



FCC RF Test Report

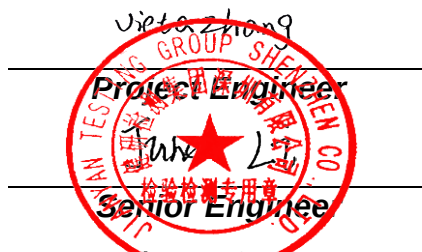
(BLE)

Report No.: JYTSZ-R12-2301716
Applicant: Hangzhou Roombanker Technology Co., Ltd.
Address of Applicant: A#801 Wantong center, Hangzhou, China.

Equipment Under Test (EUT)

Product Name: Home Security Hub(Station)
Model No.: RBGW-202-915(US), RBGW-202-915(LA), RBGW-202-915(AU), RBGW-202-915(XX)/YYY:(X:0~9 or X:A~Z)/(Y:0~9 or Y:A~Z), RBGW-202-915(XX)/YYY:(X:0~9 or X:A~Z)/(Y:0~9 or Y:A~Z or blank)
Trade Mark: Roombanker
FCC ID: 2AUXBRBGW-202
Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)
Date of Sample Receipt: 23 Nov., 2023
Date of Test: 24 Nov., 2023 to 19 Jan., 2024
Date of Report Issued: 22 Jan., 2024
Test Result: PASS

Project by:



Date:

22 Jan., 2024

Reviewed by:

Date:

22 Jan., 2024

Approved by:

Manager

Date:

22 Jan., 2024

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	22 Jan., 2024	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	6
3.8 Laboratory Location.....	6
3.9 Test Instruments List	7
4 Measurement Setup and Procedure	9
4.1 Test Channel	9
4.2 Test Setup	9
4.3 Test Procedure	11
5 Test Results.....	12
5.1 Summary	12
5.1.1 Clause and Data Summary.....	12
5.1.2 Test Limit.....	13
5.2 Antenna requirement.....	14
5.3 AC Power Line Conducted Emission	15
5.4 Emissions in Restricted Frequency Bands.....	17
5.5 Emissions in Non-restricted Frequency Bands	33

3 General Information

3.1 Client Information

Applicant:	Hangzhou Roombanker Technology Co., Ltd.
Address:	A#801 Wantong center, Hangzhou, China.
Manufacturer/ Factory:	Zhejiang dusun electron co., ltd.
Address:	No.640 Feng Qing St,DeQing Zhejiang China.

3.2 General Description of E.U.T.

Product Name:	Home Security Hub(Station)
Model No.:	RBGW-202-915(US), RBGW-202-915(LA), RBGW-202-915(AU) RBGW-202-915(XX)/YYY: (X:0~9 or X: A~Z)/(Y:0~9 or Y: A~Z), RBGW-202-915(XX)/YYY: (X:0~9 or X: A~Z)/(Y:0~9 or Y: A~Z or blank)
Operation Frequency:	2402 MHz - 2480 MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Technology:	GFSK
Data Speed:	1 Mbps (LE 1M PHY), 2 Mbps (LE 2M PHY), 125 kbps (LE Coded PHY, S=8), 500 kbps (LE Coded PHY, S=2)
Antenna Type:	PCB Antenna
Antenna Gain:	-4.0dBi (declare by applicant)
Antenna transmit mode:	SISO (1TX, 1RX)
Power Supply:	DC 5V
Test Sample Condition:	The test samples were provided in good working order with no visible defects.
Remark:	RBGW-202-915(US), RBGW-202-915(LA), RBGW-202-915(AU), RBGW-202-915(XX)/YYY: (X:0~9 or X:A~Z)/(Y:0~9 or Y:A~Z), RBGW-202-915(XX)/YYY:(X:0~9 or X:A~Z)/(Y:0~9 or Y:A~Z or blank) were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.

3.3 Test Mode and Test Environment

Test Mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation
Remark:	
1. For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan all data speed, found 1 Mbps (LE 1M PHY) was worse case mode. The report only reflects the test data of worst mode. 2. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	
Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 5.00Vdc, Extreme: Low 4.25Vdc, High 5.5Vdc
Test Engineer:	Logan Li (Conducted measurement) Kiran Zeng (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)	3.57 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	3.14 dB
Radiated Emission (30MHz ~ 200MHz) (10m SAC)	4.3 dB
Radiated Emission (200MHz ~ 1000MHz) (10m SAC)	4.3 dB
Radiated Emission (30MHz ~ 1GHz) (3m FAR)	3.43 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.32 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 FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-13-2023	07-12-2024
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-02-2021	07-01-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	07-14-2023	07-13-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	01-09-2023	01-08-2024
				12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	01-09-2023	01-08-2024
				12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	01-09-2023	01-08-2024
				12-28-2023	12-27-2024
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	05-14-2023	05-13-2024
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	05-14-2023	05-13-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	08-01-2023	07-31-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	08-01-2023	07-31-2024
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	08-01-2023	07-31-2024
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		

Radiated Emission(10m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	01-17-2023	01-16-2024
				12-28-2023	12-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	01-10-2023	01-09-2024
				12-28-2023	12-27-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-3	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-4	01-11-2023	01-09-2024
				12-27-2023	12-26-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Test Software	R&S	EMC32	Version: 10.50.40		

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	07-05-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	02-22-2023	02-21-2024
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	11-01-2023	10-31-2024
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	01-09-2023	01-08-2025
Power Detector Box	MWRFTTEST	MW100-PSB	WXJ007-4	09-25-2023	09-24-2024
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	
RF Control Unit	MWRFTTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTTEST	MTS 8310	Version: 2.0.0.0		

4 Measurement Setup and Procedure

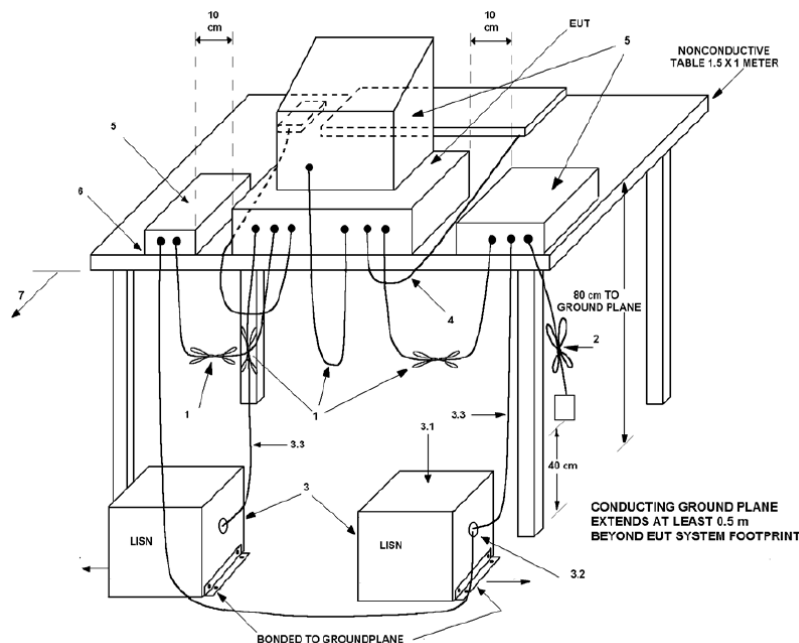
4.1 Test Channel

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

Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	20	2442	39	2480

4.2 Test Setup

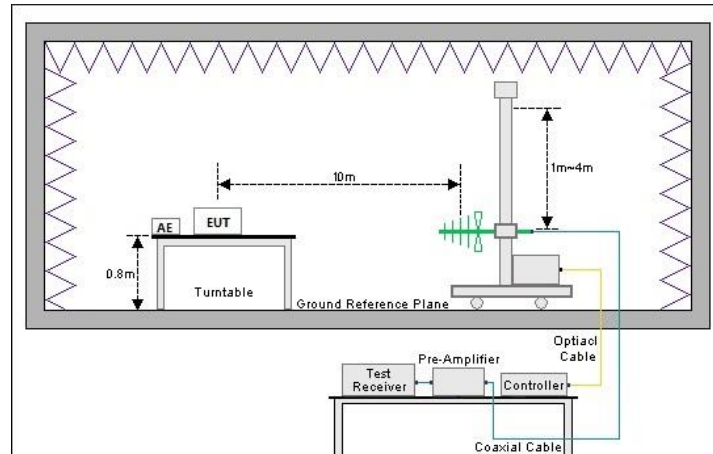
1) Conducted emission measurement:



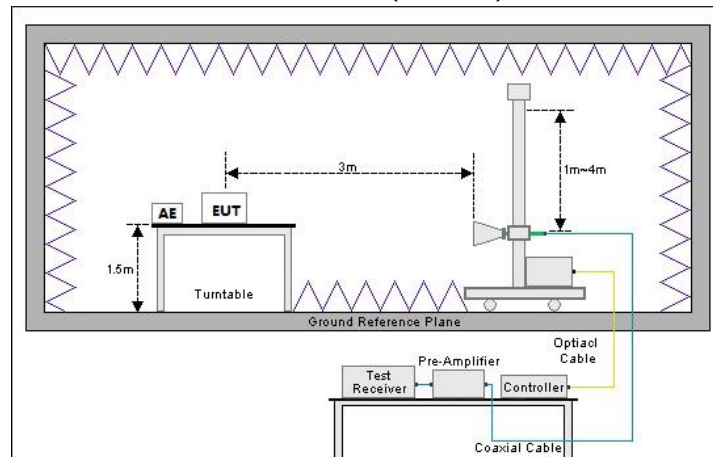
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

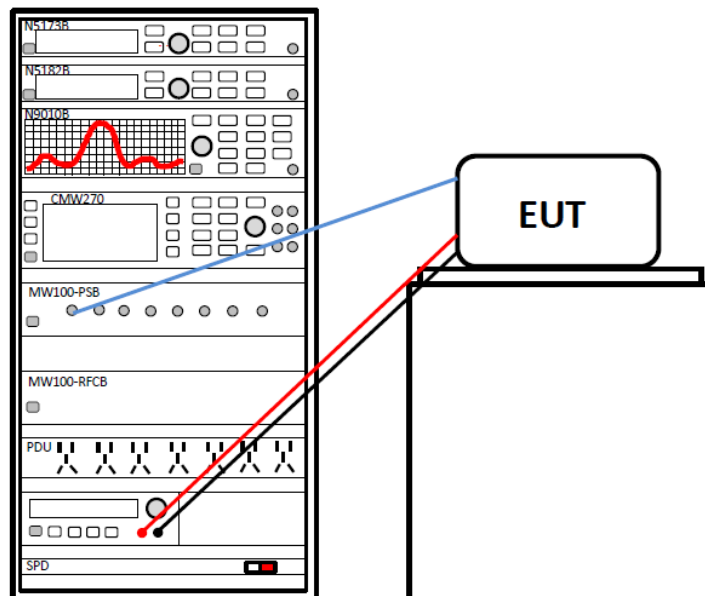
Below 1GHz (10m SAC)



Above 1GHz (3m FAR)



3) Conducted test method



4.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 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 BLE 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)	Appendix A – LE 1M PHY Appendix B – LE 2M PHY Appendix C – LE Coded PHY, S=2 Appendix D – LE Coded PHY, S=8	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – LE 1M PHY Appendix B – LE 2M PHY Appendix C – LE Coded PHY, S=2 Appendix D – LE Coded PHY, S=8	Pass
Power Spectral Density	15.247 (e)	Appendix A – LE 1M PHY Appendix B – LE 2M PHY Appendix C – LE Coded PHY, S=2 Appendix D – LE Coded PHY, S=8	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A – LE 1M PHY Appendix B – LE 2M PHY Appendix C – LE Coded PHY, S=2 Appendix D – LE Coded PHY, S=8	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by “RF Output Power” and other conduction measurement items is 0.5dB (provided by the customer).			
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		

5.1.2 Test Limit

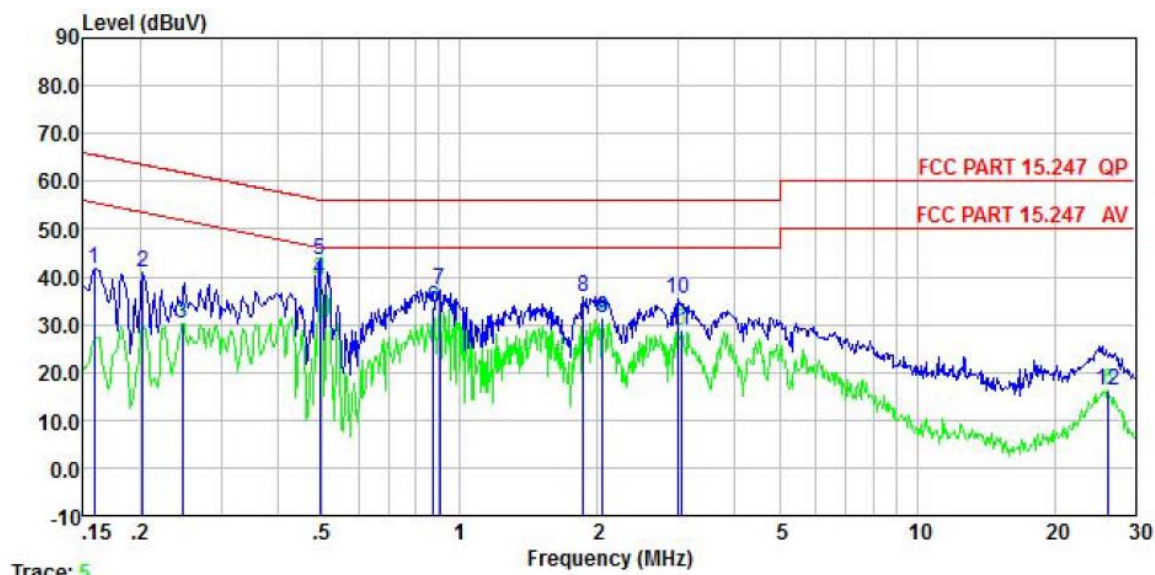
Test items	Limit																																								
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr><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.																									
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Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.																																								
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.																																								
99% Occupied Bandwidth	N/A																																								
Power Spectral Density	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.																																								
Band-edge Emission Conduction Spurious Emission	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).																																								
Emissions in Restricted Frequency Bands Emissions in Non-restricted Frequency Bands	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr><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">Peake</th></tr><tr><th>Average</th><th></th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td></td><td>74.0</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		Peake	Average		Above 1 GHz	54.0		74.0	Note: The measurement bandwidth shall be 1 MHz or greater.			
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	Average																																								
Above 1 GHz	54.0		74.0																																						
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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 BLE antenna is a PCB antenna which cannot replace by end-user, the best case gain of the antenna is - 4.0 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	Home Security Hub(Station)	Product model:	RBGW-202-915(US)
Test by:	Asher	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



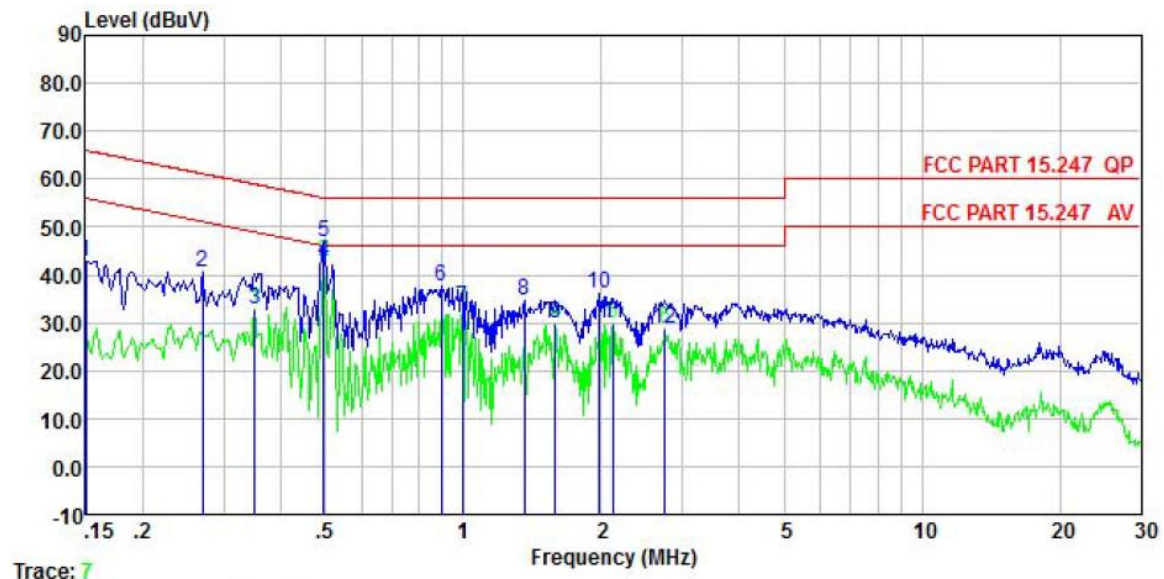
Trace: 5

	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	30.98	0.20	10.50	0.01	41.69	65.56	-23.87	QP
2	0.202	30.03	0.20	10.50	0.04	40.77	63.54	-22.77	QP
3	0.247	19.57	0.20	10.50	0.01	30.28	51.86	-21.58	Average
4	0.494	28.61	0.20	10.50	0.03	39.34	46.10	-6.76	Average
5	0.494	32.84	0.20	10.50	0.03	43.57	56.10	-12.53	QP
6	0.876	22.86	0.20	10.50	0.04	33.60	46.00	-12.40	Average
7	0.904	26.59	0.20	10.50	0.04	37.33	56.00	-18.67	QP
8	1.858	24.92	0.20	10.50	0.19	35.81	56.00	-20.19	QP
9	2.055	20.46	0.20	10.50	0.20	31.36	46.00	-14.64	Average
10	3.009	24.55	0.20	10.50	0.07	35.32	56.00	-20.68	QP
11	3.041	17.80	0.20	10.50	0.07	28.57	46.00	-17.43	Average
12	26.278	5.02	0.30	10.50	0.21	16.03	50.00	-33.97	Average

Remark:

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

Product name:	Home Security Hub(Station)	Product model:	RBGW-202-915(US)
Test by:	Asher	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



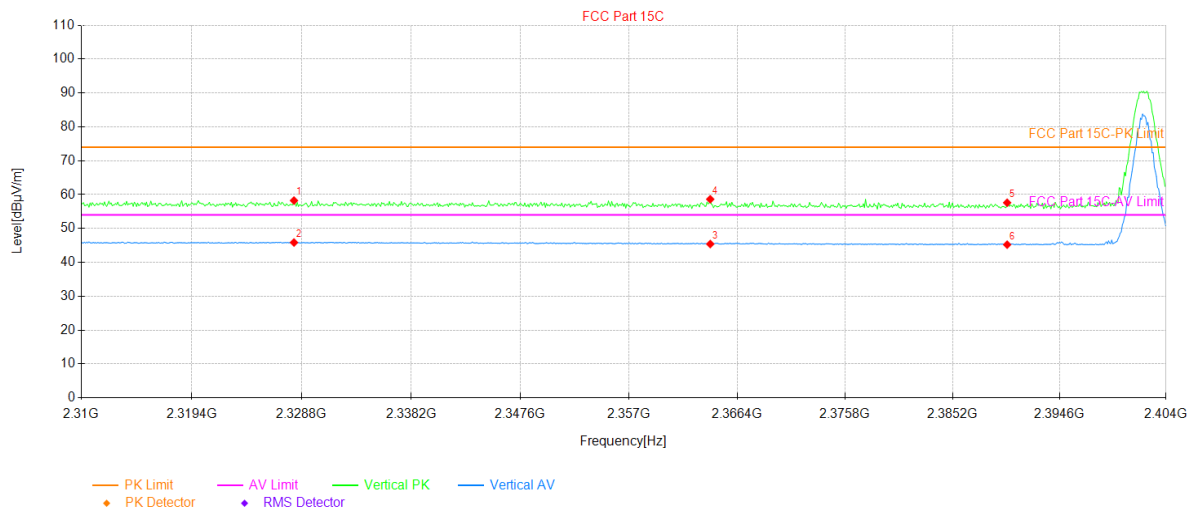
	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	32.14	0.20	10.50	0.01	42.85	66.00	-23.15	QP
2	0.270	29.88	0.20	10.50	0.02	40.60	61.12	-20.52	QP
3	0.350	22.08	0.20	10.50	0.02	32.80	48.96	-16.16	Average
4	0.497	31.95	0.20	10.50	0.03	42.68	46.05	-3.37	Average
5	0.497	35.95	0.20	10.50	0.03	46.68	56.05	-9.37	QP
6	0.894	26.99	0.20	10.50	0.04	37.73	56.00	-18.27	QP
7	0.994	22.33	0.20	10.50	0.05	33.08	46.00	-12.92	Average
8	1.359	23.91	0.24	10.50	0.12	34.77	56.00	-21.23	QP
9	1.585	19.10	0.27	10.50	0.16	30.03	46.00	-15.97	Average
10	1.970	25.11	0.30	10.50	0.21	36.12	56.00	-19.88	QP
11	2.121	18.78	0.30	10.50	0.19	29.77	46.00	-16.23	Average
12	2.750	17.71	0.30	10.50	0.10	28.61	46.00	-17.39	Average

Remark:

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

5.4 Emissions in Restricted Frequency Bands

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



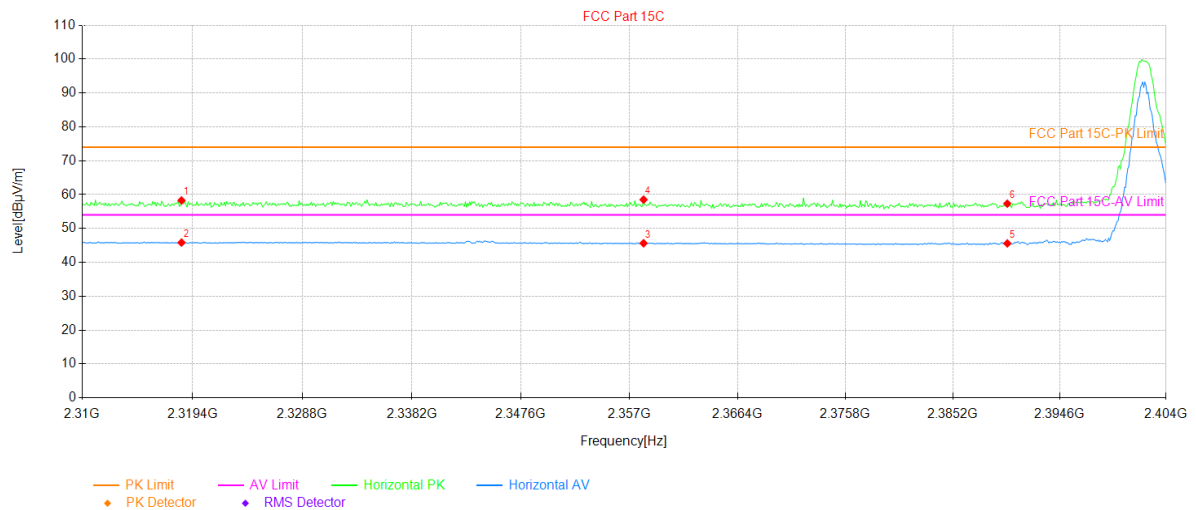
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2328.14	24.04	34.20	58.24	74.00	15.76	246	PK	PASS	Vertical
2	2328.14	11.66	34.20	45.86	54.00	8.14	246	AV	PASS	Vertical
3	2364.05	11.22	34.19	45.41	54.00	8.59	223	AV	PASS	Vertical
4	2364.05	24.44	34.19	58.63	74.00	15.37	208	PK	PASS	Vertical
5	2390.00	23.48	34.13	57.61	74.00	16.39	34	PK	PASS	Vertical
6	2390.00	11.10	34.13	45.23	54.00	8.77	258	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



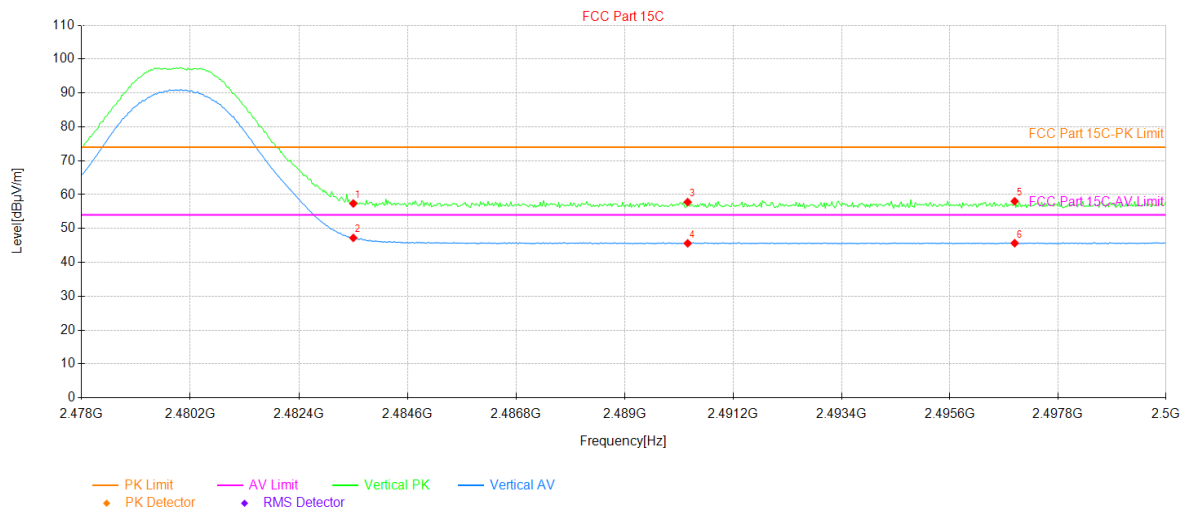
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2318.46	24.18	34.09	58.27	74.00	15.73	132	PK	PASS	Horizontal
2	2318.46	11.75	34.09	45.84	54.00	8.16	251	AV	PASS	Horizontal
3	2358.22	11.43	34.20	45.63	54.00	8.37	2	AV	PASS	Horizontal
4	2358.22	24.31	34.20	58.51	74.00	15.49	273	PK	PASS	Horizontal
5	2390.00	11.46	34.13	45.59	54.00	8.41	333	AV	PASS	Horizontal
6	2390.00	23.20	34.13	57.33	74.00	16.17	336	PK	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



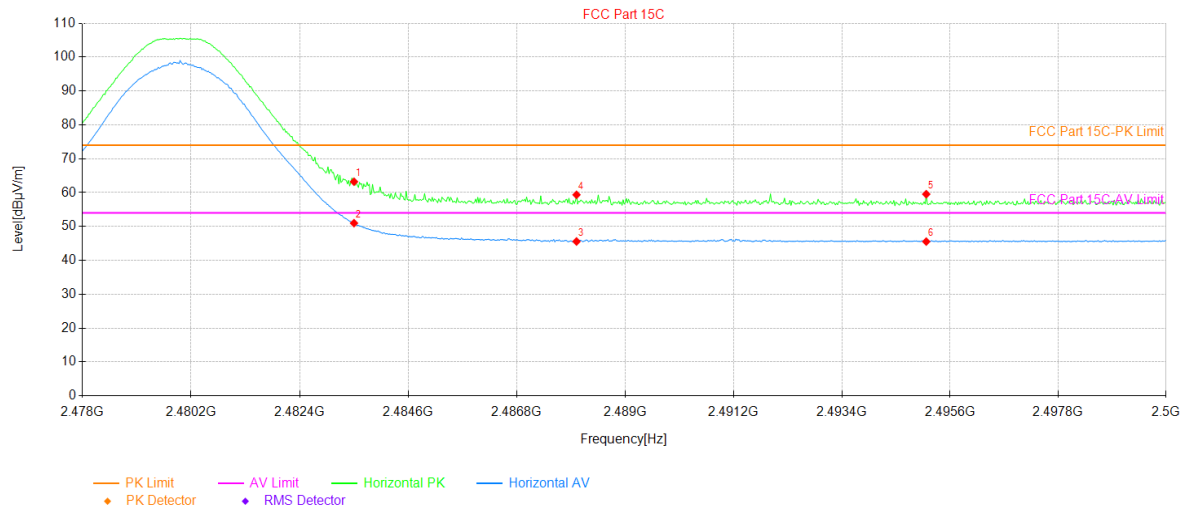
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.5	22.87	34.51	57.38	74.00	16.62	143	PK	PASS	Vertical
2	2483.5	12.70	34.51	47.21	54.00	6.79	211	AV	PASS	Vertical
3	2490.2	23.26	34.52	57.78	74.00	16.22	226	PK	PASS	Vertical
4	2490.2	11.09	34.52	45.61	54.00	8.39	341	AV	PASS	Vertical
5	2496.9	23.51	34.52	58.03	74.00	15.97	245	PK	PASS	Vertical
6	2496.9	11.15	34.52	45.67	54.00	8.33	140	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



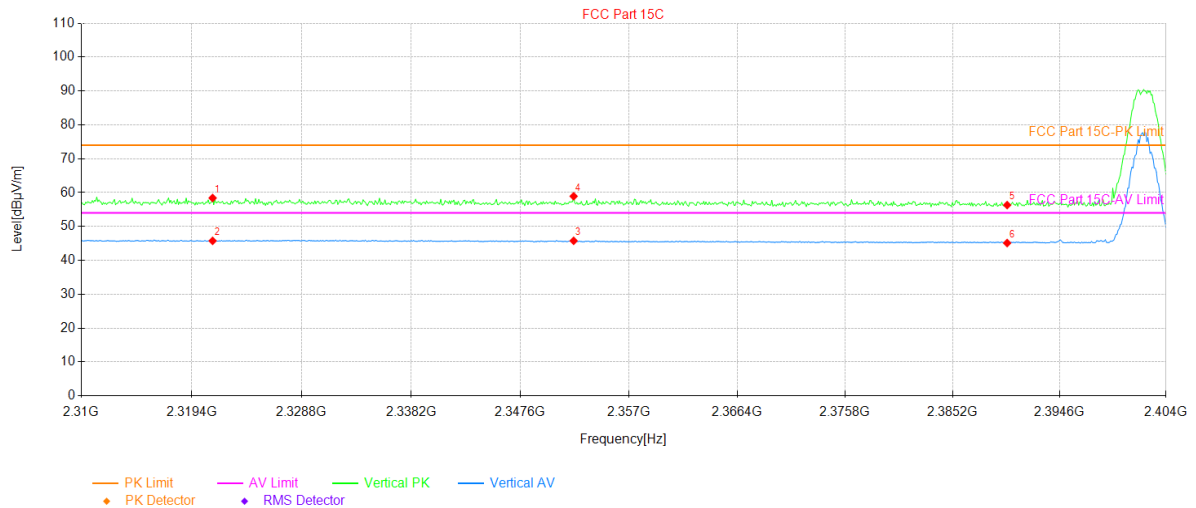
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	28.70	34.51	63.21	74.00	10.79	166	PK	PASS	Horizontal
2	2483.50	16.47	34.51	50.98	54.00	3.02	283	AV	PASS	Horizontal
3	2488.01	11.07	34.51	45.58	54.00	8.42	105	AV	PASS	Horizontal
4	2488.01	24.84	34.51	59.35	74.00	14.65	105	PK	PASS	Horizontal
5	2495.12	25.01	34.52	59.53	74.00	14.47	253	PK	PASS	Horizontal
6	2495.12	11.03	34.52	45.55	54.00	8.45	140	AV	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



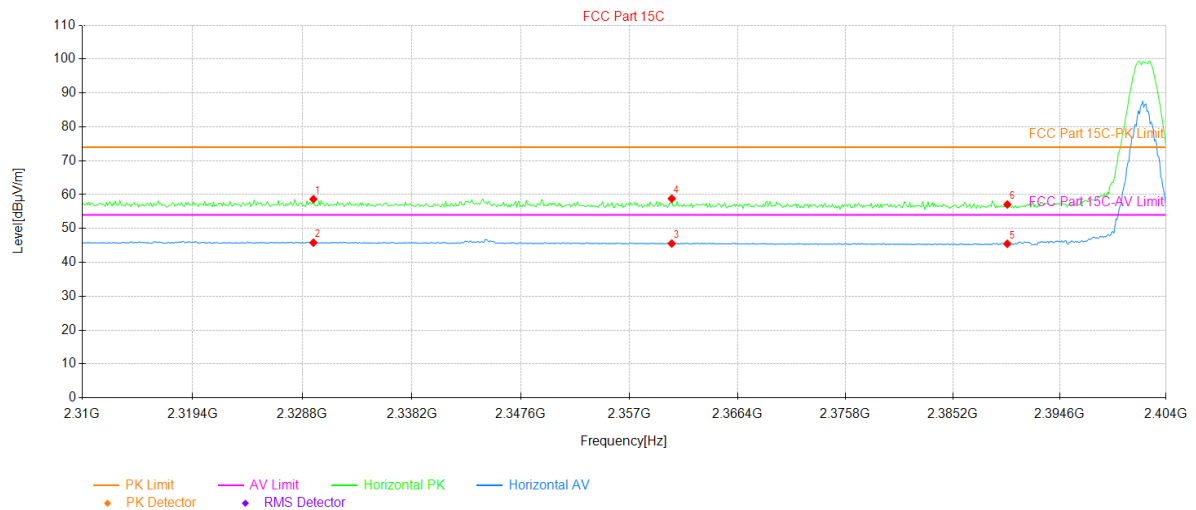
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2321.19	24.28	34.12	58.40	74.00	15.60	180	PK	PASS	Vertical
2	2321.19	11.64	34.12	45.76	54.00	8.24	0	AV	PASS	Vertical
3	2352.21	11.57	34.21	45.78	54.00	8.22	340	AV	PASS	Vertical
4	2352.21	24.71	34.21	58.92	74.00	15.08	276	PK	PASS	Vertical
5	2390.00	22.18	34.13	56.31	74.00	17.69	102	PK	PASS	Vertical
6	2390.00	10.99	34.13	45.12	54.00	8.88	318	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



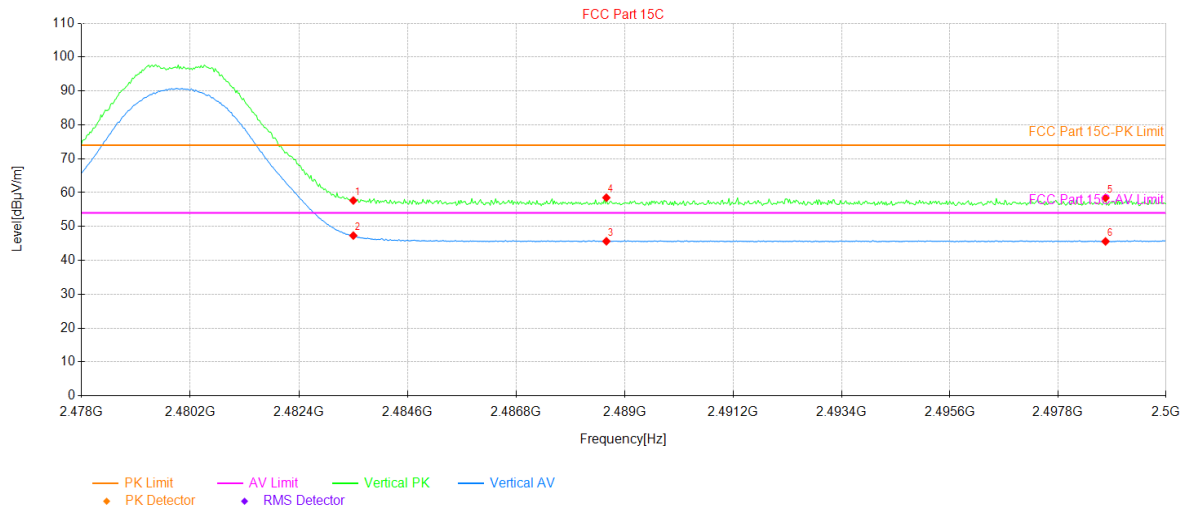
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2329.74	24.43	34.22	58.65	74.00	15.35	201	PK	PASS	Horizontal
2	2329.74	11.59	34.22	45.81	54.00	8.19	246	AV	PASS	Horizontal
3	2360.67	11.36	34.19	45.55	54.00	8.45	16	AV	PASS	Horizontal
4	2360.67	24.61	34.19	58.80	74.00	15.20	228	PK	PASS	Horizontal
5	2390.00	11.35	34.13	45.48	54.00	8.52	197	AV	PASS	Horizontal
6	2390.00	22.95	34.13	57.08	74.00	16.92	197	PK	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



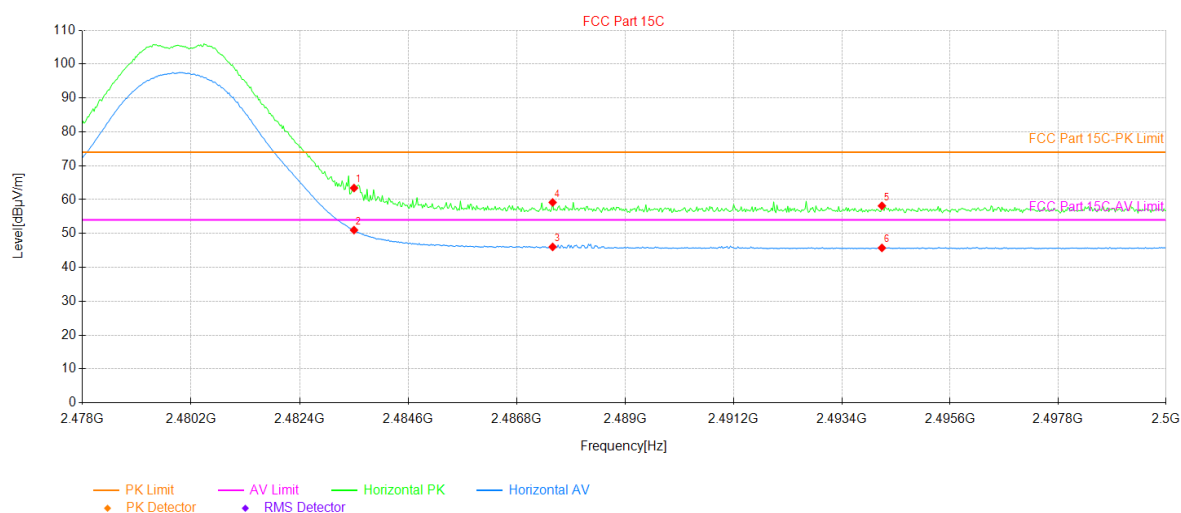
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	23.16	34.51	57.67	74.00	16.33	231	PK	PASS	Vertical
2	2483.50	12.79	34.51	47.30	54.00	6.70	77	AV	PASS	Vertical
3	2488.63	11.13	34.51	45.64	54.00	8.36	77	AV	PASS	Vertical
4	2488.63	23.99	34.51	58.50	74.00	15.50	280	PK	PASS	Vertical
5	2498.77	23.93	34.53	58.46	74.00	15.54	183	PK	PASS	Vertical
6	2498.77	11.06	34.53	45.59	54.00	8.41	47	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



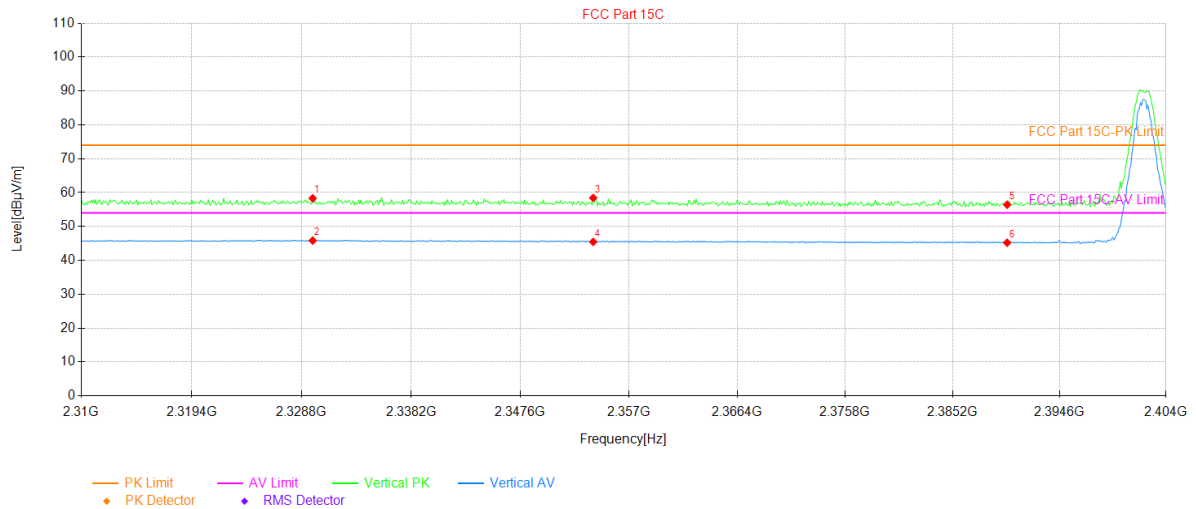
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	28.90	34.51	63.41	74.00	10.59	184	PK	PASS	Horizontal
2	2483.50	16.49	34.51	51.00	54.00	3.00	282	AV	PASS	Horizontal
3	2487.53	11.53	34.51	46.04	54.00	7.96	274	AV	PASS	Horizontal
4	2487.53	24.66	34.51	59.17	74.00	14.83	233	PK	PASS	Horizontal
5	2494.21	23.64	34.52	58.16	74.00	15.84	27	PK	PASS	Horizontal
6	2494.21	11.22	34.52	45.74	54.00	8.26	104	AV	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



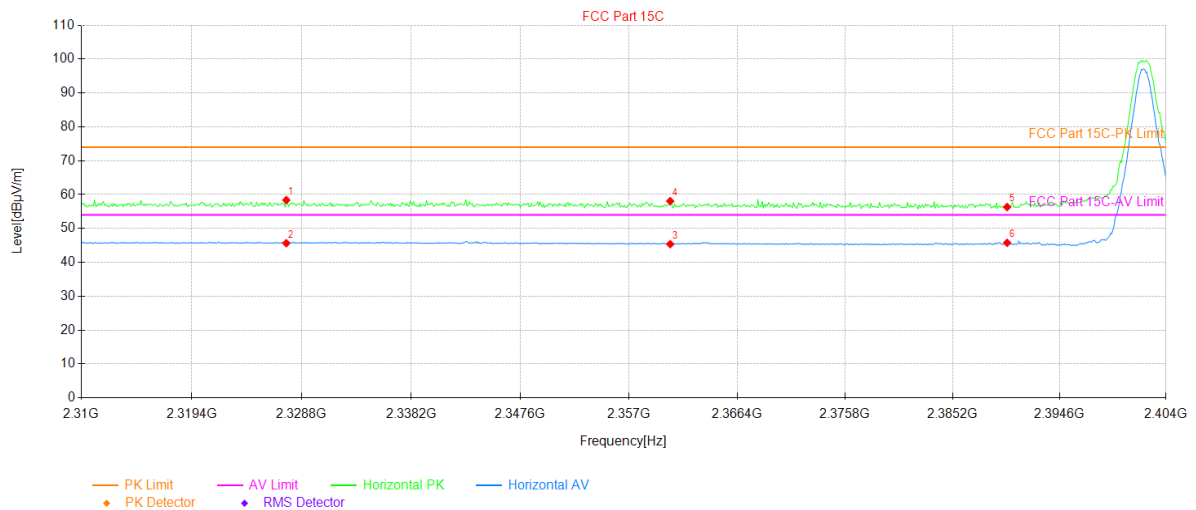
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2329.74	24.10	34.22	58.32	74.00	15.68	13	PK	PASS	Vertical
2	2329.74	11.62	34.22	45.84	54.00	8.16	238	AV	PASS	Vertical
3	2353.90	24.21	34.21	58.42	74.00	15.58	39	PK	PASS	Vertical
4	2353.90	11.25	34.21	45.46	54.00	8.54	223	AV	PASS	Vertical
5	2390.00	22.29	34.13	56.42	74.00	17.58	194	PK	PASS	Vertical
6	2390.00	11.08	34.13	45.21	54.00	8.79	223	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



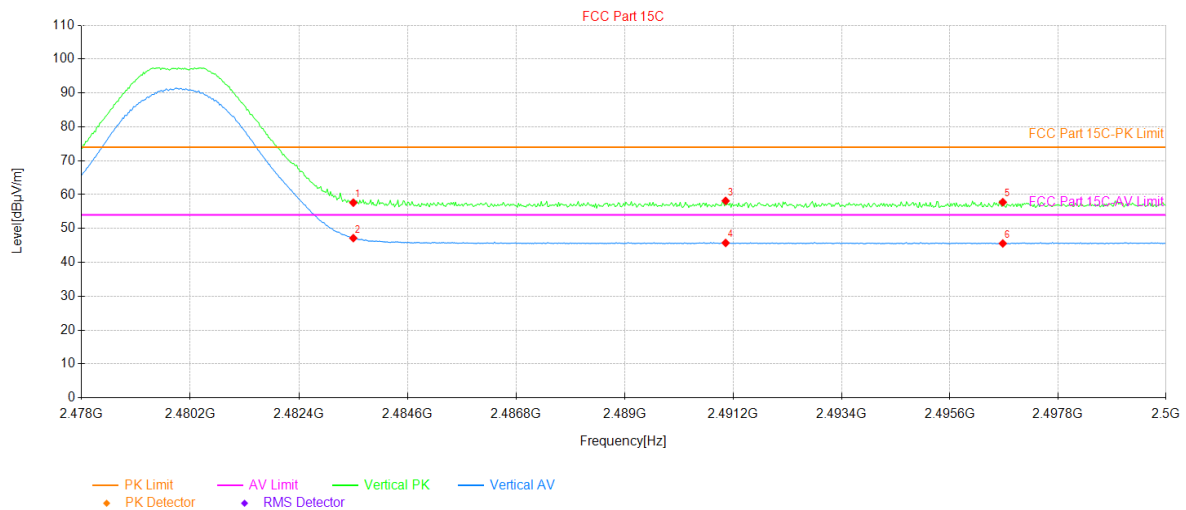
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2327.48	24.20	34.19	58.39	74.00	15.61	158	PK	PASS	Horizontal
2	2327.48	11.47	34.19	45.66	54.00	8.34	230	AV	PASS	Horizontal
3	2360.57	11.19	34.19	45.38	54.00	8.62	24	AV	PASS	Horizontal
4	2360.57	23.88	34.19	58.07	74.00	15.93	210	PK	PASS	Horizontal
5	2390.00	22.20	34.13	56.33	74.00	17.67	38	PK	PASS	Horizontal
6	2390.00	11.65	34.13	45.78	54.00	8.22	320	AV	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



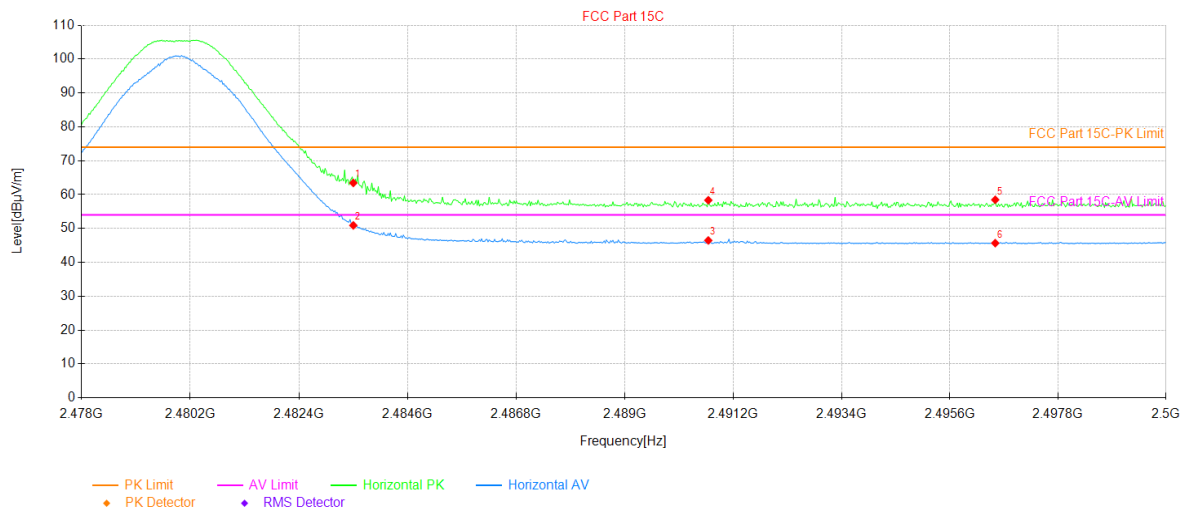
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	23.11	34.51	57.62	74.00	16.38	205	PK	PASS	Vertical
2	2483.50	12.65	34.51	47.16	54.00	6.84	77	AV	PASS	Vertical
3	2491.05	23.63	34.52	58.15	74.00	15.85	235	PK	PASS	Vertical
4	2491.05	11.22	34.52	45.74	54.00	8.26	277	AV	PASS	Vertical
5	2496.68	23.24	34.52	57.76	74.00	16.24	6	PK	PASS	Vertical
6	2496.68	11.06	34.52	45.58	54.00	8.42	358	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



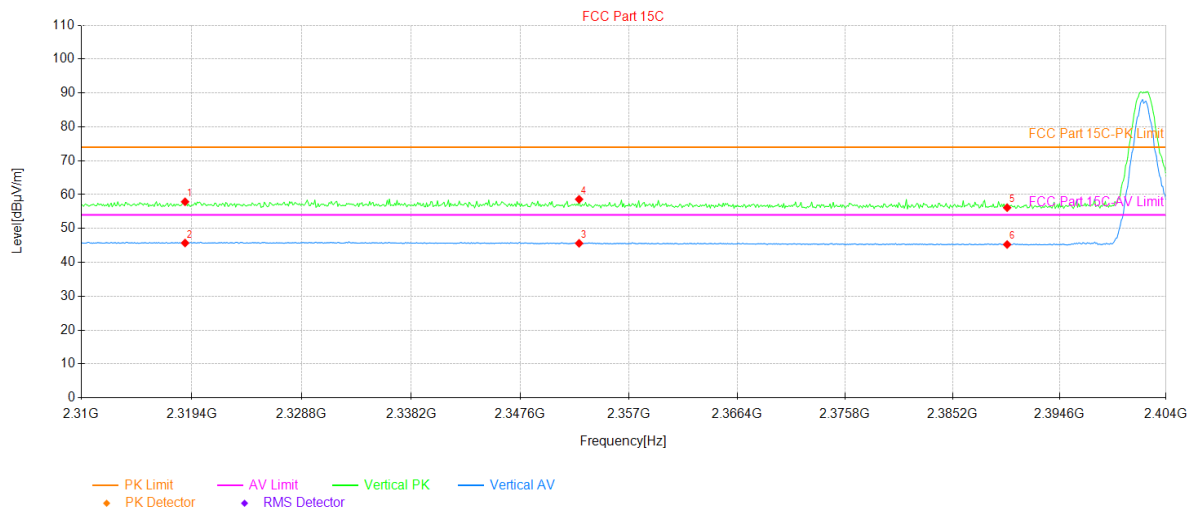
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	28.93	34.51	63.44	74.00	10.56	181	PK	PASS	Horizontal
2	2483.50	16.40	34.51	50.91	54.00	3.09	294	AV	PASS	Horizontal
3	2490.69	11.95	34.52	46.47	54.00	7.53	177	AV	PASS	Horizontal
4	2490.69	23.82	34.52	58.34	74.00	15.66	177	PK	PASS	Horizontal
5	2496.52	23.95	34.52	58.47	74.00	15.53	26	PK	PASS	Horizontal
6	2496.52	11.15	34.52	45.67	54.00	8.33	83	AV	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



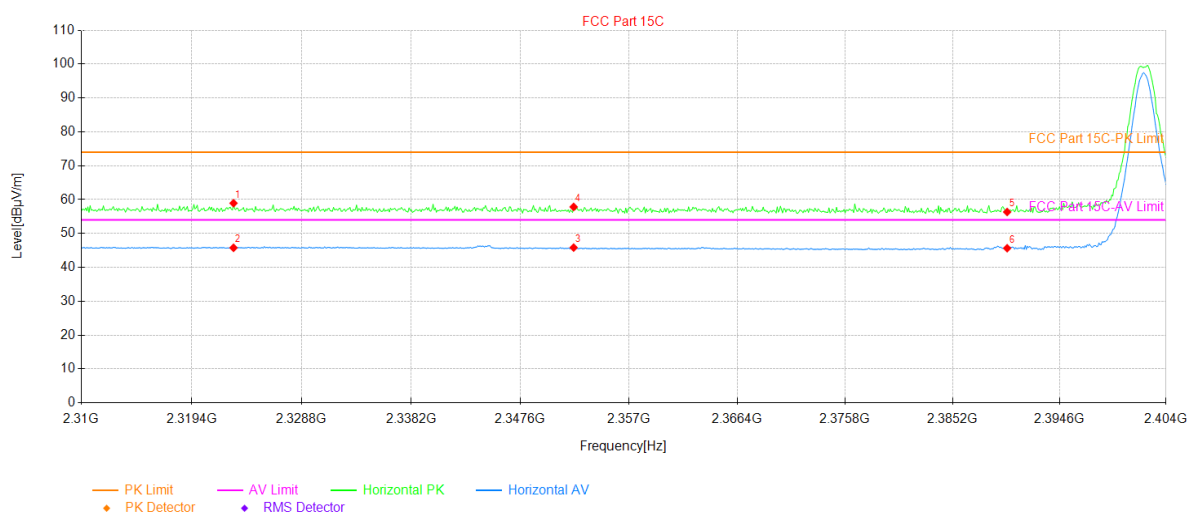
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2318.84	23.78	34.10	57.88	74.00	16.12	30	PK	PASS	Vertical
2	2318.84	11.62	34.10	45.72	54.00	8.28	61	AV	PASS	Vertical
3	2352.68	11.40	34.22	45.62	54.00	8.38	330	AV	PASS	Vertical
4	2352.68	24.39	34.22	58.61	74.00	15.39	330	PK	PASS	Vertical
5	2390.00	22.02	34.13	56.15	74.00	17.85	243	PK	PASS	Vertical
6	2390.00	11.14	34.13	45.27	54.00	8.73	326	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		

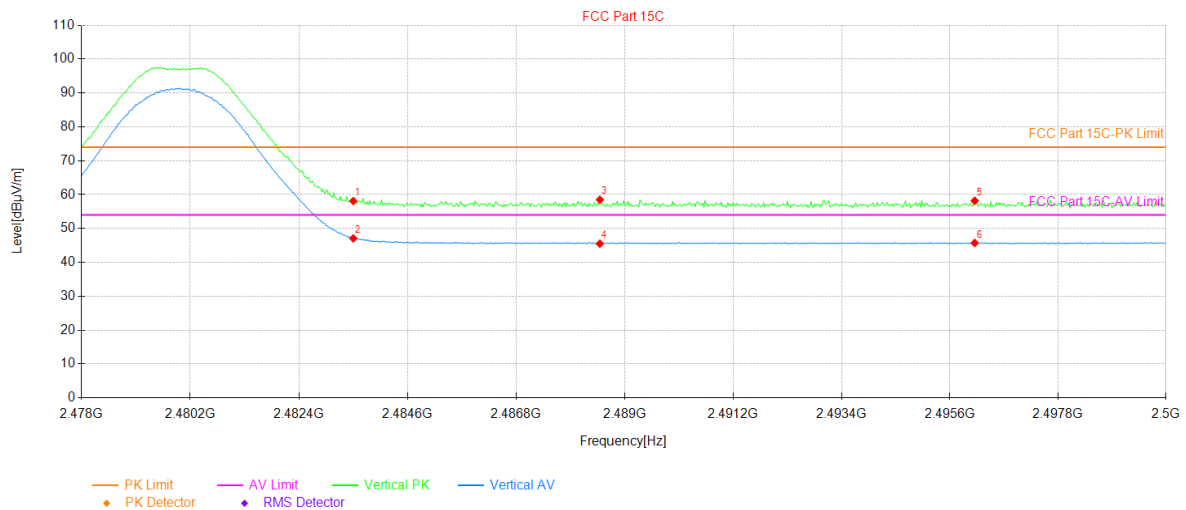


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2322.97	24.80	34.14	58.94	74.00	15.06	170	PK	PASS	Horizontal
2	2322.97	11.64	34.14	45.78	54.00	8.22	124	AV	PASS	Horizontal
3	2352.21	11.62	34.21	45.83	54.00	8.17	298	AV	PASS	Horizontal
4	2352.21	23.63	34.21	57.84	74.00	16.16	298	PK	PASS	Horizontal
5	2390.00	22.22	34.13	56.35	74.00	17.65	226	PK	PASS	Horizontal
6	2390.00	11.53	34.13	45.66	54.00	8.34	305	AV	PASS	Horizontal

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



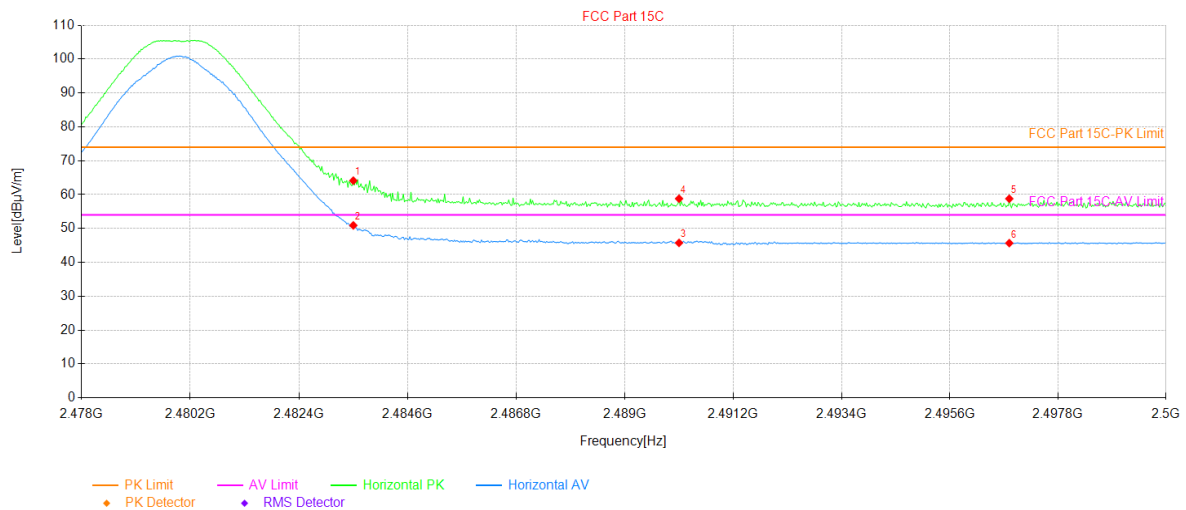
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	23.59	34.51	58.10	74.00	15.90	172	PK	PASS	Vertical
2	2483.50	12.56	34.51	47.07	54.00	6.93	81	AV	PASS	Vertical
3	2488.49	23.98	34.51	58.49	74.00	15.51	88	PK	PASS	Vertical
4	2488.49	11.01	34.51	45.52	54.00	8.48	232	AV	PASS	Vertical
5	2496.11	23.65	34.52	58.17	74.00	15.83	96	PK	PASS	Vertical
6	2496.11	11.21	34.52	45.73	54.00	8.27	115	AV	PASS	Vertical

Remark:

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

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Kiran	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	29.61	34.51	64.12	74.00	9.88	177	PK	PASS	Horizontal
2	2483.50	16.40	34.51	50.91	54.00	3.09	306	AV	PASS	Horizontal
3	2490.10	11.23	34.52	45.75	54.00	8.25	79	AV	PASS	Horizontal
4	2490.10	24.28	34.52	58.80	74.00	15.20	79	PK	PASS	Horizontal
5	2496.81	24.27	34.52	58.79	74.00	15.21	358	PK	PASS	Horizontal
6	2496.81	11.17	34.52	45.69	54.00	8.31	215	AV	PASS	Horizontal

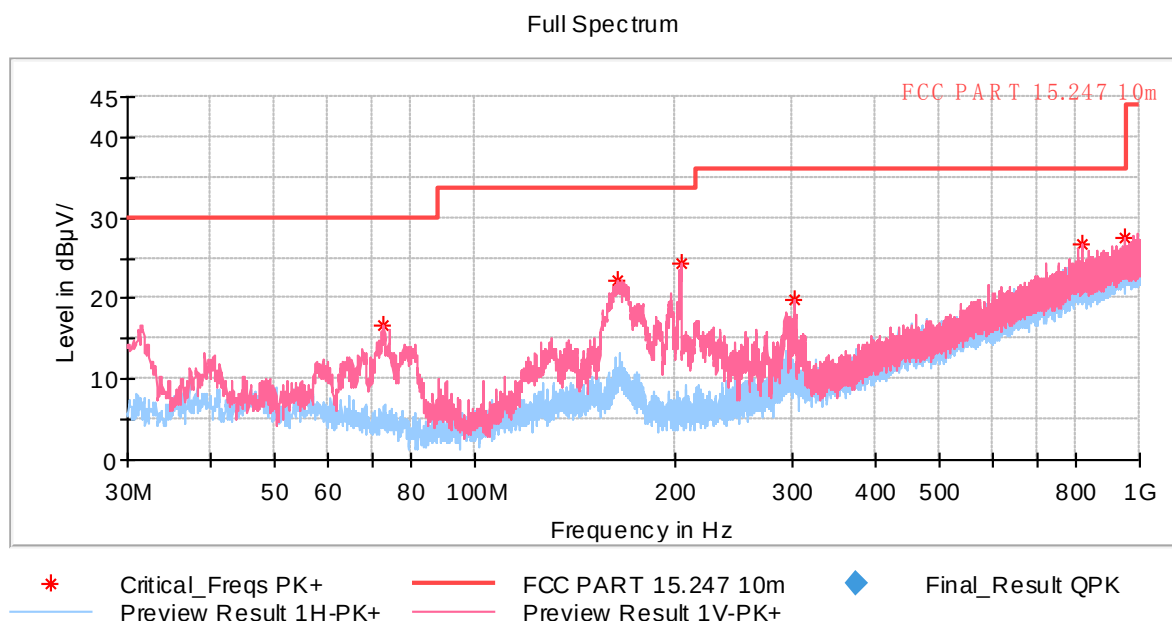
Remark:

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

5.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Home Security Hub(Station)	Product Model:	RBGW-202-915(US)
Test By:	Asher	Test mode:	BLE Tx (LE 1M PHY)
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical & Horizontal
Test Voltage:	AC 120/60Hz		



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
72.971000	16.63	30.00	13.37	100.0	V	133.0	-19.0
163.423500	22.32	33.50	11.18	100.0	V	153.0	-14.9
204.551500	24.36	33.50	9.14	100.0	V	339.0	-18.2
302.861000	19.94	36.00	16.06	100.0	V	14.0	-14.7
819.628500	26.86	36.00	9.14	100.0	V	169.0	-1.9
947.765500	27.42	36.00	8.58	100.0	V	327.0	0.1

Remark:

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

Above 1GHz:

BLE Tx (LE 1M PHY)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	57.02	-7.66	49.36	74.00	24.64	Vertical
4804.00	57.47	-7.66	49.81	74.00	24.19	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	47.57	-7.66	39.91	54.00	14.09	Vertical
4804.00	47.69	-7.66	40.03	54.00	13.97	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	57.75	-7.77	49.98	74.00	24.02	Vertical
4884.00	56.36	-7.77	48.59	74.00	25.41	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	48.61	-7.77	40.84	54.00	13.16	Vertical
4884.00	47.60	-7.77	39.83	54.00	14.17	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	55.78	-7.82	47.96	74.00	26.04	Vertical
4960.00	58.23	-7.82	50.41	74.00	23.59	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	48.78	-7.82	40.96	54.00	13.04	Vertical
4960.00	48.20	-7.82	40.38	54.00	13.62	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

BLE Tx (LE 2M PHY)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	57.60	-7.66	49.94	74.00	24.06	Vertical
4804.00	58.25	-7.66	50.59	74.00	23.41	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	46.42	-7.66	38.76	54.00	15.24	Vertical
4804.00	47.16	-7.66	39.50	54.00	14.50	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	56.37	-7.77	48.60	74.00	25.40	Vertical
4884.00	57.22	-7.77	49.45	74.00	24.55	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	46.84	-7.77	39.07	54.00	14.93	Vertical
4884.00	48.59	-7.77	40.82	54.00	13.18	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	56.09	-7.82	48.27	74.00	25.73	Vertical
4960.00	56.87	-7.82	49.05	74.00	24.95	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	46.74	-7.82	38.92	54.00	15.08	Vertical
4960.00	46.96	-7.82	39.14	54.00	14.86	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

BEL Tx (LE Coded PHY, S=2)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	57.46	-7.66	49.80	74.00	24.20	Vertical
4804.00	56.76	-7.66	49.10	74.00	24.90	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	47.31	-7.66	39.65	54.00	14.35	Vertical
4804.00	47.58	-7.66	39.92	54.00	14.08	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	56.77	-7.77	49.00	74.00	25.00	Vertical
4884.00	56.23	-7.77	48.46	74.00	25.54	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	48.46	-7.77	40.69	54.00	13.31	Vertical
4884.00	47.95	-7.77	40.18	54.00	13.82	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	57.55	-7.82	49.73	74.00	24.27	Vertical
4960.00	57.07	-7.82	49.25	74.00	24.75	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	47.77	-7.82	39.95	54.00	14.05	Vertical
4960.00	46.59	-7.82	38.77	54.00	15.23	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

BEL Tx (LE Coded PHY, S=8)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	57.62	-7.66	49.96	74.00	24.04	Vertical
4804.00	56.97	-7.66	49.31	74.00	24.69	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	47.01	-7.66	39.35	54.00	14.65	Vertical
4804.00	47.05	-7.66	39.39	54.00	14.61	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	56.04	-7.77	48.27	74.00	25.73	Vertical
4884.00	58.37	-7.77	50.60	74.00	23.40	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	47.67	-7.77	39.90	54.00	14.10	Vertical
4884.00	48.87	-7.77	41.10	54.00	12.90	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	56.56	-7.82	48.74	74.00	25.26	Vertical
4960.00	56.61	-7.82	48.79	74.00	25.21	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	47.13	-7.82	39.31	54.00	14.69	Vertical
4960.00	46.96	-7.82	39.14	54.00	14.86	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

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