

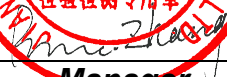



1 Cover Page

FCC RF Test Report

(FHSS)

Applicant: Voxx Electronics Corporation
Address of Applicant: 2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA
Equipment Under Test (EUT)
Product Name: R6867T
Model No.: R6867T
FCC ID: EZSR6867T
Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)
Date of Sample Receipt: 12 Jul., 2022
Date of Test: 13 Jul., to 22 Aug., 2022
Date of Report Issued: 22 Aug., 2022
Test Result: PASS

Tested by:	 _____	Date:	22 Aug., 2022 _____
Reviewed by:	 _____	Date:	22 Aug., 2022 _____
Approved by:	 _____	Date:	22 Aug., 2022 _____



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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2 Version

Version No.	Date	Description
00	29 Jul., 2022	Original
01	19 Aug., 2022	1. Updated test data on page 22 to 25, page 28 to 31.
02	22 Aug., 2022	Updated test data on page 17.

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4 General Information

4.1 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

4.2 General Description of E.U.T.

Product Name:	R6867T
Model No.:	R6867T
Operation Frequency:	907.095 MHz – 923.835 MHz
Number of Channel:	25
Modulation Technology:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	4.5 dBi (declare by applicant)
Power Supply:	DC 12.0V
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Test Mode and Test Environment

Test Modes:	
Non-hopping mode:	Keep the EUT in continuous transmitting mode.
Hopping mode:	Keep the EUT in hopping mode.
<i>Remark: For spurious emission of below 1GHz, pre-scan lowest, middle and highest channel, found lowest channel was worse case mode. The report only reflects the test data of worst mode.</i>	
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1010 mbar

4.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

4.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
<i>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.</i>	

4.6 Additions to, Deviations, or Exclusions From the Method

No

4.7 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>

4.8 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>

4.9 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	04-13-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	03-08-2022	03-07-2023
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	03-08-2022	03-07-2023
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	04-07-2022	04-06-2023
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-20-2022	01-19-2023
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	01-20-2022	01-19-2023
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	03-05-2022	03-04-2023
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-20-2022	01-19-2023
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-20-2022	01-19-2023
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-20-2022	01-19-2023
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	01-19-2022	01-18-2023
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-27-2021	10-26-2022
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	

5 Measurement Setup and Procedure

5.1 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	907.095	15	916.395	27	923.835

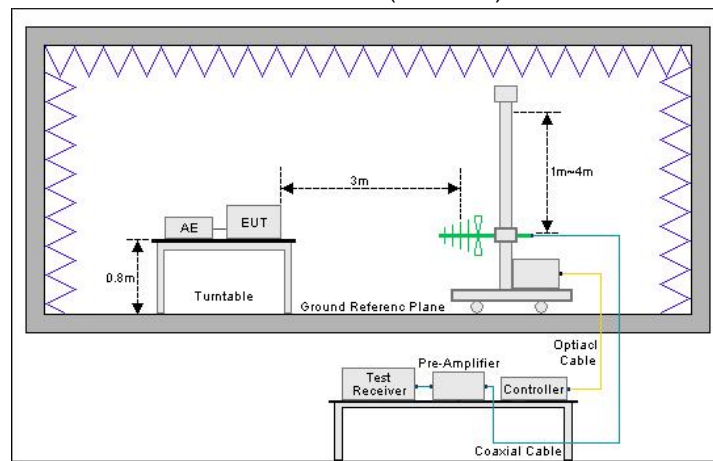
EUT supports Channel:

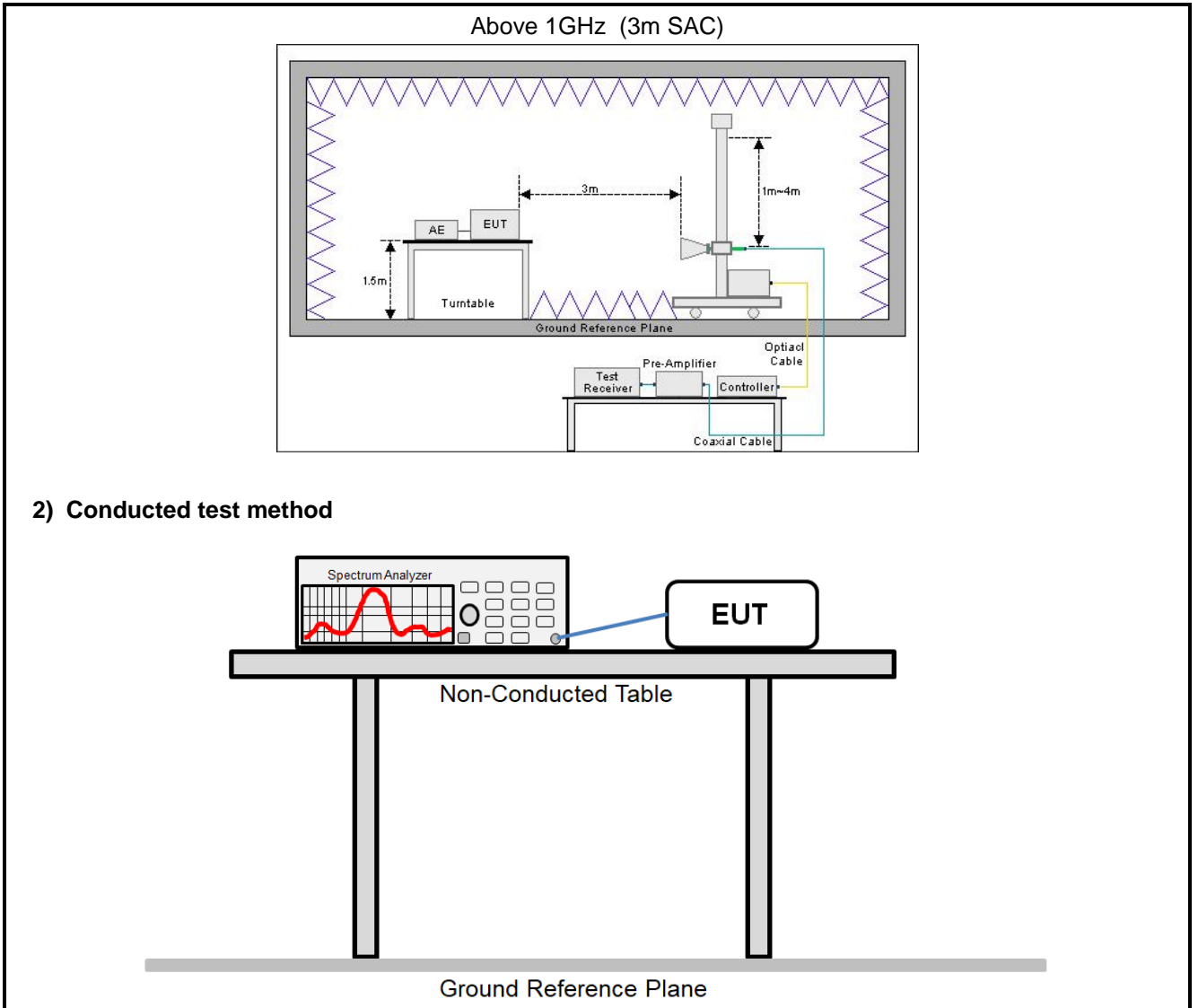
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	907.095	9	912.675	21	920.115
1	907.715	10	913.295	22	920.735
2	908.335	11	913.915	23	921.355
3	908.955	15	916.395	24	921.975
4	909.575	16	917.015	25	922.595
5	910.195	17	917.635	26	923.215
6	910.815	18	918.255	27	923.835
7	911.435	19	918.875		
8	912.055	20	919.495		

5.2 Test Setup

1) Radiated emission measurement:

Below 1GHz (3m SAC)





5.3 Test Procedure

Test method	Test step
Radiated emission	<p>For below 1GHz:</p> <ol style="list-style-type: none"> 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. <p>For above 1GHz:</p> <ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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.

6 Test Results

6.1 Summary

6.1.1 Clause and data summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 6.2	Pass
AC Power Line Conducted Emission	15.207	/	N/A
Conducted Output Power	15.247 (b)(2)	See Section 6.3	Pass
20dB Occupied Bandwidth	15.247 (a)(1)(i)	See Section 6.4	Pass
Carrier Frequencies Separation	15.247 (a)(1)	See Section 6.5	Pass
Hopping Channel Number	5.247 (a)(1)(i)	See Section 6.6	Pass
Dwell Time	15.247 (a)(1)(i)	See Section 6.7	Pass
Spurious Emission	15.205 15.209 15.247 (d)	See Section 6.8	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. The EUT power by DC 12.0V. 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).			
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		

6.1.2 Test Limit

Test items	Limit																														
Conducted Output Power	For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels, as permitted under paragraph (a)(1)(i) of this section.																														
20dB Occupied Bandwidth Hopping Channel Number Dwell Time	For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.																														
Carrier Frequencies Separation	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater																														
Spurious Emission	<p>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)):</p> <table border="1" data-bbox="555 1249 1433 1442"> <thead> <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> </thead> <tbody> <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> </tbody> </table> <p>Note: The more stringent limit applies at transition frequencies.</p> <table border="1" data-bbox="555 1473 1433 1581"> <thead> <tr> <th rowspan="2">Frequency</th> <th colspan="2">Limit (dBµV/m) @ 3m</th> </tr> <tr> <th>Average</th> <th>Peake</th> </tr> </thead> <tbody> <tr> <td>Above 1 GHz</td> <td>54.0</td> <td>74.0</td> </tr> </tbody> </table> <p>Note: The measurement bandwidth shall be 1 MHz or greater.</p>	Frequency (MHz)	Limit (dBµV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dBµV/m)		Detector																												
	@ 3m	@ 10m																													
30 – 88	40.0	30.0	Quasi-peak																												
88 – 216	43.5	33.5	Quasi-peak																												
216 – 960	46.0	36.0	Quasi-peak																												
960 – 1000	54.0	44.0	Quasi-peak																												
Frequency	Limit (dBµV/m) @ 3m																														
	Average	Peake																													
Above 1 GHz	54.0	74.0																													

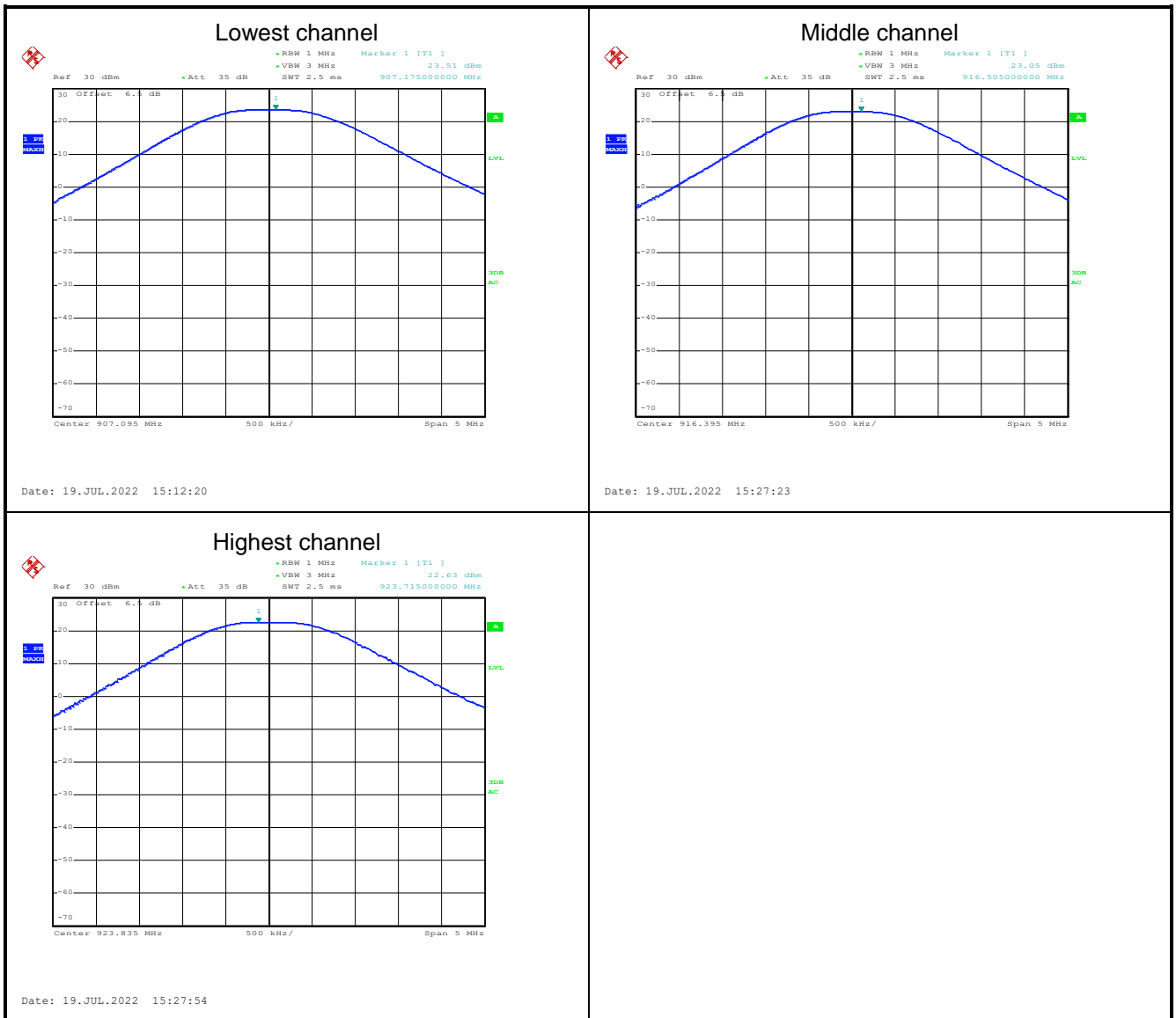
6.2 Antenna Requirement

Standard requirement:	FCC Part 15 C Section 15.203 & 247(b)
<p>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.</p> <p>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.</p>	
E.U.T Antenna:	
<p>The EUT antenna is an Internal antenna which permanently attached, and the best case gain of the antenna is 4.5 dBi. See product internal photos for details.</p>	

6.3 Conducted Output Power

Test channel	Maximum Output Power (dBm)	Limit (dBm)	Result
Lowest channel	23.51	24.00	Pass
Middle channel	23.05	24.00	Pass
Highest channel	22.63	24.00	Pass

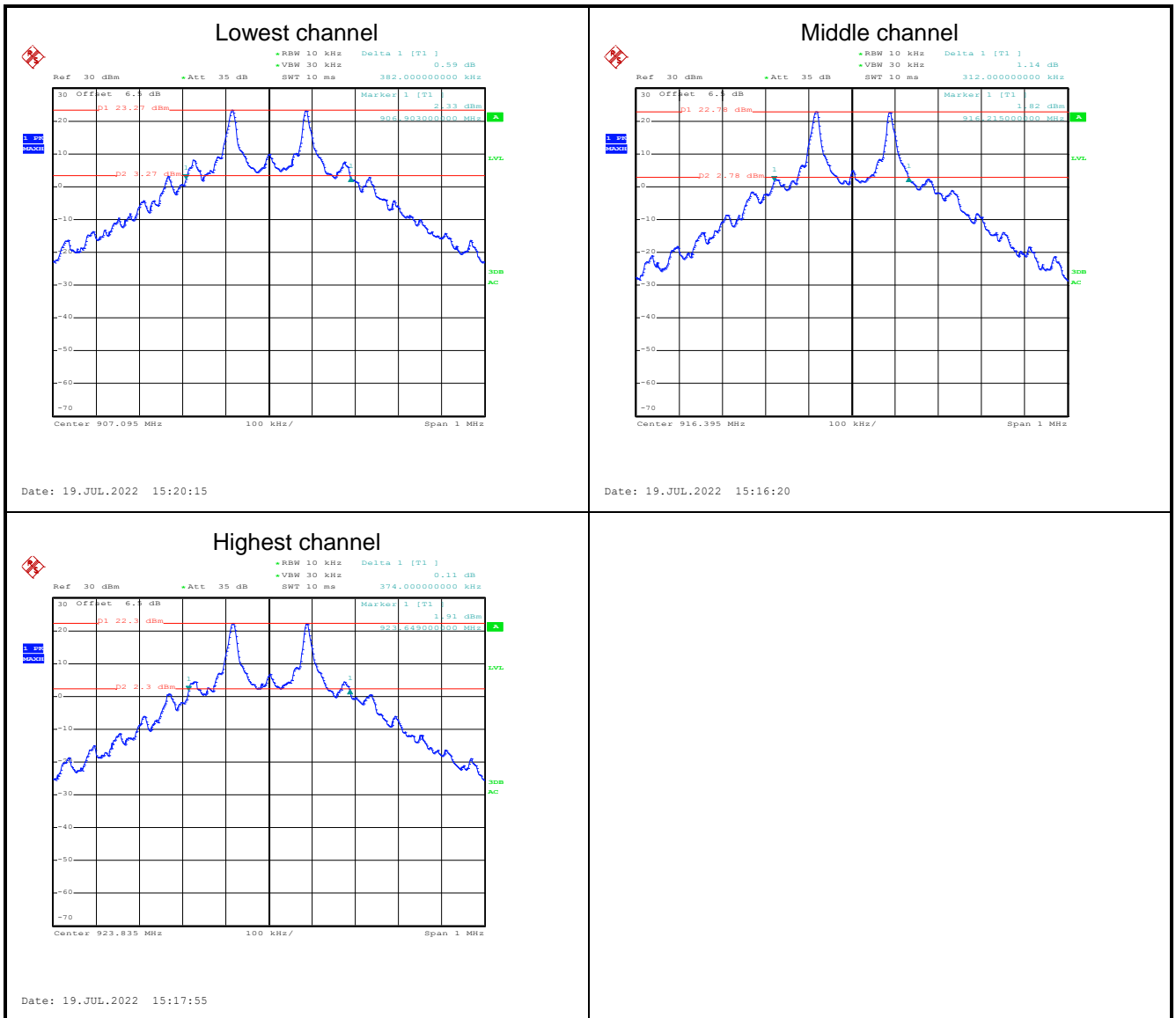
Test plot as follows:



6.4 20dB Occupied Bandwidth

Test channel	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Result
Lowest channel	382	$250 < BW_{20dB} \leq 500$	Pass
Middle channel	312	$250 < BW_{20dB} \leq 500$	Pass
Highest channel	374	$250 < BW_{20dB} \leq 500$	Pass

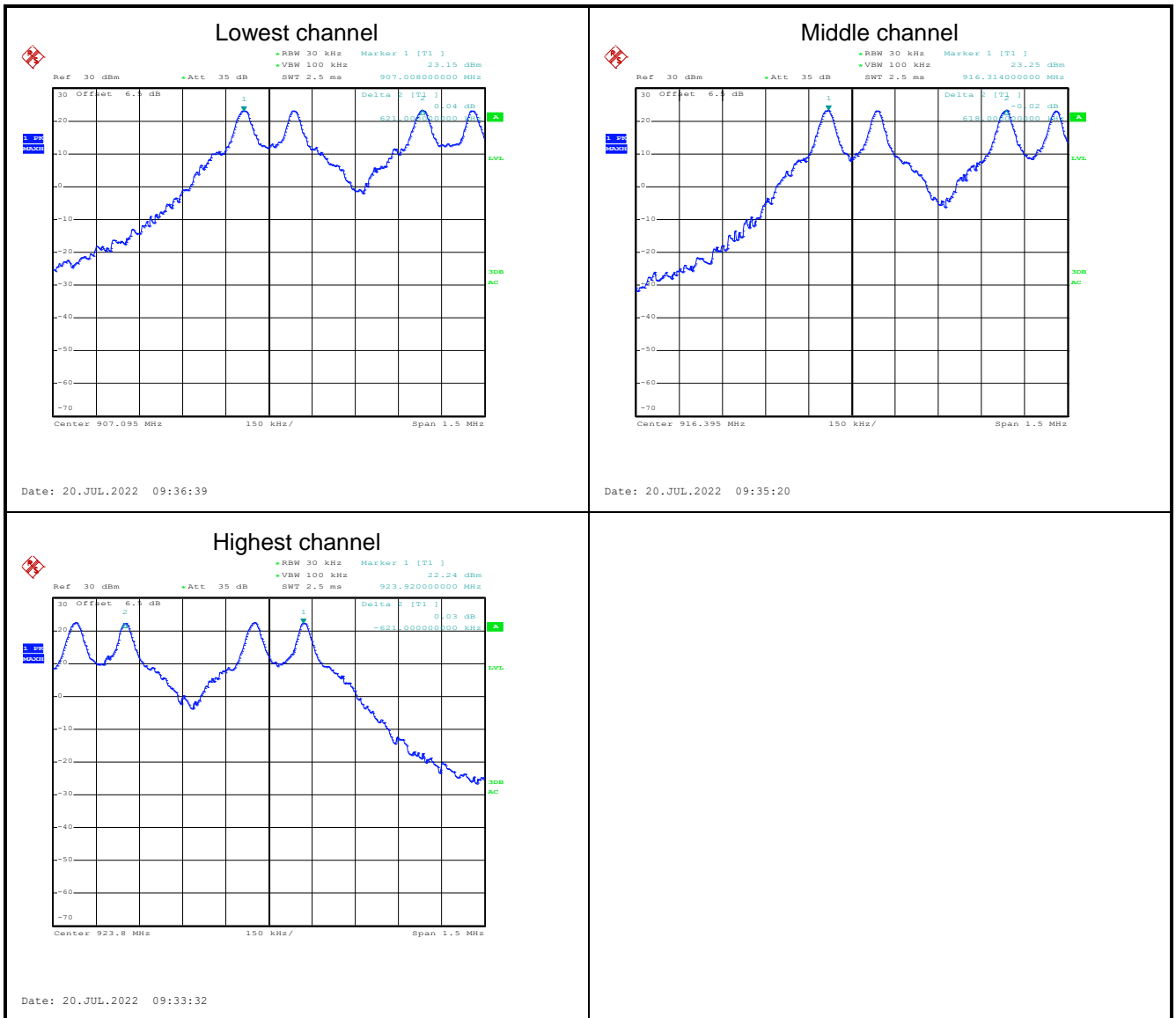
Test plot as follows:



6.5 Carrier Frequencies Separation

Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
Lowest channel	621	382	Pass
Middle channel	618	382	Pass
Highest channel	621	382	Pass

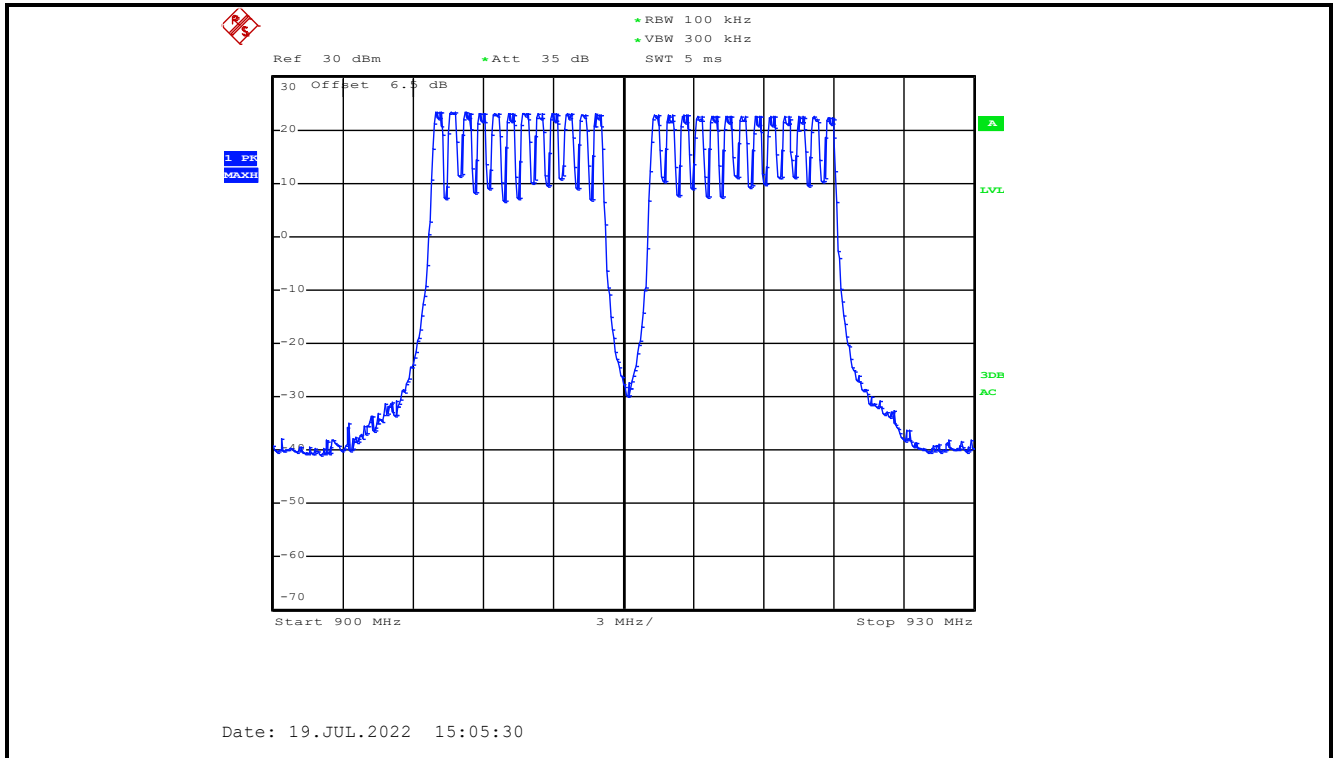
Test plot as follows:



6.6 Hopping Channel Number

Hopping channel numbers	Limit	Result
25	$25 \leq N_{ch} < 50$	Pass

Test plot as follows:



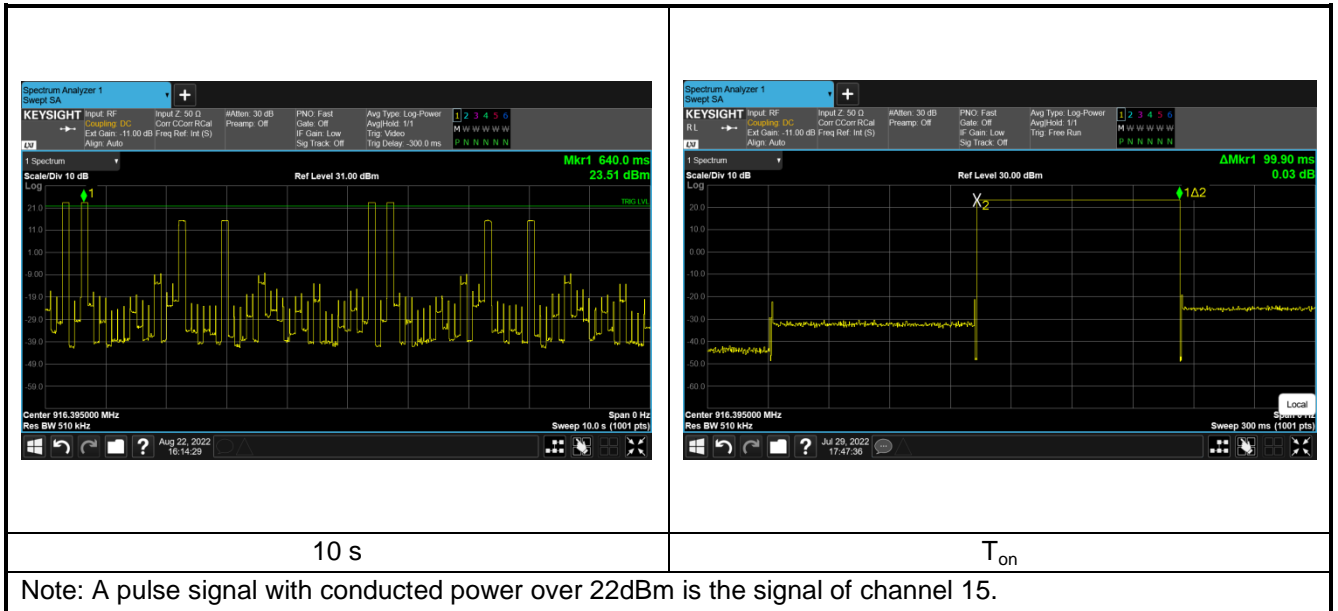
6.7 Dwell Time

T_{on} (s)	Hopping numbers (10 s period)	Dwell time (s)	Limit (s)	Result
0.0999	4	0.3996	0.4	Pass

Note:

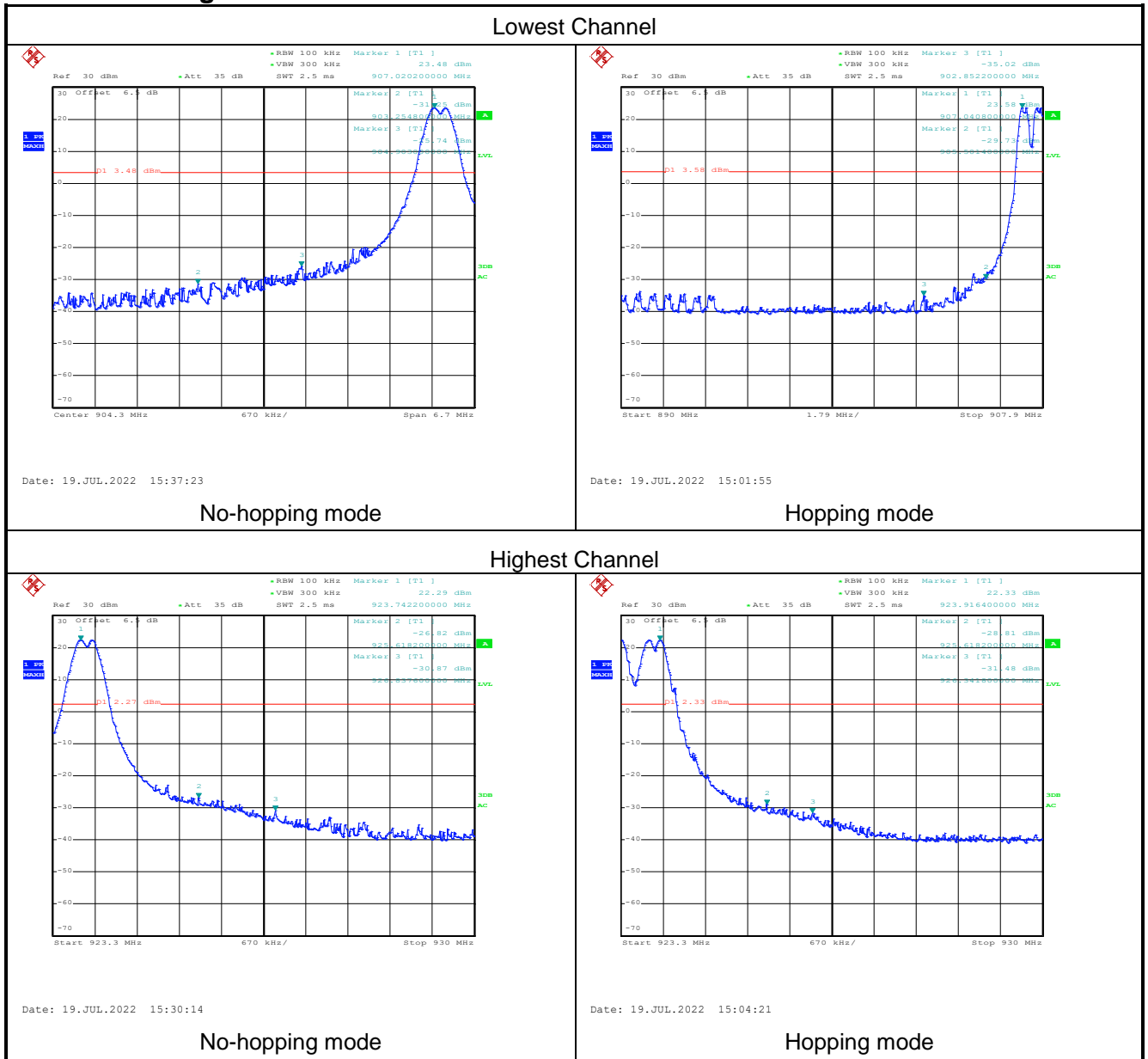
- T_{on} is time per hop.
- Dwell time = T_{on} * Hopping numbers.

Test plot as follows:

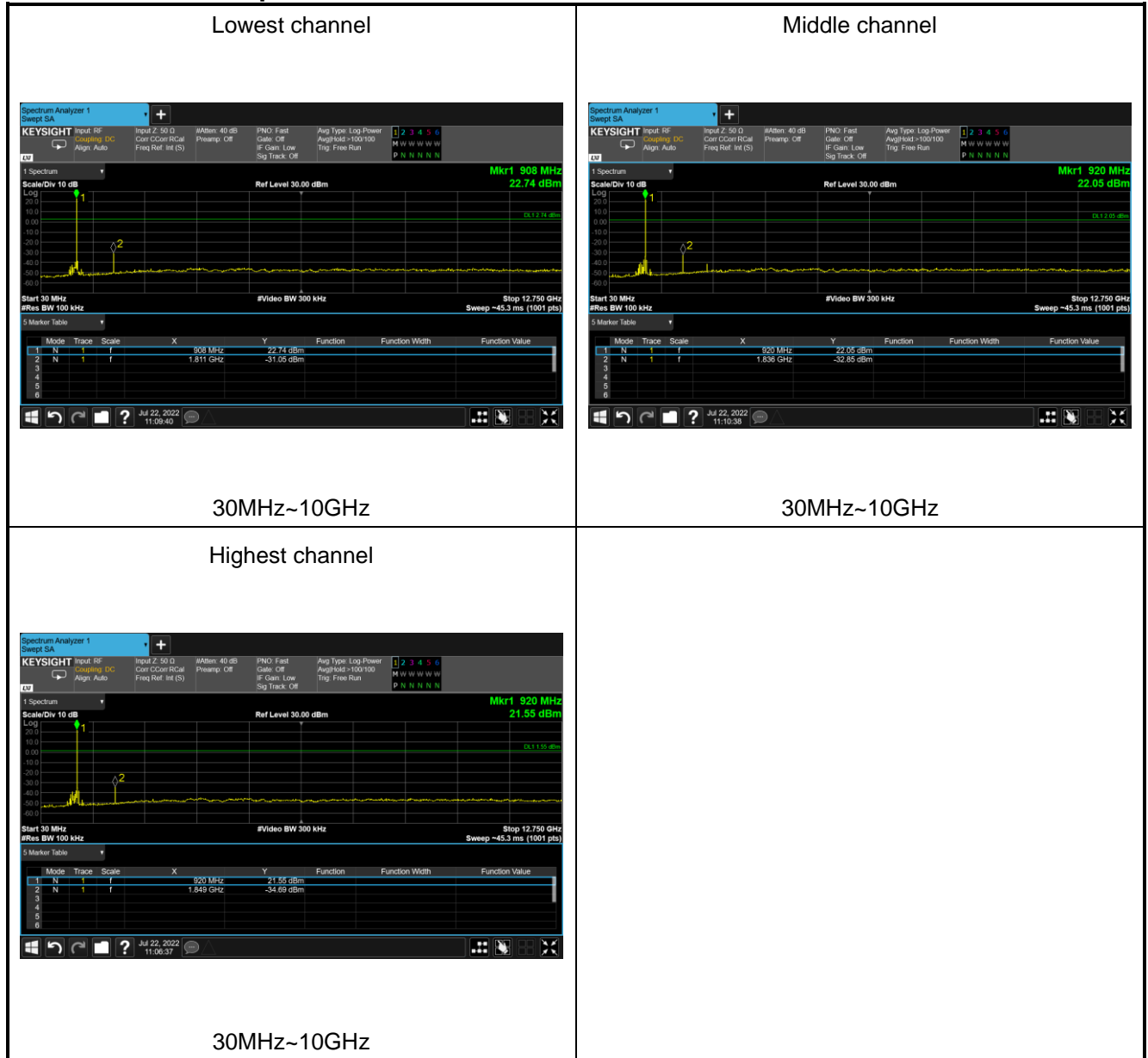


6.8 Spurious Emission

6.8.1 Band-edge Emission



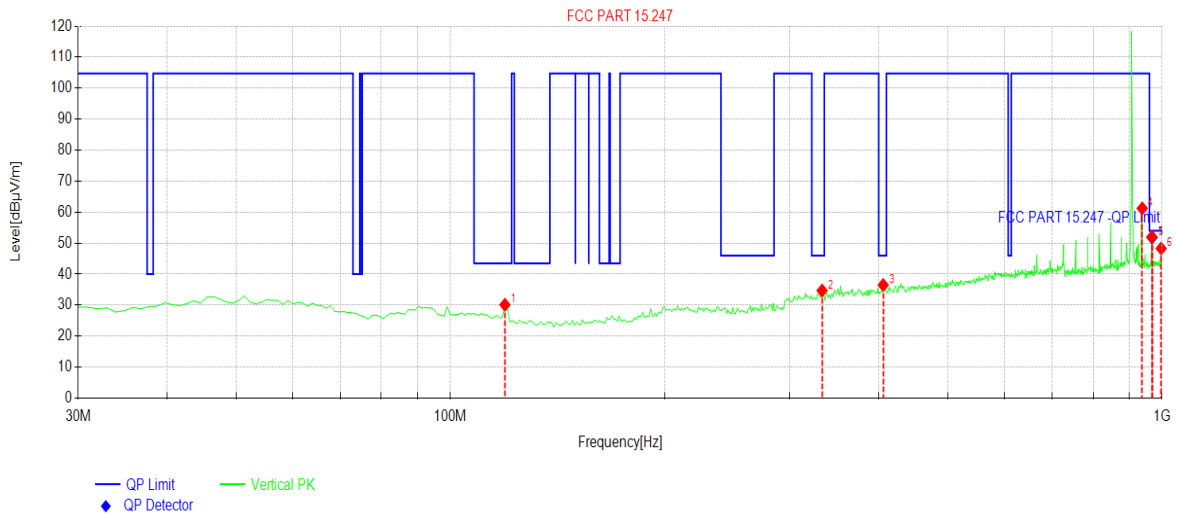
6.8.2 Conducted Spurious Emission



6.8.3 Eadiation Spurious Emission

Below 1GHz:

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Low Channel
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		



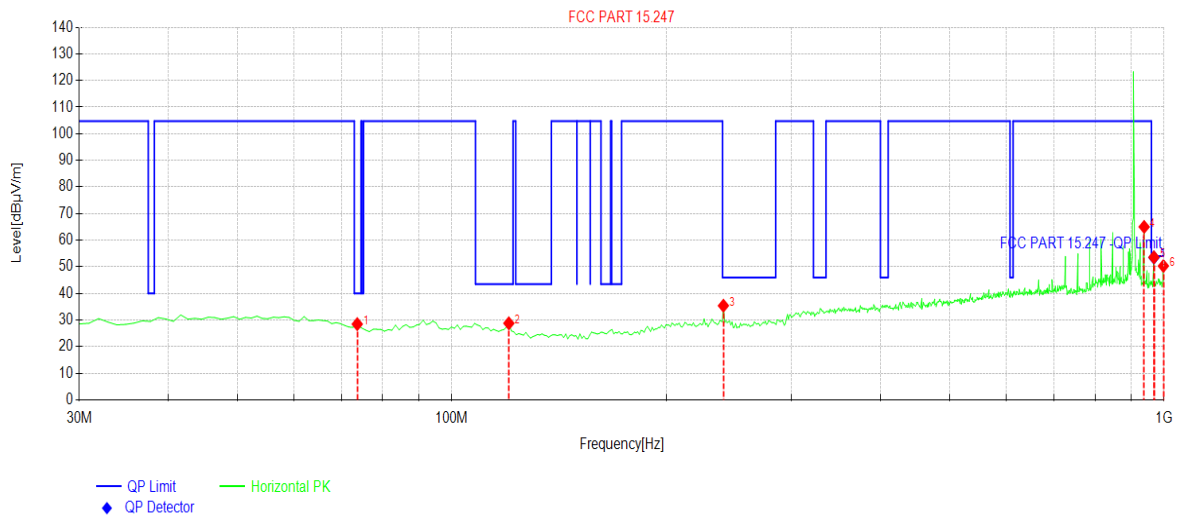
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	119.329	18.35	30.12	11.77	43.50	13.38	PK	Vertical
2	332.942	18.54	34.71	16.17	46.00	11.29	PK	Vertical
3	405.765	19.15	36.50	17.35	46.00	9.50	PK	Vertical
4	937.857	36.01	61.22	25.21	104.76	43.54	PK	Vertical
5	967.958	26.59	51.99	25.40	54.00	2.01	PK	Vertical
6	997.087	22.56	48.28	25.72	54.00	5.72	PK	Vertical

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	QP Reading [dBµV/m]	Angle [°]	Verdict
1	967.958	25.40	51.82	54.00	2.18	26.42	198	PASS

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Low Channel
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



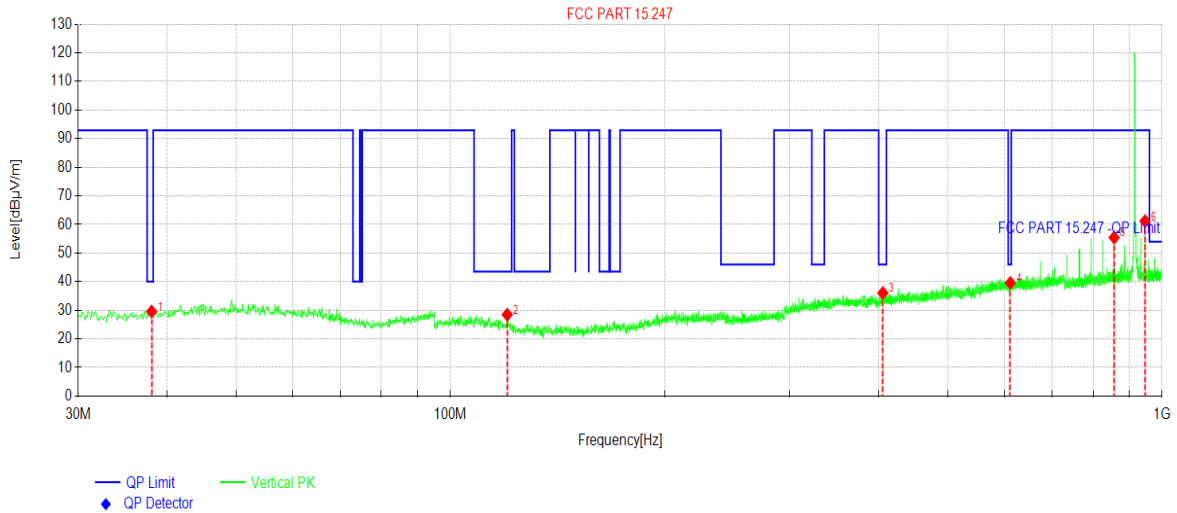
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	73.6937	18.41	28.47	10.06	40.00	11.53	PK	Horizontal
2	120.300	17.17	28.77	11.60	43.50	14.73	PK	Horizontal
3	240.700	21.49	35.39	13.90	46.00	10.61	PK	Horizontal
4	937.857	39.79	65.00	25.21	104.76	39.76	PK	Horizontal
5	967.958	28.17	53.57	25.40	54.00	0.43	PK	Horizontal
6	998.058	24.59	50.30	25.71	54.00	3.70	PK	Horizontal

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	QP Reading [dBµV/m]	Angle [°]	Verdict
1	967.958	25.40	53.48	54.00	0.52	28.08	211	PASS

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Middle Channel
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		

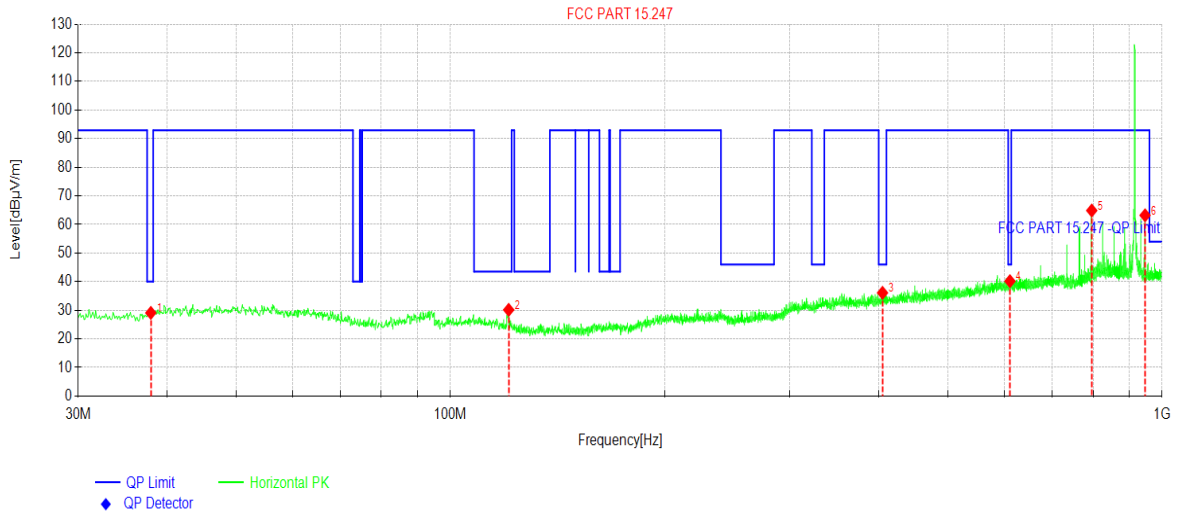


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	38.0518	16.05	29.56	13.51	40.00	10.44	PK	Vertical
2	120.219	16.85	28.46	11.61	43.50	15.04	PK	Vertical
3	405.233	18.70	36.05	17.35	46.00	9.95	PK	Vertical
4	612.155	18.17	39.57	21.40	46.00	6.43	PK	Vertical
5	856.425	31.03	55.41	24.38	92.93	37.52	PK	Vertical
6	946.353	35.91	61.16	25.25	92.93	31.77	PK	Vertical

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Middle Channel
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		

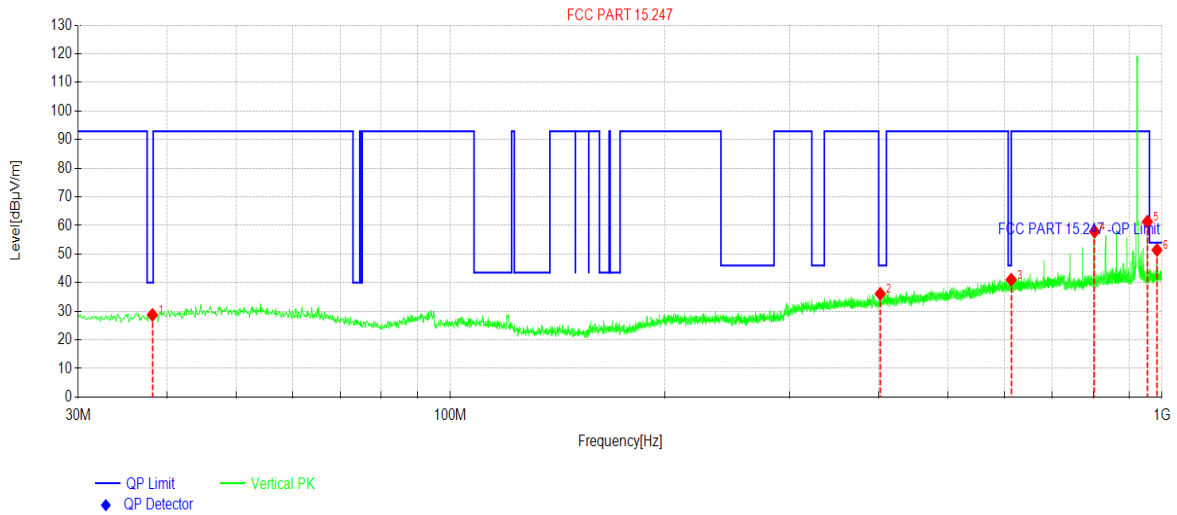


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	37.9548	15.63	29.10	13.47	40.00	10.90	PK	Horizontal
2	120.801	18.66	30.15	11.49	43.50	13.35	PK	Horizontal
3	404.845	18.75	36.10	17.35	46.00	9.90	PK	Horizontal
4	611.379	18.80	40.19	21.39	46.00	5.81	PK	Horizontal
5	796.570	41.19	64.87	23.68	92.93	28.06	PK	Horizontal
6	946.547	37.94	63.19	25.25	92.93	29.74	PK	Horizontal

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	High Channel
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		



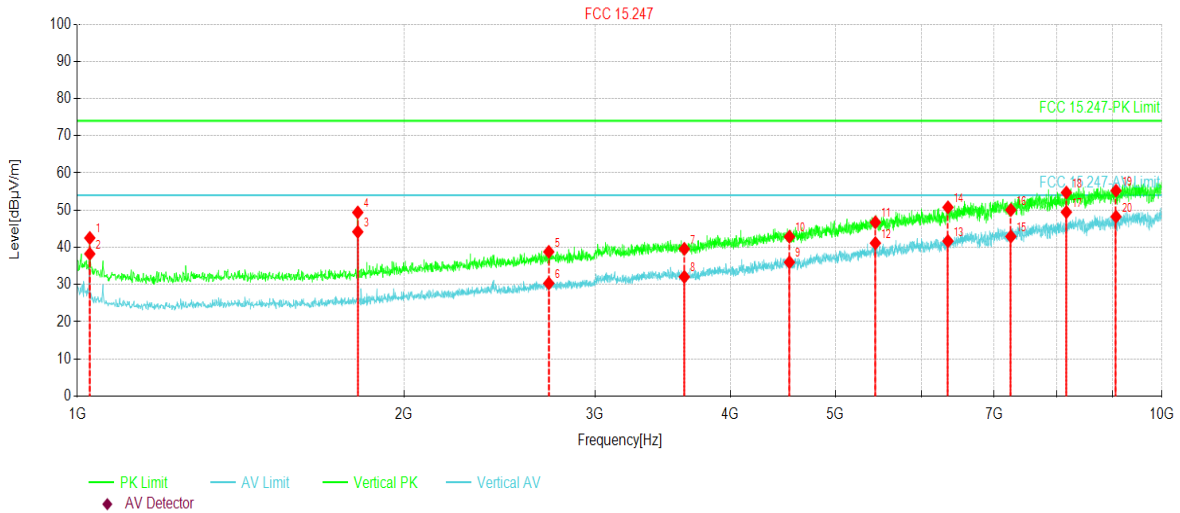
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	38.1488	15.20	28.74	13.54	40.00	11.26	PK	Vertical
2	401.935	18.75	36.09	17.34	46.00	9.91	PK	Vertical
3	613.901	19.60	41.02	21.42	46.00	4.98	PK	Vertical
4	803.846	34.15	57.87	23.72	92.93	35.06	PK	Vertical
5	953.823	36.03	61.30	25.27	92.93	31.63	PK	Vertical
6	983.993	25.80	51.43	25.63	54.00	2.57	PK	Vertical

Remark:

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

Above 1GHz:

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Low Channel
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		

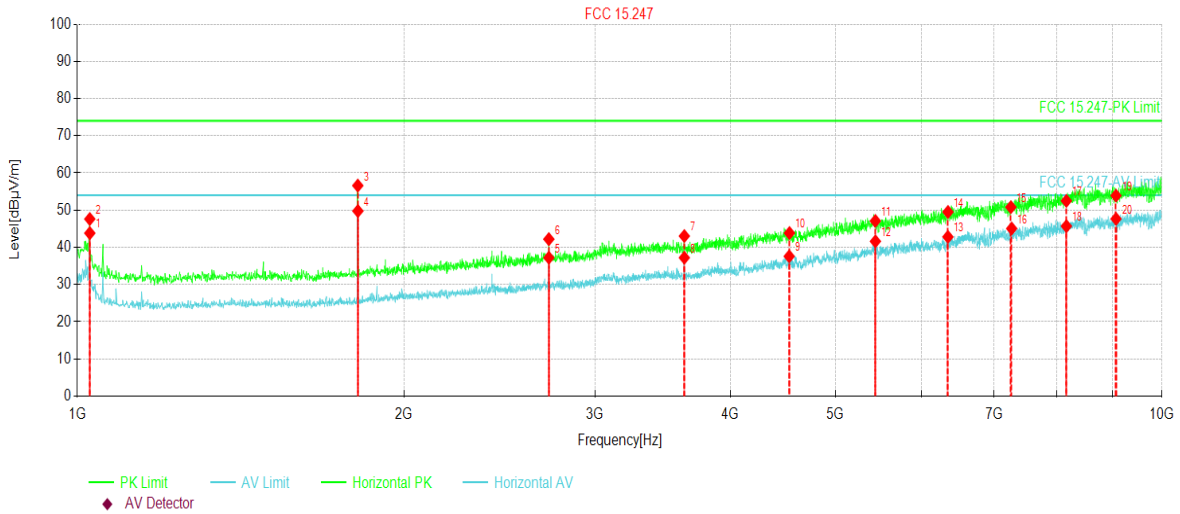


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1027.00	64.24	42.52	-21.72	74.00	31.48	PK	Vertical
2	1027.00	59.98	38.26	-21.72	54.00	15.74	AV	Vertical
3	1814.00	65.99	44.17	-21.82	54.00	9.83	AV	Vertical
4	1814.00	71.21	49.39	-21.82	74.00	24.61	PK	Vertical
5	2721.00	56.42	38.81	-17.61	74.00	35.19	PK	Vertical
6	2721.00	47.93	30.32	-17.61	54.00	23.68	AV	Vertical
7	3628.00	54.12	39.58	-14.54	74.00	34.42	PK	Vertical
8	3628.00	46.61	32.07	-14.54	54.00	21.93	AV	Vertical
9	4535.00	45.96	35.99	-9.97	54.00	18.01	AV	Vertical
10	4535.00	52.83	42.86	-9.97	74.00	31.14	PK	Vertical
11	5442.00	52.77	46.73	-6.04	74.00	27.27	PK	Vertical
12	5442.00	47.18	41.14	-6.04	54.00	12.86	AV	Vertical
13	6349.00	44.84	41.68	-3.16	54.00	12.32	AV	Vertical
14	6349.00	53.92	50.76	-3.16	74.00	23.24	PK	Vertical
15	7256.00	43.23	42.92	-0.31	54.00	11.08	AV	Vertical
16	7256.00	50.36	50.05	-0.31	74.00	23.95	PK	Vertical
17	8163.00	48.25	49.48	1.23	54.00	4.52	AV	Vertical
18	8163.00	53.49	54.72	1.23	74.00	19.28	PK	Vertical
19	9070.00	52.65	55.25	2.60	74.00	18.75	PK	Vertical
20	9070.00	45.65	48.25	2.60	54.00	5.75	AV	Vertical

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Low Channel
Test Frequency:	1 GHz ~10 GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		

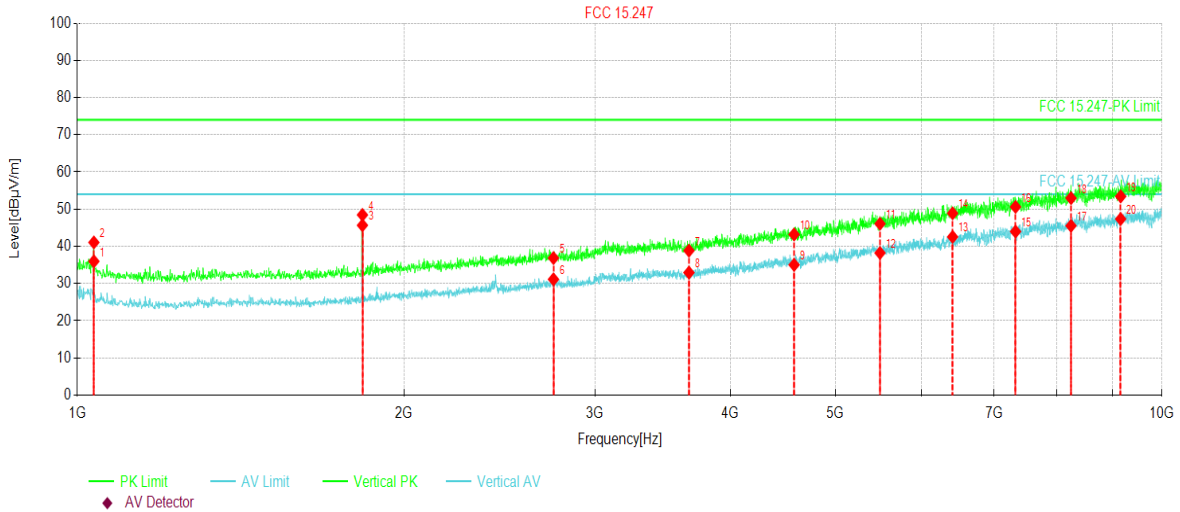


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1027.00	65.54	43.82	-21.72	54.00	10.18	AV	Horizontal
2	1027.00	69.34	47.62	-21.72	74.00	26.38	PK	Horizontal
3	1814.00	78.42	56.60	-21.82	74.00	17.40	PK	Horizontal
4	1814.50	71.59	49.77	-21.82	54.00	4.23	AV	Horizontal
5	2721.25	54.82	37.21	-17.61	54.00	16.79	AV	Horizontal
6	2721.25	59.81	42.20	-17.61	74.00	31.80	PK	Horizontal
7	3628.00	57.58	43.04	-14.54	74.00	30.96	PK	Horizontal
8	3628.00	51.75	37.21	-14.54	54.00	16.79	AV	Horizontal
9	4532.50	47.56	37.58	-9.98	54.00	16.42	AV	Horizontal
10	4535.00	53.82	43.85	-9.97	74.00	30.15	PK	Horizontal
11	5442.00	53.14	47.10	-6.04	74.00	26.90	PK	Horizontal
12	5442.62	47.66	41.62	-6.04	54.00	12.38	AV	Horizontal
13	6348.25	45.99	42.82	-3.17	54.00	11.18	AV	Horizontal
14	6349.00	52.68	49.52	-3.16	74.00	24.48	PK	Horizontal
15	7256.00	51.12	50.81	-0.31	74.00	23.19	PK	Horizontal
16	7268.50	45.38	45.06	-0.32	54.00	8.94	AV	Horizontal
17	8163.00	51.27	52.50	1.23	74.00	21.50	PK	Horizontal
18	8164.00	44.47	45.70	1.23	54.00	8.30	AV	Horizontal
19	9070.00	51.30	53.90	2.60	74.00	20.10	PK	Horizontal
20	9070.75	45.05	47.65	2.60	54.00	6.35	AV	Horizontal

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Middle Channel
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		

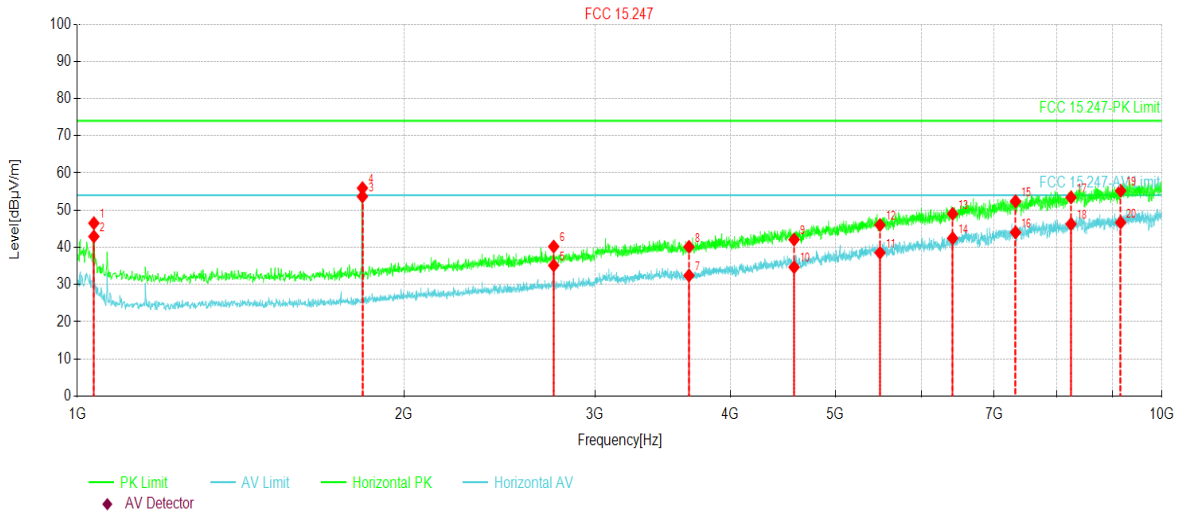


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1036.00	57.81	35.97	-21.84	54.00	18.03	AV	Vertical
2	1036.00	62.89	41.05	-21.84	74.00	32.95	PK	Vertical
3	1832.00	67.38	45.66	-21.72	54.00	8.34	AV	Vertical
4	1832.00	70.17	48.45	-21.72	74.00	25.55	PK	Vertical
5	2748.00	54.43	36.86	-17.57	74.00	37.14	PK	Vertical
6	2748.00	48.71	31.14	-17.57	54.00	22.86	AV	Vertical
7	3664.00	53.21	38.84	-14.37	74.00	35.16	PK	Vertical
8	3664.00	47.31	32.94	-14.37	54.00	21.06	AV	Vertical
9	4580.00	44.82	35.03	-9.79	54.00	18.97	AV	Vertical
10	4580.00	52.99	43.20	-9.79	74.00	30.80	PK	Vertical
11	5496.00	52.24	46.07	-6.17	74.00	27.93	PK	Vertical
12	5496.00	44.40	38.23	-6.17	54.00	15.77	AV	Vertical
13	6412.00	45.07	42.55	-2.52	54.00	11.45	AV	Vertical
14	6412.00	51.41	48.89	-2.52	74.00	25.11	PK	Vertical
15	7328.00	44.19	43.98	-0.21	54.00	10.02	AV	Vertical
16	7328.00	50.81	50.60	-0.21	74.00	23.40	PK	Vertical
17	8244.00	43.90	45.53	1.63	54.00	8.47	AV	Vertical
18	8244.00	51.34	52.97	1.63	74.00	21.03	PK	Vertical
19	9160.00	50.61	53.43	2.82	74.00	20.57	PK	Vertical
20	9160.00	44.54	47.36	2.82	54.00	6.64	AV	Vertical

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	Middle Channel
Test Frequency:	1 GHz ~10 GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		

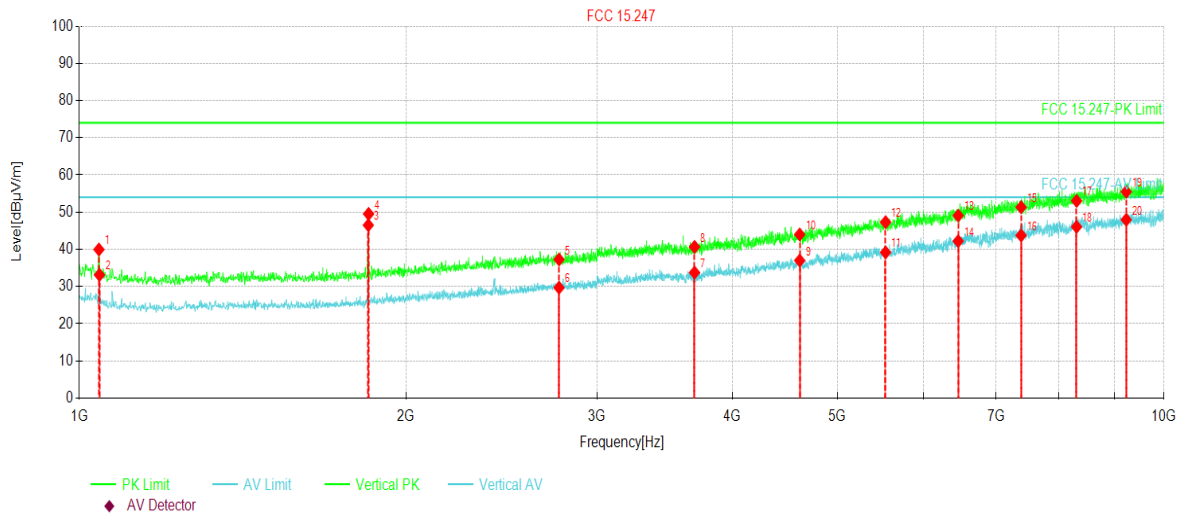


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1036.00	68.34	46.50	-21.84	74.00	27.50	PK	Horizontal
2	1036.00	64.76	42.92	-21.84	54.00	11.08	AV	Horizontal
3	1832.00	75.39	53.67	-21.72	54.00	0.33	AV	Horizontal
4	1832.00	77.64	55.92	-21.72	74.00	18.08	PK	Horizontal
5	2749.37	52.72	35.15	-17.57	54.00	18.85	AV	Horizontal
6	2749.37	57.79	40.22	-17.57	74.00	33.78	PK	Horizontal
7	3664.00	46.80	32.43	-14.37	54.00	21.57	AV	Horizontal
8	3664.00	54.51	40.14	-14.37	74.00	33.86	PK	Horizontal
9	4580.00	51.87	42.08	-9.79	74.00	31.92	PK	Horizontal
10	4580.00	44.46	34.67	-9.79	54.00	19.33	AV	Horizontal
11	5496.00	44.73	38.56	-6.17	54.00	15.44	AV	Horizontal
12	5496.00	52.18	46.01	-6.17	74.00	27.99	PK	Horizontal
13	6412.00	51.54	49.02	-2.52	74.00	24.98	PK	Horizontal
14	6412.00	44.98	42.46	-2.52	54.00	11.54	AV	Horizontal
15	7328.00	52.60	52.39	-0.21	74.00	21.61	PK	Horizontal
16	7328.00	44.22	44.01	-0.21	54.00	9.99	AV	Horizontal
17	8244.00	51.80	53.43	1.63	74.00	20.57	PK	Horizontal
18	8244.00	44.63	46.26	1.63	54.00	7.74	AV	Horizontal
19	9160.00	52.40	55.22	2.82	74.00	18.78	PK	Horizontal
20	9160.00	43.85	46.67	2.82	54.00	7.33	AV	Horizontal

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	High Channel
Test Frequency:	1 GHz ~ 10 GHz	Polarization:	Vertical
Test Voltage:	DC 12V		

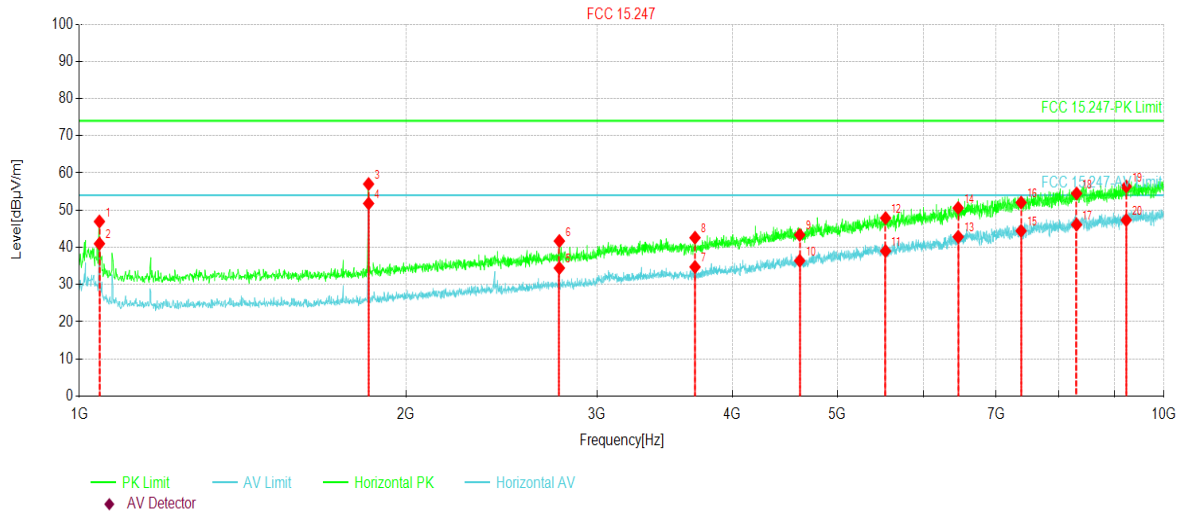


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1042.75	61.89	39.95	-21.94	74.00	34.05	PK	Vertical
2	1043.87	55.09	33.13	-21.96	54.00	20.87	AV	Vertical
3	1847.12	68.14	46.50	-21.64	54.00	7.50	AV	Vertical
4	1848.25	71.15	49.52	-21.63	74.00	24.48	PK	Vertical
5	2769.00	54.81	37.27	-17.54	74.00	36.73	PK	Vertical
6	2769.00	47.24	29.70	-17.54	54.00	24.30	AV	Vertical
7	3692.00	47.99	33.75	-14.24	54.00	20.25	AV	Vertical
8	3692.00	54.89	40.65	-14.24	74.00	33.35	PK	Vertical
9	4615.00	46.63	37.00	-9.63	54.00	17.00	AV	Vertical
10	4615.00	53.62	43.99	-9.63	74.00	30.01	PK	Vertical
11	5538.00	45.28	39.17	-6.11	54.00	14.83	AV	Vertical
12	5538.00	53.41	47.30	-6.11	74.00	26.70	PK	Vertical
13	6461.00	51.58	49.09	-2.49	74.00	24.91	PK	Vertical
14	6461.00	44.71	42.22	-2.49	54.00	11.78	AV	Vertical
15	7384.00	51.25	51.32	0.07	74.00	22.68	PK	Vertical
16	7384.00	43.68	43.75	0.07	54.00	10.25	AV	Vertical
17	8307.00	50.91	53.03	2.12	74.00	20.97	PK	Vertical
18	8307.00	43.94	46.06	2.12	54.00	7.94	AV	Vertical
19	9230.00	52.39	55.48	3.09	74.00	18.52	PK	Vertical
20	9230.00	44.87	47.96	3.09	54.00	6.04	AV	Vertical

Remark:

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

Product Name:	R6867T	Product Model:	R6867T
Test By:	Janet	Test mode:	High Channel
Test Frequency:	1 GHz ~10 GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1043.87	68.90	46.94	-21.96	74.00	27.06	PK	Horizontal
2	1043.87	62.95	40.99	-21.96	54.00	13.01	AV	Horizontal
3	1848.25	78.66	57.03	-21.63	74.00	16.97	PK	Horizontal
4	1848.25	73.42	51.79	-21.63	54.00	2.21	AV	Horizontal
5	2770.75	51.98	34.44	-17.54	54.00	19.56	AV	Horizontal
6	2770.75	59.23	41.69	-17.54	74.00	32.31	PK	Horizontal
7	3695.50	48.94	34.72	-14.22	54.00	19.28	AV	Horizontal
8	3695.50	56.81	42.59	-14.22	74.00	31.41	PK	Horizontal
9	4615.00	52.98	43.35	-9.63	74.00	30.65	PK	Horizontal
10	4615.00	46.03	36.40	-9.63	54.00	17.60	AV	Horizontal
11	5538.00	45.13	39.02	-6.11	54.00	14.98	AV	Horizontal
12	5538.00	53.99	47.88	-6.11	74.00	26.12	PK	Horizontal
13	6461.00	45.31	42.82	-2.49	54.00	11.18	AV	Horizontal
14	6461.00	53.07	50.58	-2.49	74.00	23.42	PK	Horizontal
15	7384.00	44.36	44.43	0.07	54.00	9.57	AV	Horizontal
16	7384.00	51.97	52.04	0.07	74.00	21.96	PK	Horizontal
17	8307.00	43.97	46.09	2.12	54.00	7.91	AV	Horizontal
18	8307.00	52.37	54.49	2.12	74.00	19.51	PK	Horizontal
19	9230.00	53.26	56.35	3.09	74.00	17.65	PK	Horizontal
20	9230.00	44.23	47.32	3.09	54.00	6.68	AV	Horizontal

Remark:

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

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