greater.																																									

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 2.15 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	7957VHD	Product model:	7957VHD
Test by:	Kiran Zeng	Test mode:	Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

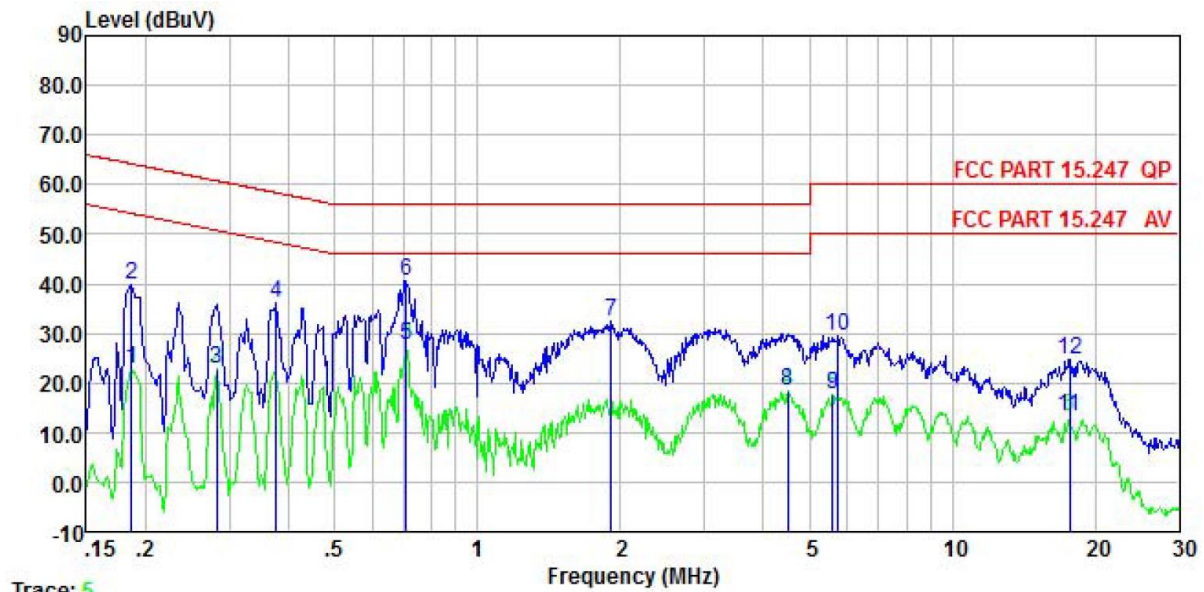


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.190	12.06	0.10	0.00	9.88	0.00	22.04	54.02	-31.98	Average
2	0.190	28.53	0.10	0.00	9.88	0.00	38.51	64.02	-25.51	QP
3	0.327	11.51	0.10	0.00	9.88	0.00	21.49	49.53	-28.04	Average
4	0.334	27.34	0.10	0.00	9.88	0.00	37.32	59.35	-22.03	QP
5	0.708	15.51	0.10	0.00	9.88	0.00	25.49	46.00	-20.51	Average
6	0.708	29.69	0.10	0.00	9.88	0.00	39.67	56.00	-16.33	QP
7	4.454	21.30	0.20	0.00	9.89	0.00	31.39	56.00	-24.61	QP
8	4.478	7.21	0.20	0.00	9.89	0.00	17.30	46.00	-28.70	Average
9	5.836	22.78	0.29	0.00	9.90	0.00	32.97	60.00	-27.03	QP
10	7.252	8.85	0.40	0.00	9.90	0.00	19.15	50.00	-30.85	Average
11	17.291	14.82	0.94	0.00	9.94	0.00	25.70	60.00	-34.30	QP
12	18.820	3.65	1.10	0.00	9.95	0.00	14.70	50.00	-35.30	Average

Remark:

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

Product name:	7957VHD	Product model:	7957VHD
Test by:	Kiran Zeng	Test mode:	Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



	Read Freq	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	12.93	0.10	0.00	9.88	0.00	22.91	54.20	-31.29	Average
2	0.186	29.72	0.10	0.00	9.88	0.00	39.70	64.20	-24.50	QP
3	0.282	12.72	0.10	0.00	9.88	0.00	22.70	50.76	-28.06	Average
4	0.377	26.10	0.10	0.00	9.88	0.00	36.08	58.34	-22.26	QP
5	0.708	17.61	0.10	0.00	9.88	0.00	27.59	46.00	-18.41	Average
6	0.708	30.66	0.10	0.00	9.88	0.00	40.64	56.00	-15.36	QP
7	1.908	22.27	0.19	0.00	9.88	0.00	32.34	56.00	-23.66	QP
8	4.501	8.21	0.25	0.00	9.89	0.00	18.35	46.00	-27.65	Average
9	5.594	7.60	0.33	0.00	9.90	0.00	17.83	50.00	-32.17	Average
10	5.744	19.39	0.34	0.00	9.90	0.00	29.63	60.00	-30.37	QP
11	17.661	2.16	1.04	0.00	9.95	0.00	13.15	50.00	-36.85	Average
12	17.661	13.83	1.04	0.00	9.95	0.00	24.82	60.00	-35.18	QP

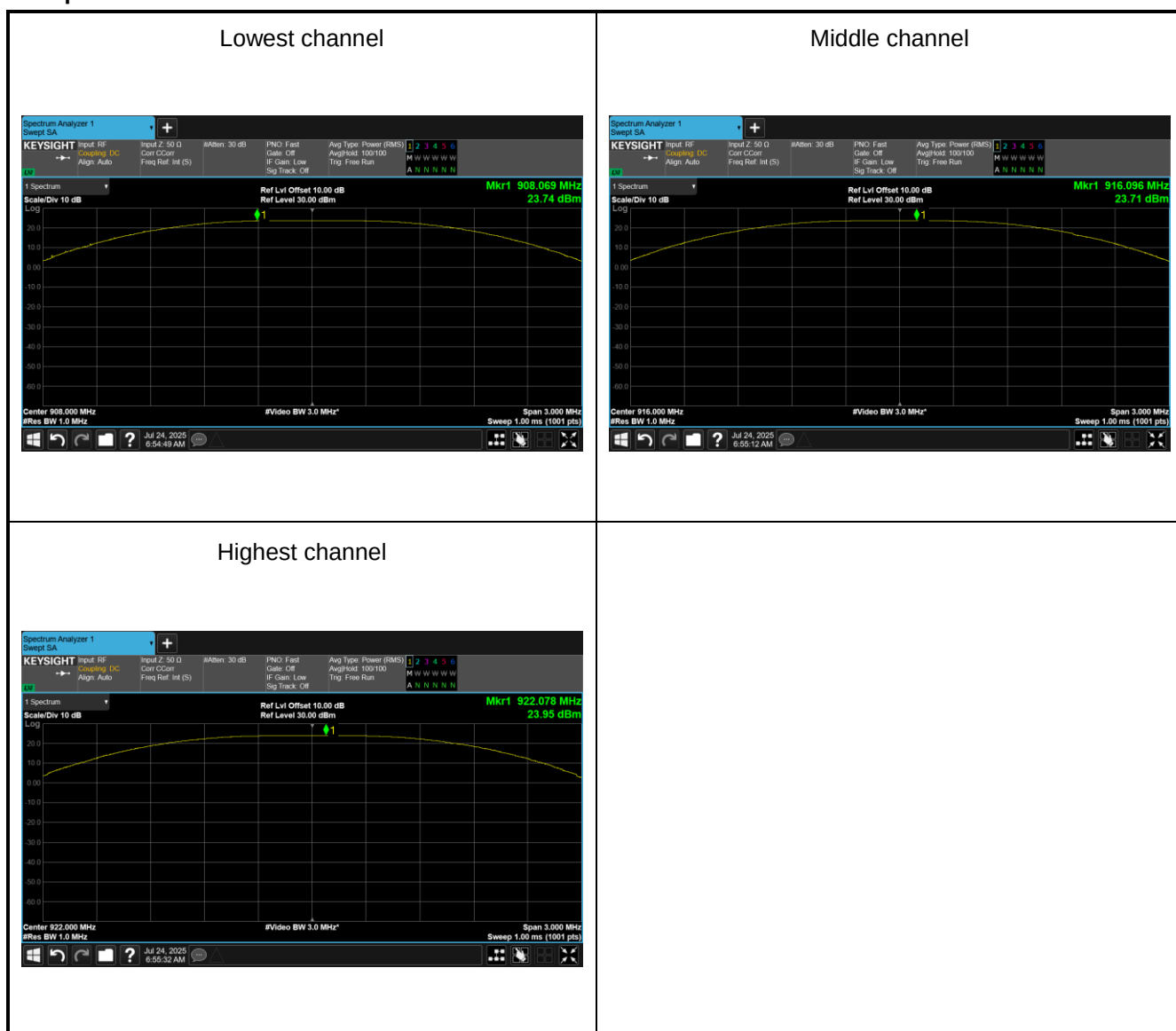
Remark:

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

5.4 Conducted Output Power

Test Channel	Maximum Output Power (dBm)	Limit(dBm)	Result
Lowest channel	23.74	30.00	Pass
Middle channel	23.71		
Highest channel	23.95		

Test plot as follows:

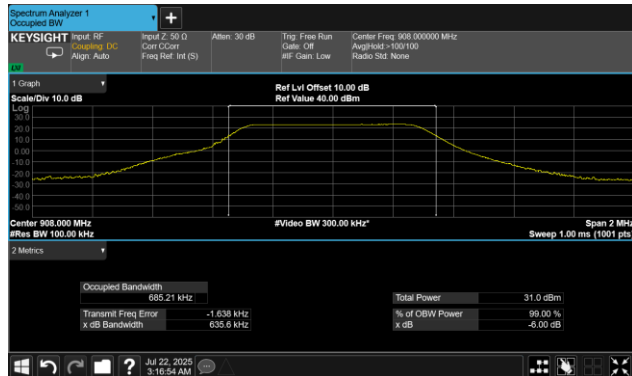


5.5 Emission Bandwidth

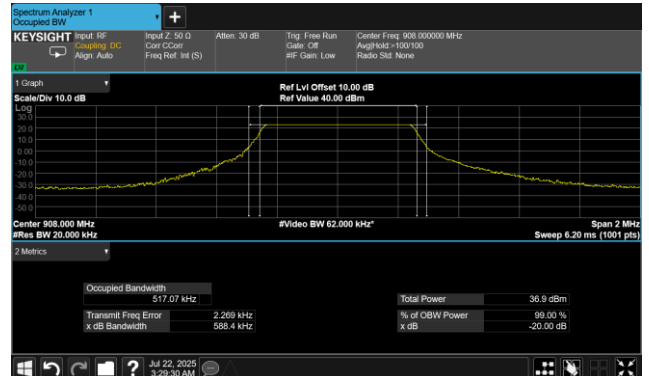
Test Channel	6dB Emission Bandwidth (MHz)	Limit (kHz)	Result
Lowest channel	0.6356	>500	Pass
Middle channel	0.6424		
Highest channel	0.6377		
Test Channel	99% Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest channel	0.51707	N/A	N/A
Middle channel	0.51630		
Highest channel	0.52016		

Test plot as follows:

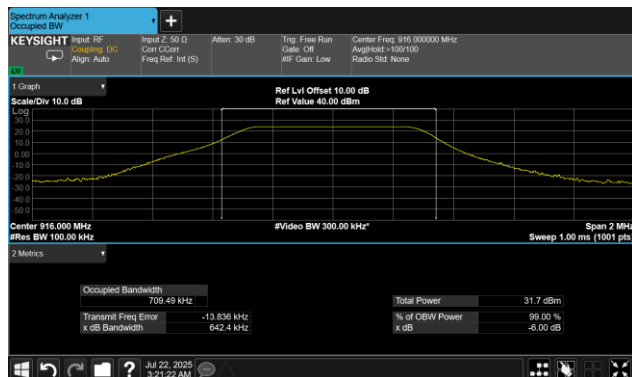
6dB EBW
Lowest channel



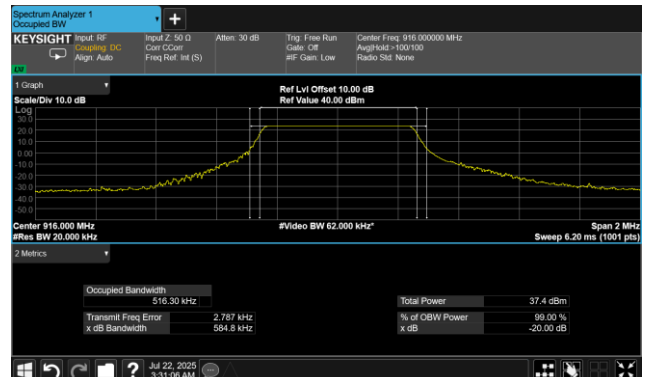
99% OBW
Lowest channel



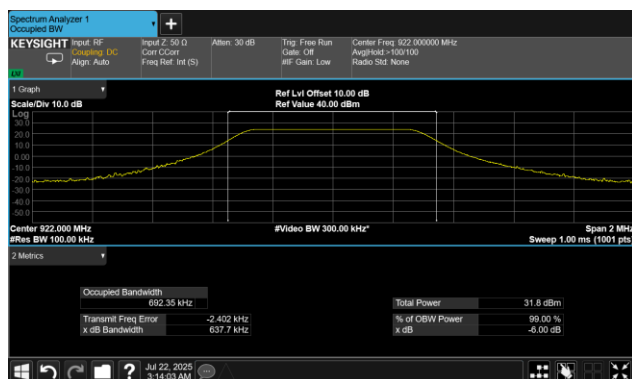
Middle channel



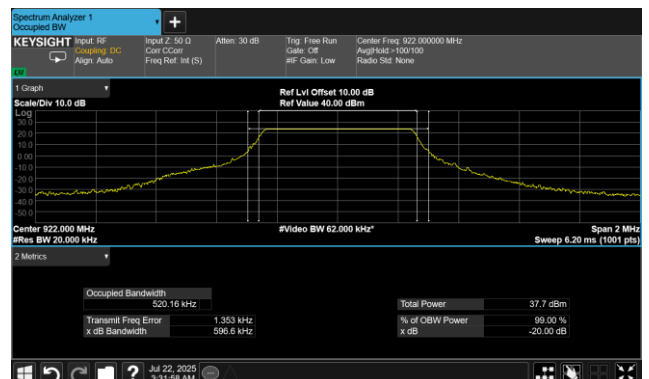
Middle channel



Highest channel



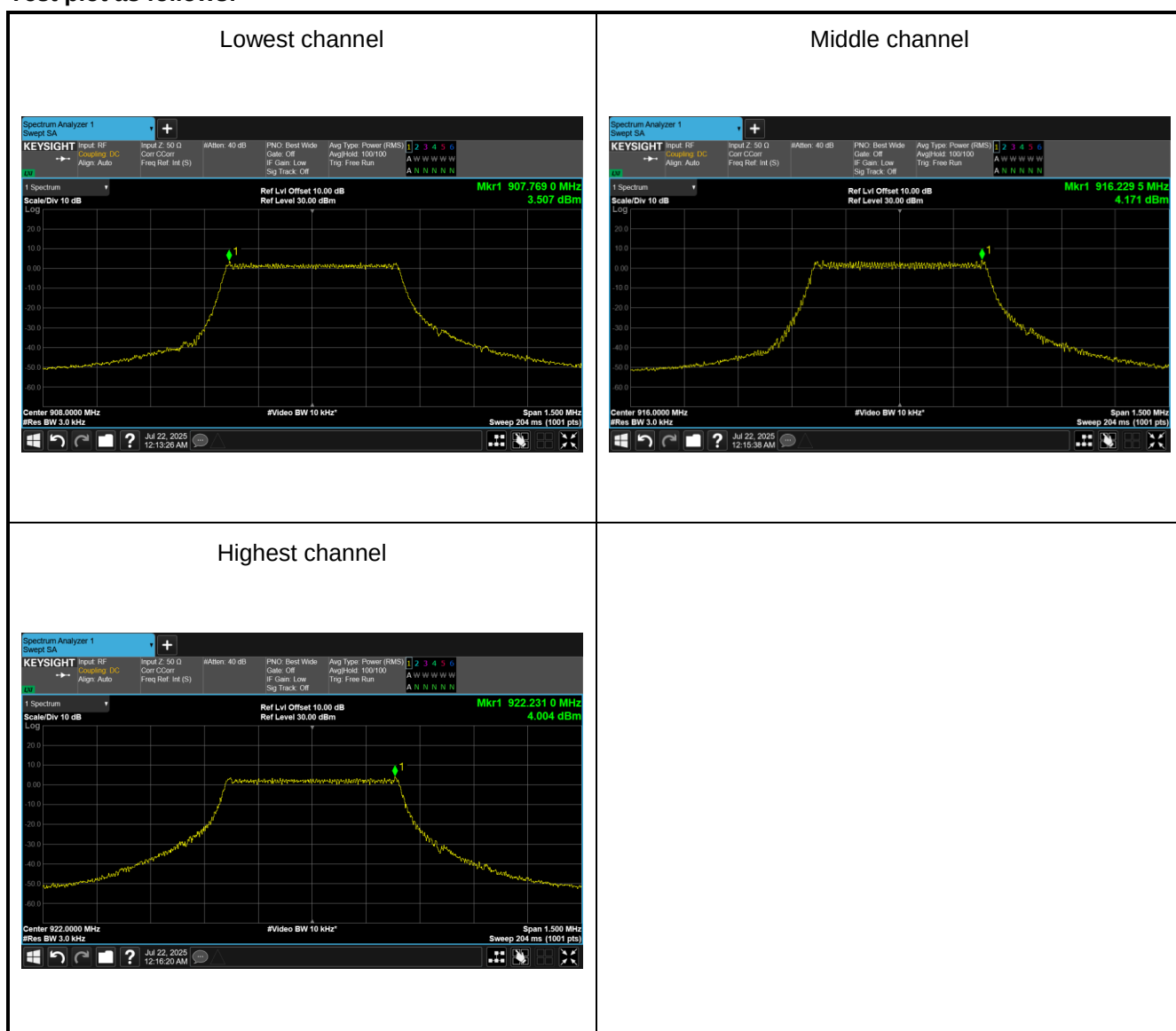
Highest channel



5.6 Power Spectral Density

Test Channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Lowest channel	3.507	8.00	Pass
Middle channel	4.171		
Highest channel	4.004		

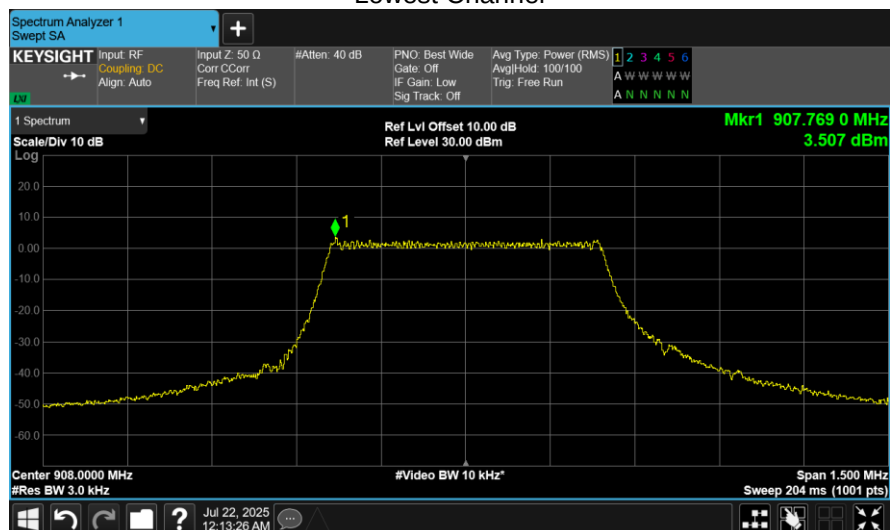
Test plot as follows:



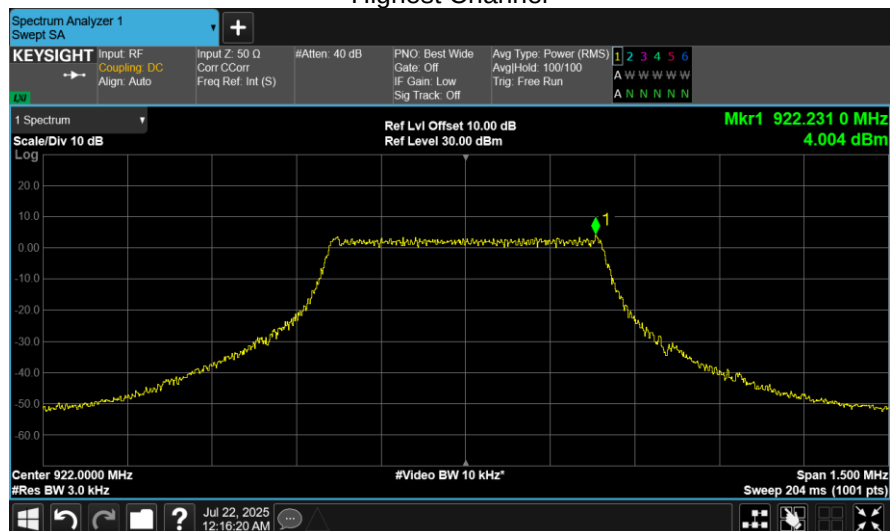
5.7 Spurious Emission

5.7.1 Band-edge Emission

Lowest Channel

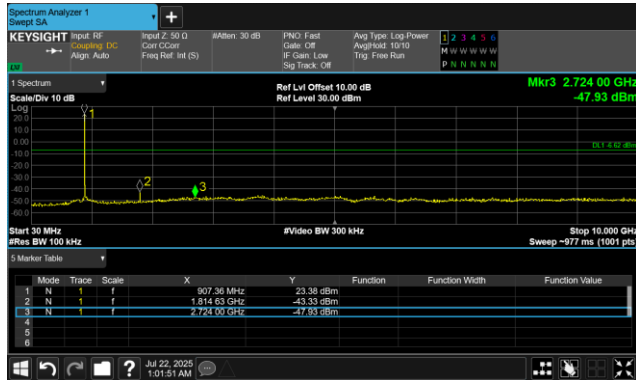


Highest Channel

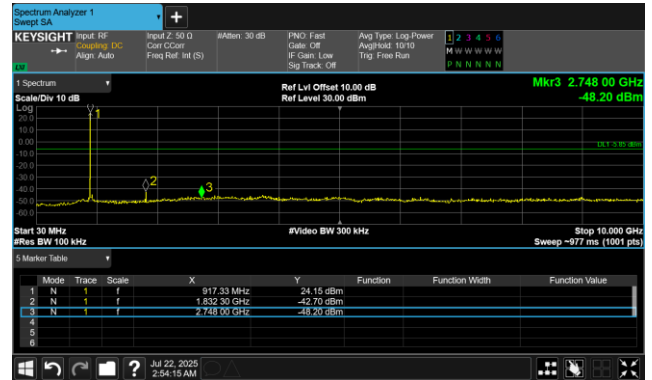


5.7.2 Conducted Spurious Emission

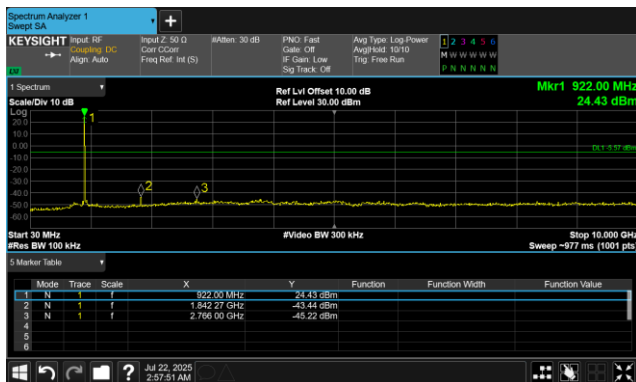
Lowest channel



Middle channel



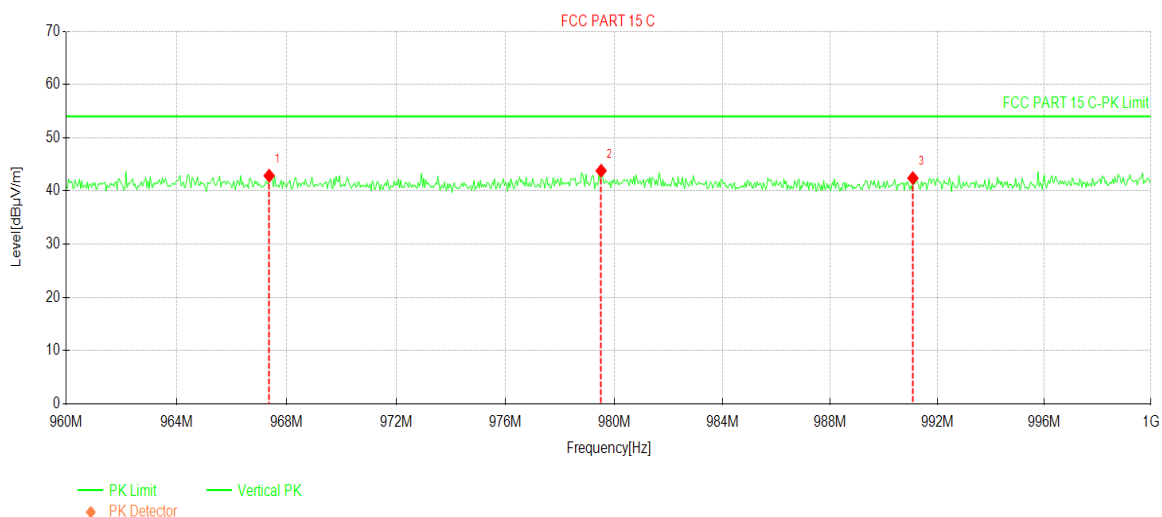
Highest channel



5.7.3 Emissions in Restricted Frequency Bands

908MHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		



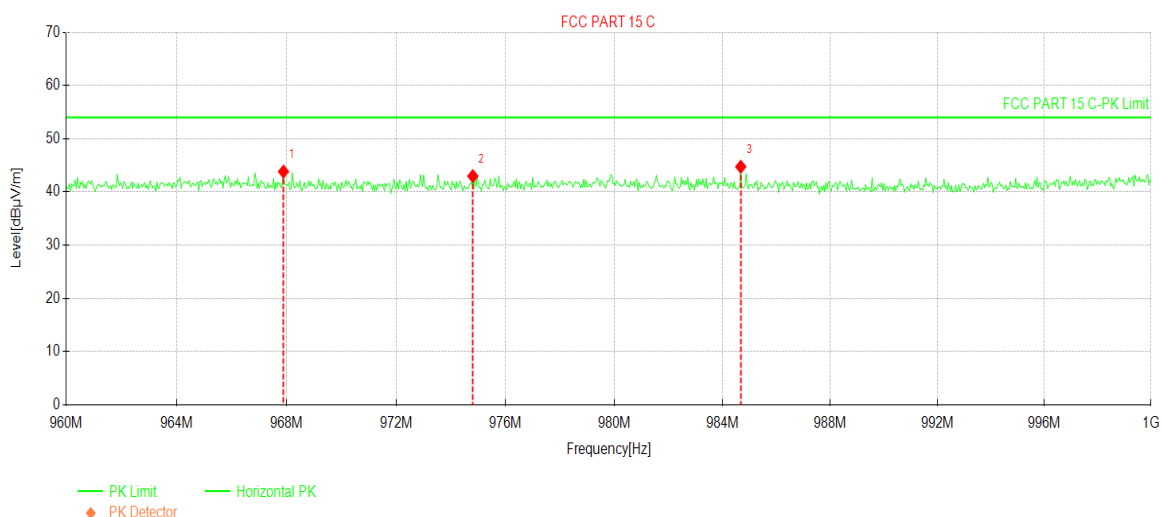
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	967.3600	14.89	27.97	42.86	54.00	11.14	PK	Vertical
2	979.5200	15.82	27.97	43.79	54.00	10.21	PK	Vertical
3	991.0800	14.41	28.00	42.41	54.00	11.59	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



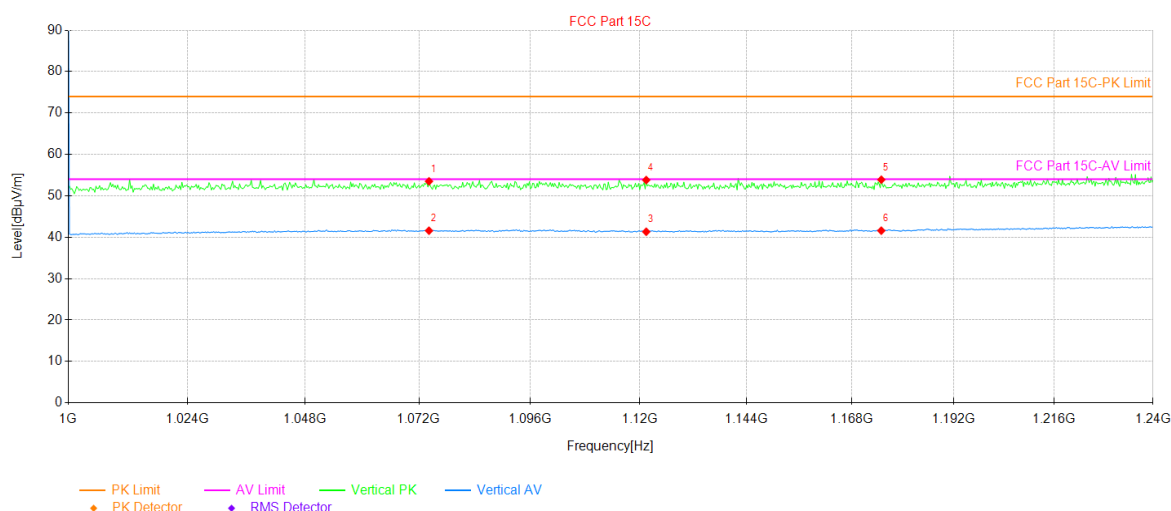
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	967.8800	15.84	27.99	43.83	54.00	10.17	PK	Horizontal
2	974.8000	15.01	27.96	42.97	54.00	11.03	PK	Horizontal
3	984.6800	16.75	27.99	44.74	54.00	9.26	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		



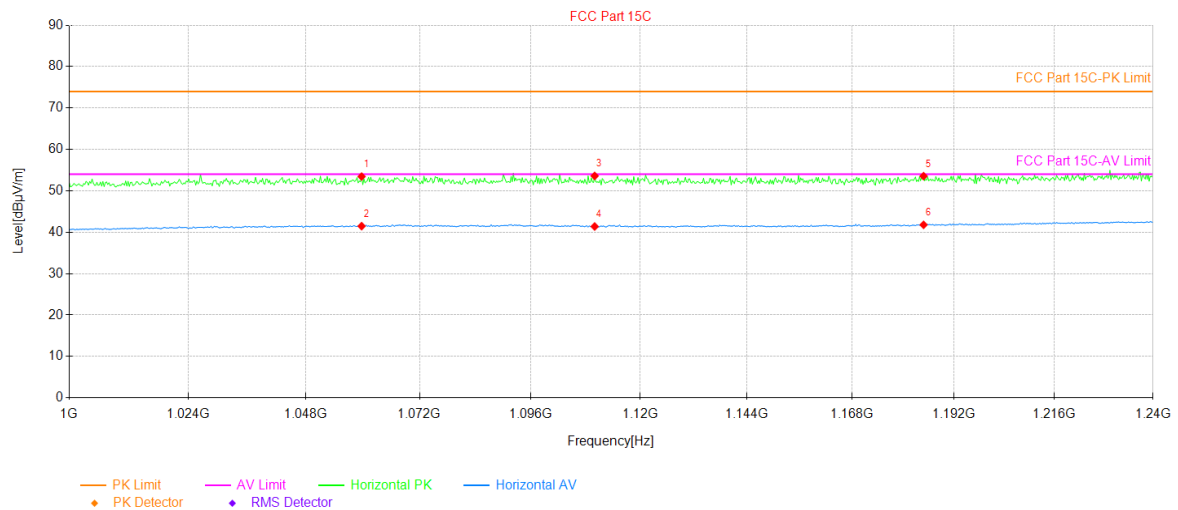
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1074.16	23.23	30.28	53.51	74.00	20.49	60	PK	PASS	Vertical
2	1074.16	11.30	30.28	41.58	54.00	12.42	330	AV	PASS	Vertical
3	1121.44	10.82	30.51	41.33	54.00	12.67	90	AV	PASS	Vertical
4	1121.44	23.30	30.51	53.81	74.00	20.19	320	PK	PASS	Vertical
5	1174.96	23.22	30.67	53.89	74.00	20.11	0	PK	PASS	Vertical
6	1174.96	10.92	30.67	41.59	54.00	12.41	60	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

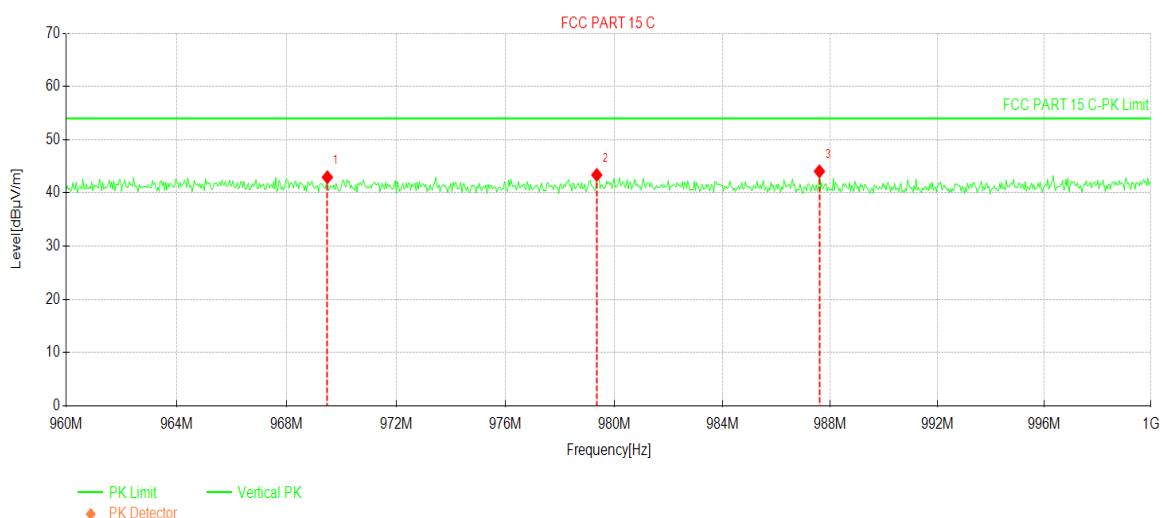
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1059.76	23.25	30.20	53.45	74.00	20.55	70	PK	PASS	Horizontal
2	1059.76	11.28	30.20	41.48	54.00	12.52	10	AV	PASS	Horizontal
3	1109.92	23.15	30.45	53.60	74.00	20.40	30	PK	PASS	Horizontal
4	1109.92	10.94	30.45	41.39	54.00	12.61	320	AV	PASS	Horizontal
5	1184.80	22.86	30.69	53.55	74.00	20.45	260	PK	PASS	Horizontal
6	1184.80	11.10	30.69	41.79	54.00	12.21	320	AV	PASS	Horizontal

Remark:

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

916MHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		



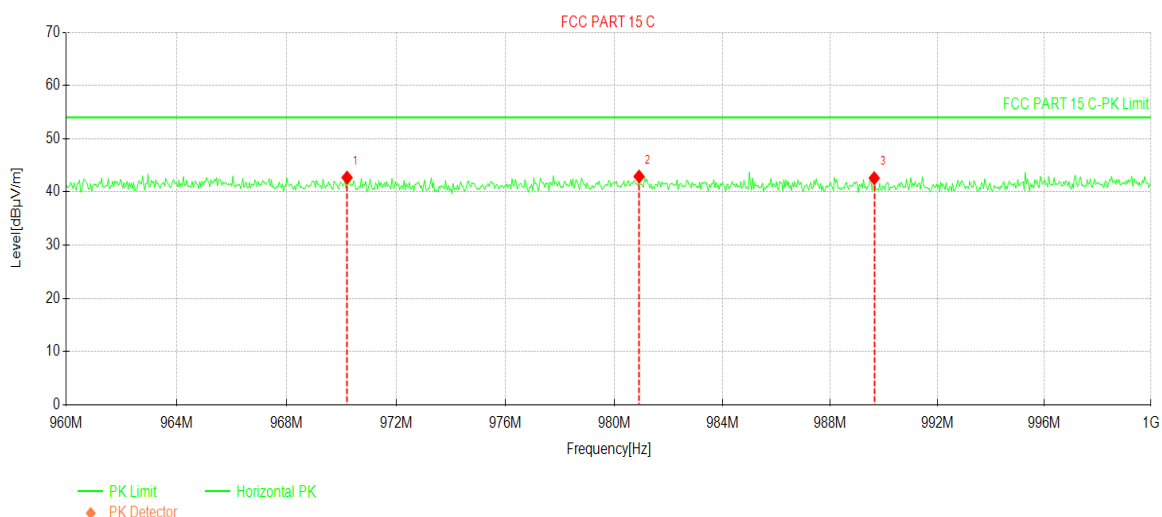
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	969.4800	14.92	28.03	42.95	54.00	11.05	PK	Vertical
2	979.3600	15.41	27.97	43.38	54.00	10.62	PK	Vertical
3	987.6000	16.12	27.94	44.06	54.00	9.94	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



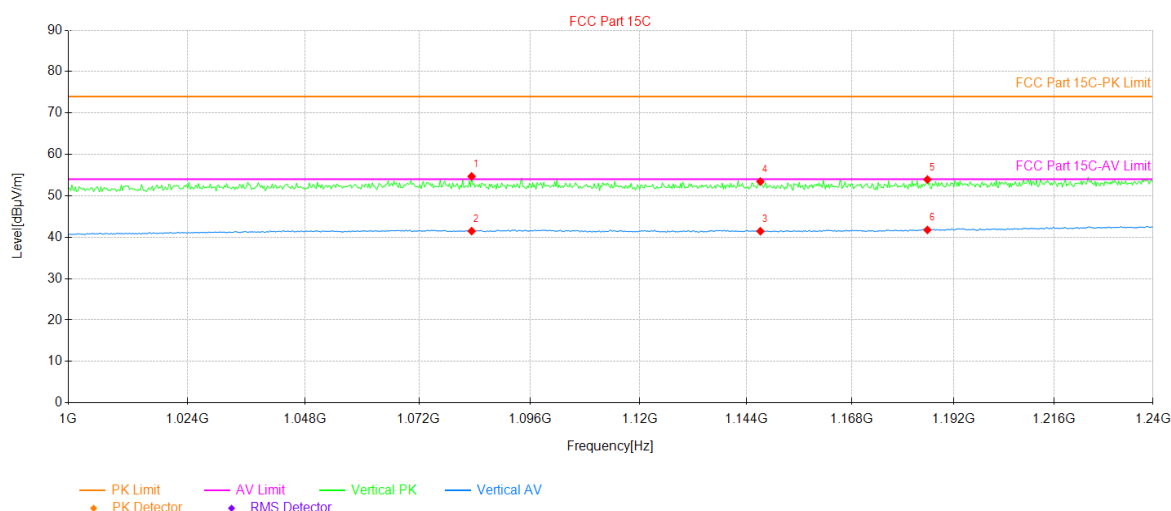
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	970.2000	14.67	28.03	42.70	54.00	11.30	PK	Horizontal
2	980.9200	14.93	27.97	42.90	54.00	11.10	PK	Horizontal
3	989.6400	14.66	27.94	42.60	54.00	11.40	PK	Horizontal

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		

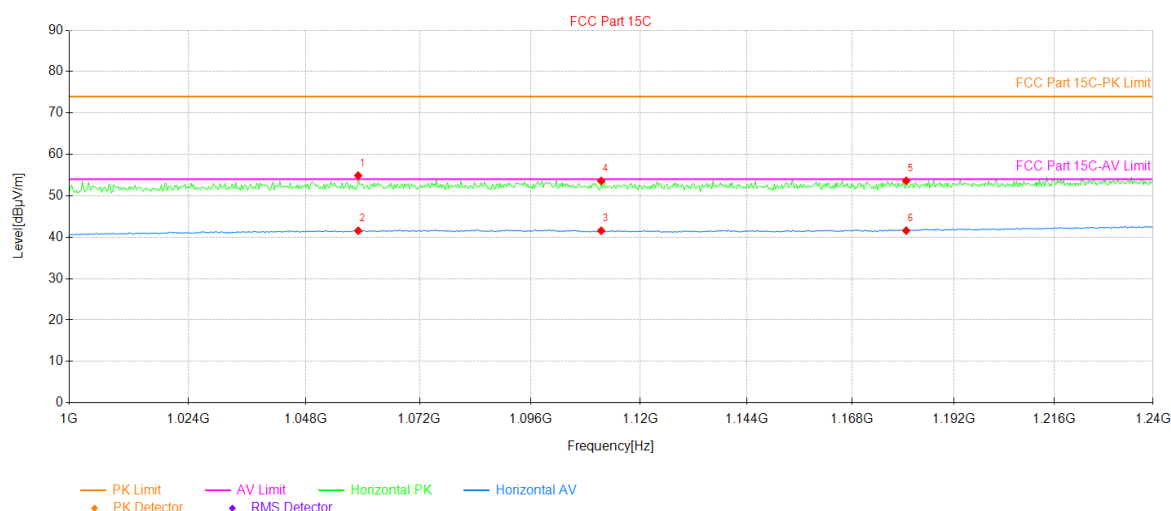


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1083.28	24.36	30.33	54.69	74.00	19.31	330	PK	PASS	Vertical
2	1083.28	11.15	30.33	41.48	54.00	12.52	280	AV	PASS	Vertical
3	1147.12	10.85	30.61	41.46	54.00	12.54	210	AV	PASS	Vertical
4	1147.12	22.83	30.61	53.44	74.00	20.56	180	PK	PASS	Vertical
5	1185.76	23.25	30.69	53.94	74.00	20.06	300	PK	PASS	Vertical
6	1185.76	11.08	30.69	41.77	54.00	12.23	160	AV	PASS	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



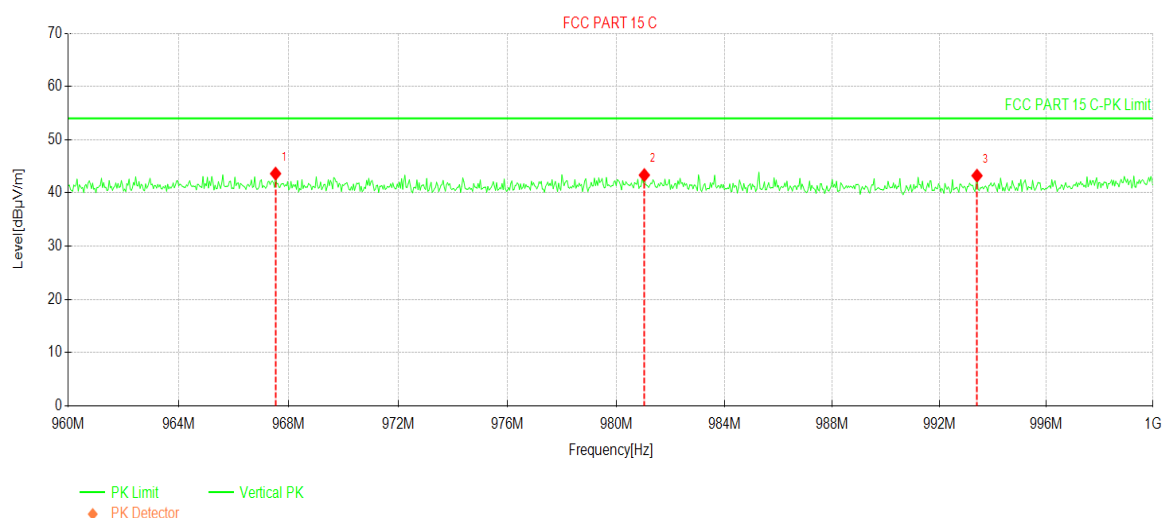
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1059.04	24.69	30.20	54.89	74.00	19.11	10	PK	PASS	Horizontal
2	1059.04	11.37	30.20	41.57	54.00	12.43	40	AV	PASS	Horizontal
3	1111.36	11.10	30.46	41.56	54.00	12.44	210	AV	PASS	Horizontal
4	1111.36	23.14	30.46	53.60	74.00	20.40	350	PK	PASS	Horizontal
5	1180.72	22.95	30.68	53.63	74.00	20.37	340	PK	PASS	Horizontal
6	1180.72	10.91	30.68	41.59	54.00	12.41	120	AV	PASS	Horizontal

Remark:

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

922MHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		



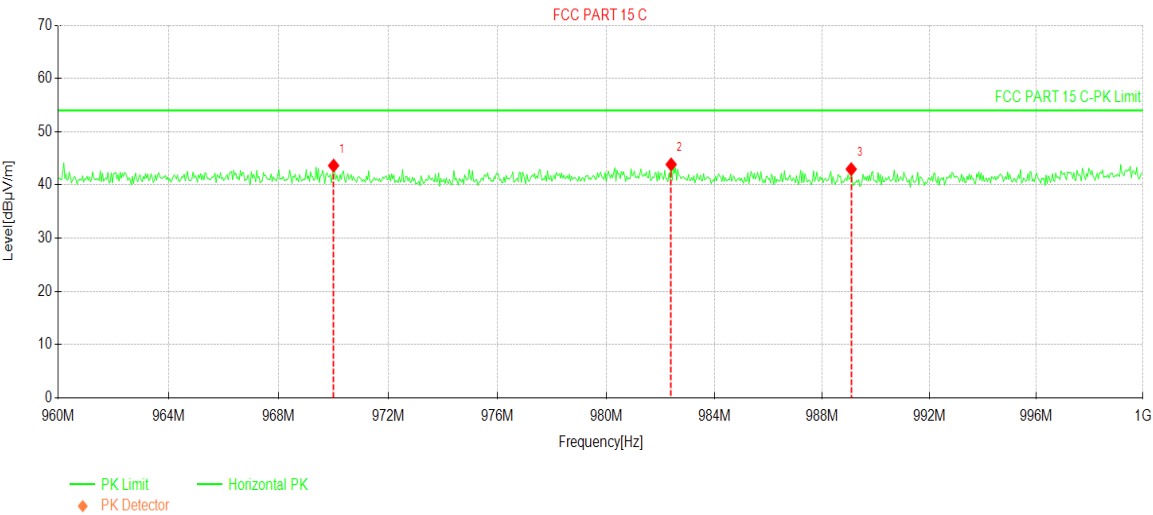
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	967.5200	15.64	27.98	43.62	54.00	10.38	PK	Vertical
2	981.0400	15.38	27.97	43.35	54.00	10.65	PK	Vertical
3	993.4000	15.14	28.10	43.24	54.00	10.76	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

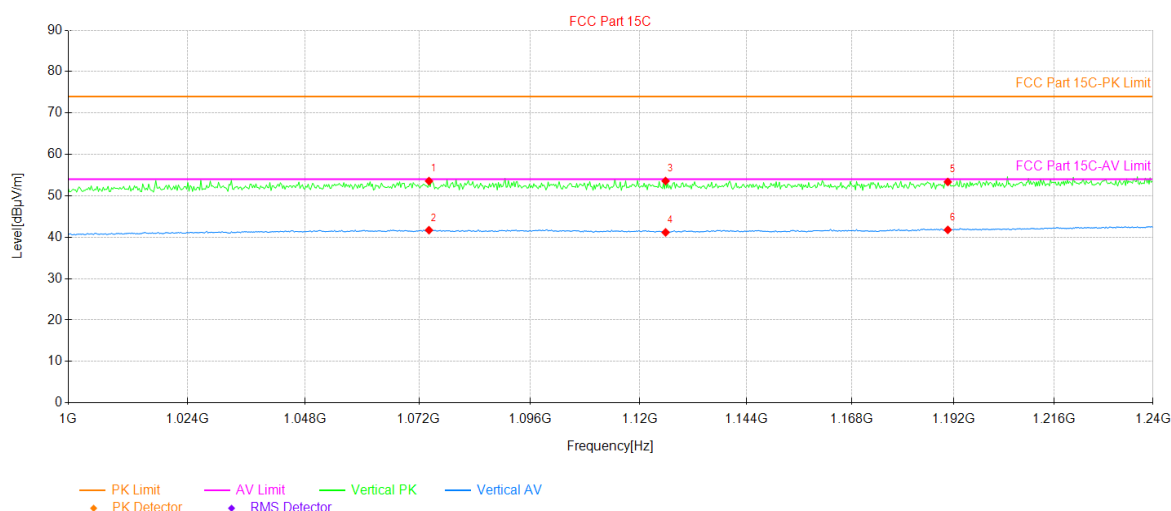


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	970.0000	15.59	28.04	43.63	54.00	10.37	PK	Horizontal
2	982.4000	15.87	27.98	43.85	54.00	10.15	PK	Horizontal
3	989.0800	15.05	27.92	42.97	54.00	11.03	PK	Horizontal

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.7V		



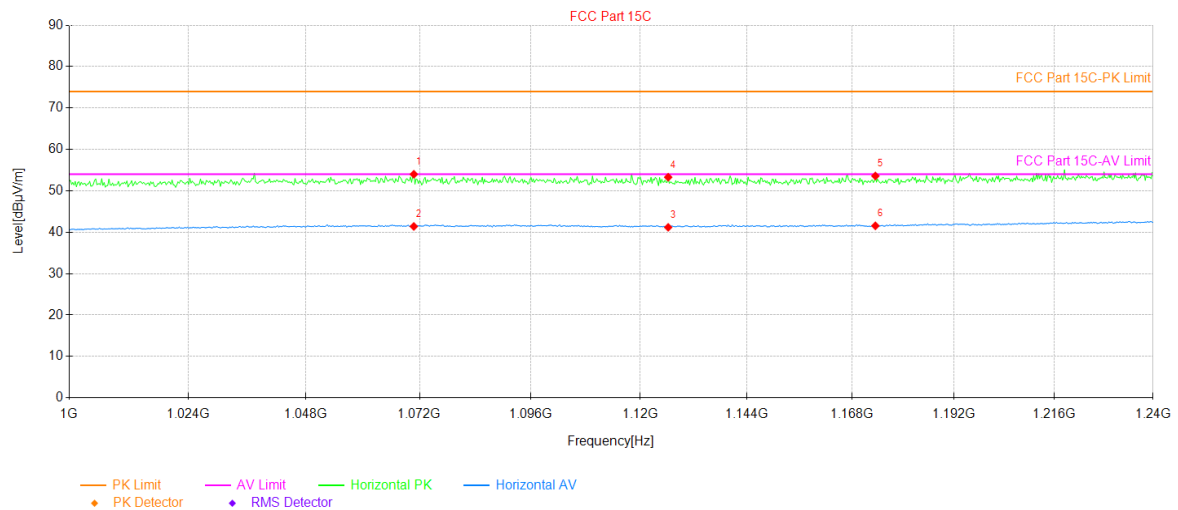
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1074.16	23.29	30.28	53.57	74.00	20.43	230	PK	PASS	Vertical
2	1074.16	11.43	30.28	41.71	54.00	12.29	130	AV	PASS	Vertical
3	1125.76	23.05	30.53	53.58	74.00	20.42	0	PK	PASS	Vertical
4	1125.76	10.64	30.53	41.17	54.00	12.83	80	AV	PASS	Vertical
5	1190.56	22.66	30.70	53.36	74.00	20.64	20	PK	PASS	Vertical
6	1190.56	11.08	30.70	41.78	54.00	12.22	20	AV	PASS	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Channel:	Highest channel	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	1070.80	23.74	30.26	54.00	74.00	20.00	90	PK	PASS	Horizontal
2	1070.80	11.14	30.26	41.40	54.00	12.60	300	AV	PASS	Horizontal
3	1126.24	10.66	30.53	41.19	54.00	12.81	250	AV	PASS	Horizontal
4	1126.24	22.76	30.53	53.29	74.00	20.71	80	PK	PASS	Horizontal
5	1173.52	22.92	30.67	53.59	74.00	20.41	160	PK	PASS	Horizontal
6	1173.52	10.88	30.67	41.55	54.00	12.45	140	AV	PASS	Horizontal

Remark:

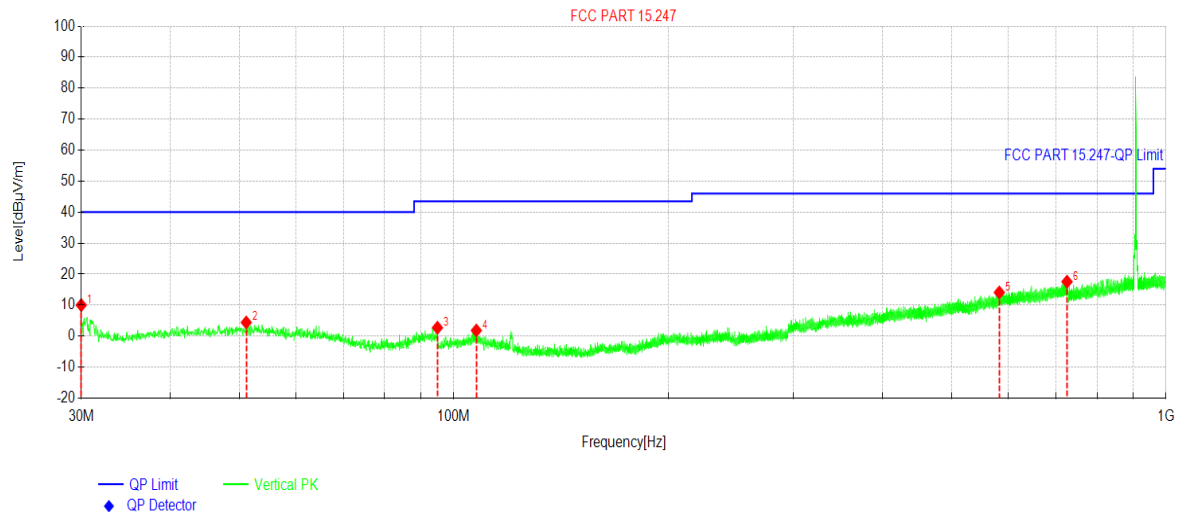
1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

5.7.4 Emissions in Non-restricted Frequency Bands

908MHz:

Below 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



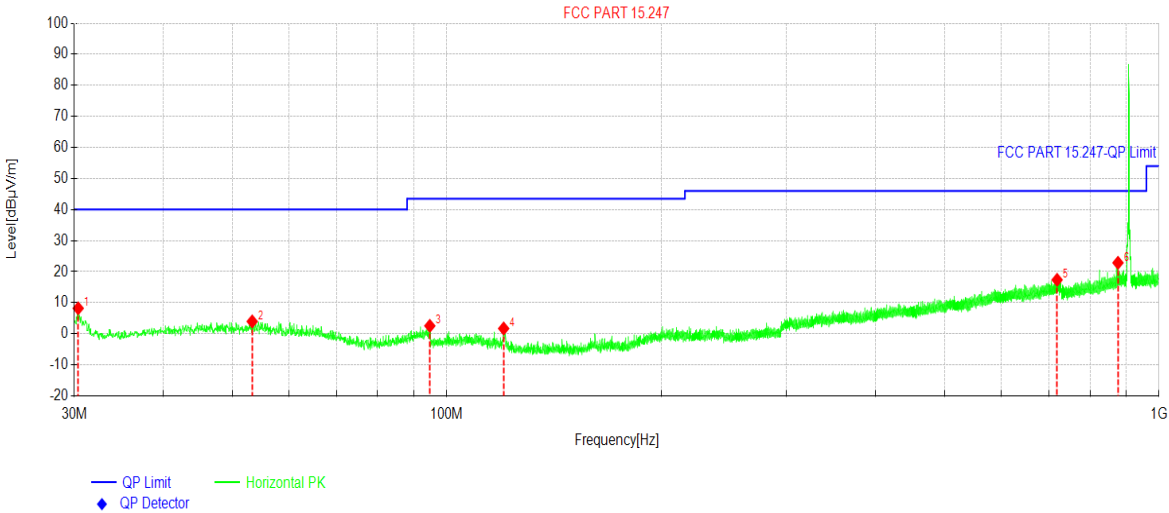
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.0000	25.37	-15.37	10.00	40.00	30.00	PK	Vertical
2	51.1471	17.17	-12.75	4.42	40.00	35.58	PK	Vertical
3	94.8962	17.72	-15.01	2.71	43.50	40.79	PK	Vertical
4	107.6039	15.98	-14.16	1.82	43.50	41.68	PK	Vertical
5	583.4127	19.46	-5.38	14.08	46.00	31.92	PK	Vertical
6	726.2038	20.38	-2.82	17.56	46.00	28.44	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

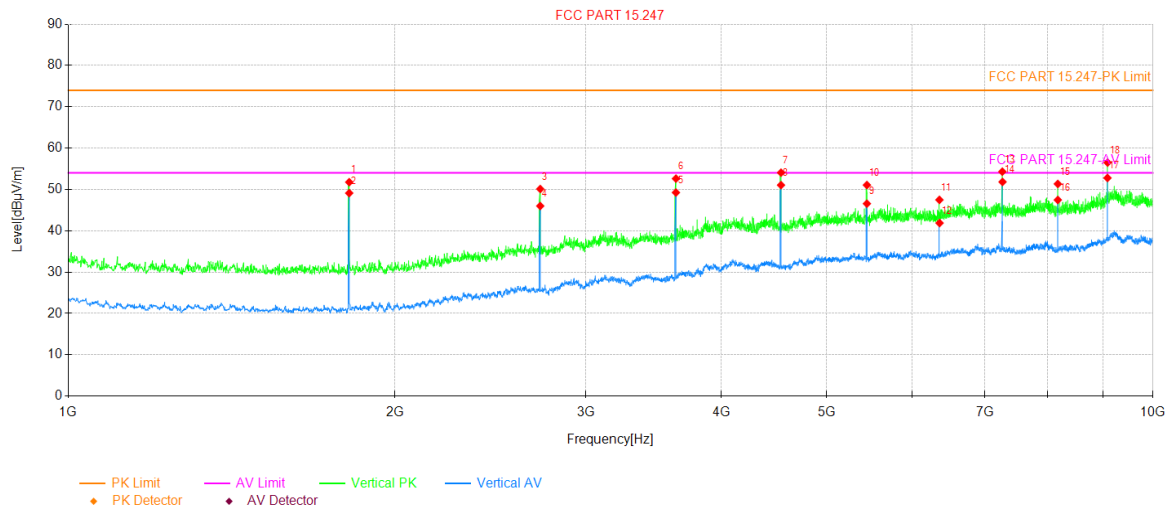
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.3880	23.73	-15.52	8.21	40.00	31.79	PK	Horizontal
2	53.3297	16.73	-12.77	3.96	40.00	36.04	PK	Horizontal
3	94.7022	17.62	-15.08	2.54	43.50	40.96	PK	Horizontal
4	120.2145	17.79	-16.10	1.69	43.50	41.81	PK	Horizontal
5	719.3650	20.16	-2.79	17.37	46.00	28.63	PK	Horizontal
6	875.8338	22.88	-0.02	22.86	46.00	23.14	PK	Horizontal

Remark:

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

Above 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



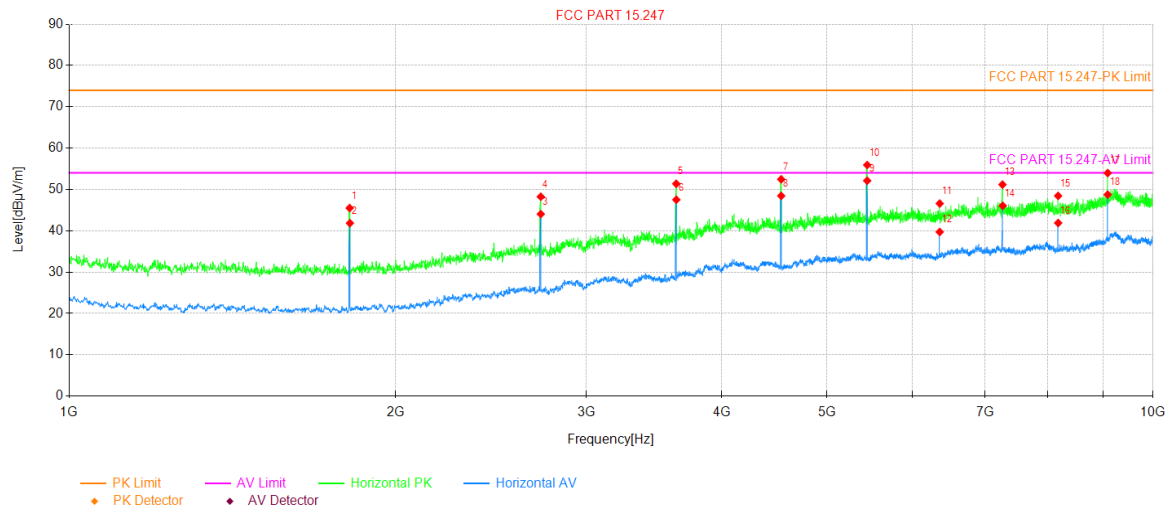
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1815.63	74.41	-22.65	51.76	74.00	22.24	185	PK	PASS	Vertical
2	1815.63	71.77	-22.65	49.12	54.00	4.88	185	AV	PASS	Vertical
3	2723.50	67.63	-17.52	50.11	74.00	23.89	344	PK	PASS	Vertical
4	2723.50	63.52	-17.52	46.00	54.00	8.00	344	AV	PASS	Vertical
5	3632.50	61.95	-12.69	49.26	54.00	4.74	2	AV	PASS	Vertical
6	3632.50	65.32	-12.69	52.63	74.00	21.37	2	PK	PASS	Vertical
7	4540.38	63.12	-9.06	54.06	74.00	19.94	282	PK	PASS	Vertical
8	4540.38	60.11	-9.06	51.05	54.00	2.95	282	AV	PASS	Vertical
9	5448.25	53.43	-6.86	46.57	54.00	7.43	330	AV	PASS	Vertical
10	5448.25	57.93	-6.86	51.07	74.00	22.93	302	PK	PASS	Vertical
11	6355.00	53.41	-5.93	47.48	74.00	26.52	360	PK	PASS	Vertical
12	6357.25	47.80	-5.92	41.88	54.00	12.12	13	AV	PASS	Vertical
13	7262.88	58.13	-3.82	54.31	74.00	19.69	33	PK	PASS	Vertical
14	7266.25	55.66	-3.83	51.83	54.00	2.17	360	AV	PASS	Vertical
15	8170.75	53.63	-2.29	51.34	74.00	22.66	356	PK	PASS	Vertical
16	8170.75	49.75	-2.29	47.46	54.00	6.54	350	AV	PASS	Vertical
17	9078.63	52.59	0.19	52.78	54.00	1.22	47	AV	PASS	Vertical
18	9082.00	56.29	0.21	56.50	74.00	14.00	330	PK	PASS	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
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	1814.50	68.16	-22.66	45.50	74.00	28.50	175	PK	PASS	Horizontal
2	1815.63	64.50	-22.65	41.85	54.00	12.15	182	AV	PASS	Horizontal
3	2723.50	61.57	-17.52	44.05	54.00	9.95	148	AV	PASS	Horizontal
4	2723.50	65.77	-17.52	48.25	74.00	25.75	162	PK	PASS	Horizontal
5	3631.38	64.10	-12.72	51.38	74.00	22.62	175	PK	PASS	Horizontal
6	3632.50	60.21	-12.69	47.52	54.00	6.48	162	AV	PASS	Horizontal
7	4539.25	61.52	-9.06	52.46	74.00	21.54	155	PK	PASS	Horizontal
8	4539.25	57.51	-9.06	48.45	54.00	5.55	142	AV	PASS	Horizontal
9	5448.25	58.98	-6.86	52.12	54.00	1.88	2	AV	PASS	Horizontal
10	5448.25	62.78	-6.86	55.92	74.00	16.58	13	PK	PASS	Horizontal
11	6356.13	52.52	-5.92	46.60	74.00	27.40	148	PK	PASS	Horizontal
12	6356.13	45.64	-5.92	39.72	54.00	14.28	142	AV	PASS	Horizontal
13	7262.88	55.00	-3.82	51.18	74.00	22.82	46	PK	PASS	Horizontal
14	7266.25	49.88	-3.83	46.05	54.00	7.95	53	AV	PASS	Horizontal
15	8174.13	50.75	-2.30	48.45	74.00	25.55	13	PK	PASS	Horizontal
16	8174.13	44.19	-2.30	41.89	54.00	12.11	20	AV	PASS	Horizontal
17	9082.00	53.77	0.21	53.98	74.00	20.02	291	PK	PASS	Horizontal
18	9082.00	48.55	0.21	48.76	54.00	5.24	291	AV	PASS	Horizontal

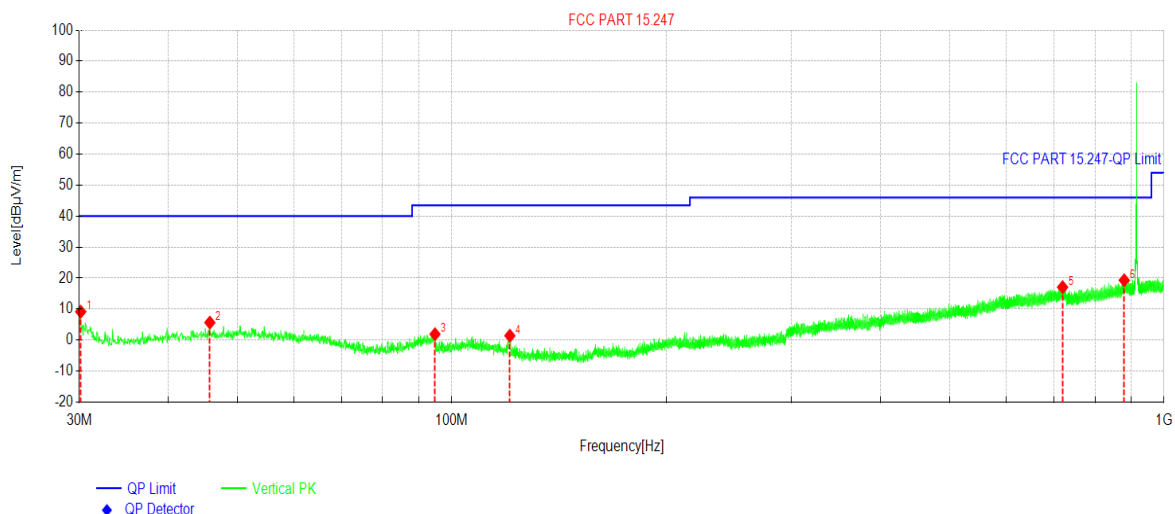
Remark:

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

916MHz:

Below 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



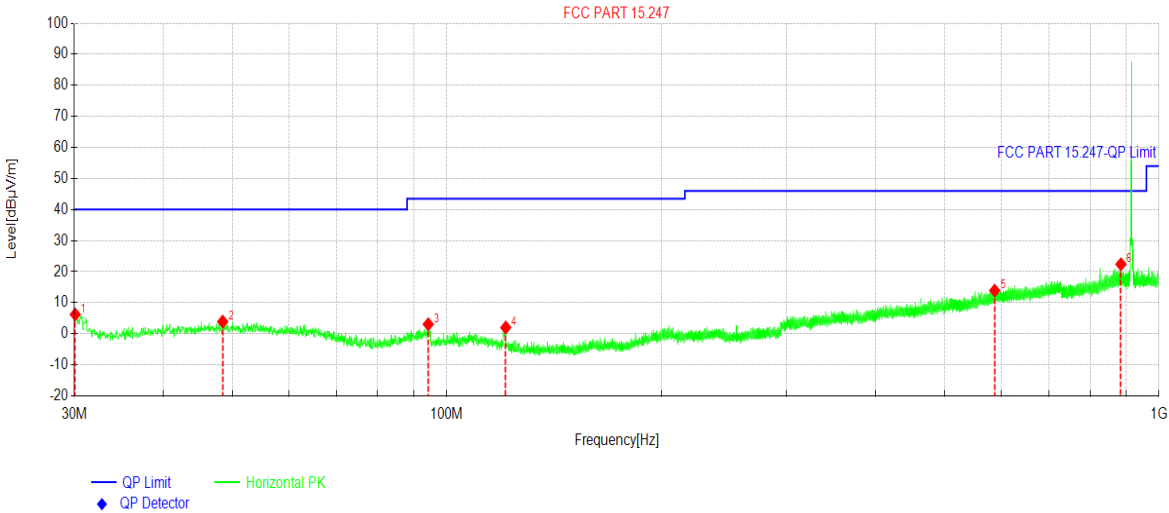
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.1455	24.62	-15.43	9.19	40.00	30.81	PK	Vertical
2	45.7633	18.30	-12.64	5.66	40.00	34.34	PK	Vertical
3	94.7507	16.98	-15.06	1.92	43.50	41.58	PK	Vertical
4	120.6995	17.59	-16.16	1.43	43.50	42.07	PK	Vertical
5	720.6260	19.87	-2.78	17.09	46.00	28.91	PK	Vertical
6	879.4230	19.23	0.08	19.31	46.00	26.69	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		

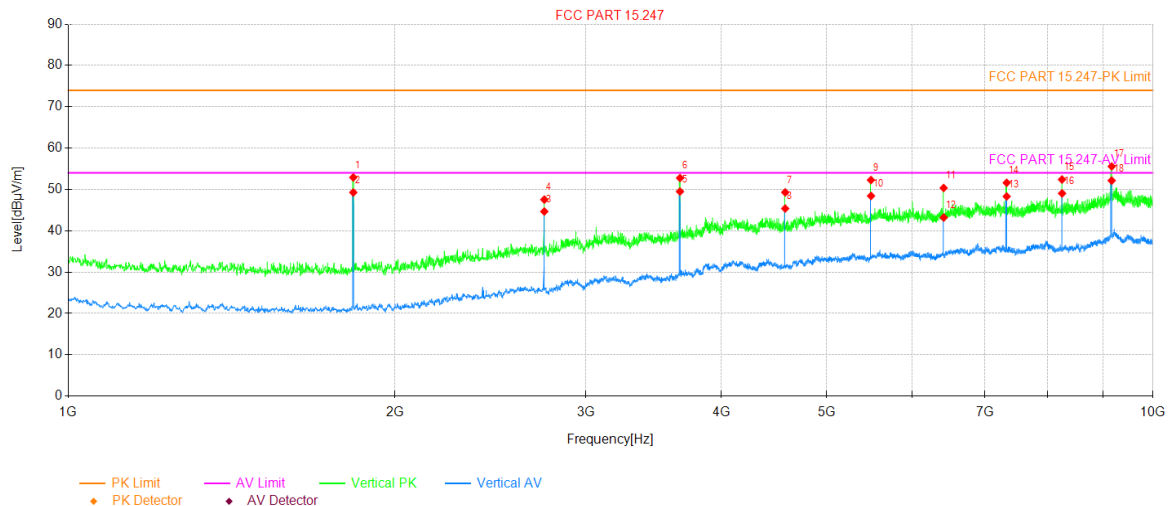


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.0970	21.63	-15.41	6.22	40.00	33.78	PK	Horizontal
2	48.4794	16.58	-12.67	3.91	40.00	36.09	PK	Horizontal
3	94.2172	18.31	-15.26	3.05	43.50	40.45	PK	Horizontal
4	121.0391	18.22	-16.20	2.02	43.50	41.48	PK	Horizontal
5	587.9719	19.11	-5.21	13.90	46.00	32.10	PK	Horizontal
6	884.2732	22.30	0.10	22.40	46.00	23.60	PK	Horizontal

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

Above 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



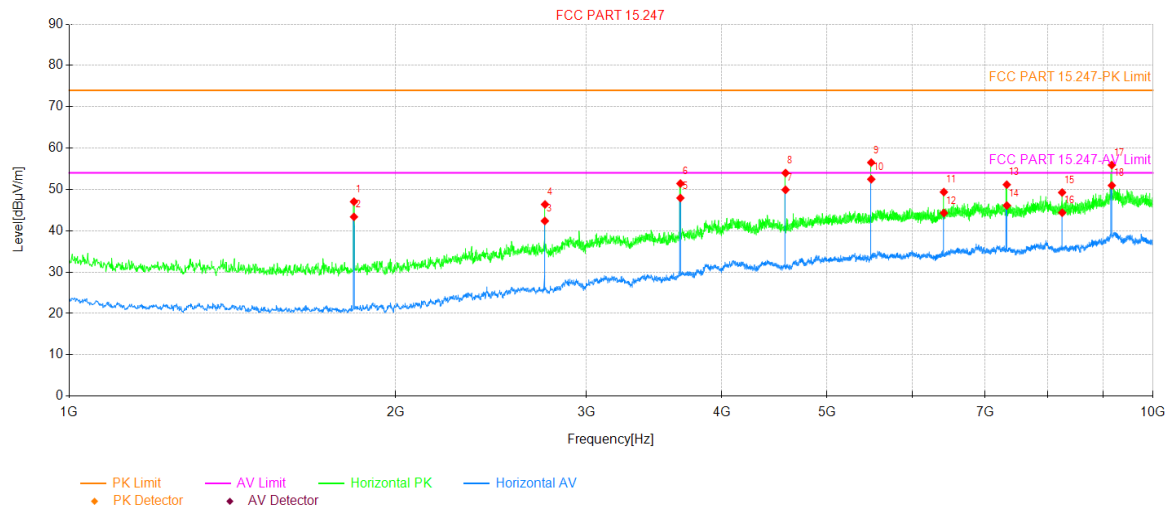
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1831.38	75.37	-22.46	52.91	74.00	21.09	354	PK	PASS	Vertical
2	1831.38	71.73	-22.46	49.27	54.00	4.73	358	AV	PASS	Vertical
3	2747.13	62.15	-17.48	44.67	54.00	9.33	347	AV	PASS	Vertical
4	2747.13	65.03	-17.48	47.55	74.00	26.45	347	PK	PASS	Vertical
5	3664.00	61.50	-12.00	49.50	54.00	4.50	333	AV	PASS	Vertical
6	3664.00	64.77	-12.00	52.77	74.00	21.23	333	PK	PASS	Vertical
7	4580.88	58.44	-9.14	49.30	74.00	24.70	250	PK	PASS	Vertical
8	4580.88	54.53	-9.14	45.39	54.00	8.61	250	AV	PASS	Vertical
9	5495.50	59.12	-6.84	52.28	74.00	21.72	271	PK	PASS	Vertical
10	5496.63	55.28	-6.84	48.44	54.00	5.56	320	AV	PASS	Vertical
11	6412.38	55.90	-5.54	50.36	74.00	23.64	358	PK	PASS	Vertical
12	6413.50	48.75	-5.54	43.21	54.00	10.79	354	AV	PASS	Vertical
13	7330.38	52.26	-3.95	48.31	54.00	5.69	347	AV	PASS	Vertical
14	7330.38	55.57	-3.95	51.62	74.00	22.38	347	PK	PASS	Vertical
15	8243.88	54.76	-2.35	52.41	74.00	21.59	333	PK	PASS	Vertical
16	8245.00	51.40	-2.35	49.05	54.00	4.95	358	AV	PASS	Vertical
17	9160.75	54.55	1.02	55.57	74.00	14.93	358	PK	PASS	Vertical
18	9160.75	51.12	1.02	52.14	54.00	1.86	333	AV	PASS	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
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	69.50	-22.46	47.04	74.00	26.96	172	PK	PASS	Horizontal
2	1831.38	65.83	-22.46	43.37	54.00	10.63	296	AV	PASS	Horizontal
3	2747.13	59.86	-17.48	42.38	54.00	11.62	242	AV	PASS	Horizontal
4	2748.25	63.85	-17.47	46.38	74.00	27.62	207	PK	PASS	Horizontal
5	3664.00	59.93	-12.00	47.93	54.00	6.07	339	AV	PASS	Horizontal
6	3664.00	63.43	-12.00	51.43	74.00	22.57	339	PK	PASS	Horizontal
7	4580.88	59.06	-9.14	49.92	54.00	4.08	165	AV	PASS	Horizontal
8	4580.88	63.11	-9.14	53.97	74.00	20.03	165	PK	PASS	Horizontal
9	5495.50	63.34	-6.84	56.50	74.00	17.50	357	PK	PASS	Horizontal
10	5495.50	59.31	-6.84	52.47	54.00	1.53	357	AV	PASS	Horizontal
11	6412.38	54.91	-5.54	49.37	74.00	24.63	137	PK	PASS	Horizontal
12	6413.50	49.84	-5.54	44.30	54.00	9.70	123	AV	PASS	Horizontal
13	7329.25	55.11	-3.95	51.16	74.00	22.84	317	PK	PASS	Horizontal
14	7330.38	50.06	-3.95	46.11	54.00	7.89	317	AV	PASS	Horizontal
15	8243.88	51.62	-2.35	49.27	74.00	24.73	345	PK	PASS	Horizontal
16	8245.00	46.73	-2.35	44.38	54.00	9.62	317	AV	PASS	Horizontal
17	9161.88	54.89	1.03	55.92	74.00	18.08	296	PK	PASS	Horizontal
18	9161.88	49.94	1.03	50.97	54.00	3.03	296	AV	PASS	Horizontal

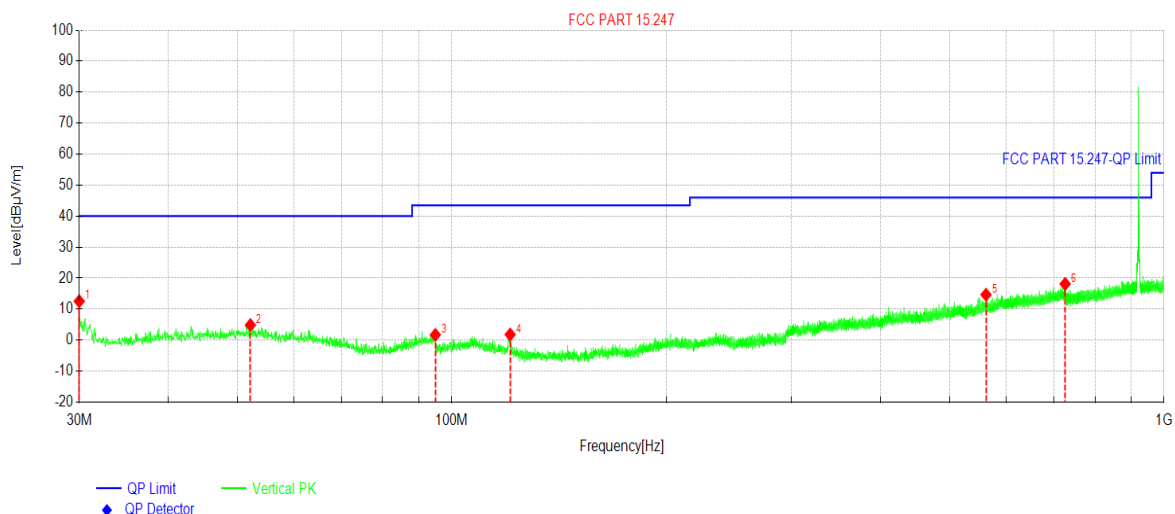
Remark:

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

922MHz:

Below 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



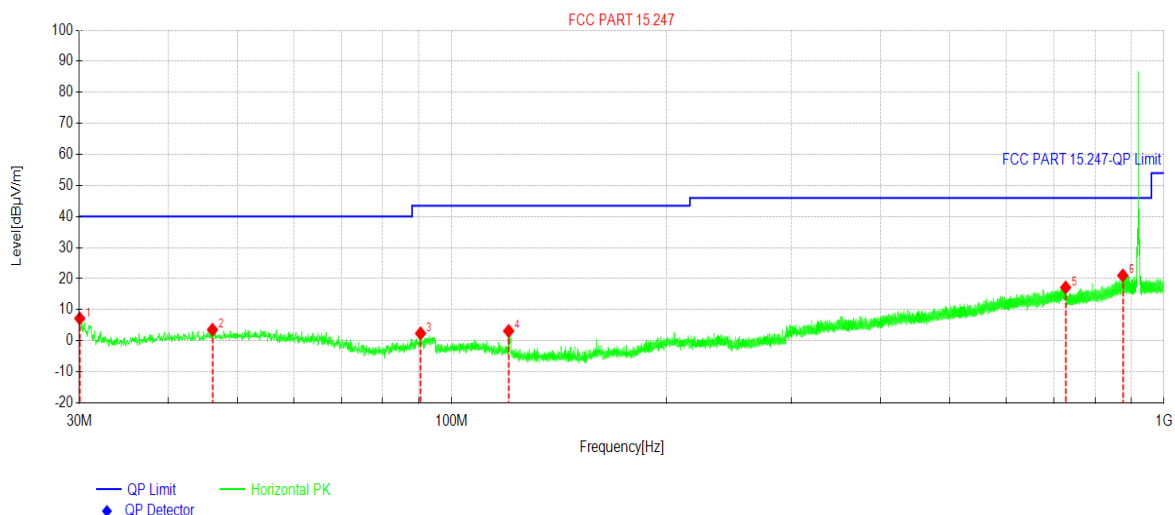
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.0000	27.93	-15.37	12.56	40.00	27.44	PK	Vertical
2	52.1656	17.65	-12.78	4.87	40.00	35.13	PK	Vertical
3	94.8477	16.73	-15.03	1.70	43.50	41.80	PK	Vertical
4	120.7965	17.98	-16.17	1.81	43.50	41.69	PK	Vertical
5	562.5081	20.73	-6.08	14.65	46.00	31.35	PK	Vertical
6	726.4463	20.93	-2.81	18.12	46.00	27.88	PK	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.7V		



Suspected Data List

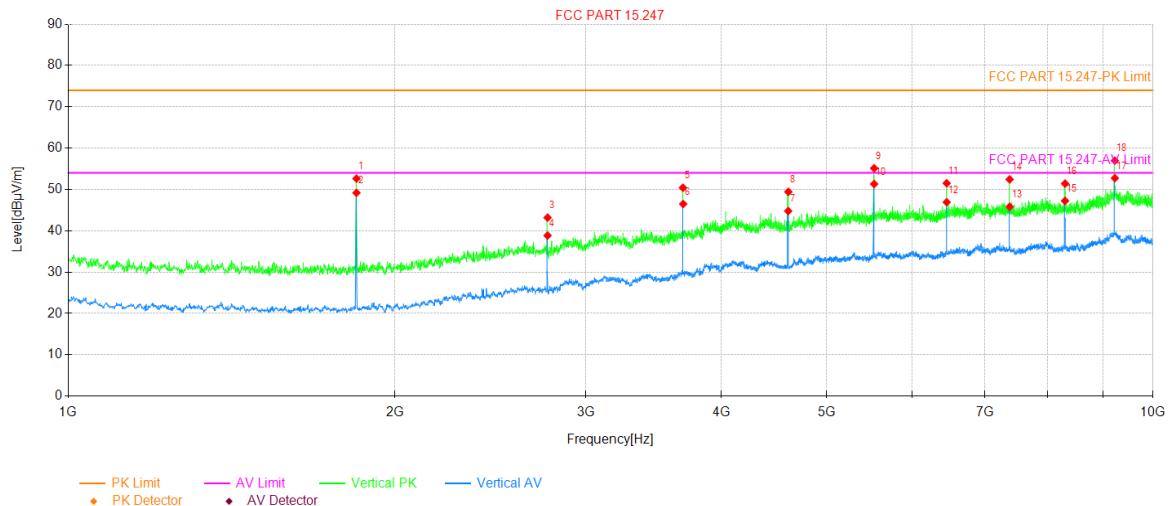
NO.	Freq. [MHz]	Reading[dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	30.0485	22.60	-15.39	7.21	40.00	32.79	PK	Horizontal
2	46.1513	16.23	-12.65	3.58	40.00	36.42	PK	Horizontal
3	90.4340	18.39	-16.02	2.37	43.50	41.13	PK	Horizontal
4	120.2145	19.26	-16.10	3.16	43.50	40.34	PK	Horizontal
5	727.6589	19.93	-2.76	17.17	46.00	28.83	PK	Horizontal
6	875.4458	21.07	-0.03	21.04	46.00	24.96	PK	Horizontal

Remark:

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

Above 1GHz:

Product Name:	7957VHD	Product Model:	7957VHD
Test By:	Robin Gu	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



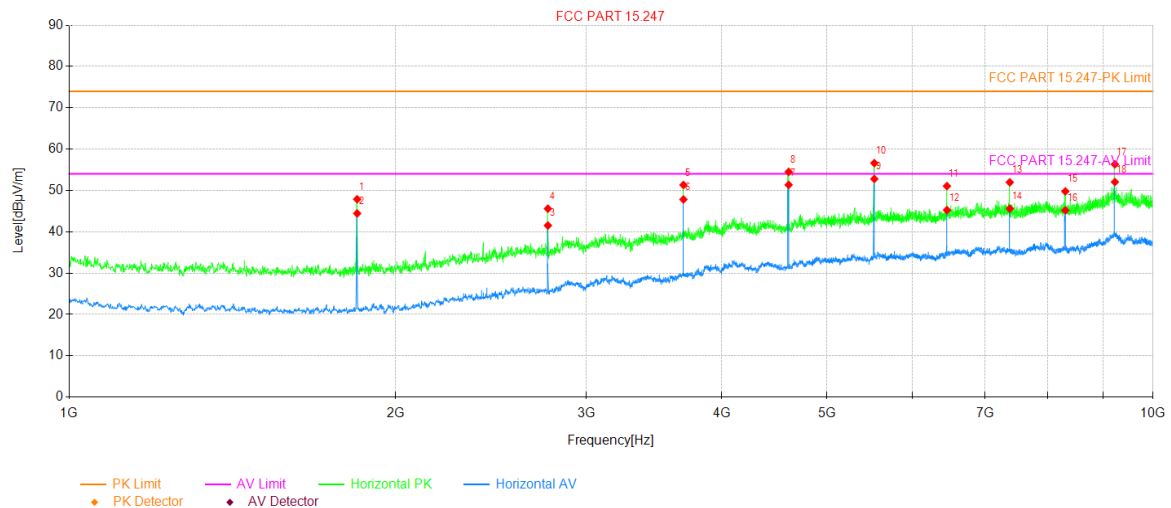
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1843.75	74.95	-22.32	52.63	74.00	21.37	354	PK	PASS	Vertical
2	1843.75	71.51	-22.32	49.19	54.00	4.81	354	AV	PASS	Vertical
3	2766.25	60.62	-17.43	43.19	74.00	30.81	354	PK	PASS	Vertical
4	2766.25	56.28	-17.43	38.85	54.00	15.15	354	AV	PASS	Vertical
5	3686.50	61.90	-11.49	50.41	74.00	23.59	195	PK	PASS	Vertical
6	3688.75	57.91	-11.43	46.48	54.00	7.52	209	AV	PASS	Vertical
7	4610.13	53.83	-9.04	44.79	54.00	9.21	243	AV	PASS	Vertical
8	4611.25	58.46	-9.03	49.43	74.00	24.57	264	PK	PASS	Vertical
9	5532.63	61.70	-6.57	55.13	74.00	18.87	292	PK	PASS	Vertical
10	5532.63	57.89	-6.57	51.32	54.00	2.68	285	AV	PASS	Vertical
11	6454.00	56.77	-5.27	51.50	74.00	22.50	160	PK	PASS	Vertical
12	6454.00	52.18	-5.27	46.91	54.00	7.09	146	AV	PASS	Vertical
13	7376.50	49.69	-3.88	45.81	54.00	8.19	340	AV	PASS	Vertical
14	7376.50	56.32	-3.88	52.44	74.00	21.56	340	PK	PASS	Vertical
15	8296.75	49.57	-2.33	47.24	54.00	6.76	347	AV	PASS	Vertical
16	8297.88	53.75	-2.33	51.42	74.00	22.58	358	PK	PASS	Vertical
17	9222.63	51.39	1.34	52.73	54.00	1.27	358	AV	PASS	Vertical
18	9222.63	55.63	1.34	56.97	74.00	17.03	347	PK	PASS	Vertical

Remark:

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

Product Name:	7957VHD	Product Model:	7957VHD
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	70.20	-22.32	47.88	74.00	26.12	186	PK	PASS	Horizontal
2	1843.75	66.76	-22.32	44.44	54.00	9.56	165	AV	PASS	Horizontal
3	2765.13	58.96	-17.43	41.53	54.00	12.47	206	AV	PASS	Horizontal
4	2765.13	63.02	-17.43	45.59	74.00	28.41	214	PK	PASS	Horizontal
5	3687.63	62.79	-11.47	51.32	74.00	22.68	360	PK	PASS	Horizontal
6	3687.63	59.30	-11.47	47.83	54.00	6.17	338	AV	PASS	Horizontal
7	4611.25	60.38	-9.03	51.35	54.00	2.65	165	AV	PASS	Horizontal
8	4611.25	63.53	-9.03	54.50	74.00	19.50	158	PK	PASS	Horizontal
9	5531.50	59.37	-6.58	52.79	54.00	1.21	352	AV	PASS	Horizontal
10	5531.50	63.20	-6.58	56.62	74.00	14.38	352	PK	PASS	Horizontal
11	6454.00	56.33	-5.27	51.06	74.00	22.94	214	PK	PASS	Horizontal
12	6455.13	50.51	-5.26	45.25	54.00	8.75	248	AV	PASS	Horizontal
13	7376.50	55.85	-3.88	51.97	74.00	22.03	317	PK	PASS	Horizontal
14	7376.50	49.50	-3.88	45.62	54.00	8.38	317	AV	PASS	Horizontal
15	8300.13	52.11	-2.33	49.78	74.00	24.22	317	PK	PASS	Horizontal
16	8300.13	47.51	-2.33	45.18	54.00	8.82	317	AV	PASS	Horizontal
17	9220.38	54.98	1.35	56.33	74.00	17.67	96	PK	PASS	Horizontal
18	9221.50	50.71	1.34	52.05	54.00	1.95	297	AV	PASS	Horizontal

Remark:

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

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