

FCC C2PC Test Report

FCC ID : QXO-AP3825E
Equipment : 11ac 5G radio module
Model No. : PCE4551AH-ETS
Brand Name : Extreme Networks
Applicant : Extreme Networks, Inc.
Address : 9 Northeastern Blvd., Salem, New Hampshire,
United States, 03079
Manufacturer : Extreme Networks, Inc.
Address : 9 Northeastern Blvd., Salem, New Hampshire,
United States, 03079
Standard : 47 CFR FCC Part 15.407
Received Date : Jul. 27, 2013
Tested Date : Jul. 27 ~ Oct. 30, 2013
Mar. 08 ~ Mar. 12, 2014

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR382401ANC2	Rev. 01	Initial issue	Apr. 07, 2014

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.171MHz 41.36 (Margin -13.54dB) - AV	Pass
15.407(b)(1)(2)(3) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5350.00MHz 53.00 (Margin -1.00dB) – AV [dBuV/m at 3m]: 5470.00MHz 53.00 (Margin -1.00dB) – AV [dBuV/m at 3m]: 5725.00MHz 53.00 (Margin -1.00dB) – AV [dBuV/m at 3m]: 5825.00MHz 53.00 (Margin -1.00dB) – AV	Pass
15.407(a)(1)(2)(3)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(a)(1)(2)(3)	RF Output Power	Power [dBm]: 5250~5350 MHz: 23.91 5470~5725 MHz: 23.83	Pass
15.407(a)(1)(2)(3)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(a)(6)	Peak Excursion	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
IEEE Std. 802.11	Frequency Range (MHz)	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
a	5250-5350 5470-5725	5260-5320 5500-5720	52-64 [4] 100-144 [9]	3	6-54 Mbps
n (HT20)	5250-5350 5470-5725	5260-5320 5500-5720	52-64 [4] 100-144 [9]	3	MCS 0-23
n (HT40)	5250-5350 5470-5725	5270-5310 5510-5710	54-62 [2] 102-142 [4]	3	MCS 0-23
ac (VHT20)	5250-5350 5470-5725	5260-5320 5500-5720	52-64 [4] 100-144 [9]	3	MCS 0-8
ac (VHT40)	5250-5350 5470-5725	5270-5310 5510-5710	54-62 [2] 102-142 [4]	3	MCS 0-9
ac (VHT80)	5250-5350 5470-5725	5290 5530-5690	58 [1] 106-138 [2]	3	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.					

Note:

This report is issued as a FCC Class II Permissive Change. The modification is only concerned with adding 5250~5350MHz and 5470~5725 MHz band by software setting.

1.1.2 Antenna Details

Ant. No.	Model	Ant. Type	Connector	Gain (dBi)	Application
1	WS-ANT-5DIP-3	Dipole	RPSMA	3	P to MP
2	N/A	PIFA	UFL	6	P to MP
	ANT-PIFA7262AG	PIFA	UFL	5.5	P to MP
3	WS-AI-DX07025	Panel	RPSMA	5.5	P to MP
4	WS-AI-DX10055	Panel	RPSMA	6	P to MP
5	WS-AI-DX02360	Omni	RPSMA	2	P to MP
6	WS-AI-DT05120	Sector	RPSMA	5	P to MP
Note: 1. The antennas are professionally installed. 2. Two PIFA antennas with the same power setting, 6dBi one with the highest gain was chosen for final test.					

1.1.3 EUT Operational Condition

Supply Voltage	☐ AC mains	☒ DC	
Type of DC Source	☐ Internal DC supply	☐ External DC adapter	☒ 3.3 Vdc from Host

1.1.4 Accessories

N/A

1.1.5 Channel List

802.11 a / HT20 / VHT20		HT40 / VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
52	5260	54	5270
56	5280	62	5310
60	5300	102	5510
64	5320	110	5550
100	5500	134	5670
104	5520	142	5710
108	5540	VHT 80	
112	5560	58	5290
116	5580	106	5530
132	5660	138	5690
136	5680	---	---
140	5700	---	---
144	5720	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	ART2-GUI, Version 4_9_425		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	98.26%	0.08
	HT20	98.28%	0.08
	HT40	94.96%	0.22
	VHT20	98.16%	0.08
	VHT40	95.91%	0.18
	VHT80	90.45%	0.44

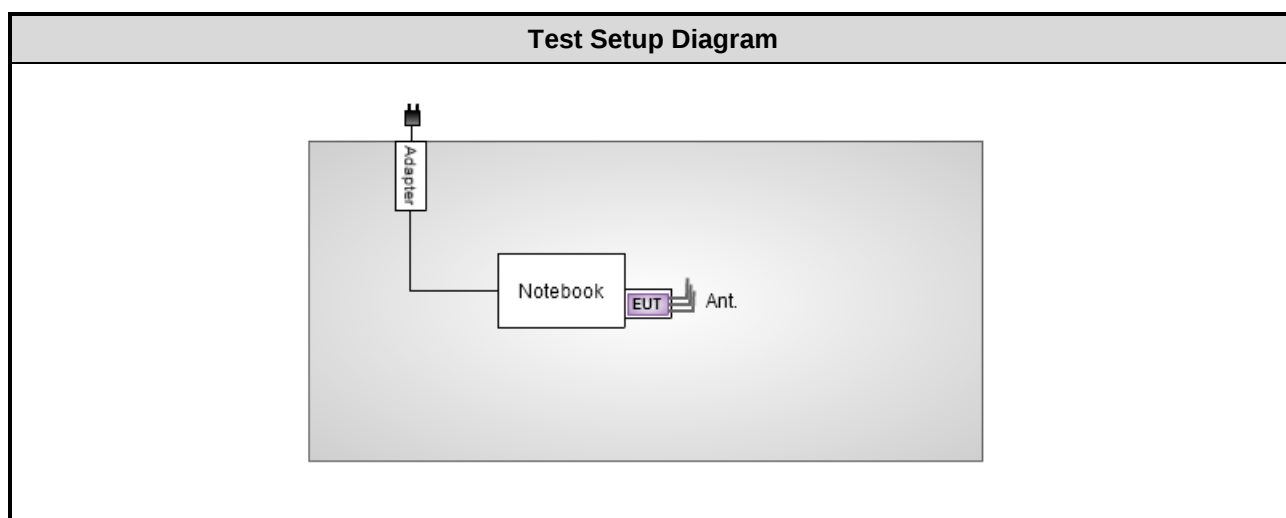
1.1.7 Power Setting

Modulation Mode	Test Frequency (MHz)	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 6
11a	5260	17	14.5	14.5	14.5	18	15
11a	5300	17.5	14.5	14.5	14.5	18.5	15
11a	5320	17.5	14.5	14.5	14.5	18.5	15
11a	5500	16.5	13.5	13.5	13.5	17.5	15
11a	5580	16.5	13.5	13.5	13.5	17.5	15
11a	5700	17	14	14	14	16.5	15
11a	5720	18	15	15	15	19	15.5
HT20	5260	18	14.5	14.5	14.5	18.5	19
HT20	5300	18.5	14.5	14.5	14.5	19	12.5
HT20	5320	18.5	14.5	14.5	14.5	19	15
HT20	5500	17	14	14	14	17.5	15
HT20	5580	17	14	14	14	17.5	15
HT20	5700	16	14	14	14	16	19
HT20	5720	18	15	15	15	19.5	15.5
HT40	5270	19.5	18	18	18	20	12.5
HT40	5310	15	15	13.5	14	14	10.5
HT40	5510	14	14.5	15	14.5	15.5	14.5
HT40	5550	19	17.5	17.5	17.5	19	14.5
HT40	5670	19	18	17	17	18.5	14.5
HT40	5710	20	18	18	18	20	19
VHT20	5260	18	14.5	14.5	14.5	18.5	14.5
VHT20	5300	18.5	14.5	14.5	14.5	19	14.5
VHT20	5320	18.5	14.5	14.5	14.5	19	14.5
VHT20	5500	17	14	14	14	17.5	13
VHT20	5580	17	14	14	14	17.5	18.5
VHT20	5700	16	14	14	14	16	16.5
VHT20	5720	18	15	15	15	19.5	15.5
VHT40	5270	19.5	18	18	18	20	14.5
VHT40	5310	15	15	13.5	14	14	14.5
VHT40	5510	14	14.5	15	14.5	15.5	14.5
VHT40	5550	19	17.5	17.5	17.5	19	13
VHT40	5670	19	18	17	17	18.5	18.5
VHT40	5710	20	18	18	18	20	19
VHT80	5290	10.5	10.5	12	11.5	12	16.5
VHT80	5530	10.5	10.5	13	11.5	13	10.5
VHT80	5690	20	18	18	18	19	18

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	E6420	DoC	---
2	Extender card	Senao	adapter	---	---
3	Carrier board	Senao	IAP6200AG-0 0.2 LFP	---	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested date	Sep. 12, 2013				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
EMC Receiver	R&S	ESCS 30	100358	May 17, 2013	May 16, 2014
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Dec. 04, 2012	Dec. 03, 2013
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2012	Dec. 03, 2013
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 25, 2012	Dec. 24, 2013
50 ohm terminal (Support Unit)	NA	50	04	Apr. 22, 2013	Apr. 21, 2014
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested date	Jul. 27 ~ Oct. 30, 2013				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
3m semi-anechoic chamber	CHAMPRO	SAC-03	03CH01-WS	Jan. 04, 2013	Jan. 03, 2014
Spectrum Analyzer	R&S	FSV40	101498	Jan. 24, 2013	Jan. 23, 2014
Receiver	R&S	ESR3	101658	Jan. 28, 2013	Jan. 27, 2014
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 11, 2013	Jan. 10, 2014
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 18, 2013	Feb. 17, 2014
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Jan. 14, 2013	Jan. 13, 2014
Amplifier	Burgeon	BPA-530	100219	Nov. 28, 2012	Nov. 27, 2013
Amplifier	Agilent	83017A	MY39501308	Dec. 18, 2012	Dec. 17, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R03m	Woken	CFD400NL-LW	CFD400NL-001	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R10m	Woken	CFD400NL-LW	CFD400NL-002	Dec. 25, 2012	Dec. 24, 2013
control	EM Electronics	EM1000	60612	N/A	N/A
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Amplifier	MITEQ	AMF-6F-260400	9121372	Apr. 19, 2013	Apr. 18, 2015
Note: Calibration Interval of instruments listed above is two year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested date	Mar. 08, 2014				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Jan. 25, 2014	Jan. 24, 2015
Receiver	R&S	ESR3	101658	Jan. 10, 2014	Jan. 09, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 02, 2014	Jan. 01, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 13, 2014	Feb. 12, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014
Preamplifier	Burgeon	BPA-530	SN:100219	Nov. 22, 2013	Nov. 21, 2014
Preamplifier	Agilent	83017A	MY39501308	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 16, 2013	Dec. 15, 2014
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Dec. 16, 2013	Dec. 15, 2014
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Dec. 16, 2013	Dec. 15, 2014
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Preamplifier	EM	EM18G40G	060572	Jun. 20, 2013	Jun. 19, 2014
Note: Calibration Interval of instruments listed above is two year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested date	Sep. 24, 2013				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV 40	101063	Feb. 18, 2013	Feb. 17, 2014
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 29, 2012	Nov. 28, 2013
Power Meter	Anritsu	ML2495A	1241002	Oct. 24, 2013	Oct. 23, 2014
Power Sensor	Anritsu	MA2411B	1027366	Oct. 24, 2013	Oct. 23, 2014
Signal Generator	R&S	SMB100A	175727	Jan. 14, 2013	Jan. 13, 2014
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested date	Mar. 12, 2014				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2014	Feb. 16, 2015
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Dec. 11, 2013	Dec. 10, 2014
Power Meter	Anritsu	ML2495A	1241002	Oct. 24, 2013	Oct. 23, 2014
Power Sensor	Anritsu	MA2411B	1207366	Oct. 24, 2013	Oct. 23, 2014
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407

ANSI C63.10-2009

FCC KDB 412172

FCC KDB 789033 D01 General UNII Test procedures v01r03

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

Note: The EUT has been tested and complied with FCC part 15B requirement. FCC Part 15B test results are issued to another report.

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±74.147 Hz
Conducted power	±0.717 dB
Power density	±2.687 dB
Frequency error	±74.147 Hz
Temperature	±0.3 °C
AC conducted emission	±2.43 dB
Radiated emission	±2.49 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	23°C / 69%	Peter Lin
Radiated Emissions	03CH01-WS	25°C / 65% 19°C / 63%	Aska Huang
RF Conducted	TH01-WS	22.1°C / 61% 21.0°C / 60%	Brad Wu Felix Sung

➤ FCC site registration No.: 657002

➤ IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Conducted Emissions	VHT40	5550	MCS 0	1-6
Radiated Emissions ≤1GHz	VHT40	5550	MCS 0	1-6
RF Output Power	11a	5260 / 5300 5320 5500 / 5580 / 5700 / 5720	6 Mbps	1-6
	HT20	5260 / 5300 5320 5500 / 5580 / 5700 / 5720	MCS 0	
	HT40	5270 / 5310 5510 5550 / 5670 / 5710	MCS 0	
	VHT20	5260 / 5300 5320 5500 / 5580 / 5700 / 5720	MCS 0	
	VHT40	5270 / 5310 5510 5550 / 5670 / 5710	MCS 0	
	VHT80	5290 / 5530 / 5690	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5260 / 5300 5320 5500 / 5580 / 5700 / 5720	6 Mbps	1-6
	VHT20	5260 / 5300 5320 5500 / 5580 / 5700 / 5720	MCS 0	
	VHT40	5270 / 5310 5510 5550 / 5670 / 5710	MCS 0	
	VHT80	5290 / 5530 / 5690	MCS 0	

Peak Excursion	11a	5300 / 5580	6 Mbps	1
	VHT20	5300 / 5580	MCS 0	
	VHT40	5270 / 5550	MCS 0	
	VHT80	5290 / 5690	MCS 0	
	11a	5300 / 5700	6 Mbps	2, 3, 4
	VHT20	5300 / 5580	MCS 0	
	VHT40	5270 / 5550	MCS 0	
	VHT80	5290 / 5690	MCS 0	
	11a	5260 / 5500	6 Mbps	5
	VHT20	5300 / 5500	MCS 0	
	VHT40	5270 / 5550	MCS 0	
	VHT80	5290 / 5690	MCS 0	
	11a	5300 / 5580	6 Mbps	6
	VHT20	5300 / 5500	MCS 0	
	VHT40	5270 / 5550	MCS 0	
	VHT80	5290 / 5690	MCS 0	
Frequency Stability	Un-modulation	5320	---	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The worst planes and final test configurations are record below.
2. The following antennas are used for this EUT.
 - 1) Configuration 1: Ant 1, Dipole antenna with 3dBi gain
 - 2) Configuration 2: Ant 2, PIFA antenna with 6dBi gain, X-plane
 - 3) Configuration 3: Ant 3, Panel antenna with 5.5dBi gain, X-plane
 - 4) Configuration 4: Ant 4, Panel antenna with 6dBi gain, X-plane
 - 5) Configuration 5: Ant 5, Omni antenna with 2dBi gain, X-plane
 - 6) Configuration 6: Ant 6, Sector antenna with 5dBi gain, X-plane

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

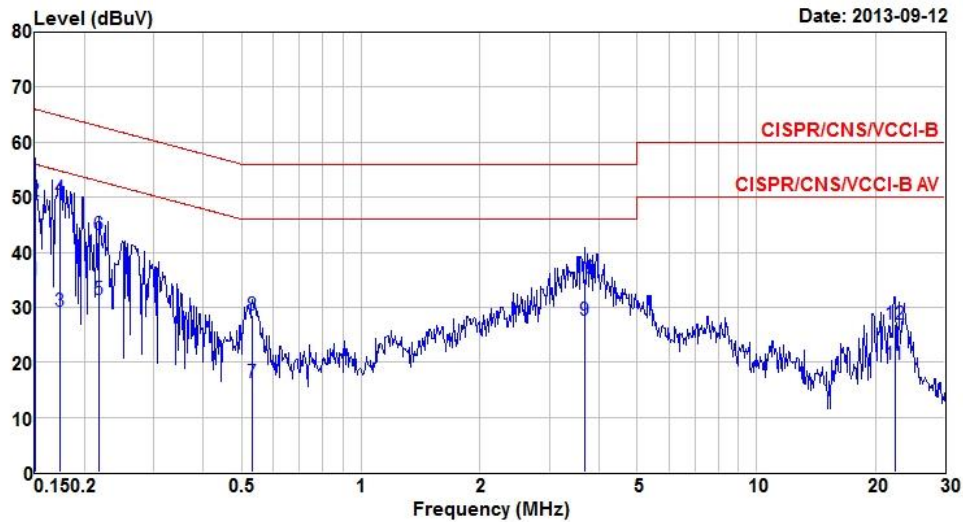
3.1.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

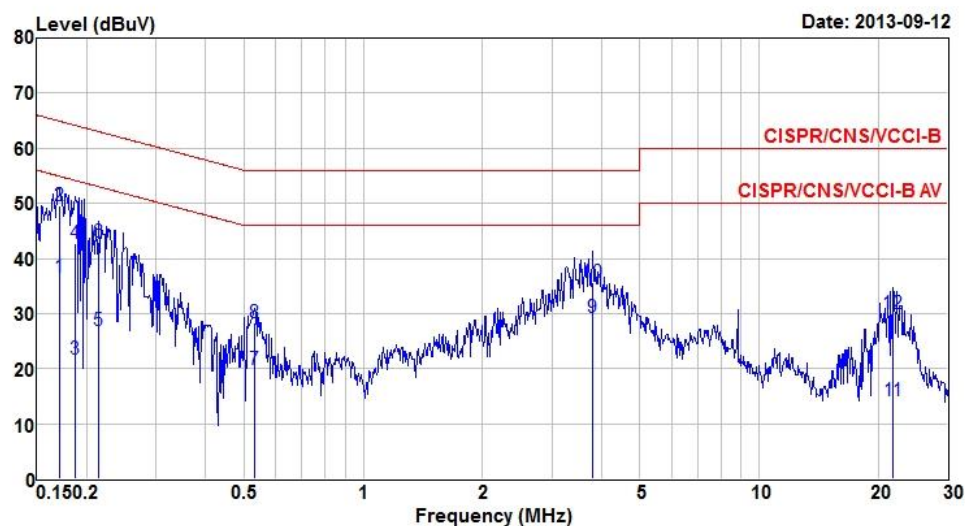
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	1



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.151	35.04	55.96	-20.92	34.95	0.03	0.06	Average
2	0.151	49.32	65.96	-16.64	49.23	0.03	0.06	QP
3	0.173	29.23	54.81	-25.58	29.08	0.03	0.12	Average
4	0.173	49.70	64.81	-15.11	49.55	0.03	0.12	QP
5	0.217	31.43	52.92	-21.49	31.24	0.03	0.16	Average
6	0.217	43.12	62.92	-19.80	42.93	0.03	0.16	QP
7	0.532	16.35	46.00	-29.65	16.27	0.03	0.05	Average
8	0.532	28.57	56.00	-27.43	28.49	0.03	0.05	QP
9	3.681	27.53	46.00	-18.47	27.24	0.06	0.23	Average
10	3.681	35.15	56.00	-20.85	34.86	0.06	0.23	QP
11	22.416	19.59	50.00	-30.41	19.11	0.14	0.34	Average
12	22.416	26.97	60.00	-33.03	26.49	0.14	0.34	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

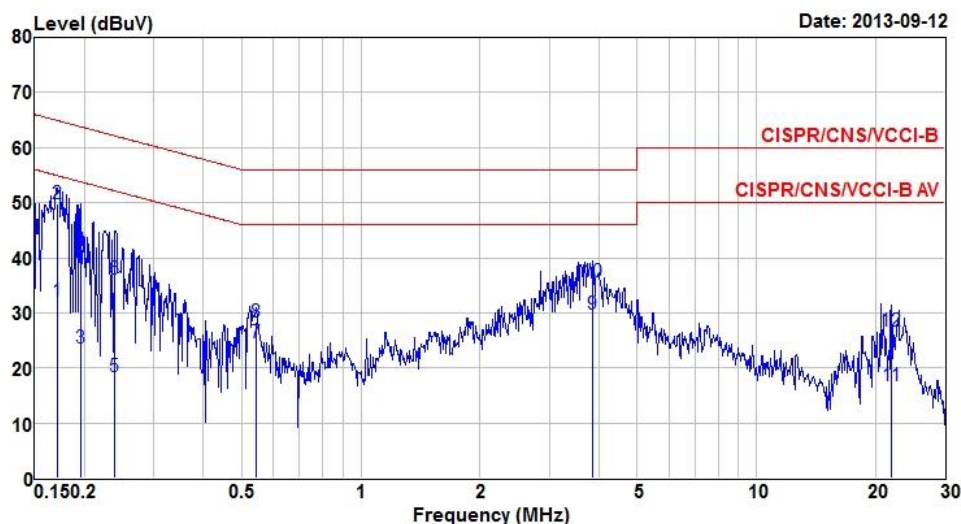
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	1



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.170	36.54	54.94	-18.40	36.41	0.02	0.11	Average
2	0.170	49.66	64.94	-15.28	49.53	0.02	0.11	QP
3	0.187	21.70	54.15	-32.45	21.53	0.02	0.15	Average
4	0.187	42.74	64.15	-21.41	42.57	0.02	0.15	QP
5	0.215	26.80	53.01	-26.21	26.61	0.02	0.17	Average
6	0.215	43.01	63.01	-20.00	42.82	0.02	0.17	QP
7	0.532	19.80	46.00	-26.20	19.73	0.02	0.05	Average
8	0.532	28.21	56.00	-27.79	28.14	0.02	0.05	QP
9	3.799	29.25	46.00	-16.75	28.97	0.05	0.23	Average
10	3.799	35.74	56.00	-20.26	35.46	0.05	0.23	QP
11	21.830	14.12	50.00	-35.88	13.67	0.14	0.31	Average
12	21.830	30.05	60.00	-29.95	29.60	0.14	0.31	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

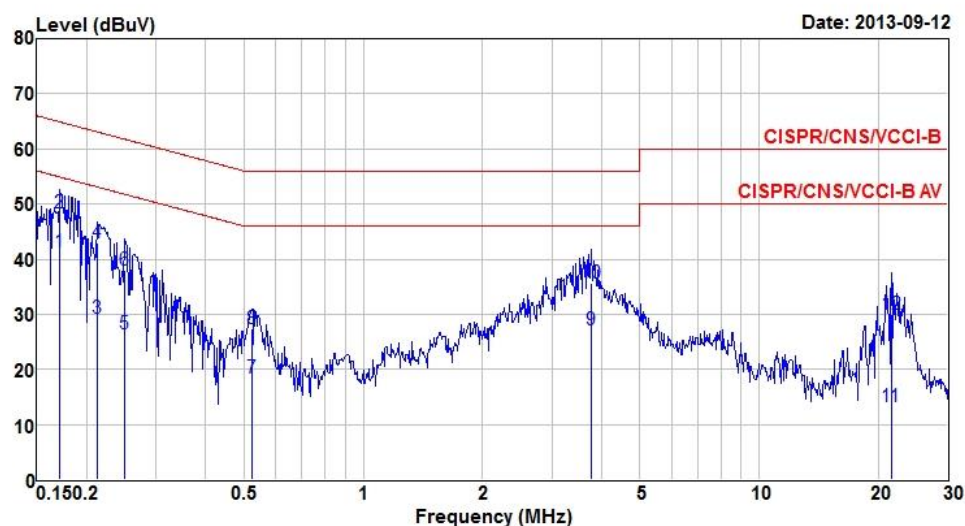
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	2



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.170	32.06	54.94	-22.88	31.92	0.03	0.11	Average
2	0.170	49.75	64.94	-15.19	49.61	0.03	0.11	QP
3	0.195	23.52	53.80	-30.28	23.32	0.03	0.17	Average
4	0.195	41.29	63.80	-22.51	41.09	0.03	0.17	QP
5	0.239	18.49	52.13	-33.64	18.31	0.03	0.15	Average
6	0.239	36.09	62.13	-26.04	35.91	0.03	0.15	QP
7	0.544	24.47	46.00	-21.53	24.39	0.03	0.05	Average
8	0.544	28.41	56.00	-27.59	28.33	0.03	0.05	QP
9	3.860	29.77	46.00	-16.23	29.47	0.06	0.24	Average
10	3.860	35.65	56.00	-20.35	35.35	0.06	0.24	QP
11	21.946	16.82	50.00	-33.18	16.37	0.14	0.31	Average
12	21.946	26.77	60.00	-33.23	26.32	0.14	0.31	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

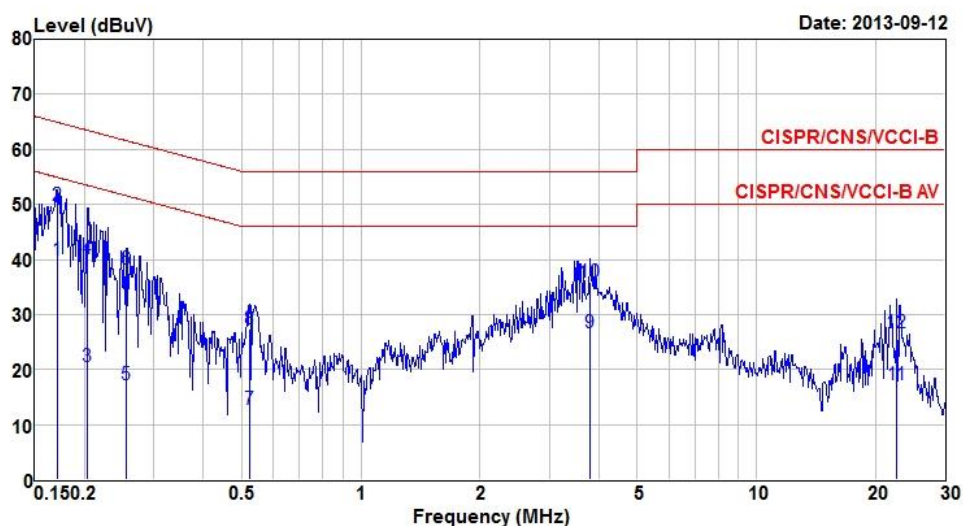
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	2



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.171	41.36	54.90	-13.54	41.23	0.02	0.11	Average
2	0.171	48.31	64.90	-16.59	48.18	0.02	0.11	QP
3	0.213	29.25	53.10	-23.85	29.06	0.02	0.17	Average
4	0.213	43.08	63.10	-20.02	42.89	0.02	0.17	QP
5	0.249	26.50	51.78	-25.28	26.34	0.02	0.14	Average
6	0.249	38.00	61.78	-23.78	37.84	0.02	0.14	QP
7	0.524	18.52	46.00	-27.48	18.45	0.02	0.05	Average
8	0.524	27.28	56.00	-28.72	27.21	0.02	0.05	QP
9	3.779	27.18	46.00	-18.82	26.90	0.05	0.23	Average
10	3.779	35.63	56.00	-20.37	35.35	0.05	0.23	QP
11	21.600	13.32	50.00	-36.68	12.88	0.14	0.30	Average
12	21.600	29.97	60.00	-30.03	29.53	0.14	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

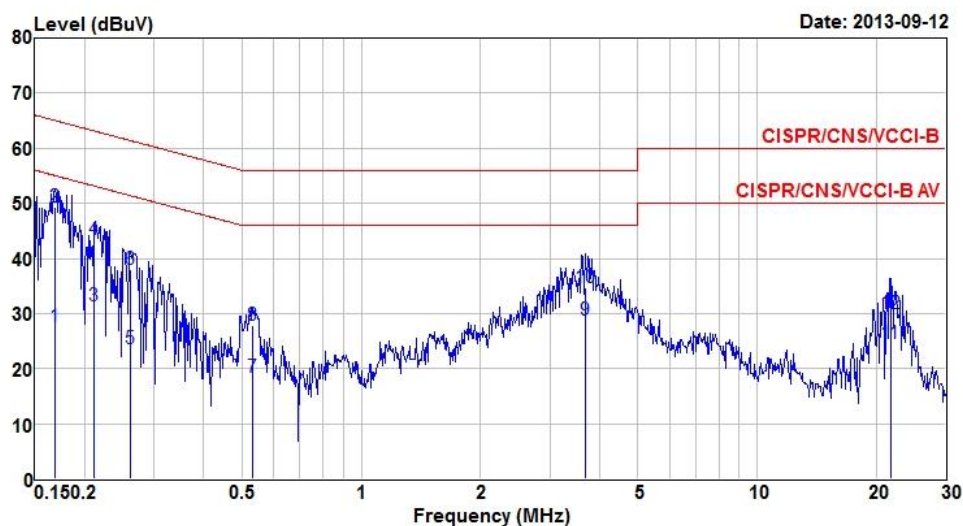
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	3



	Freq	Level	Limit	Over	Read	LISN	cable	Remark
	MHz	dBuV	Line dBuV	Limit dB	Level dBuV	factor dB	loss dB	
1	0.171	40.00	54.90	-14.90	39.86	0.03	0.11	Average
2	0.171	49.75	64.90	-15.15	49.61	0.03	0.11	QP
3	0.204	20.53	53.45	-32.92	20.32	0.03	0.18	Average
4	0.204	40.19	63.45	-23.26	39.98	0.03	0.18	QP
5	0.255	17.18	51.60	-34.42	17.02	0.03	0.13	Average
6	0.255	38.26	61.60	-23.34	38.10	0.03	0.13	QP
7	0.524	12.83	46.00	-33.17	12.75	0.03	0.05	Average
8	0.524	27.42	56.00	-28.58	27.34	0.03	0.05	QP
9	3.799	26.61	46.00	-19.39	26.32	0.06	0.23	Average
10	3.799	35.85	56.00	-20.15	35.56	0.06	0.23	QP
11	22.655	17.25	50.00	-32.75	16.75	0.14	0.36	Average
12	22.655	26.58	60.00	-33.42	26.08	0.14	0.36	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

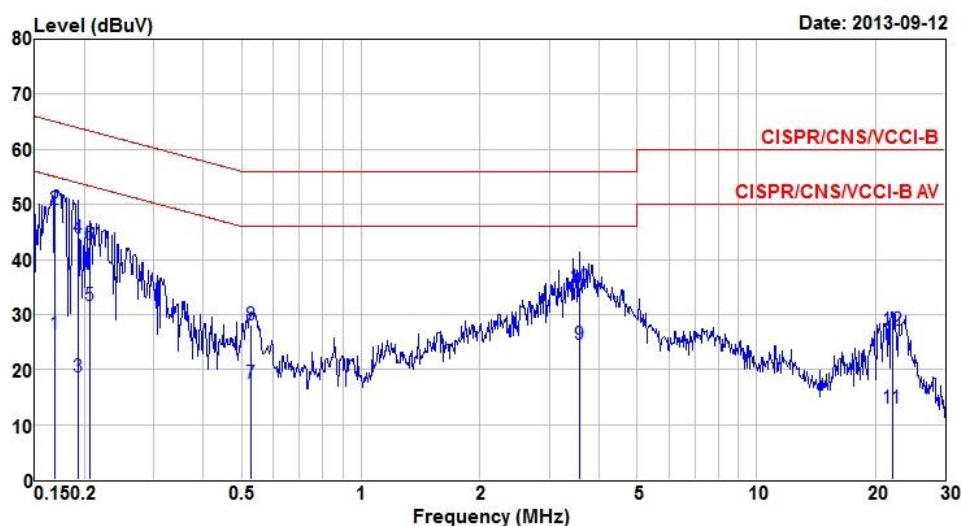
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	3



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.169	27.63	55.03	-27.40	27.50	0.02	0.11	Average
2	0.169	49.40	65.03	-15.63	49.27	0.02	0.11	QP
3	0.212	31.47	53.14	-21.67	31.28	0.02	0.17	Average
4	0.212	43.53	63.14	-19.61	43.34	0.02	0.17	QP
5	0.262	23.64	51.38	-27.74	23.49	0.02	0.13	Average
6	0.262	38.08	61.38	-23.30	37.93	0.02	0.13	QP
7	0.532	18.52	46.00	-27.48	18.45	0.02	0.05	Average
8	0.532	27.95	56.00	-28.05	27.88	0.02	0.05	QP
9	3.681	28.88	46.00	-17.12	28.60	0.05	0.23	Average
10	3.681	34.69	56.00	-21.31	34.41	0.05	0.23	QP
11	21.715	24.50	50.00	-25.50	24.06	0.14	0.30	Average
12	21.715	29.96	60.00	-30.04	29.52	0.14	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

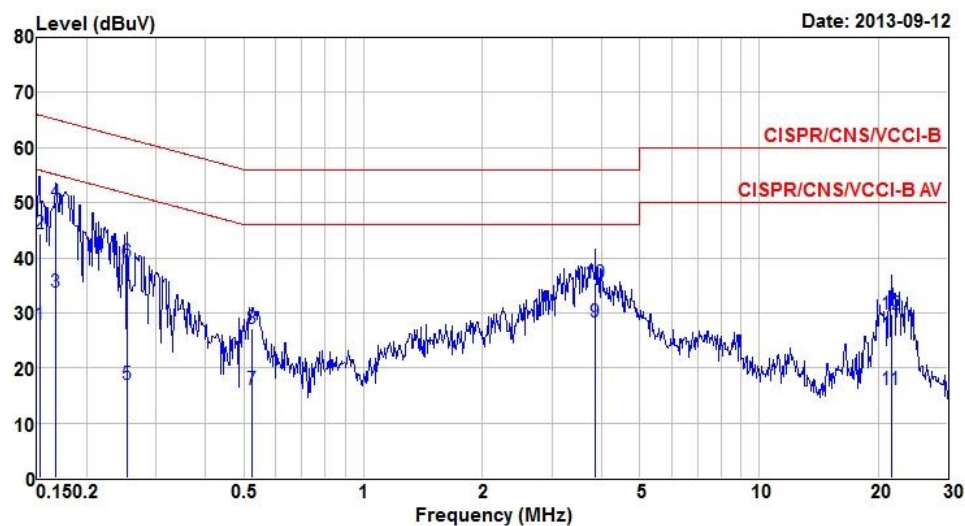
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	4



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.169	26.49	55.03	-28.54	26.35	0.03	0.11	Average
2	0.169	49.21	65.03	-15.82	49.07	0.03	0.11	QP
3	0.193	18.58	53.89	-35.31	18.38	0.03	0.17	Average
4	0.193	43.88	63.89	-20.01	43.68	0.03	0.17	QP
5	0.207	31.73	53.32	-21.59	31.53	0.03	0.17	Average
6	0.207	42.76	63.32	-20.56	42.56	0.03	0.17	QP
7	0.527	17.54	46.00	-28.46	17.46	0.03	0.05	Average
8	0.527	28.11	56.00	-27.89	28.03	0.03	0.05	QP
9	3.565	24.54	46.00	-21.46	24.25	0.06	0.23	Average
10	3.565	34.97	56.00	-21.03	34.68	0.06	0.23	QP
11	22.063	13.04	50.00	-36.96	12.58	0.14	0.32	Average
12	22.063	27.05	60.00	-32.95	26.59	0.14	0.32	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

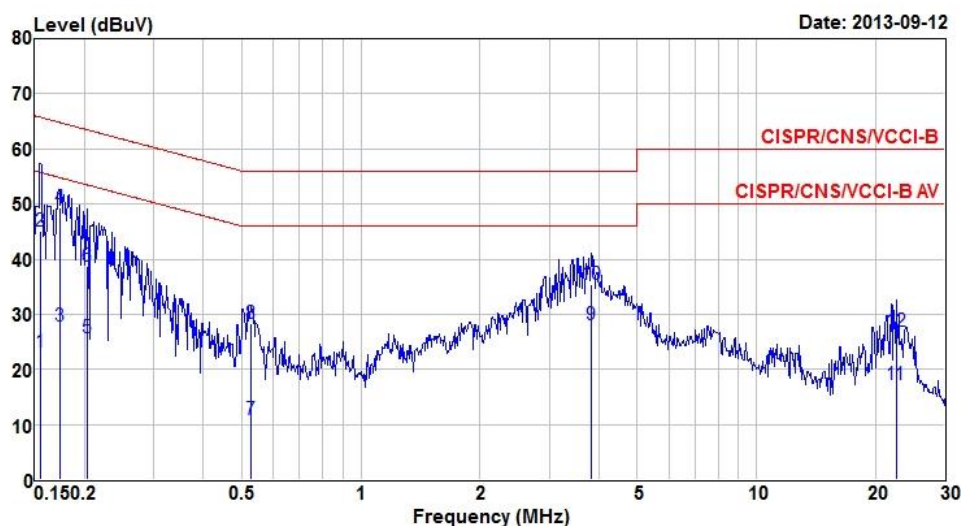
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	4



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line dBuV	Limit dB	Level dBuV	factor dB	loss dB	Remark
1	0.152	27.82	55.87	-28.05	27.73	0.02	0.07	Average
2	0.152	44.35	65.87	-21.52	44.26	0.02	0.07	QP
3	0.168	33.66	55.08	-21.42	33.53	0.02	0.11	Average
4	0.168	50.14	65.08	-14.94	50.01	0.02	0.11	QP
5	0.253	16.91	51.64	-34.73	16.75	0.02	0.14	Average
6	0.253	39.24	61.64	-22.40	39.08	0.02	0.14	QP
7	0.524	16.04	46.00	-29.96	15.97	0.02	0.05	Average
8	0.524	27.12	56.00	-28.88	27.05	0.02	0.05	QP
9	3.860	28.27	46.00	-17.73	27.98	0.05	0.24	Average
10	3.860	35.39	56.00	-20.61	35.10	0.05	0.24	QP
11	21.600	15.99	50.00	-34.01	15.55	0.14	0.30	Average
12	21.600	29.75	60.00	-30.25	29.31	0.14	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

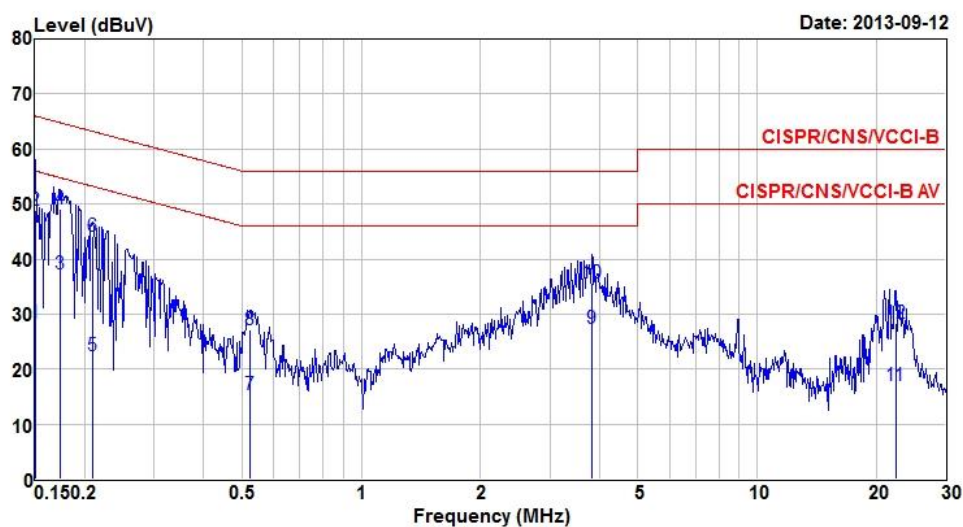
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	5



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.155	23.04	55.74	-32.70	22.94	0.03	0.07	Average
2	0.155	45.12	65.74	-20.62	45.02	0.03	0.07	QP
3	0.173	27.97	54.81	-26.84	27.82	0.03	0.12	Average
4	0.173	49.36	64.81	-15.45	49.21	0.03	0.12	QP
5	0.203	25.64	53.49	-27.85	25.43	0.03	0.18	Average
6	0.203	38.61	63.49	-24.88	38.40	0.03	0.18	QP
7	0.529	10.96	46.00	-35.04	10.88	0.03	0.05	Average
8	0.529	28.45	56.00	-27.55	28.37	0.03	0.05	QP
9	3.820	28.17	46.00	-17.83	27.88	0.06	0.23	Average
10	3.820	35.46	56.00	-20.54	35.17	0.06	0.23	QP
11	22.535	17.13	50.00	-32.87	16.63	0.14	0.36	Average
12	22.535	27.01	60.00	-32.99	26.51	0.14	0.36	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

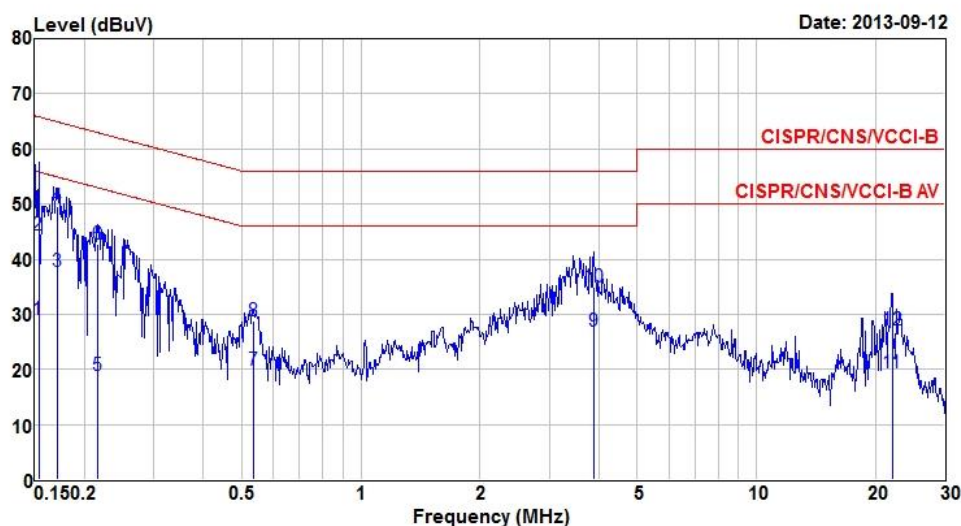
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	5



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.150	28.31	56.00	-27.69	28.23	0.02	0.06	Average
2	0.150	48.74	66.00	-17.26	48.66	0.02	0.06	QP
3	0.173	37.21	54.81	-17.60	37.07	0.02	0.12	Average
4	0.173	49.19	64.81	-15.62	49.05	0.02	0.12	QP
5	0.209	22.49	53.23	-30.74	22.30	0.02	0.17	Average
6	0.209	44.20	63.23	-19.03	44.01	0.02	0.17	QP
7	0.524	15.45	46.00	-30.55	15.38	0.02	0.05	Average
8	0.524	27.26	56.00	-28.74	27.19	0.02	0.05	QP
9	3.820	27.38	46.00	-18.62	27.10	0.05	0.23	Average
10	3.820	35.70	56.00	-20.30	35.42	0.05	0.23	QP
11	22.416	16.89	50.00	-33.11	16.41	0.14	0.34	Average
12	22.416	28.41	60.00	-31.59	27.93	0.14	0.34	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

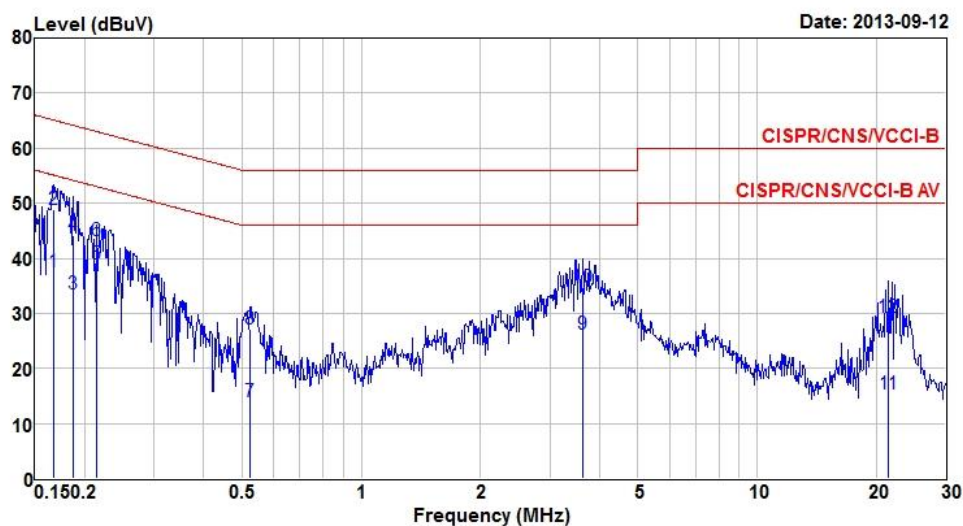
Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Line	Configuration	6



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.153	28.92	55.82	-26.90	28.82	0.03	0.07	Average
2	0.153	44.26	65.82	-21.56	44.16	0.03	0.07	QP
3	0.170	37.78	54.94	-17.16	37.64	0.03	0.11	Average
4	0.170	49.47	64.94	-15.47	49.33	0.03	0.11	QP
5	0.216	18.82	52.96	-34.14	18.63	0.03	0.16	Average
6	0.216	42.67	62.96	-20.29	42.48	0.03	0.16	QP
7	0.535	19.82	46.00	-26.18	19.74	0.03	0.05	Average
8	0.535	28.73	56.00	-27.27	28.65	0.03	0.05	QP
9	3.881	26.84	46.00	-19.16	26.54	0.06	0.24	Average
10	3.881	34.92	56.00	-21.08	34.62	0.06	0.24	QP
11	22.063	19.43	50.00	-30.57	18.97	0.14	0.32	Average
12	22.063	27.11	60.00	-32.89	26.65	0.14	0.32	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	VHT40	Test Freq. (MHz)	5550
Power Phase	Neutral	Configuration	6



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.167	37.50	55.12	-17.62	37.38	0.02	0.10	Average
2	0.167	48.95	65.12	-16.17	48.83	0.02	0.10	QP
3	0.187	33.43	54.15	-20.72	33.26	0.02	0.15	Average
4	0.187	44.22	64.15	-19.93	44.05	0.02	0.15	QP
5	0.214	39.00	53.05	-14.05	38.81	0.02	0.17	Average
6	0.214	43.11	63.05	-19.94	42.92	0.02	0.17	QP
7	0.524	13.90	46.00	-32.10	13.83	0.02	0.05	Average
8	0.524	27.26	56.00	-28.74	27.19	0.02	0.05	QP
9	3.623	26.11	46.00	-19.89	25.83	0.05	0.23	Average
10	3.623	34.78	56.00	-21.22	34.50	0.05	0.23	QP
11	21.486	15.47	50.00	-34.53	15.04	0.14	0.29	Average
12	21.486	29.22	60.00	-30.78	28.79	0.14	0.29	QP

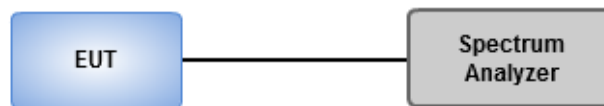
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Emission Bandwidth

3.2.1 Test Procedures

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

3.2.2 Test Setup

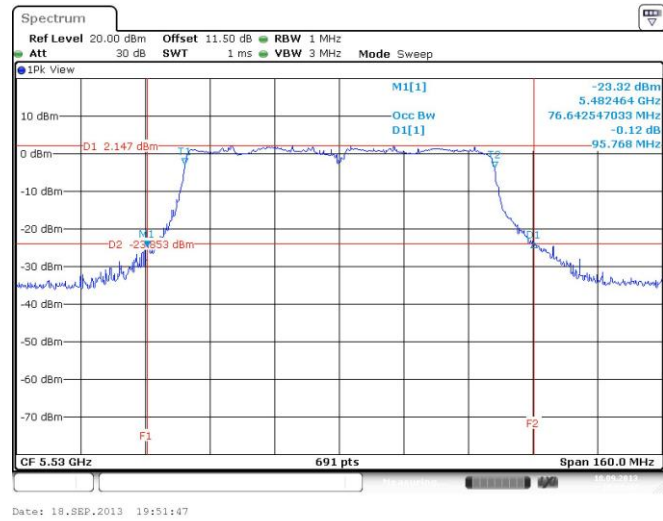


3.2.3 Test Result of Emission Bandwidth

Configuration 1: Ant 1, Dipole antenna with 3dBi gain

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	23.36	22.67	23.42	17.02	16.96	16.90	24.00	23.28
11a	3	5300	23.42	23.01	23.01	17.08	17.02	16.90	24.00	23.28
11a	3	5320	23.07	22.78	23.19	17.02	16.96	16.96	24.00	23.29
11a	3	5500	23.65	22.78	22.67	17.13	16.90	16.90	24.00	23.28
11a	3	5580	23.25	22.84	23.19	17.13	16.96	16.90	24.00	23.28
11a	3	5700	23.48	23.83	23.48	17.08	17.02	16.90	24.00	23.28
VHT20	3	5260	23.88	25.28	25.33	18.06	18.18	18.06	24.00	23.57
VHT20	3	5300	24.00	28.35	26.55	18.23	18.29	18.18	24.00	23.60
VHT20	3	5320	23.83	24.58	26.84	18.06	18.06	18.12	24.00	23.57
VHT20	3	5500	24.29	24.87	25.80	18.23	18.18	18.12	24.00	23.58
VHT20	3	5580	24.41	26.14	25.51	18.18	18.12	18.06	24.00	23.57
VHT20	3	5700	24.06	24.06	24.06	18.06	18.18	18.06	24.00	23.57
VHT40	3	5270	55.19	58.20	51.59	37.51	37.51	37.51	24.00	24.00
VHT40	3	5310	47.42	52.64	45.91	37.40	37.51	37.40	24.00	24.00
VHT40	3	5510	48.35	47.07	46.26	37.63	37.40	37.40	24.00	24.00
VHT40	3	5550	59.59	62.38	64.00	37.97	37.86	37.97	24.00	24.00
VHT40	3	5670	63.30	63.77	50.09	37.74	37.97	37.63	24.00	24.00
VHT80	3	5290	93.91	91.59	88.58	76.18	76.41	76.18	24.00	24.00
VHT80	3	5530	95.77	94.15	89.74	76.64	76.41	76.18	24.00	24.00

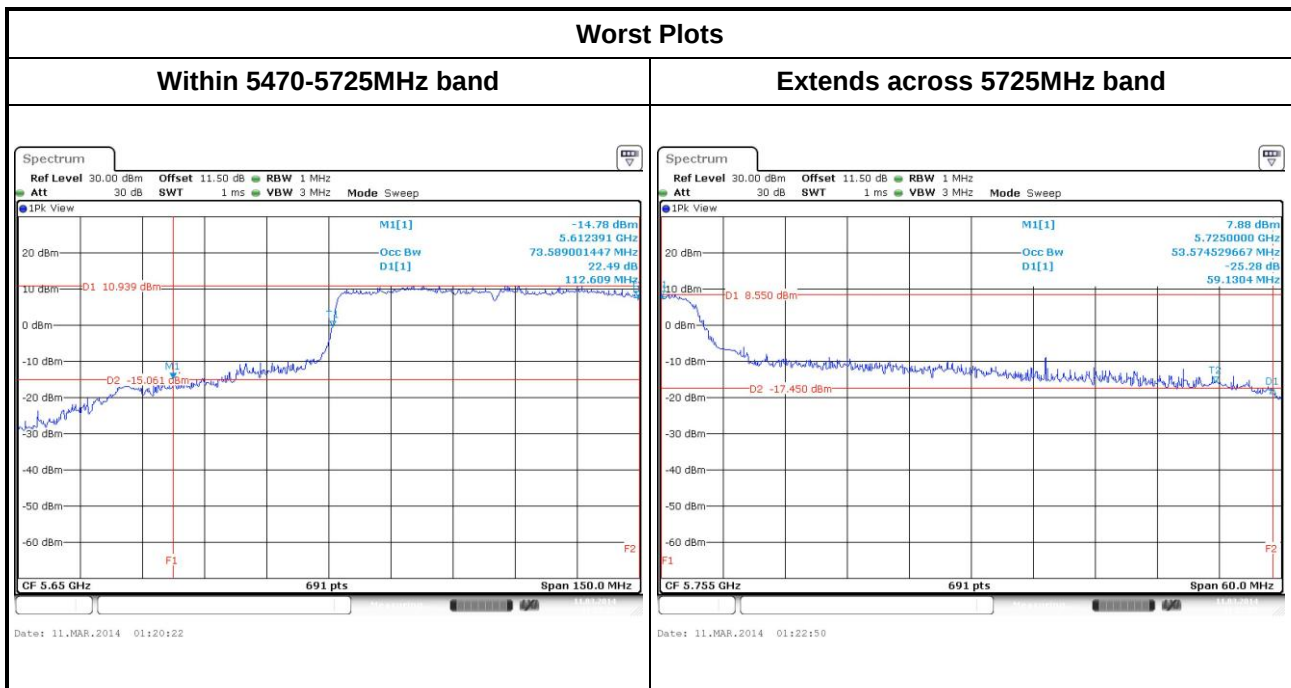
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	16.82	19.34	17.55	13.60	13.53	13.49	23.26	22.30
VHT20	3	5720	17.25	20.14	18.66	14.04	14.18	14.04	23.37	22.47
VHT40	3	5710	56.20	57.22	51.44	33.60	33.73	33.73	24.00	24.00
VHT80	3	5690	100.00	112.61	98.26	72.45	72.70	72.70	24.00	24.00

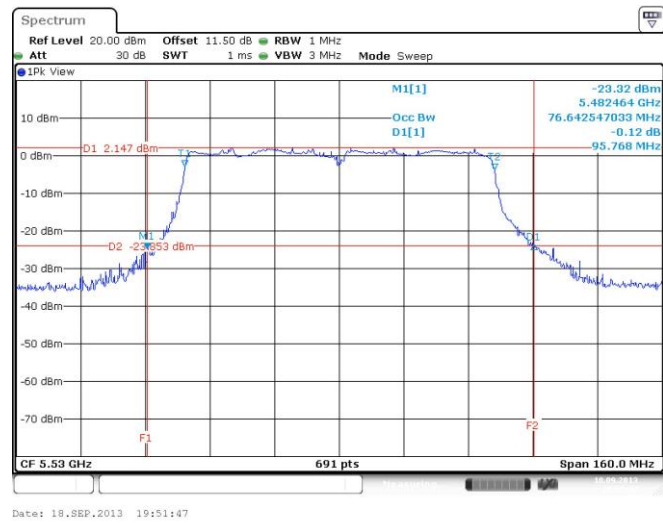
UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	8.57	8.70	8.67	5.07	5.25	4.92	20.33	17.92
VHT20	3	5720	9.15	10.17	10.30	5.22	5.50	5.28	20.61	18.18
VHT40	3	5710	28.70	31.83	28.17	7.93	8.35	7.50	24.00	19.75
VHT80	3	5690	56.35	59.13	53.04	8.38	8.78	8.31	24.00	20.20



Configuration 2: Ant 2, PIFA antenna with 6dBi gain, X-plane

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	23.13	22.61	22.96	17.08	16.85	16.85	24.00	23.27
11a	3	5300	22.72	22.55	22.90	17.02	16.96	16.85	24.00	23.27
11a	3	5320	22.84	22.55	22.96	17.08	16.90	16.85	24.00	23.27
11a	3	5500	23.65	22.61	23.59	17.08	16.85	16.90	24.00	23.27
11a	3	5580	23.65	22.49	22.72	17.08	16.85	16.90	24.00	23.27
11a	3	5700	23.48	22.67	22.84	17.13	16.90	16.85	24.00	23.27
VHT20	3	5260	24.06	23.54	24.99	18.23	18.00	18.00	24.00	23.55
VHT20	3	5300	24.00	23.48	23.83	18.12	18.18	18.06	24.00	23.57
VHT20	3	5320	23.71	23.71	24.99	18.00	17.95	18.00	24.00	23.54
VHT20	3	5500	24.12	23.59	23.71	18.12	18.12	18.06	24.00	23.57
VHT20	3	5580	23.94	24.06	23.88	18.06	18.12	18.06	24.00	23.57
VHT20	3	5700	24.12	23.77	24.23	18.18	18.18	17.95	24.00	23.54
VHT40	3	5270	47.42	46.84	46.03	37.40	37.16	37.28	24.00	24.00
VHT40	3	5310	47.42	52.64	45.91	37.40	37.51	37.40	24.00	24.00
VHT40	3	5510	47.19	51.83	48.12	37.51	37.63	37.40	24.00	24.00
VHT40	3	5550	47.54	49.39	47.54	37.51	37.40	37.40	24.00	24.00
VHT40	3	5670	47.54	46.96	46.84	37.63	37.63	37.51	24.00	24.00
VHT80	3	5290	93.91	91.59	88.58	76.18	76.41	76.18	24.00	24.00
VHT80	3	5530	95.77	94.15	89.74	76.64	76.41	76.18	24.00	24.00

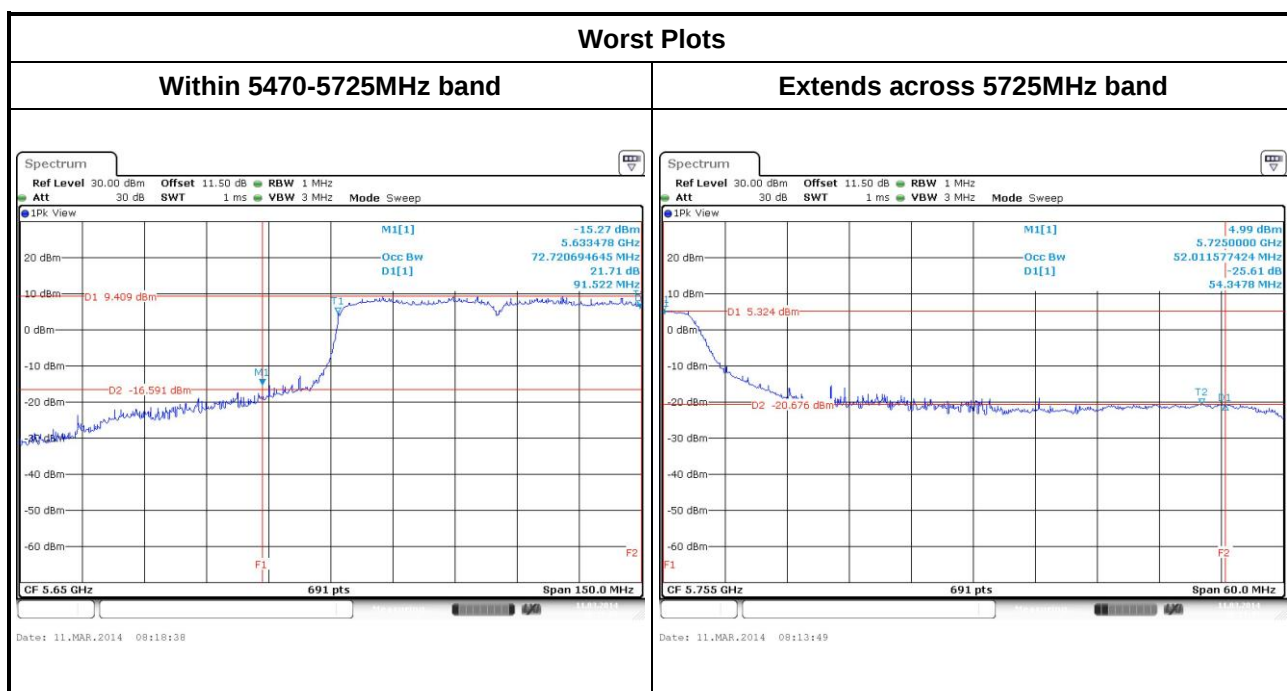
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	16.38	16.32	16.14	13.53	13.46	13.46	23.08	22.29
VHT20	3	5720	16.94	17.06	17.86	14.07	14.04	14.11	23.29	22.47
VHT40	3	5710	43.22	45.25	43.32	33.54	33.54	33.60	24.00	24.00
VHT80	3	5690	80.00	91.52	80.44	72.58	72.58	72.82	24.00	24.00

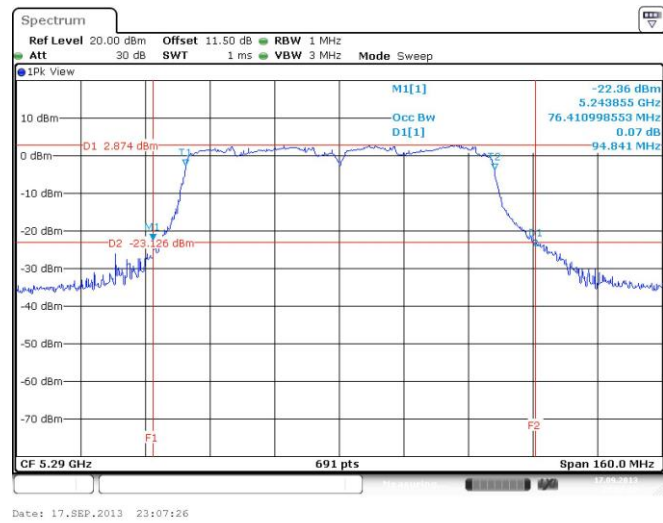
UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	6.89	6.48	6.41	4.86	4.70	4.70	19.07	17.72
VHT20	3	5720	7.26	7.04	7.89	5.14	5.07	5.08	19.48	18.05
VHT40	3	5710	17.74	25.80	17.04	7.09	7.44	6.67	23.31	19.24
VHT80	3	5690	54.35	46.43	50.00	8.05	8.49	7.11	24.00	19.52



Configuration 3: Ant 3, Panel antenna with 5.5dBi gain, X-plane

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	23.13	22.61	22.96	17.08	16.85	16.85	24.00	23.27
11a	3	5300	22.72	22.55	22.90	17.02	16.96	16.85	24.00	23.27
11a	3	5320	22.84	22.55	22.96	17.08	16.90	16.85	24.00	23.27
11a	3	5500	23.65	22.61	23.59	17.08	16.85	16.90	24.00	23.27
11a	3	5580	23.65	22.49	22.72	17.08	16.85	16.90	24.00	23.27
11a	3	5700	23.48	22.67	22.84	17.13	16.90	16.85	24.00	23.27
VHT20	3	5260	24.06	23.54	24.99	18.23	18.00	18.00	24.00	23.55
VHT20	3	5300	24.00	23.48	23.83	18.12	18.18	18.06	24.00	23.57
VHT20	3	5320	23.71	23.71	24.99	18.00	17.95	18.00	24.00	23.54
VHT20	3	5500	24.12	23.59	23.71	18.12	18.12	18.06	24.00	23.57
VHT20	3	5580	23.94	24.06	23.88	18.06	18.12	18.06	24.00	23.57
VHT20	3	5700	24.12	23.77	24.23	18.18	18.18	17.95	24.00	23.54
VHT40	3	5270	47.42	46.84	46.03	37.40	37.16	37.28	24.00	24.00
VHT40	3	5310	50.44	47.54	46.96	37.40	37.40	37.28	24.00	24.00
VHT40	3	5510	49.04	47.07	46.15	37.63	37.40	37.28	24.00	24.00
VHT40	3	5550	47.54	49.39	47.54	37.51	37.40	37.40	24.00	24.00
VHT40	3	5670	49.62	54.61	48.12	37.86	37.40	37.63	24.00	24.00
VHT80	3	5290	94.84	92.06	88.35	76.41	76.41	76.18	24.00	24.00
VHT80	3	5530	92.52	93.22	88.81	76.41	76.41	76.18	24.00	24.00

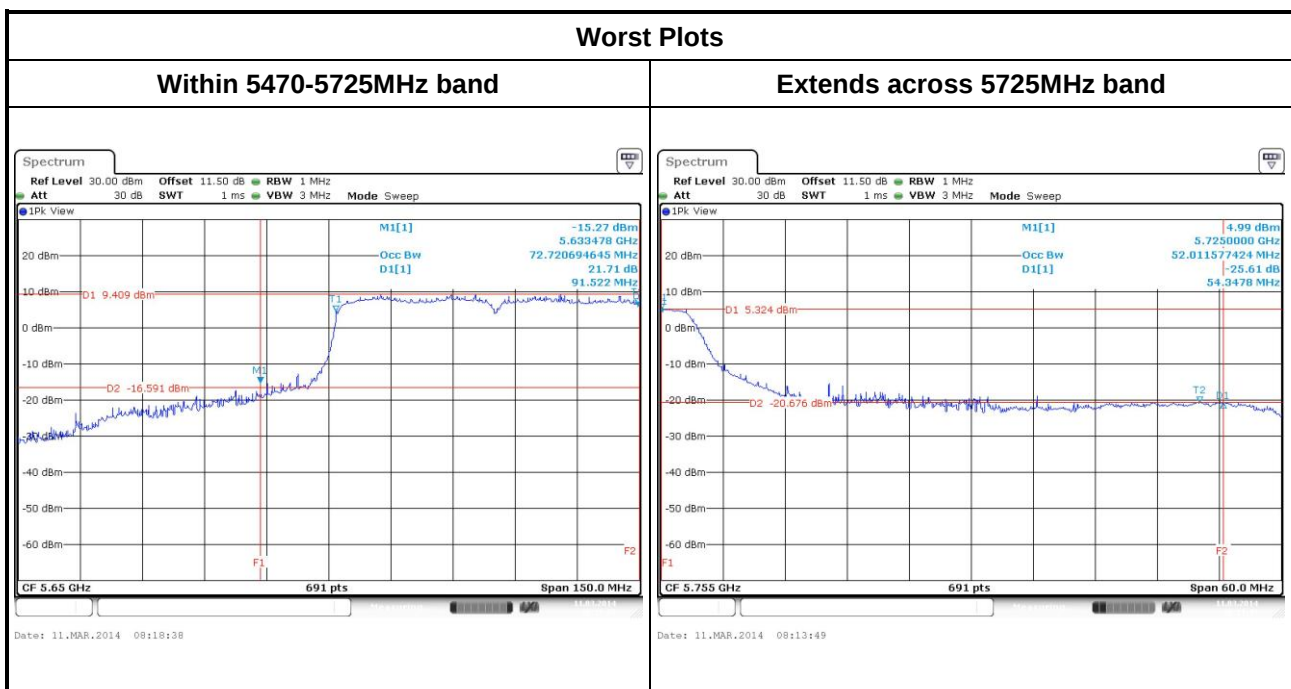
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	16.38	16.32	16.14	13.53	13.46	13.46	23.08	22.29
VHT20	3	5720	16.94	17.06	17.86	14.07	14.04	14.11	23.29	22.47
VHT40	3	5710	43.22	45.25	43.32	33.54	33.54	33.60	24.00	24.00
VHT80	3	5690	80.00	91.52	80.44	72.58	72.58	72.82	24.00	24.00

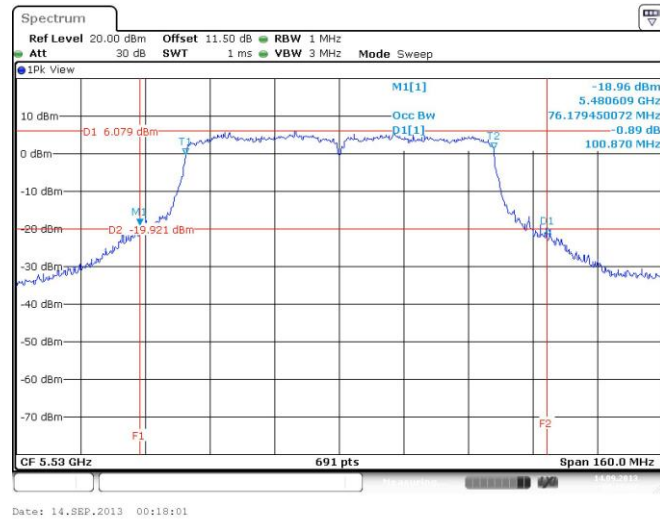
UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	6.89	6.48	6.41	4.86	4.70	4.70	19.07	17.72
VHT20	3	5720	7.26	7.04	7.89	5.14	5.07	5.08	19.48	18.05
VHT40	3	5710	17.74	25.80	17.04	7.09	7.44	6.67	23.31	19.24
VHT80	3	5690	54.35	46.43	50.00	8.05	8.49	7.11	24.00	19.52



Configuration 4: Ant 4, Panel antenna with 6dBi gain, X-plane

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	23.13	22.61	22.96	17.08	16.85	16.85	24.00	23.27
11a	3	5300	22.72	22.55	22.90	17.02	16.96	16.85	24.00	23.27
11a	3	5320	22.84	22.55	22.96	17.08	16.90	16.85	24.00	23.27
11a	3	5500	23.65	22.61	23.59	17.08	16.85	16.90	24.00	23.27
11a	3	5580	23.65	22.49	22.72	17.08	16.85	16.90	24.00	23.27
11a	3	5700	23.48	22.67	22.84	17.13	16.90	16.85	24.00	23.27
VHT20	3	5260	24.06	23.54	24.99	18.23	18.00	18.00	24.00	23.55
VHT20	3	5300	24.00	23.48	23.83	18.12	18.18	18.06	24.00	23.57
VHT20	3	5320	23.71	23.71	24.99	18.00	17.95	18.00	24.00	23.54
VHT20	3	5500	24.12	23.59	23.71	18.12	18.12	18.06	24.00	23.57
VHT20	3	5580	23.94	24.06	23.88	18.06	18.12	18.06	24.00	23.57
VHT20	3	5700	24.12	23.77	24.23	18.18	18.18	17.95	24.00	23.54
VHT40	3	5270	47.42	46.84	46.03	37.40	37.16	37.28	24.00	24.00
VHT40	3	5310	48.58	48.23	46.96	37.63	37.51	37.28	24.00	24.00
VHT40	3	5510	47.19	51.83	48.12	37.51	37.63	37.40	24.00	24.00
VHT40	3	5550	47.54	49.39	47.54	37.51	37.40	37.40	24.00	24.00
VHT40	3	5670	49.62	54.61	48.12	37.86	37.40	37.63	24.00	24.00
VHT80	3	5290	97.86	91.83	99.71	76.18	76.18	76.41	24.00	24.00
VHT80	3	5530	100.87	92.52	99.25	76.18	76.41	76.41	24.00	24.00

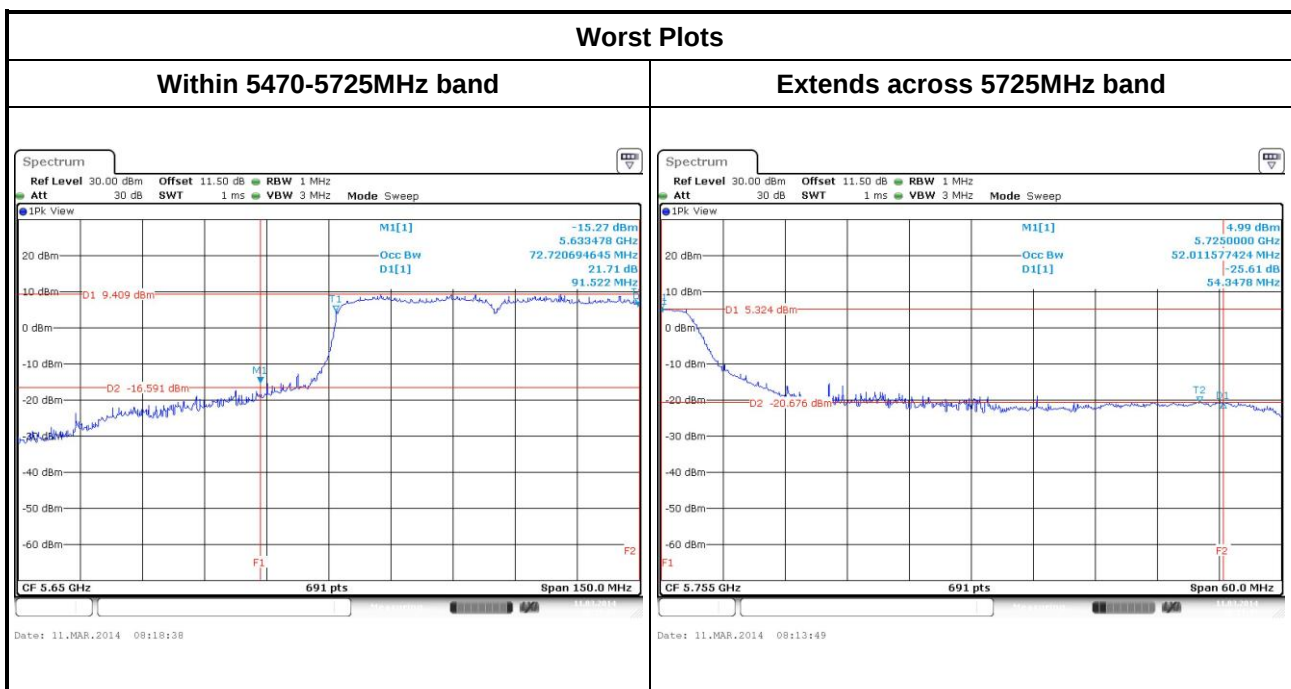
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	16.38	16.32	16.14	13.53	13.46	13.46	23.08	22.29
VHT20	3	5720	16.94	17.06	17.86	14.07	14.04	14.11	23.29	22.47
VHT40	3	5710	43.22	45.25	43.32	33.54	33.54	33.60	24.00	24.00
VHT80	3	5690	80.00	91.52	80.44	72.58	72.58	72.82	24.00	24.00

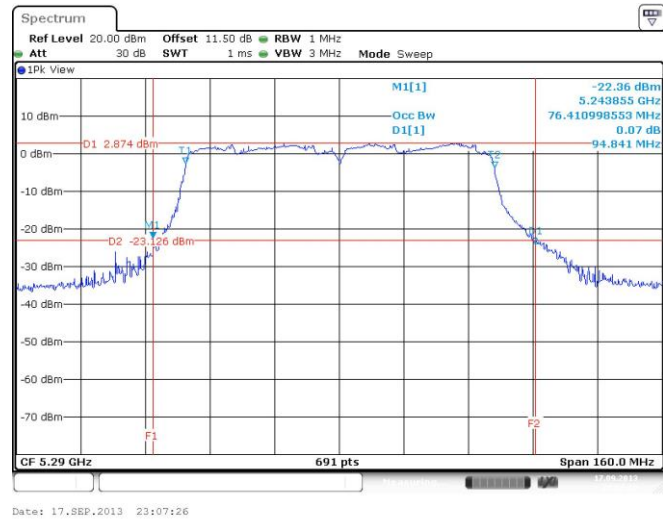
UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	6.89	6.48	6.41	4.86	4.70	4.70	19.07	17.72
VHT20	3	5720	7.26	7.04	7.89	5.14	5.07	5.08	19.48	18.05
VHT40	3	5710	17.74	25.80	17.04	7.09	7.44	6.67	23.31	19.24
VHT80	3	5690	54.35	46.43	50.00	8.05	8.49	7.11	24.00	19.52



Configuration 5: Ant 5, Omni antenna with 2dBi gain, X-plane

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	24.12	25.45	25.91	18.12	18.18	18.12	24.00	23.58
11a	3	5300	23.83	24.58	26.38	18.06	18.06	18.12	24.00	23.57
11a	3	5320	24.52	23.65	25.22	18.29	18.00	18.06	24.00	23.55
11a	3	5500	24.00	23.30	26.67	18.23	18.06	18.18	24.00	23.57
11a	3	5580	24.29	24.06	26.49	18.12	18.06	18.18	24.00	23.57
11a	3	5700	24.64	30.90	26.61	18.23	18.18	18.12	24.00	23.58
VHT20	3	5260	23.59	23.36	24.52	17.19	17.02	16.90	24.00	23.28
VHT20	3	5300	24.58	24.64	23.42	17.13	16.96	16.96	24.00	23.29
VHT20	3	5320	23.59	22.72	24.29	17.08	16.90	16.96	24.00	23.28
VHT20	3	5500	23.13	23.01	23.01	17.13	16.90	16.96	24.00	23.28
VHT20	3	5580	24.99	25.74	25.68	17.13	17.13	17.02	24.00	23.31
VHT20	3	5700	24.06	24.06	24.06	18.06	18.18	18.06	24.00	23.57
VHT40	3	5270	73.86	76.17	75.01	37.86	38.32	38.32	24.00	24.00
VHT40	3	5310	48.58	48.23	46.96	37.63	37.51	37.28	24.00	24.00
VHT40	3	5510	48.12	46.73	46.61	37.74	37.28	37.40	24.00	24.00
VHT40	3	5550	59.59	62.38	64.00	37.97	37.86	37.97	24.00	24.00
VHT40	3	5670	66.20	70.96	61.33	38.21	37.97	37.51	24.00	24.00
VHT80	3	5290	94.84	92.06	88.35	76.41	76.41	76.18	24.00	24.00
VHT80	3	5530	92.52	93.22	88.81	76.41	76.41	76.18	24.00	24.00

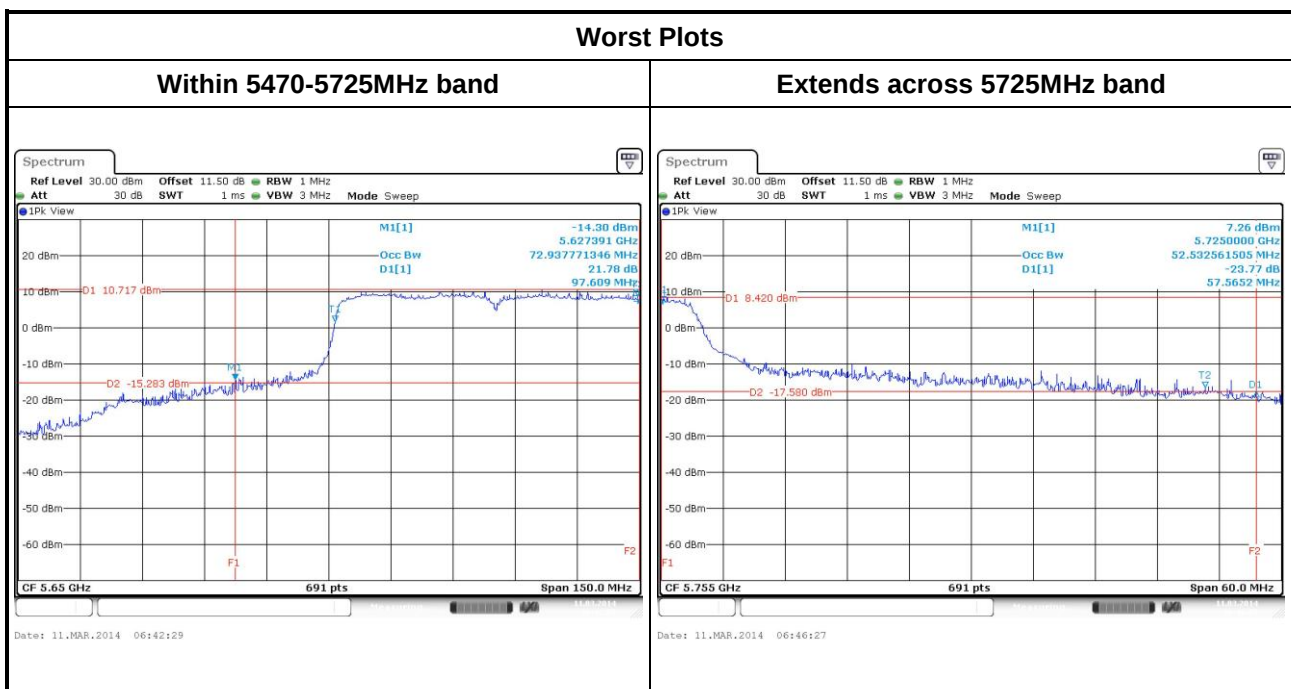
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	19.71	21.00	19.71	13.68	13.93	13.64	23.95	22.35
VHT20	3	5720	25.38	26.36	25.81	14.25	14.58	14.40	24.00	22.54
VHT40	3	5710	56.20	57.22	51.44	33.60	33.73	33.73	24.00	24.00
VHT80	3	5690	96.52	97.61	88.48	72.70	72.70	72.95	24.00	24.00

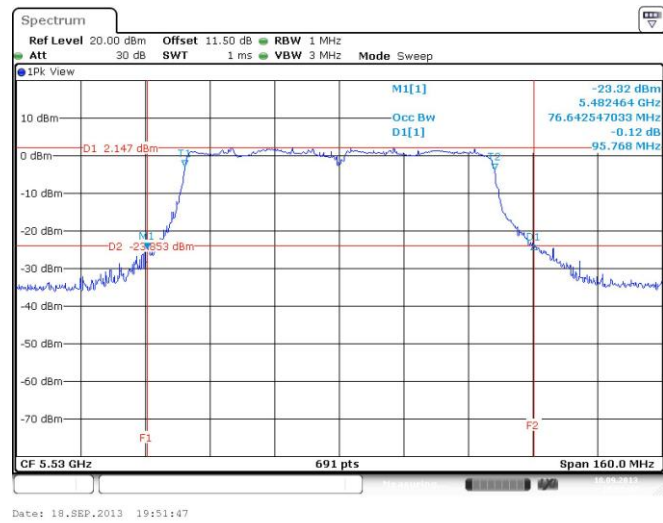
UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	9.63	12.50	10.11	5.54	6.67	5.93	20.84	18.44
VHT20	3	5720	12.89	14.87	13.25	6.24	7.06	6.73	22.10	18.95
VHT40	3	5710	28.70	31.83	28.17	7.93	8.35	7.50	24.00	19.75
VHT80	3	5690	56.61	57.57	37.83	8.25	8.63	7.74	24.00	19.89



Configuration 6: Ant 6, Sector antenna with 5dBi gain, X-plane

Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5260	23.36	22.43	23.07	17.13	16.90	16.90	24.00	23.28
11a	3	5300	22.96	22.61	22.84	17.08	16.90	16.85	24.00	23.27
11a	3	5320	22.96	22.38	22.84	17.02	16.90	16.85	24.00	23.27
11a	3	5500	23.19	22.26	22.43	17.08	16.90	16.85	24.00	23.27
11a	3	5580	23.59	22.90	22.67	17.08	16.90	16.85	24.00	23.27
11a	3	5700	23.25	22.96	22.61	17.02	16.90	16.85	24.00	23.27
VHT20	3	5260	23.77	23.94	24.64	18.12	18.18	18.06	24.00	23.57
VHT20	3	5300	23.42	23.83	24.35	17.95	18.06	18.00	24.00	23.54
VHT20	3	5320	23.48	24.00	24.75	17.95	18.00	18.00	24.00	23.54
VHT20	3	5500	24.06	24.46	25.33	18.18	18.12	18.06	24.00	23.57
VHT20	3	5580	24.12	24.17	25.16	18.18	18.18	18.06	24.00	23.57
VHT20	3	5700	24.12	24.29	24.23	18.23	18.23	17.95	24.00	23.54
VHT40	3	5270	52.75	54.26	54.38	37.51	37.63	37.51	24.00	24.00
VHT40	3	5310	47.30	46.84	46.61	37.51	37.40	37.28	24.00	24.00
VHT40	3	5510	49.97	46.96	47.19	37.63	37.40	37.28	24.00	24.00
VHT40	3	5550	55.42	61.45	59.25	37.74	37.74	37.63	24.00	24.00
VHT40	3	5670	52.17	52.87	48.23	37.74	37.40	37.51	24.00	24.00
VHT80	3	5290	93.91	91.59	88.58	76.18	76.41	76.18	24.00	24.00
VHT80	3	5530	95.77	94.15	89.74	76.64	76.41	76.18	24.00	24.00

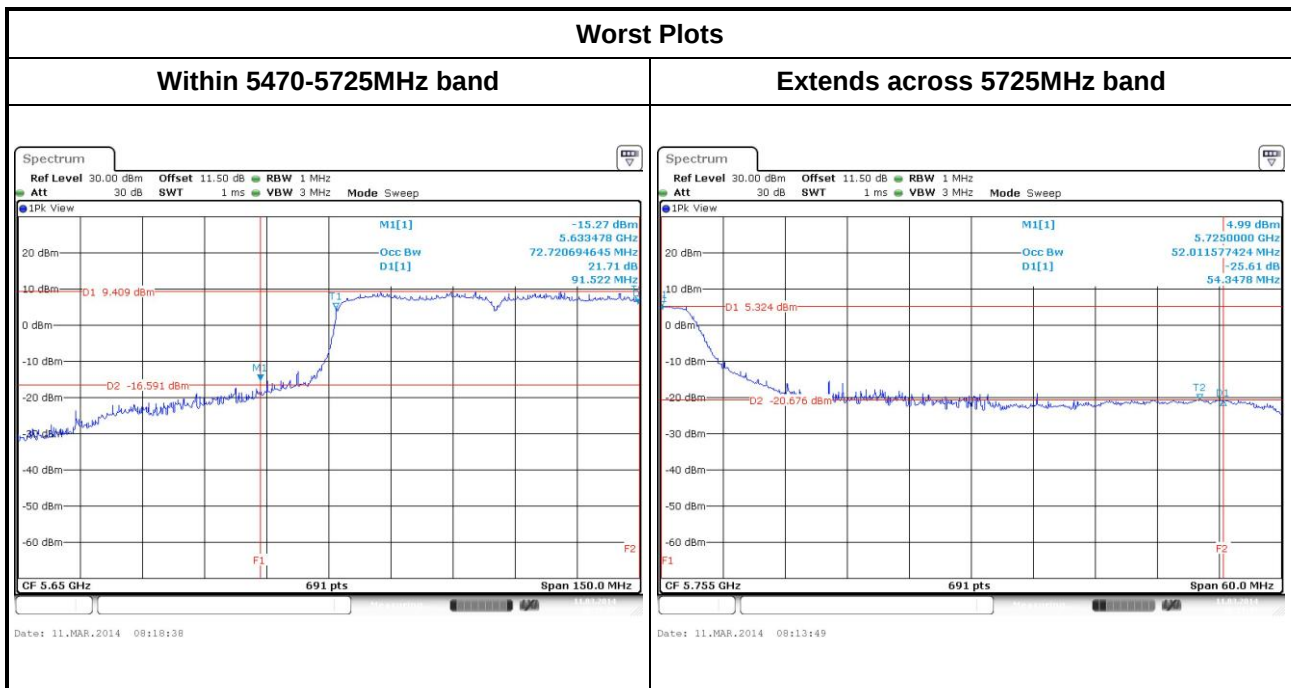
Worst Plots



Channel that extends across the 5.725 GHz boundary

UNII Emission Bandwidth Result (Within 5470-5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	16.51	16.57	16.82	13.53	13.46	13.46	23.18	22.29
VHT20	3	5720	16.75	17.00	17.06	14.04	14.11	14.07	23.24	22.47
VHT40	3	5710	44.13	53.87	44.44	33.73	33.80	33.80	24.00	24.00
VHT80	3	5690	80.00	91.52	80.44	72.58	72.58	72.82	24.00	24.00

UNII Emission Bandwidth Result (Extends across 5725MHz band)										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			Power Limit (dBm)	
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	26dB BW	99% BW
11a	3	5720	6.80	6.61	6.30	4.91	4.70	4.69	18.99	17.71
VHT20	3	5720	7.15	7.15	7.96	5.15	5.09	5.09	19.54	18.07
VHT40	3	5710	28.12	28.35	24.46	7.90	8.55	7.73	24.00	19.88
VHT80	3	5690	54.35	46.43	50.00	8.05	8.49	7.11	24.00	19.52



3.3 RF Output Power

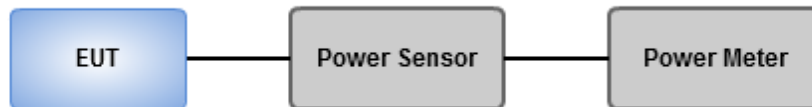
3.3.1 Limit of RF Output Power

Frequency Band (GHz)		Limit
☒	5.25~5.35	250mW or 11dBm+10 log B
☒	5.47~5.725	250mW or 11dBm+10 log B
Note: "B" is the 26dB emission bandwidth in MHz.		

3.3.2 Test Procedures

- ☒ **Power meter**
 - ☒ Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Configuration 1: Ant 1, Dipole antenna with 3dBi gain

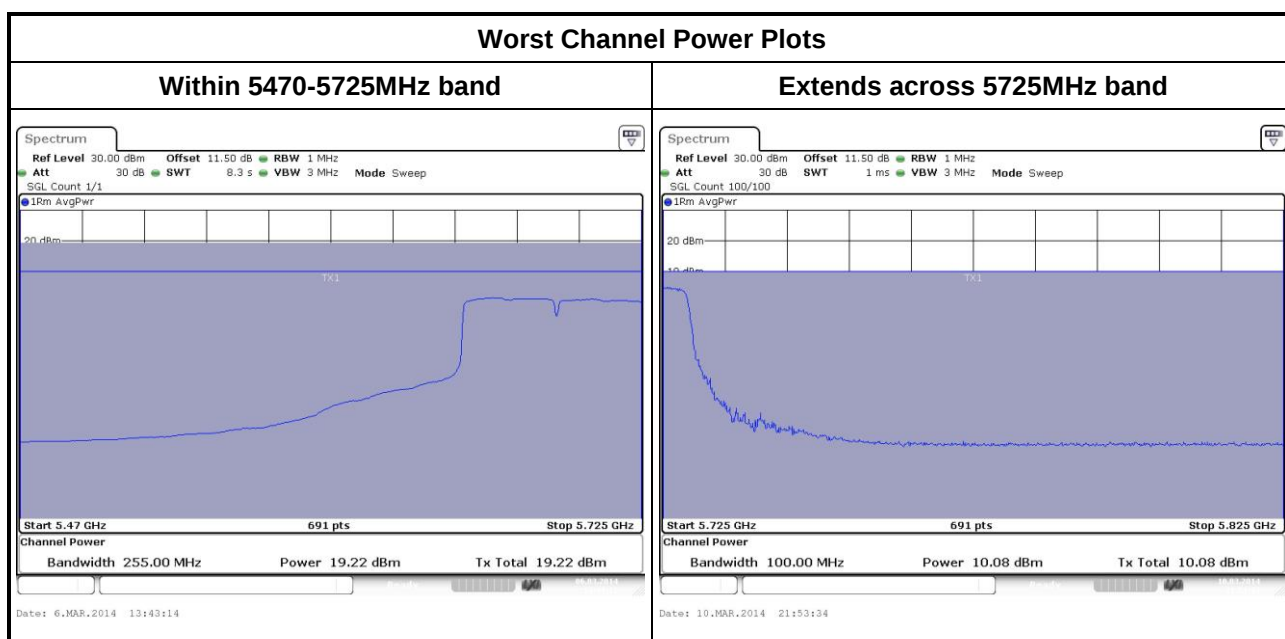
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	16.22	16.55	16.57	132.459	21.22	24.00
11a	3	5300	16.24	17.19	17.03	144.899	21.61	24.00
11a	3	5320	16.28	17.14	16.97	143.996	21.58	24.00
11a	3	5500	16.23	16.88	16.75	138.044	21.40	24.00
11a	3	5580	16.21	16.89	16.83	138.843	21.43	24.00
11a	3	5700	16.43	16.74	16.75	138.476	21.41	24.00
HT20	3	5260	17.15	17.53	17.46	164.223	22.15	24.00
HT20	3	5300	17.08	18.13	17.76	175.767	22.45	24.00
HT20	3	5320	17.11	17.89	17.76	172.626	22.37	24.00
HT20	3	5500	17.04	17.58	17.53	164.486	22.16	24.00
HT20	3	5580	16.65	17.13	17.39	152.707	21.84	24.00
HT20	3	5700	15.32	15.76	15.48	107.030	20.30	24.00
HT40	3	5270	17.94	18.73	18.18	202.641	23.07	24.00
HT40	3	5310	13.35	14.36	13.92	73.577	18.67	24.00
HT40	3	5510	13.63	14.38	14.07	76.010	18.81	24.00
HT40	3	5550	18.27	19.24	19.13	232.935	23.67	24.00
HT40	3	5670	18.05	18.96	18.13	207.544	23.17	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	17.36	17.65	17.61	170.337	22.31	24.00
VHT20	3	5300	17.14	18.26	17.83	179.423	22.54	24.00
VHT20	3	5320	17.12	18.01	17.82	175.298	22.44	24.00
VHT20	3	5500	17.13	17.35	17.55	162.852	22.12	24.00
VHT20	3	5580	16.83	17.62	17.68	164.618	22.16	24.00
VHT20	3	5700	15.44	15.81	15.54	108.911	20.37	24.00
VHT40	3	5270	18.38	18.86	18.52	216.900	23.36	24.00
VHT40	3	5310	13.38	14.43	13.98	74.514	18.72	24.00
VHT40	3	5510	13.66	14.46	14.13	77.035	18.87	24.00
VHT40	3	5550	18.34	19.21	19.21	234.970	23.71	24.00
VHT40	3	5670	18.13	18.99	18.21	210.485	23.23	24.00
VHT80	3	5290	10.38	10.24	10.42	32.498	15.12	24.00
VHT80	3	5530	10.29	10.47	10.64	33.421	15.24	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	14.91	15.45	15.87	104.686	20.20	23.26
HT20	3	5720	14.61	15.38	15.54	99.231	19.97	23.37
HT40	3	5710	17.37	18.47	18.30	192.692	22.84	24.00
VHT20	3	5720	14.77	15.40	15.65	101.394	20.06	23.37
VHT40	3	5710	18.20	19.24	18.37	218.799	23.40	24.00
VHT80	3	5690	18.58	19.66	18.89	241.798	23.83	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	8.63	9.72	9.74	26.089	14.16	20.33
HT20	3	5720	9.00	10.04	9.92	27.853	14.45	20.61
HT40	3	5710	6.27	8.16	7.47	16.385	12.14	24.00
VHT20	3	5720	9.31	9.78	10.08	28.223	14.51	20.61
VHT40	3	5710	7.03	8.72	7.66	18.335	12.63	24.00
VHT80	3	5690	3.50	5.37	4.17	8.287	9.18	24.00



Note: Above plots are without duty factor.

Configuration 2: Ant 2, PIFA antenna with 6dBi gain, X-plane

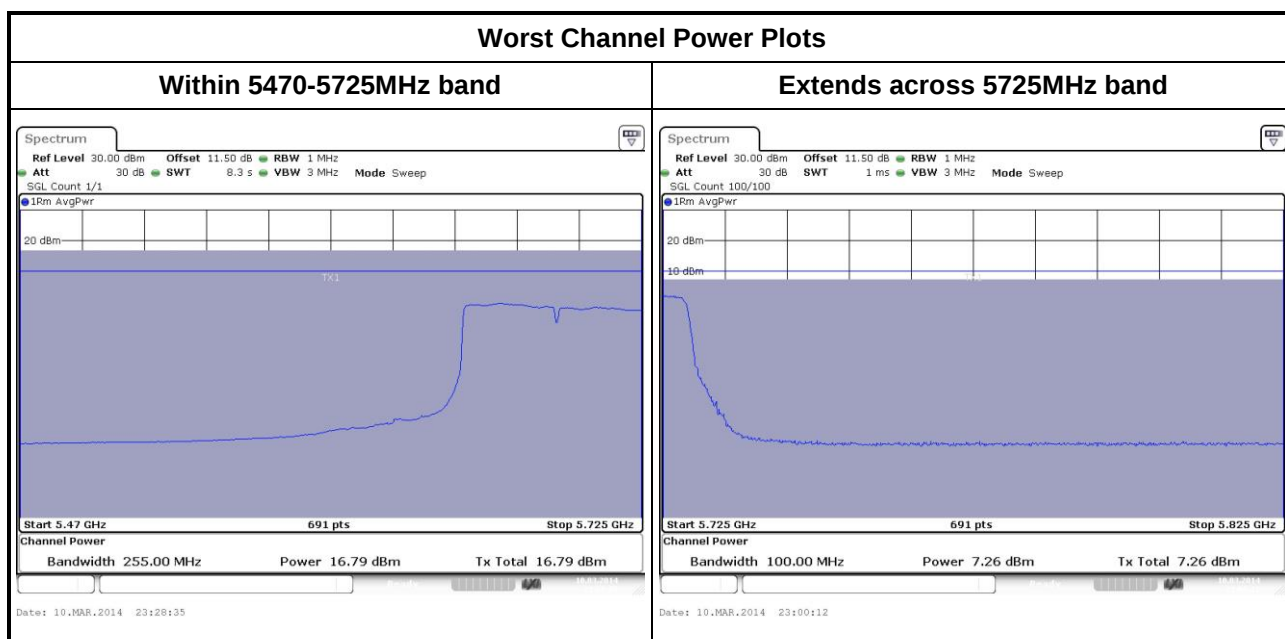
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	13.71	14.18	13.88	74.112	18.70	24.00
11a	3	5300	13.31	14.22	13.92	72.513	18.60	24.00
11a	3	5320	13.13	14.16	13.88	71.055	18.52	24.00
11a	3	5500	13.18	13.78	14.02	69.910	18.45	24.00
11a	3	5580	13.14	13.91	13.82	69.309	18.41	24.00
11a	3	5700	13.52	14.02	13.62	70.740	18.50	24.00
HT20	3	5260	13.52	13.54	13.74	68.744	18.37	24.00
HT20	3	5300	13.51	14.03	14.00	72.851	18.62	24.00
HT20	3	5320	13.61	14.00	13.95	72.912	18.63	24.00
HT20	3	5500	13.18	13.78	13.65	67.849	18.32	24.00
HT20	3	5580	13.31	14.03	13.96	71.610	18.55	24.00
HT20	3	5700	13.24	14.01	13.54	68.857	18.38	24.00
HT40	3	5270	17.29	17.38	17.61	165.958	22.20	24.00
HT40	3	5310	13.27	14.31	13.87	72.588	18.61	24.00
HT40	3	5510	14.21	14.90	14.72	86.915	19.39	24.00
HT40	3	5550	16.84	16.50	17.57	150.122	21.76	24.00
HT40	3	5670	17.03	17.55	17.29	160.931	22.07	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	13.79	13.97	13.88	73.313	18.65	24.00
VHT20	3	5300	13.65	14.13	14.00	74.175	18.70	24.00
VHT20	3	5320	13.69	14.06	13.95	73.688	18.67	24.00
VHT20	3	5500	13.29	13.99	13.79	70.325	18.47	24.00
VHT20	3	5580	13.36	14.15	14.02	72.913	18.63	24.00
VHT20	3	5700	13.33	14.11	13.81	71.335	18.53	24.00
VHT40	3	5270	17.37	17.41	17.69	168.405	22.26	24.00
VHT40	3	5310	13.31	14.34	13.93	73.311	18.65	24.00
VHT40	3	5510	14.29	14.96	14.82	88.525	19.47	24.00
VHT40	3	5550	16.95	17.52	17.65	164.249	22.16	24.00
VHT40	3	5670	17.11	17.63	17.38	164.049	22.15	24.00
VHT80	3	5290	10.38	10.24	10.42	32.498	15.12	24.00
VHT80	3	5530	10.29	10.47	10.64	33.421	15.24	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	11.83	12.58	12.50	51.137	17.09	23.08
HT20	3	5720	11.83	11.90	12.45	48.308	16.84	23.29
HT40	3	5710	15.70	16.73	16.41	128.137	21.07	24.00
VHT20	3	5720	11.82	12.62	12.49	51.228	17.10	23.29
VHT40	3	5710	15.61	16.79	16.47	128.550	21.09	24.00
VHT80	3	5690	16.03	17.15	17.23	144.674	21.60	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	5.85	6.21	6.66	12.659	11.02	19.07
HT20	3	5720	5.94	6.99	6.89	13.813	11.40	19.48
HT40	3	5710	4.44	5.74	5.47	10.064	10.03	23.31
VHT20	3	5720	5.97	7.26	7.13	14.439	11.60	19.48
VHT40	3	5710	4.66	5.65	5.46	10.116	10.05	23.31
VHT80	3	5690	1.54	2.58	2.35	4.950	6.95	24.00



Note: Above plots are without duty factor.

Configuration 3: Ant 3, Panel antenna with 5.5dBi gain, X-plane

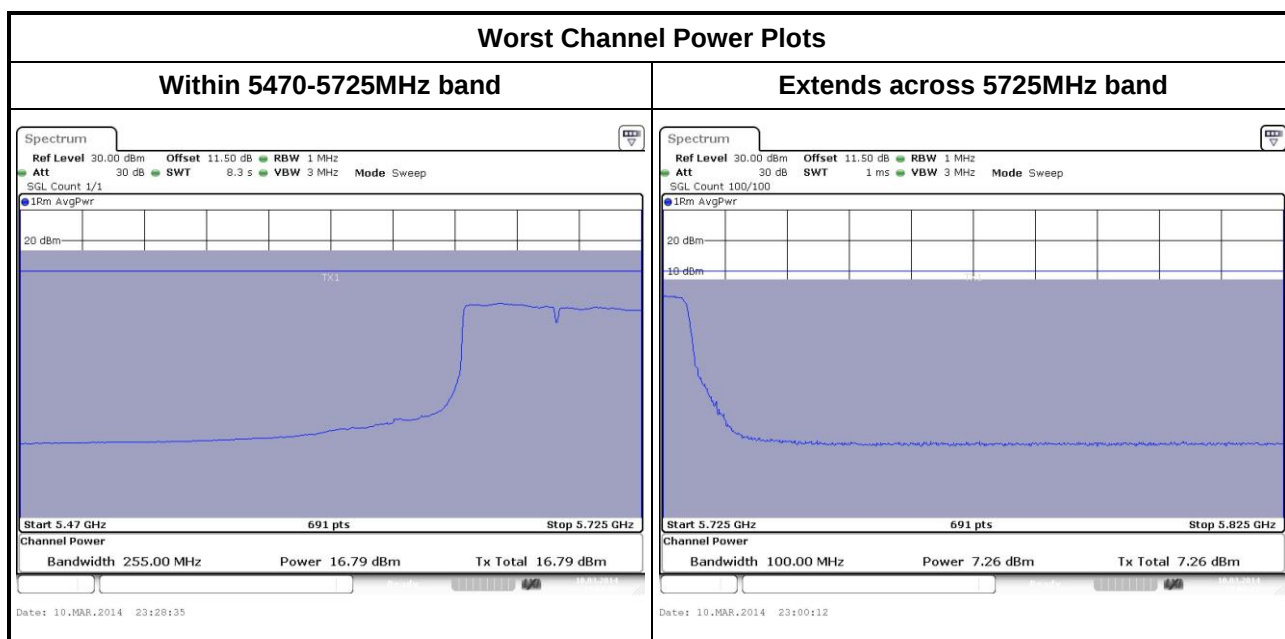
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	13.71	14.18	13.88	74.112	18.70	24.00
11a	3	5300	13.31	14.22	13.92	72.513	18.60	24.00
11a	3	5320	13.13	14.16	13.88	71.055	18.52	24.00
11a	3	5500	13.18	13.78	14.02	69.910	18.45	24.00
11a	3	5580	13.14	13.91	13.82	69.309	18.41	24.00
11a	3	5700	13.52	14.02	13.62	70.740	18.50	24.00
HT20	3	5260	13.52	13.54	13.74	68.744	18.37	24.00
HT20	3	5300	13.51	14.03	14.00	72.851	18.62	24.00
HT20	3	5320	13.61	14.00	13.95	72.912	18.63	24.00
HT20	3	5500	13.18	13.78	13.65	67.849	18.32	24.00
HT20	3	5580	13.31	14.03	13.96	71.610	18.55	24.00
HT20	3	5700	13.24	14.01	13.54	68.857	18.38	24.00
HT40	3	5270	17.29	17.38	17.61	165.958	22.20	24.00
HT40	3	5310	13.01	13.19	13.14	61.450	17.89	24.00
HT40	3	5510	14.32	14.55	14.82	85.889	19.34	24.00
HT40	3	5550	16.84	16.50	17.57	150.122	21.76	24.00
HT40	3	5670	16.39	16.48	16.47	132.375	21.22	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	13.79	13.97	13.88	73.313	18.65	24.00
VHT20	3	5300	13.65	14.13	14.00	74.175	18.70	24.00
VHT20	3	5320	13.69	14.06	13.95	73.688	18.67	24.00
VHT20	3	5500	13.29	13.99	13.79	70.325	18.47	24.00
VHT20	3	5580	13.36	14.15	14.02	72.913	18.63	24.00
VHT20	3	5700	13.33	14.11	13.81	71.335	18.53	24.00
VHT40	3	5270	17.37	17.41	17.69	168.405	22.26	24.00
VHT40	3	5310	13.11	13.29	13.18	62.592	17.97	24.00
VHT40	3	5510	14.40	14.60	14.96	87.715	19.43	24.00
VHT40	3	5550	16.95	17.52	17.65	164.249	22.16	24.00
VHT40	3	5670	16.42	16.55	16.53	134.017	21.27	24.00
VHT80	3	5290	11.68	11.72	11.88	44.999	16.53	24.00
VHT80	3	5530	12.77	12.99	13.22	59.820	17.77	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	11.83	12.58	12.50	51.137	17.09	23.08
HT20	3	5720	11.83	11.90	12.45	48.308	16.84	23.29
HT40	3	5710	15.70	16.73	16.41	128.137	21.07	24.00
VHT20	3	5720	11.82	12.62	12.49	51.228	17.10	23.29
VHT40	3	5710	15.61	16.79	16.47	128.550	21.09	24.00
VHT80	3	5690	16.03	17.15	17.23	144.674	21.60	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	5.85	6.21	6.66	12.659	11.02	19.07
HT20	3	5720	5.94	6.99	6.89	13.813	11.40	19.48
HT40	3	5710	4.44	5.74	5.47	10.064	10.02	23.31
VHT20	3	5720	5.97	7.26	7.13	14.439	11.60	19.48
VHT40	3	5710	4.66	5.65	5.46	10.116	10.05	23.31
VHT80	3	5690	1.54	2.58	2.35	4.950	6.95	24.00



Note: Above plots are without duty factor.

Configuration 4: Ant 4, Panel antenna with 6dBi gain, X-plane

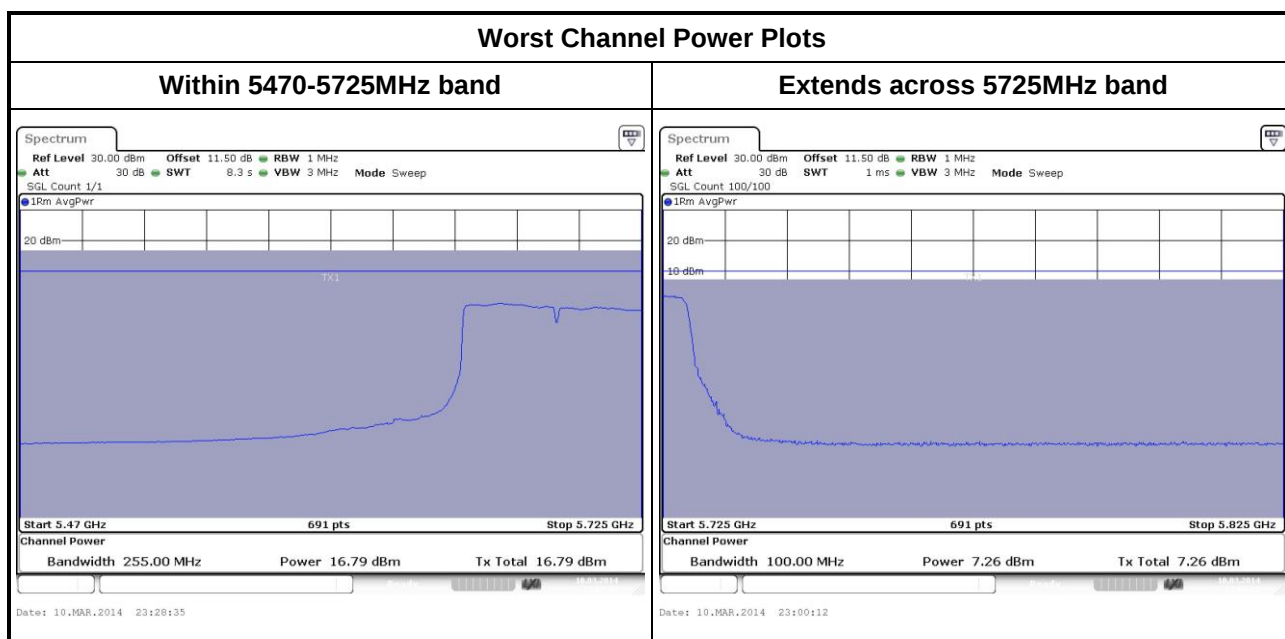
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	13.71	14.18	13.88	74.112	18.70	24.00
11a	3	5300	13.31	14.22	13.92	72.513	18.60	24.00
11a	3	5320	13.13	14.16	13.88	71.055	18.52	24.00
11a	3	5500	13.18	13.78	14.02	69.910	18.45	24.00
11a	3	5580	13.14	13.91	13.82	69.309	18.41	24.00
11a	3	5700	13.52	14.02	13.62	70.740	18.50	24.00
HT20	3	5260	13.52	13.54	13.74	68.744	18.37	24.00
HT20	3	5300	13.51	14.03	14.00	72.851	18.62	24.00
HT20	3	5320	13.61	14.00	13.95	72.912	18.63	24.00
HT20	3	5500	13.18	13.78	13.65	67.849	18.32	24.00
HT20	3	5580	13.31	14.03	13.96	71.610	18.55	24.00
HT20	3	5700	13.24	14.01	13.54	68.857	18.38	24.00
HT40	3	5270	17.29	17.38	17.61	165.958	22.20	24.00
HT40	3	5310	13.67	13.52	13.06	66.002	18.20	24.00
HT40	3	5510	14.21	14.90	14.72	86.915	19.39	24.00
HT40	3	5550	16.84	16.50	17.57	150.122	21.76	24.00
HT40	3	5670	16.39	16.48	16.47	132.375	21.22	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	13.79	13.97	13.88	73.313	18.65	24.00
VHT20	3	5300	13.65	14.13	14.00	74.175	18.70	24.00
VHT20	3	5320	13.69	14.06	13.95	73.688	18.67	24.00
VHT20	3	5500	13.29	13.99	13.79	70.325	18.47	24.00
VHT20	3	5580	13.36	14.15	14.02	72.913	18.63	24.00
VHT20	3	5700	13.33	14.11	13.81	71.335	18.53	24.00
VHT40	3	5270	17.37	17.41	17.69	168.405	22.26	24.00
VHT40	3	5310	12.73	13.57	13.11	61.965	17.92	24.00
VHT40	3	5510	14.29	14.96	14.82	88.525	19.47	24.00
VHT40	3	5550	16.95	17.52	17.65	164.249	22.16	24.00
VHT40	3	5670	16.42	16.55	16.53	134.017	21.27	24.00
VHT80	3	5290	11.19	11.48	11.52	41.403	16.17	24.00
VHT80	3	5530	11.11	11.73	11.81	42.976	16.33	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	11.83	12.58	12.50	51.137	17.09	23.08
HT20	3	5720	11.83	11.90	12.45	48.308	16.84	23.29
HT40	3	5710	15.70	16.73	16.41	128.137	21.07	24.00
VHT20	3	5720	11.82	12.62	12.49	51.228	17.10	23.29
VHT40	3	5710	15.61	16.79	16.47	128.550	21.09	24.00
VHT80	3	5690	16.03	17.15	17.23	144.674	21.60	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	5.85	6.21	6.66	12.659	11.02	19.07
HT20	3	5720	5.94	6.99	6.89	13.813	11.40	19.48
HT40	3	5710	4.44	5.74	5.47	10.064	10.02	23.31
VHT20	3	5720	5.97	7.26	7.13	14.439	11.60	19.48
VHT40	3	5710	4.66	5.65	5.46	10.116	10.05	23.31
VHT80	3	5690	1.54	2.58	2.35	4.950	6.95	24.00



Note: Above plots are without duty factor.

Configuration 5: Ant 5, Omni antenna with 2dBi gain, X-plane

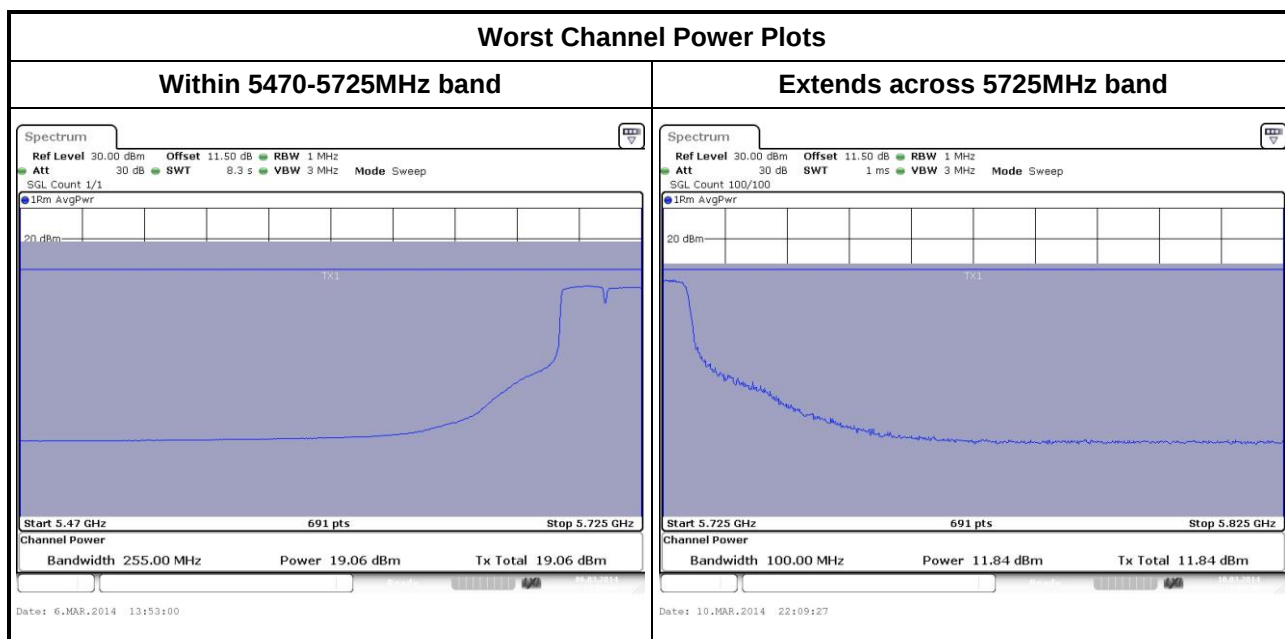
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	18.01	17.74	18.09	187.087	22.72	24.00
11a	3	5300	17.80	17.89	17.84	182.587	22.61	24.00
11a	3	5320	17.41	17.91	18.02	180.269	22.56	24.00
11a	3	5500	17.06	17.48	18.01	170.033	22.31	24.00
11a	3	5580	17.03	17.58	17.89	169.263	22.29	24.00
11a	3	5700	15.92	15.88	16.20	119.497	20.77	24.00
HT20	3	5260	17.44	17.89	17.69	175.729	22.45	24.00
HT20	3	5300	17.58	18.55	18.22	195.268	22.91	24.00
HT20	3	5320	17.55	18.36	18.28	192.732	22.85	24.00
HT20	3	5500	17.49	18.21	18.10	186.892	22.72	24.00
HT20	3	5580	17.23	17.78	17.74	172.253	22.36	24.00
HT20	3	5700	15.32	15.76	15.48	107.030	20.30	24.00
HT40	3	5270	19.10	19.03	19.08	242.176	23.84	24.00
HT40	3	5310	13.26	13.52	13.49	66.010	18.20	24.00
HT40	3	5510	15.10	15.18	15.53	101.048	20.05	24.00
HT40	3	5550	18.27	19.24	19.13	232.935	23.67	24.00
HT40	3	5670	17.74	17.98	18.06	186.209	22.70	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	17.49	17.93	17.75	177.758	22.50	24.00
VHT20	3	5300	17.59	18.63	18.26	197.346	22.95	24.00
VHT20	3	5320	17.59	18.42	18.37	195.621	22.91	24.00
VHT20	3	5500	17.52	18.28	18.14	188.954	22.76	24.00
VHT20	3	5580	17.36	17.83	17.76	174.827	22.43	24.00
VHT20	3	5700	15.44	15.81	15.54	108.911	20.37	24.00
VHT40	3	5270	19.14	19.11	19.18	246.300	23.91	24.00
VHT40	3	5310	13.33	13.62	13.54	67.137	18.27	24.00
VHT40	3	5510	15.16	15.29	15.68	103.599	20.15	24.00
VHT40	3	5550	18.34	19.21	19.21	234.970	23.71	24.00
VHT40	3	5670	17.88	18.04	18.13	190.069	22.79	24.00
VHT80	3	5290	11.68	11.72	11.88	44.999	16.53	24.00
VHT80	3	5530	12.77	12.99	13.22	59.820	17.77	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	15.55	16.73	16.55	128.176	21.08	23.95
HT20	3	5720	15.78	16.96	16.75	134.819	21.30	24.00
HT40	3	5710	17.37	18.47	18.30	192.692	22.84	24.00
VHT20	3	5720	15.96	16.94	16.73	135.975	21.33	24.00
VHT40	3	5710	18.20	19.24	18.37	218.799	23.40	24.00
VHT80	3	5690	17.09	18.07	17.88	176.498	22.47	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	9.65	10.93	10.61	33.122	15.20	20.84
HT20	3	5720	10.52	11.35	11.17	38.010	15.80	22.10
HT40	3	5710	6.27	8.16	7.47	16.385	12.14	24.00
VHT20	3	5720	10.01	11.84	11.54	39.555	15.97	22.10
VHT40	3	5710	7.03	8.72	7.66	18.335	12.63	24.00
VHT80	3	5690	1.64	2.85	2.42	5.127	7.10	24.00



Note: Above plots are without duty factor.

Configuration 6: Ant 6, Sector antenna with 5dBi gain, X-plane

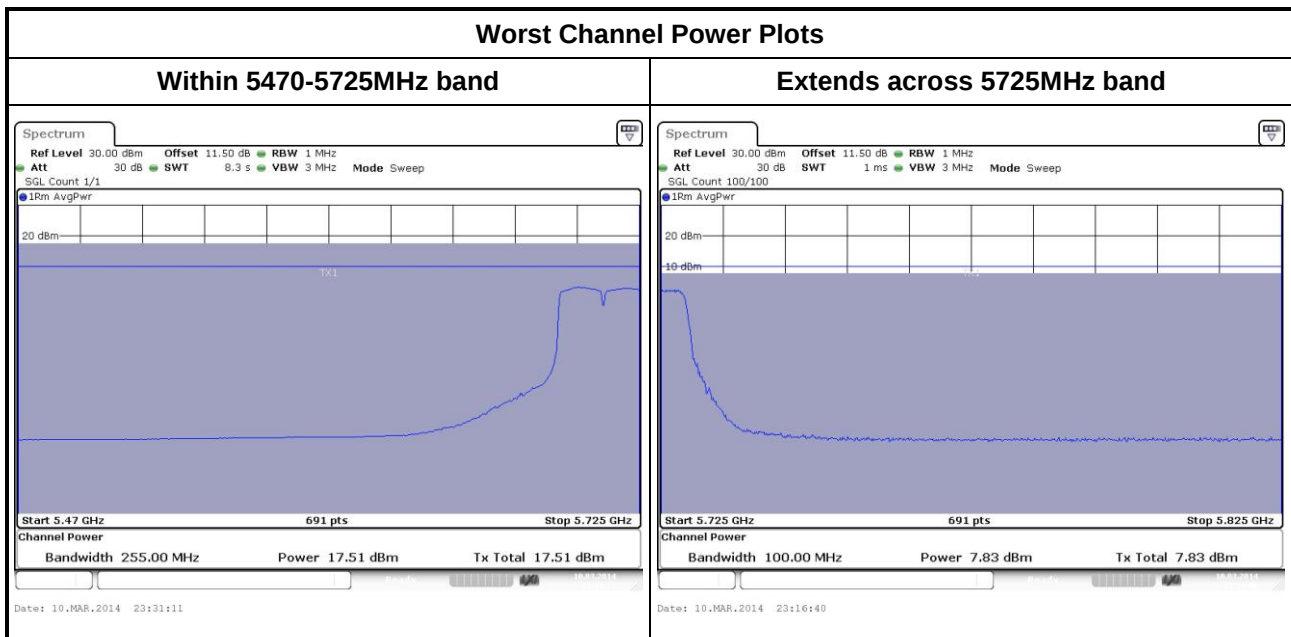
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5260	14.79	15.05	15.09	94.404	19.75	24.00
11a	3	5300	14.65	15.15	15.07	94.045	19.73	24.00
11a	3	5320	14.72	15.14	15.10	94.666	19.76	24.00
11a	3	5500	14.33	14.62	14.83	86.484	19.37	24.00
11a	3	5580	14.11	14.23	14.93	83.365	19.21	24.00
11a	3	5700	14.32	14.63	14.88	86.841	19.39	24.00
HT20	3	5260	14.58	15.31	15.36	97.026	19.87	24.00
HT20	3	5300	14.66	15.26	15.38	97.330	19.88	24.00
HT20	3	5320	14.69	15.11	15.11	94.312	19.75	24.00
HT20	3	5500	14.43	15.01	15.20	92.542	19.66	24.00
HT20	3	5580	14.36	14.88	15.10	90.410	19.56	24.00
HT20	3	5700	14.41	15.01	15.16	92.111	19.64	24.00
HT40	3	5270	18.31	18.39	18.27	203.931	23.09	24.00
HT40	3	5310	11.73	12.10	12.14	47.480	16.77	24.00
HT40	3	5510	12.52	12.69	12.98	56.304	17.51	24.00
HT40	3	5550	17.81	18.49	18.62	203.805	23.09	24.00
HT40	3	5670	15.73	15.62	16.04	114.066	20.57	24.00

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
VHT20	3	5260	14.62	15.33	15.41	97.846	19.91	24.00
VHT20	3	5300	14.68	15.39	15.42	98.804	19.95	24.00
VHT20	3	5320	14.73	15.22	15.31	96.945	19.87	24.00
VHT20	3	5500	14.49	15.15	15.26	94.427	19.75	24.00
VHT20	3	5580	14.43	14.95	15.18	91.955	19.64	24.00
VHT20	3	5700	14.49	15.11	15.23	93.896	19.73	24.00
VHT40	3	5270	18.34	18.45	18.31	205.982	23.14	24.00
VHT40	3	5310	11.78	12.13	12.18	47.916	16.80	24.00
VHT40	3	5510	12.61	12.77	13.08	57.486	17.60	24.00
VHT40	3	5550	17.94	18.58	18.72	208.814	23.20	24.00
VHT40	3	5670	15.88	15.70	16.13	116.900	20.68	24.00
VHT80	3	5290	10.38	10.24	10.42	32.498	15.12	24.00
VHT80	3	5530	10.29	10.47	10.64	33.421	15.24	24.00

Channel that extends across the 5.725 GHz boundary

Maximum Conducted Output Power (Within 5470-5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	12.39	13.11	13.05	57.986	17.63	23.18
HT20	3	5720	12.16	12.96	13.10	56.631	17.53	23.24
HT40	3	5710	16.55	17.61	17.40	157.981	21.98	24.00
VHT20	3	5720	12.23	12.87	13.15	56.729	17.54	23.24
VHT40	3	5710	16.53	17.69	17.36	158.233	21.99	24.00
VHT80	3	5690	16.03	17.15	17.14	143.592	21.57	24.00

Maximum Conducted Output Power (Extends across 5725MHz band)								
RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5720	6.23	6.76	7.22	14.212	11.53	18.99
HT20	3	5720	6.96	7.44	7.32	15.907	12.02	19.54
HT40	3	5710	5.79	6.58	6.36	12.681	11.03	24.00
VHT20	3	5720	6.93	7.83	7.33	16.407	12.15	19.54
VHT40	3	5710	5.77	6.55	6.49	12.755	11.06	24.00
VHT80	3	5690	1.54	2.58	2.35	4.950	6.95	24.00



Note: Above plots are without duty factor.

3.4 Peak Power Spectral Density

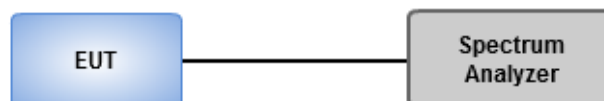
3.4.1 Limit of Peak Power Spectral Density

	Frequency Band (GHz)	Limit (dBm)
☒	5.25~5.35	11
☒	5.47~5.725	11

3.4.2 Test Procedures

- ☒ Method SA-1 (For 11a / 11ac VHT20 mode)
 - Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
 - Trace average 100 traces.
 - Use the peak marker function to determine the maximum amplitude level.
- ☐ Method SA-2
 - Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
 - Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{symbol period of the transmitted signal})$.
 - Perform a single sweep.
 - Use the peak marker function to determine the maximum amplitude level.
- ☒ Method SA-2 Alternative (For 11ac VHT40 / VHT80 mode)
 - Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
 - Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
 - Perform a single sweep.
 - Use the peak marker function to determine the maximum amplitude level.
 - Add $10 \log(1/x)$, where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

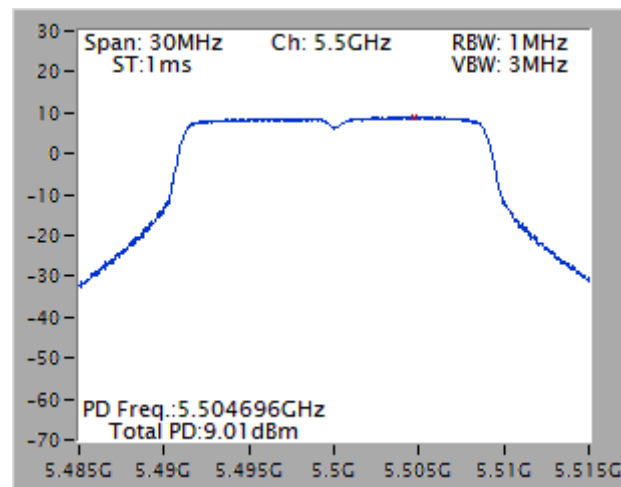
Configuration 1: Ant 1, Dipole antenna with 3dBi gain

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	8.59	0.00	8.59	9.23
11a	3	5300	8.83	0.00	8.83	9.23
11a	3	5320	8.83	0.00	8.83	9.23
11a	3	5500	8.82	0.00	8.82	9.23
11a	3	5580	8.84	0.00	8.84	9.23
11a	3	5700	8.85	0.00	8.85	9.23
11a	3	5720	8.78	0.00	8.78	9.23
VHT20	3	5260	8.31	0.00	8.31	9.23
VHT20	3	5300	8.92	0.00	8.92	9.23
VHT20	3	5320	8.65	0.00	8.65	9.23
VHT20	3	5500	9.01	0.00	9.01	9.23
VHT20	3	5580	8.51	0.00	8.51	9.23
VHT20	3	5700	7.25	0.00	7.25	9.23
VHT20	3	5720	8.83	0.00	8.83	9.23
VHT40	3	5270	6.19	0.18	6.37	9.23
VHT40	3	5310	2.20	0.18	2.38	9.23
VHT40	3	5510	2.84	0.18	3.02	9.23
VHT40	3	5550	7.53	0.18	7.71	9.23
VHT40	3	5670	7.01	0.18	7.19	9.23
VHT40	3	5710	6.84	0.18	7.02	9.23
VHT80	3	5290	-5.01	0.44	-4.57	9.23
VHT80	3	5530	-4.38	0.44	-3.94	9.23
VHT80	3	5690	3.64	0.44	4.08	9.23

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



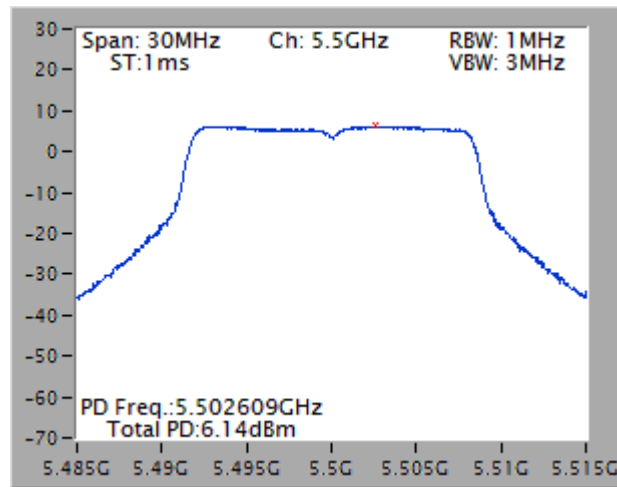
Configuration 2: Ant 2, PIFA antenna with 6dBi gain, X-plane

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	5.75	0.00	5.75	6.23
11a	3	5300	5.67	0.00	5.67	6.23
11a	3	5320	5.65	0.00	5.65	6.23
11a	3	5500	6.14	0.00	6.14	6.23
11a	3	5580	5.58	0.00	5.58	6.23
11a	3	5700	5.74	0.00	5.74	6.23
11a	3	5720	5.70	0.00	5.70	6.23
VHT20	3	5260	5.92	0.00	5.92	6.23
VHT20	3	5300	5.25	0.00	5.25	6.23
VHT20	3	5320	5.35	0.00	5.35	6.23
VHT20	3	5500	5.87	0.00	5.87	6.23
VHT20	3	5580	5.40	0.00	5.40	6.23
VHT20	3	5700	5.75	0.00	5.75	6.23
VHT20	3	5720	5.22	0.00	5.22	6.23
VHT40	3	5270	5.85	0.18	6.03	6.23
VHT40	3	5310	2.20	0.18	2.38	6.23
VHT40	3	5510	2.96	0.18	3.14	6.23
VHT40	3	5550	5.96	0.18	6.14	6.23
VHT40	3	5670	5.64	0.18	5.82	6.23
VHT40	3	5710	4.91	0.18	5.09	6.23
VHT80	3	5290	-5.01	0.44	-4.57	6.23
VHT80	3	5530	-4.38	0.44	-3.94	6.23
VHT80	3	5690	2.00	0.44	2.44	6.23

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



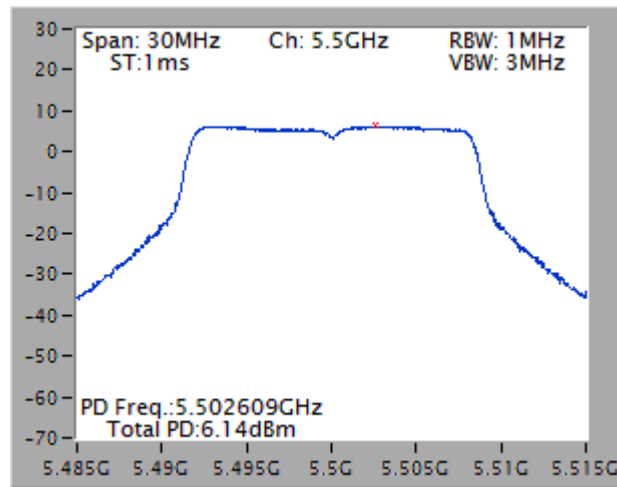
Configuration 3: Ant 3, Panel antenna with 5.5dBi gain, X-plane

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	5.75	0.00	5.75	6.73
11a	3	5300	5.67	0.00	5.67	6.73
11a	3	5320	5.65	0.00	5.65	6.73
11a	3	5500	6.14	0.00	6.14	6.73
11a	3	5580	5.58	0.00	5.58	6.73
11a	3	5700	5.74	0.00	5.74	6.73
11a	3	5720	5.70	0.00	5.70	6.73
VHT20	3	5260	5.92	0.00	5.92	6.73
VHT20	3	5300	5.25	0.00	5.25	6.73
VHT20	3	5320	5.35	0.00	5.35	6.73
VHT20	3	5500	5.87	0.00	5.87	6.73
VHT20	3	5580	5.40	0.00	5.40	6.73
VHT20	3	5700	5.75	0.00	5.75	6.73
VHT20	3	5720	5.22	0.00	5.22	6.73
VHT40	3	5270	5.85	0.18	6.03	6.73
VHT40	3	5310	2.17	0.18	2.35	6.73
VHT40	3	5510	3.38	0.18	3.56	6.73
VHT40	3	5550	5.96	0.18	6.14	6.73
VHT40	3	5670	4.74	0.18	4.92	6.73
VHT40	3	5710	4.91	0.18	5.09	6.73
VHT80	3	5290	-3.08	0.44	-2.64	6.73
VHT80	3	5530	-1.72	0.44	-1.28	6.73
VHT80	3	5690	2.00	0.44	2.44	6.73

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



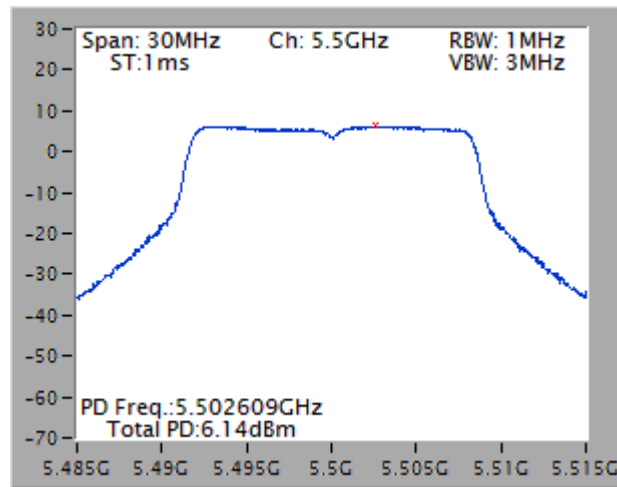
Configuration 4: Ant 4, Panel antenna with 6dBi gain, X-plane

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	5.75	0.00	5.75	6.23
11a	3	5300	5.67	0.00	5.67	6.23
11a	3	5320	5.65	0.00	5.65	6.23
11a	3	5500	6.14	0.00	6.14	6.23
11a	3	5580	5.58	0.00	5.58	6.23
11a	3	5700	5.74	0.00	5.74	6.23
11a	3	5720	5.70	0.00	5.70	6.23
VHT20	3	5260	5.92	0.00	5.92	6.23
VHT20	3	5300	5.25	0.00	5.25	6.23
VHT20	3	5320	5.35	0.00	5.35	6.23
VHT20	3	5500	5.87	0.00	5.87	6.23
VHT20	3	5580	5.40	0.00	5.40	6.23
VHT20	3	5700	5.75	0.00	5.75	6.23
VHT20	3	5720	5.22	0.00	5.22	6.23
VHT40	3	5270	5.85	0.18	6.03	6.23
VHT40	3	5310	0.84	0.18	1.02	6.23
VHT40	3	5510	2.96	0.18	3.14	6.23
VHT40	3	5550	5.96	0.18	6.14	6.23
VHT40	3	5670	4.74	0.18	4.92	6.23
VHT40	3	5710	4.91	0.18	5.09	6.23
VHT80	3	5290	-1.64	0.44	-1.20	6.23
VHT80	3	5530	-1.51	0.44	-1.07	6.23
VHT80	3	5690	2.00	0.44	2.44	6.23

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



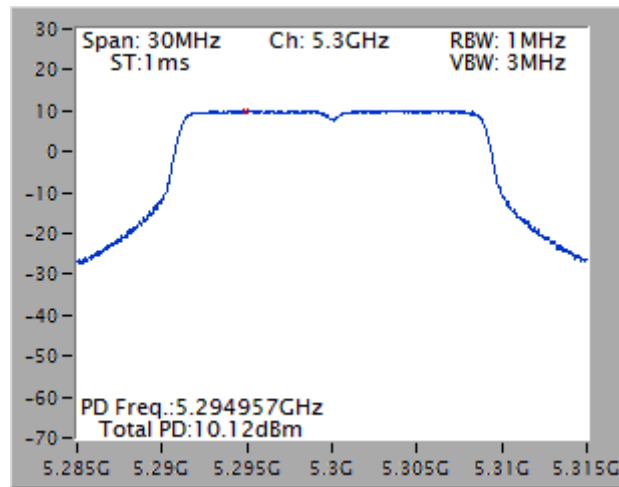
Configuration 5: Ant 5, Omni antenna with 2dBi gain, X-plane

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	9.95	0.00	9.95	10.23
11a	3	5300	10.09	0.00	10.09	10.23
11a	3	5320	10.00	0.00	10.00	10.23
11a	3	5500	9.74	0.00	9.74	10.23
11a	3	5580	9.63	0.00	9.63	10.23
11a	3	5700	9.85	0.00	9.85	10.23
11a	3	5720	9.46	0.00	9.46	10.23
VHT20	3	5260	10.10	0.00	10.10	10.23
VHT20	3	5300	10.12	0.00	10.12	10.23
VHT20	3	5320	10.03	0.00	10.03	10.23
VHT20	3	5500	9.44	0.00	9.44	10.23
VHT20	3	5580	9.43	0.00	9.43	10.23
VHT20	3	5700	7.25	0.00	7.25	10.23
VHT20	3	5720	9.55	0.00	9.55	10.23
VHT40	3	5270	7.89	0.18	8.07	10.23
VHT40	3	5310	0.84	0.18	1.02	10.23
VHT40	3	5510	3.70	0.18	3.88	10.23
VHT40	3	5550	7.53	0.18	7.71	10.23
VHT40	3	5670	6.37	0.18	6.55	10.23
VHT40	3	5710	6.84	0.18	7.02	10.23
VHT80	3	5290	-3.08	0.44	-2.64	10.23
VHT80	3	5530	-1.72	0.44	-1.28	10.23
VHT80	3	5690	2.68	0.44	3.12	10.23

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



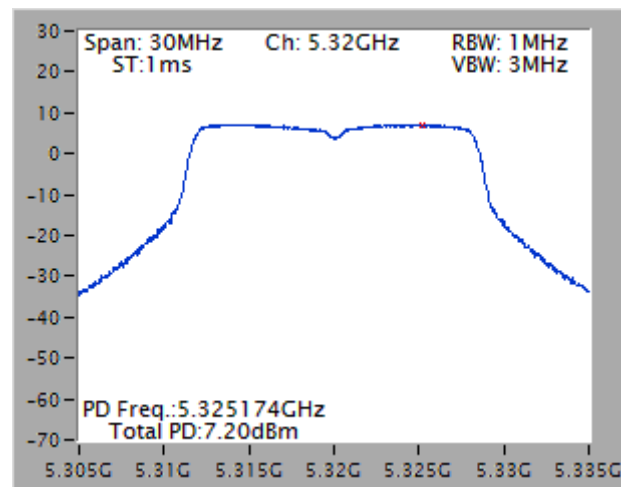
Configuration 6: Ant 6, Sector antenna with 5dBi gain, X-plane

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5260	7.19	0.00	7.19	7.23
11a	3	5300	7.01	0.00	7.01	7.23
11a	3	5320	7.20	0.00	7.20	7.23
11a	3	5500	6.86	0.00	6.86	7.23
11a	3	5580	6.45	0.00	6.45	7.23
11a	3	5700	6.77	0.00	6.77	7.23
11a	3	5720	5.89	0.00	5.89	7.23
VHT20	3	5260	6.59	0.00	6.59	7.23
VHT20	3	5300	6.69	0.00	6.69	7.23
VHT20	3	5320	6.87	0.00	6.87	7.23
VHT20	3	5500	6.79	0.00	6.79	7.23
VHT20	3	5580	6.80	0.00	6.80	7.23
VHT20	3	5700	6.75	0.00	6.75	7.23
VHT20	3	5720	5.68	0.00	5.68	7.23
VHT40	3	5270	6.55	0.18	6.73	7.23
VHT40	3	5310	0.47	0.18	0.65	7.23
VHT40	3	5510	1.43	0.18	1.61	7.23
VHT40	3	5550	6.60	0.18	6.78	7.23
VHT40	3	5670	4.35	0.18	4.53	7.23
VHT40	3	5710	6.05	0.18	6.23	7.23
VHT80	3	5290	-5.01	0.44	-4.57	7.23
VHT80	3	5530	-4.38	0.44	-3.94	7.23
VHT80	3	5690	2.00	0.44	2.44	7.23

Note:

1. D.F is duty factor.
2. Power density plot without duty factor.

Worst Plots



3.5 Peak Excursion

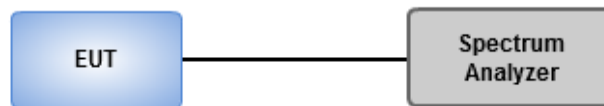
3.5.1 Peak Excursion Limit

Peak excursion of the modulation envelope shall not exceed 13 dB across any 1 MHz bandwidth.

3.5.2 Test Procedures

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = peak.
2. Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak search function to find the peak of the spectrum.
4. Use the procedure of section 3.4.2 to measure the PPSD.
5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD

3.5.3 Test Setup



3.5.4 Test Result of Peak Excursion

Configuration 1: Ant 1, Dipole antenna with 3dBi gain

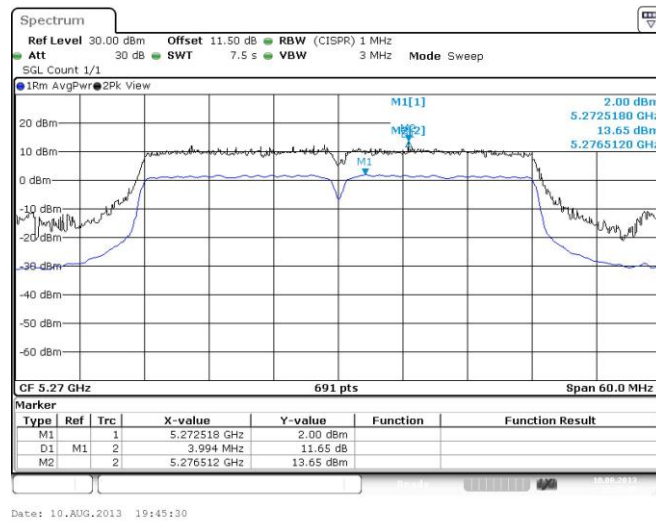
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5300	8.17	0.00	8.17	13
11a	QPSK	3	5300	8.83	0.19	8.64	13
11a	16QAM	3	5300	9.71	0.37	9.34	13
11a	64QAM	3	5300	9.85	0.76	9.09	13
VHT20	BPSK	3	5300	7.76	0.00	7.76	13
VHT20	QPSK	3	5300	8.53	0.21	8.32	13
VHT20	16QAM	3	5300	9.51	0.42	9.09	13
VHT20	64QAM	3	5300	9.32	0.74	8.58	13
VHT20	256QAM	3	5300	9.57	1.06	8.51	13
VHT40	BPSK	3	5270	8.98	0.18	8.80	13
VHT40	QPSK	3	5270	9.53	0.46	9.07	13
VHT40	16QAM	3	5270	9.69	0.75	8.94	13
VHT40	64QAM	3	5270	11.65	1.28	10.37	13
VHT40	256QAM	3	5270	11.53	1.60	9.93	13
VHT80	BPSK	3	5290	9.71	0.44	9.27	13
VHT80	QPSK	3	5290	9.78	0.81	8.97	13
VHT80	16QAM	3	5290	10.7	1.42	9.28	13
VHT80	64QAM	3	5290	10.29	1.91	8.38	13
VHT80	256QAM	3	5290	10.32	2.32	8.00	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5580	8.38	0.00	8.38	13
11a	QPSK	3	5580	9.07	0.19	8.88	13
11a	16QAM	3	5580	9.49	0.37	9.12	13
11a	64QAM	3	5580	10.41	0.76	9.65	13
VHT20	BPSK	3	5580	7.94	0.00	7.94	13
VHT20	QPSK	3	5580	9.82	0.21	9.61	13
VHT20	16QAM	3	5580	9.06	0.42	8.64	13
VHT20	64QAM	3	5580	9.54	0.74	8.80	13
VHT20	256QAM	3	5580	9.46	1.06	8.40	13
VHT40	BPSK	3	5550	8.85	0.18	8.67	13
VHT40	QPSK	3	5550	9.67	0.46	9.21	13
VHT40	16QAM	3	5550	9.86	0.75	9.11	13
VHT40	64QAM	3	5550	9.62	1.28	8.34	13
VHT40	256QAM	3	5550	11.48	1.60	9.88	13
VHT80	BPSK	3	5690	9.43	0.44	8.99	13
VHT80	QPSK	3	5690	9.87	0.81	9.06	13
VHT80	16QAM	3	5690	10.58	1.42	9.16	13
VHT80	64QAM	3	5690	10.58	1.91	8.67	13
VHT80	256QAM	3	5690	10.66	2.32	8.34	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



Configuration 2: Ant 2, PIFA antenna with 6dBi gain, X-plane

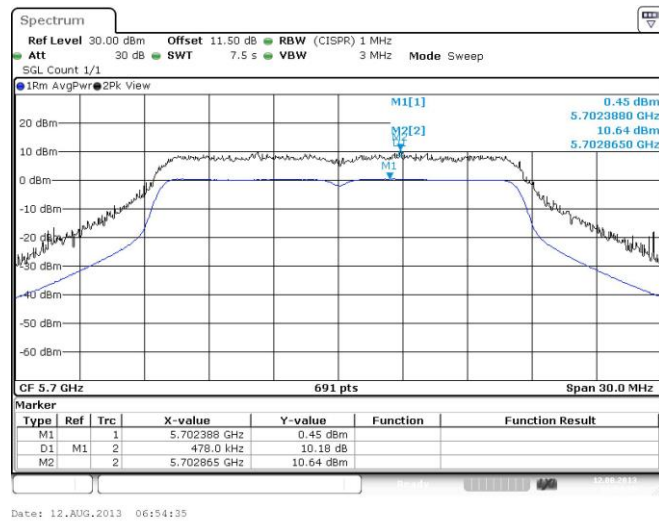
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5300	8.57	0.00	8.57	13
11a	QPSK	3	5300	9.78	0.19	9.59	13
11a	16QAM	3	5300	9.75	0.37	9.38	13
11a	64QAM	3	5300	10.46	0.76	9.70	13
VHT20	BPSK	3	5300	8.28	0.00	8.28	13
VHT20	QPSK	3	5300	8.3	0.21	8.09	13
VHT20	16QAM	3	5300	9.25	0.42	8.83	13
VHT20	64QAM	3	5300	9.41	0.74	8.67	13
VHT20	256QAM	3	5300	10.5	1.06	9.44	13
VHT40	BPSK	3	5270	8.09	0.18	7.91	13
VHT40	QPSK	3	5270	9.05	0.46	8.59	13
VHT40	16QAM	3	5270	9.63	0.75	8.88	13
VHT40	64QAM	3	5270	10.82	1.28	9.54	13
VHT40	256QAM	3	5270	10.67	1.60	9.07	13
VHT80	BPSK	3	5290	9.71	0.44	9.27	13
VHT80	QPSK	3	5290	9.78	0.81	8.97	13
VHT80	16QAM	3	5290	10.7	1.42	9.28	13
VHT80	64QAM	3	5290	11.29	1.91	9.38	13
VHT80	256QAM	3	5290	10.32	2.32	8.00	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5700	7.79	0.00	7.79	13
11a	QPSK	3	5700	9.21	0.19	9.02	13
11a	16QAM	3	5700	10.18	0.37	9.81	13
11a	64QAM	3	5700	9.95	0.76	9.19	13
VHT20	BPSK	3	5580	7.58	0.00	7.58	13
VHT20	QPSK	3	5580	9.38	0.21	9.17	13
VHT20	16QAM	3	5580	9.27	0.42	8.85	13
VHT20	64QAM	3	5580	10.49	0.74	9.75	13
VHT20	256QAM	3	5580	10.49	1.06	9.43	13
VHT40	BPSK	3	5550	8.82	0.18	8.64	13
VHT40	QPSK	3	5550	8.93	0.46	8.47	13
VHT40	16QAM	3	5550	9.82	0.75	9.07	13
VHT40	64QAM	3	5550	9.98	1.28	8.70	13
VHT40	256QAM	3	5550	10.21	1.60	8.61	13
VHT80	BPSK	3	5690	9.59	0.44	9.15	13
VHT80	QPSK	3	5690	9.42	0.81	8.61	13
VHT80	16QAM	3	5690	10.18	1.42	8.76	13
VHT80	64QAM	3	5690	10.93	1.91	9.02	13
VHT80	256QAM	3	5690	10.61	2.32	8.29	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



Configuration 3: Ant 3, Panel antenna with 5.5dBi gain, X-plane

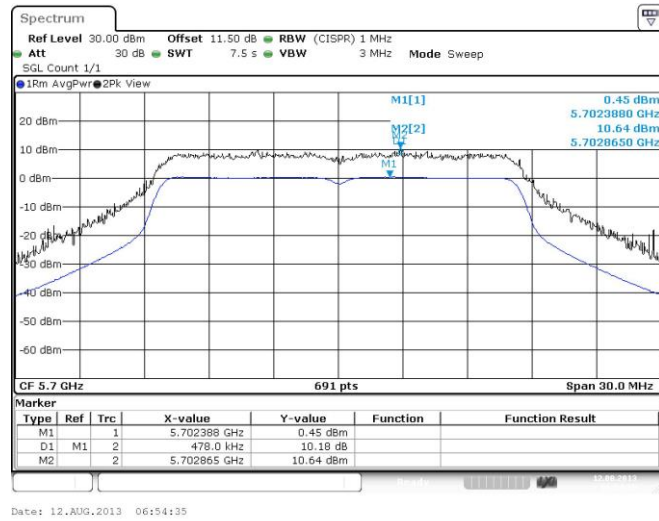
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5300	8.57	0.00	8.57	13
11a	QPSK	3	5300	9.78	0.19	9.59	13
11a	16QAM	3	5300	9.75	0.37	9.38	13
11a	64QAM	3	5300	10.46	0.76	9.70	13
VHT20	BPSK	3	5300	8.28	0.00	8.28	13
VHT20	QPSK	3	5300	8.3	0.21	8.09	13
VHT20	16QAM	3	5300	9.25	0.42	8.83	13
VHT20	64QAM	3	5300	9.41	0.74	8.67	13
VHT20	256QAM	3	5300	10.5	1.06	9.44	13
VHT40	BPSK	3	5270	8.09	0.18	7.91	13
VHT40	QPSK	3	5270	9.05	0.46	8.59	13
VHT40	16QAM	3	5270	9.63	0.75	8.88	13
VHT40	64QAM	3	5270	10.82	1.28	9.54	13
VHT40	256QAM	3	5270	10.67	1.60	9.07	13
VHT80	BPSK	3	5290	9.22	0.44	8.78	13
VHT80	QPSK	3	5290	9.2	0.81	8.39	13
VHT80	16QAM	3	5290	10.14	1.42	8.72	13
VHT80	64QAM	3	5290	10.75	1.91	8.84	13
VHT80	256QAM	3	5290	10.54	2.32	8.22	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5700	7.79	0.00	7.79	13
11a	QPSK	3	5700	9.21	0.19	9.02	13
11a	16QAM	3	5700	10.18	0.37	9.81	13
11a	64QAM	3	5700	9.95	0.76	9.19	13
VHT20	BPSK	3	5580	7.58	0.00	7.58	13
VHT20	QPSK	3	5580	9.38	0.21	9.17	13
VHT20	16QAM	3	5580	9.27	0.42	8.85	13
VHT20	64QAM	3	5580	10.49	0.74	9.75	13
VHT20	256QAM	3	5580	10.49	1.06	9.43	13
VHT40	BPSK	3	5550	8.82	0.18	8.64	13
VHT40	QPSK	3	5550	8.93	0.46	8.47	13
VHT40	16QAM	3	5550	9.82	0.75	9.07	13
VHT40	64QAM	3	5550	9.98	1.28	8.70	13
VHT40	256QAM	3	5550	10.21	1.60	8.61	13
VHT80	BPSK	3	5690	9.59	0.44	9.15	13
VHT80	QPSK	3	5690	9.42	0.81	8.61	13
VHT80	16QAM	3	5690	10.18	1.42	8.76	13
VHT80	64QAM	3	5690	10.93	1.91	9.02	13
VHT80	256QAM	3	5690	10.61	2.32	8.29	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



Configuration 4: Ant 4, Panel antenna with 6dBi gain, X-plane

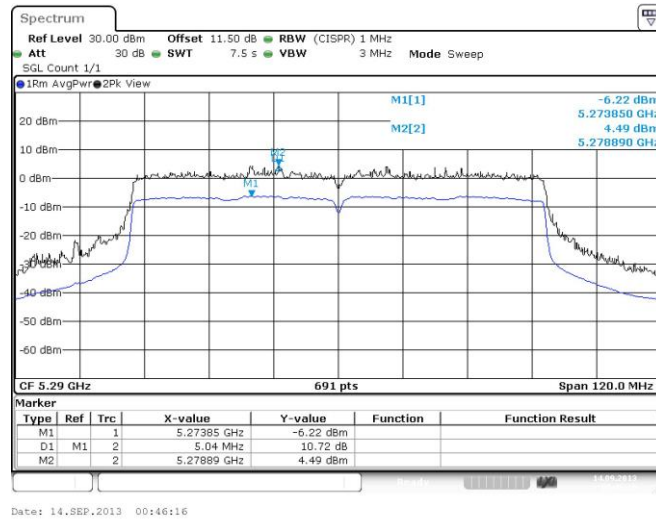
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5300	8.57	0.00	8.57	13
11a	QPSK	3	5300	9.78	0.19	9.59	13
11a	16QAM	3	5300	9.75	0.37	9.38	13
11a	64QAM	3	5300	10.46	0.76	9.70	13
VHT20	BPSK	3	5300	8.28	0.00	8.28	13
VHT20	QPSK	3	5300	8.3	0.21	8.09	13
VHT20	16QAM	3	5300	9.25	0.42	8.83	13
VHT20	64QAM	3	5300	9.41	0.74	8.67	13
VHT20	256QAM	3	5300	10.5	1.06	9.44	13
VHT40	BPSK	3	5270	8.09	0.18	7.91	13
VHT40	QPSK	3	5270	9.05	0.46	8.59	13
VHT40	16QAM	3	5270	9.63	0.75	8.88	13
VHT40	64QAM	3	5270	10.82	1.28	9.54	13
VHT40	256QAM	3	5270	10.67	1.60	9.07	13
VHT80	BPSK	3	5290	9.14	0.44	8.70	13
VHT80	QPSK	3	5290	10.72	0.81	9.91	13
VHT80	16QAM	3	5290	11.31	1.42	9.89	13
VHT80	64QAM	3	5290	10.44	1.91	8.53	13
VHT80	256QAM	3	5290	10.45	2.32	8.13	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5700	7.79	0.00	7.79	13
11a	QPSK	3	5700	9.21	0.19	9.02	13
11a	16QAM	3	5700	10.18	0.37	9.81	13
11a	64QAM	3	5700	9.95	0.76	9.19	13
VHT20	BPSK	3	5580	7.58	0.00	7.58	13
VHT20	QPSK	3	5580	9.38	0.21	9.17	13
VHT20	16QAM	3	5580	9.27	0.42	8.85	13
VHT20	64QAM	3	5580	10.49	0.74	9.75	13
VHT20	256QAM	3	5580	10.49	1.06	9.43	13
VHT40	BPSK	3	5550	8.82	0.18	8.64	13
VHT40	QPSK	3	5550	8.93	0.46	8.47	13
VHT40	16QAM	3	5550	9.82	0.75	9.07	13
VHT40	64QAM	3	5550	9.98	1.28	8.70	13
VHT40	256QAM	3	5550	10.21	1.60	8.61	13
VHT80	BPSK	3	5690	9.59	0.44	9.15	13
VHT80	QPSK	3	5690	9.42	0.81	8.61	13
VHT80	16QAM	3	5690	10.18	1.42	8.76	13
VHT80	64QAM	3	5690	10.93	1.91	9.02	13
VHT80	256QAM	3	5690	10.61	2.32	8.29	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



Configuration 5: Ant 5, Omni antenna with 2dBi gain, X-plane

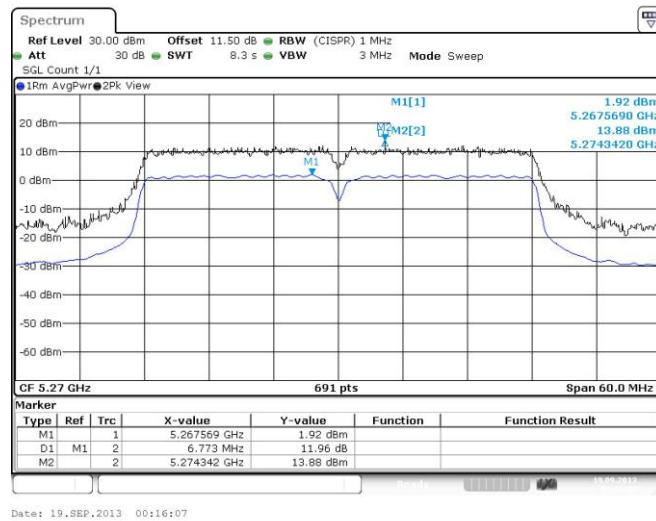
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5260	9.65	0.00	9.65	13
11a	QPSK	3	5260	9.29	0.19	9.10	13
11a	16QAM	3	5260	10.68	0.37	10.31	13
11a	64QAM	3	5260	9.78	0.76	9.02	13
VHT20	BPSK	3	5300	8.73	0.00	8.73	13
VHT20	QPSK	3	5300	8.65	0.21	8.44	13
VHT20	16QAM	3	5300	9.77	0.42	9.35	13
VHT20	64QAM	3	5300	10.27	0.74	9.53	13
VHT20	256QAM	3	5300	9.86	1.06	8.80	13
VHT40	BPSK	3	5270	9.17	0.18	8.99	13
VHT40	QPSK	3	5270	9.24	0.46	8.78	13
VHT40	16QAM	3	5270	10.16	0.75	9.41	13
VHT40	64QAM	3	5270	10.21	1.28	8.93	13
VHT40	256QAM	3	5270	11.96	1.60	10.36	13
VHT80	BPSK	3	5290	9.22	0.44	8.78	13
VHT80	QPSK	3	5290	9.2	0.81	8.39	13
VHT80	16QAM	3	5290	10.14	1.42	8.72	13
VHT80	64QAM	3	5290	10.75	1.91	8.84	13
VHT80	256QAM	3	5290	10.54	2.32	8.22	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5500	9.19	0.00	9.19	13
11a	QPSK	3	5500	8.53	0.19	8.34	13
11a	16QAM	3	5500	9.68	0.37	9.31	13
11a	64QAM	3	5500	10.01	0.76	9.25	13
VHT20	BPSK	3	5500	8.97	0.00	8.97	13
VHT20	QPSK	3	5500	8.96	0.21	8.75	13
VHT20	16QAM	3	5500	10.04	0.42	9.62	13
VHT20	64QAM	3	5500	9.77	0.74	9.03	13
VHT20	256QAM	3	5500	10.9	1.06	9.84	13
VHT40	BPSK	3	5550	8.85	0.18	8.67	13
VHT40	QPSK	3	5550	9.67	0.46	9.21	13
VHT40	16QAM	3	5550	9.86	0.75	9.11	13
VHT40	64QAM	3	5550	9.62	1.28	8.34	13
VHT40	256QAM	3	5550	11.48	1.60	9.88	13
VHT80	BPSK	3	5690	9.48	0.44	9.04	13
VHT80	QPSK	3	5690	9.76	0.81	8.95	13
VHT80	16QAM	3	5690	10.32	1.42	8.90	13
VHT80	64QAM	3	5690	10.97	1.91	9.06	13
VHT80	256QAM	3	5690	11.21	2.32	8.89	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



Configuration 6: Ant 6, Sector antenna with 5dBi gain, X-plane

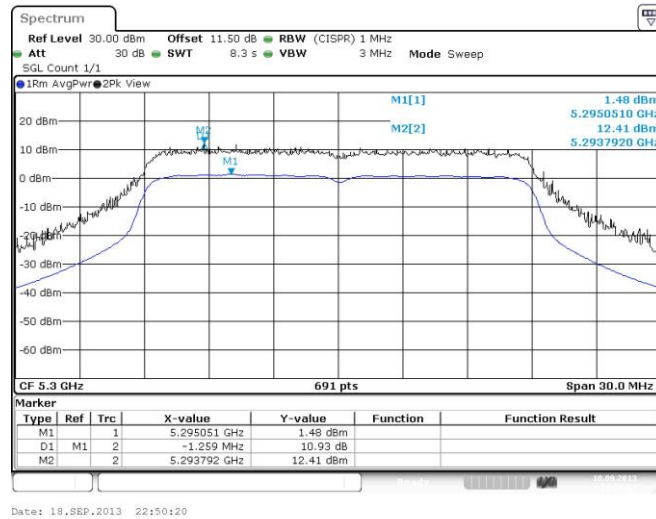
Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5300	9.13	0.00	9.13	13
11a	QPSK	3	5300	8.52	0.19	8.33	13
11a	16QAM	3	5300	9.63	0.37	9.26	13
11a	64QAM	3	5300	10.46	0.76	9.70	13
VHT20	BPSK	3	5300	9.4	0.00	9.40	13
VHT20	QPSK	3	5300	8.79	0.21	8.58	13
VHT20	16QAM	3	5300	9.41	0.42	8.99	13
VHT20	64QAM	3	5300	9.32	0.74	8.58	13
VHT20	256QAM	3	5300	10.93	1.06	9.87	13
VHT40	BPSK	3	5270	9.23	0.18	9.05	13
VHT40	QPSK	3	5270	8.94	0.46	8.48	13
VHT40	16QAM	3	5270	10.54	0.75	9.79	13
VHT40	64QAM	3	5270	10.51	1.28	9.23	13
VHT40	256QAM	3	5270	10.23	1.60	8.63	13
VHT80	BPSK	3	5290	9.71	0.44	9.27	13
VHT80	QPSK	3	5290	9.78	0.81	8.97	13
VHT80	16QAM	3	5290	10.7	1.42	9.28	13
VHT80	64QAM	3	5290	11.29	1.91	9.38	13
VHT80	256QAM	3	5290	10.32	2.32	8.00	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5580	9.19	0.00	9.19	13
11a	QPSK	3	5580	9.33	0.19	9.14	13
11a	16QAM	3	5580	9.49	0.37	9.12	13
11a	64QAM	3	5580	10.31	0.76	9.55	13
VHT20	BPSK	3	5500	9.06	0.00	9.06	13
VHT20	QPSK	3	5500	9.27	0.21	9.06	13
VHT20	16QAM	3	5500	9.94	0.42	9.52	13
VHT20	64QAM	3	5500	9.89	0.74	9.15	13
VHT20	256QAM	3	5500	10.11	1.06	9.05	13
VHT40	BPSK	3	5550	9.26	0.18	9.08	13
VHT40	QPSK	3	5550	9.57	0.46	9.11	13
VHT40	16QAM	3	5550	9.93	0.75	9.18	13
VHT40	64QAM	3	5550	10.04	1.28	8.76	13
VHT40	256QAM	3	5550	10.04	1.60	8.44	13
VHT80	BPSK	3	5690	9.59	0.44	9.15	13
VHT80	QPSK	3	5690	9.42	0.81	8.61	13
VHT80	16QAM	3	5690	10.18	1.42	8.76	13
VHT80	64QAM	3	5690	10.93	1.91	9.02	13
VHT80	256QAM	3	5690	10.61	2.32	8.29	13

Note: Measured value = Peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission. Since the duty cycle is < 98 %, duty factor is required to average spectrum
Peak exclusion = Measured value – duty factor

Worst Plots



3.6 Transmitter Radiated and Band Edge Emissions

3.6.1 Limit of Transmitter Radiated and Band Edge Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.825 GHz	5.715 5.725 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] 5.825 5.835 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

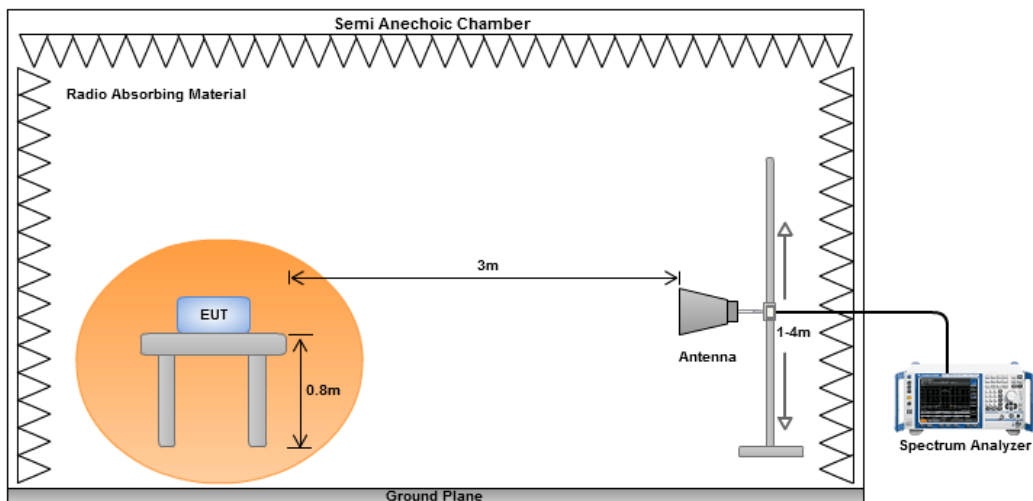
3.6.2 Test Procedures

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360° . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360° , the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

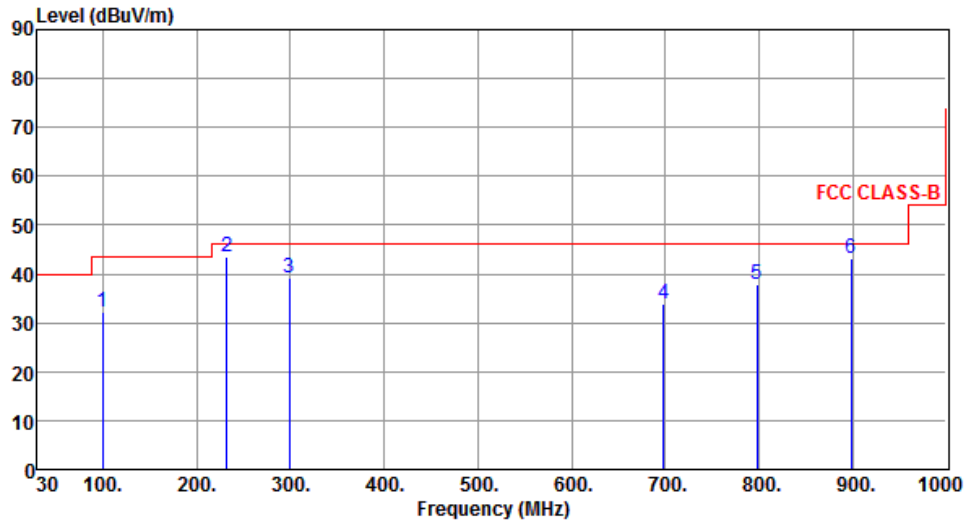
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.6.3 Test Setup



3.6.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	32.37	43.50	-11.13	54.01	-21.64	Peak	---	---
2	231.76	43.46	46.00	-2.54	62.18	-18.72	QP	---	---
3	298.69	39.35	46.00	-6.65	55.61	-16.26	Peak	---	---
4	698.33	34.03	46.00	-11.97	42.30	-8.27	Peak	---	---
5	798.24	37.83	46.00	-8.17	44.60	-6.77	Peak	---	---
6	898.15	43.10	46.00	-2.90	48.64	-5.54	QP	---	---

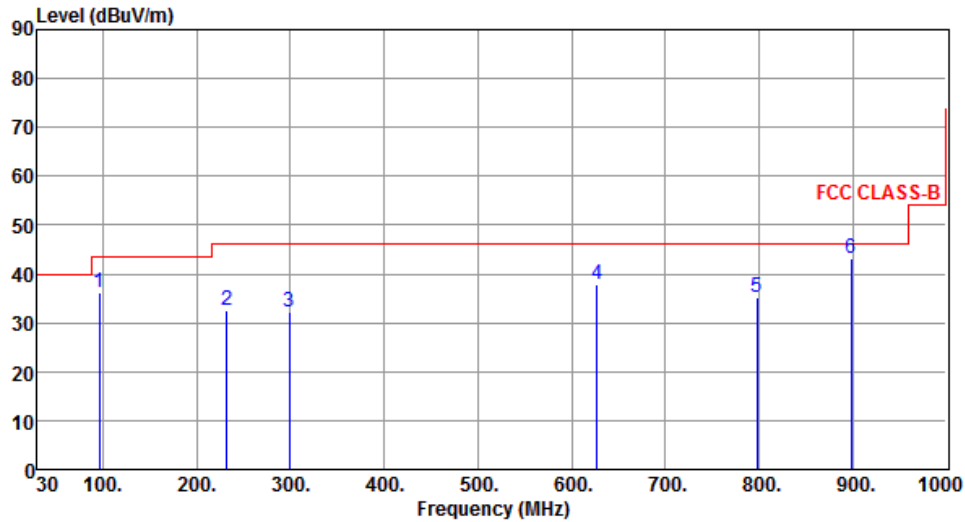
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	95.96	36.08	43.50	-7.42	58.24	-22.16	Peak	---	---
2	231.76	32.59	46.00	-13.41	51.31	-18.72	Peak	---	---
3	298.69	32.36	46.00	-13.64	48.62	-16.26	Peak	---	---
4	627.52	37.99	46.00	-8.01	47.34	-9.35	Peak	---	---
5	798.24	35.14	46.00	-10.86	41.91	-6.77	Peak	---	---
6	898.15	43.16	46.00	-2.84	48.70	-5.54	QP	---	---

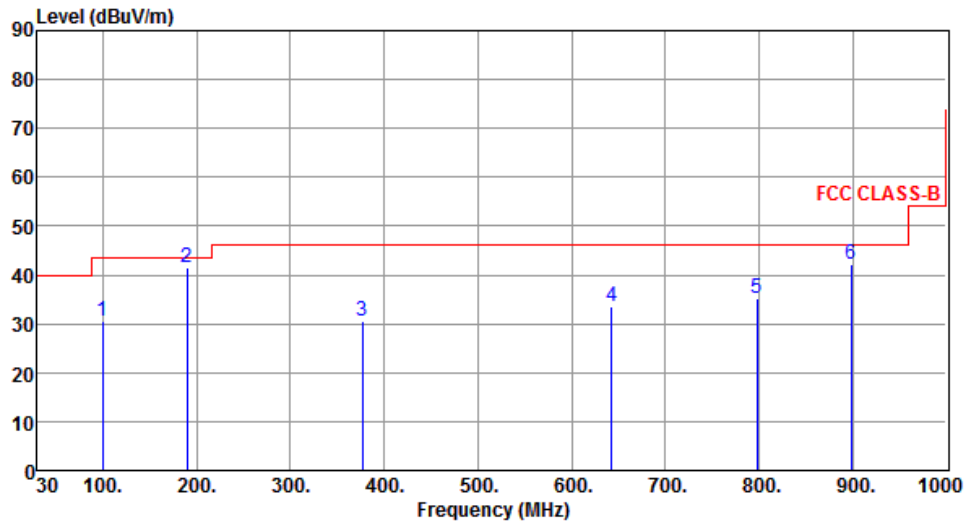
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	30.44	43.50	-13.06	52.08	-21.64	Peak	---	---
2	190.05	41.52	43.50	-1.98	60.61	-19.09	QP	---	---
3	377.26	30.44	46.00	-15.56	44.67	-14.23	Peak	---	---
4	643.04	33.51	46.00	-12.49	42.64	-9.13	Peak	---	---
5	798.24	35.25	46.00	-10.75	42.02	-6.77	Peak	---	---
6	898.15	42.21	46.00	-3.79	47.75	-5.54	Peak	---	---

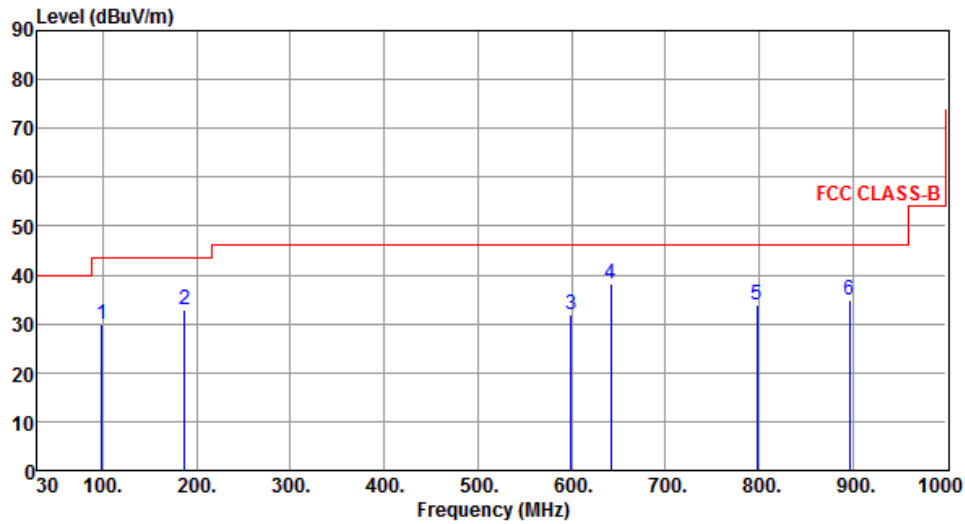
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	98.87	29.80	43.50	-13.70	51.57	-21.77	Peak	---	---
2	187.14	33.01	43.50	-10.49	51.90	-18.89	Peak	---	---
3	599.39	31.99	46.00	-14.01	41.74	-9.75	Peak	---	---
4	642.07	38.27	46.00	-7.73	47.41	-9.14	Peak	---	---
5	798.24	33.77	46.00	-12.23	40.54	-6.77	Peak	---	---
6	896.21	34.76	46.00	-11.24	40.32	-5.56	Peak	---	---

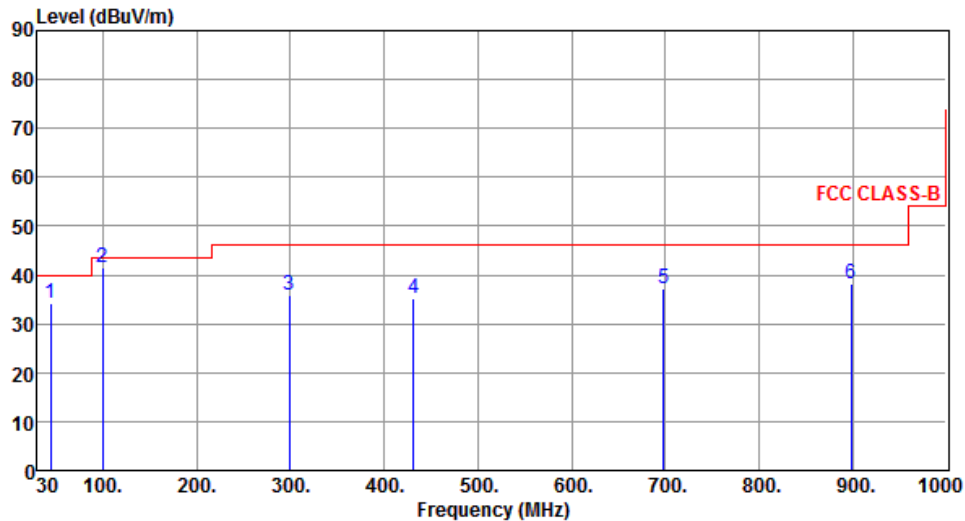
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.55	34.34	40.00	-5.66	51.07	-16.73	Peak	---	---
2	99.84	41.50	43.50	-2.00	63.14	-21.64	Peak	---	---
3	298.69	35.88	46.00	-10.12	52.14	-16.26	Peak	---	---
4	431.58	35.29	46.00	-10.71	48.18	-12.89	Peak	---	---
5	698.33	37.14	46.00	-8.86	45.41	-8.27	Peak	---	---
6	898.15	38.24	46.00	-7.76	43.78	-5.54	Peak	---	---

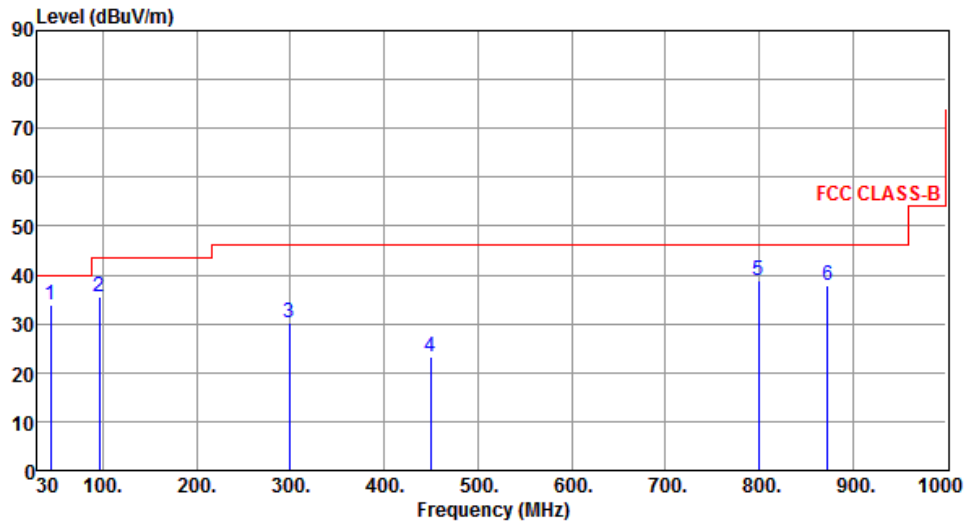
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.55	33.91	40.00	-6.09	50.64	-16.73	Peak	---	---
2	95.96	35.54	43.50	-7.96	57.70	-22.16	Peak	---	---
3	298.69	30.24	46.00	-15.76	46.50	-16.26	Peak	---	---
4	450.01	23.21	46.00	-22.79	35.65	-12.44	Peak	---	---
5	799.21	38.87	46.00	-7.13	45.63	-6.76	Peak	---	---
6	872.93	37.97	46.00	-8.03	43.81	-5.84	Peak	---	---

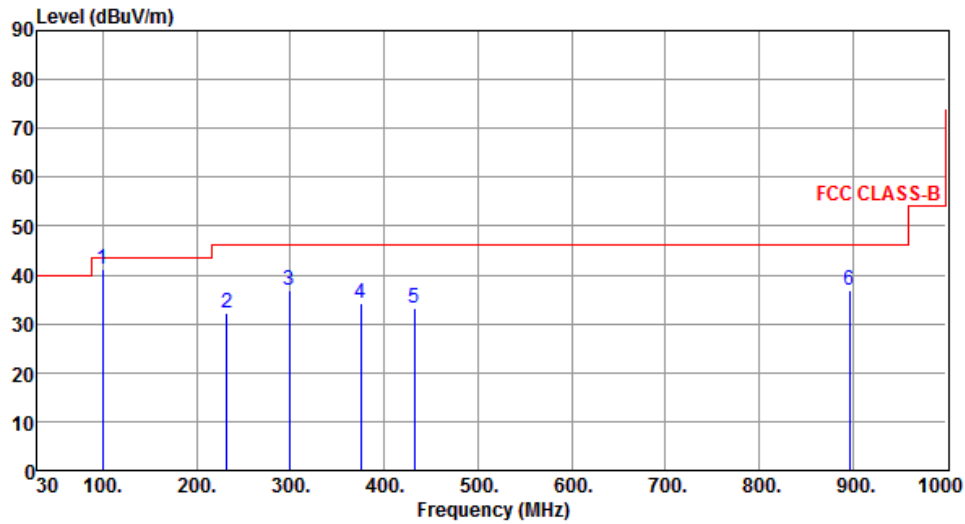
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	41.26	43.50	-2.24	62.90	-21.64	Peak	---	---
2	231.76	32.09	46.00	-13.91	50.81	-18.72	Peak	---	---
3	298.69	36.84	46.00	-9.16	53.10	-16.26	Peak	---	---
4	375.32	34.07	46.00	-11.93	48.34	-14.27	Peak	---	---
5	432.55	33.22	46.00	-12.78	46.08	-12.86	Peak	---	---
6	896.21	36.77	46.00	-9.23	42.33	-5.56	Peak	---	---

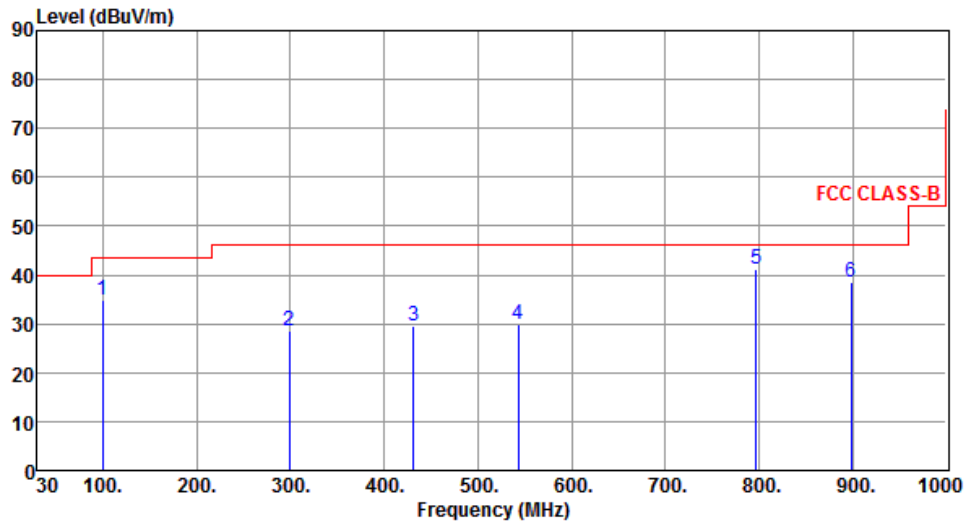
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	34.96	43.50	-8.54	56.60	-21.64	Peak	---	---
2	298.69	28.52	46.00	-17.48	44.78	-16.26	Peak	---	---
3	431.58	29.51	46.00	-16.49	42.40	-12.89	Peak	---	---
4	543.13	29.94	46.00	-16.06	40.76	-10.82	Peak	---	---
5	797.27	41.22	46.00	-4.78	48.01	-6.79	Peak	---	---
6	898.15	38.39	46.00	-7.61	43.93	-5.54	Peak	---	---

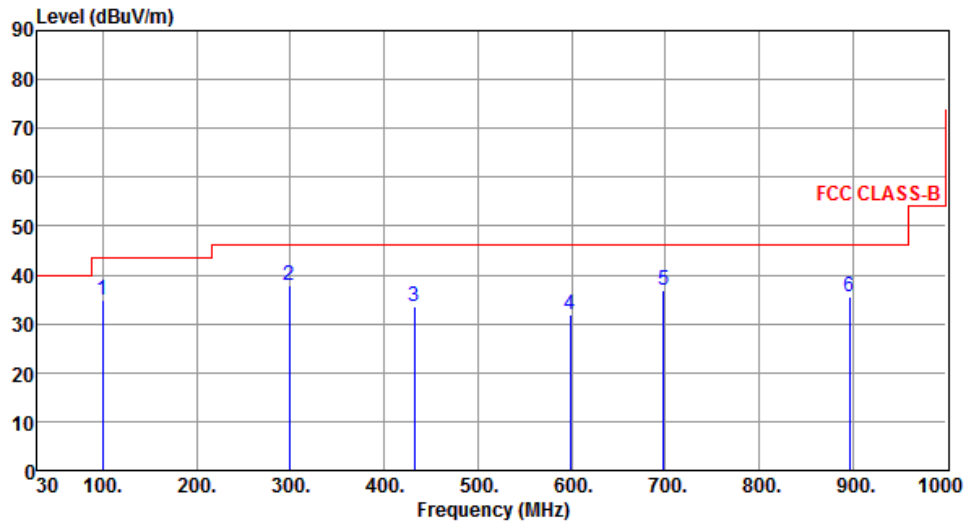
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	34.94	43.50	-8.56	56.58	-21.64	Peak	---	---
2	298.69	37.80	46.00	-8.20	54.06	-16.26	Peak	---	---
3	432.55	33.71	46.00	-12.29	46.57	-12.86	Peak	---	---
4	598.42	31.80	46.00	-14.20	41.57	-9.77	Peak	---	---
5	698.33	36.94	46.00	-9.06	45.21	-8.27	Peak	---	---
6	896.21	35.38	46.00	-10.62	40.94	-5.56	Peak	---	---

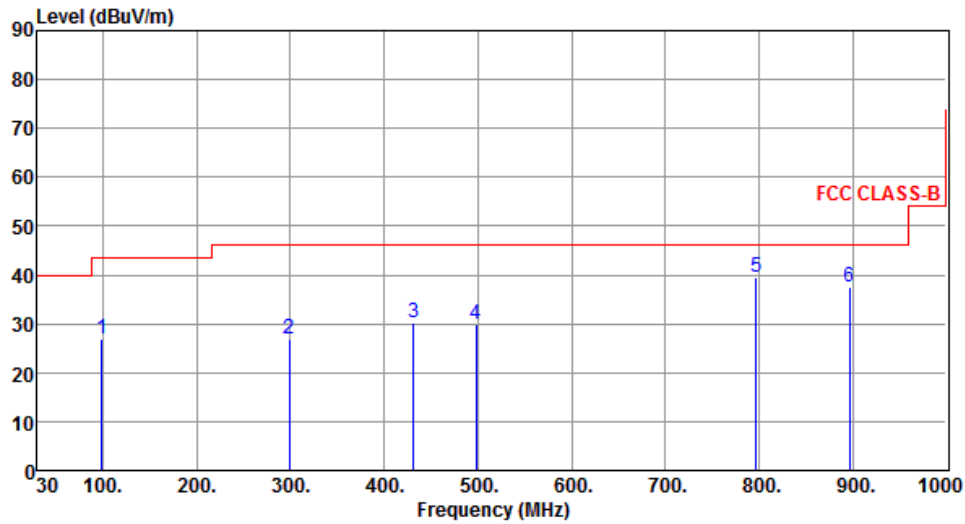
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	98.87	26.76	43.50	-16.74	48.53	-21.77	Peak	---	---
2	298.69	27.04	46.00	-18.96	43.30	-16.26	Peak	---	---
3	431.58	30.07	46.00	-15.93	42.96	-12.89	Peak	---	---
4	498.51	29.85	46.00	-16.15	41.55	-11.70	Peak	---	---
5	797.27	39.41	46.00	-6.59	46.20	-6.79	Peak	---	---
6	896.21	37.62	46.00	-8.38	43.18	-5.56	Peak	---	---

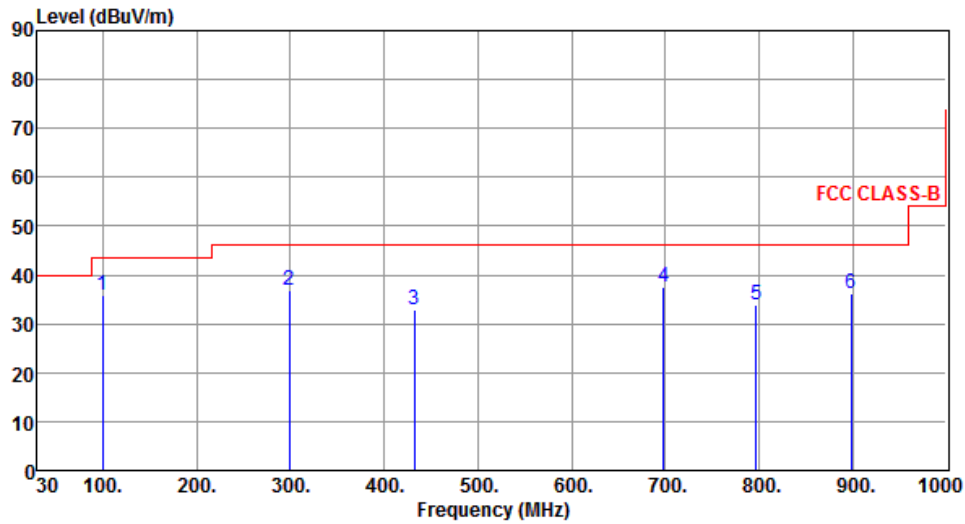
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	35.85	43.50	-7.65	57.49	-21.64	Peak	---	---
2	298.69	36.97	46.00	-9.03	53.23	-16.26	Peak	---	---
3	432.55	32.85	46.00	-13.15	45.71	-12.86	Peak	---	---
4	698.33	37.53	46.00	-8.47	45.80	-8.27	Peak	---	---
5	797.27	33.94	46.00	-12.06	40.73	-6.79	Peak	---	---
6	898.15	36.26	46.00	-9.74	41.80	-5.54	Peak	---	---

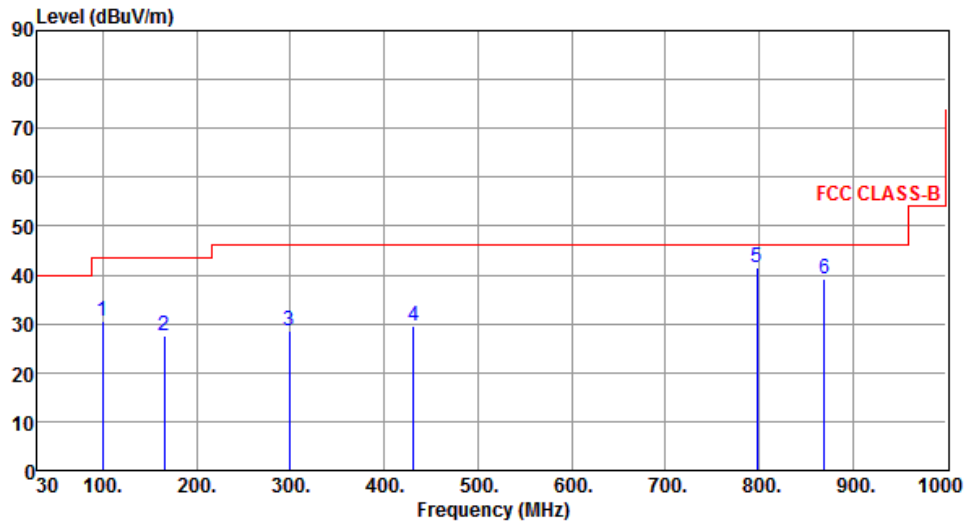
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	30.45	43.50	-13.05	52.09	-21.64	Peak	---	---
2	165.80	27.73	43.50	-15.77	44.75	-17.02	Peak	---	---
3	298.69	28.51	46.00	-17.49	44.77	-16.26	Peak	---	---
4	431.58	29.59	46.00	-16.41	42.48	-12.89	Peak	---	---
5	798.24	41.65	46.00	-4.35	48.42	-6.77	Peak	---	---
6	870.02	39.13	46.00	-6.87	45.01	-5.88	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

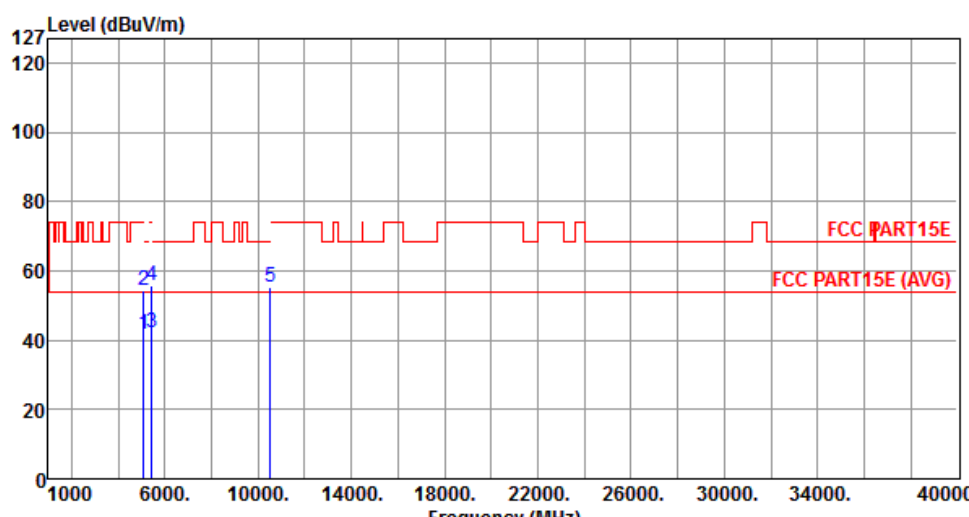
*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.6.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

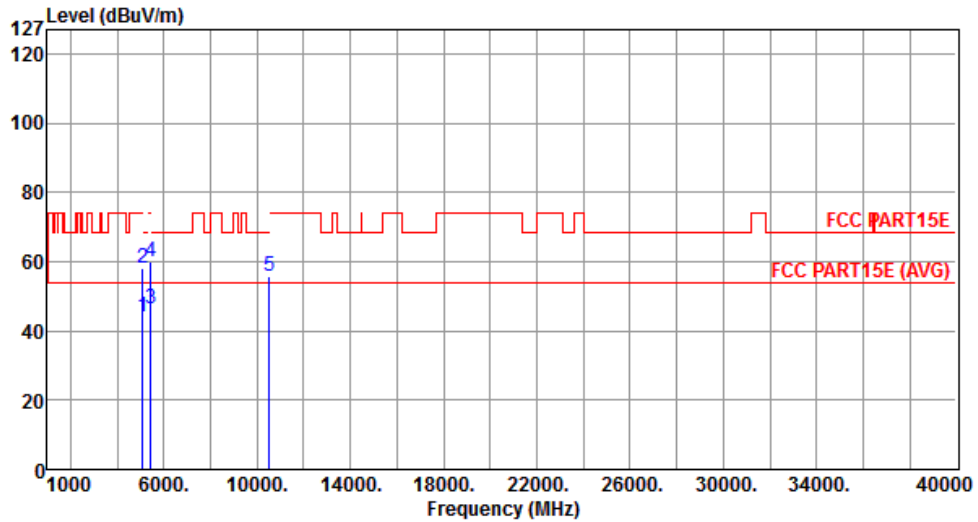
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.54	54.00	-12.46	36.71	4.83	Average	---	---
2	5097.00	54.51	74.00	-19.49	49.68	4.83	Peak	---	---
3	5427.00	41.95	54.00	-12.05	36.81	5.14	Average	---	---
4	5427.00	55.67	74.00	-18.33	50.53	5.14	Peak	---	---
5	10520.00	55.50	68.30	-12.80	40.63	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	1



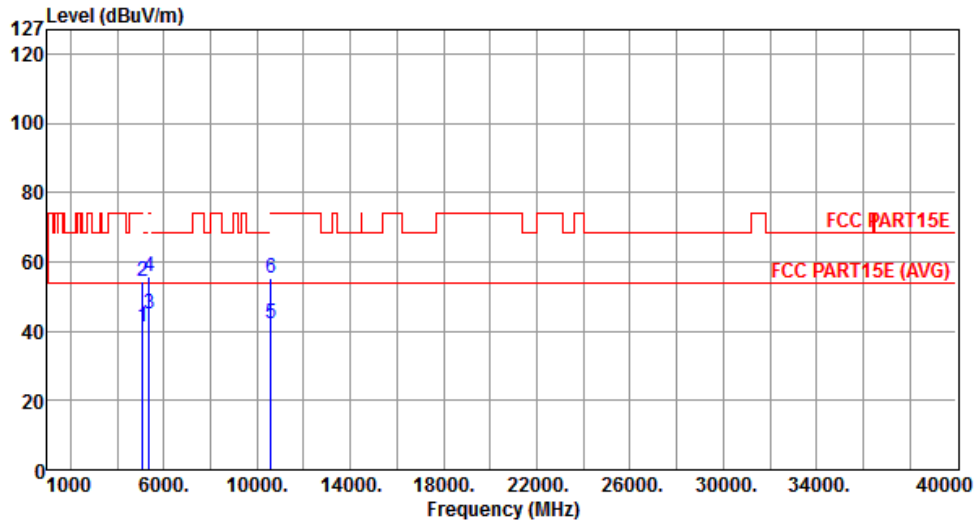
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.17	54.00	-9.83	39.34	4.83	Average	---	---
2	5097.00	58.19	74.00	-15.81	53.36	4.83	Peak	---	---
3	5427.00	46.18	54.00	-7.82	41.04	5.14	Average	---	---
4	5427.00	59.77	74.00	-14.23	54.63	5.14	Peak	---	---
5	10520.00	55.86	68.30	-12.44	40.99	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	1



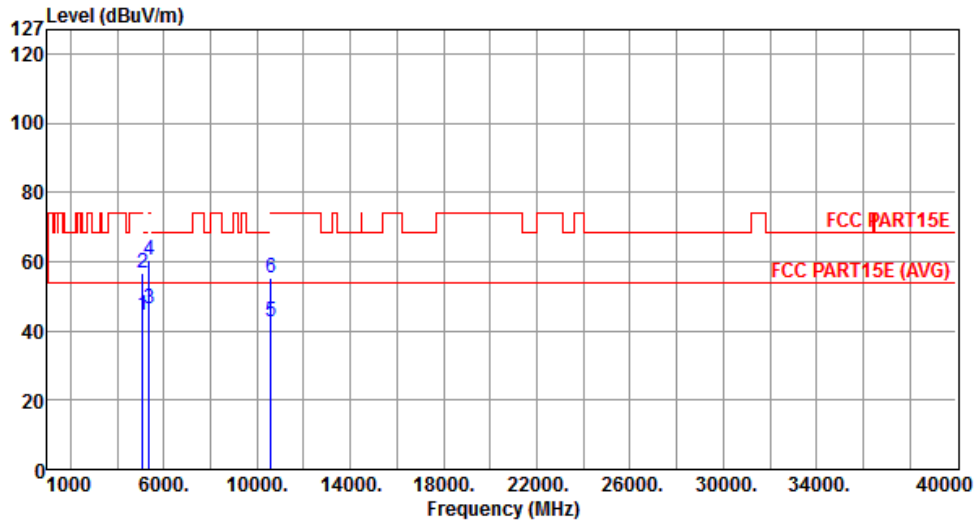
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.35	54.00	-12.65	36.52	4.83	Average	---	---
2	5097.00	54.14	74.00	-19.86	49.31	4.83	Peak	---	---
3	5350.00	45.01	54.00	-8.99	39.92	5.09	Average	---	---
4	5350.00	55.64	74.00	-18.36	50.55	5.09	Peak	---	---
5	10600.00	42.20	54.00	-11.80	27.26	14.94	Average	---	---
6	10600.00	55.32	74.00	-18.68	40.38	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	1



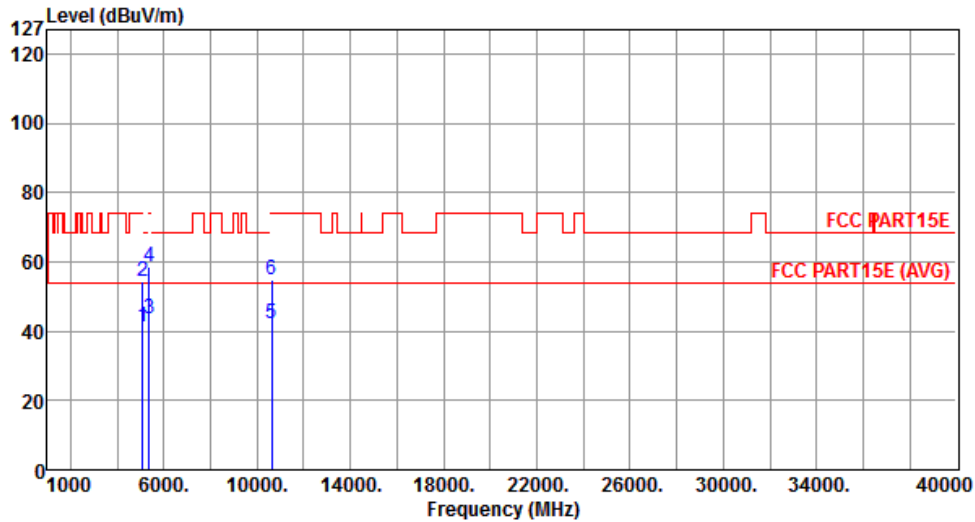
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.52	54.00	-9.48	39.69	4.83	Average	---	---
2	5097.00	56.82	74.00	-17.18	51.99	4.83	Peak	---	---
3	5350.00	46.58	54.00	-7.42	41.49	5.09	Average	---	---
4	5350.00	60.56	74.00	-13.44	55.47	5.09	Peak	---	---
5	10600.00	42.42	54.00	-11.58	27.48	14.94	Average	---	---
6	10600.00	55.31	74.00	-18.69	40.37	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	1



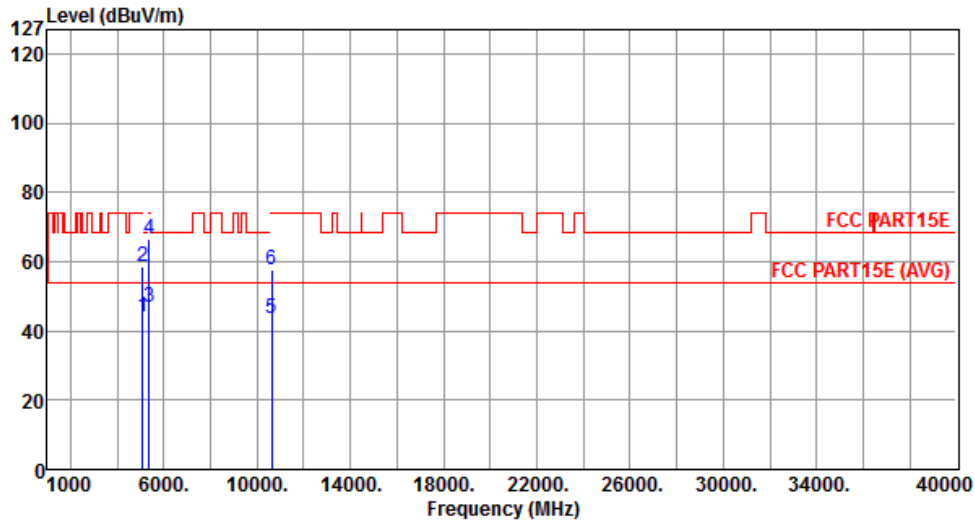
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.34	54.00	-12.66	36.51	4.83	Average	---	---
2	5097.00	54.19	74.00	-19.81	49.36	4.83	Peak	---	---
3	5350.00	43.49	54.00	-10.51	38.40	5.09	Average	---	---
4	5350.00	58.57	74.00	-15.43	53.48	5.09	Peak	---	---
5	10640.00	42.11	54.00	-11.89	27.13	14.98	Average	---	---
6	10640.00	55.06	74.00	-18.94	40.08	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	1



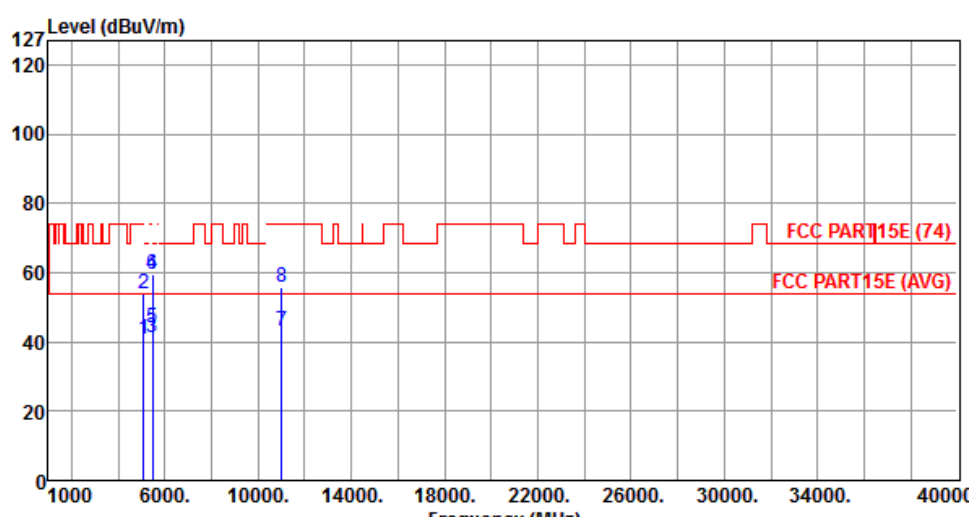
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.93	54.00	-10.07	39.10	4.83	Average	---	---
2	5097.00	58.40	74.00	-15.60	53.57	4.83	Peak	---	---
3	5350.00	46.94	54.00	-7.06	41.85	5.09	Average	---	---
4	5350.00	66.68	74.00	-7.32	61.59	5.09	Peak	---	---
5	10640.00	43.50	54.00	-10.50	28.52	14.98	Average	---	---
6	10640.00	57.61	74.00	-16.39	42.63	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

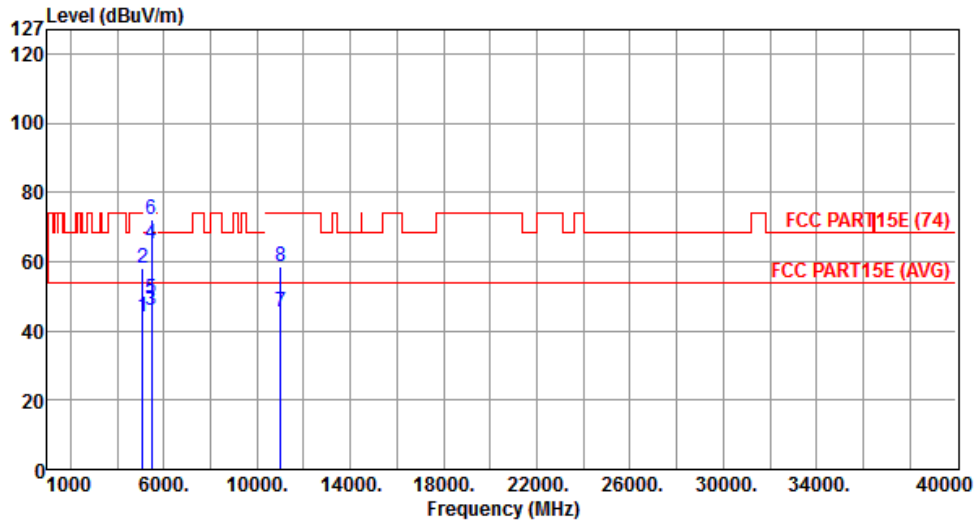
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	40.95	54.00	-13.05	36.12	4.83	Average	---	---
2	5097.00	54.11	74.00	-19.89	49.28	4.83	Peak	---	---
3	5460.00	41.47	54.00	-12.53	36.29	5.18	Average	---	---
4	5460.00	59.29	74.00	-14.71	54.11	5.18	Peak	---	---
5	5470.00	44.22	54.00	-9.78	39.03	5.19	Average	---	---
6	5470.00	59.47	74.00	-14.53	54.28	5.19	Peak	---	---
7	11000.00	42.96	54.00	-11.04	27.68	15.28	Average	---	---
8	11000.00	55.91	74.00	-18.09	40.63	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



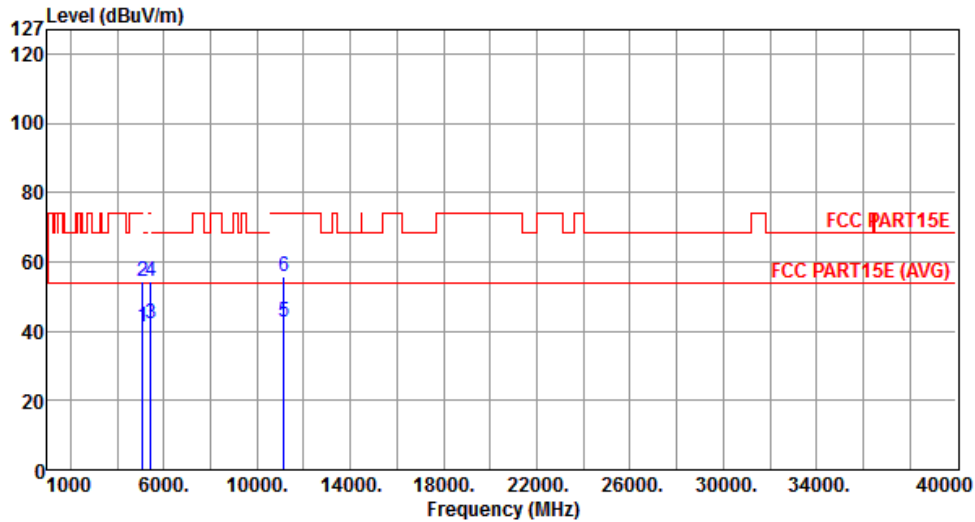
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.10	54.00	-9.90	39.27	4.83	Average	---	---
2	5097.00	58.08	74.00	-15.92	53.25	4.83	Peak	---	---
3	5460.00	46.02	54.00	-7.98	40.84	5.18	Average	---	---
4	5460.00	65.37	74.00	-8.63	60.19	5.18	Peak	---	---
5	5470.00	49.12	54.00	-4.88	43.93	5.19	Average	---	---
6	5470.00	72.29	74.00	-1.71	67.10	5.19	Peak	---	---
7	11000.00	45.43	54.00	-8.57	30.15	15.28	Average	---	---
8	11000.00	58.63	74.00	-15.37	43.35	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	1



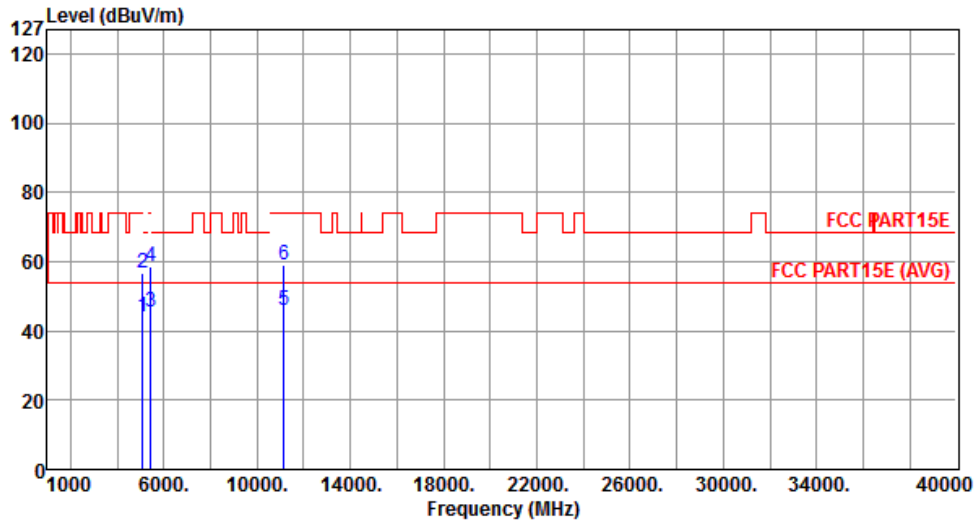
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.05	54.00	-12.95	36.22	4.83	Average	---	---
2	5097.00	54.28	74.00	-19.72	49.45	4.83	Peak	---	---
3	5427.00	42.03	54.00	-11.97	36.89	5.14	Average	---	---
4	5427.00	54.56	74.00	-19.44	49.42	5.14	Peak	---	---
5	11160.00	42.60	54.00	-11.40	27.42	15.18	Average	---	---
6	11160.00	55.55	74.00	-18.45	40.37	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	1



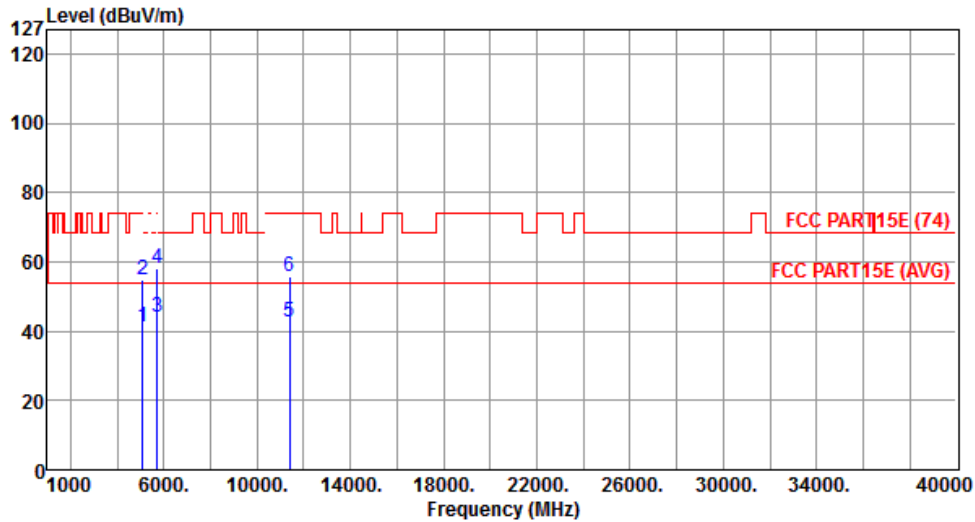
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.97	54.00	-10.03	39.14	4.83	Average	---	---
2	5097.00	56.81	74.00	-17.19	51.98	4.83	Peak	---	---
3	5427.00	45.34	54.00	-8.66	40.20	5.14	Average	---	---
4	5427.00	58.35	74.00	-15.65	53.21	5.14	Peak	---	---
5	11160.00	46.06	54.00	-7.94	30.88	15.18	Average	---	---
6	11160.00	58.89	74.00	-15.11	43.71	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	1



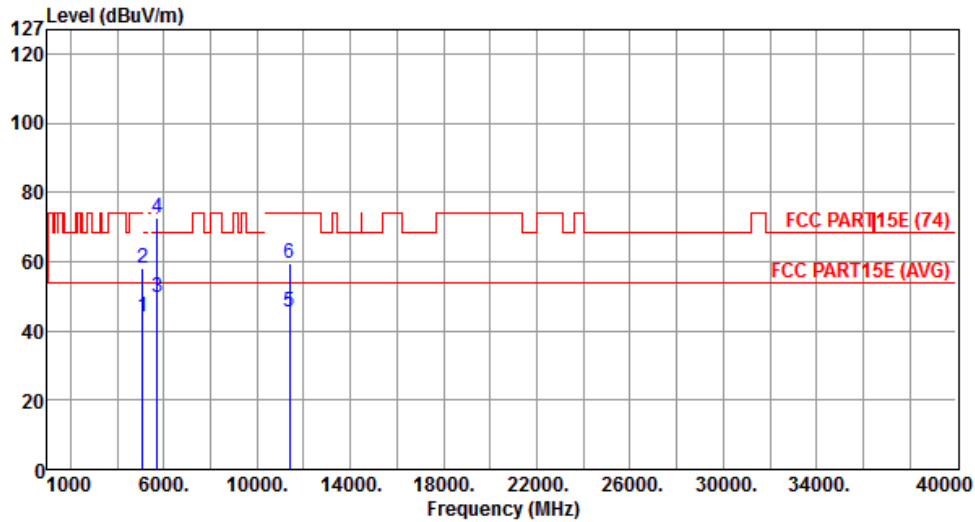
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.03	54.00	-12.97	36.20	4.83	Average	---	---
2	5097.00	54.61	74.00	-19.39	49.78	4.83	Peak	---	---
3	5725.00	44.28	54.00	-9.72	38.72	5.56	Average	---	---
4	5725.00	58.26	74.00	-15.74	52.70	5.56	Peak	---	---
5	11400.00	42.48	54.00	-11.52	27.45	15.03	Average	---	---
6	11400.00	55.71	74.00	-18.29	40.68	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	1



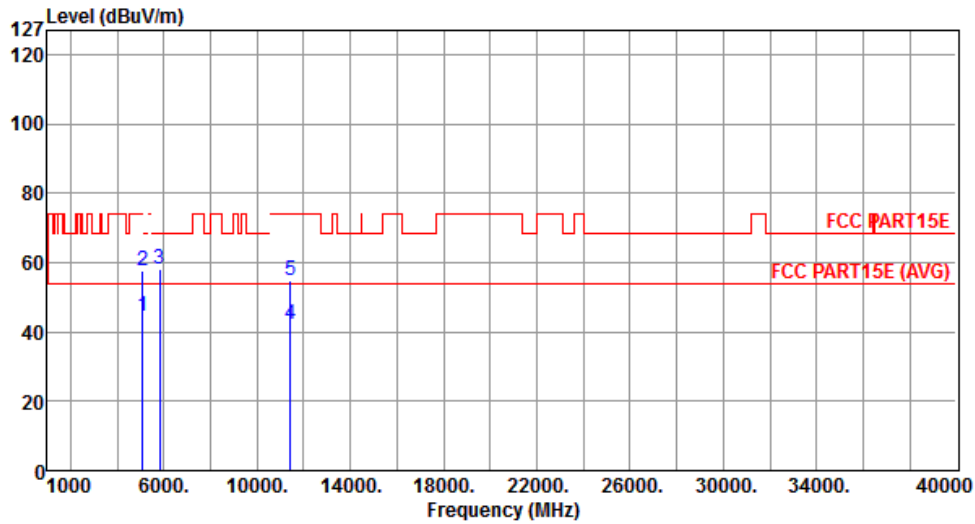
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.08	54.00	-9.92	39.25	4.83	Average	---	---
2	5097.00	58.00	74.00	-16.00	53.17	4.83	Peak	---	---
3	5725.00	49.81	54.00	-4.19	44.25	5.56	Average	---	---
4	5725.00	72.84	74.00	-1.16	67.28	5.56	Peak	---	---
5	11400.00	45.62	54.00	-8.38	30.59	15.03	Average	---	---
6	11400.00	59.55	74.00	-14.45	44.52	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	1



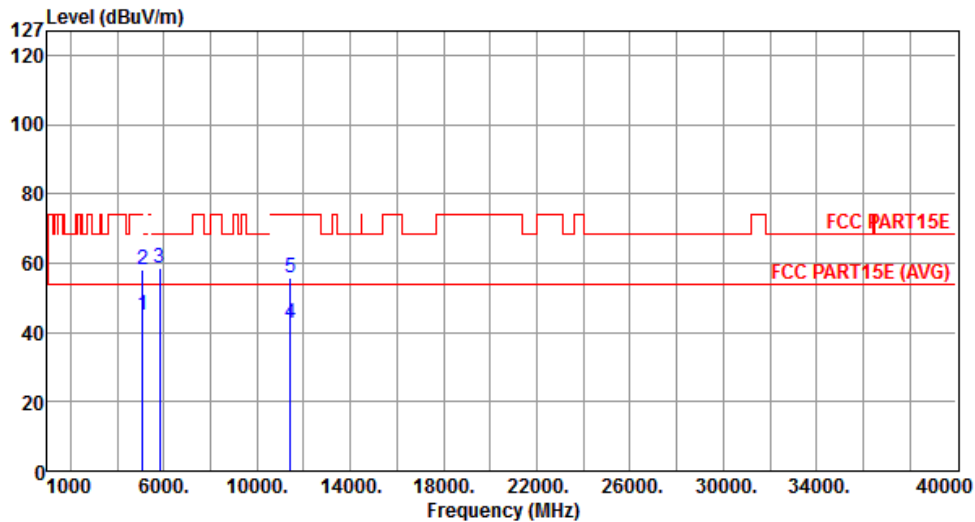
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.64	54.00	-9.36	39.15	5.49	Average	---	---
2	5097.00	57.86	74.00	-16.14	52.37	5.49	Peak	---	---
3	5825.00	57.99	68.20	-10.21	52.37	5.62	Peak	---	---
4	11440.00	42.21	54.00	-11.79	27.55	14.66	Average	---	---
5	11440.00	55.04	74.00	-18.96	40.38	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	1



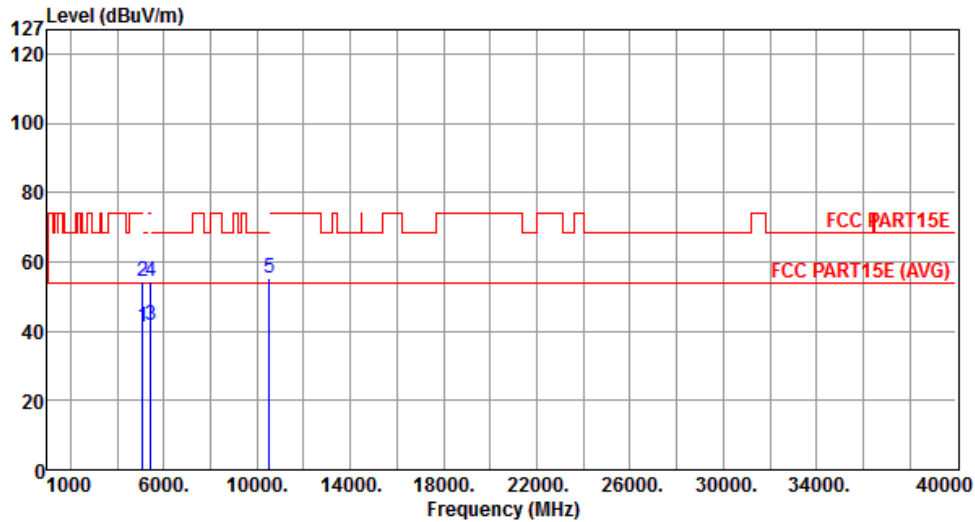
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.12	54.00	-8.88	39.63	5.49	Average	---	---
2	5097.00	57.97	74.00	-16.03	52.48	5.49	Peak	---	---
3	5825.00	58.36	68.20	-9.84	52.74	5.62	Peak	---	---
4	11440.00	42.51	54.00	-11.49	27.85	14.66	Average	---	---
5	11440.00	55.65	74.00	-18.35	40.99	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	2



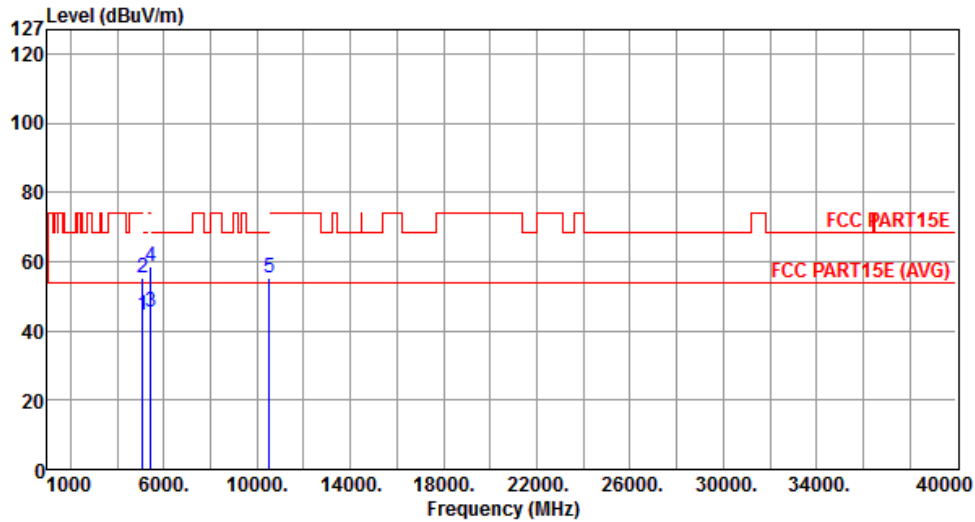
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.42	54.00	-12.58	36.59	4.83	Average	---	---
2	5097.00	54.55	74.00	-19.45	49.72	4.83	Peak	---	---
3	5427.00	41.54	54.00	-12.46	36.40	5.14	Average	---	---
4	5427.00	54.36	74.00	-19.64	49.22	5.14	Peak	---	---
5	10520.00	55.29	68.30	-13.01	40.42	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	2



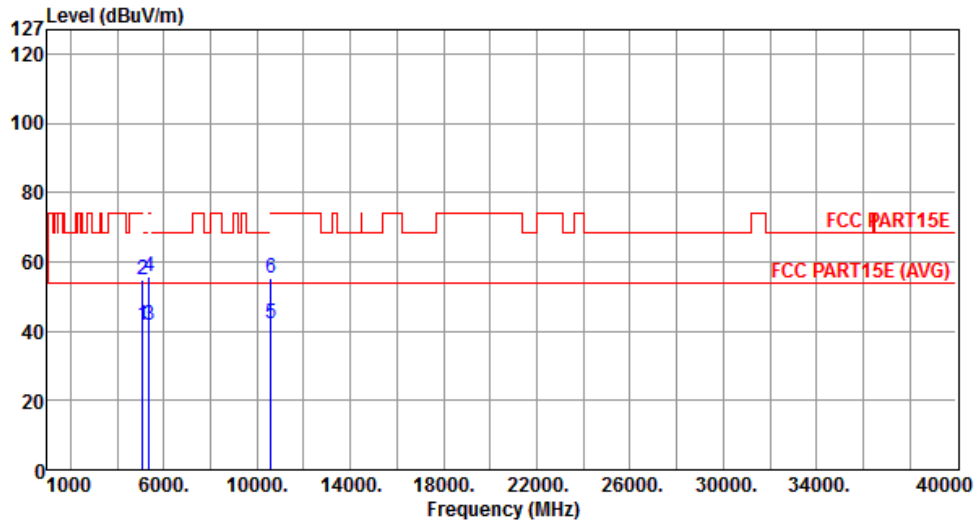
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.44	54.00	-9.56	39.61	4.83	Average	---	---
2	5097.00	55.07	74.00	-18.93	50.24	4.83	Peak	---	---
3	5427.00	45.36	54.00	-8.64	40.22	5.14	Average	---	---
4	5427.00	58.68	74.00	-15.32	53.54	5.14	Peak	---	---
5	10520.00	55.14	68.30	-13.16	40.27	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	2



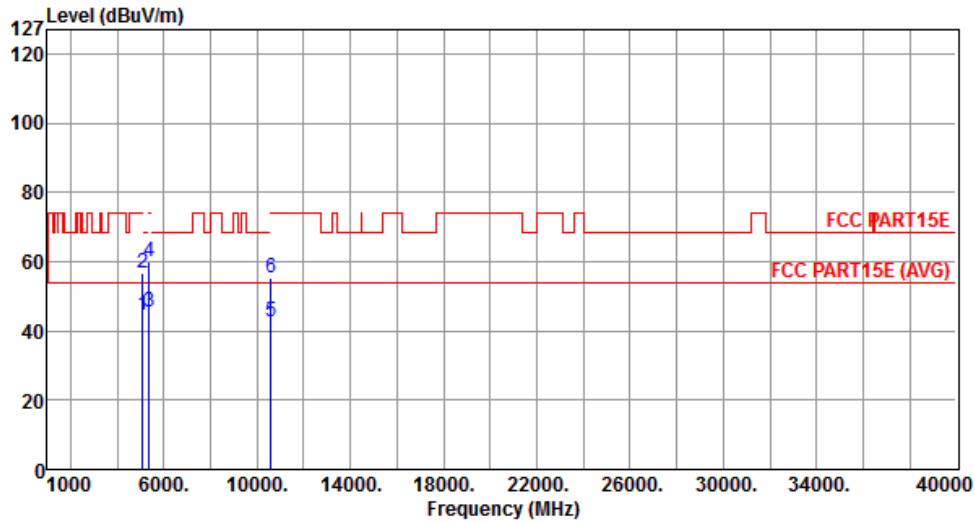
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.56	54.00	-12.44	36.73	4.83	Average	---	---
2	5097.00	54.85	74.00	-19.15	50.02	4.83	Peak	---	---
3	5350.00	41.85	54.00	-12.15	36.76	5.09	Average	---	---
4	5350.00	55.81	74.00	-18.19	50.72	5.09	Peak	---	---
5	10600.00	42.36	54.00	-11.64	27.42	14.94	Average	---	---
6	10600.00	55.32	74.00	-18.68	40.38	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	2



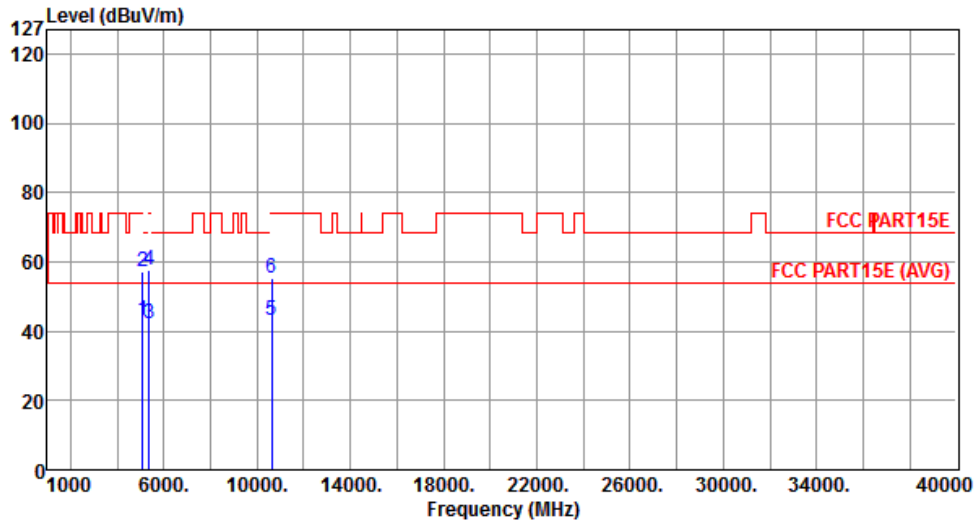
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.69	54.00	-9.31	39.86	4.83	Average	---	---
2	5097.00	56.90	74.00	-17.10	52.07	4.83	Peak	---	---
3	5350.00	45.49	54.00	-8.51	40.40	5.09	Average	---	---
4	5350.00	59.94	74.00	-14.06	54.85	5.09	Peak	---	---
5	10600.00	42.49	54.00	-11.51	27.55	14.94	Average	---	---
6	10600.00	55.31	74.00	-18.69	40.37	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	2



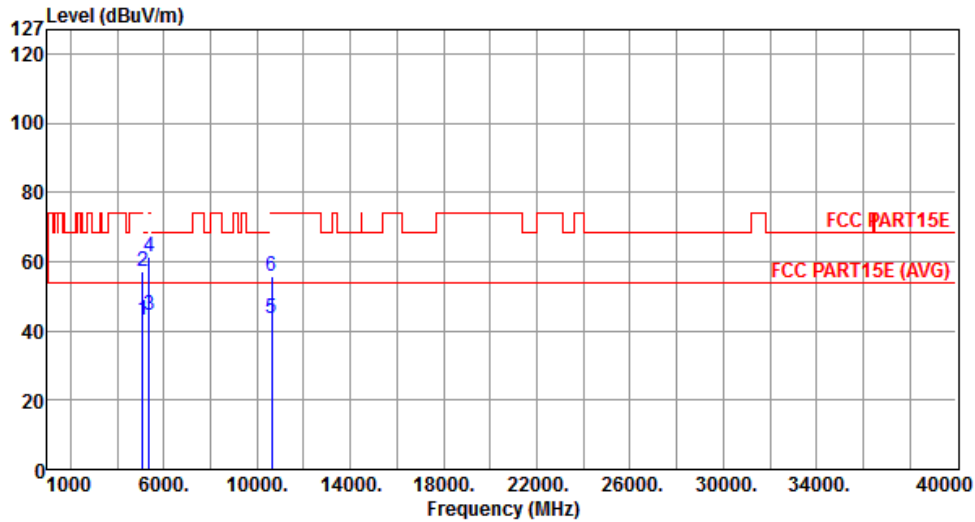
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.26	54.00	-10.74	38.43	4.83	Average	---	---
2	5097.00	56.97	74.00	-17.03	52.14	4.83	Peak	---	---
3	5350.00	42.30	54.00	-11.70	37.21	5.09	Average	---	---
4	5350.00	57.57	74.00	-16.43	52.48	5.09	Peak	---	---
5	10640.00	43.19	54.00	-10.81	28.21	14.98	Average	---	---
6	10640.00	55.37	74.00	-18.63	40.39	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	2



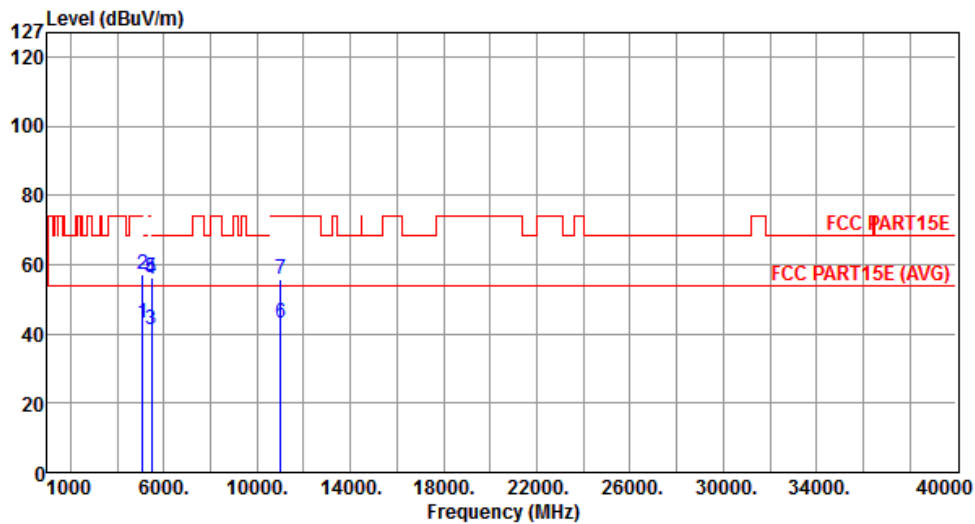
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.34	54.00	-10.66	38.51	4.83	Average	---	---
2	5097.00	57.15	74.00	-16.85	52.32	4.83	Peak	---	---
3	5350.00	44.31	54.00	-9.69	39.22	5.09	Average	---	---
4	5350.00	61.21	74.00	-12.79	56.12	5.09	Peak	---	---
5	10640.00	43.41	54.00	-10.59	28.43	14.98	Average	---	---
6	10640.00	55.93	74.00	-18.07	40.95	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	2



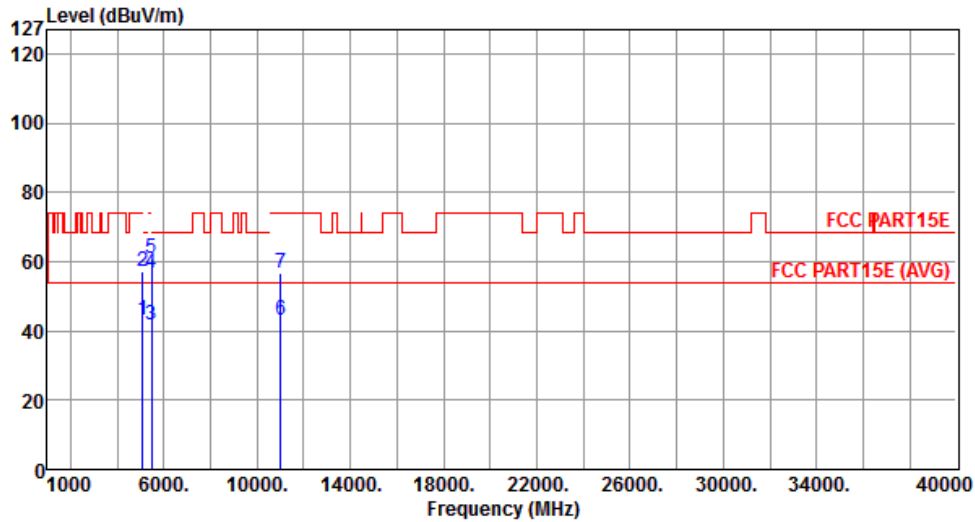
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.24	54.00	-10.76	38.41	4.83	Average	---	---
2	5097.00	57.31	74.00	-16.69	52.48	4.83	Peak	---	---
3	5460.00	41.30	54.00	-12.70	36.12	5.18	Average	---	---
4	5460.00	55.66	74.00	-18.34	50.48	5.18	Peak	---	---
5	5470.00	56.45	68.30	-11.85	51.26	5.19	Peak	---	---
6	11000.00	42.94	54.00	-11.06	27.66	15.28	Average	---	---
7	11000.00	55.65	74.00	-18.35	40.37	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	2



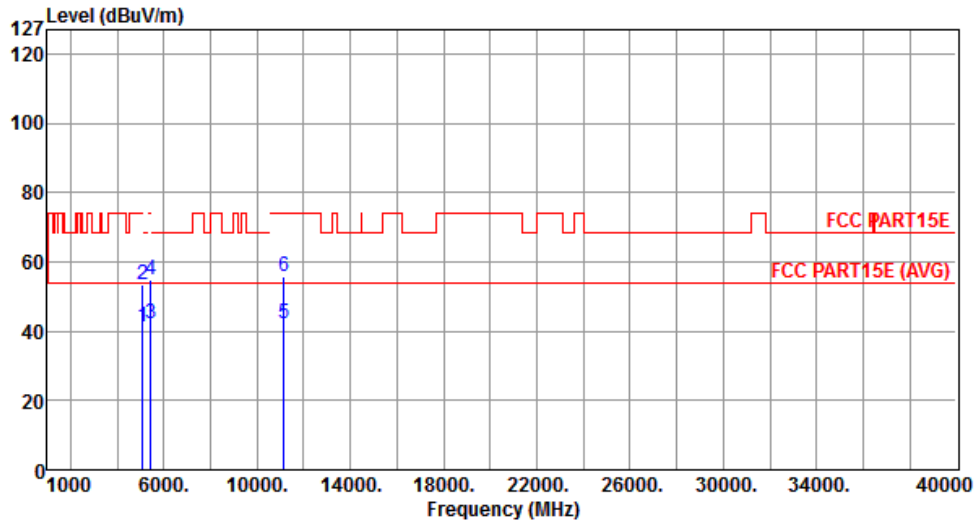
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.26	54.00	-10.74	38.43	4.83	Average	---	---
2	5097.00	57.30	74.00	-16.70	52.47	4.83	Peak	---	---
3	5460.00	41.73	54.00	-12.27	36.55	5.18	Average	---	---
4	5460.00	56.62	74.00	-17.38	51.44	5.18	Peak	---	---
5	5470.00	61.03	68.30	-7.27	55.84	5.19	Peak	---	---
6	11000.00	43.07	54.00	-10.93	27.79	15.28	Average	---	---
7	11000.00	56.63	74.00	-17.37	41.35	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	2



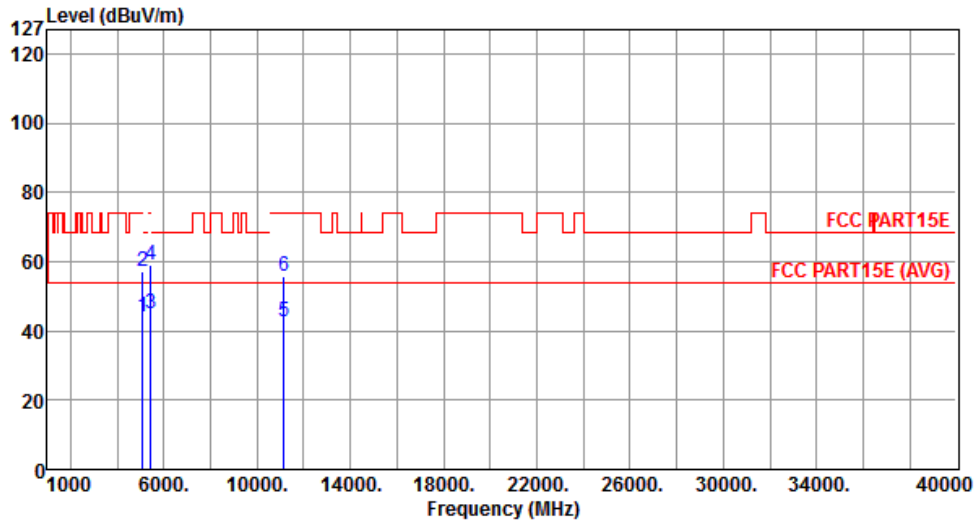
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.40	54.00	-12.60	36.57	4.83	Average	---	---
2	5097.00	53.37	74.00	-20.63	48.54	4.83	Peak	---	---
3	5427.00	42.25	54.00	-11.75	37.11	5.14	Average	---	---
4	5427.00	54.82	74.00	-19.18	49.68	5.14	Peak	---	---
5	11160.00	42.36	54.00	-11.64	27.18	15.18	Average	---	---
6	11160.00	55.73	74.00	-18.27	40.55	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	2



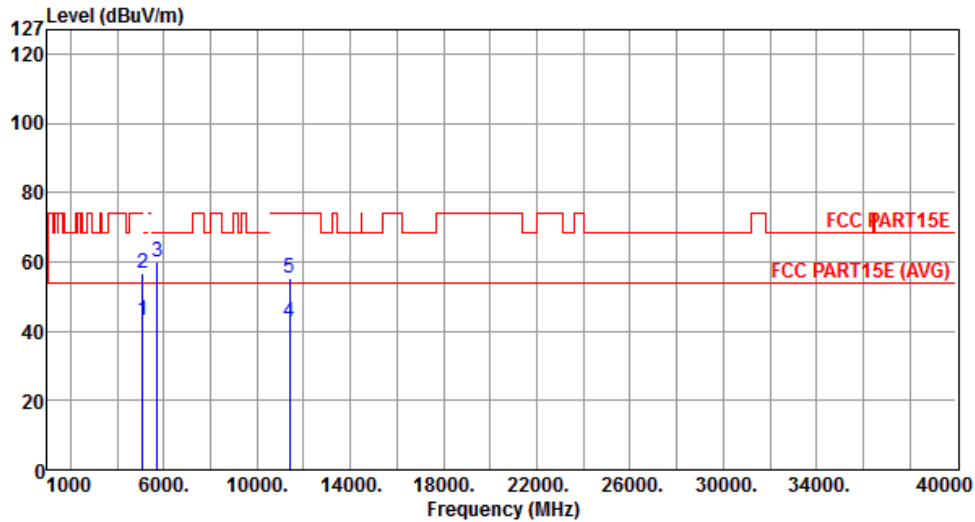
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.16	54.00	-9.84	39.33	4.83	Average	---	---
2	5097.00	57.07	74.00	-16.93	52.24	4.83	Peak	---	---
3	5427.00	45.11	54.00	-8.89	39.97	5.14	Average	---	---
4	5427.00	59.02	74.00	-14.98	53.88	5.14	Peak	---	---
5	11160.00	42.69	54.00	-11.31	27.51	15.18	Average	---	---
6	11160.00	55.64	74.00	-18.36	40.46	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	2



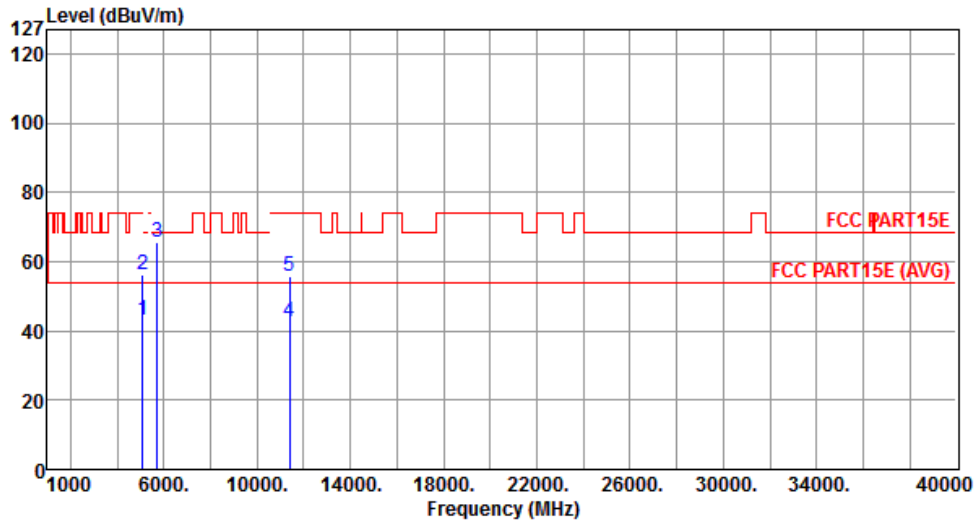
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.31	54.00	-10.69	38.48	4.83	Average	---	---
2	5097.00	56.47	74.00	-17.53	51.64	4.83	Peak	---	---
3	5725.00	59.88	68.30	-8.42	54.32	5.56	Peak	---	---
4	11400.00	42.65	54.00	-11.35	27.62	15.03	Average	---	---
5	11400.00	55.45	74.00	-18.55	40.42	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	2



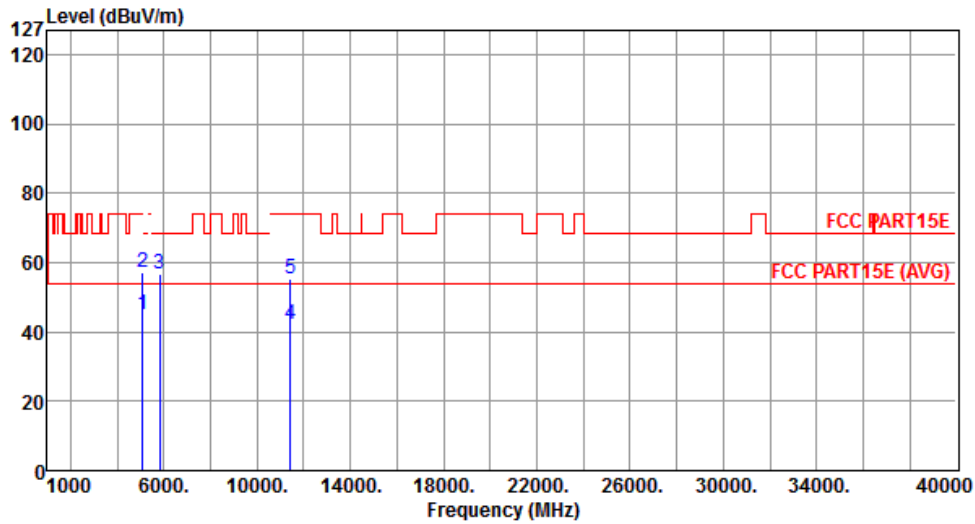
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.03	54.00	-10.97	38.20	4.83	Average	---	---
2	5097.00	56.15	74.00	-17.85	51.32	4.83	Peak	---	---
3	5725.00	65.79	68.30	-2.51	60.23	5.56	Peak	---	---
4	11400.00	42.63	54.00	-11.37	27.60	15.03	Average	---	---
5	11400.00	55.57	74.00	-18.43	40.54	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	2



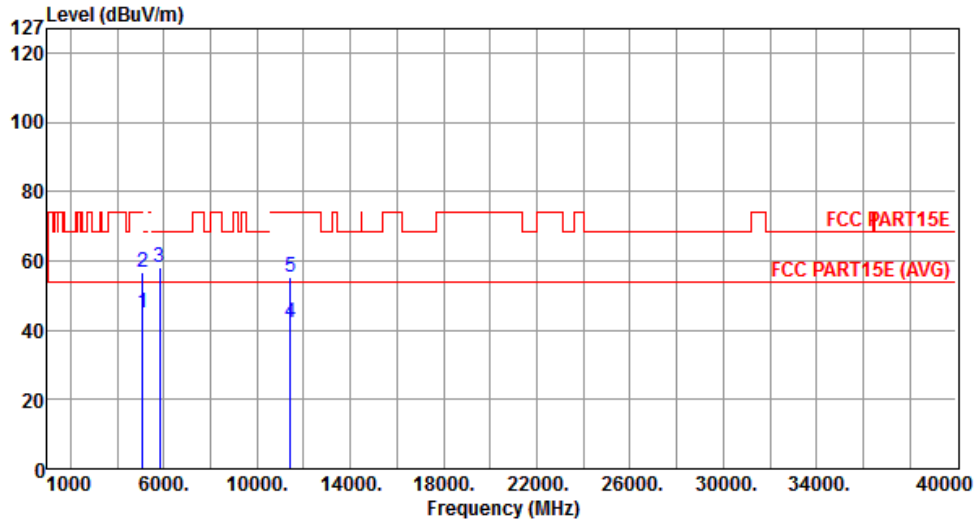
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.02	54.00	-8.98	39.53	5.49	Average	---	---
2	5097.00	56.95	74.00	-17.05	51.46	5.49	Peak	---	---
3	5825.00	56.85	68.20	-11.35	51.23	5.62	Peak	---	---
4	11440.00	42.35	54.00	-11.65	27.69	14.66	Average	---	---
5	11440.00	55.21	74.00	-18.79	40.55	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	2



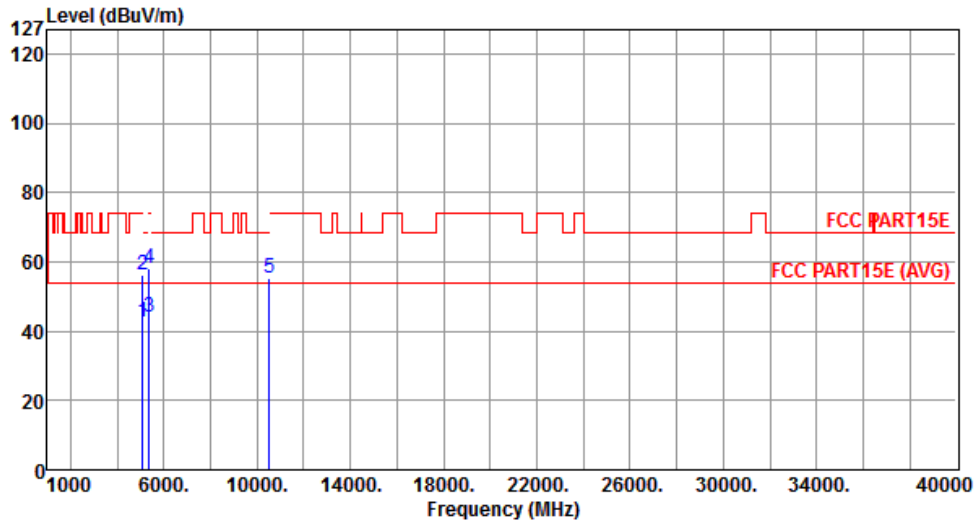
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.01	54.00	-8.99	39.52	5.49	Average	---	---
2	5097.00	56.77	74.00	-17.23	51.28	5.49	Peak	---	---
3	5825.00	58.24	68.20	-9.96	52.62	5.62	Peak	---	---
4	11440.00	42.30	54.00	-11.70	27.64	14.66	Average	---	---
5	11440.00	55.08	74.00	-18.92	40.42	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	3



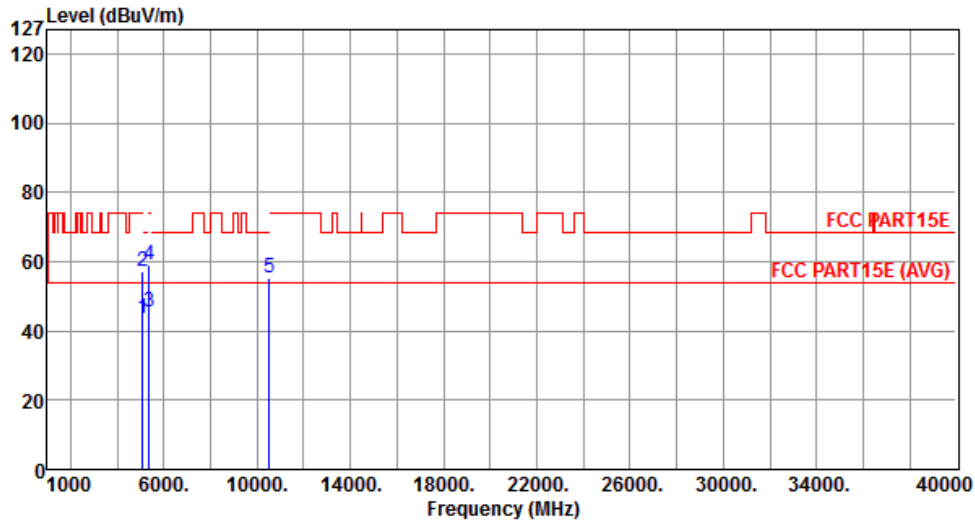
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.67	54.00	-11.33	37.84	4.83	Average	---	---
2	5097.00	56.07	74.00	-17.93	51.24	4.83	Peak	---	---
3	5350.00	43.90	54.00	-10.10	38.81	5.09	Average	---	---
4	5350.00	58.07	74.00	-15.93	52.98	5.09	Peak	---	---
5	10520.00	55.12	68.30	-13.18	40.25	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	3



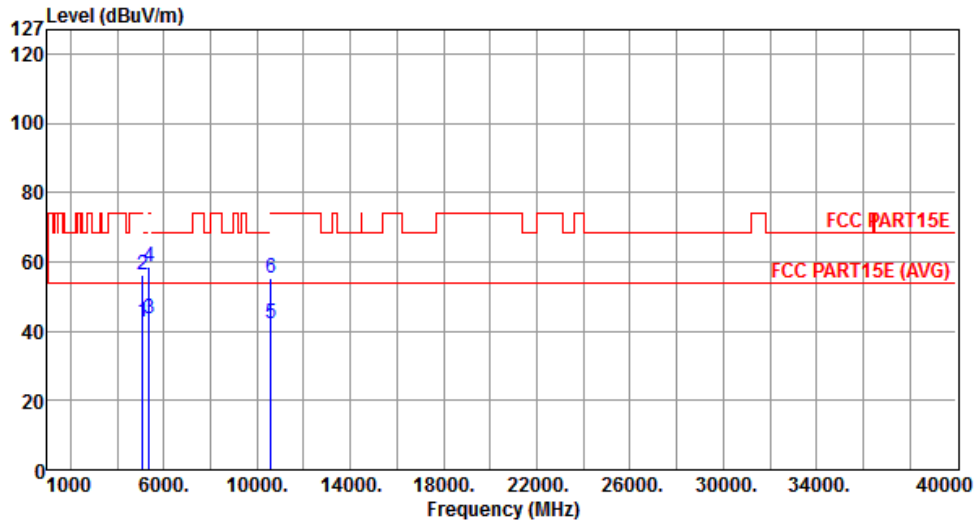
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.55	54.00	-10.45	38.72	4.83	Average	---	---
2	5097.00	57.30	74.00	-16.70	52.47	4.83	Peak	---	---
3	5350.00	45.37	54.00	-8.63	40.28	5.09	Average	---	---
4	5350.00	58.82	74.00	-15.18	53.73	5.09	Peak	---	---
5	10520.00	55.16	68.30	-13.14	40.29	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	3



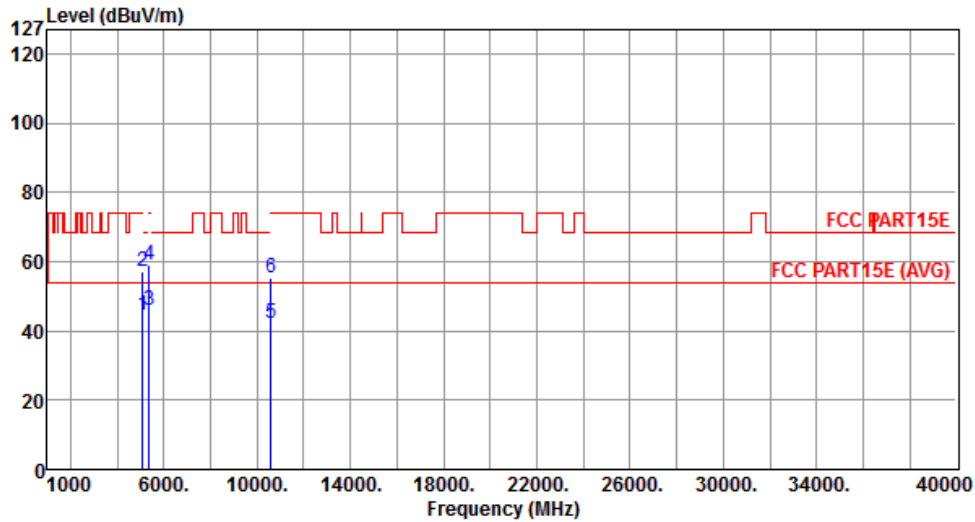
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.67	54.00	-11.33	37.84	4.83	Average	---	---
2	5097.00	56.04	74.00	-17.96	51.21	4.83	Peak	---	---
3	5350.00	43.37	54.00	-10.63	38.28	5.09	Average	---	---
4	5350.00	58.73	74.00	-15.27	53.64	5.09	Peak	---	---
5	10600.00	42.35	54.00	-11.65	27.41	14.94	Average	---	---
6	10600.00	55.09	74.00	-18.91	40.15	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	3



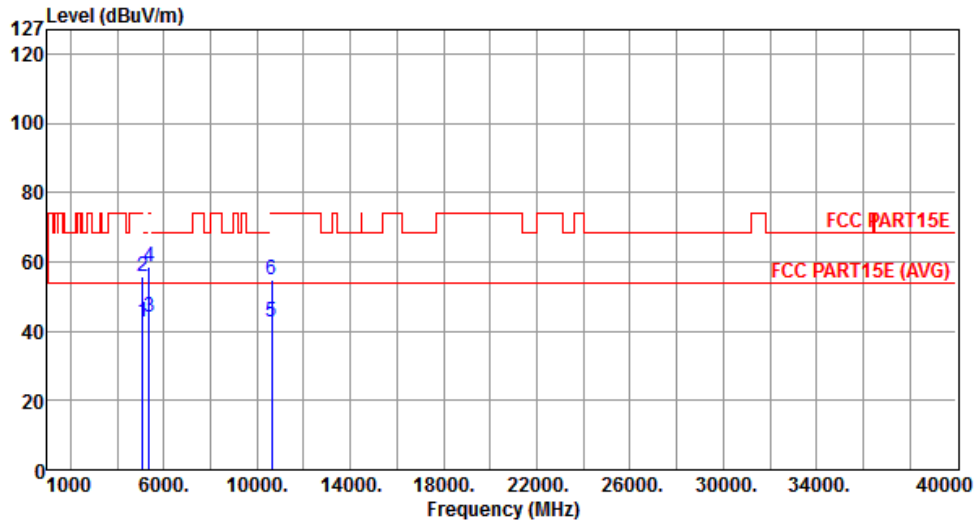
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.67	54.00	-9.33	39.84	4.83	Average	---	---
2	5097.00	57.33	74.00	-16.67	52.50	4.83	Peak	---	---
3	5350.00	45.93	54.00	-8.07	40.84	5.09	Average	---	---
4	5350.00	58.97	74.00	-15.03	53.88	5.09	Peak	---	---
5	10600.00	42.10	54.00	-11.90	27.16	14.94	Average	---	---
6	10600.00	55.31	74.00	-18.69	40.37	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	3



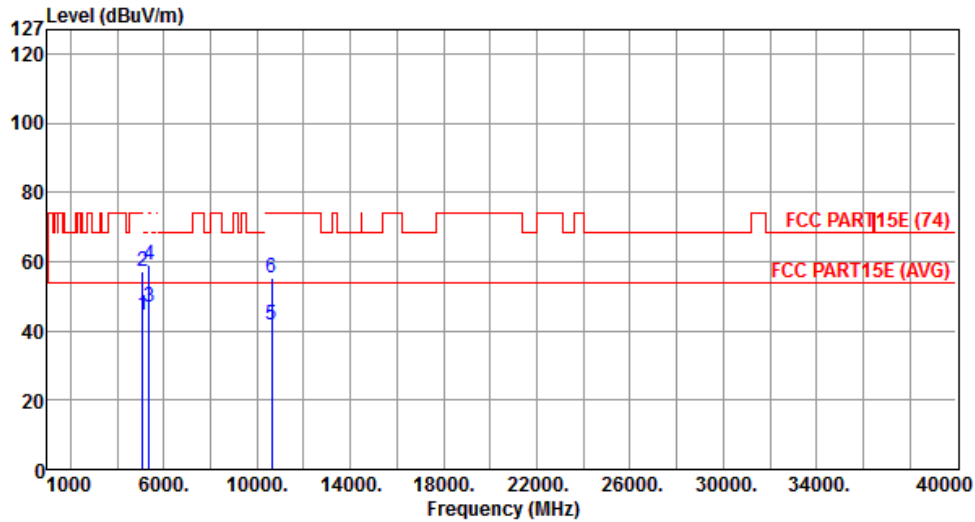
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.73	54.00	-11.27	37.90	4.83	Average	---	---
2	5097.00	55.86	74.00	-18.14	51.03	4.83	Peak	---	---
3	5350.00	43.96	54.00	-10.04	38.87	5.09	Average	---	---
4	5350.00	58.56	74.00	-15.44	53.47	5.09	Peak	---	---
5	10640.00	42.52	54.00	-11.48	27.54	14.98	Average	---	---
6	10640.00	54.97	74.00	-19.03	39.99	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	3



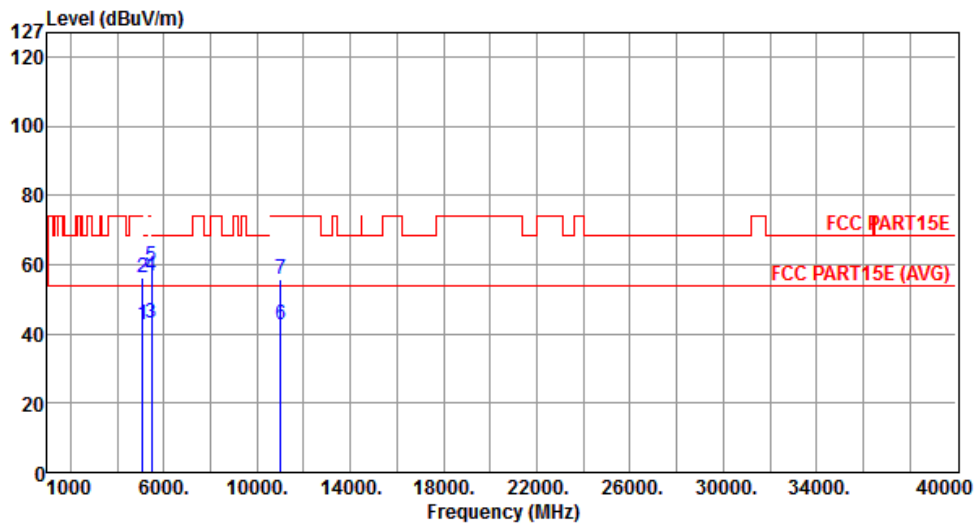
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.59	54.00	-9.41	39.76	4.83	Average	---	---
2	5097.00	57.21	74.00	-16.79	52.38	4.83	Peak	---	---
3	5350.00	46.70	54.00	-7.30	41.61	5.09	Average	---	---
4	5350.00	58.94	74.00	-15.06	53.85	5.09	Peak	---	---
5	10640.00	41.90	54.00	-12.10	26.92	14.98	Average	---	---
6	10640.00	55.37	74.00	-18.63	40.39	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	3



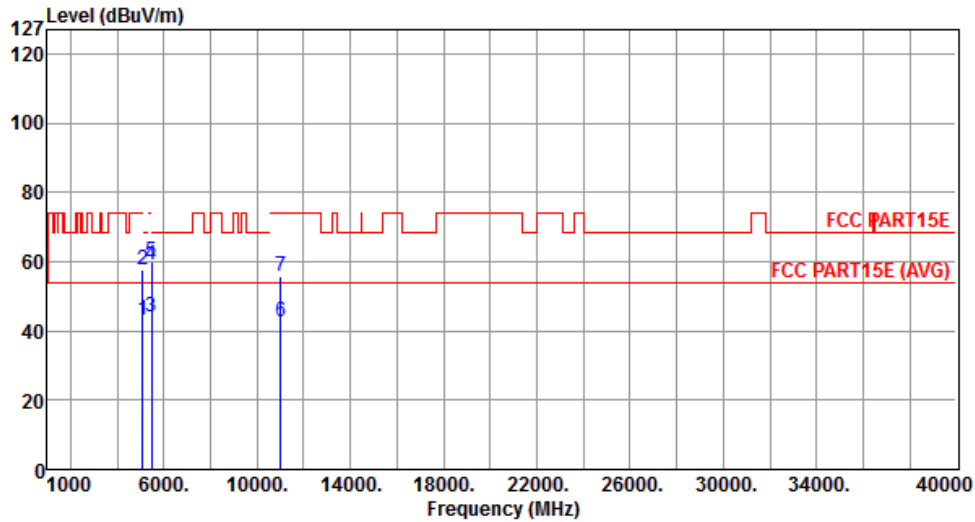
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.47	54.00	-11.53	37.64	4.83	Average	---	---
2	5097.00	56.21	74.00	-17.79	51.38	4.83	Peak	---	---
3	5460.00	43.11	54.00	-10.89	37.93	5.18	Average	---	---
4	5460.00	56.75	74.00	-17.25	51.57	5.18	Peak	---	---
5	5470.00	59.32	68.30	-8.98	54.13	5.19	Peak	---	---
6	11000.00	42.76	54.00	-11.24	27.48	15.28	Average	---	---
7	11000.00	55.96	74.00	-18.04	40.68	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	3



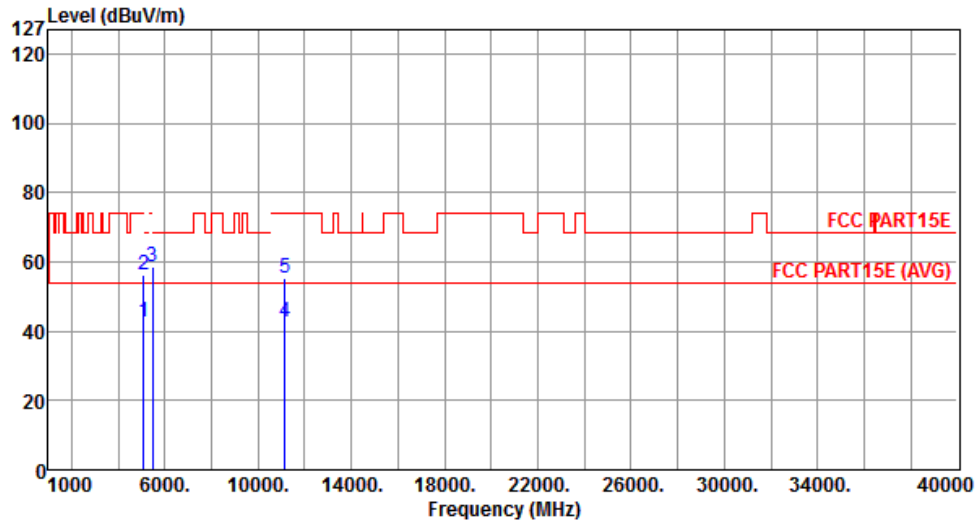
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.33	54.00	-10.67	38.50	4.83	Average	---	---
2	5097.00	57.48	74.00	-16.52	52.65	4.83	Peak	---	---
3	5460.00	44.17	54.00	-9.83	38.99	5.18	Average	---	---
4	5460.00	58.86	74.00	-15.14	53.68	5.18	Peak	---	---
5	5470.00	60.04	68.30	-8.26	54.85	5.19	Peak	---	---
6	11000.00	42.60	54.00	-11.40	27.32	15.28	Average	---	---
7	11000.00	55.58	74.00	-18.42	40.30	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	3



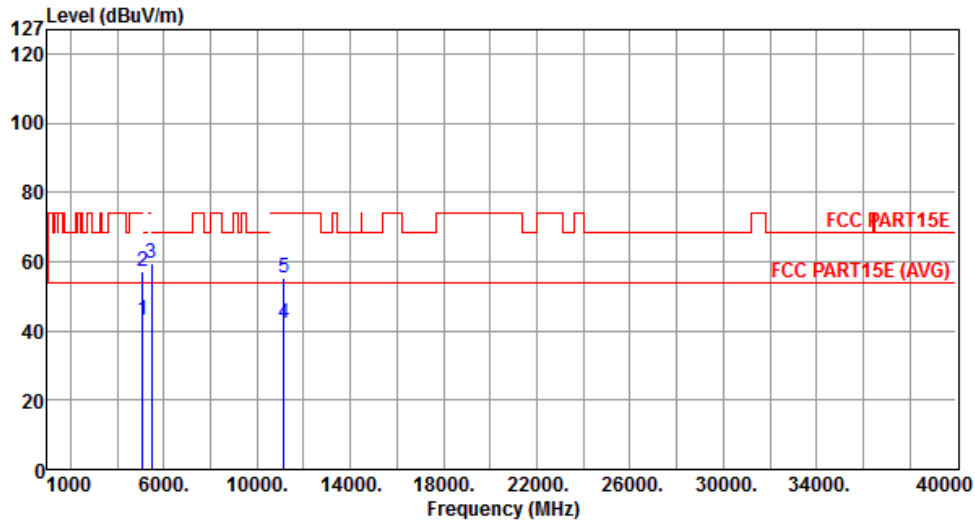
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.44	54.00	-11.56	37.61	4.83	Average	---	---
2	5097.00	56.29	74.00	-17.71	51.46	4.83	Peak	---	---
3	5470.00	58.72	68.30	-9.58	53.53	5.19	Peak	---	---
4	11160.00	42.76	54.00	-11.24	27.58	15.18	Average	---	---
5	11160.00	55.52	74.00	-18.48	40.34	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	3



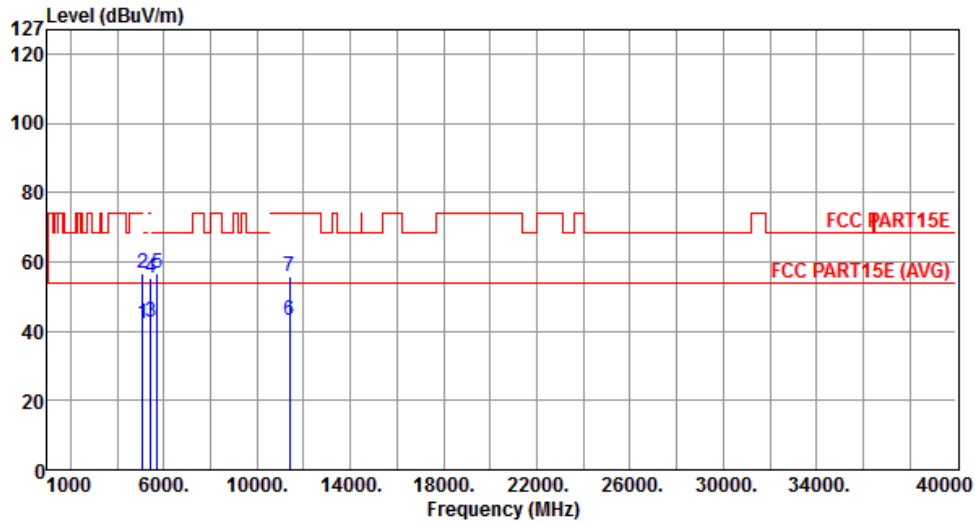
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.05	54.00	-10.95	38.22	4.83	Average	---	---
2	5097.00	57.38	74.00	-16.62	52.55	4.83	Peak	---	---
3	5470.00	59.45	68.30	-8.85	54.26	5.19	Peak	---	---
4	11160.00	42.21	54.00	-11.79	27.03	15.18	Average	---	---
5	11160.00	55.47	74.00	-18.53	40.29	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	3



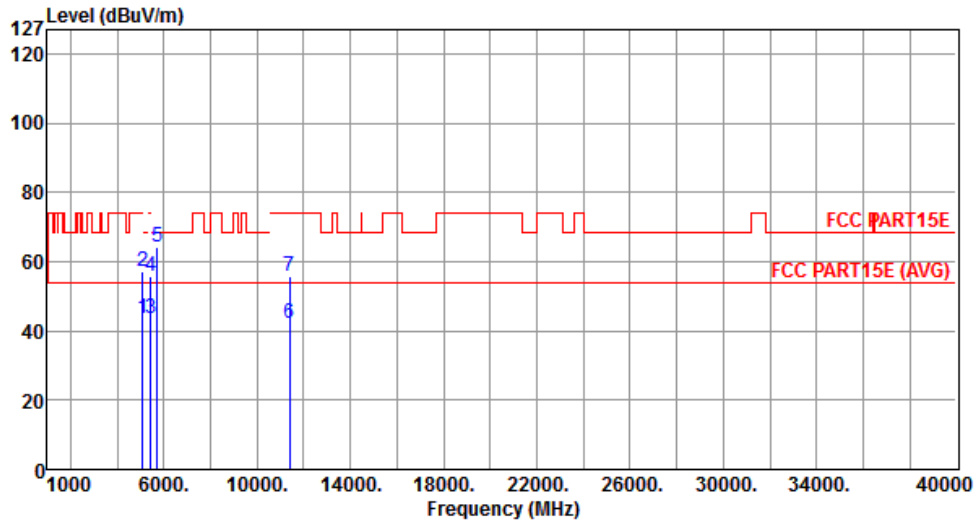
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.24	54.00	-11.76	37.41	4.83	Average	---	---
2	5097.00	56.50	74.00	-17.50	51.67	4.83	Peak	---	---
3	5427.00	42.78	54.00	-11.22	37.64	5.14	Average	---	---
4	5427.00	55.30	74.00	-18.70	50.16	5.14	Peak	---	---
5	5725.00	56.89	68.30	-11.41	51.33	5.56	Peak	---	---
6	11400.00	42.94	54.00	-11.06	27.91	15.03	Average	---	---
7	11400.00	55.85	74.00	-18.15	40.82	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	3



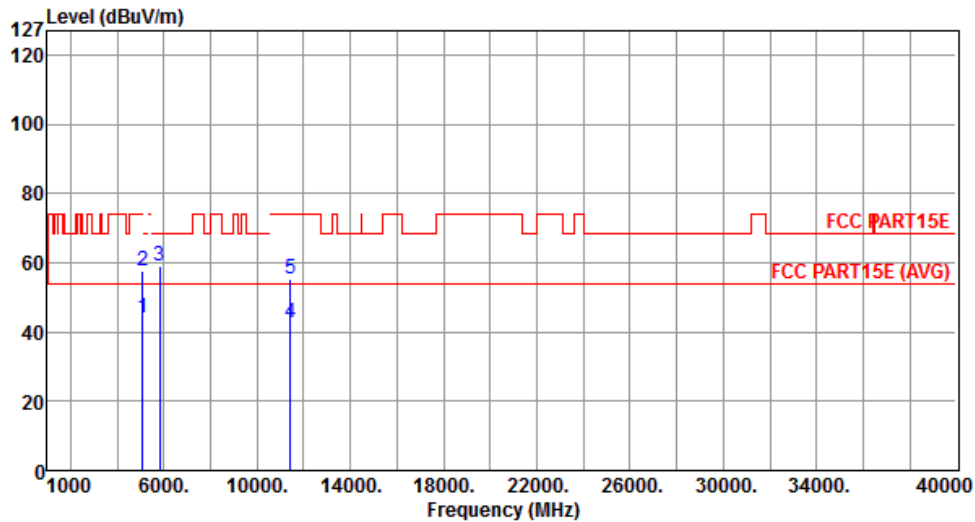
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.45	54.00	-10.55	38.62	4.83	Average	---	---
2	5097.00	57.37	74.00	-16.63	52.54	4.83	Peak	---	---
3	5427.00	43.78	54.00	-10.22	38.64	5.14	Average	---	---
4	5427.00	56.00	74.00	-18.00	50.86	5.14	Peak	---	---
5	5725.00	64.16	68.30	-4.14	58.60	5.56	Peak	---	---
6	11400.00	42.27	54.00	-11.73	27.24	15.03	Average	---	---
7	11400.00	55.54	74.00	-18.46	40.51	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	3



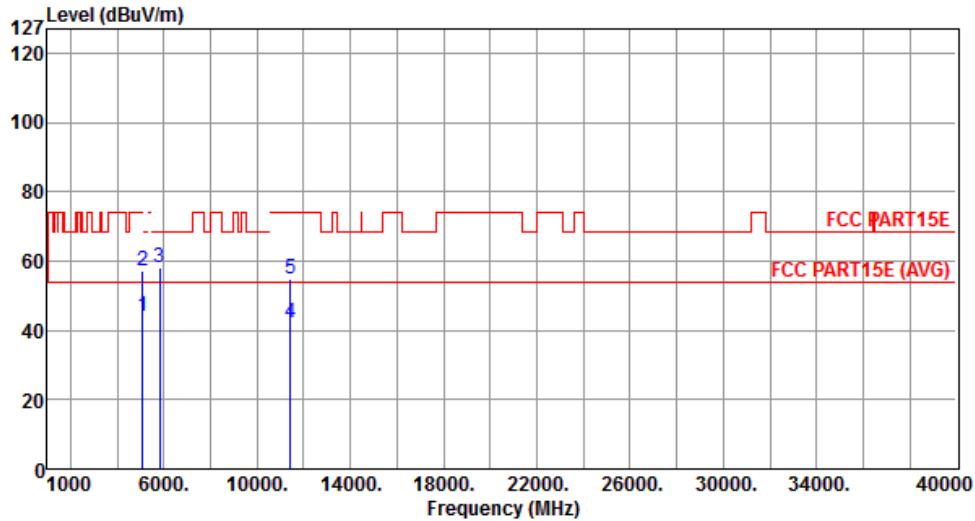
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.12	54.00	-9.88	38.63	5.49	Average	---	---
2	5097.00	57.70	74.00	-16.30	52.21	5.49	Peak	---	---
3	5825.00	59.03	68.20	-9.17	53.41	5.62	Peak	---	---
4	11440.00	42.53	54.00	-11.47	27.87	14.66	Average	---	---
5	11440.00	55.10	74.00	-18.90	40.44	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	3



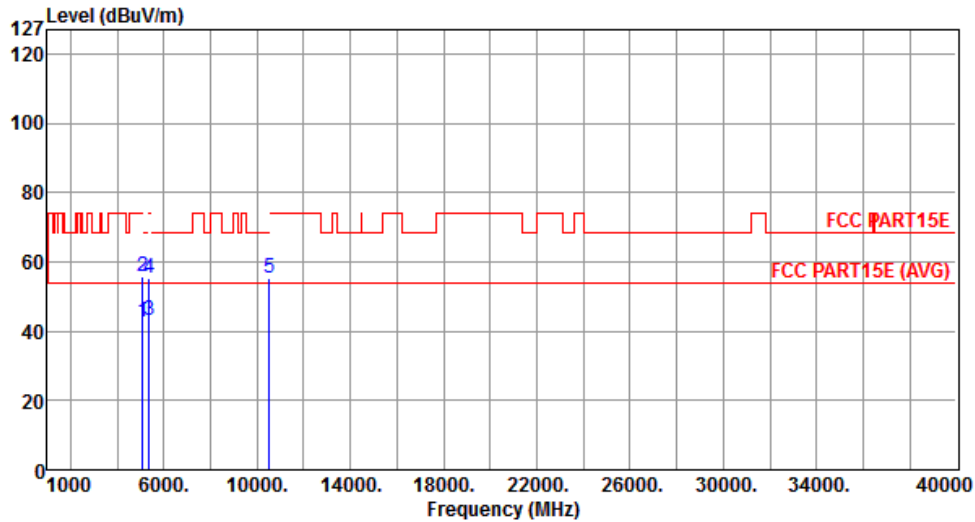
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.04	54.00	-9.96	38.55	5.49	Average	---	---
2	5097.00	57.17	74.00	-16.83	51.68	5.49	Peak	---	---
3	5825.00	57.99	68.20	-10.21	52.37	5.62	Peak	---	---
4	11440.00	42.33	54.00	-11.67	27.67	14.66	Average	---	---
5	11440.00	55.00	74.00	-19.00	40.34	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	4



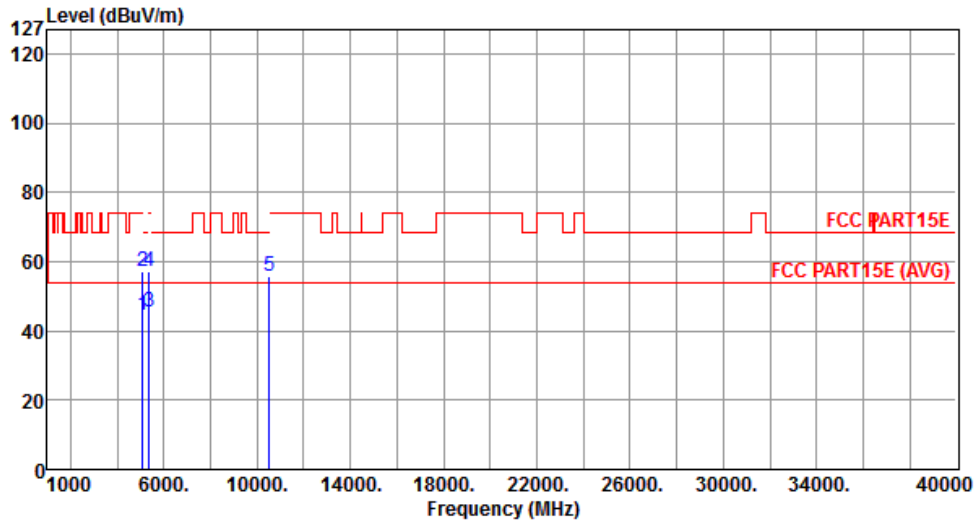
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.81	54.00	-11.19	37.98	4.83	Average	---	---
2	5097.00	55.75	74.00	-18.25	50.92	4.83	Peak	---	---
3	5350.00	42.93	54.00	-11.07	37.84	5.09	Average	---	---
4	5350.00	55.23	74.00	-18.77	50.14	5.09	Peak	---	---
5	10520.00	55.43	68.30	-12.87	40.56	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	4



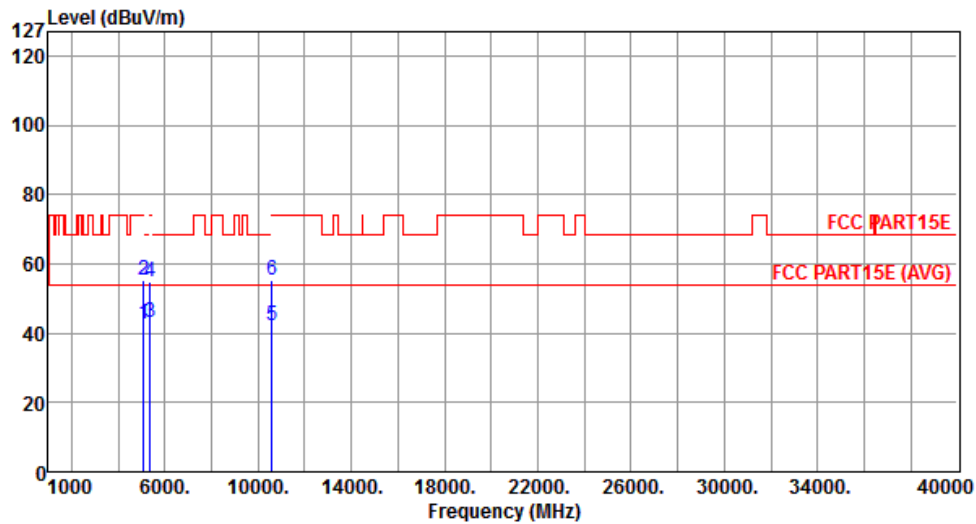
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.75	54.00	-9.25	39.92	4.83	Average	---	---
2	5097.00	57.04	74.00	-16.96	52.21	4.83	Peak	---	---
3	5350.00	45.32	54.00	-8.68	40.23	5.09	Average	---	---
4	5350.00	57.39	74.00	-16.61	52.30	5.09	Peak	---	---
5	10520.00	55.55	68.30	-12.75	40.68	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	4



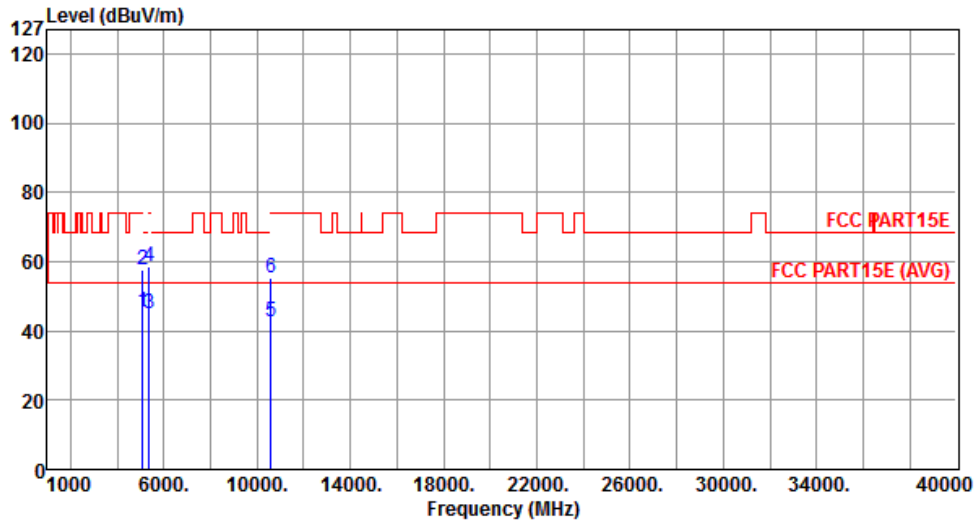
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.52	54.00	-11.48	37.69	4.83	Average	---	---
2	5097.00	55.21	74.00	-18.79	50.38	4.83	Peak	---	---
3	5350.00	42.93	54.00	-11.07	37.84	5.09	Average	---	---
4	5350.00	54.85	74.00	-19.15	49.76	5.09	Peak	---	---
5	10600.00	42.32	54.00	-11.68	27.38	14.94	Average	---	---
6	10600.00	55.46	74.00	-18.54	40.52	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	4



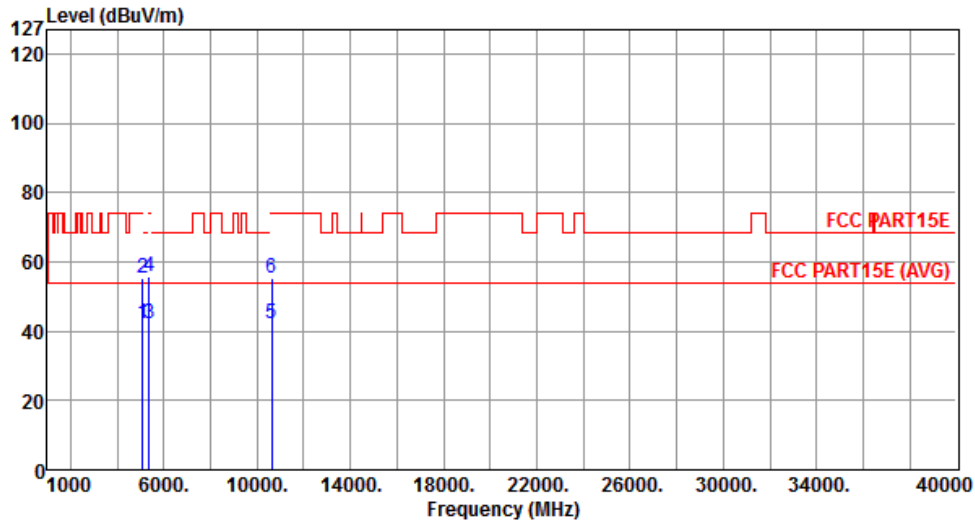
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.36	54.00	-8.64	40.53	4.83	Average	---	---
2	5097.00	57.61	74.00	-16.39	52.78	4.83	Peak	---	---
3	5350.00	45.04	54.00	-8.96	39.95	5.09	Average	---	---
4	5350.00	58.51	74.00	-15.49	53.42	5.09	Peak	---	---
5	10600.00	42.42	54.00	-11.58	27.48	14.94	Average	---	---
6	10600.00	55.31	74.00	-18.69	40.37	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	4



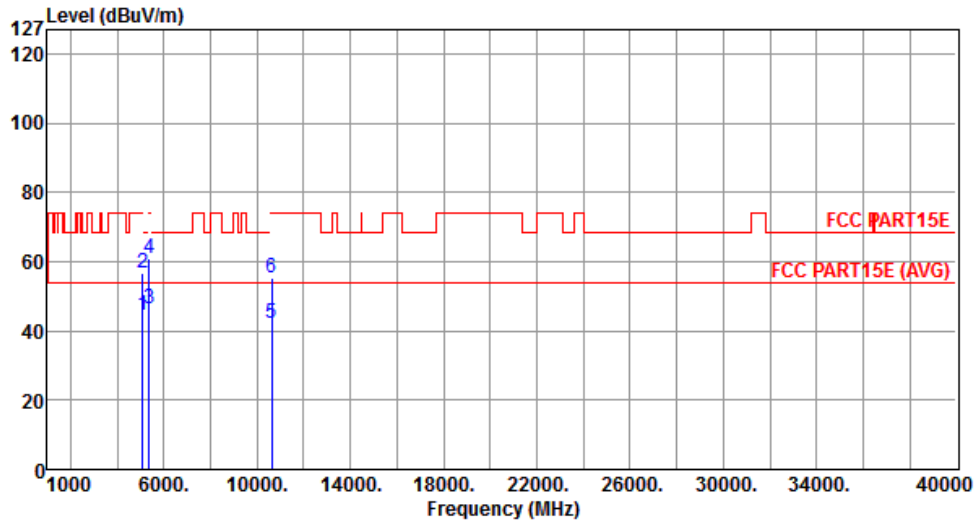
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.03	54.00	-11.97	37.20	4.83	Average	---	---
2	5097.00	55.46	74.00	-18.54	50.63	4.83	Peak	---	---
3	5350.00	42.22	54.00	-11.78	37.13	5.09	Average	---	---
4	5350.00	55.93	74.00	-18.07	50.84	5.09	Peak	---	---
5	10640.00	42.30	54.00	-11.70	27.32	14.98	Average	---	---
6	10640.00	55.26	74.00	-18.74	40.28	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	4



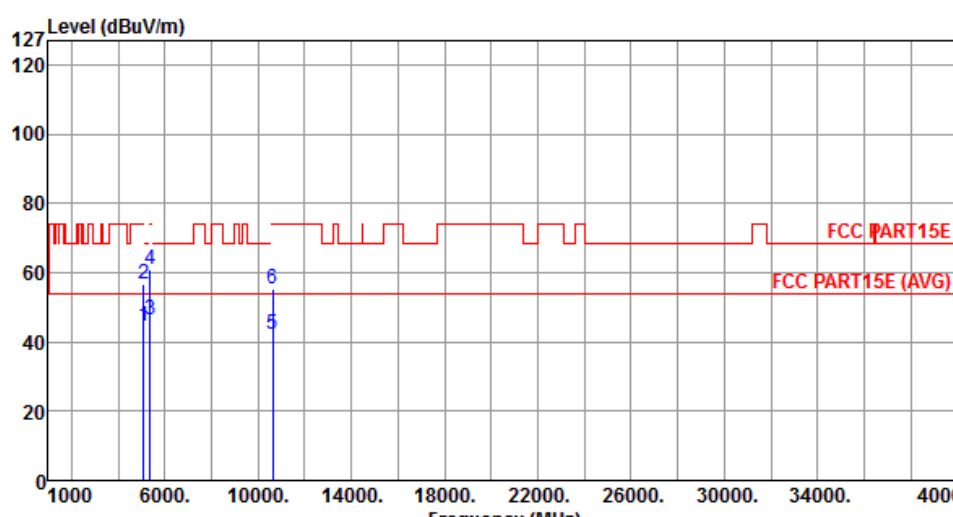
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.67	54.00	-9.33	39.84	4.83	Average	---	---
2	5097.00	56.68	74.00	-17.32	51.85	4.83	Peak	---	---
3	5350.00	46.22	54.00	-7.78	41.13	5.09	Average	---	---
4	5350.00	60.74	74.00	-13.26	55.65	5.09	Peak	---	---
5	10640.00	42.39	54.00	-11.61	27.41	14.98	Average	---	---
6	10640.00	55.44	74.00	-18.56	40.46	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

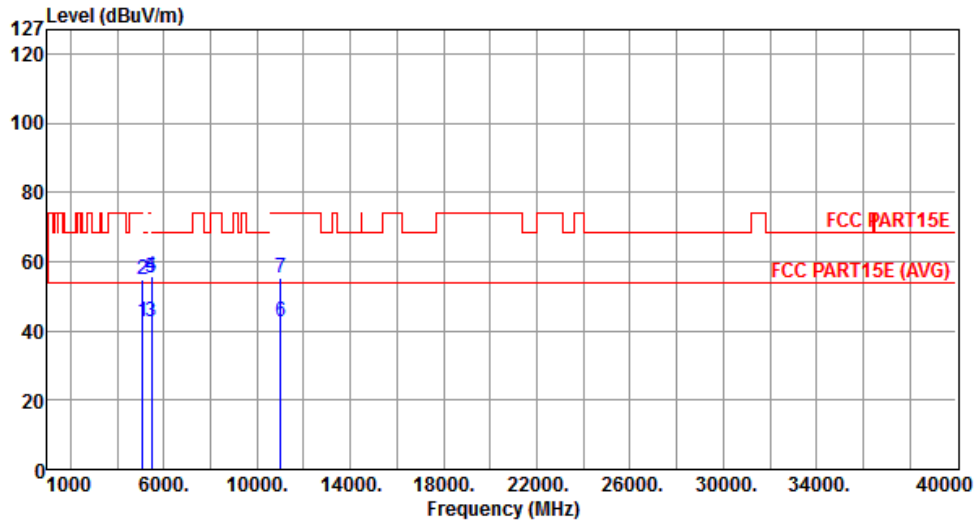
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.67	54.00	-9.33	39.84	4.83	Average	---	---
2	5097.00	56.68	74.00	-17.32	51.85	4.83	Peak	---	---
3	5350.00	46.22	54.00	-7.78	41.13	5.09	Average	---	---
4	5350.00	60.74	74.00	-13.26	55.65	5.09	Peak	---	---
5	10640.00	42.39	54.00	-11.61	27.41	14.98	Average	---	---
6	10640.00	55.44	74.00	-18.56	40.46	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	4



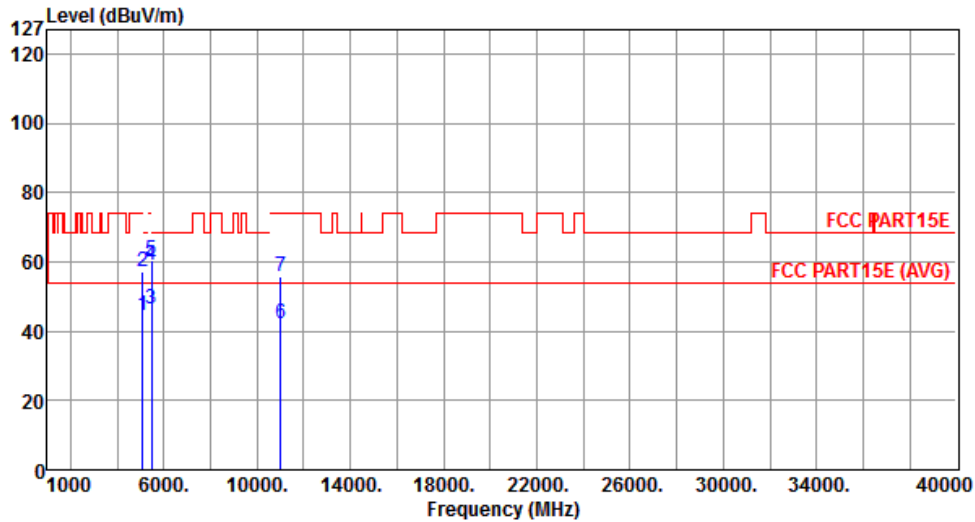
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.72	54.00	-11.28	37.89	4.83	Average	---	---
2	5097.00	55.03	74.00	-18.97	50.20	4.83	Peak	---	---
3	5460.00	42.72	54.00	-11.28	37.54	5.18	Average	---	---
4	5460.00	55.81	74.00	-18.19	50.63	5.18	Peak	---	---
5	5470.00	55.35	68.30	-12.95	50.16	5.19	Peak	---	---
6	11000.00	42.62	54.00	-11.38	27.34	15.28	Average	---	---
7	11000.00	55.53	74.00	-18.47	40.25	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	4



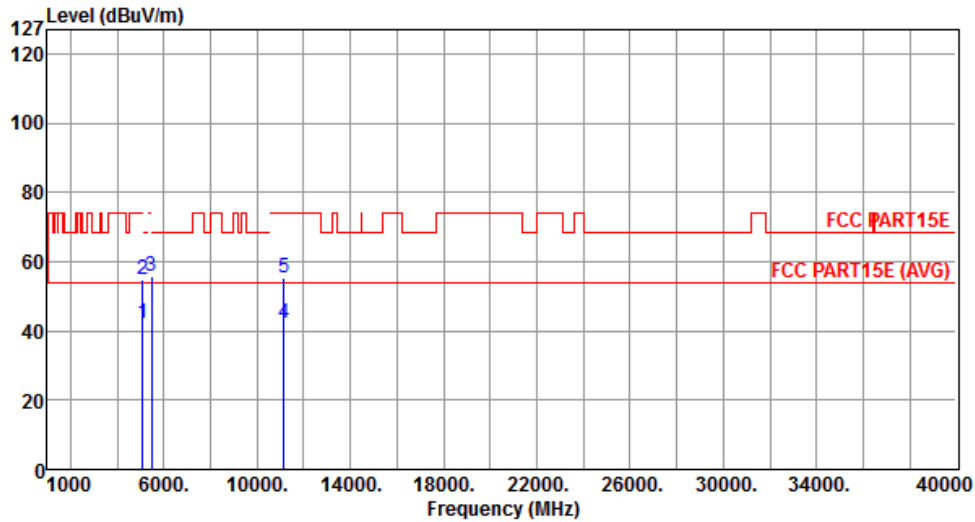
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.33	54.00	-9.67	39.50	4.83	Average	---	---
2	5097.00	56.94	74.00	-17.06	52.11	4.83	Peak	---	---
3	5460.00	46.19	54.00	-7.81	41.01	5.18	Average	---	---
4	5460.00	58.98	74.00	-15.02	53.80	5.18	Peak	---	---
5	5470.00	60.66	68.30	-7.64	55.47	5.19	Peak	---	---
6	11000.00	42.30	54.00	-11.70	27.02	15.28	Average	---	---
7	11000.00	55.63	74.00	-18.37	40.35	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	4



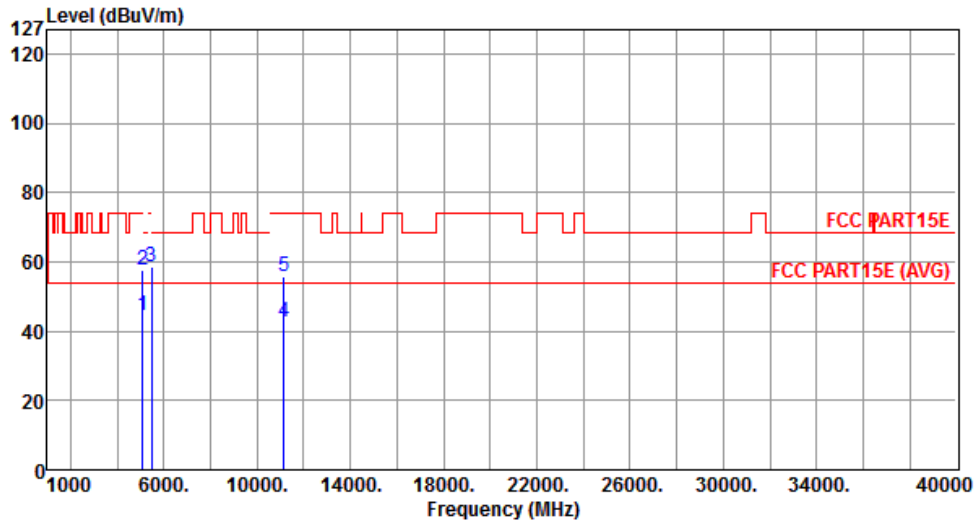
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.30	54.00	-11.70	37.47	4.83	Average	---	---
2	5097.00	54.68	74.00	-19.32	49.85	4.83	Peak	---	---
3	5470.00	55.54	68.30	-12.76	50.35	5.19	Peak	---	---
4	11160.00	42.40	54.00	-11.60	27.22	15.18	Average	---	---
5	11160.00	55.49	74.00	-18.51	40.31	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	4



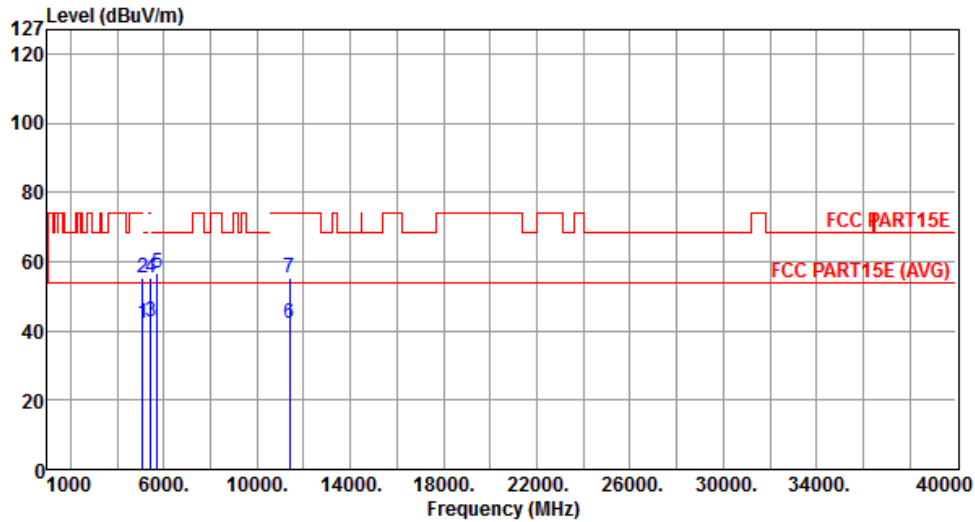
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.33	54.00	-9.67	39.50	4.83	Average	---	---
2	5097.00	57.56	74.00	-16.44	52.73	4.83	Peak	---	---
3	5470.00	58.40	68.30	-9.90	53.21	5.19	Peak	---	---
4	11160.00	42.61	54.00	-11.39	27.43	15.18	Average	---	---
5	11160.00	55.56	74.00	-18.44	40.38	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	4



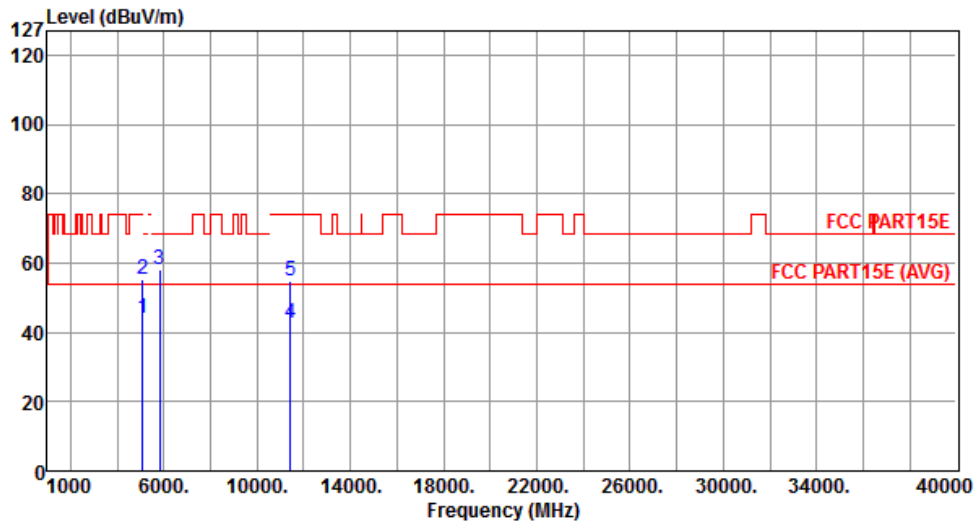
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.12	54.00	-11.88	37.29	4.83	Average	---	---
2	5097.00	55.39	74.00	-18.61	50.56	4.83	Peak	---	---
3	5427.00	42.52	54.00	-11.48	37.38	5.14	Average	---	---
4	5427.00	55.23	74.00	-18.77	50.09	5.14	Peak	---	---
5	5725.00	56.77	68.30	-11.53	51.21	5.56	Peak	---	---
6	11400.00	42.32	54.00	-11.68	27.29	15.03	Average	---	---
7	11400.00	55.37	74.00	-18.63	40.34	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	4



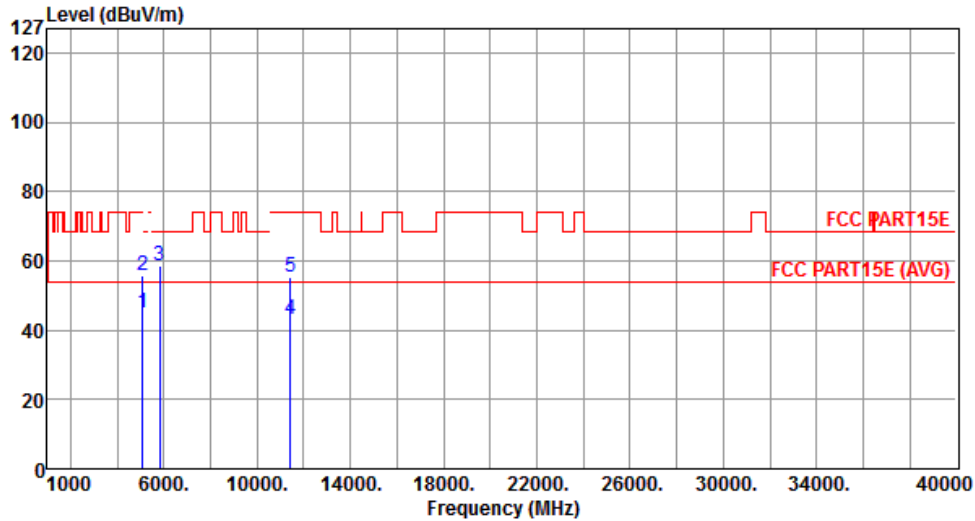
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.12	54.00	-9.88	38.63	5.49	Average	---	---
2	5097.00	55.33	74.00	-18.67	49.84	5.49	Peak	---	---
3	5825.00	58.09	68.20	-10.11	52.47	5.62	Peak	---	---
4	11440.00	42.51	54.00	-11.49	27.85	14.66	Average	---	---
5	11440.00	55.05	74.00	-18.95	40.39	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	4



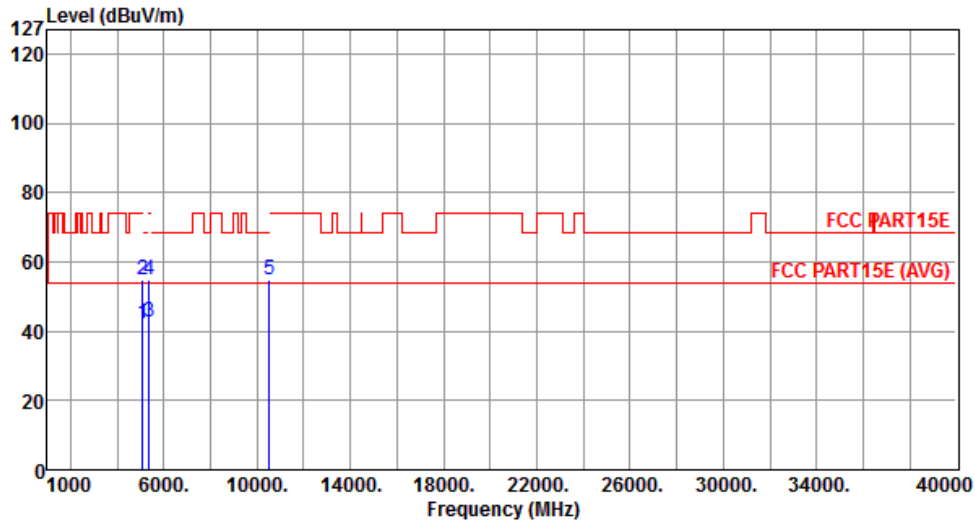
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.02	54.00	-8.98	39.53	5.49	Average	---	---
2	5097.00	55.91	74.00	-18.09	50.42	5.49	Peak	---	---
3	5825.00	58.72	68.20	-9.48	53.10	5.62	Peak	---	---
4	11440.00	42.91	54.00	-11.09	28.25	14.66	Average	---	---
5	11440.00	55.52	74.00	-18.48	40.86	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	5



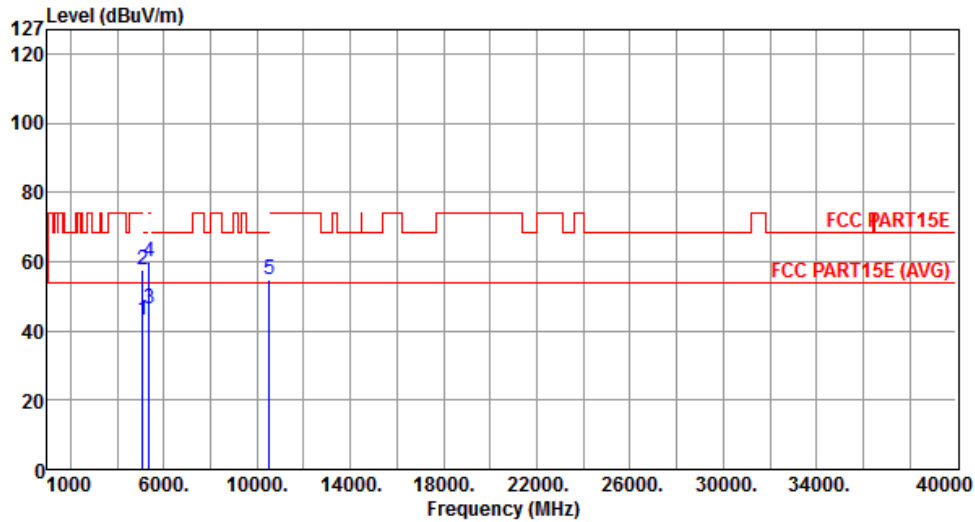
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.98	54.00	-12.02	37.15	4.83	Average	---	---
2	5097.00	54.67	74.00	-19.33	49.84	4.83	Peak	---	---
3	5350.00	42.75	54.00	-11.25	37.66	5.09	Average	---	---
4	5350.00	54.92	74.00	-19.08	49.83	5.09	Peak	---	---
5	10520.00	54.84	68.30	-13.46	39.97	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	5



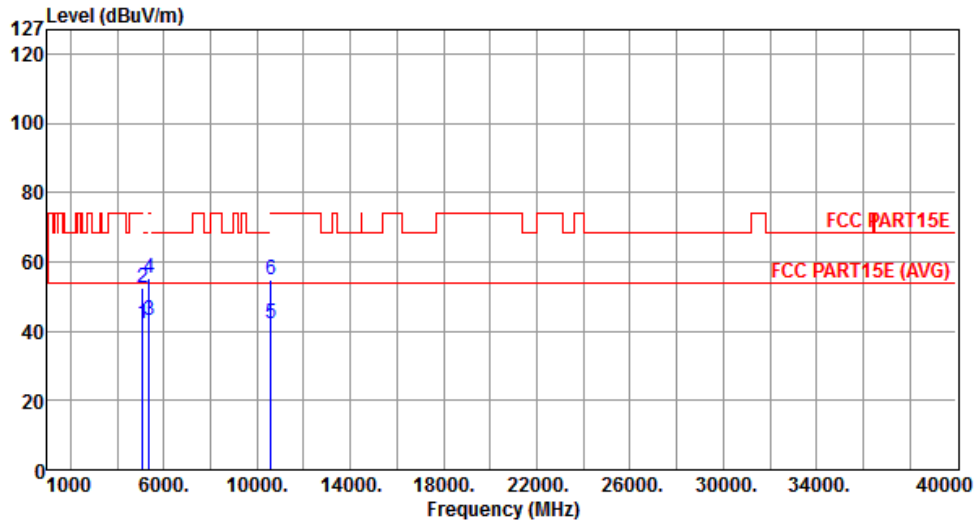
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.26	54.00	-10.74	38.43	4.83	Average	---	---
2	5097.00	57.58	74.00	-16.42	52.75	4.83	Peak	---	---
3	5350.00	46.35	54.00	-7.65	41.26	5.09	Average	---	---
4	5350.00	59.77	74.00	-14.23	54.68	5.09	Peak	---	---
5	10520.00	55.01	68.30	-13.29	40.14	14.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	5



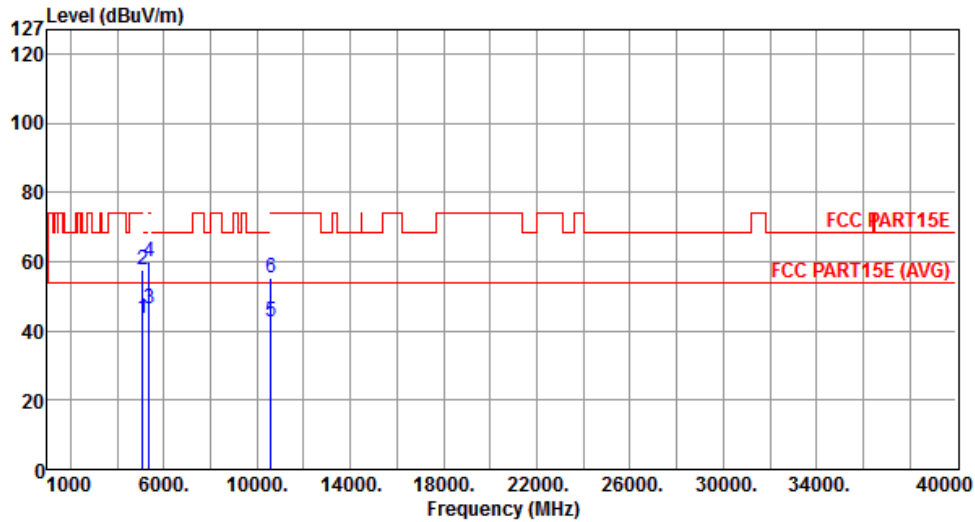
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.05	54.00	-11.95	37.22	4.83	Average	---	---
2	5097.00	52.57	74.00	-21.43	47.74	4.83	Peak	---	---
3	5350.00	43.04	54.00	-10.96	37.95	5.09	Average	---	---
4	5350.00	55.07	74.00	-18.93	49.98	5.09	Peak	---	---
5	10600.00	42.40	54.00	-11.60	27.46	14.94	Average	---	---
6	10600.00	54.79	74.00	-19.21	39.85	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	5



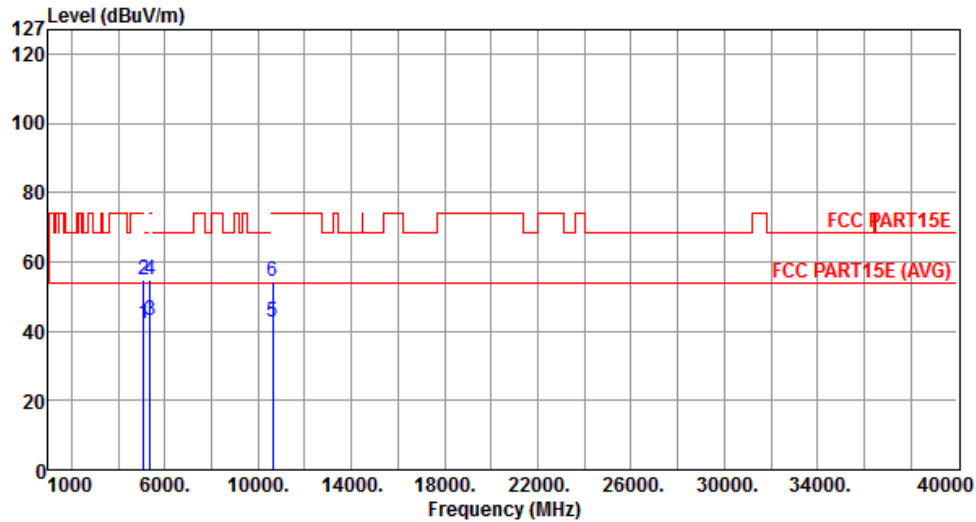
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.50	54.00	-10.50	38.67	4.83	Average	---	---
2	5097.00	57.79	74.00	-16.21	52.96	4.83	Peak	---	---
3	5350.00	46.42	54.00	-7.58	41.33	5.09	Average	---	---
4	5350.00	59.84	74.00	-14.16	54.75	5.09	Peak	---	---
5	10600.00	42.62	54.00	-11.38	27.68	14.94	Average	---	---
6	10600.00	55.18	74.00	-18.82	40.24	14.94	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	5



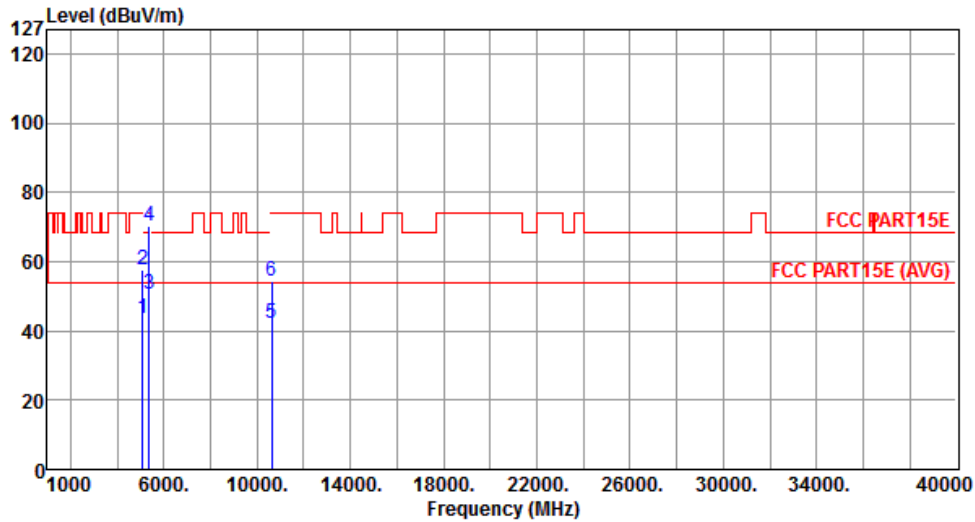
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.94	54.00	-12.06	37.11	4.83	Average	---	---
2	5097.00	54.76	74.00	-19.24	49.93	4.83	Peak	---	---
3	5350.00	42.94	54.00	-11.06	37.85	5.09	Average	---	---
4	5350.00	54.65	74.00	-19.35	49.56	5.09	Peak	---	---
5	10640.00	42.44	54.00	-11.56	27.46	14.98	Average	---	---
6	10640.00	54.30	74.00	-19.70	39.32	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	5



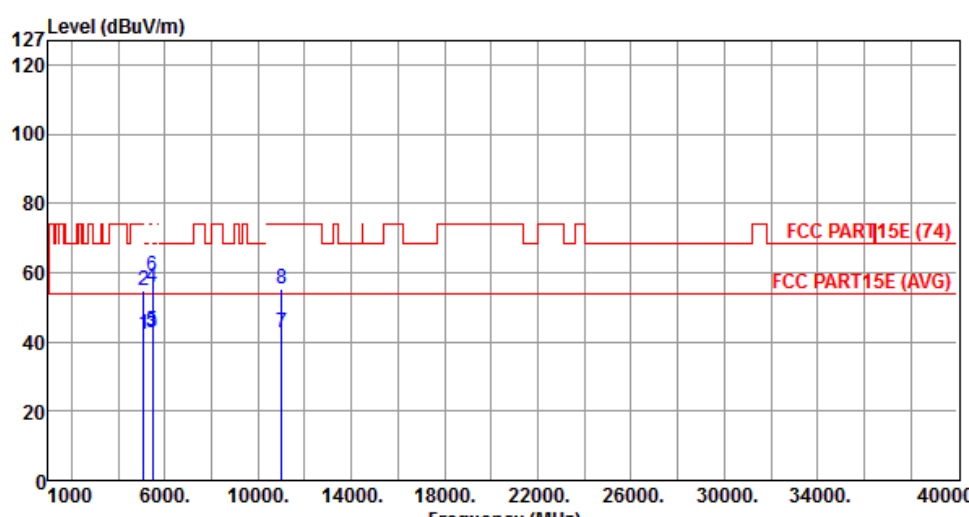
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.38	54.00	-10.62	38.55	4.83	Average	---	---
2	5097.00	57.68	74.00	-16.32	52.85	4.83	Peak	---	---
3	5350.00	50.72	54.00	-3.28	45.63	5.09	Average	---	---
4	5350.00	70.20	74.00	-3.80	65.11	5.09	Peak	---	---
5	10640.00	42.41	54.00	-11.59	27.43	14.98	Average	---	---
6	10640.00	54.56	74.00	-19.44	39.58	14.98	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

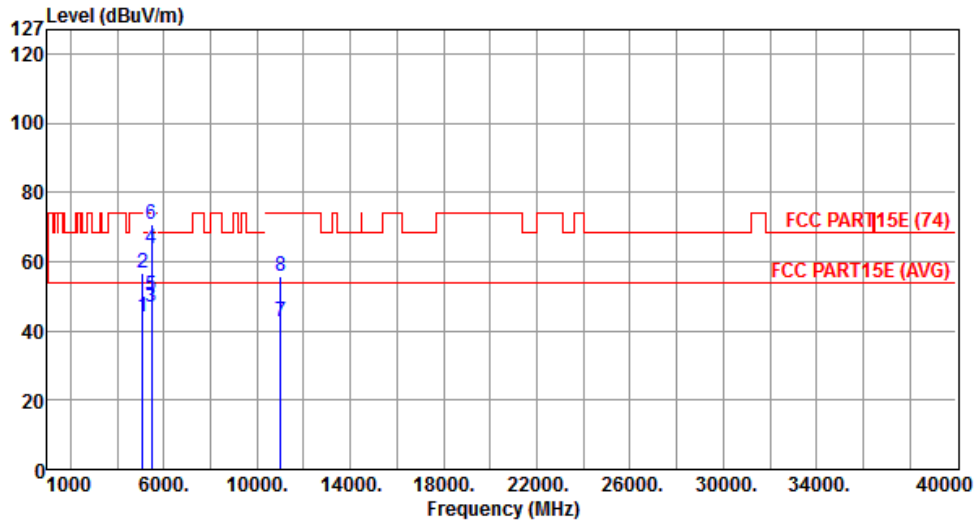
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.27	54.00	-11.73	37.44	4.83	Average	---	---
2	5097.00	54.65	74.00	-19.35	49.82	4.83	Peak	---	---
3	5460.00	42.64	54.00	-11.36	37.46	5.18	Average	---	---
4	5460.00	55.99	74.00	-18.01	50.81	5.18	Peak	---	---
5	5470.00	43.20	54.00	-10.80	38.01	5.19	Average	---	---
6	5470.00	58.87	74.00	-15.13	53.68	5.19	Peak	---	---
7	11000.00	42.56	54.00	-11.44	27.28	15.28	Average	---	---
8	11000.00	55.41	74.00	-18.59	40.13	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	5



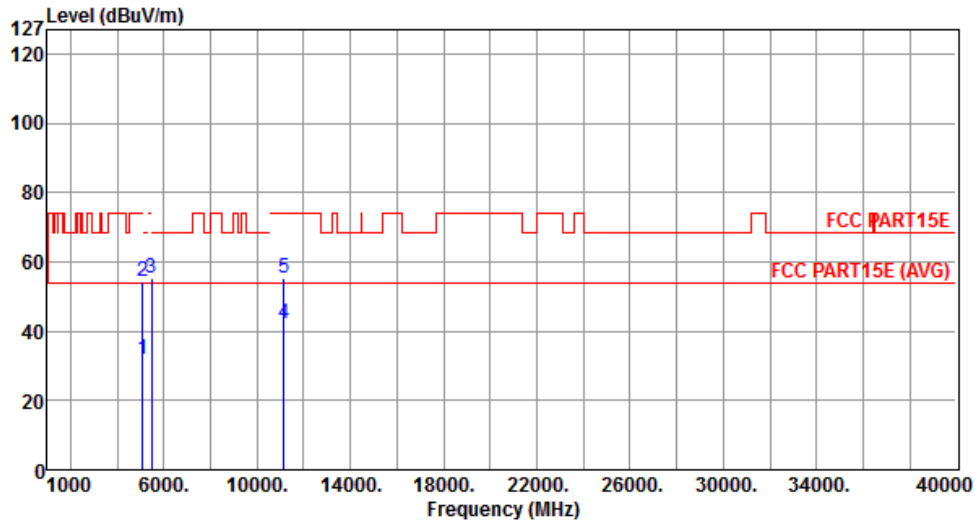
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.84	54.00	-10.16	39.01	4.83	Average	---	---
2	5097.00	56.64	74.00	-17.36	51.81	4.83	Peak	---	---
3	5460.00	47.00	54.00	-7.00	41.82	5.18	Average	---	---
4	5460.00	63.88	74.00	-10.12	58.70	5.18	Peak	---	---
5	5470.00	50.22	54.00	-3.78	45.03	5.19	Average	---	---
6	5470.00	70.80	74.00	-3.20	65.61	5.19	Peak	---	---
7	11000.00	42.74	54.00	-11.26	27.46	15.28	Average	---	---
8	11000.00	55.85	74.00	-18.15	40.57	15.28	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	5



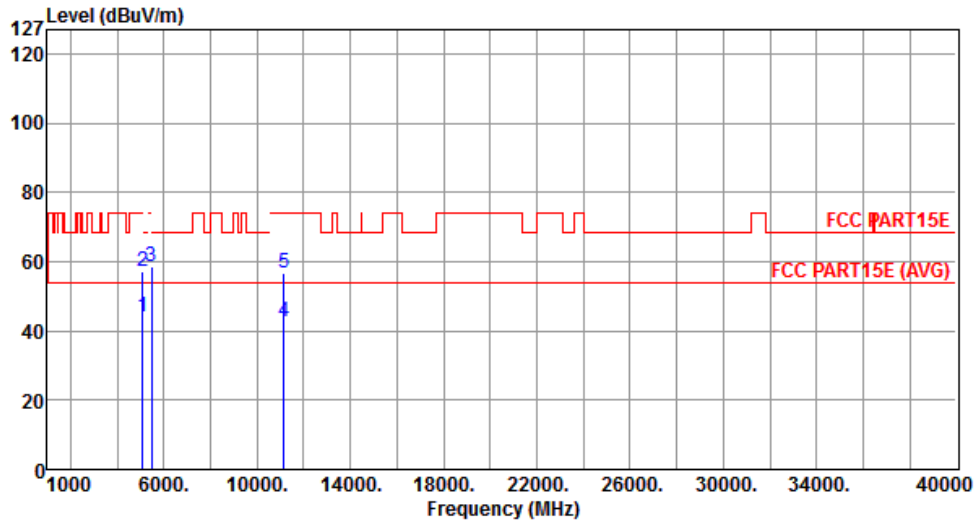
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	32.08	54.00	-21.92	27.25	4.83	Average	---	---
2	5097.00	54.36	74.00	-19.64	49.53	4.83	Peak	---	---
3	5470.00	55.39	68.30	-12.91	50.20	5.19	Peak	---	---
4	11160.00	42.26	54.00	-11.74	27.08	15.18	Average	---	---
5	11160.00	55.36	74.00	-18.64	40.18	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	5



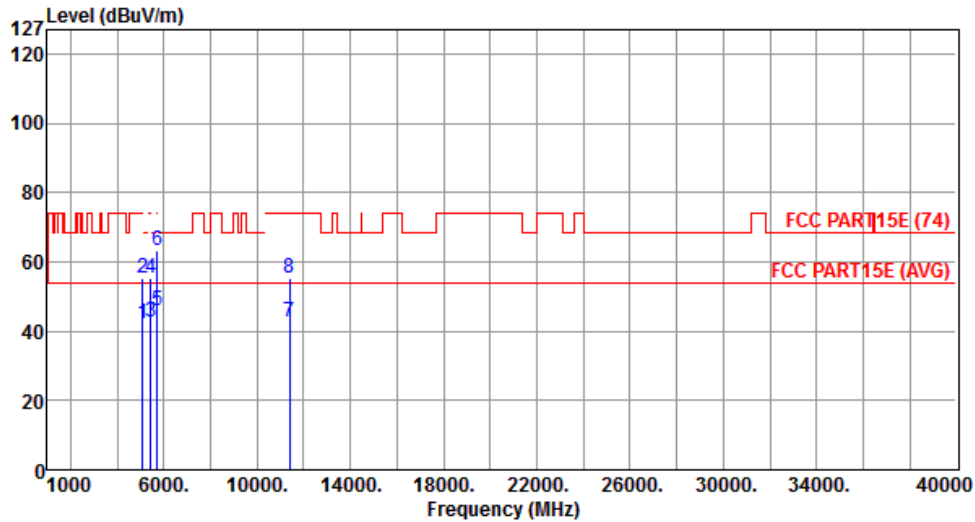
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.86	54.00	-10.14	39.03	4.83	Average	---	---
2	5097.00	57.00	74.00	-17.00	52.17	4.83	Peak	---	---
3	5470.00	58.58	68.30	-9.72	53.39	5.19	Peak	---	---
4	11160.00	42.80	54.00	-11.20	27.62	15.18	Average	---	---
5	11160.00	56.74	74.00	-17.26	41.56	15.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	5



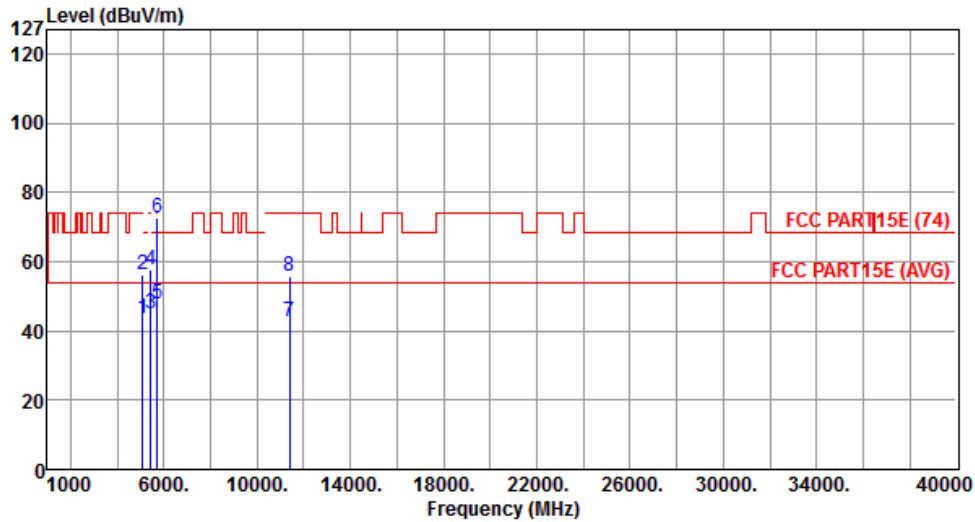
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.17	54.00	-11.83	37.34	4.83	Average	---	---
2	5097.00	55.20	74.00	-18.80	50.37	4.83	Peak	---	---
3	5427.00	42.43	54.00	-11.57	37.29	5.14	Average	---	---
4	5427.00	55.29	74.00	-18.71	50.15	5.14	Peak	---	---
5	5725.00	45.83	54.00	-8.17	40.27	5.56	Average	---	---
6	5725.00	63.21	74.00	-10.79	57.65	5.56	Peak	---	---
7	11400.00	42.55	54.00	-11.45	27.52	15.03	Average	---	---
8	11400.00	55.47	74.00	-18.53	40.44	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	5



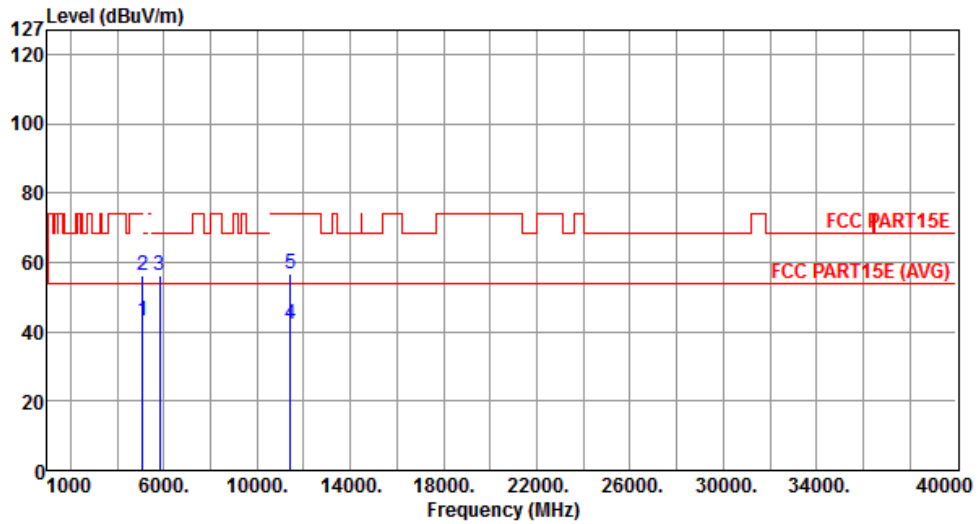
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.80	54.00	-10.20	38.97	4.83	Average	---	---
2	5097.00	56.35	74.00	-17.65	51.52	4.83	Peak	---	---
3	5427.00	45.17	54.00	-8.83	40.03	5.14	Average	---	---
4	5427.00	57.74	74.00	-16.26	52.60	5.14	Peak	---	---
5	5725.00	47.97	54.00	-6.03	42.41	5.56	Average	---	---
6	5725.00	72.77	74.00	-1.23	67.21	5.56	Peak	---	---
7	11400.00	42.71	54.00	-11.29	27.68	15.03	Average	---	---
8	11400.00	55.56	74.00	-18.44	40.53	15.03	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

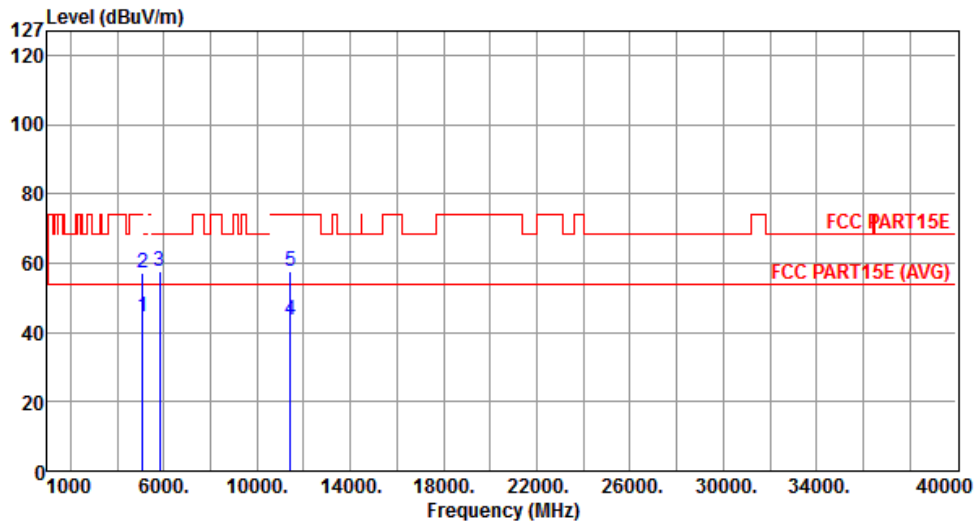
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	43.14	54.00	-10.86	37.65	5.49	Average	---	---
2	5097.00	56.33	74.00	-17.67	50.84	5.49	Peak	---	---
3	5825.00	56.37	68.20	-11.83	50.75	5.62	Peak	---	---
4	11440.00	42.38	54.00	-11.62	27.72	14.66	Average	---	---
5	11440.00	56.50	74.00	-17.50	41.84	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.72	54.00	-9.28	39.23	5.49	Average	---	---
2	5097.00	57.33	74.00	-16.67	51.84	5.49	Peak	---	---
3	5825.00	57.85	68.20	-10.35	52.23	5.62	Peak	---	---
4	11440.00	43.36	54.00	-10.64	28.70	14.66	Average	---	---
5	11440.00	57.83	74.00	-16.17	43.17	14.66	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).