



**FCC 47 CFR PART 15 SUBPART E
INDUSTRY CANADA RSS-247 ISSUE 1**

CERTIFICATION TEST REPORT

For

**August Doorbell Cam
MODEL NUMBER: AB-R2**

**FCC ID: 2AB6UABR2
IC: 12163A-ABR2**

REPORT NUMBER: 4788013564-4

ISSUE DATE: June 20, 2017

Prepared for

**August Home Inc
657 Bryant Street, San Francisco, 94107, USA**

Prepared by

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 10, Innovation Technology Park,
Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Tel: +86 769 33817100
Fax: +86 769 33244054
Website: www.ul.com**

Revision History

Rev.	Issue Date	Revisions	Revised By
--	06/20/2017	Initial Issue	

Summary of Test Results			
Clause	Test Items	FCC/IC Rules	Test Results
1	26db Bandwidth	FCC 15.407 (a) IC RSS-247 Clause 6.2.2 (1)	Complied
2	Maximum Conducted Output Power	FCC 15.407 (a) IC RSS-247 Clause 6.2.2 (1)	Complied
3	Power Spectral Density	FCC 15.407 (a) IC RSS-247 Clause 6.2.2 (1)	Complied
4	Antenna Conducted Spurious Emission	FCC 15.407 (b) IC RSS-247 Clause 6.2.2 (2)	Complied
5	Radiated Bandedge and Spurious	FCC 15.407 (a) FCC 15.209 FCC 15.205 IC RSS-247 Clause 6.2.2 (2) IC RSS-GEN Clause 8.9	Complied
6	Conducted Emission Test For AC Power Port	FCC 15.207 RSS-GEN Clause 8.8	Complied
7	Antenna Requirement	FCC 15.203 RSS-GEN Clause 8.3	Complied
8	Frequency Stability	FCC 15.407 (g)	Complied
9	Dynamic Frequency Selection	FCC 15.407 (h) IC RSS-247 Clause 6.3	Complied

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	6
2. TEST METHODOLOGY	7
3. FACILITIES AND ACCREDITATIO.....	7
4. CALIBRATION AND UNCERTAINTY	8
4.1. MEASURING INSTRUMENT CALIBRATION.....	8
4.2. MEASUREMENT UNCERTAINTY	8
5. EQUIPMENT UNDER TEST.....	9
5.1. DESCRIPTION OF EUT	9
5.2. MAXIMUM OUTPUT POWER	9
5.3. CHANNEL LIST	10
5.4. TEST CHANNEL CONFIGURATION	11
5.5. THE WORSE CASE POWER SETTING PARAMETER.....	12
5.6. DESCRIPTION OF AVAILABLE ANTENNAS	13
5.7. WORST-CASE CONFIGURATIONS	14
5.8. DESCRIPTION OF TEST SETUP	15
5.9. TEST ENVIRONMENT	16
5.10. MEASURING INSTRUMENT AND SOFTWARE USED	17
6. ANTENNA PORT TEST RESULTS.....	19
6.1. ON TIME AND DUTY CYCLE.....	19
6.2. EMISSION BANDWIDTH.....	21
6.2.1. 802.11a MODE	22
6.2.2. 802.11n HT 20 MODE	25
6.2.3. 802.11n HT40 MODE	28
6.3. MAXIMUM CONDUCTED OUTPUT POWER	31
6.3.1. 802.11a MODE	32
6.3.2. 802.11n HT 20 MODE	33
6.3.3. 802.11n HT 40 MODE	34
6.4. POWER SPECTRAL DENSITY.....	35
6.4.1. 802.11a MODE	36
6.4.2. 802.11n HT 20 MODE	39
6.4.3. 802.11n HT40 MODE	43
6.5. CONDUCTED SPURIOUS EMISSIONS/UNDESIRABLE EMISSION	46
6.5.1. 802.11a MODE	47
6.5.2. 802.11n HT 20 MODE	50
6.5.3. 802.11n HT40 MODE	53
6.6. RADIATED SPURIOUS EMISSIONS/UNDESIRABLE EMISSION	56

6.6.1.	802.11a MODE	58
6.6.2.	802.11n HT 20 MODE	78
6.6.3.	802.11n HT40 MODE	98
7.	RADIATED TEST RESULTS.....	117
7.1.	<i>LIMITS AND PROCEDURE.....</i>	<i>117</i>
7.2.	<i>RESTRICTED BANDEDGE.....</i>	<i>121</i>
7.2.1.	802.11a MODE	121
7.2.2.	802.11n HT 20 MODE	137
7.2.3.	802.11n HT40 MODE	153
7.3.	<i>SPURIOUS EMISSIONS (1~18GHz).....</i>	<i>169</i>
7.3.1.	802.11a MODE	169
7.3.2.	802.11n HT 20 MODE	193
7.3.3.	802.11n HT40 MODE	217
7.4.	<i>SPURIOUS EMISSIONS BELOW 1 GHz.....</i>	<i>233</i>
7.4.1.	802.11a MODE	233
7.5.	<i>SPURIOUS EMISSIONS BELOW 30M</i>	<i>235</i>
8.	AC POWER LINE CONDUCTED EMISSIONS	236
9.	FREQUENCY STABILITY	239
10.	DYNAMIC FREQUENCY SELECTION.....	242
11.	ANTENNA REQUIREMENTS	250

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: August Home Inc
Address: 657 Bryant Street, San Francisco, 94107, USA

Manufacturer Information

Company Name: August Home Inc
Address: 657 Bryant Street, San Francisco, 94107, USA

EUT Name: August Doorbell Cam

Model: AB-R2

Sample Status: Normal

Sample ID: 1000221

Brand: August

Sample Received: May 27, 2017

Date of Tested: May 27, 2017 ~ June 14, 2017

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Pass
INDUSTRY CANADA RSS-247 Issue 1	Pass
INDUSTRY CANADA RSS-GEN Issue 4	Pass

Tested By : 

Leo Liu
Engineer

Check By: 

Shawn Wen
Laboratory Leader

Approved By:



Stephen Guo
Laboratory Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 4, and RSS-247 Issue 1.

3. FACILITIES AND ACCREDITATIO

Test Location	Dongguan Dongdian Testing Service Co., Ltd
Address	No. 17, Zongbu Road 2, Songshan Lake Sci&Tech Park, Dongguan City, Guangdong Province, 523808, China
Accreditation Certificate	Dongguan Dongdian Testing Service Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until January 31, 2018. Dongguan Dongdian Testing Service Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 270092, Renewal date March 11, 2015, valid time is until March 11, 2018. The 3m Alternate Test Site of Dongguan Dongdian Testing Service Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 10288A on April 23, 2015, valid time is until April 23, 2018.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Occupied Channel Bandwidth	±1%
Uncertainty for radio frequency	1×10 ⁻⁹
RF Output power, conducted	±0.6dB
Power Spectral Density, Conducted	±1.2dB
Unwanted Emissions, Conducted	±0.6dB
Temperature	±0.2°C
Humidity	±1%
DC and Low frequency voltage	±0.5%
Time	±1%
Duty Cycle	±1%
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz to 40GHz)	2.08dB(Polarize: V)
	2.56dB (Polarize: H)
	4.30dB (26GHz-40Gz)
Uncertainty for Conduction emission test(150KHz-30MHz)	2.44dB
Uncertainty for Radiation Emission test (9KHz-150KHz)	3.89dB
Uncertainty for Radiation Emission test (150KHz-30MHz)	3.21dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Equipment	August Doorbell Cam
Model Name	AB-R2
Adapter	DC5V

5.2. MAXIMUM OUTPUT POWER

Frequency Range (MHz)	Max Number of Transmit chains (NTX)	IEE Std. 802.11	Frequency (MHz)	Channel Number	Max Power (dBm)	Max EIRP (dBm)
UNII-1	1	a	5150-5250	36-48	12.46	13.57
UNII-2A	1	a	5250-5350	52-64	11.80	N/A
UNII-2C	1	a	5470-5725	100-140	12.19	N/A
UNII-3	1	a	5725-5850	149-165	12.17	N/A
UNII-1	1	n(HT20)	5150-5250	36-48	14.55	15.66
UNII-2A	1	n(HT20)	5250-5350	52-64	14.00	N/A
UNII-2C	1	n(HT20)	5470-5725	100-140	14.34	N/A
UNII-3	1	n(HT20)	5725-5850	149-165	14.32	N/A
UNII-1	1	n(HT40)	5150-5250	38-46	10.17	11.28
UNII-2A	1	n(HT40)	5250-5350	54-62	9.89	N/A
UNII-2C	1	n(HT40)	5470-5725	102-134	10.95	N/A
UNII-3	1	n(HT40)	5725-5850	151-159	9.73	N/A

5.3. CHANNEL LIST

UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
132	5660				
136	5680				
140	5700				

UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

5.4. TEST CHANNEL CONFIGURATION

Pretest Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 12	TX N40 Mode / CH151,CH159 (UNII-3)

5.5. THE WORSE CASE POWER SETTING PARAMETER

UNII-1							
Test Software Version		Test Channel					
Modulation Mode	Transmit Antenna Number	CH36	CH38	CH40	CH42	CH46	CH48
802.11a	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT20	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT40	1	N/A	N/A	N/A	N/A	N/A	N/A

UNII-2A							
Test Software Version		Test Channel					
Modulation Mode	Transmit Antenna Number	CH52	CH54	CH58	CH60	CH62	CH64
802.11a	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT20	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT40	1	N/A	N/A	N/A	N/A	N/A	N/A

UNII-2C								
Test Software Version		Test Channel						
Modulation Mode	Transmit Antenna Number							
		CH100	CH102	CH106	CH110	CH116	CH134	CH140
802.11a	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT20	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT40	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

UNII-3							
Test Software Version		Test Channel					
Modulation Mode	Transmit Antenna Number	CH149	CH151	CH155	CH157	CH159	CH165
802.11a	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT20	1	N/A	N/A	N/A	N/A	N/A	N/A
802.11n HT40	1	N/A	N/A	N/A	N/A	N/A	N/A

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	5180-5825	PCB Antenna	1.11
Note: N/A			

IEE Std. 802.11	Transmit and Receive Mode	Description	Worst Case (Transmit chain for use)
a	☒ 1TX, 1RX	Chain 1 can be used as transmitting/receiving antenna.	☒ Chain 1 ☐ Chain 2 ☐ Chain 3 ☐ Chain 4
Note: 1. The EUT supports the diversity function for WLAN. 2. All the modes had been tested but only the worst data in the report.			

IEE Std. 802.11	Transmit and Receive Mode	Description	Worst Case (Transmit chain for use)
n(MCS0-7)	☒ 1TX, 1RX	Chain 1 can be used as transmitting/receiving antenna.	☒ Chain 1 ☐ Chain 2 ☐ Chain 3 ☐ Chain 4
Note: 1. The EUT supports the diversity function for WLAN. 2. All the modes had been tested but only the worst data in the report.			

5.7. WORST-CASE CONFIGURATIONS

IEEE Std. 802.11	Modulation Technology	Modulation Type	Data Rate (Mbps)	Worst Case (Mbps)
a	DSSS	BPSK, QPSK, 16QAM, 64QAM	54/48/36/24/18/12/9/6	6

802.11n HT20/HT40							
Antenna	MCS	Modulation	HT20 Data Rate(Mbps)		HT40 Data Rate(Mbps)		Worst Case (Mbps)
			GI=800ns	GI=400ns	GI=800ns	GI=400ns	
1x1	0	BPSK	6.5	7.2	13.5	15.0	MCS0
	1	QPSK	13.0	14.2	27.0	30.0	MCS0
	2	QPSK	19.5	21.7	40.5	45.0	MCS0
	3	16-QAM	26.0	28.9	54.0	60.0	MCS0
	4	16-QAM	39.0	43.3	81.0	90.0	MCS0
	5	64-QAM	52.0	57.8	108.0	120.0	MCS0
	6	64-QAM	58.5	65.0	121.5	135.0	MCS0
	7	64-QAM	65.0	72.2	135.0	150.0	MCS0

5.8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	Laptop	Lenovo	ThinkPad T460s	SL10K24796 JS

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB out 1	USB	Unshielded	0.5	N/A

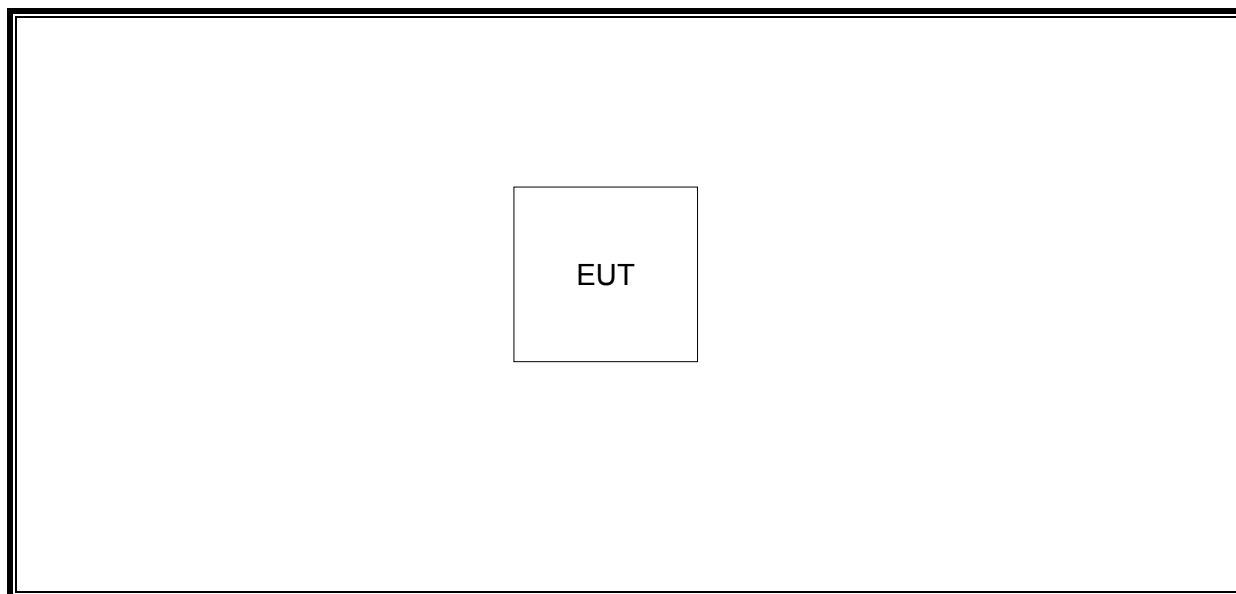
ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Cisco Aironet 802.11ac Dual Band Access Points	Cisco	AIR-CAP3702E-A-K9	FCC ID:LDK102087 IC:2461B-102087
2	Notebook	DELL	Latitude D610	N/A

TEST SETUP

The EUT can work in an engineer mode with a software through a Laptop.

SETUP DIAGRAM FOR TEST



5.9. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests	
Relative Humidity	55 ~ 65%	
Atmospheric Pressure:	1025Pa	
Temperature	TN	23 ~ 28°C
Voltage :	VL	N/A
	VN	DC 5V
	VH	N/A

Note: VL= Lower Extreme Test Voltage
VN= Nominal Voltage
VH= Upper Extreme Test Voltage
TN= Normal Temperature

5.10. MEASURING INSTRUMENT AND SOFTWARE USED

Instrument(Conducted for RF Port)						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☒	Spectrum analyzer	R&S	FSU26	1166.1660.26	Oct.16, 2016	Oct.16,2017
☒	Wideband Radio Communication tester	R&S	CMW500	155523	Dec.20, 2016	Dec.20,2017
☒	Vector Signal Generator	Agilent	E8267D	MY52098743	Oct.20, 2016	Oct.20,2017
☒	Vector Signal Generator	Agilent	N5182A	MY48180737	Jul.05,2016	Jul.05,2017
☒	Power Sensor	Agilent	U2021XA	MY55150010	Apr.18,2017	Apr.18,2018
☒	Power Sensor	Agilent	U2021XA	MY55150011	Apr.19,2017	Apr.19,2018
☒	DC Power Source	MATRIS	MPS-3005L-3	D813058W	Oct.24,2016	Oct.24,2017
☒	Attenuator	Mini-Circuits	BW-S10W2	101109	Aug.18,2016	Aug.18,2017
☒	RF Cable	Micable	C10-01-01-1	100309	Aug.18,2016	Aug.18,2017
☒	Test Software	JS Tonscend	JS1120-2	Ver.2.5	N/A	N/A
☒	USB Data acquisition	Agilent	U2531A	TW55043503	N/A	N/A
☒	Auto control Unit	JS Tonscend	JS0806-2	158060010	N/A	N/A
Instrument (Line Conducted Emission (AC Main))						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☒	EMI Test Receiver	R&S	ESCI	101247	Nov.3,2016	Nov.3,2017
☒	V-Network	R&S	ESH3-Z6	100211	Nov.3,2016	Nov.3,2017
☒	V-Network	R&S	ESH3-Z6	100210	Nov.3,2016	Nov.3,2017
☒	Pulse Limiter	R&S	ESH3-Z2	101488	Nov.3,2016	Nov.3,2017
☒	Test Software	R&S	ES-K1	N/A	N/A	N/A
Instrument (Radiated Tests)						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☒	EMI Test Receiver	R&S	ESI 26	100009	Nov.2,2016	Nov.2,2017
☒	RF Test Panel	R&S	TS / RSP	335015/0017	N/A	N/A
☒	EMI Test Software	R&S	ESK1	N/A	N/A	N/A
☒	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	Nov.8,2016	Nov.8,2017

☒	Horn Antenna	ShwarzBeck	9120D	1011	Nov.8,2016	Nov.8,2017
☒	High Gain Horn Antenna	ShwarzBeck	BBHA-9170	697	Jan.6,2016	Jan.5,2019
☒	Loop Antenna	R&S	HZ-9	838622\013	Nov.8,2016	Nov.8,2017
☒	Broadband Horn Antenna	ShwarzBeck	BBHA9170	BBHA91704 72	Nov.8,2016	Nov.8,2017
☒	Broadband Preamplifer	ShwarzBeck	BBV 9718	9718-247	Nov.2,2016	Nov.2,2017
☒	Broadband Preamplifer	ShwarzBeck	BBV 9721	9721-102	Nov.2,2016	Nov.2,2017
☒	Preamplifer	TDK	PA-02-3	TRS-308- 00002	Dec.21,2016	Dec.20,2017
☒	Antenna Mast	MATURO	TAM-4.0-P	----	N/A	N/A
☒	EMI Test Software	Audix	E3	N/A	N/A	N/A

6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

LIMITS

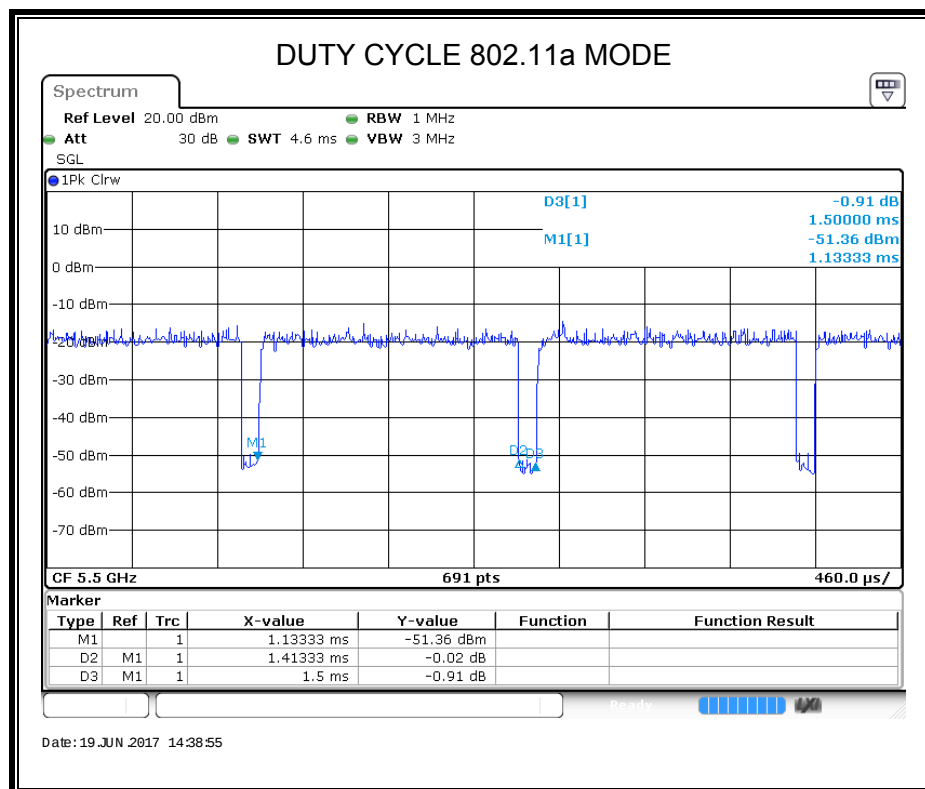
None; for reporting purposes only.

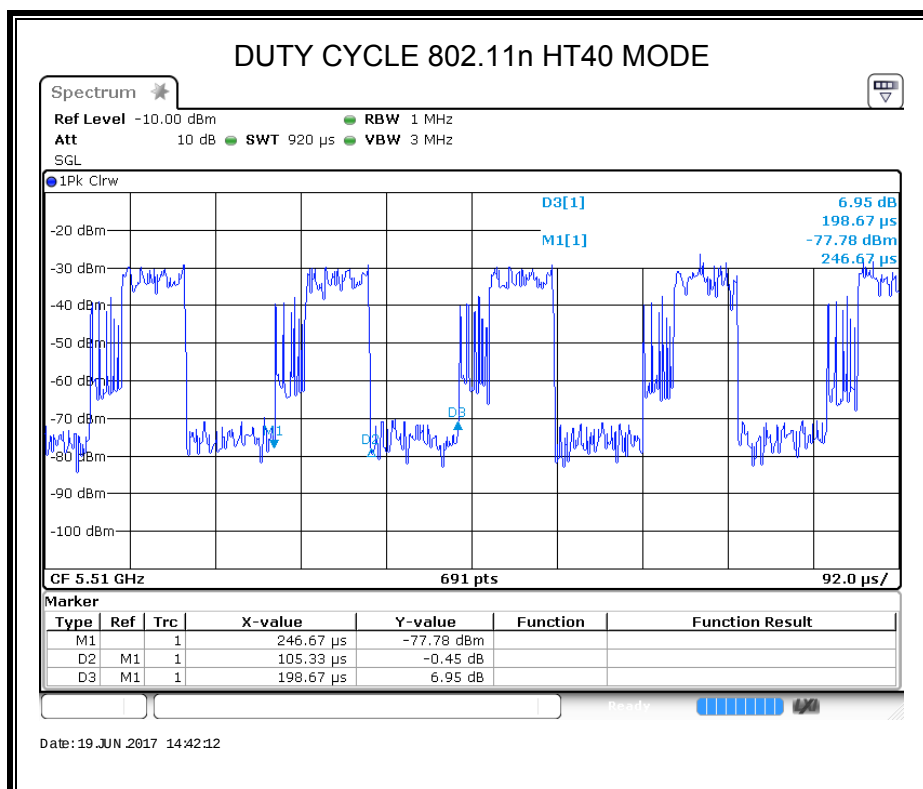
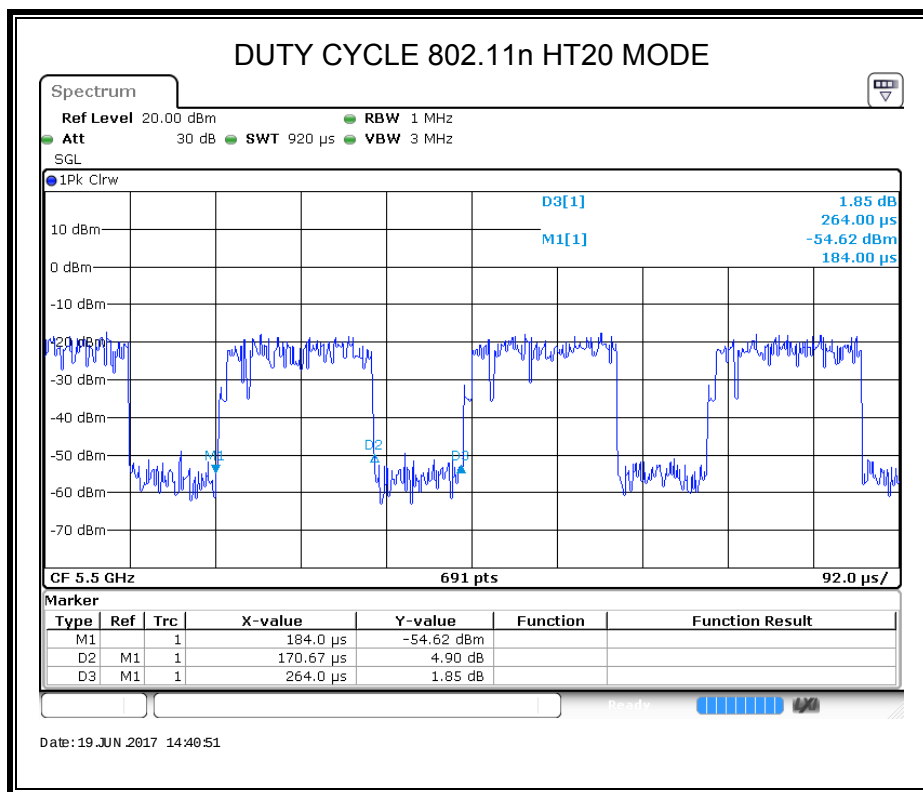
RESULTS

Mode	ON Time (ms)	Period (ms)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (KHz)
802.11a	1.413	1.5	0.942	94.2	0.25	0.49
802.11n HT20	0.170	0.264	0.644	64.4	1.9	0.53
802.11n HT40	0.105	0.198	0.53	53	2.7	1.07

Note: Duty Cycle Correction Factor=10log(1/x).
Where: x is Duty Cycle(Linear)

DUTY CYCLE PLOTS





6.2. EMISSION BANDWIDTH

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Bandwidth	26 dB/99% Bandwidth	5150-5250
	26 dB/99% Bandwidth	5250-5350
	26 dB/99% Bandwidth	5470-5725
	Minimum 500kHz 6dB/99% Bandwidth	5725-5850

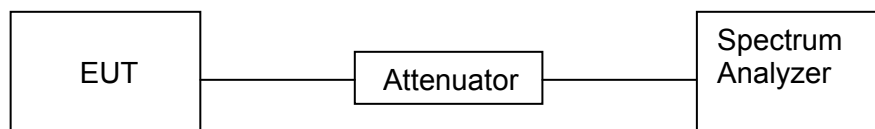
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Span	> 6/26dB/99% Bandwidth
Detector	Peak
RBW	approximately 1% of the emission bandwidth.
VBW	$\geq 3 \times \text{RBW}$
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6/26 dB/99% relative to the maximum level measured in the fundamental emission.

TEST SETUP



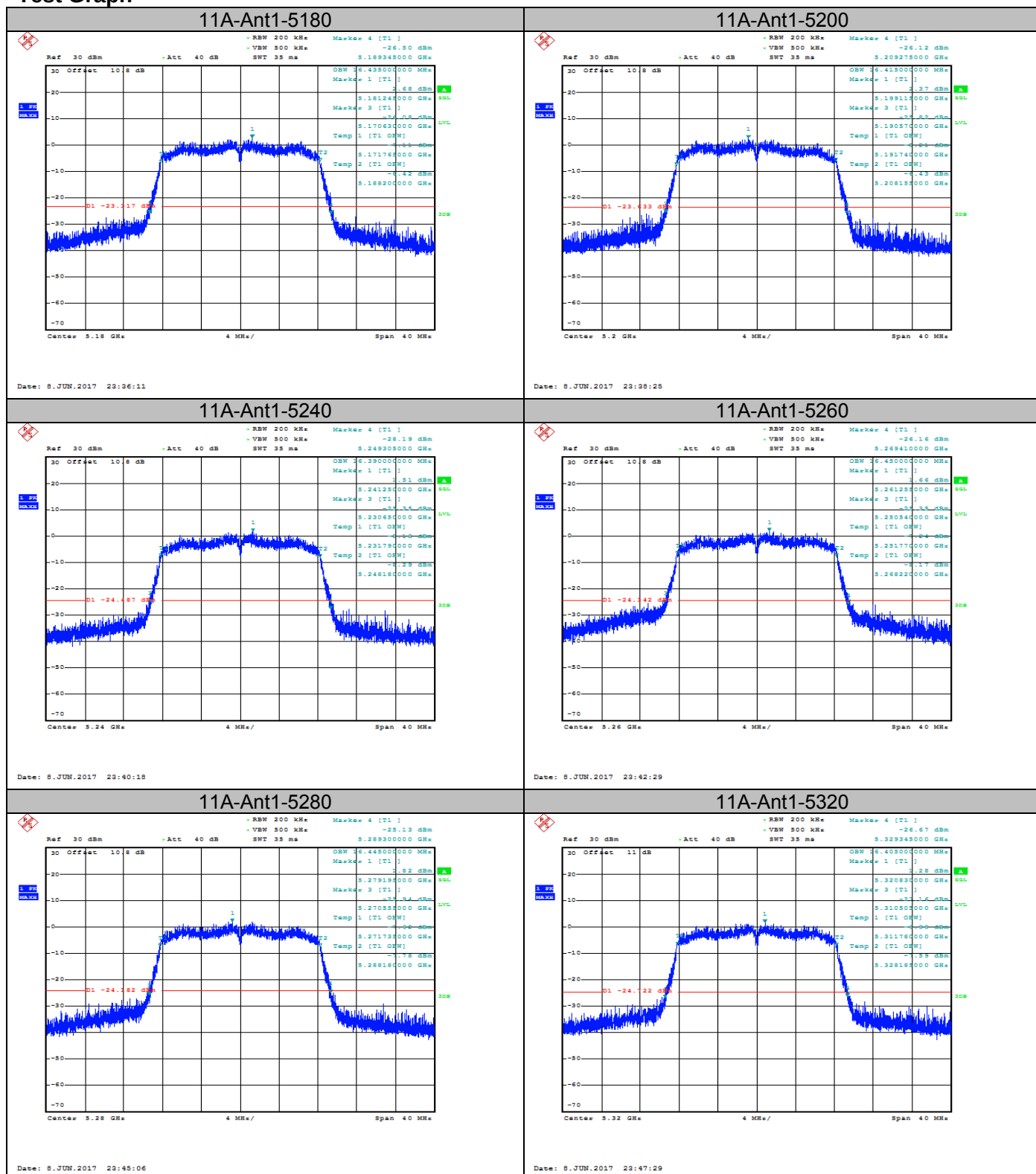
RESULTS

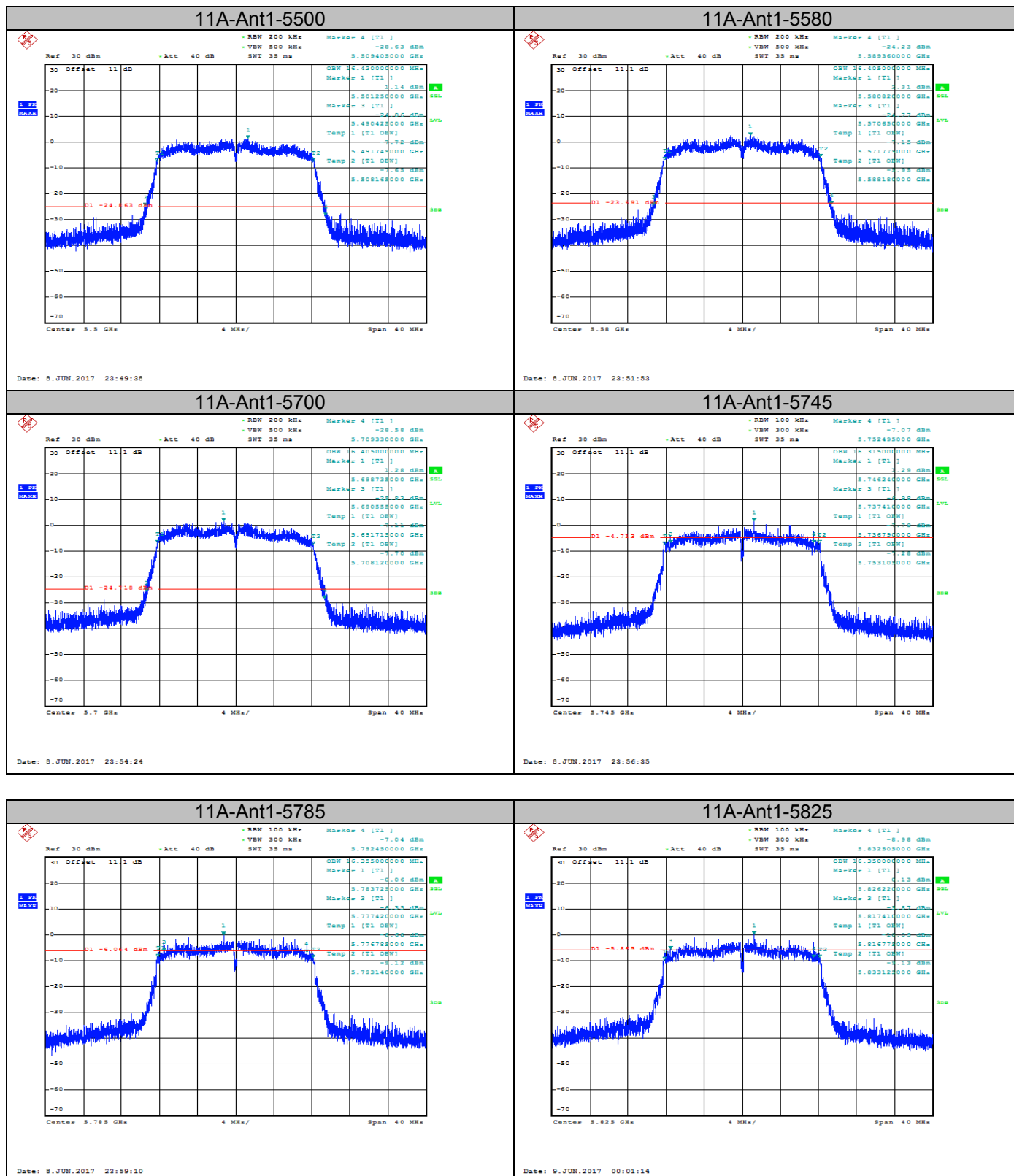
6.2.1. 802.11a MODE

Result Table

Test Mode	Antenna	Channel	EBW[MHz]	OBW[MHz]	Verdict
11A	Ant1	5180	18.715	16.435	PASS
11A	Ant1	5200	18.705	16.415	PASS
11A	Ant1	5240	18.655	16.390	PASS
11A	Ant1	5260	18.870	16.450	PASS
11A	Ant1	5280	18.745	16.445	PASS
11A	Ant1	5320	18.840	16.405	PASS
11A	Ant1	5500	18.980	16.420	PASS
11A	Ant1	5580	18.710	16.405	PASS
11A	Ant1	5700	18.775	16.405	PASS
11A	Ant1	5745	15.085	16.315	PASS
11A	Ant1	5785	15.030	16.355	PASS
11A	Ant1	5825	15.095	16.350	PASS

Test Graph



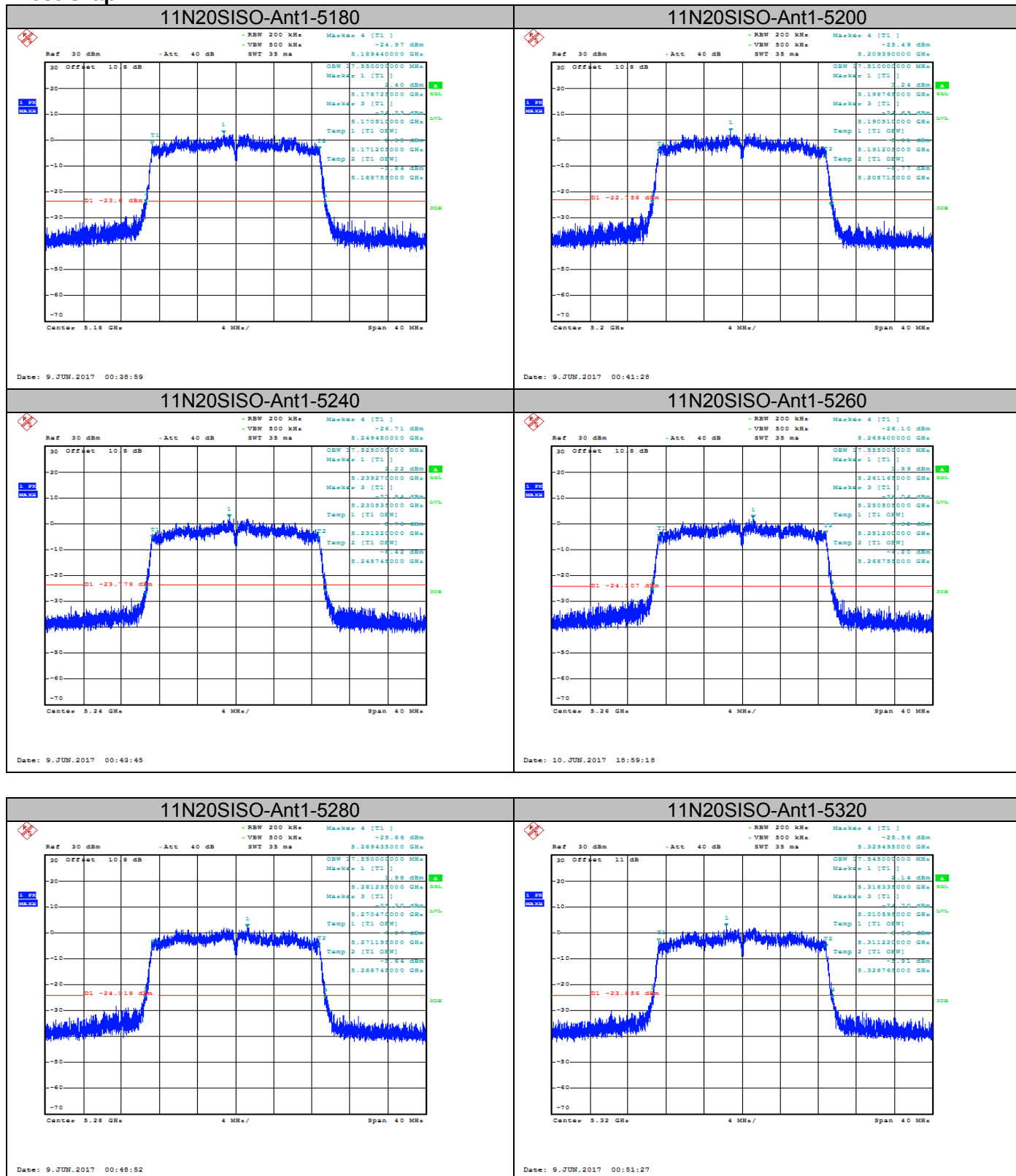


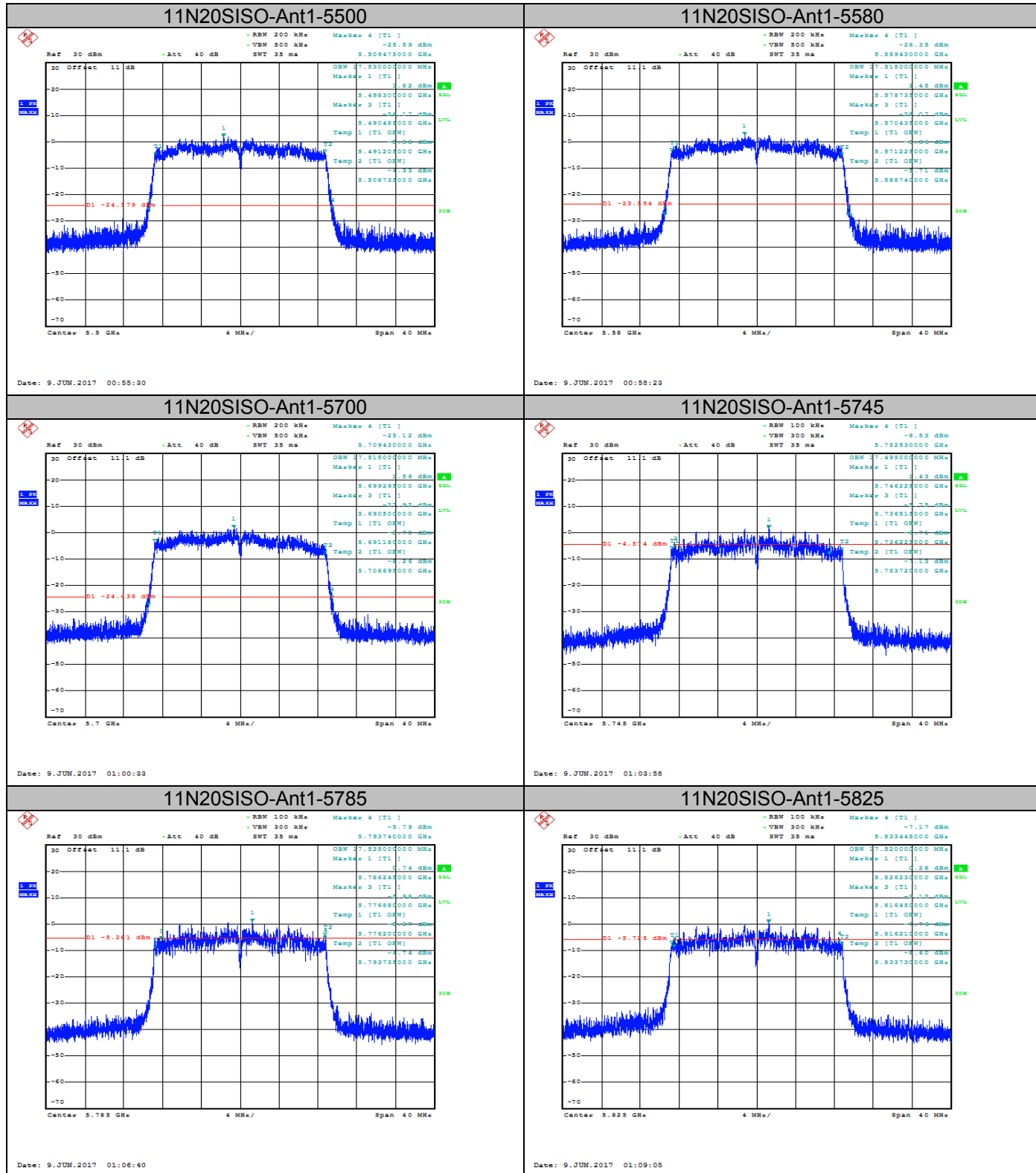
6.2.2. 802.11n HT 20 MODE

Result Table

Test Mode	Antenna	Channel	EBW[MHz]	OBW[MHz]	Verdict
11N20	Ant1	5180	18.930	17.550	PASS
11N20	Ant1	5200	18.880	17.510	PASS
11N20	Ant1	5240	18.915	17.525	PASS
11N20	Ant1	5260	18.895	17.555	PASS
11N20	Ant1	5280	18.965	17.550	PASS
11N20	Ant1	5320	18.900	17.545	PASS
11N20	Ant1	5500	18.990	17.530	PASS
11N20	Ant1	5580	18.995	17.515	PASS
11N20	Ant1	5700	18.930	17.515	PASS
11N20	Ant1	5745	16.015	17.495	PASS
11N20	Ant1	5785	16.860	17.535	PASS
11N20	Ant1	5825	16.995	17.520	PASS

Test Graph



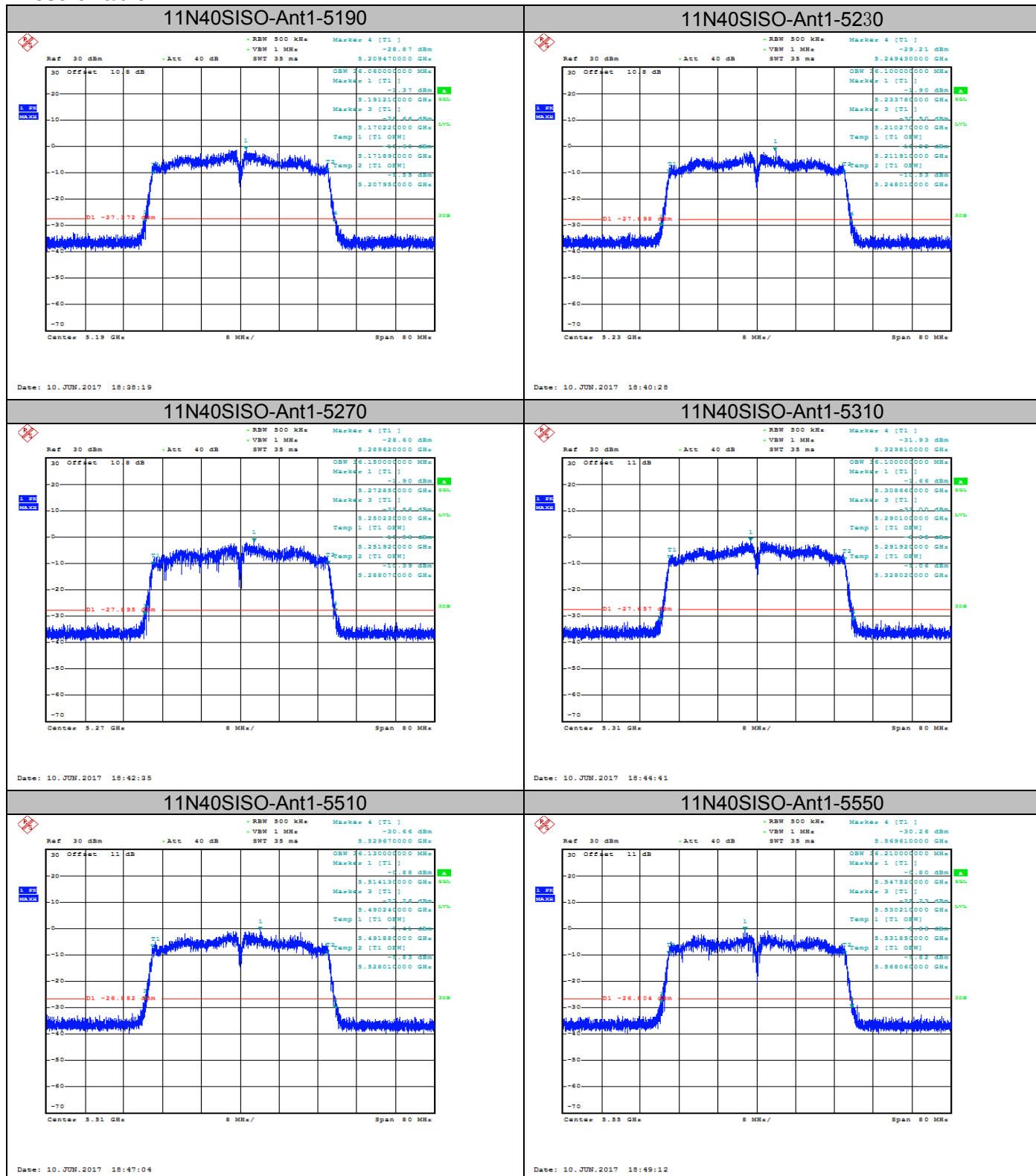


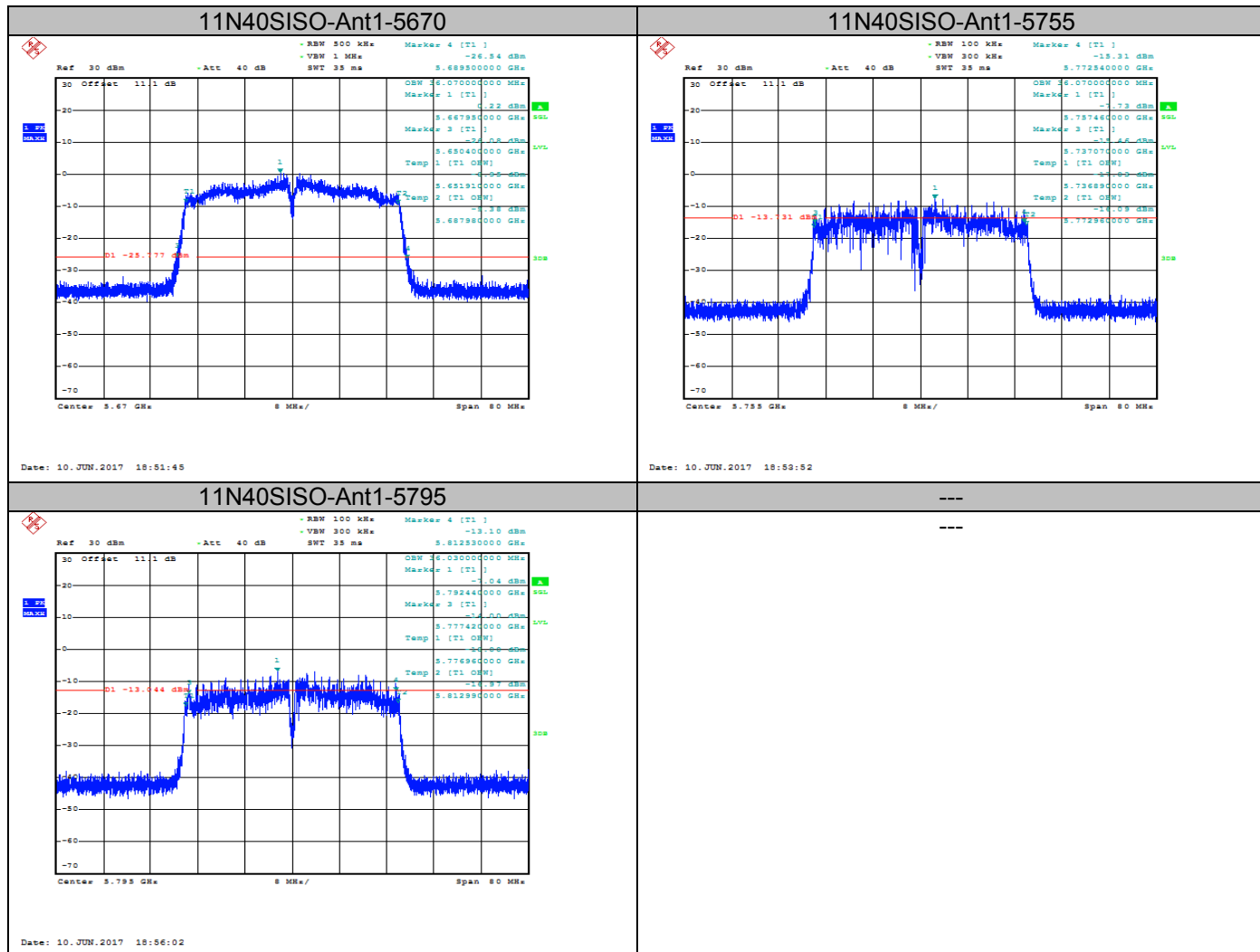
6.2.3. 802.11n HT40 MODE

Result Table

Test Mode	Antenna	Channel	EBW[MHz]	OBW[MHz]	Verdict
11N40	Ant1	5190	39.250	36.060	PASS
11N40	Ant1	5230	39.160	36.100	PASS
11N40	Ant1	5270	39.390	36.150	PASS
11N40	Ant1	5310	39.710	36.100	PASS
11N40	Ant1	5510	39.430	36.130	PASS
11N40	Ant1	5550	39.400	36.210	PASS
11N40	Ant1	5670	39.100	36.070	PASS
11N40	Ant1	5755	35.470	36.070	PASS
11N40	Ant1	5795	35.110	36.030	PASS

Result Table





6.3. MAXIMUM CONDUCTED OUTPUT POWER

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC: Fixed:1 Watt (30dBm) Mobile and portable: 250mW (24dBm)	5150-5250
	For RSS:e.i.r.p. power: not exceed 200 mW(23dBm) or $10 + 10 \log_{10} B$	
	250mW (24dBm)	5250-5350
	250mW (24dBm)	5470-5725
	1 Watt (30dBm)	5725-5850
Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)		

TEST PROCEDURE

Refer to KDB 789033 D02 v01r01 clause E 3

Connect the EUT to the a broadband peak RF power meter, the power meter shall have a video bandwidth that is greater than or equal to the bandwidth and shall utilize a fast-responding diode detector.

TEST SETUP



RESULTS

6.3.1. 802.11a MODE

6.3.1.1. UNII-1 BAND

Test Channel	Frequency	Maximum Conducted Output Power	EIRP	LIMIT
	(MHz)	(dBm)	(dBm)	dBm
Low	5180	12.46	13.57	PASS
Middle	5200	12.36	13.47	PASS
High	5240	11.33	12.44	PASS

6.3.1.2. UNII-2A BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5260	11.72	PASS
Middle	5280	11.80	PASS
High	5320	11.59	PASS

6.3.1.3. UNII-2C BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5500	11.32	PASS
Middle	5580	12.19	PASS
High	5700	11.00	PASS

6.3.1.4. UNII-3 BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5745	12.17	PASS
Middle	5785	11.51	PASS
High	5825	11.07	PASS

NOTE: 1.EIRP= Maximum Conducted Output Power + ANT GAIN
2. Maximum Conducted Output Power= Conducted Output Power+ Correction Factor
3. About correction Factor please refer to section 6.1

6.3.2. 802.11n HT 20 MODE

6.3.2.1. UNII-1 BAND

Test Channel	Frequency	Maximum Conducted Output Power	EIRP	LIMIT
	(MHz)	(dBm)	(dBm)	dBm
Low	5180	14.48	15.59	PASS
Middle	5200	14.55	15.66	PASS
High	5240	13.54	14.65	PASS

6.3.2.2. UNII-2A BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5260	13.61	PASS
Middle	5280	14.00	PASS
High	5320	13.82	PASS

6.3.2.3. UNII-2C BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5500	13.51	PASS
Middle	5580	14.34	PASS
High	5700	13.17	PASS

6.3.2.4. UNII-3 BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5745	13.51	PASS
Middle	5785	14.34	PASS
High	5825	13.17	PASS

NOTE: 1.EIRP= Maximum Conducted Output Power + ANT GAIN

2. Maximum Conducted Output Power= Conducted Output Power+ Correction Factor

3. About correction Factor please refer to section 6.1

6.3.3. 802.11n HT 40 MODE

6.3.3.1. UNII-1 BAND

Test Channel	Frequency	Maximum Conducted Output Power	EIRP	LIMIT
	(MHz)	(dBm)	(dBm)	dBm
Low	5190	10.17	11.28	PASS
High	5230	9.08	10.19	PASS

6.3.3.2. UNII-2A BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5270	9.5	PASS
High	5310	9.89	PASS

6.3.3.3. UNII-2C BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5510	10.39	PASS
Middle	5550	10.25	PASS
High	5670	10.95	PASS

6.3.3.4. UNII-3 BAND

Test Channel	Frequency	Maximum Conducted Output Power	LIMIT
	(MHz)	(dBm)	dBm
Low	5755	9.45	PASS
High	5795	9.73	PASS

NOTE: 1.EIRP= Maximum Conducted Output Power + ANT GAIN
2. Maximum Conducted Output Power= Conducted Output Power+ Correction Factor
3. About correction Factor please refer to section 6.1

6.4. POWER SPECTRAL DENSITY

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other then Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz	5150-5250
	For RSS:10dBm/MHz	
	11dBm/MHz	5250-5350
	11dBm/MHz	5470-5725
	30dBm/500kHz	5725-5850

TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

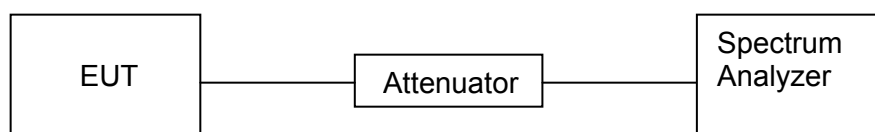
Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
2. The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

TEST SETUP



RESULTS

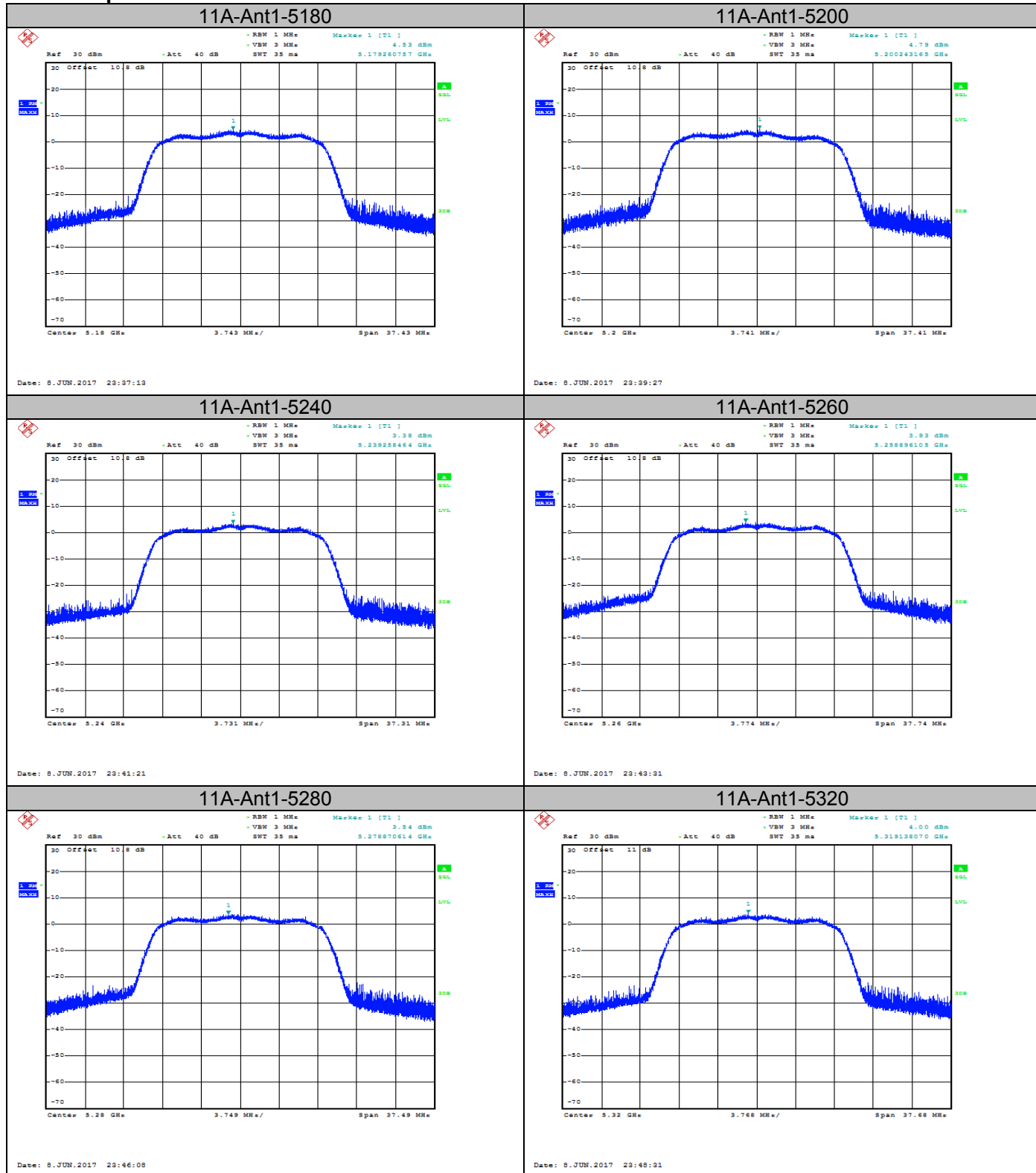
6.4.1. 802.11a MODE

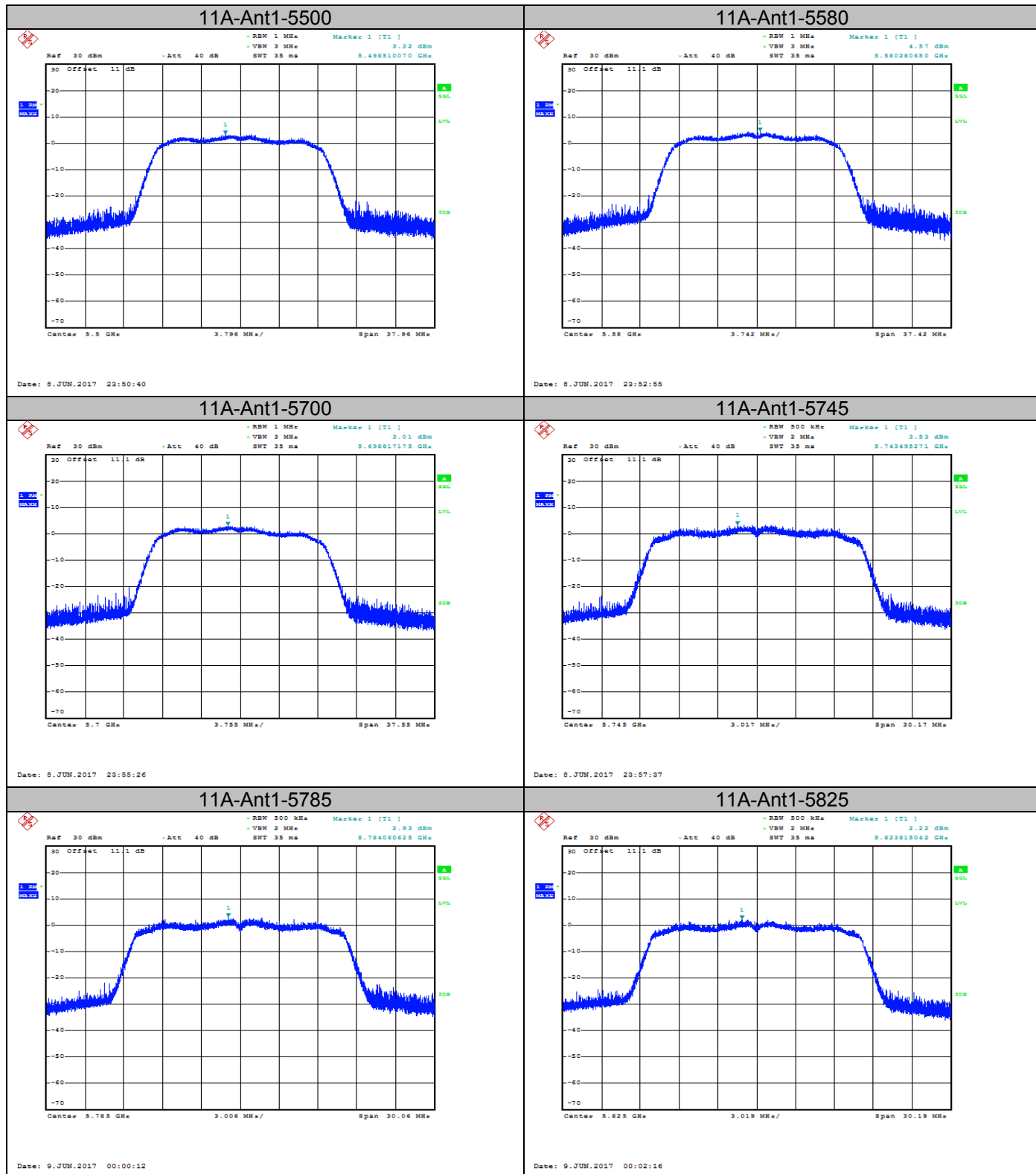
Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11A	Ant1	5180	4.53	4.78	PASS
11A	Ant1	5200	4.79	5.04	PASS
11A	Ant1	5240	3.38	3.63	PASS
11A	Ant1	5260	3.93	4.18	PASS
11A	Ant1	5280	3.54	3.79	PASS
11A	Ant1	5320	4.00	4.25	PASS
11A	Ant1	5500	3.32	3.57	PASS
11A	Ant1	5580	4.57	4.82	PASS
11A	Ant1	5700	3.01	3.26	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11A	Ant1	5745	3.53	4.1	PASS
11A	Ant1	5785	2.93	3.5	PASS
11A	Ant1	5825	2.22	2.79	PASS

Note:1.PSD=Meas.Level+ Correction Factor
2.About correction Factor please refer to section 6.1

Test Graph





6.4.2. 802.11n HT 20 MODE

Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11N20SISO	Ant1	5180	5.08	6.98	PASS
11N20SISO	Ant1	5200	4.93	6.83	PASS
11N20SISO	Ant1	5240	4.31	6.21	PASS
11N20SISO	Ant1	5260	4.03	5.93	PASS
11N20SISO	Ant1	5280	4.55	6.45	PASS
11N20SISO	Ant1	5320	4.76	6.66	PASS
11N20SISO	Ant1	5500	4.16	6.06	PASS
11N20SISO	Ant1	5580	4.98	6.88	PASS
11N20SISO	Ant1	5700	3.85	5.75	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11N20SISO	Ant1	5745	4.20	6.10	PASS
11N20SISO	Ant1	5785	3.08	4.98	PASS
11N20SISO	Ant1	5825	3.14	5.04	PASS

Note:1.PSD=Meas.Level+ Correction Factor
2.About correction Factor please refer to section 6.1

11N20SISO-Ant1-5180

Ref: 30 dBm, Att: 40 dB, SWT: 35 ms, RBW: 1 MHz, VSW: 3 MHz, Marker 1 (T1): 5.08 dBm, 5.181173660 GHz

Center: 5.18 GHz, Span: 37.66 MHz

Date: 9 JUN 2017 00:40:00

11N20SISO-Ant1-5200

Ref: 30 dBm, Att: 40 dB, SWT: 35 ms, RBW: 1 MHz, VSW: 3 MHz, Marker 1 (T1): 4.93 dBm, 5.198843600 GHz

Center: 5.2 GHz, Span: 37.76 MHz

Date: 9 JUN 2017 00:42:29

11N20SISO-Ant1-5240

Ref: 30 dBm, Att: 40 dB, SWT: 35 ms, RBW: 1 MHz, VSW: 3 MHz, Marker 1 (T1): 4.31 dBm, 5.241309864 GHz

Center: 5.24 GHz, Span: 37.83 MHz

Date: 9 JUN 2017 00:44:46

11N20SISO-Ant1-5260

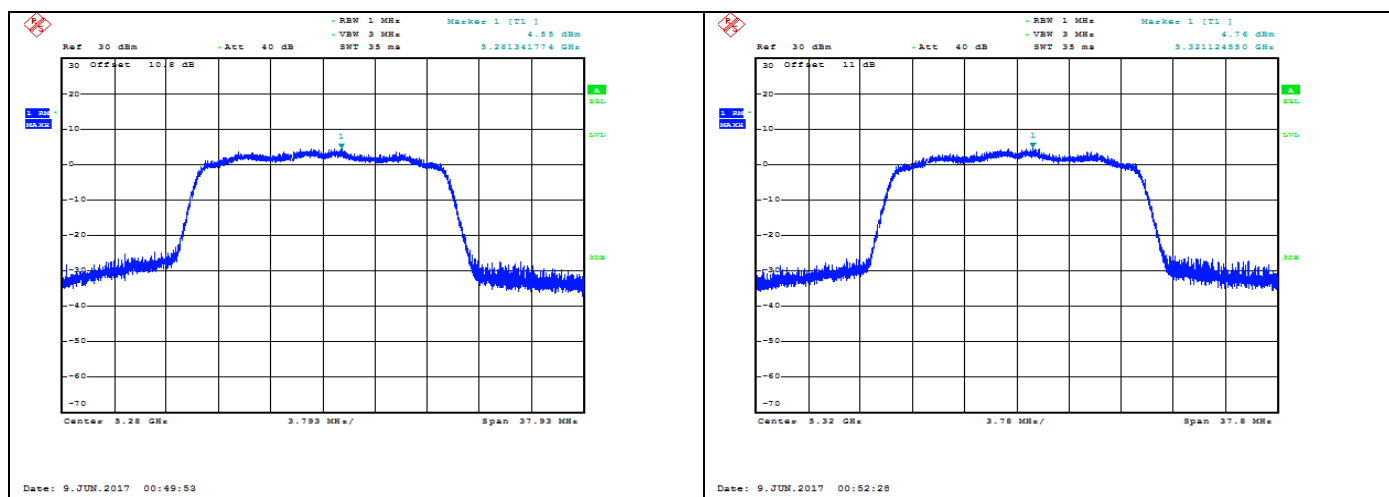
Ref: 30 dBm, Att: 40 dB, SWT: 35 ms, RBW: 1 MHz, VSW: 3 MHz, Marker 1 (T1): 4.03 dBm, 5.258630112 GHz

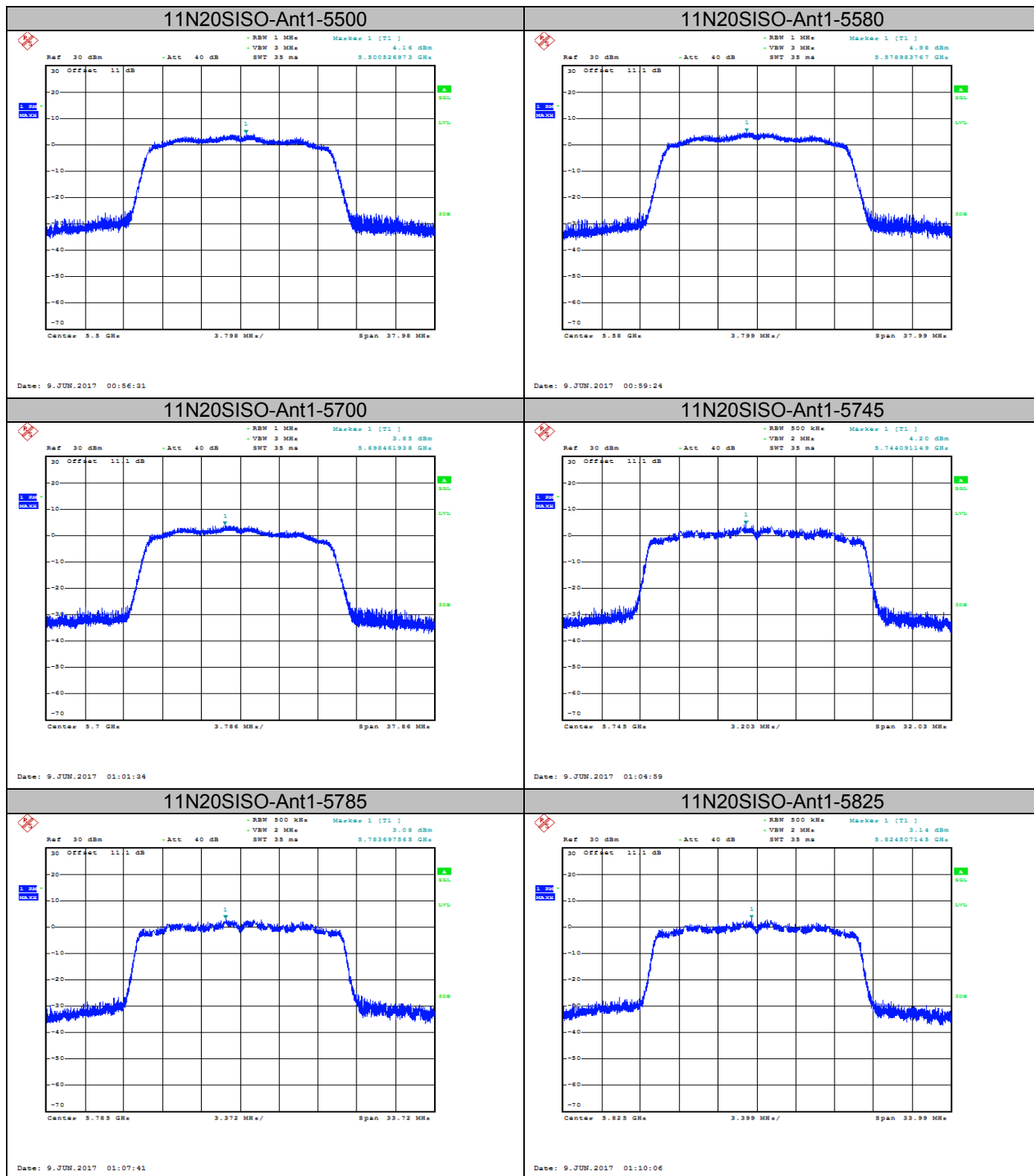
Center: 5.26 GHz, Span: 37.79 MHz

Date: 10 JUN 2017 19:00:19

11N20SISO-Ant1-5280

11N20SISO-Ant1-5320





6.4.3. 802.11n HT40 MODE

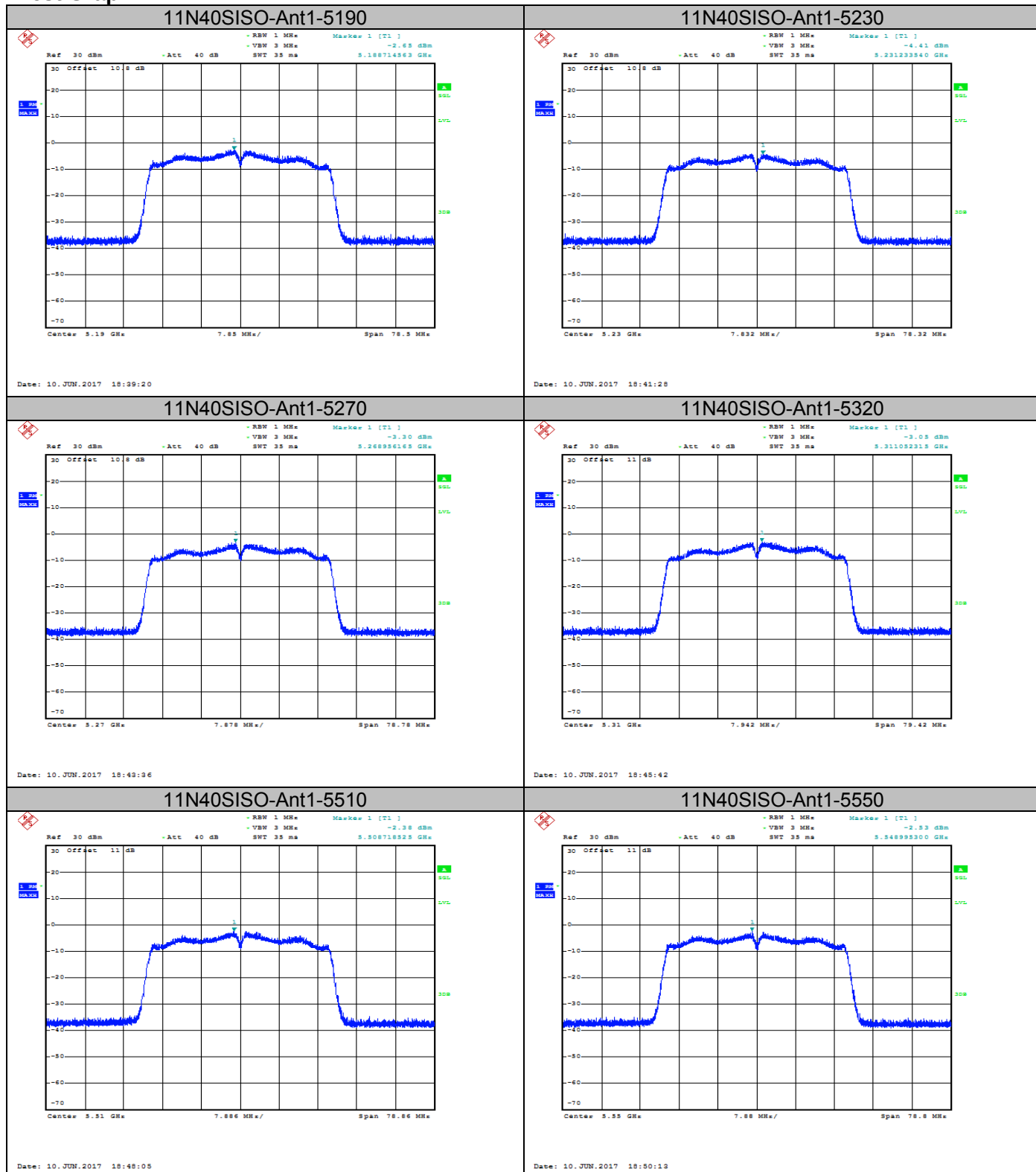
Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11N40SISO	Ant1	5190	-2.65	0.05	PASS
11N40SISO	Ant1	5230	-4.41	-1.71	PASS
11N40SISO	Ant1	5270	-3.30	-0.60	PASS
11N40SISO	Ant1	5310	-3.05	-0.35	PASS
11N40SISO	Ant1	5510	-2.38	0.32	PASS
11N40SISO	Ant1	5550	-2.53	0.17	PASS
11N40SISO	Ant1	5670	-1.69	1.01	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11N40SISO	Ant1	5755	-4.72	-2.02	PASS
11N40SISO	Ant1	5795	-4.74	-2.04	PASS

Note:1.PSD=Meas.Level+ Correction Factor

2.About correction Factor please refer to section 6.1

Test Graph





6.5. CONDUCTED SPURIOUS EMISSIONS/UNDESIRABLE EMISSION

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250
	-27dBm/MHz	5250-5350
	-27dBm/MHz	5470-5725
	Below -17dBm/MHz within 10MHz of band edge, below -27dBm/MHz beyond 10MHz of the band edge	5725-5850

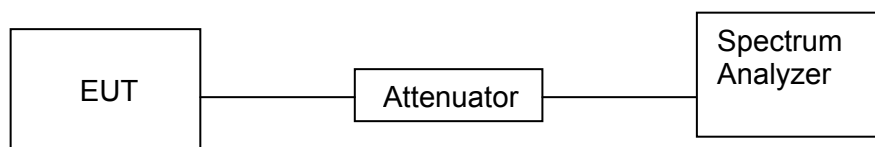
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Detector	Peak
RBW	1000K
VBW	$\geq 3 \times \text{RBW}$
Trace	Max hold
Sweep time	Auto

Use the peak marker function to determine the maximum amplitude level.

TEST SETUP



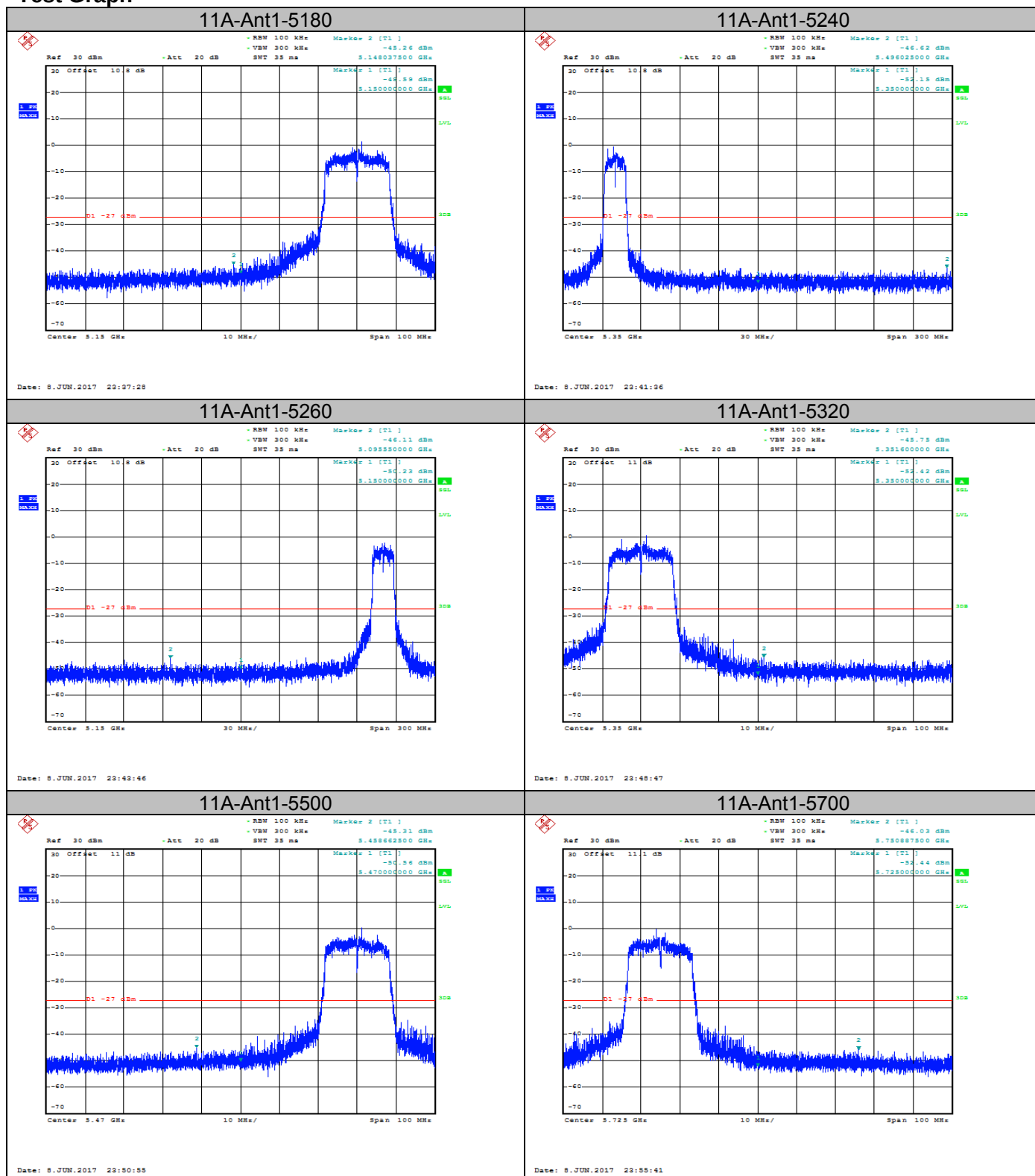
RESULTS

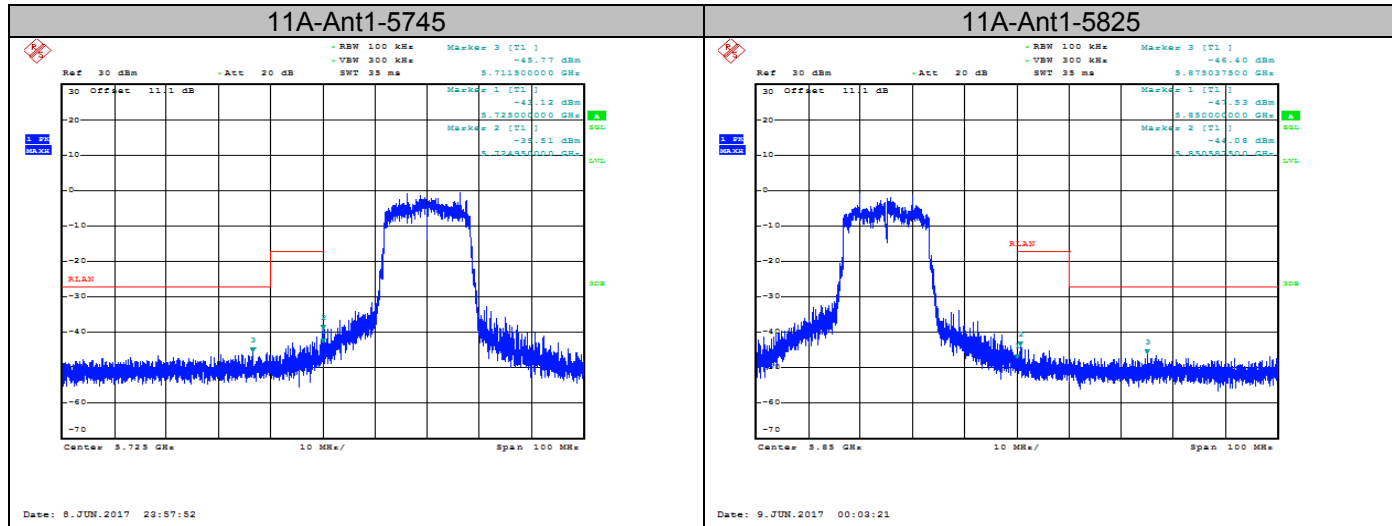
6.5.1. 802.11a MODE

Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11A	Ant1	5180	-45.26		PASS
11A	Ant1	5240	-46.62		PASS
11A	Ant1	5260	-46.11		PASS
11A	Ant1	5320	-45.75		PASS
11A	Ant1	5500	-45.31		PASS
11A	Ant1	5700	-46.03		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11A	Ant1	5745	-39.51	-45.77	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11A	Ant1	5825	-39.51	-46.40	PASS

Test Graph



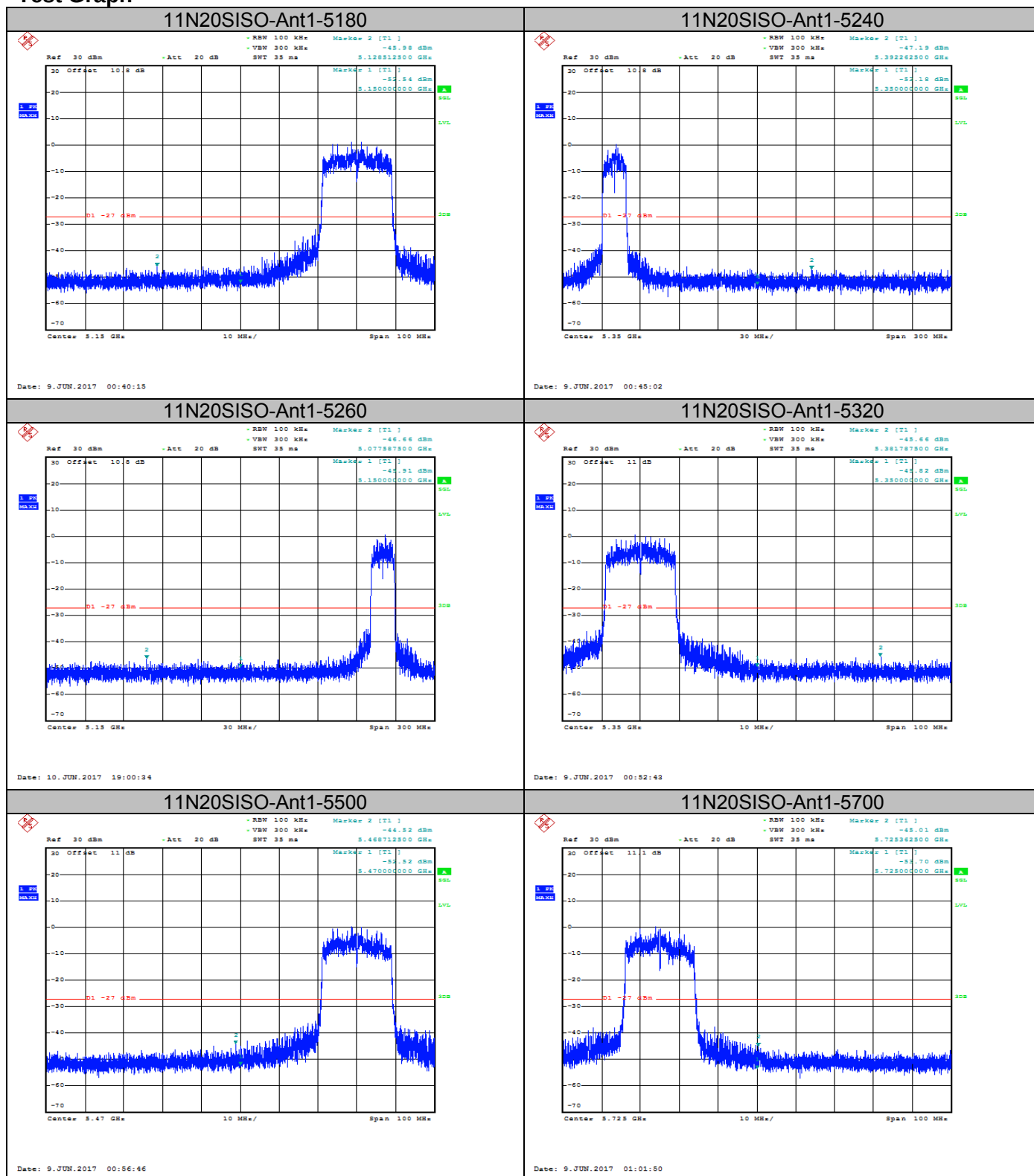


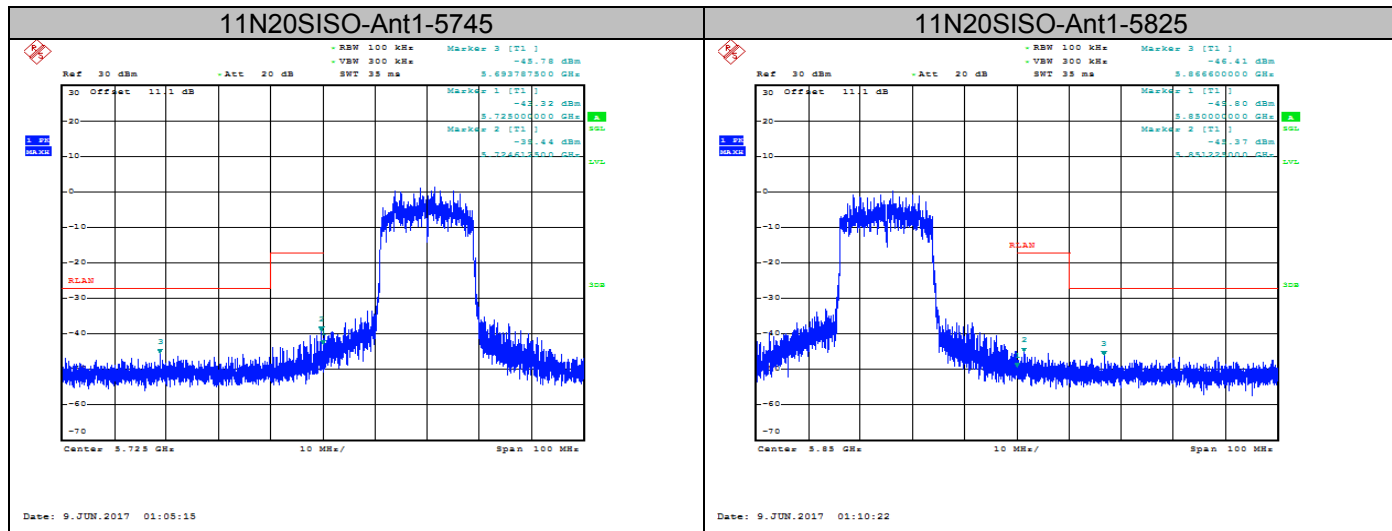
6.5.2. 802.11n HT 20 MODE

Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N20SISO	Ant1	5180	-45.98		PASS
11N20SISO	Ant1	5240	-47.19		PASS
11N20SISO	Ant1	5260	-46.66		PASS
11N20SISO	Ant1	5320	-45.66		PASS
11N20SISO	Ant1	5500	-44.52		PASS
11N20SISO	Ant1	5700	-45.01		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N20SISO	Ant1	5745	-39.44	-45.78	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N20SISO	Ant1	5825	-39.44	-46.41	PASS

Test Graph





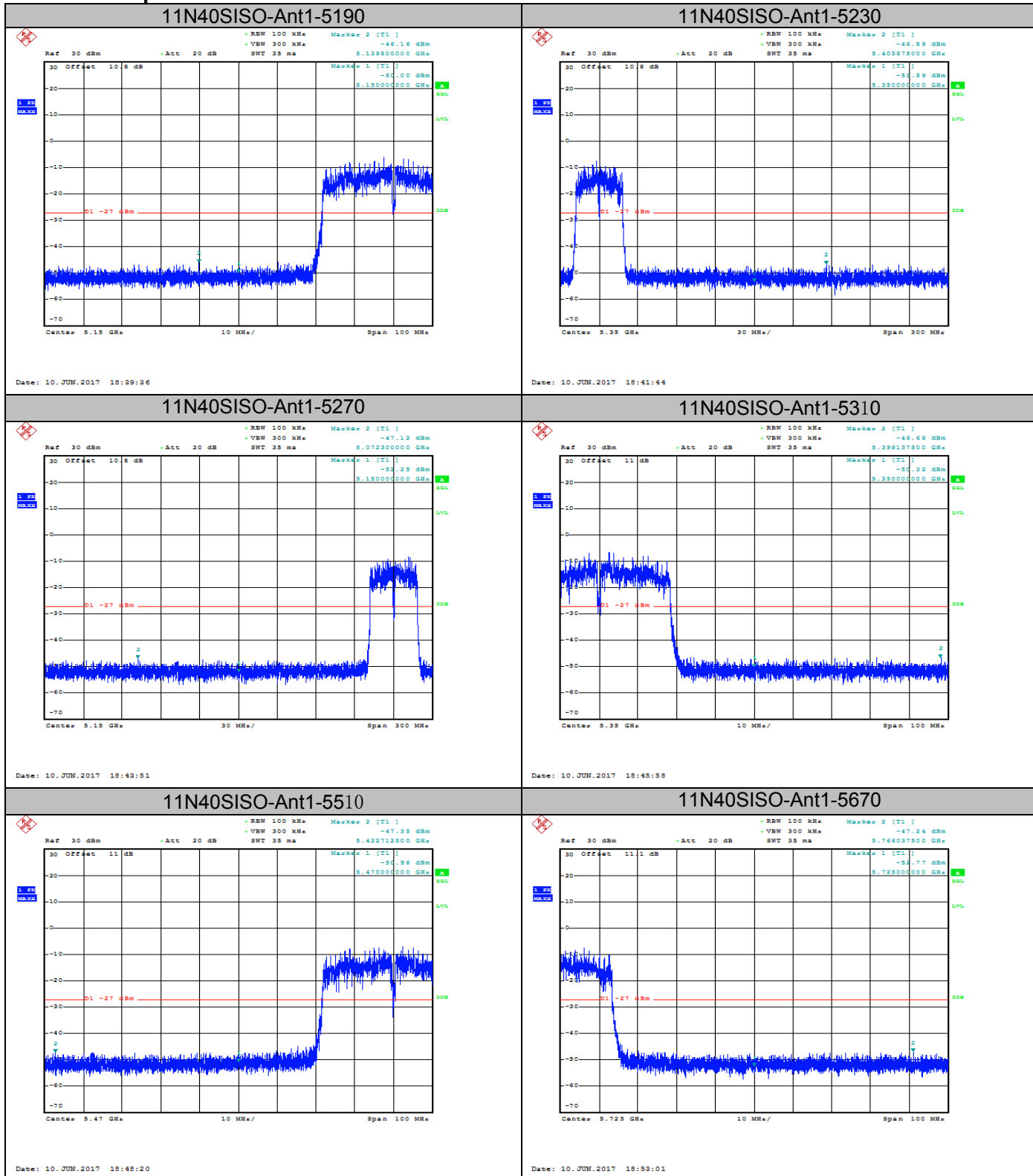
6.5.3. 802.11n HT40 MODE

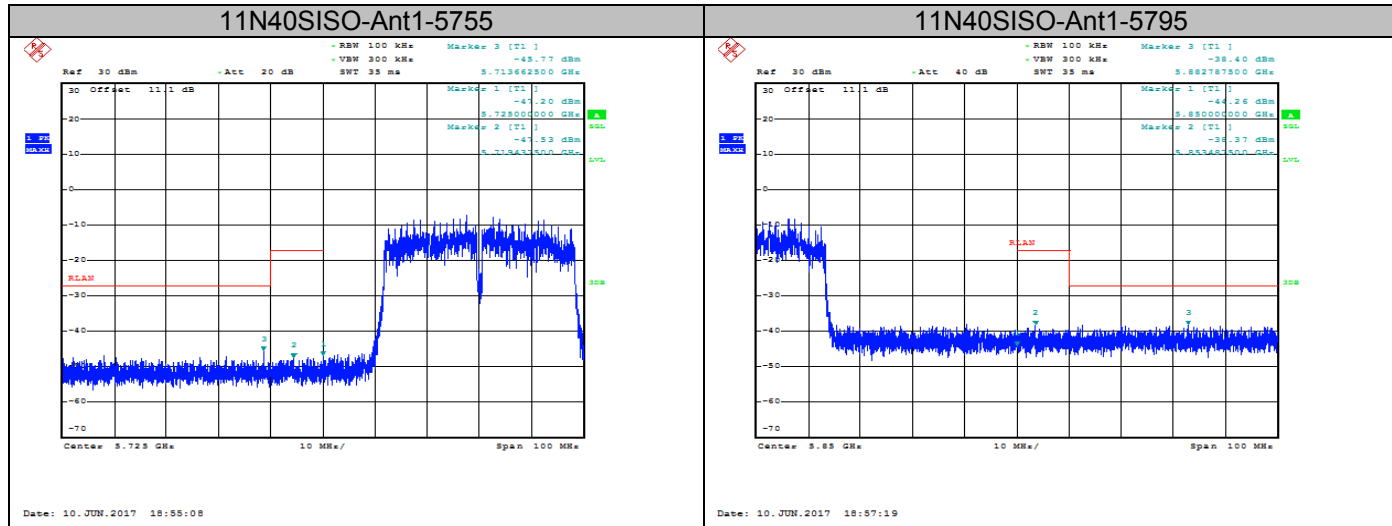
Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]	Verdict
11N40SISO	Ant1	5190	-46.16	PASS
11N40SISO	Ant1	5230	-46.89	PASS
11N40SISO	Ant1	5270	-47.12	PASS
11N40SISO	Ant1	5310	-46.68	PASS
11N40SISO	Ant1	5510	-47.35	PASS
11N40SISO	Ant1	5670	-47.24	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N40SISO	Ant1	5755	-47.53	-45.77	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N40SISO	Ant1	5795	-47.20	-38.40	PASS

Test Graph



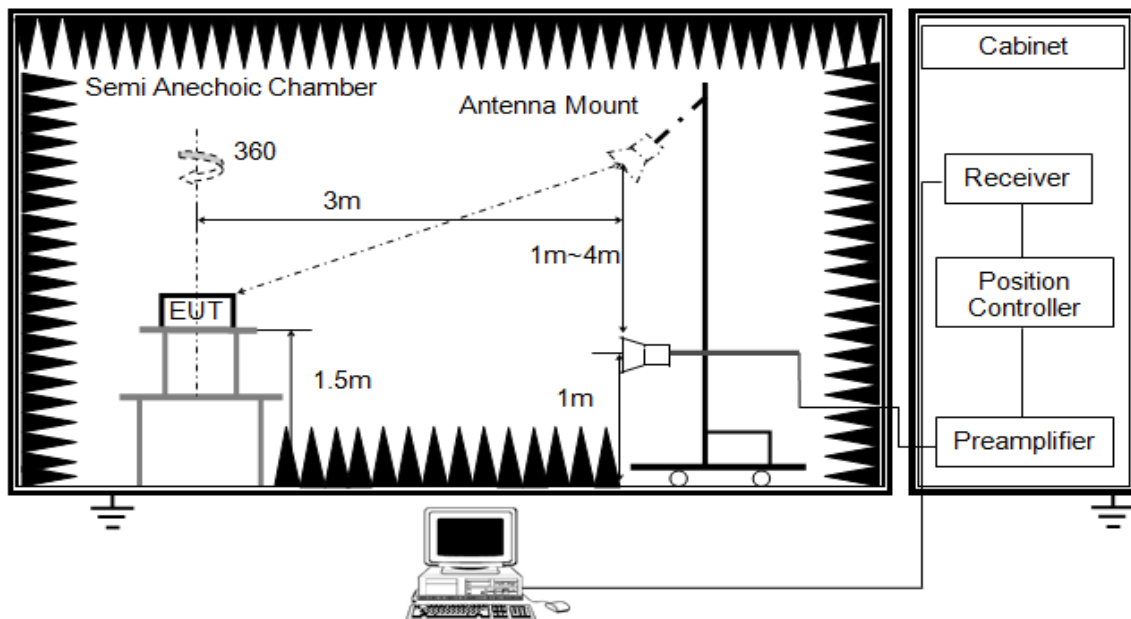


6.6. RADIATED SPURIOUS EMISSIONS/UNDESIRABLE EMISSION

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250
	-27dBm/MHz	5250-5350
	-27dBm/MHz	5470-5725
	Below -17dBm/MHz within 10MHz of band edge, below -27dBm/MHz beyond 10MHz of the band edge	5725-5850

TEST PROCEDURE



1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

Detector	Peak
RBW	1000K
VBW	$\geq 3 \times \text{RBW}$
Trace	Max hold
Sweep time	Auto

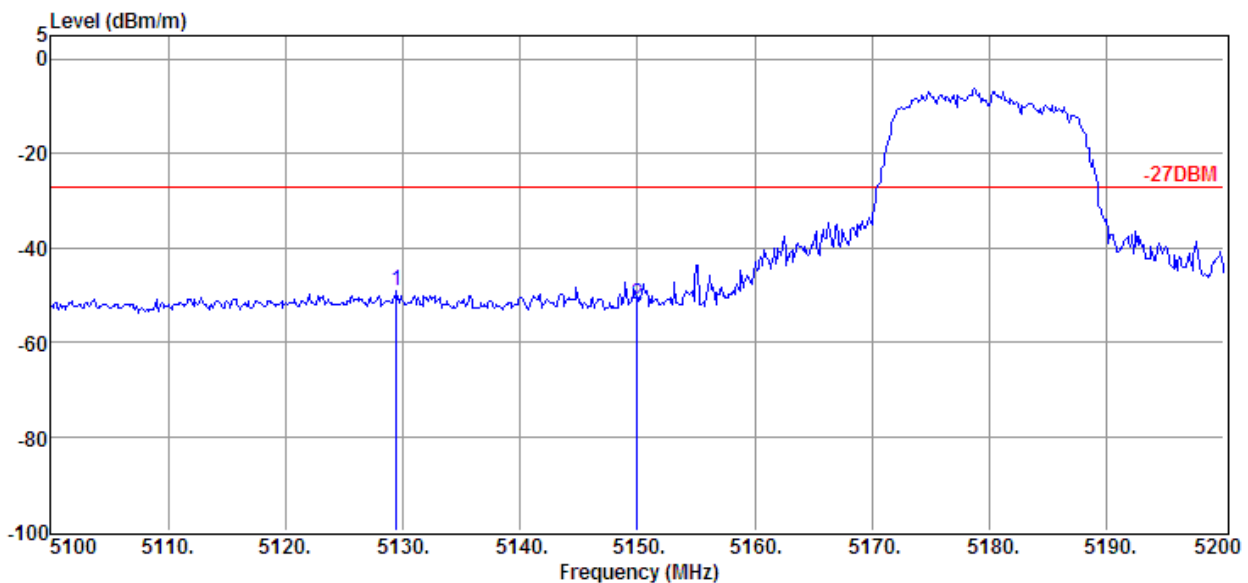
RESULTS

6.6.1. 802.11a MODE

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11a 5180MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 1



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5129.50	-71.34	33.97	29.34	8.80	8.71	-49.20	-27.00	-22.20	EIRP
2	5150.00	-74.16	34.01	29.33	8.84	8.56	-52.08	-27.00	-25.08	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

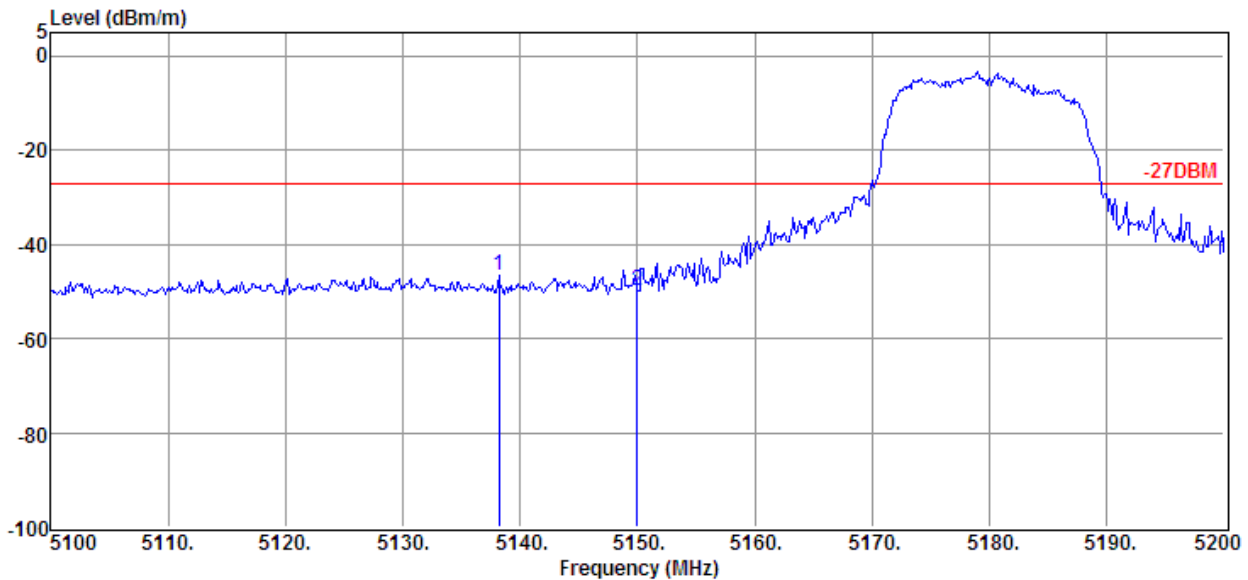
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5180MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 2



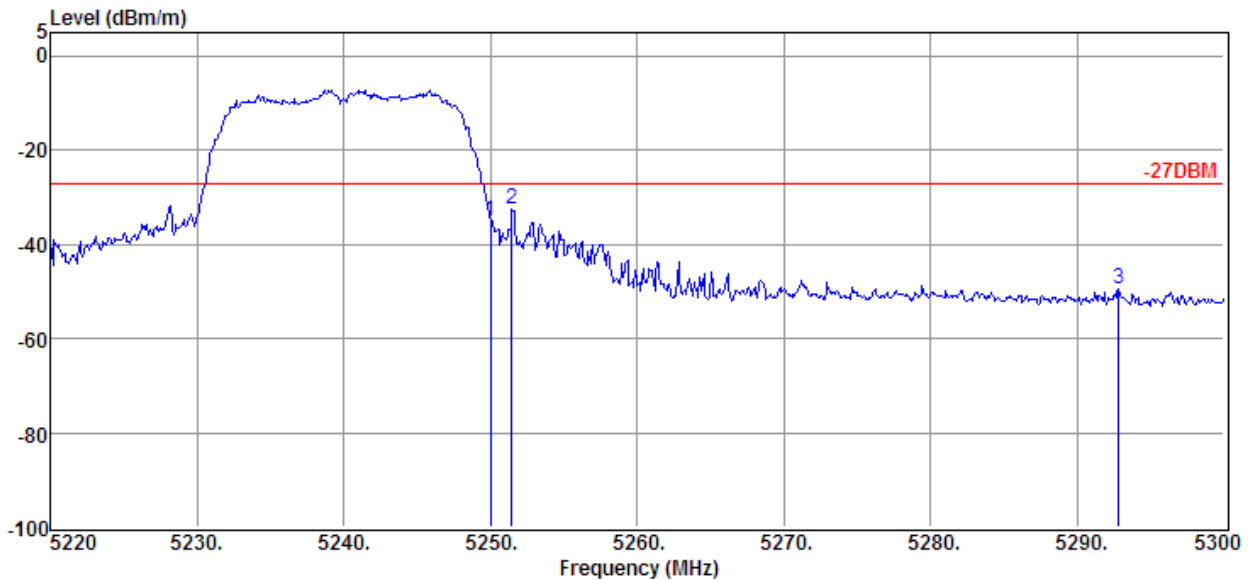
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5138.20	-68.33	33.99	29.34	8.84	8.22	-46.62	-27.00	-19.62	EIRP
2	5150.00	-71.37	34.01	29.33	8.84	8.13	-49.72	-27.00	-22.72	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11a 5240MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 3



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-56.97	34.21	29.32	8.93	7.97	-35.18	-27.00	-8.18	EIRP
2	5251.44	-54.18	34.21	29.32	8.93	7.97	-32.39	-27.00	-5.39	EIRP
3	5292.80	-71.20	34.30	29.31	8.98	7.83	-49.40	-27.00	-22.40	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

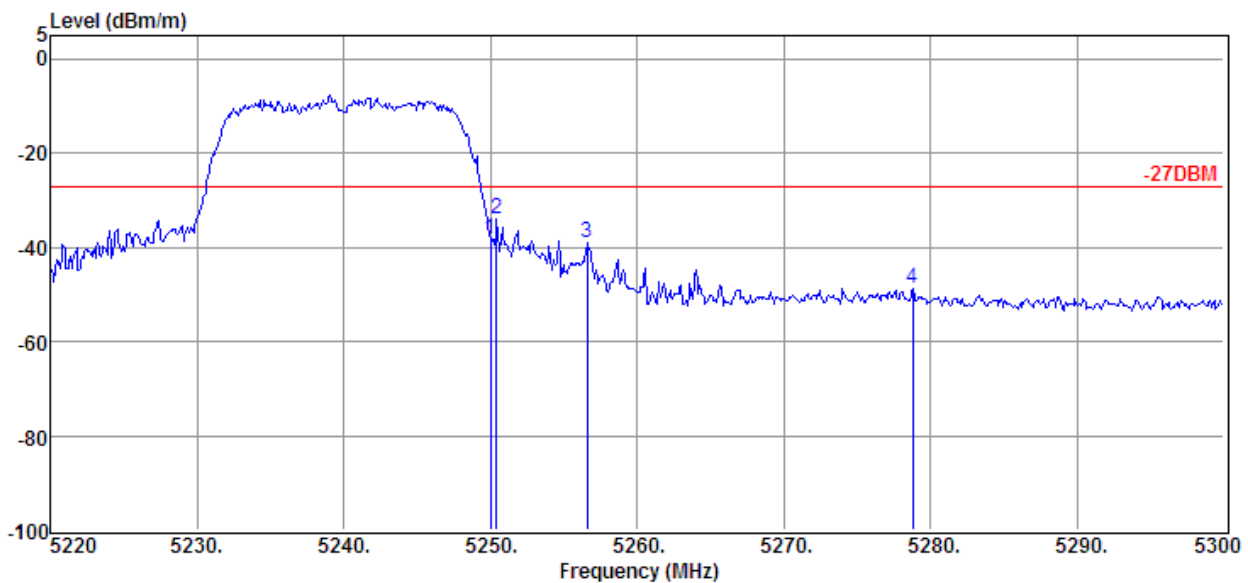
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V Test Mode : Tx mode 11a 5240MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 4



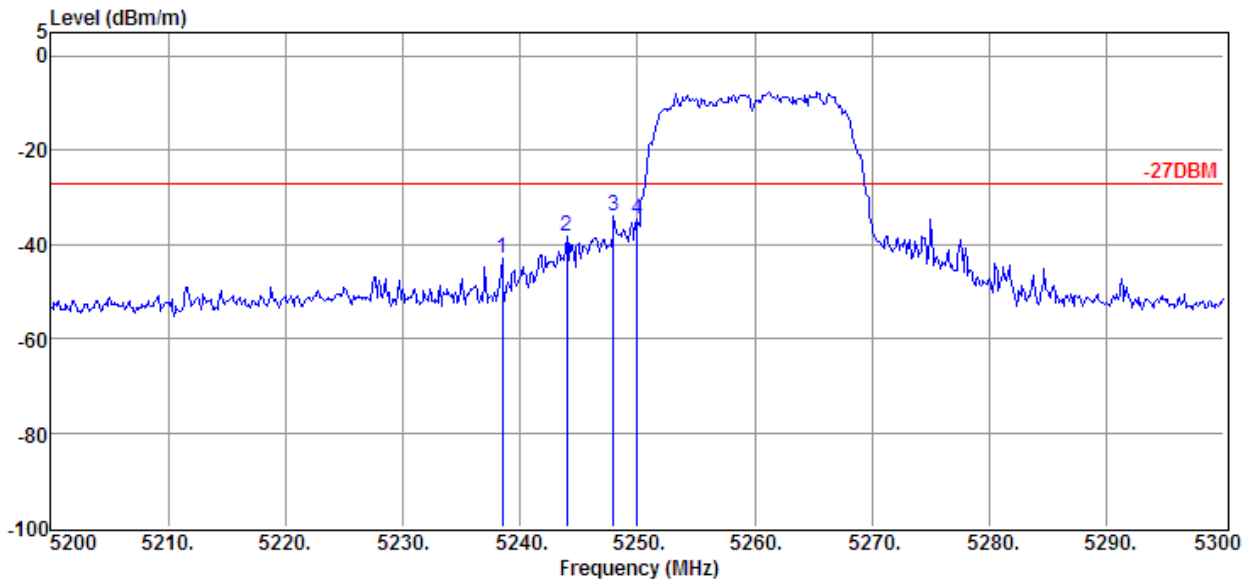
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-59.98	34.21	29.32	8.93	7.97	-38.19	-27.00	-11.19	EIRP
2	5250.40	-55.86	34.21	29.32	8.93	7.97	-34.07	-27.00	-7.07	EIRP
3	5256.56	-60.85	34.23	29.32	8.93	7.97	-39.04	-27.00	-12.04	EIRP
4	5278.80	-70.70	34.27	29.31	8.96	7.88	-48.90	-27.00	-21.90	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5260MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 5



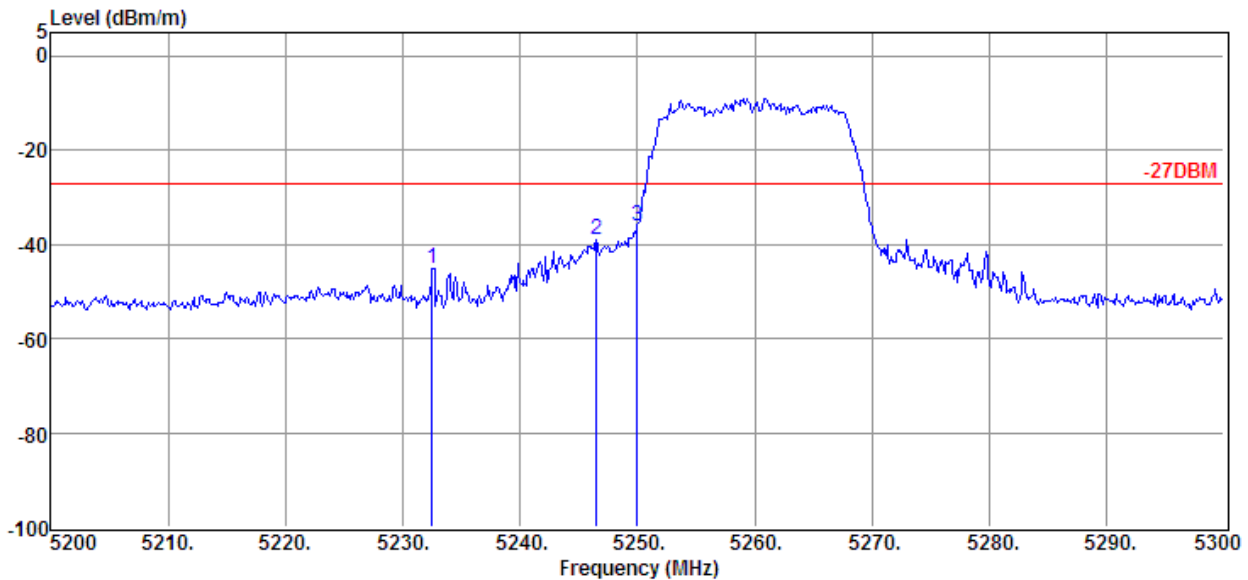
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5238.50	-64.98	34.19	29.32	8.93	8.02	-43.16	-27.00	-16.16	EIRP
2	5244.00	-60.16	34.20	29.32	8.93	7.97	-38.38	-27.00	-11.38	EIRP
3	5248.00	-55.87	34.21	29.32	8.93	7.97	-34.08	-27.00	-7.08	EIRP
4	5250.00	-56.36	34.21	29.32	8.93	7.97	-34.57	-27.00	-7.57	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5260MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 6



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5232.50	-66.77	34.18	29.32	8.91	8.02	-44.98	-27.00	-17.98	EIRP
2	5246.50	-60.66	34.20	29.32	8.93	7.97	-38.88	-27.00	-11.88	EIRP
3	5250.00	-57.82	34.21	29.32	8.93	7.97	-36.03	-27.00	-9.03	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

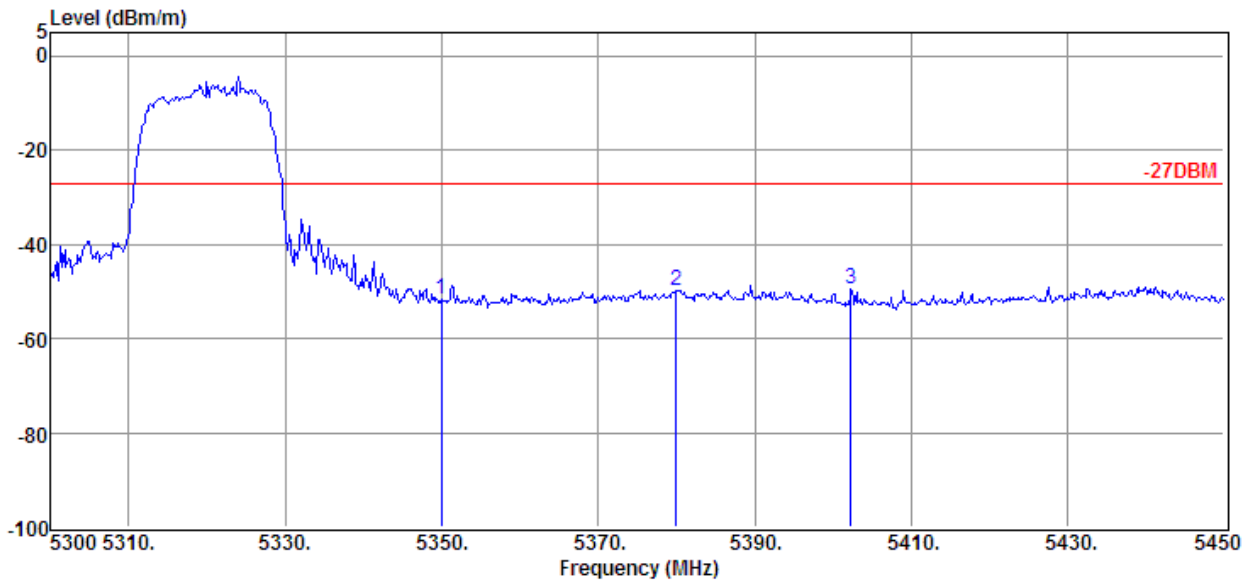
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Memo :
Test Mode : Tx mode 11a 5320MHz
Antenna/Distance : 2016 HF907/3m/HORIZONTAL

Data: 7



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cabl e Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-73.33	34.41	29.30	9.03	7.45	-51.74	-27.00	-24.74	EIRP
2	5379.95	-71.12	34.47	29.30	9.05	7.20	-49.70	-27.00	-22.70	EIRP
3	5402.30	-70.94	34.51	29.29	9.09	7.07	-49.56	-27.00	-22.56	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

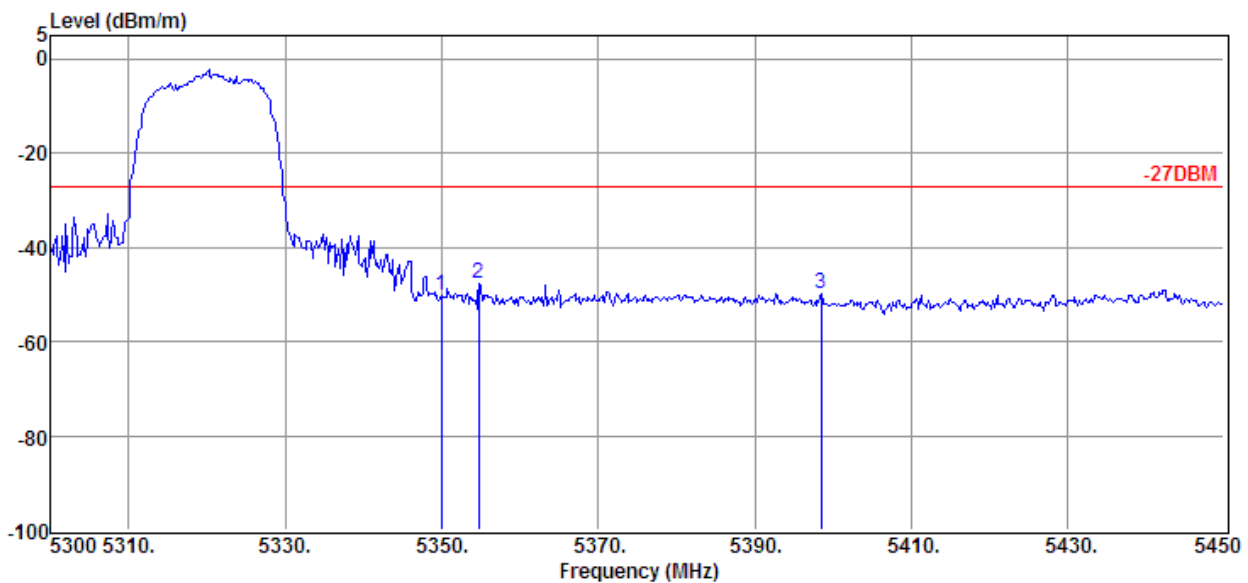
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5320MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 8



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-71.94	34.41	29.30	9.03	7.45	-50.35	-27.00	-23.35	EIRP
2	5354.75	-69.17	34.42	29.30	9.03	7.45	-47.57	-27.00	-20.57	EIRP
3	5398.55	-71.06	34.50	29.29	9.09	7.07	-49.69	-27.00	-22.69	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

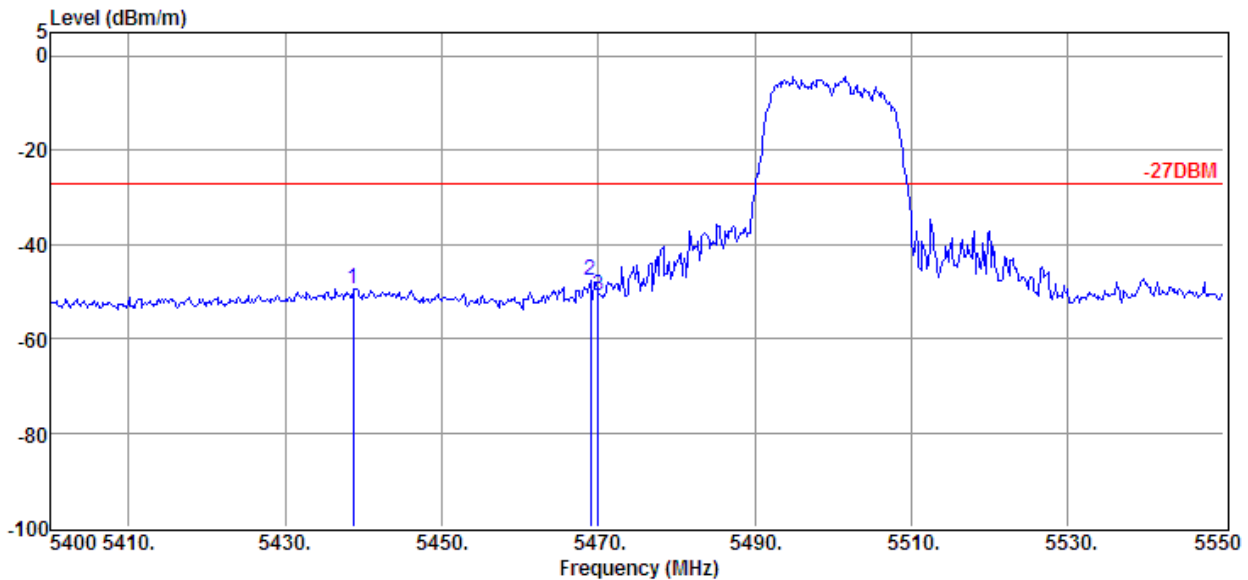
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5500MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 9



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5438.70	-70.88	34.58	29.28	9.14	7.08	-49.36	-27.00	-22.36	EIRP
2	5469.00	-69.33	34.64	29.27	9.16	7.10	-47.70	-27.00	-20.70	EIRP
3	5470.00	-72.69	34.64	29.27	9.16	7.10	-51.06	-27.00	-24.06	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

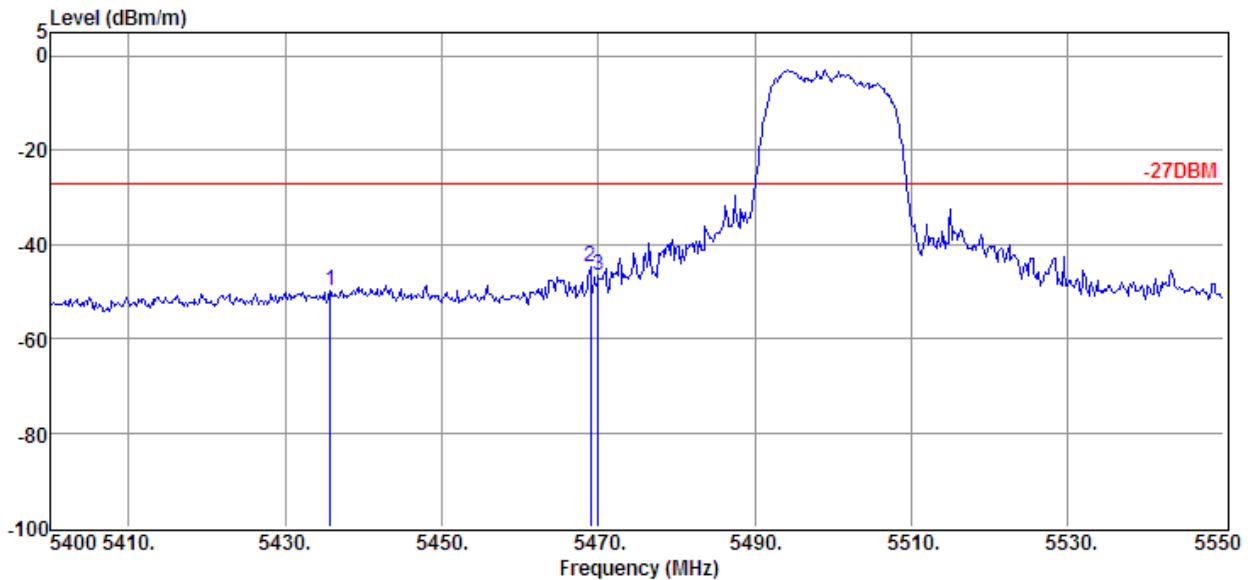
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5500MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 10



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5435.70	-71.37	34.58	29.28	9.11	7.08	-49.88	-27.00	-22.88	EIRP
2	5469.00	-66.26	34.64	29.27	9.16	7.10	-44.63	-27.00	-17.63	EIRP
3	5470.00	-68.18	34.64	29.27	9.16	7.10	-46.55	-27.00	-19.55	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

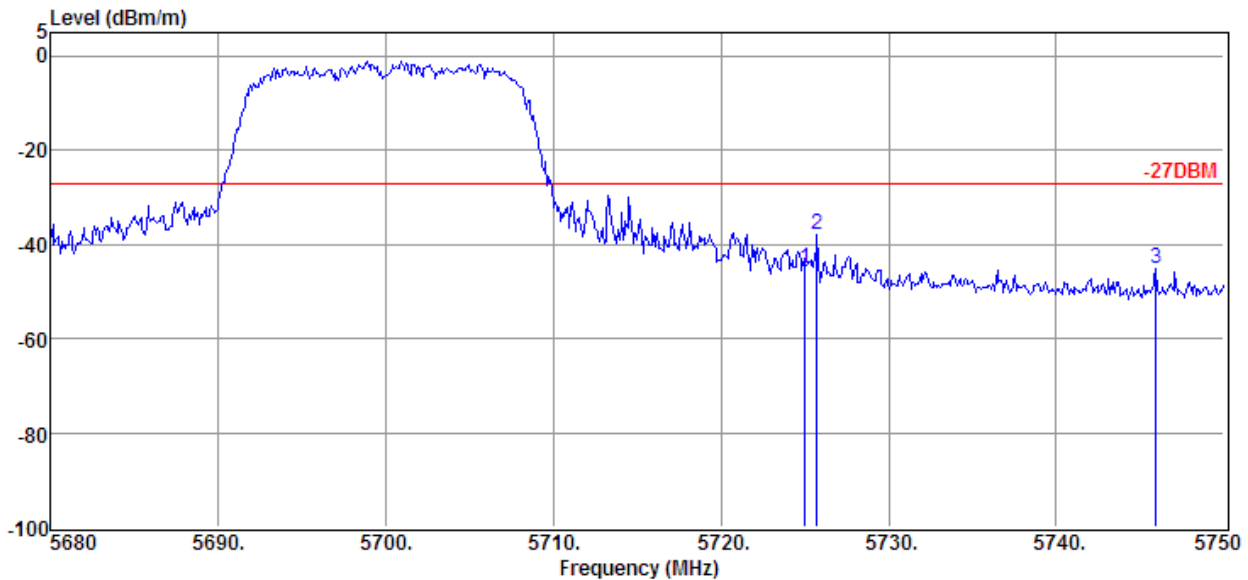
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5700MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 11



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
1	5725.00	-67.61	34.84	29.22	9.41	7.44	-45.14	-27.00	-18.14	EIRP
2	5725.71	-60.37	34.84	29.22	9.41	7.44	-37.90	-27.00	-10.90	EIRP
3	5745.94	-67.80	34.85	29.21	9.43	7.51	-45.22	-27.00	-18.22	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

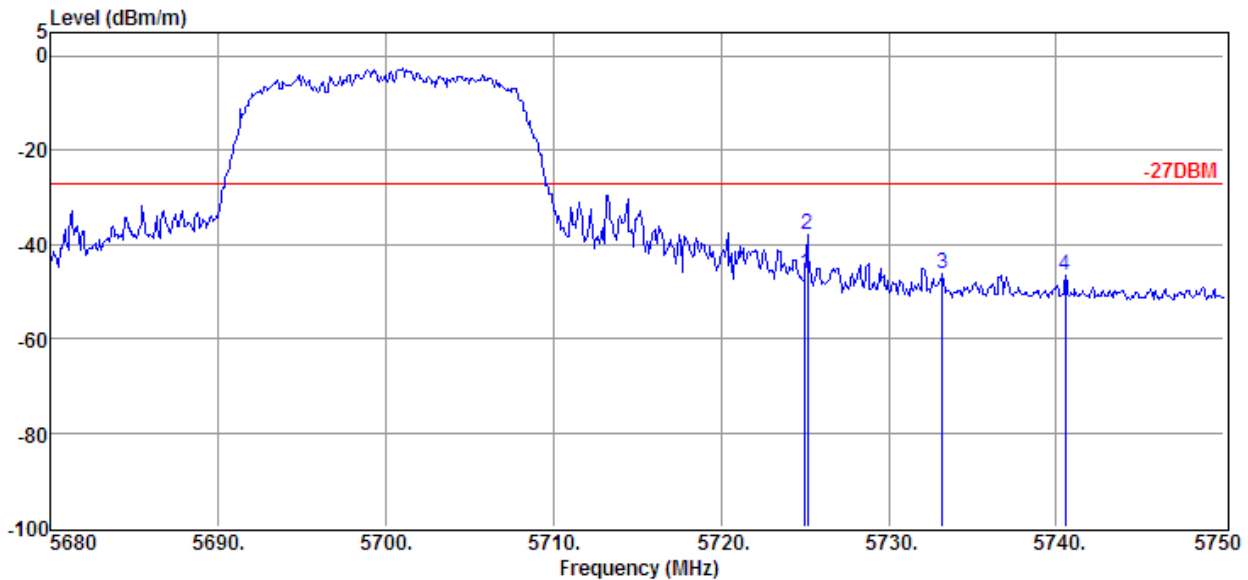
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5700MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 12



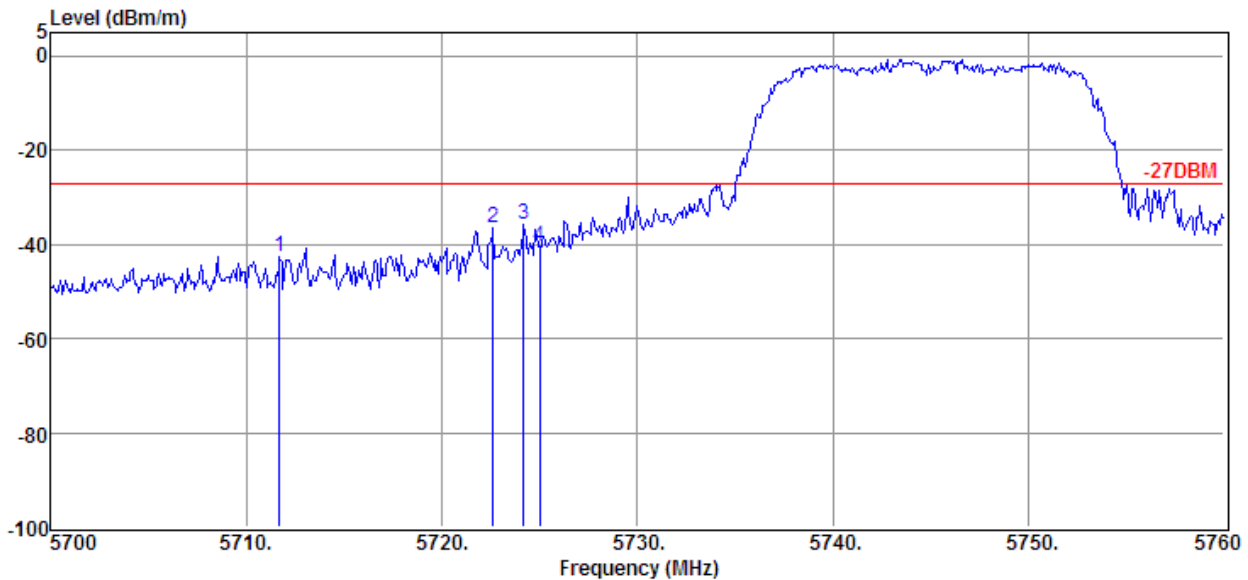
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
1	5725.00	-68.71	34.84	29.22	9.41	7.44	-46.24	-27.00	-19.24	EIRP
2	5725.15	-60.29	34.84	29.22	9.41	7.44	-37.82	-27.00	-10.82	EIRP
3	5733.20	-68.84	34.84	29.21	9.41	7.44	-46.36	-27.00	-19.36	EIRP
4	5740.55	-69.00	34.85	29.21	9.43	7.51	-46.42	-27.00	-19.42	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Memo :
Test Mode : Tx mode 11a 5745MHz
Antenna/Distance : 2016 HF907/3m/VERTICAL

Data: 13



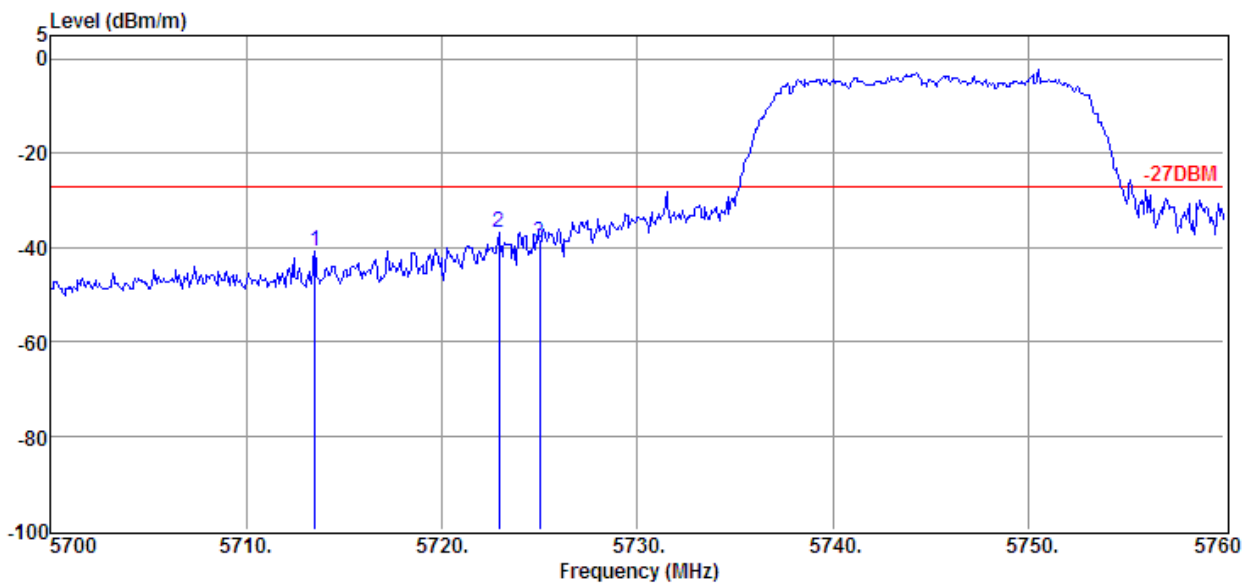
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
1	5711.70	-65.03	34.83	29.22	9.41	7.37	-42.64	-27.00	-15.64	EIRP
2	5722.62	-58.88	34.84	29.22	9.41	7.44	-36.41	-27.00	-9.41	EIRP
3	5724.18	-58.38	34.84	29.22	9.41	7.44	-35.91	-27.00	-8.91	EIRP
4	5725.00	-62.86	34.84	29.22	9.41	7.44	-40.39	-27.00	-13.39	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11a 5745MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 14



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5713.50	-63.10	34.83	29.22	9.41	7.37	-40.71	-27.00	-13.71	EIRP
2	5722.92	-59.16	34.84	29.22	9.41	7.44	-36.69	-27.00	-9.69	EIRP
3	5725.00	-61.42	34.84	29.22	9.41	7.44	-38.95	-27.00	-11.95	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

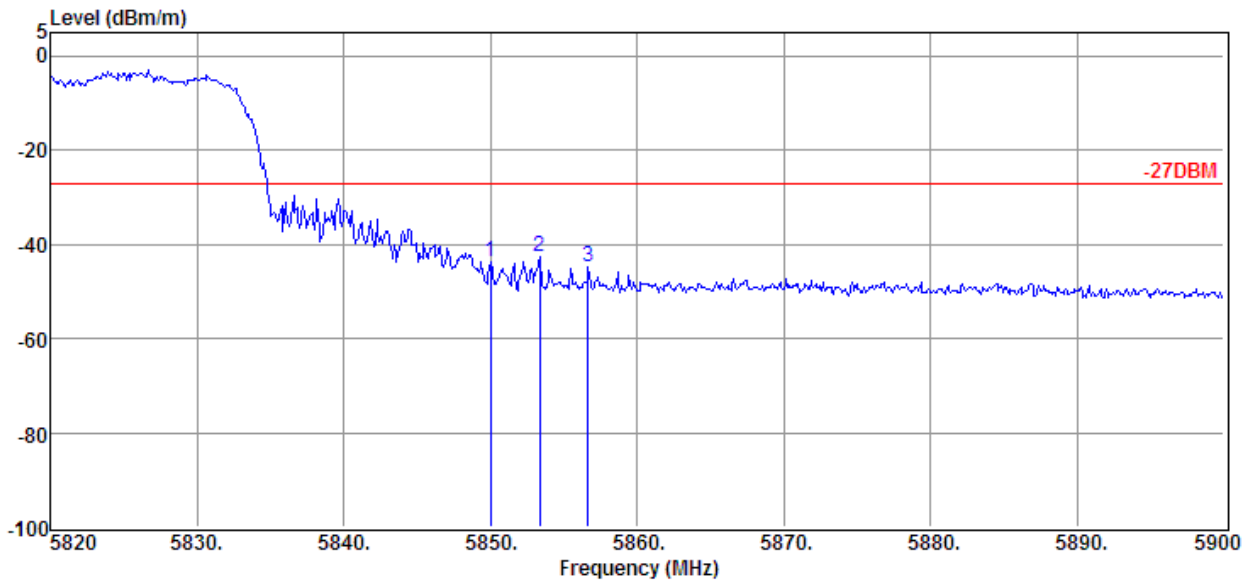
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11a 5825MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 15



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-66.80	34.91	29.20	9.54	7.67	-43.88	-27.00	-16.88	EIRP
2	5853.36	-65.54	34.91	29.20	9.54	7.67	-42.62	-27.00	-15.62	EIRP
3	5856.64	-67.78	34.92	29.20	9.54	7.65	-44.87	-27.00	-17.87	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

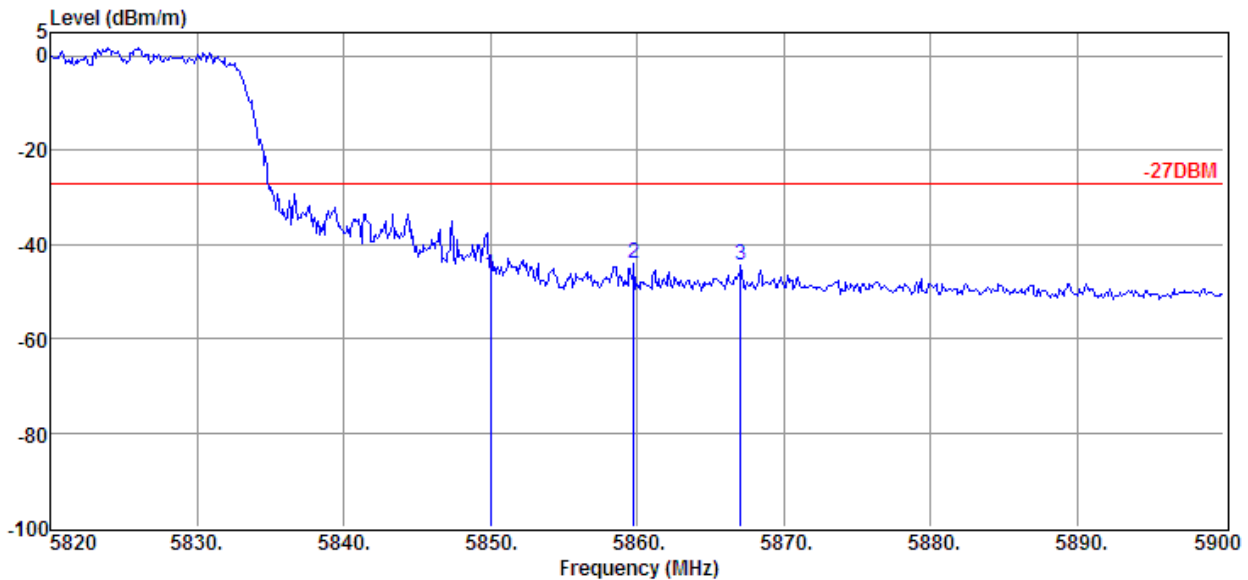
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11a 5825MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 16



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-69.54	34.91	29.20	9.54	7.67	-46.62	-27.00	-19.62	EIRP
2	5859.76	-67.14	34.92	29.20	9.54	7.65	-44.23	-27.00	-17.23	EIRP
3	5867.04	-67.25	34.92	29.20	9.56	7.65	-44.32	-27.00	-17.32	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

SPURIOUS EMISSIONS

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5180MHz									
7171.00	-68.68	36.34	30.48	10.57	7.03	-45.22	-27.00	-18.22	HORIZONTAL
9075.00	-69.66	37.33	32.35	11.89	7.14	-45.65	-27.00	-18.65	HORIZONTAL
13971.00	-69.20	39.77	34.76	14.97	8.87	-40.35	-27.00	-13.35	HORIZONTAL
15824.00	-71.48	43.59	35.55	16.86	10.27	-36.31	-27.00	-9.31	HORIZONTAL
16521.00	-72.32	44.67	36.06	17.54	11.24	-34.93	-27.00	-7.93	HORIZONTAL
17966.00	-73.76	44.59	37.67	19.65	11.45	-35.74	-27.00	-8.74	HORIZONTAL
7579.00	-67.83	36.62	30.88	10.90	6.20	-44.99	-27.00	-17.99	VERTICAL
9109.00	-69.67	37.26	32.36	11.93	7.01	-45.83	-27.00	-18.83	VERTICAL
13155.00	-75.46	38.96	35.57	14.71	13.43	-43.93	-27.00	-16.93	VERTICAL
13971.00	-69.56	39.77	34.76	14.97	8.87	-40.71	-27.00	-13.71	VERTICAL
15756.00	-71.78	43.46	35.56	16.78	10.48	-36.62	-27.00	-9.62	VERTICAL
16640.00	-72.69	44.47	36.28	17.74	11.57	-35.19	-27.00	-8.19	VERTICAL
Tx mode 11a 5200MHz									
7290.00	-69.51	36.44	30.55	10.68	7.10	-45.84	-27.00	-18.84	HORIZONTAL
9075.00	-69.66	37.33	32.35	11.89	7.14	-45.65	-27.00	-18.65	HORIZONTAL
10639.00	-72.52	36.80	33.40	12.91	9.81	-46.40	-27.00	-19.40	HORIZONTAL
14056.00	-68.88	39.91	34.76	15.09	8.89	-39.75	-27.00	-12.75	HORIZONTAL
16334.00	-72.11	44.44	35.80	17.35	10.71	-35.41	-27.00	-8.41	HORIZONTAL
17966.00	-73.57	44.59	37.67	19.65	11.45	-35.55	-27.00	-8.55	HORIZONTAL
7800.00	-69.38	36.66	31.04	11.02	7.09	-45.65	-27.00	-18.65	VERTICAL
9245.00	-69.97	36.95	32.43	12.09	7.67	-45.69	-27.00	-18.69	VERTICAL
12220.00	-74.93	37.91	34.95	14.41	11.91	-45.65	-27.00	-18.65	VERTICAL
14294.00	-70.27	40.39	35.01	15.47	9.85	-39.57	-27.00	-12.57	VERTICAL
16470.00	-71.98	44.65	35.99	17.48	11.09	-34.75	-27.00	-7.75	VERTICAL
17966.00	-73.43	44.59	37.67	19.65	11.45	-35.41	-27.00	-8.41	VERTICAL
Tx mode 11a 5240MHz									
7749.00	-68.64	36.65	31.00	11.00	6.87	-45.12	-27.00	-18.12	HORIZONTAL
8939.00	-70.81	37.24	32.28	11.79	8.43	-45.63	-27.00	-18.63	HORIZONTAL
11319.00	-72.89	37.09	34.38	13.54	10.53	-46.11	-27.00	-19.11	HORIZONTAL
14141.00	-69.94	40.09	34.88	15.21	9.23	-40.29	-27.00	-13.29	HORIZONTAL
16606.00	-72.38	44.53	36.21	17.67	11.47	-34.92	-27.00	-7.92	HORIZONTAL
17966.00	-73.47	44.59	37.67	19.65	11.45	-35.45	-27.00	-8.45	HORIZONTAL
2615.00	-63.99	30.57	29.94	6.31	9.86	-47.19	-27.00	-20.19	VERTICAL
6984.00	-67.98	36.19	30.37	10.42	6.60	-45.14	-27.00	-18.14	VERTICAL
8004.00	-67.86	36.69	31.15	11.14	6.93	-44.25	-27.00	-17.25	VERTICAL
12169.00	-74.62	37.84	34.92	14.38	11.76	-45.56	-27.00	-18.56	VERTICAL
14056.00	-69.18	39.91	34.76	15.09	8.89	-40.05	-27.00	-13.05	VERTICAL
16674.00	-72.34	44.42	36.34	17.81	11.67	-34.78	-27.00	-7.78	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5260MHz									
6950.00	-68.33	36.16	30.35	10.39	6.65	-45.48	-27.00	-18.48	HORIZONTAL
8871.00	-71.52	36.94	32.22	11.77	9.04	-45.99	-27.00	-18.99	HORIZONTAL
13920.00	-69.07	39.72	34.78	14.95	9.16	-40.02	-27.00	-13.02	HORIZONTAL
15909.00	-71.69	43.74	35.52	16.96	10.02	-36.49	-27.00	-9.49	HORIZONTAL
16640.00	-72.06	44.47	36.28	17.74	11.57	-34.56	-27.00	-7.56	HORIZONTAL
17966.00	-73.93	44.59	37.67	19.65	11.45	-35.91	-27.00	-8.91	HORIZONTAL
6916.00	-68.46	36.13	30.33	10.35	6.71	-45.60	-27.00	-18.60	VERTICAL
7936.00	-68.93	36.69	31.11	11.10	7.45	-44.80	-27.00	-17.80	VERTICAL
9024.00	-70.04	37.45	32.33	11.85	7.74	-45.33	-27.00	-18.33	VERTICAL
13971.00	-68.80	39.77	34.76	14.97	8.87	-39.95	-27.00	-12.95	VERTICAL
16640.00	-73.15	44.47	36.28	17.74	11.57	-35.65	-27.00	-8.65	VERTICAL
17966.00	-72.99	44.59	37.67	19.65	11.45	-34.97	-27.00	-7.97	VERTICAL
Tx mode 11a 5280MHz									
7749.00	-69.01	36.65	31.00	11.00	6.87	-45.49	-27.00	-18.49	HORIZONTAL
9024.00	-69.43	37.45	32.33	11.85	7.74	-44.72	-27.00	-17.72	HORIZONTAL
14005.00	-67.88	39.81	34.73	15.01	8.68	-39.11	-27.00	-12.11	HORIZONTAL
15824.00	-71.10	43.59	35.55	16.86	10.27	-35.93	-27.00	-8.93	HORIZONTAL
16640.00	-72.74	44.47	36.28	17.74	11.57	-35.24	-27.00	-8.24	HORIZONTAL
17915.00	-73.50	44.41	37.63	19.55	11.51	-35.66	-27.00	-8.66	HORIZONTAL
7596.00	-68.21	36.62	30.90	10.91	6.23	-45.35	-27.00	-18.35	VERTICAL
13359.00	-73.45	39.16	35.38	14.76	12.29	-42.62	-27.00	-15.62	VERTICAL
14124.00	-70.01	40.05	34.84	15.18	9.16	-40.46	-27.00	-13.46	VERTICAL
15671.00	-71.72	43.31	35.60	16.69	10.74	-36.58	-27.00	-9.58	VERTICAL
16674.00	-72.92	44.42	36.34	17.81	11.67	-35.36	-27.00	-8.36	VERTICAL
18000.00	-73.70	44.70	37.71	19.72	11.41	-35.58	-27.00	-8.58	VERTICAL
Tx mode 11a 5320MHz									
8004.00	-68.99	36.69	31.15	11.14	6.93	-45.38	-27.00	-18.38	HORIZONTAL
9024.00	-70.32	37.45	32.33	11.85	7.74	-45.61	-27.00	-18.61	HORIZONTAL
12016.00	-74.07	37.62	34.80	14.24	11.29	-45.72	-27.00	-18.72	HORIZONTAL
13920.00	-69.67	39.72	34.78	14.95	9.16	-40.62	-27.00	-13.62	HORIZONTAL
15909.00	-70.97	43.74	35.52	16.96	10.02	-35.77	-27.00	-8.77	HORIZONTAL
16470.00	-72.64	44.65	35.99	17.48	11.09	-35.41	-27.00	-8.41	HORIZONTAL
1340.00	-64.21	24.79	29.36	4.53	11.52	-52.73	-27.00	-25.73	VERTICAL
4060.00	-70.46	33.45	29.05	7.67	8.33	-50.06	-27.00	-23.06	VERTICAL
7341.00	-68.91	36.48	30.61	10.72	6.85	-45.47	-27.00	-18.47	VERTICAL
13971.00	-68.77	39.77	34.76	14.97	8.87	-39.92	-27.00	-12.92	VERTICAL
15909.00	-70.78	43.74	35.52	16.96	10.02	-35.58	-27.00	-8.58	VERTICAL
16385.00	-72.42	44.52	35.86	17.40	10.86	-35.50	-27.00	-8.50	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5500MHz									
7409.00	-68.76	36.53	30.67	10.78	6.43	-45.69	-27.00	-18.69	HORIZONTAL
8956.00	-70.82	37.31	32.28	11.80	8.31	-45.68	-27.00	-18.68	HORIZONTAL
14090.00	-69.49	39.98	34.80	15.12	9.02	-40.17	-27.00	-13.17	HORIZONTAL
15909.00	-72.19	43.74	35.52	16.96	10.02	-36.99	-27.00	-9.99	HORIZONTAL
16521.00	-73.24	44.67	36.06	17.54	11.24	-35.85	-27.00	-8.85	HORIZONTAL
17949.00	-74.59	44.53	37.67	19.62	11.47	-36.64	-27.00	-9.64	HORIZONTAL
7341.00	-69.12	36.48	30.61	10.72	6.85	-45.68	-27.00	-18.68	VERTICAL
8055.00	-68.64	36.54	31.18	11.20	6.64	-45.44	-27.00	-18.44	VERTICAL
9330.00	-70.95	36.77	32.50	12.18	8.22	-46.28	-27.00	-19.28	VERTICAL
14515.00	-72.63	40.82	35.38	15.80	10.74	-40.65	-27.00	-13.65	VERTICAL
16606.00	-73.21	44.53	36.21	17.67	11.47	-35.75	-27.00	-8.75	VERTICAL
18000.00	-74.18	44.70	37.71	19.72	11.41	-36.06	-27.00	-9.06	VERTICAL
Tx mode 11a 5580MHz									
6899.00	-68.54	36.12	30.31	10.33	6.74	-45.66	-27.00	-18.66	HORIZONTAL
7851.00	-69.90	36.67	31.07	11.05	7.40	-45.85	-27.00	-18.85	HORIZONTAL
8956.00	-70.33	37.31	32.28	11.80	8.31	-45.19	-27.00	-18.19	HORIZONTAL
14090.00	-69.84	39.98	34.80	15.12	9.02	-40.52	-27.00	-13.52	HORIZONTAL
15790.00	-71.95	43.53	35.55	16.82	10.38	-36.77	-27.00	-9.77	HORIZONTAL
16674.00	-73.17	44.42	36.34	17.81	11.67	-35.61	-27.00	-8.61	HORIZONTAL
7579.00	-68.26	36.62	30.88	10.90	6.20	-45.42	-27.00	-18.42	VERTICAL
8956.00	-71.26	37.31	32.28	11.80	8.31	-46.12	-27.00	-19.12	VERTICAL
12645.00	-76.24	38.45	35.45	14.65	13.20	-45.39	-27.00	-18.39	VERTICAL
13920.00	-68.92	39.72	34.78	14.95	9.16	-39.87	-27.00	-12.87	VERTICAL
16521.00	-72.52	44.67	36.06	17.54	11.24	-35.13	-27.00	-8.13	VERTICAL
18000.00	-73.85	44.70	37.71	19.72	11.41	-35.73	-27.00	-8.73	VERTICAL
Tx mode 11a 5700MHz									
8004.00	-68.94	36.69	31.15	11.14	6.93	-45.33	-27.00	-18.33	HORIZONTAL
9041.00	-69.85	37.41	32.34	11.85	7.54	-45.39	-27.00	-18.39	HORIZONTAL
11030.00	-73.23	37.73	34.03	13.49	10.23	-45.81	-27.00	-18.81	HORIZONTAL
13971.00	-69.24	39.77	34.76	14.97	8.87	-40.39	-27.00	-13.39	HORIZONTAL
14396.00	-71.53	40.59	35.18	15.61	10.26	-40.25	-27.00	-13.25	HORIZONTAL
16555.00	-73.04	44.61	36.14	17.61	11.33	-35.63	-27.00	-8.63	HORIZONTAL
6950.00	-67.88	36.16	30.35	10.39	6.65	-45.03	-27.00	-18.03	VERTICAL
8735.00	-70.72	36.35	32.10	11.72	9.42	-45.33	-27.00	-18.33	VERTICAL
12220.00	-75.66	37.91	34.95	14.41	11.91	-46.38	-27.00	-19.38	VERTICAL
14175.00	-69.69	40.15	34.88	15.27	9.37	-39.78	-27.00	-12.78	VERTICAL
16555.00	-73.22	44.61	36.14	17.61	11.33	-35.81	-27.00	-8.81	VERTICAL
17966.00	-74.43	44.59	37.67	19.65	11.45	-36.41	-27.00	-9.41	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5745MHz									
8106.00	-67.11	36.40	31.22	11.23	6.36	-44.34	-27.00	-17.34	HORIZONTAL
13104.00	-73.70	38.91	35.64	14.70	13.72	-42.01	-27.00	-15.01	HORIZONTAL
14226.00	-69.87	40.26	34.96	15.35	9.57	-39.65	-27.00	-12.65	HORIZONTAL
15586.00	-71.51	43.16	35.64	16.61	10.99	-36.39	-27.00	-9.39	HORIZONTAL
16504.00	-72.12	44.69	36.06	17.51	11.19	-34.79	-27.00	-7.79	HORIZONTAL
18000.00	-73.31	44.70	37.71	19.72	11.41	-35.19	-27.00	-8.19	HORIZONTAL
7511.00	-68.14	36.60	30.81	10.86	6.11	-45.38	-27.00	-18.38	VERTICAL
8990.00	-71.39	37.46	32.32	11.81	8.06	-46.38	-27.00	-19.38	VERTICAL
14005.00	-69.22	39.81	34.73	15.01	8.68	-40.45	-27.00	-13.45	VERTICAL
15909.00	-72.12	43.74	35.52	16.96	10.02	-36.92	-27.00	-9.92	VERTICAL
16640.00	-73.17	44.47	36.28	17.74	11.57	-35.67	-27.00	-8.67	VERTICAL
17915.00	-73.41	44.41	37.63	19.55	11.51	-35.57	-27.00	-8.57	VERTICAL
Tx mode 11a 5785MHz									
7970.00	-68.95	36.69	31.12	11.12	7.19	-45.07	-27.00	-18.07	HORIZONTAL
9160.00	-69.42	37.14	32.39	11.99	7.24	-45.44	-27.00	-18.44	HORIZONTAL
14039.00	-69.17	39.88	34.76	15.07	8.82	-40.16	-27.00	-13.16	HORIZONTAL
15994.00	-71.74	43.89	35.49	17.04	9.76	-36.54	-27.00	-9.54	HORIZONTAL
16640.00	-72.42	44.47	36.28	17.74	11.57	-34.92	-27.00	-7.92	HORIZONTAL
17966.00	-72.91	44.59	37.67	19.65	11.45	-34.89	-27.00	-7.89	HORIZONTAL
8004.00	-68.01	36.69	31.15	11.14	6.93	-44.40	-27.00	-17.40	VERTICAL
9024.00	-69.85	37.45	32.33	11.85	7.74	-45.14	-27.00	-18.14	VERTICAL
11574.00	-70.21	36.84	34.56	13.67	10.80	-43.46	-27.00	-16.46	VERTICAL
14039.00	-67.42	39.88	34.76	15.07	8.82	-38.41	-27.00	-11.41	VERTICAL
16606.00	-71.71	44.53	36.21	17.67	11.47	-34.25	-27.00	-7.25	VERTICAL
17966.00	-73.12	44.59	37.67	19.65	11.45	-35.10	-27.00	-8.10	VERTICAL
Tx mode 11a 5825MHz									
7970.00	-69.35	36.69	31.12	11.12	7.19	-45.47	-27.00	-18.47	HORIZONTAL
9041.00	-70.42	37.41	32.34	11.85	7.54	-45.96	-27.00	-18.96	HORIZONTAL
13461.00	-73.45	39.26	35.28	14.79	11.72	-42.96	-27.00	-15.96	HORIZONTAL
15059.00	-74.07	41.68	35.88	16.41	12.59	-39.27	-27.00	-12.27	HORIZONTAL
16606.00	-72.96	44.53	36.21	17.67	11.47	-35.50	-27.00	-8.50	HORIZONTAL
17966.00	-74.27	44.59	37.67	19.65	11.45	-36.25	-27.00	-9.25	HORIZONTAL
7341.00	-67.64	36.48	30.61	10.72	6.85	-44.20	-27.00	-17.20	VERTICAL
9041.00	-68.59	37.41	32.34	11.85	7.54	-44.13	-27.00	-17.13	VERTICAL
11659.00	-70.93	36.99	34.62	13.79	10.88	-43.89	-27.00	-16.89	VERTICAL
14260.00	-69.57	40.32	34.96	15.41	9.71	-39.09	-27.00	-12.09	VERTICAL
15824.00	-70.54	43.59	35.55	16.86	10.27	-35.37	-27.00	-8.37	VERTICAL
16504.00	-72.40	44.69	36.06	17.51	11.19	-35.07	-27.00	-8.07	VERTICAL

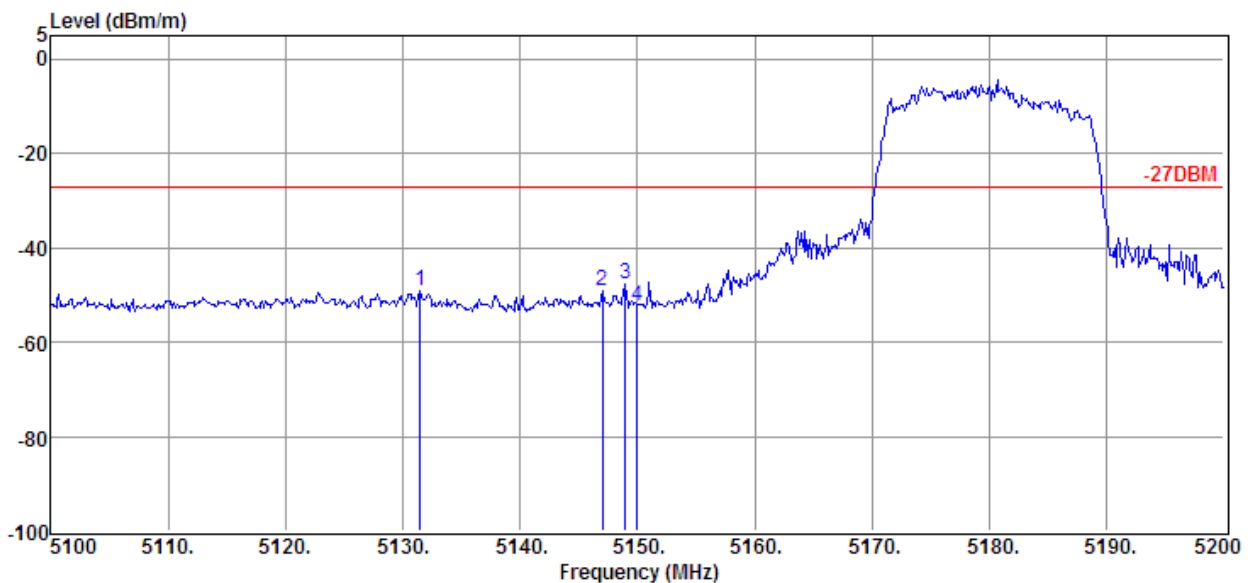
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.2. 802.11n HT 20 MODE

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Memo :
Test Mode : Tx mode 11n 20 5180MHz
Antenna/Distance : 2016 HF907/3m/HORIZONTAL

Data: 17



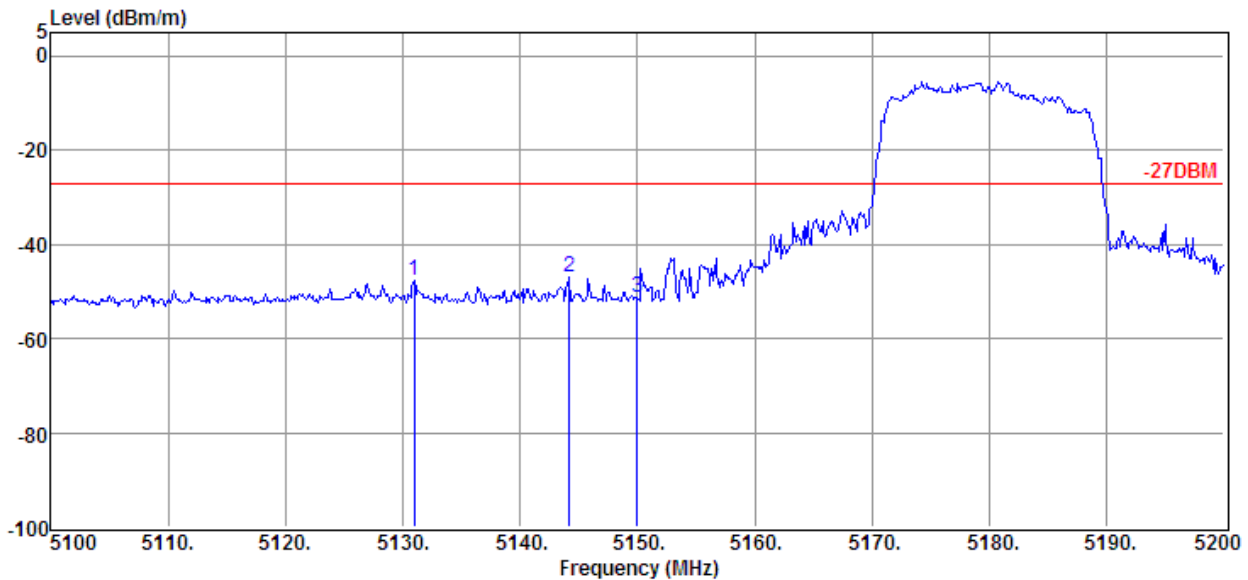
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
1	5131.50	-71.37	33.97	29.34	8.80	8.71	-49.23	-27.00	-22.23	EIRP
2	5147.00	-71.08	34.00	29.33	8.84	8.56	-49.01	-27.00	-22.01	EIRP
3	5149.00	-69.66	34.01	29.33	8.84	8.56	-47.58	-27.00	-20.58	EIRP
4	5150.00	-74.39	34.01	29.33	8.84	8.56	-52.31	-27.00	-25.31	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5180MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 18



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5131.00	-69.70	33.97	29.34	8.80	8.71	-47.56	-27.00	-20.56	EIRP
2	5144.20	-69.18	34.00	29.33	8.84	8.56	-47.11	-27.00	-20.11	EIRP
3	5150.00	-73.28	34.01	29.33	8.84	8.56	-51.20	-27.00	-24.20	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

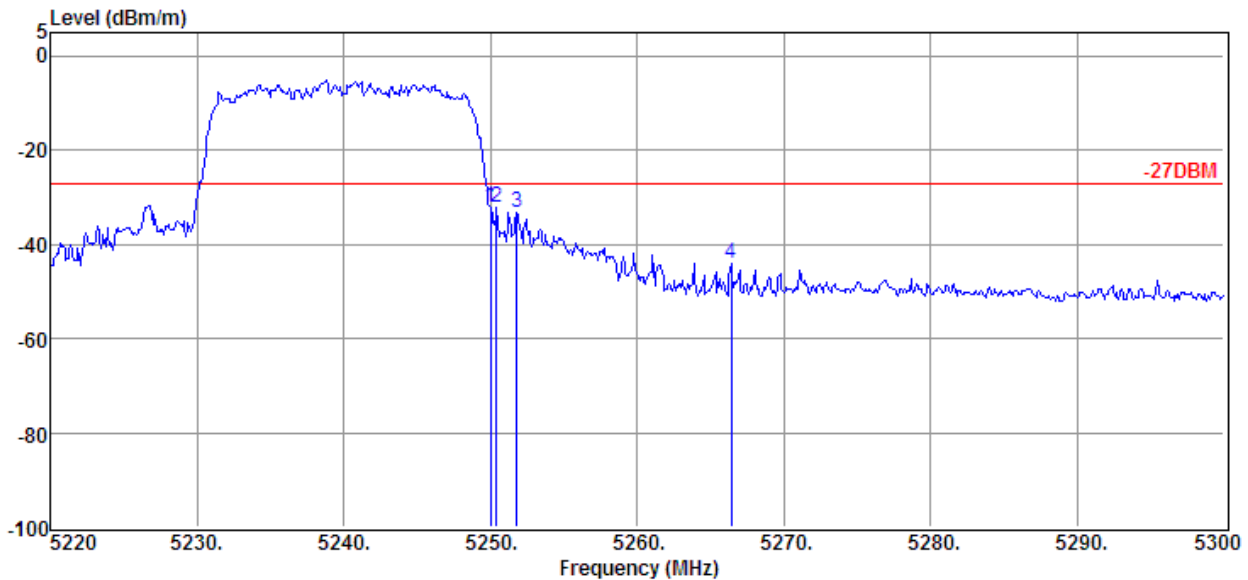
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5240MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 19



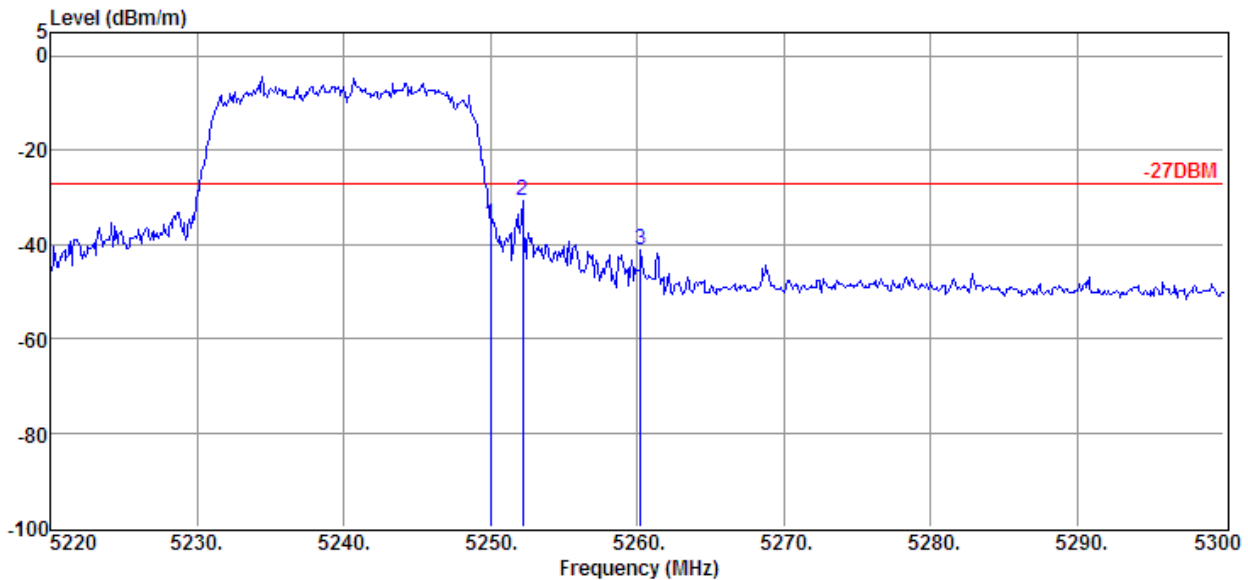
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-53.95	34.21	29.32	8.93	7.97	-32.16	-27.00	-5.16	EIRP
2	5250.40	-53.93	34.21	29.32	8.93	7.97	-32.14	-27.00	-5.14	EIRP
3	5251.76	-55.09	34.22	29.32	8.93	7.97	-33.29	-27.00	-6.29	EIRP
4	5266.40	-66.06	34.24	29.32	8.96	7.93	-44.25	-27.00	-17.25	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5240MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 20



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-57.57	34.21	29.32	8.93	7.97	-35.78	-27.00	-8.78	EIRP
2	5252.16	-52.65	34.22	29.32	8.93	7.97	-30.85	-27.00	-3.85	EIRP
3	5260.24	-62.99	34.23	29.32	8.93	7.93	-41.22	-27.00	-14.22	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

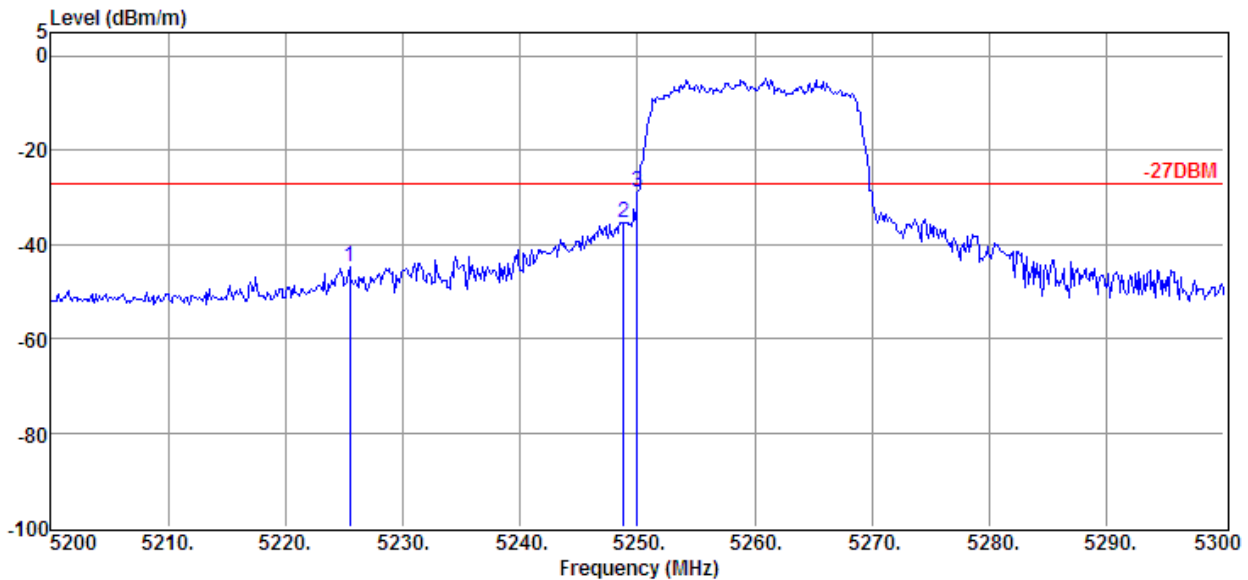
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5260MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 21



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5225.50	-66.58	34.16	29.32	8.91	8.02	-44.81	-27.00	-17.81	EIRP
2	5248.80	-57.09	34.21	29.32	8.93	7.97	-35.30	-27.00	-8.30	EIRP
3	5250.00	-50.77	34.21	29.32	8.93	7.97	-28.98	-27.00	-1.98	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

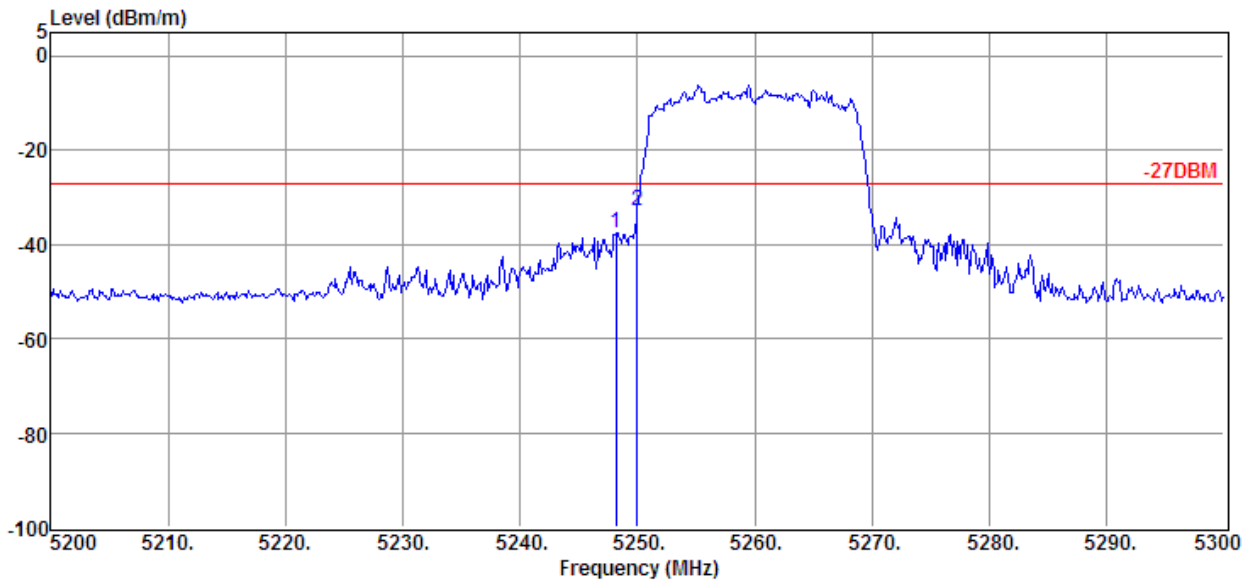
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5260MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 22



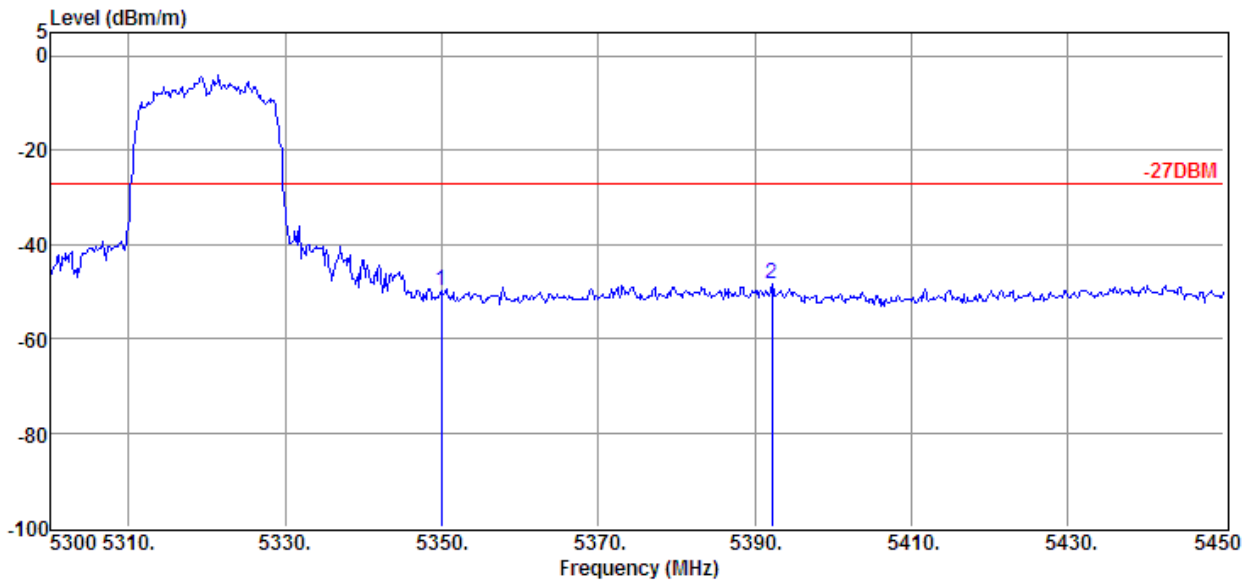
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5248.20	-59.29	34.21	29.32	8.93	7.97	-37.50	-27.00	-10.50	EIRP
2	5250.00	-54.56	34.21	29.32	8.93	7.97	-32.77	-27.00	-5.77	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5320MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 23



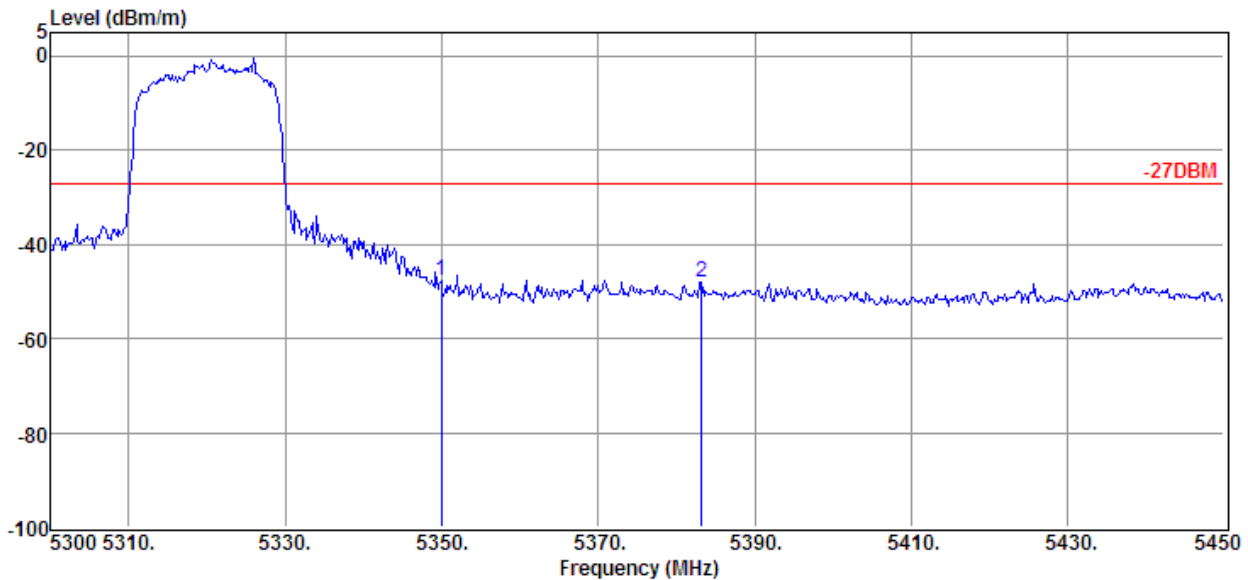
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-71.60	34.41	29.30	9.03	7.45	-50.01	-27.00	-23.01	EIRP
2	5392.25	-69.96	34.49	29.30	9.09	7.20	-48.48	-27.00	-21.48	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5320MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 24



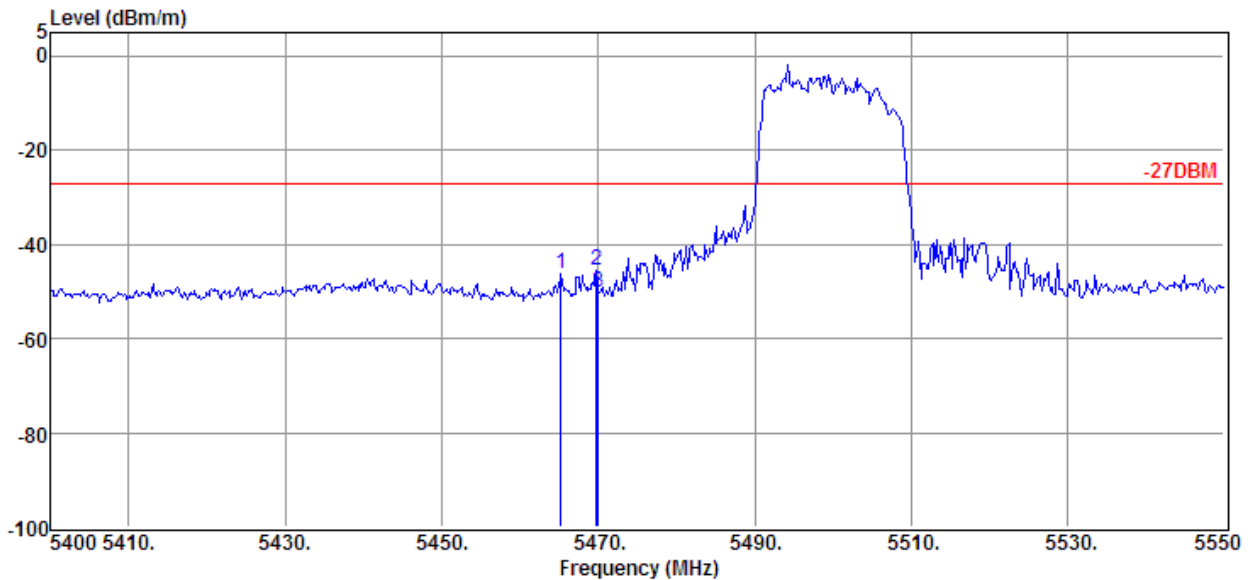
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-69.33	34.41	29.30	9.03	7.45	-47.74	-27.00	-20.74	EIRP
2	5383.25	-69.42	34.47	29.30	9.05	7.20	-48.00	-27.00	-21.00	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5500MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 25



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5465.25	-67.70	34.63	29.27	9.16	7.10	-46.08	-27.00	-19.08	EIRP
2	5469.75	-67.19	34.64	29.27	9.16	7.10	-45.56	-27.00	-18.56	EIRP
3	5470.00	-71.89	34.64	29.27	9.16	7.10	-50.26	-27.00	-23.26	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

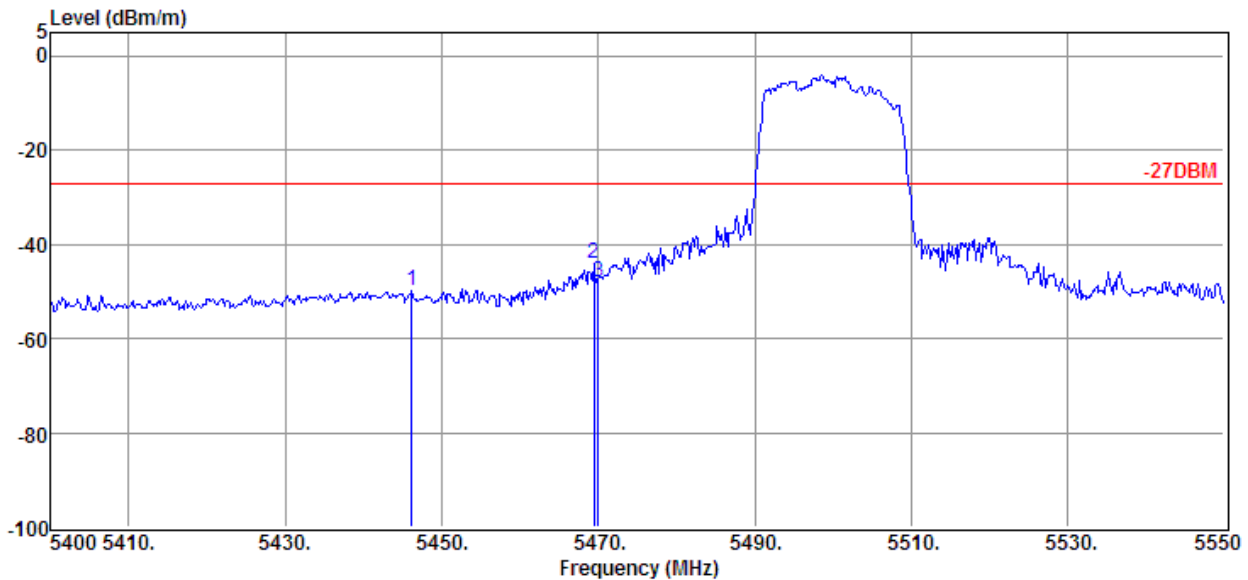
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5500MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 26



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5446.20	-71.56	34.60	29.28	9.14	7.09	-50.01	-27.00	-23.01	EIRP
2	5469.45	-65.80	34.64	29.27	9.16	7.10	-44.17	-27.00	-17.17	EIRP
3	5470.00	-69.76	34.64	29.27	9.16	7.10	-48.13	-27.00	-21.13	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

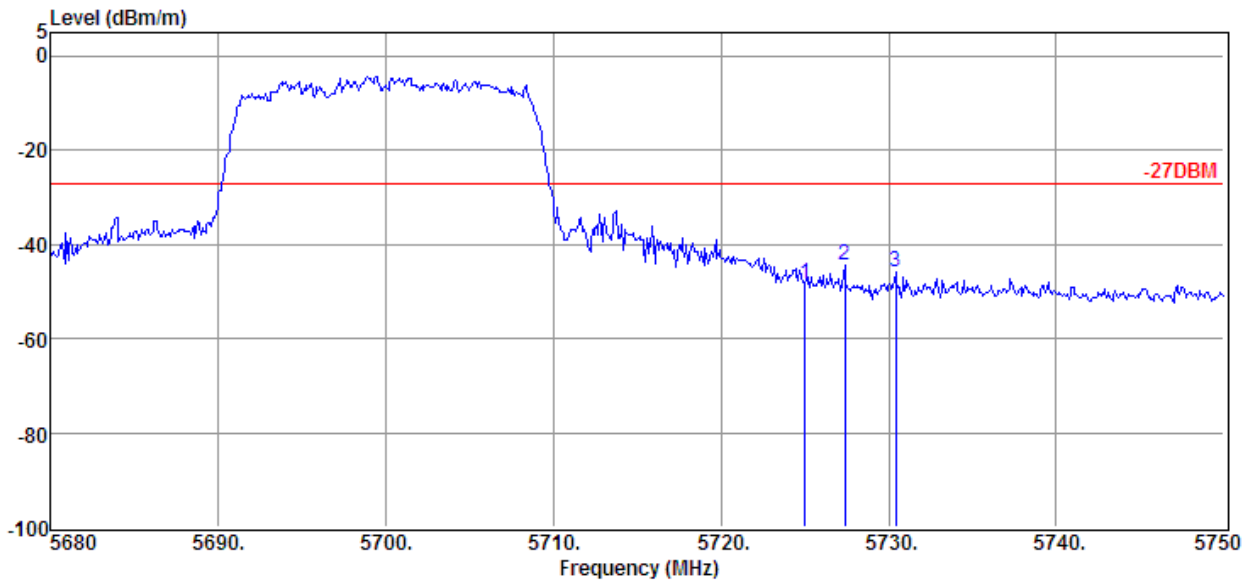
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5700MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 27



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
1	5725.00	-70.91	34.84	29.22	9.41	7.44	-48.44	-27.00	-21.44	EIRP
2	5727.39	-67.00	34.84	29.22	9.41	7.44	-44.53	-27.00	-17.53	EIRP
3	5730.40	-68.49	34.84	29.22	9.41	7.44	-46.02	-27.00	-19.02	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

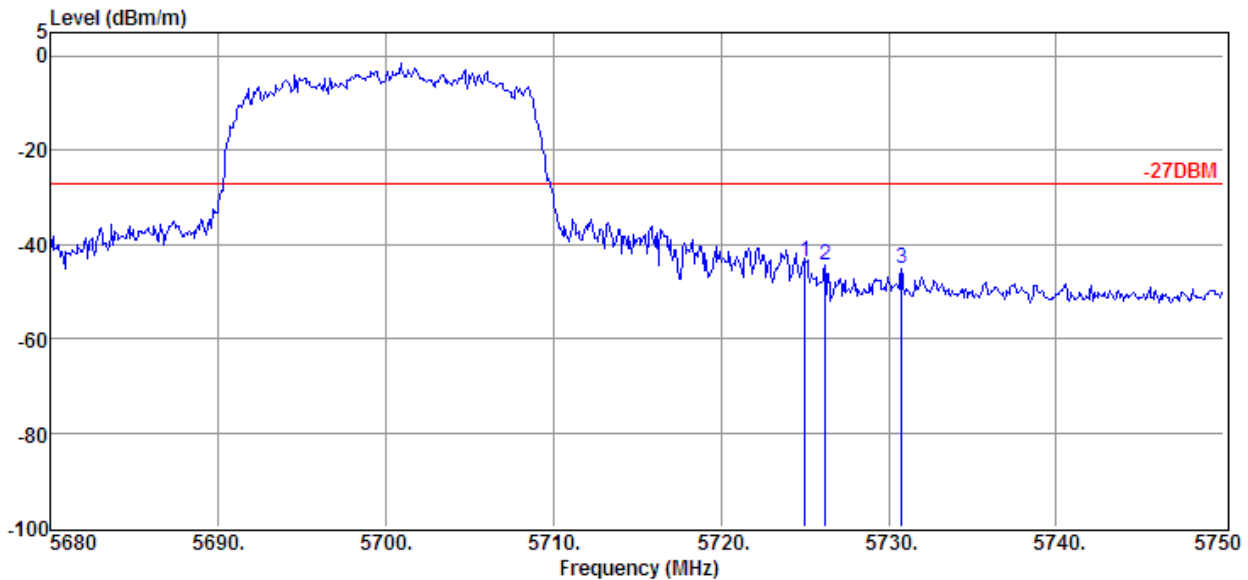
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5700MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 28



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5725.00	-66.23	34.84	29.22	9.41	7.44	-43.76	-27.00	-16.76	EIRP
2	5726.20	-66.98	34.84	29.22	9.41	7.44	-44.51	-27.00	-17.51	EIRP
3	5730.75	-67.52	34.84	29.22	9.41	7.44	-45.05	-27.00	-18.05	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

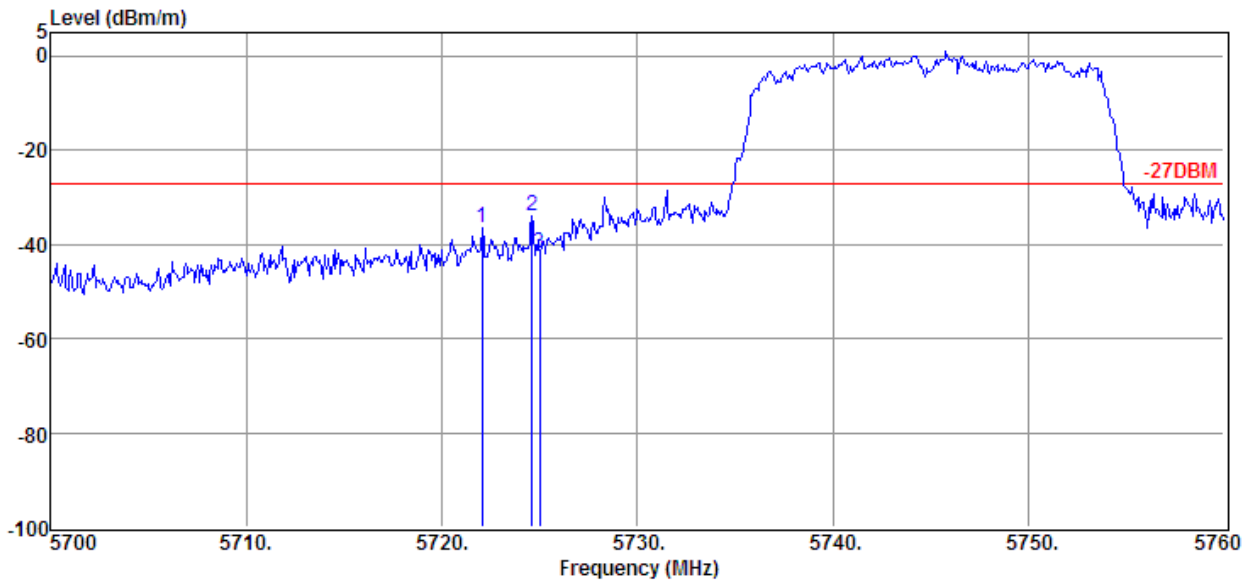
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5745MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 29



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cabl e Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5722.08	-59.01	34.84	29.22	9.41	7.44	-36.54	-27.00	-9.54	EIRP
2	5724.60	-56.33	34.84	29.22	9.41	7.44	-33.86	-27.00	-6.86	EIRP
3	5725.00	-64.22	34.84	29.22	9.41	7.44	-41.75	-27.00	-14.75	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

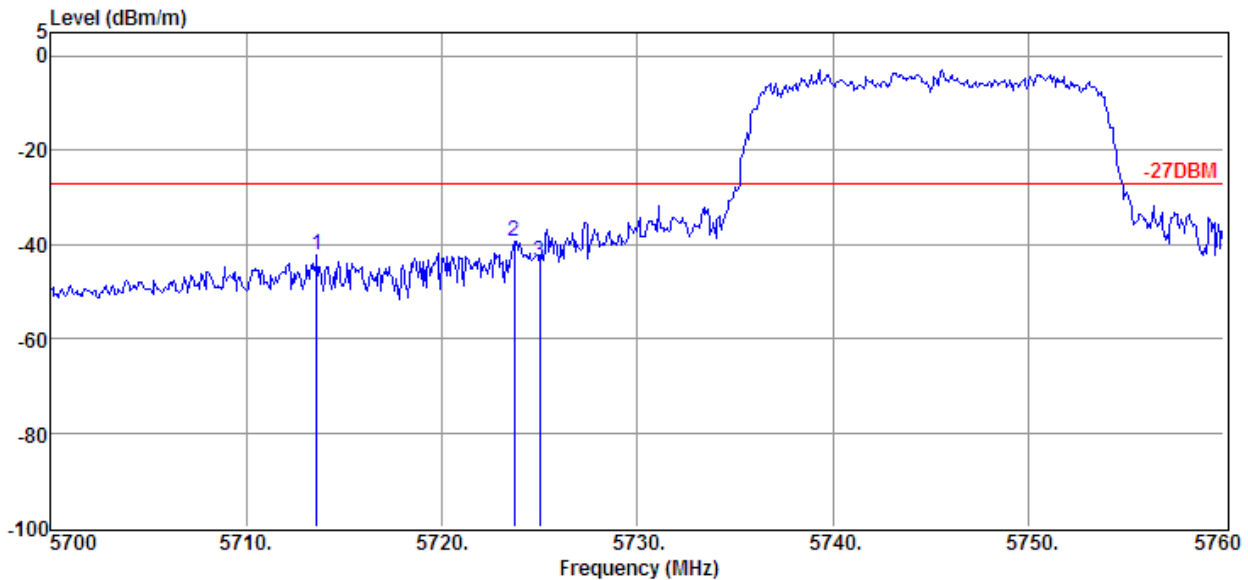
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 20 5745MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 30



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5713.62	-64.55	34.83	29.22	9.41	7.37	-42.16	-27.00	-15.16	EIRP
2	5723.70	-61.90	34.84	29.22	9.41	7.44	-39.43	-27.00	-12.43	EIRP
3	5725.00	-66.29	34.84	29.22	9.41	7.44	-43.82	-27.00	-16.82	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

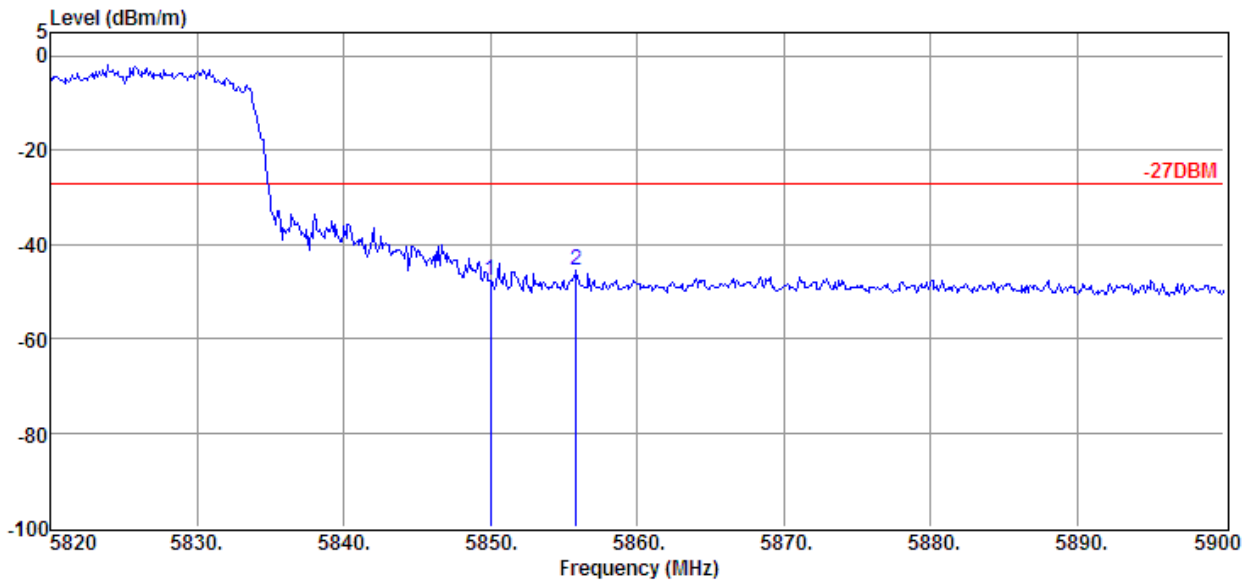
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5825MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 31



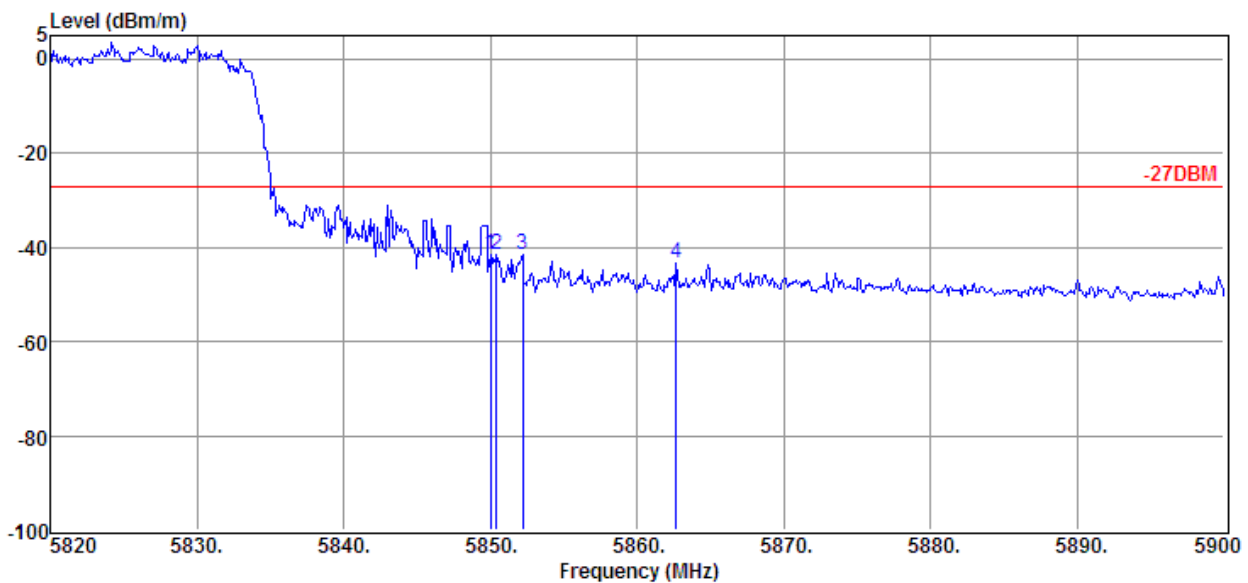
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-70.69	34.91	29.20	9.54	7.67	-47.77	-27.00	-20.77	EIRP
2	5855.84	-68.57	34.92	29.20	9.54	7.65	-45.66	-27.00	-18.66	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 20 5825MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 32



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-64.38	34.91	29.20	9.54	7.67	-41.46	-27.00	-14.46	EIRP
2	5850.40	-64.31	34.91	29.20	9.54	7.67	-41.39	-27.00	-14.39	EIRP
3	5852.16	-64.45	34.91	29.20	9.54	7.67	-41.53	-27.00	-14.53	EIRP
4	5862.64	-66.17	34.92	29.20	9.56	7.65	-43.24	-27.00	-16.24	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

SPURIOUS EMISSIONS

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5180MHz									
7579.00	-67.16	36.62	30.88	10.90	6.20	-44.32	-27.00	-17.32	HORIZONTAL
9024.00	-69.40	37.45	32.33	11.85	7.74	-44.69	-27.00	-17.69	HORIZONTAL
14124.00	-68.11	40.05	34.84	15.18	9.16	-38.56	-27.00	-11.56	HORIZONTAL
15790.00	-70.69	43.53	35.55	16.82	10.38	-35.51	-27.00	-8.51	HORIZONTAL
16351.00	-71.98	44.46	35.86	17.37	10.76	-35.25	-27.00	-8.25	HORIZONTAL
17320.00	-72.43	43.32	36.97	18.63	12.20	-35.25	-27.00	-8.25	HORIZONTAL
7239.00	-68.60	36.39	30.52	10.63	7.15	-44.95	-27.00	-17.95	VERTICAL
7970.00	-69.52	36.69	31.12	11.12	7.19	-45.64	-27.00	-18.64	VERTICAL
10554.00	-71.43	36.55	33.31	12.80	9.71	-45.68	-27.00	-18.68	VERTICAL
14056.00	-69.54	39.91	34.76	15.09	8.89	-40.41	-27.00	-13.41	VERTICAL
15739.00	-72.29	43.43	35.56	16.77	10.53	-37.12	-27.00	-10.12	VERTICAL
16470.00	-72.78	44.65	35.99	17.48	11.09	-35.55	-27.00	-8.55	VERTICAL
Tx mode 11a 5200MHz									
7426.00	-68.52	36.54	30.70	10.80	6.36	-45.52	-27.00	-18.52	HORIZONTAL
7936.00	-69.07	36.69	31.11	11.10	7.45	-44.94	-27.00	-17.94	HORIZONTAL
9874.00	-71.69	36.78	32.87	12.42	9.00	-46.36	-27.00	-19.36	HORIZONTAL
13920.00	-69.74	39.72	34.78	14.95	9.16	-40.69	-27.00	-13.69	HORIZONTAL
15841.00	-72.49	43.62	35.53	16.88	10.22	-37.30	-27.00	-10.30	HORIZONTAL
16504.00	-73.02	44.69	36.06	17.51	11.19	-35.69	-27.00	-8.69	HORIZONTAL
7375.00	-68.61	36.50	30.63	10.75	6.62	-45.37	-27.00	-18.37	VERTICAL
9330.00	-70.76	36.77	32.50	12.18	8.22	-46.09	-27.00	-19.09	VERTICAL
13036.00	-75.18	38.84	35.69	14.68	14.10	-43.25	-27.00	-16.25	VERTICAL
14005.00	-69.22	39.81	34.73	15.01	8.68	-40.45	-27.00	-13.45	VERTICAL
15790.00	-72.39	43.53	35.55	16.82	10.38	-37.21	-27.00	-10.21	VERTICAL
16674.00	-73.22	44.42	36.34	17.81	11.67	-35.66	-27.00	-8.66	VERTICAL
Tx mode 11a 5240MHz									
7120.00	-68.67	36.30	30.44	10.55	6.80	-45.46	-27.00	-18.46	HORIZONTAL
9024.00	-70.46	37.45	32.33	11.85	7.74	-45.75	-27.00	-18.75	HORIZONTAL
14005.00	-69.34	39.81	34.73	15.01	8.68	-40.57	-27.00	-13.57	HORIZONTAL
15926.00	-71.87	43.77	35.50	16.98	9.97	-36.65	-27.00	-9.65	HORIZONTAL
16334.00	-72.96	44.44	35.80	17.35	10.71	-36.26	-27.00	-9.26	HORIZONTAL
17966.00	-74.33	44.59	37.67	19.65	11.45	-36.31	-27.00	-9.31	HORIZONTAL
7001.00	-68.82	36.20	30.38	10.44	6.57	-45.99	-27.00	-18.99	VERTICAL
8004.00	-69.64	36.69	31.15	11.14	6.93	-46.03	-27.00	-19.03	VERTICAL
9075.00	-70.16	37.33	32.35	11.89	7.14	-46.15	-27.00	-19.15	VERTICAL
14039.00	-68.13	39.88	34.76	15.07	8.82	-39.12	-27.00	-12.12	VERTICAL
16589.00	-72.94	44.56	36.21	17.64	11.43	-35.52	-27.00	-8.52	VERTICAL
18000.00	-73.50	44.70	37.71	19.72	11.41	-35.38	-27.00	-8.38	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5260MHz									
7681.00	-68.73	36.64	30.96	10.96	6.58	-45.51	-27.00	-18.51	HORIZONTAL
8956.00	-70.64	37.31	32.28	11.80	8.31	-45.50	-27.00	-18.50	HORIZONTAL
14039.00	-68.79	39.88	34.76	15.07	8.82	-39.78	-27.00	-12.78	HORIZONTAL
15790.00	-71.72	43.53	35.55	16.82	10.38	-36.54	-27.00	-9.54	HORIZONTAL
17371.00	-73.03	43.23	37.03	18.67	12.14	-36.02	-27.00	-9.02	HORIZONTAL
18000.00	-73.90	44.70	37.71	19.72	11.41	-35.78	-27.00	-8.78	HORIZONTAL
7409.00	-68.37	36.53	30.67	10.78	6.43	-45.30	-27.00	-18.30	VERTICAL
7919.00	-69.60	36.68	31.10	11.09	7.58	-45.35	-27.00	-18.35	VERTICAL
13920.00	-69.06	39.72	34.78	14.95	9.16	-40.01	-27.00	-13.01	VERTICAL
15824.00	-72.34	43.59	35.55	16.86	10.27	-37.17	-27.00	-10.17	VERTICAL
16589.00	-73.04	44.56	36.21	17.64	11.43	-35.62	-27.00	-8.62	VERTICAL
18000.00	-73.88	44.70	37.71	19.72	11.41	-35.76	-27.00	-8.76	VERTICAL
Tx mode 11a 5280MHz									
7715.00	-68.53	36.64	30.99	10.98	6.72	-45.18	-27.00	-18.18	HORIZONTAL
12050.00	-73.55	37.67	34.82	14.27	11.40	-45.03	-27.00	-18.03	HORIZONTAL
14039.00	-69.64	39.88	34.76	15.07	8.82	-40.63	-27.00	-13.63	HORIZONTAL
15875.00	-72.30	43.68	35.52	16.92	10.12	-37.10	-27.00	-10.10	HORIZONTAL
16674.00	-73.36	44.42	36.34	17.81	11.67	-35.80	-27.00	-8.80	HORIZONTAL
18000.00	-73.95	44.70	37.71	19.72	11.41	-35.83	-27.00	-8.83	HORIZONTAL
7001.00	-68.86	36.20	30.38	10.44	6.57	-46.03	-27.00	-19.03	VERTICAL
8055.00	-68.22	36.54	31.18	11.20	6.64	-45.02	-27.00	-18.02	VERTICAL
11285.00	-72.78	37.17	34.31	13.54	10.49	-45.89	-27.00	-18.89	VERTICAL
13954.00	-69.55	39.75	34.76	14.97	8.97	-40.62	-27.00	-13.62	VERTICAL
16606.00	-73.91	44.53	36.21	17.67	11.47	-36.45	-27.00	-9.45	VERTICAL
17915.00	-73.83	44.41	37.63	19.55	11.51	-35.99	-27.00	-8.99	VERTICAL
Tx mode 11a 5320MHz									
6814.00	-67.51	36.05	30.25	10.26	7.22	-44.23	-27.00	-17.23	HORIZONTAL
8990.00	-69.42	37.46	32.32	11.81	8.06	-44.41	-27.00	-17.41	HORIZONTAL
13444.00	-72.70	39.24	35.28	14.78	11.82	-42.14	-27.00	-15.14	HORIZONTAL
14039.00	-67.70	39.88	34.76	15.07	8.82	-38.69	-27.00	-11.69	HORIZONTAL
16521.00	-72.49	44.67	36.06	17.54	11.24	-35.10	-27.00	-8.10	HORIZONTAL
18000.00	-73.56	44.70	37.71	19.72	11.41	-35.44	-27.00	-8.44	HORIZONTAL
6984.00	-68.97	36.19	30.37	10.42	6.60	-46.13	-27.00	-19.13	VERTICAL
8089.00	-68.81	36.44	31.20	11.21	6.45	-45.91	-27.00	-18.91	VERTICAL
12900.00	-76.97	38.70	35.67	14.66	13.98	-45.30	-27.00	-18.30	VERTICAL
13971.00	-68.35	39.77	34.76	14.97	8.87	-39.50	-27.00	-12.50	VERTICAL
15705.00	-73.01	43.37	35.58	16.73	10.63	-37.86	-27.00	-10.86	VERTICAL
16674.00	-73.04	44.42	36.34	17.81	11.67	-35.48	-27.00	-8.48	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5500MHz									
7851.00	-68.38	36.67	31.07	11.05	7.40	-44.33	-27.00	-17.33	HORIZONTAL
8956.00	-69.88	37.31	32.28	11.80	8.31	-44.74	-27.00	-17.74	HORIZONTAL
14005.00	-67.89	39.81	34.73	15.01	8.68	-39.12	-27.00	-12.12	HORIZONTAL
15909.00	-71.05	43.74	35.52	16.96	10.02	-35.85	-27.00	-8.85	HORIZONTAL
16555.00	-72.07	44.61	36.14	17.61	11.33	-34.66	-27.00	-7.66	HORIZONTAL
18000.00	-73.24	44.70	37.71	19.72	11.41	-35.12	-27.00	-8.12	HORIZONTAL
7851.00	-68.64	36.67	31.07	11.05	7.40	-44.59	-27.00	-17.59	VERTICAL
8735.00	-70.86	36.35	32.10	11.72	9.42	-45.47	-27.00	-18.47	VERTICAL
14396.00	-71.57	40.59	35.18	15.61	10.26	-40.29	-27.00	-13.29	VERTICAL
15909.00	-71.52	43.74	35.52	16.96	10.02	-36.32	-27.00	-9.32	VERTICAL
16691.00	-73.22	44.39	36.34	17.84	11.71	-35.62	-27.00	-8.62	VERTICAL
17966.00	-73.99	44.59	37.67	19.65	11.45	-35.97	-27.00	-8.97	VERTICAL
Tx mode 11a 5580MHz									
7715.00	-68.65	36.64	30.99	10.98	6.72	-45.30	-27.00	-18.30	HORIZONTAL
9075.00	-69.79	37.33	32.35	11.89	7.14	-45.78	-27.00	-18.78	HORIZONTAL
14005.00	-69.26	39.81	34.73	15.01	8.68	-40.49	-27.00	-13.49	HORIZONTAL
15824.00	-70.83	43.59	35.55	16.86	10.27	-35.66	-27.00	-8.66	HORIZONTAL
16674.00	-73.35	44.42	36.34	17.81	11.67	-35.79	-27.00	-8.79	HORIZONTAL
18000.00	-73.97	44.70	37.71	19.72	11.41	-35.85	-27.00	-8.85	HORIZONTAL
7885.00	-69.93	36.68	31.08	11.07	7.61	-45.65	-27.00	-18.65	VERTICAL
8820.00	-71.70	36.72	32.18	11.75	9.59	-45.82	-27.00	-18.82	VERTICAL
14005.00	-69.15	39.81	34.73	15.01	8.68	-40.38	-27.00	-13.38	VERTICAL
15960.00	-71.87	43.83	35.50	17.00	9.86	-36.68	-27.00	-9.68	VERTICAL
16504.00	-72.55	44.69	36.06	17.51	11.19	-35.22	-27.00	-8.22	VERTICAL
17966.00	-74.24	44.59	37.67	19.65	11.45	-36.22	-27.00	-9.22	VERTICAL
Tx mode 11a 5700MHz									
6950.00	-67.52	36.16	30.35	10.39	6.65	-44.67	-27.00	-17.67	HORIZONTAL
7936.00	-69.36	36.69	31.11	11.10	7.45	-45.23	-27.00	-18.23	HORIZONTAL
13954.00	-68.54	39.75	34.76	14.97	8.97	-39.61	-27.00	-12.61	HORIZONTAL
16045.00	-71.30	43.97	35.53	17.09	9.90	-35.87	-27.00	-8.87	HORIZONTAL
16691.00	-73.80	44.39	36.34	17.84	11.71	-36.20	-27.00	-9.20	HORIZONTAL
17966.00	-73.30	44.59	37.67	19.65	11.45	-35.28	-27.00	-8.28	HORIZONTAL
8004.00	-69.73	36.69	31.15	11.14	6.93	-46.12	-27.00	-19.12	VERTICAL
9364.00	-70.92	36.69	32.52	12.20	8.50	-46.05	-27.00	-19.05	VERTICAL
14039.00	-70.17	39.88	34.76	15.07	8.82	-41.16	-27.00	-14.16	VERTICAL
16011.00	-72.60	43.92	35.49	17.06	9.81	-37.30	-27.00	-10.30	VERTICAL
16555.00	-74.08	44.61	36.14	17.61	11.33	-36.67	-27.00	-9.67	VERTICAL
18000.00	-75.13	44.70	37.71	19.72	11.41	-37.01	-27.00	-10.01	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11a 5745MHz									
7681.00	-67.28	36.64	30.96	10.96	6.58	-44.06	-27.00	-17.06	HORIZONTAL
9449.00	-71.11	36.51	32.59	12.30	9.45	-45.44	-27.00	-18.44	HORIZONTAL
14056.00	-68.55	39.91	34.76	15.09	8.89	-39.42	-27.00	-12.42	HORIZONTAL
15909.00	-70.63	43.74	35.52	16.96	10.02	-35.43	-27.00	-8.43	HORIZONTAL
16555.00	-72.45	44.61	36.14	17.61	11.33	-35.04	-27.00	-8.04	HORIZONTAL
17915.00	-73.02	44.41	37.63	19.55	11.51	-35.18	-27.00	-8.18	HORIZONTAL
7749.00	-70.04	36.65	31.00	11.00	6.87	-46.52	-27.00	-19.52	VERTICAL
8905.00	-72.13	37.09	32.26	11.78	8.68	-46.84	-27.00	-19.84	VERTICAL
14090.00	-69.93	39.98	34.80	15.12	9.02	-40.61	-27.00	-13.61	VERTICAL
15756.00	-72.97	43.46	35.56	16.78	10.48	-37.81	-27.00	-10.81	VERTICAL
16555.00	-73.98	44.61	36.14	17.61	11.33	-36.57	-27.00	-9.57	VERTICAL
17966.00	-74.98	44.59	37.67	19.65	11.45	-36.96	-27.00	-9.96	VERTICAL
Tx mode 11a 5785MHz									
6950.00	-68.29	36.16	30.35	10.39	6.65	-45.44	-27.00	-18.44	HORIZONTAL
8956.00	-70.97	37.31	32.28	11.80	8.31	-45.83	-27.00	-18.83	HORIZONTAL
13376.00	-73.27	39.18	35.38	14.77	12.20	-42.50	-27.00	-15.50	HORIZONTAL
14260.00	-70.98	40.32	34.96	15.41	9.71	-40.50	-27.00	-13.50	HORIZONTAL
15909.00	-70.87	43.74	35.52	16.96	10.02	-35.67	-27.00	-8.67	HORIZONTAL
18000.00	-74.22	44.70	37.71	19.72	11.41	-36.10	-27.00	-9.10	HORIZONTAL
8004.00	-67.53	36.69	31.15	11.14	6.93	-43.92	-27.00	-16.92	VERTICAL
10384.00	-72.20	36.51	33.17	12.64	9.53	-46.69	-27.00	-19.69	VERTICAL
14056.00	-68.94	39.91	34.76	15.09	8.89	-39.81	-27.00	-12.81	VERTICAL
15824.00	-72.03	43.59	35.55	16.86	10.27	-36.86	-27.00	-9.86	VERTICAL
16674.00	-73.03	44.42	36.34	17.81	11.67	-35.47	-27.00	-8.47	VERTICAL
17575.00	-72.82	43.26	37.31	18.90	11.90	-36.07	-27.00	-9.07	VERTICAL
Tx mode 11a 5825MHz									
7936.00	-69.80	36.69	31.11	11.10	7.45	-45.67	-27.00	-18.67	HORIZONTAL
9041.00	-70.45	37.41	32.34	11.85	7.54	-45.99	-27.00	-18.99	HORIZONTAL
13954.00	-68.80	39.75	34.76	14.97	8.97	-39.87	-27.00	-12.87	HORIZONTAL
15671.00	-72.35	43.31	35.60	16.69	10.74	-37.21	-27.00	-10.21	HORIZONTAL
16691.00	-73.19	44.39	36.34	17.84	11.71	-35.59	-27.00	-8.59	HORIZONTAL
18000.00	-74.29	44.70	37.71	19.72	11.41	-36.17	-27.00	-9.17	HORIZONTAL
7936.00	-69.74	36.69	31.11	11.10	7.45	-45.61	-27.00	-18.61	VERTICAL
9364.00	-71.68	36.69	32.52	12.20	8.50	-46.81	-27.00	-19.81	VERTICAL
13971.00	-69.14	39.77	34.76	14.97	8.87	-40.29	-27.00	-13.29	VERTICAL
15909.00	-71.65	43.74	35.52	16.96	10.02	-36.45	-27.00	-9.45	VERTICAL
16555.00	-73.18	44.61	36.14	17.61	11.33	-35.77	-27.00	-8.77	VERTICAL
18000.00	-74.39	44.70	37.71	19.72	11.41	-36.27	-27.00	-9.27	VERTICAL

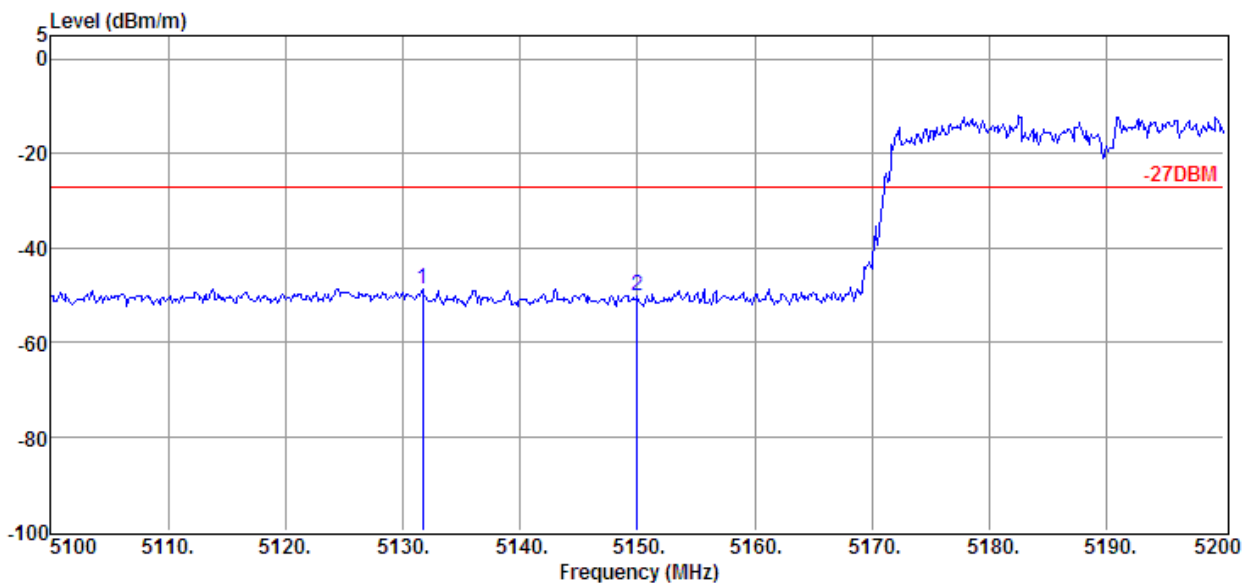
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.3. 802.11n HT40 MODE

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 40 5190MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 33



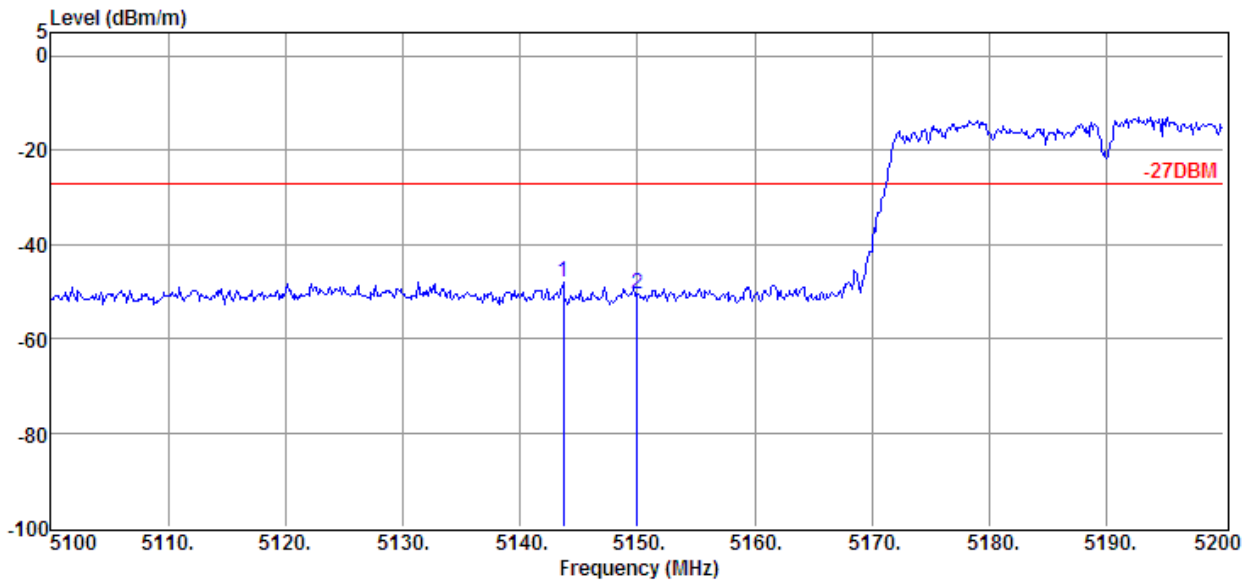
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5131.70	-70.77	33.97	29.34	8.80	8.71	-48.63	-27.00	-21.63	EIRP
2	5150.00	-72.24	34.01	29.33	8.84	8.56	-50.16	-27.00	-23.16	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5190MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 34



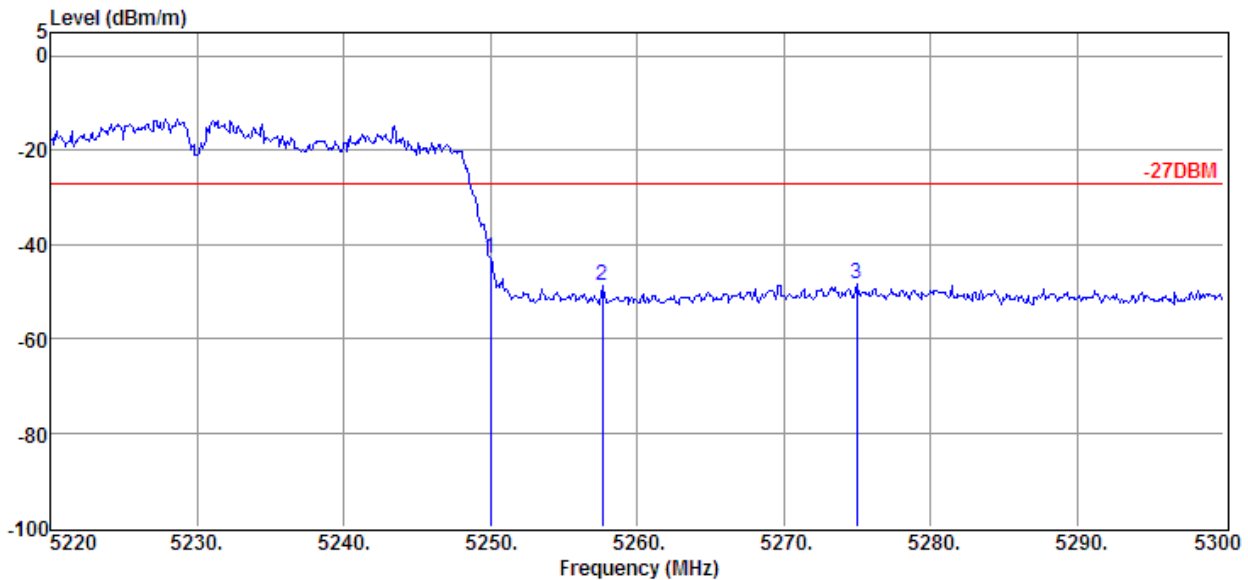
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5143.70	-70.20	34.00	29.33	8.84	8.56	-48.13	-27.00	-21.13	EIRP
2	5150.00	-72.59	34.01	29.33	8.84	8.56	-50.51	-27.00	-23.51	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5230MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 35



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-64.65	34.21	29.32	8.93	7.97	-42.86	-27.00	-15.86	EIRP
2	5257.60	-70.52	34.23	29.32	8.93	7.97	-48.71	-27.00	-21.71	EIRP
3	5274.96	-70.09	34.26	29.31	8.96	7.93	-48.25	-27.00	-21.25	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

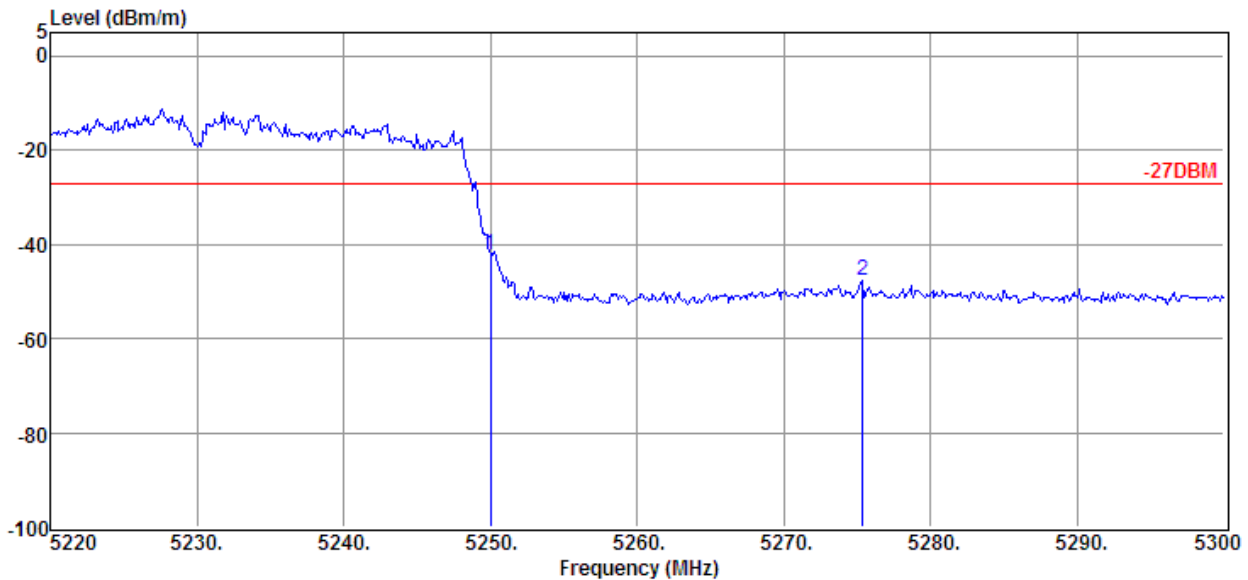
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V Test Mode : Tx mode 11n 40 5230MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 36



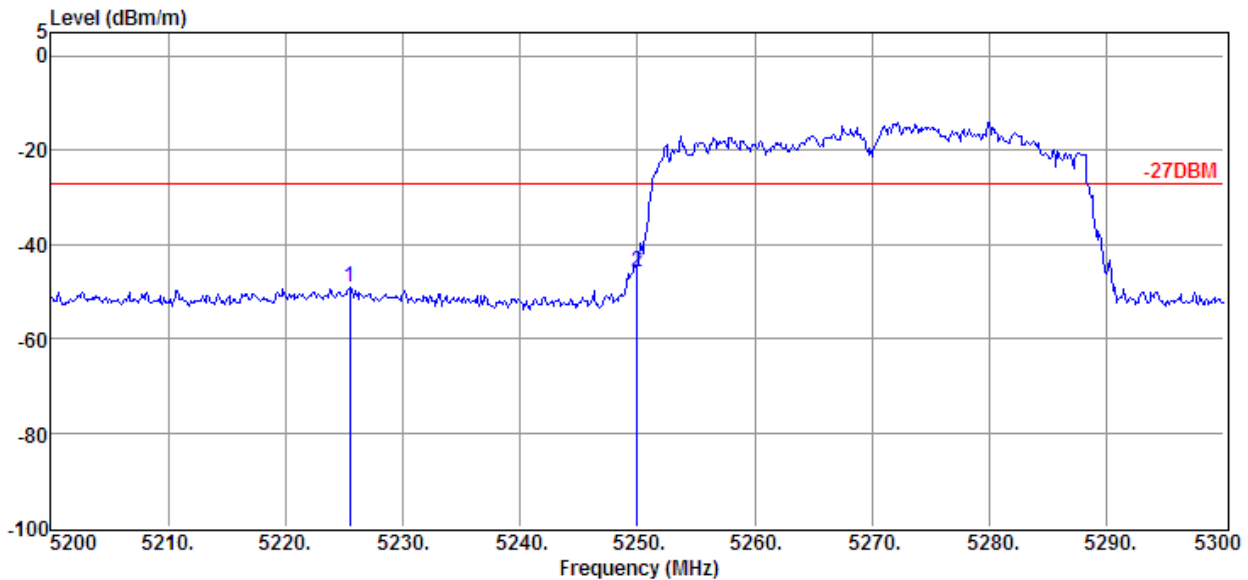
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5250.00	-63.97	34.21	29.32	8.93	7.97	-42.18	-27.00	-15.18	EIRP
2	5275.36	-69.66	34.26	29.31	8.96	7.93	-47.82	-27.00	-20.82	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5270MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 37



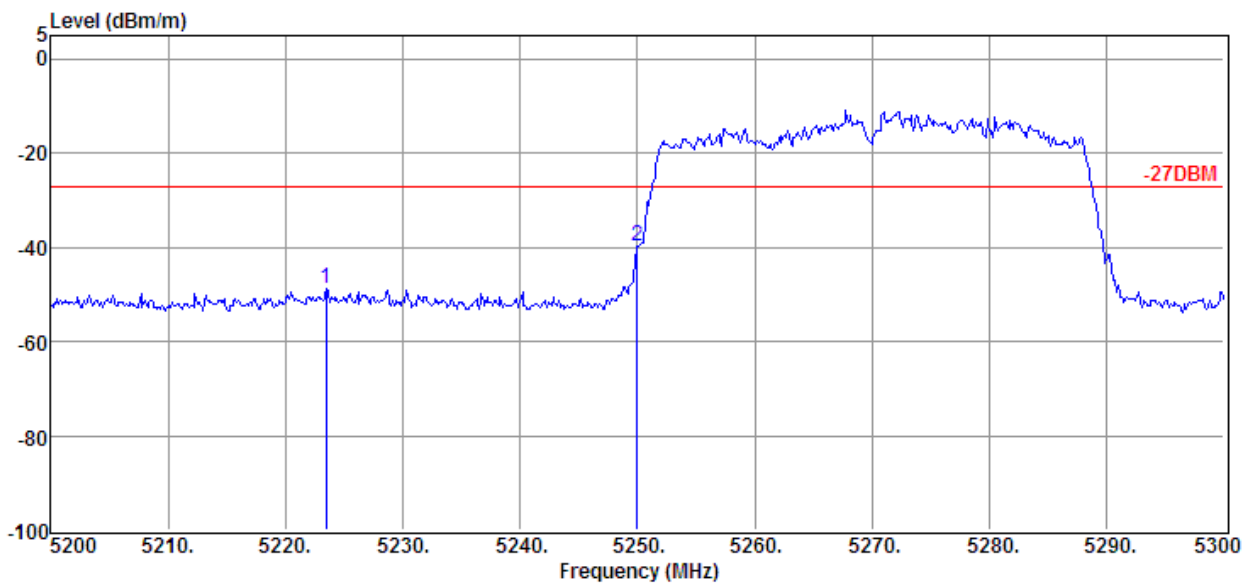
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5225.50	-70.92	34.16	29.32	8.91	8.02	-49.15	-27.00	-22.15	EIRP
2	5250.00	-67.73	34.21	29.32	8.93	7.97	-45.94	-27.00	-18.94	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 40 5270MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 38



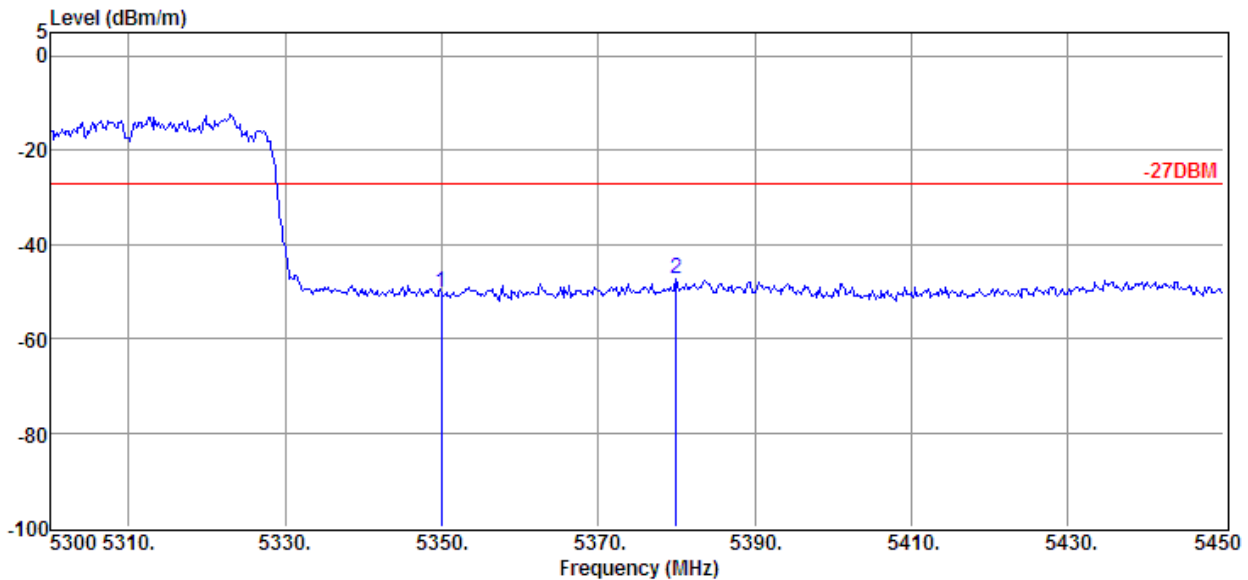
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5223.50	-70.49	34.16	29.32	8.91	8.07	-48.67	-27.00	-21.67	EIRP
2	5250.00	-61.60	34.21	29.32	8.93	7.97	-39.81	-27.00	-12.81	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5310MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 39



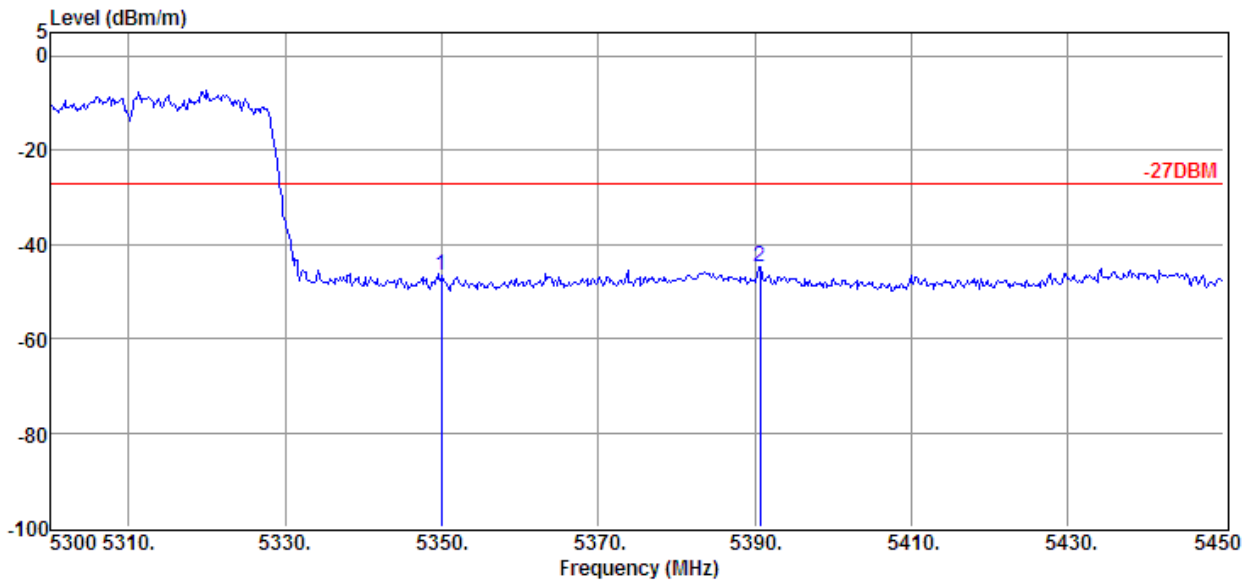
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-71.69	34.41	29.30	9.03	7.45	-50.10	-27.00	-23.10	EIRP
2	5379.95	-68.65	34.47	29.30	9.05	7.20	-47.23	-27.00	-20.23	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5310MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 40



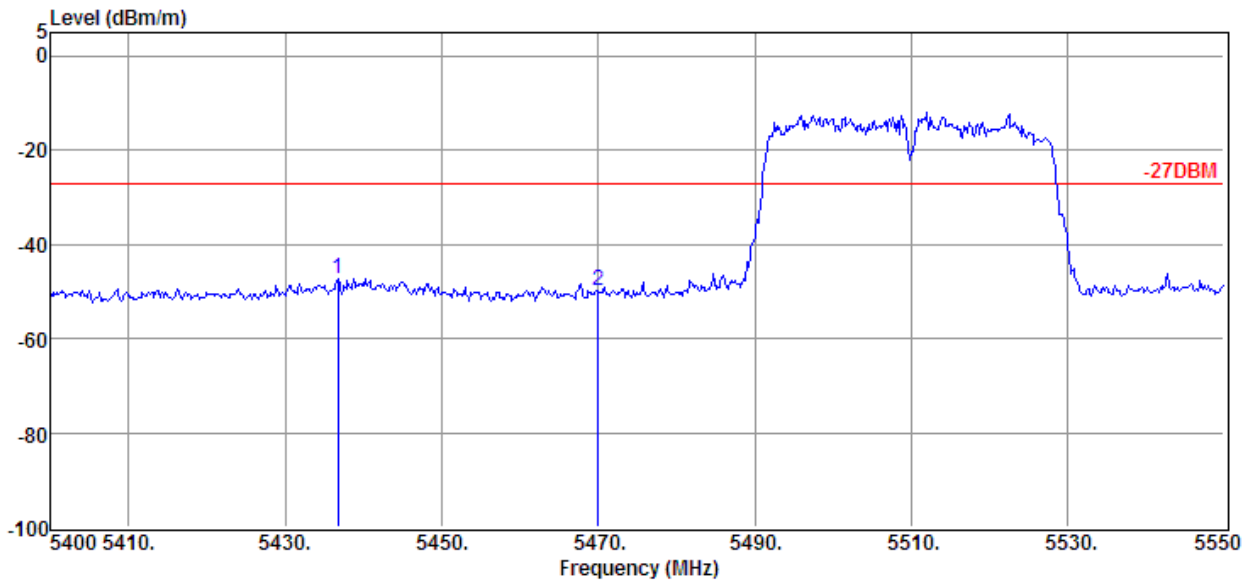
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5350.00	-68.06	34.41	29.30	9.03	7.45	-46.47	-27.00	-19.47	EIRP
2	5390.75	-66.38	34.49	29.30	9.09	7.20	-44.90	-27.00	-17.90	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5510MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 41



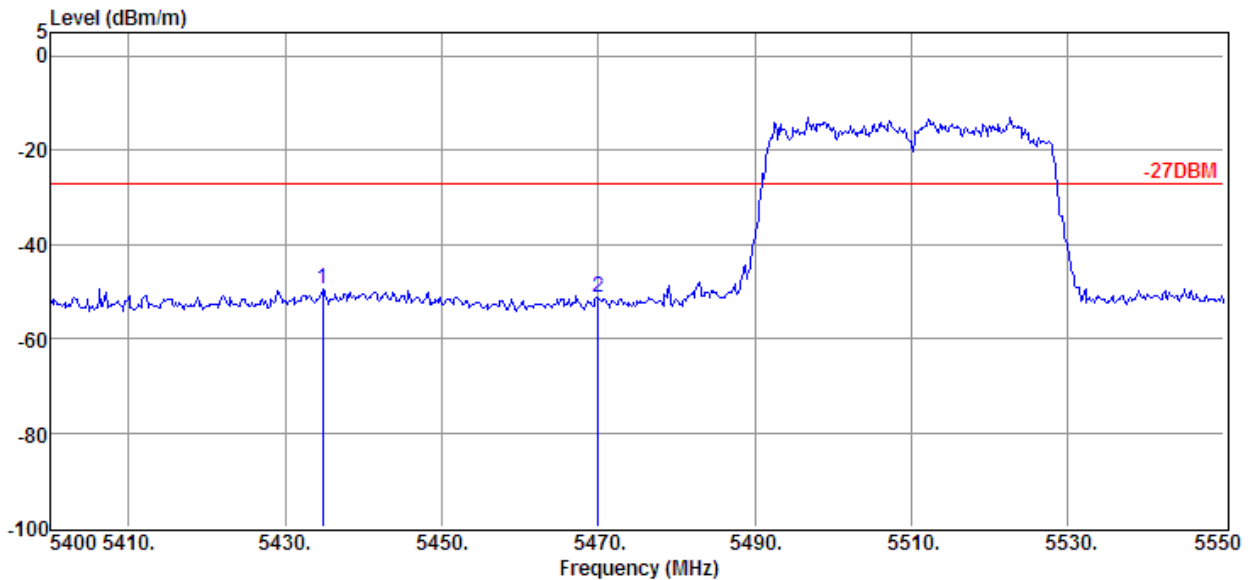
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5436.75	-68.83	34.58	29.28	9.14	7.08	-47.31	-27.00	-20.31	EIRP
2	5470.00	-71.34	34.64	29.27	9.16	7.10	-49.71	-27.00	-22.71	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 40 5510MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 42



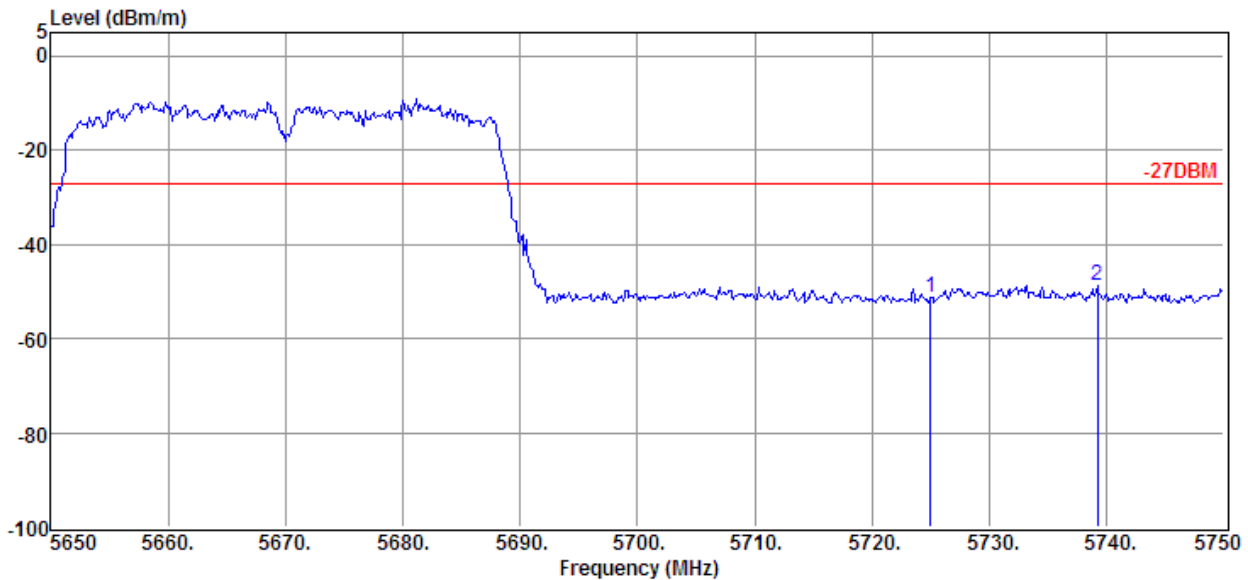
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5434.80	-71.10	34.57	29.28	9.11	7.08	-49.62	-27.00	-22.62	EIRP
2	5470.00	-72.85	34.64	29.27	9.16	7.10	-51.22	-27.00	-24.22	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V Test Mode : Tx mode 11n 40 5670MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 43



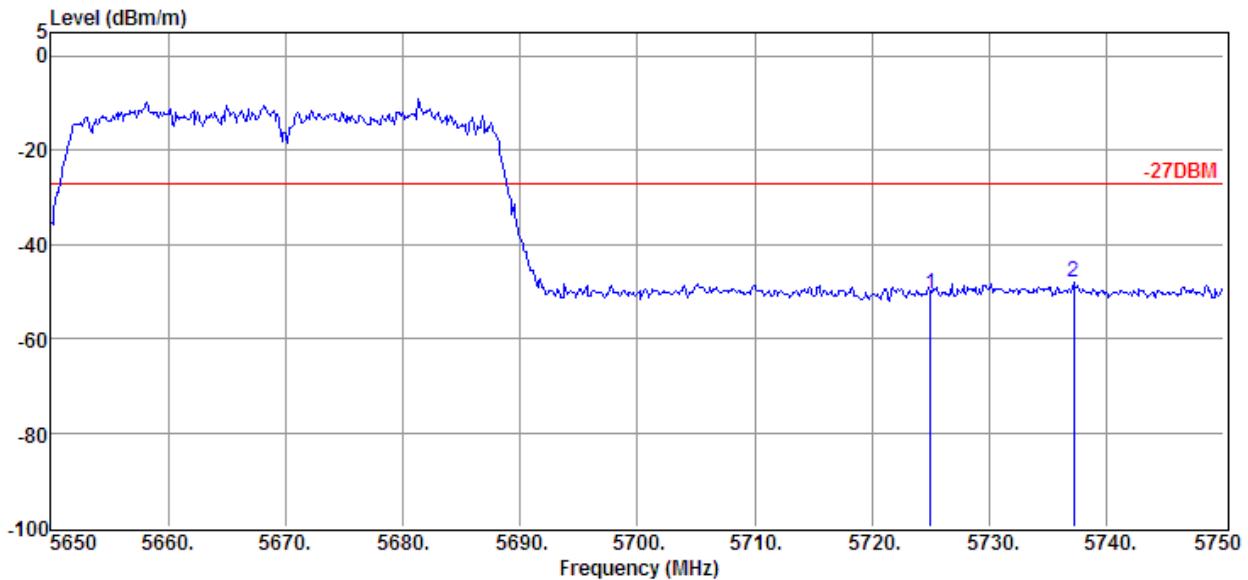
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5725.00	-73.72	34.84	29.22	9.41	7.44	-51.25	-27.00	-24.25	EIRP
2	5739.20	-71.50	34.85	29.21	9.43	7.51	-48.92	-27.00	-21.92	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5670MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 44



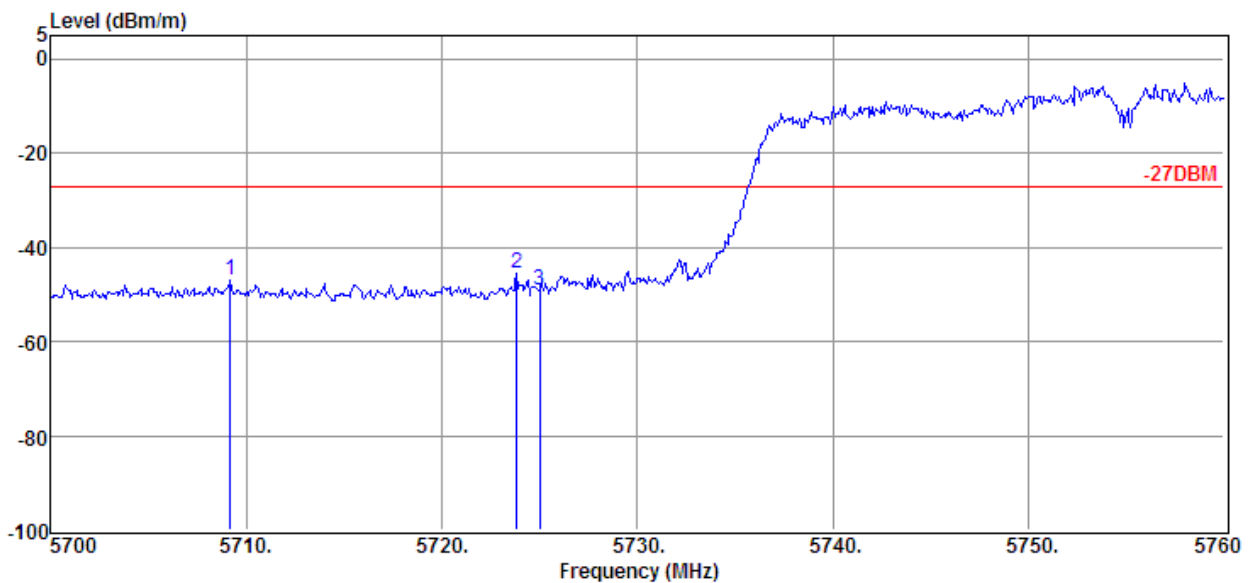
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5725.00	-73.19	34.84	29.22	9.41	7.44	-50.72	-27.00	-23.72	EIRP
2	5737.20	-70.47	34.85	29.21	9.43	7.51	-47.89	-27.00	-20.89	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 40 5755MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/VERTICAL
Memo :

Data: 45



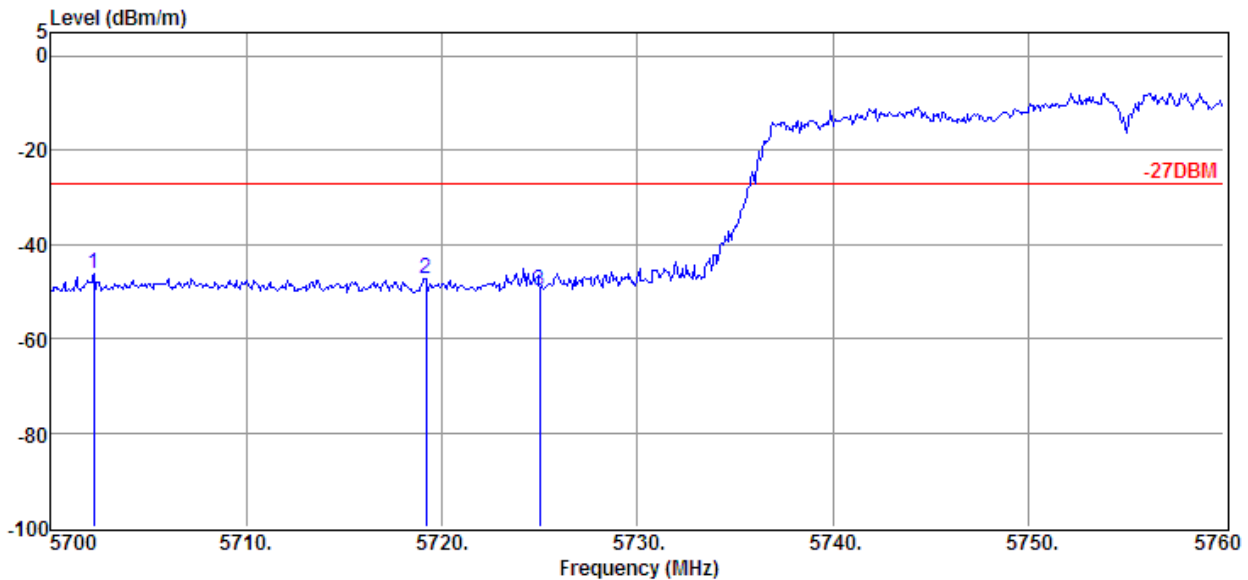
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5709.18	-69.48	34.83	29.22	9.38	7.37	-47.12	-27.00	-20.12	EIRP
2	5723.82	-68.04	34.84	29.22	9.41	7.44	-45.57	-27.00	-18.57	EIRP
3	5725.00	-71.53	34.84	29.22	9.41	7.44	-49.06	-27.00	-22.06	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V **Test Mode** : Tx mode 11n 40 5755MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa **Antenna/Distance** : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 46



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5702.22	-68.56	34.82	29.22	9.38	7.37	-46.21	-27.00	-19.21	EIRP
2	5719.20	-69.63	34.83	29.22	9.41	7.44	-47.17	-27.00	-20.17	EIRP
3	5725.00	-72.26	34.84	29.22	9.41	7.44	-49.79	-27.00	-22.79	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

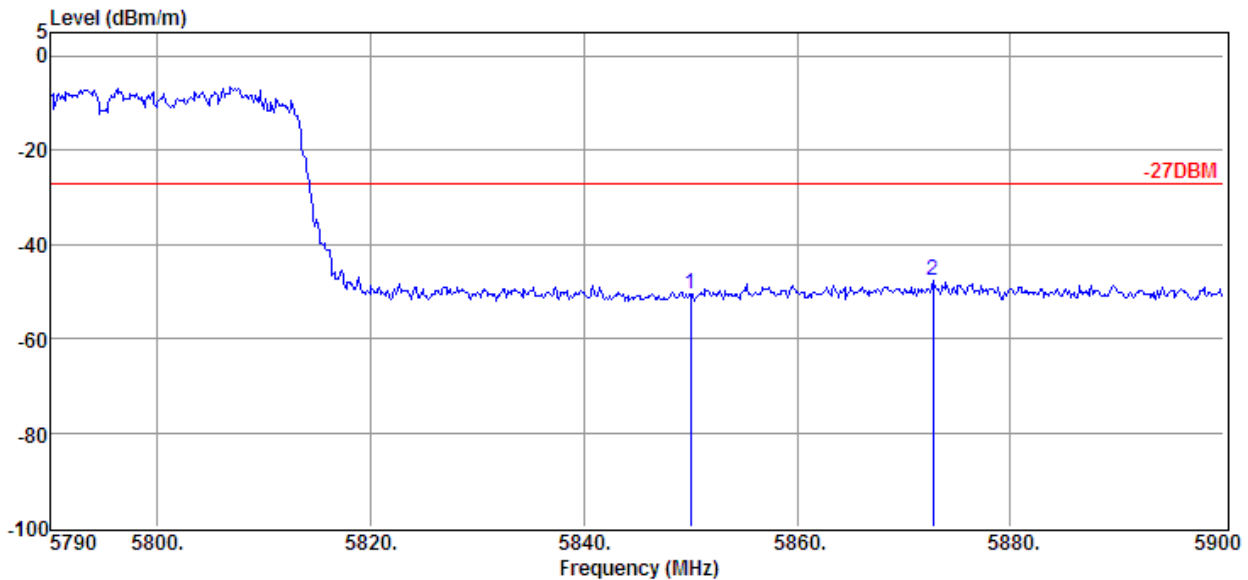
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5795MHz
Condition : Temp:24.5'C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/VERTICAL
Memo :

Data: 47



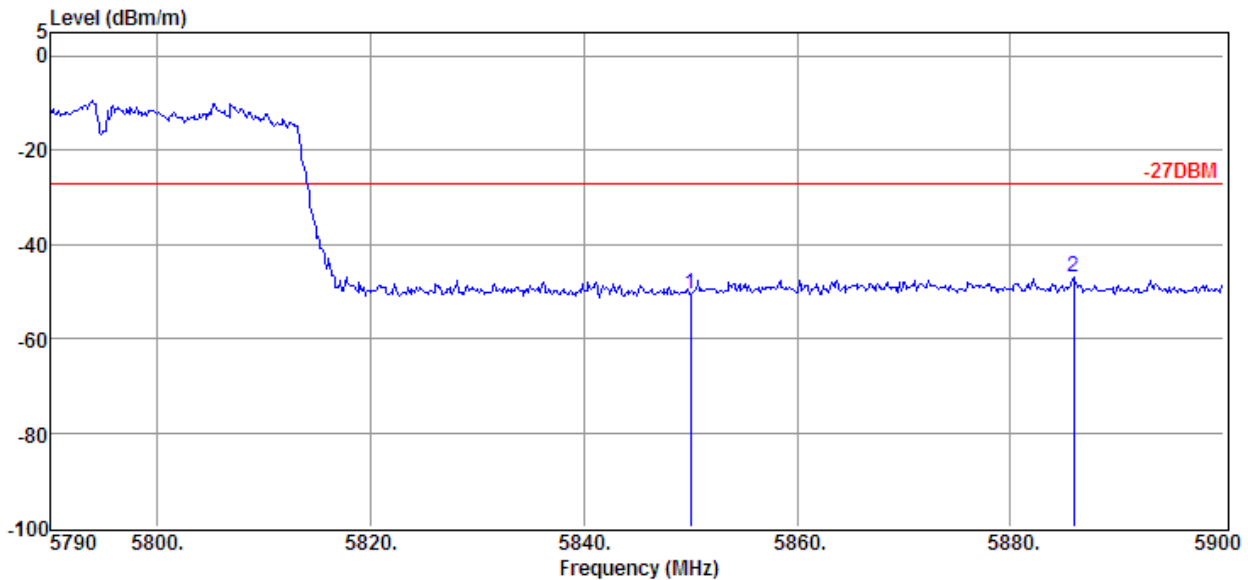
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-73.62	34.91	29.20	9.54	7.67	-50.70	-27.00	-23.70	EIRP
2	5872.72	-70.60	34.93	29.20	9.56	7.64	-47.67	-27.00	-20.67	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Spurious Emission Test Result

Power Supply : DC 3.7V
Test Mode : Tx mode 11n 40 5795MHz
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Antenna/Distance : 2016 HF907/3m/HORIZONTAL
Memo :

Data: 48



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Site Loss	Result Level	Limit Line	Over Limit	Type
(Mark)	(MHz)	(dBm)	(dB/m)	dB	dB	dB	(dBm)	(dBm)	(dB)	
1	5850.00	-73.66	34.91	29.20	9.54	7.67	-50.74	-27.00	-23.74	EIRP
2	5885.92	-70.07	34.93	29.20	9.59	7.64	-47.11	-27.00	-20.11	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

SPURIOUS EMISSIONS

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11n 40 5190MHz									
6916.00	-67.25	36.13	30.33	10.35	6.71	-44.39	-27.00	-17.39	HORIZONTAL
8769.00	-70.24	36.50	32.13	11.73	9.59	-44.55	-27.00	-17.55	HORIZONTAL
14039.00	-68.27	39.88	34.76	15.07	8.82	-39.26	-27.00	-12.26	HORIZONTAL
15705.00	-70.91	43.37	35.58	16.73	10.63	-35.76	-27.00	-8.76	HORIZONTAL
16640.00	-71.92	44.47	36.28	17.74	11.57	-34.42	-27.00	-7.42	HORIZONTAL
18000.00	-73.12	44.70	37.71	19.72	11.41	-35.00	-27.00	-8.00	HORIZONTAL
7120.00	-69.15	36.30	30.44	10.55	6.80	-45.94	-27.00	-18.94	VERTICAL
9160.00	-69.64	37.14	32.39	11.99	7.24	-45.66	-27.00	-18.66	VERTICAL
14039.00	-69.34	39.88	34.76	15.07	8.82	-40.33	-27.00	-13.33	VERTICAL
15977.00	-73.08	43.86	35.49	17.02	9.81	-37.88	-27.00	-10.88	VERTICAL
16504.00	-73.68	44.69	36.06	17.51	11.19	-36.35	-27.00	-9.35	VERTICAL
18000.00	-74.05	44.70	37.71	19.72	11.41	-35.93	-27.00	-8.93	VERTICAL
Tx mode 11n 40 5230MHz									
7936.00	-68.08	36.69	31.11	11.10	7.45	-43.95	-27.00	-16.95	HORIZONTAL
8905.00	-69.25	37.09	32.26	11.78	8.68	-43.96	-27.00	-16.96	HORIZONTAL
13954.00	-67.78	39.75	34.76	14.97	8.97	-38.85	-27.00	-11.85	HORIZONTAL
15926.00	-70.21	43.77	35.50	16.98	9.97	-34.99	-27.00	-7.99	HORIZONTAL
16351.00	-71.21	44.46	35.86	17.37	10.76	-34.48	-27.00	-7.48	HORIZONTAL
18000.00	-73.20	44.70	37.71	19.72	11.41	-35.08	-27.00	-8.08	HORIZONTAL
7681.00	-68.41	36.64	30.96	10.96	6.58	-45.19	-27.00	-18.19	VERTICAL
8905.00	-70.25	37.09	32.26	11.78	8.68	-44.96	-27.00	-17.96	VERTICAL
13954.00	-68.78	39.75	34.76	14.97	8.97	-39.85	-27.00	-12.85	VERTICAL
15926.00	-71.21	43.77	35.50	16.98	9.97	-35.99	-27.00	-8.99	VERTICAL
16419.00	-72.87	44.57	35.92	17.43	10.95	-35.84	-27.00	-8.84	VERTICAL
18000.00	-74.20	44.70	37.71	19.72	11.41	-36.08	-27.00	-9.08	VERTICAL
Tx mode 11n 40 5270MHz									
7426.00	-68.68	36.54	30.70	10.80	6.36	-45.68	-27.00	-18.68	HORIZONTAL
9041.00	-70.55	37.41	32.34	11.85	7.54	-46.09	-27.00	-19.09	HORIZONTAL
14039.00	-69.72	39.88	34.76	15.07	8.82	-40.71	-27.00	-13.71	HORIZONTAL
15739.00	-71.01	43.43	35.56	16.77	10.53	-35.84	-27.00	-8.84	HORIZONTAL
16606.00	-73.06	44.53	36.21	17.67	11.47	-35.60	-27.00	-8.60	HORIZONTAL
18000.00	-74.35	44.70	37.71	19.72	11.41	-36.23	-27.00	-9.23	HORIZONTAL
6916.00	-69.14	36.13	30.33	10.35	6.71	-46.28	-27.00	-19.28	VERTICAL
8225.00	-67.70	36.06	31.33	11.36	5.80	-45.81	-27.00	-18.81	VERTICAL
14039.00	-69.42	39.88	34.76	15.07	8.82	-40.41	-27.00	-13.41	VERTICAL
15790.00	-72.38	43.53	35.55	16.82	10.38	-37.20	-27.00	-10.20	VERTICAL
16521.00	-73.23	44.67	36.06	17.54	11.24	-35.84	-27.00	-8.84	VERTICAL
17966.00	-73.93	44.59	37.67	19.65	11.45	-35.91	-27.00	-8.91	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.

2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11n 40 5310MHz									
6950.00	-69.02	36.16	30.35	10.39	6.65	-46.17	-27.00	-19.17	HORIZONTAL
8004.00	-69.28	36.69	31.15	11.14	6.93	-45.67	-27.00	-18.67	HORIZONTAL
14039.00	-69.67	39.88	34.76	15.07	8.82	-40.66	-27.00	-13.66	HORIZONTAL
15994.00	-72.27	43.89	35.49	17.04	9.76	-37.07	-27.00	-10.07	HORIZONTAL
16555.00	-72.35	44.61	36.14	17.61	11.33	-34.94	-27.00	-7.94	HORIZONTAL
17966.00	-74.17	44.59	37.67	19.65	11.45	-36.15	-27.00	-9.15	HORIZONTAL
7086.00	-68.98	36.27	30.42	10.51	6.70	-45.92	-27.00	-18.92	VERTICAL
8990.00	-71.04	37.46	32.32	11.81	8.06	-46.03	-27.00	-19.03	VERTICAL
14056.00	-69.69	39.91	34.76	15.09	8.89	-40.56	-27.00	-13.56	VERTICAL
15926.00	-72.72	43.77	35.50	16.98	9.97	-37.50	-27.00	-10.50	VERTICAL
16691.00	-73.82	44.39	36.34	17.84	11.71	-36.22	-27.00	-9.22	VERTICAL
18000.00	-74.37	44.70	37.71	19.72	11.41	-36.25	-27.00	-9.25	VERTICAL
Tx mode 11n 40 5510MHz									
7171.00	-69.14	36.34	30.48	10.57	7.03	-45.68	-27.00	-18.68	HORIZONTAL
9024.00	-70.65	37.45	32.33	11.85	7.74	-45.94	-27.00	-18.94	HORIZONTAL
14209.00	-70.70	40.22	34.92	15.32	9.51	-40.57	-27.00	-13.57	HORIZONTAL
15790.00	-72.28	43.53	35.55	16.82	10.38	-37.10	-27.00	-10.10	HORIZONTAL
16640.00	-73.71	44.47	36.28	17.74	11.57	-36.21	-27.00	-9.21	HORIZONTAL
18000.00	-74.38	44.70	37.71	19.72	11.41	-36.26	-27.00	-9.26	HORIZONTAL
7511.00	-67.76	36.60	30.81	10.86	6.11	-45.00	-27.00	-18.00	VERTICAL
9381.00	-70.84	36.66	32.54	12.22	8.63	-45.87	-27.00	-18.87	VERTICAL
13495.00	-73.01	39.30	35.22	14.80	11.53	-42.60	-27.00	-15.60	VERTICAL
14005.00	-68.81	39.81	34.73	15.01	8.68	-40.04	-27.00	-13.04	VERTICAL
16045.00	-71.76	43.97	35.53	17.09	9.90	-36.33	-27.00	-9.33	VERTICAL
16555.00	-73.24	44.61	36.14	17.61	11.33	-35.83	-27.00	-8.83	VERTICAL
Tx mode 11n 40 5550MHz									
7766.00	-69.30	36.65	31.02	11.00	6.94	-45.73	-27.00	-18.73	HORIZONTAL
12560.00	-75.20	38.36	35.31	14.64	12.95	-44.56	-27.00	-17.56	HORIZONTAL
14209.00	-70.14	40.22	34.92	15.32	9.51	-40.01	-27.00	-13.01	HORIZONTAL
15756.00	-72.19	43.46	35.56	16.78	10.48	-37.03	-27.00	-10.03	HORIZONTAL
16521.00	-72.41	44.67	36.06	17.54	11.24	-35.02	-27.00	-8.02	HORIZONTAL
18000.00	-74.77	44.70	37.71	19.72	11.41	-36.65	-27.00	-9.65	HORIZONTAL
7715.00	-69.65	36.64	30.99	10.98	6.72	-46.30	-27.00	-19.30	VERTICAL
8735.00	-71.97	36.35	32.10	11.72	9.42	-46.58	-27.00	-19.58	VERTICAL
14039.00	-69.62	39.88	34.76	15.07	8.82	-40.61	-27.00	-13.61	VERTICAL
15960.00	-72.26	43.83	35.50	17.00	9.86	-37.07	-27.00	-10.07	VERTICAL
16640.00	-73.87	44.47	36.28	17.74	11.57	-36.37	-27.00	-9.37	VERTICAL
18000.00	-75.03	44.70	37.71	19.72	11.41	-36.91	-27.00	-9.91	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Freq. (MHz)	Read Level (dBm)	Antenn a Factor (dB/m)	PRM Facto r dB	Cable Loss dB	Site Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Type
Tx mode 11n 40 5670MHz									
7800.00	-68.52	36.66	31.04	11.02	7.09	-44.79	-27.00	-17.79	HORIZONTAL
9891.00	-71.39	36.79	32.88	12.42	8.93	-46.13	-27.00	-19.13	HORIZONTAL
13920.00	-69.64	39.72	34.78	14.95	9.16	-40.59	-27.00	-13.59	HORIZONTAL
15195.00	-73.89	42.09	35.83	16.44	12.17	-39.02	-27.00	-12.02	HORIZONTAL
15790.00	-71.23	43.53	35.55	16.82	10.38	-36.05	-27.00	-9.05	HORIZONTAL
18000.00	-73.95	44.70	37.71	19.72	11.41	-35.83	-27.00	-8.83	HORIZONTAL
6916.00	-68.13	36.13	30.33	10.35	6.71	-45.27	-27.00	-18.27	VERTICAL
8990.00	-70.94	37.46	32.32	11.81	8.06	-45.93	-27.00	-18.93	VERTICAL
14124.00	-69.39	40.05	34.84	15.18	9.16	-39.84	-27.00	-12.84	VERTICAL
15909.00	-71.41	43.74	35.52	16.96	10.02	-36.21	-27.00	-9.21	VERTICAL
16640.00	-73.79	44.47	36.28	17.74	11.57	-36.29	-27.00	-9.29	VERTICAL
18000.00	-74.52	44.70	37.71	19.72	11.41	-36.40	-27.00	-9.40	VERTICAL
Tx mode 11n 40 5755MHz									
8004.00	-68.68	36.69	31.15	11.14	6.93	-45.07	-27.00	-18.07	HORIZONTAL
8990.00	-71.27	37.46	32.32	11.81	8.06	-46.26	-27.00	-19.26	HORIZONTAL
14124.00	-69.63	40.05	34.84	15.18	9.16	-40.08	-27.00	-13.08	HORIZONTAL
15960.00	-71.88	43.83	35.50	17.00	9.86	-36.69	-27.00	-9.69	HORIZONTAL
16589.00	-73.34	44.56	36.21	17.64	11.43	-35.92	-27.00	-8.92	HORIZONTAL
18000.00	-74.39	44.70	37.71	19.72	11.41	-36.27	-27.00	-9.27	HORIZONTAL
7375.00	-68.78	36.50	30.63	10.75	6.62	-45.54	-27.00	-18.54	VERTICAL
8089.00	-68.44	36.44	31.20	11.21	6.45	-45.54	-27.00	-18.54	VERTICAL
14090.00	-69.67	39.98	34.80	15.12	9.02	-40.35	-27.00	-13.35	VERTICAL
16164.00	-71.91	44.17	35.65	17.20	10.24	-35.95	-27.00	-8.95	VERTICAL
16606.00	-73.56	44.53	36.21	17.67	11.47	-36.10	-27.00	-9.10	VERTICAL
17966.00	-74.57	44.59	37.67	19.65	11.45	-36.55	-27.00	-9.55	VERTICAL
Tx mode 11n 40 5795MHz									
7851.00	-69.34	36.67	31.07	11.05	7.40	-45.29	-27.00	-18.29	HORIZONTAL
8905.00	-70.73	37.09	32.26	11.78	8.68	-45.44	-27.00	-18.44	HORIZONTAL
13954.00	-68.97	39.75	34.76	14.97	8.97	-40.04	-27.00	-13.04	HORIZONTAL
15926.00	-72.08	43.77	35.50	16.98	9.97	-36.86	-27.00	-9.86	HORIZONTAL
16674.00	-72.62	44.42	36.34	17.81	11.67	-35.06	-27.00	-8.06	HORIZONTAL
18000.00	-74.19	44.70	37.71	19.72	11.41	-36.07	-27.00	-9.07	HORIZONTAL
6950.00	-67.96	36.16	30.35	10.39	6.65	-45.11	-27.00	-18.11	VERTICAL
9041.00	-69.82	37.41	32.34	11.85	7.54	-45.36	-27.00	-18.36	VERTICAL
14039.00	-69.41	39.88	34.76	15.07	8.82	-40.40	-27.00	-13.40	VERTICAL
15909.00	-72.56	43.74	35.52	16.96	10.02	-37.36	-27.00	-10.36	VERTICAL
16606.00	-73.11	44.53	36.21	17.67	11.47	-35.65	-27.00	-8.65	VERTICAL
17915.00	-73.68	44.41	37.63	19.55	11.51	-35.84	-27.00	-8.84	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7. RADIATED TEST RESULTS

7.1. LIMITS AND PROCEDURE

LIMITS

Please refer to FCC §15.205 and §15.209

Please refer to IC RSS-GEN Clause 8.9 (Transmitter)

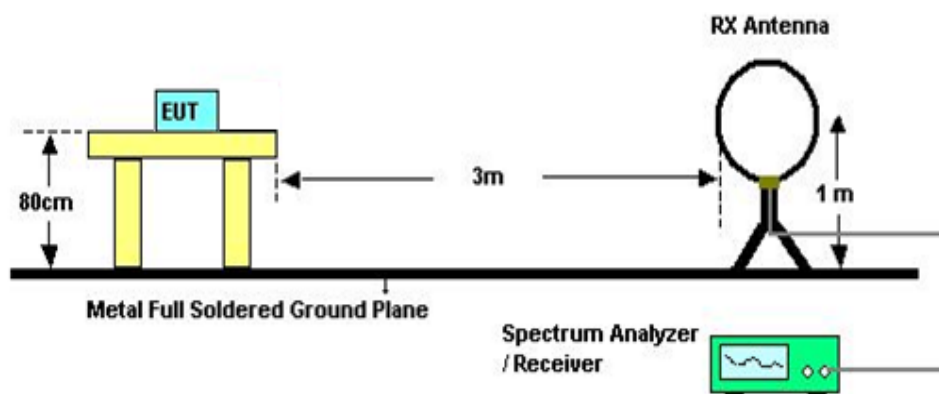
LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1GHz)			
Frequency Range (MHz) 30 - 88	Field Strength Limit (uV/m) at 3 m 100	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

TEST SETUP AND PROCEDURE

Below 30MHz

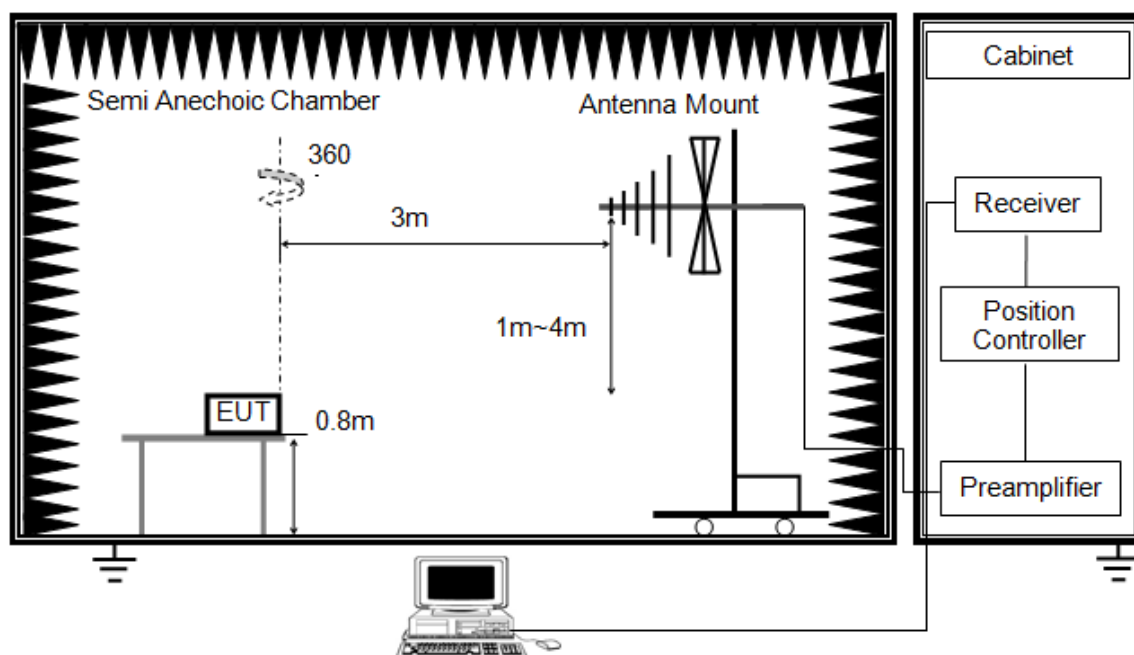


The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

Below 1G

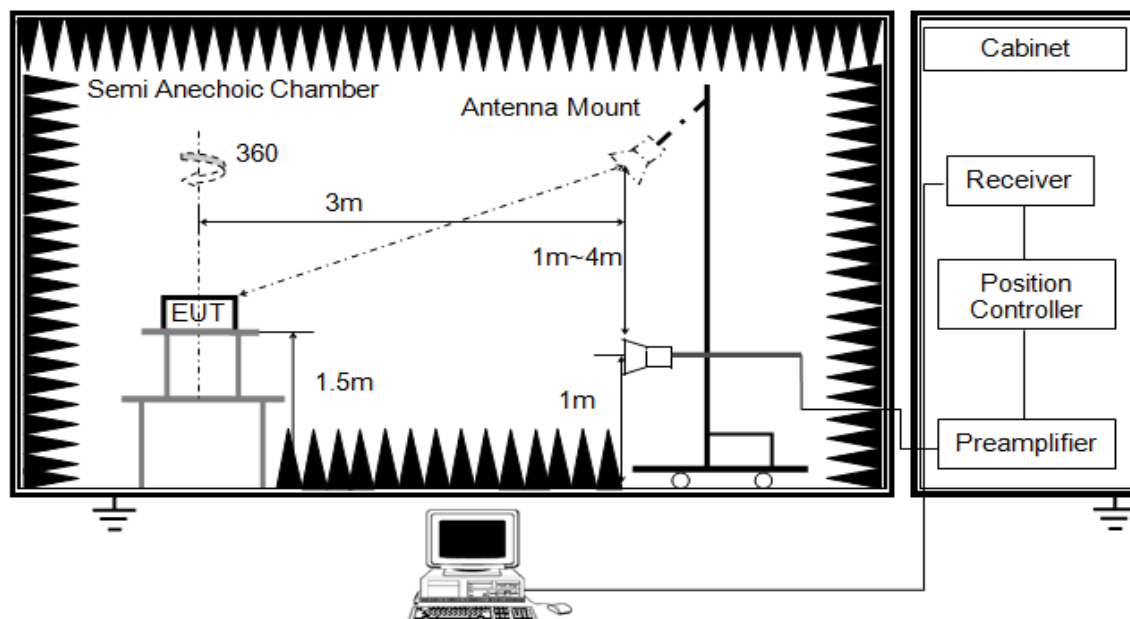


The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration)

ABOVE 1G



The setting of the spectrum analyser

RBW	1M
VBW	3M
Sweep	Auto
Detector	Peak and CISPR Average
Trace	Max hold

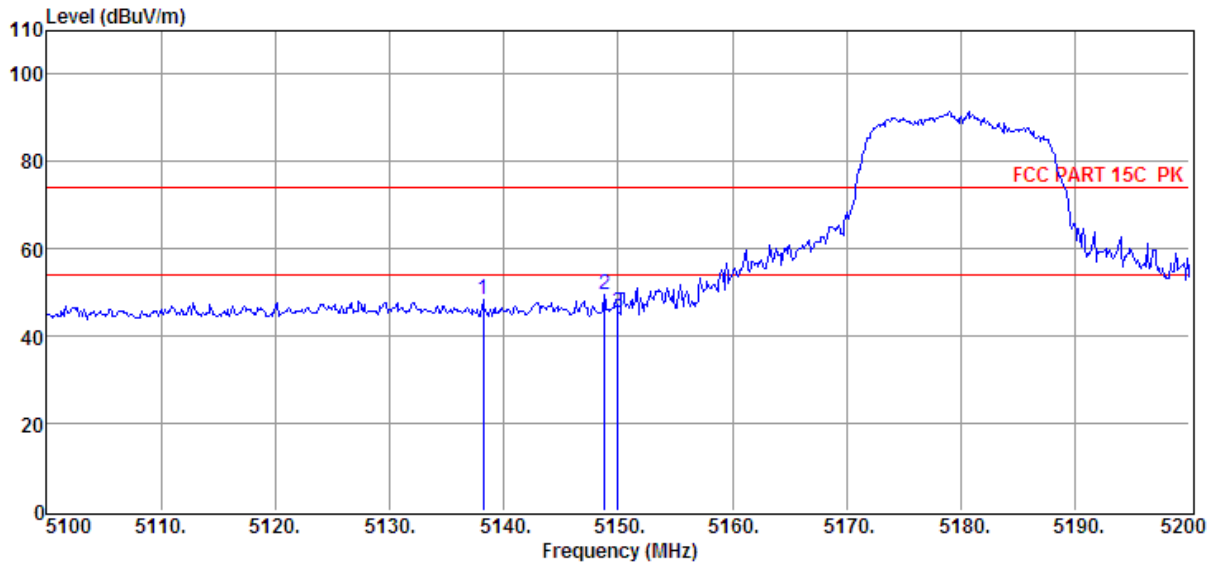
1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For average power measurement, set the VBW to 10 Hz, while maintaining all of the other instrument settings, if the duty cycle of the EUT is less than 98%, the Duty Cycle Correction Factor shall be added to the measured emission levels. For the Duty Cycle and Correction Factor please refer to clause 6.1.ON TIME AND DUTY CYCLE.
8. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

7.2. RESTRICTED BANDEDGE

7.2.1. 802.11a MODE

7.2.1.1. UNII-1 BAND

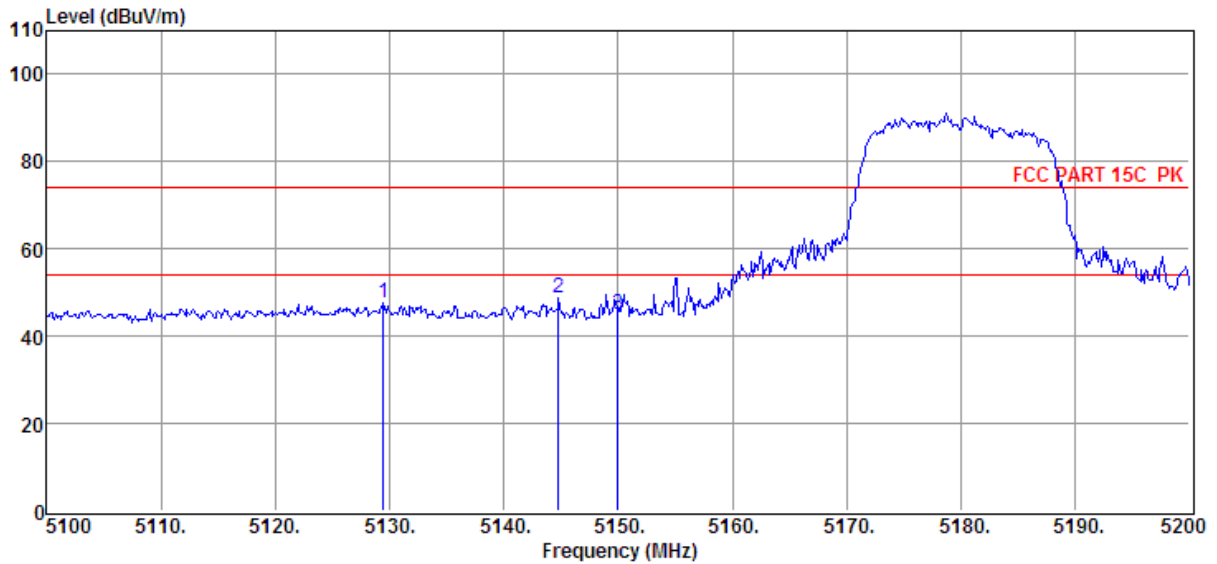
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5138.20	34.88	33.99	29.34	8.84	48.37	74.00	-25.63	Peak	HORIZONTAL
2	5148.80	35.85	34.01	29.33	8.84	49.37	74.00	-24.63	Peak	HORIZONTAL
3	5150.00	31.75	34.01	29.33	8.84	45.27	74.00	-28.73	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

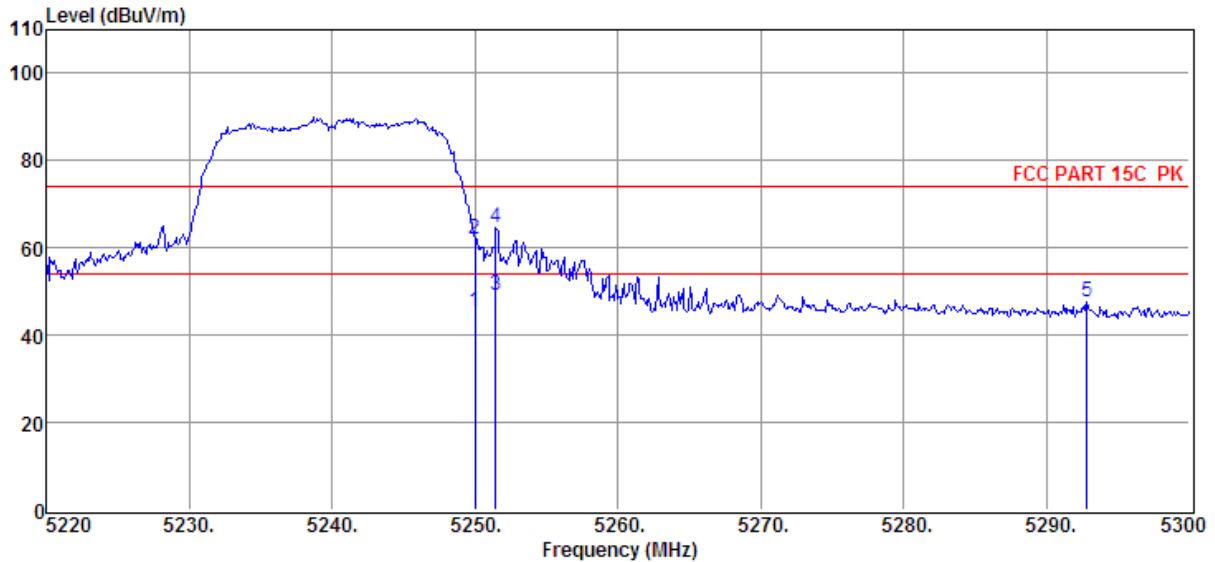
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5129.50	34.36	33.97	29.34	8.80	47.79	74.00	-26.21	Peak	VERTICAL
2	5144.80	35.15	34.00	29.33	8.84	48.66	74.00	-25.34	Peak	VERTICAL
3	5150.00	31.39	34.01	29.33	8.84	44.91	74.00	-29.09	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

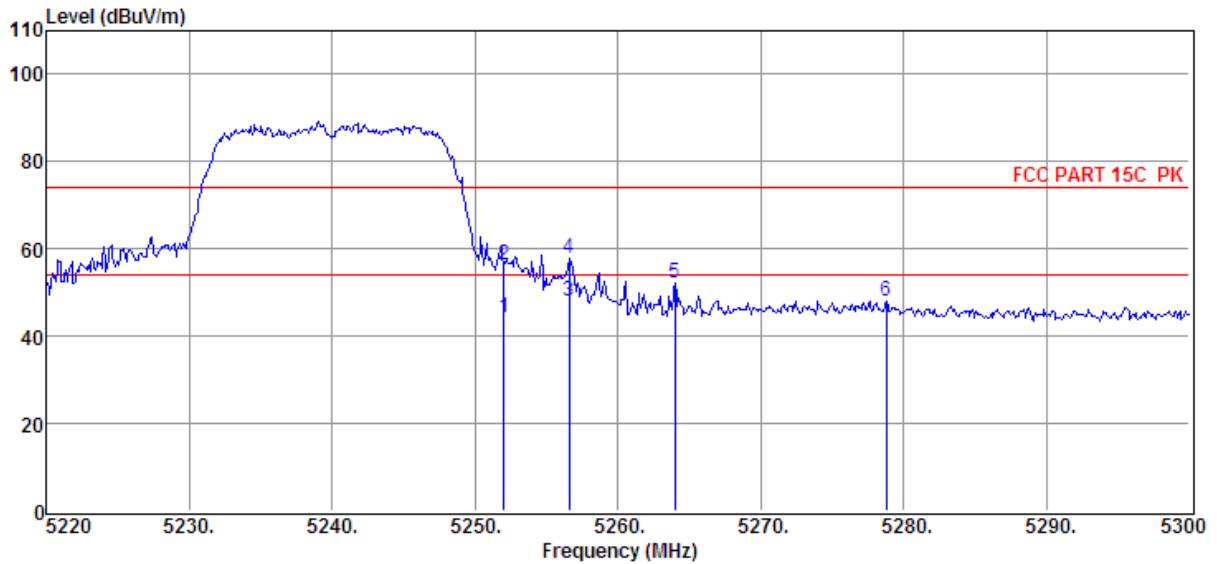
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	31.41	34.21	29.32	8.93	45.23	54.00	-8.77	Average	HORIZONTAL
2	5250.00	47.99	34.21	29.32	8.93	61.81	74.00	-12.19	Peak	HORIZONTAL
3	5251.44	35.25	34.21	29.32	8.93	49.07	54.00	-4.93	Average	HORIZONTAL
4	5251.44	50.77	34.21	29.32	8.93	64.59	74.00	-9.41	Peak	HORIZONTAL
5	5292.80	33.62	34.30	29.31	8.98	47.59	74.00	-26.41	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

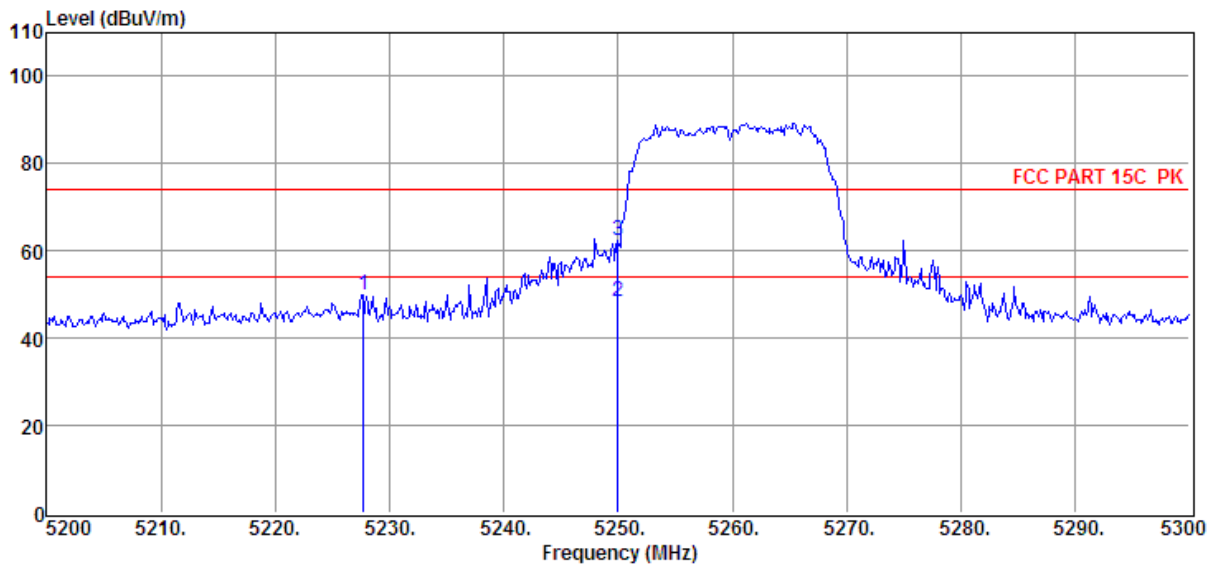


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5252.00	30.24	34.22	29.32	8.93	44.07	54.00	-9.93	Average	VERTICAL
2	5252.00	42.53	34.22	29.32	8.93	56.36	74.00	-17.64	Peak	VERTICAL
3	5256.56	34.24	34.23	29.32	8.93	48.08	54.00	-5.92	Average	VERTICAL
4	5256.56	44.11	34.23	29.32	8.93	57.95	74.00	-16.05	Peak	VERTICAL
5	5264.00	38.34	34.24	29.32	8.96	52.22	74.00	-21.78	Peak	VERTICAL
6	5278.80	34.17	34.27	29.31	8.96	48.09	74.00	-25.91	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.1.2. UNII-2A BAND

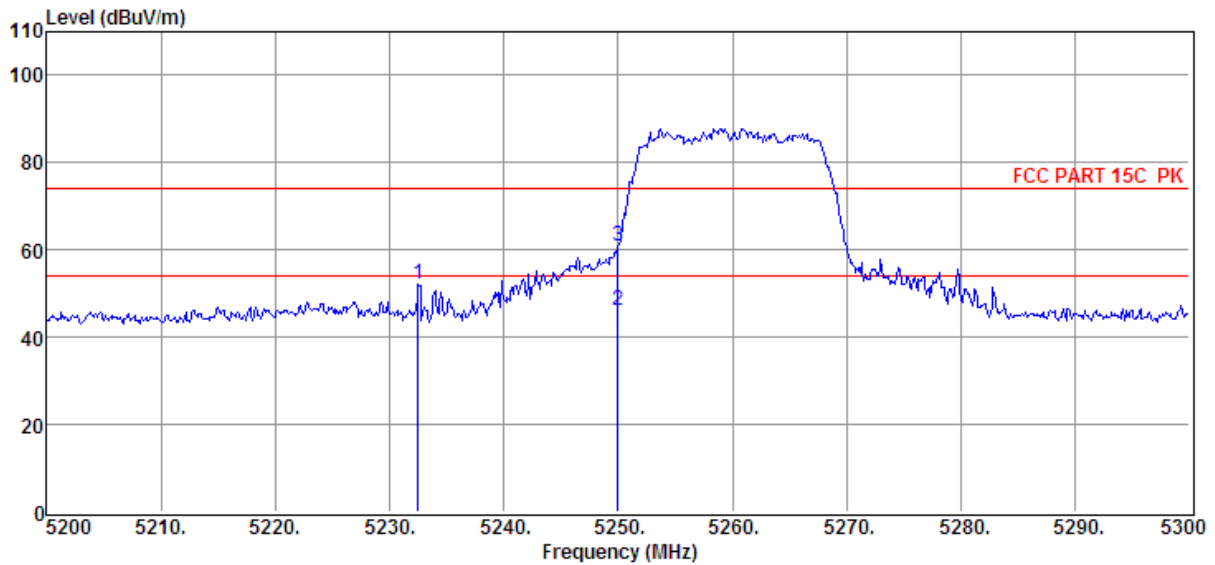
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5227.70	36.31	34.17	29.32	8.91	50.07	74.00	-23.93	Peak	HORIZONTAL
2	5250.00	34.51	34.21	29.32	8.93	48.33	54.00	-5.67	Average	HORIZONTAL
3	5250.00	48.60	34.21	29.32	8.93	62.42	74.00	-11.58	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

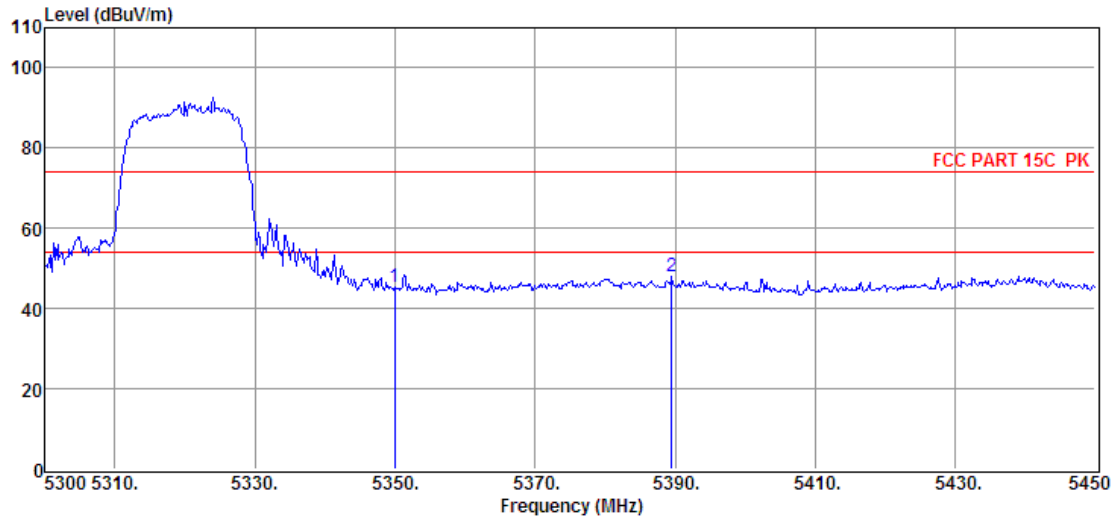
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5232.50	38.23	34.18	29.32	8.91	52.00	74.00	-22.00	Peak	VERTICAL
2	5250.00	32.14	34.21	29.32	8.93	45.96	54.00	-8.04	Average	VERTICAL
3	5250.00	47.14	34.21	29.32	8.93	60.96	74.00	-13.04	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

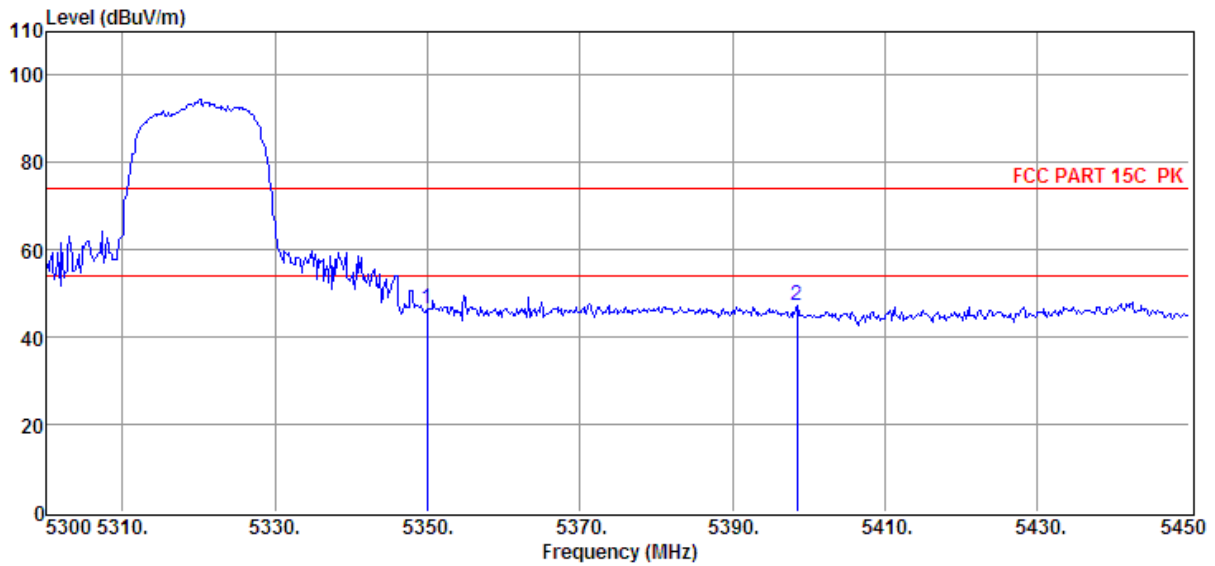
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5349.95	31.11	34.41	29.30	9.03	45.25	74.00	-28.75	Peak	HORIZONTAL
2	5389.55	33.79	34.49	29.30	9.09	48.07	74.00	-25.93	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

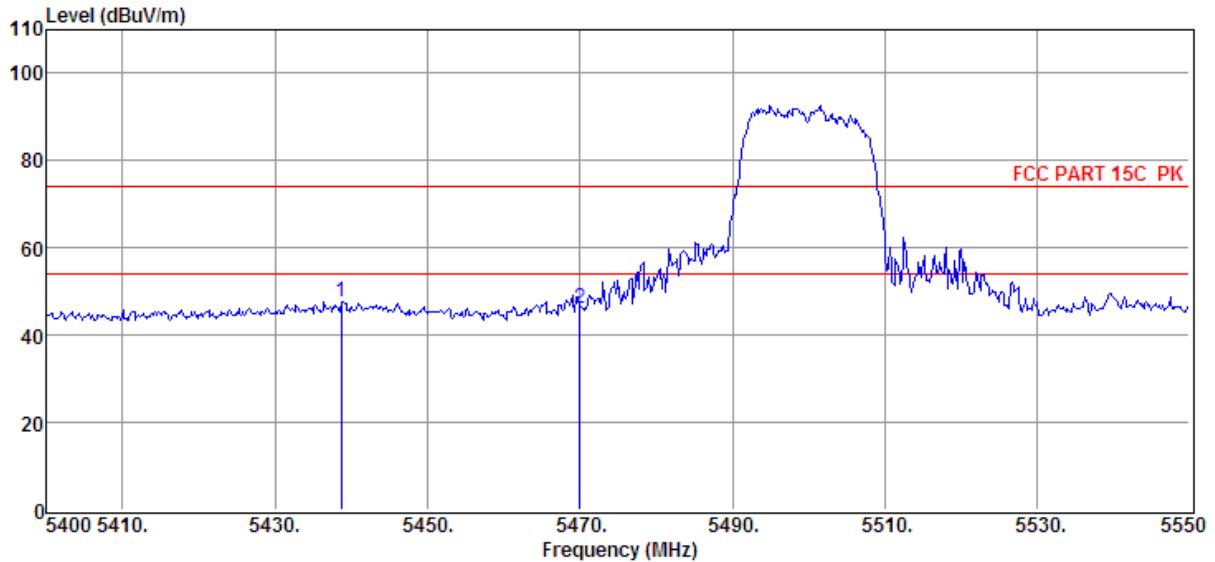


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	32.50	34.41	29.30	9.03	46.64	74.00	-27.36	Peak	VERTICAL
2	5398.55	33.00	34.50	29.29	9.09	47.30	74.00	-26.70	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.1.3. UNII-2C BAND

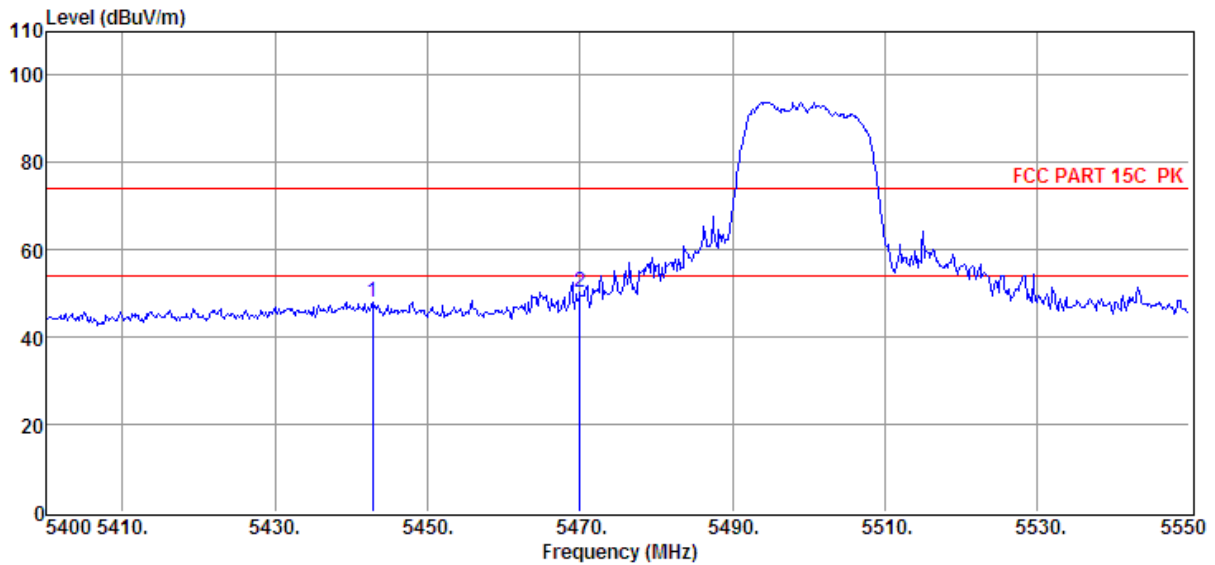
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5438.70	33.19	34.58	29.28	9.14	47.63	74.00	-26.37	Peak	HORIZONTAL
2	5470.00	31.40	34.64	29.27	9.16	45.93	74.00	-28.07	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

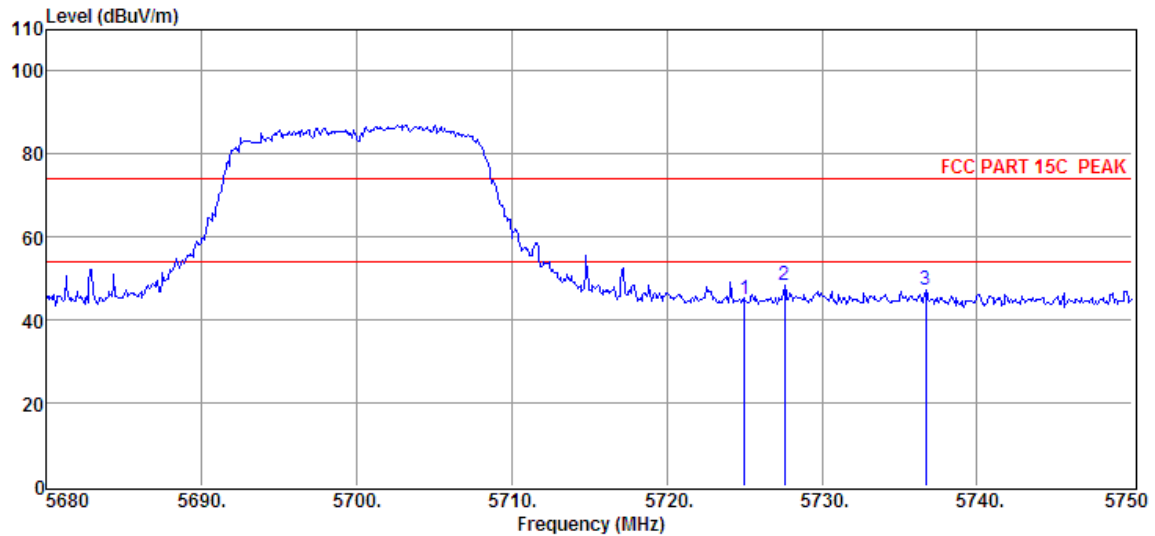
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5442.75	33.65	34.59	29.28	9.14	48.10	74.00	-25.90	Peak	VERTICAL
2	5470.00	35.91	34.64	29.27	9.16	50.44	74.00	-23.56	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

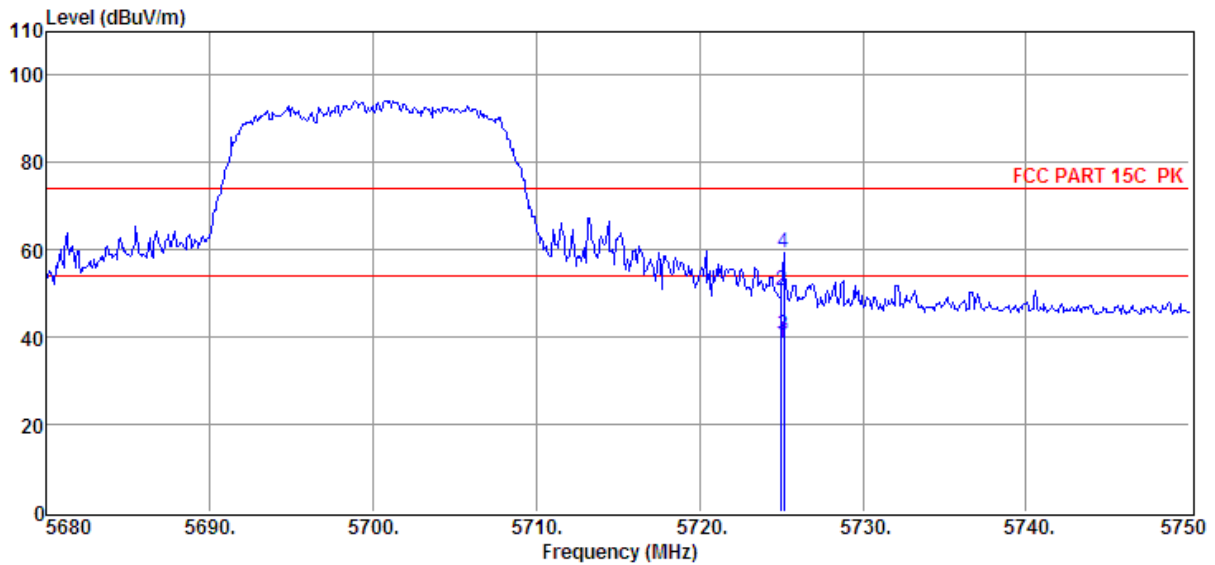
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	23.10	34.84	29.22	9.41	38.13	54.00	-15.87	Average	VERTICAL
2	5725.00	36.82	34.84	29.22	9.41	51.85	74.00	-22.15	Peak	VERTICAL
3	5725.71	26.03	34.84	29.22	9.41	41.06	54.00	-12.94	Average	VERTICAL
4	5725.71	44.06	34.84	29.22	9.41	59.09	74.00	-14.91	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

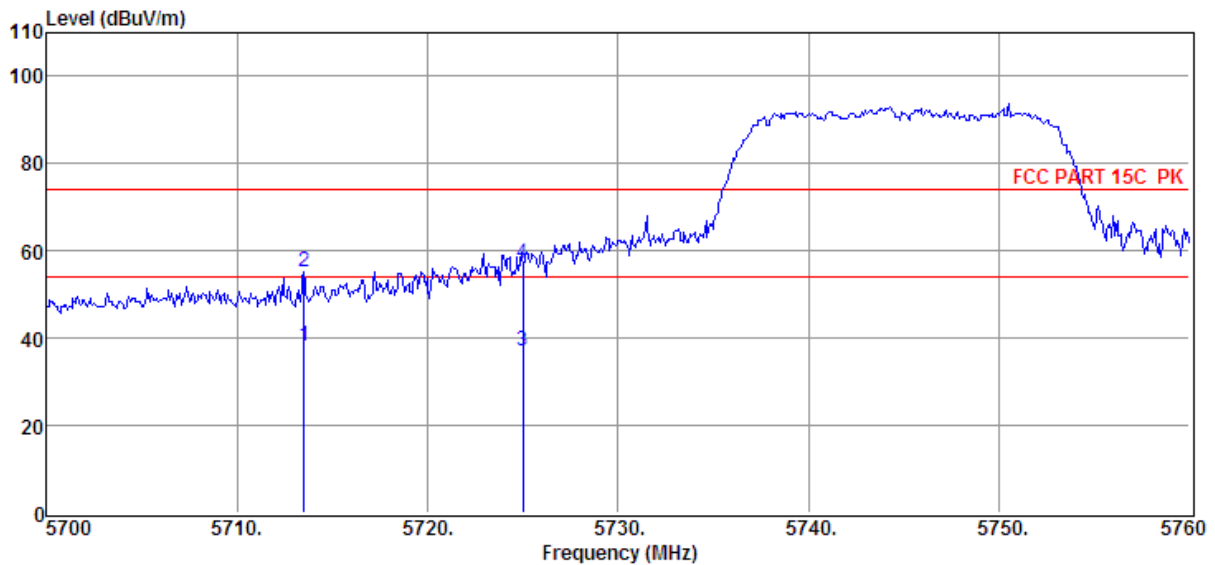


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	23.45	34.84	29.22	9.41	38.48	54.00	-15.52	Average	HORIZONTAL
2	5725.00	35.72	34.84	29.22	9.41	50.75	74.00	-23.25	Peak	HORIZONTAL
3	5725.15	25.45	34.84	29.22	9.41	40.48	54.00	-13.52	Average	HORIZONTAL
4	5725.15	44.14	34.84	29.22	9.41	59.17	74.00	-14.83	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.1.4. UNII-3 BAND

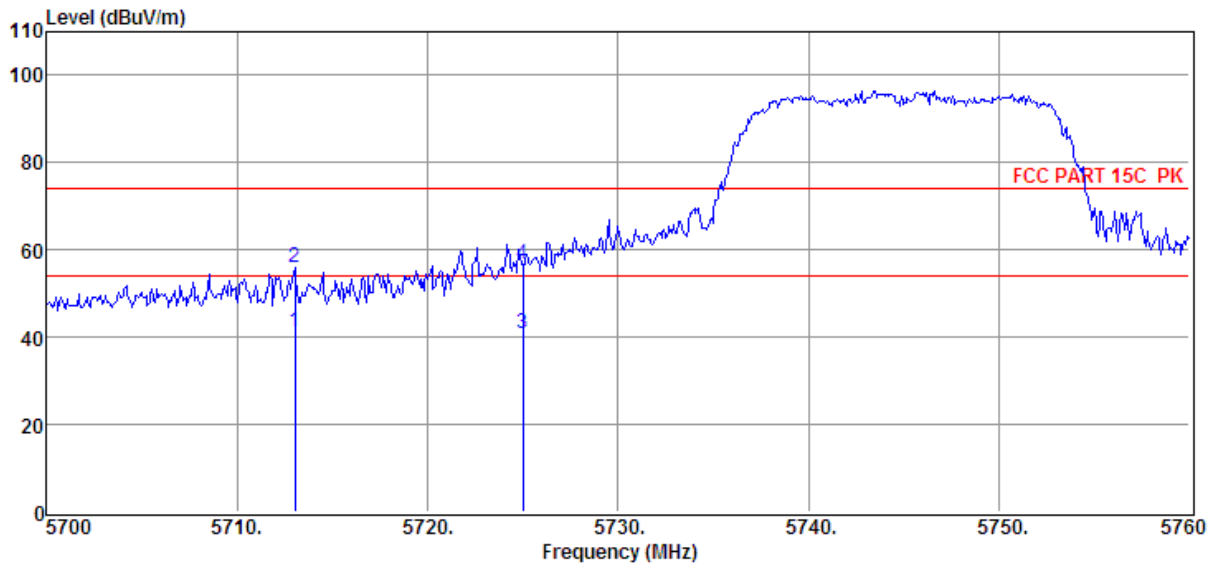
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5713.50	23.16	34.83	29.22	9.41	38.18	54.00	-15.82	Average	HORIZONTAL
2	5713.50	40.26	34.83	29.22	9.41	55.28	74.00	-18.72	Peak	HORIZONTAL
3	5725.00	22.13	34.84	29.22	9.41	37.16	54.00	-16.84	Average	HORIZONTAL
4	5725.00	42.01	34.84	29.22	9.41	57.04	74.00	-16.96	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

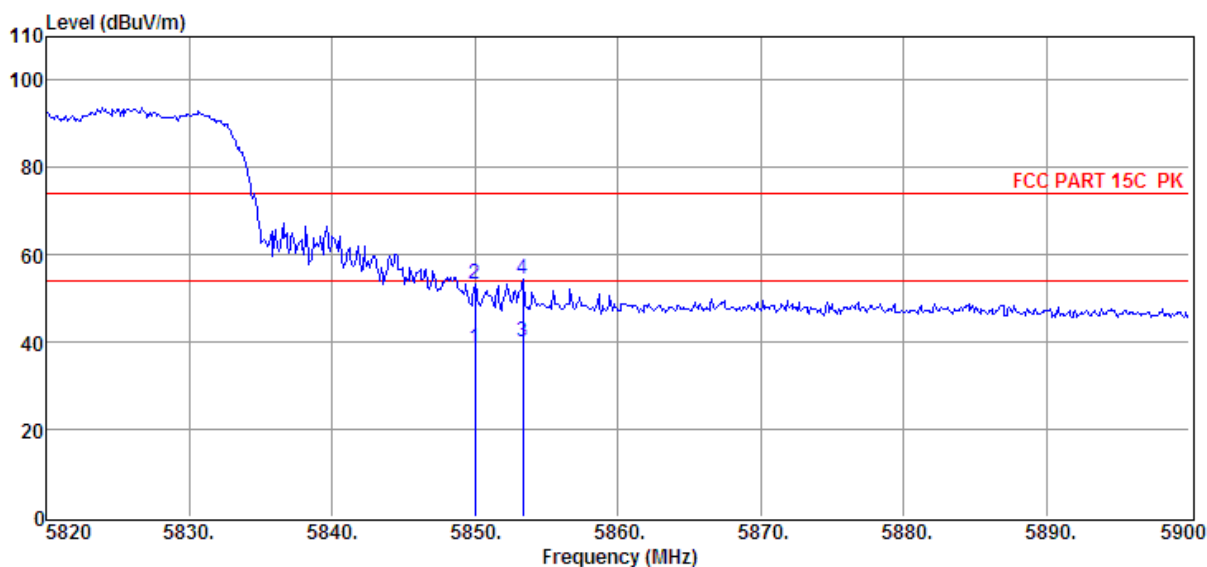
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5713.02	26.14	34.83	29.22	9.41	41.16	54.00	-12.84	Average	VERTICAL
2	5713.02	41.10	34.83	29.22	9.41	56.12	74.00	-17.88	Peak	VERTICAL
3	5725.00	25.89	34.84	29.22	9.41	40.92	54.00	-13.08	Average	VERTICAL
4	5725.00	41.57	34.84	29.22	9.41	56.60	74.00	-17.40	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

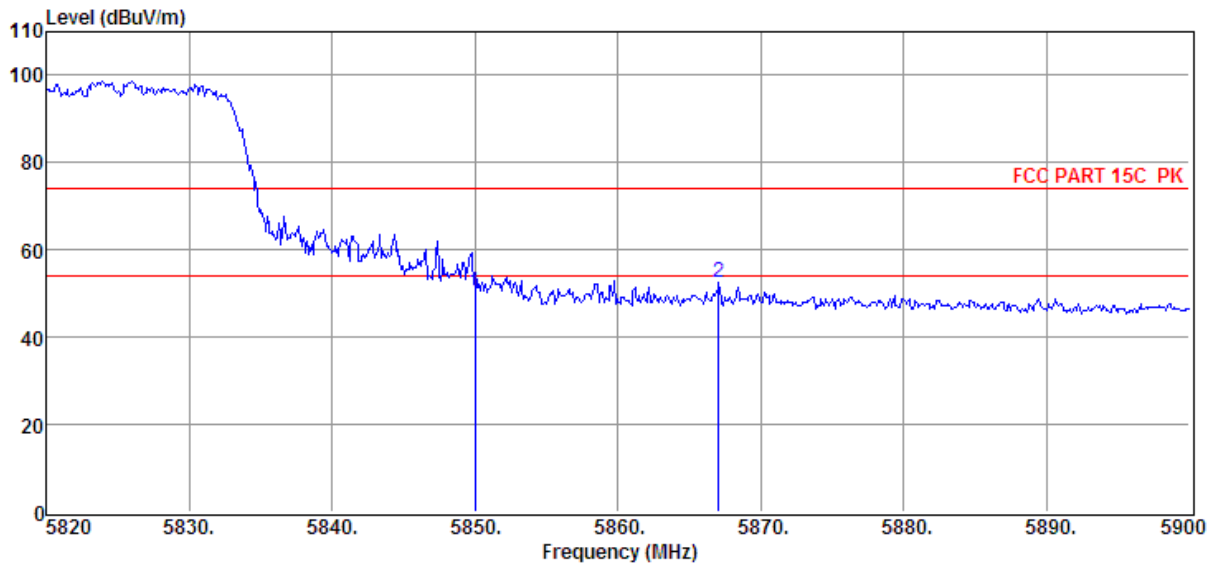
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	23.45	34.91	29.20	9.54	38.70	54.00	-15.30	Average	HORIZONTAL
2	5850.00	37.86	34.91	29.20	9.54	53.11	74.00	-20.89	Peak	HORIZONTAL
3	5853.36	24.78	34.91	29.20	9.54	40.03	54.00	-13.97	Average	HORIZONTAL
4	5853.36	39.12	34.91	29.20	9.54	54.37	74.00	-19.63	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



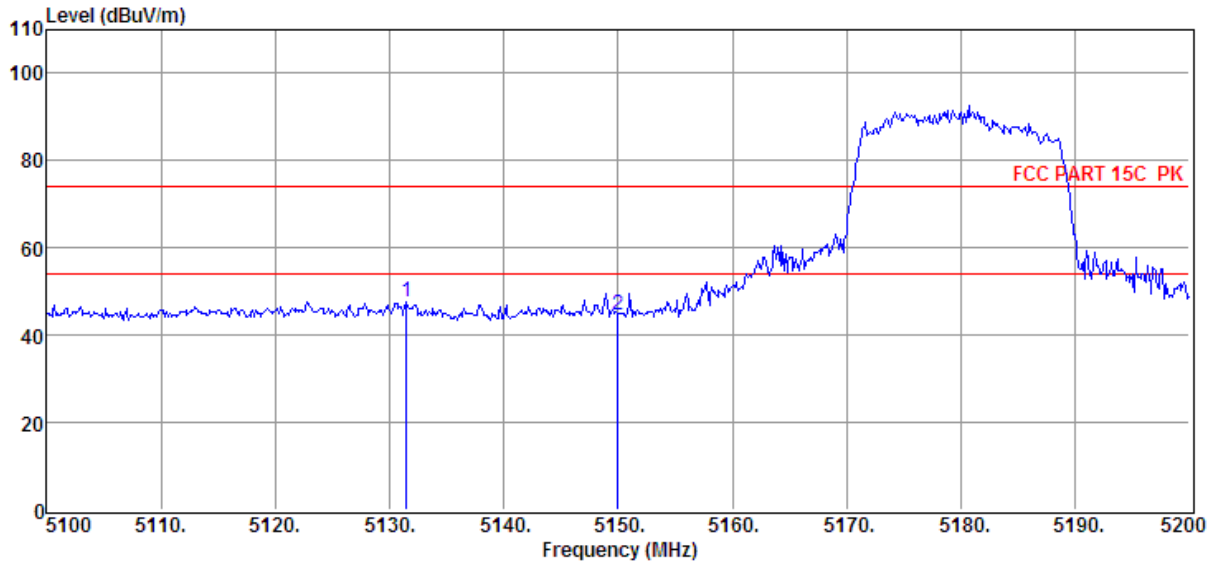
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	35.12	34.91	29.20	9.54	50.37	74.00	-23.63	Peak	VERTICAL
2	5867.04	37.39	34.92	29.20	9.56	52.67	74.00	-21.33	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.2. 802.11n HT 20 MODE

7.2.2.1. UNII-1 BAND

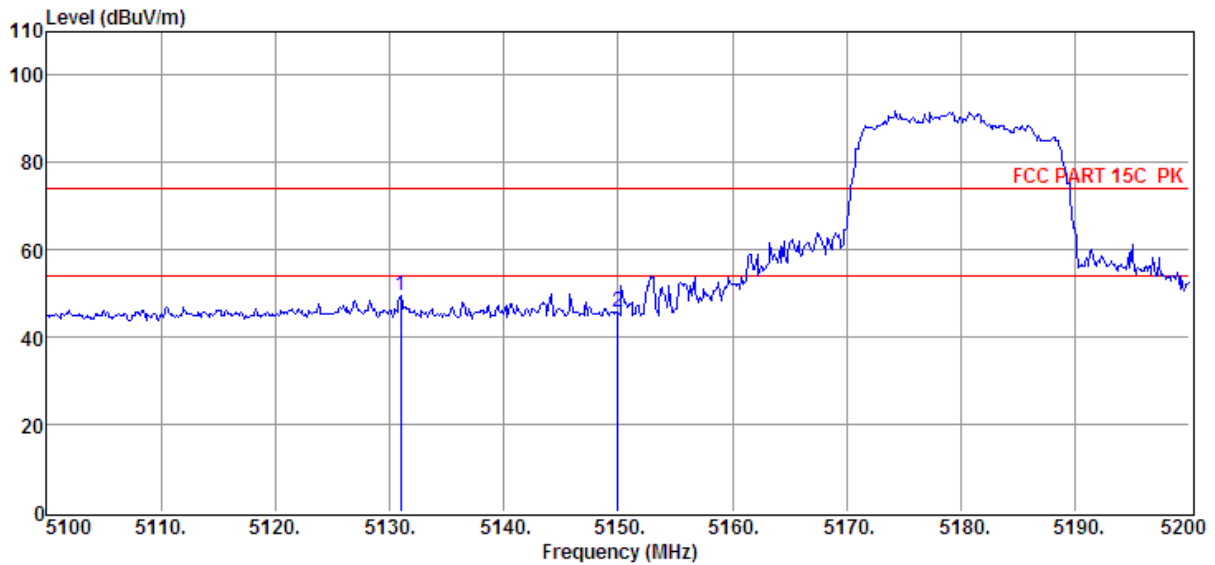
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5131.50	34.33	33.97	29.34	8.80	47.76	74.00	-26.24	Peak	HORIZONTAL
2	5150.00	31.16	34.01	29.33	8.84	44.68	74.00	-29.32	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

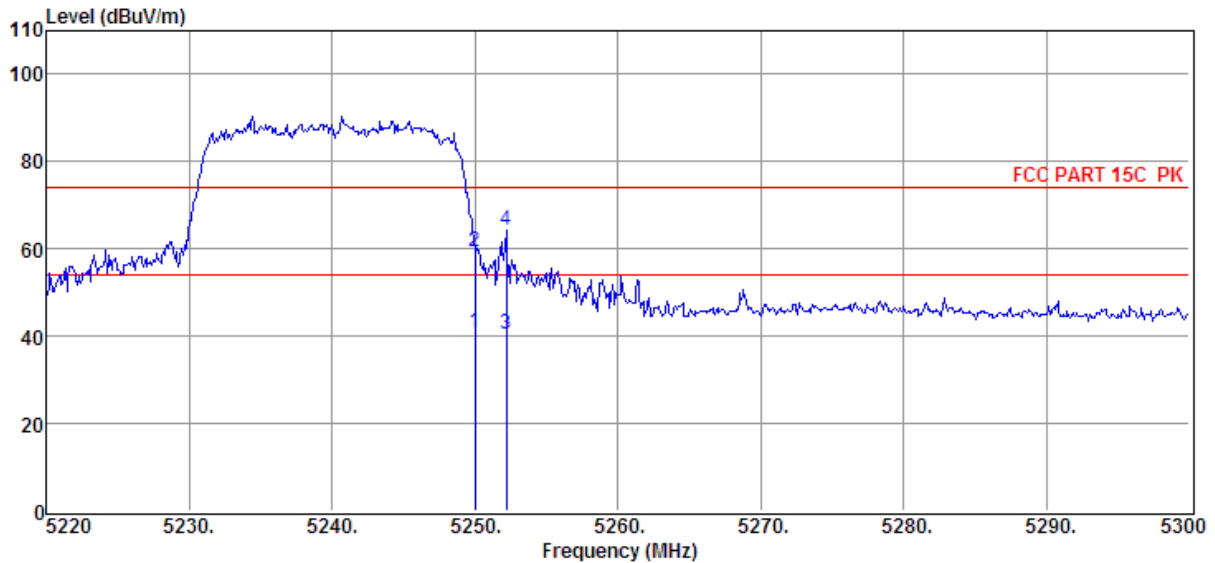
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5131.00	36.00	33.97	29.34	8.80	49.43	74.00	-24.57	Peak	VERTICAL
2	5150.00	32.27	34.01	29.33	8.84	45.79	74.00	-28.21	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

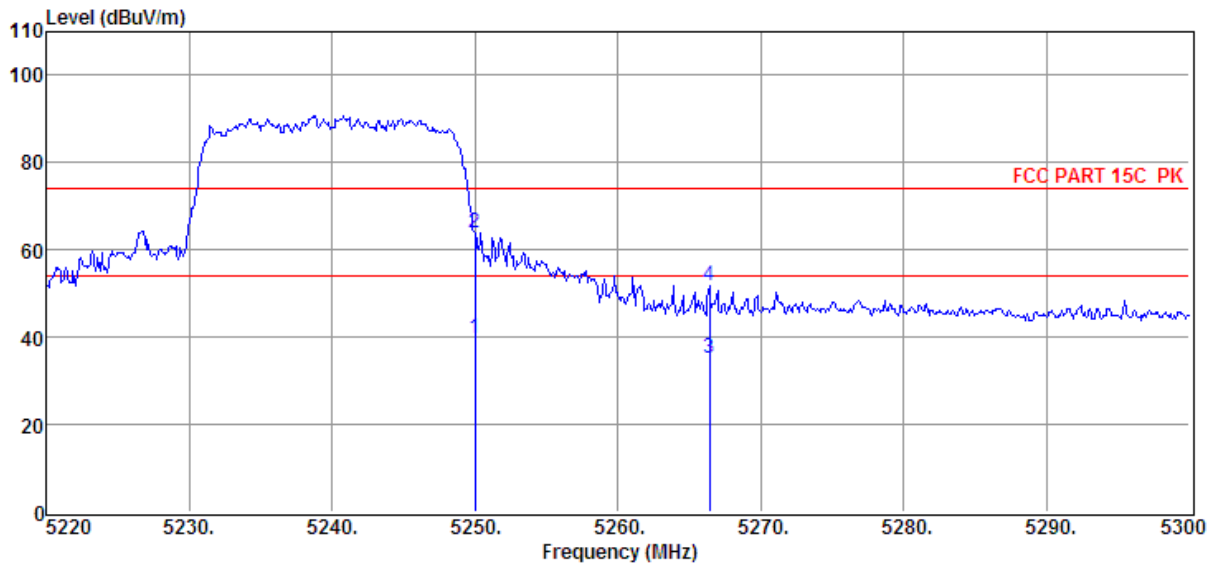
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	27.12	34.21	29.32	8.93	40.94	54.00	-13.06	Average	HORIZONTAL
2	5250.00	45.39	34.21	29.32	8.93	59.21	74.00	-14.79	Peak	HORIZONTAL
3	5252.16	26.53	34.22	29.32	8.93	40.36	54.00	-13.64	Average	HORIZONTAL
4	5252.16	50.31	34.22	29.32	8.93	64.14	74.00	-9.86	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

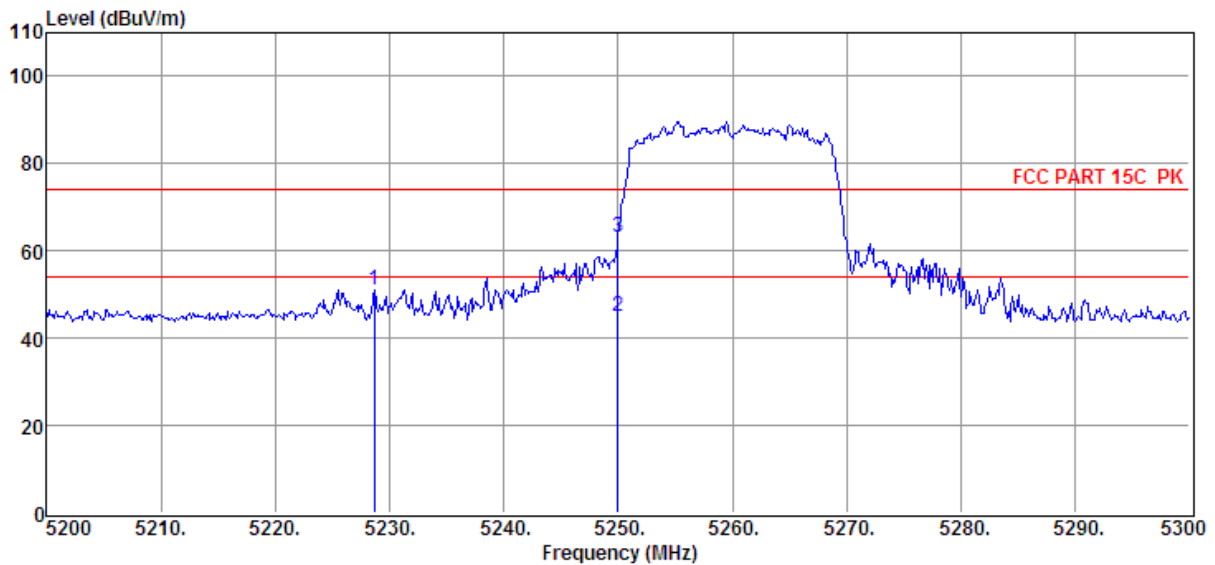


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	26.00	34.21	29.32	8.93	39.82	54.00	-14.18	Average	VERTICAL
2	5250.00	50.01	34.21	29.32	8.93	63.83	74.00	-10.17	Peak	VERTICAL
3	5266.40	21.14	34.24	29.32	8.96	35.02	54.00	-18.98	Average	VERTICAL
4	5266.40	37.86	34.24	29.32	8.96	51.74	74.00	-22.26	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.2.2. UNII-2A BAND

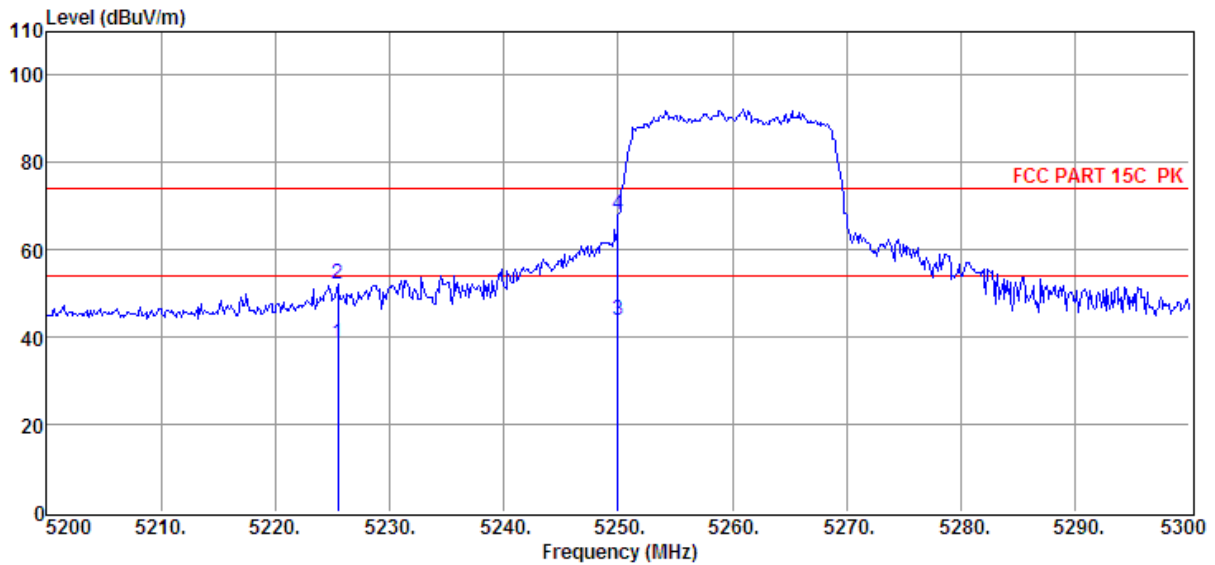
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5228.70	37.40	34.17	29.32	8.91	51.16	74.00	-22.84	Peak	HORIZONTAL
2	5250.00	31.20	34.21	29.32	8.93	45.02	54.00	-8.98	Average	HORIZONTAL
3	5250.00	49.40	34.21	29.32	8.93	63.22	74.00	-10.78	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

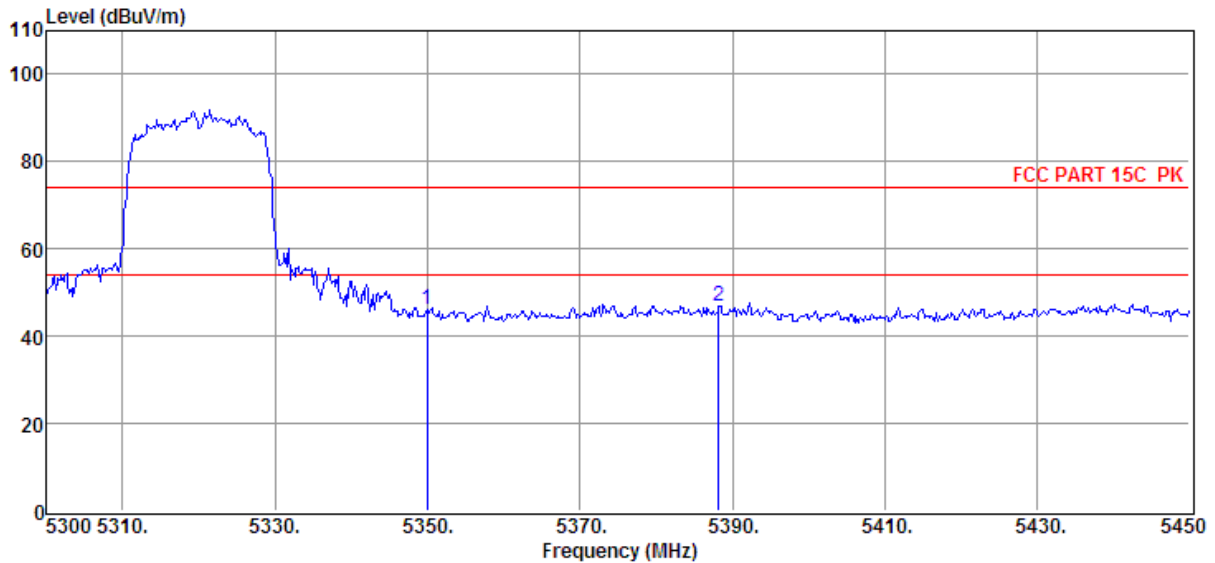
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5225.50	24.77	34.16	29.32	8.91	38.52	54.00	-15.48	Average	VERTICAL
2	5225.50	38.43	34.16	29.32	8.91	52.18	74.00	-21.82	Peak	VERTICAL
3	5250.00	30.14	34.21	29.32	8.93	43.96	54.00	-10.04	Average	VERTICAL
4	5250.00	54.19	34.21	29.32	8.93	68.01	74.00	-5.99	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

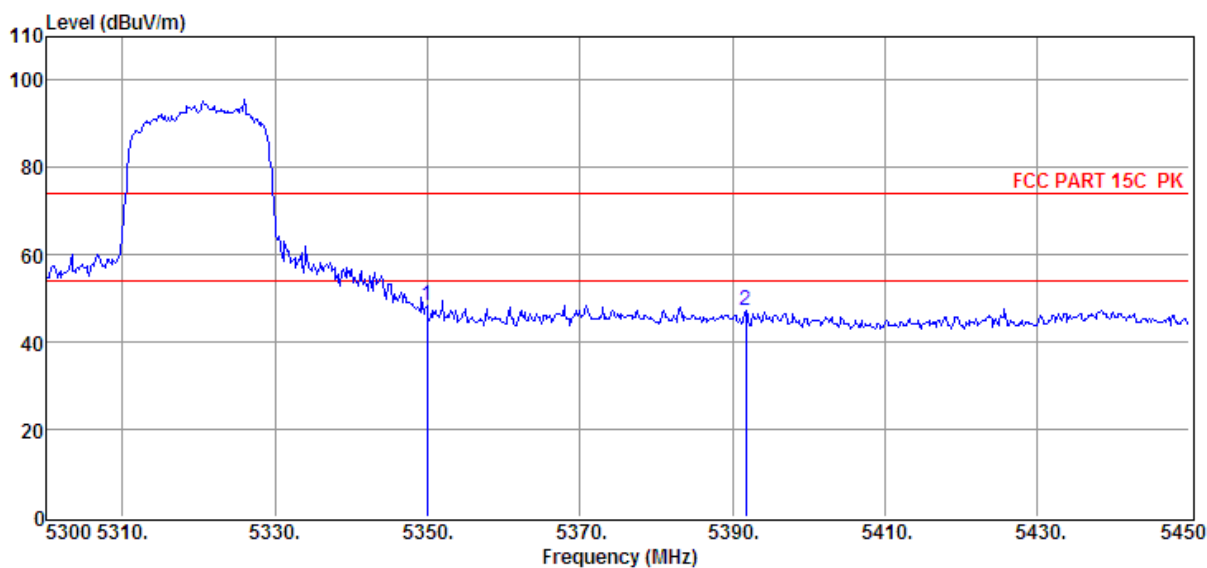
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	31.84	34.41	29.30	9.03	45.98	74.00	-28.02	Peak	HORIZONTAL
2	5388.20	32.76	34.48	29.30	9.09	47.03	74.00	-26.97	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

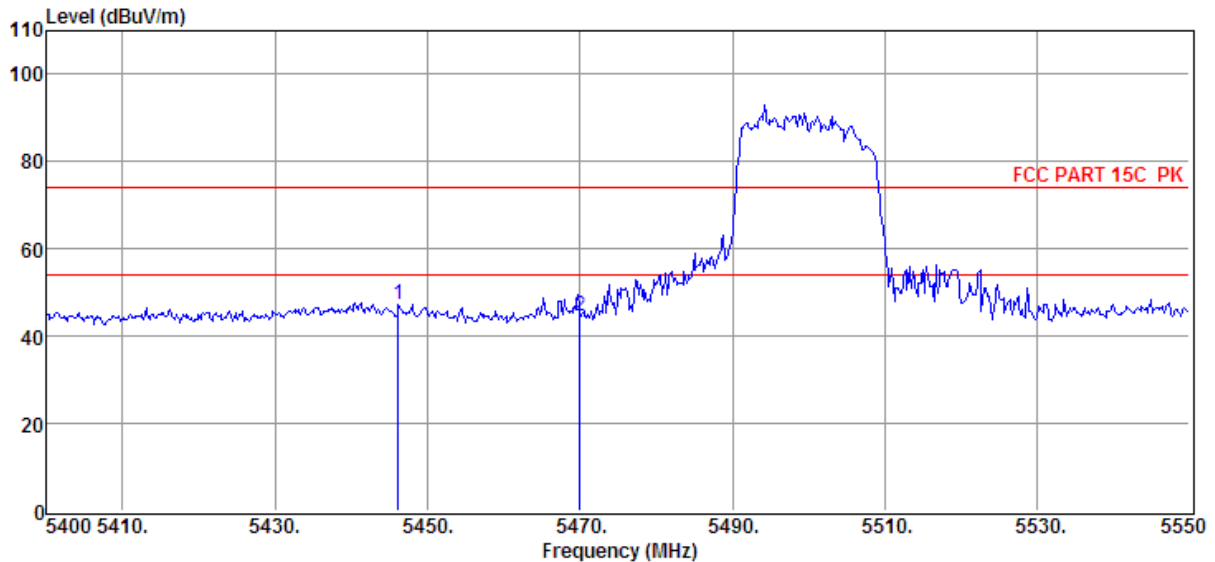


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	34.11	34.41	29.30	9.03	48.25	74.00	-25.75	Peak	VERTICAL
2	5391.80	33.15	34.49	29.30	9.09	47.43	74.00	-26.57	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.2.3. UNII-2C BAND

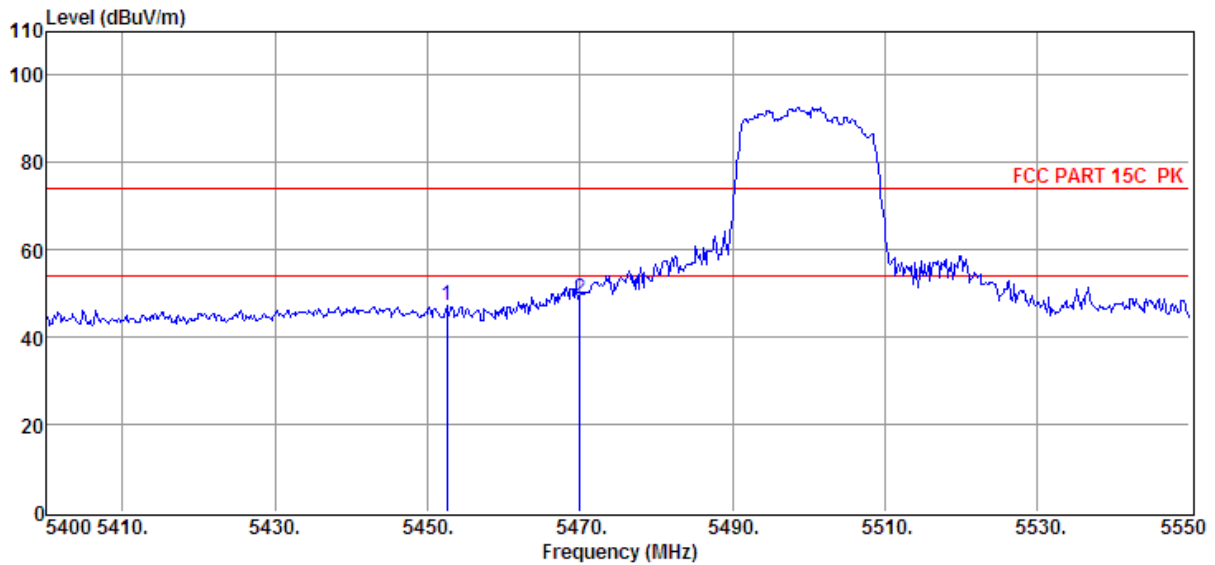
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5446.20	32.90	34.60	29.28	9.14	47.36	74.00	-26.64	Peak	HORIZONTAL
2	5470.00	30.20	34.64	29.27	9.16	44.73	74.00	-29.27	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

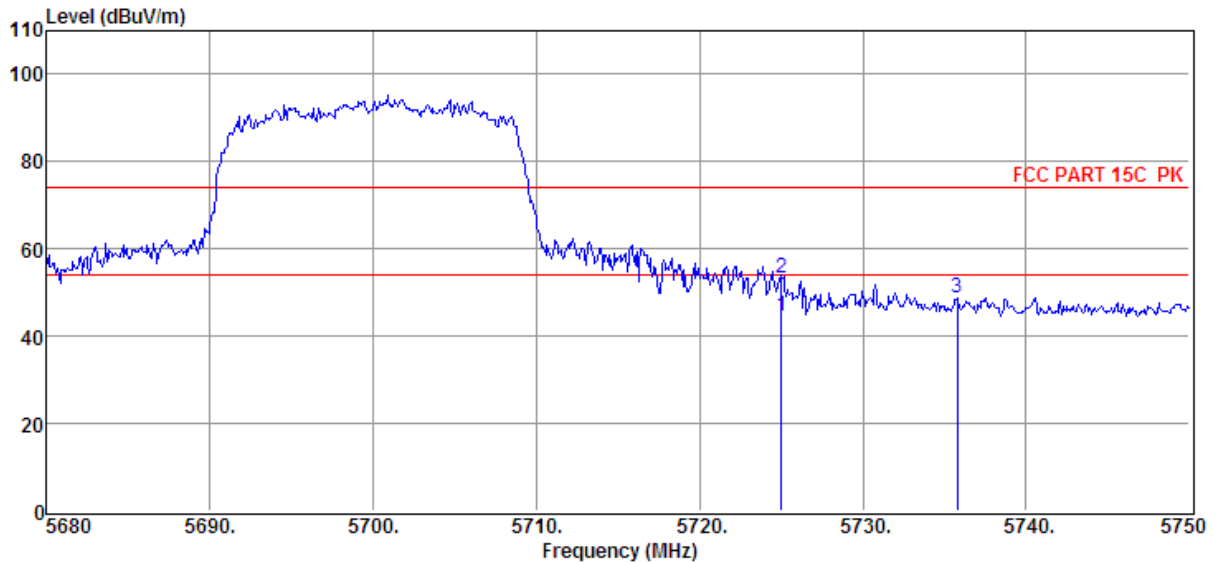
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5452.50	32.87	34.61	29.28	9.14	47.34	74.00	-26.66	Peak	VERTICAL
2	5470.00	34.33	34.64	29.27	9.16	48.86	74.00	-25.14	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

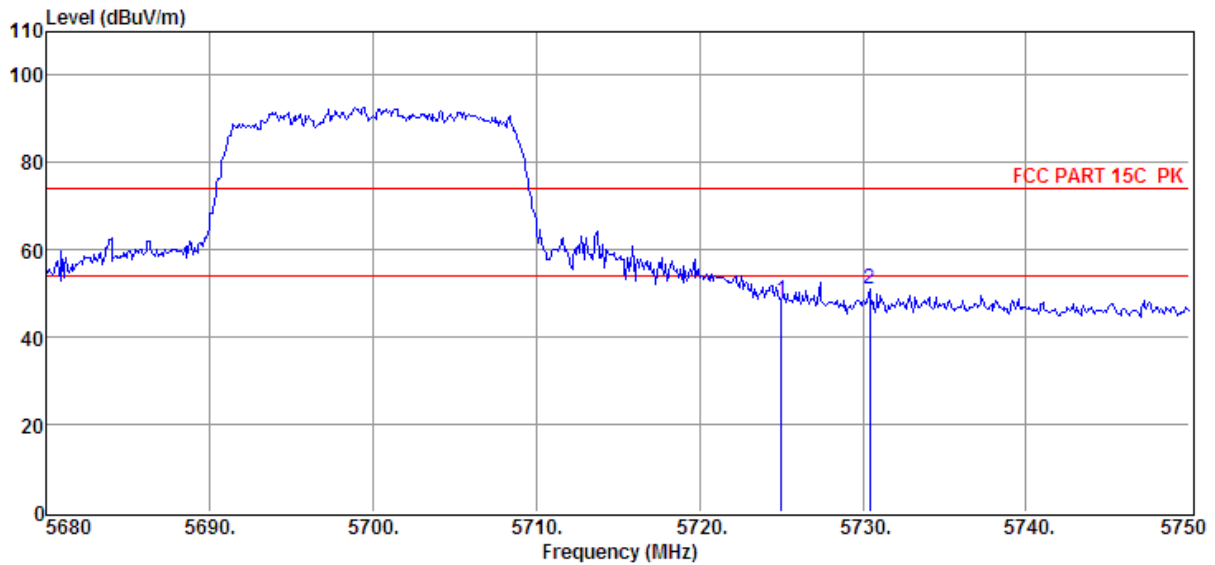
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	29.45	34.84	29.22	9.41	44.48	54.00	-9.52	Average	HORIZONTAL
2	5725.01	38.20	34.84	29.22	9.41	53.23	74.00	-20.77	Peak	HORIZONTAL
3	5735.79	33.75	34.84	29.21	9.43	48.81	74.00	-25.19	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

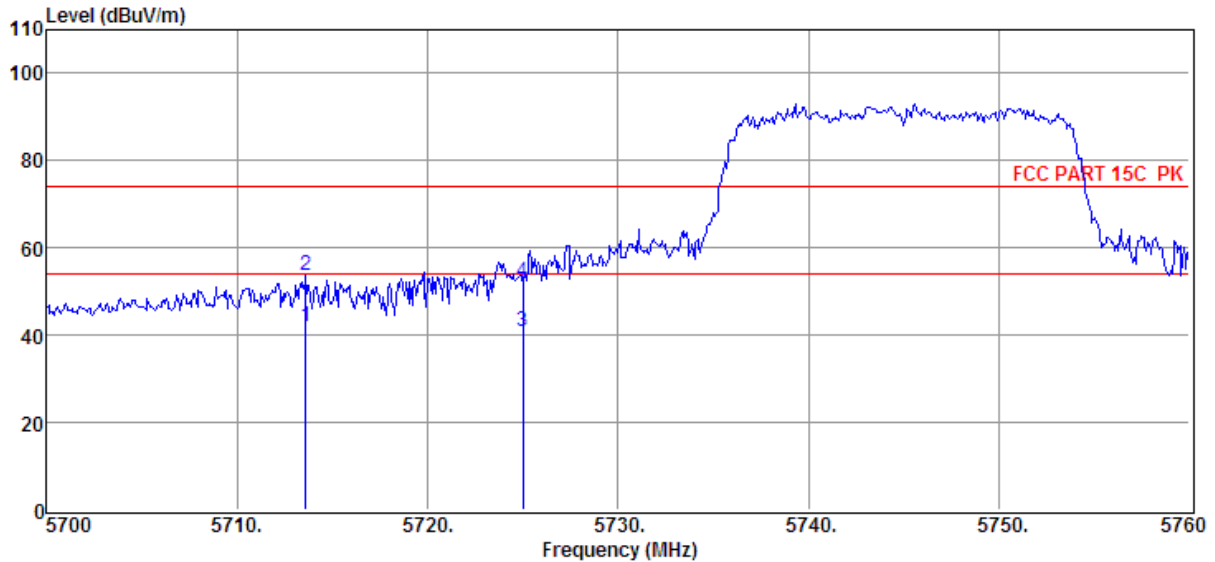


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	33.52	34.84	29.22	9.41	48.55	74.00	-25.45	Peak	VERTICAL
2	5730.40	35.94	34.84	29.22	9.41	50.97	74.00	-23.03	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.2.4. UNII-3 BAND

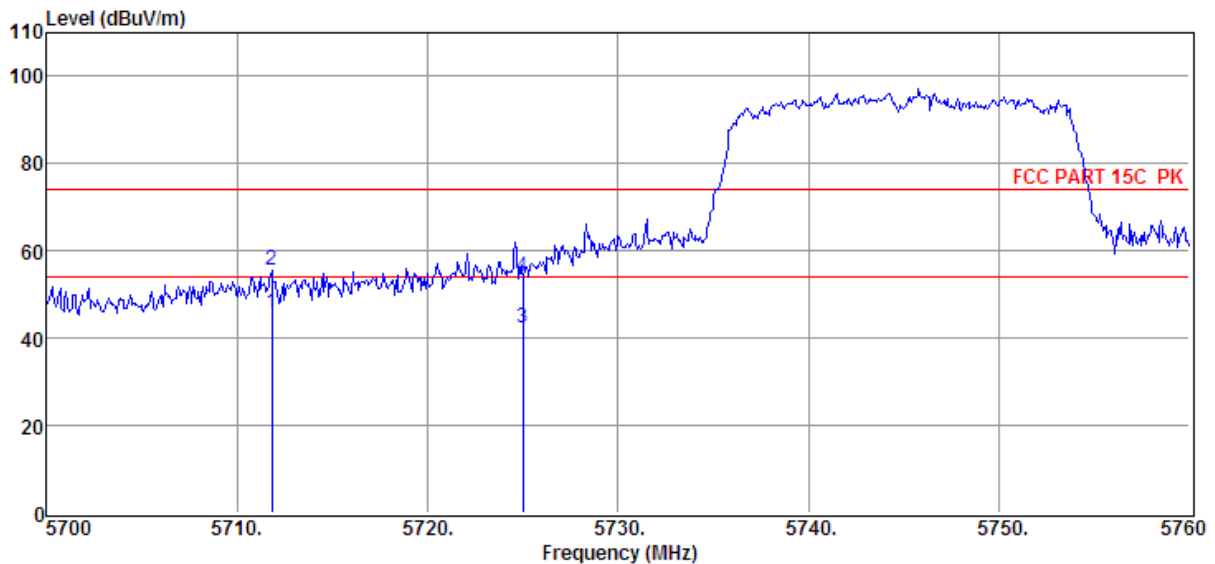
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5713.62	27.12	34.83	29.22	9.41	42.14	54.00	-11.86	Average	HORIZONTAL
2	5713.62	38.81	34.83	29.22	9.41	53.83	74.00	-20.17	Peak	HORIZONTAL
3	5725.02	25.88	34.84	29.22	9.41	40.91	54.00	-13.09	Average	HORIZONTAL
4	5725.02	37.14	34.84	29.22	9.41	52.17	74.00	-21.83	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

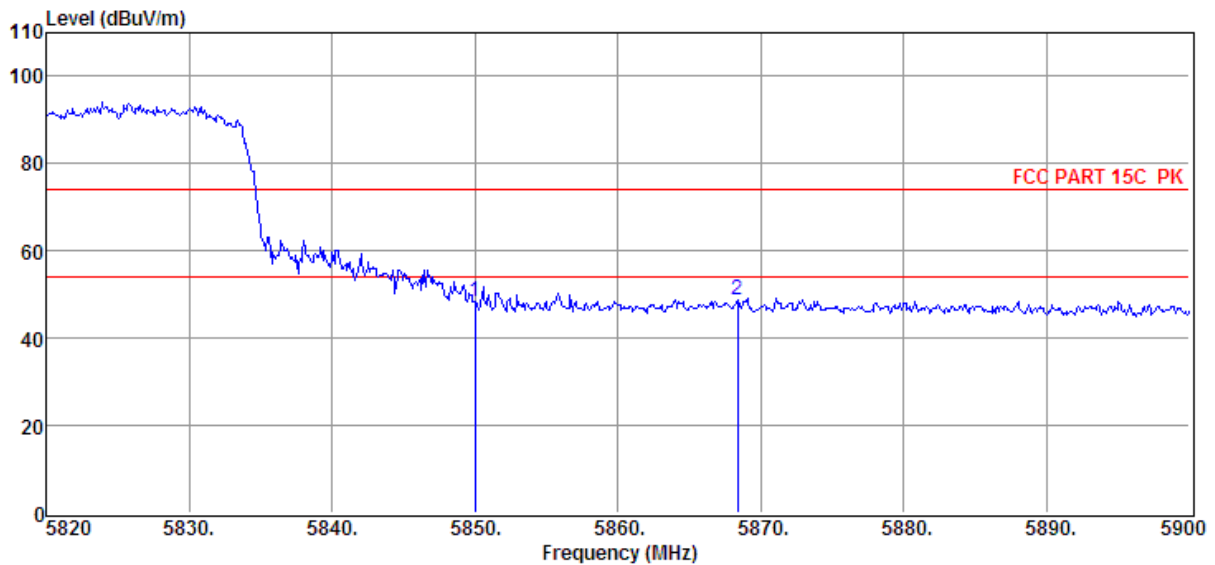
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5711.82	30.54	34.83	29.22	9.41	45.56	54.00	-8.44	Average	VERTICAL
2	5711.82	40.58	34.83	29.22	9.41	55.60	74.00	-18.40	Peak	VERTICAL
3	5725.00	27.13	34.84	29.22	9.41	42.16	54.00	-11.84	Average	VERTICAL
4	5725.00	39.21	34.84	29.22	9.41	54.24	74.00	-19.76	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

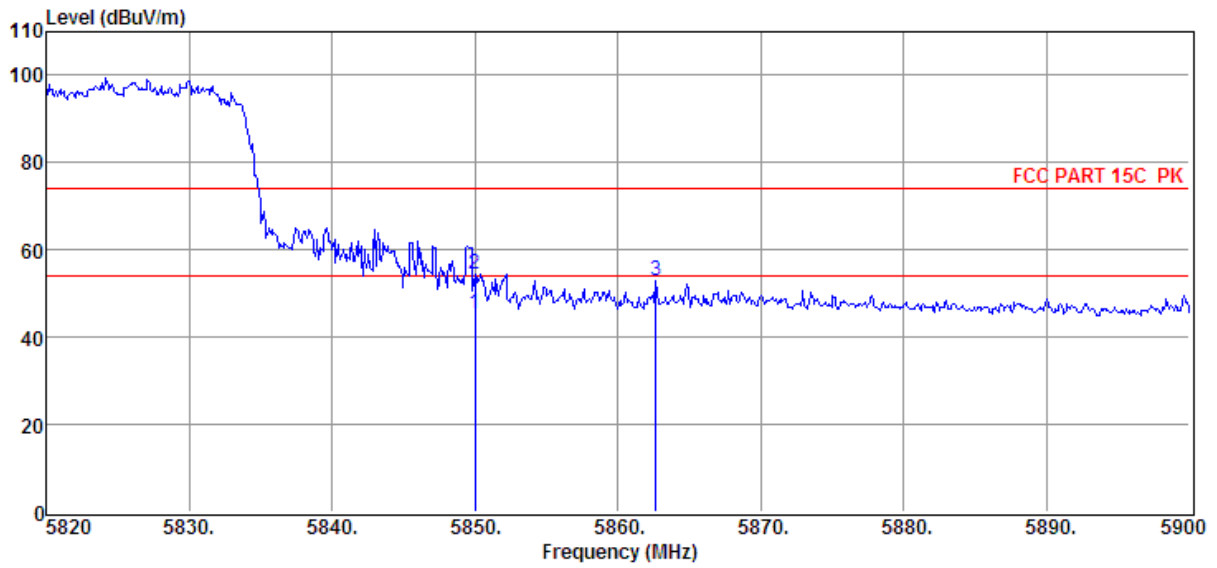
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	32.97	34.91	29.20	9.54	48.22	74.00	-25.78	Peak	HORIZONTAL
2	5868.40	33.65	34.92	29.20	9.56	48.93	74.00	-25.07	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



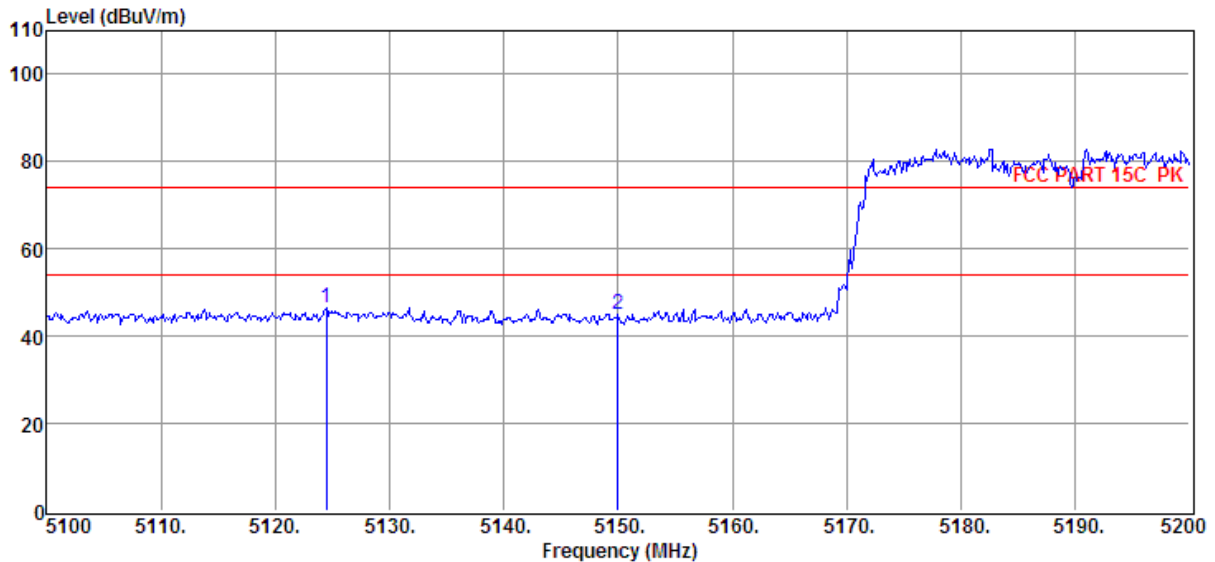
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	30.12	34.91	29.20	9.54	45.37	54.00	-8.63	Average	VERTICAL
2	5850.00	39.28	34.91	29.20	9.54	54.53	74.00	-19.47	Peak	VERTICAL
3	5862.64	37.47	34.92	29.20	9.56	52.75	74.00	-21.25	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.3. 802.11n HT40 MODE

7.2.3.1. UNII-1 BAND

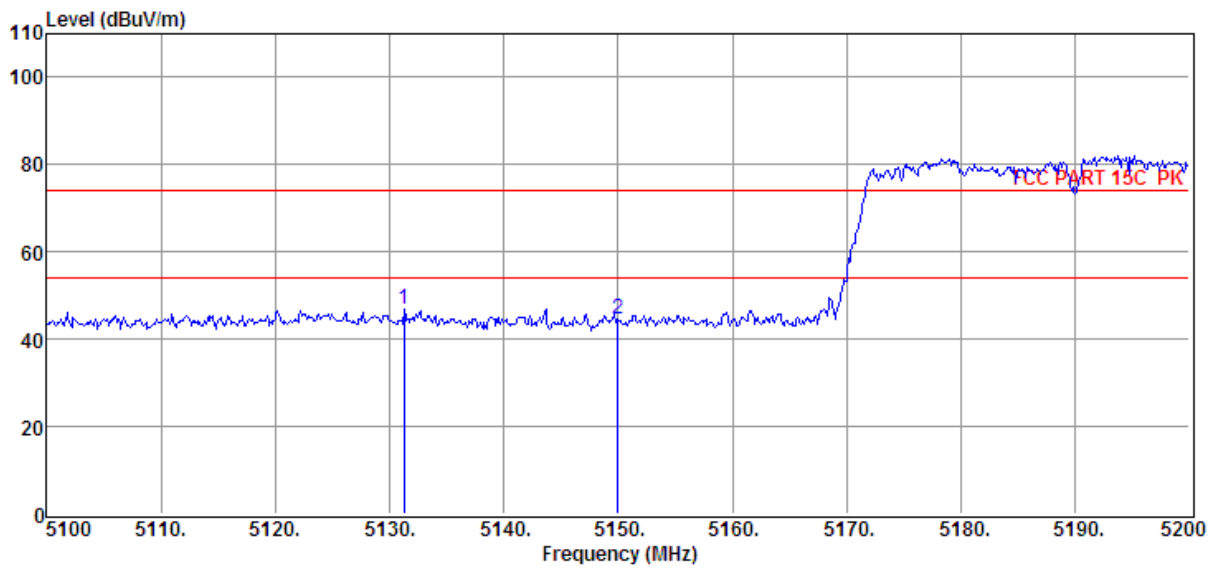
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5124.50	32.89	33.96	29.34	8.80	46.31	74.00	-27.69	Peak	HORIZONTAL
2	5150.00	31.31	34.01	29.33	8.84	44.83	74.00	-29.17	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

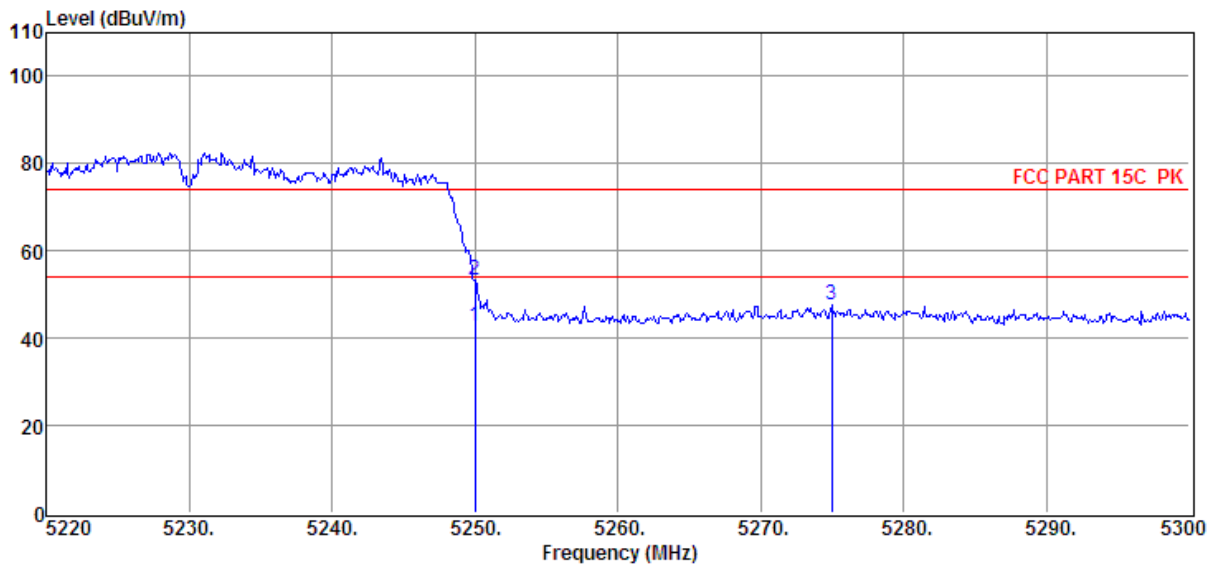
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5131.30	33.36	33.97	29.34	8.80	46.79	74.00	-27.21	Peak	VERTICAL
2	5150.00	30.96	34.01	29.33	8.84	44.48	74.00	-29.52	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

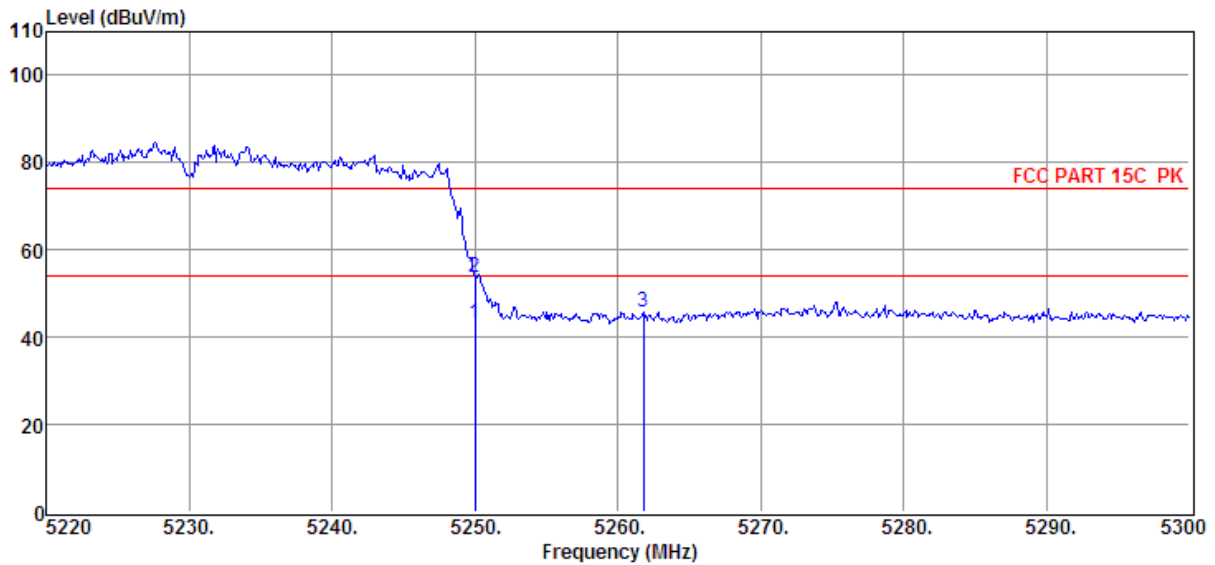
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	28.74	34.21	29.32	8.93	42.56	54.00	-11.44	Average	HORIZONTAL
2	5250.00	39.31	34.21	29.32	8.93	53.13	74.00	-20.87	Peak	HORIZONTAL
3	5274.96	33.83	34.26	29.31	8.96	47.74	74.00	-26.26	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

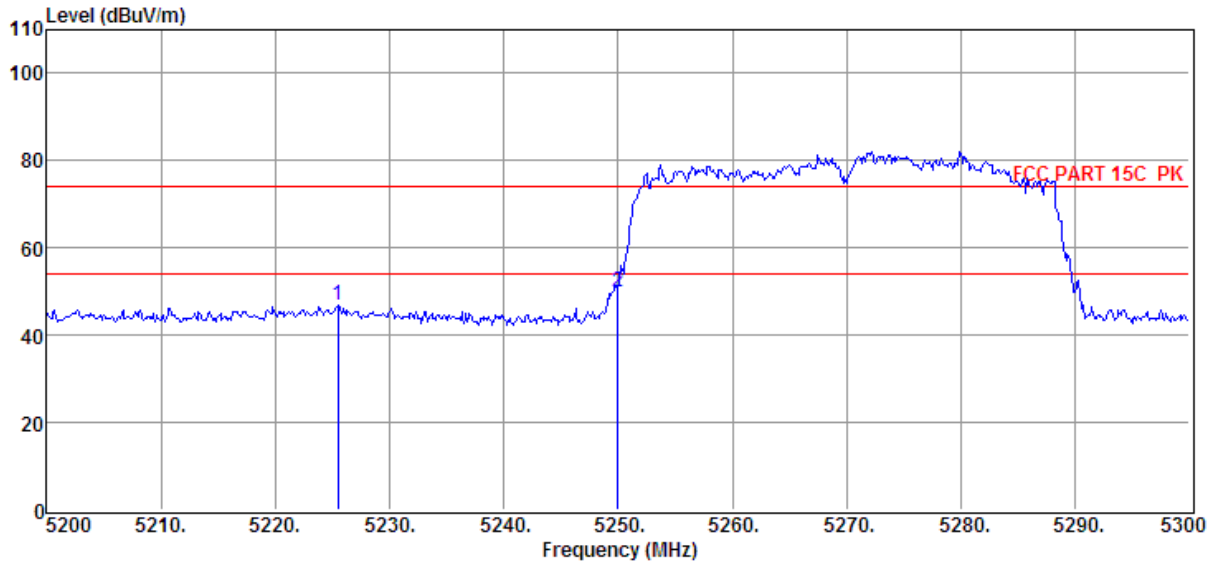


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	29.12	34.21	29.32	8.93	42.94	54.00	-11.06	Average	VERTICAL
2	5250.00	39.99	34.21	29.32	8.93	53.81	74.00	-20.19	Peak	VERTICAL
3	5261.76	31.96	34.24	29.32	8.96	45.84	74.00	-28.16	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.3.2. UNII-2A BAND

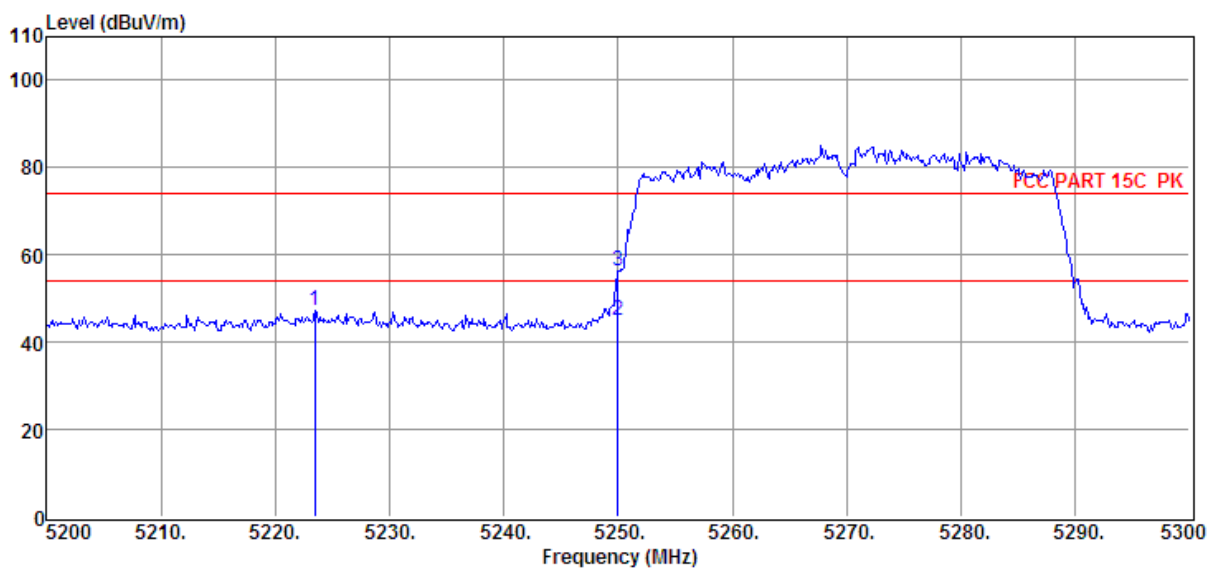
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5225.50	33.09	34.16	29.32	8.91	46.84	74.00	-27.16	Peak	HORIZONTAL
2	5250.00	36.23	34.21	29.32	8.93	50.05	74.00	-23.95	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

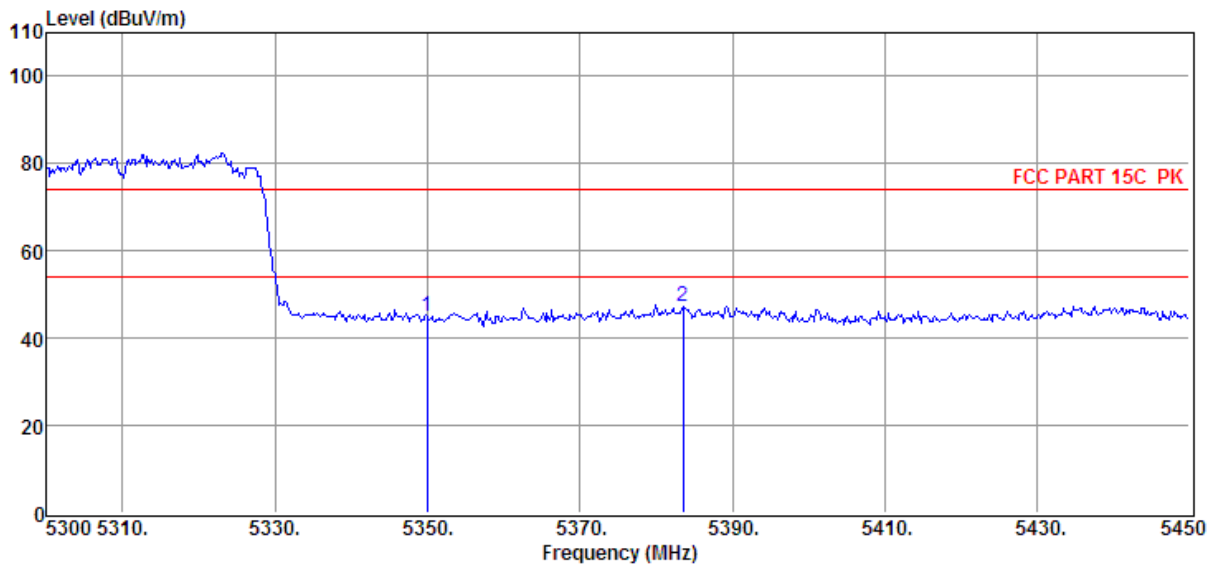
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5223.50	33.57	34.16	29.32	8.91	47.32	74.00	-26.68	Peak	VERTICAL
2	5250.00	31.20	34.21	29.32	8.93	45.02	54.00	-8.98	Average	VERTICAL
3	5250.00	42.36	34.21	29.32	8.93	56.18	74.00	-17.82	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

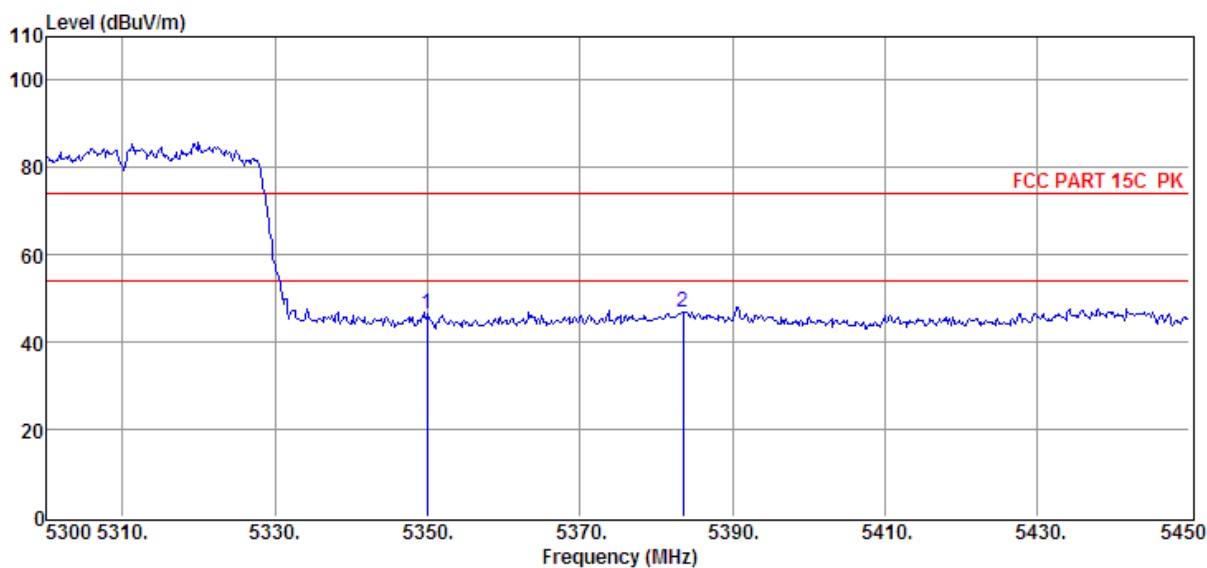
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	30.75	34.41	29.30	9.03	44.89	74.00	-29.11	Peak	HORIZONTAL
2	5383.55	33.13	34.48	29.30	9.05	47.36	74.00	-26.64	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

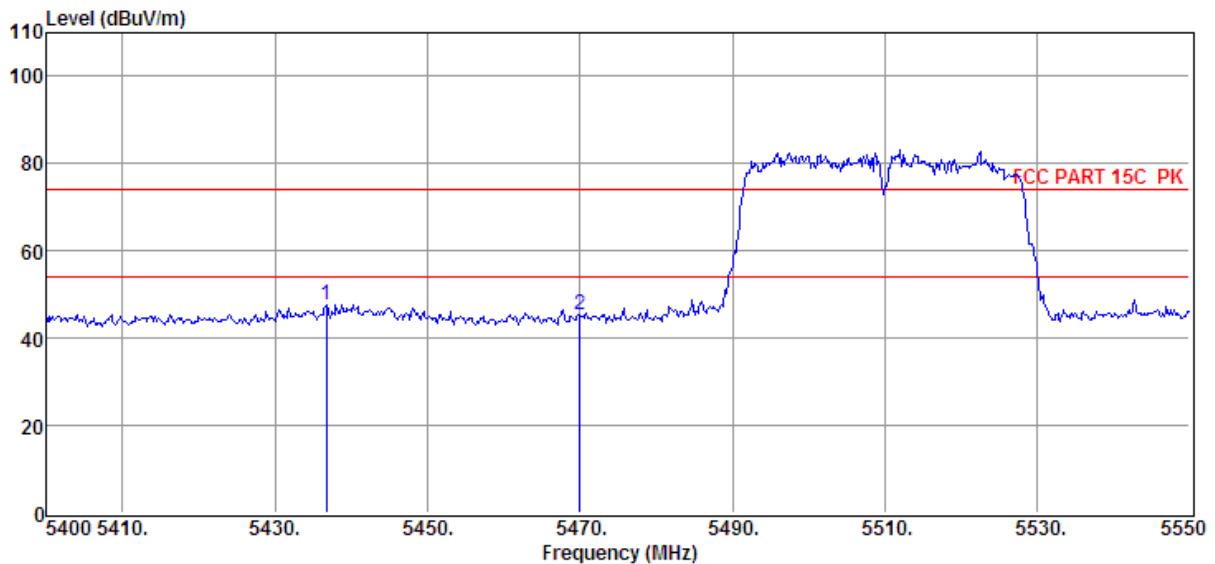


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	32.38	34.41	29.30	9.03	46.52	74.00	-27.48	Peak	VERTICAL
2	5383.55	32.71	34.48	29.30	9.05	46.94	74.00	-27.06	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.3.3. UNII-2C BAND

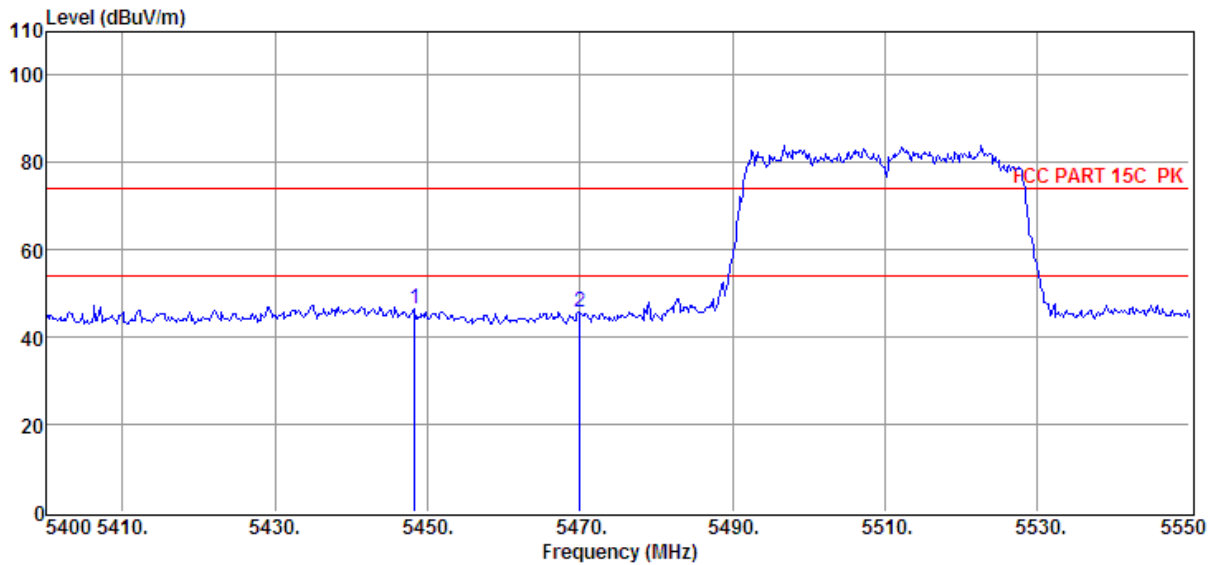
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5436.75	33.24	34.58	29.28	9.14	47.68	74.00	-26.32	Peak	HORIZONTAL
2	5470.00	30.75	34.64	29.27	9.16	45.28	74.00	-28.72	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

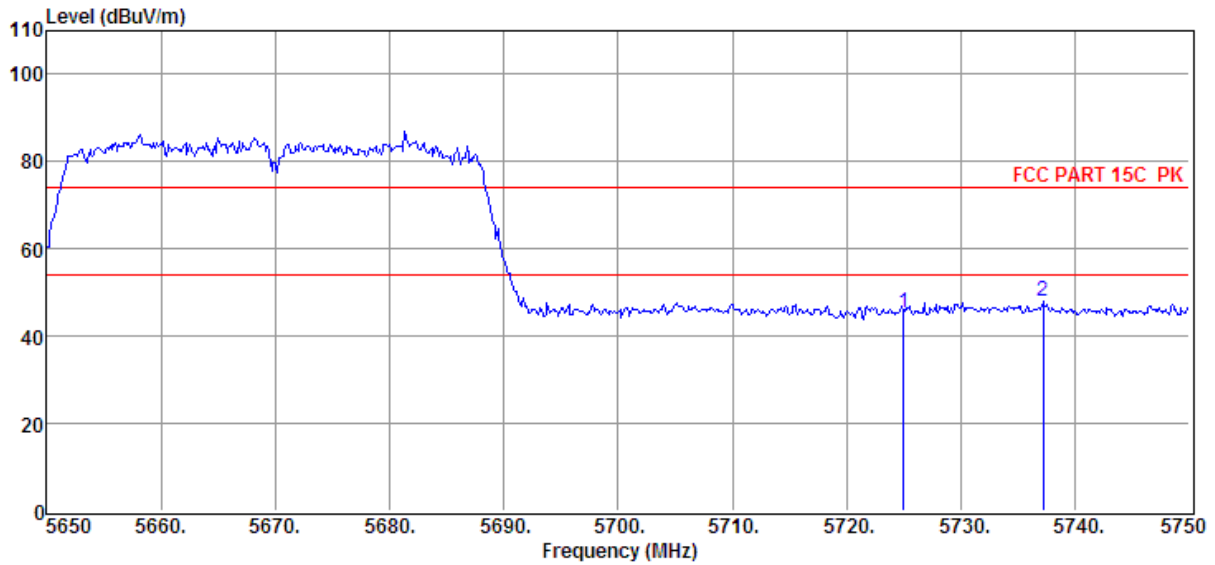
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5448.30	32.15	34.60	29.28	9.14	46.61	74.00	-27.39	Peak	VERTICAL
2	5470.00	31.24	34.64	29.27	9.16	45.77	74.00	-28.23	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

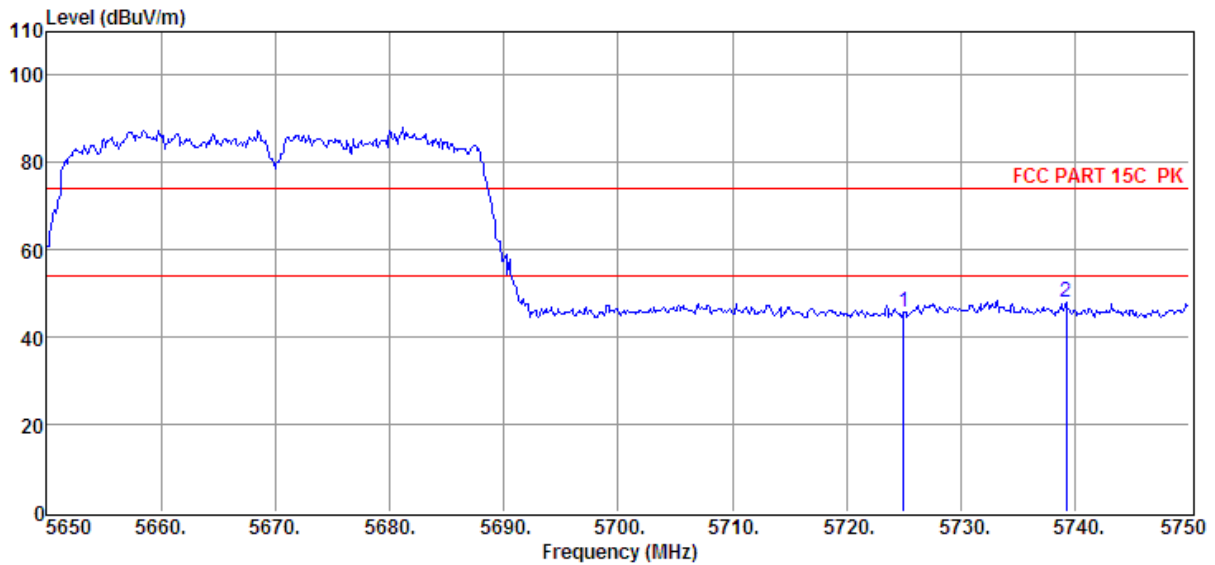
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	30.24	34.84	29.22	9.41	45.27	74.00	-28.73	Peak	HORIZONTAL
2	5737.20	33.03	34.85	29.21	9.43	48.10	74.00	-25.90	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

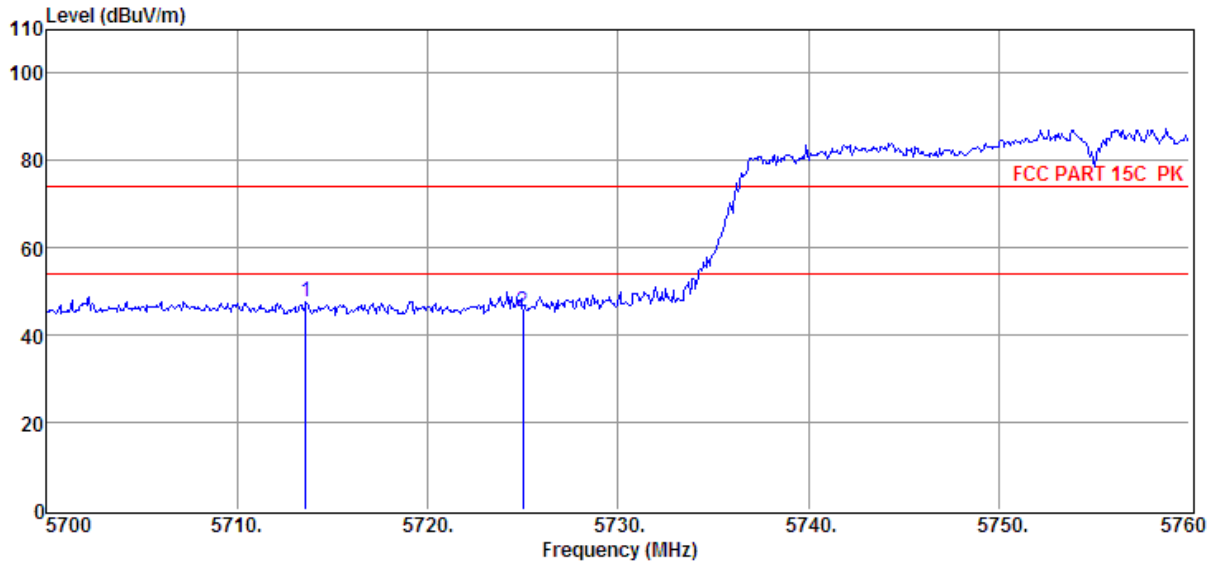


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	30.71	34.84	29.22	9.41	45.74	74.00	-28.26	Peak	VERTICAL
2	5739.20	33.00	34.85	29.21	9.43	48.07	74.00	-25.93	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.2.3.4. UNII-3 BAND

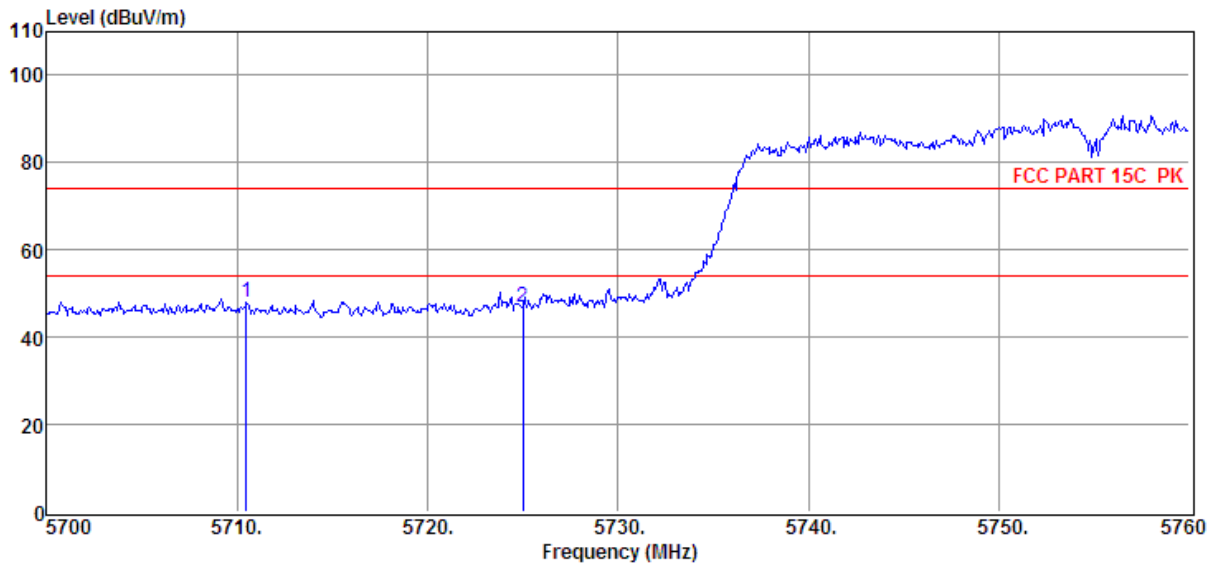
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5713.62	32.43	34.83	29.22	9.41	47.45	74.00	-26.55	Peak	HORIZONTAL
2	5725.00	30.17	34.84	29.22	9.41	45.20	74.00	-28.80	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

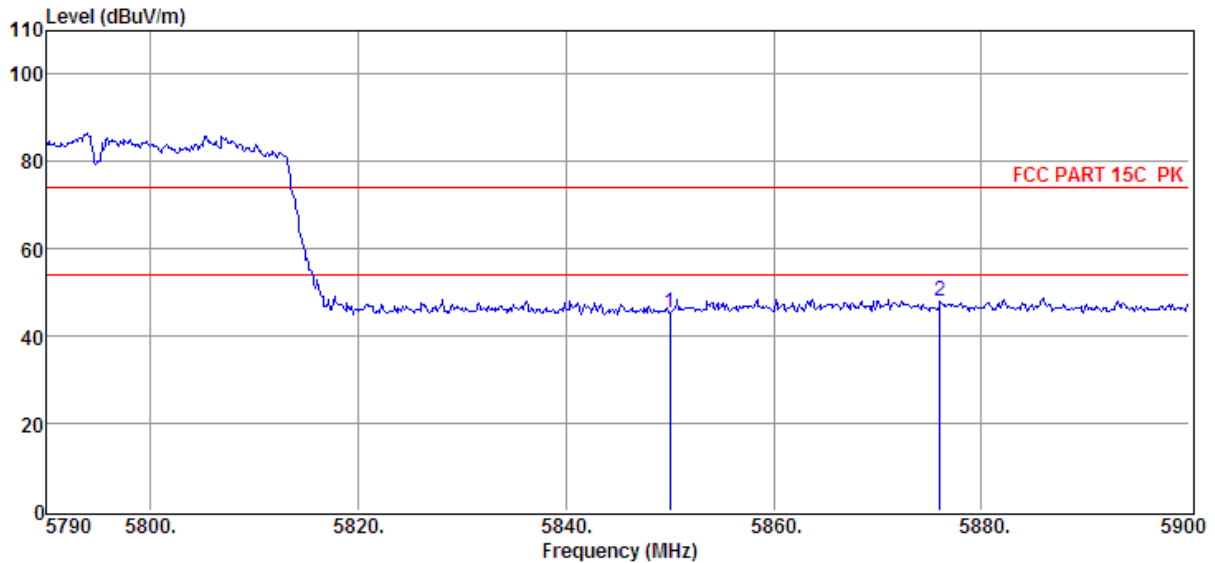
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5710.50	32.87	34.83	29.22	9.38	47.86	74.00	-26.14	Peak	VERTICAL
2	5725.00	31.90	34.84	29.22	9.41	46.93	74.00	-27.07	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

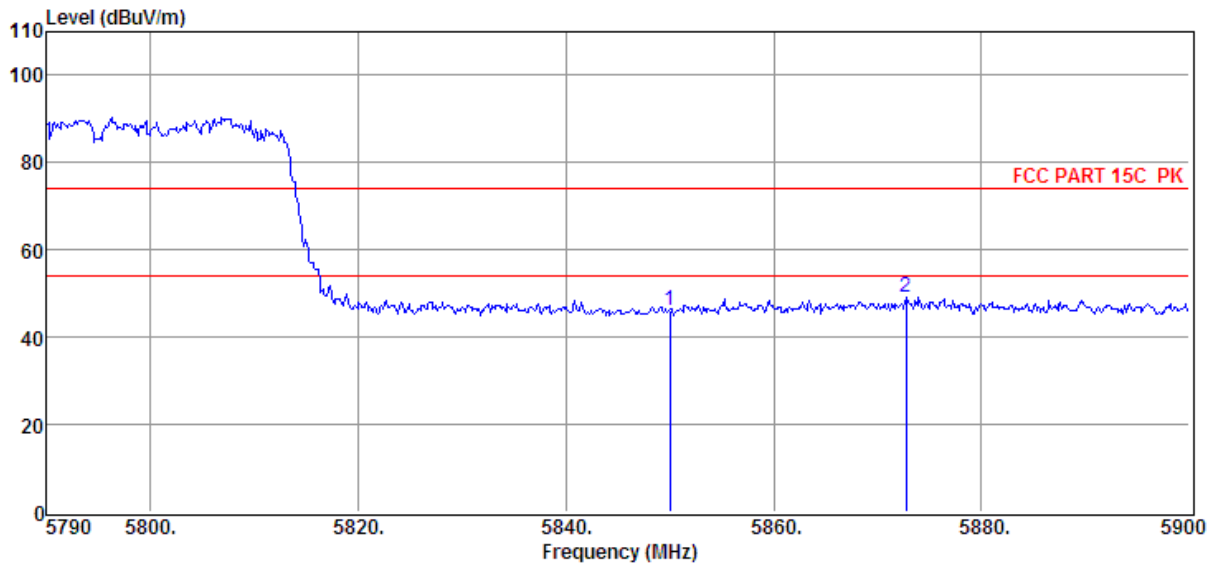
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	29.99	34.91	29.20	9.54	45.24	74.00	-28.76	Peak	HORIZONTAL
2	5876.02	32.54	34.93	29.20	9.56	47.83	74.00	-26.17	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	31.04	34.91	29.20	9.54	46.29	74.00	-27.71	Peak	VERTICAL
2	5872.72	34.03	34.93	29.20	9.56	49.32	74.00	-24.68	Peak	VERTICAL

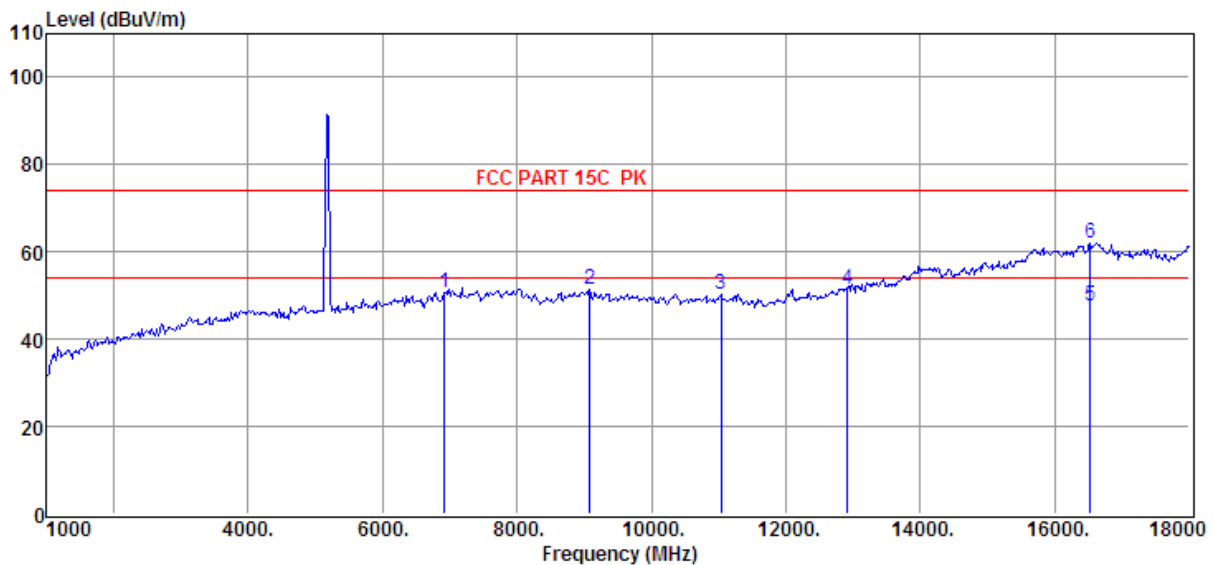
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7.3. SPURIOUS EMISSIONS (1~18GHz)

7.3.1. 802.11a MODE

7.3.1.1. UNII-1 BAND

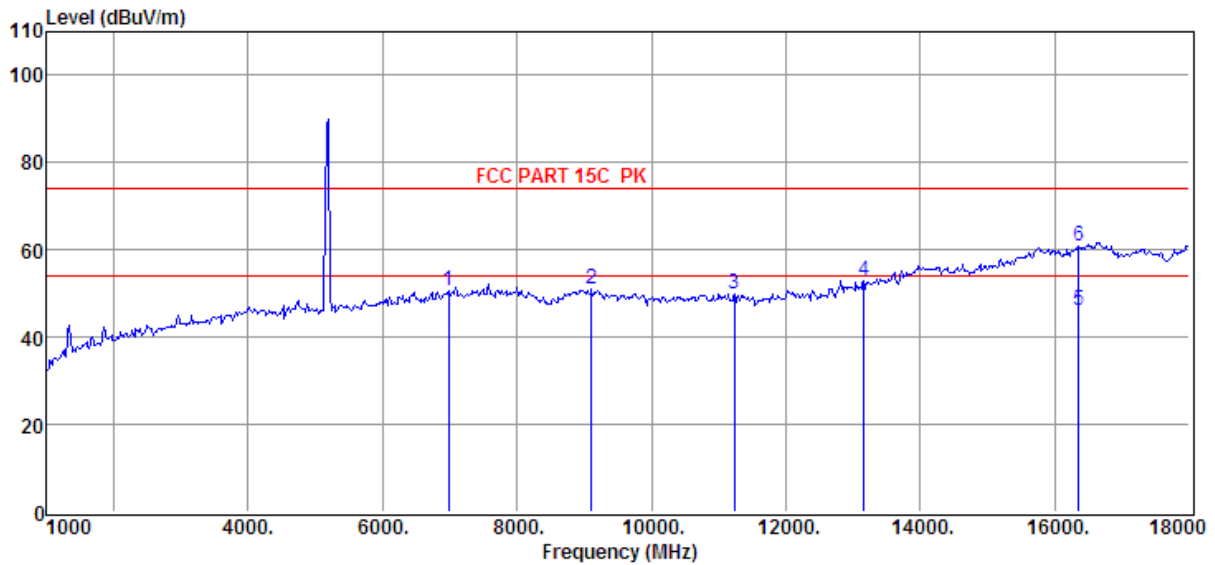
HARMONICS AND SPURIOUS EMISSIONS(LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.53	36.13	30.33	10.37	50.70	74.00	-23.30	Peak	HORIZONTAL
2	9075.00	34.47	37.33	32.35	11.89	51.34	74.00	-22.66	Peak	HORIZONTAL
3	11030.00	32.96	37.73	34.03	13.49	50.15	74.00	-23.85	Peak	HORIZONTAL
4	12917.00	33.85	38.72	35.67	14.66	51.56	74.00	-22.44	Peak	HORIZONTAL
5	16521.00	21.36	44.67	36.06	17.51	47.48	54.00	-6.52	Average	HORIZONTAL
6	16521.00	35.93	44.67	36.06	17.51	62.05	74.00	-11.95	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

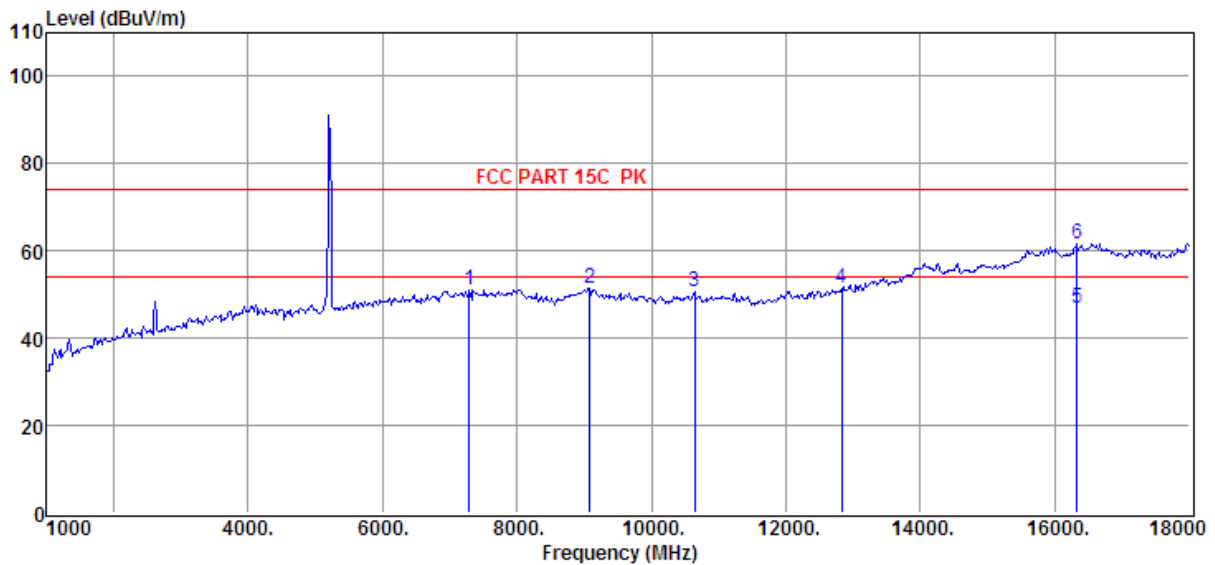
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6984.00	34.59	36.19	30.38	10.40	50.80	74.00	-23.20	Peak	VERTICAL
2	9109.00	34.31	37.26	32.36	11.95	51.16	74.00	-22.84	Peak	VERTICAL
3	11234.00	33.50	37.28	34.25	13.53	50.06	74.00	-23.94	Peak	VERTICAL
4	13155.00	34.96	38.96	35.57	14.71	53.06	74.00	-20.94	Peak	VERTICAL
5	16351.00	20.13	44.46	35.86	17.38	46.11	54.00	-7.89	Average	VERTICAL
6	16351.00	34.85	44.46	35.86	17.38	60.83	74.00	-13.17	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

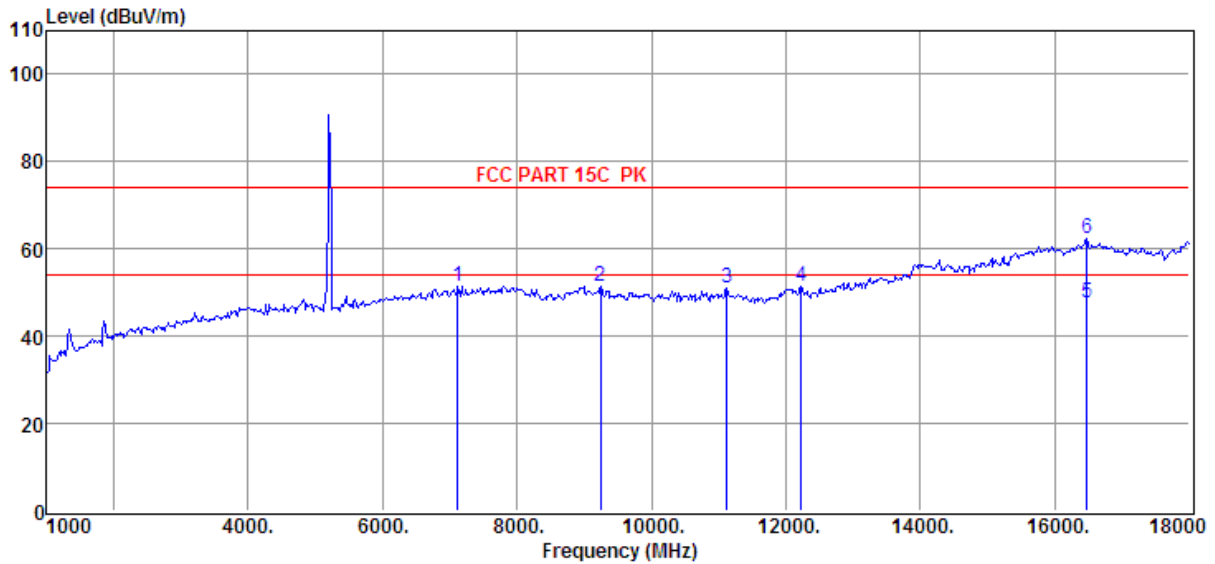
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7290.00	34.58	36.44	30.55	10.68	51.15	74.00	-22.85	Peak	HORIZONTAL
2	9075.00	34.47	37.33	32.35	11.89	51.34	74.00	-22.66	Peak	HORIZONTAL
3	10639.00	34.28	36.80	33.43	12.94	50.59	74.00	-23.41	Peak	HORIZONTAL
4	12832.00	33.60	38.63	35.61	14.66	51.28	74.00	-22.72	Peak	HORIZONTAL
5	16334.00	21.02	44.44	35.86	17.35	46.95	54.00	-7.05	Average	HORIZONTAL
6	16334.00	35.65	44.44	35.86	17.35	61.58	74.00	-12.42	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

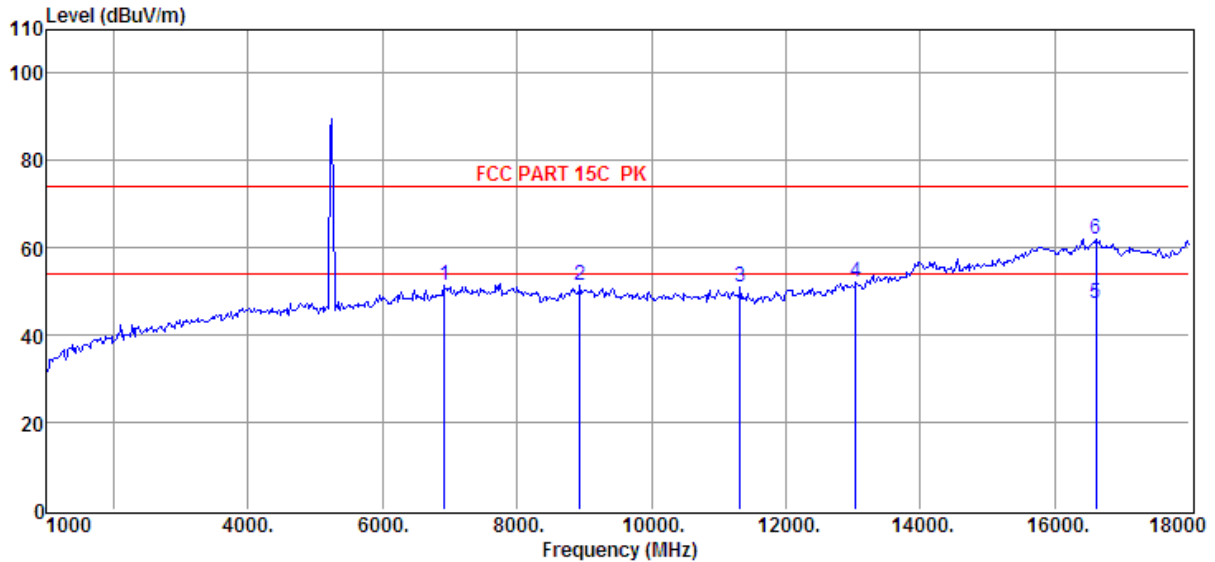
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7120.00	34.91	36.30	30.44	10.55	51.32	74.00	-22.68	Peak	VERTICAL
2	9245.00	34.71	36.95	32.45	12.09	51.30	74.00	-22.70	Peak	VERTICAL
3	11115.00	34.14	37.54	34.13	13.50	51.05	74.00	-22.95	Peak	VERTICAL
4	12220.00	33.97	37.91	34.95	14.41	51.34	74.00	-22.66	Peak	VERTICAL
5	16470.00	21.46	44.65	35.99	17.46	47.58	54.00	-6.42	Average	VERTICAL
6	16470.00	36.12	44.65	35.99	17.46	62.24	74.00	-11.76	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

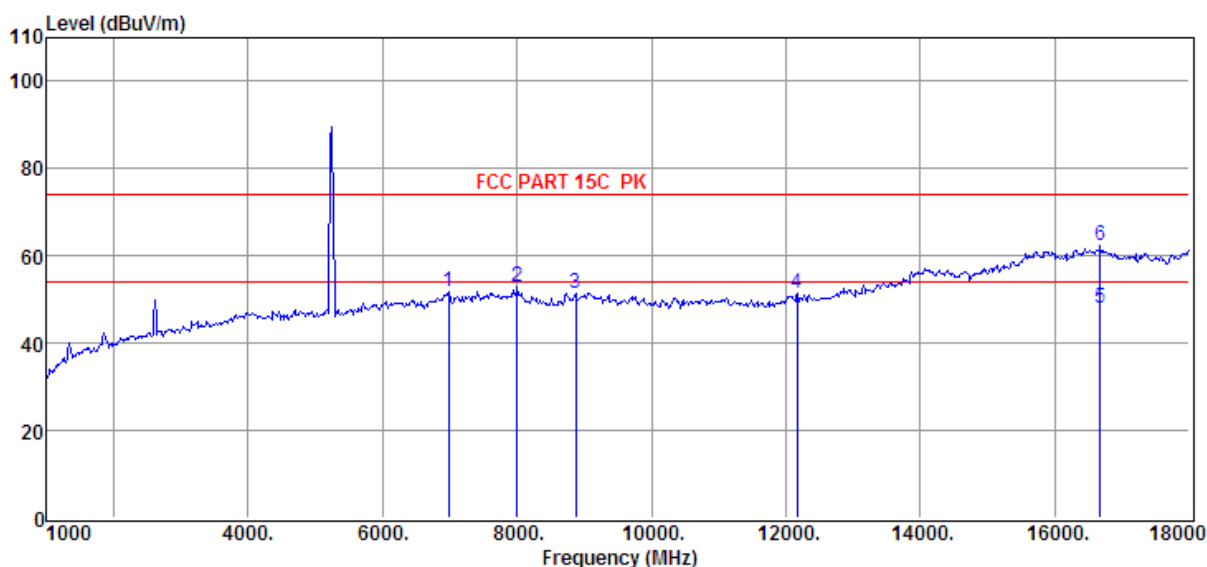
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	35.19	36.13	30.33	10.37	51.36	74.00	-22.64	Peak	HORIZONTAL
2	8939.00	34.58	37.24	32.26	11.79	51.35	74.00	-22.65	Peak	HORIZONTAL
3	11319.00	34.63	37.09	34.38	13.54	50.88	74.00	-23.12	Peak	HORIZONTAL
4	13036.00	34.25	38.84	35.67	14.68	52.10	74.00	-21.90	Peak	HORIZONTAL
5	16606.00	21.35	44.53	36.21	17.71	47.38	54.00	-6.62	Average	HORIZONTAL
6	16606.00	36.04	44.53	36.21	17.71	62.07	74.00	-11.93	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

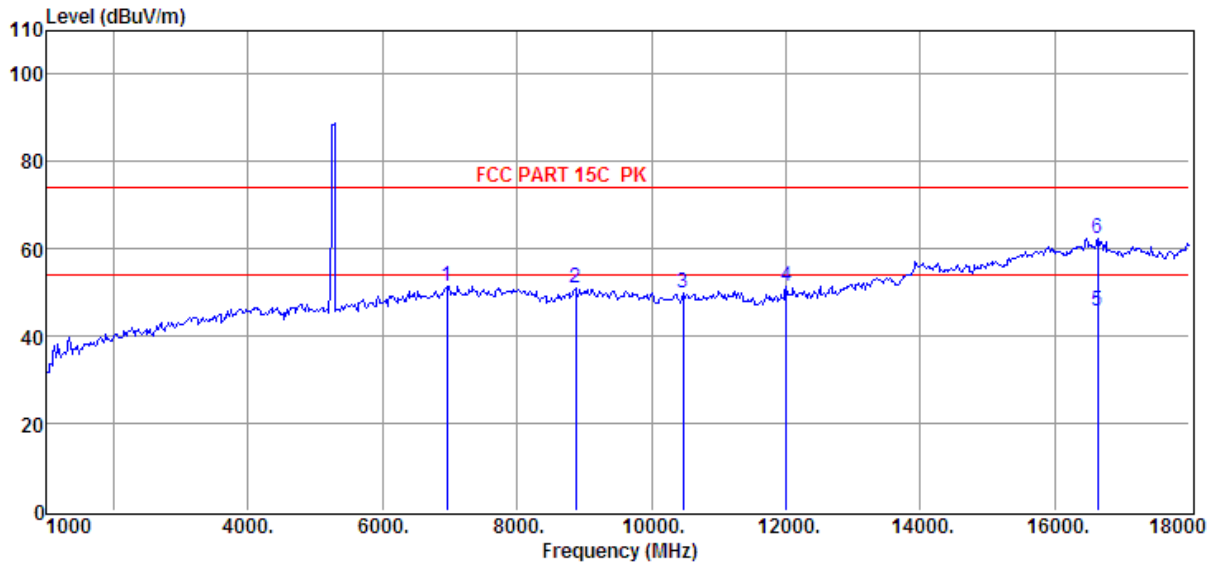


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6984.00	35.64	36.19	30.38	10.40	51.85	74.00	-22.15	Peak	VERTICAL
2	8004.00	36.05	36.69	31.13	11.13	52.74	74.00	-21.26	Peak	VERTICAL
3	8871.00	34.93	36.94	32.22	11.77	51.42	74.00	-22.58	Peak	VERTICAL
4	12169.00	34.13	37.84	34.90	14.36	51.43	74.00	-22.57	Peak	VERTICAL
5	16674.00	22.10	44.42	36.28	17.84	48.08	54.00	-5.92	Average	VERTICAL
6	16674.00	36.23	44.42	36.28	17.84	62.21	74.00	-11.79	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.1.2. UNII-2A BAND

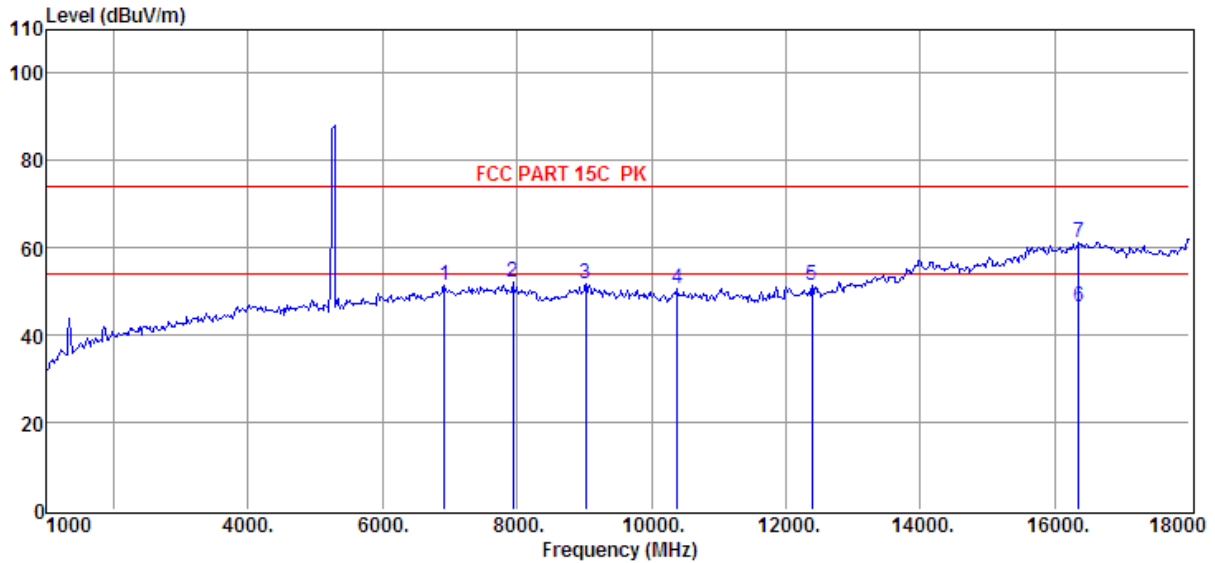
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.30	36.16	30.34	10.39	51.51	74.00	-22.49	Peak	HORIZONTAL
2	8871.00	34.51	36.94	32.22	11.77	51.00	74.00	-23.00	Peak	HORIZONTAL
3	10469.00	33.92	36.43	33.25	12.69	49.79	74.00	-24.21	Peak	HORIZONTAL
4	11999.00	34.38	37.60	34.80	14.23	51.41	74.00	-22.59	Peak	HORIZONTAL
5	16640.00	19.99	44.47	36.28	17.74	45.92	54.00	-8.08	Average	HORIZONTAL
6	16640.00	36.50	44.47	36.28	17.74	62.43	74.00	-11.57	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

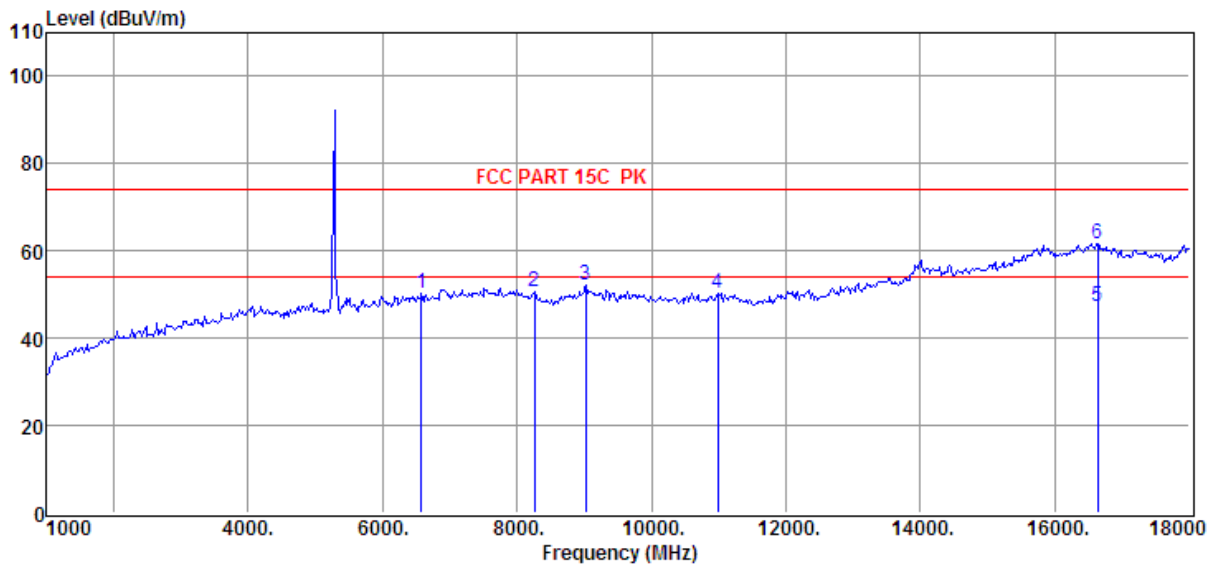
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	35.22	36.13	30.33	10.37	51.39	74.00	-22.61	Peak	VERTICAL
2	7936.00	35.51	36.69	31.11	11.10	52.19	74.00	-21.81	Peak	VERTICAL
3	9024.00	34.71	37.45	32.33	11.83	51.66	74.00	-22.34	Peak	VERTICAL
4	10384.00	34.61	36.51	33.17	12.65	50.60	74.00	-23.40	Peak	VERTICAL
5	12390.00	33.84	38.15	35.12	14.55	51.42	74.00	-22.58	Peak	VERTICAL
6	16351.00	20.37	44.46	35.86	17.38	46.35	54.00	-7.65	Average	VERTICAL
7	16351.00	35.13	44.46	35.86	17.38	61.11	74.00	-12.89	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

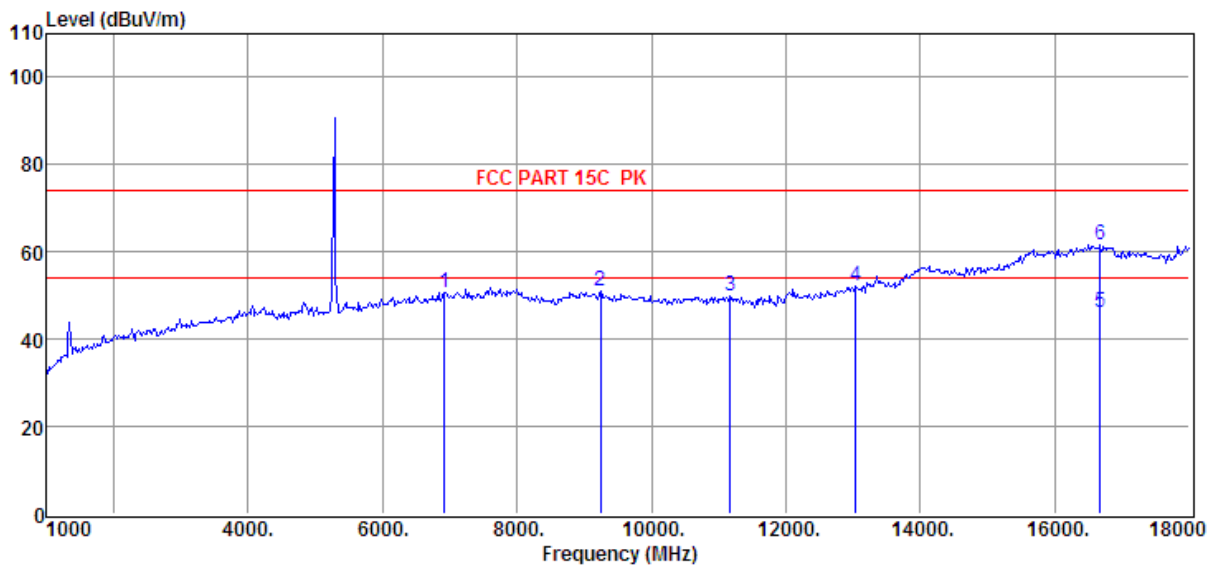
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6576.00	34.30	35.86	29.97	10.01	50.20	74.00	-23.80	Peak	HORIZONTAL
2	8259.00	34.63	35.96	31.39	11.42	50.62	74.00	-23.38	Peak	HORIZONTAL
3	9024.00	35.32	37.45	32.33	11.83	52.27	74.00	-21.73	Peak	HORIZONTAL
4	10979.00	33.03	37.74	33.92	13.45	50.30	74.00	-23.70	Peak	HORIZONTAL
5	16640.00	21.41	44.47	36.28	17.74	47.34	54.00	-6.66	Average	HORIZONTAL
6	16640.00	35.82	44.47	36.28	17.74	61.75	74.00	-12.25	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

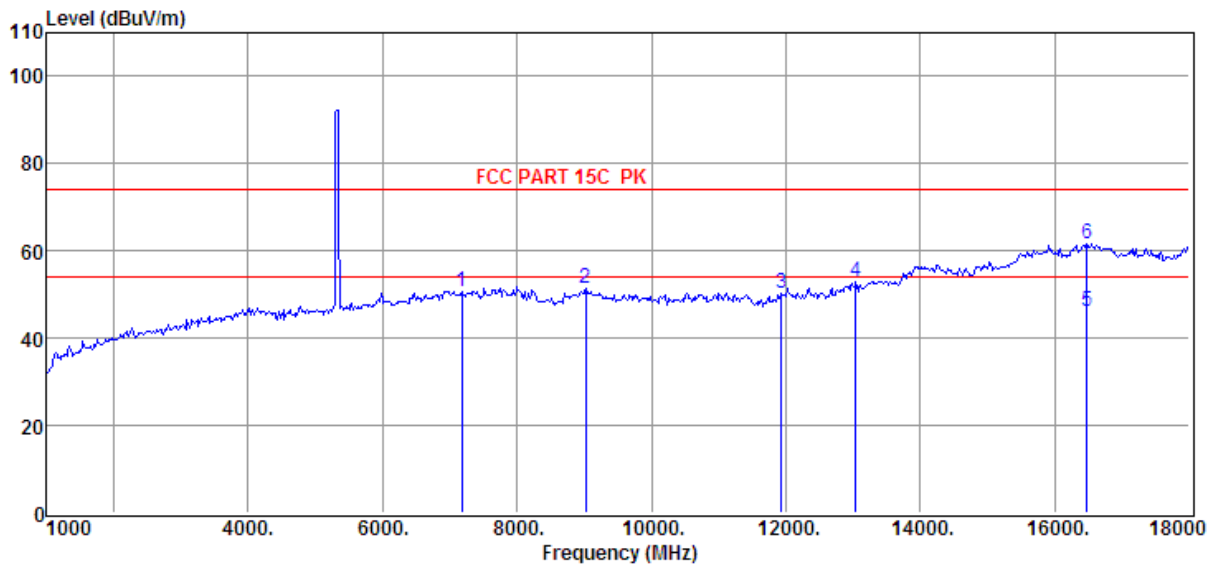
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.58	36.13	30.33	10.37	50.75	74.00	-23.25	Peak	VERTICAL
2	9245.00	34.28	36.95	32.45	12.09	50.87	74.00	-23.13	Peak	VERTICAL
3	11166.00	33.23	37.43	34.21	13.52	49.97	74.00	-24.03	Peak	VERTICAL
4	13036.00	34.30	38.84	35.67	14.68	52.15	74.00	-21.85	Peak	VERTICAL
5	16674.00	20.15	44.42	36.28	17.84	46.13	54.00	-7.87	Average	VERTICAL
6	16674.00	35.65	44.42	36.28	17.84	61.63	74.00	-12.37	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

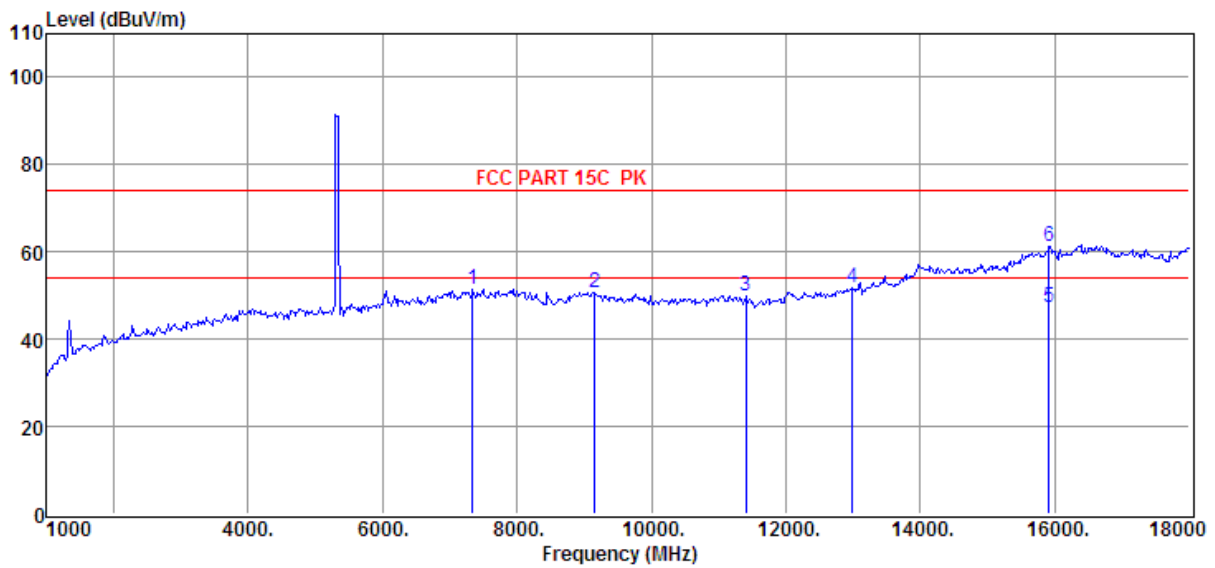
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7171.00	34.27	36.34	30.48	10.57	50.70	74.00	-23.30	Peak	HORIZONTAL
2	9024.00	34.43	37.45	32.33	11.83	51.38	74.00	-22.62	Peak	HORIZONTAL
3	11931.00	33.55	37.48	34.77	14.16	50.42	74.00	-23.58	Peak	HORIZONTAL
4	13036.00	34.91	38.84	35.67	14.68	52.76	74.00	-21.24	Peak	HORIZONTAL
5	16470.00	20.05	44.65	35.99	17.46	46.17	54.00	-7.83	Average	HORIZONTAL
6	16470.00	35.46	44.65	35.99	17.46	61.58	74.00	-12.42	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

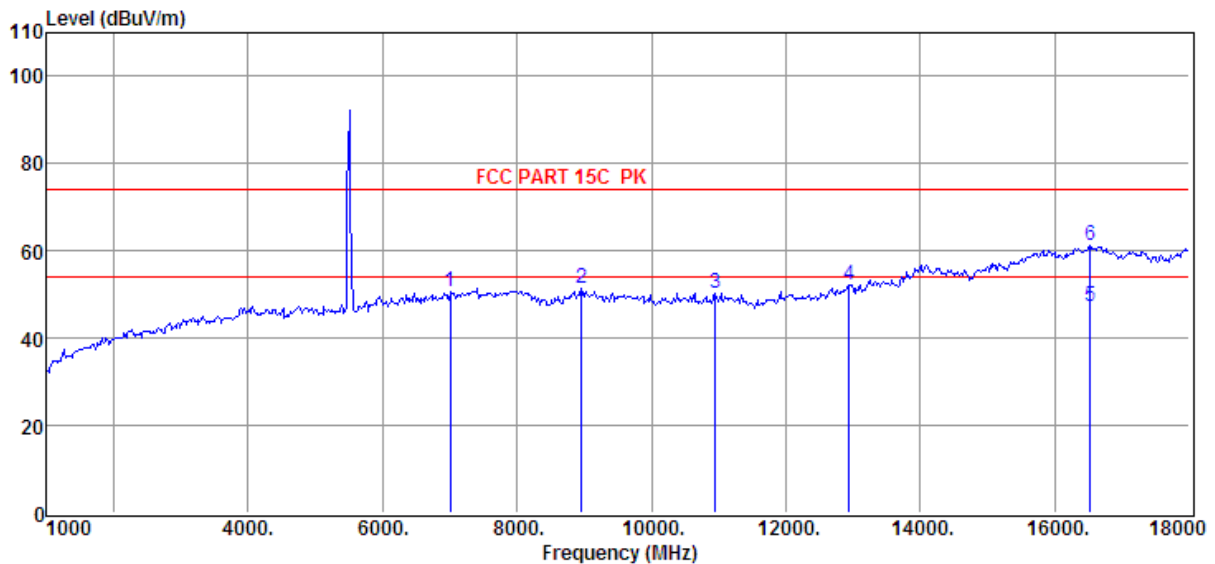


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	34.91	36.48	30.59	10.72	51.52	74.00	-22.48	Peak	VERTICAL
2	9160.00	34.07	37.14	32.39	12.01	50.83	74.00	-23.17	Peak	VERTICAL
3	11404.00	33.88	36.91	34.43	13.57	49.93	74.00	-24.07	Peak	VERTICAL
4	12985.00	34.01	38.79	35.70	14.67	51.77	74.00	-22.23	Peak	VERTICAL
5	15909.00	22.10	43.74	35.50	16.96	47.30	54.00	-6.70	Average	VERTICAL
6	15909.00	36.21	43.74	35.50	16.96	61.41	74.00	-12.59	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.1.3. UNII-2C BAND

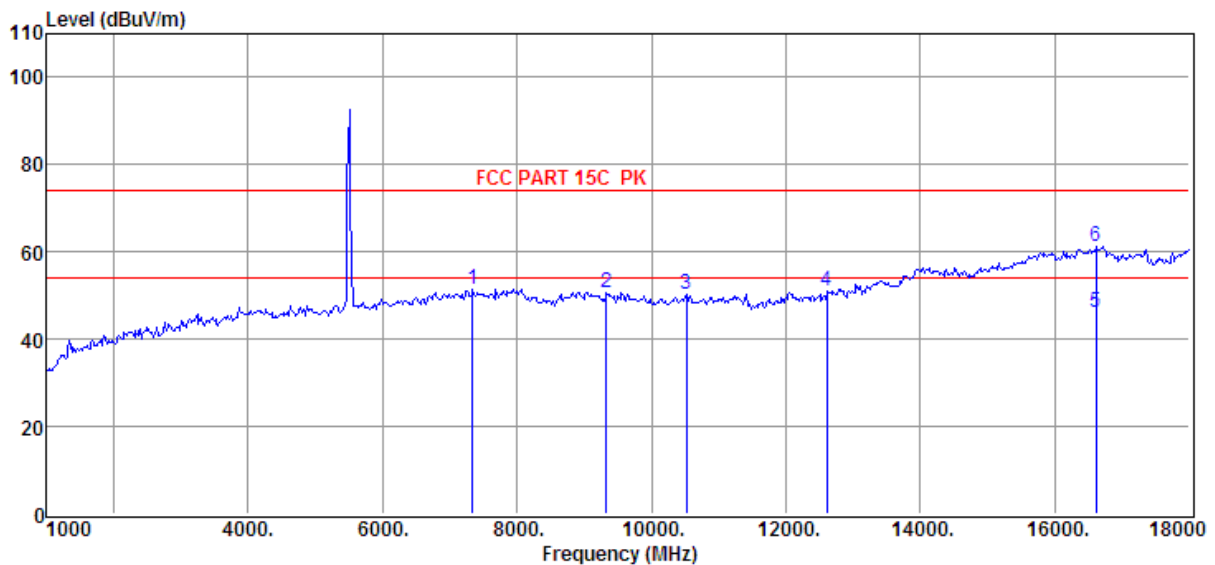
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7001.00	34.39	36.20	30.39	10.44	50.64	74.00	-23.36	Peak	HORIZONTAL
2	8956.00	34.49	37.31	32.28	11.79	51.31	74.00	-22.69	Peak	HORIZONTAL
3	10945.00	32.94	37.65	33.80	13.39	50.18	74.00	-23.82	Peak	HORIZONTAL
4	12934.00	34.45	38.74	35.67	14.67	52.19	74.00	-21.81	Peak	HORIZONTAL
5	16521.00	21.05	44.67	36.06	17.51	47.17	54.00	-6.83	Average	HORIZONTAL
6	16521.00	35.02	44.67	36.06	17.51	61.14	74.00	-12.86	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

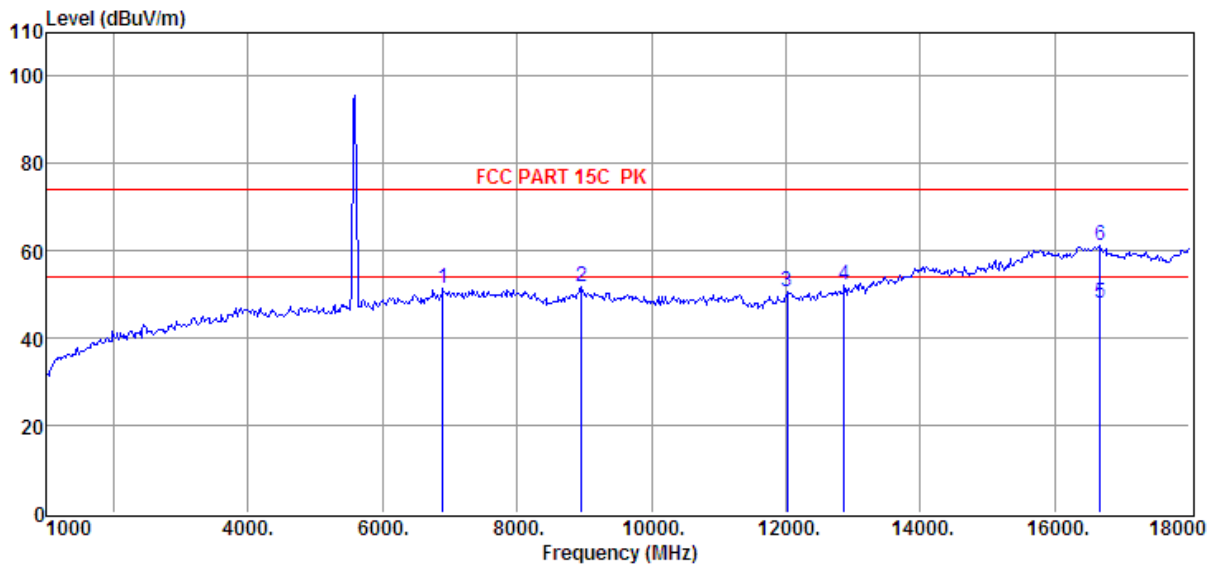
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	34.70	36.48	30.59	10.72	51.31	74.00	-22.69	Peak	VERTICAL
2	9330.00	34.28	36.77	32.50	12.16	50.71	74.00	-23.29	Peak	VERTICAL
3	10520.00	34.52	36.46	33.28	12.74	50.44	74.00	-23.56	Peak	VERTICAL
4	12611.00	33.16	38.41	35.36	14.65	50.86	74.00	-23.14	Peak	VERTICAL
5	16606.00	20.12	44.53	36.21	17.71	46.15	54.00	-7.85	Average	VERTICAL
6	16606.00	35.21	44.53	36.21	17.71	61.24	74.00	-12.76	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

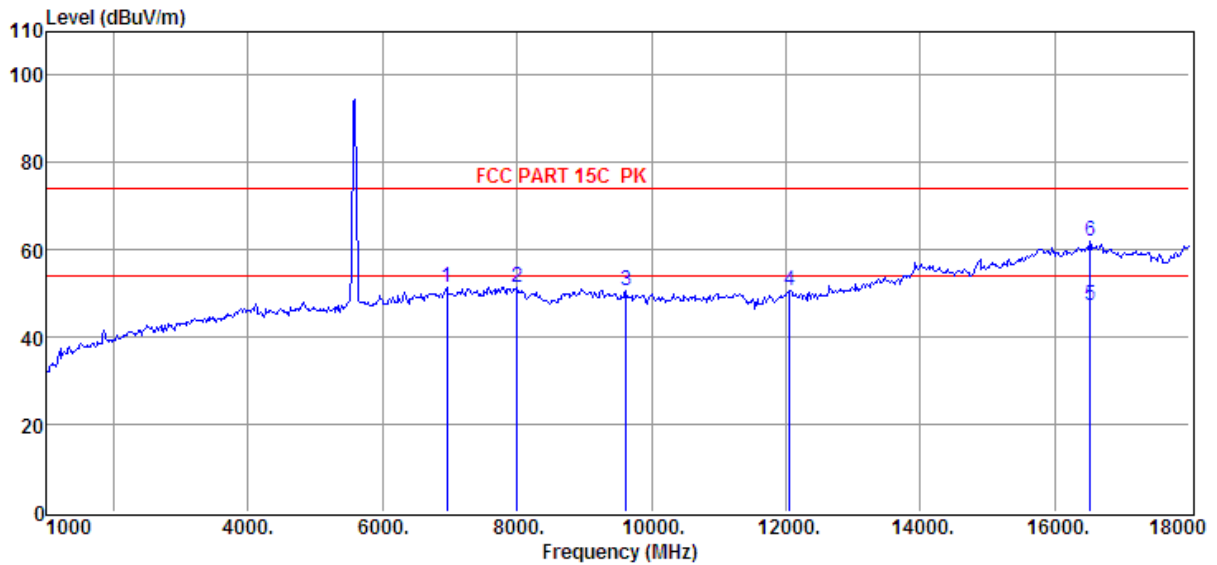
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6899.00	35.19	36.12	30.31	10.33	51.33	74.00	-22.67	Peak	HORIZONTAL
2	8956.00	34.98	37.31	32.28	11.79	51.80	74.00	-22.20	Peak	HORIZONTAL
3	12016.00	33.42	37.62	34.80	14.24	50.48	74.00	-23.52	Peak	HORIZONTAL
4	12866.00	34.46	38.67	35.64	14.66	52.15	74.00	-21.85	Peak	HORIZONTAL
5	16674.00	22.10	44.42	36.28	17.84	48.08	54.00	-5.92	Average	HORIZONTAL
6	16674.00	35.40	44.42	36.28	17.84	61.38	74.00	-12.62	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

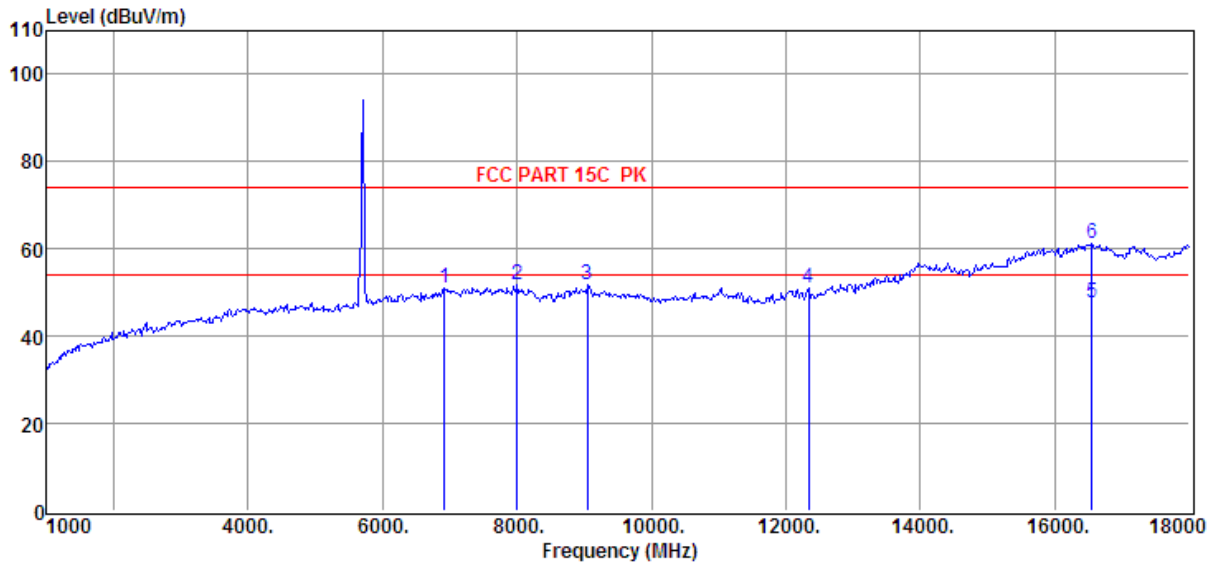
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.21	36.16	30.34	10.39	51.42	74.00	-22.58	Peak	VERTICAL
2	8004.00	34.70	36.69	31.13	11.13	51.39	74.00	-22.61	Peak	VERTICAL
3	9619.00	34.66	36.52	32.73	12.38	50.83	74.00	-23.17	Peak	VERTICAL
4	12050.00	33.57	37.67	34.82	14.26	50.68	74.00	-23.32	Peak	VERTICAL
5	16521.00	21.12	44.67	36.06	17.51	47.24	54.00	-6.76	Average	VERTICAL
6	16521.00	35.74	44.67	36.06	17.51	61.86	74.00	-12.14	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

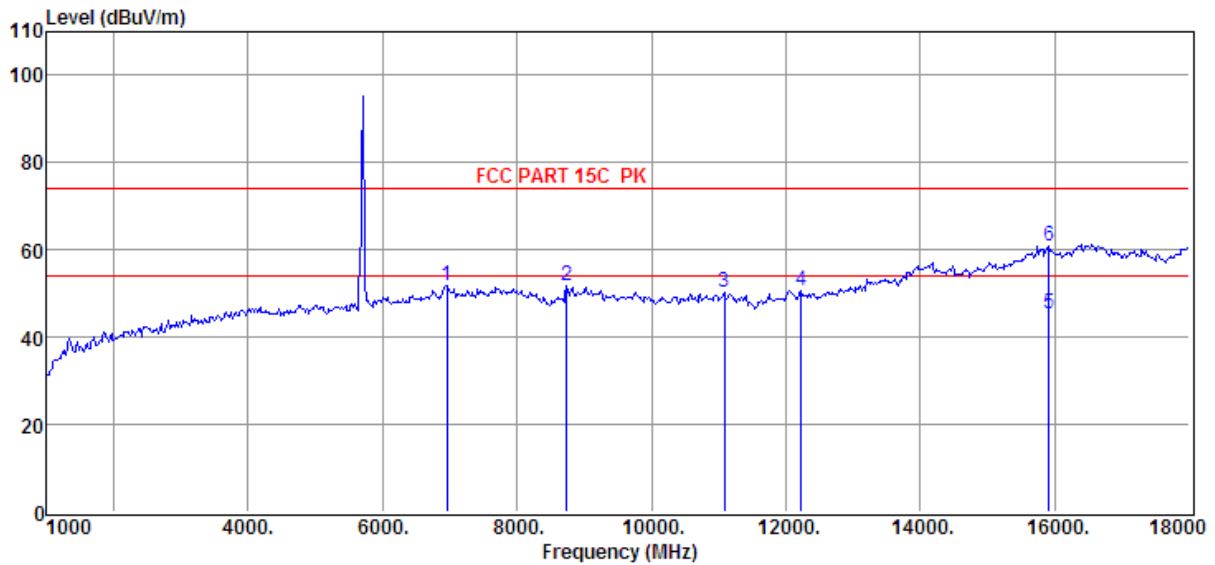
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.96	36.13	30.33	10.37	51.13	74.00	-22.87	Peak	HORIZONTAL
2	8004.00	34.97	36.69	31.13	11.13	51.66	74.00	-22.34	Peak	HORIZONTAL
3	9041.00	34.66	37.41	32.34	11.87	51.60	74.00	-22.40	Peak	HORIZONTAL
4	12339.00	33.45	38.08	35.08	14.51	50.96	74.00	-23.04	Peak	HORIZONTAL
5	16555.00	21.38	44.61	36.14	17.61	47.46	54.00	-6.54	Average	HORIZONTAL
6	16555.00	35.28	44.61	36.14	17.61	61.36	74.00	-12.64	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

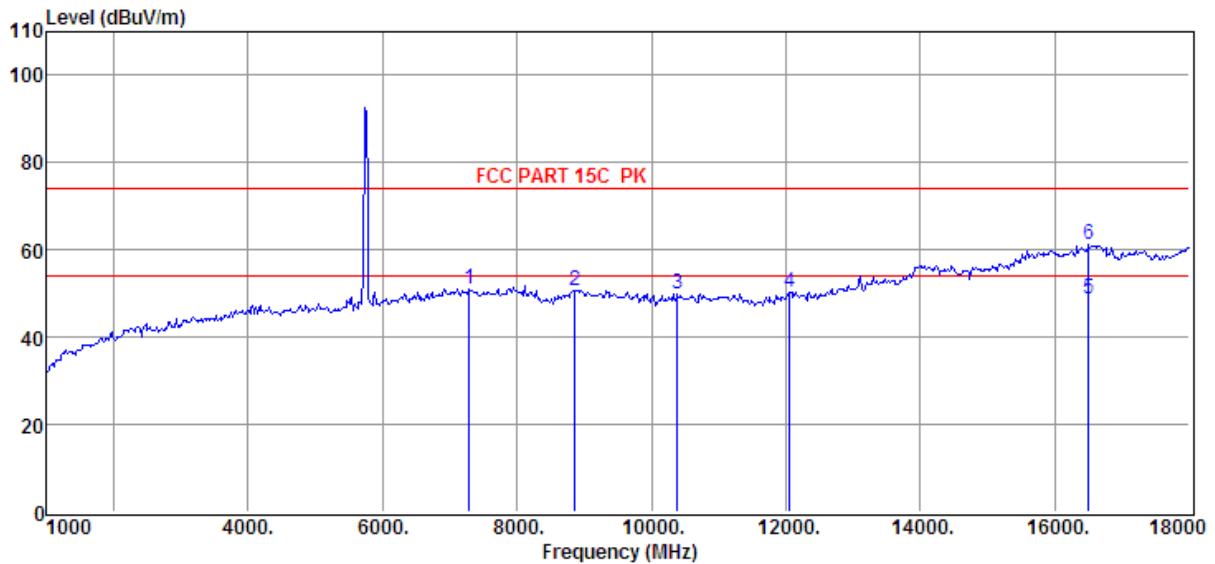


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.75	36.16	30.34	10.39	51.96	74.00	-22.04	Peak	VERTICAL
2	8735.00	35.65	36.35	32.07	11.73	51.66	74.00	-22.34	Peak	VERTICAL
3	11081.00	33.41	37.62	34.08	13.50	50.45	74.00	-23.55	Peak	VERTICAL
4	12220.00	33.24	37.91	34.95	14.41	50.61	74.00	-23.39	Peak	VERTICAL
5	15909.00	20.22	43.74	35.50	16.96	45.42	54.00	-8.58	Average	VERTICAL
6	15909.00	35.62	43.74	35.50	16.96	60.82	74.00	-13.18	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.1.4. UNII-3 BAND

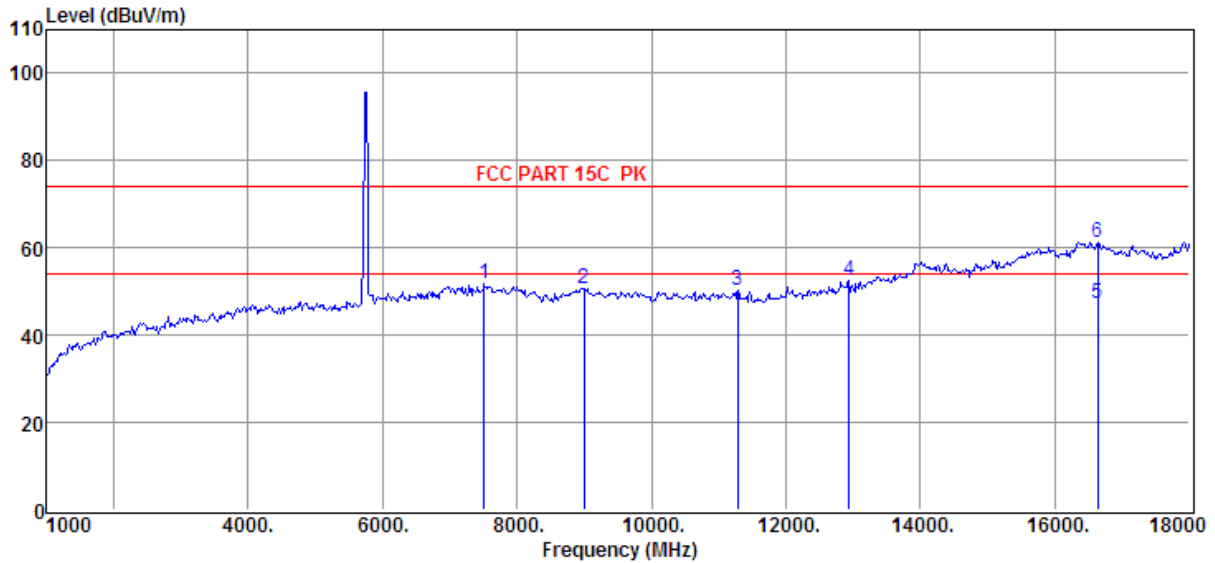
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	7290.00	34.62	36.44	30.55	10.68	51.19	74.00	-22.81	Peak	HORIZONTAL
2	8854.00	34.32	36.87	32.22	11.76	50.73	74.00	-23.27	Peak	HORIZONTAL
3	10384.00	33.82	36.51	33.17	12.65	49.81	74.00	-24.19	Peak	HORIZONTAL
4	12050.00	33.17	37.67	34.82	14.26	50.28	74.00	-23.72	Peak	HORIZONTAL
5	16504.00	22.55	44.69	36.06	17.51	48.69	54.00	-5.31	Average	HORIZONTAL
6	16504.00	35.06	44.69	36.06	17.51	61.20	74.00	-12.80	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

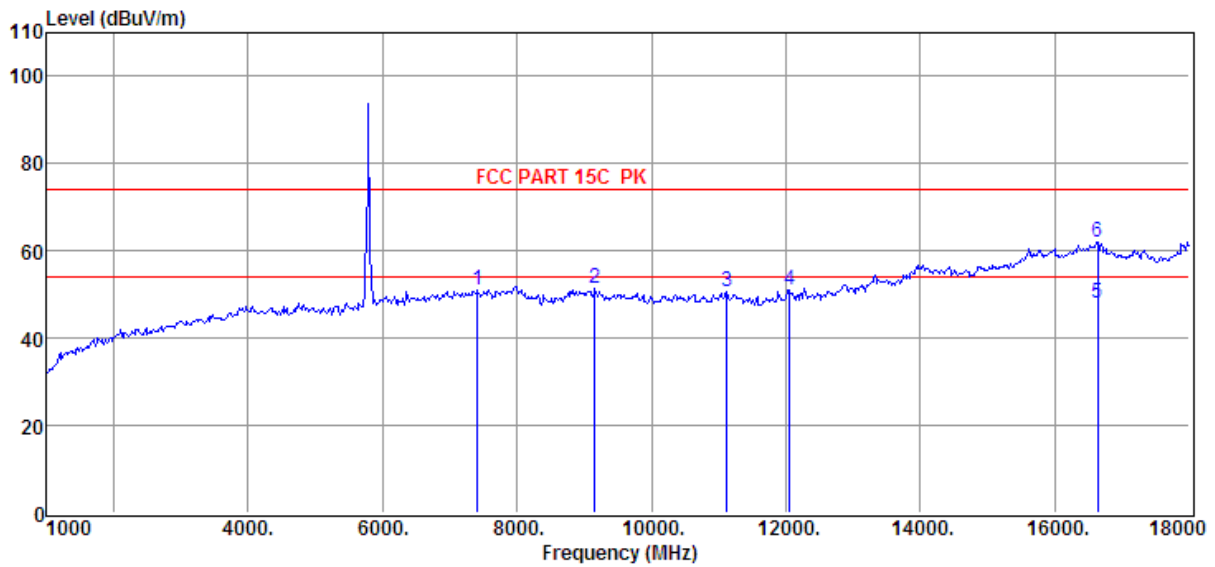
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7511.00	34.92	36.60	30.78	10.87	51.61	74.00	-22.39	Peak	VERTICAL
2	8990.00	33.66	37.46	32.32	11.81	50.61	74.00	-23.39	Peak	VERTICAL
3	11285.00	33.83	37.17	34.35	13.54	50.19	74.00	-23.81	Peak	VERTICAL
4	12934.00	34.76	38.74	35.67	14.67	52.50	74.00	-21.50	Peak	VERTICAL
5	16640.00	21.46	44.47	36.28	17.74	47.39	54.00	-6.61	Average	VERTICAL
6	16640.00	35.39	44.47	36.28	17.74	61.32	74.00	-12.68	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

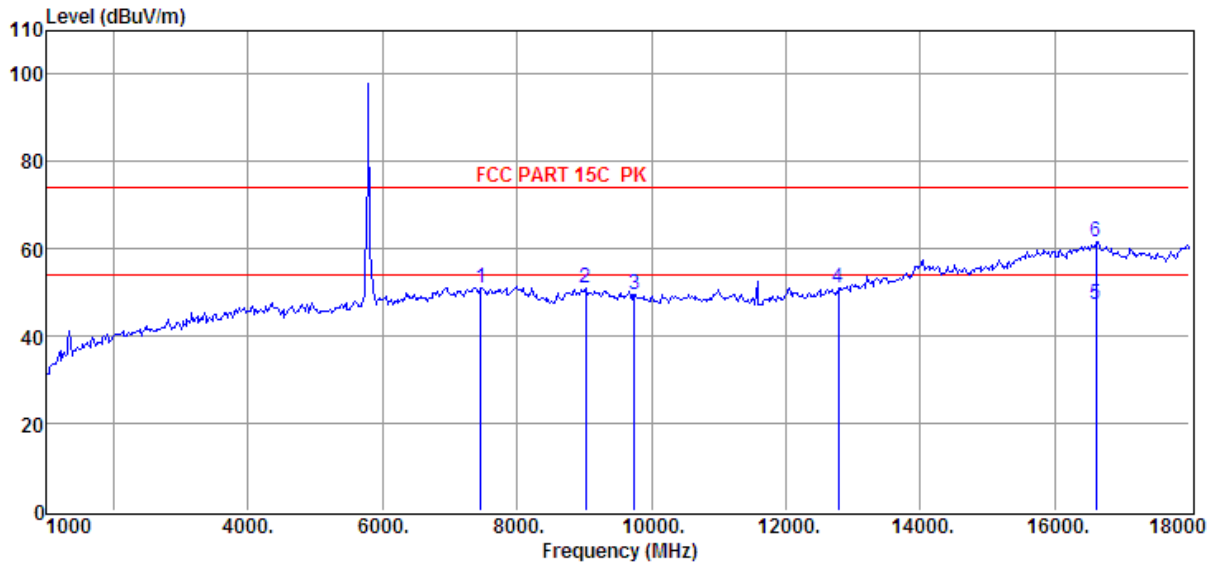
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7409.00	34.44	36.53	30.67	10.78	51.08	74.00	-22.92	Peak	HORIZONTAL
2	9160.00	34.79	37.14	32.39	12.01	51.55	74.00	-22.45	Peak	HORIZONTAL
3	11115.00	33.66	37.54	34.13	13.50	50.57	74.00	-23.43	Peak	HORIZONTAL
4	12050.00	33.95	37.67	34.82	14.26	51.06	74.00	-22.94	Peak	HORIZONTAL
5	16640.00	22.13	44.47	36.28	17.74	48.06	54.00	-5.94	Average	HORIZONTAL
6	16640.00	36.14	44.47	36.28	17.74	62.07	74.00	-11.93	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

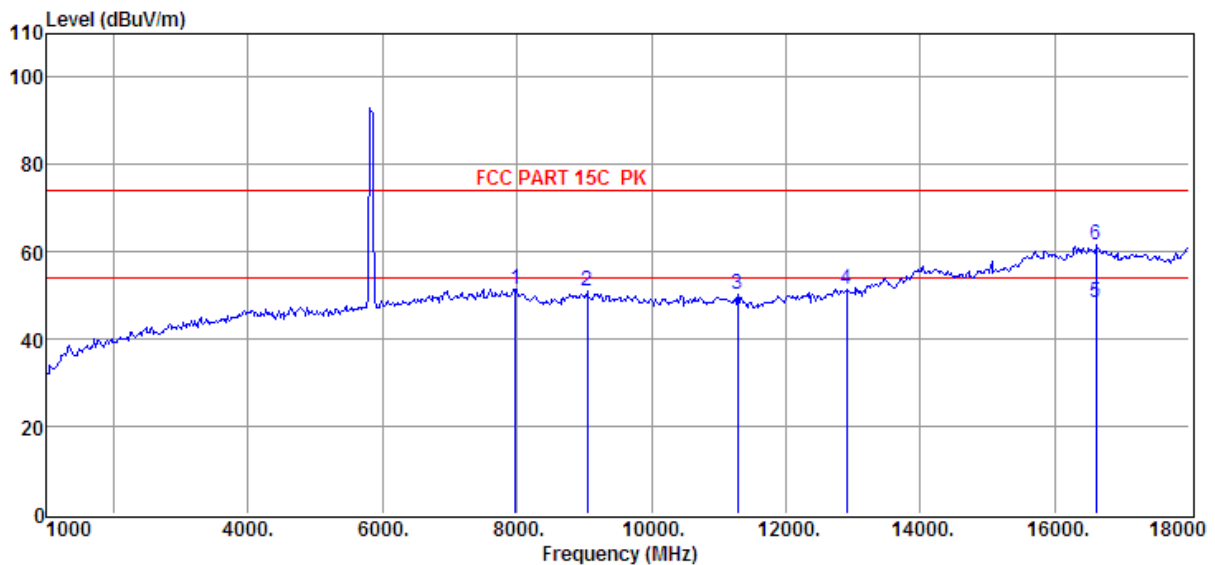
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7460.00	34.54	36.57	30.73	10.83	51.21	74.00	-22.79	Peak	VERTICAL
2	9024.00	33.90	37.45	32.33	11.83	50.85	74.00	-23.15	Peak	VERTICAL
3	9738.00	33.45	36.64	32.80	12.40	49.69	74.00	-24.31	Peak	VERTICAL
4	12781.00	33.33	38.58	35.58	14.66	50.99	74.00	-23.01	Peak	VERTICAL
5	16606.00	21.35	44.53	36.21	17.71	47.38	54.00	-6.62	Average	VERTICAL
6	16606.00	35.71	44.53	36.21	17.71	61.74	74.00	-12.26	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

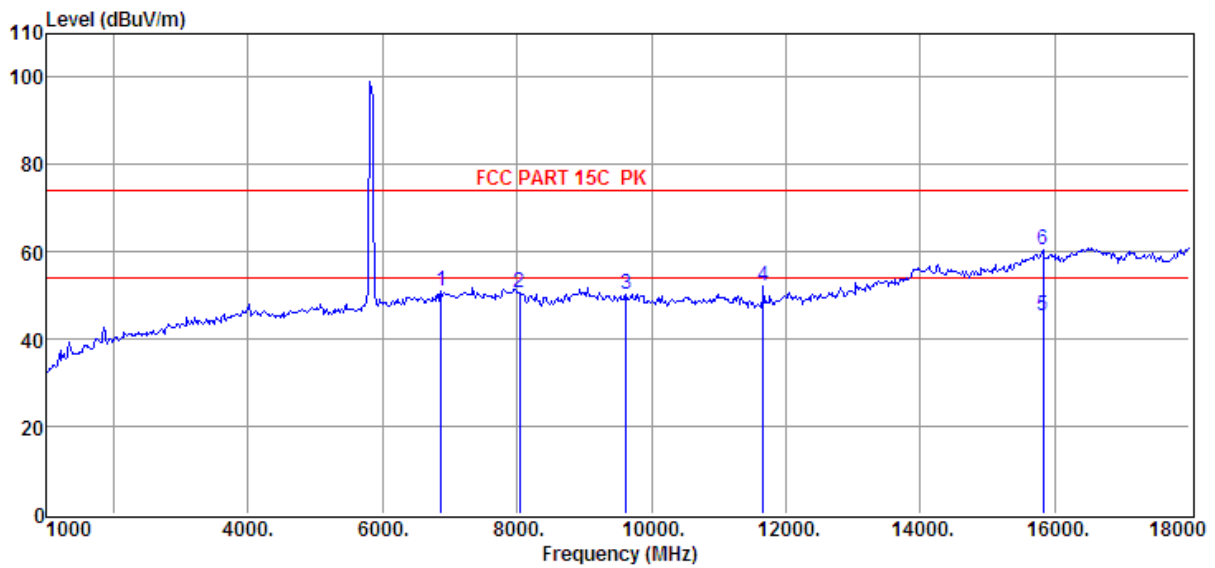
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7970.00	34.83	36.69	31.12	11.12	51.52	74.00	-22.48	Peak	HORIZONTAL
2	9041.00	34.09	37.41	32.34	11.87	51.03	74.00	-22.97	Peak	HORIZONTAL
3	11285.00	33.89	37.17	34.35	13.54	50.25	74.00	-23.75	Peak	HORIZONTAL
4	12900.00	33.62	38.70	35.64	14.66	51.34	74.00	-22.66	Peak	HORIZONTAL
5	16606.00	22.20	44.53	36.21	17.71	48.23	54.00	-5.77	Average	HORIZONTAL
6	16606.00	35.46	44.53	36.21	17.71	61.49	74.00	-12.51	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



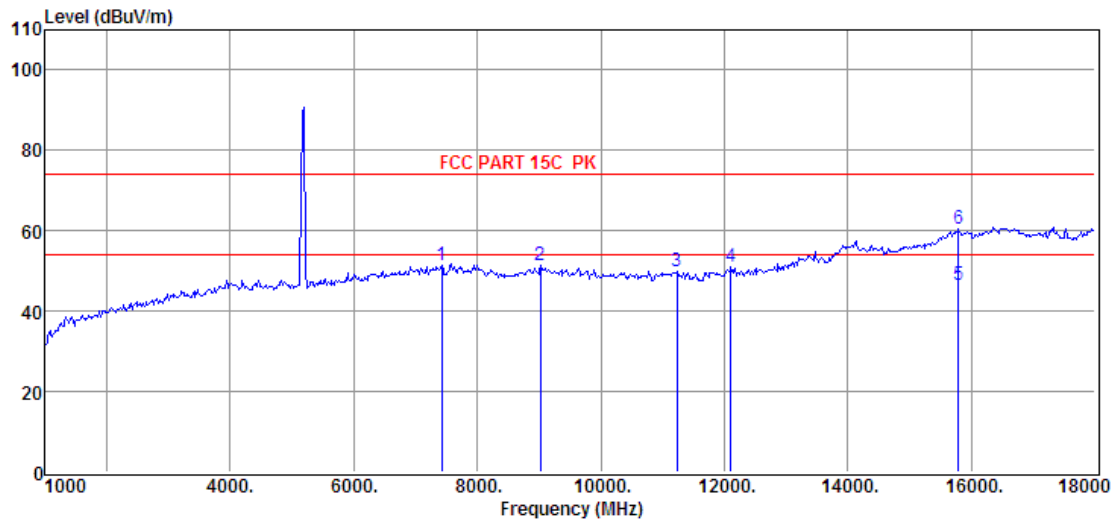
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6865.00	34.99	36.09	30.28	10.31	51.11	74.00	-22.89	Peak	VERTICAL
2	8038.00	33.91	36.59	31.17	11.18	50.51	74.00	-23.49	Peak	VERTICAL
3	9619.00	34.15	36.52	32.73	12.38	50.32	74.00	-23.68	Peak	VERTICAL
4	11659.00	35.92	36.99	34.62	13.81	52.10	74.00	-21.90	Peak	VERTICAL
5	15824.00	20.36	43.59	35.55	16.88	45.28	54.00	-8.72	Average	VERTICAL
6	15824.00	35.70	43.59	35.55	16.88	60.62	74.00	-13.38	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.2. 802.11n HT 20 MODE

7.3.2.1. UNII-1 BAND

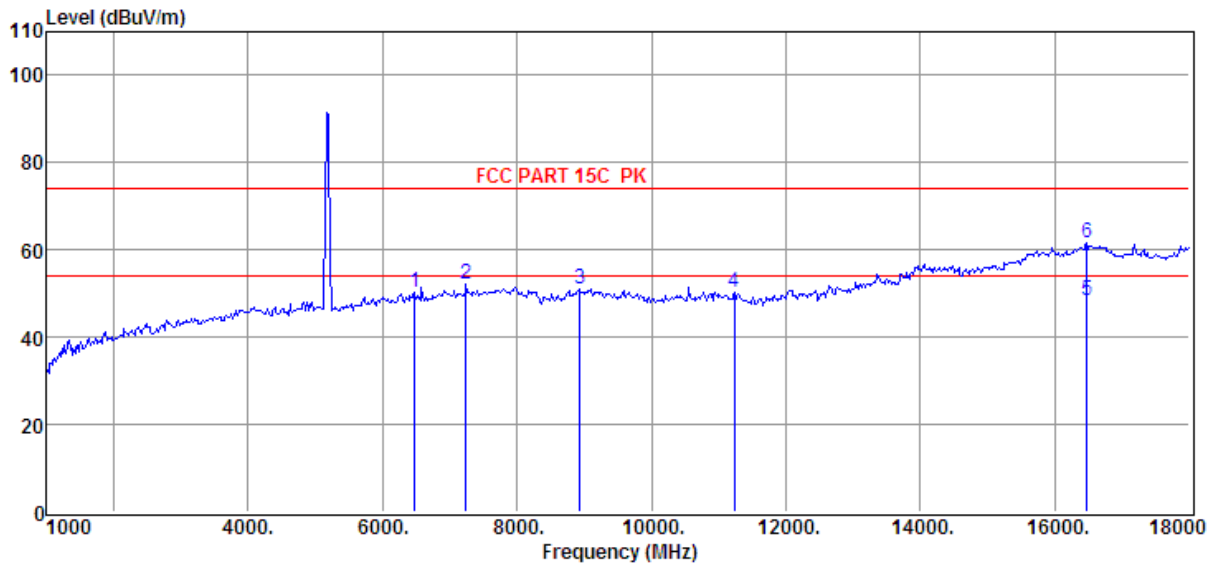
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7426.00	34.61	36.54	30.70	10.78	51.23	74.00	-22.77	Peak	HORIZONTAL
2	9024.00	34.35	37.45	32.33	11.83	51.30	74.00	-22.70	Peak	HORIZONTAL
3	11234.00	33.21	37.28	34.25	13.53	49.77	74.00	-24.23	Peak	HORIZONTAL
4	12101.00	33.76	37.74	34.87	14.30	50.93	74.00	-23.07	Peak	HORIZONTAL
5	15790.00	21.89	43.53	35.56	16.82	46.68	54.00	-7.32	Average	HORIZONTAL
6	15790.00	35.69	43.53	35.56	16.82	60.48	74.00	-13.52	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

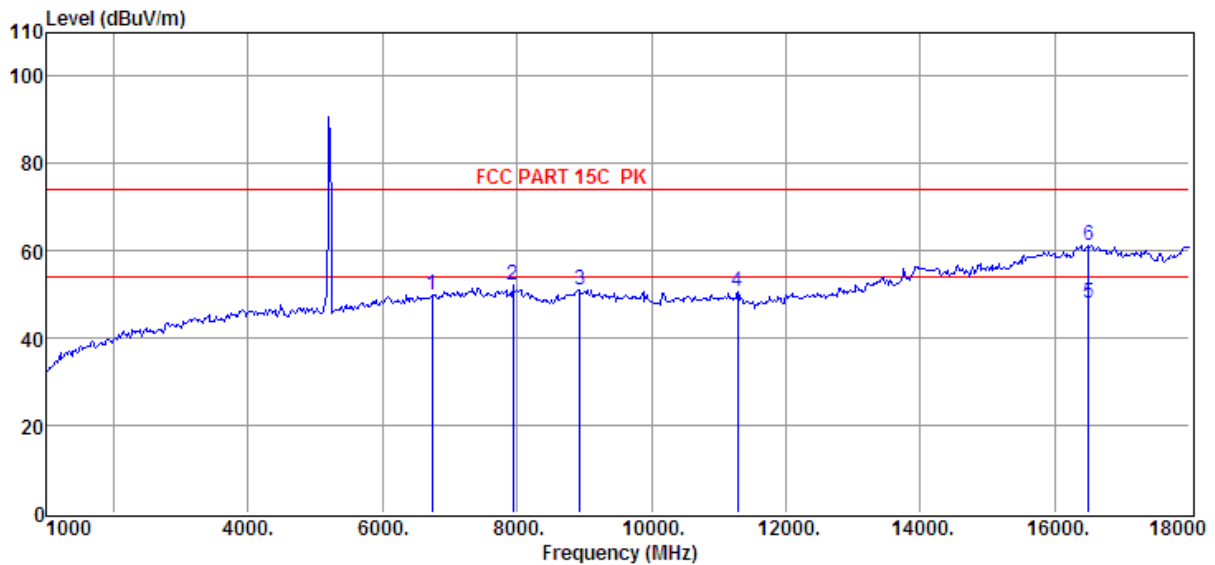
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6474.00	34.38	35.76	29.78	9.93	50.29	74.00	-23.71	Peak	VERTICAL
2	7239.00	35.52	36.39	30.52	10.65	52.04	74.00	-21.96	Peak	VERTICAL
3	8939.00	34.32	37.24	32.26	11.79	51.09	74.00	-22.91	Peak	VERTICAL
4	11234.00	33.69	37.28	34.25	13.53	50.25	74.00	-23.75	Peak	VERTICAL
5	16470.00	22.15	44.65	35.99	17.46	48.27	54.00	-5.73	Average	VERTICAL
6	16470.00	35.32	44.65	35.99	17.46	61.44	74.00	-12.56	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

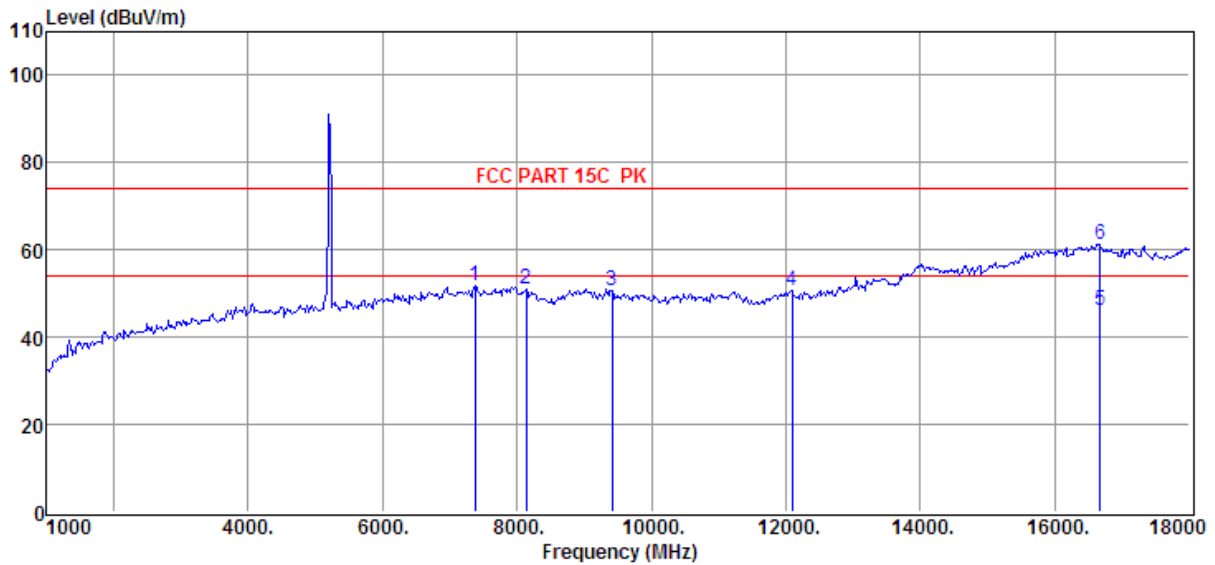
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6729.00	33.81	35.99	30.16	10.15	49.79	74.00	-24.21	Peak	HORIZONTAL
2	7936.00	35.37	36.69	31.11	11.10	52.05	74.00	-21.95	Peak	HORIZONTAL
3	8939.00	34.24	37.24	32.26	11.79	51.01	74.00	-22.99	Peak	HORIZONTAL
4	11285.00	34.32	37.17	34.35	13.54	50.68	74.00	-23.32	Peak	HORIZONTAL
5	16504.00	21.85	44.69	36.06	17.51	47.99	54.00	-6.01	Average	HORIZONTAL
6	16504.00	35.16	44.69	36.06	17.51	61.30	74.00	-12.70	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

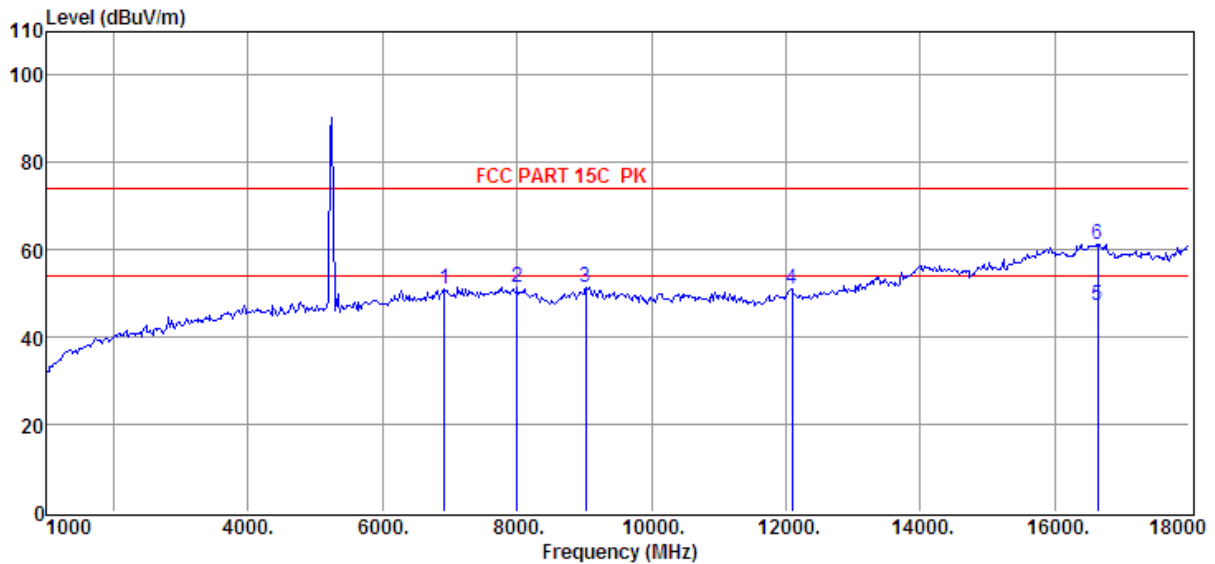
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7375.00	35.02	36.50	30.65	10.75	51.62	74.00	-22.38	Peak	VERTICAL
2	8140.00	34.70	36.30	31.24	11.29	51.05	74.00	-22.95	Peak	VERTICAL
3	9415.00	34.51	36.58	32.57	12.26	50.78	74.00	-23.22	Peak	VERTICAL
4	12084.00	33.51	37.72	34.85	14.30	50.68	74.00	-23.32	Peak	VERTICAL
5	16674.00	20.14	44.42	36.28	17.84	46.12	54.00	-7.88	Average	VERTICAL
6	16674.00	35.35	44.42	36.28	17.84	61.33	74.00	-12.67	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

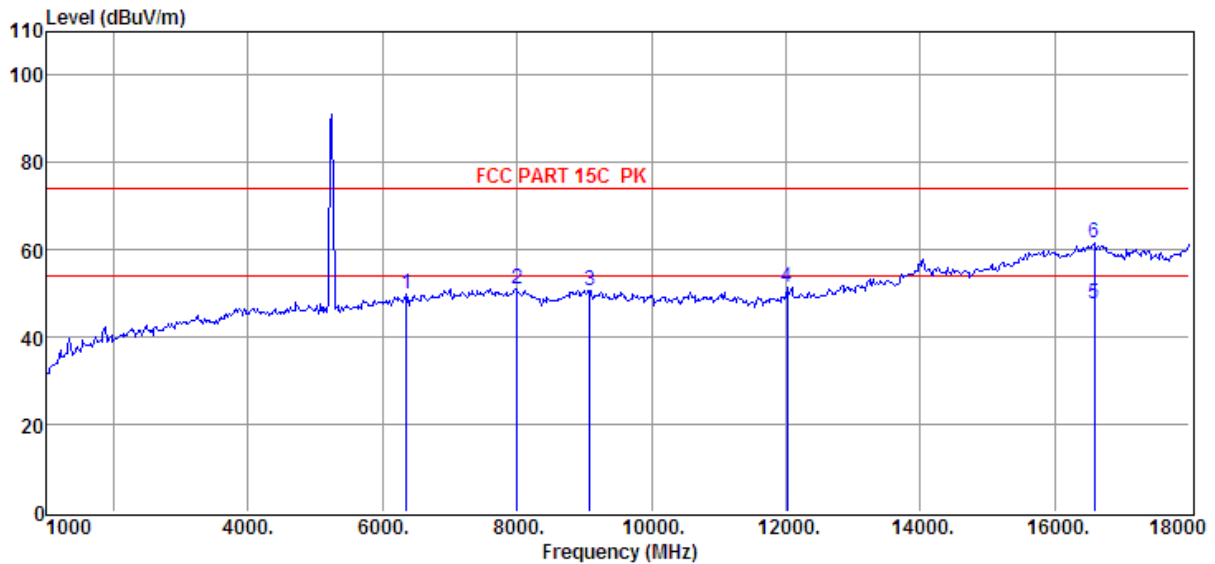
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.78	36.13	30.33	10.37	50.95	74.00	-23.05	Peak	HORIZONTAL
2	8004.00	34.67	36.69	31.13	11.13	51.36	74.00	-22.64	Peak	HORIZONTAL
3	9024.00	34.29	37.45	32.33	11.83	51.24	74.00	-22.76	Peak	HORIZONTAL
4	12084.00	33.87	37.72	34.85	14.30	51.04	74.00	-22.96	Peak	HORIZONTAL
5	16640.00	21.46	44.47	36.28	17.74	47.39	54.00	-6.61	Average	HORIZONTAL
6	16640.00	35.49	44.47	36.28	17.74	61.42	74.00	-12.58	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

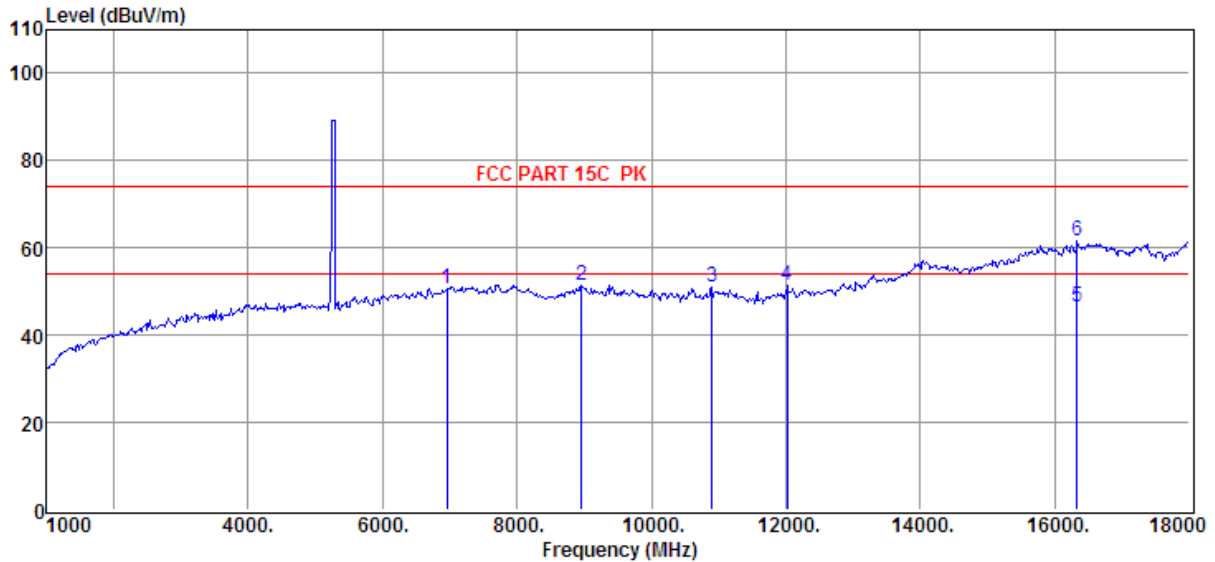


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6355.00	34.10	35.57	29.54	9.87	50.00	74.00	-24.00	Peak	VERTICAL
2	8004.00	34.27	36.69	31.13	11.13	50.96	74.00	-23.04	Peak	VERTICAL
3	9075.00	33.97	37.33	32.35	11.89	50.84	74.00	-23.16	Peak	VERTICAL
4	12016.00	34.25	37.62	34.80	14.24	51.31	74.00	-22.69	Peak	VERTICAL
5	16589.00	21.46	44.56	36.21	17.64	47.45	54.00	-6.55	Average	VERTICAL
6	16589.00	35.48	44.56	36.21	17.64	61.47	74.00	-12.53	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.2.2. UNII-2A BAND

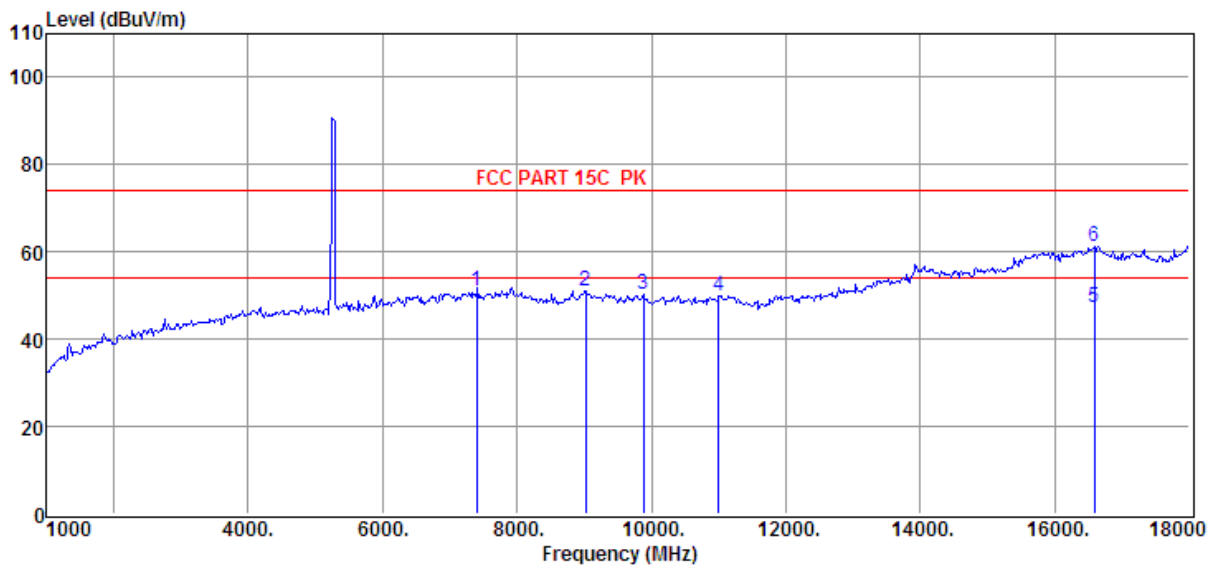
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	34.51	36.16	30.34	10.39	50.72	74.00	-23.28	Peak	HORIZONTAL
2	8956.00	34.67	37.31	32.28	11.79	51.49	74.00	-22.51	Peak	HORIZONTAL
3	10894.00	34.08	37.51	33.74	13.31	51.16	74.00	-22.84	Peak	HORIZONTAL
4	12016.00	34.16	37.62	34.80	14.24	51.22	74.00	-22.78	Peak	HORIZONTAL
5	16334.00	20.45	44.44	35.86	17.35	46.38	54.00	-7.62	Average	HORIZONTAL
6	16334.00	35.61	44.44	35.86	17.35	61.54	74.00	-12.46	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

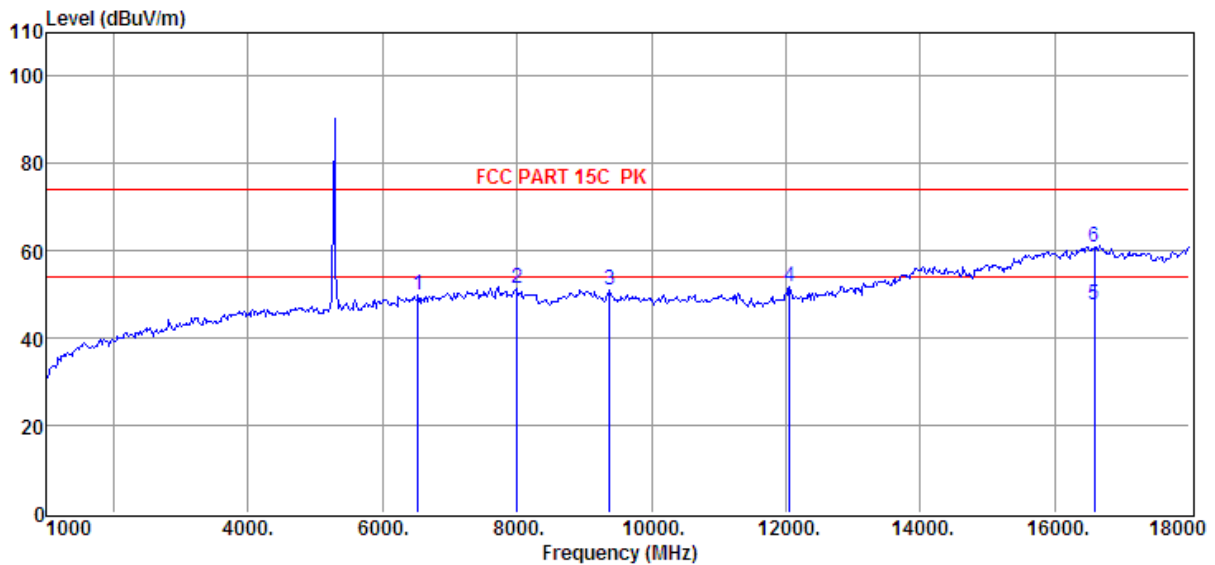
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7392.00	34.24	36.52	30.65	10.77	50.88	74.00	-23.12	Peak	VERTICAL
2	9024.00	34.15	37.45	32.33	11.83	51.10	74.00	-22.90	Peak	VERTICAL
3	9874.00	33.97	36.78	32.87	12.42	50.30	74.00	-23.70	Peak	VERTICAL
4	10996.00	32.74	37.79	33.98	13.48	50.03	74.00	-23.97	Peak	VERTICAL
5	16589.00	21.35	44.56	36.21	17.64	47.34	54.00	-6.66	Average	VERTICAL
6	16589.00	35.38	44.56	36.21	17.64	61.37	74.00	-12.63	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

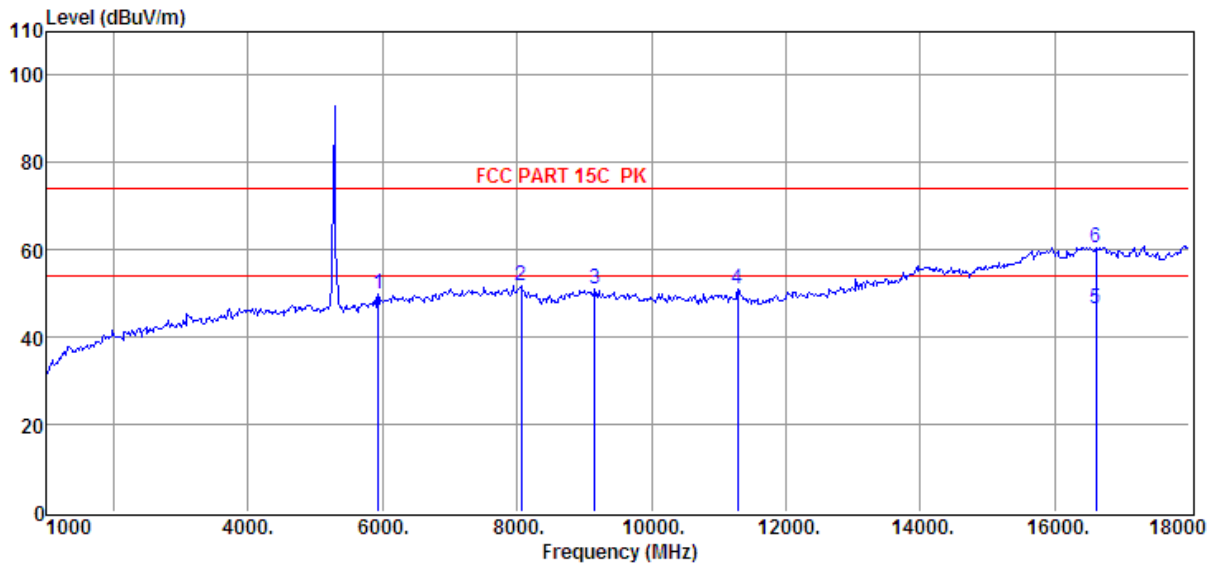
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6525.00	33.87	35.82	29.90	9.96	49.75	74.00	-24.25	Peak	HORIZONTAL
2	8004.00	34.72	36.69	31.13	11.13	51.41	74.00	-22.59	Peak	HORIZONTAL
3	9381.00	34.60	36.66	32.52	12.22	50.96	74.00	-23.04	Peak	HORIZONTAL
4	12050.00	34.85	37.67	34.82	14.26	51.96	74.00	-22.04	Peak	HORIZONTAL
5	16589.00	21.66	44.56	36.21	17.64	47.65	54.00	-6.35	Average	HORIZONTAL
6	16589.00	34.90	44.56	36.21	17.64	60.89	74.00	-13.11	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

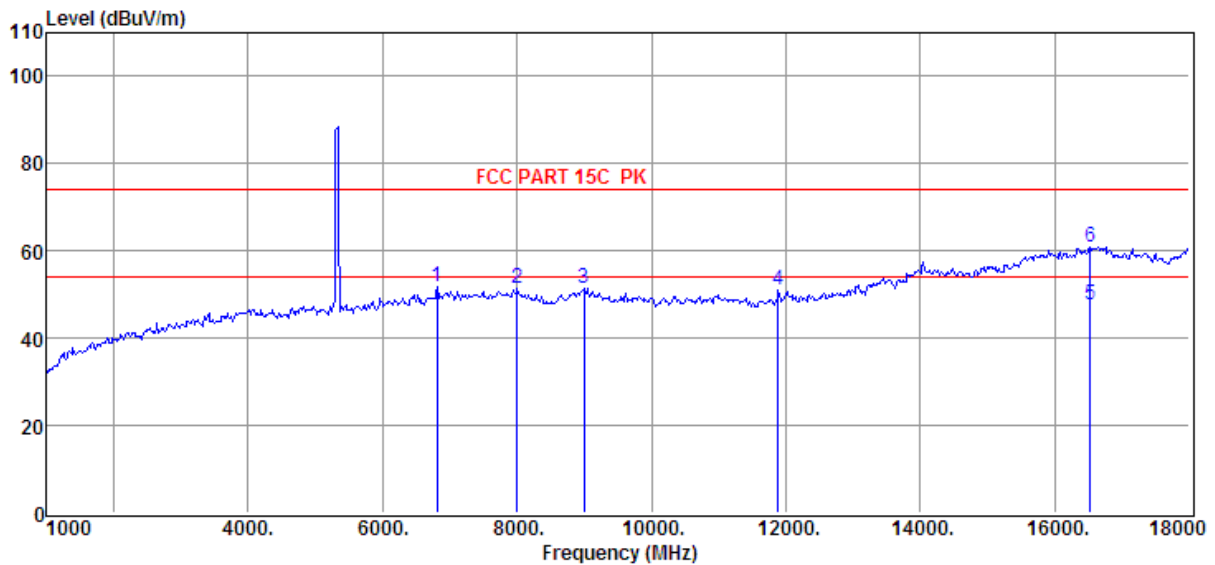
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5930.00	34.57	34.96	29.20	9.61	49.94	74.00	-24.06	Peak	VERTICAL
2	8055.00	35.43	36.54	31.18	11.18	51.97	74.00	-22.03	Peak	VERTICAL
3	9160.00	34.25	37.14	32.39	12.01	51.01	74.00	-22.99	Peak	VERTICAL
4	11285.00	34.74	37.17	34.35	13.54	51.10	74.00	-22.90	Peak	VERTICAL
5	16606.00	20.32	44.53	36.21	17.71	46.35	54.00	-7.65	Average	VERTICAL
6	16606.00	34.51	44.53	36.21	17.71	60.54	74.00	-13.46	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

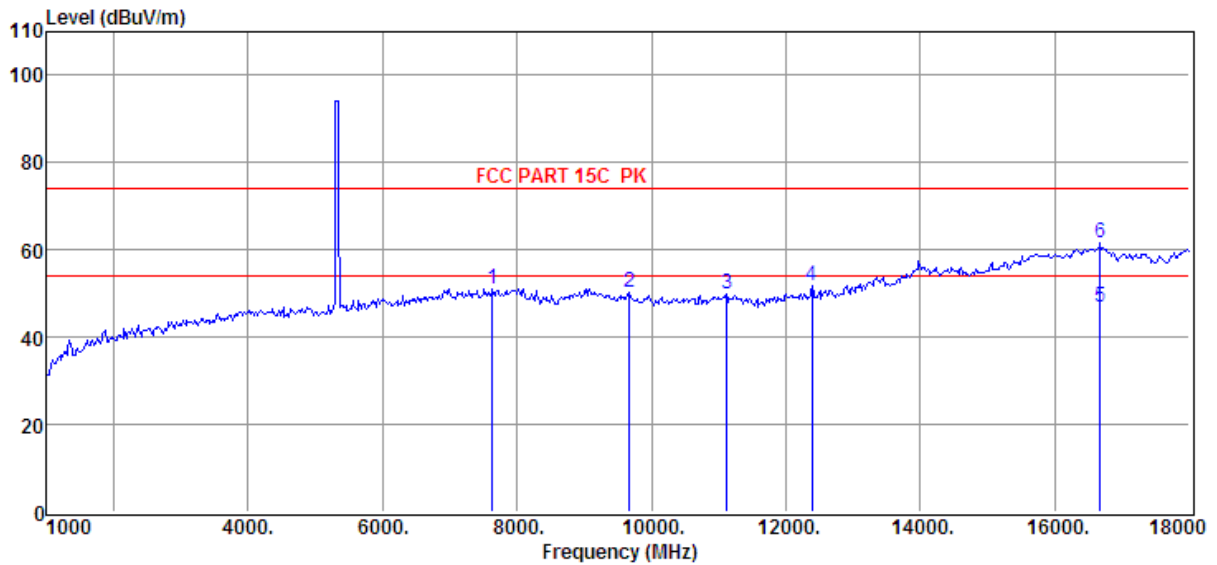
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6814.00	35.70	36.05	30.25	10.26	51.76	74.00	-22.24	Peak	HORIZONTAL
2	8004.00	34.57	36.69	31.13	11.13	51.26	74.00	-22.74	Peak	HORIZONTAL
3	8990.00	34.63	37.46	32.32	11.81	51.58	74.00	-22.42	Peak	HORIZONTAL
4	11880.00	34.28	37.39	34.73	14.09	51.03	74.00	-22.97	Peak	HORIZONTAL
5	16521.00	21.33	44.67	36.06	17.51	47.45	54.00	-6.55	Average	HORIZONTAL
6	16521.00	34.77	44.67	36.06	17.51	60.89	74.00	-13.11	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

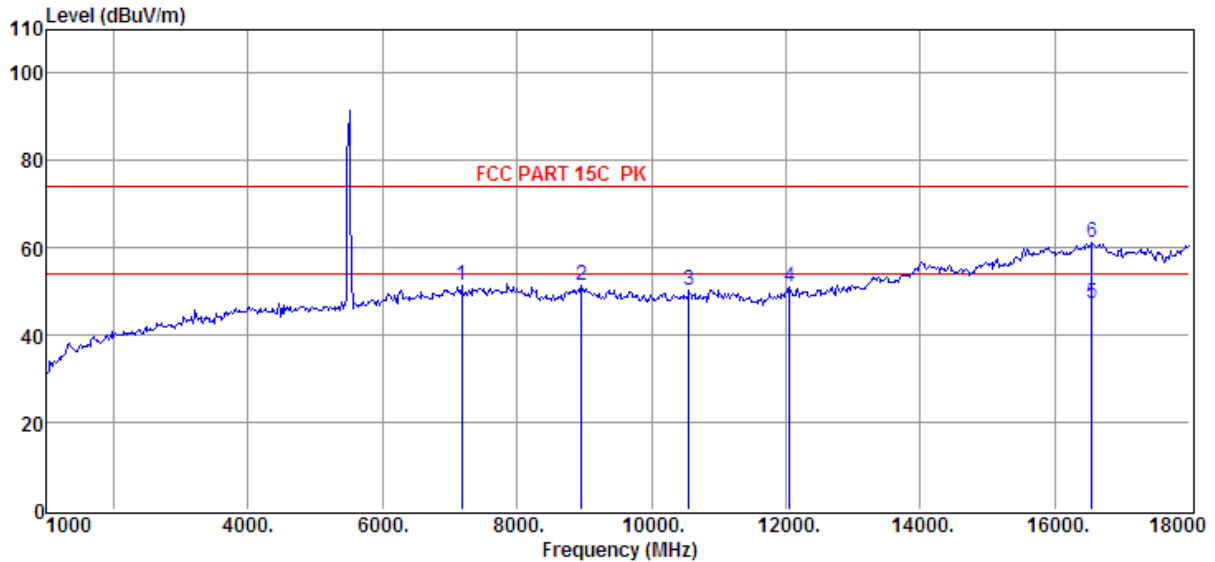


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7630.00	34.47	36.63	30.92	10.92	51.10	74.00	-22.90	Peak	VERTICAL
2	9670.00	34.02	36.57	32.77	12.39	50.21	74.00	-23.79	Peak	VERTICAL
3	11115.00	32.82	37.54	34.13	13.50	49.73	74.00	-24.27	Peak	VERTICAL
4	12390.00	34.07	38.15	35.12	14.55	51.65	74.00	-22.35	Peak	VERTICAL
5	16674.00	20.89	44.42	36.28	17.84	46.87	54.00	-7.13	Average	VERTICAL
6	16674.00	35.53	44.42	36.28	17.84	61.51	74.00	-12.49	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.2.3. UNII-2C BAND

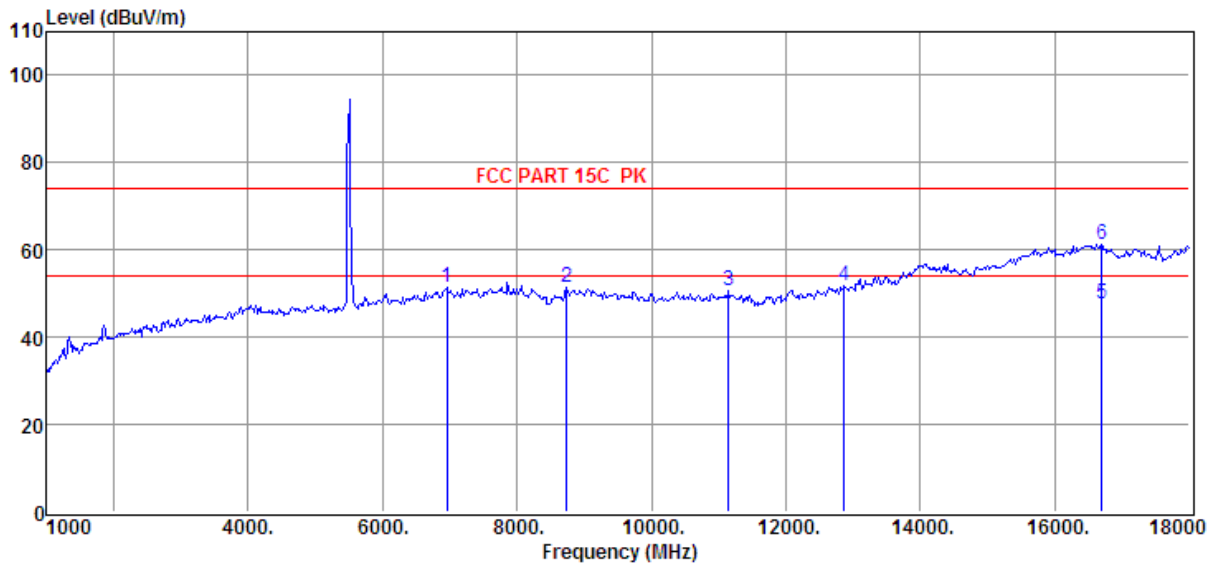
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7171.00	35.15	36.34	30.48	10.57	51.58	74.00	-22.42	Peak	HORIZONTAL
2	8956.00	34.43	37.31	32.28	11.79	51.25	74.00	-22.75	Peak	HORIZONTAL
3	10554.00	34.10	36.55	33.31	12.77	50.11	74.00	-23.89	Peak	HORIZONTAL
4	12050.00	33.78	37.67	34.82	14.26	50.89	74.00	-23.11	Peak	HORIZONTAL
5	16555.00	21.11	44.61	36.14	17.61	47.19	54.00	-6.81	Average	HORIZONTAL
6	16555.00	35.25	44.61	36.14	17.61	61.33	74.00	-12.67	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

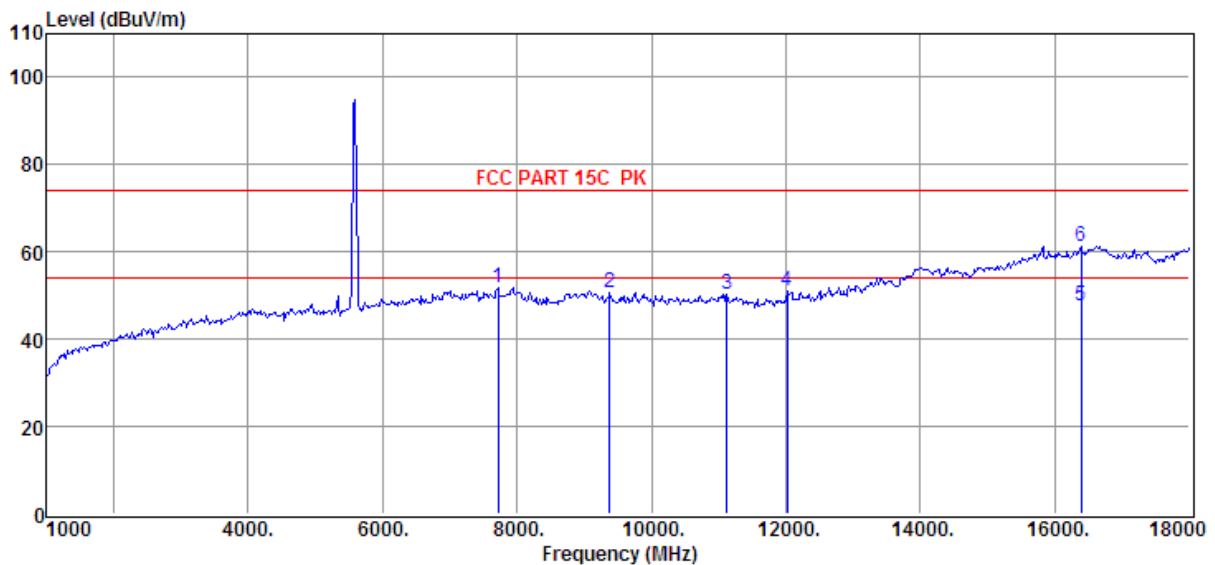
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.09	36.16	30.34	10.39	51.30	74.00	-22.70	Peak	VERTICAL
2	8735.00	35.51	36.35	32.07	11.73	51.52	74.00	-22.48	Peak	VERTICAL
3	11149.00	33.65	37.47	34.17	13.51	50.46	74.00	-23.54	Peak	VERTICAL
4	12866.00	34.25	38.67	35.64	14.66	51.94	74.00	-22.06	Peak	VERTICAL
5	16691.00	21.80	44.39	36.28	17.84	47.75	54.00	-6.25	Average	VERTICAL
6	16691.00	35.42	44.39	36.28	17.84	61.37	74.00	-12.63	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

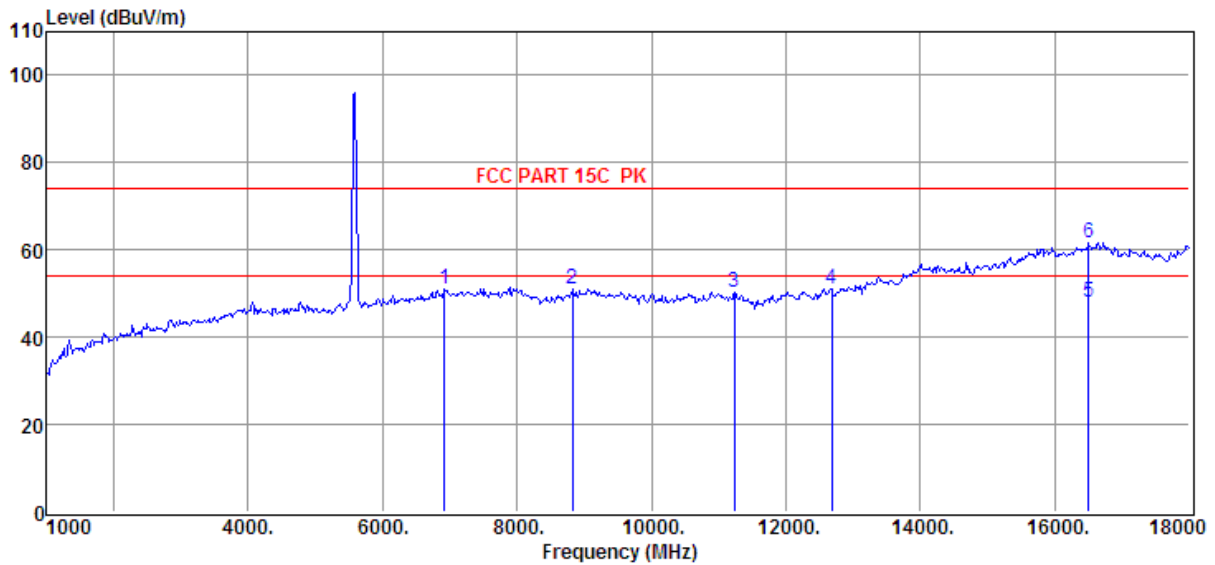
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7715.00	35.06	36.64	30.99	10.98	51.69	74.00	-22.31	Peak	HORIZONTAL
2	9381.00	34.22	36.66	32.52	12.22	50.58	74.00	-23.42	Peak	HORIZONTAL
3	11115.00	33.31	37.54	34.13	13.50	50.22	74.00	-23.78	Peak	HORIZONTAL
4	12016.00	33.91	37.62	34.80	14.24	50.97	74.00	-23.03	Peak	HORIZONTAL
5	16385.00	21.69	44.52	35.92	17.40	47.69	54.00	-6.31	Average	HORIZONTAL
6	16385.00	35.23	44.52	35.92	17.40	61.23	74.00	-12.77	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

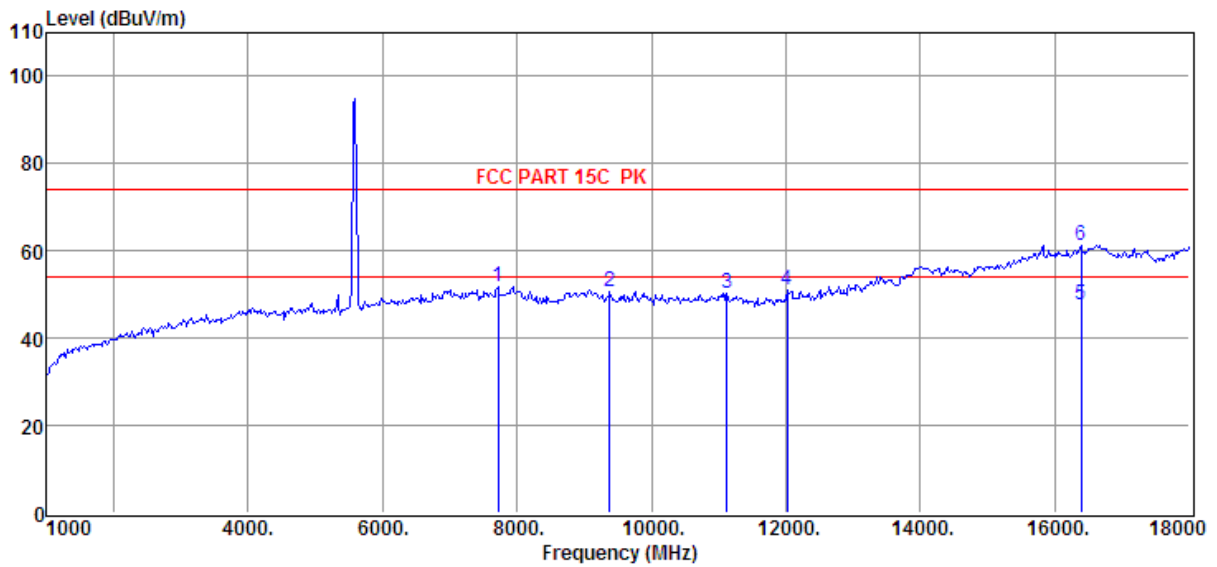
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.73	36.13	30.33	10.37	50.90	74.00	-23.10	Peak	VERTICAL
2	8820.00	34.88	36.72	32.18	11.75	51.17	74.00	-22.83	Peak	VERTICAL
3	11234.00	33.66	37.28	34.25	13.53	50.22	74.00	-23.78	Peak	VERTICAL
4	12679.00	33.55	38.48	35.48	14.65	51.20	74.00	-22.80	Peak	VERTICAL
5	16504.00	22.01	44.69	36.06	17.51	48.15	54.00	-5.85	Average	VERTICAL
6	16504.00	35.63	44.69	36.06	17.51	61.77	74.00	-12.23	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

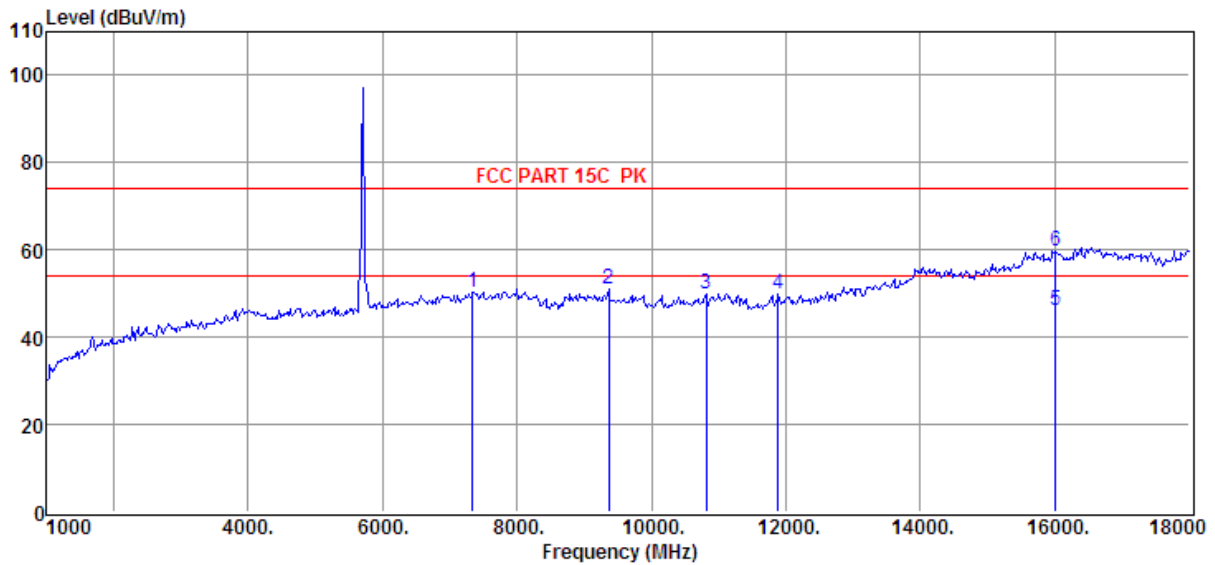
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7715.00	35.06	36.64	30.99	10.98	51.69	74.00	-22.31	Peak	HORIZONTAL
2	9381.00	34.22	36.66	32.52	12.22	50.58	74.00	-23.42	Peak	HORIZONTAL
3	11115.00	33.31	37.54	34.13	13.50	50.22	74.00	-23.78	Peak	HORIZONTAL
4	12016.00	33.91	37.62	34.80	14.24	50.97	74.00	-23.03	Peak	HORIZONTAL
5	16385.00	21.69	44.52	35.92	17.40	47.69	54.00	-6.31	Average	HORIZONTAL
6	16385.00	35.23	44.52	35.92	17.40	61.23	74.00	-12.77	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

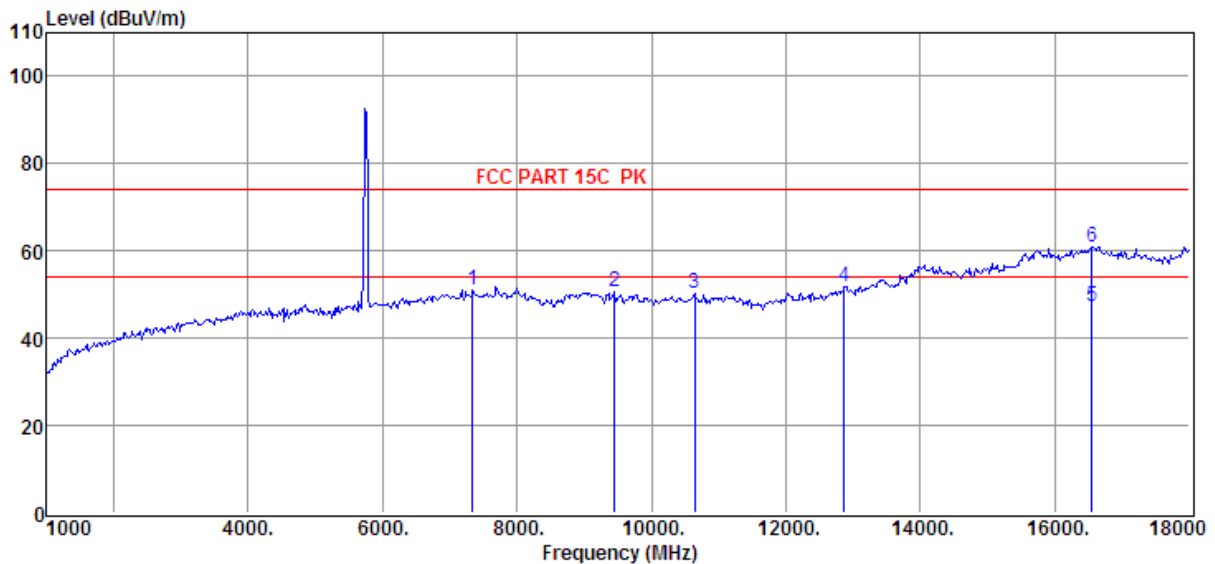


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	33.80	36.48	30.59	10.72	50.41	74.00	-23.59	Peak	VERTICAL
2	9364.00	34.55	36.69	32.52	12.22	50.94	74.00	-23.06	Peak	VERTICAL
3	10809.00	33.02	37.27	33.64	13.19	49.84	74.00	-24.16	Peak	VERTICAL
4	11880.00	33.00	37.39	34.73	14.09	49.75	74.00	-24.25	Peak	VERTICAL
5	16011.00	20.84	43.92	35.53	17.06	46.29	54.00	-7.71	Average	VERTICAL
6	16011.00	34.24	43.92	35.53	17.06	59.69	74.00	-14.31	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.2.4. UNII-3 BAND

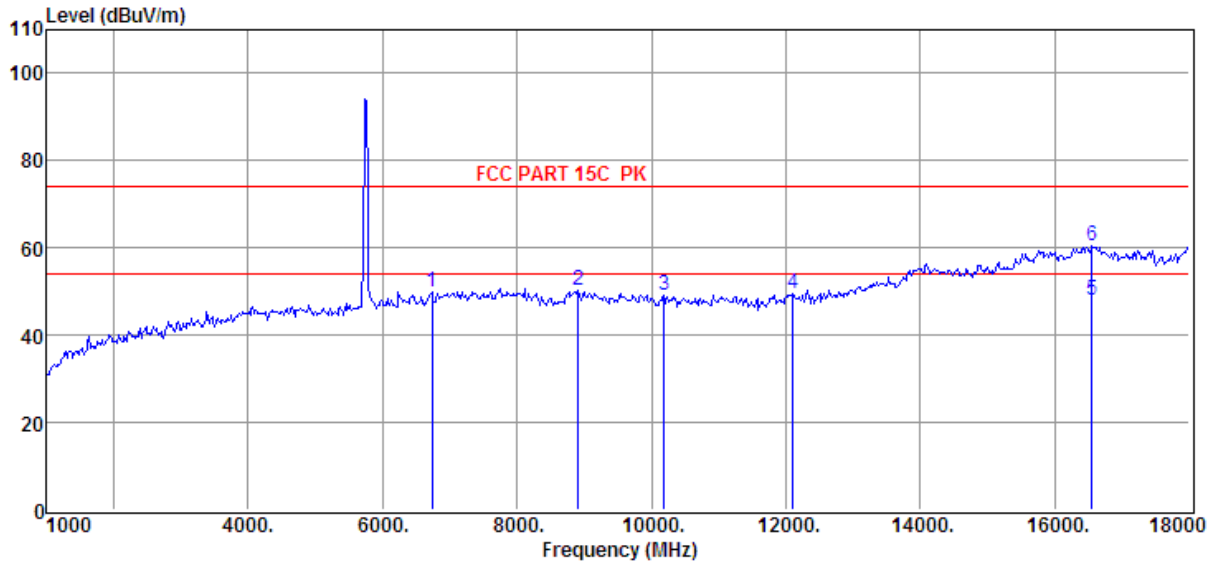
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	34.61	36.48	30.59	10.72	51.22	74.00	-22.78	Peak	HORIZONTAL
2	9449.00	34.33	36.51	32.59	12.30	50.55	74.00	-23.45	Peak	HORIZONTAL
3	10639.00	34.03	36.80	33.43	12.94	50.34	74.00	-23.66	Peak	HORIZONTAL
4	12866.00	34.18	38.67	35.64	14.66	51.87	74.00	-22.13	Peak	HORIZONTAL
5	16555.00	21.33	44.61	36.14	17.61	47.41	54.00	-6.59	Average	HORIZONTAL
6	16555.00	34.87	44.61	36.14	17.61	60.95	74.00	-13.05	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

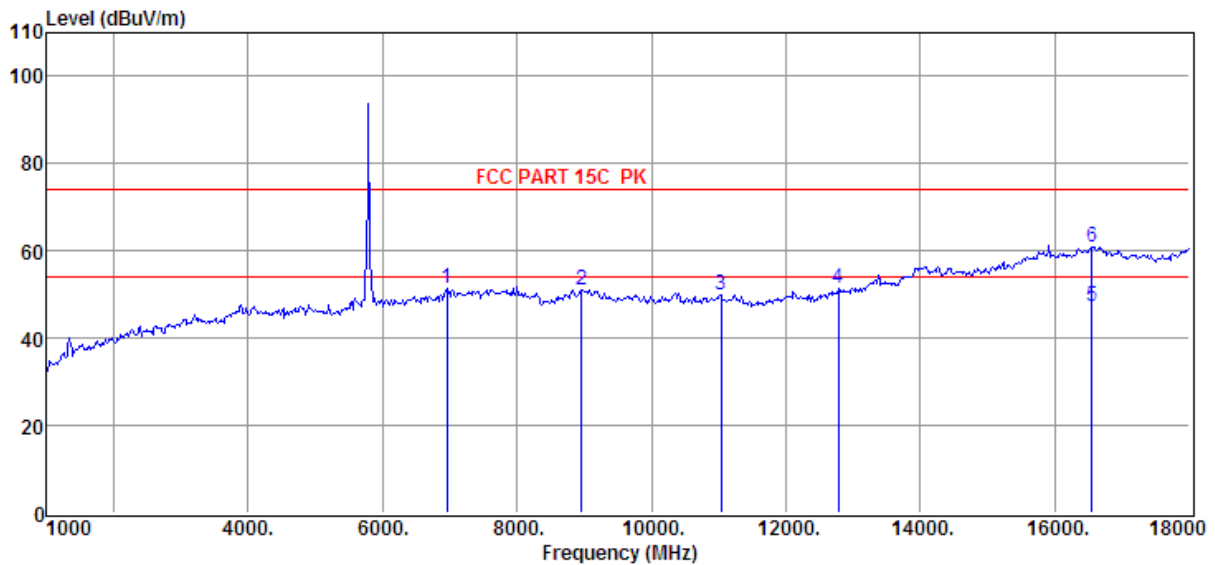
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6729.00	33.97	35.99	30.16	10.15	49.95	74.00	-24.05	Peak	VERTICAL
2	8905.00	33.53	37.09	32.24	11.77	50.15	74.00	-23.85	Peak	VERTICAL
3	10180.00	33.03	36.72	33.03	12.53	49.25	74.00	-24.75	Peak	VERTICAL
4	12101.00	32.41	37.74	34.87	14.30	49.58	74.00	-24.42	Peak	VERTICAL
5	16555.00	22.10	44.61	36.14	17.61	48.18	54.00	-5.82	Average	VERTICAL
6	16555.00	34.34	44.61	36.14	17.61	60.42	74.00	-13.58	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

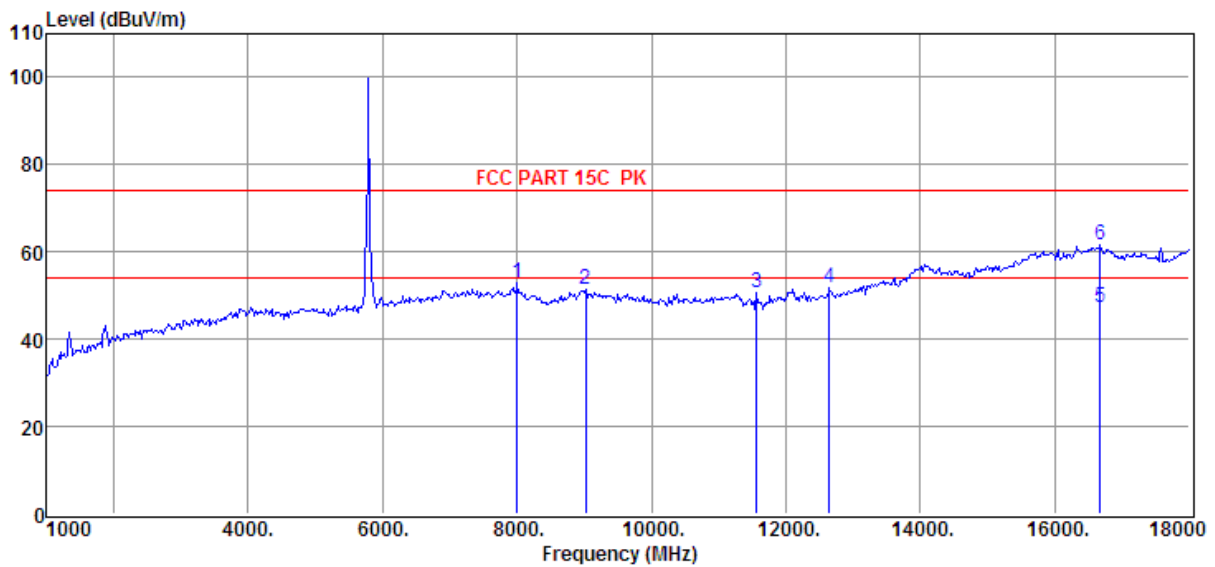
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.34	36.16	30.34	10.39	51.55	74.00	-22.45	Peak	HORIZONTAL
2	8956.00	34.34	37.31	32.28	11.79	51.16	74.00	-22.84	Peak	HORIZONTAL
3	11030.00	32.84	37.73	34.03	13.49	50.03	74.00	-23.97	Peak	HORIZONTAL
4	12781.00	33.92	38.58	35.58	14.66	51.58	74.00	-22.42	Peak	HORIZONTAL
5	16555.00	21.05	44.61	36.14	17.61	47.13	54.00	-6.87	Average	HORIZONTAL
6	16555.00	34.88	44.61	36.14	17.61	60.96	74.00	-13.04	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

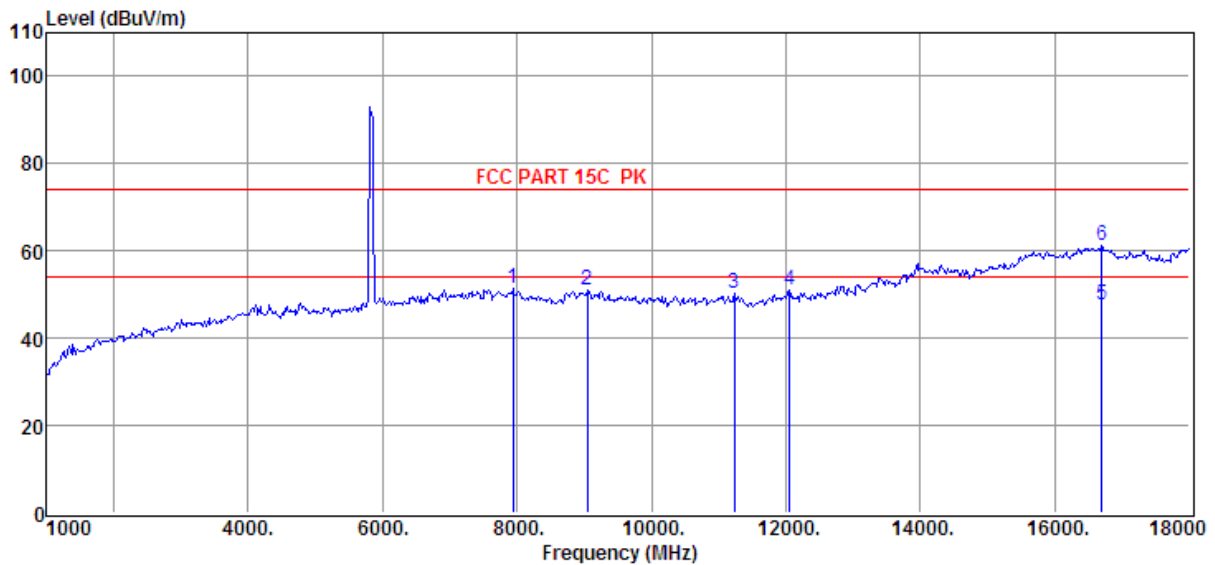
HARMONICS AND SPURIOUS EMISSIONS (MIDDLE CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	8004.00	36.38	36.69	31.13	11.13	53.07	74.00	-20.93	Peak	VERTICAL
2	9024.00	34.50	37.45	32.33	11.83	51.45	74.00	-22.55	Peak	VERTICAL
3	11557.00	34.64	36.80	34.53	13.67	50.58	74.00	-23.42	Peak	VERTICAL
4	12645.00	34.19	38.45	35.45	14.65	51.84	74.00	-22.16	Peak	VERTICAL
5	16674.00	21.44	44.42	36.28	17.84	47.42	54.00	-6.58	Average	VERTICAL
6	16674.00	35.54	44.42	36.28	17.84	61.52	74.00	-12.48	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

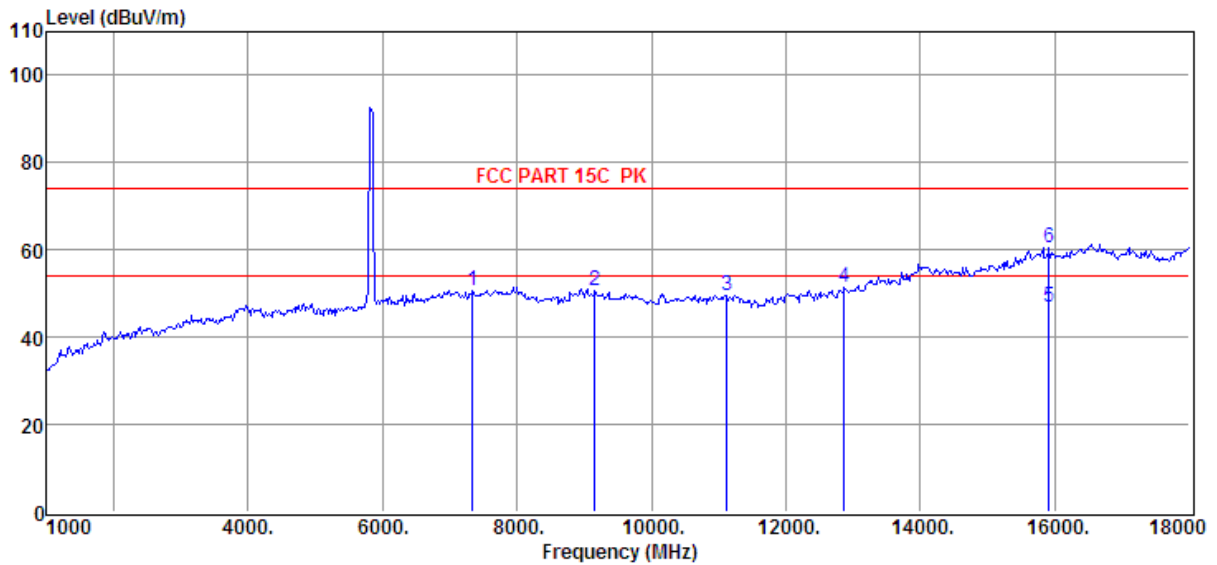
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7936.00	34.64	36.69	31.11	11.10	51.32	74.00	-22.68	Peak	HORIZONTAL
2	9041.00	34.06	37.41	32.34	11.87	51.00	74.00	-23.00	Peak	HORIZONTAL
3	11234.00	33.68	37.28	34.25	13.53	50.24	74.00	-23.76	Peak	HORIZONTAL
4	12050.00	33.81	37.67	34.82	14.26	50.92	74.00	-23.08	Peak	HORIZONTAL
5	16691.00	21.72	44.39	36.28	17.84	47.67	54.00	-6.33	Average	HORIZONTAL
6	16691.00	35.45	44.39	36.28	17.84	61.40	74.00	-12.60	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



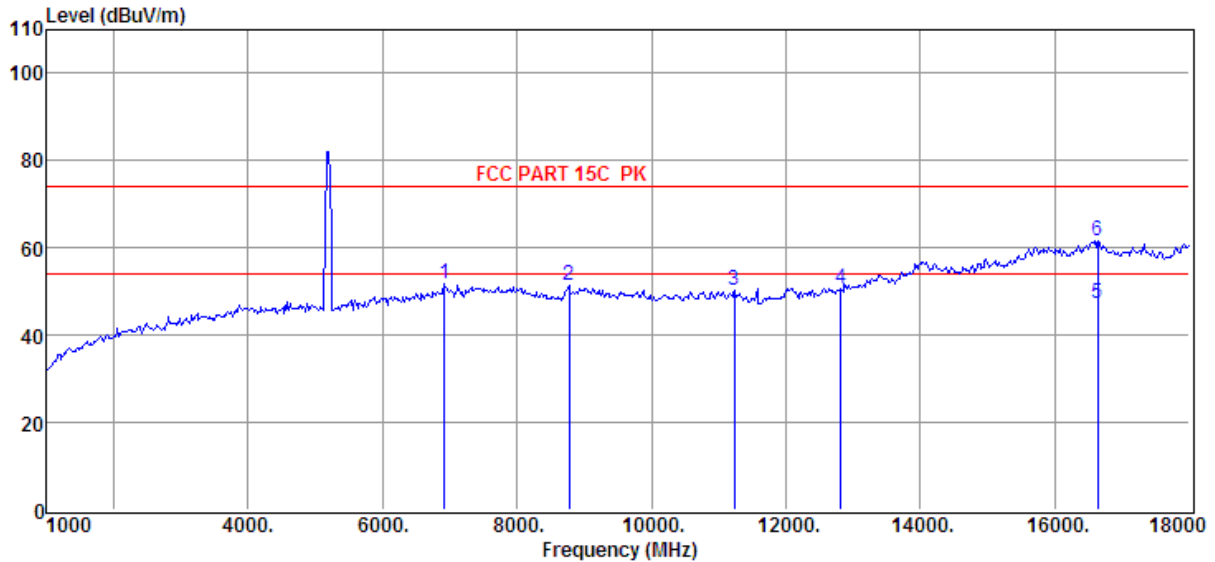
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	34.19	36.48	30.59	10.72	50.80	74.00	-23.20	Peak	VERTICAL
2	9160.00	33.87	37.14	32.39	12.01	50.63	74.00	-23.37	Peak	VERTICAL
3	11115.00	32.62	37.54	34.13	13.50	49.53	74.00	-24.47	Peak	VERTICAL
4	12866.00	33.65	38.67	35.64	14.66	51.34	74.00	-22.66	Peak	VERTICAL
5	15909.00	21.59	43.74	35.50	16.96	46.79	54.00	-7.21	Average	VERTICAL
6	15909.00	35.34	43.74	35.50	16.96	60.54	74.00	-13.46	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.3. 802.11n HT40 MODE

7.3.3.1. UNII-1 BAND

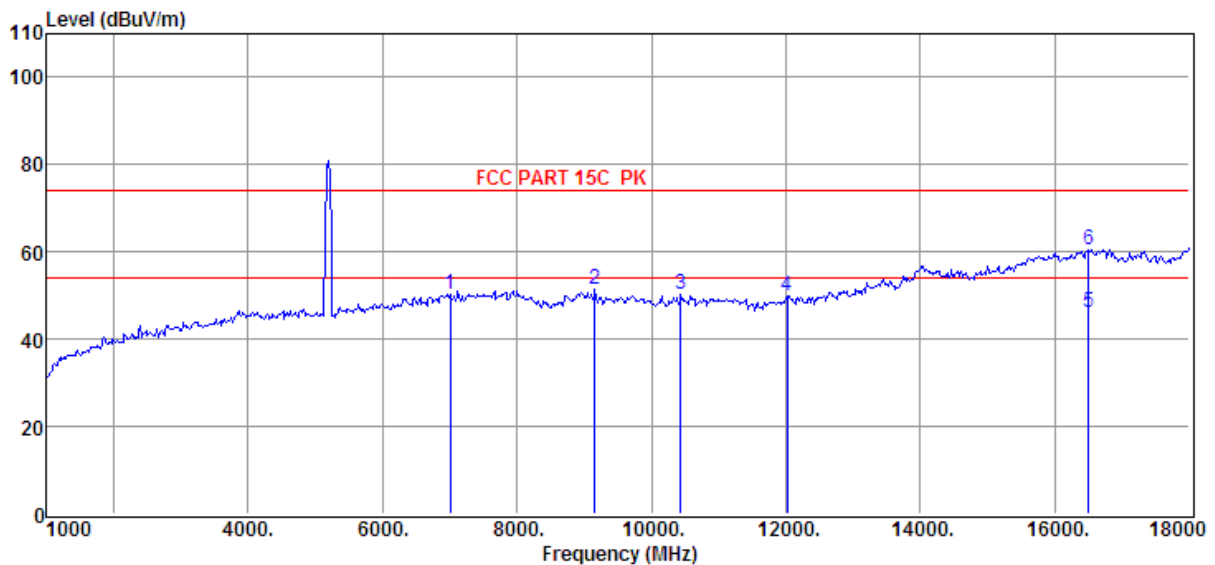
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	35.43	36.13	30.33	10.37	51.60	74.00	-22.40	Peak	HORIZONTAL
2	8769.00	35.35	36.50	32.15	11.73	51.43	74.00	-22.57	Peak	HORIZONTAL
3	11234.00	33.70	37.28	34.25	13.53	50.26	74.00	-23.74	Peak	HORIZONTAL
4	12815.00	33.00	38.62	35.58	14.66	50.70	74.00	-23.30	Peak	HORIZONTAL
5	16640.00	21.21	44.47	36.28	17.74	47.14	54.00	-6.86	Average	HORIZONTAL
6	16640.00	35.64	44.47	36.28	17.74	61.57	74.00	-12.43	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

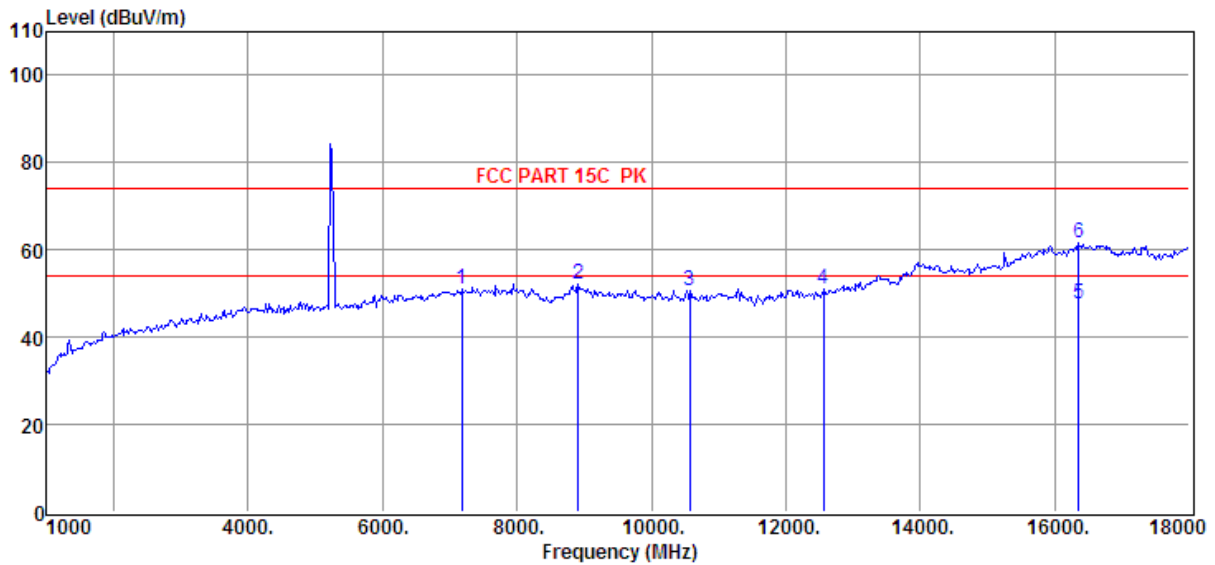
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	7001.00	33.99	36.20	30.39	10.44	50.24	74.00	-23.76	Peak	VERTICAL
2	9160.00	34.57	37.14	32.39	12.01	51.33	74.00	-22.67	Peak	VERTICAL
3	10435.00	34.40	36.46	33.22	12.67	50.31	74.00	-23.69	Peak	VERTICAL
4	12016.00	32.80	37.62	34.80	14.24	49.86	74.00	-24.14	Peak	VERTICAL
5	16504.00	20.13	44.69	36.06	17.51	46.27	54.00	-7.73	Average	VERTICAL
6	16504.00	34.50	44.69	36.06	17.51	60.64	74.00	-13.36	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

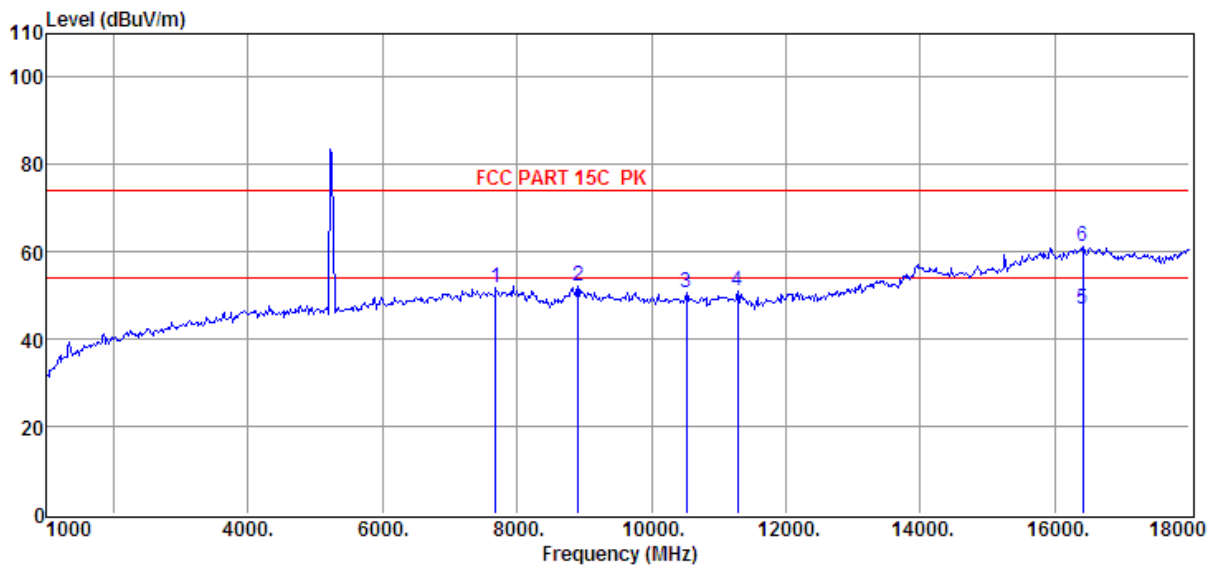
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7171.00	34.73	36.34	30.48	10.57	51.16	74.00	-22.84	Peak	HORIZONTAL
2	8905.00	35.41	37.09	32.24	11.77	52.03	74.00	-21.97	Peak	HORIZONTAL
3	10571.00	34.75	36.60	33.33	12.80	50.82	74.00	-23.18	Peak	HORIZONTAL
4	12560.00	33.20	38.36	35.31	14.64	50.89	74.00	-23.11	Peak	HORIZONTAL
5	16351.00	21.63	44.46	35.86	17.38	47.61	54.00	-6.39	Average	HORIZONTAL
6	16351.00	35.53	44.46	35.86	17.38	61.51	74.00	-12.49	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

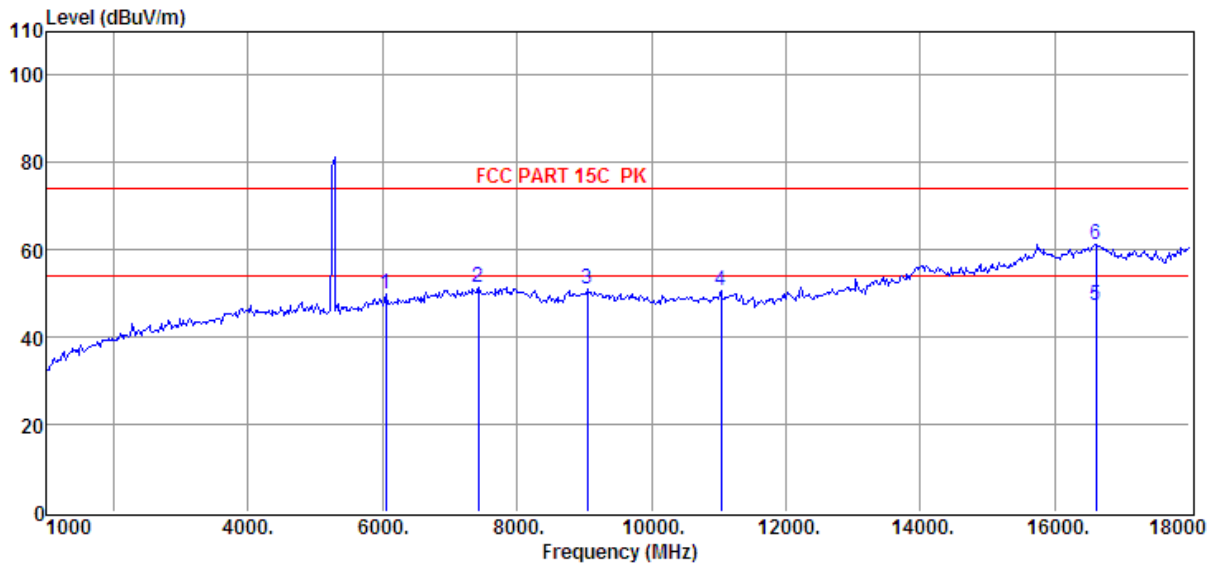


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7681.00	35.17	36.64	30.96	10.95	51.80	74.00	-22.20	Peak	VERTICAL
2	8905.00	35.41	37.09	32.24	11.77	52.03	74.00	-21.97	Peak	VERTICAL
3	10520.00	34.74	36.46	33.28	12.74	50.66	74.00	-23.34	Peak	VERTICAL
4	11285.00	34.49	37.17	34.35	13.54	50.85	74.00	-23.15	Peak	VERTICAL
5	16419.00	20.70	44.57	35.92	17.43	46.78	54.00	-7.22	Average	VERTICAL
6	16419.00	35.07	44.57	35.92	17.43	61.15	74.00	-12.85	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.3.2. UNII-2A BAND

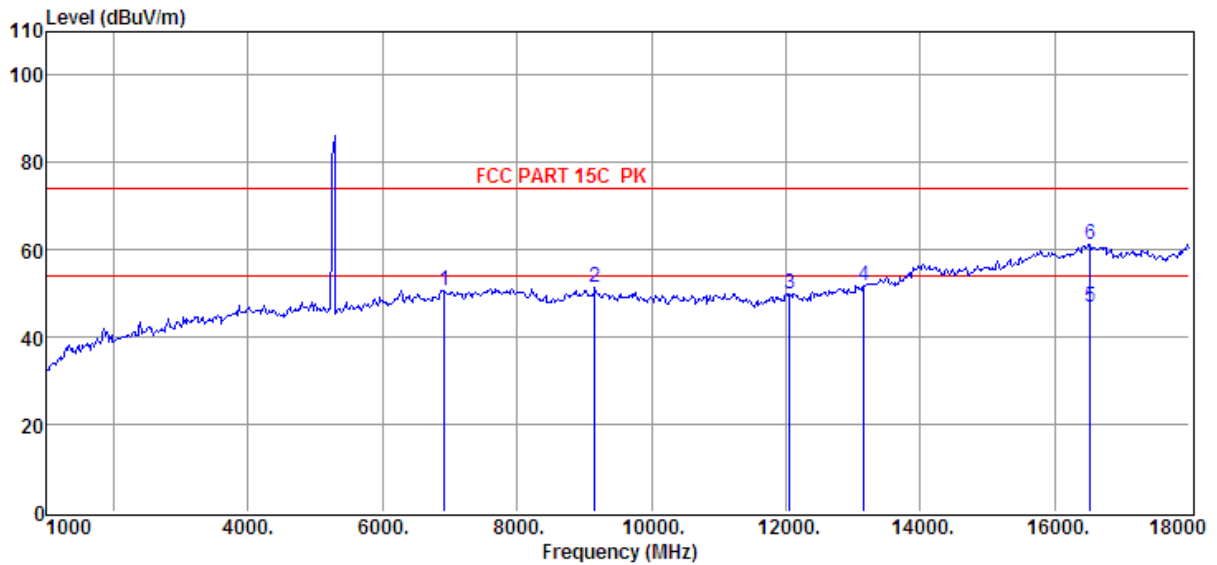
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6049.00	34.19	35.08	29.23	9.71	49.75	74.00	-24.25	Peak	HORIZONTAL
2	7426.00	34.69	36.54	30.70	10.78	51.31	74.00	-22.69	Peak	HORIZONTAL
3	9041.00	33.96	37.41	32.34	11.87	50.90	74.00	-23.10	Peak	HORIZONTAL
4	11030.00	33.46	37.73	34.03	13.49	50.65	74.00	-23.35	Peak	HORIZONTAL
5	16606.00	21.34	44.53	36.21	17.71	47.37	54.00	-6.63	Average	HORIZONTAL
6	16606.00	35.36	44.53	36.21	17.71	61.39	74.00	-12.61	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

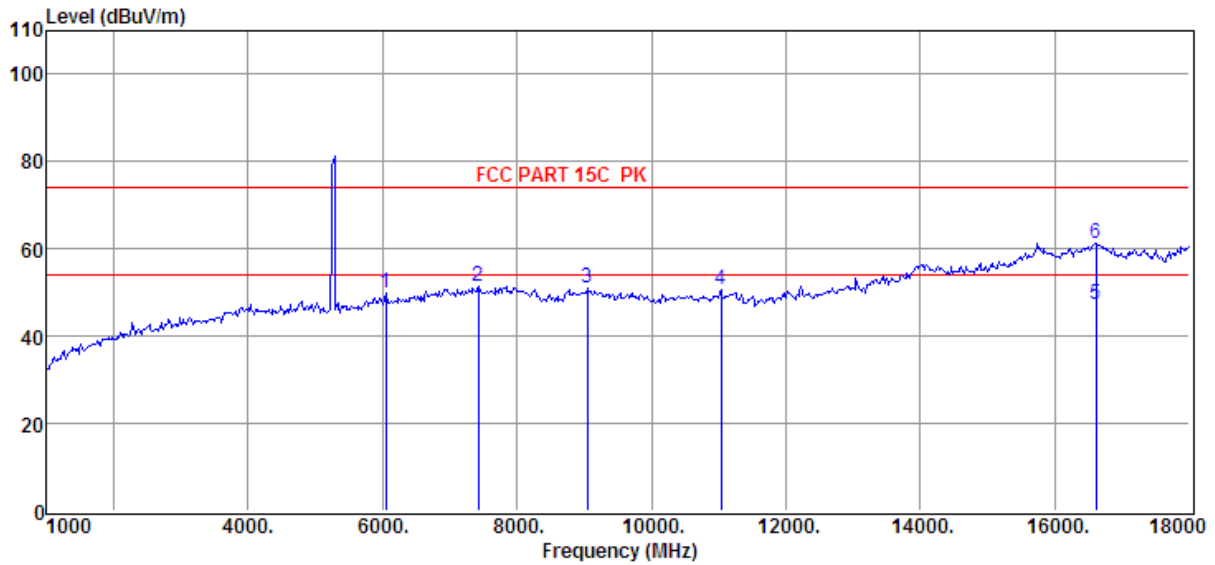
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.54	36.13	30.33	10.37	50.71	74.00	-23.29	Peak	VERTICAL
2	9160.00	34.76	37.14	32.39	12.01	51.52	74.00	-22.48	Peak	VERTICAL
3	12050.00	32.88	37.67	34.82	14.26	49.99	74.00	-24.01	Peak	VERTICAL
4	13155.00	33.85	38.96	35.57	14.71	51.95	74.00	-22.05	Peak	VERTICAL
5	16521.00	20.65	44.67	36.06	17.51	46.77	54.00	-7.23	Average	VERTICAL
6	16521.00	35.03	44.67	36.06	17.51	61.15	74.00	-12.85	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

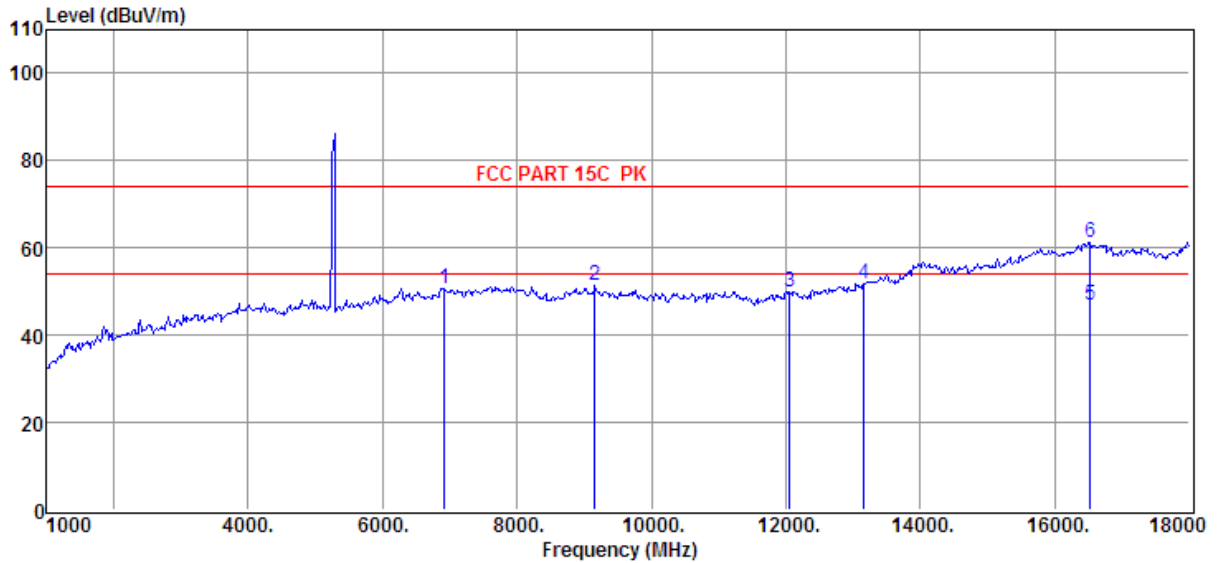
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6049.00	34.19	35.08	29.23	9.71	49.75	74.00	-24.25	Peak	HORIZONTAL
2	7426.00	34.69	36.54	30.70	10.78	51.31	74.00	-22.69	Peak	HORIZONTAL
3	9041.00	33.96	37.41	32.34	11.87	50.90	74.00	-23.10	Peak	HORIZONTAL
4	11030.00	33.46	37.73	34.03	13.49	50.65	74.00	-23.35	Peak	HORIZONTAL
5	16606.00	21.34	44.53	36.21	17.71	47.37	54.00	-6.63	Average	HORIZONTAL
6	16606.00	35.36	44.53	36.21	17.71	61.39	74.00	-12.61	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

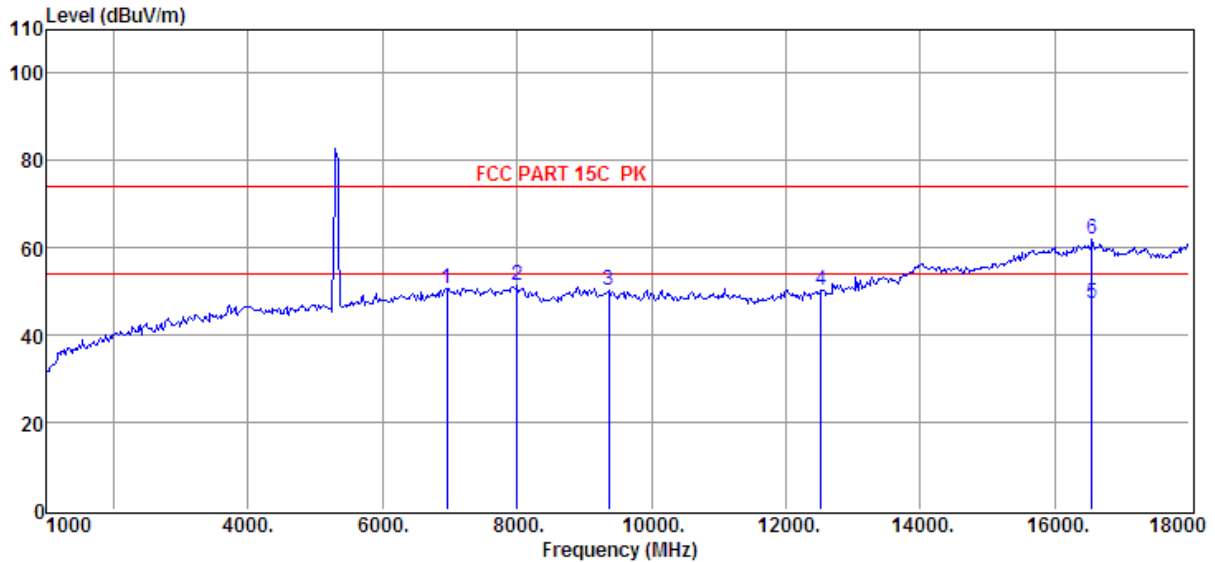


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	34.54	36.13	30.33	10.37	50.71	74.00	-23.29	Peak	VERTICAL
2	9160.00	34.76	37.14	32.39	12.01	51.52	74.00	-22.48	Peak	VERTICAL
3	12050.00	32.88	37.67	34.82	14.26	49.99	74.00	-24.01	Peak	VERTICAL
4	13155.00	33.85	38.96	35.57	14.71	51.95	74.00	-22.05	Peak	VERTICAL
5	16521.00	20.65	44.67	36.06	17.51	46.77	54.00	-7.23	Average	VERTICAL
6	16521.00	35.03	44.67	36.06	17.51	61.15	74.00	-12.85	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.3.3. UNII-2C BAND

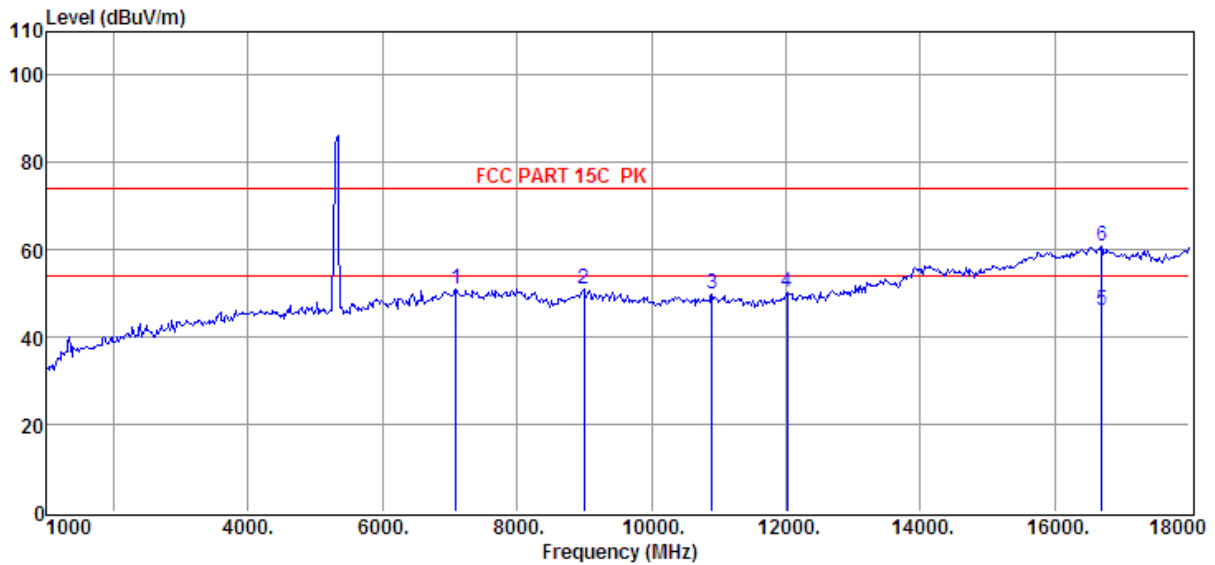
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	34.61	36.16	30.34	10.39	50.82	74.00	-23.18	Peak	HORIZONTAL
2	8004.00	34.63	36.69	31.13	11.13	51.32	74.00	-22.68	Peak	HORIZONTAL
3	9364.00	33.88	36.69	32.52	12.22	50.27	74.00	-23.73	Peak	HORIZONTAL
4	12526.00	32.58	38.33	35.26	14.64	50.29	74.00	-23.71	Peak	HORIZONTAL
5	16555.00	21.32	44.61	36.14	17.61	47.40	54.00	-6.60	Average	HORIZONTAL
6	16555.00	35.97	44.61	36.14	17.61	62.05	74.00	-11.95	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

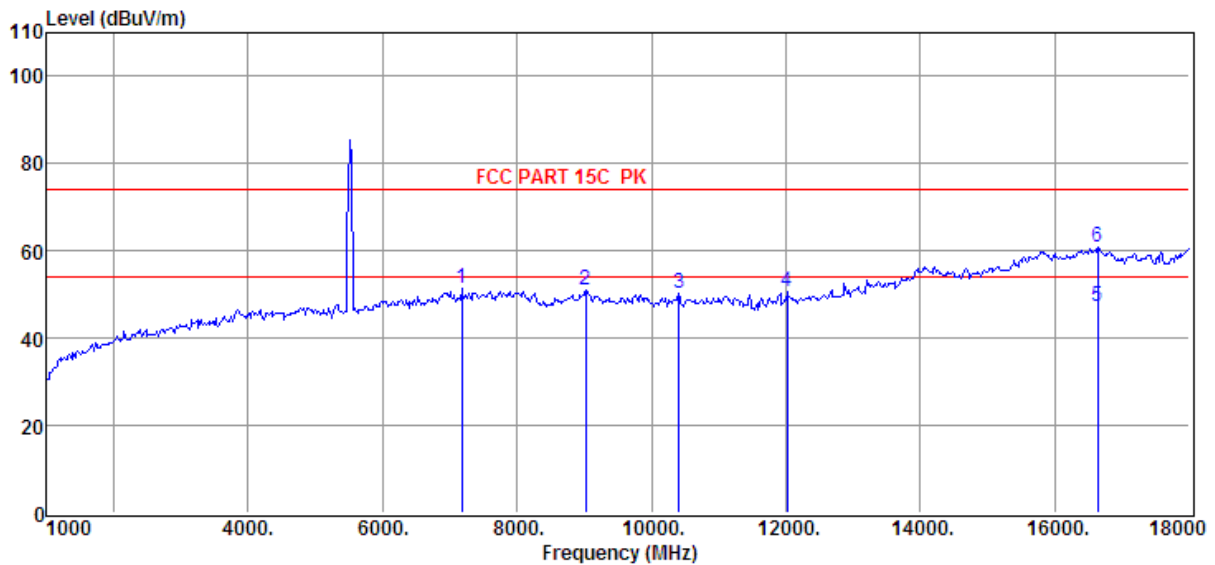
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	7086.00	34.71	36.27	30.42	10.51	51.07	74.00	-22.93	Peak	VERTICAL
2	8990.00	34.01	37.46	32.32	11.81	50.96	74.00	-23.04	Peak	VERTICAL
3	10894.00	32.75	37.51	33.74	13.31	49.83	74.00	-24.17	Peak	VERTICAL
4	12016.00	33.31	37.62	34.80	14.24	50.37	74.00	-23.63	Peak	VERTICAL
5	16691.00	20.13	44.39	36.28	17.84	46.08	54.00	-7.92	Average	VERTICAL
6	16691.00	34.82	44.39	36.28	17.84	60.77	74.00	-13.23	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

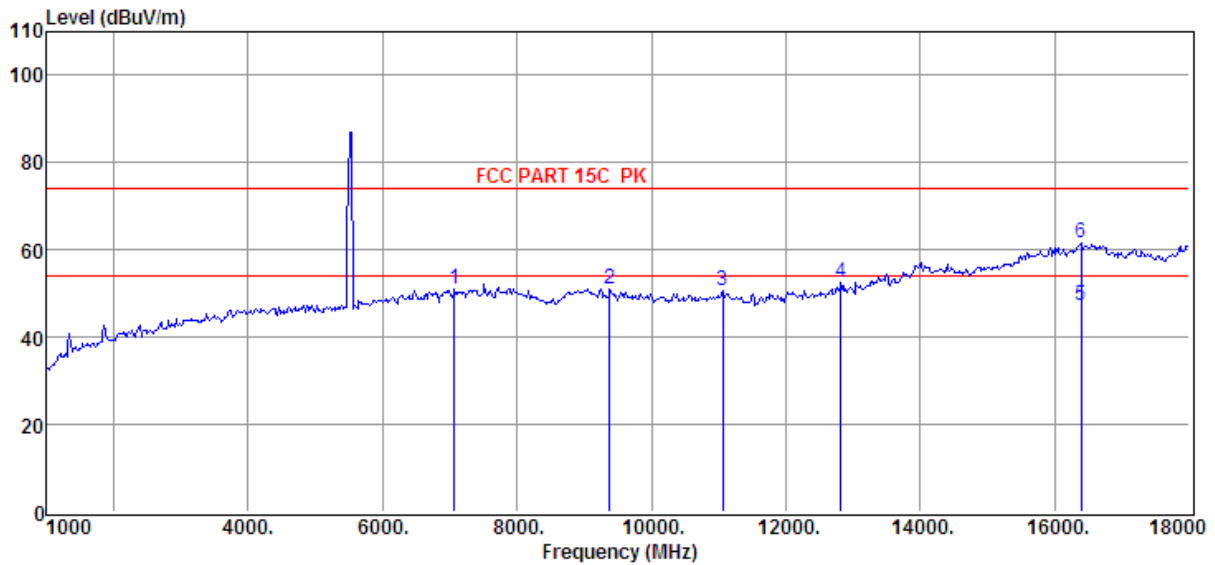
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7171.00	34.88	36.34	30.48	10.57	51.31	74.00	-22.69	Peak	HORIZONTAL
2	9024.00	34.10	37.45	32.33	11.83	51.05	74.00	-22.95	Peak	HORIZONTAL
3	10401.00	34.30	36.50	33.20	12.65	50.25	74.00	-23.75	Peak	HORIZONTAL
4	12016.00	33.49	37.62	34.80	14.24	50.55	74.00	-23.45	Peak	HORIZONTAL
5	16640.00	21.32	44.47	36.28	17.74	47.25	54.00	-6.75	Average	HORIZONTAL
6	16640.00	34.85	44.47	36.28	17.74	60.78	74.00	-13.22	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

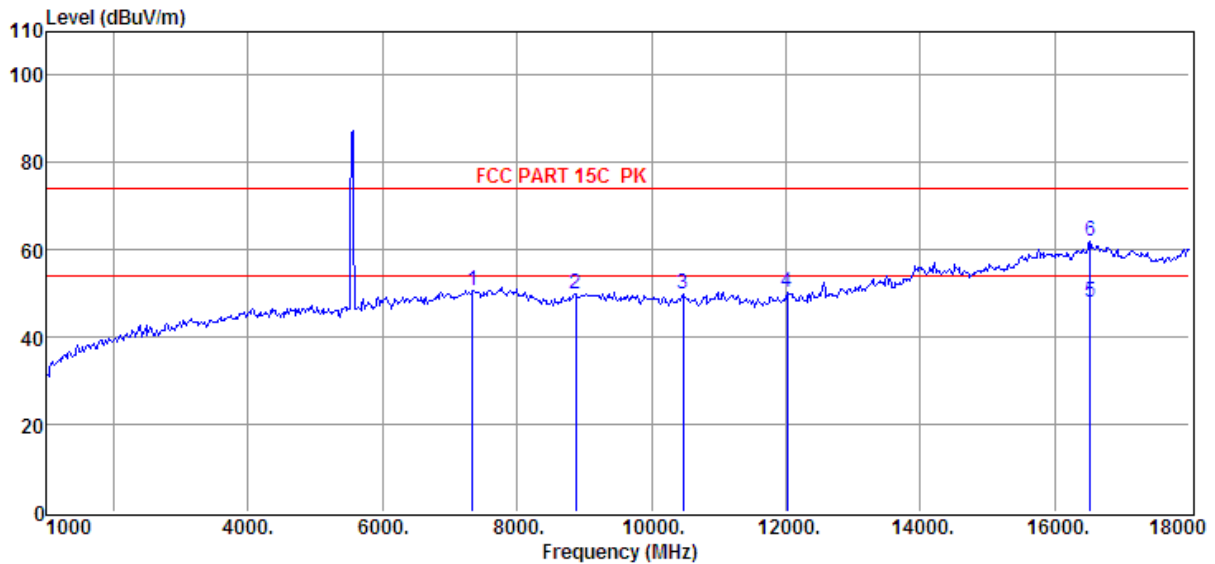


Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7069.00	34.75	36.26	30.42	10.50	51.09	74.00	-22.91	Peak	VERTICAL
2	9381.00	34.76	36.66	32.52	12.22	51.12	74.00	-22.88	Peak	VERTICAL
3	11064.00	33.63	37.66	34.08	13.49	50.70	74.00	-23.30	Peak	VERTICAL
4	12815.00	34.67	38.62	35.58	14.66	52.37	74.00	-21.63	Peak	VERTICAL
5	16385.00	21.42	44.52	35.92	17.40	47.42	54.00	-6.58	Average	VERTICAL
6	16385.00	35.46	44.52	35.92	17.40	61.46	74.00	-12.54	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

7.3.3.4. UNII-3 BAND

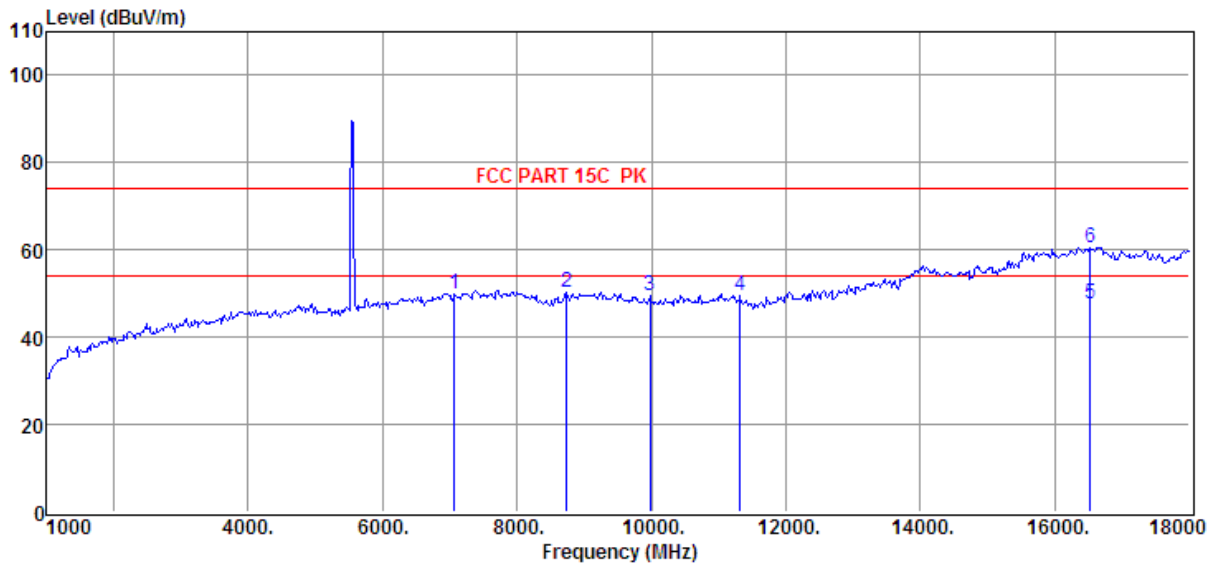
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7341.00	34.23	36.48	30.59	10.72	50.84	74.00	-23.16	Peak	HORIZONTAL
2	8871.00	33.59	36.94	32.22	11.77	50.08	74.00	-23.92	Peak	HORIZONTAL
3	10469.00	33.95	36.43	33.25	12.69	49.82	74.00	-24.18	Peak	HORIZONTAL
4	12016.00	33.35	37.62	34.80	14.24	50.41	74.00	-23.59	Peak	HORIZONTAL
5	16521.00	22.01	44.67	36.06	17.51	48.13	54.00	-5.87	Average	HORIZONTAL
6	16521.00	35.85	44.67	36.06	17.51	61.97	74.00	-12.03	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

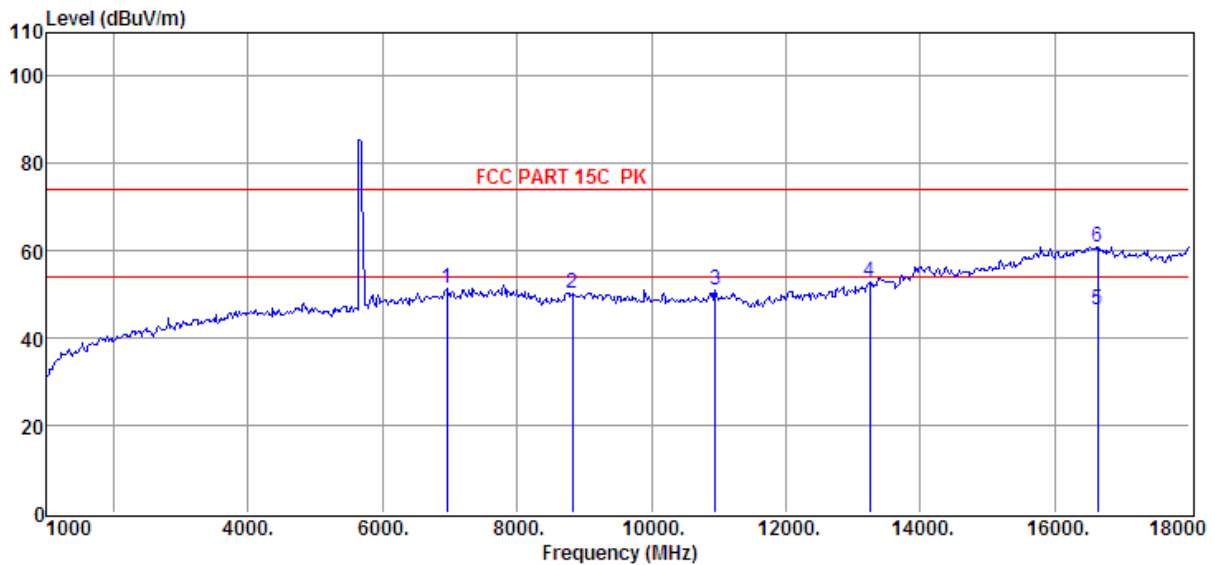
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	7069.00	33.68	36.26	30.42	10.50	50.02	74.00	-23.98	Peak	VERTICAL
2	8735.00	34.40	36.35	32.07	11.73	50.41	74.00	-23.59	Peak	VERTICAL
3	9976.00	32.99	36.88	32.91	12.43	49.39	74.00	-24.61	Peak	VERTICAL
4	11319.00	33.20	37.09	34.38	13.54	49.45	74.00	-24.55	Peak	VERTICAL
5	16521.00	21.63	44.67	36.06	17.51	47.75	54.00	-6.25	Average	VERTICAL
6	16521.00	34.34	44.67	36.06	17.51	60.46	74.00	-13.54	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

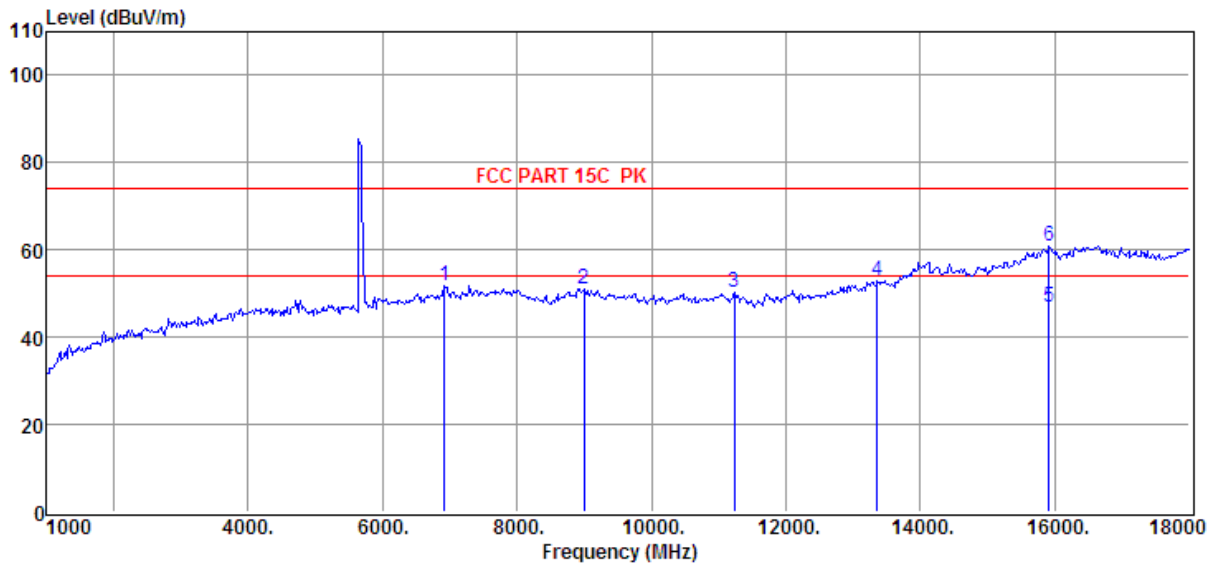
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6950.00	35.36	36.16	30.34	10.39	51.57	74.00	-22.43	Peak	HORIZONTAL
2	8820.00	34.15	36.72	32.18	11.75	50.44	74.00	-23.56	Peak	HORIZONTAL
3	10945.00	33.63	37.65	33.80	13.39	50.87	74.00	-23.13	Peak	HORIZONTAL
4	13240.00	34.54	39.04	35.50	14.73	52.81	74.00	-21.19	Peak	HORIZONTAL
5	16640.00	20.55	44.47	36.28	17.74	46.48	54.00	-7.52	Average	HORIZONTAL
6	16640.00	34.98	44.47	36.28	17.74	60.91	74.00	-13.09	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	6916.00	35.55	36.13	30.33	10.37	51.72	74.00	-22.28	Peak	VERTICAL
2	8990.00	34.11	37.46	32.32	11.81	51.06	74.00	-22.94	Peak	VERTICAL
3	11234.00	33.78	37.28	34.25	13.53	50.34	74.00	-23.66	Peak	VERTICAL
4	13359.00	34.26	39.16	35.42	14.76	52.76	74.00	-21.24	Peak	VERTICAL
5	15909.00	21.54	43.74	35.50	16.96	46.74	54.00	-7.26	Average	VERTICAL
6	15909.00	35.58	43.74	35.50	16.96	60.78	74.00	-13.22	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto

Note 1: The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

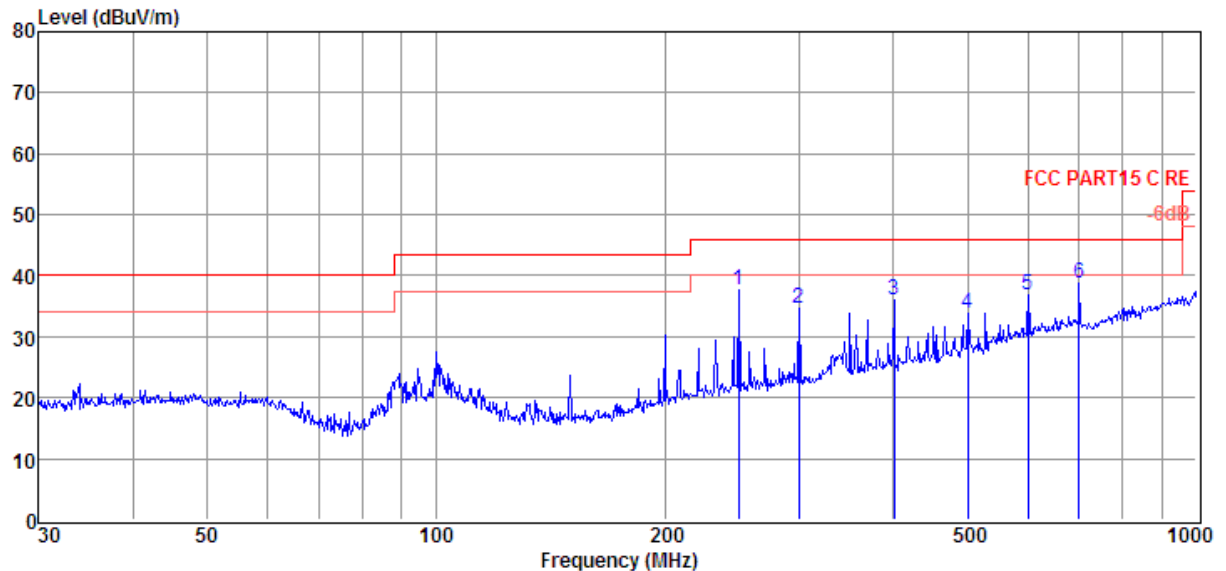
Note 2: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

7.4. SPURIOUS EMISSIONS BELOW 1 GHz

7.4.1. 802.11a MODE

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

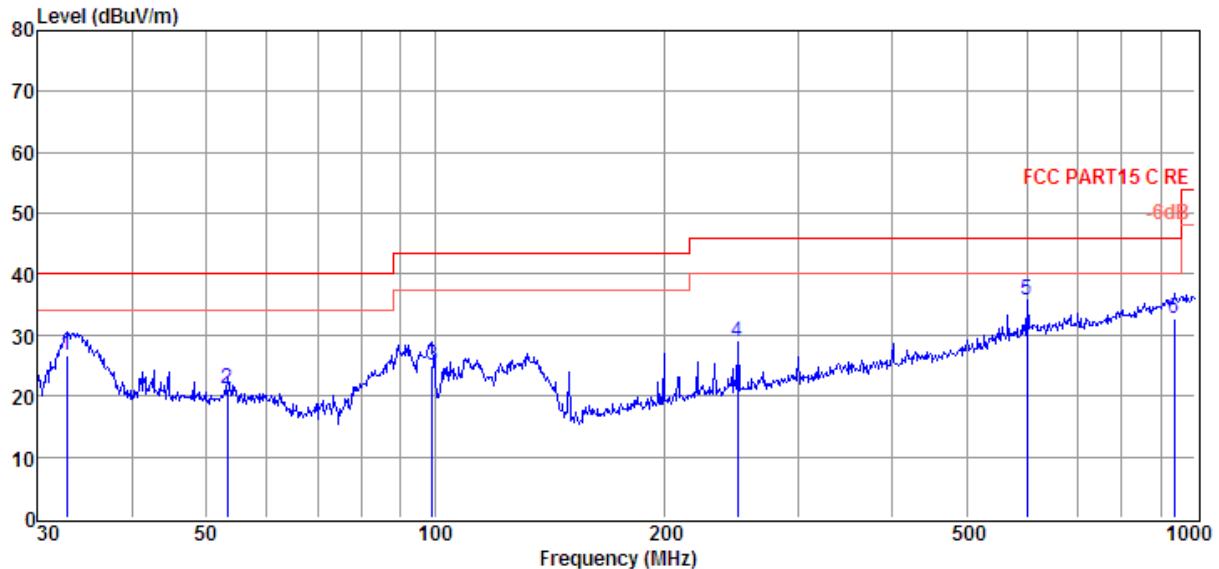
EUT:	August Doorbell Cam	Polarization :	Horizontal
Test Mode:	UNII-1 BAND Middle Channel		



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	250.30	20.17	12.30	5.14	37.61	46.00	-8.39	QP	HORIZONTAL
2	300.37	15.95	13.41	5.38	34.74	46.00	-11.26	QP	HORIZONTAL
3	400.43	14.58	15.71	5.80	36.09	46.00	-9.91	QP	HORIZONTAL
4	501.18	10.28	17.50	6.17	33.95	46.00	-12.05	QP	HORIZONTAL
5	601.43	11.03	19.27	6.51	36.81	46.00	-9.19	QP	HORIZONTAL
6	701.76	12.06	19.86	6.84	38.76	46.00	-7.24	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT:	August Doorbell Cam	Polarization :	Vertical
Test Mode:	UNII-1 BAND Middle Channel		



Item	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	dB	(dBμV/m)	(dBμV/m)	(dB)	
1	32.75	11.38	11.48	3.71	26.57	40.00	-13.43	QP
2	53.32	5.52	11.70	3.92	21.14	40.00	-18.86	QP
3	99.18	8.65	11.94	4.29	24.88	43.50	-18.62	QP
4	250.30	11.53	12.30	5.14	28.97	46.00	-17.03	QP
5	601.43	10.07	19.27	6.51	35.85	46.00	-10.15	QP
6	938.83	2.30	22.97	7.52	32.79	46.00	-13.21	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Note 1: All the modulation and channels had been tested, but only the worst data recorded in the report.

Note 2: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

7.5. SPURIOUS EMISSIONS BELOW 30M

Note 1: The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Note 2: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

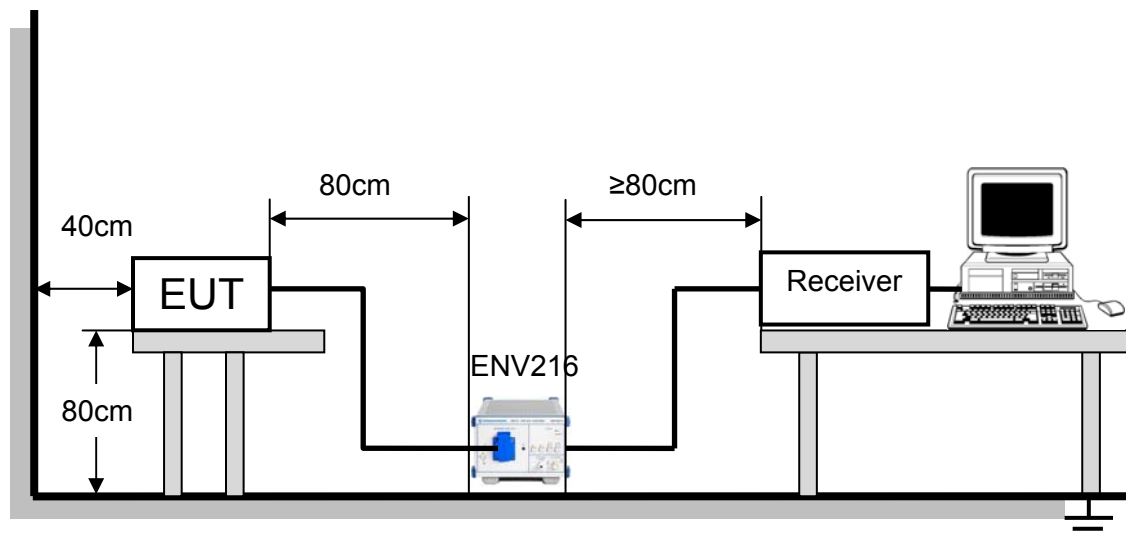
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) and RSS-Gen Clause 8.8

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE

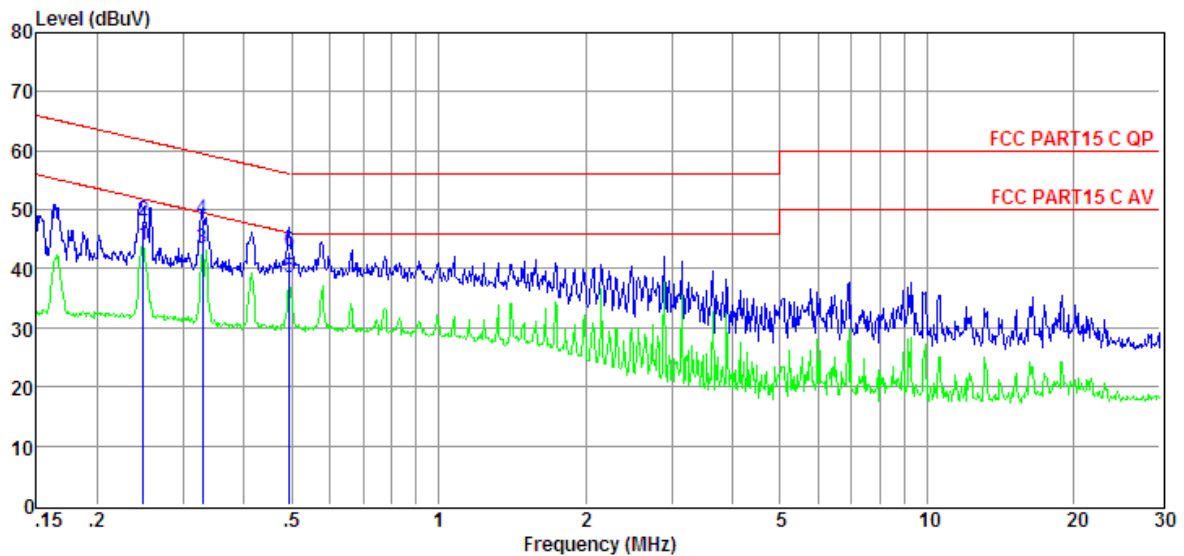


The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST RESULTS (WORST-CASE CONFIGURATION)

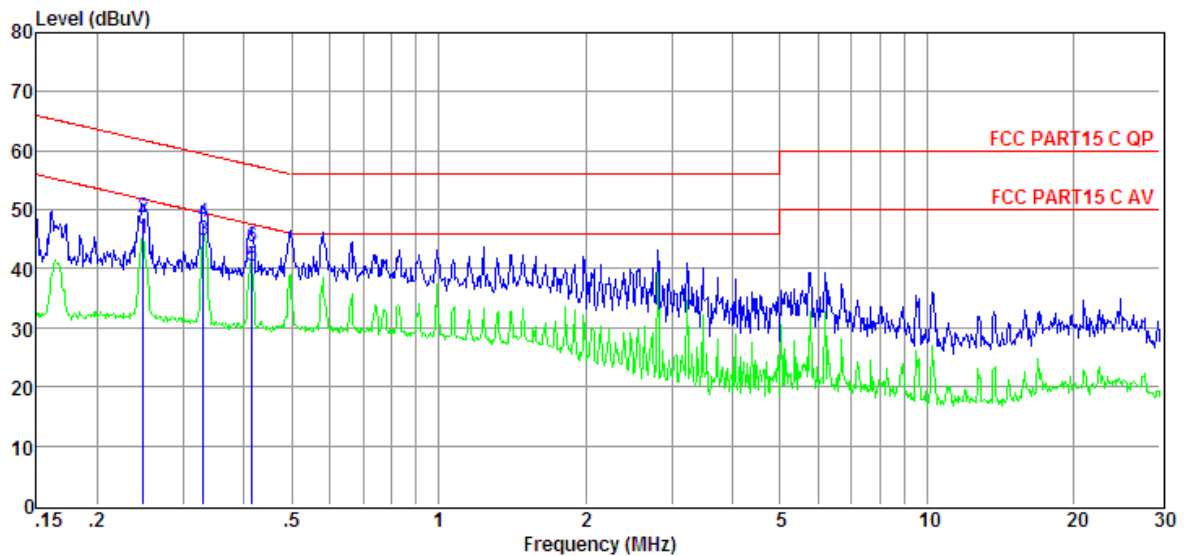
EUT:	August Doorbell Cam	Phase :	L1
Test Mode:	UNII-1 BAND Middle Channel	Test Voltage:	AC 120V/60Hz



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.25	24.61	9.61	0.02	9.86	44.10	51.82	-7.72	Average	LINE
2	0.25	28.62	9.61	0.02	9.86	48.11	61.82	-13.71	QP	LINE
3	0.33	23.99	9.61	0.02	9.86	43.48	49.49	-6.01	Average	LINE
4	0.33	28.80	9.61	0.02	9.86	48.29	59.49	-11.20	QP	LINE
5	0.49	19.05	9.61	0.02	9.86	38.54	46.10	-7.56	Average	LINE
6	0.49	23.52	9.61	0.02	9.86	43.01	56.10	-13.09	QP	LINE

- Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

EUT:	August Doorbell Cam	Phase :	N
Test Mode:	UNII-1 BAND Middle Channel	Test Voltage:	AC 120V/60Hz



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.25	25.65	9.61	0.02	9.86	45.14	51.82	-6.68	Average	NEUTRAL
2	0.25	29.05	9.61	0.02	9.86	48.54	61.82	-13.28	QP	NEUTRAL
3	0.33	25.44	9.61	0.02	9.86	44.93	49.44	-4.51	Average	NEUTRAL
4	0.33	28.48	9.61	0.02	9.86	47.97	59.44	-11.47	QP	NEUTRAL
5	0.41	20.95	9.61	0.02	9.86	40.44	47.55	-7.11	Average	NEUTRAL
6	0.41	24.18	9.61	0.02	9.86	43.67	57.55	-13.88	QP	NEUTRAL

- Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Note: All the modulation and channels had been tested, but only the worst data recorded in the report.

9. FREQUENCY STABILITY

LIMITS

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Frequency Stability	Specified in the user's manual	5150-5250
		5250-5350
		5470-5725
		5725-5850

TEST SETUP AND PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

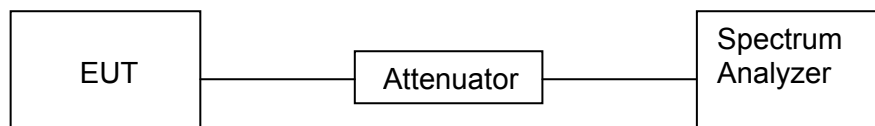
Center Frequency	The centre frequency of the channel under test
Detector	PEAK
RBW	10KHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is -10°C~45°C.

TEST SETUP



TEST RESULTS (WORST-CASE CONFIGURATION)

EUT:	August Doorbell Cam	Test Mode:	802.11a MODE
------	---------------------	------------	--------------

Frequency Error vs. Voltage:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	TN	VL	5180.014	2.70	PASS
			TN	VN	5180.015	2.90	PASS
			TN	VH	5180.013	2.51	PASS
11A	Ant1	5230	TN	VL	5320.014	2.63	PASS
			TN	VN	5320.012	2.26	PASS
			TN	VH	5320.014	2.63	PASS
11A	Ant1	5500	TN	VL	5500.021	3.82	PASS
			TN	VN	5500.014	2.55	PASS
			TN	VH	5500.012	2.18	PASS
11A	Ant1	5825	TN	VL	5825.031	5.32	PASS
			TN	VN	5825.030	5.15	PASS
			TN	VH	5825.030	5.15	PASS

Frequency Error vs. Temperature:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	50	VN	5180.011	2.12	PASS
			40	VN	5180.012	2.32	PASS
			30	VN	5180.013	2.51	PASS
			20	VN	5180.011	2.12	PASS
			10	VN	5180.012	2.32	PASS
			0	VN	5180.013	2.51	PASS
			-10	VN	5180.014	2.70	PASS
			-20	VN	5180.011	2.12	PASS
			-30	VN	5180.012	2.32	PASS
11A	Ant1	5825	50	VN	5825.033	5.67	PASS
			40	VN	5825.031	5.32	PASS
			30	VN	5825.031	5.32	PASS
			20	VN	5825.030	5.15	PASS
			10	VN	5825.031	5.32	PASS
			0	VN	5825.032	5.49	PASS
			-10	VN	5825.033	5.67	PASS
			-20	VN	5825.031	5.32	PASS
			-30	VN	5825.033	5.67	PASS

Note 1: All the modulation and channels had been tested, but only the worst data recorded in the report.

10. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

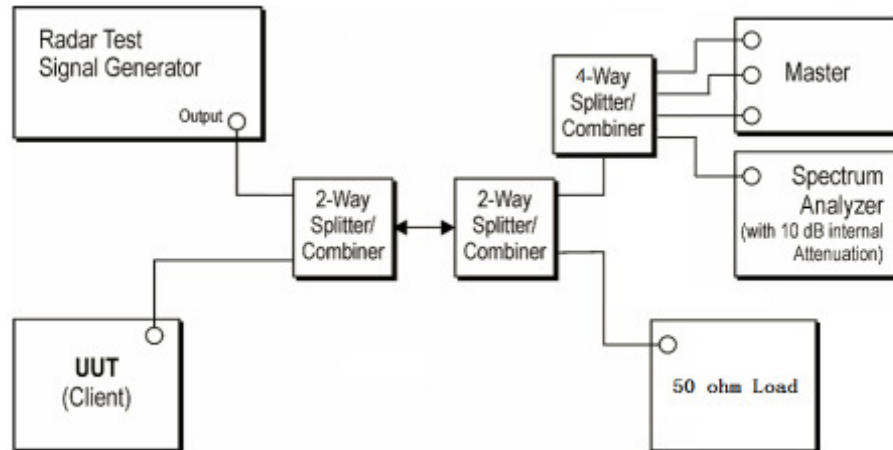
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

CALIBRATION OF RADAR WAVEFORM

Radar Waveform Calibration Procedure

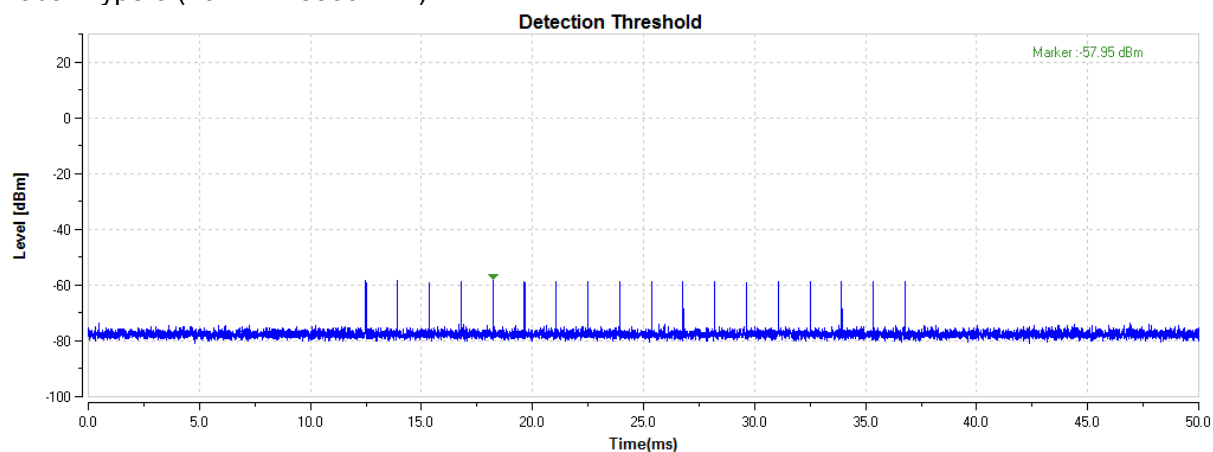
- (1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
- (2) The interference Radar Detection Threshold Level is $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB .
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup



Radar Waveform Calibration Result

Radar Type 0 (20MHz / 5500MHz)

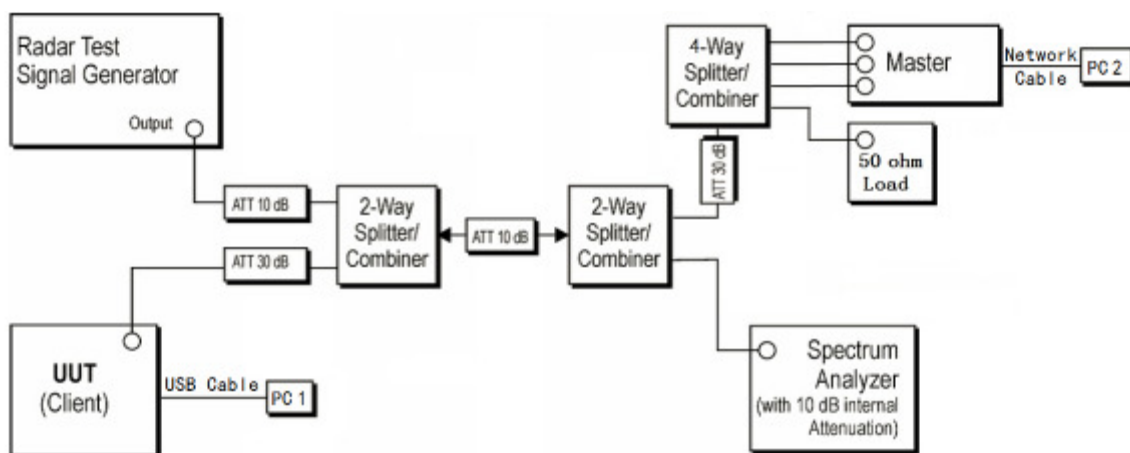


PERIOD**Block diagram of test setup Test Procedure**

- (1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- (4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
- (5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- (7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
- (8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- (9) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

TEST SETUP

Setup for Client with injection at the Master

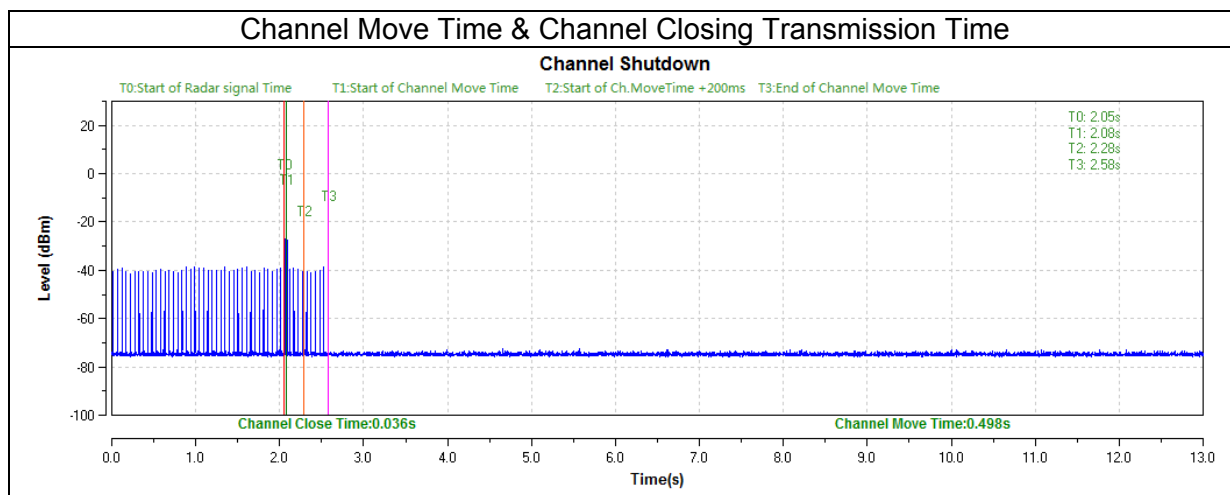


TEST RESULT

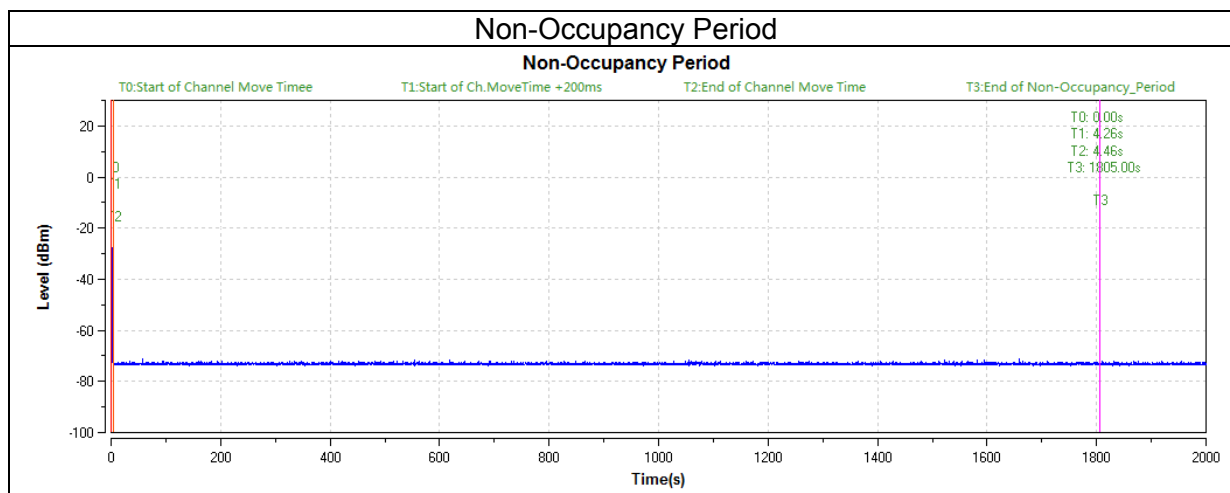
Test Data:

BW/Channel	Test Item	Test Result	Limit	Results
40MHz / 5550MHz	Channel Move Time	0.498s	<10 s	pass
	Channel Closing Transmission Time	0.036s	<1s	pass

Test plots as follows:



BW/Channel	Test Item	Test Result	Limit	Results
40MHz / 5550MHz	Non-Occupancy Period	>30min	30min	pass



11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

ANTENNA CONNECTOR

Antenna Connector is on the PCB within enclosure and not accessible to user.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.

END OF REPORT