

FCC 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

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
FR382401AN	Rev. 01	Initial issue	Mar. 17, 2014
FR382401AN	Rev. 02	Changed manufacturer	Mar. 26, 2014

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 3.840MHz 31.96 (Margin -14.04dB) - AV	Pass
15.407(b)(1)(2)(3) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5150.00MHz 52.95 (Margin -1.05dB) - 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]: 5150~5250 MHz: 16.58	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	5150-5250	5180-5240	36-48 [4]	3	6-54 Mbps
n (HT20)	5150-5250	5180-5240	36-48 [4]	3	MCS 0-23
n (HT40)	5150-5250	5190-5230	38-46 [2]	3	MCS 0-23
ac (VHT20)	5150-5250	5180-5240	36-48 [4]	3	MCS 0-9
ac (VHT40)	5150-5250	5190-5230	38-46 [2]	3	MCS 0-9
ac (VHT80)	5150-5250	5210	42 [1]	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 3: IEEE802.11ac is draft version.

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)
36	5180	38	5190
40	5200	46	5230
44	5220	VHT 80	
48	5240	42	5210

1.1.6 Test Tool and Duty Cycle

Test Tool	art2, Version 4_9_425		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	98.26%	0.08
	VHT20	98.16%	0.08
	VHT40	95.91%	0.18
	VHT80	90.45%	0.44

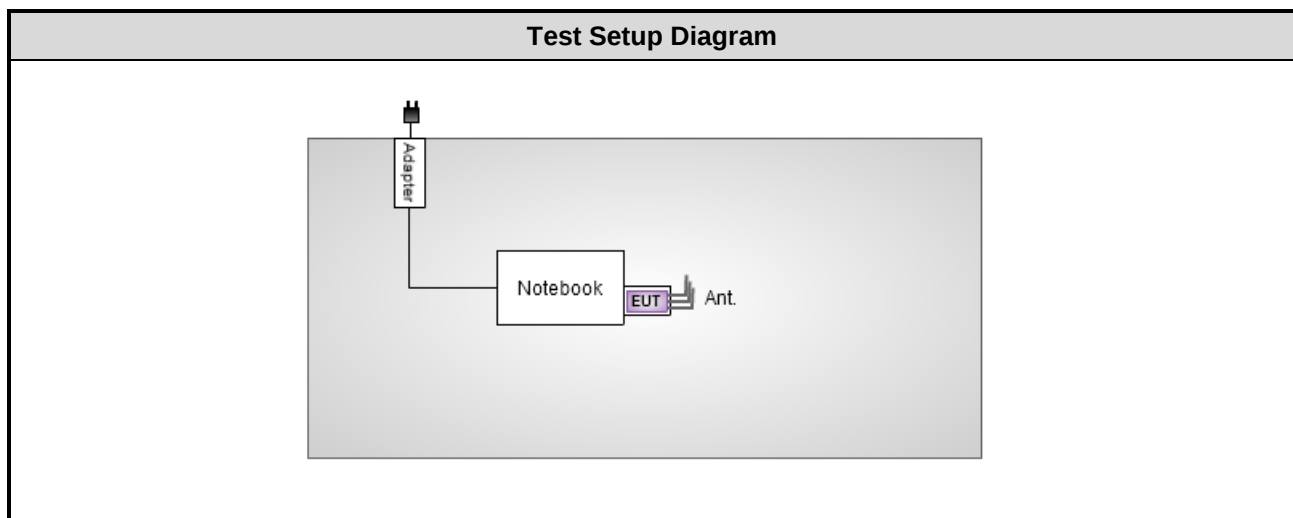
1.1.7 Power Setting

Modulation Mode	Test Frequency (MHz)	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 6
11a	5180	10.5	7.5	7.5	7.5	11.5	8.5
11a	5200	10	7.5	7.5	7.5	11.5	8.5
11a	5240	10	7.5	7.5	7.5	11.5	8.5
HT20	5180	10.5	7.5	7.5	7.5	11.5	8.5
HT20	5200	10.5	7.5	7.5	7.5	11.5	8.5
HT20	5240	10.5	7.5	7.5	7.5	11.5	8.5
HT40	5190	12.5	11.5	11.5	11.5	12.5	12
HT40	5230	12.5	11.5	11.5	11.5	12.5	12
VHT20	5180	10.5	7.5	7.5	7.5	11.5	8.5
VHT20	5200	10.5	7.5	7.5	7.5	11.5	8.5
VHT20	5240	10.5	7.5	7.5	7.5	11.5	8.5
VHT40	5190	12.5	11.5	11.5	11.5	12.5	12
VHT40	5230	12.5	11.5	11.5	11.5	12.5	12
VHT80	5210	12	12	12	11.5	12	12

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)				
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
ISN	TESEQ	ISN T800	34406	Apr. 08, 2013	Apr. 07, 2014
ISN	TESEQ	ISN T200A	30494	Apr. 09, 2013	Apr. 08, 2014
ISN	TESEQ	ISN ST08	22589	Jan. 24, 2013	Jan. 23, 2014
RF Current Probe	FCC	F-33-4	121630	Dec. 04, 2012	Dec. 03, 2013
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 25, 2012	Dec. 24, 2013
ESH3-Z6 V-Network(+)	R&S	ESH3-Z6	100920	Nov. 21, 2012	Nov. 20, 2013
ESH3-Z6 V-Network(-)	R&S	ESH3-Z6	100951	Jan. 30, 2013	Jan. 29, 2014
Two-Line V-Network	R&S	ENV216	101579	Jan. 07, 2013	Jan. 06, 2014
50 ohm terminal	NA	50	01	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	02	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	03	Apr. 22, 2013	Apr. 21, 2014
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	RF Conducted				
Test Site	(TH01-WS)				
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
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	Mar. 13, 2013	Mar. 12, 2014
Wideband Radio Communication Tester	R&S	CMW500	106070	Jan. 29, 2013	Jan. 28, 2014
Bluetooth Tester	R&S	CBT	100959	Jan. 09, 2013	Jan. 08, 2014
MXG-B RF Vector Signal Generator	Agilent	N5182B	MY53050081	Apr. 19, 2013	Apr. 18, 2014
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
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.					

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%	Aska Huang
RF Conducted	TH01-WS	22.1°C / 61%	Brad Wu

➤ 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	5230	MCS 0	1-6
RF Output Power	11a	5180 / 5200 / 5240	6 Mbps	1-6
	HT20	5180 / 5200 / 5240	MCS 0	
	HT40	5190 / 5230	MCS 0	
	VHT20	5180 / 5200 / 5240	MCS 0	
	VHT40	5190 / 5230	MCS 0	
	VHT80	5210	MCS 0	
Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240	6 Mbps	1-6
	VHT20	5180 / 5200 / 5240	MCS 0	
	VHT40	5190 / 5230	MCS 0	
	VHT80	5210	MCS 0	
Radiated Emissions <1GHz	VHT40	5230	MCS 0	1-6
Radiated Emissions >1GHz	11a	5180 / 5200 / 5240	6 Mbps	1-6
	VHT20	5180 / 5200 / 5240	MCS 0	
	VHT40	5190 / 5230	MCS 0	
	VHT80	5210	MCS 0	
Peak Excursion	11a	5200	6 Mbps	1-6
	VHT20	5200	MCS 0	
	VHT40	5230	MCS 0	
	VHT80	5210	MCS 0	
Frequency Stability	Un-modulation	5200	---	1

NOTE:

- 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.
- The following antennas are used for this module:
 - Configuration 1 : Dipole antenna with 3dBi gain
 - Configuration 2 : PIFA antenna with 6dBi gain, X-plane
 - Configuration 3 : Panel antenna with 5.5dBi gain, X-plane
 - Configuration 4 : Panel antenna with 6dBi gain, X-plane
 - Configuration 5 : Omni antenna with 2dBi gain, X-plane
 - Configuration 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

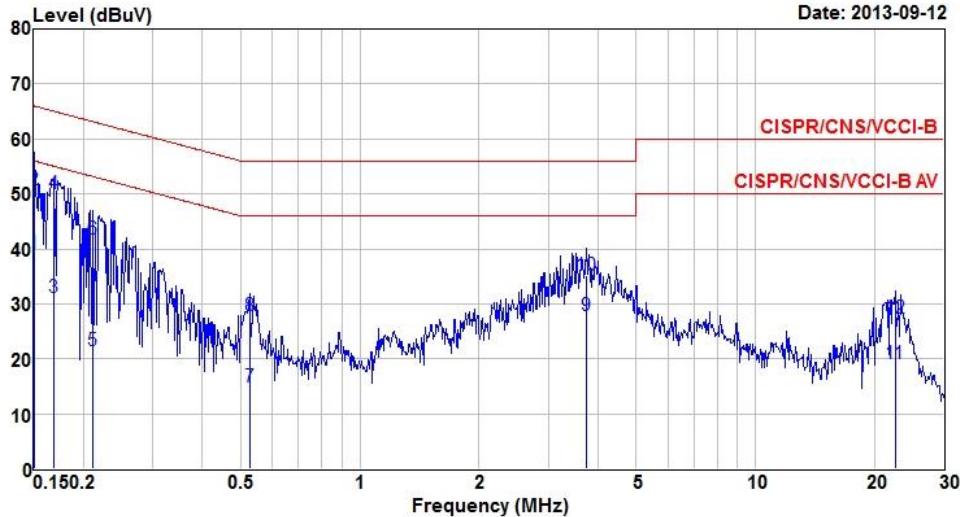
3.1.3 Test Setup



- 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)	5230
Power Phase	Line	Test Configuration	1



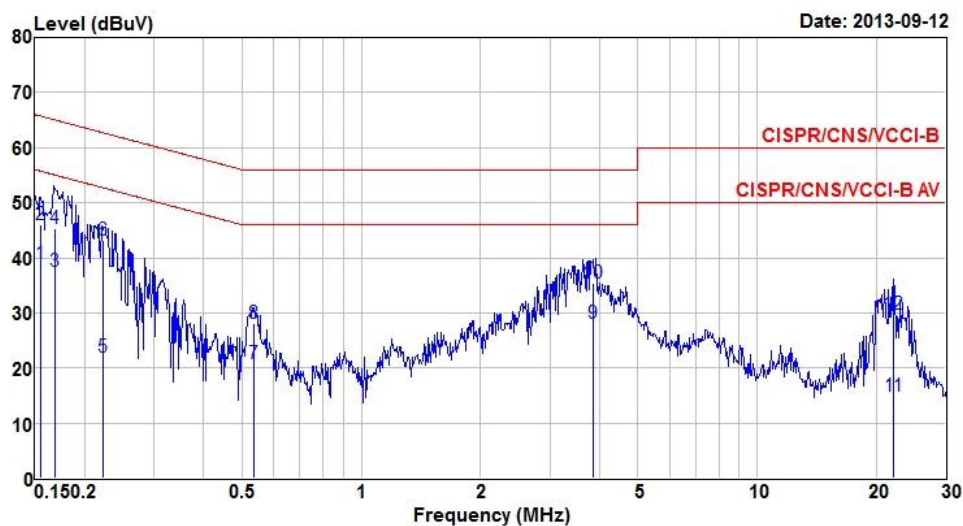
The graph shows the conducted emission level in dBuV versus frequency in MHz. The y-axis ranges from 0 to 80 dBuV, and the x-axis ranges from 0.15 to 30 MHz. Two red limit lines are shown: CISPR/CNS/VCCI-B (upper) and CISPR/CNS/VCCI-B AV (lower). The blue test curve shows several peaks, with the highest peak at 0.151 MHz. A table below the graph provides detailed data for the peaks.

Date: 2013-09-12

	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.151	39.17	55.96	-16.79	39.08	0.03	0.06	Average
2	0.151	50.65	65.96	-15.31	50.56	0.03	0.06	QP
3	0.169	31.15	55.03	-23.88	31.01	0.03	0.11	Average
4	0.169	50.05	65.03	-14.98	49.91	0.03	0.11	QP
5	0.212	21.41	53.14	-31.73	21.21	0.03	0.17	Average
6	0.212	41.73	63.14	-21.41	41.53	0.03	0.17	QP
7	0.527	14.83	46.00	-31.17	14.75	0.03	0.05	Average
8	0.527	27.75	56.00	-28.25	27.67	0.03	0.05	QP
9	3.740	27.79	46.00	-18.21	27.50	0.06	0.23	Average
10	3.740	35.18	56.00	-20.82	34.89	0.06	0.23	QP
11	22.535	19.03	50.00	-30.97	18.53	0.14	0.36	Average
12	22.535	27.30	60.00	-32.70	26.80	0.14	0.36	QP

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

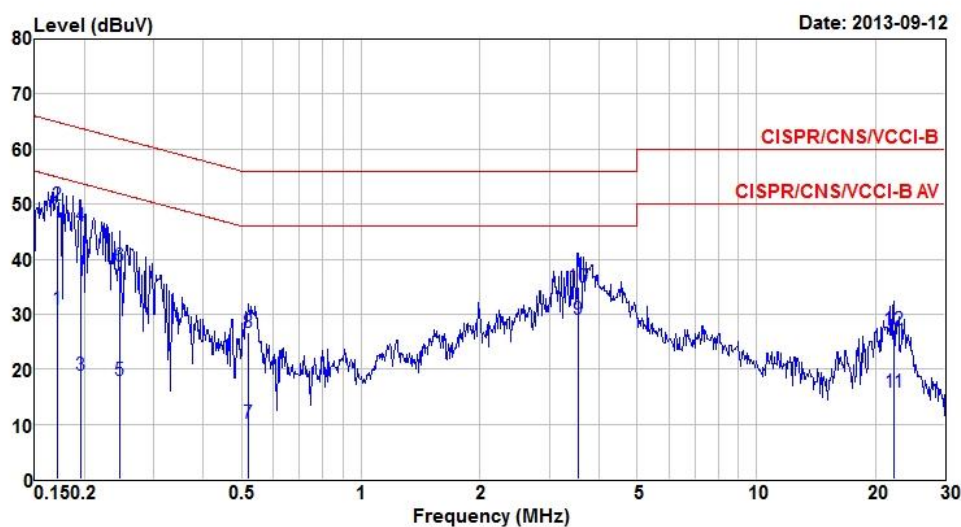
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Neutral	Test Configuration	1



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.155	38.96	55.74	-16.78	38.87	0.02	0.07	Average
2	0.155	46.08	65.74	-19.66	45.99	0.02	0.07	QP
3	0.169	37.54	55.03	-17.49	37.41	0.02	0.11	Average
4	0.169	45.28	65.03	-19.75	45.15	0.02	0.11	QP
5	0.223	21.99	52.70	-30.71	21.81	0.02	0.16	Average
6	0.223	43.17	62.70	-19.53	42.99	0.02	0.16	QP
7	0.535	20.77	46.00	-25.23	20.70	0.02	0.05	Average
8	0.535	28.03	56.00	-27.97	27.96	0.02	0.05	QP
9	3.860	28.10	46.00	-17.90	27.81	0.05	0.24	Average
10	3.860	35.29	56.00	-20.71	35.00	0.05	0.24	QP
11	22.180	14.77	50.00	-35.23	14.30	0.14	0.33	Average
12	22.180	29.64	60.00	-30.36	29.17	0.14	0.33	QP

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

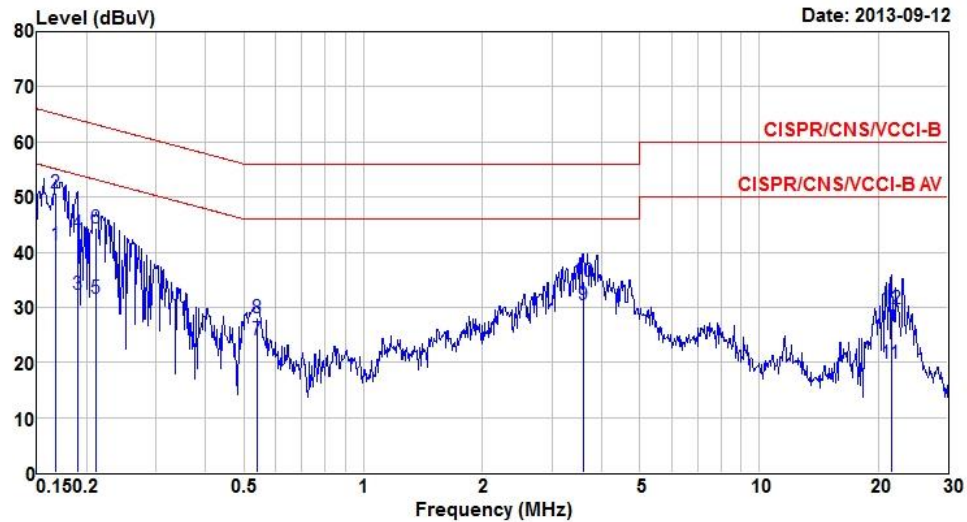
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Line	Test Configuration	2



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.171	30.96	54.90	-23.94	30.82	0.03	0.11	Average
2	0.171	49.85	64.90	-15.05	49.71	0.03	0.11	QP
3	0.195	18.93	53.80	-34.87	18.73	0.03	0.17	Average
4	0.195	46.05	63.80	-17.75	45.85	0.03	0.17	QP
5	0.246	18.05	51.91	-33.86	17.88	0.03	0.14	Average
6	0.246	38.80	61.91	-23.11	38.63	0.03	0.14	QP
7	0.518	10.26	46.00	-35.74	10.18	0.03	0.05	Average
8	0.518	26.71	56.00	-29.29	26.63	0.03	0.05	QP
9	3.547	28.99	46.00	-17.01	28.70	0.06	0.23	Average
10	3.547	34.83	56.00	-21.17	34.54	0.06	0.23	QP
11	22.298	15.89	50.00	-34.11	15.42	0.14	0.33	Average
12	22.298	27.15	60.00	-32.85	26.68	0.14	0.33	QP

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

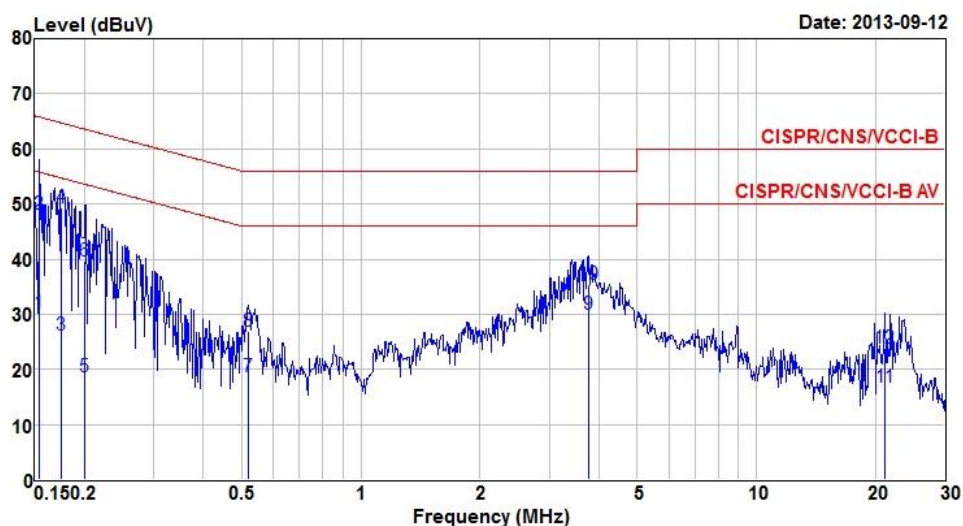
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Neutral	Test Configuration	2



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.168	41.36	55.08	-13.72	41.23	0.02	0.11	Average
2	0.168	50.85	65.08	-14.23	50.72	0.02	0.11	QP
3	0.189	32.31	54.06	-21.75	32.13	0.02	0.16	Average
4	0.189	43.35	64.06	-20.71	43.17	0.02	0.16	QP
5	0.211	31.56	53.18	-21.62	31.37	0.02	0.17	Average
6	0.211	44.42	63.18	-18.76	44.23	0.02	0.17	QP
7	0.538	24.14	46.00	-21.86	24.07	0.02	0.05	Average
8	0.538	28.07	56.00	-27.93	28.00	0.02	0.05	QP
9	3.603	30.35	46.00	-15.65	30.07	0.05	0.23	Average
10	3.603	34.82	56.00	-21.18	34.54	0.05	0.23	QP
11	21.600	19.78	50.00	-30.22	19.34	0.14	0.30	Average
12	21.600	29.81	60.00	-30.19	29.37	0.14	0.30	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)	5230
Power Phase	Line	Test Configuration	3

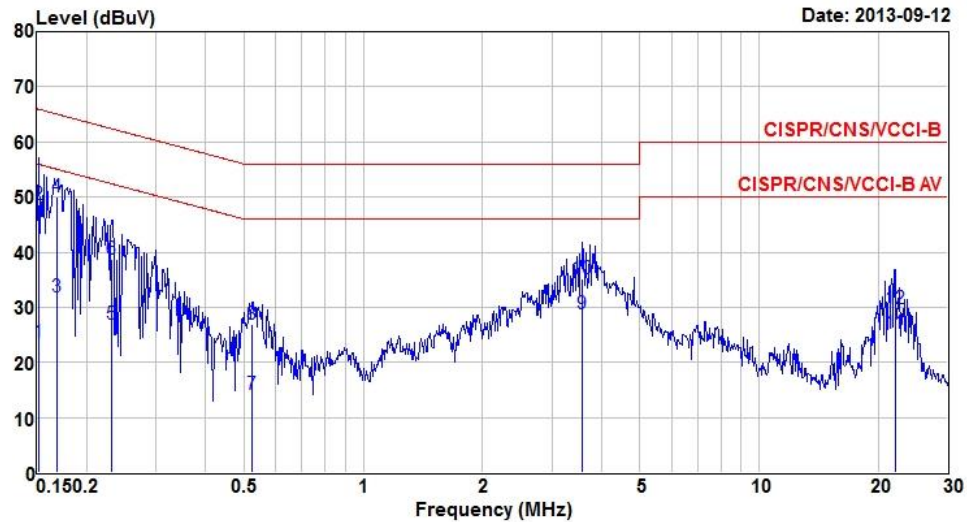


	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.154	30.33	55.78	-25.45	30.23	0.03	0.07	Average
2	0.154	48.26	65.78	-17.52	48.16	0.03	0.07	QP
3	0.175	26.29	54.72	-28.43	26.13	0.03	0.13	Average
4	0.175	49.43	64.72	-15.29	49.27	0.03	0.13	QP
5	0.201	18.67	53.58	-34.91	18.46	0.03	0.18	Average
6	0.201	39.62	63.58	-23.96	39.41	0.03	0.18	QP
7	0.518	18.63	46.00	-27.37	18.55	0.03	0.05	Average
8	0.518	26.96	56.00	-29.04	26.88	0.03	0.05	QP
9	3.759	29.93	46.00	-16.07	29.64	0.06	0.23	Average
10	3.759	35.38	56.00	-20.62	35.09	0.06	0.23	QP
11	21.147	16.65	50.00	-33.35	16.24	0.14	0.27	Average
12	21.147	23.89	60.00	-36.11	23.48	0.14	0.27	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

Note 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

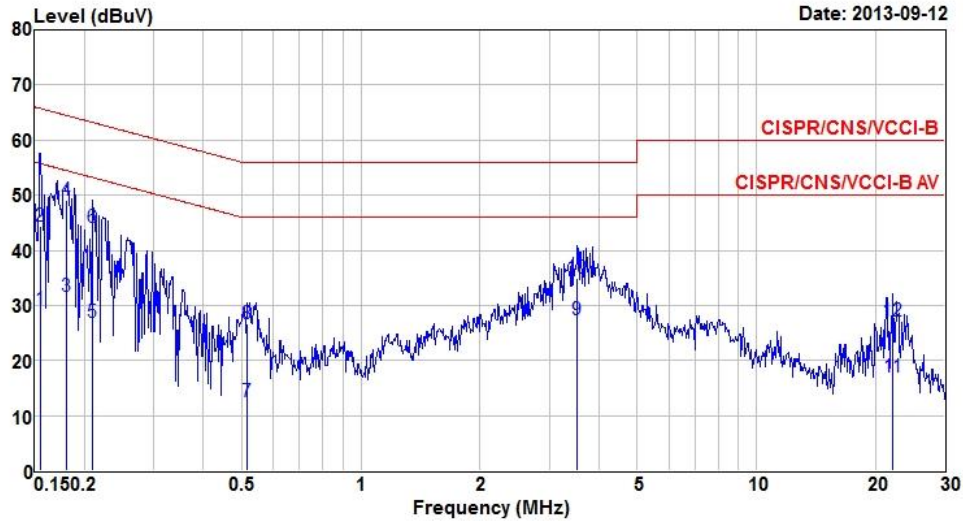
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Neutral	Test Configuration	3



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.152	23.63	55.91	-32.28	23.55	0.02	0.06	Average
2	0.152	48.51	65.91	-17.40	48.43	0.02	0.06	QP
3	0.169	31.76	55.03	-23.27	31.63	0.02	0.11	Average
4	0.169	50.14	65.03	-14.89	50.01	0.02	0.11	QP
5	0.232	26.92	52.39	-25.47	26.75	0.02	0.15	Average
6	0.232	38.61	62.39	-23.78	38.44	0.02	0.15	QP
7	0.524	14.27	46.00	-31.73	14.20	0.02	0.05	Average
8	0.524	26.86	56.00	-29.14	26.79	0.02	0.05	QP
9	3.584	28.73	46.00	-17.27	28.45	0.05	0.23	Average
10	3.584	35.22	56.00	-20.78	34.94	0.05	0.23	QP
11	22.063	25.26	50.00	-24.74	24.80	0.14	0.32	Average
12	22.063	29.78	60.00	-30.22	29.32	0.14	0.32	QP

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

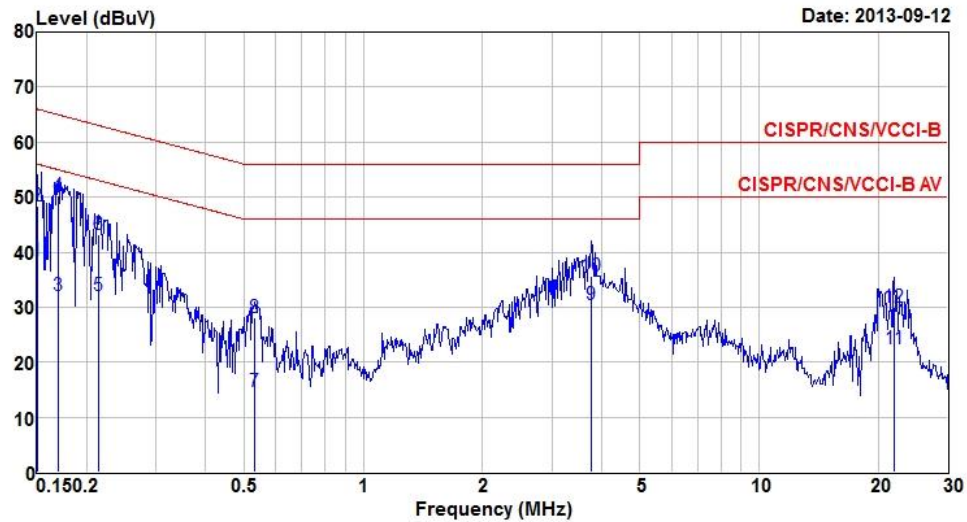
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Line	Test Configuration	4



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.155	29.31	55.74	-26.43	29.21	0.03	0.07	Average
2	0.155	44.37	65.74	-21.37	44.27	0.03	0.07	QP
3	0.181	31.68	54.46	-22.78	31.51	0.03	0.14	Average
4	0.181	49.03	64.46	-15.43	48.86	0.03	0.14	QP
5	0.209	26.99	53.23	-26.24	26.79	0.03	0.17	Average
6	0.209	44.14	63.23	-19.09	43.94	0.03	0.17	QP
7	0.516	12.48	46.00	-33.52	12.40	0.03	0.05	Average
8	0.516	26.69	56.00	-29.31	26.61	0.03	0.05	QP
9	3.528	27.28	46.00	-18.72	26.99	0.06	0.23	Average
10	3.528	34.87	56.00	-21.13	34.58	0.06	0.23	QP
11	22.180	16.97	50.00	-33.03	16.50	0.14	0.33	Average
12	22.180	27.21	60.00	-32.79	26.74	0.14	0.33	QP

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

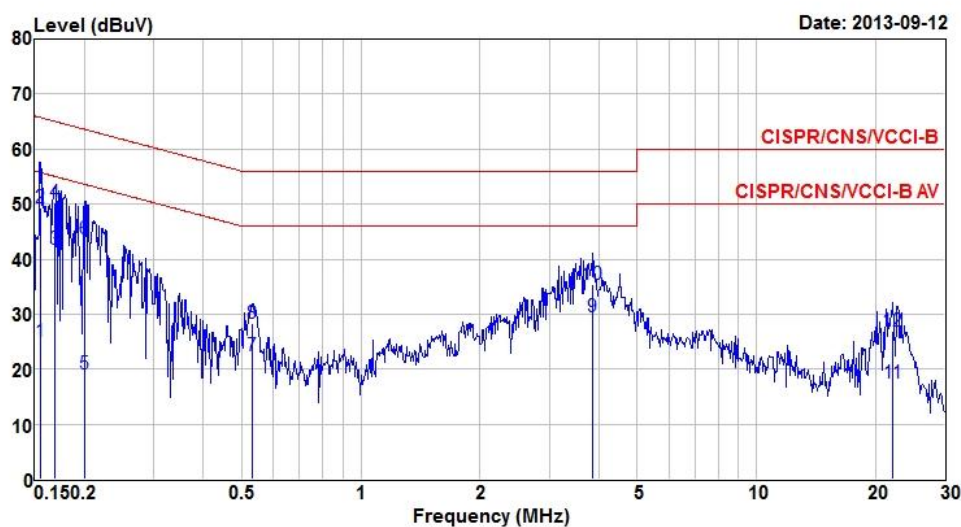
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Neutral	Test Configuration	4



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.150	38.49	56.00	-17.51	38.41	0.02	0.06	Average
2	0.150	48.38	66.00	-17.62	48.30	0.02	0.06	QP
3	0.169	32.05	54.99	-22.94	31.92	0.02	0.11	Average
4	0.169	50.37	64.99	-14.62	50.24	0.02	0.11	QP
5	0.214	31.99	53.05	-21.06	31.80	0.02	0.17	Average
6	0.214	43.09	63.05	-19.96	42.90	0.02	0.17	QP
7	0.532	14.74	46.00	-31.26	14.67	0.02	0.05	Average
8	0.532	28.05	56.00	-27.95	27.98	0.02	0.05	QP
9	3.779	30.34	46.00	-15.66	30.06	0.05	0.23	Average
10	3.779	35.67	56.00	-20.33	35.39	0.05	0.23	QP
11	21.946	22.43	50.00	-27.57	21.98	0.14	0.31	Average
12	21.946	29.88	60.00	-30.12	29.43	0.14	0.31	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)	5230
Power Phase	Line	Test Configuration	5

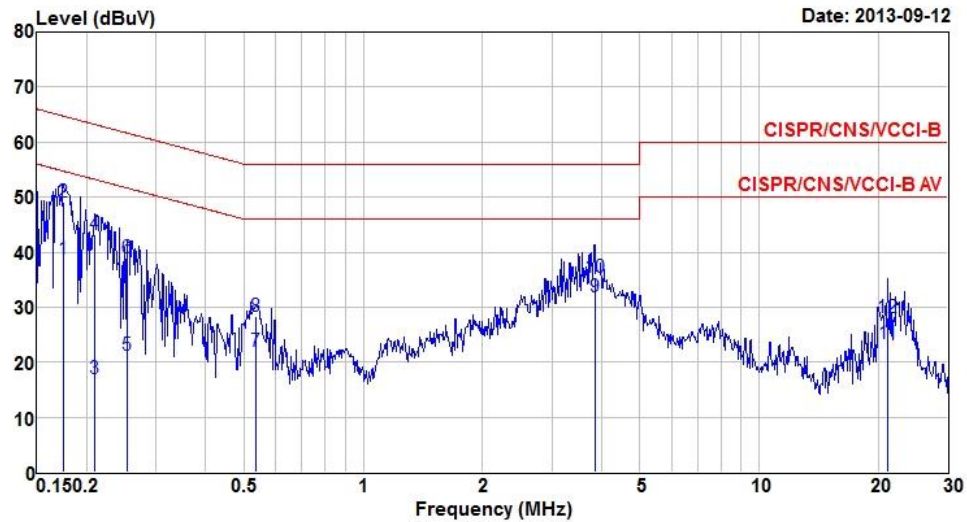


	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.155	25.13	55.74	-30.61	25.03	0.03	0.07	Average
2	0.155	49.42	65.74	-16.32	49.32	0.03	0.07	QP
3	0.169	41.85	55.03	-13.18	41.71	0.03	0.11	Average
4	0.169	50.29	65.03	-14.74	50.15	0.03	0.11	QP
5	0.201	19.21	53.58	-34.37	19.00	0.03	0.18	Average
6	0.201	43.66	63.58	-19.92	43.45	0.03	0.18	QP
7	0.532	22.46	46.00	-23.54	22.38	0.03	0.05	Average
8	0.532	28.31	56.00	-27.69	28.23	0.03	0.05	QP
9	3.860	29.58	46.00	-16.42	29.28	0.06	0.24	Average
10	3.860	35.31	56.00	-20.69	35.01	0.06	0.24	QP
11	22.180	17.49	50.00	-32.51	17.02	0.14	0.33	Average
12	22.180	26.96	60.00	-33.04	26.49	0.14	0.33	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

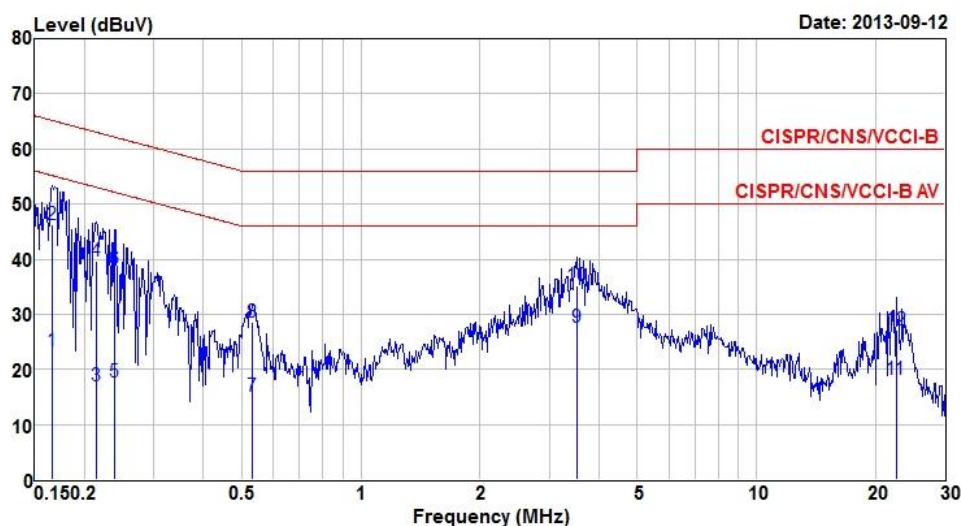
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Neutral	Test Configuration	5



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.175	38.79	54.72	-15.93	38.64	0.02	0.13	Average
2	0.175	48.99	64.72	-15.73	48.84	0.02	0.13	QP
3	0.209	17.01	53.23	-36.22	16.82	0.02	0.17	Average
4	0.209	43.17	63.23	-20.06	42.98	0.02	0.17	QP
5	0.253	21.17	51.64	-30.47	21.01	0.02	0.14	Average
6	0.253	38.97	61.64	-22.67	38.81	0.02	0.14	QP
7	0.535	21.99	46.00	-24.01	21.92	0.02	0.05	Average
8	0.535	28.31	56.00	-27.69	28.24	0.02	0.05	QP
9	3.840	31.96	46.00	-14.04	31.67	0.05	0.24	Average
10	3.840	35.47	56.00	-20.53	35.18	0.05	0.24	QP
11	21.147	23.38	50.00	-26.62	22.98	0.13	0.27	Average
12	21.147	27.99	60.00	-32.01	27.59	0.13	0.27	QP

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

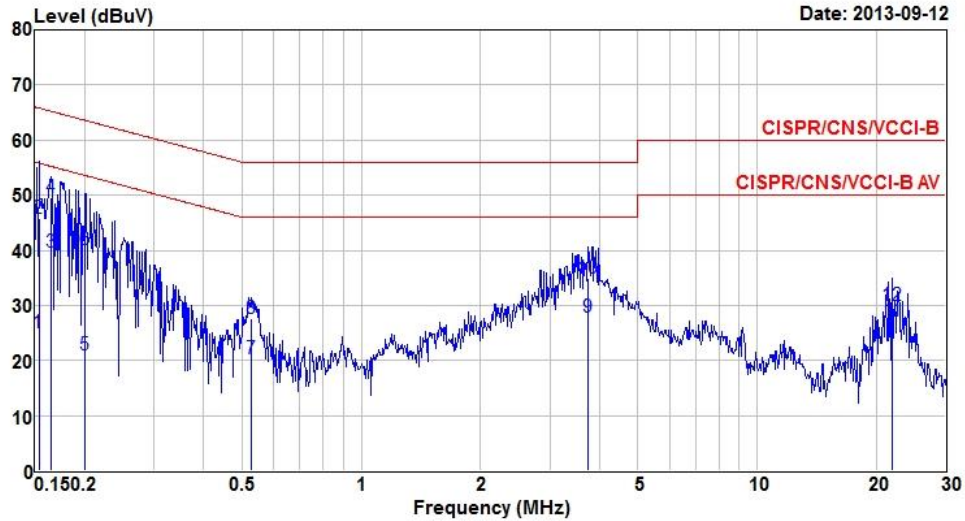
Modulation	VHT40	Test Freq. (MHz)	5230
Power Phase	Line	Test Configuration	6



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.166	23.38	55.16	-31.78	23.25	0.03	0.10	Average
2	0.166	46.29	65.16	-18.87	46.16	0.03	0.10	QP
3	0.214	17.12	53.05	-35.93	16.92	0.03	0.17	Average
4	0.214	39.57	63.05	-23.48	39.37	0.03	0.17	QP
5	0.239	17.71	52.13	-34.42	17.53	0.03	0.15	Average
6	0.239	38.30	62.13	-23.83	38.12	0.03	0.15	QP
7	0.532	15.03	46.00	-30.97	14.95	0.03	0.05	Average
8	0.532	28.67	56.00	-27.33	28.59	0.03	0.05	QP
9	3.509	27.58	46.00	-18.42	27.30	0.06	0.22	Average
10	3.509	35.22	56.00	-20.78	34.94	0.06	0.22	QP
11	22.535	18.23	50.00	-31.77	17.73	0.14	0.36	Average
12	22.535	27.13	60.00	-32.87	26.63	0.14	0.36	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)	5230
Power Phase	Neutral	Test 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	24.98	55.82	-30.84	24.89	0.02	0.07	Average
2	0.153	45.88	65.82	-19.94	45.79	0.02	0.07	QP
3	0.165	39.65	55.21	-15.56	39.53	0.02	0.10	Average
4	0.165	49.51	65.21	-15.70	49.39	0.02	0.10	QP
5	0.201	21.04	53.58	-32.54	20.84	0.02	0.18	Average
6	0.201	40.18	63.58	-23.40	39.98	0.02	0.18	QP
7	0.529	20.23	46.00	-25.77	20.16	0.02	0.05	Average
8	0.529	27.73	56.00	-28.27	27.66	0.02	0.05	QP
9	3.740	27.89	46.00	-18.11	27.61	0.05	0.23	Average
10	3.740	34.93	56.00	-21.07	34.65	0.05	0.23	QP
11	21.946	27.06	50.00	-22.94	26.61	0.14	0.31	Average
12	21.946	29.98	60.00	-30.02	29.53	0.14	0.31	QP

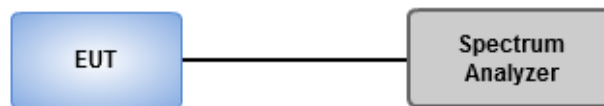
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

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.

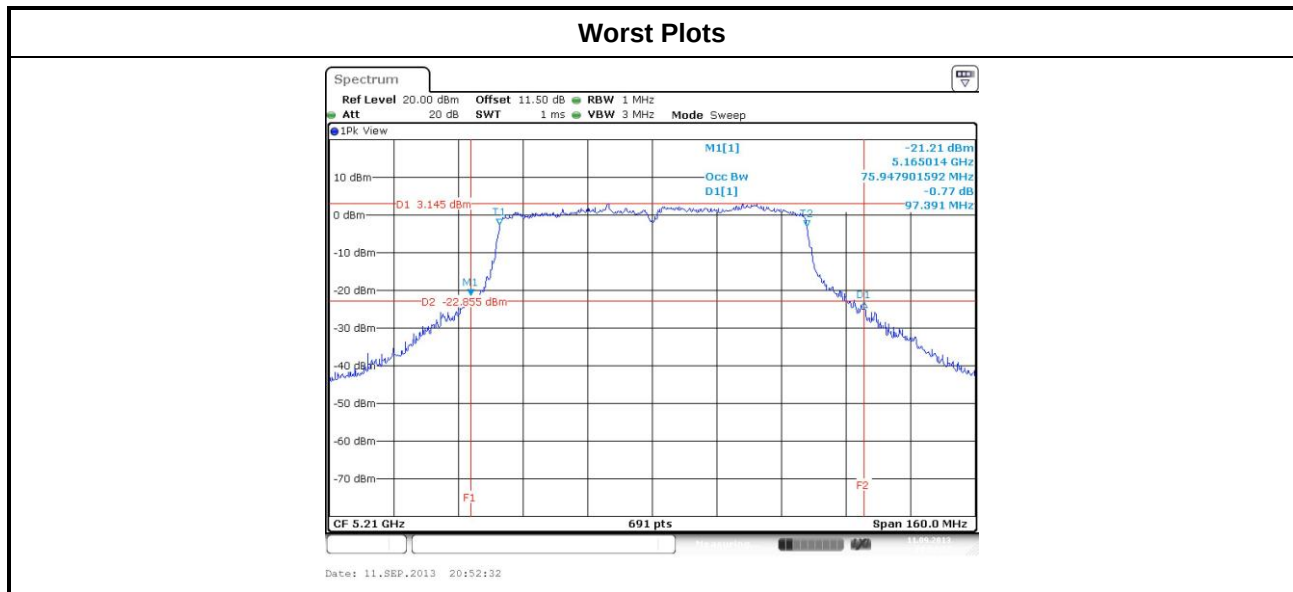
3.2.2 Test Setup



3.2.3 Test Result of Emission Bandwidth

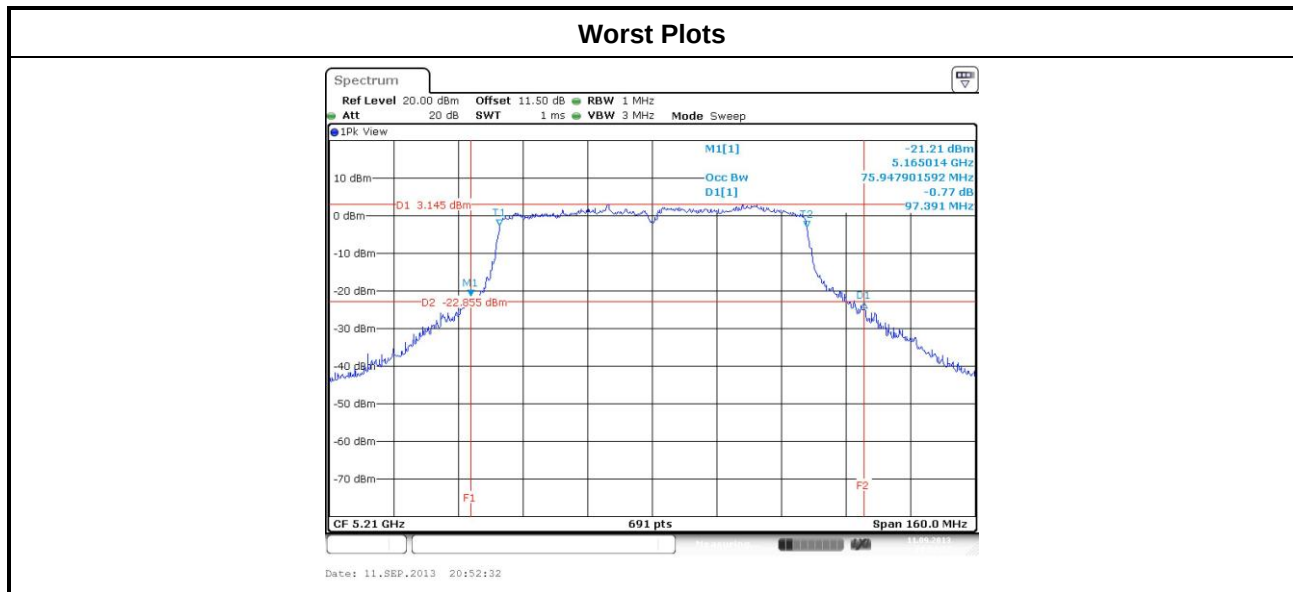
Test Configuration 1

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	5180	23.07	22.38	23.36	17.02	16.90	16.85	17.00	16.27
11a	3	5200	23.25	22.61	22.78	17.02	16.96	16.90	17.00	16.28
11a	3	5240	23.19	22.55	23.01	17.08	16.90	16.90	17.00	16.28
VHT20	3	5180	23.59	23.65	24.12	18.18	18.06	18.06	17.00	16.57
VHT20	3	5200	24.00	23.59	25.22	18.18	18.06	18.12	17.00	16.57
VHT20	3	5240	23.83	24.17	23.83	18.06	18.18	18.06	17.00	16.57
VHT40	3	5190	47.19	46.84	46.49	37.40	37.28	37.40	17.00	17.00
VHT40	3	5230	47.07	46.73	45.33	37.51	37.28	37.28	17.00	17.00
VHT80	3	5210	97.39	93.91	97.16	75.95	76.18	76.18	17.00	17.00



Test Configuration 2

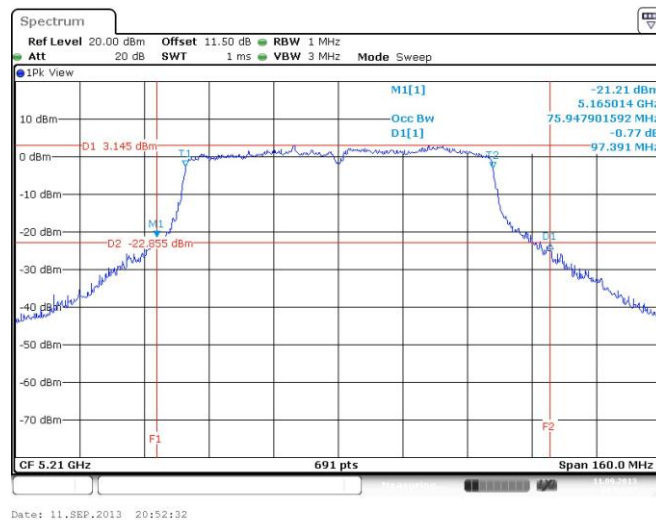
Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5180	22.84	22.55	23.36	17.08	16.90	16.85	17.00	16.27
11a	3	5200	23.71	22.78	22.38	17.13	16.90	16.85	17.00	16.27
11a	3	5240	23.48	23.01	22.96	17.13	16.96	16.90	17.00	16.28
VHT20	3	5180	24.00	23.77	23.59	18.12	18.12	18.00	17.00	16.55
VHT20	3	5200	23.71	23.83	24.23	18.18	18.12	18.12	17.00	16.58
VHT20	3	5240	24.35	24.12	24.06	18.23	18.12	18.06	17.00	16.57
VHT40	3	5190	47.30	46.15	46.15	37.51	37.28	37.28	17.00	17.00
VHT40	3	5230	48.35	47.19	46.84	37.28	37.28	37.28	17.00	17.00
VHT80	3	5210	97.39	93.91	97.16	75.95	76.18	76.18	17.00	17.00



Test Configuration 3

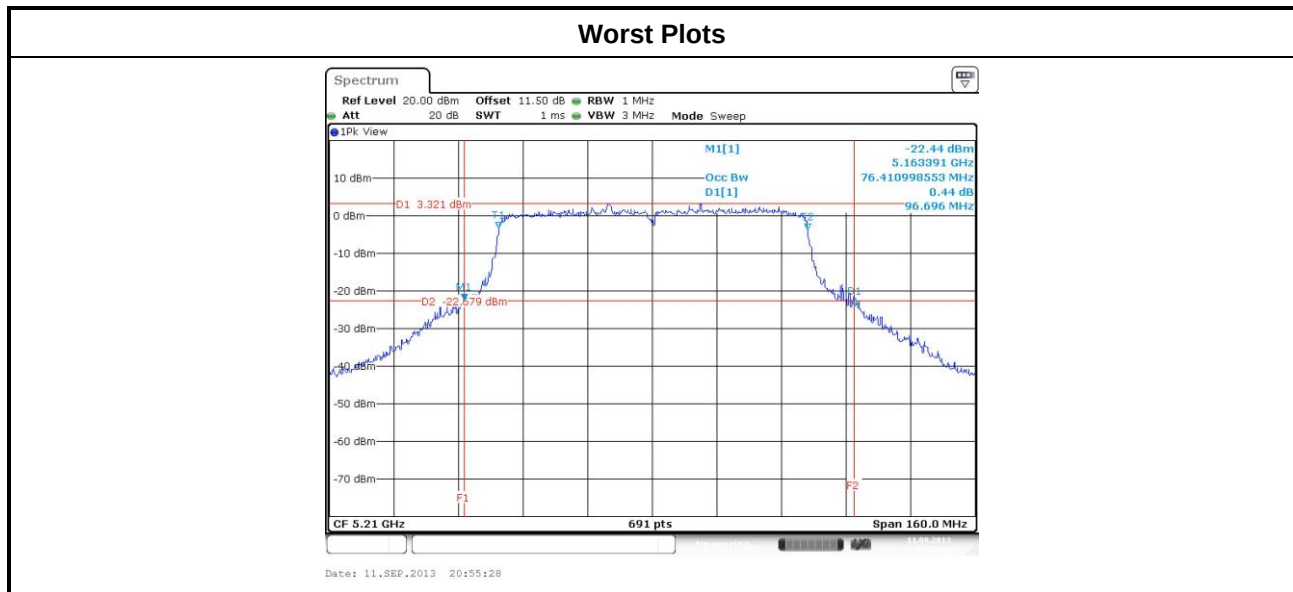
Emission Bandwidth										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)			99% Bandwidth (MHz)			26dB Limit	99% Limit
			Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2		
11a	3	5180	22.84	22.55	23.36	17.08	16.90	16.85	17.00	16.27
11a	3	5200	23.71	22.78	22.38	17.13	16.90	16.85	17.00	16.27
11a	3	5240	23.48	23.01	22.96	17.13	16.96	16.90	17.00	16.28
VHT20	3	5180	24.00	23.77	23.59	18.12	18.12	18.00	17.00	16.55
VHT20	3	5200	23.71	23.83	24.23	18.18	18.12	18.12	17.00	16.58
VHT20	3	5240	24.35	24.12	24.06	18.23	18.12	18.06	17.00	16.57
VHT40	3	5190	47.30	46.15	46.15	37.51	37.28	37.28	17.00	17.00
VHT40	3	5230	48.35	47.19	46.84	37.28	37.28	37.28	17.00	17.00
VHT80	3	5210	97.39	93.91	97.16	75.95	76.18	76.18	17.00	17.00

Worst Plots



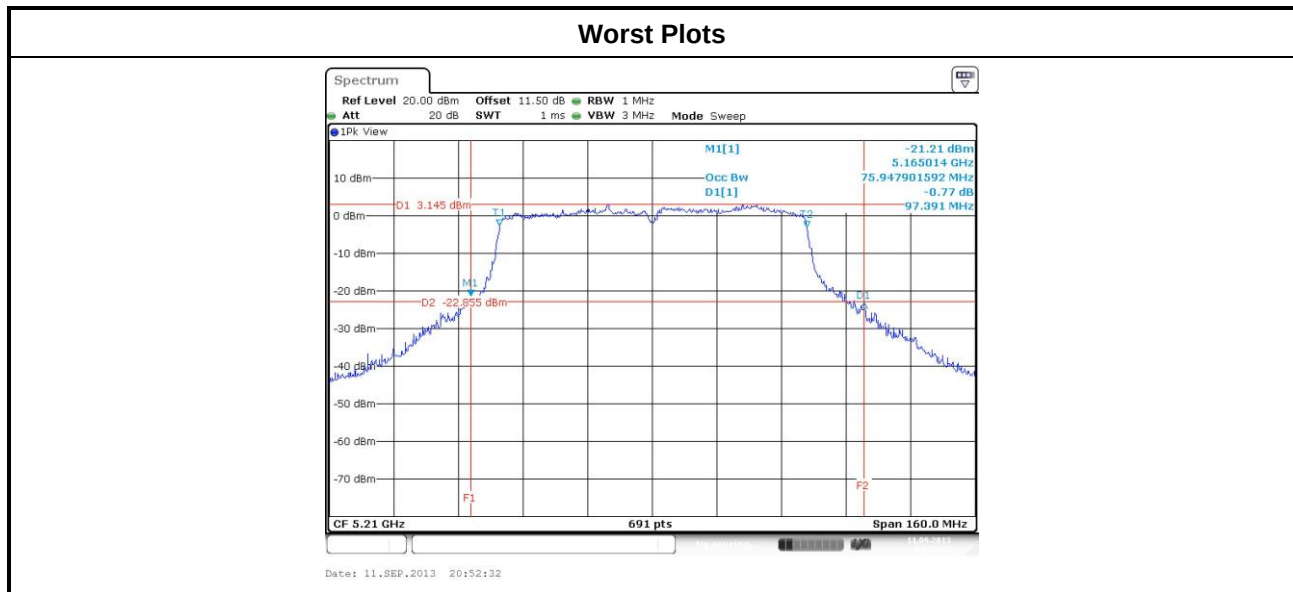
Test Configuration 4

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	5180	22.84	22.55	23.36	17.08	16.90	16.85	17.00	16.27
11a	3	5200	23.71	22.78	22.38	17.13	16.90	16.85	17.00	16.27
11a	3	5240	23.48	23.01	22.96	17.13	16.96	16.90	17.00	16.28
VHT20	3	5180	24.00	23.77	23.59	18.12	18.12	18.00	17.00	16.55
VHT20	3	5200	23.71	23.83	24.23	18.18	18.12	18.12	17.00	16.58
VHT20	3	5240	24.35	24.12	24.06	18.23	18.12	18.06	17.00	16.57
VHT40	3	5190	47.30	46.15	46.15	37.51	37.28	37.28	17.00	17.00
VHT40	3	5230	48.35	47.19	46.84	37.28	37.28	37.28	17.00	17.00
VHT80	3	5210	92.29	92.99	96.70	76.18	95.95	76.41	17.00	17.00



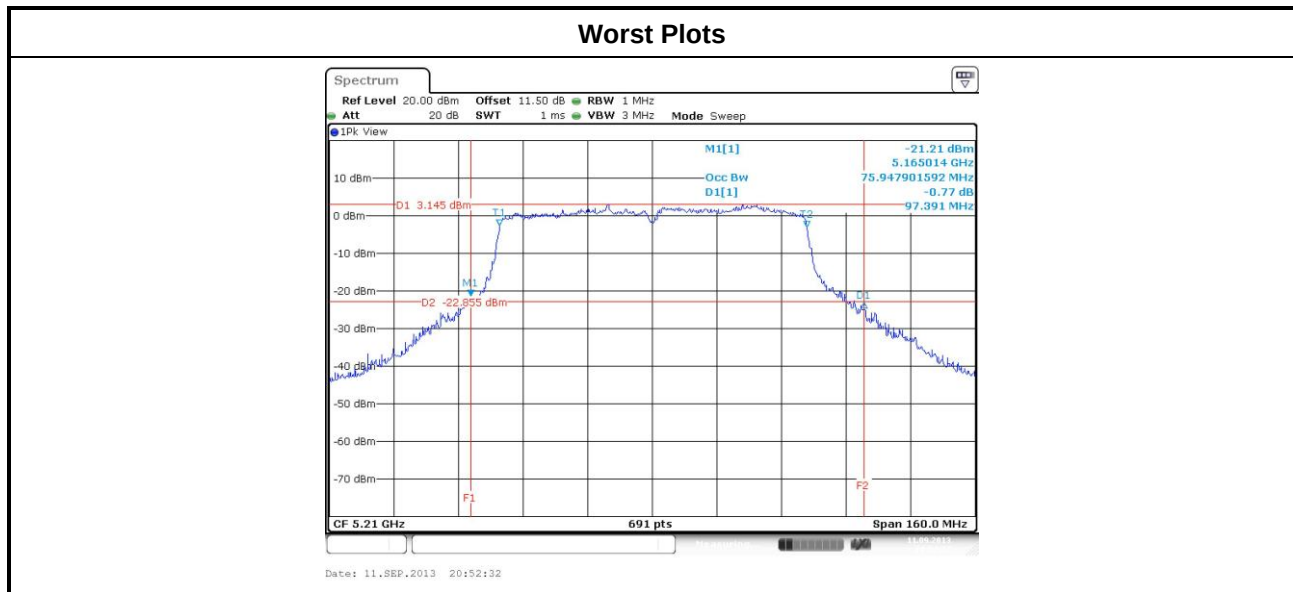
Test Configuration 5

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	5180	24.17	24.99	24.70	17.02	17.13	17.13	17.00	16.31
11a	3	5200	24.64	25.22	24.75	17.08	17.08	17.08	17.00	16.32
11a	3	5240	25.04	24.99	25.22	17.08	17.13	17.13	17.00	16.32
VHT20	3	5180	25.33	25.74	25.91	18.12	18.12	18.12	17.00	16.58
VHT20	3	5200	25.57	25.33	25.97	18.18	18.12	18.18	17.00	16.58
VHT20	3	5240	25.74	25.80	26.67	18.12	18.18	18.18	17.00	16.58
VHT40	3	5190	47.19	46.84	46.49	37.40	37.28	37.40	17.00	17.00
VHT40	3	5230	47.07	46.73	45.33	37.51	37.28	37.28	17.00	17.00
VHT80	3	5210	97.39	93.91	97.16	75.95	76.18	76.18	17.00	17.00



Test Configuration 6

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	5180	25.68	24.87	24.23	17.08	17.02	16.96	17.00	16.29
11a	3	5200	25.16	24.75	24.06	17.13	17.13	17.02	17.00	16.31
11a	3	5240	26.09	25.33	24.93	17.13	17.13	17.13	17.00	16.34
VHT20	3	5180	26.49	26.03	25.33	18.18	18.12	18.12	17.00	16.58
VHT20	3	5200	25.22	25.62	25.68	18.18	18.12	18.12	17.00	16.58
VHT20	3	5240	25.39	25.68	25.57	18.18	18.12	18.12	17.00	16.58
VHT40	3	5190	47.19	46.84	46.49	37.40	37.28	37.40	17.00	17.00
VHT40	3	5230	47.07	46.73	45.33	37.51	37.28	37.28	17.00	17.00
VHT80	3	5210	97.39	93.91	97.16	75.95	76.18	76.18	17.00	17.00



3.3 RF Output Power

3.3.1 Limit of RF Output Power

	Frequency Band (GHz)	Limit
☒	5.15~5.25	50mW or 4dBm+10 log B
☐	5.25~5.35	250mW or 11dBm+10 log B
☐	5.47~5.725	250mW or 11dBm+10 log B

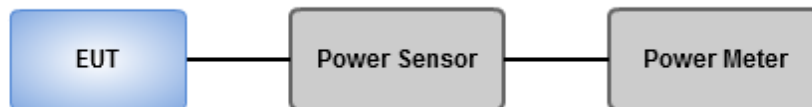
Note: "B" is the 26dB emission bandwidth in MHz.

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

Test Configuration 1

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	9.52	10.29	9.34	28.234	14.51	17.00
11a	3	5200	9.59	10.30	9.78	29.320	14.67	17.00
11a	3	5240	9.34	10.12	9.72	28.246	14.51	17.00
HT20	3	5180	9.65	10.60	9.65	29.933	14.76	17.00
HT20	3	5200	9.87	10.44	9.80	30.321	14.82	17.00
HT20	3	5240	9.76	10.46	10.01	30.603	14.86	17.00
HT40	3	5190	11.38	12.03	11.59	44.120	16.45	17.00
HT40	3	5230	11.41	12.00	11.78	44.751	16.51	17.00
VHT20	3	5180	9.88	10.68	9.75	30.863	14.89	17.00
VHT20	3	5200	9.95	10.69	10.01	31.631	15.00	17.00
VHT20	3	5240	9.88	10.61	9.98	31.190	14.94	17.00
VHT40	3	5190	11.42	12.06	11.66	44.592	16.49	17.00
VHT40	3	5230	11.46	12.08	11.86	45.486	16.58	17.00
VHT80	3	5210	11.48	11.89	11.52	43.704	16.41	17.00

Test Configuration 2

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	6.82	7.40	6.45	14.720	11.68	17.00
11a	3	5200	6.81	7.41	6.94	15.249	11.83	17.00
11a	3	5240	6.68	7.34	6.72	14.775	11.70	17.00
HT20	3	5180	6.68	7.26	6.59	14.537	11.62	17.00
HT20	3	5200	6.78	7.39	6.84	15.078	11.78	17.00
HT20	3	5240	6.62	7.30	6.61	14.544	11.63	17.00
HT40	3	5190	10.32	10.93	10.42	34.168	15.34	17.00
HT40	3	5230	10.26	10.86	10.58	34.236	15.34	17.00
VHT20	3	5180	6.73	7.30	6.62	14.672	11.66	17.00
VHT20	3	5200	6.85	7.46	6.92	15.334	11.86	17.00
VHT20	3	5240	6.62	7.32	6.67	14.632	11.65	17.00
VHT40	3	5190	10.35	11.01	10.52	34.730	15.41	17.00
VHT40	3	5230	10.34	11.03	10.62	35.025	15.44	17.00
VHT80	3	5210	11.48	11.89	11.52	43.704	16.41	17.00

Test Configuration 3

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	6.82	7.40	6.45	14.720	11.68	17.00
11a	3	5200	6.81	7.41	6.94	15.249	11.83	17.00
11a	3	5240	6.68	7.34	6.72	14.775	11.70	17.00
HT20	3	5180	6.68	7.26	6.59	14.537	11.62	17.00
HT20	3	5200	6.78	7.39	6.84	15.078	11.78	17.00
HT20	3	5240	6.62	7.30	6.61	14.544	11.63	17.00
HT40	3	5190	10.32	10.93	10.42	34.168	15.34	17.00
HT40	3	5230	10.26	10.86	10.58	34.236	15.34	17.00
VHT20	3	5180	6.73	7.30	6.62	14.672	11.66	17.00
VHT20	3	5200	6.85	7.46	6.92	15.334	11.86	17.00
VHT20	3	5240	6.62	7.32	6.67	14.632	11.65	17.00
VHT40	3	5190	10.35	11.01	10.52	34.730	15.41	17.00
VHT40	3	5230	10.34	11.03	10.62	35.025	15.44	17.00
VHT80	3	5210	11.48	11.89	11.52	43.704	16.41	17.00

Test Configuration 4

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	6.82	7.40	6.45	14.720	11.68	17.00
11a	3	5200	6.81	7.41	6.94	15.249	11.83	17.00
11a	3	5240	6.68	7.34	6.72	14.775	11.70	17.00
HT20	3	5180	6.68	7.26	6.59	14.537	11.62	17.00
HT20	3	5200	6.78	7.39	6.84	15.078	11.78	17.00
HT20	3	5240	6.62	7.30	6.61	14.544	11.63	17.00
HT40	3	5190	10.32	10.93	10.42	34.168	15.34	17.00
HT40	3	5230	10.26	10.86	10.58	34.236	15.34	17.00
VHT20	3	5180	6.73	7.30	6.62	14.672	11.66	17.00
VHT20	3	5200	6.85	7.46	6.92	15.334	11.86	17.00
VHT20	3	5240	6.62	7.32	6.67	14.632	11.65	17.00
VHT40	3	5190	10.35	11.01	10.52	34.730	15.41	17.00
VHT40	3	5230	10.34	11.03	10.62	35.025	15.44	17.00
VHT80	3	5210	10.65	11.23	11.18	38.010	15.80	17.00

Test Configuration 5

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	11.35	11.32	11.35	40.844	16.11	17.00
11a	3	5200	11.29	11.31	11.33	40.562	16.08	17.00
11a	3	5240	11.42	11.36	11.36	41.222	16.15	17.00
HT20	3	5180	11.34	11.30	11.37	40.813	16.11	17.00
HT20	3	5200	11.31	11.24	11.32	40.377	16.06	17.00
HT20	3	5240	11.40	11.36	11.38	41.222	16.15	17.00
HT40	3	5190	11.38	12.03	11.59	44.120	16.45	17.00
HT40	3	5230	11.41	12.00	11.78	44.751	16.51	17.00
VHT20	3	5180	11.39	11.38	11.40	41.316	16.16	17.00
VHT20	3	5200	11.39	11.32	11.42	41.192	16.15	17.00
VHT20	3	5240	11.42	11.40	11.43	41.571	16.19	17.00
VHT40	3	5190	11.42	12.06	11.66	44.592	16.49	17.00
VHT40	3	5230	11.46	12.08	11.86	45.486	16.58	17.00
VHT80	3	5210	11.48	11.89	11.52	43.704	16.41	17.00

Test Configuration 6

RF Output Power (dBm)								
Mode	N _{TX}	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Total Power (mW)	Total Power (dBm)	Limit
11a	3	5180	8.33	8.33	8.31	20.392	13.09	17.00
11a	3	5200	8.31	8.26	8.30	20.236	13.06	17.00
11a	3	5240	8.40	8.34	8.31	20.518	13.12	17.00
HT20	3	5180	8.30	8.26	8.22	20.097	13.03	17.00
HT20	3	5200	8.29	8.26	8.31	20.221	13.06	17.00
HT20	3	5240	8.40	8.31	8.33	20.502	13.12	17.00
HT40	3	5190	11.38	12.03	11.59	44.120	16.45	17.00
HT40	3	5230	11.41	12.00	11.78	44.751	16.51	17.00
VHT20	3	5180	8.36	8.33	8.36	20.517	13.12	17.00
VHT20	3	5200	8.41	8.30	8.40	20.613	13.14	17.00
VHT20	3	5240	8.39	8.40	8.36	20.676	13.15	17.00
VHT40	3	5190	11.42	12.06	11.66	44.592	16.49	17.00
VHT40	3	5230	11.46	12.08	11.86	45.486	16.58	17.00
VHT80	3	5210	11.48	11.89	11.52	43.704	16.41	17.00

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

	Frequency Band (GHz)	Limit (dBm)
☒	5.15~5.25	4
☐	5.25~5.35	11
☐	5.47~5.725	11

3.4.2 Test Procedures

☒ Method SA-1 (for 11a, HT20, VHT20)

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

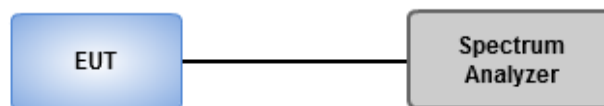
☐ Method SA-2

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{symbol period of the transmitted signal})$.
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.

☒ Method SA-2 Alternative (for HT40, VHT40, VHT80)

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

3.4.3 Test Setup



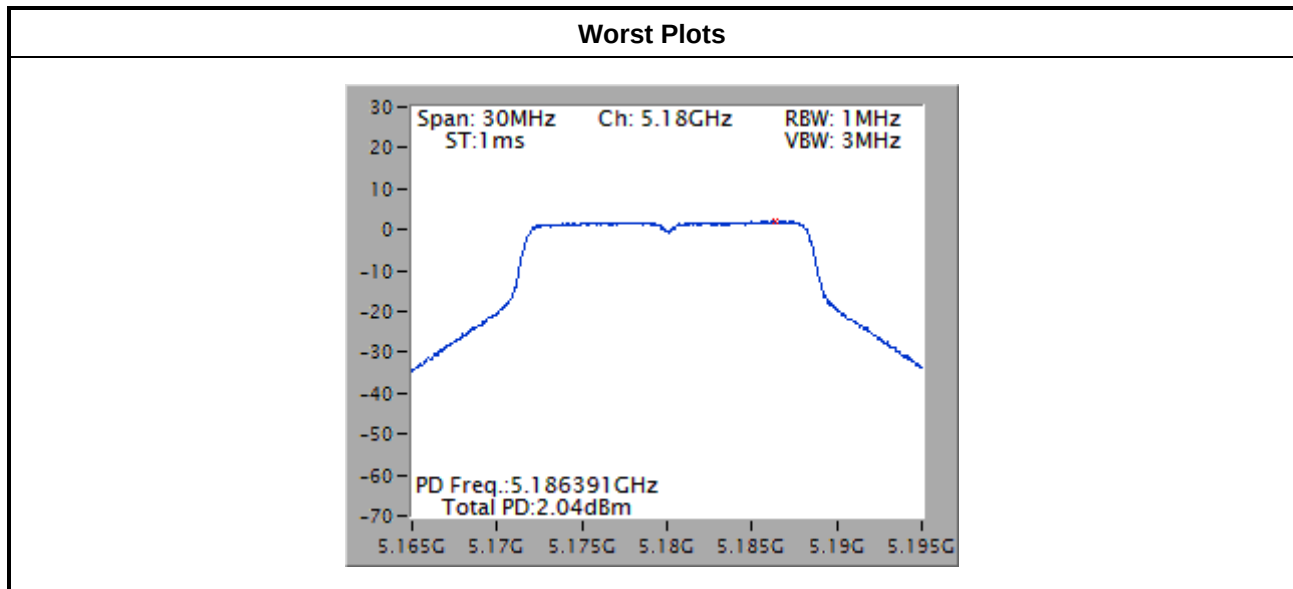
3.4.4 Test Result of Peak Power Spectral Density

Test Configuration 1

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	2.04	0.00	2.04	2.23
11a	3	5200	1.68	0.00	1.68	2.23
11a	3	5240	1.71	0.00	1.71	2.23
VHT20	3	5180	1.58	0.00	1.58	2.23
VHT20	3	5200	1.66	0.00	1.66	2.23
VHT20	3	5240	1.91	0.00	1.91	2.23
VHT40	3	5190	0.19	0.18	0.37	2.23
VHT40	3	5230	0.17	0.18	0.35	2.23
VHT80	3	5210	-4.00	0.44	-3.56	2.23

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $3 + 10 \cdot \log(3/1) = 7.77 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (7.77 \text{ dBi} - 6 \text{ dBi}) = 2.23 \text{ dBm}$

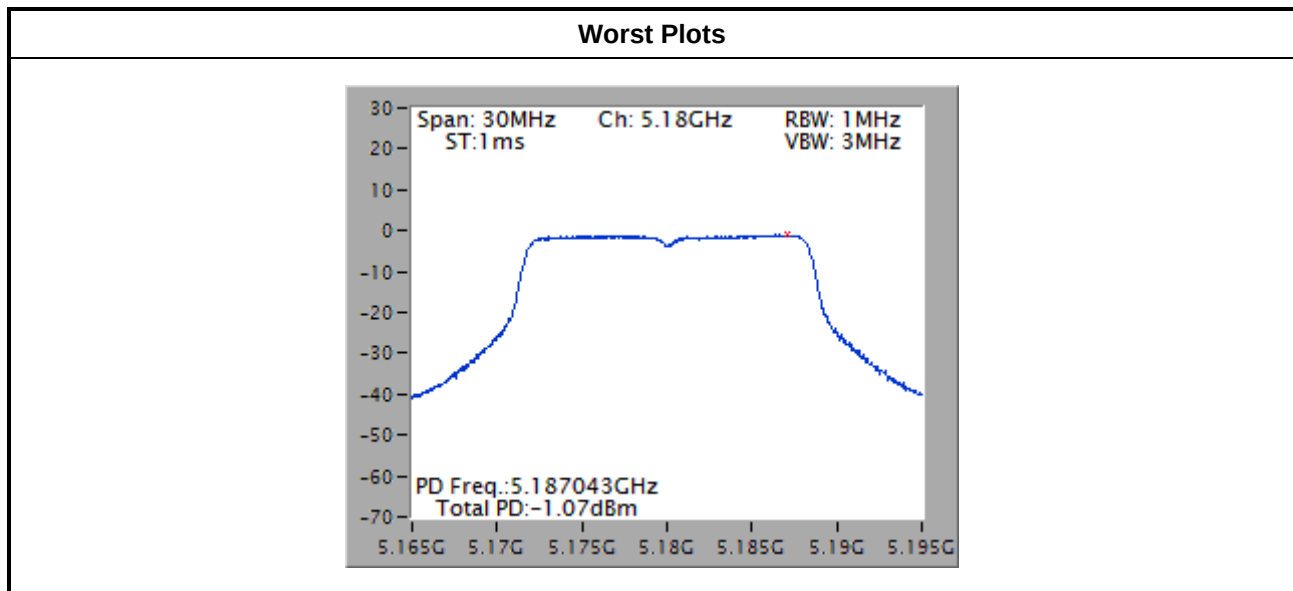


Test Configuration 2

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	-1.07	0.00	-1.07	-0.77
11a	3	5200	-1.09	0.00	-1.09	-0.77
11a	3	5240	-1.18	0.00	-1.18	-0.77
VHT20	3	5180	-1.50	0.00	-1.50	-0.77
VHT20	3	5200	-1.49	0.00	-1.49	-0.77
VHT20	3	5240	-1.33	0.00	-1.33	-0.77
VHT40	3	5190	-1.33	0.18	-1.15	-0.77
VHT40	3	5230	-1.18	0.18	-1.00	-0.77
VHT80	3	5210	-4.00	0.44	-3.56	-0.77

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $6 + 10 \cdot \log(3/1) = 10.77 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (10.77 \text{ dBi} - 6 \text{ dBi}) = -0.77 \text{ dBm}$

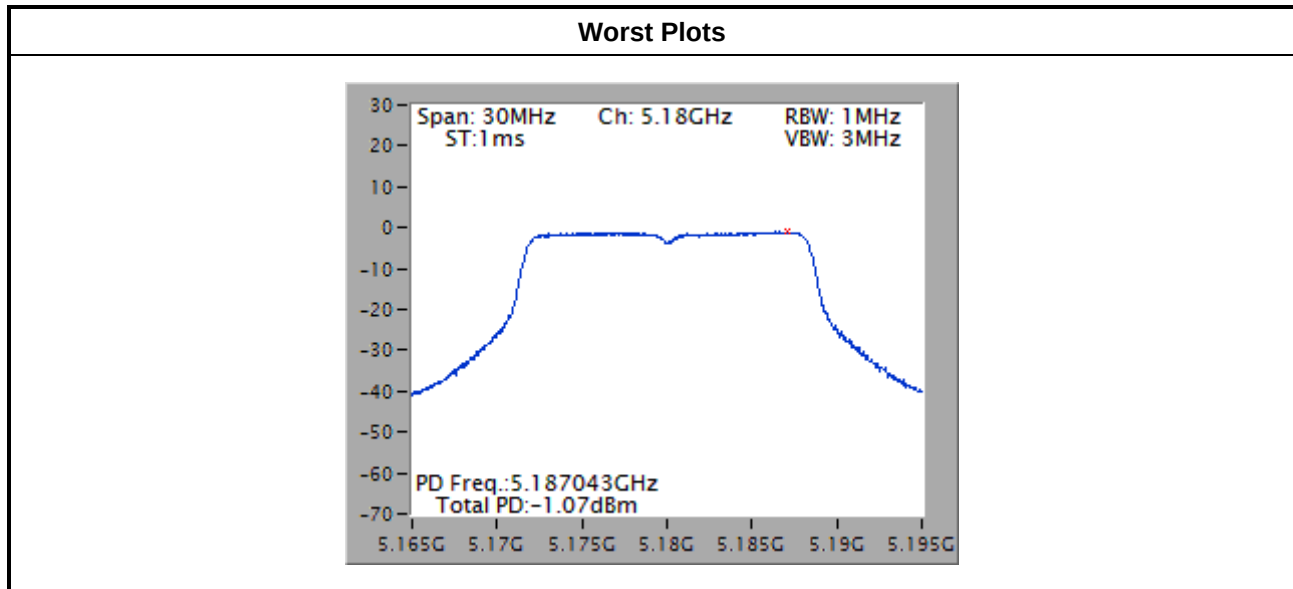


Test Configuration 3

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	-1.07	0.00	-1.07	-0.27
11a	3	5200	-1.09	0.00	-1.09	-0.27
11a	3	5240	-1.18	0.00	-1.18	-0.27
VHT20	3	5180	-1.50	0.00	-1.50	-0.27
VHT20	3	5200	-1.49	0.00	-1.49	-0.27
VHT20	3	5240	-1.33	0.00	-1.33	-0.27
VHT40	3	5190	-1.33	0.18	-1.15	-0.27
VHT40	3	5230	-1.18	0.18	-1.00	-0.27
VHT80	3	5210	-4.00	0.44	-3.56	-0.27

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $5.5 + 10 \cdot \log(3/1) = 10.27 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (10.27 \text{ dBi} - 6 \text{ dBi}) = -0.27 \text{ dBm}$



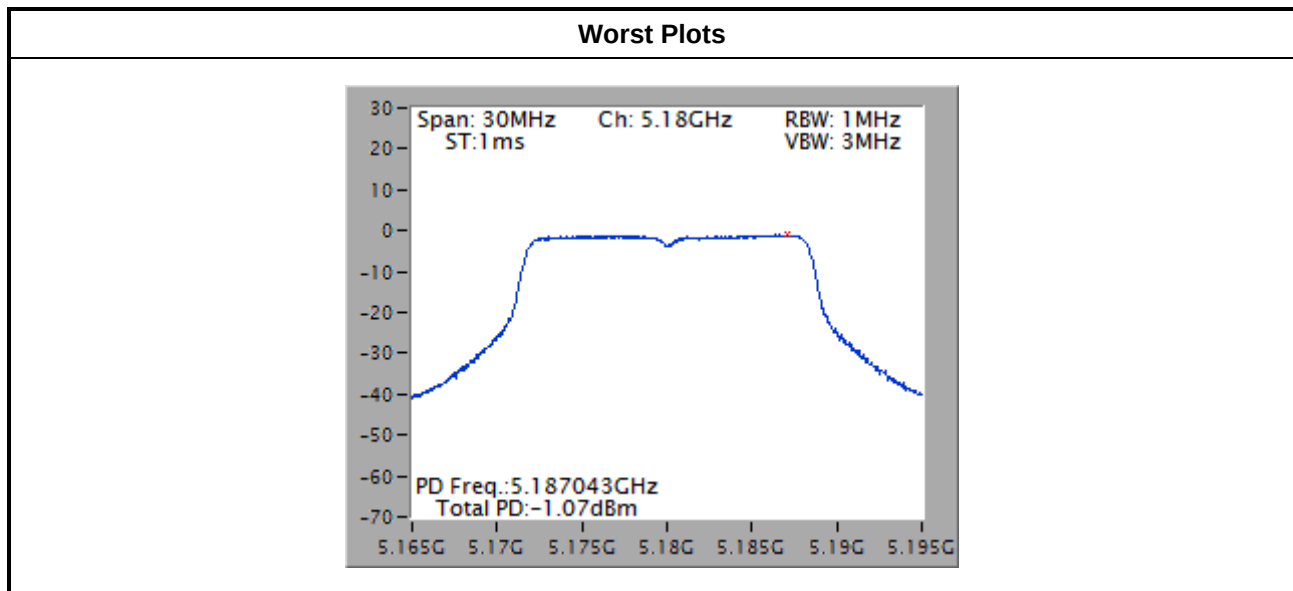
Note: Power density plot without duty factor.

Test Configuration 4

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	-1.07	0.00	-1.07	-0.77
11a	3	5200	-1.09	0.00	-1.09	-0.77
11a	3	5240	-1.18	0.00	-1.18	-0.77
VHT20	3	5180	-1.50	0.00	-1.50	-0.77
VHT20	3	5200	-1.49	0.00	-1.49	-0.77
VHT20	3	5240	-1.33	0.00	-1.33	-0.77
VHT40	3	5190	-1.33	0.18	-1.15	-0.77
VHT40	3	5230	-1.18	0.18	-1.00	-0.77
VHT80	3	5210	-4.40	0.44	-3.96	-0.77

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $6 + 10 \cdot \log(3/1) = 10.77 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (10.77 \text{ dBi} - 6 \text{ dBi}) = -0.77 \text{ dBm}$

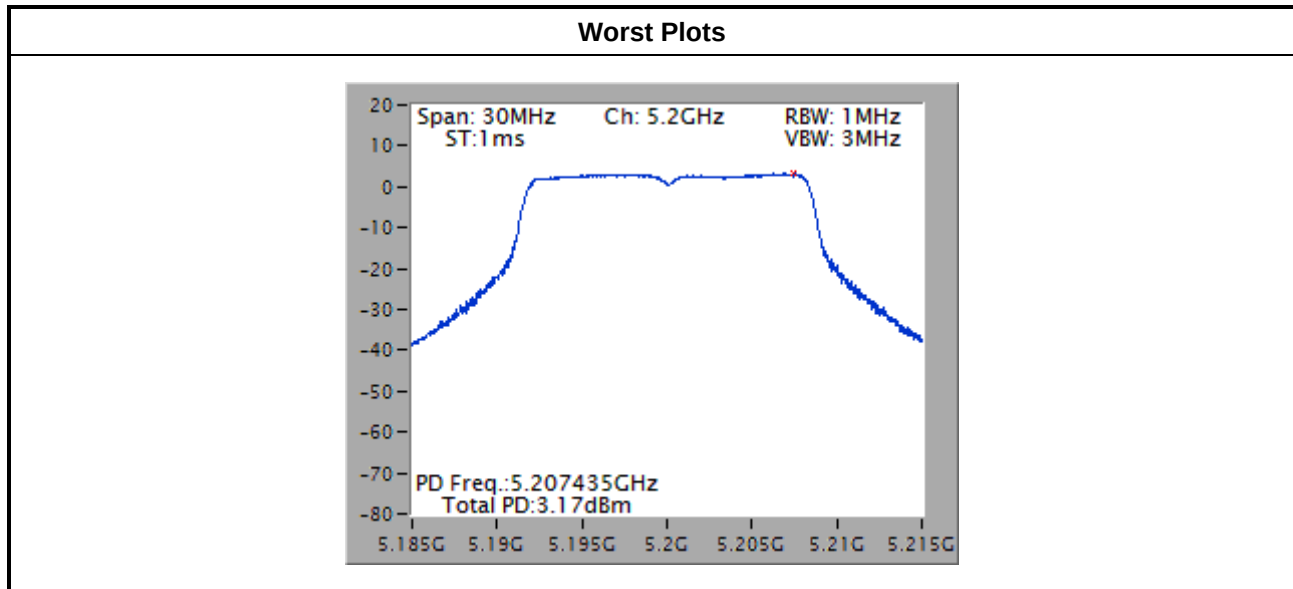


Test Configuration 5

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	3.11	0.00	3.11	3.23
11a	3	5200	3.17	0.00	3.17	3.23
11a	3	5240	3.16	0.00	3.16	3.23
VHT20	3	5180	2.73	0.00	2.73	3.23
VHT20	3	5200	2.52	0.00	2.52	3.23
VHT20	3	5240	3.09	0.00	3.09	3.23
VHT40	3	5190	0.19	0.18	0.37	3.23
VHT40	3	5230	0.17	0.18	0.35	3.23
VHT80	3	5210	-4.00	0.44	-3.56	3.23

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $2 + 10 \cdot \log(3/1) = 6.77 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (6.77 \text{ dBi} - 6 \text{ dBi}) = 3.23 \text{ dBm}$

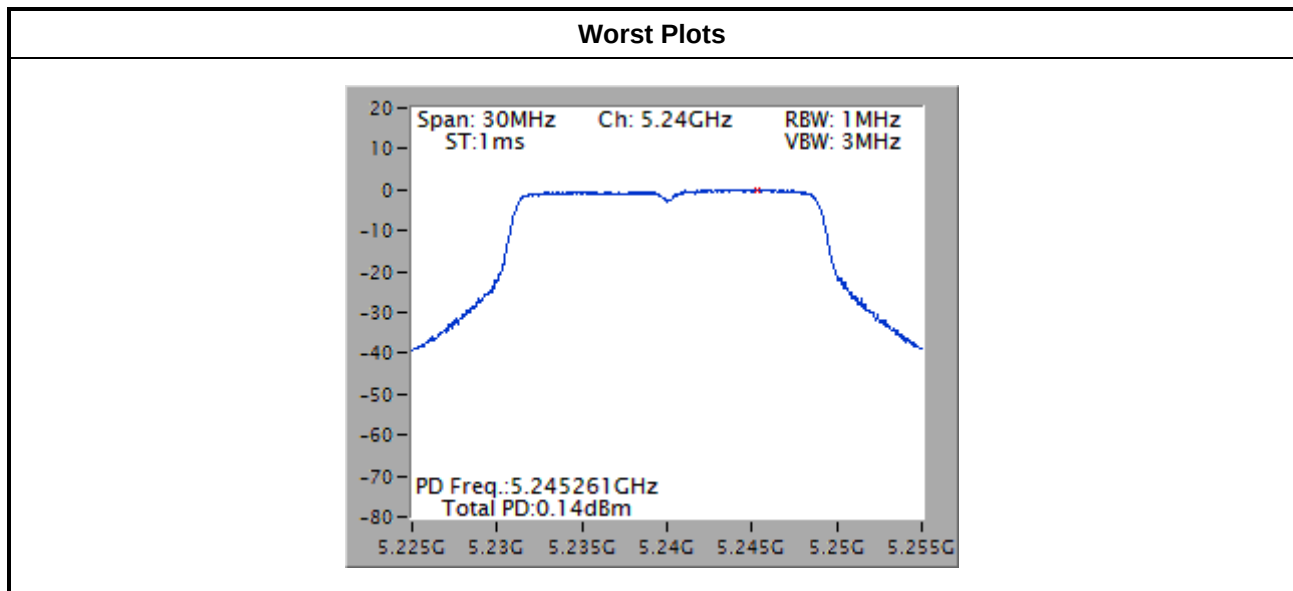


Test Configuration 6

Peak Power Spectral Density (dBm)						
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	3	5180	-0.16	0.00	-0.16	0.23
11a	3	5200	-0.24	0.00	-0.24	0.23
11a	3	5240	-0.29	0.00	-0.29	0.23
VHT20	3	5180	-0.27	0.00	-0.27	0.23
VHT20	3	5200	0.08	0.00	0.08	0.23
VHT20	3	5240	0.14	0.00	0.14	0.23
VHT40	3	5190	-0.52	0.18	-0.34	0.23
VHT40	3	5230	-0.70	0.18	-0.52	0.23
VHT80	3	5210	-4.00	0.44	-3.56	0.23

Note:

1. D.F is duty factor
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $5 + 10 \cdot \log(3/1) = 9.77 \text{ dBi} > 6 \text{ dBi}$
Limit shall be reduced to $4 \text{ dBm} - (9.77 \text{ dBi} - 6 \text{ dBi}) = 0.23 \text{ dBm}$



3.5 Peak Excursion

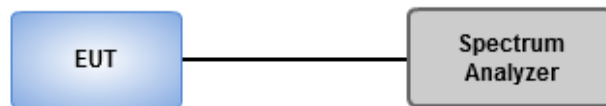
3.5.1 Peak Excursion Limit

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



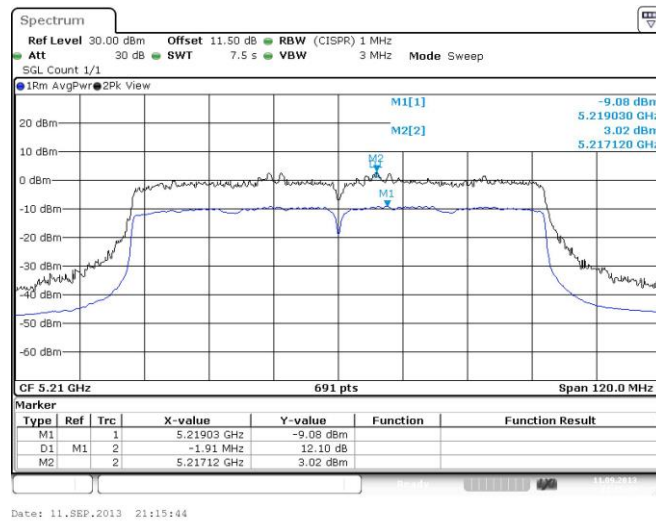
3.5.4 Test Result of Peak Excursion

Test Configuration 1

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.78	0.00	7.78	13
11a	QPSK	3	5200	8.91	0.19	8.72	13
11a	16QAM	3	5200	9.75	0.37	9.38	13
11a	64QAM	3	5200	10.1	0.76	9.34	13
VHT20	BPSK	3	5200	7.95	0.00	7.95	13
VHT20	QPSK	3	5200	8.96	0.21	8.75	13
VHT20	16QAM	3	5200	9.43	0.42	9.01	13
VHT20	64QAM	3	5200	10.11	0.74	9.37	13
VHT20	256QAM	3	5200	10.2	1.06	9.14	13
VHT40	BPSK	3	5230	9.19	0.18	9.01	13
VHT40	QPSK	3	5230	9.74	0.46	9.28	13
VHT40	16QAM	3	5230	9.86	0.75	9.11	13
VHT40	64QAM	3	5230	10.16	1.28	8.88	13
VHT40	256QAM	3	5230	10.34	1.60	8.74	13
VHT80	BPSK	3	5210	9.61	0.44	9.17	13
VHT80	QPSK	3	5210	10.97	0.81	10.16	13
VHT80	16QAM	3	5210	12.1	1.42	10.68	13
VHT80	64QAM	3	5210	10.81	1.91	8.90	13
VHT80	256QAM	3	5210	11.3	2.32	8.98	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



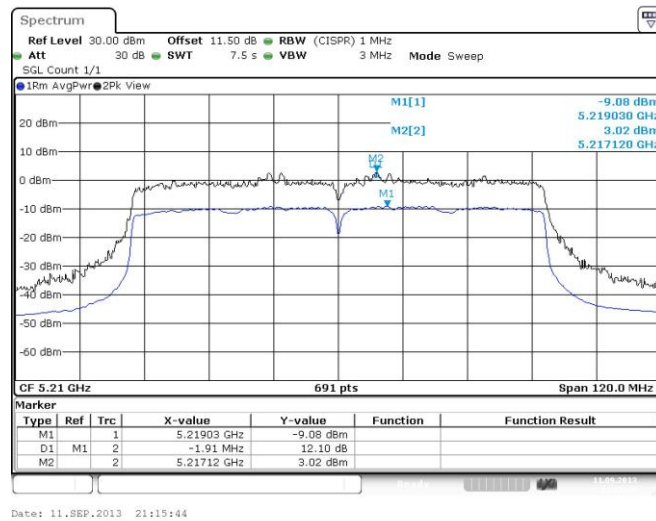
Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

Test Configuration 2

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.73	0.00	7.73	13
11a	QPSK	3	5200	9.14	0.19	8.95	13
11a	16QAM	3	5200	9.24	0.37	8.87	13
11a	64QAM	3	5200	9.75	0.76	8.99	13
VHT20	BPSK	3	5200	7.7	0.00	7.70	13
VHT20	QPSK	3	5200	8.86	0.21	8.65	13
VHT20	16QAM	3	5200	9.51	0.42	9.09	13
VHT20	64QAM	3	5200	9.9	0.74	9.16	13
VHT20	256QAM	3	5200	10.44	1.06	9.38	13
VHT40	BPSK	3	5230	8.14	0.18	7.96	13
VHT40	QPSK	3	5230	8.51	0.46	8.05	13
VHT40	16QAM	3	5230	9.09	0.75	8.34	13
VHT40	64QAM	3	5230	10.15	1.28	8.87	13
VHT40	256QAM	3	5230	10.13	1.60	8.53	13
VHT80	BPSK	3	5210	9.61	0.44	9.17	13
VHT80	QPSK	3	5210	10.97	0.81	10.16	13
VHT80	16QAM	3	5210	12.1	1.42	10.68	13
VHT80	64QAM	3	5210	10.81	1.91	8.90	13
VHT80	256QAM	3	5210	11.3	2.32	8.98	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



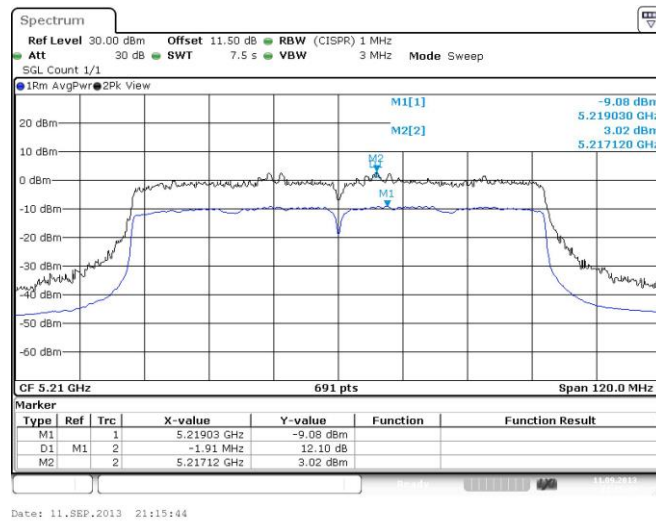
Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

Test Configuration 3

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.73	0.00	7.73	13
11a	QPSK	3	5200	9.14	0.19	8.95	13
11a	16QAM	3	5200	9.24	0.37	8.87	13
11a	64QAM	3	5200	9.75	0.76	8.99	13
VHT20	BPSK	3	5200	7.7	0.00	7.70	13
VHT20	QPSK	3	5200	8.86	0.21	8.65	13
VHT20	16QAM	3	5200	9.51	0.42	9.09	13
VHT20	64QAM	3	5200	9.9	0.74	9.16	13
VHT20	256QAM	3	5200	10.44	1.06	9.38	13
VHT40	BPSK	3	5230	8.14	0.18	7.96	13
VHT40	QPSK	3	5230	8.51	0.46	8.05	13
VHT40	16QAM	3	5230	9.09	0.75	8.34	13
VHT40	64QAM	3	5230	10.15	1.28	8.87	13
VHT40	256QAM	3	5230	10.13	1.60	8.53	13
VHT80	BPSK	3	5210	9.61	0.44	9.17	13
VHT80	QPSK	3	5210	10.97	0.81	10.16	13
VHT80	16QAM	3	5210	12.1	1.42	10.68	13
VHT80	64QAM	3	5210	10.81	1.91	8.90	13
VHT80	256QAM	3	5210	11.3	2.32	8.98	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



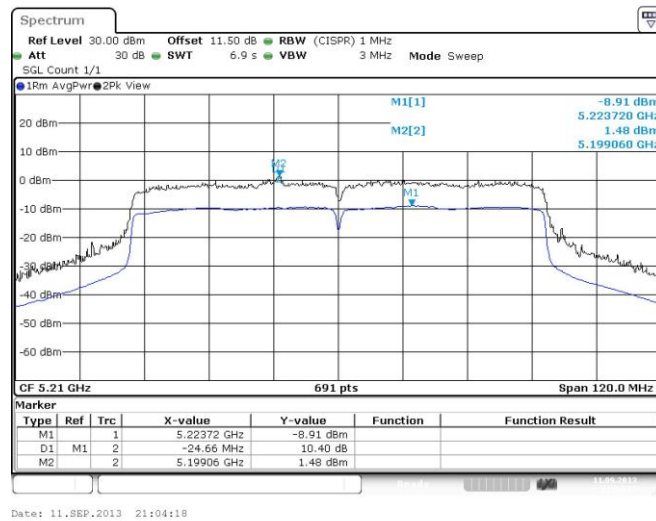
Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

Test Configuration 4

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.73	0.00	7.73	13
11a	QPSK	3	5200	9.14	0.19	8.95	13
11a	16QAM	3	5200	9.24	0.37	8.87	13
11a	64QAM	3	5200	9.75	0.76	8.99	13
VHT20	BPSK	3	5200	7.7	0.00	7.70	13
VHT20	QPSK	3	5200	8.86	0.21	8.65	13
VHT20	16QAM	3	5200	9.51	0.42	9.09	13
VHT20	64QAM	3	5200	9.9	0.74	9.16	13
VHT20	256QAM	3	5200	10.44	1.06	9.38	13
VHT40	BPSK	3	5230	8.14	0.18	7.96	13
VHT40	QPSK	3	5230	8.51	0.46	8.05	13
VHT40	16QAM	3	5230	9.09	0.75	8.34	13
VHT40	64QAM	3	5230	10.15	1.28	8.87	13
VHT40	256QAM	3	5230	10.13	1.60	8.53	13
VHT80	BPSK	3	5210	10.4	0.44	9.96	13
VHT80	QPSK	3	5210	10.46	0.81	9.65	13
VHT80	16QAM	3	5210	11.19	1.42	9.77	13
VHT80	64QAM	3	5210	10.2	1.91	8.29	13
VHT80	256QAM	3	5210	10.75	2.32	8.43	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



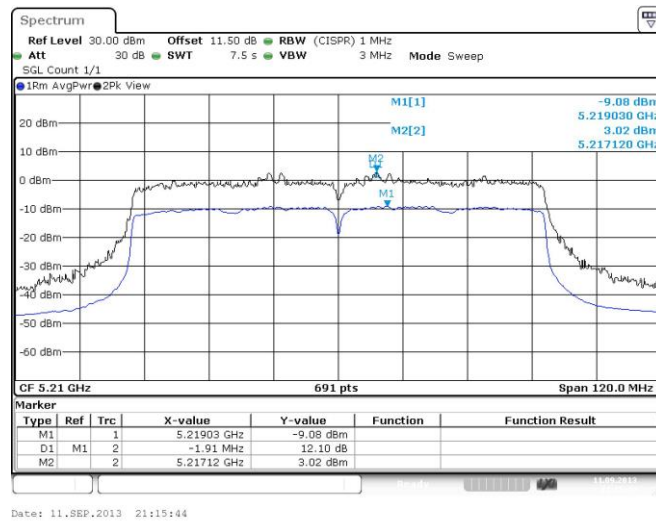
Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

Test Configuration 5

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.7	0.00	7.70	13
11a	QPSK	3	5200	8.8	0.19	8.61	13
11a	16QAM	3	5200	9.34	0.37	8.97	13
11a	64QAM	3	5200	9.55	0.76	8.79	13
VHT20	BPSK	3	5200	8.95	0.00	8.95	13
VHT20	QPSK	3	5200	9.5	0.21	9.29	13
VHT20	16QAM	3	5200	9.41	0.42	8.99	13
VHT20	64QAM	3	5200	10.55	0.74	9.81	13
VHT20	256QAM	3	5200	11.08	1.06	10.02	13
VHT40	BPSK	3	5230	9.19	0.18	9.01	13
VHT40	QPSK	3	5230	9.74	0.46	9.28	13
VHT40	16QAM	3	5230	9.84	0.75	9.09	13
VHT40	64QAM	3	5230	10.15	1.28	8.87	13
VHT40	256QAM	3	5230	10.27	1.60	8.67	13
VHT80	BPSK	3	5210	9.61	0.44	9.17	13
VHT80	QPSK	3	5210	10.97	0.81	10.16	13
VHT80	16QAM	3	5210	12.1	1.42	10.68	13
VHT80	64QAM	3	5210	10.81	1.91	8.90	13
VHT80	256QAM	3	5210	11.3	2.32	8.98	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



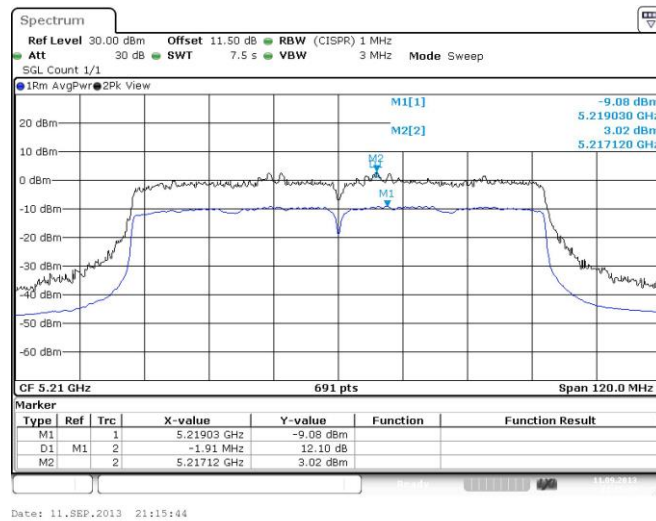
Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

Test Configuration 6

Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	3	5200	7.86	0.00	7.86	13
11a	QPSK	3	5200	9.25	0.19	9.06	13
11a	16QAM	3	5200	9.78	0.37	9.41	13
11a	64QAM	3	5200	9.72	0.76	8.96	13
VHT20	BPSK	3	5200	7.56	0.00	7.56	13
VHT20	QPSK	3	5200	10.05	0.21	9.84	13
VHT20	16QAM	3	5200	9.64	0.42	9.22	13
VHT20	64QAM	3	5200	10.24	0.74	9.50	13
VHT20	256QAM	3	5200	10.31	1.06	9.25	13
VHT40	BPSK	3	5230	9.19	0.18	9.01	13
VHT40	QPSK	3	5230	9.74	0.46	9.28	13
VHT40	16QAM	3	5230	9.84	0.75	9.09	13
VHT40	64QAM	3	5230	10.15	1.28	8.87	13
VHT40	256QAM	3	5230	10.27	1.60	8.67	13
VHT80	BPSK	3	5210	9.61	0.44	9.17	13
VHT80	QPSK	3	5210	10.97	0.81	10.16	13
VHT80	16QAM	3	5210	12.1	1.42	10.68	13
VHT80	64QAM	3	5210	10.81	1.91	8.90	13
VHT80	256QAM	3	5210	11.3	2.32	8.98	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



Note: Peak excursion = Mark2 value – (Mark 1 value +duty factor)

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).

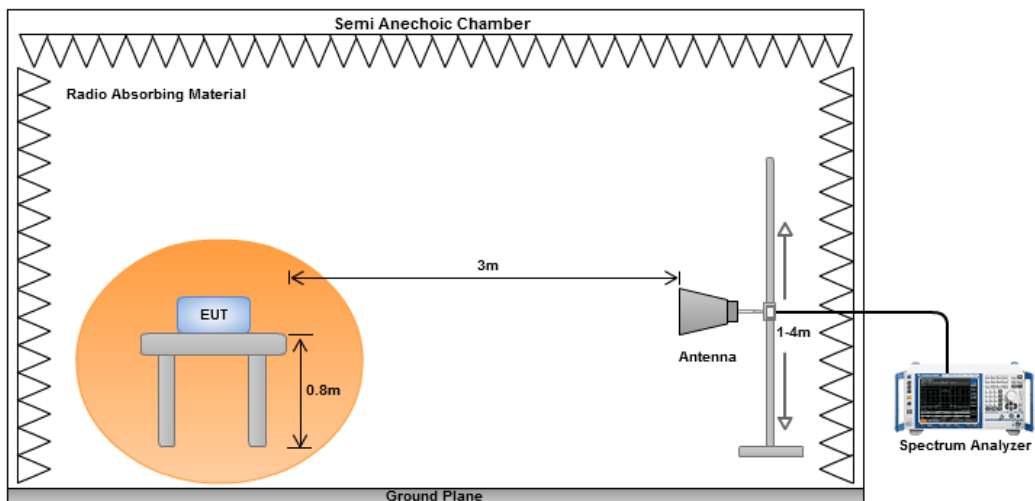
3.6.2 Test Procedures

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:

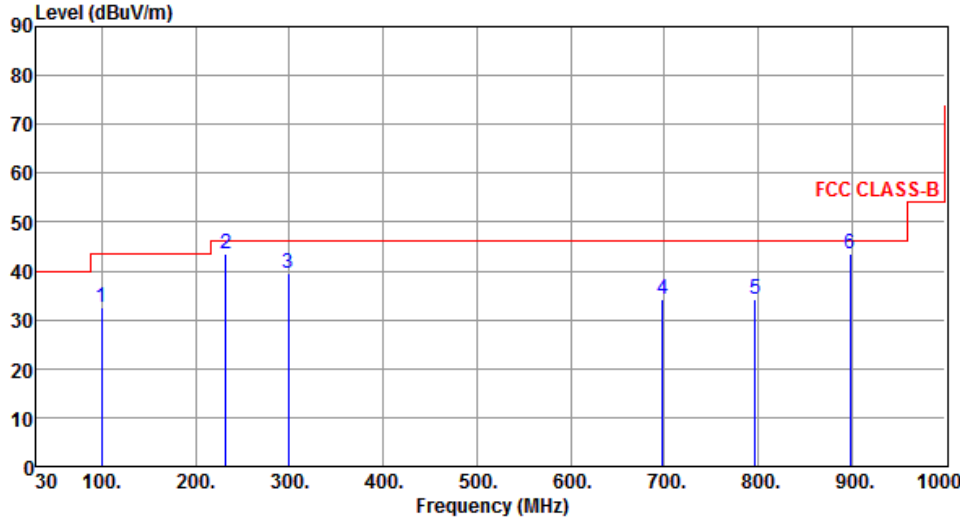
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.6.3 Test Setup



3.6.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

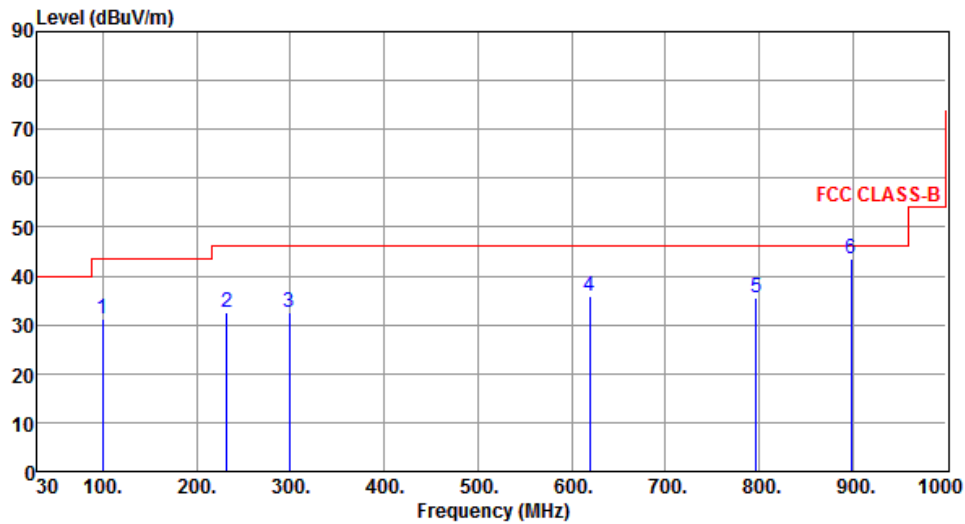
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	1



	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	32.55	43.50	-10.95	54.19	-21.64	Peak	---	---
2	231.76	43.40	46.00	-2.60	62.12	-18.72	QP	---	---
3	298.69	39.39	46.00	-6.61	55.65	-16.26	Peak	---	---
4	698.33	34.08	46.00	-11.92	42.35	-8.27	Peak	---	---
5	797.27	34.35	46.00	-11.65	41.14	-6.79	Peak	---	---
6	898.15	43.50	46.00	-2.50	49.04	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	1



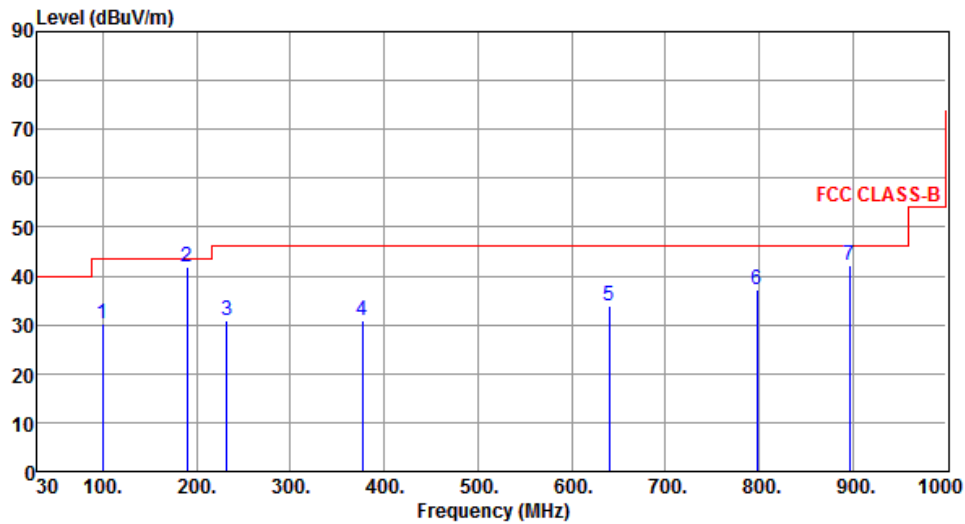
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	31.37	43.50	-12.13	53.01	-21.64	Peak	---	---
2	231.76	32.52	46.00	-13.48	51.24	-18.72	Peak	---	---
3	298.69	32.70	46.00	-13.30	48.96	-16.26	Peak	---	---
4	619.76	35.71	46.00	-10.29	45.17	-9.46	Peak	---	---
5	797.27	35.64	46.00	-10.36	42.43	-6.79	Peak	---	---
6	898.15	43.41	46.00	-2.59	48.95	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	2



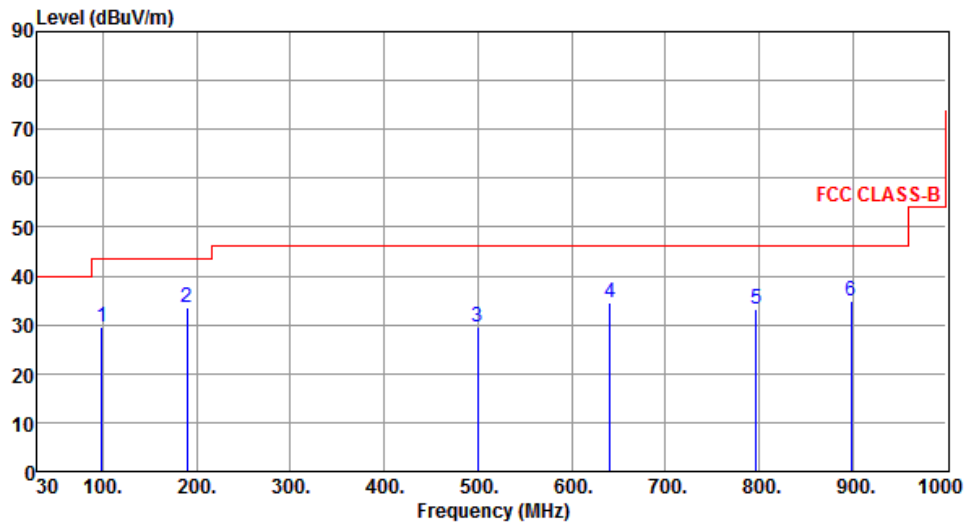
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	30.13	43.50	-13.37	51.77	-21.64	Peak	---	---
2	190.05	41.77	43.50	-1.73	60.86	-19.09	QP	---	---
3	231.76	31.02	46.00	-14.98	49.74	-18.72	Peak	---	---
4	377.26	30.96	46.00	-15.04	45.19	-14.23	Peak	---	---
5	640.13	33.93	46.00	-12.07	43.10	-9.17	Peak	---	---
6	798.24	37.27	46.00	-8.73	44.04	-6.77	Peak	---	---
7	896.21	42.30	46.00	-3.70	47.86	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	2



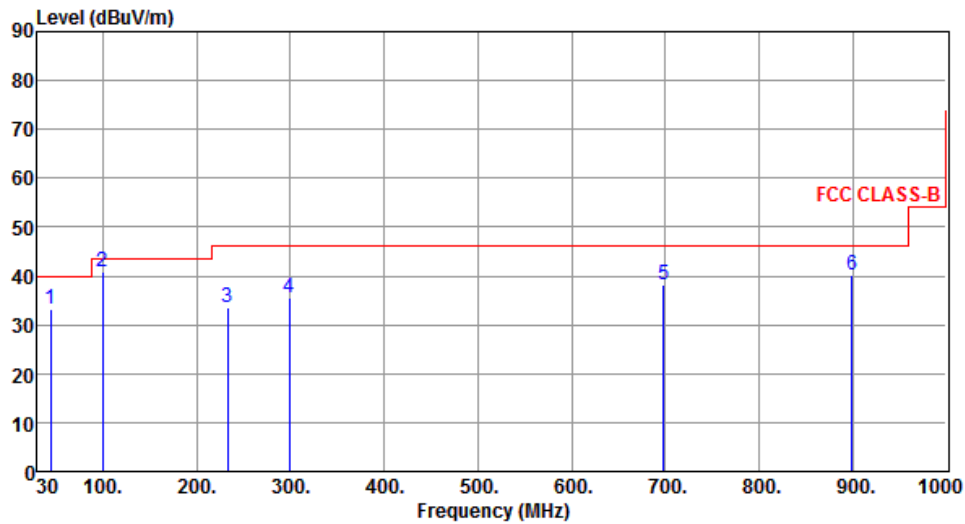
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	98.87	29.46	43.50	-14.04	51.23	-21.77	Peak	---	---
2	190.05	33.42	43.50	-10.08	52.51	-19.09	Peak	---	---
3	499.48	29.52	46.00	-16.48	41.21	-11.69	Peak	---	---
4	641.10	34.66	46.00	-11.34	43.82	-9.16	Peak	---	---
5	797.27	33.06	46.00	-12.94	39.85	-6.79	Peak	---	---
6	898.15	34.76	46.00	-11.24	40.30	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	3



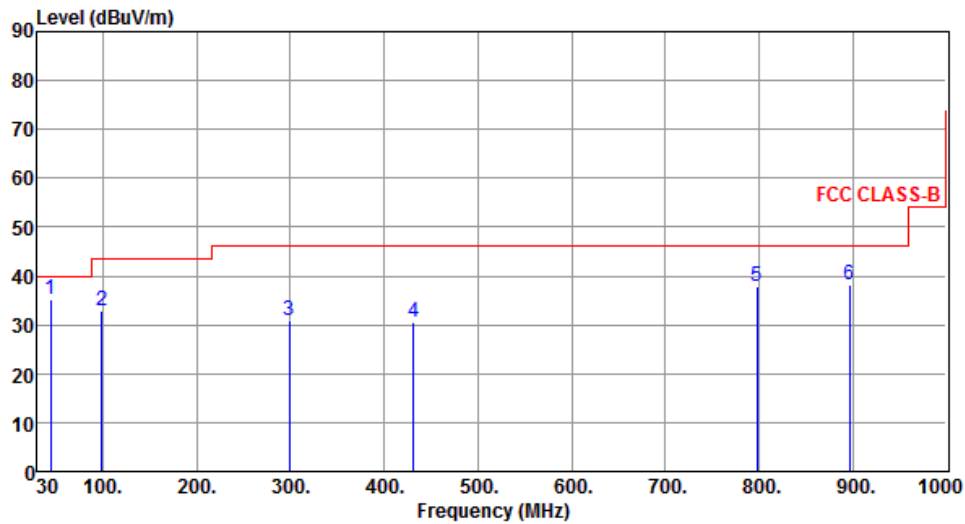
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.55	33.21	40.00	-6.79	49.94	-16.73	Peak	---	---
2	99.84	40.99	43.50	-2.51	62.63	-21.64	Peak	---	---
3	232.73	33.66	46.00	-12.34	52.31	-18.65	Peak	---	---
4	298.69	35.54	46.00	-10.46	51.80	-16.26	Peak	---	---
5	698.33	38.09	46.00	-7.91	46.36	-8.27	Peak	---	---
6	899.12	40.28	46.00	-5.72	45.80	-5.52	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	3



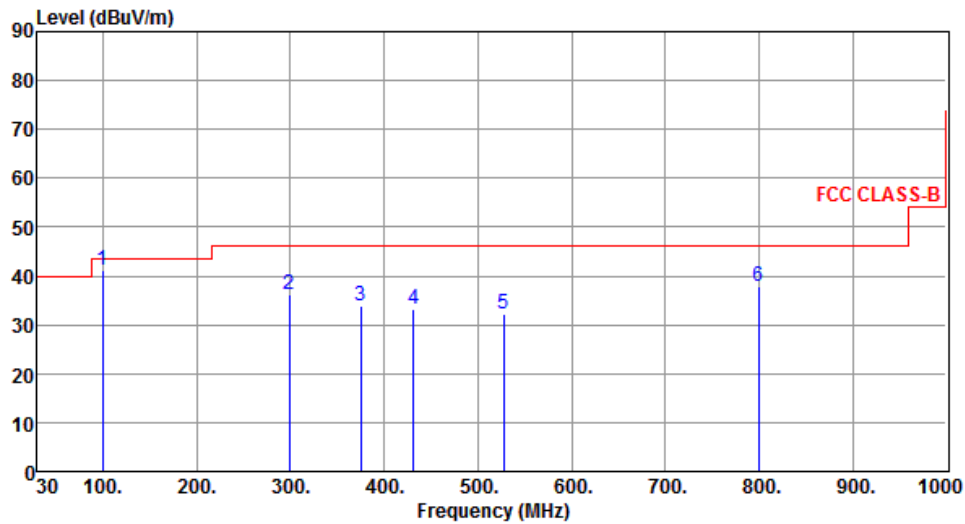
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.55	35.17	40.00	-4.83	51.90	-16.73	Peak	---	---
2	98.87	32.87	43.50	-10.63	54.64	-21.77	Peak	---	---
3	298.69	30.81	46.00	-15.19	47.07	-16.26	Peak	---	---
4	431.58	30.46	46.00	-15.54	43.35	-12.89	Peak	---	---
5	798.24	37.86	46.00	-8.14	44.63	-6.77	Peak	---	---
6	896.21	38.29	46.00	-7.71	43.85	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	4



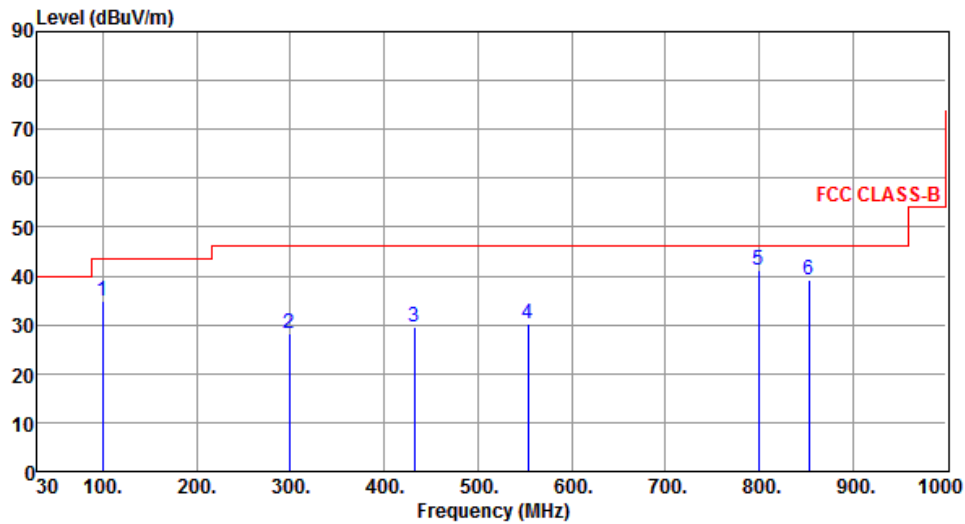
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	41.26	43.50	-2.24	62.90	-21.64	Peak	---	---
2	298.69	36.11	46.00	-9.89	52.37	-16.26	Peak	---	---
3	375.32	33.96	46.00	-12.04	48.23	-14.27	Peak	---	---
4	431.58	33.23	46.00	-12.77	46.12	-12.89	Peak	---	---
5	527.61	32.33	46.00	-13.67	43.42	-11.09	Peak	---	---
6	799.21	37.88	46.00	-8.12	44.64	-6.76	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	4



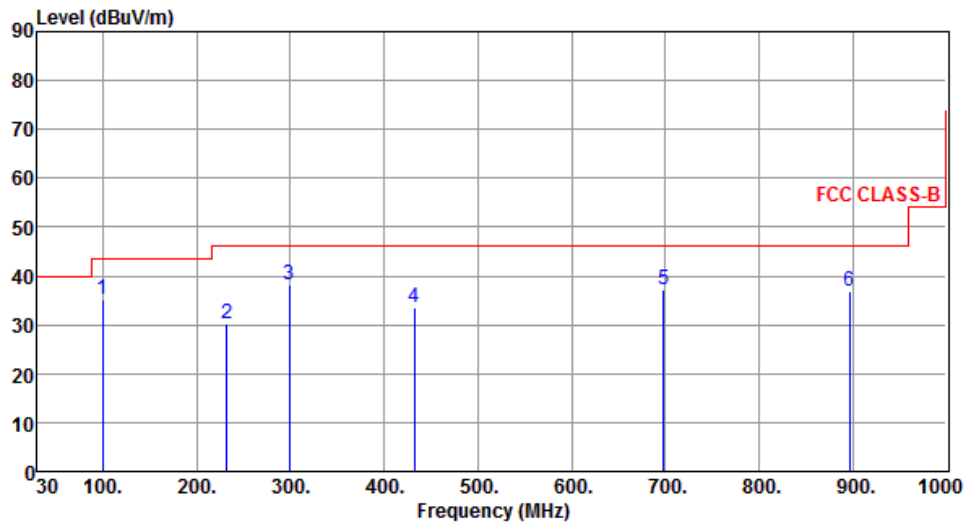
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	34.92	43.50	-8.58	56.56	-21.64	Peak	---	---
2	298.69	28.11	46.00	-17.89	44.37	-16.26	Peak	---	---
3	432.55	29.51	46.00	-16.49	42.37	-12.86	Peak	---	---
4	553.80	30.29	46.00	-15.71	40.92	-10.63	Peak	---	---
5	799.21	41.23	46.00	-4.77	47.99	-6.76	Peak	---	---
6	853.53	39.08	46.00	-6.92	45.16	-6.08	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	5



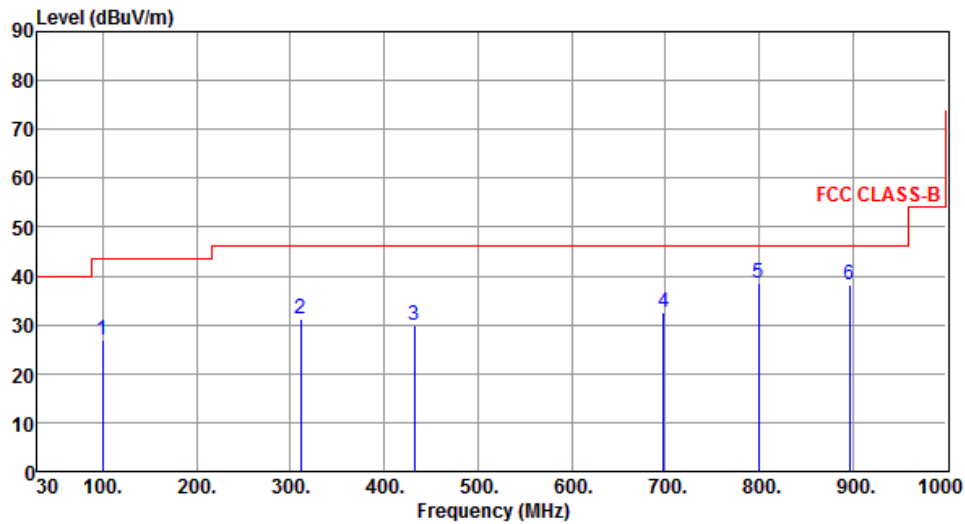
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	35.11	43.50	-8.39	56.75	-21.64	Peak	---	---
2	231.76	30.28	46.00	-15.72	49.00	-18.72	Peak	---	---
3	298.69	38.08	46.00	-7.92	54.34	-16.26	Peak	---	---
4	432.55	33.40	46.00	-12.60	46.26	-12.86	Peak	---	---
5	698.33	37.03	46.00	-8.97	45.30	-8.27	Peak	---	---
6	896.21	36.81	46.00	-9.19	42.37	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	5



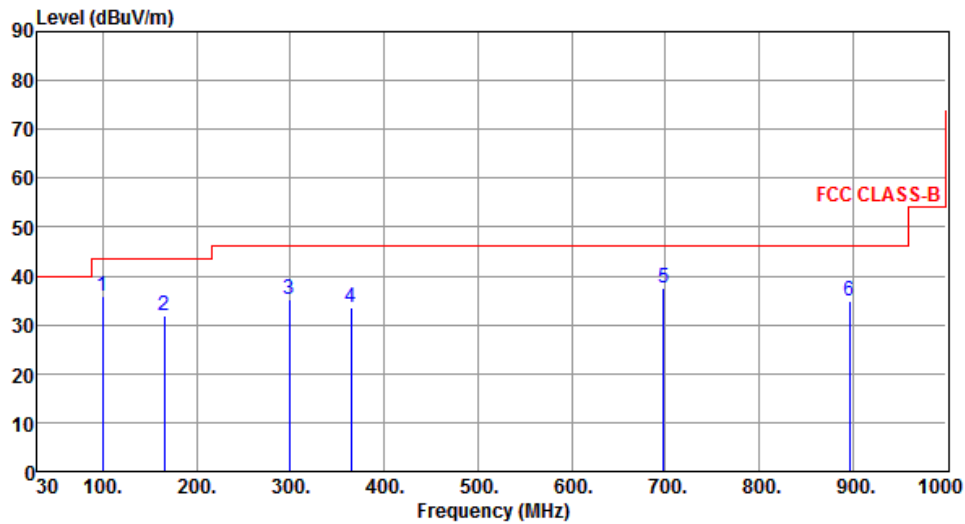
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	27.02	43.50	-16.48	48.66	-21.64	Peak	---	---
2	311.30	31.27	46.00	-14.73	47.22	-15.95	Peak	---	---
3	432.55	29.91	46.00	-16.09	42.77	-12.86	Peak	---	---
4	698.33	32.55	46.00	-13.45	40.82	-8.27	Peak	---	---
5	799.21	38.60	46.00	-7.40	45.36	-6.76	Peak	---	---
6	896.21	38.04	46.00	-7.96	43.60	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	6



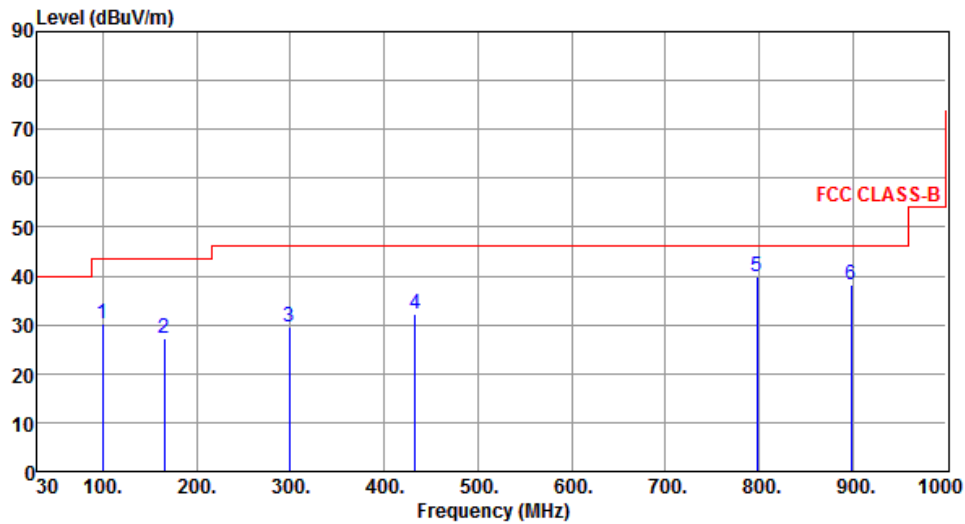
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	35.78	43.50	-7.72	57.42	-21.64	Peak	---	---
2	165.80	32.01	43.50	-11.49	49.03	-17.02	Peak	---	---
3	298.69	35.33	46.00	-10.67	51.59	-16.26	Peak	---	---
4	364.65	33.52	46.00	-12.48	48.06	-14.54	Peak	---	---
5	698.33	37.64	46.00	-8.36	45.91	-8.27	Peak	---	---
6	896.21	34.84	46.00	-11.16	40.40	-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).

Modulation	VHT40	Test Freq. (MHz)	5230
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	30.16	43.50	-13.34	51.80	-21.64	Peak	---	---
2	165.80	27.21	43.50	-16.29	44.23	-17.02	Peak	---	---
3	298.69	29.62	46.00	-16.38	45.88	-16.26	Peak	---	---
4	433.52	32.24	46.00	-13.76	45.08	-12.84	Peak	---	---
5	798.24	39.93	46.00	-6.07	46.70	-6.77	Peak	---	---
6	898.15	38.15	46.00	-7.85	43.69	-5.54	Peak	---	---

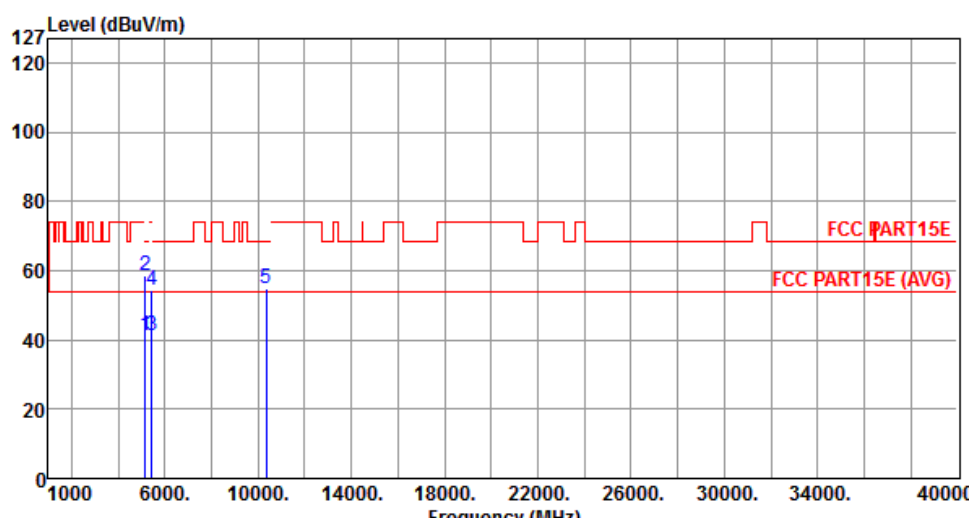
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

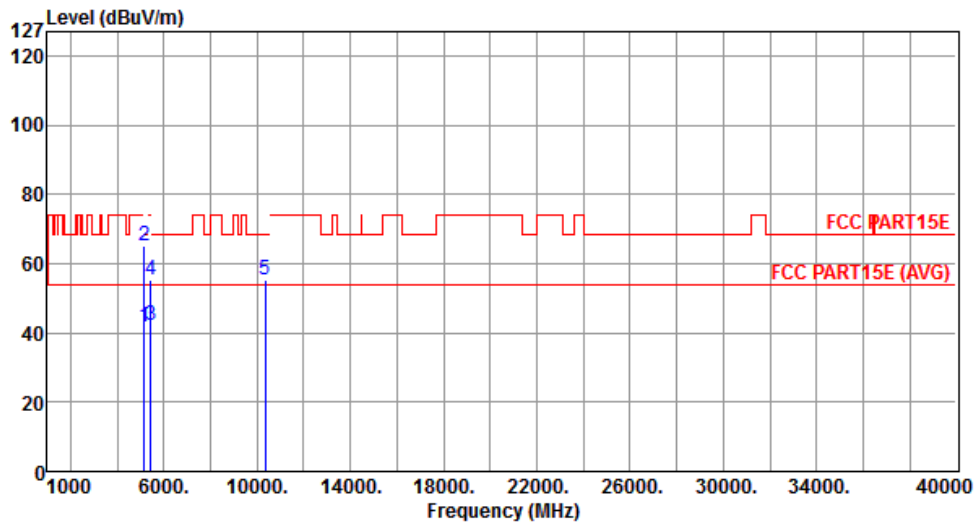
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.37	54.00	-12.63	36.43	4.94	Average	---	---
2	5150.00	58.35	74.00	-15.65	53.41	4.94	Peak	---	---
3	5427.00	41.29	54.00	-12.71	36.15	5.14	Average	---	---
4	5427.00	54.33	74.00	-19.67	49.19	5.14	Peak	---	---
5	10360.00	54.96	68.30	-13.34	40.25	14.71	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)	5180
Polarization	Vertical	Test Configuration	1



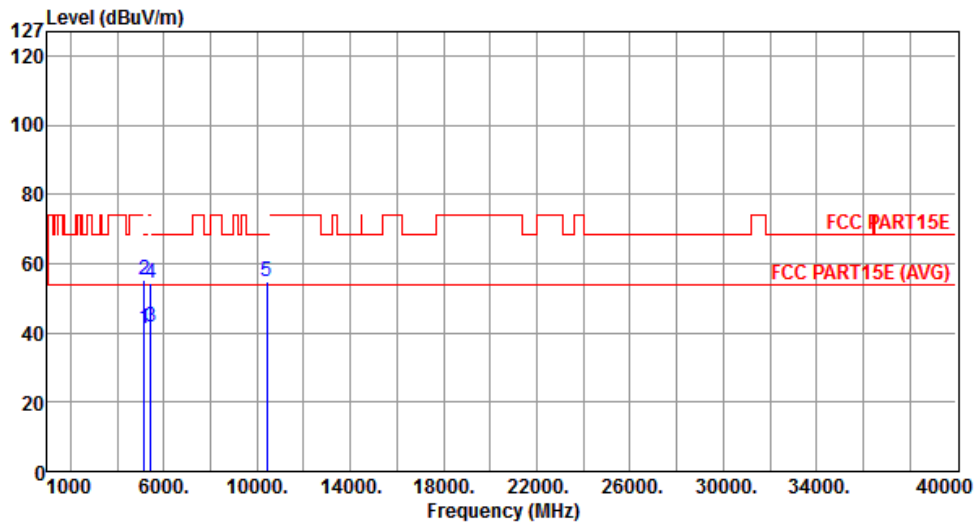
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.67	54.00	-12.33	36.73	4.94	Average	---	---
2	5150.00	65.18	74.00	-8.82	60.24	4.94	Peak	---	---
3	5427.00	42.09	54.00	-11.91	36.95	5.14	Average	---	---
4	5427.00	55.09	74.00	-18.91	49.95	5.14	Peak	---	---
5	10360.00	55.29	68.30	-13.01	40.58	14.71	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)	5200
Polarization	Horizontal	Test Configuration	1



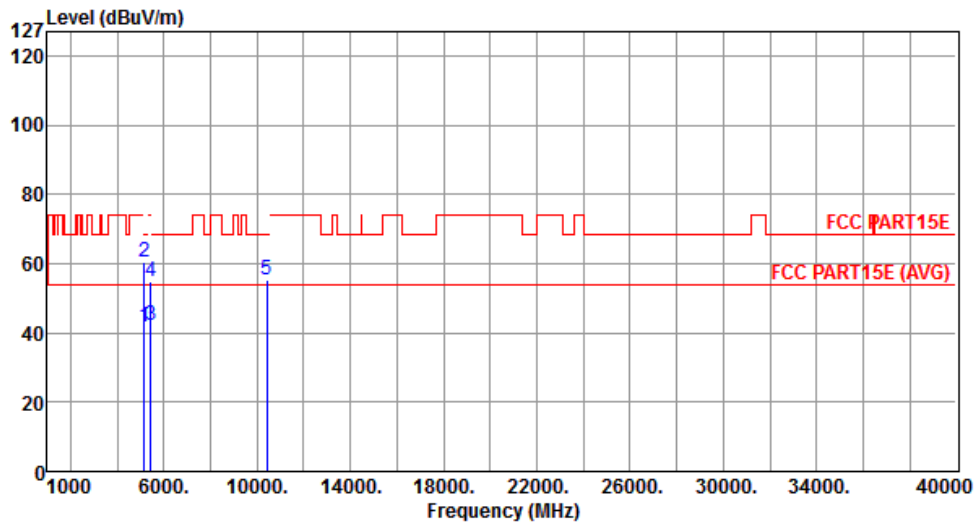
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.17	54.00	-12.83	36.23	4.94	Average	---	---
2	5150.00	55.15	74.00	-18.85	50.21	4.94	Peak	---	---
3	5427.00	41.52	54.00	-12.48	36.38	5.14	Average	---	---
4	5427.00	54.52	74.00	-19.48	49.38	5.14	Peak	---	---
5	10400.00	54.97	68.30	-13.33	40.22	14.75	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)	5200
Polarization	Vertical	Test Configuration	1



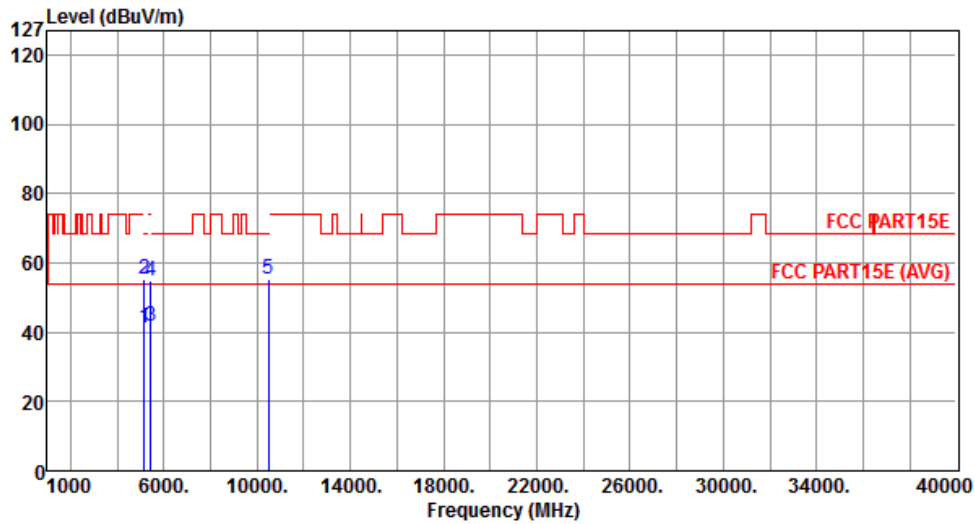
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.78	54.00	-12.22	36.84	4.94	Average	---	---
2	5150.00	60.41	74.00	-13.59	55.47	4.94	Peak	---	---
3	5427.00	41.98	54.00	-12.02	36.84	5.14	Average	---	---
4	5427.00	54.73	74.00	-19.27	49.59	5.14	Peak	---	---
5	10400.00	55.14	68.30	-13.16	40.39	14.75	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)	5240
Polarization	Horizontal	Test Configuration	1



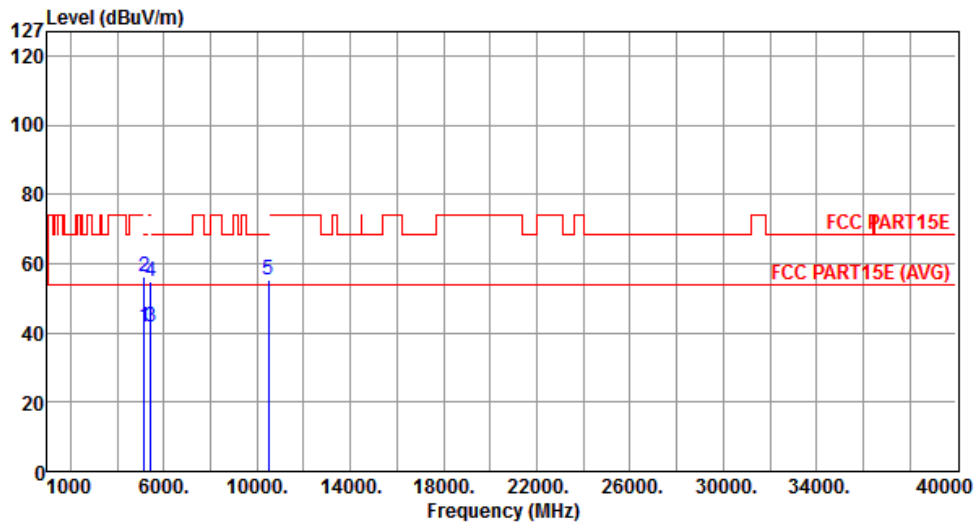
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.21	54.00	-12.79	36.27	4.94	Average	---	---
2	5150.00	55.23	74.00	-18.77	50.29	4.94	Peak	---	---
3	5427.00	41.59	54.00	-12.41	36.45	5.14	Average	---	---
4	5427.00	54.62	74.00	-19.38	49.48	5.14	Peak	---	---
5	10480.00	55.10	68.30	-13.20	40.26	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



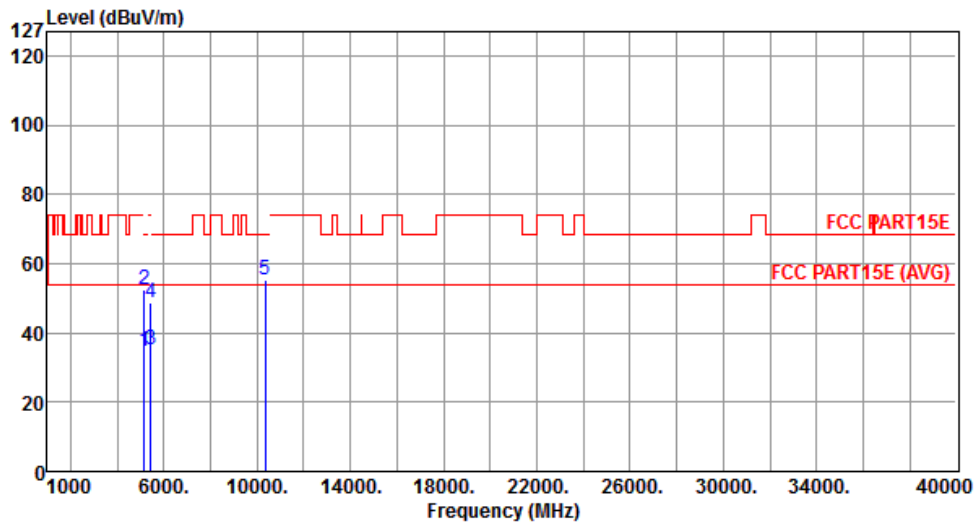
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.75	54.00	-12.25	36.81	4.94	Average	---	---
2	5150.00	56.19	74.00	-17.81	51.25	4.94	Peak	---	---
3	5427.00	41.81	54.00	-12.19	36.67	5.14	Average	---	---
4	5427.00	55.02	74.00	-18.98	49.88	5.14	Peak	---	---
5	10480.00	55.35	68.30	-12.95	40.51	14.84	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).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	2



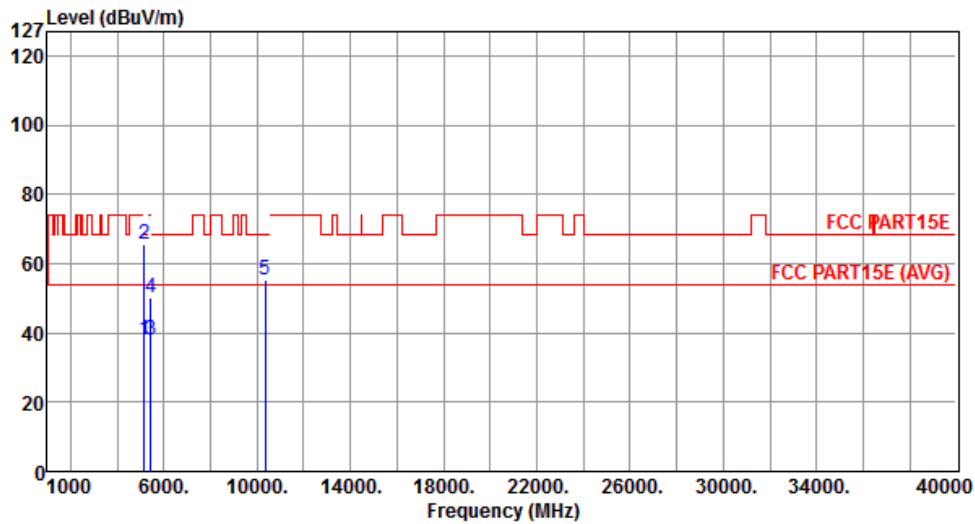
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	34.77	54.00	-19.23	29.83	4.94	Average	---	---
2	5150.00	52.57	74.00	-21.43	47.63	4.94	Peak	---	---
3	5427.00	35.12	54.00	-18.88	29.98	5.14	Average	---	---
4	5427.00	48.96	74.00	-25.04	43.82	5.14	Peak	---	---
5	10360.00	55.22	68.30	-13.08	40.51	14.71	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)	5180
Polarization	Vertical	Test Configuration	2



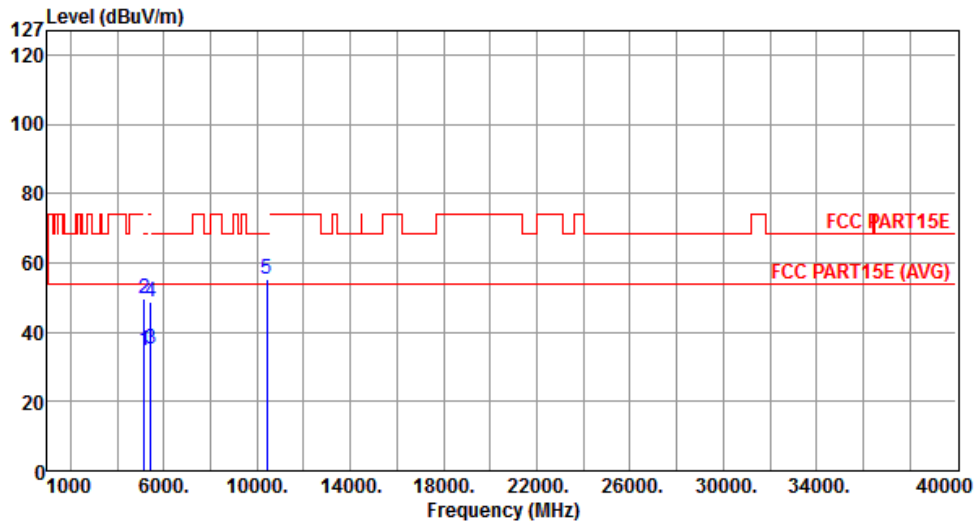
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	37.93	54.00	-16.07	32.99	4.94	Average	---	---
2	5150.00	65.61	74.00	-8.39	60.67	4.94	Peak	---	---
3	5427.00	37.78	54.00	-16.22	32.64	5.14	Average	---	---
4	5427.00	50.32	74.00	-23.68	45.18	5.14	Peak	---	---
5	10360.00	55.39	68.30	-12.91	40.68	14.71	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)	5200
Polarization	Horizontal	Test Configuration	2



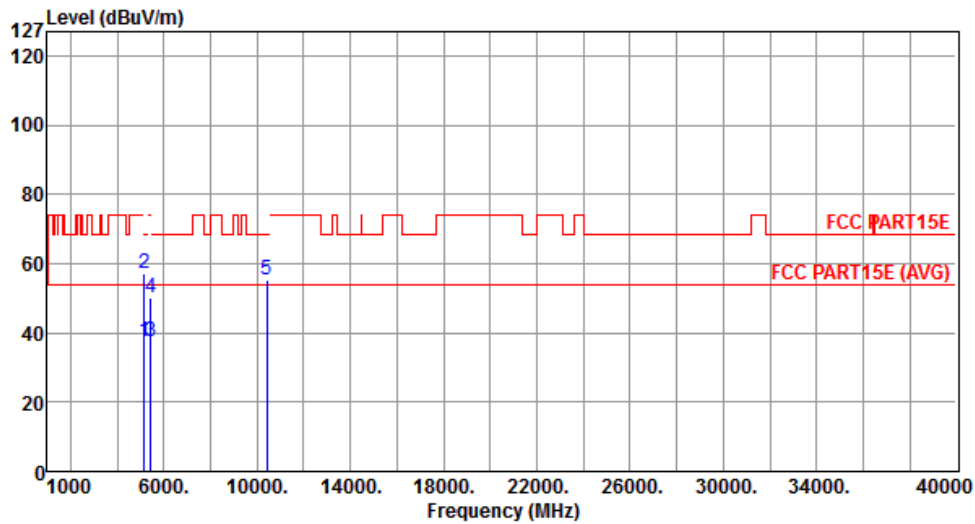
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	34.90	54.00	-19.10	29.96	4.94	Average	---	---
2	5150.00	49.76	74.00	-24.24	44.82	4.94	Peak	---	---
3	5427.00	35.29	54.00	-18.71	30.15	5.14	Average	---	---
4	5427.00	48.90	74.00	-25.10	43.76	5.14	Peak	---	---
5	10400.00	55.13	68.30	-13.17	40.38	14.75	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)	5200
Polarization	Vertical	Test Configuration	2



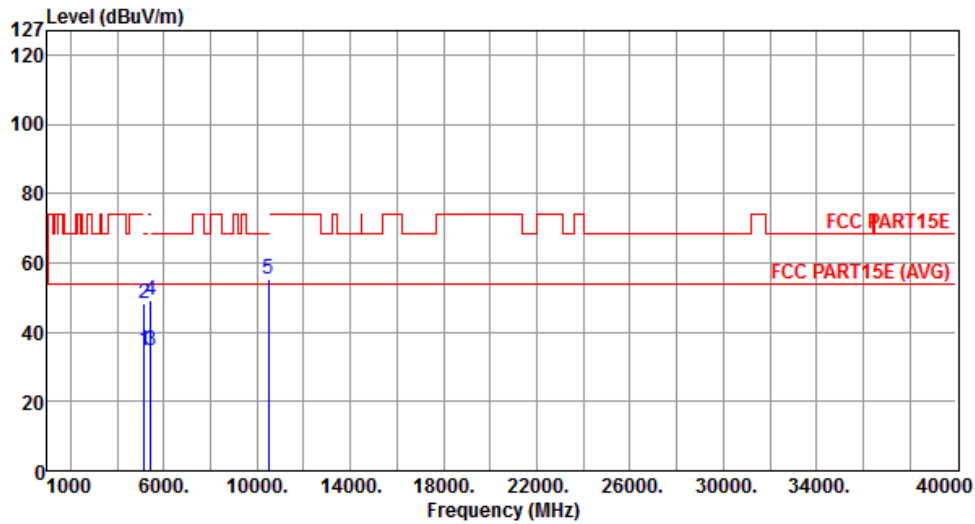
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	37.47	54.00	-16.53	32.53	4.94	Average	---	---
2	5150.00	57.32	74.00	-16.68	52.38	4.94	Peak	---	---
3	5427.00	37.53	54.00	-16.47	32.39	5.14	Average	---	---
4	5427.00	50.21	74.00	-23.79	45.07	5.14	Peak	---	---
5	10400.00	55.27	68.30	-13.03	40.52	14.75	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)	5240
Polarization	Horizontal	Test Configuration	2



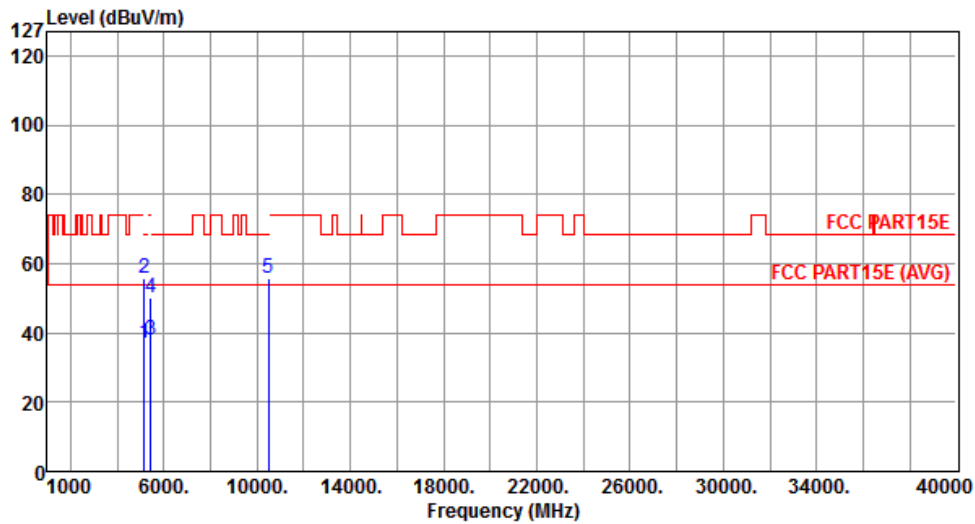
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	34.91	54.00	-19.09	29.97	4.94	Average	---	---
2	5150.00	48.49	74.00	-25.51	43.55	4.94	Peak	---	---
3	5427.00	34.77	54.00	-19.23	29.63	5.14	Average	---	---
4	5427.00	49.35	74.00	-24.65	44.21	5.14	Peak	---	---
5	10480.00	55.10	68.30	-13.20	40.26	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	2



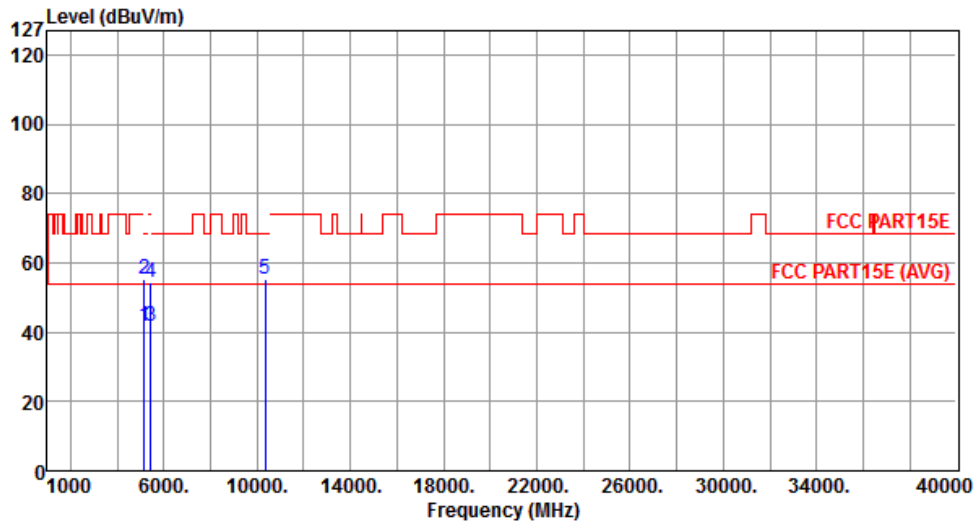
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	37.19	54.00	-16.81	32.25	4.94	Average	---	---
2	5150.00	55.59	74.00	-18.41	50.65	4.94	Peak	---	---
3	5427.00	38.01	54.00	-15.99	32.87	5.14	Average	---	---
4	5427.00	50.17	74.00	-23.83	45.03	5.14	Peak	---	---
5	10480.00	55.63	68.30	-12.67	40.79	14.84	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).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	3



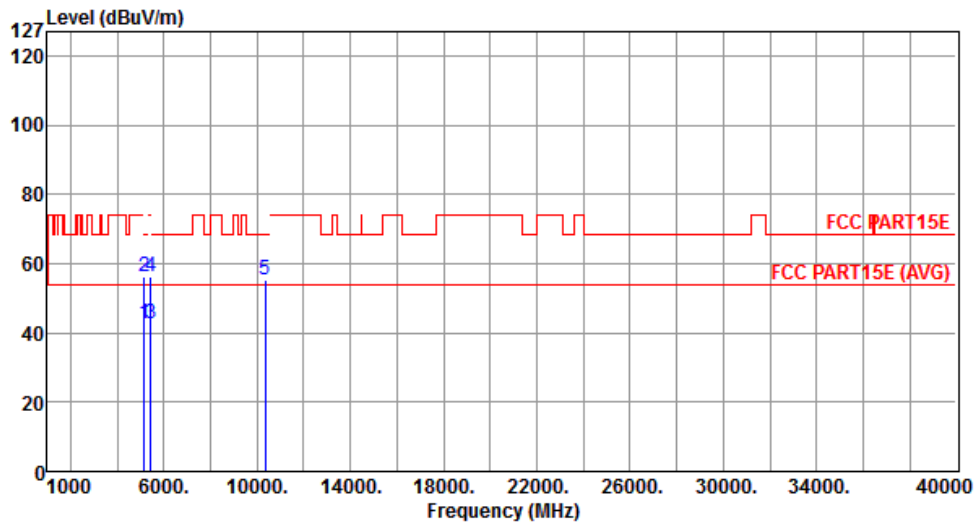
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.80	54.00	-12.20	36.86	4.94	Average	---	---
2	5150.00	55.44	74.00	-18.56	50.50	4.94	Peak	---	---
3	5427.00	41.90	54.00	-12.10	36.76	5.14	Average	---	---
4	5427.00	54.48	74.00	-19.52	49.34	5.14	Peak	---	---
5	10360.00	55.07	68.30	-13.23	40.36	14.71	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)	5180
Polarization	Vertical	Test Configuration	3



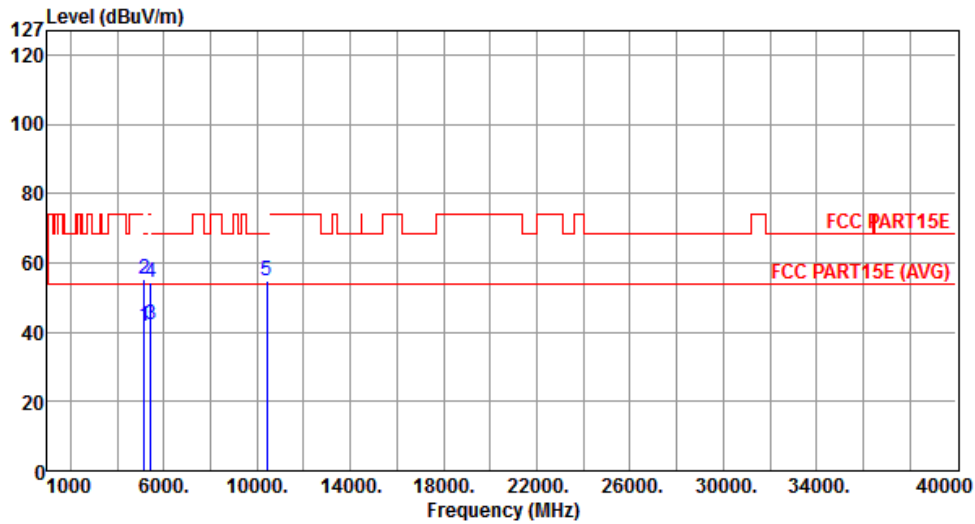
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.69	54.00	-11.31	37.75	4.94	Average	---	---
2	5150.00	56.34	74.00	-17.66	51.40	4.94	Peak	---	---
3	5427.00	42.72	54.00	-11.28	37.58	5.14	Average	---	---
4	5427.00	56.36	74.00	-17.64	51.22	5.14	Peak	---	---
5	10360.00	55.34	68.30	-12.96	40.63	14.71	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)	5200
Polarization	Horizontal	Test Configuration	3



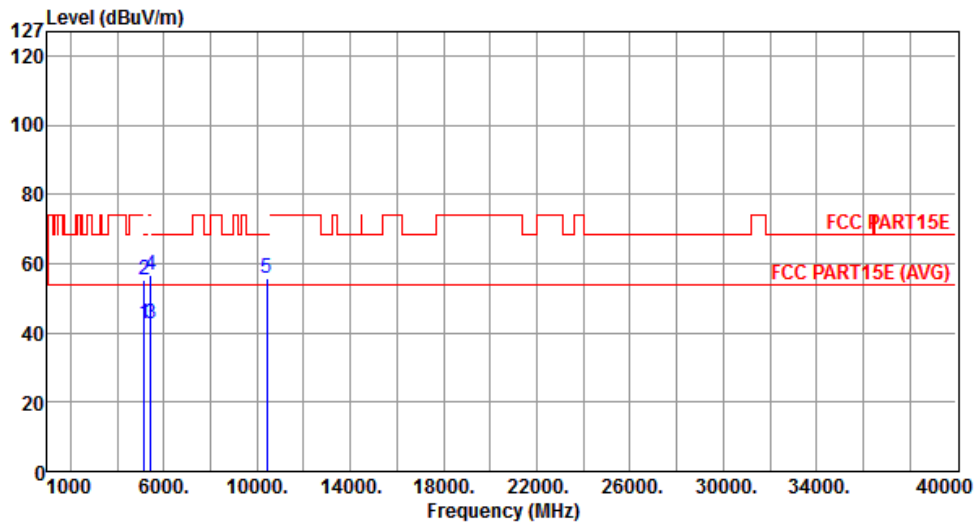
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.79	54.00	-12.21	36.85	4.94	Average	---	---
2	5150.00	55.21	74.00	-18.79	50.27	4.94	Peak	---	---
3	5427.00	42.02	54.00	-11.98	36.88	5.14	Average	---	---
4	5427.00	54.26	74.00	-19.74	49.12	5.14	Peak	---	---
5	10400.00	55.03	68.30	-13.27	40.28	14.75	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)	5200
Polarization	Vertical	Test Configuration	3



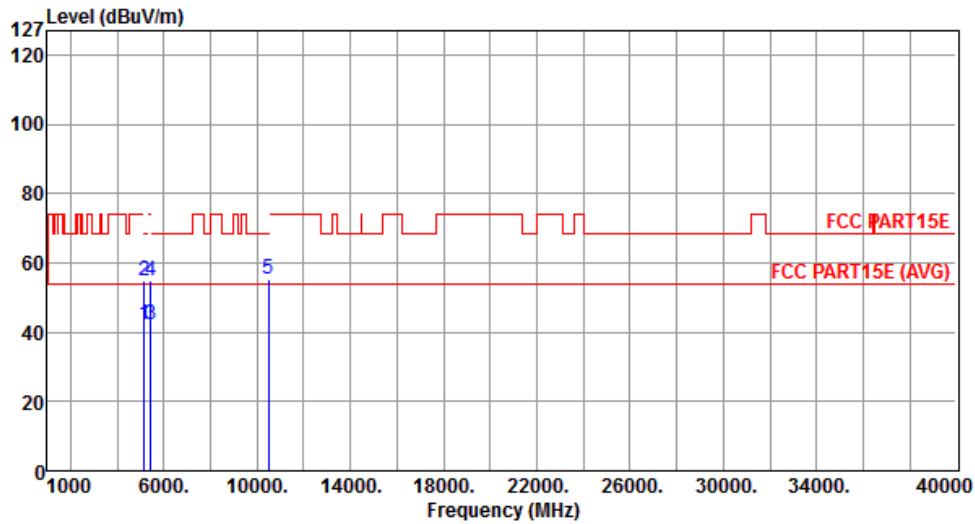
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.63	54.00	-11.37	37.69	4.94	Average	---	---
2	5150.00	55.32	74.00	-18.68	50.38	4.94	Peak	---	---
3	5427.00	42.55	54.00	-11.45	37.41	5.14	Average	---	---
4	5427.00	56.71	74.00	-17.29	51.57	5.14	Peak	---	---
5	10400.00	55.64	68.30	-12.66	40.89	14.75	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)	5240
Polarization	Horizontal	Test Configuration	3



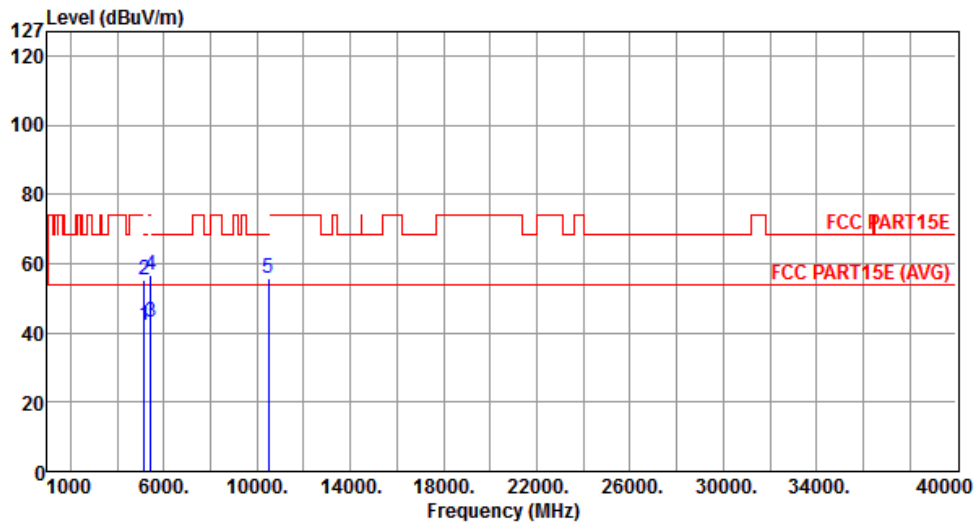
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.95	54.00	-12.05	37.01	4.94	Average	---	---
2	5150.00	54.77	74.00	-19.23	49.83	4.94	Peak	---	---
3	5427.00	42.01	54.00	-11.99	36.87	5.14	Average	---	---
4	5427.00	54.66	74.00	-19.34	49.52	5.14	Peak	---	---
5	10480.00	55.38	68.30	-12.92	40.54	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	3



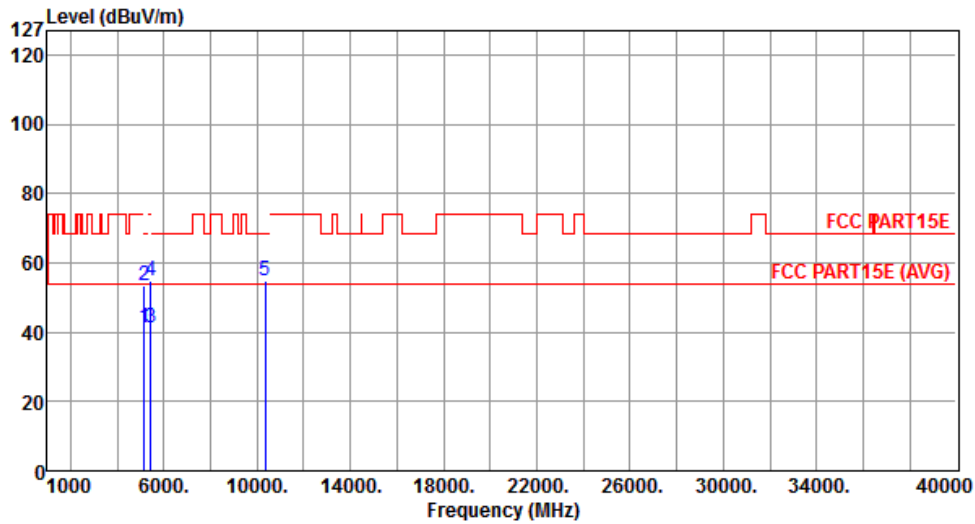
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.33	54.00	-11.67	37.39	4.94	Average	---	---
2	5150.00	55.29	74.00	-18.71	50.35	4.94	Peak	---	---
3	5427.00	42.96	54.00	-11.04	37.82	5.14	Average	---	---
4	5427.00	56.78	74.00	-17.22	51.64	5.14	Peak	---	---
5	10480.00	55.81	68.30	-12.49	40.97	14.84	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).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	4



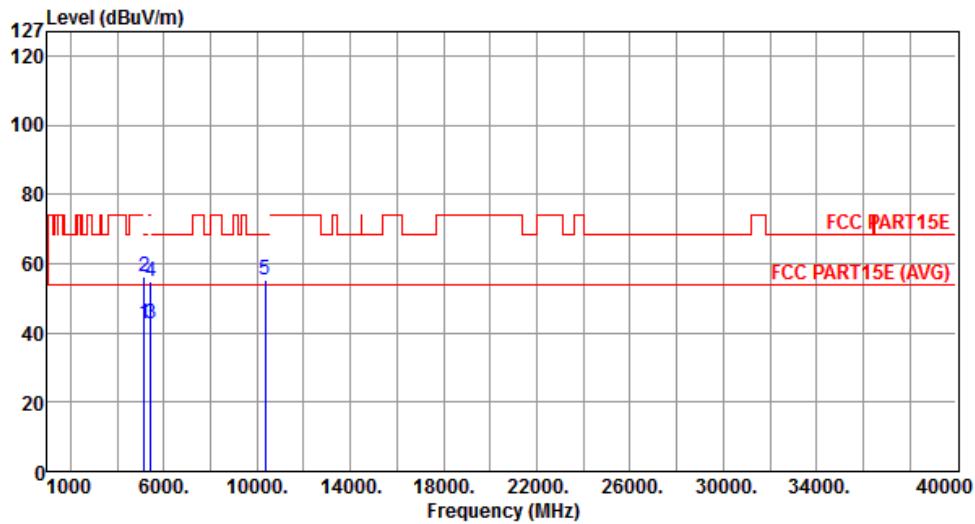
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.32	54.00	-12.68	36.38	4.94	Average	---	---
2	5150.00	53.47	74.00	-20.53	48.53	4.94	Peak	---	---
3	5427.00	41.41	54.00	-12.59	36.27	5.14	Average	---	---
4	5427.00	54.91	74.00	-19.09	49.77	5.14	Peak	---	---
5	10360.00	54.99	68.30	-13.31	40.28	14.71	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)	5180
Polarization	Vertical	Test Configuration	4



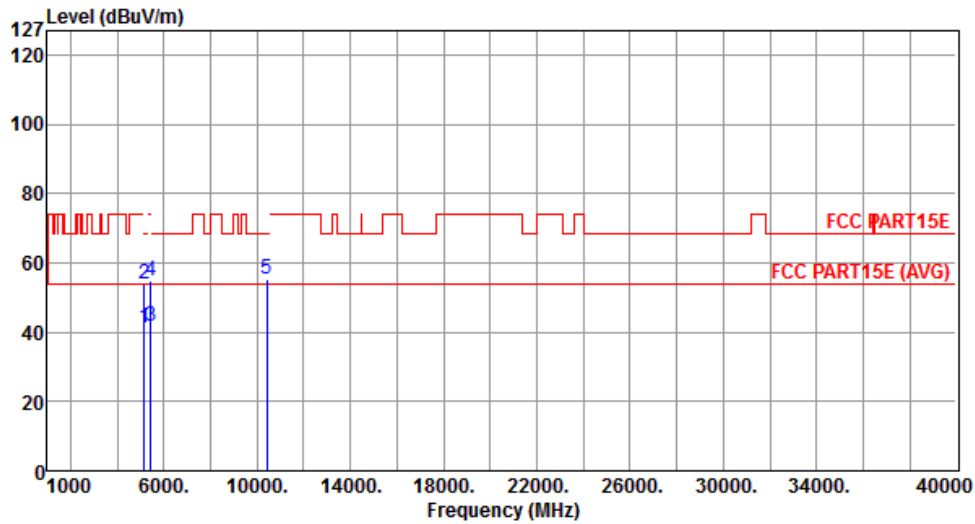
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.50	54.00	-11.50	37.56	4.94	Average	---	---
2	5150.00	56.26	74.00	-17.74	51.32	4.94	Peak	---	---
3	5427.00	42.66	54.00	-11.34	37.52	5.14	Average	---	---
4	5427.00	54.94	74.00	-19.06	49.80	5.14	Peak	---	---
5	10360.00	55.22	68.30	-13.08	40.51	14.71	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)	5200
Polarization	Horizontal	Test Configuration	4



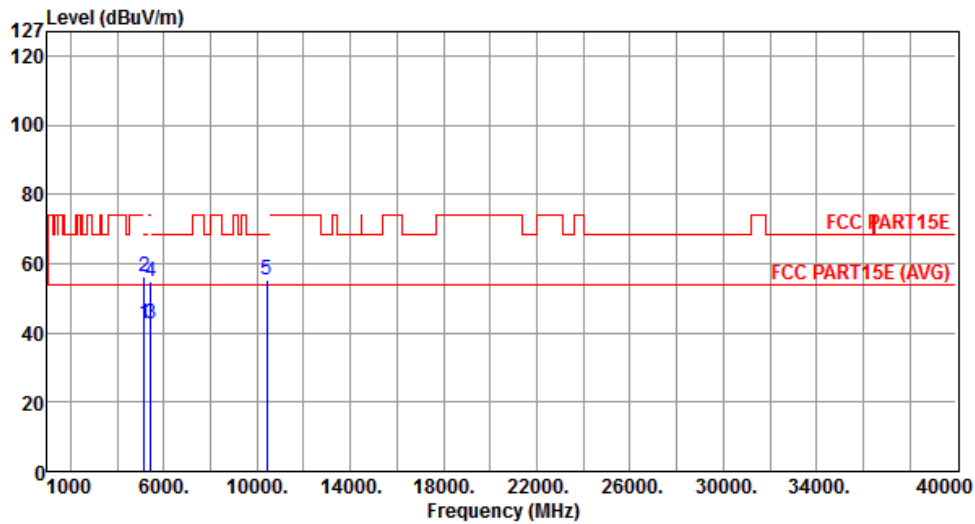
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.30	54.00	-12.70	36.36	4.94	Average	---	---
2	5150.00	53.89	74.00	-20.11	48.95	4.94	Peak	---	---
3	5427.00	41.51	54.00	-12.49	36.37	5.14	Average	---	---
4	5427.00	54.96	74.00	-19.04	49.82	5.14	Peak	---	---
5	10400.00	55.14	68.30	-13.16	40.39	14.75	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)	5200
Polarization	Vertical	Test Configuration	4



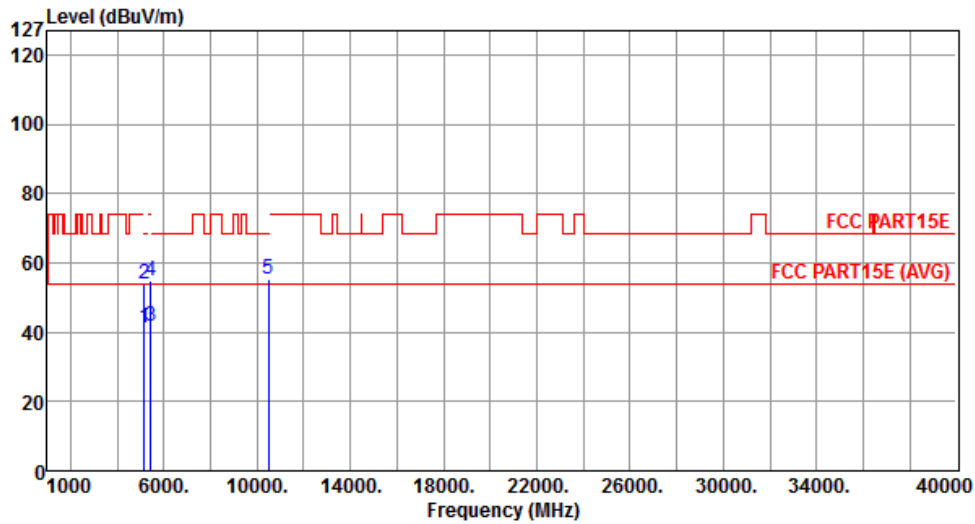
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.58	54.00	-11.42	37.64	4.94	Average	---	---
2	5150.00	56.37	74.00	-17.63	51.43	4.94	Peak	---	---
3	5427.00	42.58	54.00	-11.42	37.44	5.14	Average	---	---
4	5427.00	54.99	74.00	-19.01	49.85	5.14	Peak	---	---
5	10400.00	55.19	68.30	-13.11	40.44	14.75	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)	5240
Polarization	Horizontal	Test Configuration	4



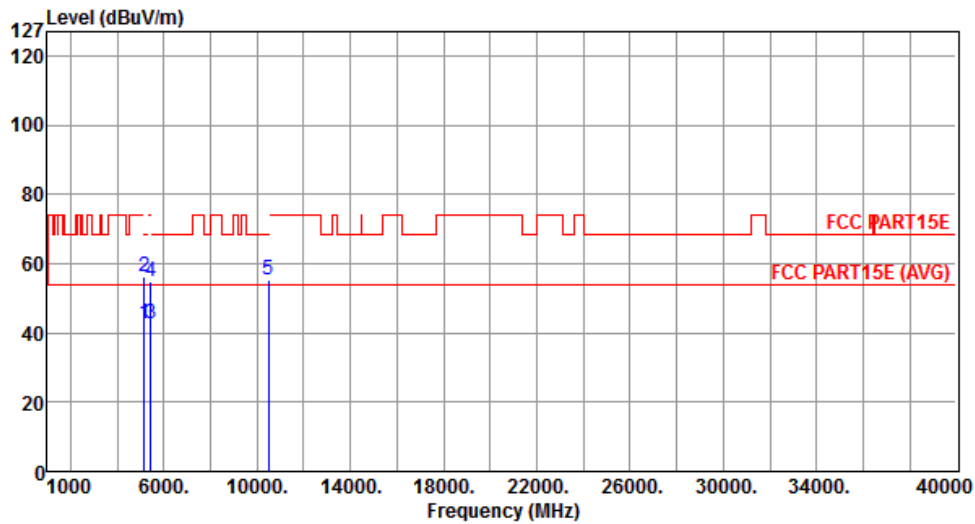
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.28	54.00	-12.72	36.34	4.94	Average	---	---
2	5150.00	53.79	74.00	-20.21	48.85	4.94	Peak	---	---
3	5427.00	41.69	54.00	-12.31	36.55	5.14	Average	---	---
4	5427.00	54.72	74.00	-19.28	49.58	5.14	Peak	---	---
5	10480.00	55.21	68.30	-13.09	40.37	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	4



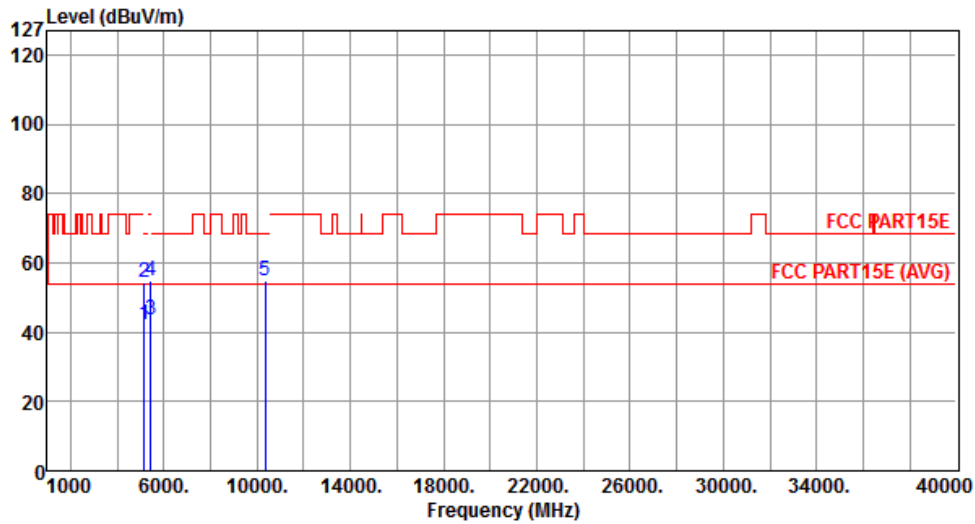
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.44	54.00	-11.56	37.50	4.94	Average	---	---
2	5150.00	56.41	74.00	-17.59	51.47	4.94	Peak	---	---
3	5427.00	42.66	54.00	-11.34	37.52	5.14	Average	---	---
4	5427.00	55.05	74.00	-18.95	49.91	5.14	Peak	---	---
5	10480.00	55.17	68.30	-13.13	40.33	14.84	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).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	5



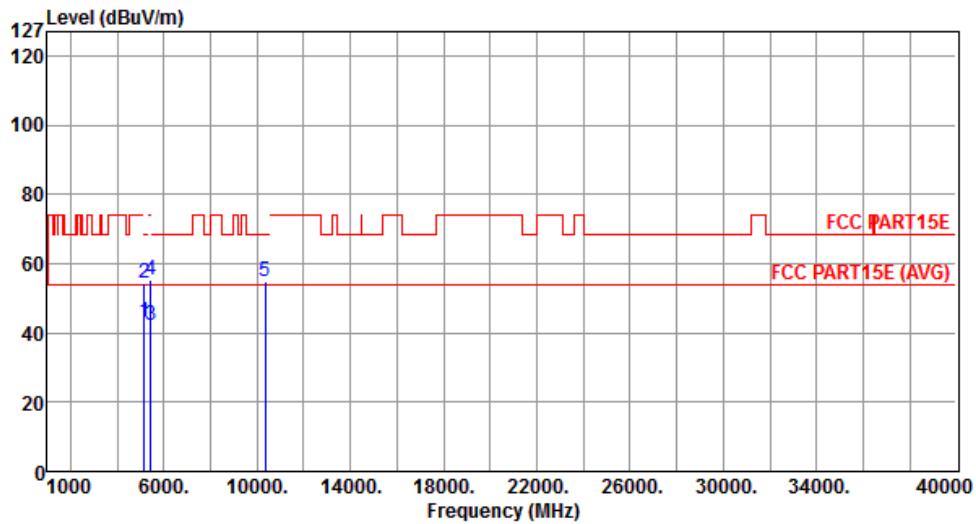
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.16	54.00	-11.84	37.22	4.94	Average	---	---
2	5150.00	54.47	74.00	-19.53	49.53	4.94	Peak	---	---
3	5427.00	43.62	54.00	-10.38	38.48	5.14	Average	---	---
4	5427.00	54.81	74.00	-19.19	49.67	5.14	Peak	---	---
5	10360.00	54.99	68.30	-13.31	40.28	14.71	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)	5180
Polarization	Vertical	Test Configuration	5



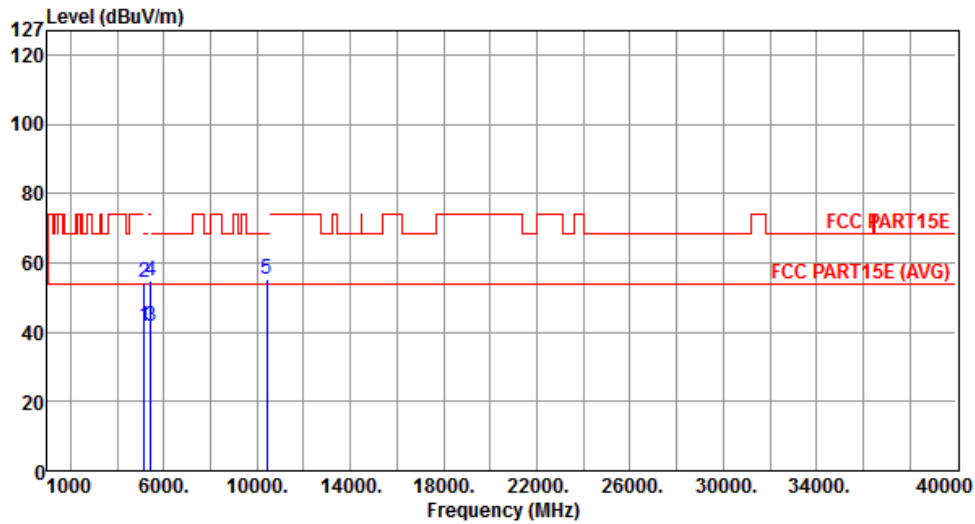
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.93	54.00	-11.07	37.99	4.94	Average	---	---
2	5150.00	54.52	74.00	-19.48	49.58	4.94	Peak	---	---
3	5427.00	42.39	54.00	-11.61	37.25	5.14	Average	---	---
4	5427.00	55.38	74.00	-18.62	50.24	5.14	Peak	---	---
5	10360.00	54.84	68.30	-13.46	40.13	14.71	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)	5200
Polarization	Horizontal	Test Configuration	5



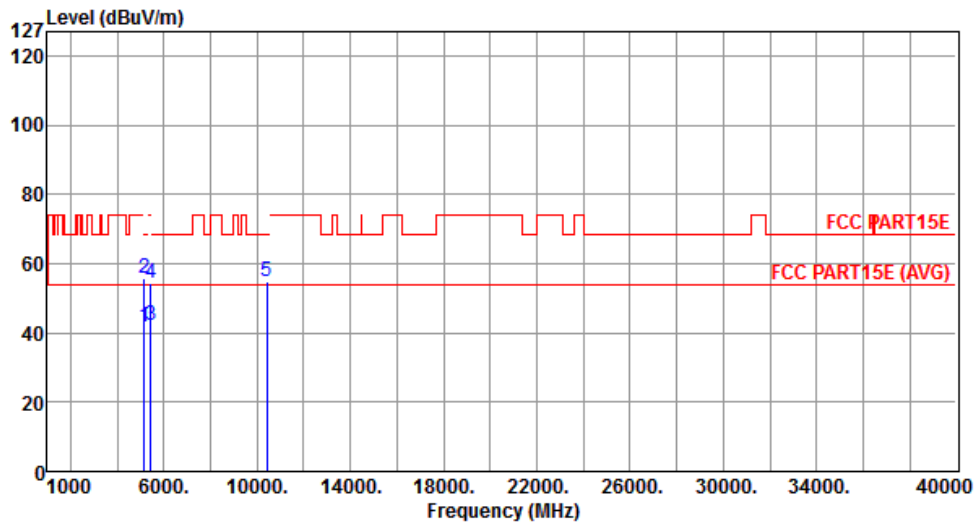
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.55	54.00	-12.45	36.61	4.94	Average	---	---
2	5150.00	54.47	74.00	-19.53	49.53	4.94	Peak	---	---
3	5427.00	41.58	54.00	-12.42	36.44	5.14	Average	---	---
4	5427.00	54.71	74.00	-19.29	49.57	5.14	Peak	---	---
5	10400.00	55.16	68.30	-13.14	40.41	14.75	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)	5200
Polarization	Vertical	Test Configuration	5



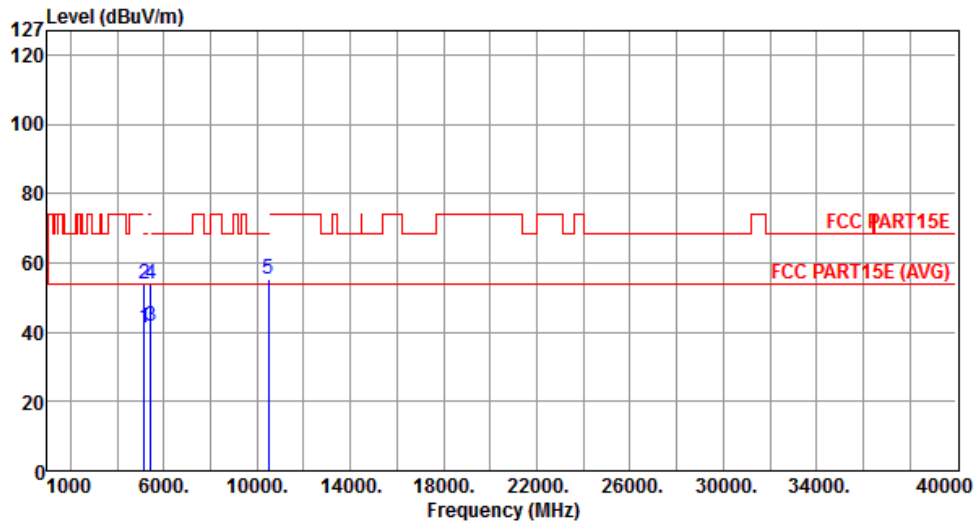
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.65	54.00	-12.35	36.71	4.94	Average	---	---
2	5150.00	55.60	74.00	-18.40	50.66	4.94	Peak	---	---
3	5427.00	42.02	54.00	-11.98	36.88	5.14	Average	---	---
4	5427.00	54.29	74.00	-19.71	49.15	5.14	Peak	---	---
5	10400.00	55.06	68.30	-13.24	40.31	14.75	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)	5240
Polarization	Horizontal	Test Configuration	5



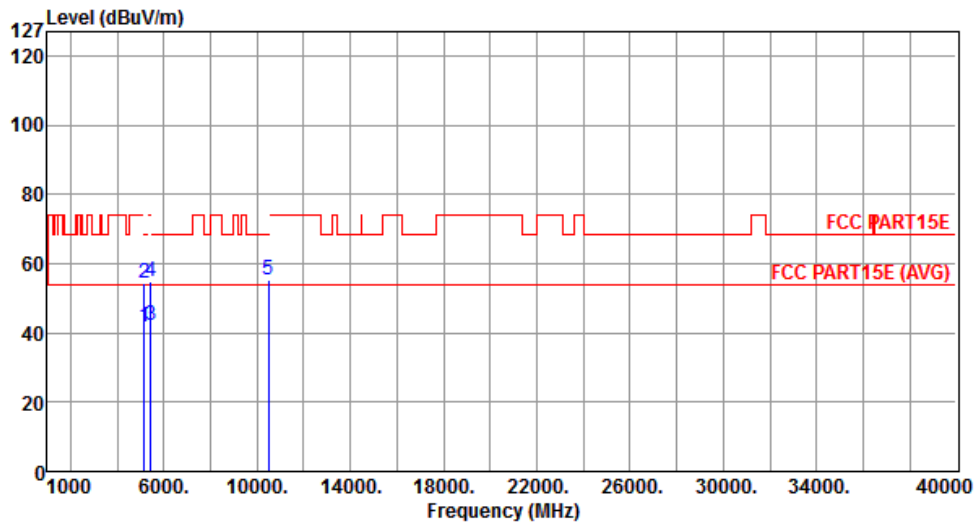
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.30	54.00	-12.70	36.36	4.94	Average	---	---
2	5150.00	53.72	74.00	-20.28	48.78	4.94	Peak	---	---
3	5427.00	41.73	54.00	-12.27	36.59	5.14	Average	---	---
4	5427.00	53.96	74.00	-20.04	48.82	5.14	Peak	---	---
5	10480.00	55.21	68.30	-13.09	40.37	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	5



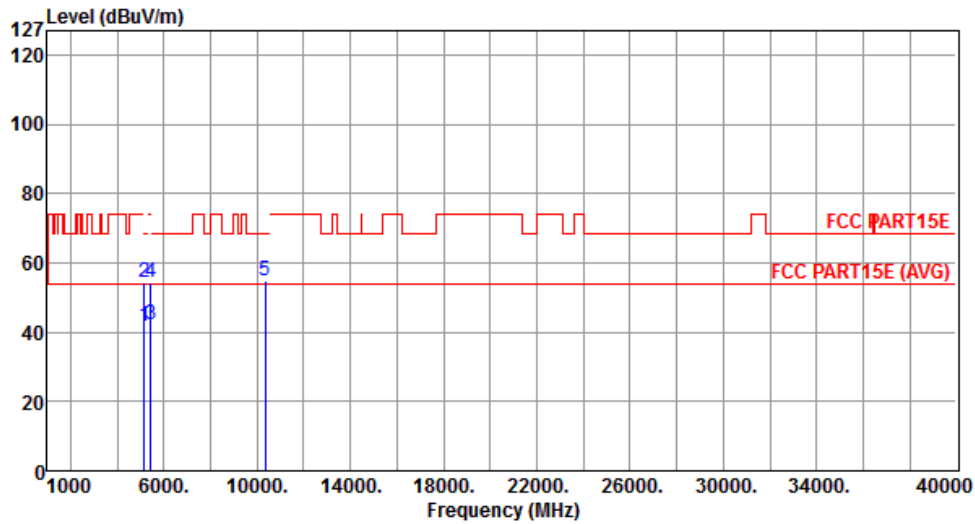
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.74	54.00	-12.26	36.80	4.94	Average	---	---
2	5150.00	54.56	74.00	-19.44	49.62	4.94	Peak	---	---
3	5427.00	42.28	54.00	-11.72	37.14	5.14	Average	---	---
4	5427.00	54.99	74.00	-19.01	49.85	5.14	Peak	---	---
5	10480.00	55.17	68.30	-13.13	40.33	14.84	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).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	6



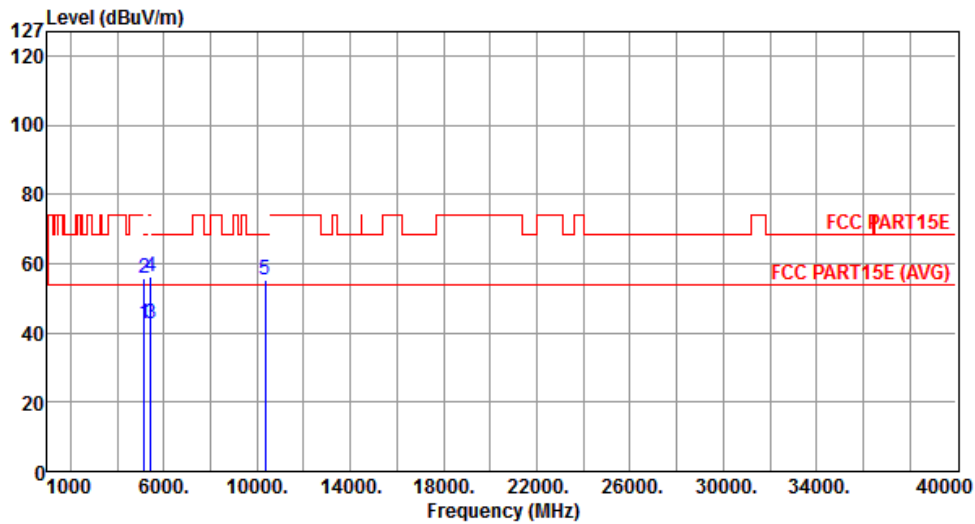
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.59	54.00	-12.41	36.65	4.94	Average	---	---
2	5150.00	54.48	74.00	-19.52	49.54	4.94	Peak	---	---
3	5427.00	41.96	54.00	-12.04	36.82	5.14	Average	---	---
4	5427.00	54.41	74.00	-19.59	49.27	5.14	Peak	---	---
5	10360.00	54.84	68.30	-13.46	40.13	14.71	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)	5180
Polarization	Vertical	Test Configuration	6



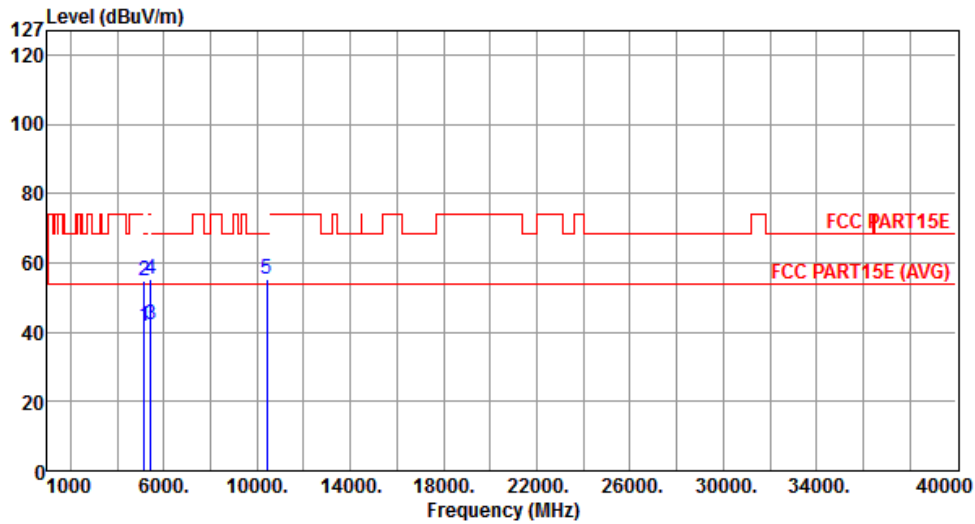
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.64	54.00	-11.36	37.70	4.94	Average	---	---
2	5150.00	55.77	74.00	-18.23	50.83	4.94	Peak	---	---
3	5427.00	42.76	54.00	-11.24	37.62	5.14	Average	---	---
4	5427.00	56.15	74.00	-17.85	51.01	5.14	Peak	---	---
5	10360.00	55.08	68.30	-13.22	40.37	14.71	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)	5200
Polarization	Horizontal	Test Configuration	6



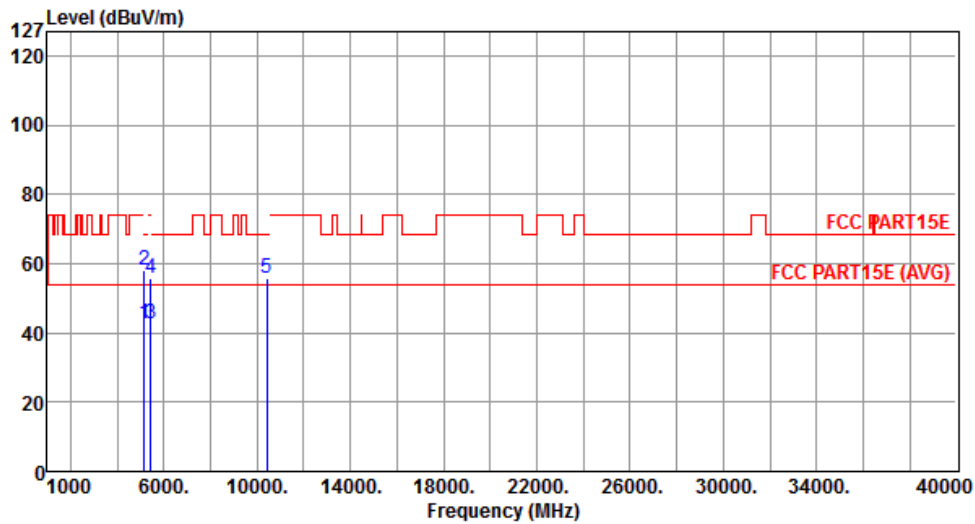
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.73	54.00	-12.27	36.79	4.94	Average	---	---
2	5150.00	54.82	74.00	-19.18	49.88	4.94	Peak	---	---
3	5427.00	42.06	54.00	-11.94	36.92	5.14	Average	---	---
4	5427.00	55.24	74.00	-18.76	50.10	5.14	Peak	---	---
5	10400.00	55.33	68.30	-12.97	40.58	14.75	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)	5200
Polarization	Vertical	Test Configuration	6



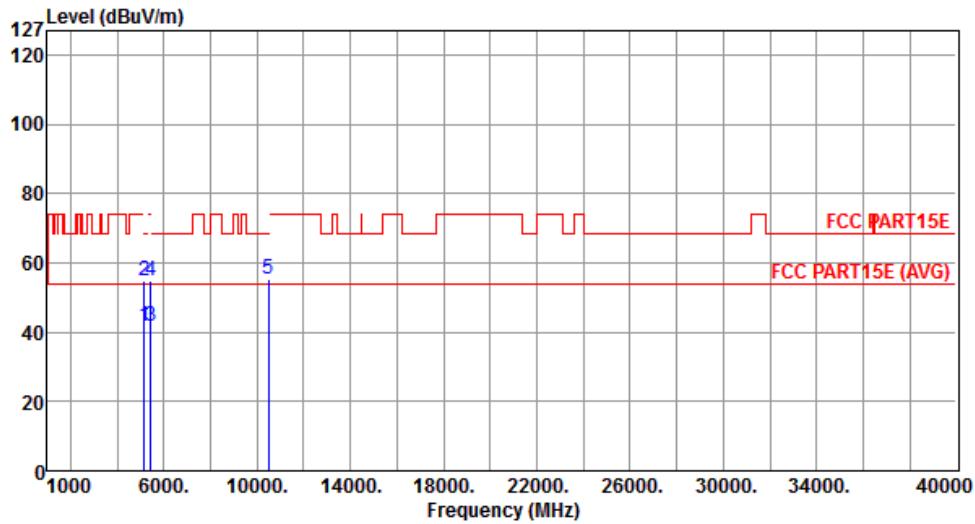
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.58	54.00	-11.42	37.64	4.94	Average	---	---
2	5150.00	57.97	74.00	-16.03	53.03	4.94	Peak	---	---
3	5427.00	42.79	54.00	-11.21	37.65	5.14	Average	---	---
4	5427.00	55.90	74.00	-18.10	50.76	5.14	Peak	---	---
5	10400.00	55.59	68.30	-12.71	40.84	14.75	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)	5240
Polarization	Horizontal	Test Configuration	6



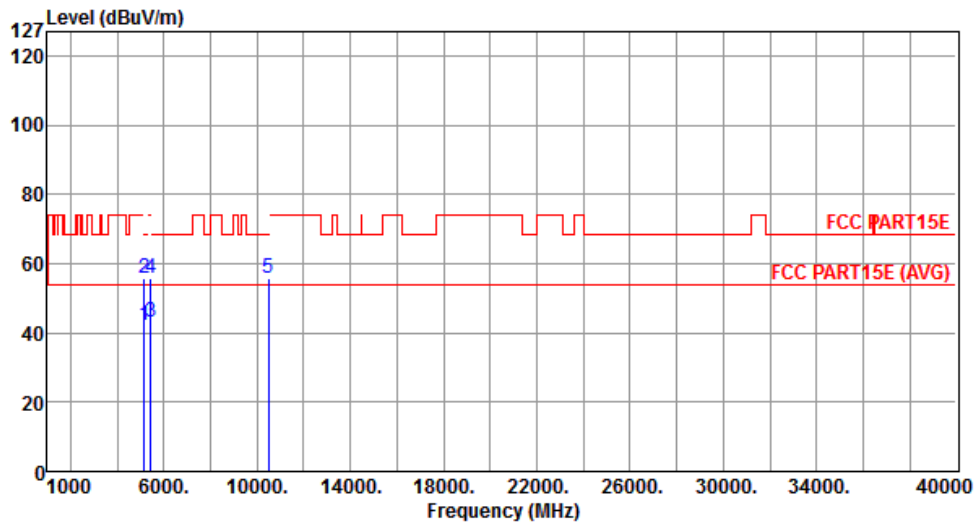
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.79	54.00	-12.21	36.85	4.94	Average	---	---
2	5150.00	54.81	74.00	-19.19	49.87	4.94	Peak	---	---
3	5427.00	41.78	54.00	-12.22	36.64	5.14	Average	---	---
4	5427.00	54.68	74.00	-19.32	49.54	5.14	Peak	---	---
5	10480.00	55.17	68.30	-13.13	40.33	14.84	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).

Modulation	11a	Test Freq. (MHz)	5240
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	5150.00	42.39	54.00	-11.61	37.45	4.94	Average	---	---
2	5150.00	55.96	74.00	-18.04	51.02	4.94	Peak	---	---
3	5427.00	43.03	54.00	-10.97	37.89	5.14	Average	---	---
4	5427.00	55.88	74.00	-18.12	50.74	5.14	Peak	---	---
5	10480.00	55.60	68.30	-12.70	40.76	14.84	Peak	---	---

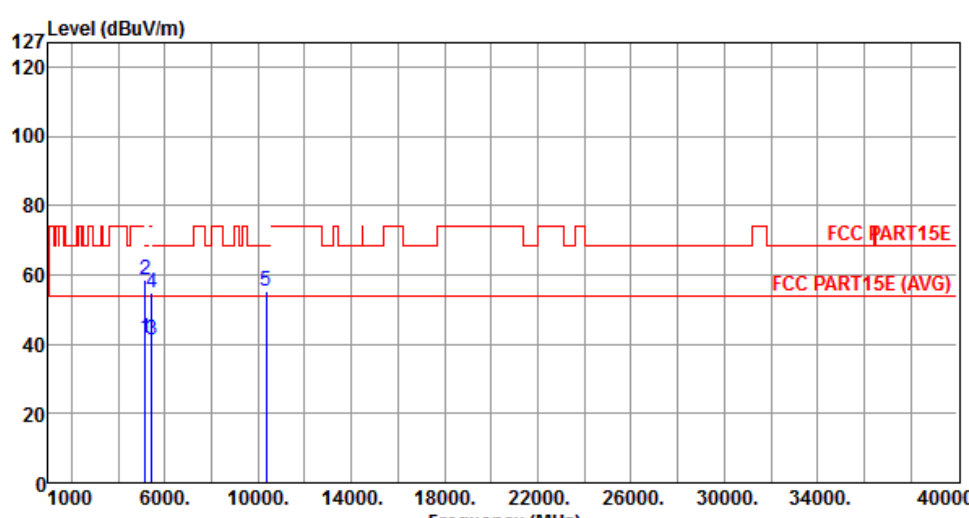
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

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

3.6.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

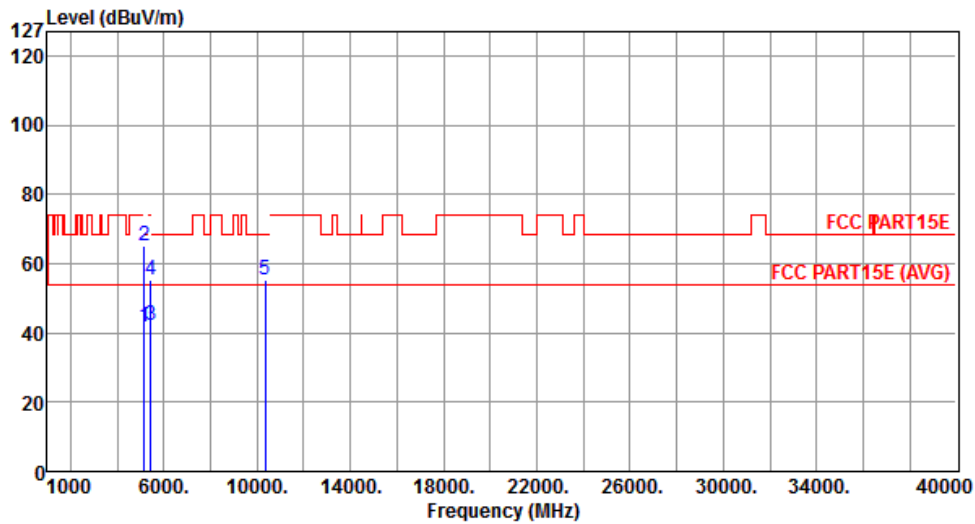
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.52	54.00	-12.48	36.58	4.94	Average	---	---
2	5150.00	58.41	74.00	-15.59	53.47	4.94	Peak	---	---
3	5427.00	41.38	54.00	-12.62	36.24	5.14	Average	---	---
4	5427.00	54.62	74.00	-19.38	49.48	5.14	Peak	---	---
5	10360.00	55.10	68.30	-13.20	40.39	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



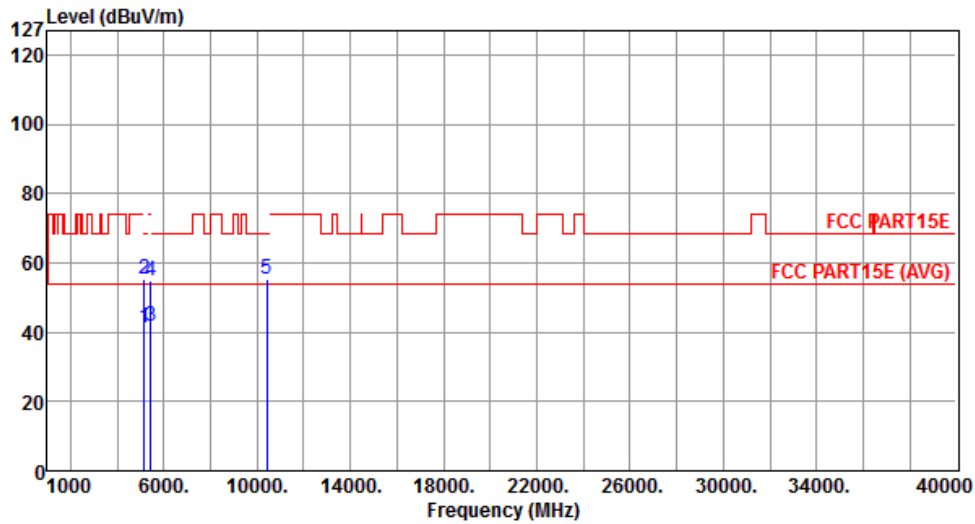
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.82	54.00	-12.18	36.88	4.94	Average	---	---
2	5150.00	65.27	74.00	-8.73	60.33	4.94	Peak	---	---
3	5427.00	42.32	54.00	-11.68	37.18	5.14	Average	---	---
4	5427.00	55.35	74.00	-18.65	50.21	5.14	Peak	---	---
5	10360.00	55.42	68.30	-12.88	40.71	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



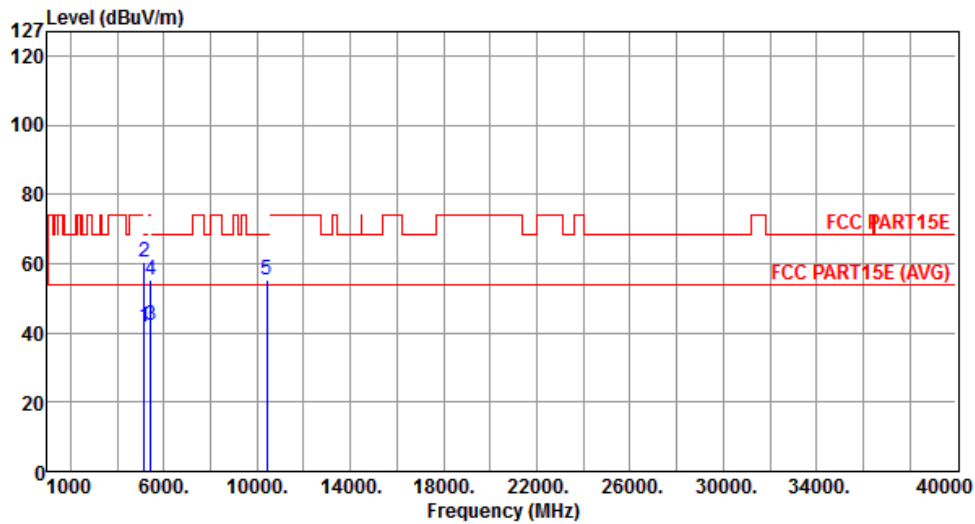
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.26	54.00	-12.74	36.32	4.94	Average	---	---
2	5150.00	55.26	74.00	-18.74	50.32	4.94	Peak	---	---
3	5427.00	41.66	54.00	-12.34	36.52	5.14	Average	---	---
4	5427.00	54.63	74.00	-19.37	49.49	5.14	Peak	---	---
5	10400.00	55.30	68.30	-13.00	40.55	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	1



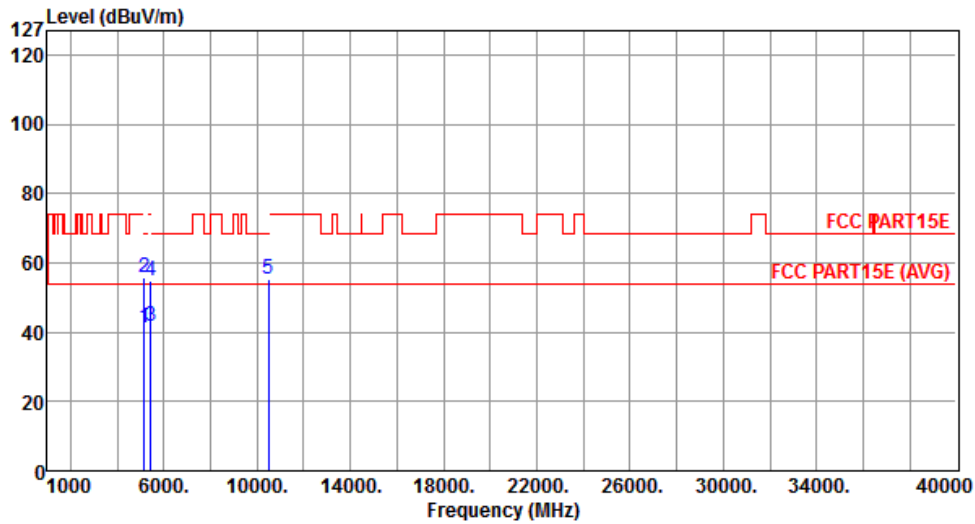
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.88	54.00	-12.12	36.94	4.94	Average	---	---
2	5150.00	60.57	74.00	-13.43	55.63	4.94	Peak	---	---
3	5427.00	42.25	54.00	-11.75	37.11	5.14	Average	---	---
4	5427.00	55.37	74.00	-18.63	50.23	5.14	Peak	---	---
5	10400.00	55.22	68.30	-13.08	40.47	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



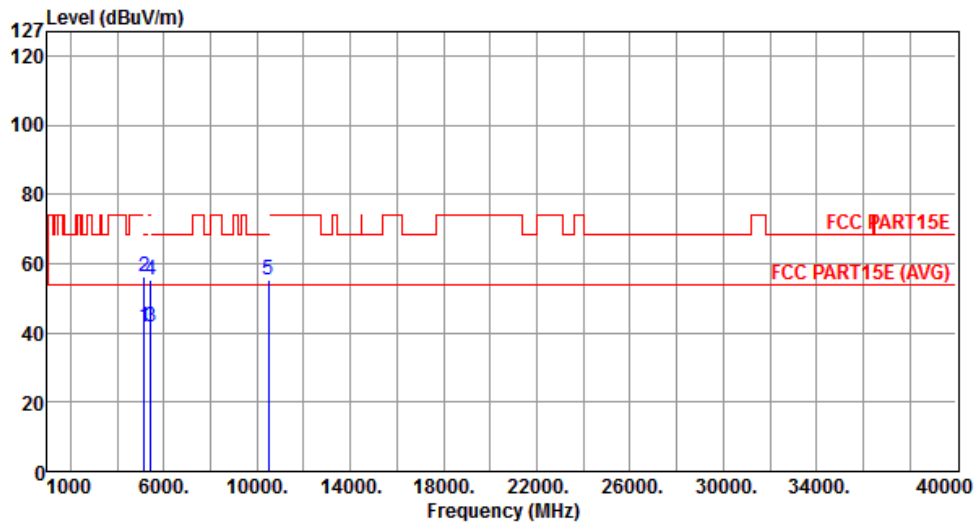
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.44	54.00	-12.56	36.50	4.94	Average	---	---
2	5150.00	55.68	74.00	-18.32	50.74	4.94	Peak	---	---
3	5427.00	41.62	54.00	-12.38	36.48	5.14	Average	---	---
4	5427.00	54.73	74.00	-19.27	49.59	5.14	Peak	---	---
5	10480.00	55.28	68.30	-13.02	40.44	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



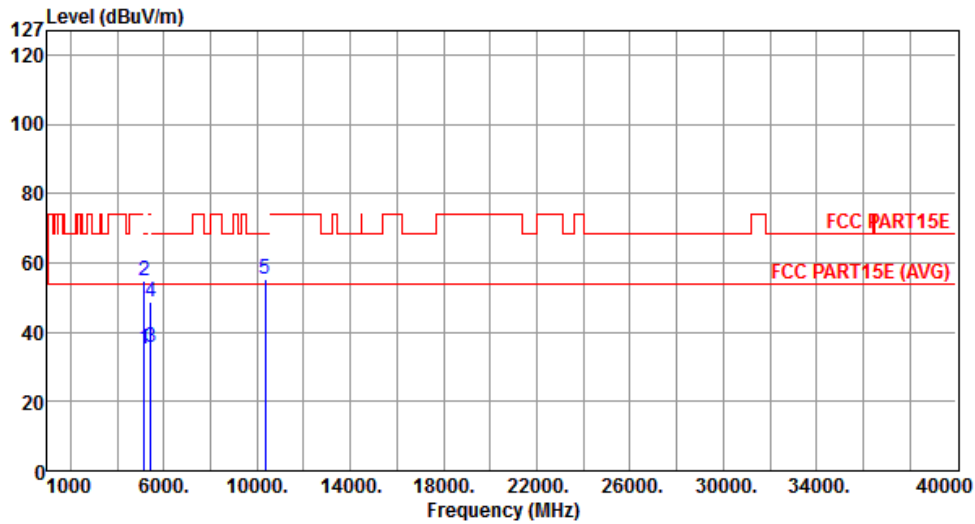
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.65	54.00	-12.35	36.71	4.94	Average	---	---
2	5150.00	56.27	74.00	-17.73	51.33	4.94	Peak	---	---
3	5427.00	41.88	54.00	-12.12	36.74	5.14	Average	---	---
4	5427.00	55.27	74.00	-18.73	50.13	5.14	Peak	---	---
5	10480.00	55.20	68.30	-13.10	40.36	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	2



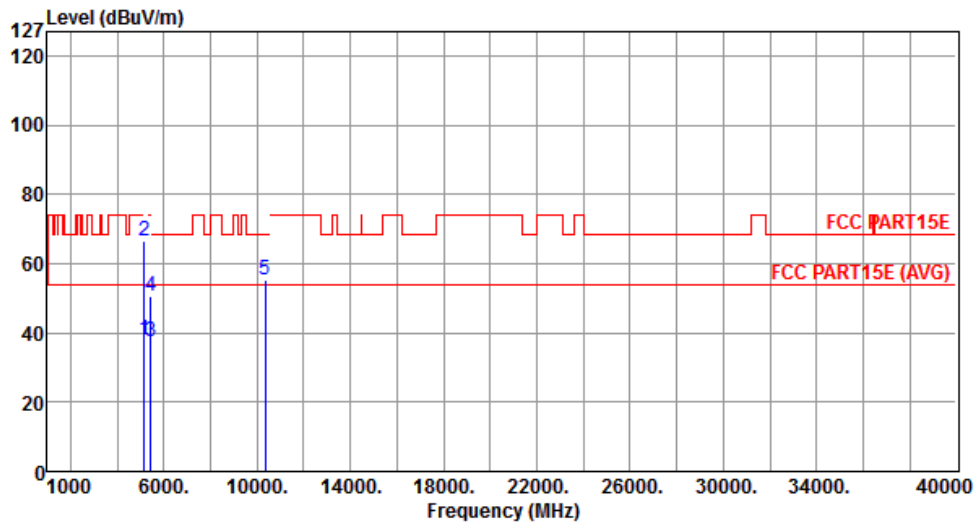
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	35.09	54.00	-18.91	30.15	4.94	Average	---	---
2	5150.00	54.84	74.00	-19.16	49.90	4.94	Peak	---	---
3	5427.00	35.68	54.00	-18.32	30.54	5.14	Average	---	---
4	5427.00	48.72	74.00	-25.28	43.58	5.14	Peak	---	---
5	10360.00	55.14	68.30	-13.16	40.43	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	2



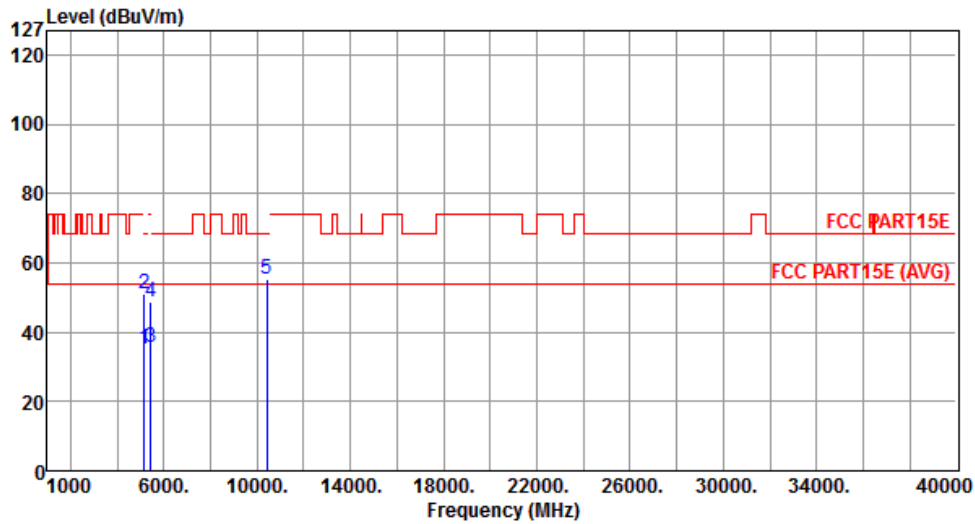
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	37.88	54.00	-16.12	32.94	4.94	Average	---	---
2	5150.00	66.42	74.00	-7.58	61.48	4.94	Peak	---	---
3	5427.00	37.59	54.00	-16.41	32.45	5.14	Average	---	---
4	5427.00	50.51	74.00	-23.49	45.37	5.14	Peak	---	---
5	10360.00	55.20	68.30	-13.10	40.49	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	2



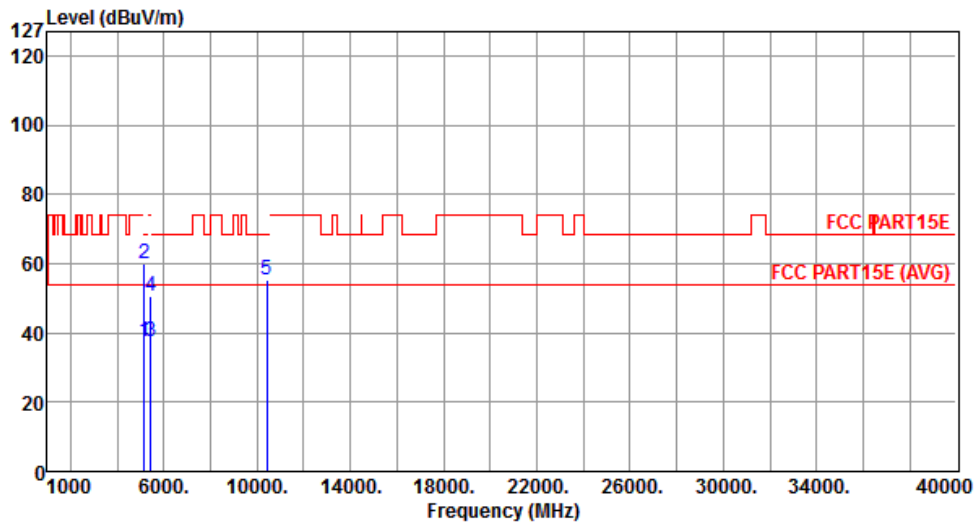
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	34.99	54.00	-19.01	30.05	4.94	Average	---	---
2	5150.00	50.87	74.00	-23.13	45.93	4.94	Peak	---	---
3	5427.00	35.42	54.00	-18.58	30.28	5.14	Average	---	---
4	5427.00	48.56	74.00	-25.44	43.42	5.14	Peak	---	---
5	10400.00	55.31	68.30	-12.99	40.56	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	2



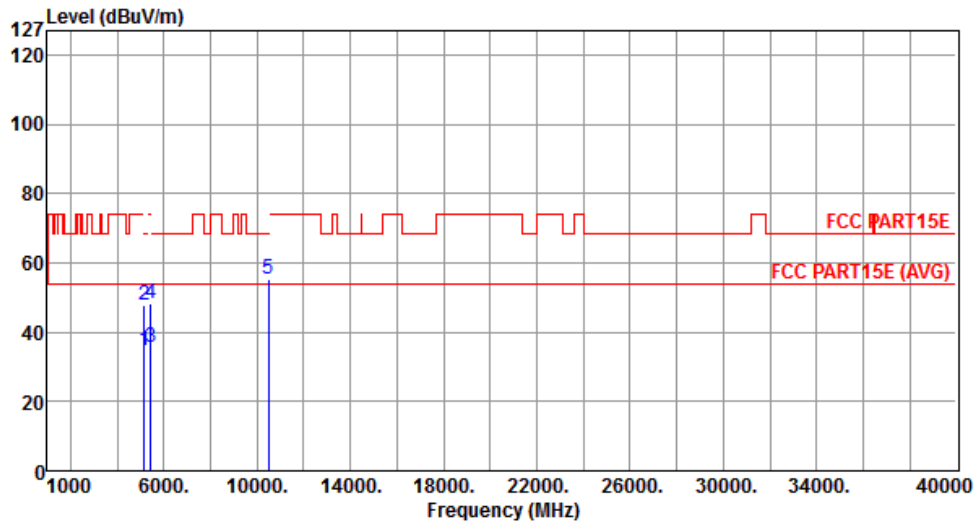
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	37.50	54.00	-16.50	32.56	4.94	Average	---	---
2	5150.00	60.06	74.00	-13.94	55.12	4.94	Peak	---	---
3	5427.00	37.33	54.00	-16.67	32.19	5.14	Average	---	---
4	5427.00	50.75	74.00	-23.25	45.61	5.14	Peak	---	---
5	10400.00	55.51	68.30	-12.79	40.76	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	2



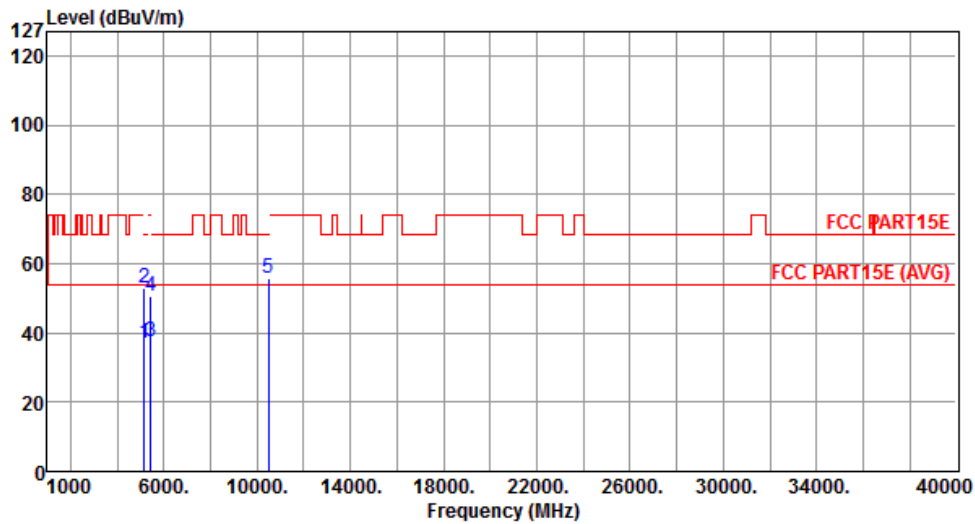
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	34.68	54.00	-19.32	29.74	4.94	Average	---	---
2	5150.00	47.76	74.00	-26.24	42.82	4.94	Peak	---	---
3	5427.00	35.40	54.00	-18.60	30.26	5.14	Average	---	---
4	5427.00	48.37	74.00	-25.63	43.23	5.14	Peak	---	---
5	10480.00	55.18	68.30	-13.12	40.34	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	2



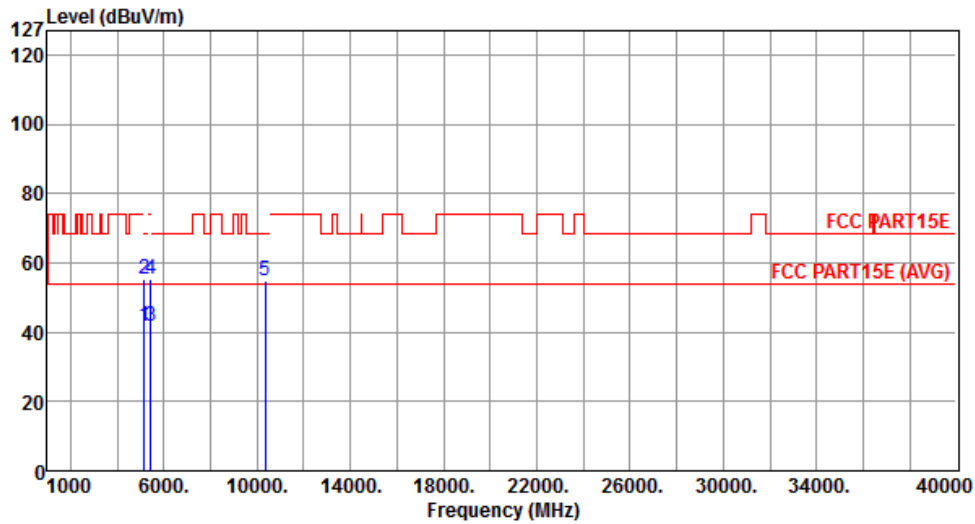
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	36.96	54.00	-17.04	32.02	4.94	Average	---	---
2	5150.00	53.05	74.00	-20.95	48.11	4.94	Peak	---	---
3	5427.00	37.33	54.00	-16.67	32.19	5.14	Average	---	---
4	5427.00	50.42	74.00	-23.58	45.28	5.14	Peak	---	---
5	10480.00	55.56	68.30	-12.74	40.72	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	3



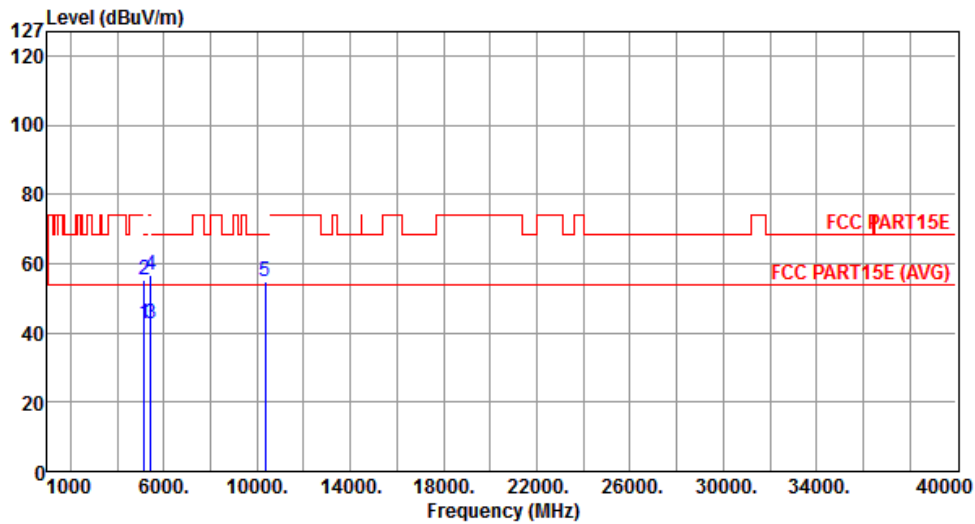
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.74	54.00	-12.26	36.80	4.94	Average	---	---
2	5150.00	55.19	74.00	-18.81	50.25	4.94	Peak	---	---
3	5427.00	41.86	54.00	-12.14	36.72	5.14	Average	---	---
4	5427.00	55.52	74.00	-18.48	50.38	5.14	Peak	---	---
5	10360.00	55.04	68.30	-13.26	40.33	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	3



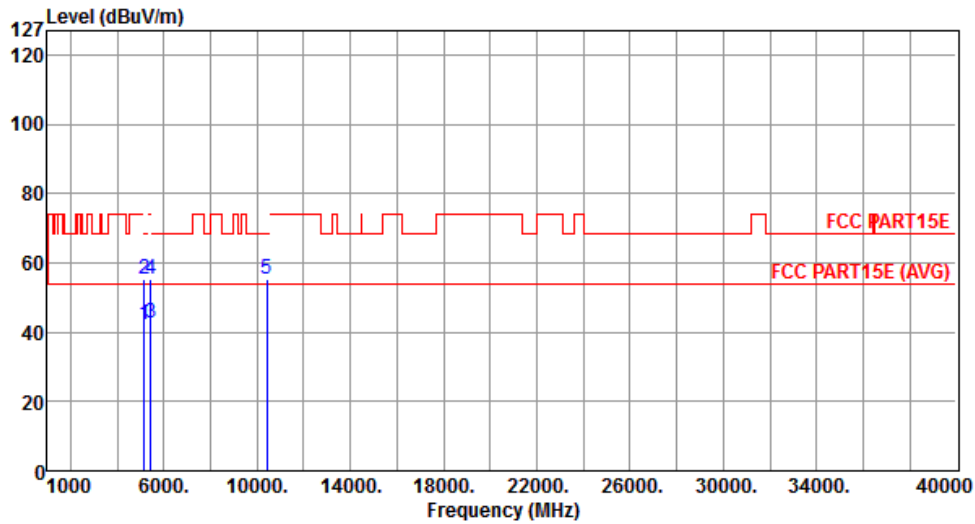
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.65	54.00	-11.35	37.71	4.94	Average	---	---
2	5150.00	55.50	74.00	-18.50	50.56	4.94	Peak	---	---
3	5427.00	42.73	54.00	-11.27	37.59	5.14	Average	---	---
4	5427.00	56.64	74.00	-17.36	51.50	5.14	Peak	---	---
5	10360.00	54.99	68.30	-13.31	40.28	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	3



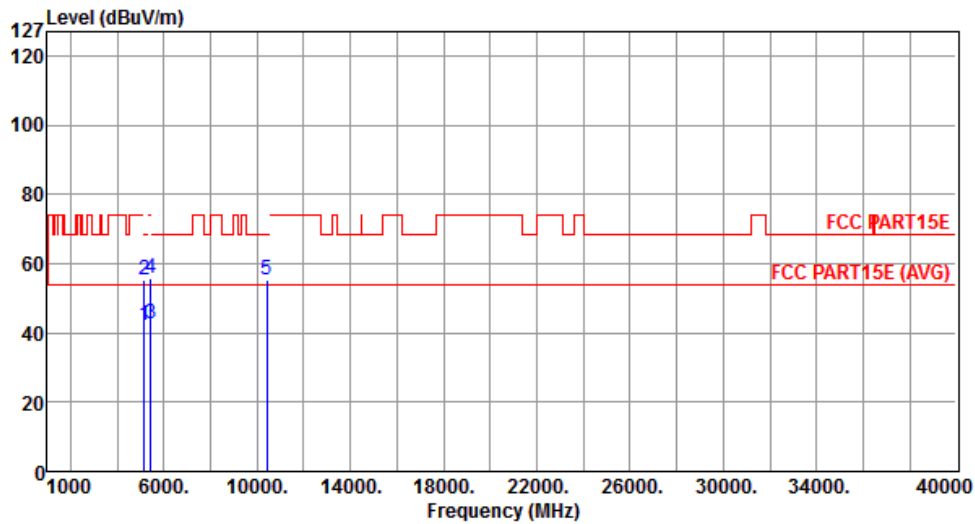
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.16	54.00	-11.84	37.22	4.94	Average	---	---
2	5150.00	55.21	74.00	-18.79	50.27	4.94	Peak	---	---
3	5427.00	42.47	54.00	-11.53	37.33	5.14	Average	---	---
4	5427.00	55.42	74.00	-18.58	50.28	5.14	Peak	---	---
5	10400.00	55.30	68.30	-13.00	40.55	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	3



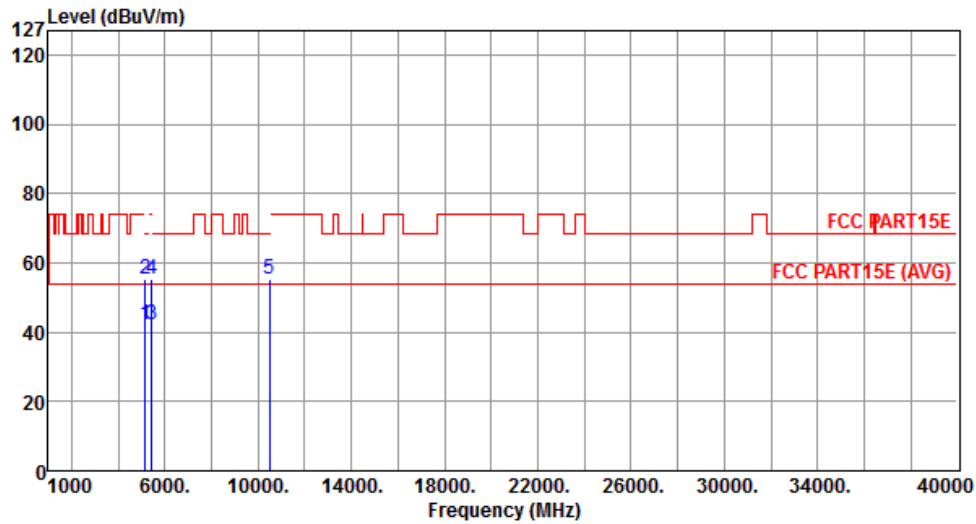
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.20	54.00	-11.80	37.26	4.94	Average	---	---
2	5150.00	55.45	74.00	-18.55	50.51	4.94	Peak	---	---
3	5427.00	42.58	54.00	-11.42	37.44	5.14	Average	---	---
4	5427.00	55.75	74.00	-18.25	50.61	5.14	Peak	---	---
5	10400.00	55.12	68.30	-13.18	40.37	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	3



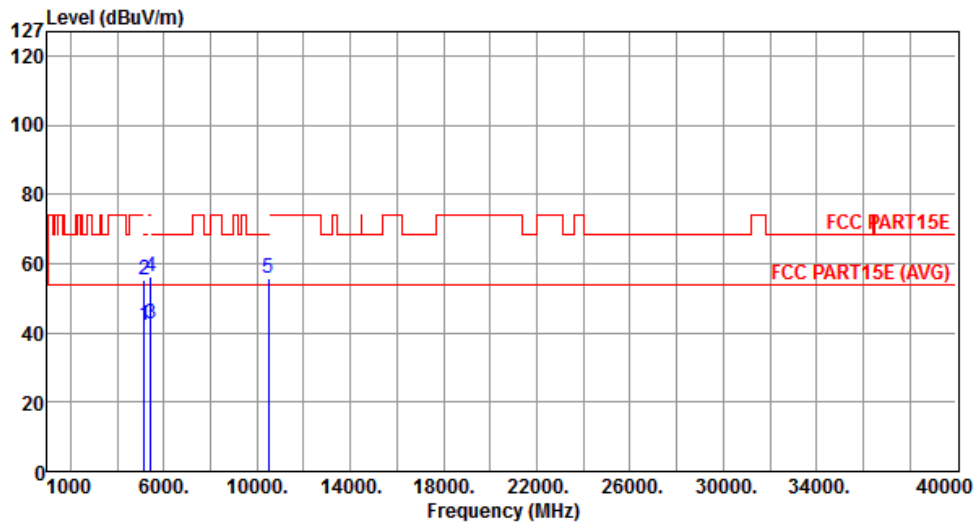
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.19	54.00	-11.81	37.25	4.94	Average	---	---
2	5150.00	55.07	74.00	-18.93	50.13	4.94	Peak	---	---
3	5427.00	42.32	54.00	-11.68	37.18	5.14	Average	---	---
4	5427.00	55.45	74.00	-18.55	50.31	5.14	Peak	---	---
5	10480.00	55.39	68.30	-12.91	40.55	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	3



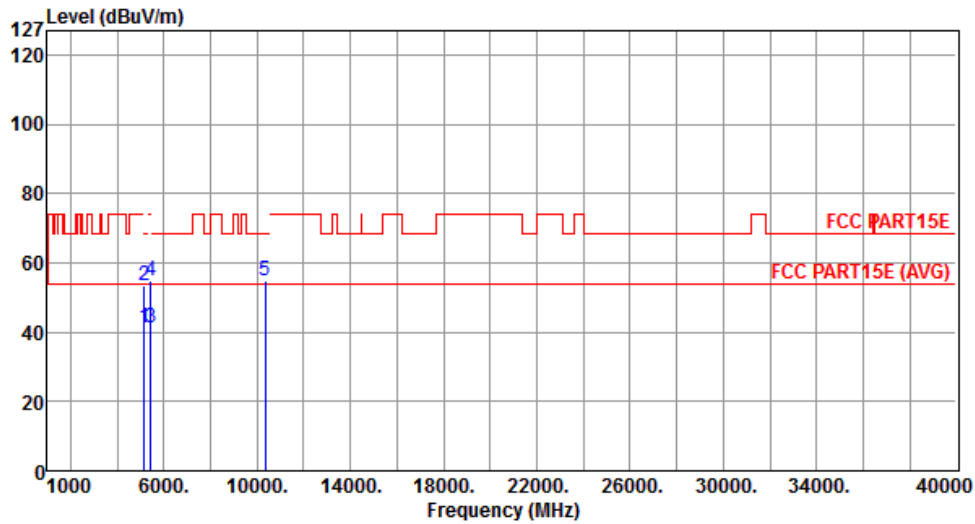
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.25	54.00	-11.75	37.31	4.94	Average	---	---
2	5150.00	55.20	74.00	-18.80	50.26	4.94	Peak	---	---
3	5427.00	42.75	54.00	-11.25	37.61	5.14	Average	---	---
4	5427.00	56.02	74.00	-17.98	50.88	5.14	Peak	---	---
5	10480.00	55.69	68.30	-12.61	40.85	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	4



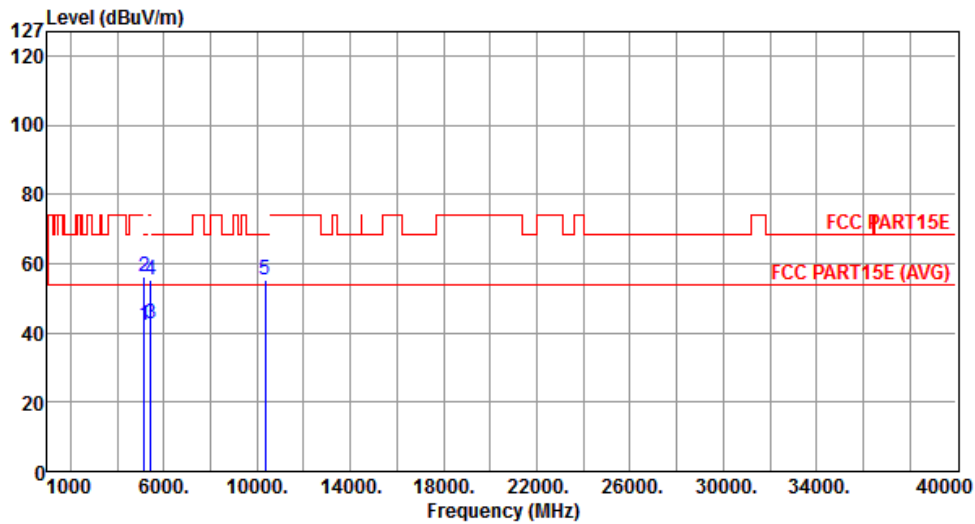
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.25	54.00	-12.75	36.31	4.94	Average	---	---
2	5150.00	53.28	74.00	-20.72	48.34	4.94	Peak	---	---
3	5427.00	41.35	54.00	-12.65	36.21	5.14	Average	---	---
4	5427.00	54.87	74.00	-19.13	49.73	5.14	Peak	---	---
5	10360.00	54.87	68.30	-13.43	40.16	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	4



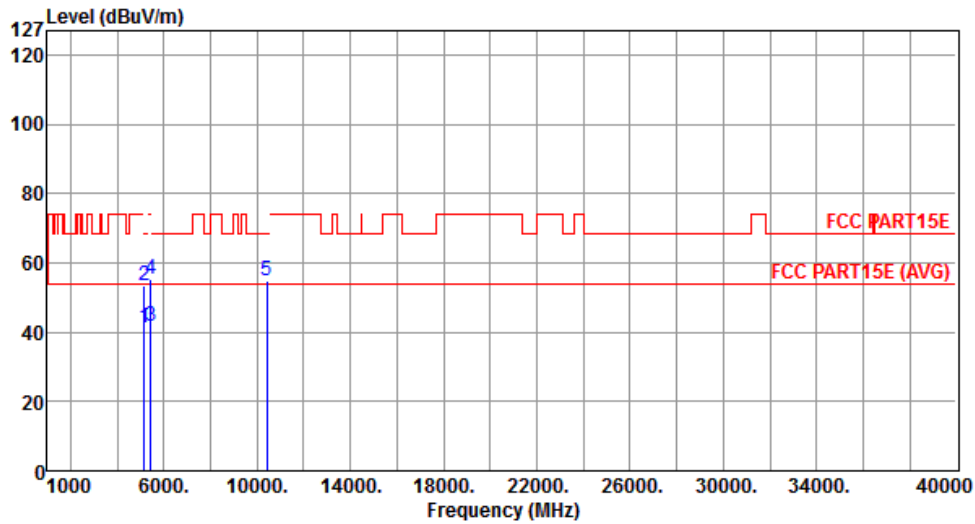
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.33	54.00	-11.67	37.39	4.94	Average	---	---
2	5150.00	56.35	74.00	-17.65	51.41	4.94	Peak	---	---
3	5427.00	42.75	54.00	-11.25	37.61	5.14	Average	---	---
4	5427.00	55.09	74.00	-18.91	49.95	5.14	Peak	---	---
5	10360.00	55.13	68.30	-13.17	40.42	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	4



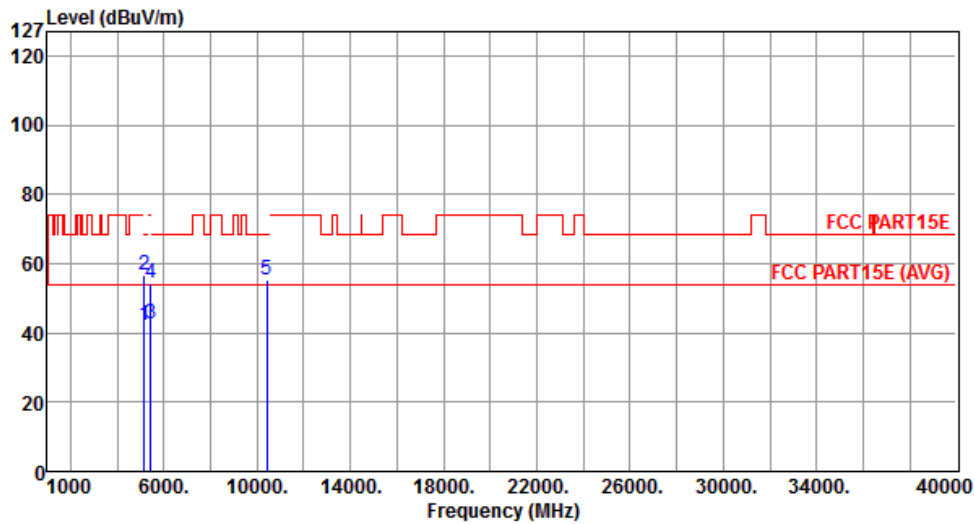
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.42	54.00	-12.58	36.48	4.94	Average	---	---
2	5150.00	53.61	74.00	-20.39	48.67	4.94	Peak	---	---
3	5427.00	41.62	54.00	-12.38	36.48	5.14	Average	---	---
4	5427.00	55.16	74.00	-18.84	50.02	5.14	Peak	---	---
5	10400.00	55.03	68.30	-13.27	40.28	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	4



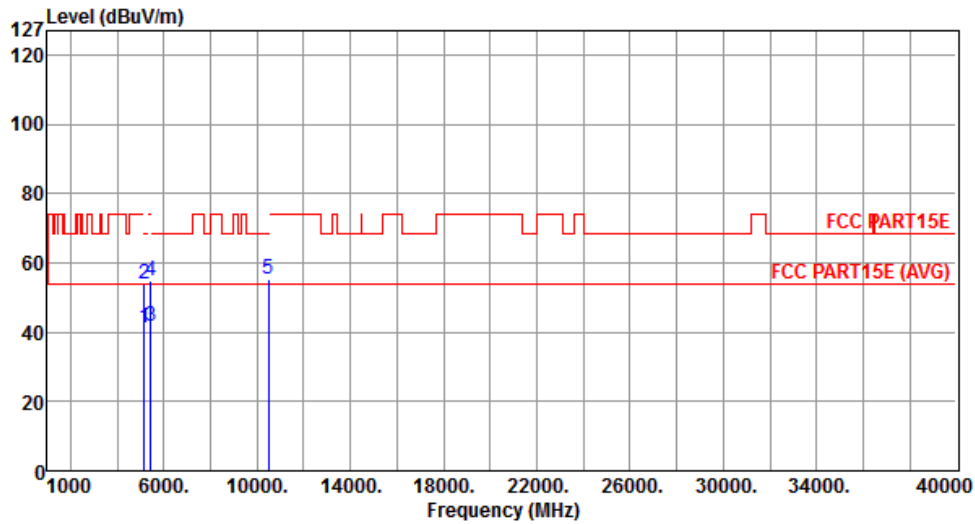
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.37	54.00	-11.63	37.43	4.94	Average	---	---
2	5150.00	56.58	74.00	-17.42	51.64	4.94	Peak	---	---
3	5427.00	42.48	54.00	-11.52	37.34	5.14	Average	---	---
4	5427.00	54.38	74.00	-19.62	49.24	5.14	Peak	---	---
5	10400.00	55.12	68.30	-13.18	40.37	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	4



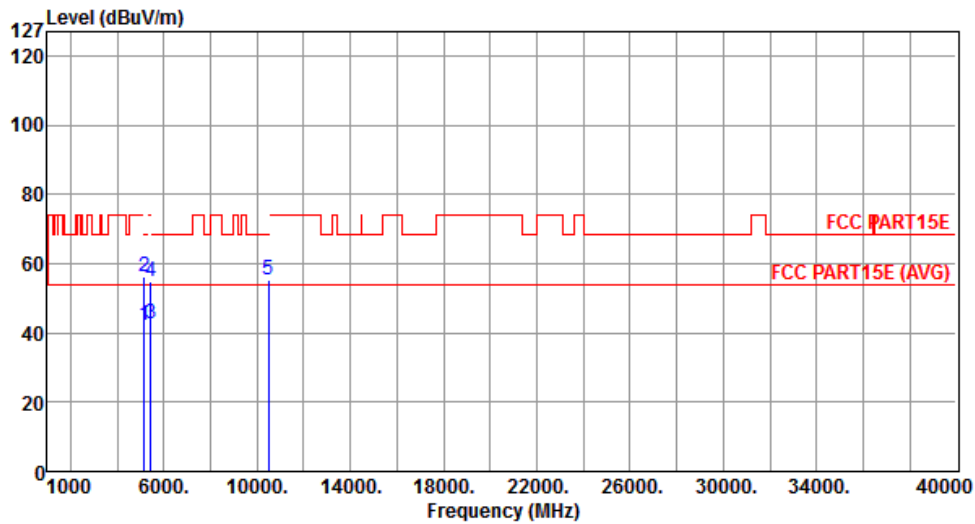
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.35	54.00	-12.65	36.41	4.94	Average	---	---
2	5150.00	53.82	74.00	-20.18	48.88	4.94	Peak	---	---
3	5427.00	41.57	54.00	-12.43	36.43	5.14	Average	---	---
4	5427.00	54.62	74.00	-19.38	49.48	5.14	Peak	---	---
5	10480.00	55.28	68.30	-13.02	40.44	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	4



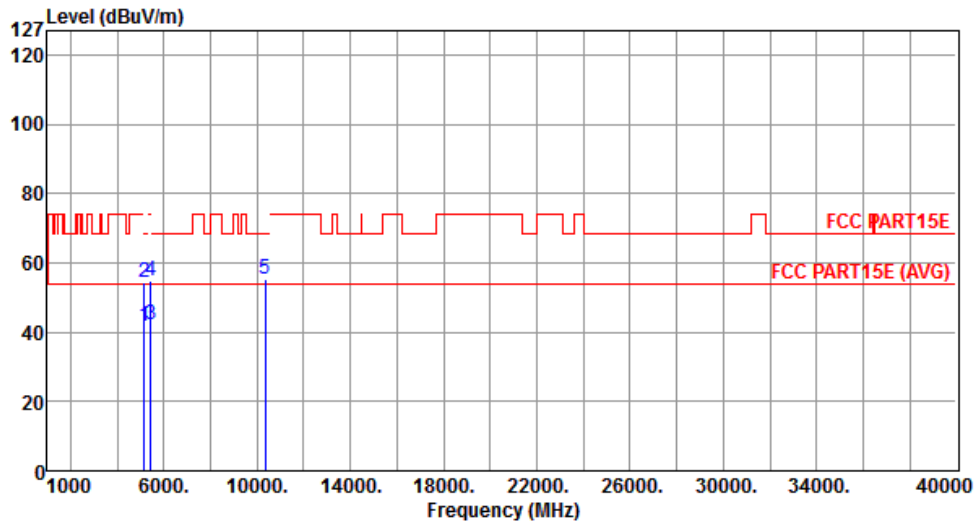
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.38	54.00	-11.62	37.44	4.94	Average	---	---
2	5150.00	56.33	74.00	-17.67	51.39	4.94	Peak	---	---
3	5427.00	42.58	54.00	-11.42	37.44	5.14	Average	---	---
4	5427.00	54.95	74.00	-19.05	49.81	5.14	Peak	---	---
5	10480.00	55.20	68.30	-13.10	40.36	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	5



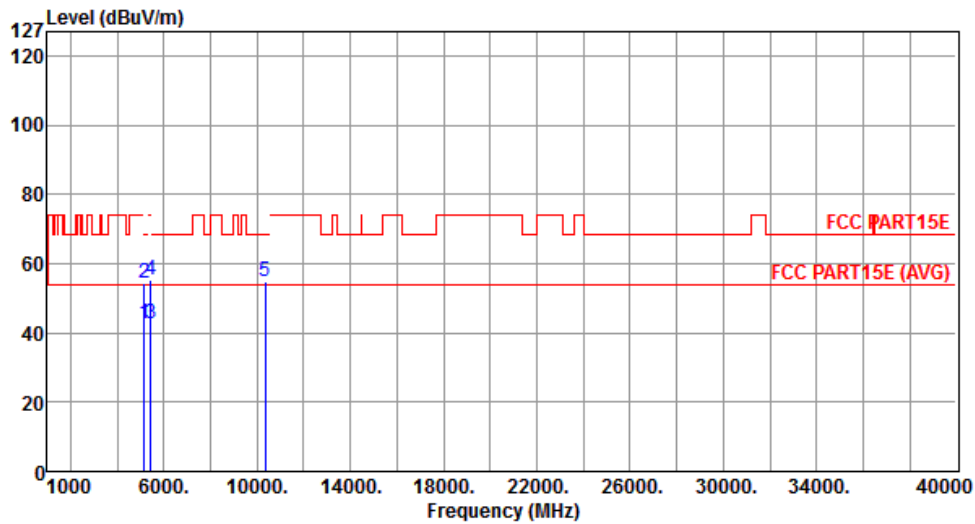
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.79	54.00	-12.21	36.85	4.94	Average	---	---
2	5150.00	54.55	74.00	-19.45	49.61	4.94	Peak	---	---
3	5427.00	42.03	54.00	-11.97	36.89	5.14	Average	---	---
4	5427.00	54.67	74.00	-19.33	49.53	5.14	Peak	---	---
5	10360.00	55.12	68.30	-13.18	40.41	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	5



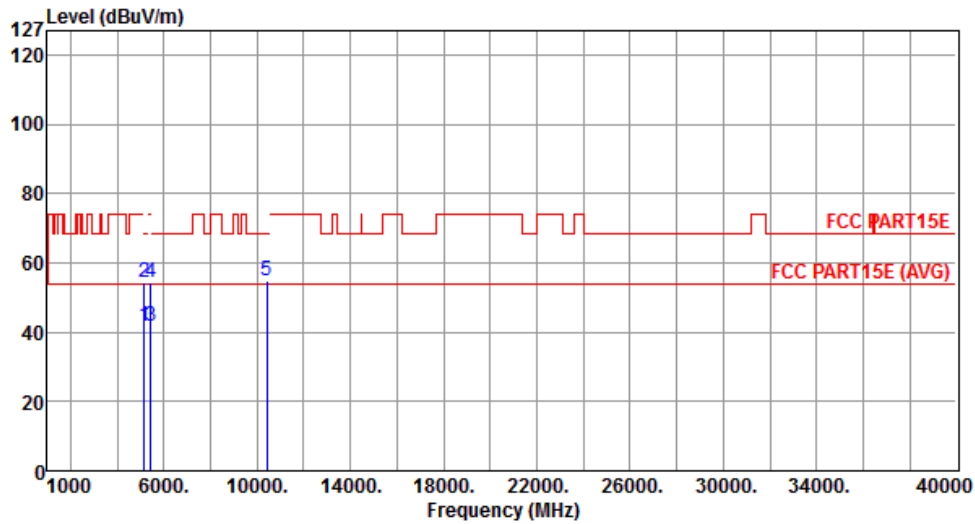
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.56	54.00	-11.44	37.62	4.94	Average	---	---
2	5150.00	54.25	74.00	-19.75	49.31	4.94	Peak	---	---
3	5427.00	42.65	54.00	-11.35	37.51	5.14	Average	---	---
4	5427.00	55.30	74.00	-18.70	50.16	5.14	Peak	---	---
5	10360.00	54.93	68.30	-13.37	40.22	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	5



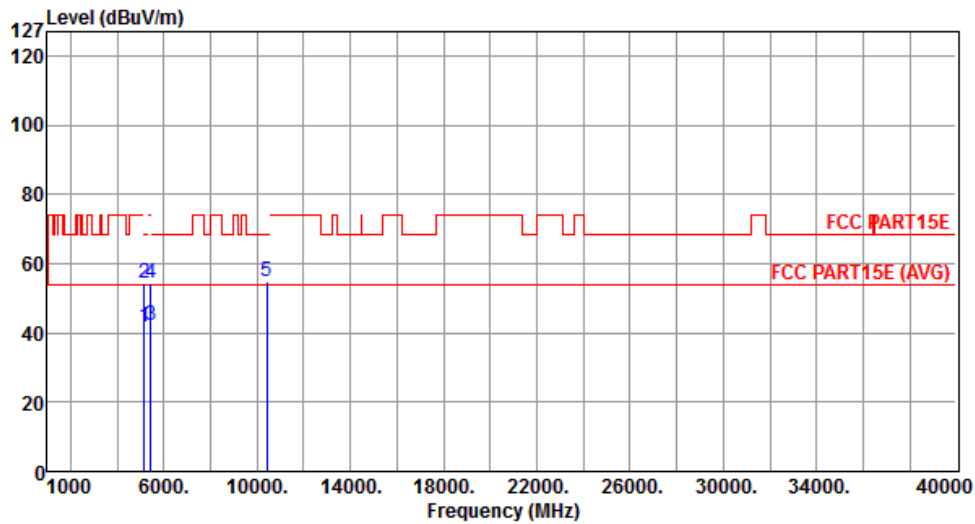
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.79	54.00	-12.21	36.85	4.94	Average	---	---
2	5150.00	54.55	74.00	-19.45	49.61	4.94	Peak	---	---
3	5427.00	41.72	54.00	-12.28	36.58	5.14	Average	---	---
4	5427.00	54.55	74.00	-19.45	49.41	5.14	Peak	---	---
5	10400.00	55.00	68.30	-13.30	40.25	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	5



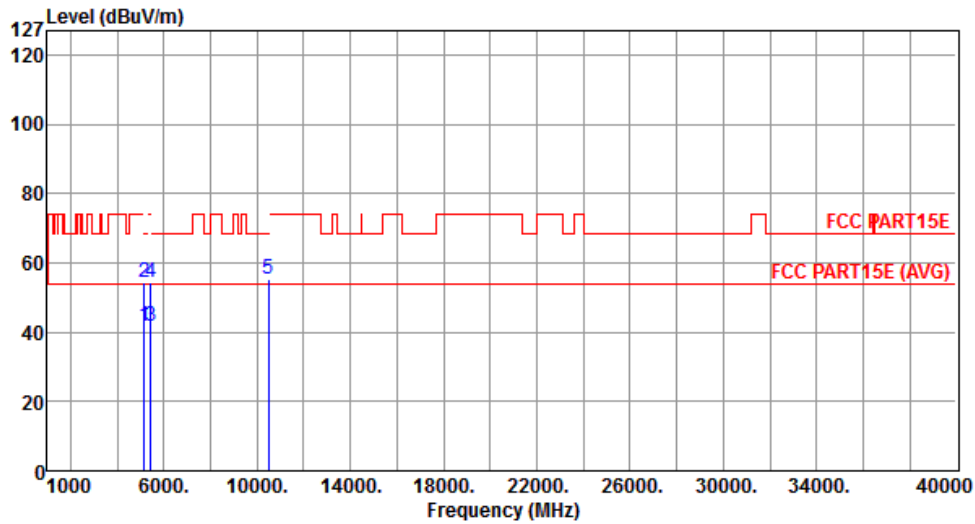
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.71	54.00	-12.29	36.77	4.94	Average	---	---
2	5150.00	54.33	74.00	-19.67	49.39	4.94	Peak	---	---
3	5427.00	42.11	54.00	-11.89	36.97	5.14	Average	---	---
4	5427.00	54.52	74.00	-19.48	49.38	5.14	Peak	---	---
5	10400.00	54.87	68.30	-13.43	40.12	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	5



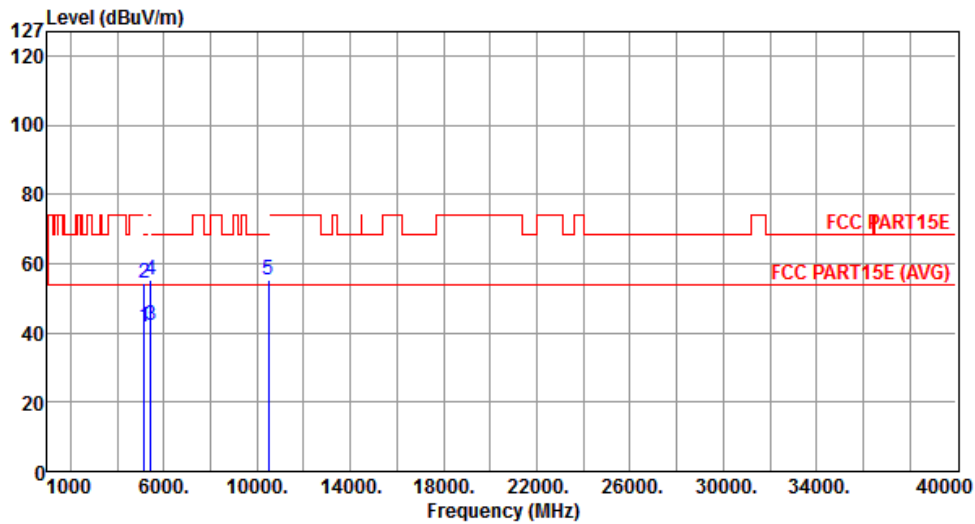
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.49	54.00	-12.51	36.55	4.94	Average	---	---
2	5150.00	54.25	74.00	-19.75	49.31	4.94	Peak	---	---
3	5427.00	41.78	54.00	-12.22	36.64	5.14	Average	---	---
4	5427.00	54.25	74.00	-19.75	49.11	5.14	Peak	---	---
5	10480.00	55.17	68.30	-13.13	40.33	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	5



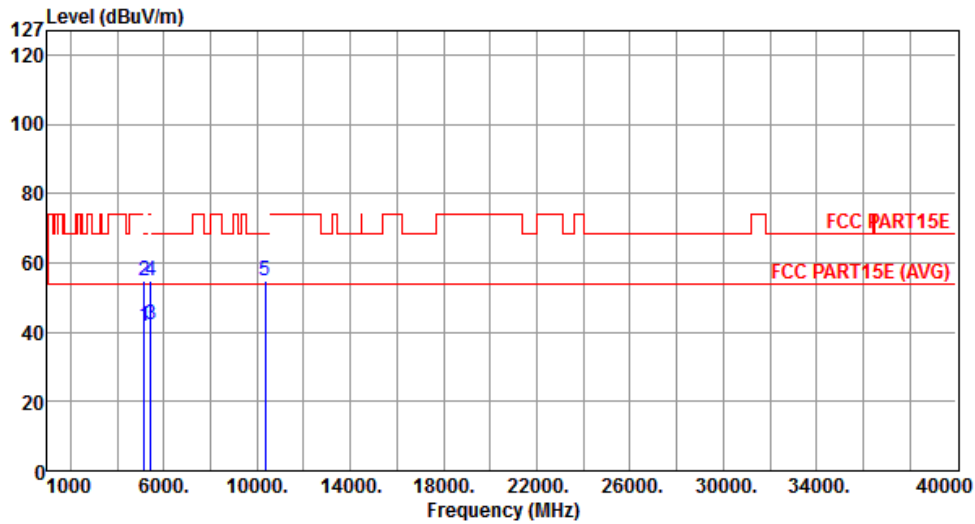
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.85	54.00	-12.15	36.91	4.94	Average	---	---
2	5150.00	54.45	74.00	-19.55	49.51	4.94	Peak	---	---
3	5427.00	42.36	54.00	-11.64	37.22	5.14	Average	---	---
4	5427.00	55.30	74.00	-18.70	50.16	5.14	Peak	---	---
5	10480.00	55.26	68.30	-13.04	40.42	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	6



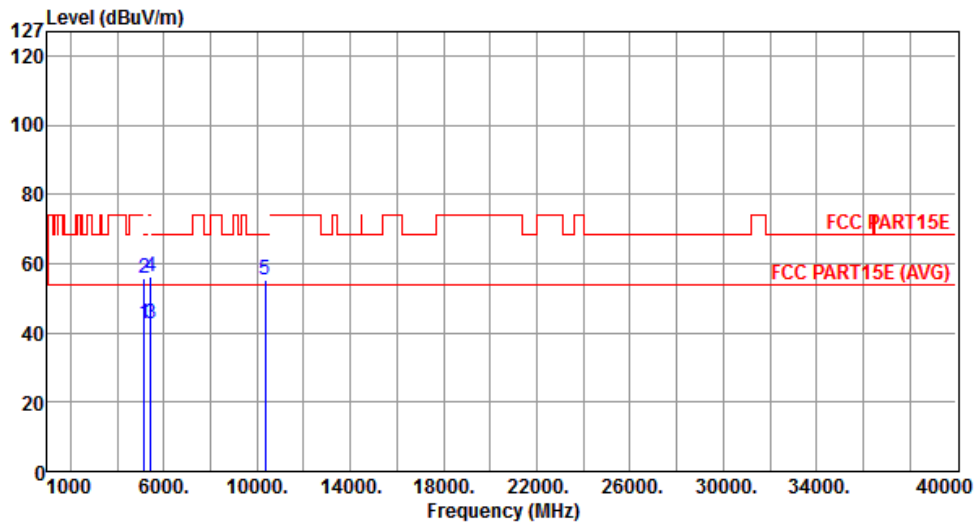
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.62	54.00	-12.38	36.68	4.94	Average	---	---
2	5150.00	54.60	74.00	-19.40	49.66	4.94	Peak	---	---
3	5427.00	42.25	54.00	-11.75	37.11	5.14	Average	---	---
4	5427.00	54.66	74.00	-19.34	49.52	5.14	Peak	---	---
5	10360.00	55.06	68.30	-13.24	40.35	14.71	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	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	6



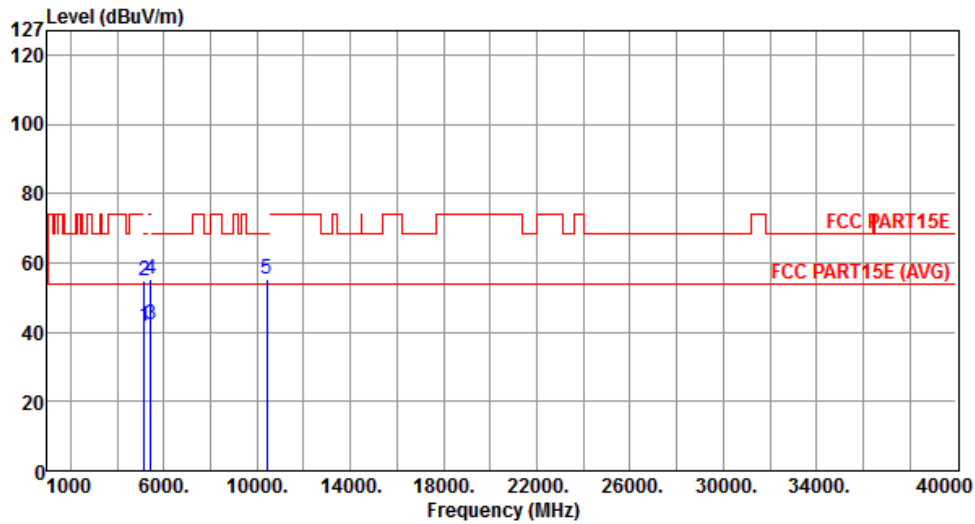
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.76	54.00	-11.24	37.82	4.94	Average	---	---
2	5150.00	55.91	74.00	-18.09	50.97	4.94	Peak	---	---
3	5427.00	42.82	54.00	-11.18	37.68	5.14	Average	---	---
4	5427.00	56.39	74.00	-17.61	51.25	5.14	Peak	---	---
5	10360.00	55.22	68.30	-13.08	40.51	14.71	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	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	6



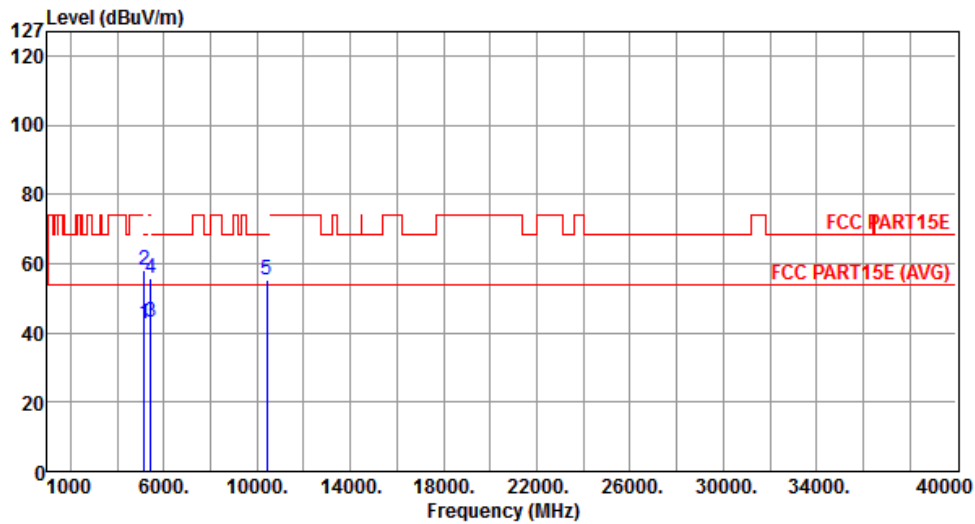
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.76	54.00	-12.24	36.82	4.94	Average	---	---
2	5150.00	54.87	74.00	-19.13	49.93	4.94	Peak	---	---
3	5427.00	41.99	54.00	-12.01	36.85	5.14	Average	---	---
4	5427.00	55.07	74.00	-18.93	49.93	5.14	Peak	---	---
5	10400.00	55.16	68.30	-13.14	40.41	14.75	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	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	6



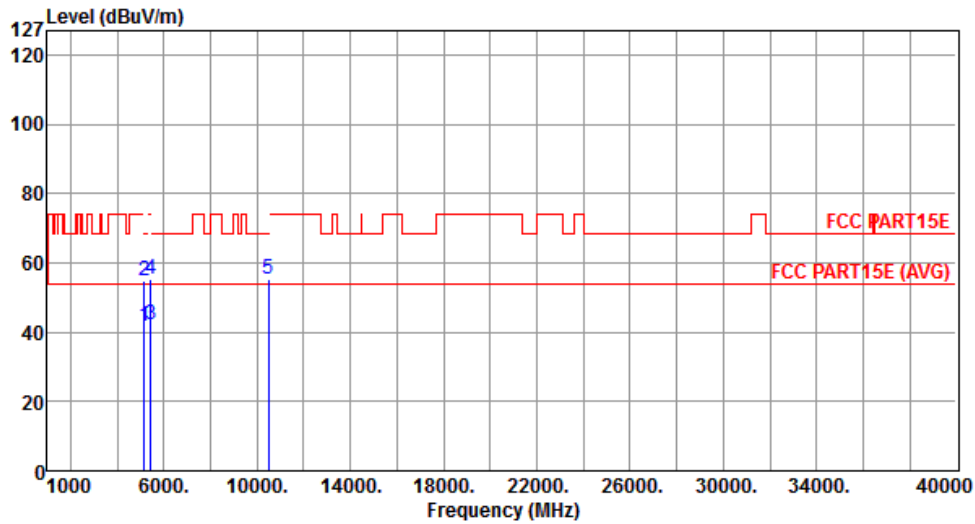
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.63	54.00	-11.37	37.69	4.94	Average	---	---
2	5150.00	58.15	74.00	-15.85	53.21	4.94	Peak	---	---
3	5427.00	42.93	54.00	-11.07	37.79	5.14	Average	---	---
4	5427.00	55.62	74.00	-18.38	50.48	5.14	Peak	---	---
5	10400.00	55.21	68.30	-13.09	40.46	14.75	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	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	6



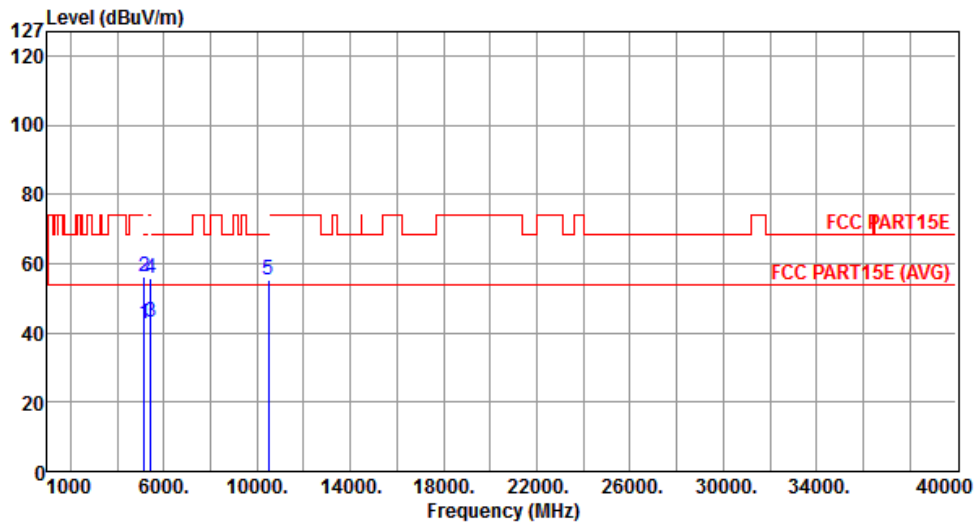
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.85	54.00	-12.15	36.91	4.94	Average	---	---
2	5150.00	54.89	74.00	-19.11	49.95	4.94	Peak	---	---
3	5427.00	42.02	54.00	-11.98	36.88	5.14	Average	---	---
4	5427.00	55.11	74.00	-18.89	49.97	5.14	Peak	---	---
5	10480.00	55.26	68.30	-13.04	40.42	14.84	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).

Modulation	VHT20	Test Freq. (MHz)	5240
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	5150.00	42.59	54.00	-11.41	37.65	4.94	Average	---	---
2	5150.00	56.18	74.00	-17.82	51.24	4.94	Peak	---	---
3	5427.00	43.10	54.00	-10.90	37.96	5.14	Average	---	---
4	5427.00	55.95	74.00	-18.05	50.81	5.14	Peak	---	---
5	10480.00	55.51	68.30	-12.79	40.67	14.84	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).

3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

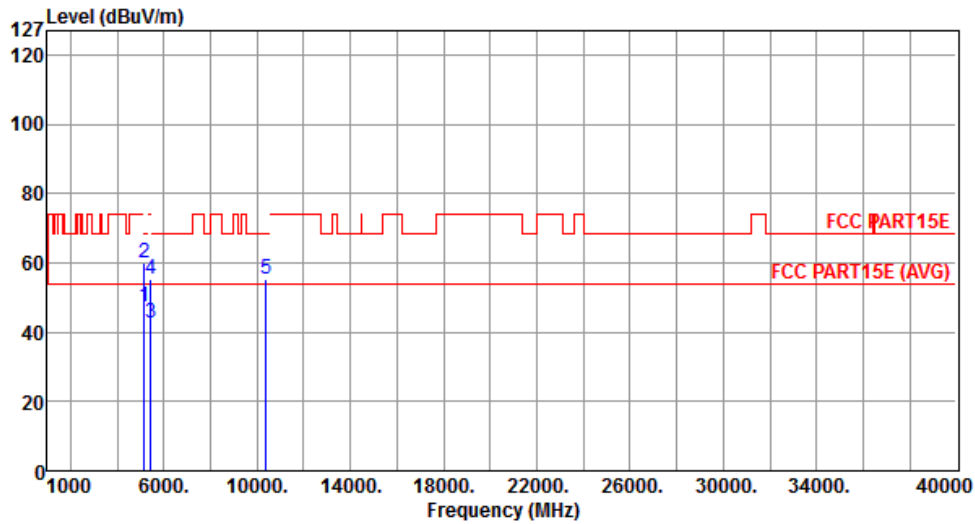
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.15	54.00	-11.85	37.21	4.94	Average	---	---
2	5150.00	54.84	74.00	-19.16	49.90	4.94	Peak	---	---
3	5427.00	41.65	54.00	-12.35	36.51	5.14	Average	---	---
4	5427.00	54.96	74.00	-19.04	49.82	5.14	Peak	---	---
5	10380.00	55.43	68.30	-12.87	40.70	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	1



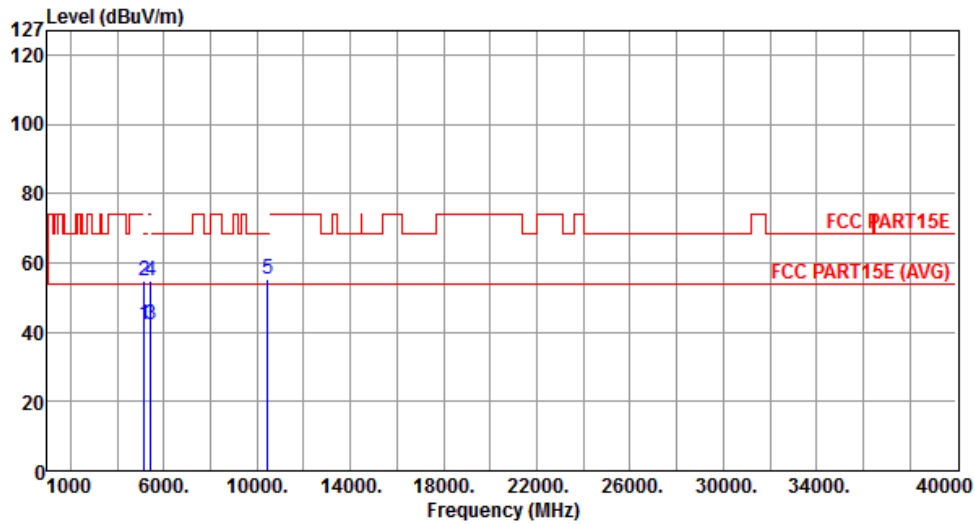
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.14	54.00	-6.86	42.20	4.94	Average	---	---
2	5150.00	60.18	74.00	-13.82	55.24	4.94	Peak	---	---
3	5427.00	42.61	54.00	-11.39	37.47	5.14	Average	---	---
4	5427.00	55.24	74.00	-18.76	50.10	5.14	Peak	---	---
5	10380.00	55.39	68.30	-12.91	40.66	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	1



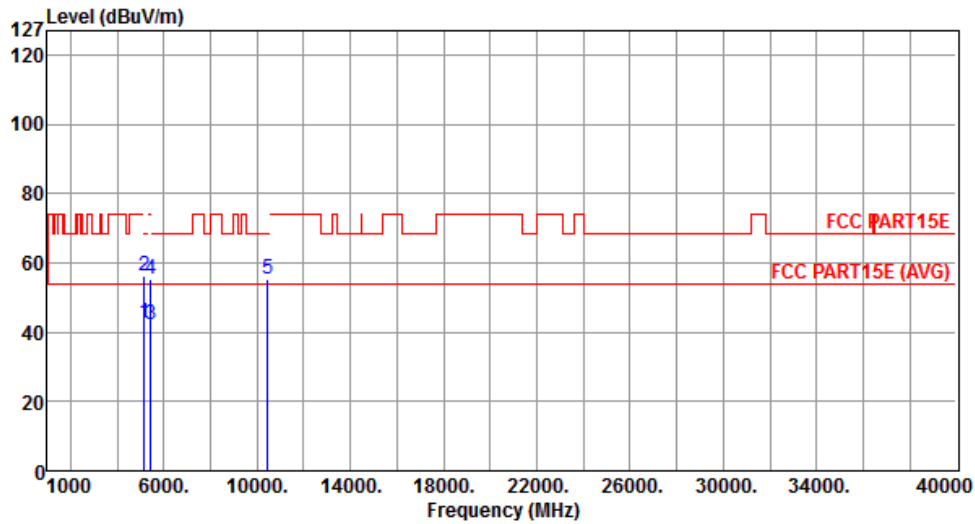
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.33	54.00	-11.67	37.39	4.94	Average	---	---
2	5150.00	54.91	74.00	-19.09	49.97	4.94	Peak	---	---
3	5427.00	41.96	54.00	-12.04	36.82	5.14	Average	---	---
4	5427.00	54.85	74.00	-19.15	49.71	5.14	Peak	---	---
5	10460.00	55.38	68.30	-12.92	40.56	14.82	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	1



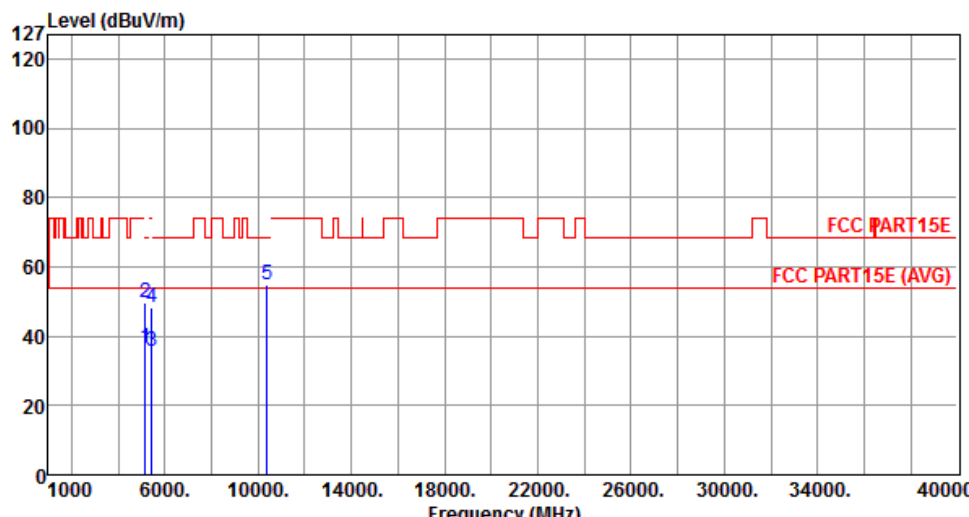
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.46	54.00	-11.54	37.52	4.94	Average	---	---
2	5150.00	56.30	74.00	-17.70	51.36	4.94	Peak	---	---
3	5427.00	42.36	54.00	-11.64	37.22	5.14	Average	---	---
4	5427.00	55.12	74.00	-18.88	49.98	5.14	Peak	---	---
5	10460.00	55.19	68.30	-13.11	40.37	14.82	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).

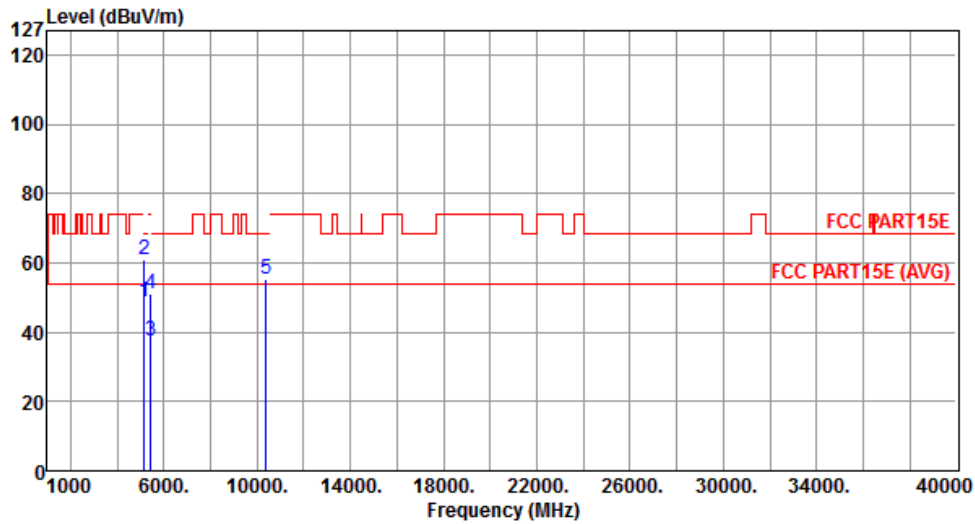
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	36.46	54.00	-17.54	31.52	4.94	Average	---	---
2	5150.00	49.46	74.00	-24.54	44.52	4.94	Peak	---	---
3	5427.00	35.83	54.00	-18.17	30.69	5.14	Average	---	---
4	5427.00	48.28	74.00	-25.72	43.14	5.14	Peak	---	---
5	10380.00	54.77	68.30	-13.53	40.04	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	2



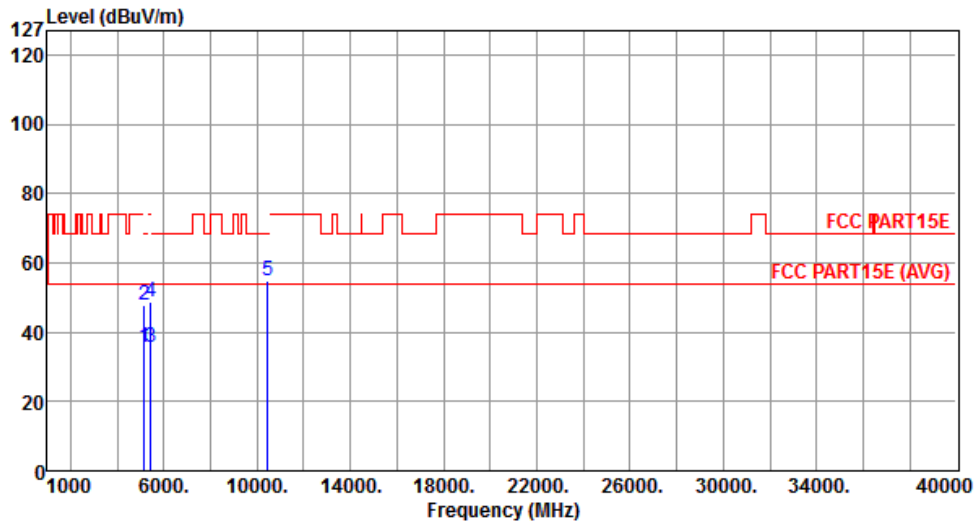
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.91	54.00	-5.09	43.97	4.94	Average	---	---
2	5150.00	60.97	74.00	-13.03	56.03	4.94	Peak	---	---
3	5427.00	37.62	54.00	-16.38	32.48	5.14	Average	---	---
4	5427.00	51.19	74.00	-22.81	46.05	5.14	Peak	---	---
5	10380.00	55.47	68.30	-12.83	40.74	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	2



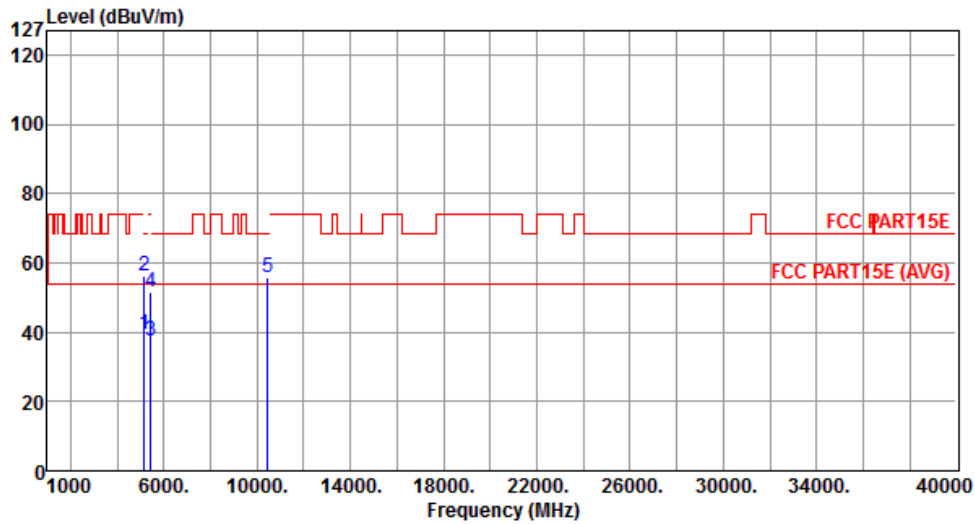
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	35.40	54.00	-18.60	30.46	4.94	Average	---	---
2	5150.00	47.71	74.00	-26.29	42.77	4.94	Peak	---	---
3	5427.00	35.42	54.00	-18.58	30.28	5.14	Average	---	---
4	5427.00	48.66	74.00	-25.34	43.52	5.14	Peak	---	---
5	10460.00	54.94	68.30	-13.36	40.12	14.82	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	2



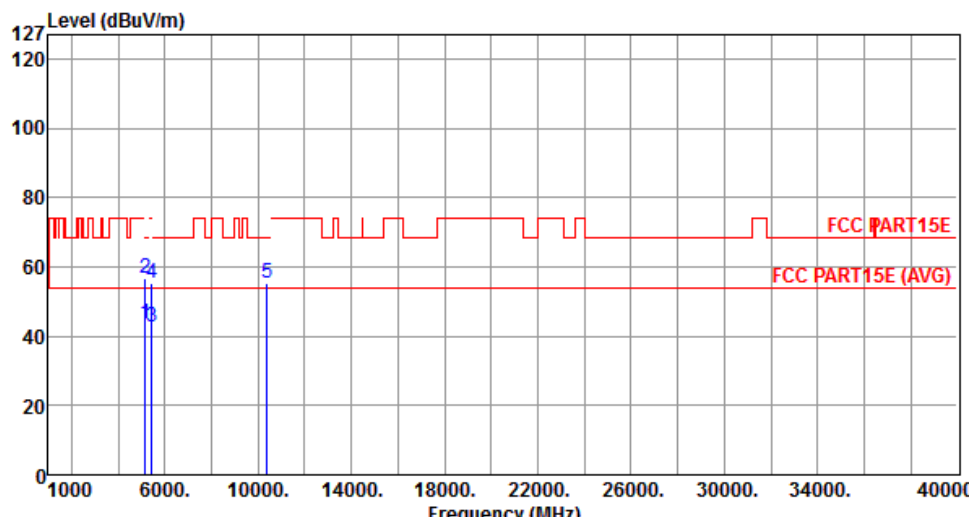
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	39.18	54.00	-14.82	34.24	4.94	Average	---	---
2	5150.00	56.15	74.00	-17.85	51.21	4.94	Peak	---	---
3	5427.00	37.53	54.00	-16.47	32.39	5.14	Average	---	---
4	5427.00	51.42	74.00	-22.58	46.28	5.14	Peak	---	---
5	10460.00	55.75	68.30	-12.55	40.93	14.82	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).

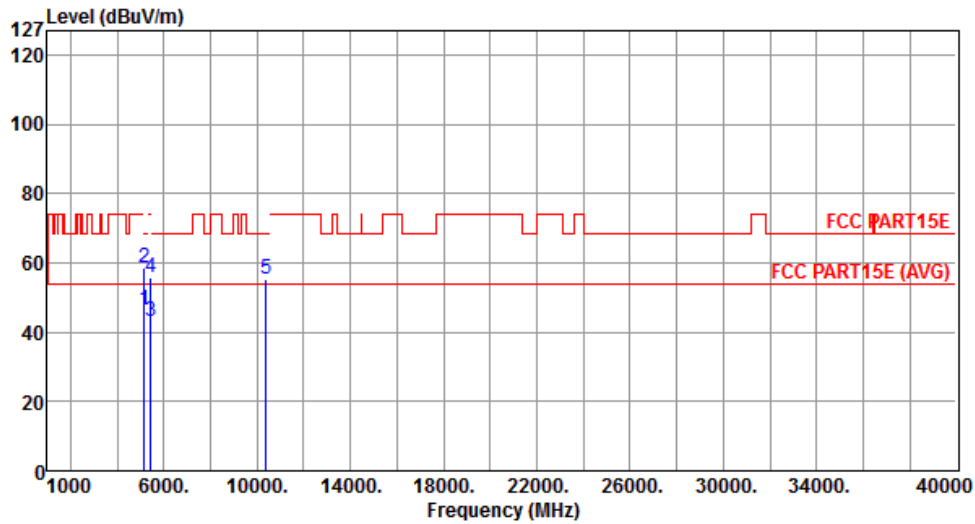
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.66	54.00	-10.34	38.72	4.94	Average	---	---
2	5150.00	56.90	74.00	-17.10	51.96	4.94	Peak	---	---
3	5427.00	42.78	54.00	-11.22	37.64	5.14	Average	---	---
4	5427.00	55.46	74.00	-18.54	50.32	5.14	Peak	---	---
5	10380.00	55.31	68.30	-12.99	40.58	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	3



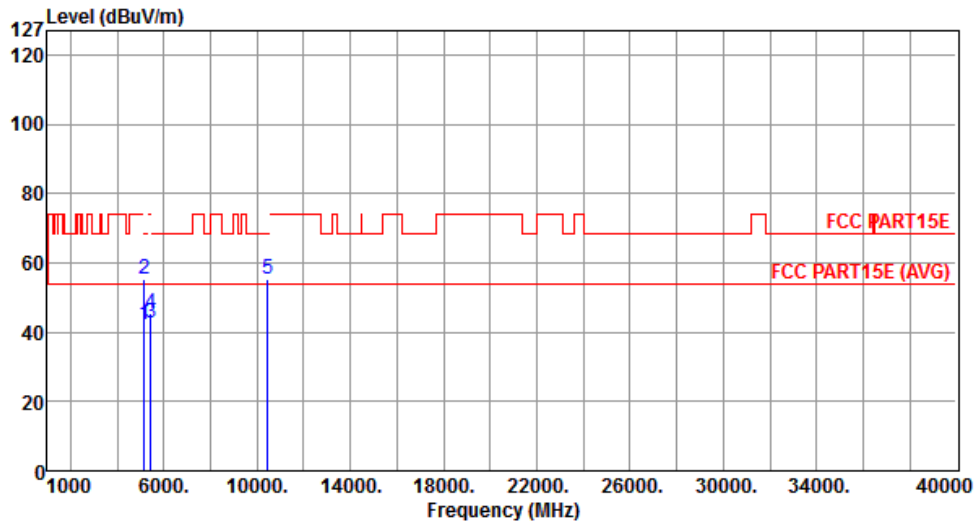
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.45	54.00	-7.55	41.51	4.94	Average	---	---
2	5150.00	58.68	74.00	-15.32	53.74	4.94	Peak	---	---
3	5427.00	42.92	54.00	-11.08	37.78	5.14	Average	---	---
4	5427.00	55.69	74.00	-18.31	50.55	5.14	Peak	---	---
5	10380.00	55.10	68.30	-13.20	40.37	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	3



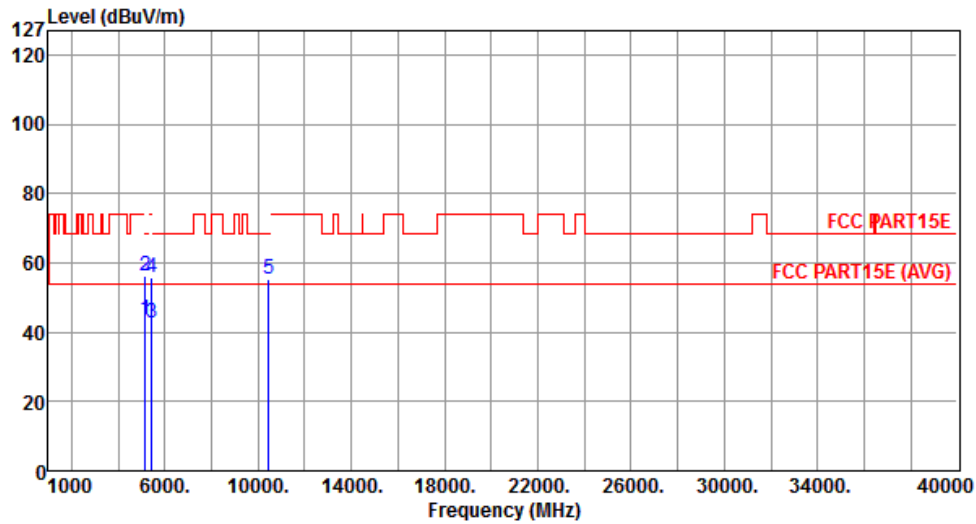
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.38	54.00	-11.62	37.44	4.94	Average	---	---
2	5150.00	55.52	74.00	-18.48	50.58	4.94	Peak	---	---
3	5427.00	42.73	54.00	-11.27	37.59	5.14	Average	---	---
4	5427.00	45.57	74.00	-28.43	40.43	5.14	Peak	---	---
5	10460.00	55.35	68.30	-12.95	40.53	14.82	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	3



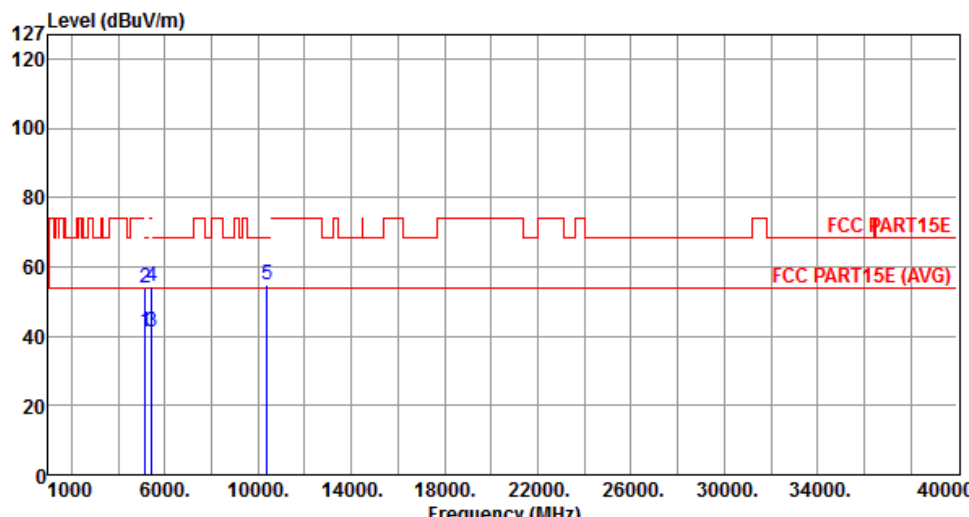
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.38	54.00	-10.62	38.44	4.94	Average	---	---
2	5150.00	56.17	74.00	-17.83	51.23	4.94	Peak	---	---
3	5427.00	42.80	54.00	-11.20	37.66	5.14	Average	---	---
4	5427.00	55.57	74.00	-18.43	50.43	5.14	Peak	---	---
5	10460.00	55.21	68.30	-13.09	40.39	14.82	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).

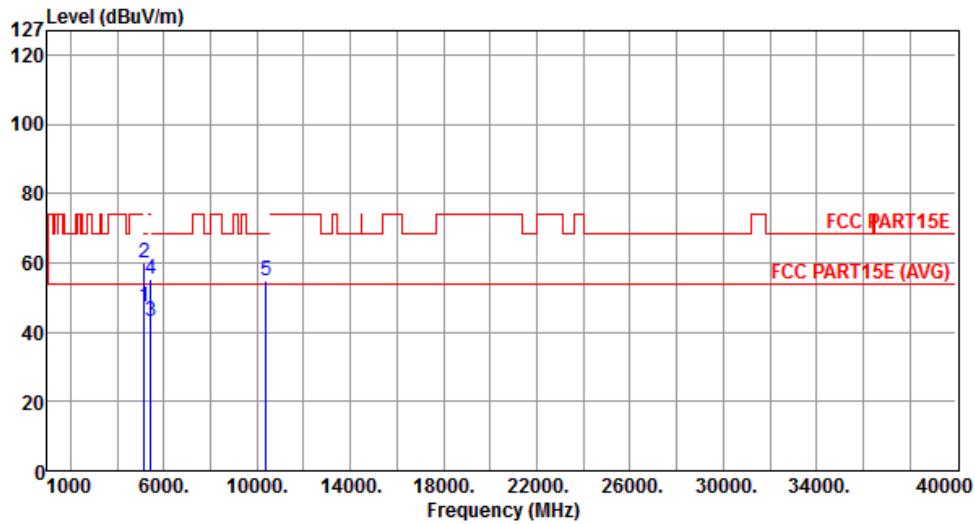
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.11	54.00	-12.89	36.17	4.94	Average	---	---
2	5150.00	53.76	74.00	-20.24	48.82	4.94	Peak	---	---
3	5427.00	41.31	54.00	-12.69	36.17	5.14	Average	---	---
4	5427.00	54.39	74.00	-19.61	49.25	5.14	Peak	---	---
5	10380.00	54.61	68.30	-13.69	39.88	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	4



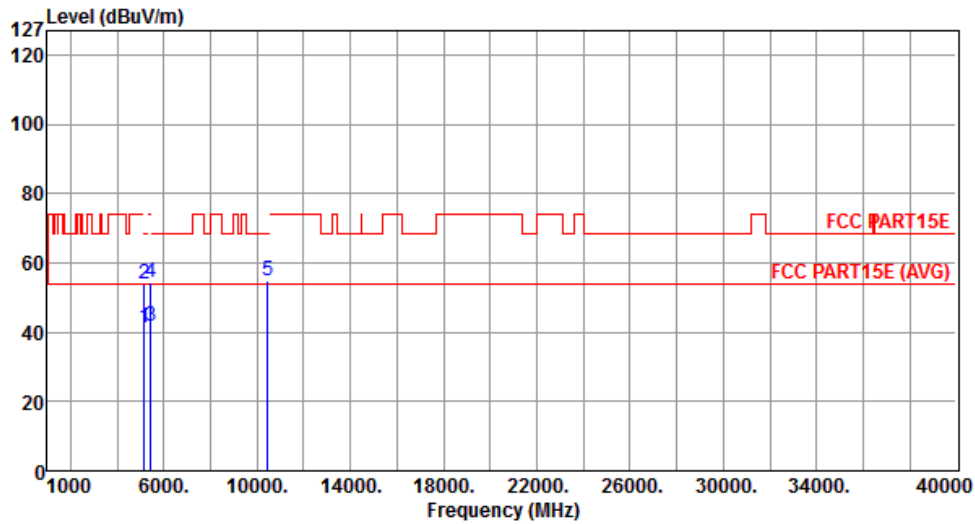
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.35	54.00	-6.65	42.41	4.94	Average	---	---
2	5150.00	59.86	74.00	-14.14	54.92	4.94	Peak	---	---
3	5427.00	43.13	54.00	-10.87	37.99	5.14	Average	---	---
4	5427.00	55.22	74.00	-18.78	50.08	5.14	Peak	---	---
5	10380.00	54.95	68.30	-13.35	40.22	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	4



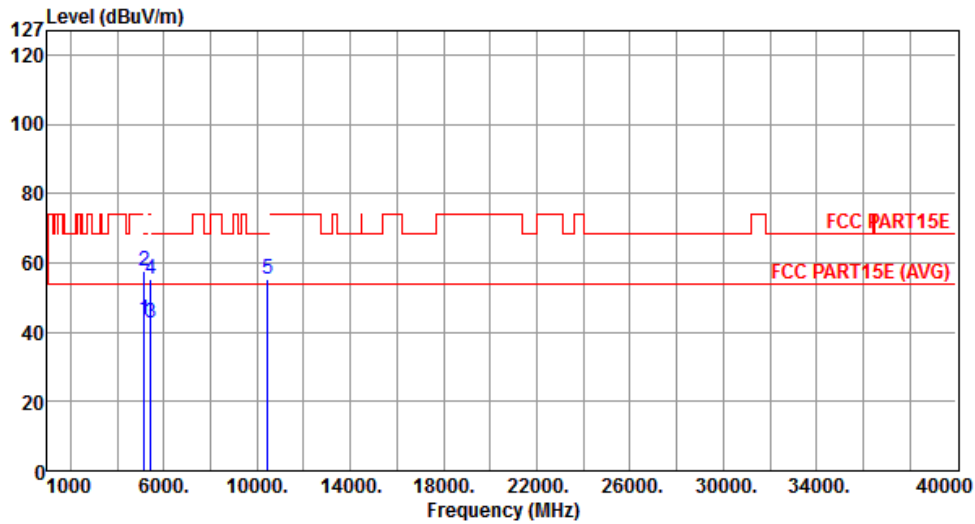
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.20	54.00	-12.80	36.26	4.94	Average	---	---
2	5150.00	53.91	74.00	-20.09	48.97	4.94	Peak	---	---
3	5427.00	41.55	54.00	-12.45	36.41	5.14	Average	---	---
4	5427.00	54.58	74.00	-19.42	49.44	5.14	Peak	---	---
5	10460.00	54.61	68.30	-13.69	39.79	14.82	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	4



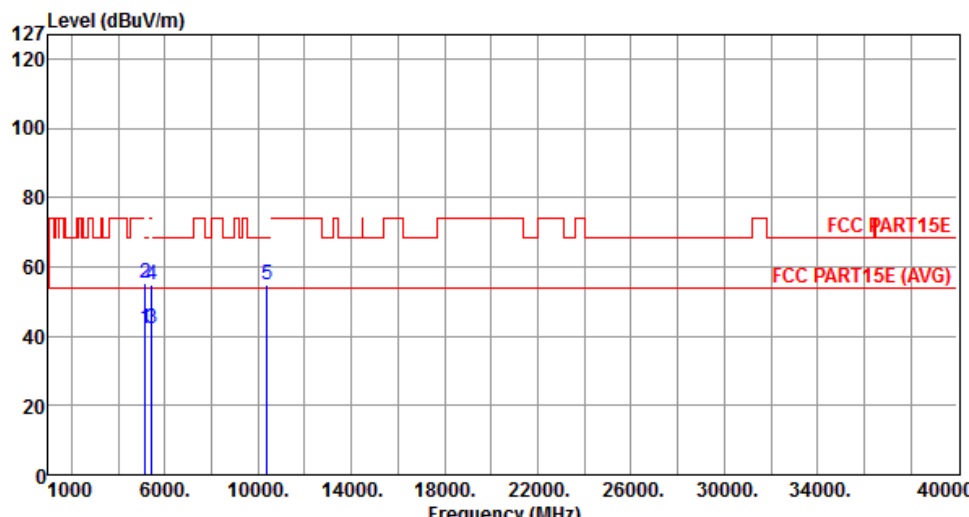
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.36	54.00	-10.64	38.42	4.94	Average	---	---
2	5150.00	57.42	74.00	-16.58	52.48	4.94	Peak	---	---
3	5427.00	42.79	54.00	-11.21	37.65	5.14	Average	---	---
4	5427.00	55.36	74.00	-18.64	50.22	5.14	Peak	---	---
5	10460.00	55.18	68.30	-13.12	40.36	14.82	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).

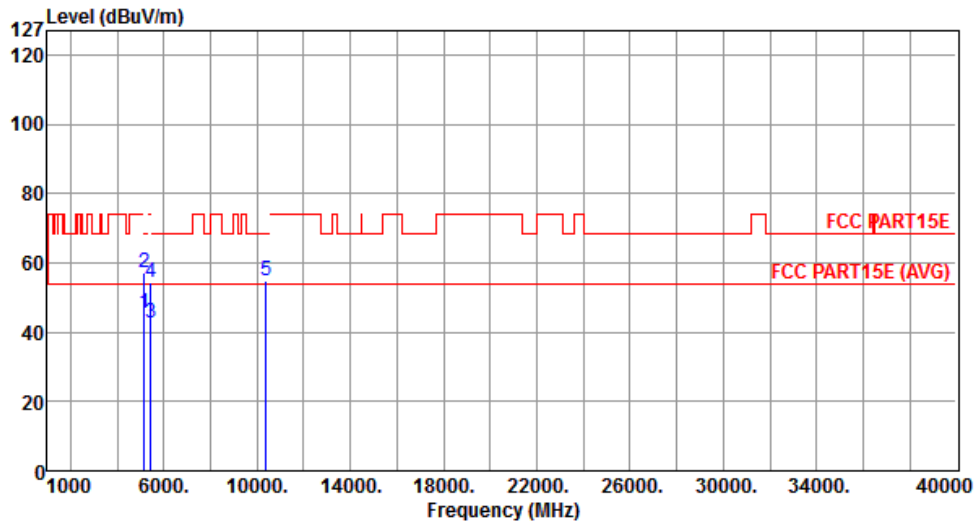
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	41.98	54.00	-12.02	37.04	4.94	Average	---	---
2	5150.00	55.23	74.00	-18.77	50.29	4.94	Peak	---	---
3	5427.00	42.16	54.00	-11.84	37.02	5.14	Average	---	---
4	5427.00	54.76	74.00	-19.24	49.62	5.14	Peak	---	---
5	10380.00	55.05	68.30	-13.25	40.32	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	5



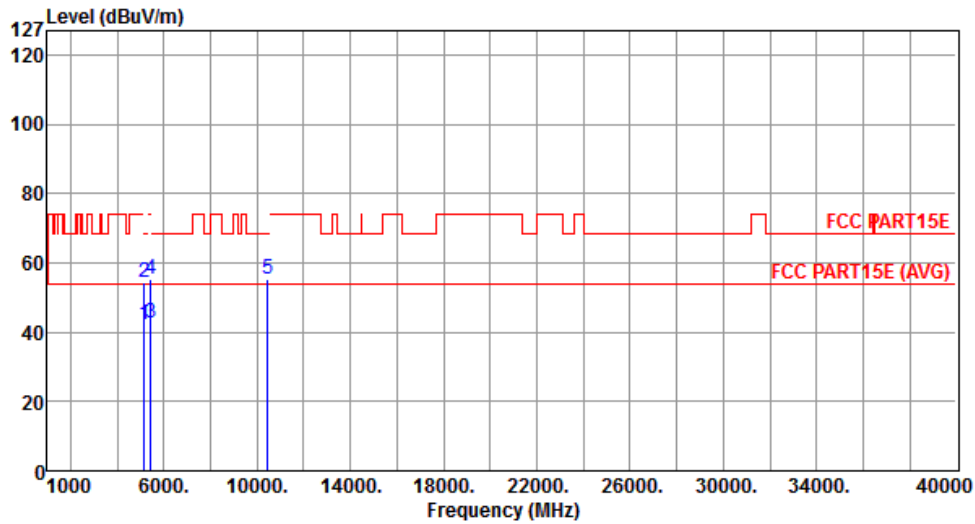
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.31	54.00	-8.69	40.37	4.94	Average	---	---
2	5150.00	57.29	74.00	-16.71	52.35	4.94	Peak	---	---
3	5427.00	42.53	54.00	-11.47	37.39	5.14	Average	---	---
4	5427.00	54.51	74.00	-19.49	49.37	5.14	Peak	---	---
5	10380.00	54.89	68.30	-13.41	40.16	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	5



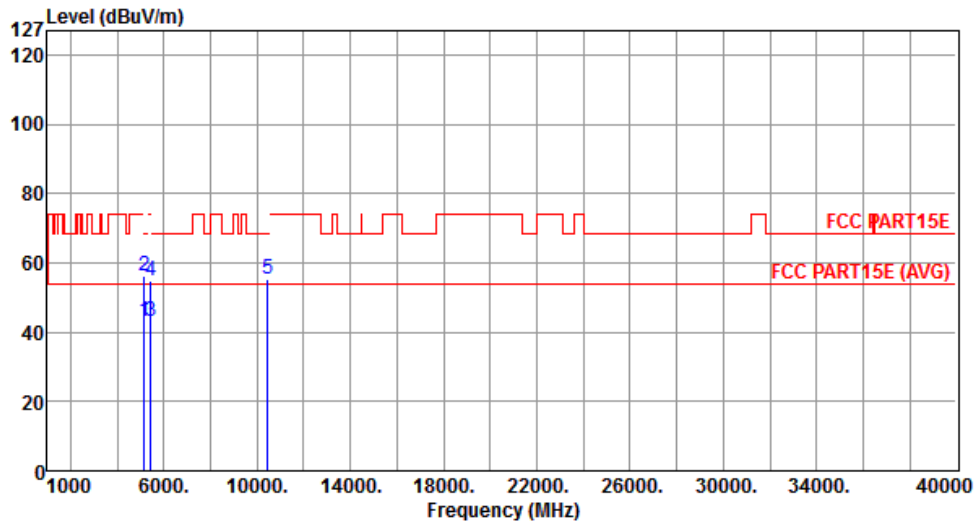
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.10	54.00	-11.90	37.16	4.94	Average	---	---
2	5150.00	54.32	74.00	-19.68	49.38	4.94	Peak	---	---
3	5427.00	42.45	54.00	-11.55	37.31	5.14	Average	---	---
4	5427.00	55.11	74.00	-18.89	49.97	5.14	Peak	---	---
5	10460.00	55.10	68.30	-13.20	40.28	14.82	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	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	5



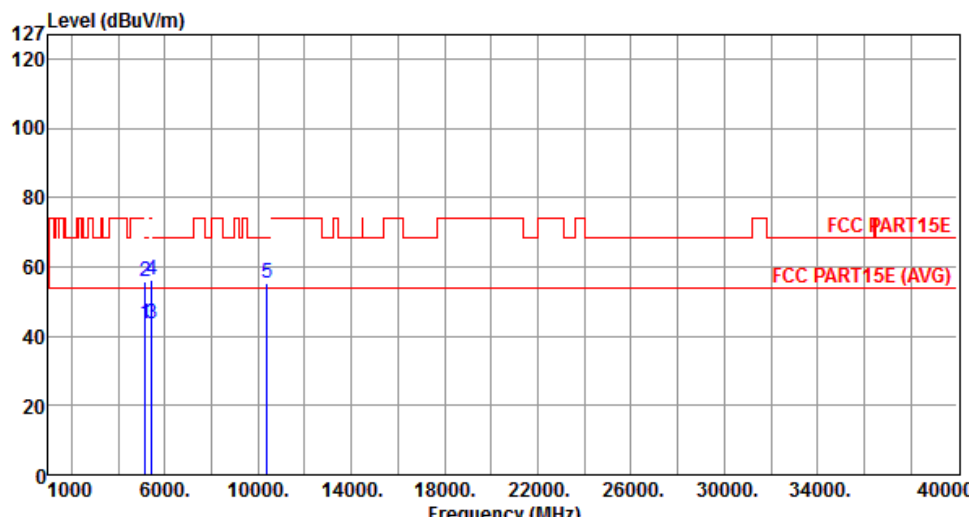
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	42.89	54.00	-11.11	37.95	4.94	Average	---	---
2	5150.00	56.17	74.00	-17.83	51.23	4.94	Peak	---	---
3	5427.00	42.99	54.00	-11.01	37.85	5.14	Average	---	---
4	5427.00	54.80	74.00	-19.20	49.66	5.14	Peak	---	---
5	10460.00	55.17	68.30	-13.13	40.35	14.82	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).

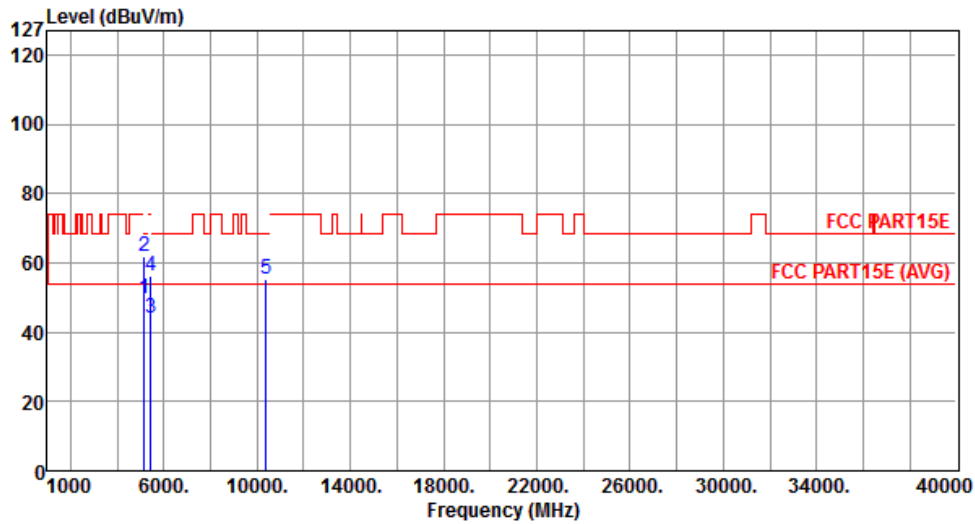
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.42	54.00	-10.58	38.48	4.94	Average	---	---
2	5150.00	55.89	74.00	-18.11	50.95	4.94	Peak	---	---
3	5427.00	43.44	54.00	-10.56	38.30	5.14	Average	---	---
4	5427.00	56.08	74.00	-17.92	50.94	5.14	Peak	---	---
5	10380.00	55.17	68.30	-13.13	40.44	14.73	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	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	6



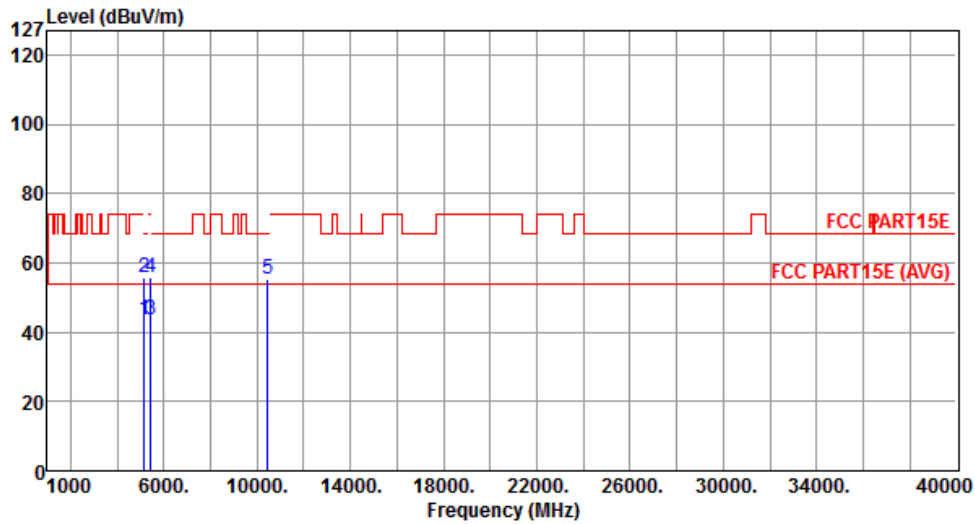
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.76	54.00	-4.24	44.82	4.94	Average	---	---
2	5150.00	61.91	74.00	-12.09	56.97	4.94	Peak	---	---
3	5427.00	43.96	54.00	-10.04	38.82	5.14	Average	---	---
4	5427.00	56.14	74.00	-17.86	51.00	5.14	Peak	---	---
5	10380.00	55.28	68.30	-13.02	40.55	14.73	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	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	6



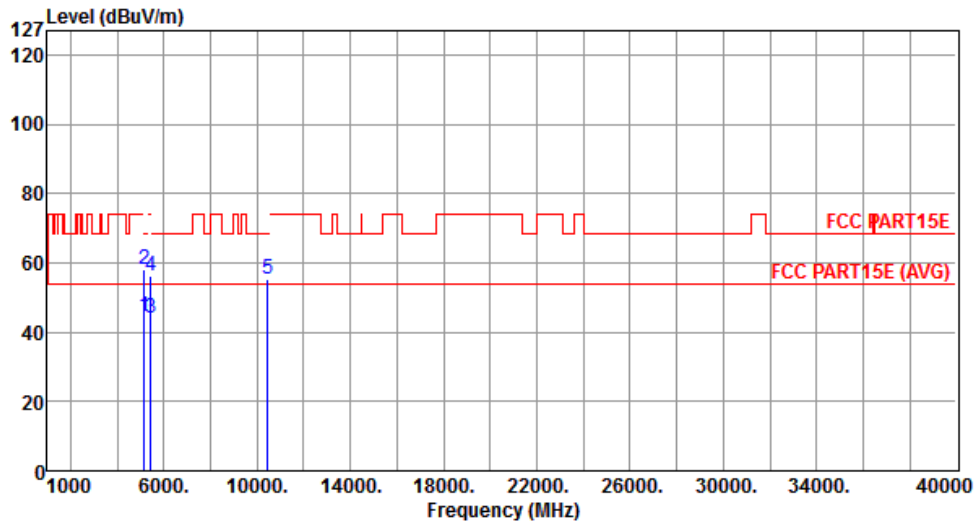
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.40	54.00	-10.60	38.46	4.94	Average	---	---
2	5150.00	55.62	74.00	-18.38	50.68	4.94	Peak	---	---
3	5427.00	43.63	54.00	-10.37	38.49	5.14	Average	---	---
4	5427.00	55.91	74.00	-18.09	50.77	5.14	Peak	---	---
5	10460.00	55.34	68.30	-12.96	40.52	14.82	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	VHT40	Test Freq. (MHz)	5230
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	5150.00	44.40	54.00	-9.60	39.46	4.94	Average	---	---
2	5150.00	57.89	74.00	-16.11	52.95	4.94	Peak	---	---
3	5427.00	44.09	54.00	-9.91	38.95	5.14	Average	---	---
4	5427.00	56.37	74.00	-17.63	51.23	5.14	Peak	---	---
5	10460.00	55.20	68.30	-13.10	40.38	14.82	Peak	---	---

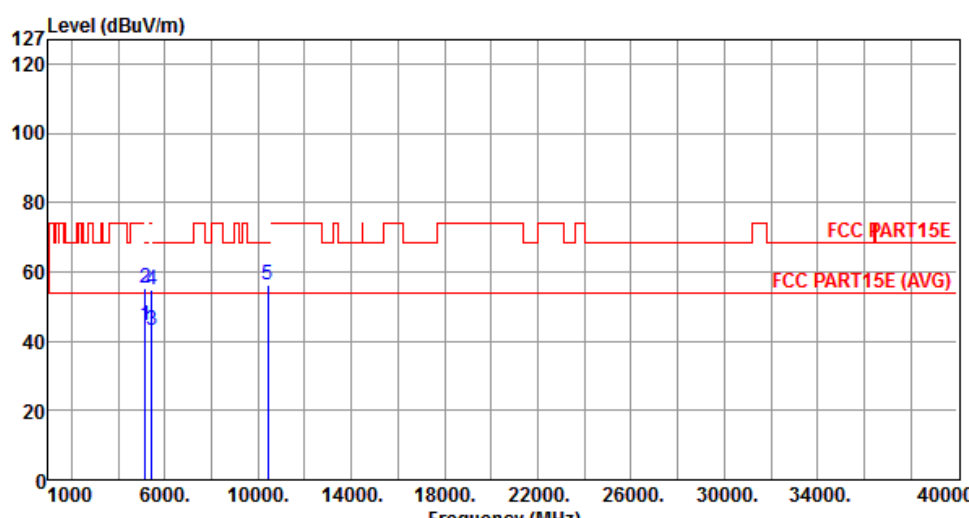
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

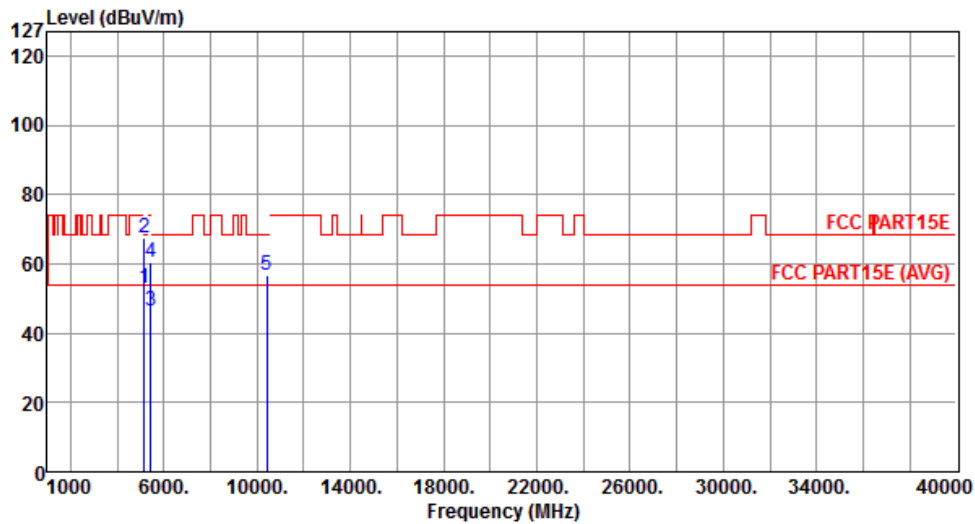
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.38	54.00	-9.62	39.44	4.94	Average	---	---
2	5150.00	55.18	74.00	-18.82	50.24	4.94	Peak	---	---
3	5427.00	43.12	54.00	-10.88	37.98	5.14	Average	---	---
4	5427.00	54.78	74.00	-19.22	49.64	5.14	Peak	---	---
5	10420.00	56.29	68.30	-12.01	41.52	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	1



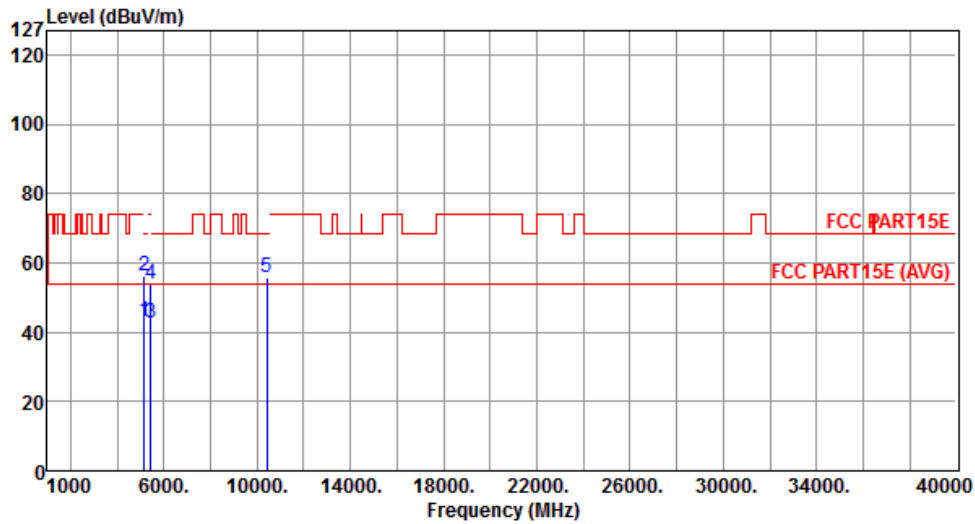
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.95	54.00	-1.05	48.01	4.94	Average	---	---
2	5150.00	67.42	74.00	-6.58	62.48	4.94	Peak	---	---
3	5427.00	46.38	54.00	-7.62	41.24	5.14	Average	---	---
4	5427.00	60.25	74.00	-13.75	55.11	5.14	Peak	---	---
5	10420.00	56.59	68.30	-11.71	41.82	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	2



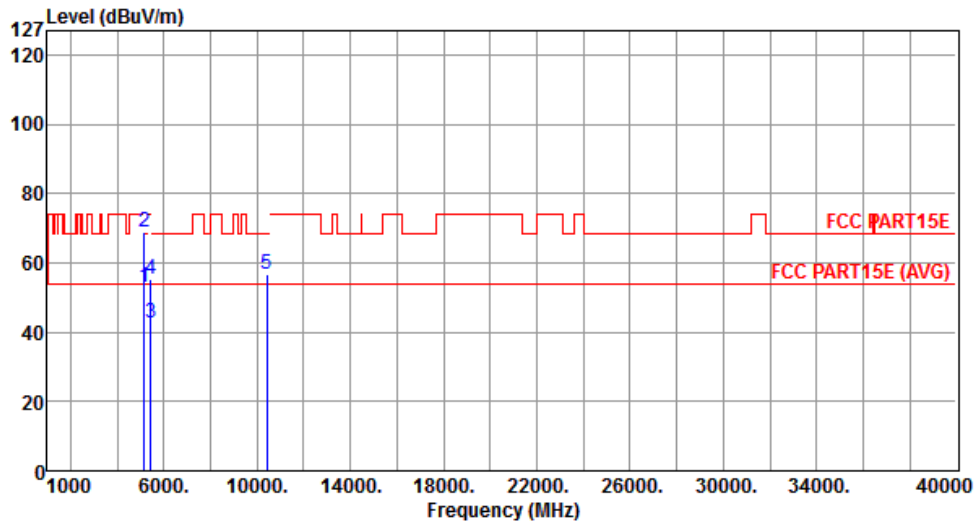
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.18	54.00	-10.82	38.24	4.94	Average	---	---
2	5150.00	56.10	74.00	-17.90	51.16	4.94	Peak	---	---
3	5427.00	42.58	54.00	-11.42	37.44	5.14	Average	---	---
4	5427.00	54.11	74.00	-19.89	48.97	5.14	Peak	---	---
5	10420.00	55.99	68.30	-12.31	41.22	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	2



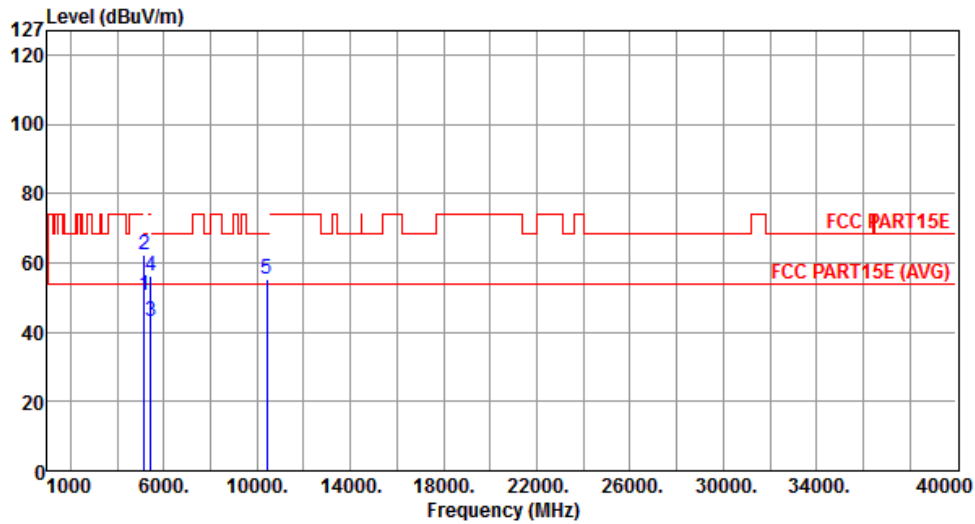
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.90	54.00	-1.10	47.96	4.94	Average	---	---
2	5150.00	69.09	74.00	-4.91	64.15	4.94	Peak	---	---
3	5427.00	42.80	54.00	-11.20	37.66	5.14	Average	---	---
4	5427.00	55.30	74.00	-18.70	50.16	5.14	Peak	---	---
5	10420.00	56.74	68.30	-11.56	41.97	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	3



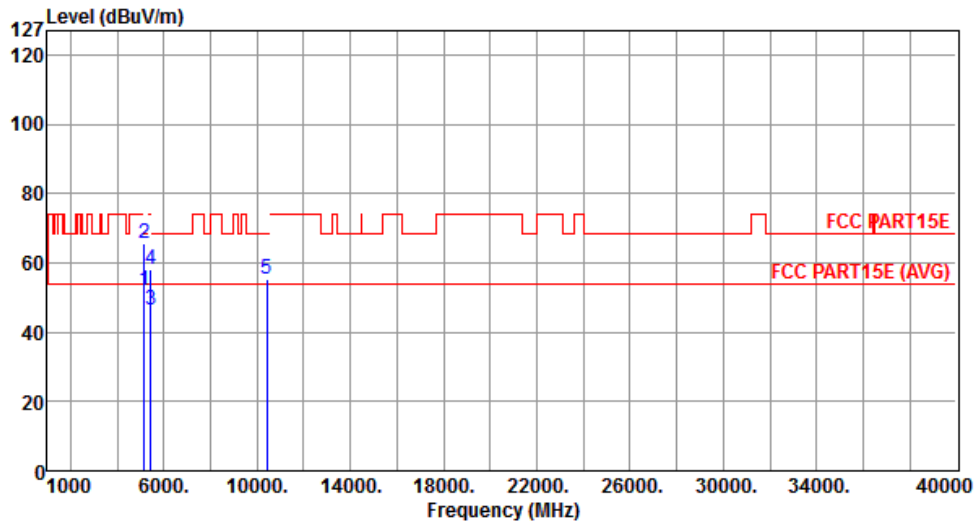
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.48	54.00	-3.52	45.54	4.94	Average	---	---
2	5150.00	62.13	74.00	-11.87	57.19	4.94	Peak	---	---
3	5427.00	42.95	54.00	-11.05	37.81	5.14	Average	---	---
4	5427.00	56.02	74.00	-17.98	50.88	5.14	Peak	---	---
5	10420.00	55.19	68.30	-13.11	40.42	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	3



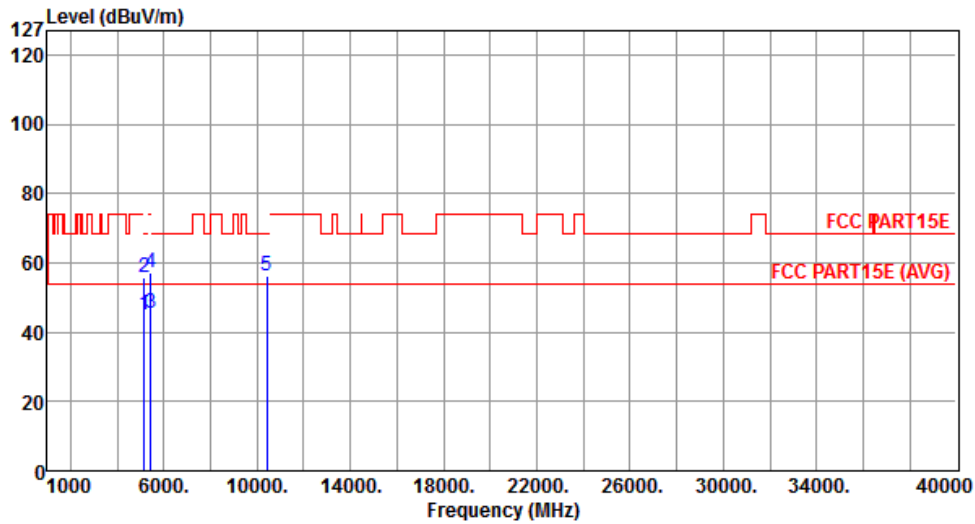
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.79	54.00	-2.21	46.85	4.94	Average	---	---
2	5150.00	65.66	74.00	-8.34	60.72	4.94	Peak	---	---
3	5427.00	46.41	54.00	-7.59	41.27	5.14	Average	---	---
4	5427.00	57.99	74.00	-16.01	52.85	5.14	Peak	---	---
5	10420.00	55.33	68.30	-12.97	40.56	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	4



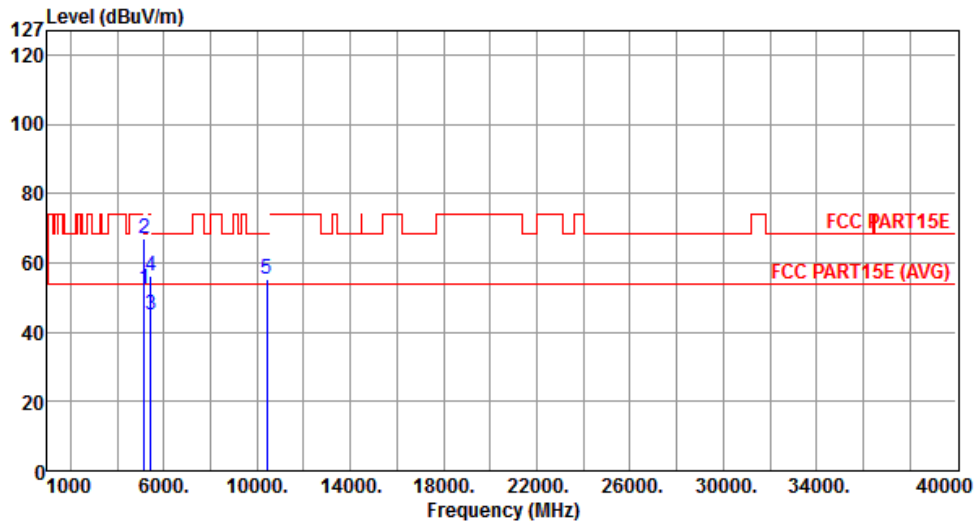
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.89	54.00	-9.11	39.95	4.94	Average	---	---
2	5150.00	56.00	74.00	-18.00	51.06	4.94	Peak	---	---
3	5427.00	45.35	54.00	-8.65	40.21	5.14	Average	---	---
4	5427.00	57.40	74.00	-16.60	52.26	5.14	Peak	---	---
5	10420.00	56.08	68.30	-12.22	41.31	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	4



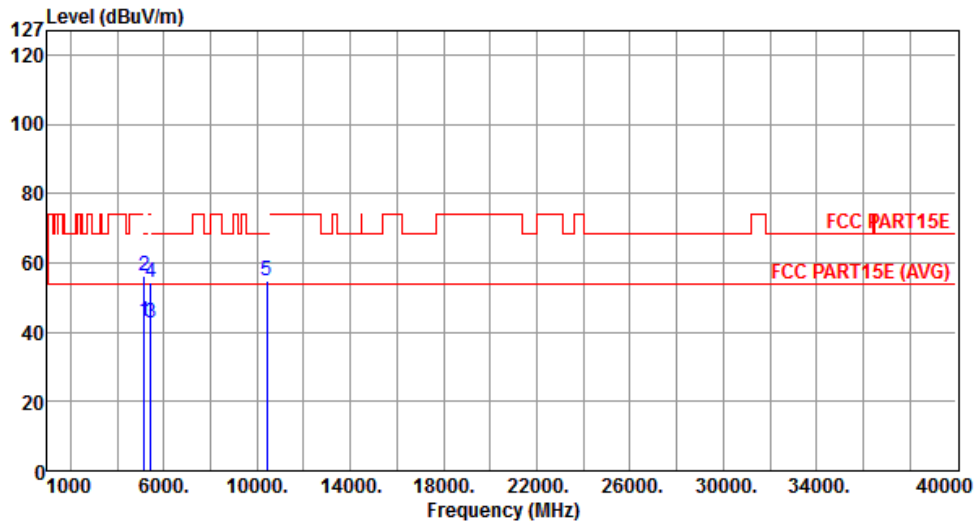
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.65	54.00	-1.35	47.71	4.94	Average	---	---
2	5150.00	66.81	74.00	-7.19	61.87	4.94	Peak	---	---
3	5427.00	45.21	54.00	-8.79	40.07	5.14	Average	---	---
4	5427.00	56.13	74.00	-17.87	50.99	5.14	Peak	---	---
5	10420.00	55.20	68.30	-13.10	40.43	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	5



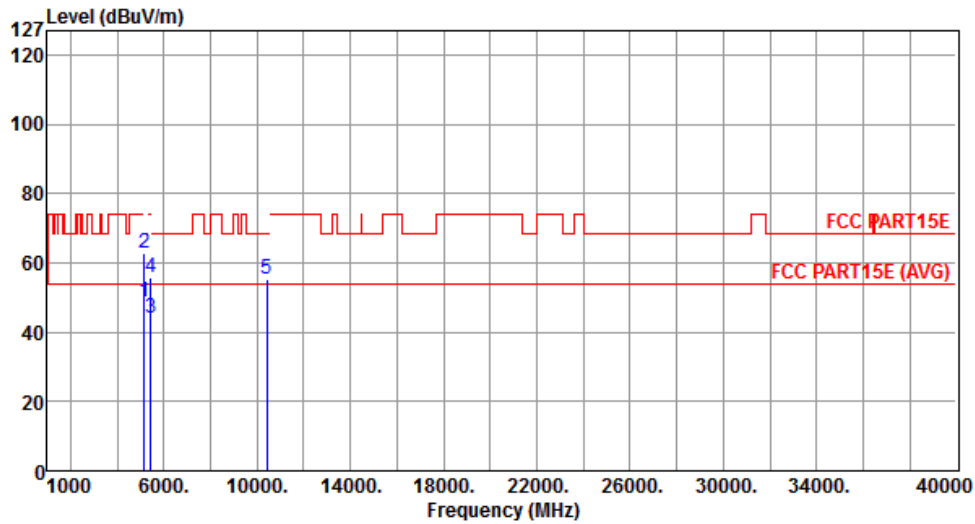
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	43.13	54.00	-10.87	38.19	4.94	Average	---	---
2	5150.00	56.22	74.00	-17.78	51.28	4.94	Peak	---	---
3	5427.00	42.55	54.00	-11.45	37.41	5.14	Average	---	---
4	5427.00	54.54	74.00	-19.46	49.40	5.14	Peak	---	---
5	10420.00	54.95	68.30	-13.35	40.18	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	5



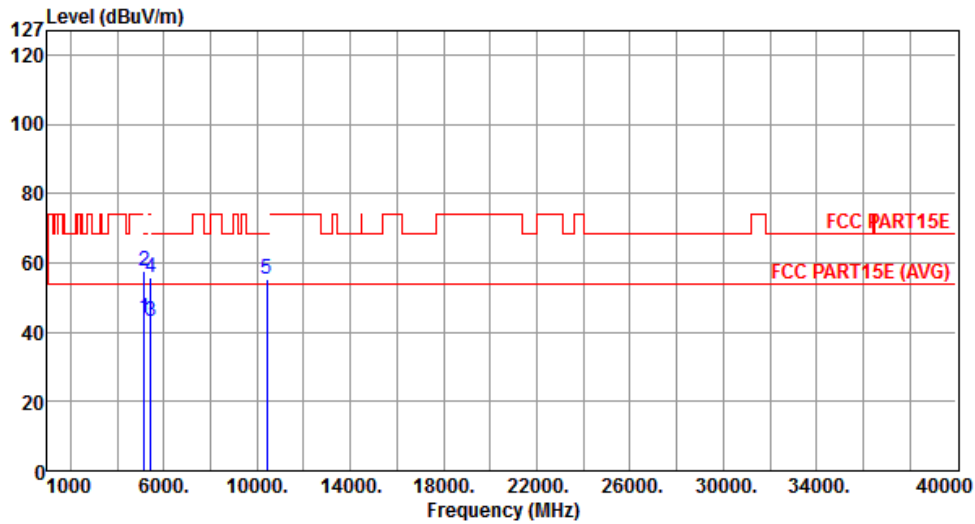
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.74	54.00	-5.26	43.80	4.94	Average	---	---
2	5150.00	62.80	74.00	-11.20	57.86	4.94	Peak	---	---
3	5427.00	43.96	54.00	-10.04	38.82	5.14	Average	---	---
4	5427.00	55.77	74.00	-18.23	50.63	5.14	Peak	---	---
5	10420.00	55.10	68.30	-13.20	40.33	14.77	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	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	6



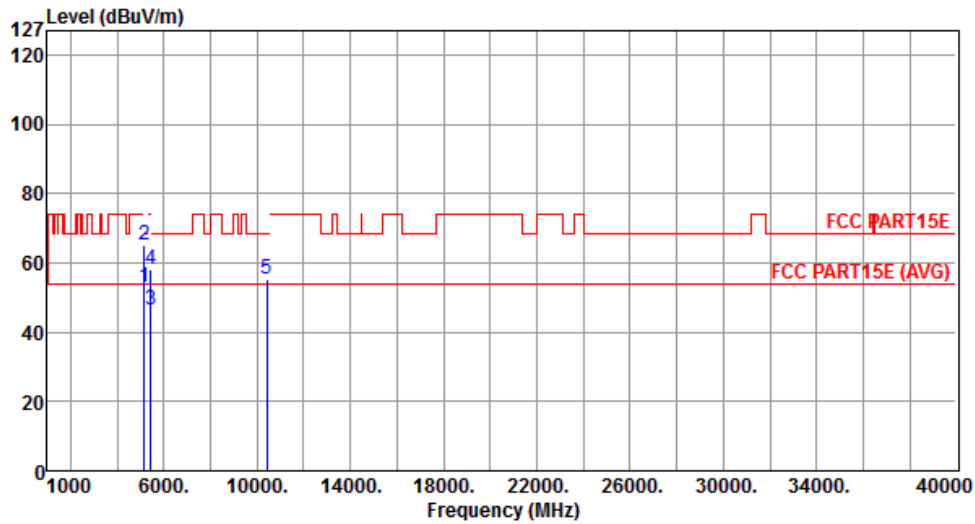
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.26	54.00	-9.74	39.32	4.94	Average	---	---
2	5150.00	57.68	74.00	-16.32	52.74	4.94	Peak	---	---
3	5427.00	42.91	54.00	-11.09	37.77	5.14	Average	---	---
4	5427.00	55.87	74.00	-18.13	50.73	5.14	Peak	---	---
5	10420.00	55.42	68.30	-12.88	40.65	14.77	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	VHT80	Test Freq. (MHz)	5210
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	5150.00	52.82	54.00	-1.18	47.88	4.94	Average	---	---
2	5150.00	65.26	74.00	-8.74	60.32	4.94	Peak	---	---
3	5427.00	46.45	54.00	-7.55	41.31	5.14	Average	---	---
4	5427.00	58.11	74.00	-15.89	52.97	5.14	Peak	---	---
5	10420.00	55.12	68.30	-13.18	40.35	14.77	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).

3.7 Frequency Stability

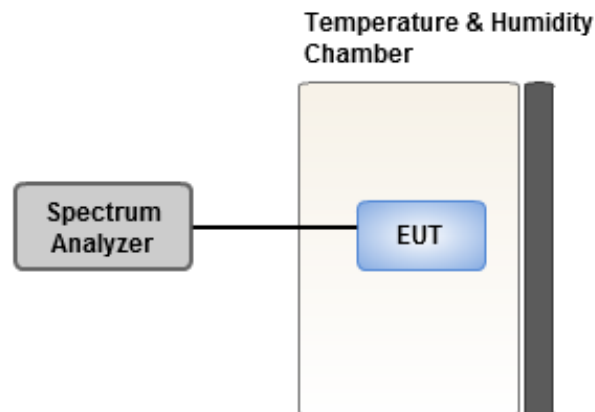
3.7.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.7.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

3.7.3 Test Setup



3.7.4 Test Result of Frequency Stability

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	1.92	1.55	2.56	1.97
T20°CVmin	2.32	2.24	2.66	2.52
T55°CVnom	1.01	0.91	1.55	0.88
T50°CVnom	2.15	2.46	2.17	2.62
T40°CVnom	1.09	1.40	1.52	1.29
T30°CVnom	1.61	2.07	2.51	1.83
T20°CVnom	0.96	0.99	0.83	0.74
T10°CVnom	1.67	2.29	1.22	2.31
T0°CVnom	2.06	1.79	2.65	2.76
T-10°CVnom	2.42	2.57	2.47	2.52
T-20°CVnom	1.91	1.97	1.45	1.92
T-30°CVnom	2.71	2.35	2.58	2.79
Vnom [Vdc]: 110		Vmax [Vdc]: 126.5		Vmin [Vdc]: 93.5
Tnom [°C]: 20		Tmax [°C]: 55		Tmin [°C]: -30

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-3-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==