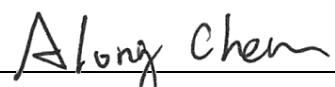


FCC Test Report

FCC ID : NKR-DHUAW8S
Equipment : WLAN/Bluetooth module - 802.11ac/a/b/g/n
2x2 & BT4.1
Model No. : DHUA-W8S
Brand Name : Wistron NeWeb Corp.
Applicant : Wistron NeWeb Corporation
Address : 20 Park Avenue II, Hsinchu Science Park,
Hsinchu 308,Taiwan,R.O.C.
Standard : 47 CFR FCC Part 15.407
Received Date : Dec. 18, 2017
Tested Date : Dec. 25, 2017 ~ Jan. 04, 2018

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.

Reviewed by:


Along Chen / Assistant Manager

Approved by:

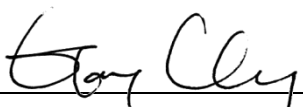

Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR7D1803AN	Rev. 01	Initial issue	Feb. 02, 2018

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.466MHz 23.61 (Margin -22.97dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5470.00MHz 67.79 (Margin -0.41dB) - PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: 5150~5250MHz: 17.07 5250~5350MHz: 17.28 5470~5725MHz: 17.14 5725~5850MHz: 17.21	Pass
15.407(a)	Peak Power Spectral Density	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					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	2	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-134 [5] 151-159 [2]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-134 [5] 151-159 [2]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530-5610 5775	42 [1] 58 [1] 106-122 [2] 155 [1]	2	MCS 0-9

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequency (MHz) / Gain (dBi)					Cable length (mm)
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850	
1	025.9019W.0001	PIFA	UFL	-1.9	2.2	2.5	3.2	3.4	320
2	025.9019V.0001	PIFA	UFL	-3.5	3.1	3.3	3.7	3.9	550
	025.9019U.0001	PIFA	UFL	-3.4	0.7	1.1	1.4	1.2	820

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc 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	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	151	5755
108	5540	159	5795
112	5560	VHT80	
116	5580	42	5210
120	5600	58	5290
124	5620	106	5530
128	5640	122	5610
132	5660	155	5775
136	5680	---	---
140	5700	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	QCARCT, Version: 3.0.187.0		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	98.55%	0.06
	VHT20	98.44%	0.07
	VHT40	94.84%	0.23
	VHT80	90.13%	0.45

1.1.7 Power Setting

For Frequency band 5150-5250 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5180	16.5
11a	5200	16
11a	5240	16
HT20	5180	16.5
HT20	5200	16.5
HT20	5240	16.5
HT40	5190	11.5
HT40	5230	16.50
VHT20	5180	16.5
VHT20	5200	16.5
VHT20	5240	16.5
VHT40	5190	11.5
VHT40	5230	16.50
VHT80	5210	10

For Frequency band 5250~5350 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5260	16.50
11a	5300	16.00
11a	5320	16.50
HT20	5260	16.50
HT20	5300	16.50
HT20	5320	16.50
HT40	5270	16.50
HT40	5310	13.50
VHT20	5260	16.50
VHT20	5300	16.50
VHT20	5320	16.50
VHT40	5270	16.50
VHT40	5310	13.50
VHT80	5290	13.5

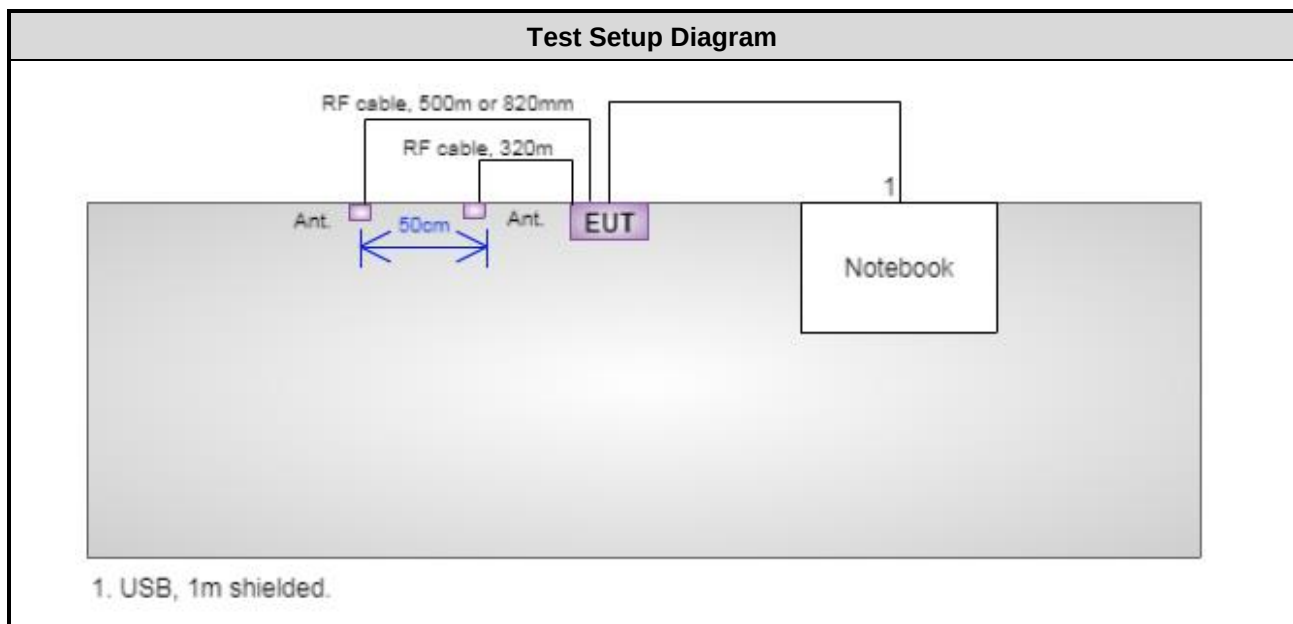
For Frequency band 5470~5725 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5500	16
11a	5580	16.00
11a	5700	15.5
HT20	5500	16.5
HT20	5580	16.50
HT20	5700	15.5
HT40	5510	13.00
HT40	5590	17.00
HT40	5670	16.00
VHT20	5500	16.5
VHT20	5580	16.50
VHT20	5700	15.5
VHT40	5510	13.00
VHT40	5590	17.00
VHT40	5670	16.00
VHT80	5530	10.50
VHT80	5610	14.00

For Frequency band 5725~5850 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5745	16.00
11a	5785	14
11a	5825	14
HT20	5745	16.50
HT20	5785	14.00
HT20	5825	14.50
HT40	5755	14.00
HT40	5795	14.50
VHT20	5745	16.50
VHT20	5785	14.00
VHT20	5825	14.50
VHT40	5755	14.00
VHT40	5795	14.50
VHT80	5775	11.00

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Signal cable / Length (m)
1	Notebook	acer	TravelMat 5760	---	USB, 1m shielded.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Dec. 27, 2017				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Nov. 20, 2017	Nov. 19, 2018
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 13, 2017	Nov. 12, 2018
RF Cable-CON	EMC	EMCCFD300-BM-B M-6000	50821	Dec. 18, 2017	Dec. 17, 2018
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber 3 / (03CH03-WS)				
Tested Date	Dec. 25 ~ Dec. 29, 2017				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2017	Dec. 03, 2018
Receiver	R&S	ESR3	101658	Nov. 20, 2017	Nov. 19, 2018
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 28, 2017	Apr. 27, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 09, 2017	Feb. 08, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 23, 2017	Nov. 22, 2018
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2017	Nov. 12, 2018
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Dec. 07, 2017	Dec. 06, 2018
Preamplifier	EMC	EMC02325	980187	Sep. 04, 2017	Sep. 03, 2018
Preamplifier	Agilent	83017A	MY53270014	Aug. 21, 2017	Aug. 20, 2018
Preamplifier	EMC	EMC184045B	980192	Aug. 22, 2017	Aug. 21, 2018
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Nov. 27, 2017	Nov. 26, 2018
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY32487/4	Nov. 27, 2017	Nov. 26, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Nov. 27, 2017	Nov. 26, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Nov. 27, 2017	Nov. 26, 2018
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Nov. 27, 2017	Nov. 26, 2018
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Nov. 27, 2017	Nov. 26, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jan. 04, 2018				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Mar. 15, 2017	Mar. 14, 2018
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 27, 2017	Nov. 26, 2018
Power Meter	Anritsu	ML2495A	1241002	Oct. 16, 2017	Oct. 15, 2018
Power Sensor	Anritsu	MA2411B	1207366	Oct. 16, 2017	Oct. 15, 2018
DC POWER SOURCE	GW INSTEK	GPC-6030D	EM892433	Oct. 26, 2017	Oct. 25, 2018
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

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

47 CFR FCC Part 15.407

ANSI C63.10-2013

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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	±34.134 Hz
Conducted power	±0.808 dB
Frequency error	±34.134 Hz
Power density	±0.463 dB
Conducted emission	±2.670 dB
AC conducted emission	±2.90 dB
Radiated emission ≤ 1GHz	±3.66 dB
Radiated emission > 1GHz	±5.37 dB
Time	±0.1%
Temperature	±0.6 °C

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	25°C / 59%	Alex Huang
Radiated Emissions	03CH03-WS	21-23°C / 65%	Vincent Yeh Roger Lu
RF Conducted	TH01-WS	23°C / 63%	Brad Wu

➤ FCC site registration No.: 207696

➤ IC site registration No.: 10807C-1

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Emissions	11a	5260	6 Mbps	1
Radiated Emissions ≤1GHz	11a	5260	6 Mbps	1, 2
RF Output Power	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
NOTE: 1. The antenna has two combinations of different cable lengths: 1) Configuration 1: ANT1 with 320mm cable + ANT2 with 500mm cable 2) Configuration 2: ANT1 with 320mm cable + ANT2 with 820mm cable				

Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Emissions	VHT20	5745	MCS 0	1
Radiated Emissions ≤ 1 GHz	VHT20	5745	MCS 0	1, 2
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	1
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Radiated Emissions > 1 GHz Emission Bandwidth 6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	1
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	---
NOTE: 1. The antenna has two combinations of different cable lengths: 1) Configuration 1: ANT1 with 320mm cable + ANT2 with 500mm cable 2) Configuration 2: ANT1 with 320mm cable + ANT2 with 820mm cable				

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

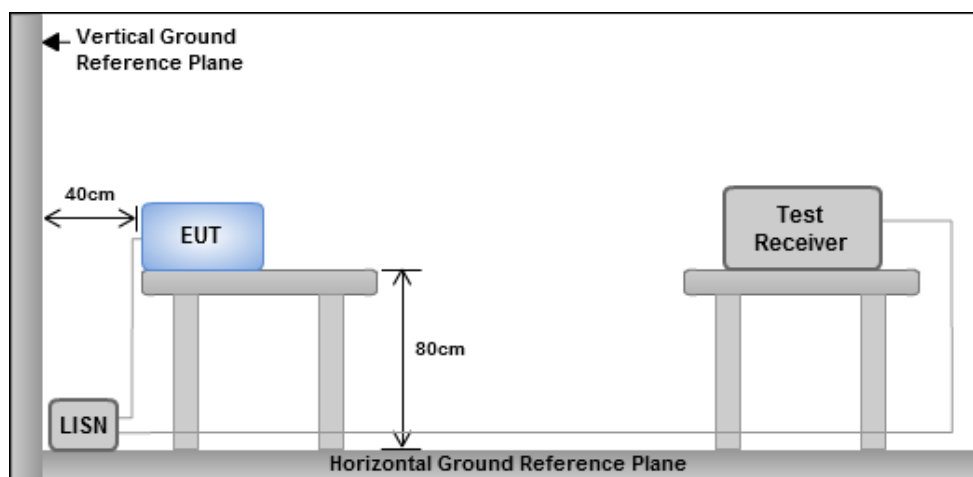
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

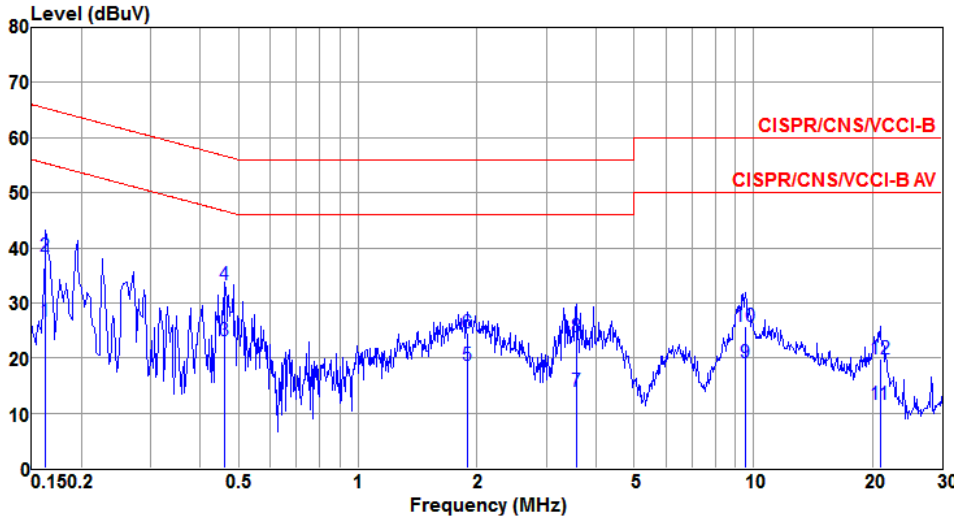
3.1.3 Test Setup



- 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	11a	Test Freq. (MHz)	5260
Power Phase	Line		

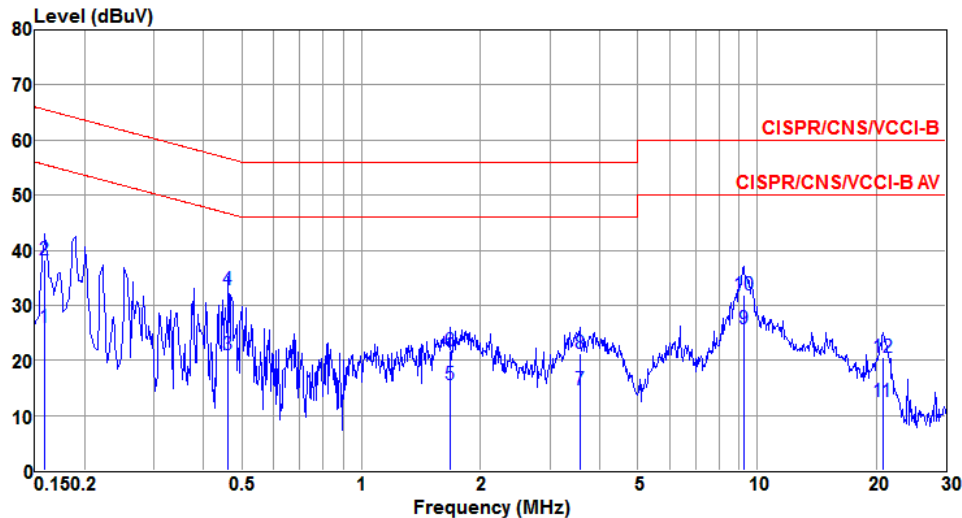


	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.162	26.65	55.34	-28.69	26.54	0.07	0.04	Average
2	0.162	38.58	65.34	-26.76	38.47	0.07	0.04	QP
3	0.461	23.14	46.67	-23.53	23.02	0.08	0.04	Average
4@	0.461	33.28	56.67	-23.39	33.16	0.08	0.04	QP
5	1.888	18.57	46.00	-27.43	18.42	0.11	0.04	Average
6	1.888	24.47	56.00	-31.53	24.32	0.11	0.04	QP
7	3.565	14.01	46.00	-31.99	13.74	0.13	0.14	Average
8	3.565	23.77	56.00	-32.23	23.50	0.13	0.14	QP
9	9.552	19.13	50.00	-30.87	18.71	0.20	0.22	Average
10	9.552	25.77	60.00	-34.23	25.35	0.20	0.22	QP
11	20.924	11.60	50.00	-38.40	11.06	0.27	0.27	Average
12	20.924	19.75	60.00	-40.25	19.21	0.27	0.27	QP

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

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

Modulation	11a	Test Freq. (MHz)	5260
Power Phase	Neutral		

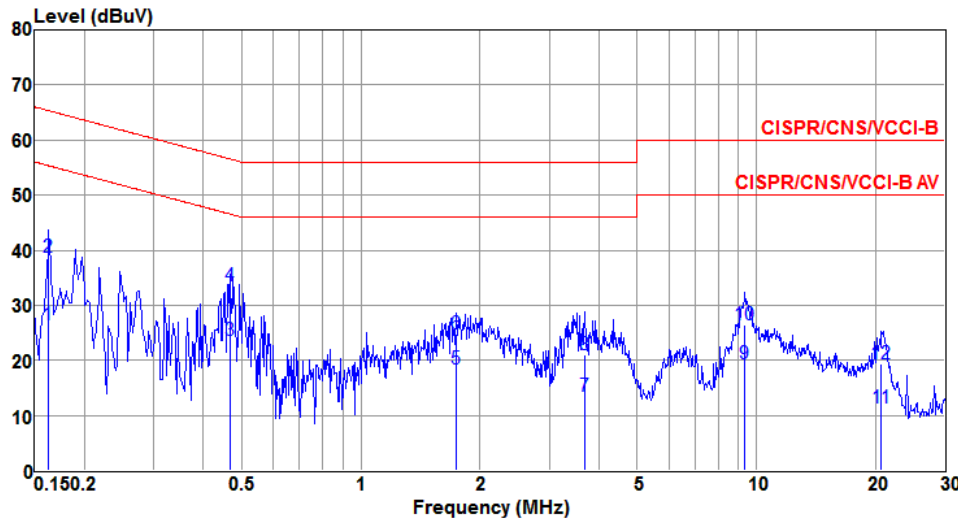


	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.159	25.86	55.52	-29.66	25.78	0.04	0.04	Average
2	0.159	38.17	65.52	-27.35	38.09	0.04	0.04	QP
3	0.461	20.90	46.67	-25.77	20.82	0.04	0.04	Average
4	0.461	32.72	56.67	-23.95	32.64	0.04	0.04	QP
5	1.671	15.60	46.00	-30.40	15.50	0.06	0.04	Average
6	1.671	21.78	56.00	-34.22	21.68	0.06	0.04	QP
7	3.565	14.61	46.00	-31.39	14.38	0.09	0.14	Average
8	3.565	21.21	56.00	-34.79	20.98	0.09	0.14	QP
9	9.253	25.76	50.00	-24.24	25.39	0.16	0.21	Average
10	9.253	31.78	60.00	-28.22	31.41	0.16	0.21	QP
11	20.814	12.41	50.00	-37.59	11.87	0.27	0.27	Average
12	20.814	20.64	60.00	-39.36	20.10	0.27	0.27	QP

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
Power Phase	Line		



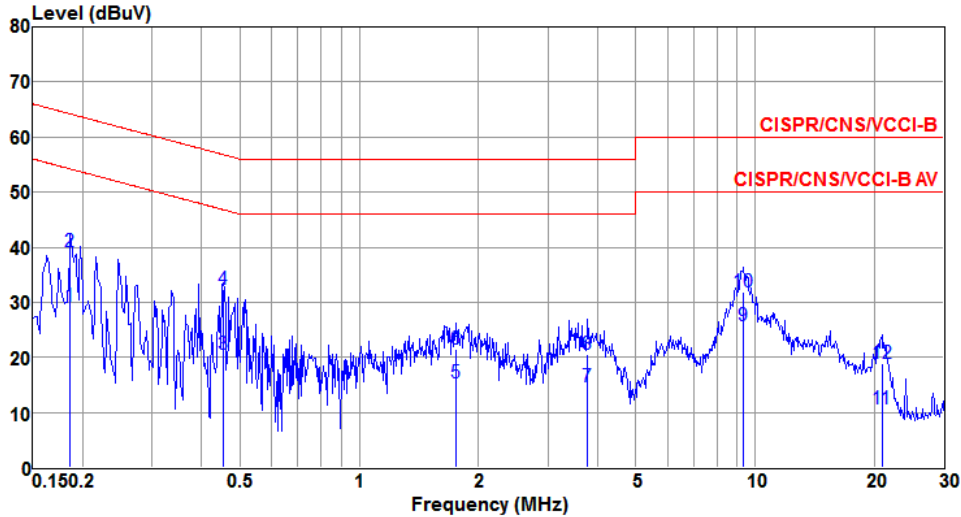
The graph displays the measured level in dBUV across a frequency range from 0.150 to 30 MHz. Two red lines represent the CISPR/CNS/VCCI-B and CISPR/CNS/VCCI-B AV limits. The measured level is generally below these limits, with some peaks around 0.162 MHz and 0.466 MHz. The level decreases as frequency increases, with some fluctuations between 1 and 10 MHz.

	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.162	26.52	55.34	-28.82	26.41	0.07	0.04	Average
2	0.162	38.76	65.34	-26.58	38.65	0.07	0.04	QP
3@	0.466	23.61	46.58	-22.97	23.49	0.08	0.04	Average
4	0.466	33.61	56.58	-22.97	33.49	0.08	0.04	QP
5	1.744	18.49	46.00	-27.51	18.34	0.11	0.04	Average
6	1.744	24.68	56.00	-31.32	24.53	0.11	0.04	QP
7	3.681	13.53	46.00	-32.47	13.26	0.13	0.14	Average
8	3.681	20.92	56.00	-35.08	20.65	0.13	0.14	QP
9	9.352	19.40	50.00	-30.60	18.99	0.19	0.22	Average
10	9.352	26.55	60.00	-33.45	26.14	0.19	0.22	QP
11	20.704	11.42	50.00	-38.58	10.89	0.27	0.26	Average
12	20.704	19.37	60.00	-40.63	18.84	0.27	0.26	QP

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
Power Phase	Neutral		



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	LISN factor dB	cable loss dB	Remark
1	0.186	29.31	54.20	-24.89	29.23	0.04	0.04	Average
2	0.186	39.11	64.20	-25.09	39.03	0.04	0.04	QP
3	0.454	20.51	46.80	-26.29	20.43	0.04	0.04	Average
4	0.454	32.34	56.80	-24.46	32.26	0.04	0.04	QP
5	1.753	15.31	46.00	-30.69	15.20	0.07	0.04	Average
6	1.753	21.41	56.00	-34.59	21.30	0.07	0.04	QP
7	3.779	14.53	46.00	-31.47	14.29	0.09	0.15	Average
8	3.779	20.50	56.00	-35.50	20.26	0.09	0.15	QP
9@	9.352	25.74	50.00	-24.26	25.36	0.16	0.22	Average
10	9.352	31.96	60.00	-28.04	31.58	0.16	0.22	QP
11	20.924	10.54	50.00	-39.46	10.00	0.27	0.27	Average
12	20.924	18.83	60.00	-41.17	18.29	0.27	0.27	QP

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

3.2 Emission Bandwidth

3.2.1 Limit of Emission Bandwidth

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.2.2 Test Procedures

26dB Bandwidth

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.

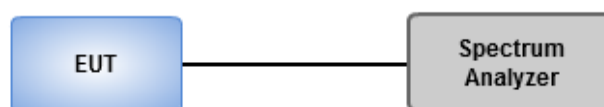
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW
2. Set VBW $\geq$ 3 RBW
3. Sample detection and single sweep mode shall be used
4. Use the 99 % power bandwidth function of the instrument

6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz
2. Detector = Peak, Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

3.2.3 Test Setup



3.2.4 Test Result of Emission Bandwidth

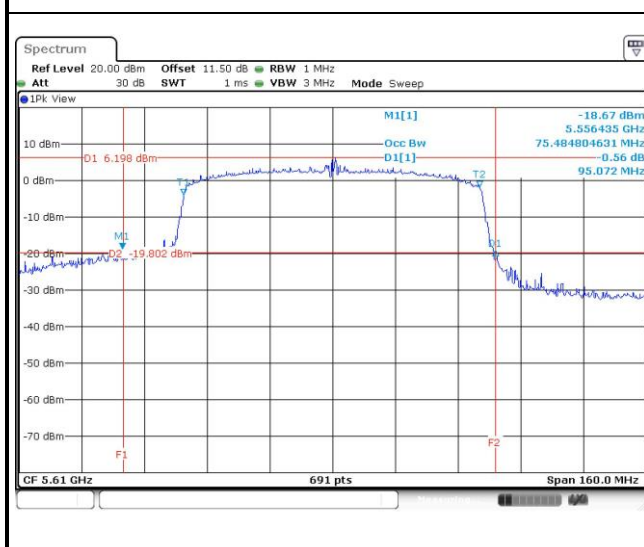
For Frequency band 5150~5250 MHz										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
11a	2	5180	38.91	26.45	---	---	18.26	16.50	---	---
11a	2	5200	29.68	26.55	---	---	16.45	16.43	---	---
11a	2	5240	31.67	21.88	---	---	16.50	16.39	---	---
VHT20	2	5180	39.35	26.52	---	---	17.57	17.55	---	---
VHT20	2	5200	30.87	30.72	---	---	18.75	17.50	---	---
VHT20	2	5240	30.87	25.72	---	---	17.54	17.67	---	---
VHT40	2	5190	54.49	50.20	---	---	36.06	36.06	---	---
VHT40	2	5230	68.99	63.19	---	---	36.28	36.58	---	---
VHT80	2	5210	81.86	85.10	---	---	75.31	75.36	---	---

For Frequency band 5250~5350 MHz											
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
11a	2	5260	28.26	30.72	---	---	16.55	16.69	---	---	24.00
11a	2	5300	22.25	33.48	---	---	16.38	16.37	---	---	24.00
11a	2	5320	23.70	31.81	---	---	16.39	17.19	---	---	24.00
VHT20	2	5260	23.65	27.77	---	---	17.60	17.51	---	---	24.00
VHT20	2	5300	22.09	25.22	---	---	17.49	18.00	---	---	24.00
VHT20	2	5320	23.01	22.61	---	---	17.50	17.48	---	---	24.00
VHT40	2	5270	58.67	56.93	---	---	36.20	36.24	---	---	24.00
VHT40	2	5310	42.67	56.70	---	---	36.06	36.24	---	---	24.00
VHT80	2	5290	81.62	83.01	---	---	75.31	75.68	---	---	24.00

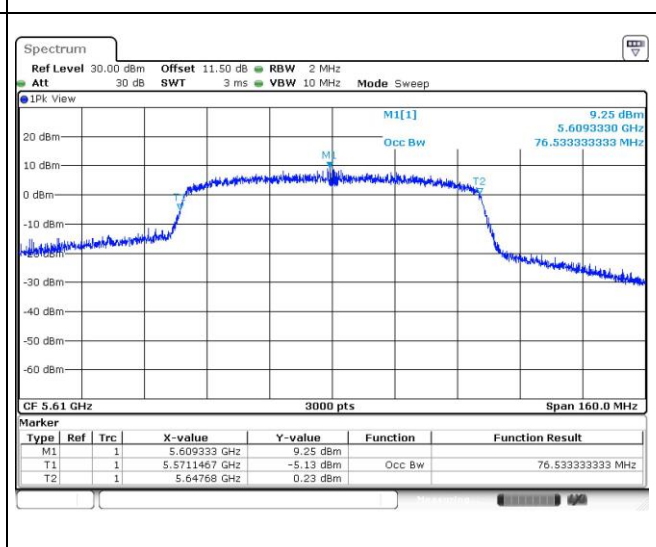
For Frequency band 5470~5725 MHz

Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
11a	2	5500	22.49	22.61	---	---	17.22	16.36	---	---	24.00
11a	2	5580	28.70	35.07	---	---	16.47	17.13	---	---	24.00
11a	2	5700	25.80	27.07	---	---	16.45	16.36	---	---	24.00
VHT20	2	5500	24.93	21.91	---	---	17.51	17.54	---	---	24.00
VHT20	2	5580	29.28	32.46	---	---	17.53	17.61	---	---	24.00
VHT20	2	5700	24.12	26.67	---	---	17.50	17.51	---	---	24.00
VHT40	2	5510	56.35	41.74	---	---	36.12	36.02	---	---	24.00
VHT40	2	5590	73.62	81.30	---	---	36.68	36.70	---	---	24.00
VHT40	2	5670	63.04	62.17	---	---	36.20	36.42	---	---	24.00
VHT80	2	5530	83.01	85.10	---	---	75.25	75.25	---	---	24.00
VHT80	2	5610	89.51	95.07	---	---	75.47	76.53	---	---	24.00

Worst Plots of 26dB Bandwidth



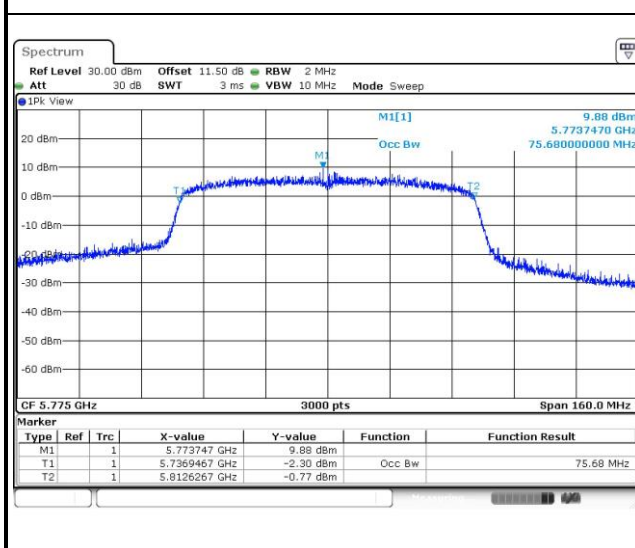
Worst Plots of 99% Bandwidth



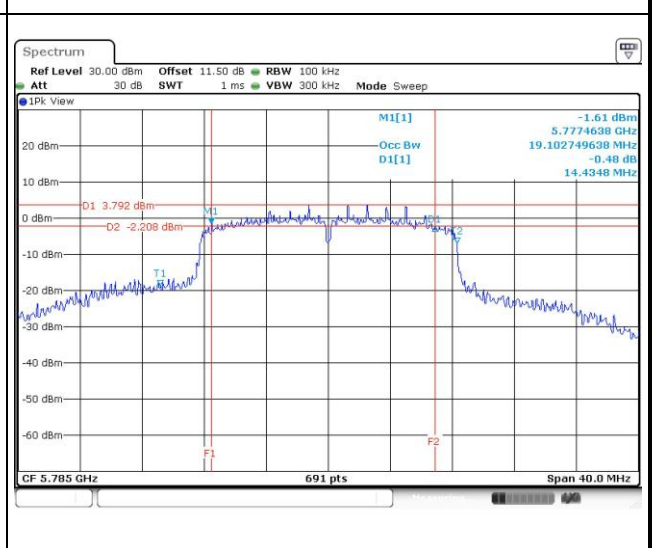
For Frequency band 5725-5850 MHz

Mode	N _{TX}	Freq. (MHz)	OBW Bandwidth (MHz)				6dB Bandwidth (MHz)				6dB BW Limit (MHz)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
11a	2	5745	16.53	16.61	---	---	15.36	15.19	---	---	0.5
11a	2	5785	17.68	16.37	---	---	14.43	15.07	---	---	0.5
11a	2	5825	16.55	16.33	---	---	15.13	15.13	---	---	0.5
VHT20	2	5745	17.86	17.61	---	---	15.36	15.13	---	---	0.5
VHT20	2	5785	17.67	17.44	---	---	15.07	15.13	---	---	0.5
VHT20	2	5825	18.39	17.46	---	---	15.07	15.13	---	---	0.5
VHT40	2	5755	37.64	36.16	---	---	35.13	35.13	---	---	0.5
VHT40	2	5795	36.48	36.18	---	---	35.13	35.13	---	---	0.5
VHT80	2	5775	75.68	75.25	---	---	75.13	75.13	---	---	0.5

Worst Plots of 99% Bandwidth



Worst Plots of 6dB Bandwidth



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Frequency band 5150-5250 MHz		
Operating Mode		Limit
☐	Outdoor access point	Conducted Power: 1 W The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm)
☒	Indoor access point	Conducted Power: 1 W
☐	Fixed point-to-point access points	Conducted Power: 1 W
☐	Client devices	Conducted Power: 250 mW

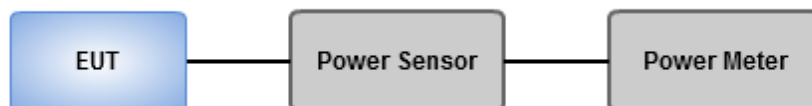
Frequency Band (MHz)	Limit
☒ 5250 ~ 5350	250mW or 11dBm+10 log B
☒ 5470 ~ 5725	250mW or 11dBm+10 log B
☒ 5725 ~ 5850	1 W

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

For Frequency band 5150~5250 MHz									
Mode	N _{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5180	13.38	13.61	---	---	44.739	16.51	30.00
11a	2	5200	13.41	13.64	---	---	45.049	16.54	30.00
11a	2	5240	13.39	13.61	---	---	44.789	16.51	30.00
HT20	2	5180	13.06	13.75	---	---	43.944	16.43	30.00
HT20	2	5200	13.24	13.56	---	---	43.785	16.41	30.00
HT20	2	5240	13.18	13.52	---	---	43.288	16.36	30.00
HT40	2	5190	8.69	9.54	---	---	16.391	12.15	30.00
HT40	2	5230	13.85	14.04	---	---	49.617	16.96	30.00
VHT20	2	5180	13.18	13.89	---	---	45.288	16.56	30.00
VHT20	2	5200	13.35	13.68	---	---	44.962	16.53	30.00
VHT20	2	5240	13.31	13.66	---	---	44.656	16.50	30.00
VHT40	2	5190	8.81	9.66	---	---	16.850	12.27	30.00
VHT40	2	5230	13.99	14.12	---	---	50.884	17.07	30.00
VHT80	2	5210	8.01	8.03	---	---	12.677	11.03	30.00

For Frequency band 5250~5350 MHz									
Mode	N _{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5260	14.22	14.32	---	---	53.464	17.28	24.00
11a	2	5300	13.86	14.12	---	---	50.145	17.00	24.00
11a	2	5320	13.66	14.39	---	---	50.706	17.05	24.00
HT20	2	5260	14.02	14.25	---	---	51.842	17.15	24.00
HT20	2	5300	13.84	14.21	---	---	50.574	17.04	24.00
HT20	2	5320	13.65	14.02	---	---	48.409	16.85	24.00
HT40	2	5270	13.83	14.25	---	---	50.762	17.06	24.00
HT40	2	5310	10.51	11.19	---	---	24.398	13.87	24.00
VHT20	2	5260	14.14	14.38	---	---	53.358	17.27	24.00
VHT20	2	5300	13.96	14.35	---	---	52.116	17.17	24.00
VHT20	2	5320	13.81	14.18	---	---	50.225	17.01	24.00
VHT40	2	5270	13.96	14.33	---	---	51.990	17.16	24.00
VHT40	2	5310	10.64	11.32	---	---	25.140	14.00	24.00
VHT80	2	5290	11.17	11.82	---	---	28.297	14.52	24.00

For Frequency band 5470~5725 MHz									
Mode	N _{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5500	13.65	13.42	---	---	45.153	16.55	24.00
11a	2	5580	13.69	14.28	---	---	50.180	17.01	24.00
11a	2	5700	13.03	13.88	---	---	44.525	16.49	24.00
HT20	2	5500	14.02	13.65	---	---	48.409	16.85	24.00
HT20	2	5580	13.42	14.29	---	---	48.832	16.89	24.00
HT20	2	5700	12.65	13.45	---	---	40.539	16.08	24.00
HT40	2	5510	10.21	10.53	---	---	21.793	13.38	24.00
HT40	2	5590	13.54	14.42	---	---	50.264	17.01	24.00
HT40	2	5670	13.02	13.84	---	---	44.255	16.46	24.00
VHT20	2	5500	14.13	13.78	---	---	49.760	16.97	24.00
VHT20	2	5580	13.57	14.42	---	---	50.420	17.03	24.00
VHT20	2	5700	12.76	13.61	---	---	41.841	16.22	24.00
VHT40	2	5510	10.33	10.64	---	---	22.377	13.50	24.00
VHT40	2	5590	13.68	14.53	---	---	51.714	17.14	24.00
VHT40	2	5670	13.11	13.96	---	---	45.353	16.57	24.00
VHT80	2	5530	8.02	8.62	---	---	13.616	11.34	24.00
VHT80	2	5610	11.09	11.98	---	---	28.629	14.57	24.00

For Frequency band 5725-5850 MHz									
Mode	N _{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5745	13.86	14.49	---	---	52.441	17.20	30.00
11a	2	5785	14.25	13.81	---	---	50.651	17.05	30.00
11a	2	5825	14.29	13.85	---	---	51.120	17.09	30.00
HT20	2	5745	13.94	14.16	---	---	50.836	17.06	30.00
HT20	2	5785	14.41	13.52	---	---	50.096	17.00	30.00
HT20	2	5825	14.35	13.41	---	---	49.155	16.92	30.00
HT40	2	5755	14.22	13.48	---	---	48.708	16.88	30.00
HT40	2	5795	14.36	13.72	---	---	50.840	17.06	30.00
VHT20	2	5745	14.08	14.32	---	---	52.625	17.21	30.00
VHT20	2	5785	14.55	13.65	---	---	51.684	17.13	30.00
VHT20	2	5825	14.48	13.56	---	---	50.753	17.05	30.00
VHT40	2	5755	14.34	13.61	---	---	50.126	17.00	30.00
VHT40	2	5795	14.50	13.87	---	---	52.562	17.21	30.00
VHT80	2	5775	11.79	10.92	---	---	27.460	14.39	30.00

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

Frequency band 5150-5250 MHz		
Operating Mode		Limit
☐	Outdoor access point	17 dBm / MHz
☒	Indoor access point	17 dBm / MHz
☐	Fixed point-to-point access points	17 dBm / MHz
☐	Client devices	11 dBm / MHz

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz
☒	5725 ~ 5850	30 dBm / 500 kHz

3.4.2 Test Procedures

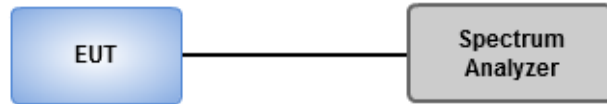
For 5150~5250 MHz, 5250~5350 MHz, 5470~5725 MHz

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

For 5725~5850 MHz

- ☒ Method SA-1 (11a, 11ac VHT20)
 - Set RBW = 500 kHz, VBW = 2 MHz, Sweep time = auto, Detector = RMS.
 - Trace average 100 traces.
 - Use the peak marker function to determine the maximum amplitude level.
- ☒ Method SA-2 Alternative (11ac VHT40, 11ac VHT80)
 - Set RBW = 500 kHz, VBW = 2 MHz, Detector = RMS.
 - Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
 - Perform a single sweep.
 - Use the peak marker function to determine the maximum amplitude level.
 - Add $10 \log(1/x)$, where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Frequency band			5150~5250 MHz / 5250~5350 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
11a	2	5180	4.18	0.00	4.18	17
11a	2	5200	4.13	0.00	4.13	17
11a	2	5240	4.20	0.00	4.20	17
VHT20	2	5180	3.99	0.00	3.99	17
VHT20	2	5200	4.21	0.00	4.21	17
VHT20	2	5240	4.09	0.00	4.09	17
VHT40	2	5190	-3.71	0.23	-3.48	17
VHT40	2	5230	1.19	0.23	1.42	17
VHT80	2	5210	-9.22	0.45	-8.77	17
11a	2	5260	4.64	0.00	4.64	11
11a	2	5300	4.14	0.00	4.14	11
11a	2	5320	4.50	0.00	4.50	11
VHT20	2	5260	4.40	0.00	4.40	11
VHT20	2	5300	4.26	0.00	4.26	11
VHT20	2	5320	4.04	0.00	4.04	11
VHT40	2	5270	0.59	0.23	0.82	11
VHT40	2	5310	-2.20	0.23	-1.97	11
VHT80	2	5290	-5.19	0.45	-4.74	11

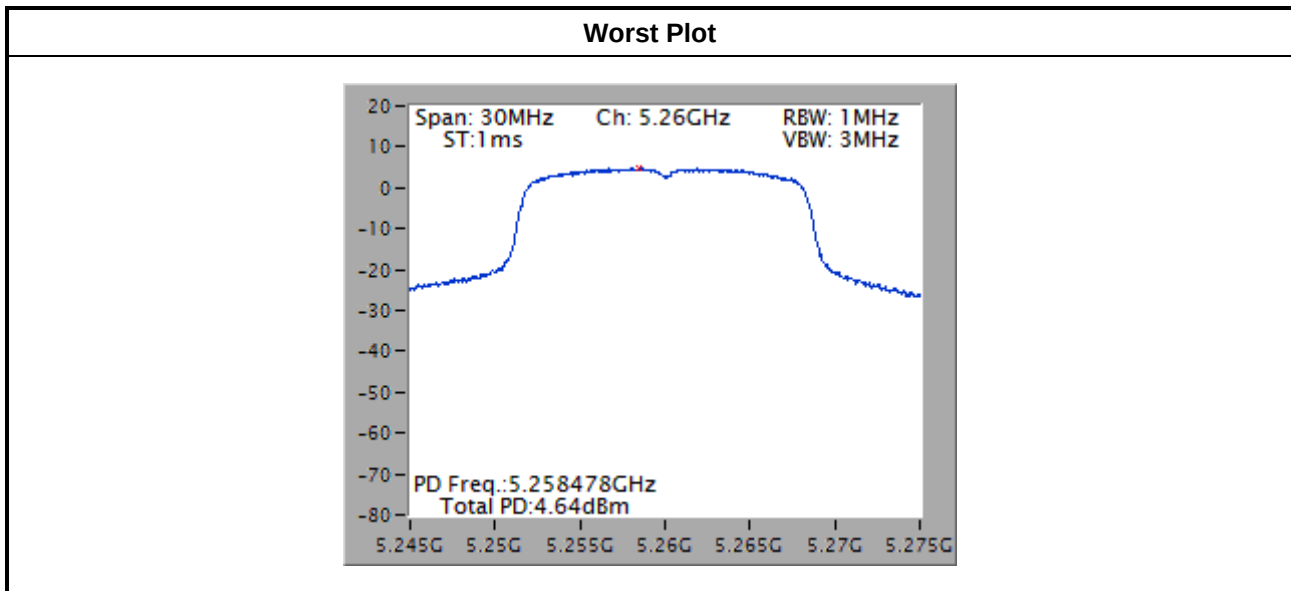
Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.

Frequency band			5470~5725 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
11a	2	5500	3.84	0.00	3.84	10.54
11a	2	5580	3.86	0.00	3.86	10.54
11a	2	5700	3.40	0.00	3.40	10.54
VHT20	2	5500	3.86	0.00	3.86	10.54
VHT20	2	5580	3.76	0.00	3.76	10.54
VHT20	2	5700	3.06	0.00	3.06	10.54
VHT40	2	5510	-2.99	0.23	-2.76	10.54
VHT40	2	5590	0.65	0.23	0.88	10.54
VHT40	2	5670	-0.27	0.23	-0.04	10.54
VHT80	2	5530	-8.53	0.45	-8.08	10.54
VHT80	2	5610	-5.42	0.45	-4.97	10.54

Note:

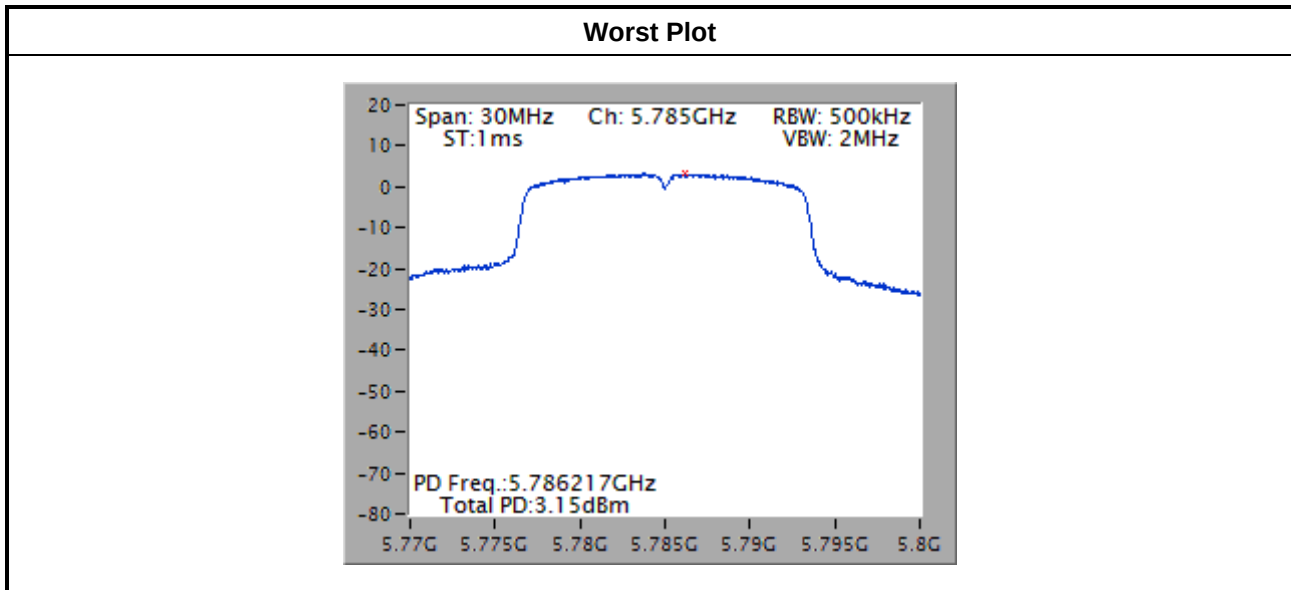
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $10 * \log((10^{3.2/20} + 10^{3.7/20})/2) = 6.46 \text{ dBi} > 6 \text{ dBi}.$
Limit shall be reduced to 11 dBm – (6.46 dBi – 6 dBi) = 10.54 dBm.



Frequency band			5725-5850 MHz			
Condition			Peak Power Spectral Density (dBm/500kHz)			
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/500kHz)	Duty Factor (dB)	PPSD with D.F (dBm/500kHz)	PPSD Limit (dBm/500kHz)
11a	2	5745	2.91	0.00	2.91	29.34
11a	2	5785	3.15	0.00	3.15	29.34
11a	2	5825	2.57	0.00	2.57	29.34
VHT20	2	5745	2.72	0.00	2.72	29.34
VHT20	2	5785	2.69	0.00	2.69	29.34
VHT20	2	5825	2.80	0.00	2.80	29.34
VHT40	2	5755	-0.98	0.23	-0.75	29.34
VHT40	2	5795	-0.73	0.23	-0.50	29.34
VHT80	2	5775	-6.90	0.45	-6.45	29.34

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $10 * \log((10^{3.4/20} + 10^{3.9/20})^2 / 2) = 6.66 \text{ dBi} > 6 \text{ dBi}$.
Limit shall be reduced to $30 \text{ dBm} - (6.66 \text{ dBi} - 6 \text{ dBi}) = 29.34 \text{ dBm}$.



3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 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 - 5.850 GHz	☒ 15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
	☐ 15.407(b)(4)(ii), compliance with the emission limits in § 15.247(d) Shall be at least 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power,. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see § 15.205(c))

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).

3.5.2 Test Procedures

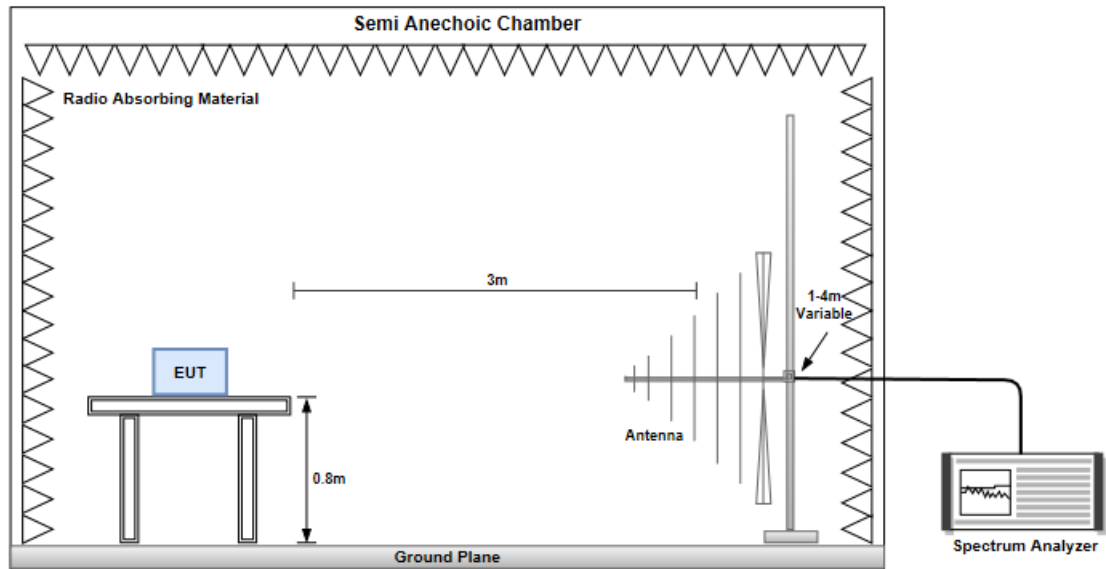
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
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:

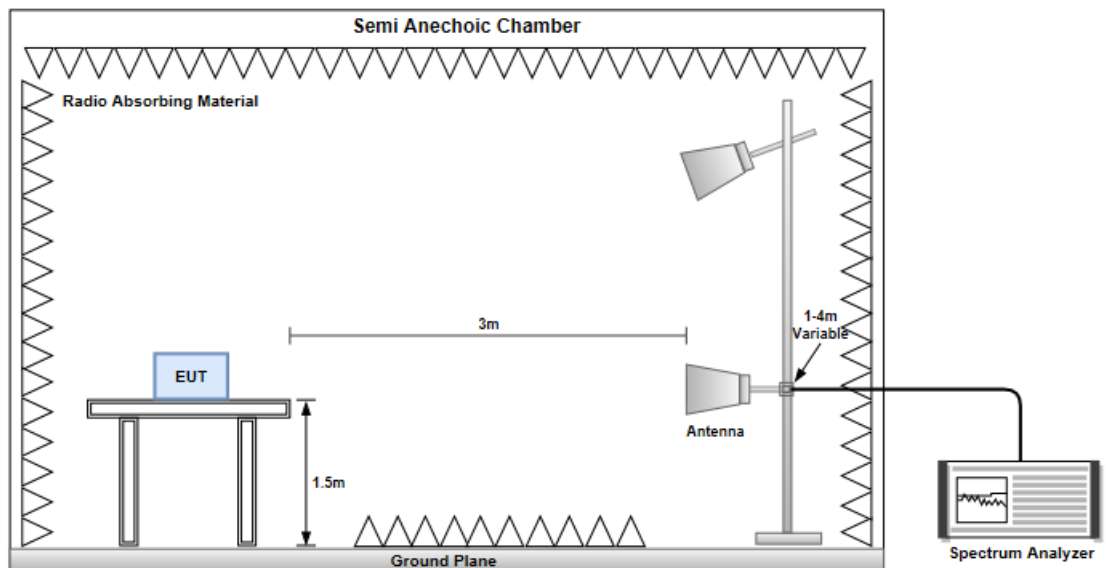
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz

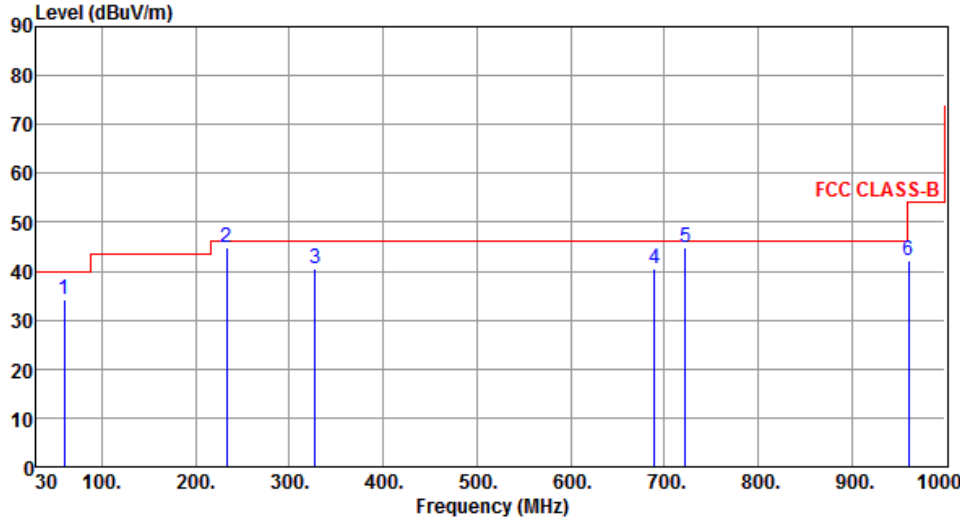


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

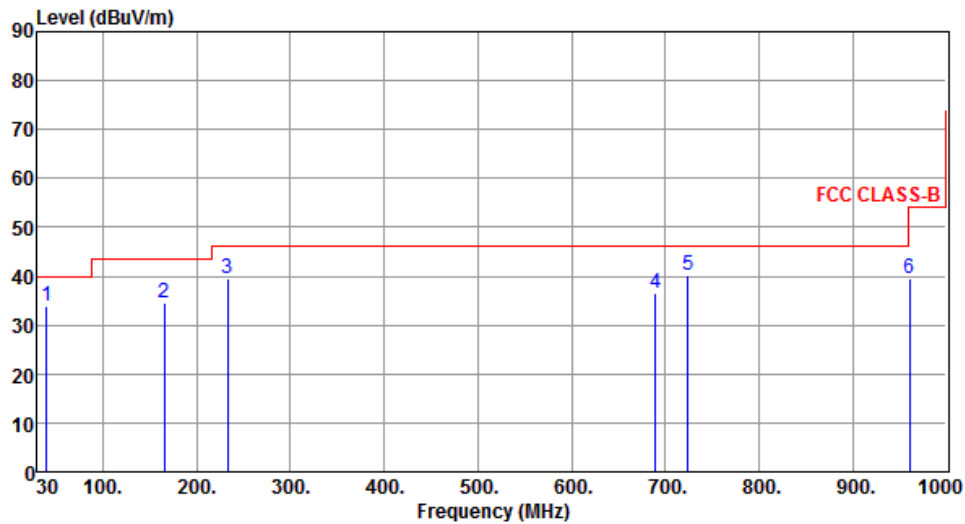
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	60.21	34.34	40.00	-5.66	43.03	-8.69	Peak	---	---
2	233.38	44.74	46.00	-1.26	54.51	-9.77	QP	127	153
3	327.64	40.68	46.00	-5.32	47.58	-6.90	Peak	---	---
4	689.51	40.64	46.00	-5.36	40.06	0.58	Peak	---	---
5	722.52	44.91	46.00	-1.09	43.58	1.33	QP	119	291
6	960.33	42.12	54.00	-11.88	36.90	5.22	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

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



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	39.60	33.85	40.00	-6.15	42.32	-8.47	Peak	---	---
2	165.74	34.39	43.50	-9.11	42.53	-8.14	Peak	---	---
3	232.66	39.54	46.00	-6.46	49.36	-9.82	Peak	---	---
4	689.54	36.48	46.00	-9.52	35.90	0.58	Peak	---	---
5	724.49	40.32	46.00	-5.68	38.94	1.38	Peak	---	---
6	960.37	39.62	54.00	-14.38	34.40	5.22	Peak	---	---

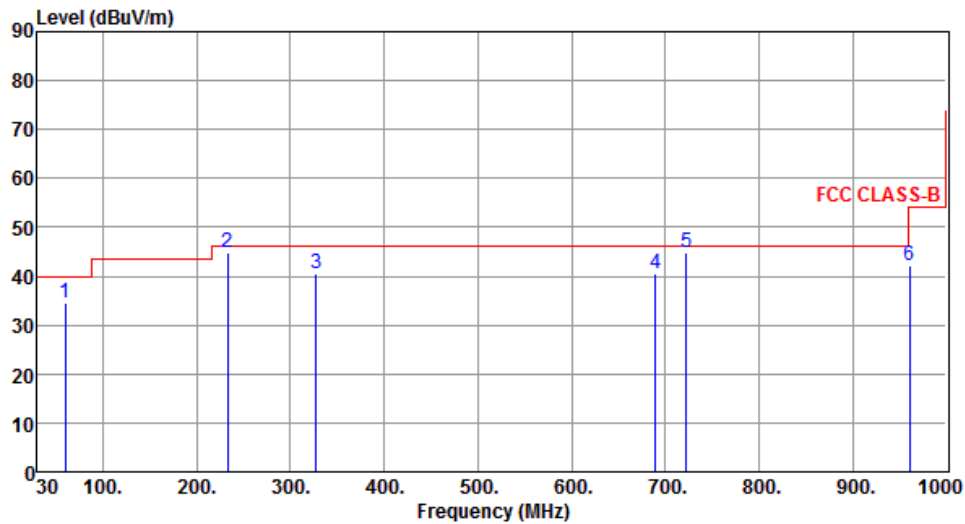
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

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



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	60.14	34.59	40.00	-5.41	43.27	-8.68	Peak	---	---
2	233.36	44.86	46.00	-1.14	54.63	-9.77	QP	127	150
3	327.66	40.68	46.00	-5.32	47.58	-6.90	Peak	---	---
4	689.58	40.65	46.00	-5.35	40.07	0.58	Peak	---	---
5	722.51	44.99	46.00	-1.01	43.66	1.33	QP	118	292
6	960.46	42.21	54.00	-11.79	36.99	5.22	Peak	---	---

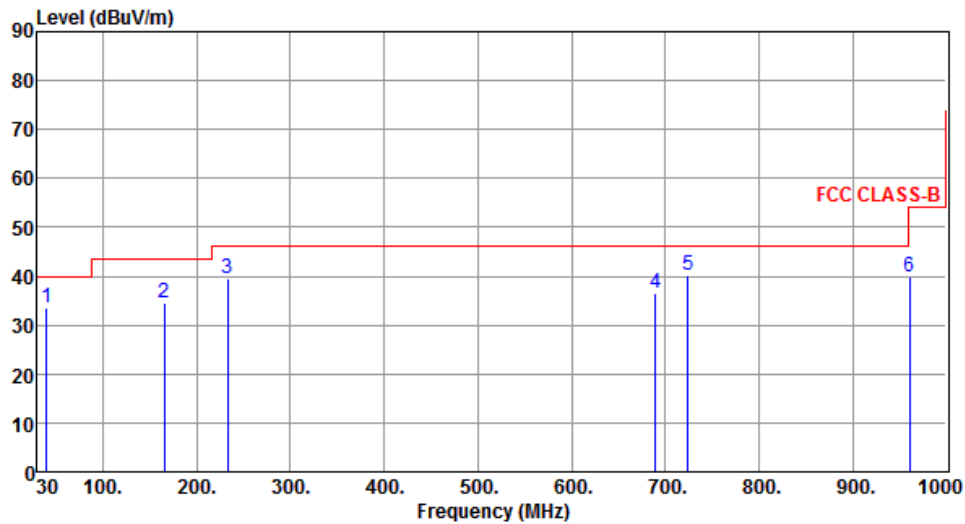
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

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



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	39.65	33.68	40.00	-6.32	42.14	-8.46	Peak	---	---
2	165.82	34.39	43.50	-9.11	42.53	-8.14	Peak	---	---
3	232.68	39.47	46.00	-6.53	49.29	-9.82	Peak	---	---
4	689.57	36.37	46.00	-9.63	35.79	0.58	Peak	---	---
5	724.49	40.26	46.00	-5.74	38.88	1.38	Peak	---	---
6	960.46	39.89	54.00	-14.11	34.67	5.22	Peak	---	---

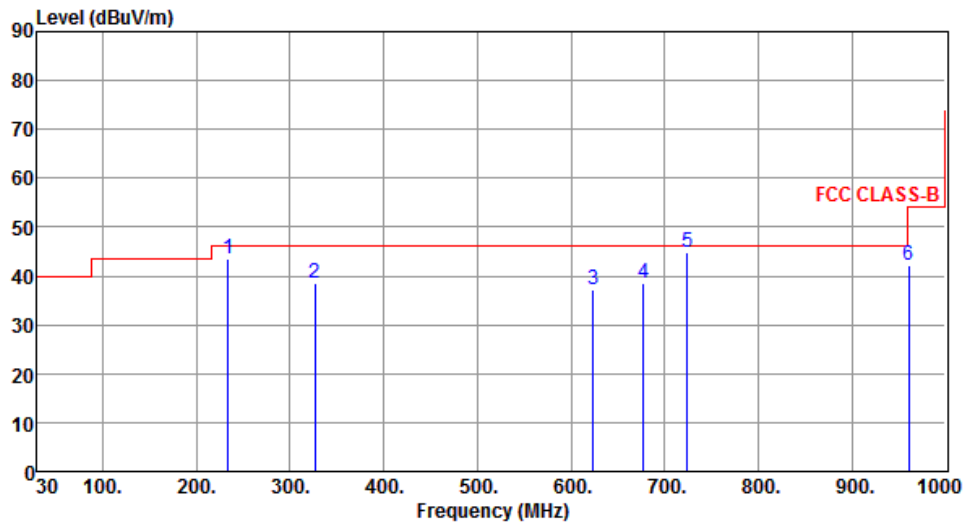
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
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	233.61	43.45	46.00	-2.55	53.21	-9.76	QP	123	150
2	326.66	38.65	46.00	-7.35	45.57	-6.92	Peak	---	---
3	623.55	37.23	46.00	-8.77	37.55	-0.32	Peak	---	---
4	677.84	38.39	46.00	-7.61	37.97	0.42	Peak	---	---
5	724.14	44.97	46.00	-1.03	43.60	1.37	QP	113	285
6	960.39	42.02	54.00	-11.98	36.80	5.22	Peak	---	---

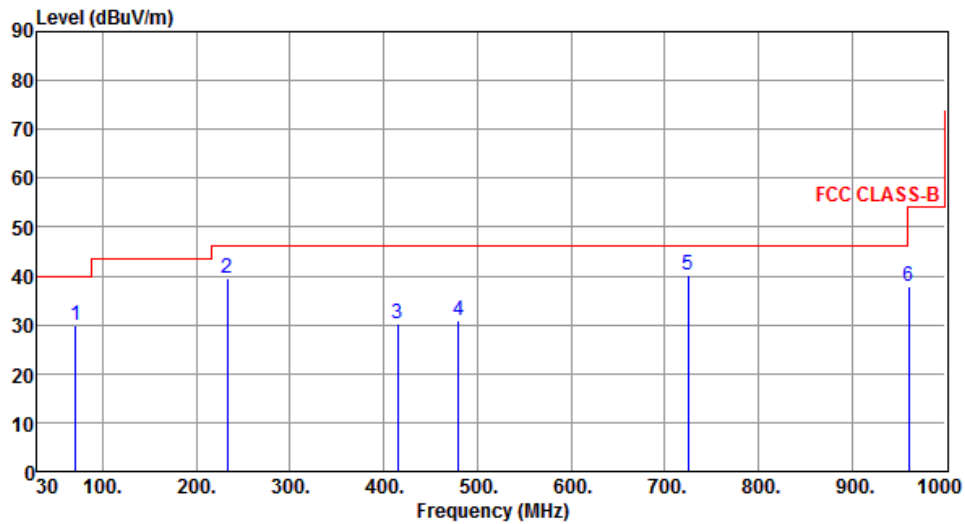
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
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	70.66	30.01	40.00	-9.99	40.53	-10.52	Peak	---	---
2	232.64	39.57	46.00	-6.43	49.40	-9.83	Peak	---	---
3	415.12	30.11	46.00	-15.89	34.70	-4.59	Peak	---	---
4	480.11	30.78	46.00	-15.22	34.06	-3.28	Peak	---	---
5	724.74	40.21	46.00	-5.79	38.83	1.38	Peak	---	---
6	960.31	37.85	54.00	-16.15	32.63	5.22	Peak	---	---

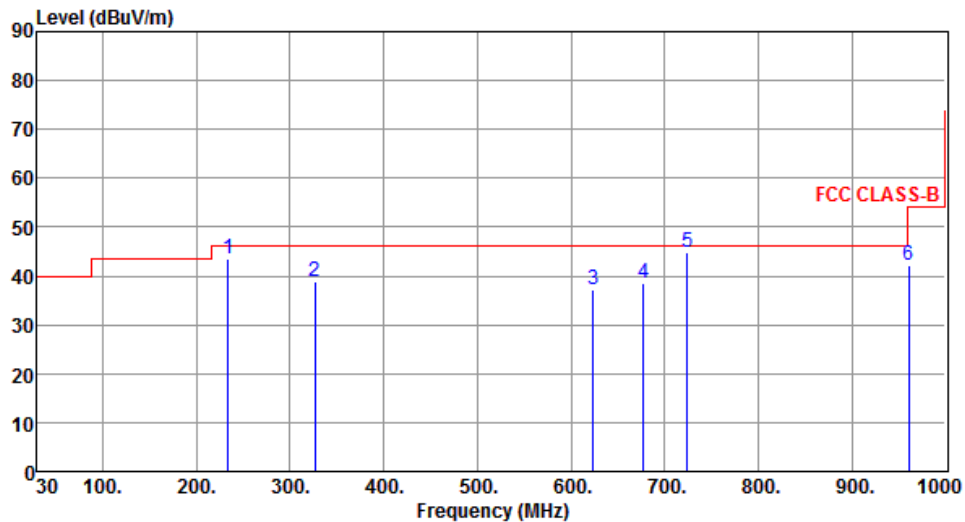
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
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	233.64	43.48	46.00	-2.52	53.24	-9.76	QP	121	148
2	326.61	38.95	46.00	-7.05	45.87	-6.92	Peak	---	---
3	623.65	37.31	46.00	-8.69	37.63	-0.32	Peak	---	---
4	677.74	38.65	46.00	-7.35	38.23	0.42	Peak	---	---
5	724.13	44.89	46.00	-1.11	43.52	1.37	QP	115	285
6	960.49	42.21	54.00	-11.79	36.99	5.22	Peak	---	---

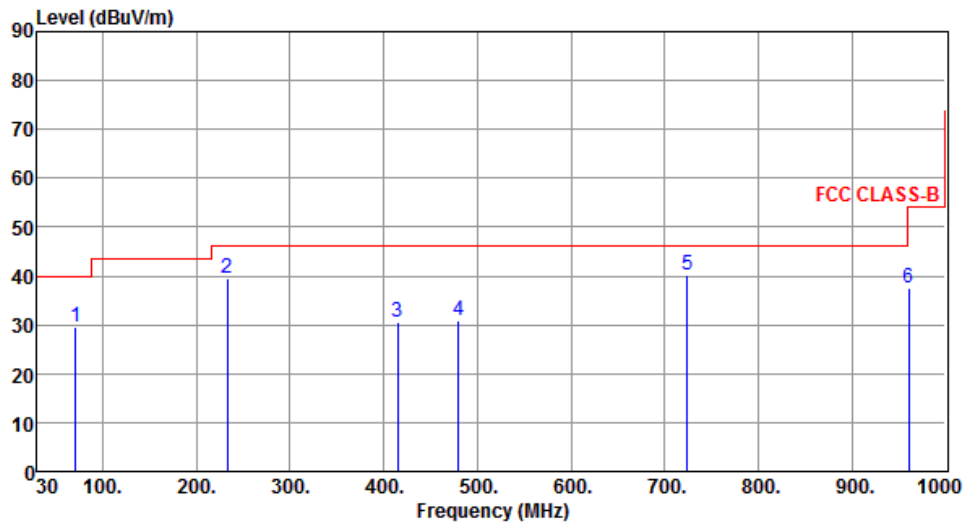
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

Modulation	VHT20	Test Freq. (MHz)	5745
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	70.63	29.67	40.00	-10.33	40.18	-10.51	Peak	---	---
2	232.64	39.58	46.00	-6.42	49.41	-9.83	Peak	---	---
3	415.12	30.65	46.00	-15.35	35.24	-4.59	Peak	---	---
4	480.21	30.97	46.00	-15.03	34.25	-3.28	Peak	---	---
5	724.49	40.21	46.00	-5.79	38.83	1.38	Peak	---	---
6	960.37	37.51	54.00	-16.49	32.29	5.22	Peak	---	---

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

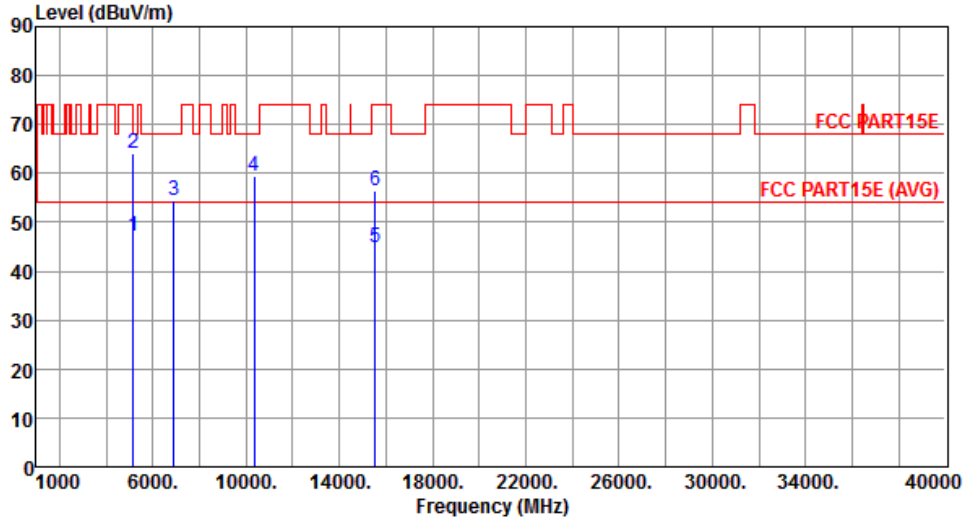
*Factor includes antenna factor , cable loss and amplifier gain

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

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

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

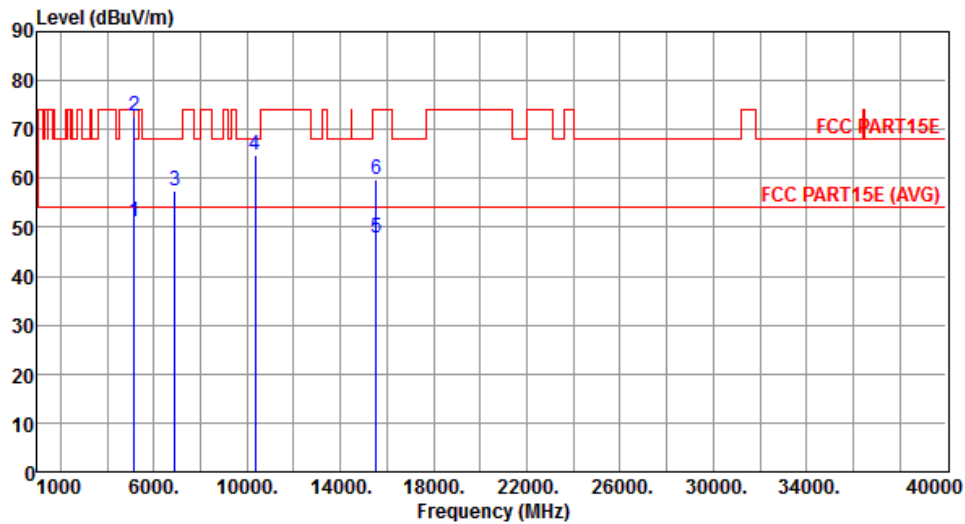
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	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	47.16	54.00	-6.84	41.16	6.00	Average	125	306
2	5150.00	64.14	74.00	-9.86	58.14	6.00	Peak	125	306
3	6907.00	54.61	68.20	-13.59	44.62	9.99	Peak	100	62
4	10360.00	59.52	68.20	-8.68	43.77	15.75	Peak	383	253
5	15540.00	44.88	54.00	-9.12	28.15	16.73	Average	100	20
6	15540.00	56.32	74.00	-17.68	39.59	16.73	Peak	100	20

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



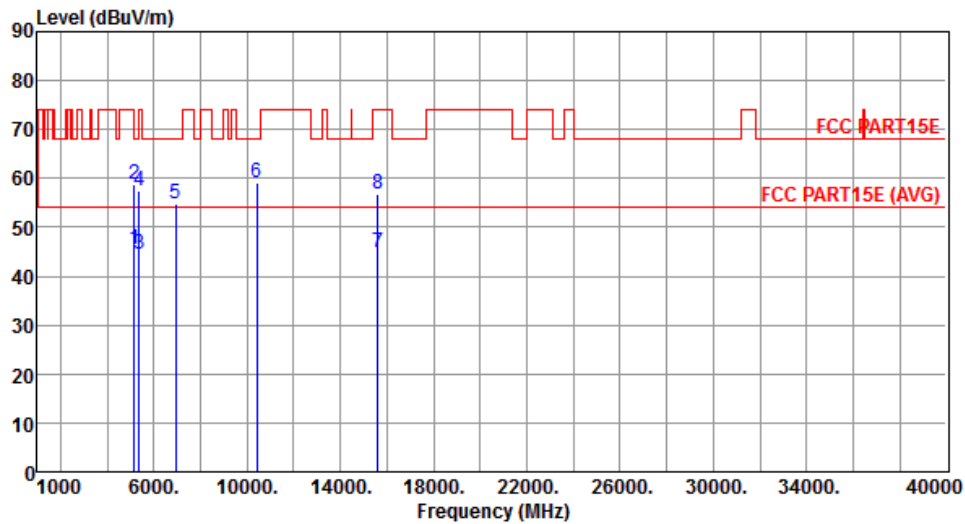
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.26	54.00	-2.74	45.26	6.00	Average	187	17
2	5150.00	72.62	74.00	-1.38	66.62	6.00	Peak	187	17
3	6907.00	57.53	68.20	-10.67	47.54	9.99	Peak	370	215
4	10360.00	64.61	68.20	-3.59	48.86	15.75	Peak	242	75
5	15540.00	47.75	54.00	-6.25	31.02	16.73	Average	274	41
6	15540.00	59.62	74.00	-14.38	42.89	16.73	Peak	274	41

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



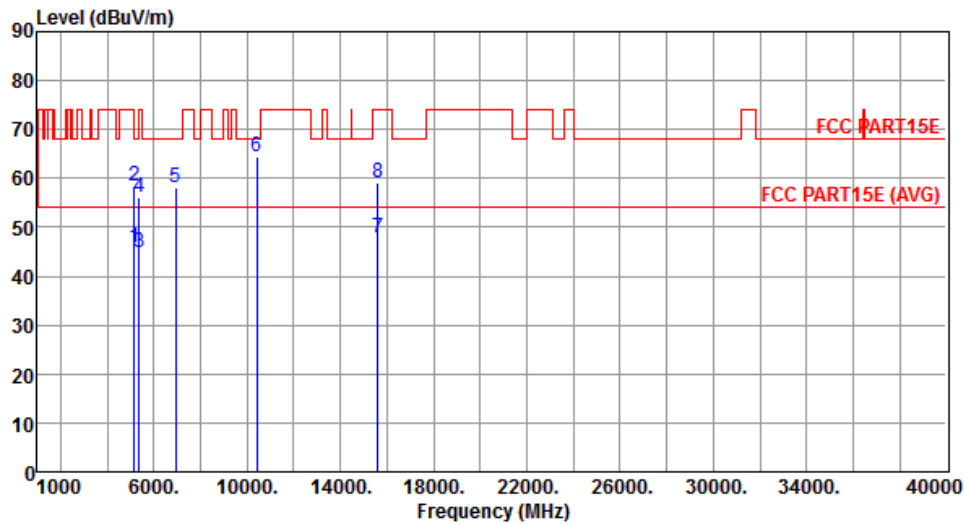
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.56	54.00	-8.44	39.56	6.00	Average	118	302
2	5150.00	58.70	74.00	-15.30	52.70	6.00	Peak	118	302
3	5350.00	44.59	54.00	-9.41	38.23	6.36	Average	118	302
4	5350.00	57.55	74.00	-16.45	51.19	6.36	Peak	118	302
5	6933.00	54.65	68.20	-13.55	44.57	10.08	Peak	100	63
6	10400.00	59.20	68.20	-9.00	43.42	15.78	Peak	372	240
7	15600.00	44.99	54.00	-9.01	28.34	16.65	Average	100	35
8	15600.00	56.81	74.00	-17.19	40.16	16.65	Peak	100	35

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



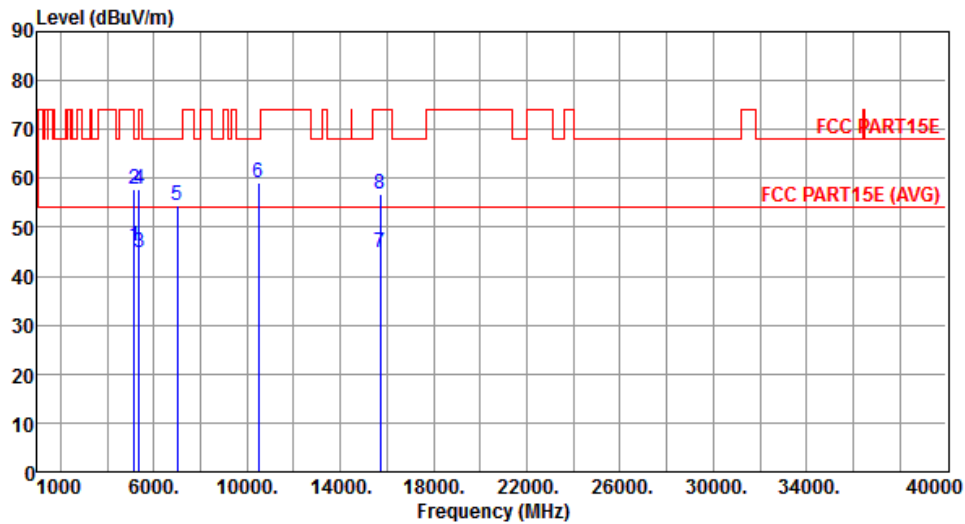
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.91	54.00	-8.09	39.91	6.00	Average	180	45
2	5150.00	58.33	74.00	-15.67	52.33	6.00	Peak	180	45
3	5350.00	44.99	54.00	-9.01	38.63	6.36	Average	180	45
4	5350.00	56.26	74.00	-17.74	49.90	6.36	Peak	180	45
5	6933.00	57.97	68.20	-10.23	47.89	10.08	Peak	364	161
6	10400.00	64.51	68.20	-3.69	48.73	15.78	Peak	238	66
7	15600.00	47.91	54.00	-6.09	31.26	16.65	Average	258	52
8	15600.00	59.21	74.00	-14.79	42.56	16.65	Peak	258	52

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



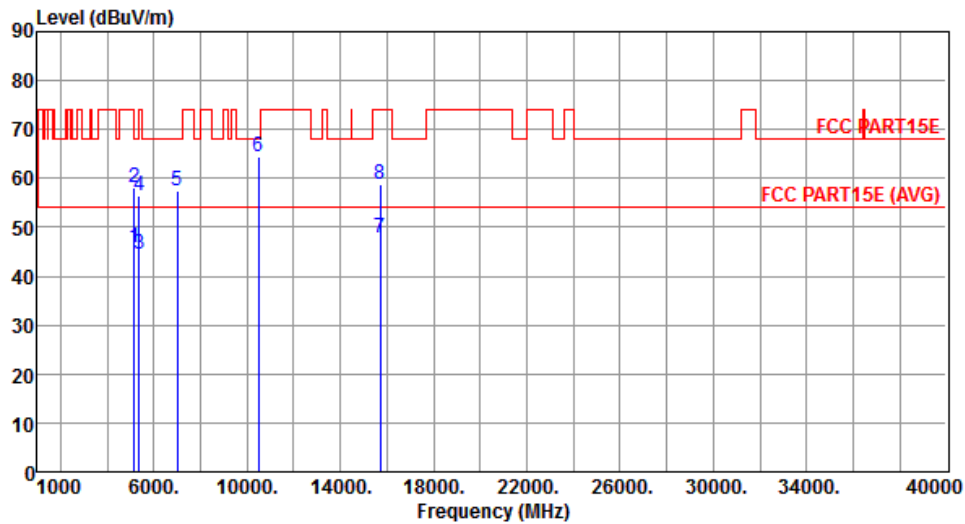
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.02	54.00	-7.98	40.02	6.00	Average	123	302
2	5150.00	57.82	74.00	-16.18	51.82	6.00	Peak	123	302
3	5350.00	44.72	54.00	-9.28	38.36	6.36	Average	123	302
4	5350.00	57.73	74.00	-16.27	51.37	6.36	Peak	123	302
5	6986.66	54.56	68.20	-13.64	44.29	10.27	Peak	117	62
6	10480.00	59.03	68.20	-9.17	43.20	15.83	Peak	378	240
7	15720.00	44.73	54.00	-9.27	28.22	16.51	Average	100	46
8	15720.00	56.79	74.00	-17.21	40.28	16.51	Peak	100	46

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



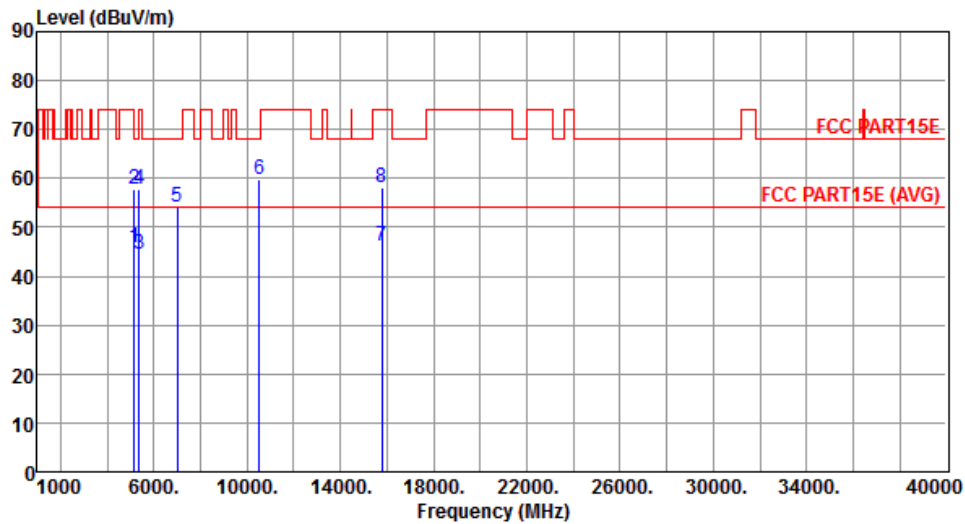
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.76	54.00	-8.24	39.76	6.00	Average	168	18
2	5150.00	58.24	74.00	-15.76	52.24	6.00	Peak	168	18
3	5350.00	44.62	54.00	-9.38	38.26	6.36	Average	168	18
4	5350.00	56.41	74.00	-17.59	50.05	6.36	Peak	168	18
5	6986.66	57.47	68.20	-10.73	47.20	10.27	Peak	357	176
6	10480.00	64.41	68.20	-3.79	48.58	15.83	Peak	216	75
7	15720.00	47.92	54.00	-6.08	31.41	16.51	Average	246	81
8	15720.00	58.95	74.00	-15.05	42.44	16.51	Peak	246	81

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



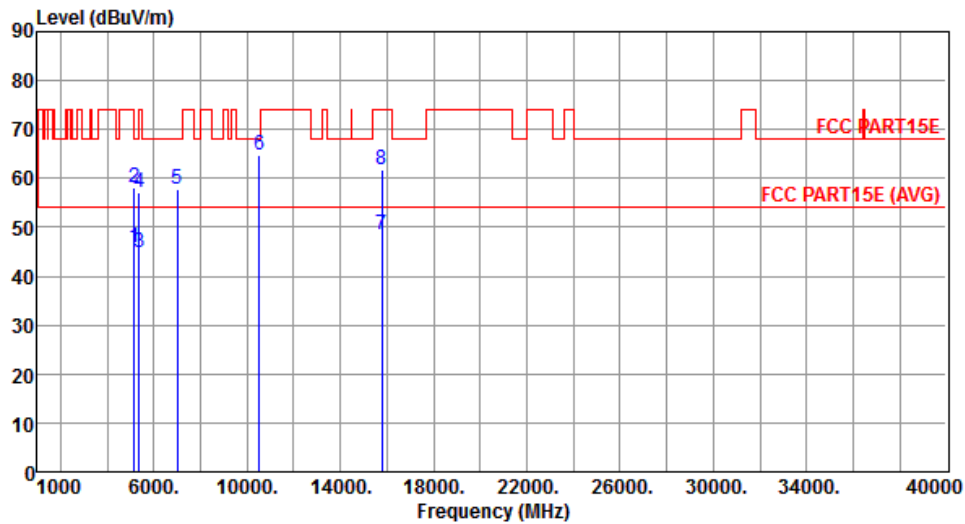
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.70	54.00	-8.30	39.70	6.00	Average	224	293
2	5150.00	57.90	74.00	-16.10	51.90	6.00	Peak	224	293
3	5350.00	44.46	54.00	-9.54	38.10	6.36	Average	224	293
4	5350.00	57.78	74.00	-16.22	51.42	6.36	Peak	224	293
5	7013.00	54.12	68.20	-14.08	43.80	10.32	Peak	103	62
6	10520.00	59.71	68.20	-8.49	43.83	15.88	Peak	372	242
7	15780.00	46.07	54.00	-7.93	29.64	16.43	Average	100	16
8	15780.00	58.21	74.00	-15.79	41.78	16.43	Peak	100	16

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



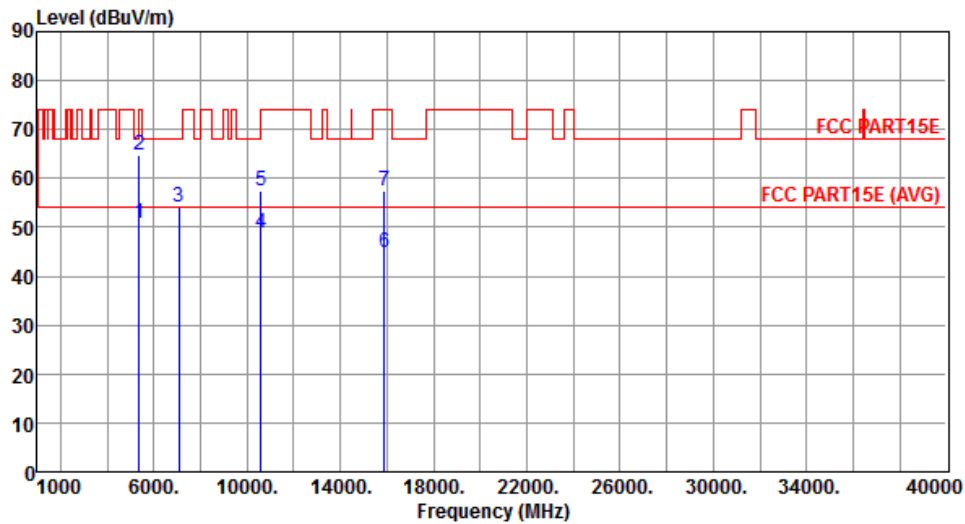
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.80	54.00	-8.20	39.80	6.00	Average	203	7
2	5150.00	58.10	74.00	-15.90	52.10	6.00	Peak	203	7
3	5350.00	44.92	54.00	-9.08	38.56	6.36	Average	203	7
4	5350.00	57.26	74.00	-16.74	50.90	6.36	Peak	203	7
5	7013.00	57.74	68.20	-10.46	47.42	10.32	Peak	353	176
6	10520.00	64.65	68.20	-3.55	48.77	15.88	Peak	268	182
7	15780.00	48.44	54.00	-5.56	32.01	16.43	Average	242	33
8	15780.00	61.93	74.00	-12.07	45.50	16.43	Peak	242	33

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



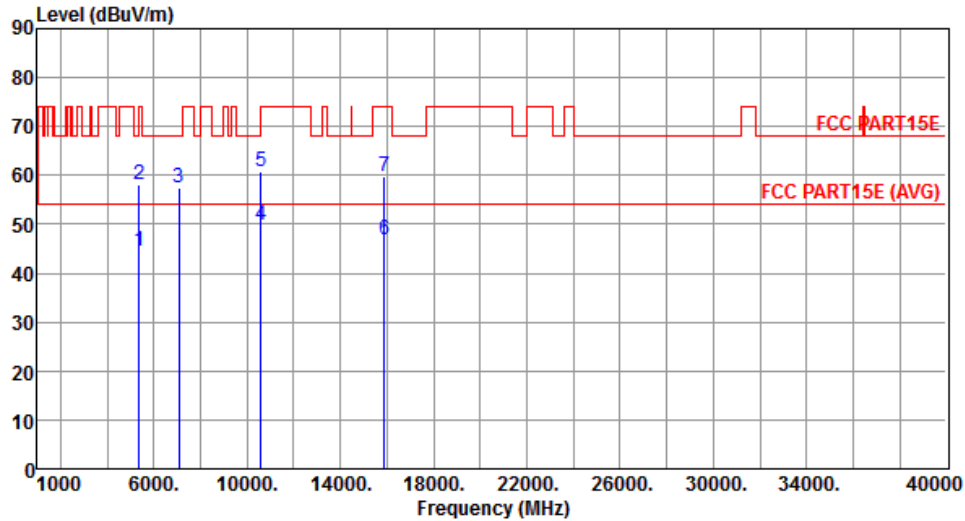
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	50.78	54.00	-3.22	44.42	6.36	Average	126	298
2	5350.00	64.83	74.00	-9.17	58.47	6.36	Peak	126	298
3	7066.66	53.98	68.20	-14.22	43.65	10.33	Peak	110	61
4	10600.00	48.84	54.00	-5.16	32.81	16.03	Average	380	246
5	10600.00	57.34	74.00	-16.66	41.31	16.03	Peak	380	246
6	15900.00	44.87	54.00	-9.13	28.58	16.29	Average	211	254
7	15900.00	57.41	74.00	-16.59	41.12	16.29	Peak	211	254

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



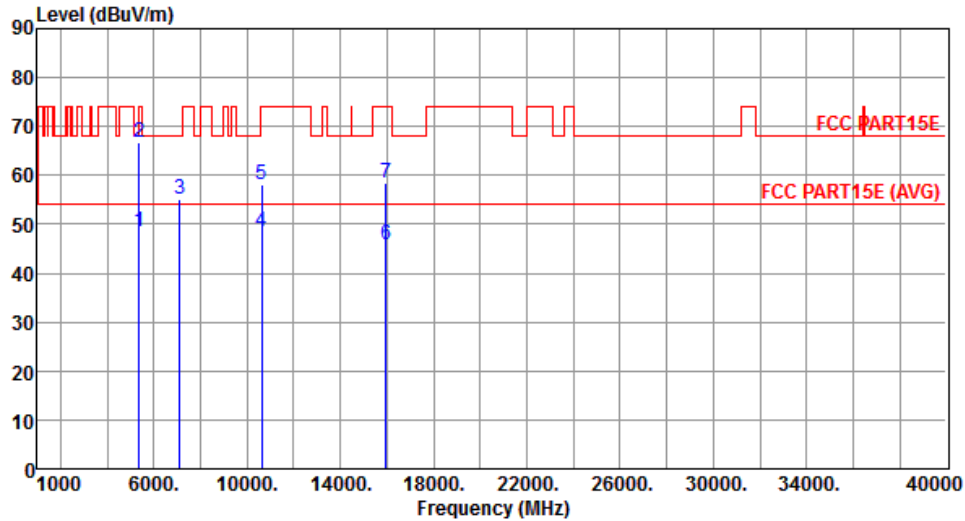
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	44.45	54.00	-9.55	38.09	6.36	Average	218	20
2	5350.00	58.21	74.00	-15.79	51.85	6.36	Peak	218	20
3	7066.66	57.54	68.20	-10.66	47.21	10.33	Peak	356	175
4	10600.00	49.94	54.00	-4.06	33.91	16.03	Average	263	188
5	10600.00	60.89	74.00	-13.11	44.86	16.03	Peak	263	188
6	15900.00	46.99	54.00	-7.01	30.70	16.29	Average	235	278
7	15900.00	59.87	74.00	-14.13	43.58	16.29	Peak	235	278

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



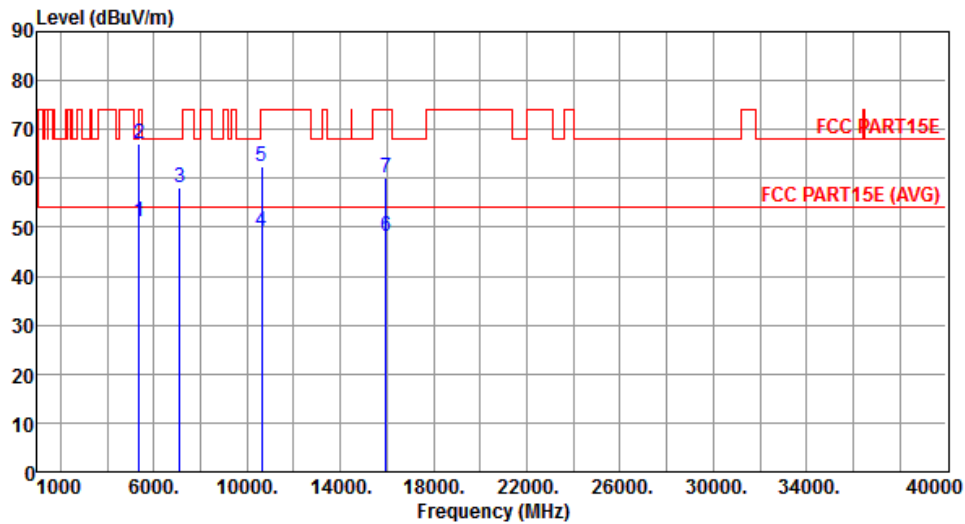
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.34	54.00	-5.66	41.98	6.36	Average	229	290
2	5350.00	66.61	74.00	-7.39	60.25	6.36	Peak	229	290
3	7093.00	54.98	68.20	-13.22	44.64	10.34	Peak	100	295
4	10640.00	48.58	54.00	-5.42	32.46	16.12	Average	380	244
5	10640.00	58.01	74.00	-15.99	41.89	16.12	Peak	380	244
6	15960.00	45.70	54.00	-8.30	29.49	16.21	Average	232	267
7	15960.00	58.57	74.00	-15.43	42.36	16.21	Peak	232	267

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



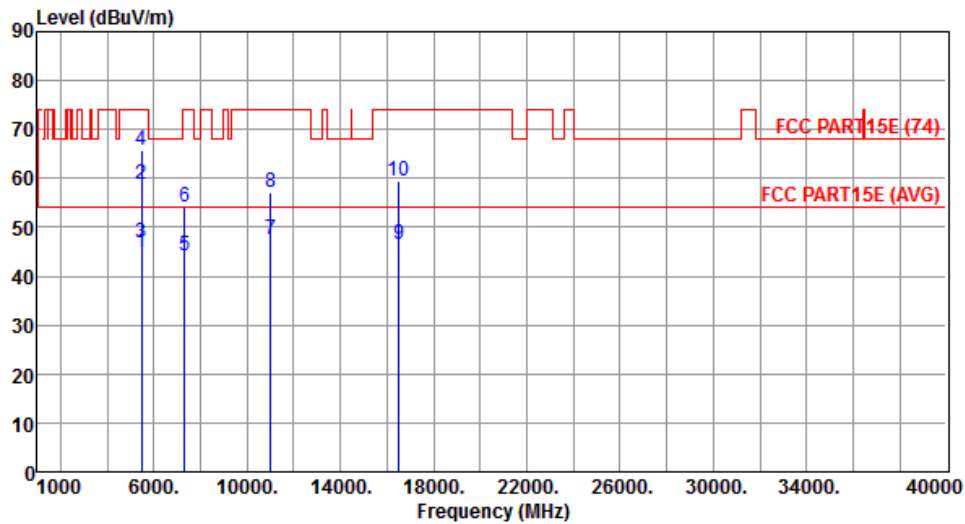
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.06	54.00	-2.94	44.70	6.36	Average	204	356
2	5350.00	67.03	74.00	-6.97	60.67	6.36	Peak	204	356
3	7093.00	58.05	68.20	-10.15	47.71	10.34	Peak	273	181
4	10640.00	49.31	54.00	-4.69	33.19	16.12	Average	293	77
5	10640.00	62.31	74.00	-11.69	46.19	16.12	Peak	293	77
6	15960.00	48.07	54.00	-5.93	31.86	16.21	Average	237	276
7	15960.00	60.23	74.00	-13.77	44.02	16.21	Peak	237	276

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



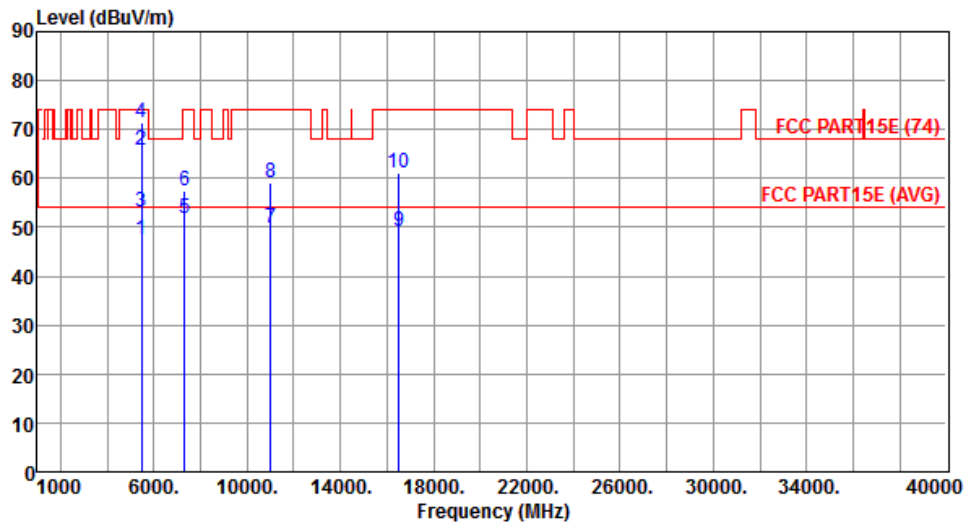
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.87	54.00	-9.13	38.32	6.55	Average	218	325
2	5460.00	58.81	74.00	-15.19	52.26	6.55	Peak	218	325
3	5470.00	46.89	54.00	-7.11	40.33	6.56	Average	218	325
4	5470.00	65.83	74.00	-8.17	59.27	6.56	Peak	218	325
5	7333.33	44.21	54.00	-9.79	33.27	10.94	Average	103	174
6	7333.33	54.22	74.00	-19.78	43.28	10.94	Peak	103	174
7	11000.00	47.36	54.00	-6.64	30.58	16.78	Average	109	221
8	11000.00	57.27	74.00	-16.73	40.49	16.78	Peak	109	221
9	16500.00	46.49	54.00	-7.51	29.35	17.14	Average	100	0
10	16500.00	59.29	74.00	-14.71	42.15	17.14	Peak	100	0

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



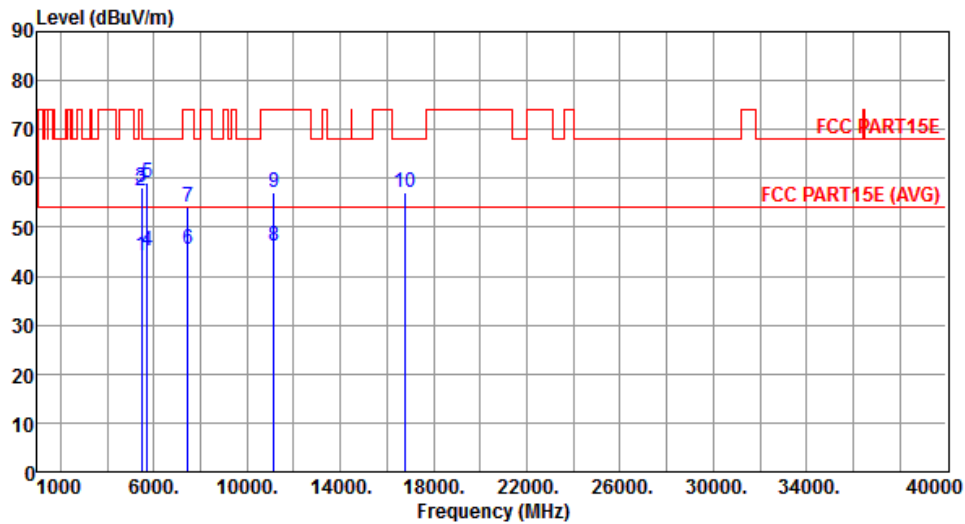
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.48	54.00	-6.52	40.93	6.55	Average	181	15
2	5460.00	65.91	74.00	-8.09	59.36	6.55	Peak	181	15
3	5470.00	53.15	54.00	-0.85	46.59	6.56	Average	181	15
4	5470.00	71.30	74.00	-2.70	64.74	6.56	Peak	181	15
5	7333.33	51.87	54.00	-2.13	40.93	10.94	Average	324	179
6	7333.33	57.40	74.00	-16.60	46.46	10.94	Peak	324	179
7	11000.00	49.81	54.00	-4.19	33.03	16.78	Average	247	243
8	11000.00	59.16	74.00	-14.84	42.38	16.78	Peak	247	243
9	16500.00	49.15	54.00	-4.85	32.01	17.14	Average	255	46
10	16500.00	61.26	74.00	-12.74	44.12	17.14	Peak	255	46

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



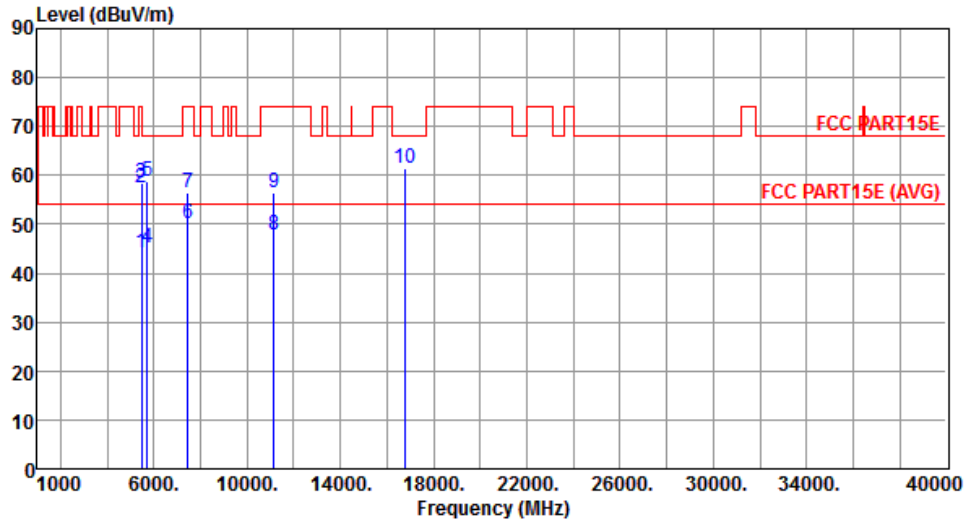
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.12	54.00	-9.88	37.57	6.55	Average	189	294
2	5460.00	57.48	74.00	-16.52	50.93	6.55	Peak	189	294
3	5470.00	58.03	68.20	-10.17	51.47	6.56	Peak	189	294
4	5725.00	45.04	54.00	-8.96	38.13	6.91	Average	189	294
5	5725.00	59.11	68.20	-9.09	52.20	6.91	Peak	189	294
6	7440.00	45.40	54.00	-8.60	34.13	11.27	Average	100	292
7	7440.00	54.30	74.00	-19.70	43.03	11.27	Peak	100	292
8	11160.00	46.13	54.00	-7.87	29.42	16.71	Average	319	234
9	11160.00	57.08	74.00	-16.92	40.37	16.71	Peak	319	234
10	16740.00	57.26	68.20	-10.94	39.78	17.48	Peak	100	16

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



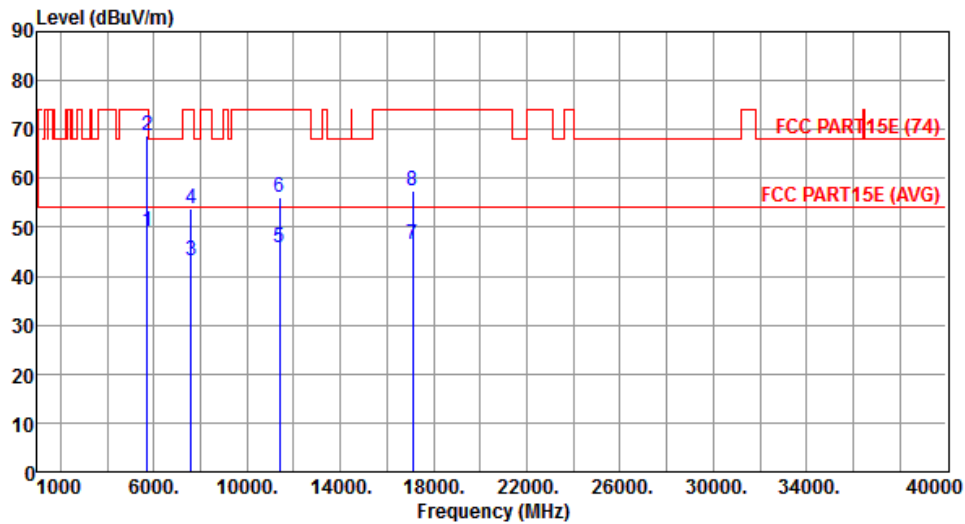
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.18	54.00	-9.82	37.63	6.55	Average	171	27
2	5460.00	57.48	74.00	-16.52	50.93	6.55	Peak	171	27
3	5470.00	58.59	68.20	-9.61	52.03	6.56	Peak	171	27
4	5725.00	45.02	54.00	-8.98	38.11	6.91	Average	171	27
5	5725.00	58.90	68.20	-9.30	51.99	6.91	Peak	171	27
6	7440.00	50.01	54.00	-3.99	38.74	11.27	Average	303	182
7	7440.00	56.41	74.00	-17.59	45.14	11.27	Peak	303	182
8	11160.00	47.67	54.00	-6.33	30.96	16.71	Average	237	223
9	11160.00	56.43	74.00	-17.57	39.72	16.71	Peak	237	223
10	16740.00	61.37	68.20	-6.83	43.89	17.48	Peak	260	78

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



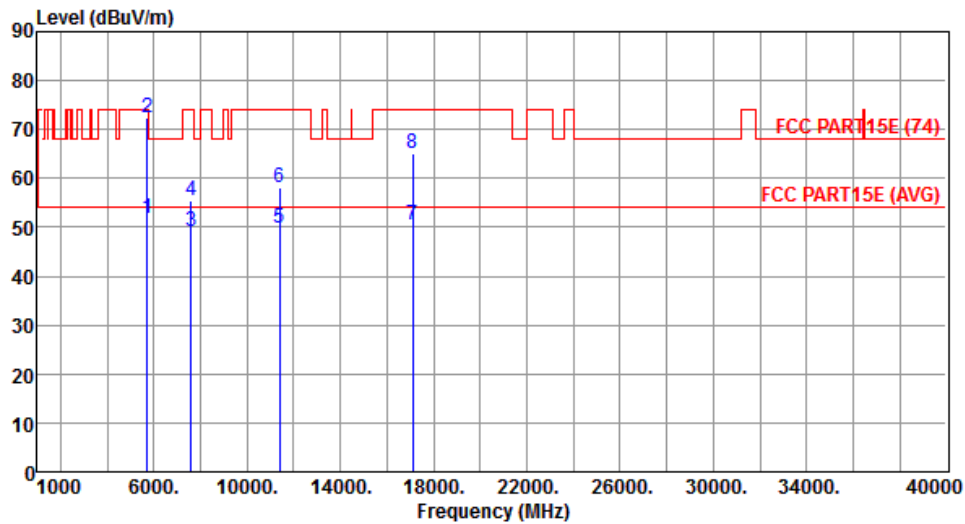
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	49.25	54.00	-4.75	42.34	6.91	Average	241	317
2	5725.00	68.72	74.00	-5.28	61.81	6.91	Peak	241	317
3	7600.00	43.21	54.00	-10.79	31.83	11.38	Average	100	253
4	7600.00	53.70	74.00	-20.30	42.32	11.38	Peak	100	253
5	11400.00	45.75	54.00	-8.25	29.12	16.63	Average	331	221
6	11400.00	56.09	74.00	-17.91	39.46	16.63	Peak	331	221
7	17100.00	46.48	54.00	-7.52	28.33	18.15	Average	100	25
8	17100.00	57.38	74.00	-16.62	39.23	18.15	Peak	100	25

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

*Factor includes antenna factor, cable loss and amplifier gain

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

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



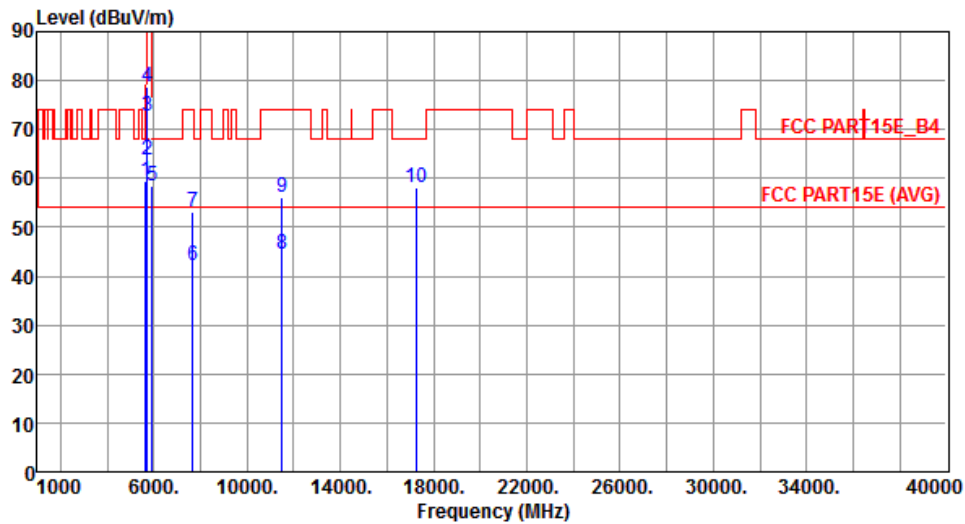
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	51.70	54.00	-2.30	44.79	6.91	Average	224	5
2	5725.00	72.31	74.00	-1.69	65.40	6.91	Peak	224	5
3	7600.00	49.08	54.00	-4.92	37.70	11.38	Average	104	91
4	7600.00	55.46	74.00	-18.54	44.08	11.38	Peak	104	91
5	11400.00	49.66	54.00	-4.34	33.03	16.63	Average	287	241
6	11400.00	58.12	74.00	-15.88	41.49	16.63	Peak	287	241
7	17100.00	50.41	54.00	-3.59	32.26	18.15	Average	254	62
8	17100.00	65.23	74.00	-8.77	47.08	18.15	Peak	254	62

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)	5745
Polarization	Horizontal	Test Configuration	1



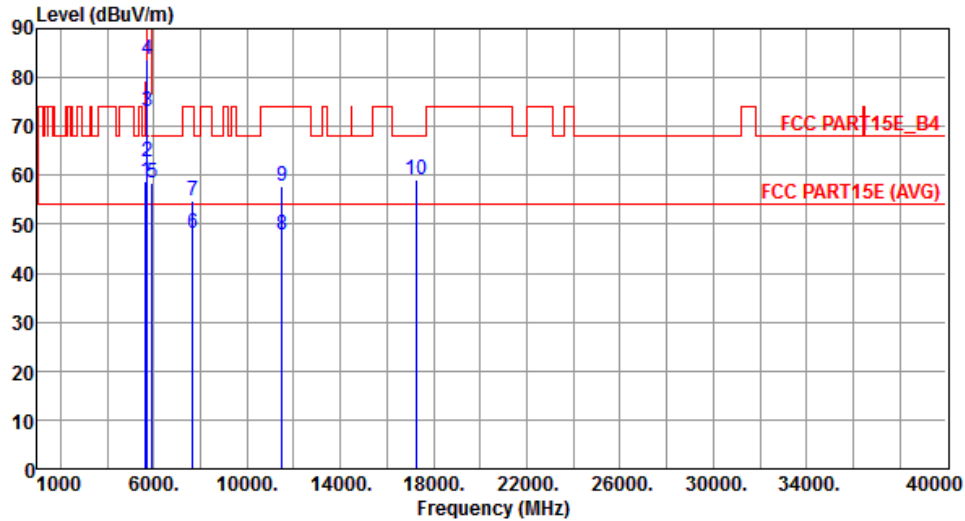
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.33	68.20	-8.87	52.53	6.80	Peak	170	297
2	5700.00	63.83	105.20	-41.37	56.95	6.88	Peak	170	297
3	5720.00	72.62	110.80	-38.18	65.71	6.91	Peak	170	297
4	5725.00	78.85	122.20	-43.35	71.94	6.91	Peak	170	297
5	5925.00	58.30	68.20	-9.90	51.09	7.21	Peak	170	297
6	7660.00	42.20	54.00	-11.80	30.81	11.39	Average	100	340
7	7660.00	53.25	74.00	-20.75	41.86	11.39	Peak	100	340
8	11490.00	44.50	54.00	-9.50	27.91	16.59	Average	100	60
9	11490.00	56.16	74.00	-17.84	39.57	16.59	Peak	100	60
10	17235.00	58.08	68.20	-10.12	39.51	18.57	Peak	100	180

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)	5745
Polarization	Vertical	Test Configuration	1



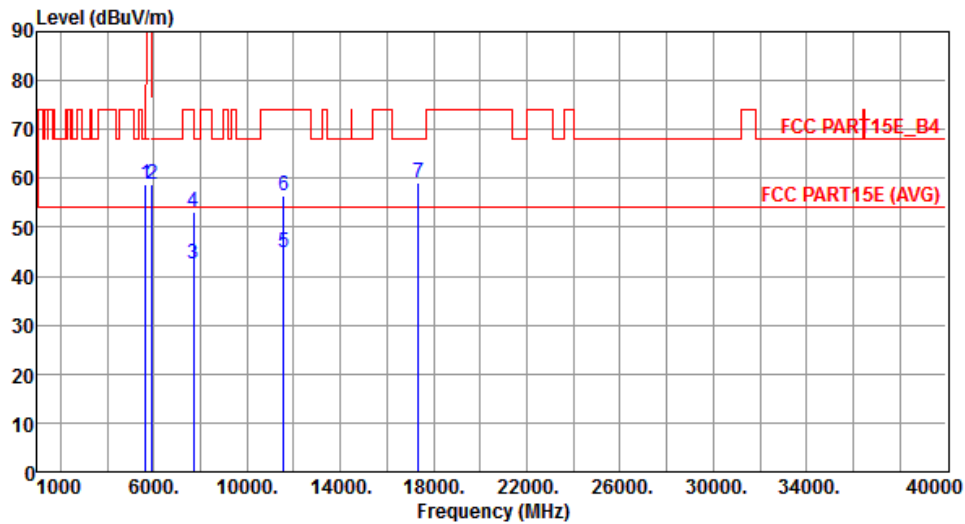
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.66	68.20	-9.54	51.86	6.80	Peak	205	4
2	5700.00	62.62	105.20	-42.58	55.74	6.88	Peak	205	4
3	5720.00	73.10	110.80	-37.70	66.19	6.91	Peak	205	4
4	5725.00	83.71	122.20	-38.49	76.80	6.91	Peak	205	4
5	5925.00	58.48	68.20	-9.72	51.27	7.21	Peak	205	4
6	7660.00	48.12	54.00	-5.88	36.73	11.39	Average	100	99
7	7660.00	54.78	74.00	-19.22	43.39	11.39	Peak	100	99
8	11490.00	47.77	54.00	-6.23	31.18	16.59	Average	225	229
9	11490.00	57.88	74.00	-16.12	41.29	16.59	Peak	225	229
10	17235.00	59.09	68.20	-9.11	40.52	18.57	Peak	238	54

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)	5785
Polarization	Horizontal	Test Configuration	1



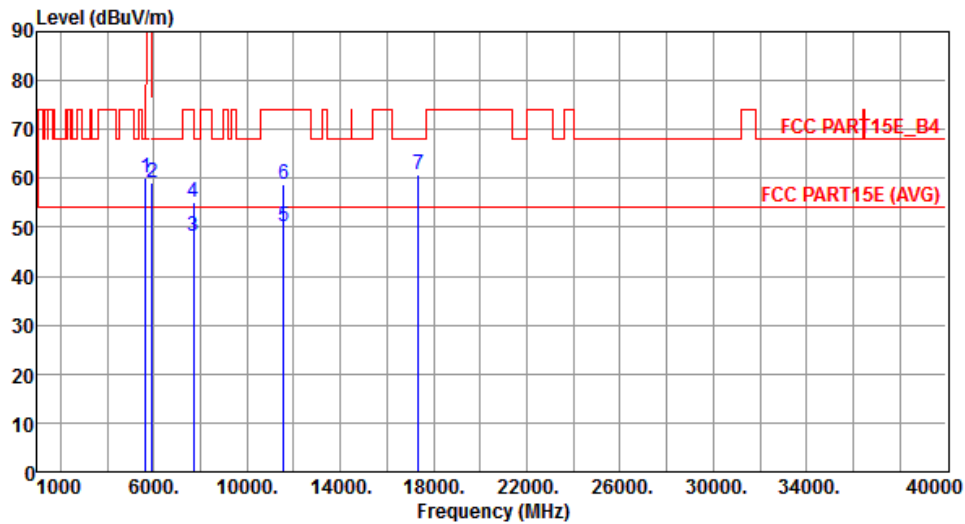
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.78	68.20	-9.42	51.98	6.80	Peak	163	318
2	5925.00	58.73	68.20	-9.47	51.52	7.21	Peak	163	318
3	7713.33	42.35	54.00	-11.65	30.94	11.41	Average	100	329
4	7713.33	53.12	74.00	-20.88	41.71	11.41	Peak	100	329
5	11570.00	44.72	54.00	-9.28	28.23	16.49	Average	100	60
6	11570.00	56.61	74.00	-17.39	40.12	16.49	Peak	100	60
7	17355.00	59.21	68.20	-8.99	40.27	18.94	Peak	100	30

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)	5785
Polarization	Vertical	Test Configuration	1



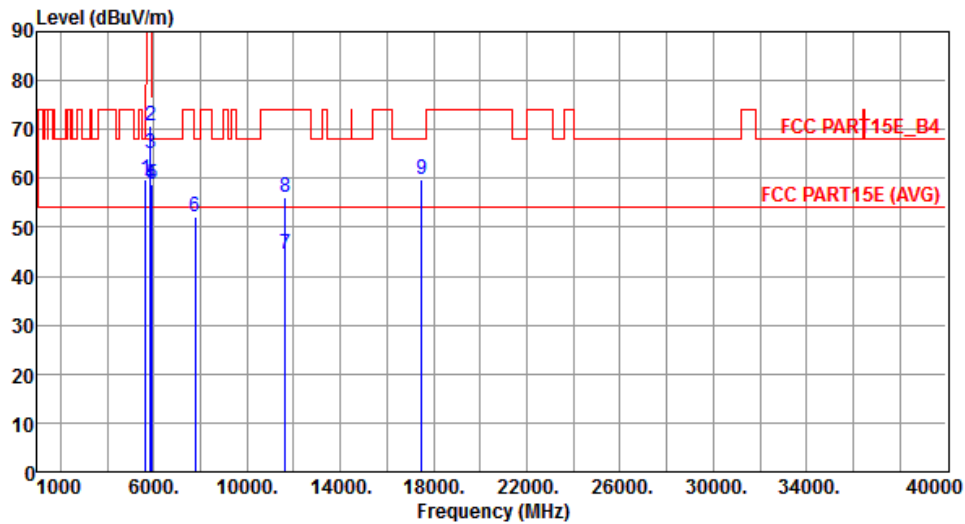
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.18	68.20	-8.02	53.38	6.80	Peak	217	20
2	5925.00	59.01	68.20	-9.19	51.80	7.21	Peak	217	20
3	7713.33	48.30	54.00	-5.70	36.89	11.41	Average	102	94
4	7713.33	55.25	74.00	-18.75	43.84	11.41	Peak	102	94
5	11570.00	50.00	54.00	-4.00	33.51	16.49	Average	297	34
6	11570.00	58.81	74.00	-15.19	42.32	16.49	Peak	297	34
7	17355.00	60.68	68.20	-7.52	41.74	18.94	Peak	269	75

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)	5825
Polarization	Horizontal	Test Configuration	1



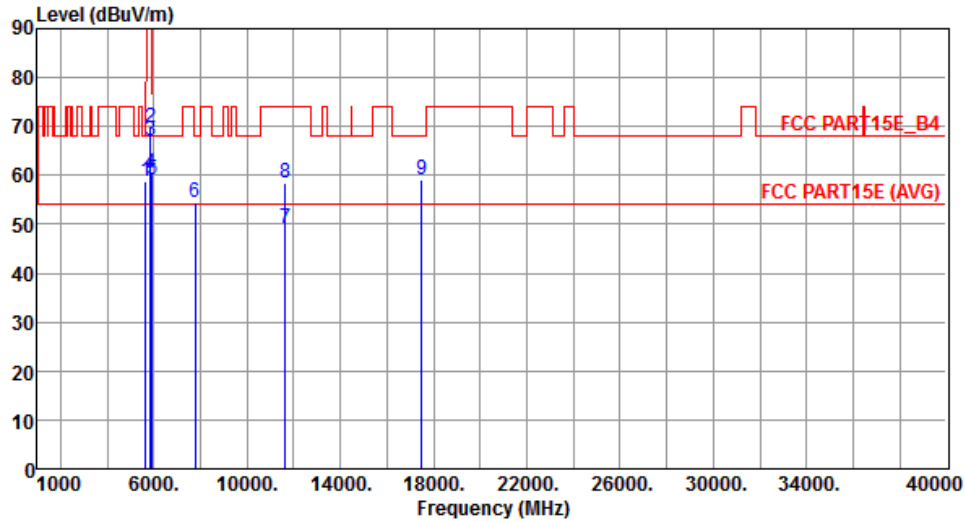
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.92	68.20	-8.28	53.12	6.80	Peak	139	296
2	5850.00	70.69	122.20	-51.51	63.59	7.10	Peak	139	296
3	5855.00	64.95	110.80	-45.85	57.83	7.12	Peak	139	296
4	5875.00	58.66	105.20	-46.54	51.52	7.14	Peak	139	296
5	5925.00	58.89	68.20	-9.31	51.68	7.21	Peak	139	296
6	7766.66	51.99	68.20	-16.21	40.58	11.41	Peak	100	337
7	11650.00	44.60	54.00	-9.40	28.23	16.37	Average	100	200
8	11650.00	56.23	74.00	-17.77	39.86	16.37	Peak	100	200
9	17475.00	59.87	68.20	-8.33	40.55	19.32	Peak	100	55

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)	5825
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	5650.00	58.85	68.20	-9.35	52.05	6.80	Peak	255	26
2	5850.00	69.66	122.20	-52.54	62.56	7.10	Peak	255	26
3	5855.00	67.03	110.80	-43.77	59.91	7.12	Peak	255	26
4	5875.00	60.61	105.20	-44.59	53.47	7.14	Peak	255	26
5	5925.00	59.07	68.20	-9.13	51.86	7.21	Peak	255	26
6	7766.66	54.55	68.20	-13.65	43.14	11.41	Peak	100	99
7	11650.00	49.25	54.00	-4.75	32.88	16.37	Average	215	84
8	11650.00	58.52	74.00	-15.48	42.15	16.37	Peak	215	84
9	17475.00	59.26	68.20	-8.94	39.94	19.32	Peak	100	46

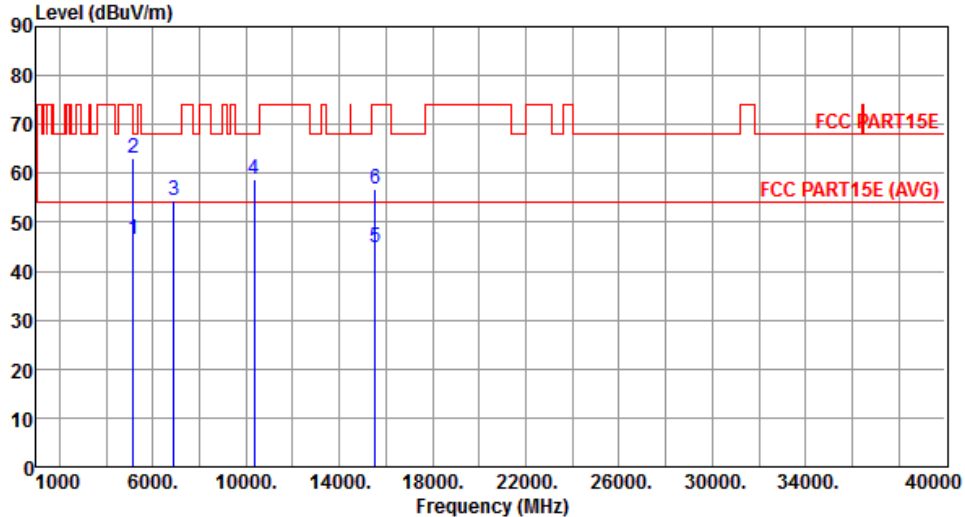
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

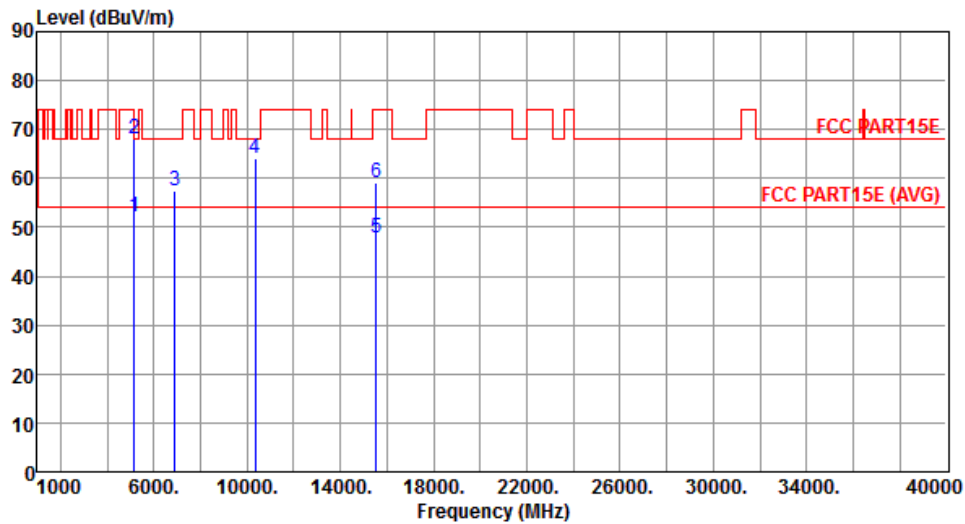
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	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	46.62	54.00	-7.38	40.62	6.00	Average	131	310
2	5150.00	63.05	74.00	-10.95	57.05	6.00	Peak	131	310
3	6907.00	54.48	68.20	-13.72	44.49	9.99	Peak	100	261
4	10360.00	58.66	68.20	-9.54	42.91	15.75	Peak	380	264
5	15540.00	44.78	54.00	-9.22	28.05	16.73	Average	100	36
6	15540.00	56.77	74.00	-17.23	40.04	16.73	Peak	100	36

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



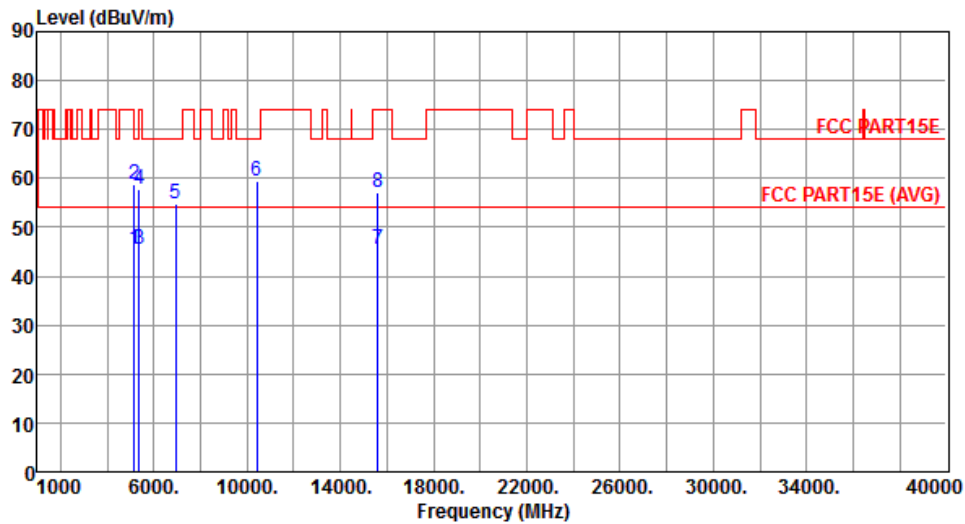
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.12	54.00	-1.88	46.12	6.00	Average	250	14
2	5150.00	68.12	74.00	-5.88	62.12	6.00	Peak	250	14
3	6907.00	57.33	68.20	-10.87	47.34	9.99	Peak	364	206
4	10360.00	64.11	68.20	-4.09	48.36	15.75	Peak	253	74
5	15540.00	47.88	54.00	-6.12	31.15	16.73	Average	263	55
6	15540.00	59.25	74.00	-14.75	42.52	16.73	Peak	263	55

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



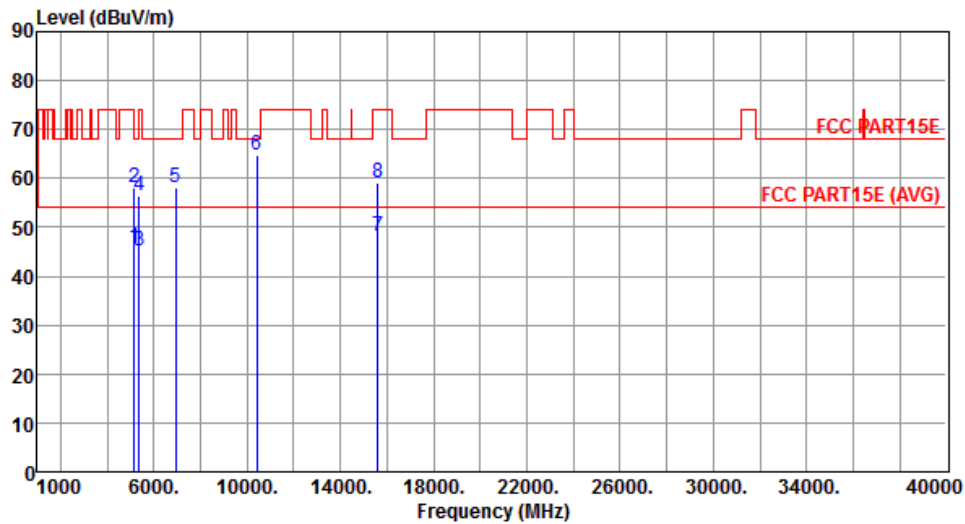
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.62	54.00	-8.38	39.62	6.00	Average	122	311
2	5150.00	58.88	74.00	-15.12	52.88	6.00	Peak	122	311
3	5350.00	45.37	54.00	-8.63	39.01	6.36	Average	122	311
4	5350.00	57.88	74.00	-16.12	51.52	6.36	Peak	122	311
5	6933.00	54.75	68.20	-13.45	44.67	10.08	Peak	100	60
6	10400.00	59.37	68.20	-8.83	43.59	15.78	Peak	369	246
7	15600.00	45.60	54.00	-8.40	28.95	16.65	Average	100	45
8	15600.00	57.14	74.00	-16.86	40.49	16.65	Peak	100	45

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



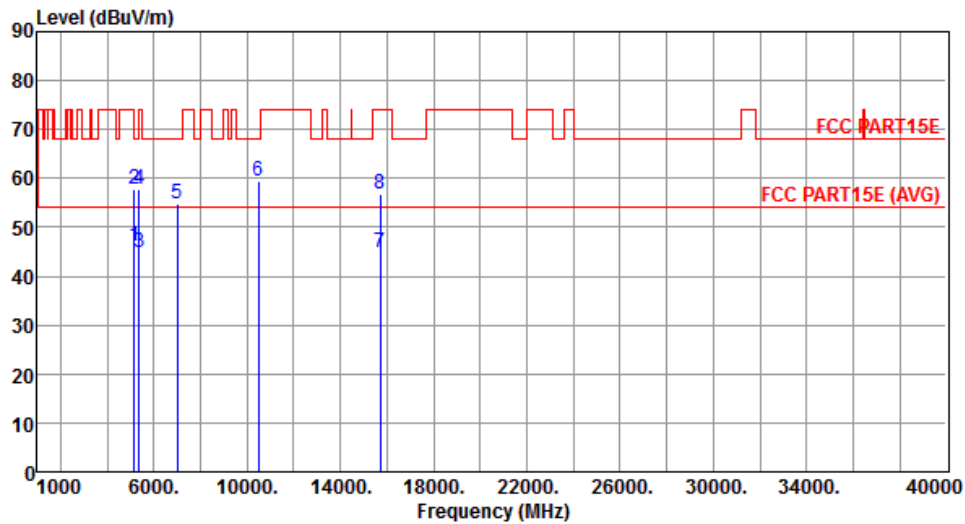
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.95	54.00	-8.05	39.95	6.00	Average	225	11
2	5150.00	58.05	74.00	-15.95	52.05	6.00	Peak	225	11
3	5350.00	45.12	54.00	-8.88	38.76	6.36	Average	225	11
4	5350.00	56.52	74.00	-17.48	50.16	6.36	Peak	225	11
5	6933.00	58.01	68.20	-10.19	47.93	10.08	Peak	371	156
6	10400.00	64.63	68.20	-3.57	48.85	15.78	Peak	227	61
7	15600.00	48.06	54.00	-5.94	31.41	16.65	Average	250	45
8	15600.00	59.03	74.00	-14.97	42.38	16.65	Peak	250	45

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



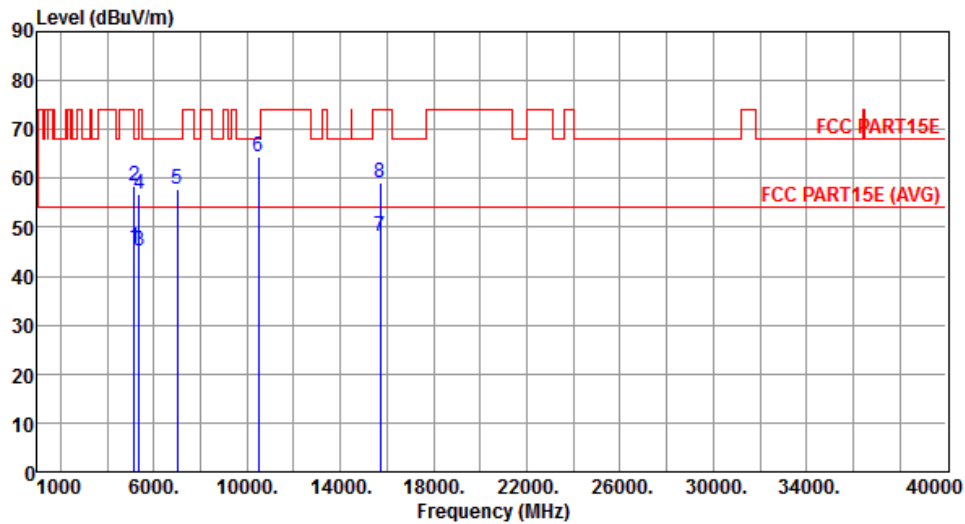
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.16	54.00	-7.84	40.16	6.00	Average	120	313
2	5150.00	57.92	74.00	-16.08	51.92	6.00	Peak	120	313
3	5350.00	44.85	54.00	-9.15	38.49	6.36	Average	120	313
4	5350.00	57.82	74.00	-16.18	51.46	6.36	Peak	120	313
5	6986.66	54.75	68.20	-13.45	44.48	10.27	Peak	105	59
6	10480.00	59.31	68.20	-8.89	43.48	15.83	Peak	371	250
7	15720.00	44.89	54.00	-9.11	28.38	16.51	Average	100	51
8	15720.00	56.85	74.00	-17.15	40.34	16.51	Peak	100	51

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



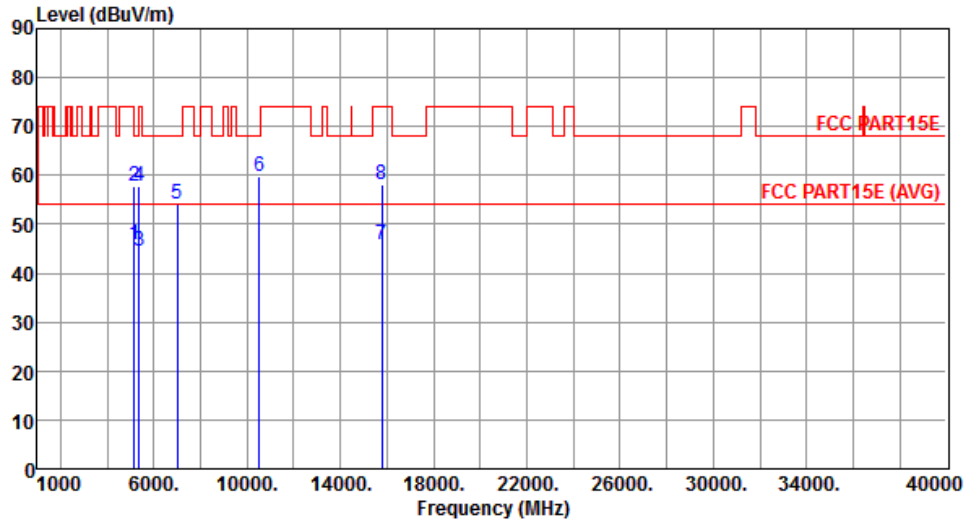
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.91	54.00	-8.09	39.91	6.00	Average	172	21
2	5150.00	58.41	74.00	-15.59	52.41	6.00	Peak	172	21
3	5350.00	45.21	54.00	-8.79	38.85	6.36	Average	172	21
4	5350.00	56.72	74.00	-17.28	50.36	6.36	Peak	172	21
5	6986.66	57.68	68.20	-10.52	47.41	10.27	Peak	351	172
6	10480.00	64.56	68.20	-3.64	48.73	15.83	Peak	201	62
7	15720.00	48.14	54.00	-5.86	31.63	16.51	Average	225	64
8	15720.00	59.10	74.00	-14.90	42.59	16.51	Peak	225	64

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)	5260
Polarization	Horizontal	Test Configuration	1



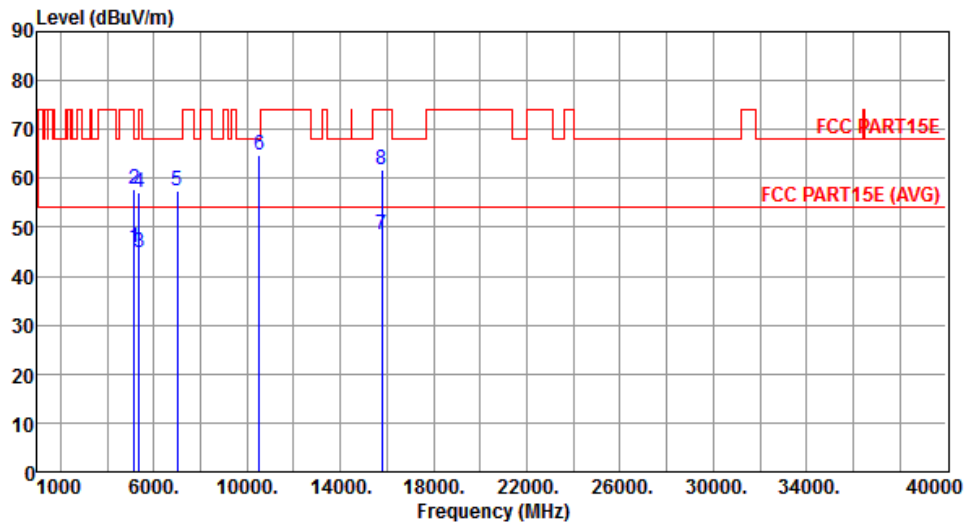
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.67	54.00	-8.33	39.67	6.00	Average	216	303
2	5150.00	57.80	74.00	-16.20	51.80	6.00	Peak	216	303
3	5350.00	44.36	54.00	-9.64	38.00	6.36	Average	216	303
4	5350.00	57.68	74.00	-16.32	51.32	6.36	Peak	216	303
5	7013.00	53.97	68.20	-14.23	43.65	10.32	Peak	100	84
6	10520.00	59.64	68.20	-8.56	43.76	15.88	Peak	368	218
7	15780.00	45.92	54.00	-8.08	29.49	16.43	Average	100	35
8	15780.00	58.16	74.00	-15.84	41.73	16.43	Peak	100	35

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)	5260
Polarization	Vertical	Test Configuration	1



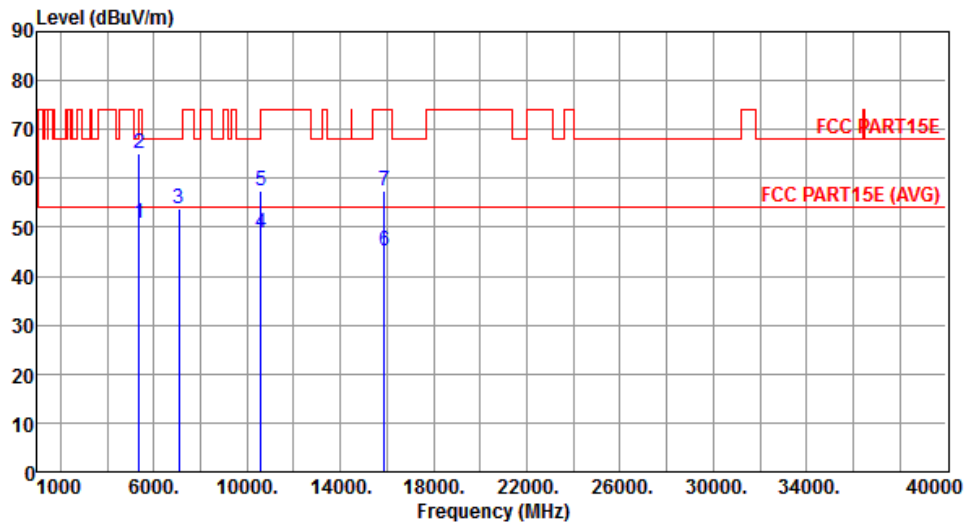
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.75	54.00	-8.25	39.75	6.00	Average	220	8
2	5150.00	57.81	74.00	-16.19	51.81	6.00	Peak	220	8
3	5350.00	44.83	54.00	-9.17	38.47	6.36	Average	220	8
4	5350.00	57.14	74.00	-16.86	50.78	6.36	Peak	220	8
5	7013.00	57.61	68.20	-10.59	47.29	10.32	Peak	361	185
6	10520.00	64.79	68.20	-3.41	48.91	15.88	Peak	286	108
7	15780.00	48.57	54.00	-5.43	32.14	16.43	Average	251	49
8	15780.00	61.69	74.00	-12.31	45.26	16.43	Peak	251	49

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)	5300
Polarization	Horizontal	Test Configuration	1



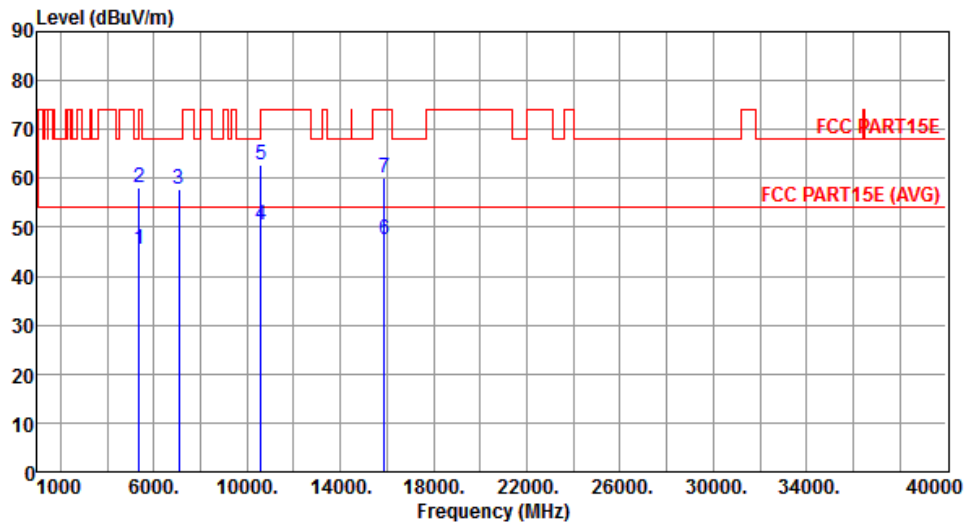
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	50.95	54.00	-3.05	44.59	6.36	Average	130	311
2	5350.00	65.00	74.00	-9.00	58.64	6.36	Peak	130	311
3	7066.66	53.92	68.20	-14.28	43.59	10.33	Peak	116	78
4	10600.00	48.98	54.00	-5.02	32.95	16.03	Average	364	233
5	10600.00	57.56	74.00	-16.44	41.53	16.03	Peak	364	233
6	15900.00	45.03	54.00	-8.97	28.74	16.29	Average	223	281
7	15900.00	57.38	74.00	-16.62	41.09	16.29	Peak	223	281

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)	5300
Polarization	Vertical	Test Configuration	1



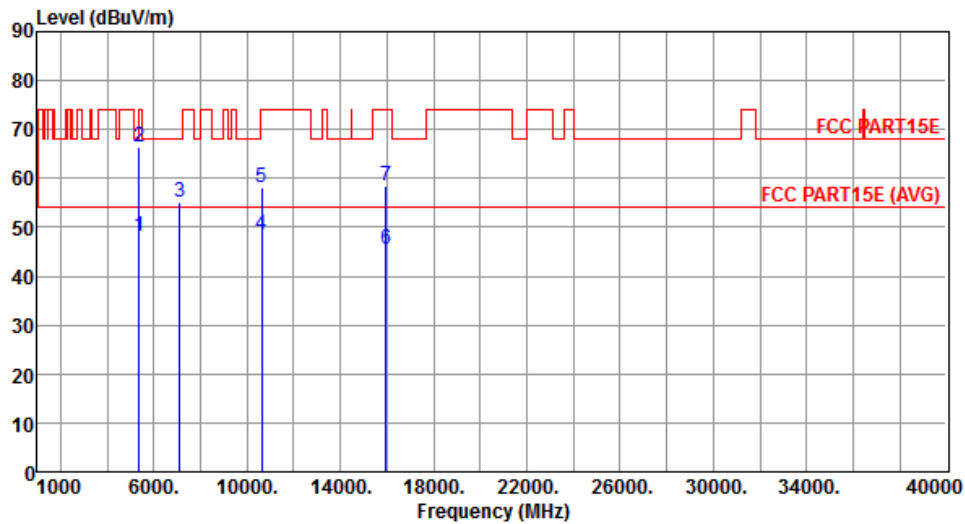
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.41	54.00	-8.59	39.05	6.36	Average	225	34
2	5350.00	58.15	74.00	-15.85	51.79	6.36	Peak	225	34
3	7066.66	57.69	68.20	-10.51	47.36	10.33	Peak	361	184
4	10600.00	50.34	54.00	-3.66	34.31	16.03	Average	292	112
5	10600.00	62.82	74.00	-11.18	46.79	16.03	Peak	292	112
6	15900.00	47.45	54.00	-6.55	31.16	16.29	Average	228	291
7	15900.00	59.95	74.00	-14.05	43.66	16.29	Peak	228	291

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)	5320
Polarization	Horizontal	Test Configuration	1



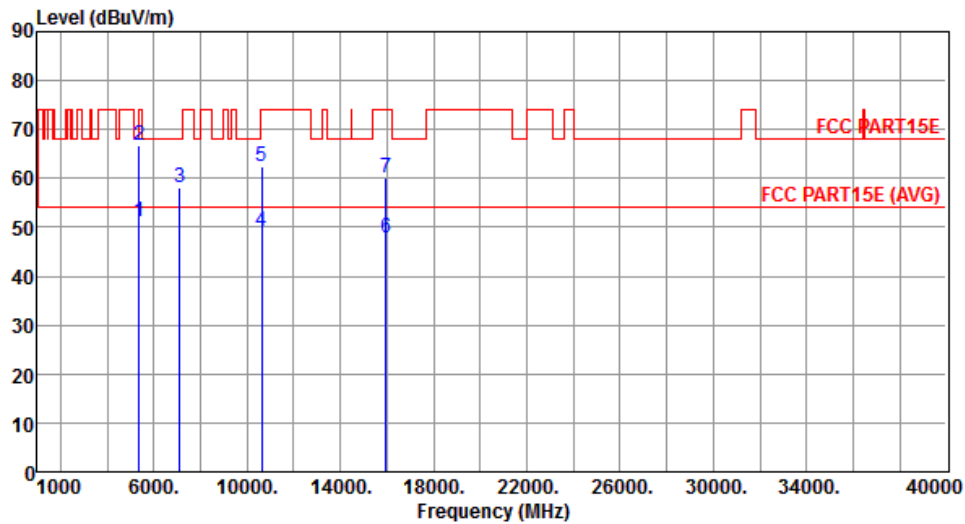
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.08	54.00	-5.92	41.72	6.36	Average	225	287
2	5350.00	66.41	74.00	-7.59	60.05	6.36	Peak	225	287
3	7093.00	55.09	68.20	-13.11	44.75	10.34	Peak	100	318
4	10640.00	48.37	54.00	-5.63	32.25	16.12	Average	348	236
5	10640.00	58.24	74.00	-15.76	42.12	16.12	Peak	348	236
6	15960.00	45.53	54.00	-8.47	29.32	16.21	Average	242	278
7	15960.00	58.38	74.00	-15.62	42.17	16.21	Peak	242	278

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)	5320
Polarization	Vertical	Test Configuration	1



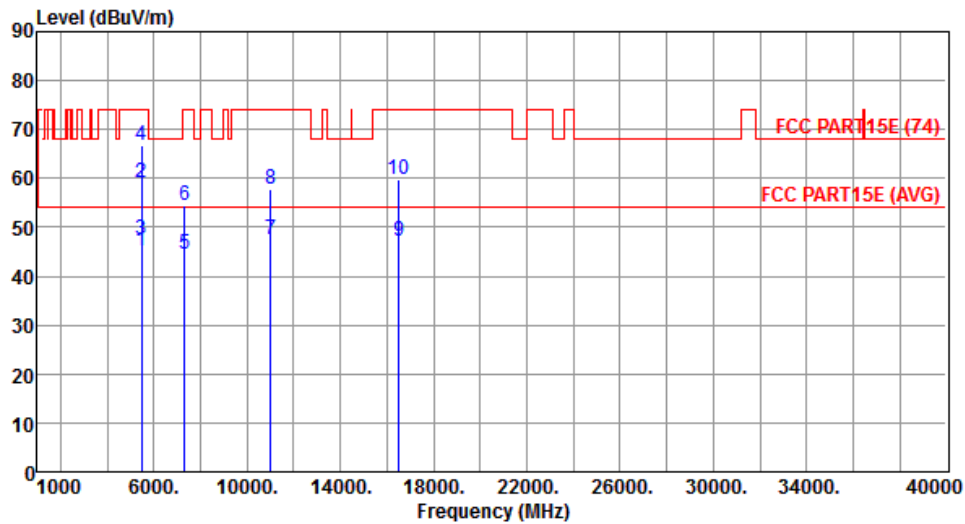
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	50.99	54.00	-3.01	44.63	6.36	Average	232	269
2	5350.00	66.85	74.00	-7.15	60.49	6.36	Peak	232	269
3	7093.00	58.22	68.20	-9.98	47.88	10.34	Peak	282	173
4	10640.00	49.23	54.00	-4.77	33.11	16.12	Average	304	110
5	10640.00	62.41	74.00	-11.59	46.29	16.12	Peak	304	110
6	15960.00	47.96	54.00	-6.04	31.75	16.21	Average	227	283
7	15960.00	60.07	74.00	-13.93	43.86	16.21	Peak	227	283

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)	5500
Polarization	Horizontal	Test Configuration	1



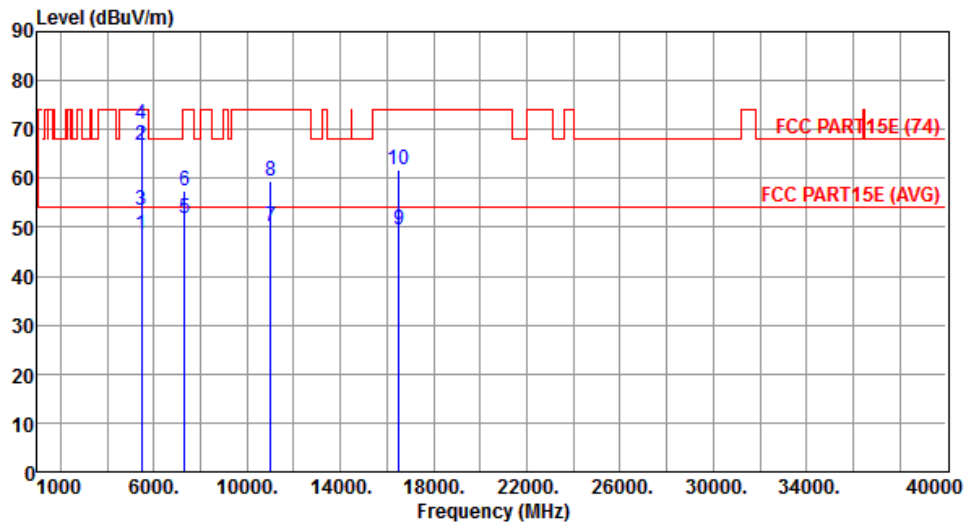
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.30	54.00	-8.70	38.75	6.55	Average	210	311
2	5460.00	59.12	74.00	-14.88	52.57	6.55	Peak	210	311
3	5470.00	47.41	54.00	-6.59	40.85	6.56	Average	210	311
4	5470.00	66.69	74.00	-7.31	60.13	6.56	Peak	210	311
5	7333.33	44.41	54.00	-9.59	33.47	10.94	Average	100	158
6	7333.33	54.39	74.00	-19.61	43.45	10.94	Peak	100	158
7	11000.00	47.44	54.00	-6.56	30.66	16.78	Average	100	245
8	11000.00	57.73	74.00	-16.27	40.95	16.78	Peak	100	245
9	16500.00	47.16	54.00	-6.84	30.02	17.14	Average	100	88
10	16500.00	59.66	74.00	-14.34	42.52	17.14	Peak	100	88

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)	5500
Polarization	Vertical	Test Configuration	1



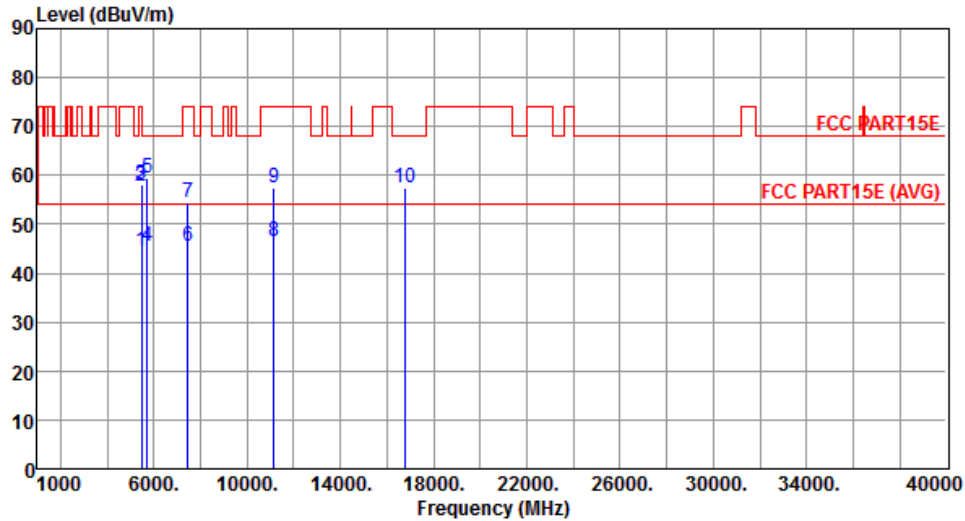
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.53	54.00	-5.47	41.98	6.55	Average	202	2
2	5460.00	66.65	74.00	-7.35	60.10	6.55	Peak	202	2
3	5470.00	53.56	54.00	-0.44	47.00	6.56	Average	202	2
4	5470.00	71.06	74.00	-2.94	64.50	6.56	Peak	202	2
5	7333.33	51.79	54.00	-2.21	40.85	10.94	Average	338	186
6	7333.33	57.49	74.00	-16.51	46.55	10.94	Peak	338	186
7	11000.00	50.03	54.00	-3.97	33.25	16.78	Average	233	251
8	11000.00	59.32	74.00	-14.68	42.54	16.78	Peak	233	251
9	16500.00	49.54	54.00	-4.46	32.40	17.14	Average	266	78
10	16500.00	61.73	74.00	-12.27	44.59	17.14	Peak	266	78

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)	5580
Polarization	Horizontal	Test Configuration	1



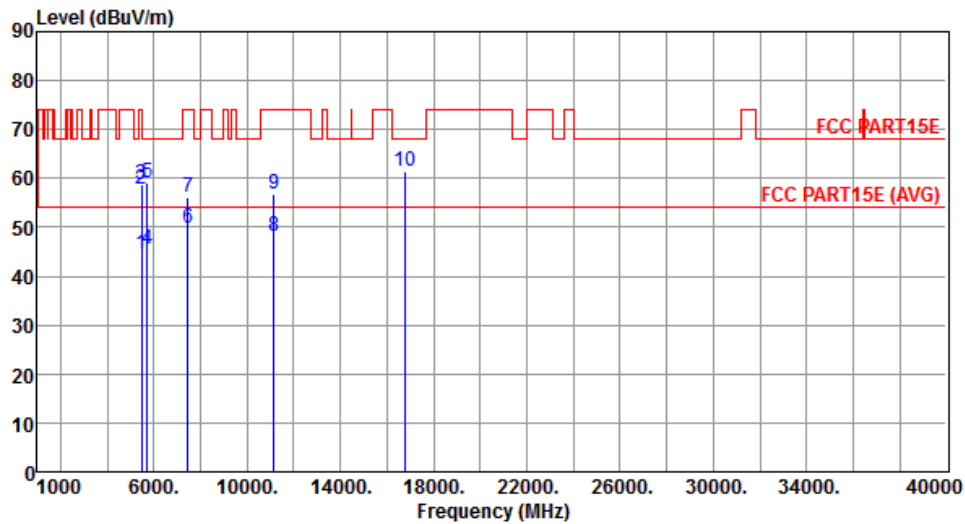
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.50	54.00	-9.50	37.95	6.55	Average	196	314
2	5460.00	57.79	74.00	-16.21	51.24	6.55	Peak	196	314
3	5470.00	58.18	68.20	-10.02	51.62	6.56	Peak	196	314
4	5725.00	45.46	54.00	-8.54	38.55	6.91	Average	196	314
5	5725.00	59.52	68.20	-8.68	52.61	6.91	Peak	196	314
6	7440.00	45.41	54.00	-8.59	34.14	11.27	Average	100	312
7	7440.00	54.36	74.00	-19.64	43.09	11.27	Peak	100	312
8	11160.00	46.42	54.00	-7.58	29.71	16.71	Average	322	255
9	11160.00	57.33	74.00	-16.67	40.62	16.71	Peak	322	255
10	16740.00	57.43	68.20	-10.77	39.95	17.48	Peak	100	26

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)	5580
Polarization	Vertical	Test Configuration	1



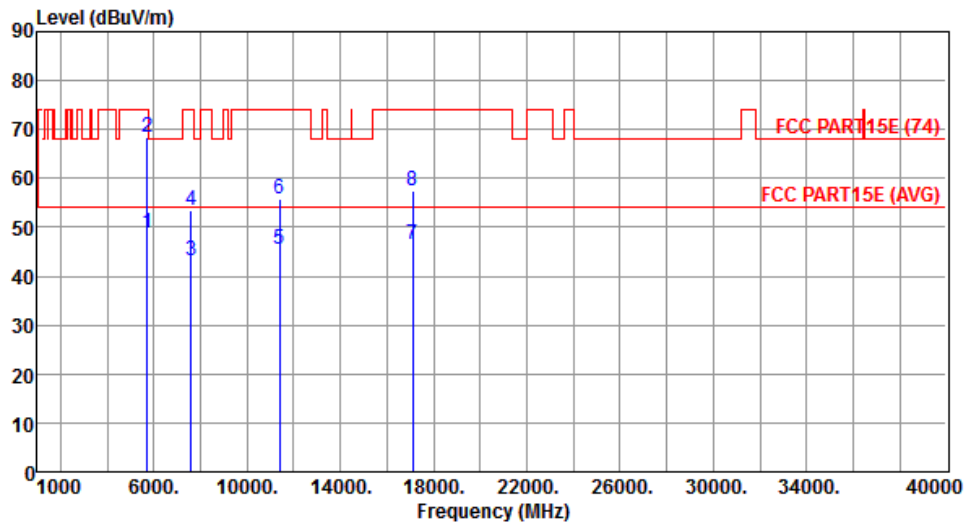
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.38	54.00	-9.62	37.83	6.55	Average	182	32
2	5460.00	57.62	74.00	-16.38	51.07	6.55	Peak	182	32
3	5470.00	58.75	68.20	-9.45	52.19	6.56	Peak	182	32
4	5725.00	45.46	54.00	-8.54	38.55	6.91	Average	182	32
5	5725.00	59.21	68.20	-8.99	52.30	6.91	Peak	182	32
6	7440.00	49.80	54.00	-4.20	38.53	11.27	Average	285	174
7	7440.00	56.03	74.00	-17.97	44.76	11.27	Peak	285	174
8	11160.00	48.08	54.00	-5.92	31.37	16.71	Average	228	215
9	11160.00	56.75	74.00	-17.25	40.04	16.71	Peak	228	215
10	16740.00	61.54	68.20	-6.66	44.06	17.48	Peak	148	95

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)	5700
Polarization	Horizontal	Test Configuration	1



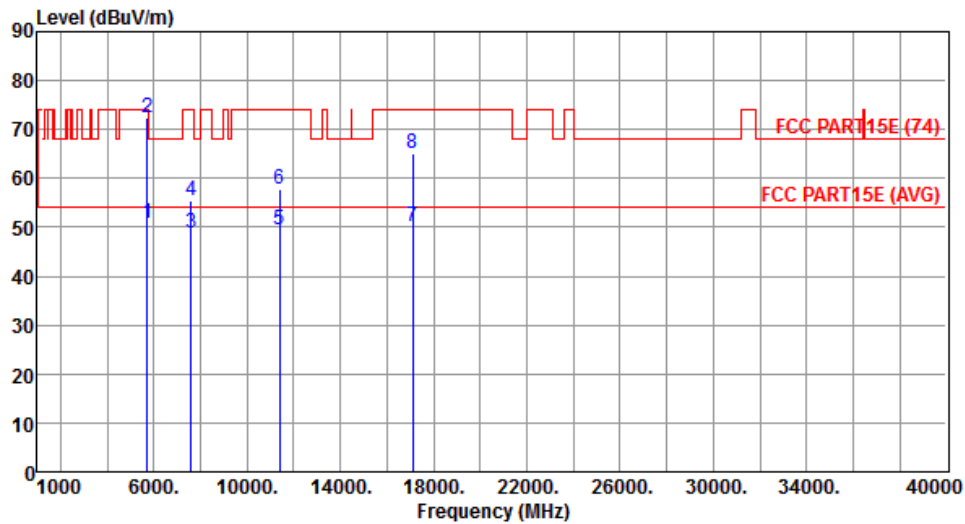
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	48.98	54.00	-5.02	42.07	6.91	Average	238	305
2	5725.00	68.49	74.00	-5.51	61.58	6.91	Peak	238	305
3	7600.00	43.12	54.00	-10.88	31.74	11.38	Average	100	244
4	7600.00	53.52	74.00	-20.48	42.14	11.38	Peak	100	244
5	11400.00	45.66	54.00	-8.34	29.03	16.63	Average	319	233
6	11400.00	55.96	74.00	-18.04	39.33	16.63	Peak	319	233
7	17100.00	46.62	54.00	-7.38	28.47	18.15	Average	100	42
8	17100.00	57.29	74.00	-16.71	39.14	18.15	Peak	100	42

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)	5700
Polarization	Vertical	Test Configuration	1



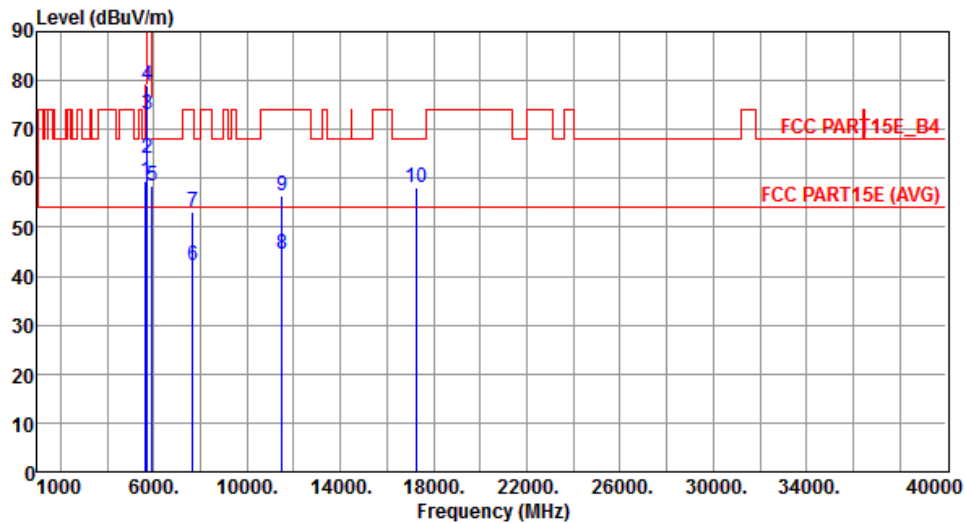
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	50.93	54.00	-3.07	44.02	6.91	Average	239	25
2	5725.00	72.46	74.00	-1.54	65.55	6.91	Peak	239	25
3	7600.00	48.97	54.00	-5.03	37.59	11.38	Average	112	115
4	7600.00	55.30	74.00	-18.70	43.92	11.38	Peak	112	115
5	11400.00	49.49	54.00	-4.51	32.86	16.63	Average	271	253
6	11400.00	57.86	74.00	-16.14	41.23	16.63	Peak	271	253
7	17100.00	50.11	54.00	-3.89	31.96	18.15	Average	246	82
8	17100.00	65.03	74.00	-8.97	46.88	18.15	Peak	246	82

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)	5745
Polarization	Horizontal	Test Configuration	1



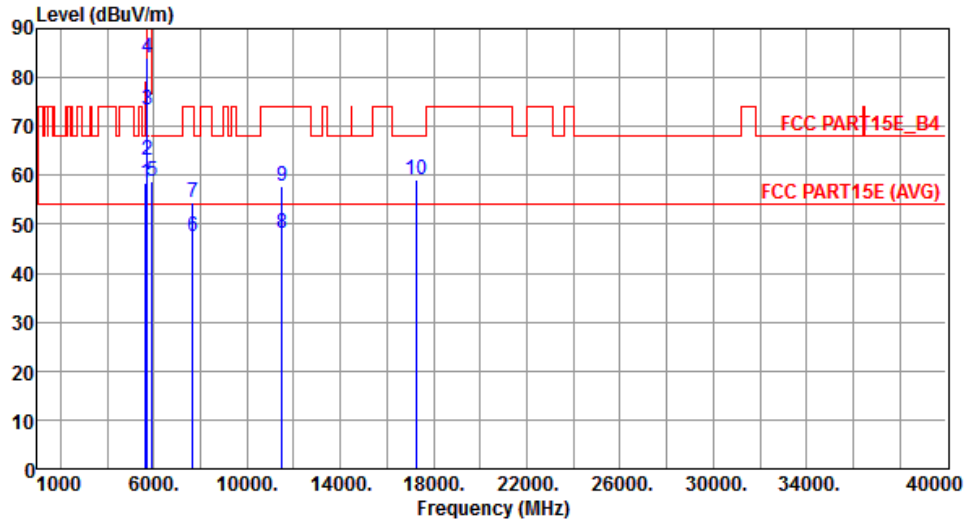
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.47	68.20	-8.73	52.67	6.80	Peak	172	299
2	5700.00	64.00	105.20	-41.20	57.12	6.88	Peak	172	299
3	5720.00	72.93	110.80	-37.87	66.02	6.91	Peak	172	299
4	5725.00	79.11	122.20	-43.09	72.20	6.91	Peak	172	299
5	5925.00	58.43	68.20	-9.77	51.22	7.21	Peak	172	299
6	7660.00	42.04	54.00	-11.96	30.65	11.39	Average	100	330
7	7660.00	53.23	74.00	-20.77	41.84	11.39	Peak	100	330
8	11490.00	44.42	54.00	-9.58	27.83	16.59	Average	100	25
9	11490.00	56.44	74.00	-17.56	39.85	16.59	Peak	100	25
10	17235.00	58.24	68.20	-9.96	39.67	18.57	Peak	100	90

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)	5745
Polarization	Vertical	Test Configuration	1



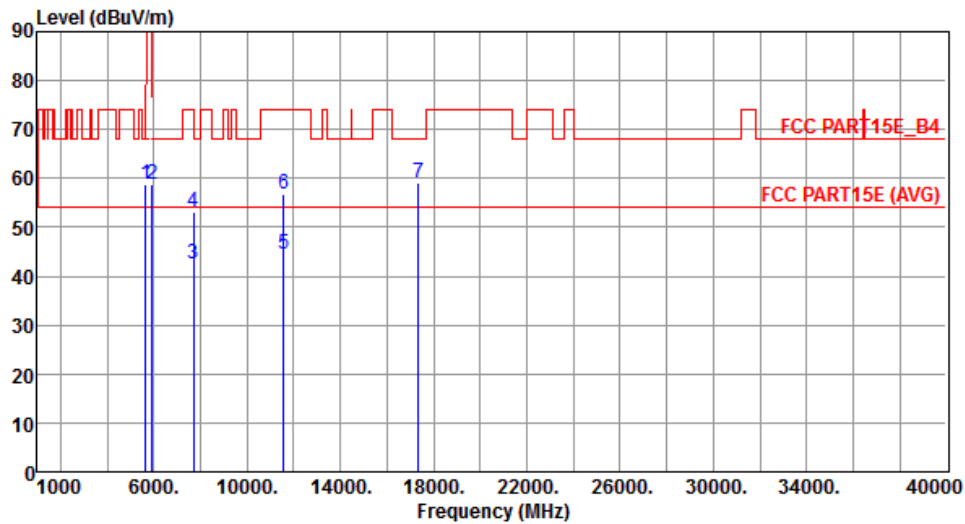
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.57	68.20	-9.63	51.77	6.80	Peak	202	9
2	5700.00	63.00	105.20	-42.20	56.12	6.88	Peak	202	9
3	5720.00	73.32	110.80	-37.48	66.41	6.91	Peak	202	9
4	5725.00	84.03	122.20	-38.17	77.12	6.91	Peak	202	9
5	5925.00	58.62	68.20	-9.58	51.41	7.21	Peak	202	9
6	7660.00	47.59	54.00	-6.41	36.20	11.39	Average	110	64
7	7660.00	54.60	74.00	-19.40	43.21	11.39	Peak	110	64
8	11490.00	48.02	54.00	-5.98	31.43	16.59	Average	225	239
9	11490.00	57.63	74.00	-16.37	41.04	16.59	Peak	225	239
10	17235.00	58.98	68.20	-9.22	40.41	18.57	Peak	235	57

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)	5785
Polarization	Horizontal	Test Configuration	1



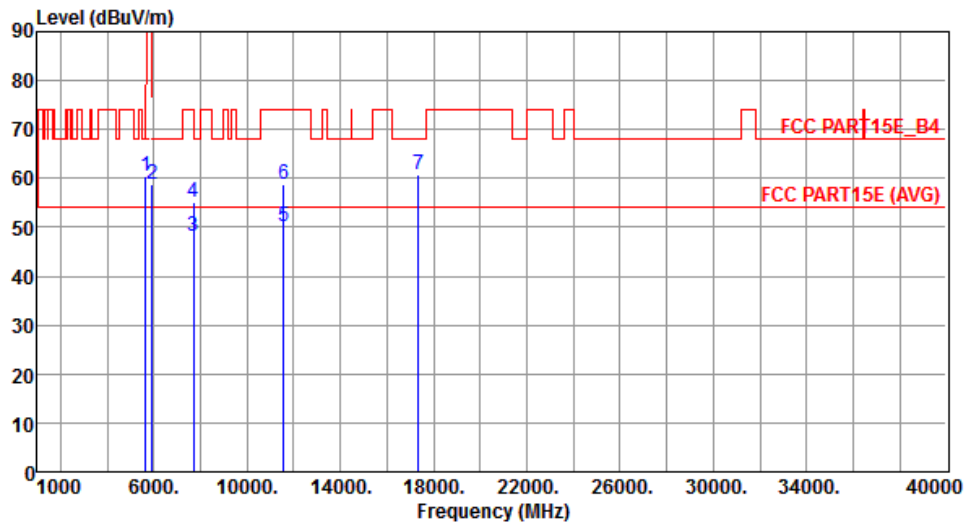
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.82	68.20	-9.38	52.02	6.80	Peak	162	315
2	5925.00	58.95	68.20	-9.25	51.74	7.21	Peak	162	315
3	7713.00	42.53	54.00	-11.47	31.12	11.41	Average	100	325
4	7713.00	53.09	74.00	-20.91	41.68	11.41	Peak	100	325
5	11570.00	44.64	54.00	-9.36	28.15	16.49	Average	100	55
6	11570.00	56.70	74.00	-17.30	40.21	16.49	Peak	100	55
7	17355.00	59.23	68.20	-8.97	40.29	18.94	Peak	100	90

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)	5785
Polarization	Vertical	Test Configuration	1



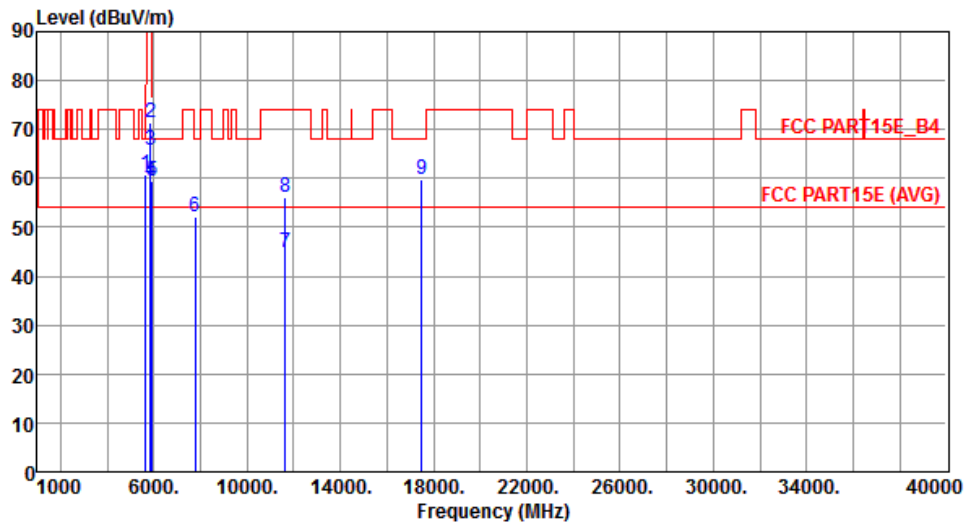
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.34	68.20	-7.86	53.54	6.80	Peak	215	18
2	5925.00	58.87	68.20	-9.33	51.66	7.21	Peak	215	18
3	7713.00	48.26	54.00	-5.74	36.85	11.41	Average	105	90
4	7713.00	55.20	74.00	-18.80	43.79	11.41	Peak	105	90
5	11570.00	50.15	54.00	-3.85	33.66	16.49	Average	300	32
6	11570.00	58.94	74.00	-15.06	42.45	16.49	Peak	300	32
7	17355.00	60.86	68.20	-7.34	41.92	18.94	Peak	265	73

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)	5825
Polarization	Horizontal	Test Configuration	1



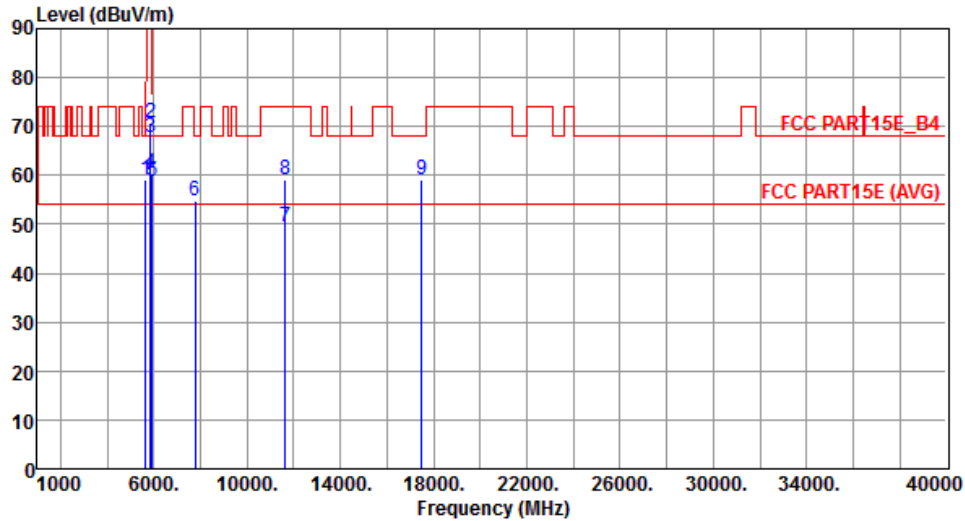
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.68	68.20	-7.52	53.88	6.80	Peak	135	294
2	5850.00	71.48	122.20	-50.72	64.38	7.10	Peak	135	294
3	5855.00	65.66	110.80	-45.14	58.54	7.12	Peak	135	294
4	5875.00	59.37	105.20	-45.83	52.23	7.14	Peak	135	294
5	5925.00	59.53	68.20	-8.67	52.32	7.21	Peak	135	294
6	7766.66	52.27	68.20	-15.93	40.86	11.41	Peak	100	334
7	11650.00	44.68	54.00	-9.32	28.31	16.37	Average	100	150
8	11650.00	56.26	74.00	-17.74	39.89	16.37	Peak	100	150
9	17475.00	59.72	68.20	-8.48	40.40	19.32	Peak	100	70

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)	5825
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	5650.00	59.25	68.20	-8.95	52.45	6.80	Peak	253	30
2	5850.00	70.57	122.20	-51.63	63.47	7.10	Peak	253	30
3	5855.00	67.61	110.80	-43.19	60.49	7.12	Peak	253	30
4	5875.00	60.35	105.20	-44.85	53.21	7.14	Peak	253	30
5	5925.00	58.87	68.20	-9.33	51.66	7.21	Peak	253	30
6	7766.66	54.67	68.20	-13.53	43.26	11.41	Peak	240	95
7	11650.00	49.38	54.00	-4.62	33.01	16.37	Average	213	82
8	11650.00	59.02	74.00	-14.98	42.65	16.37	Peak	213	82
9	17475.00	59.19	68.20	-9.01	39.87	19.32	Peak	100	50

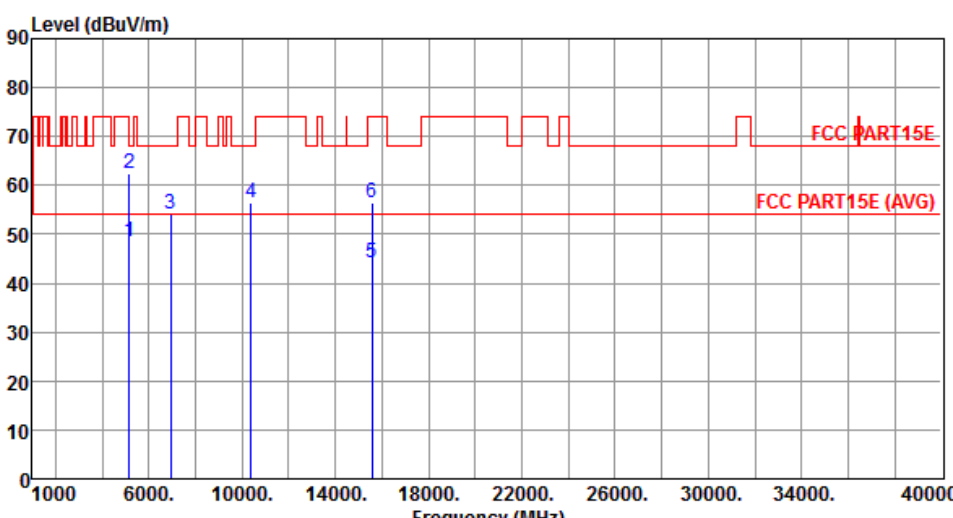
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

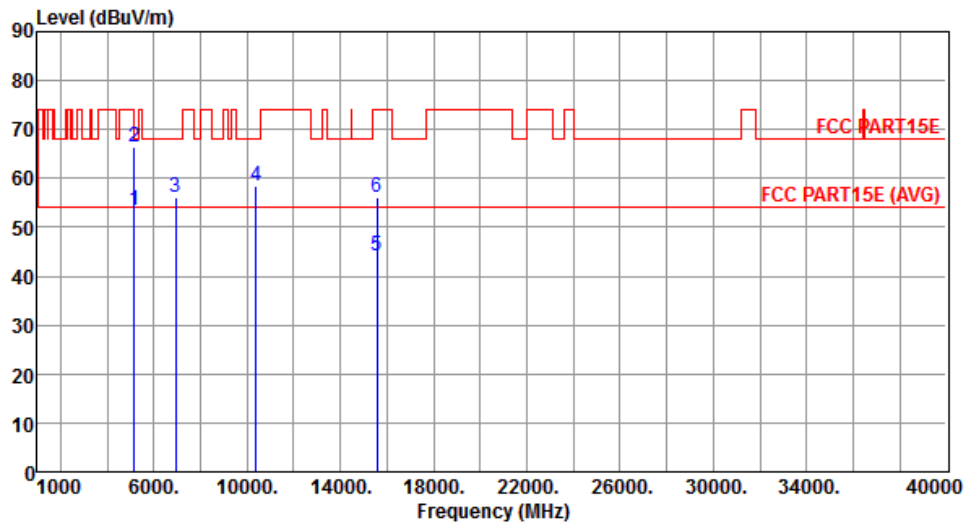
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	1



	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	48.53	54.00	-5.47	42.53	6.00	Average	171	288
2	5150.00	62.43	74.00	-11.57	56.43	6.00	Peak	171	288
3	6920.00	54.19	68.20	-14.01	44.15	10.04	Peak	100	62
4	10380.00	56.58	68.20	-11.62	40.82	15.76	Peak	115	106
5	15570.00	44.33	54.00	-9.67	27.64	16.69	Average	100	220
6	15570.00	56.34	74.00	-17.66	39.65	16.69	Peak	100	220

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



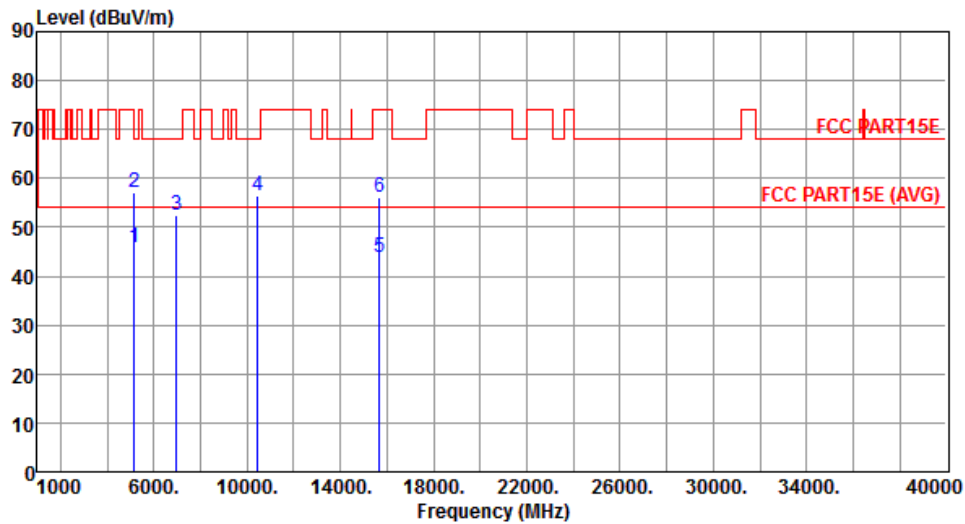
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.46	54.00	-0.54	47.46	6.00	Average	280	19
2	5150.00	66.49	74.00	-7.51	60.49	6.00	Peak	280	19
3	6920.00	56.26	68.20	-11.94	46.22	10.04	Peak	363	221
4	10380.00	58.29	68.20	-9.91	42.53	15.76	Peak	275	108
5	15570.00	44.33	54.00	-9.67	27.64	16.69	Average	100	90
6	15570.00	56.24	74.00	-17.76	39.55	16.69	Peak	100	90

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



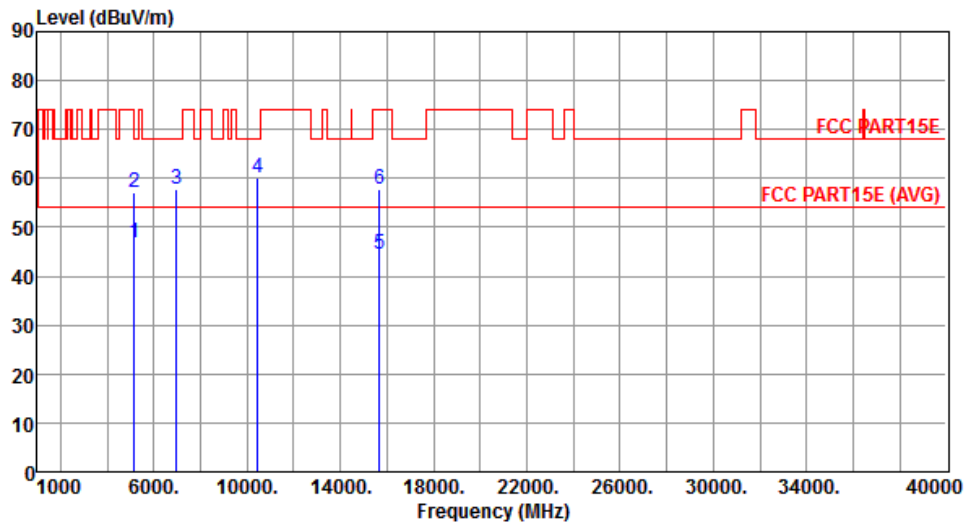
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.79	54.00	-8.21	39.79	6.00	Average	116	297
2	5150.00	57.23	74.00	-16.77	51.23	6.00	Peak	116	297
3	6973.33	52.57	68.20	-15.63	42.34	10.23	Peak	116	297
4	10460.00	56.31	68.20	-11.89	40.49	15.82	Peak	303	223
5	15690.00	43.95	54.00	-10.05	27.40	16.55	Average	100	40
6	15690.00	56.08	74.00	-17.92	39.53	16.55	Peak	100	40

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



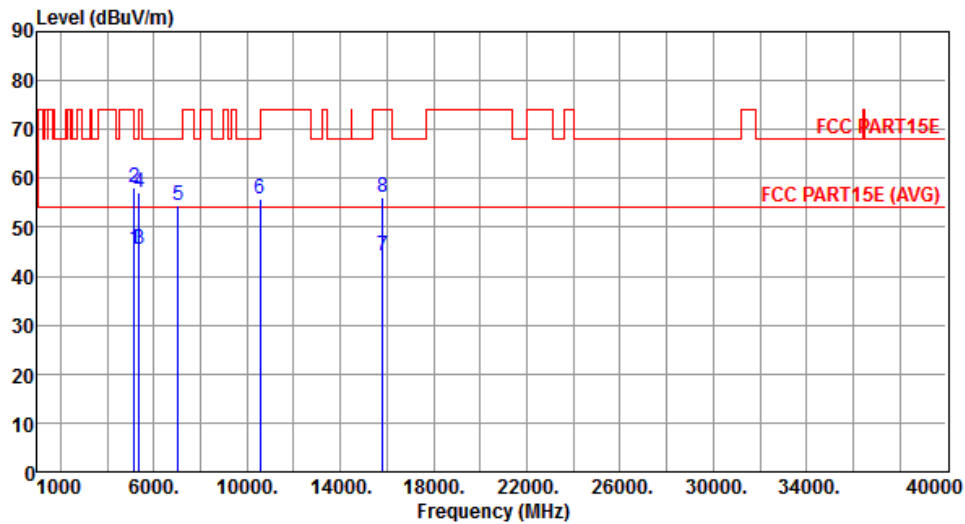
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.74	54.00	-7.26	40.74	6.00	Average	173	15
2	5150.00	57.21	74.00	-16.79	51.21	6.00	Peak	173	15
3	6973.33	57.65	68.20	-10.55	47.42	10.23	Peak	360	161
4	10460.00	60.17	68.20	-8.03	44.35	15.82	Peak	194	100
5	15690.00	44.41	54.00	-9.59	27.86	16.55	Average	100	92
6	15690.00	57.77	74.00	-16.23	41.22	16.55	Peak	100	92

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)	5270
Polarization	Horizontal	Test Configuration	1



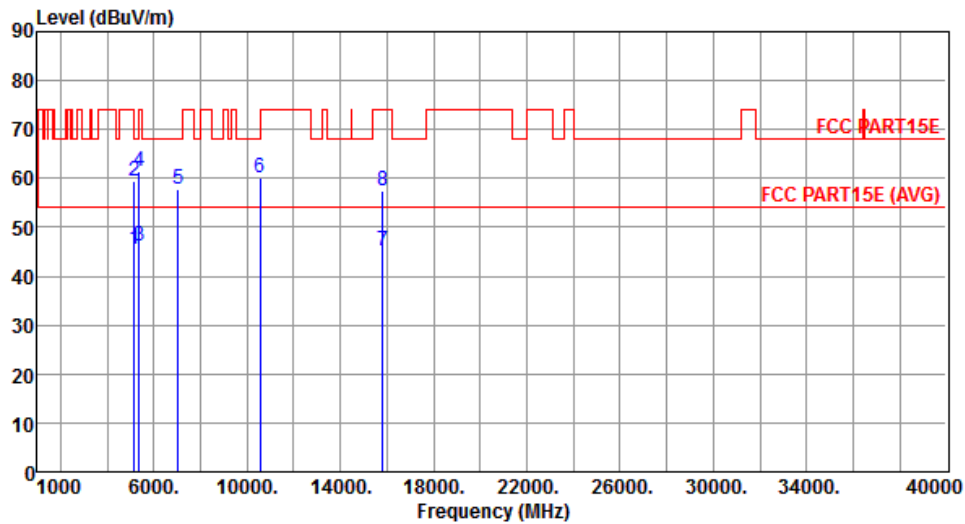
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.62	54.00	-8.38	39.62	6.00	Average	219	297
2	5150.00	58.23	74.00	-15.77	52.23	6.00	Peak	219	297
3	5350.00	45.42	54.00	-8.58	39.06	6.36	Average	219	297
4	5350.00	57.06	74.00	-16.94	50.70	6.36	Peak	219	297
5	7026.66	54.47	68.20	-13.73	44.14	10.33	Peak	110	284
6	10540.00	55.89	68.20	-12.31	39.97	15.92	Peak	305	235
7	15810.00	44.08	54.00	-9.92	27.69	16.39	Average	100	32
8	15810.00	56.10	74.00	-17.90	39.71	16.39	Peak	100	32

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)	5270
Polarization	Vertical	Test Configuration	1



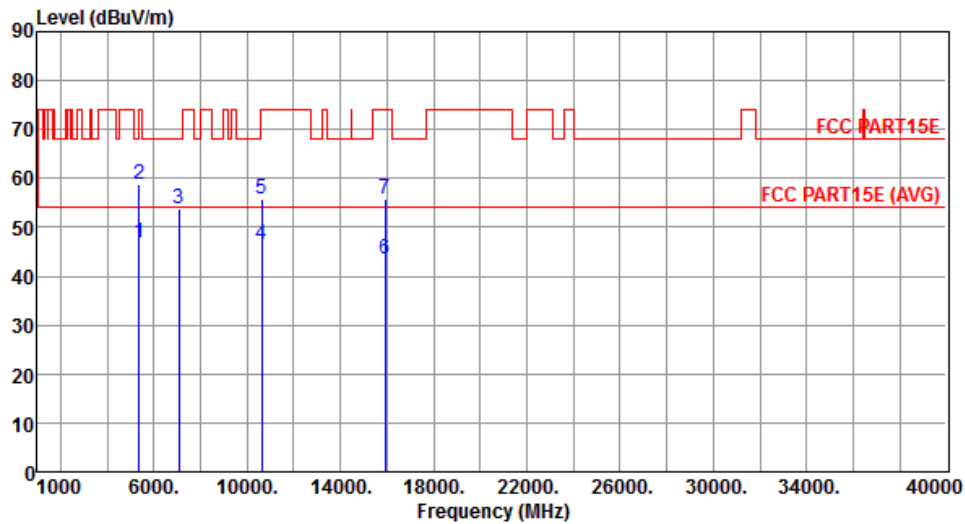
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.60	54.00	-8.40	39.60	6.00	Average	249	5
2	5150.00	59.38	74.00	-14.62	53.38	6.00	Peak	249	5
3	5350.00	46.30	54.00	-7.70	39.94	6.36	Average	249	5
4	5350.00	61.38	74.00	-12.62	55.02	6.36	Peak	249	5
5	7026.66	57.89	68.20	-10.31	47.56	10.33	Peak	328	164
6	10540.00	60.08	68.20	-8.12	44.16	15.92	Peak	288	116
7	15810.00	45.24	54.00	-8.76	28.85	16.39	Average	100	103
8	15810.00	57.30	74.00	-16.70	40.91	16.39	Peak	100	103

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)	5310
Polarization	Horizontal	Test Configuration	1



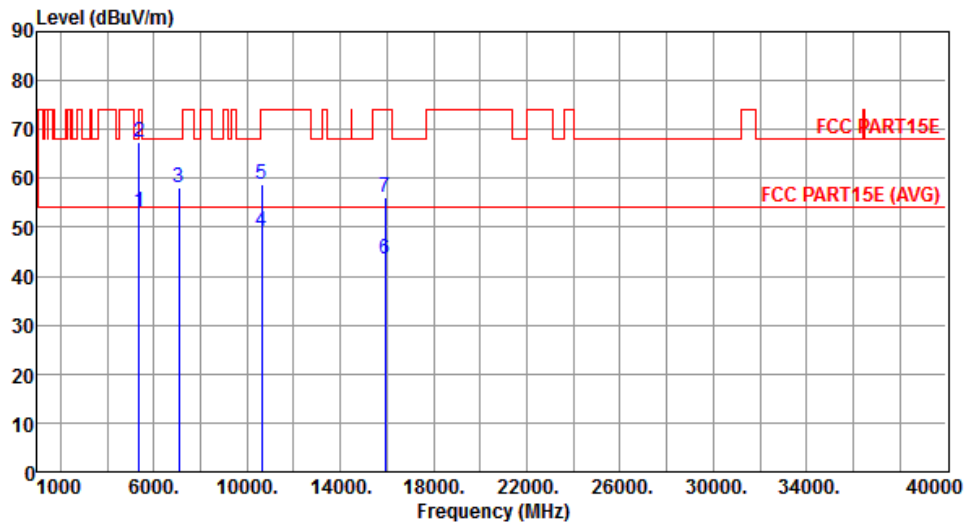
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.82	54.00	-7.18	40.46	6.36	Average	149	332
2	5350.00	58.88	74.00	-15.12	52.52	6.36	Peak	149	332
3	7080.00	53.96	68.20	-14.24	43.62	10.34	Peak	107	283
4	10620.00	46.63	54.00	-7.37	30.57	16.06	Average	295	246
5	10620.00	55.72	74.00	-18.28	39.66	16.06	Peak	295	246
6	15930.00	43.41	54.00	-10.59	27.16	16.25	Average	100	58
7	15930.00	55.81	74.00	-18.19	39.56	16.25	Peak	100	58

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)	5310
Polarization	Vertical	Test Configuration	1



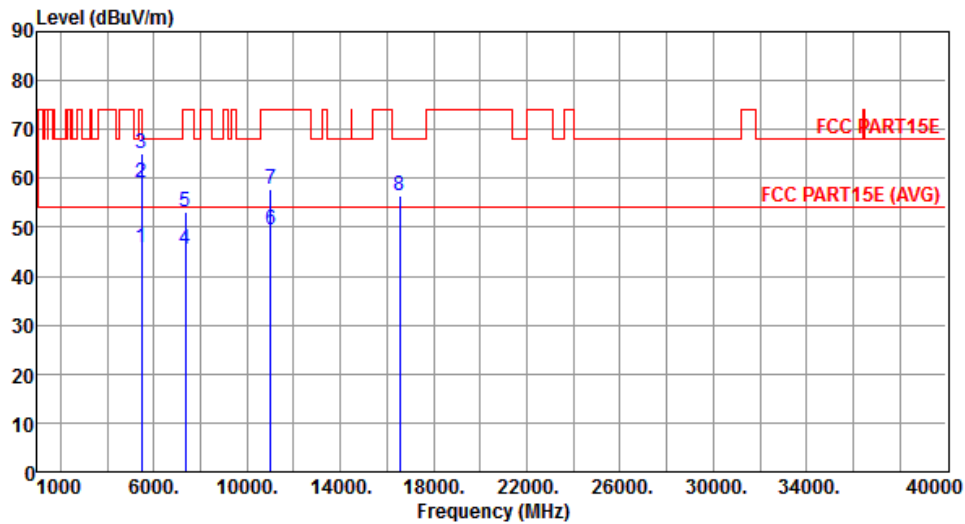
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.26	54.00	-0.74	46.90	6.36	Average	235	18
2	5350.00	67.36	74.00	-6.64	61.00	6.36	Peak	235	18
3	7080.00	58.24	68.20	-9.96	47.90	10.34	Peak	367	170
4	10620.00	49.09	54.00	-4.91	33.03	16.06	Average	290	113
5	10620.00	58.77	74.00	-15.23	42.71	16.06	Peak	290	113
6	15930.00	43.60	54.00	-10.40	27.35	16.25	Average	100	145
7	15930.00	56.07	74.00	-17.93	39.82	16.25	Peak	100	145

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)	5510
Polarization	Horizontal	Test Configuration	1



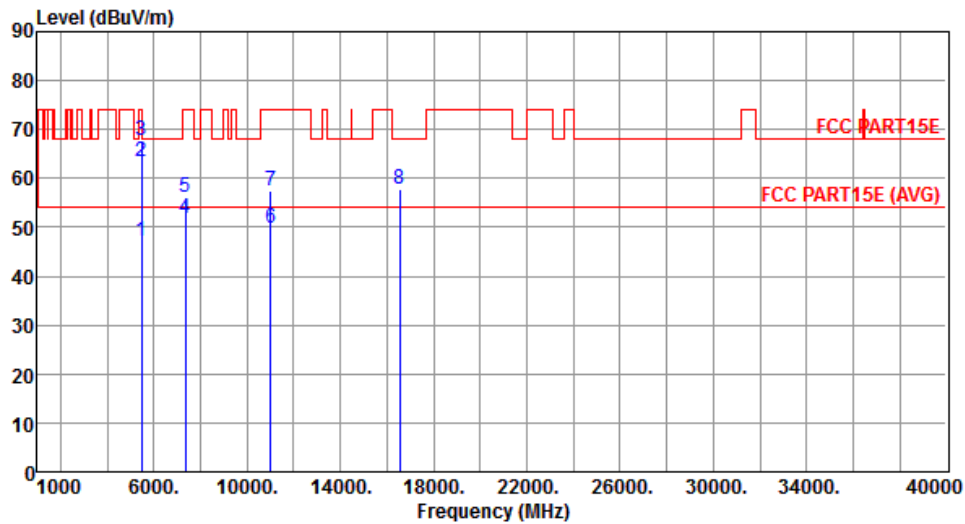
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.95	54.00	-8.05	39.40	6.55	Average	156	325
2	5460.00	59.25	74.00	-14.75	52.70	6.55	Peak	156	325
3	5470.00	64.94	68.20	-3.26	58.38	6.56	Peak	156	325
4	7346.66	45.42	54.00	-8.58	34.43	10.99	Average	100	295
5	7346.66	53.16	74.00	-20.84	42.17	10.99	Peak	100	295
6	11020.00	49.52	54.00	-4.48	32.75	16.77	Average	365	246
7	11020.00	57.75	74.00	-16.25	40.98	16.77	Peak	365	246
8	16530.00	56.44	68.20	-11.76	39.26	17.18	Peak	100	62

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)	5510
Polarization	Vertical	Test Configuration	1



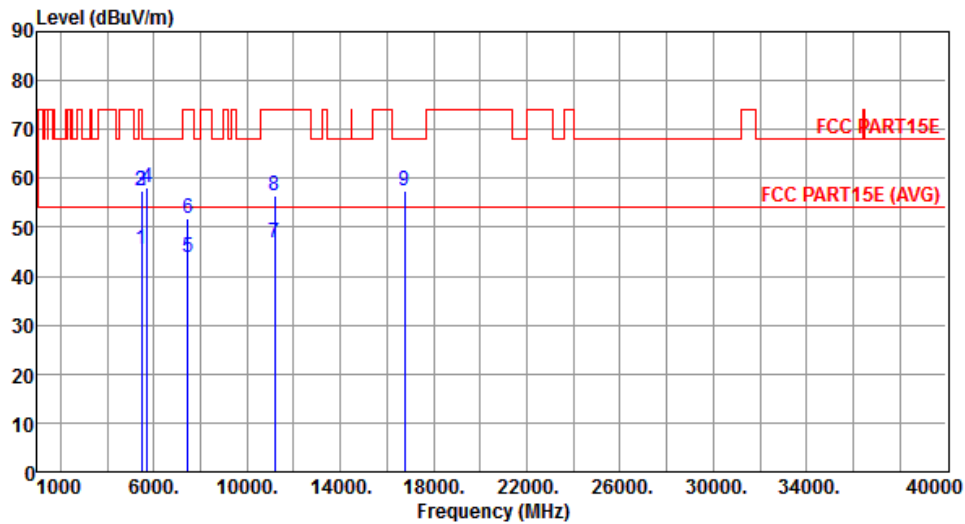
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.05	54.00	-6.95	40.50	6.55	Average	203	13
2	5460.00	63.33	74.00	-10.67	56.78	6.55	Peak	203	13
3	5470.00	67.79	68.20	-0.41	61.23	6.56	Peak	203	13
4	7346.66	51.67	54.00	-2.33	40.68	10.99	Average	368	170
5	7346.66	56.20	74.00	-17.80	45.21	10.99	Peak	368	170
6	11020.00	49.89	54.00	-4.11	33.12	16.77	Average	312	40
7	11020.00	57.31	74.00	-16.69	40.54	16.77	Peak	312	40
8	16530.00	57.68	68.20	-10.52	40.50	17.18	Peak	100	74

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)	5590
Polarization	Horizontal	Test Configuration	1



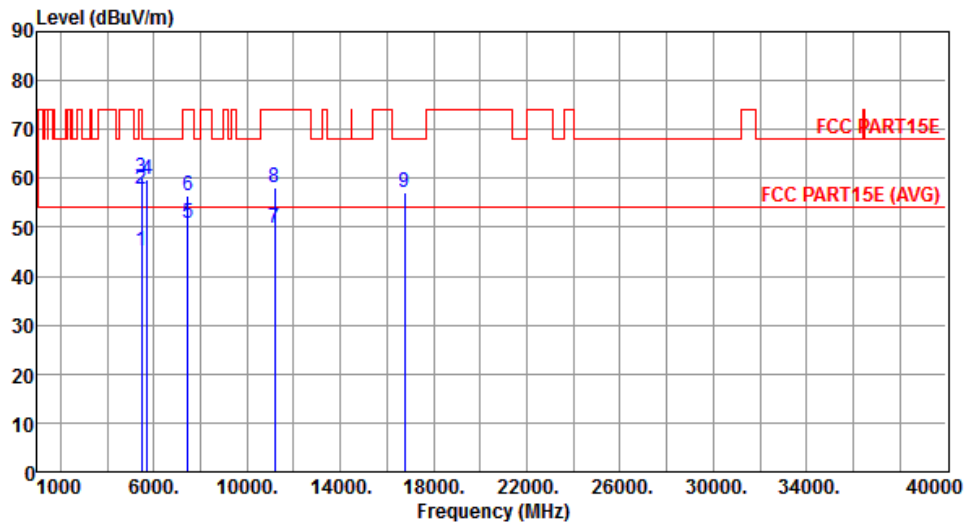
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.35	54.00	-8.65	38.80	6.55	Average	160	326
2	5460.00	57.35	74.00	-16.65	50.80	6.55	Peak	160	326
3	5470.00	57.52	68.20	-10.68	50.96	6.56	Peak	160	326
4	5725.00	58.17	68.20	-10.03	51.26	6.91	Peak	160	326
5	7453.33	43.78	54.00	-10.22	32.50	11.28	Average	100	307
6	7453.33	51.68	74.00	-22.32	40.40	11.28	Peak	100	307
7	11180.00	46.67	54.00	-7.33	29.96	16.71	Average	333	231
8	11180.00	56.51	74.00	-17.49	39.80	16.71	Peak	333	231
9	16770.00	57.47	68.20	-10.73	39.95	17.52	Peak	100	67

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)	5590
Polarization	Vertical	Test Configuration	1



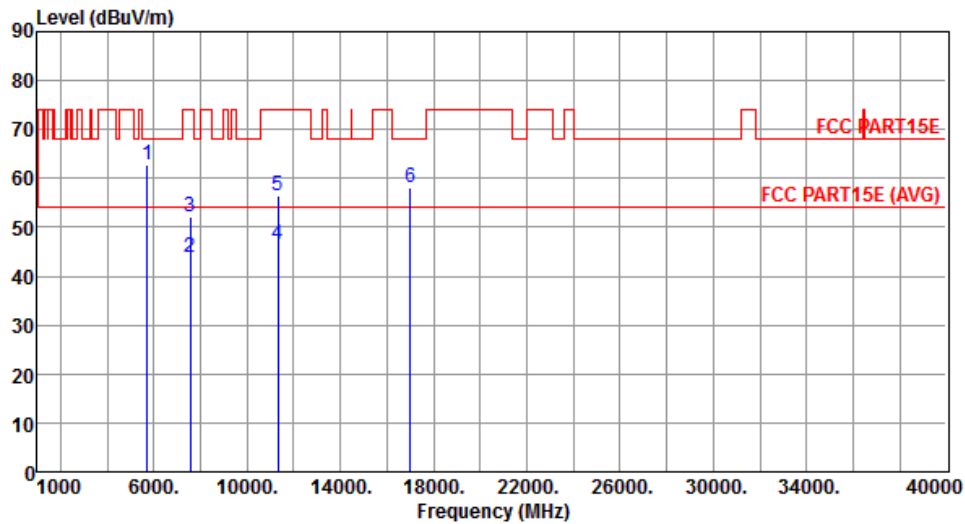
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.30	54.00	-8.70	38.75	6.55	Average	237	23
2	5460.00	57.95	74.00	-16.05	51.40	6.55	Peak	237	23
3	5470.00	59.99	68.20	-8.21	53.43	6.56	Peak	237	23
4	5725.00	59.68	68.20	-8.52	52.77	6.91	Peak	237	23
5	7453.33	50.91	54.00	-3.09	39.63	11.28	Average	335	135
6	7453.33	56.41	74.00	-17.59	45.13	11.28	Peak	335	135
7	11180.00	49.69	54.00	-4.31	32.98	16.71	Average	284	28
8	11180.00	58.07	74.00	-15.93	41.36	16.71	Peak	284	28
9	16770.00	57.26	68.20	-10.94	39.74	17.52	Peak	100	169

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)	5670
Polarization	Horizontal	Test Configuration	1



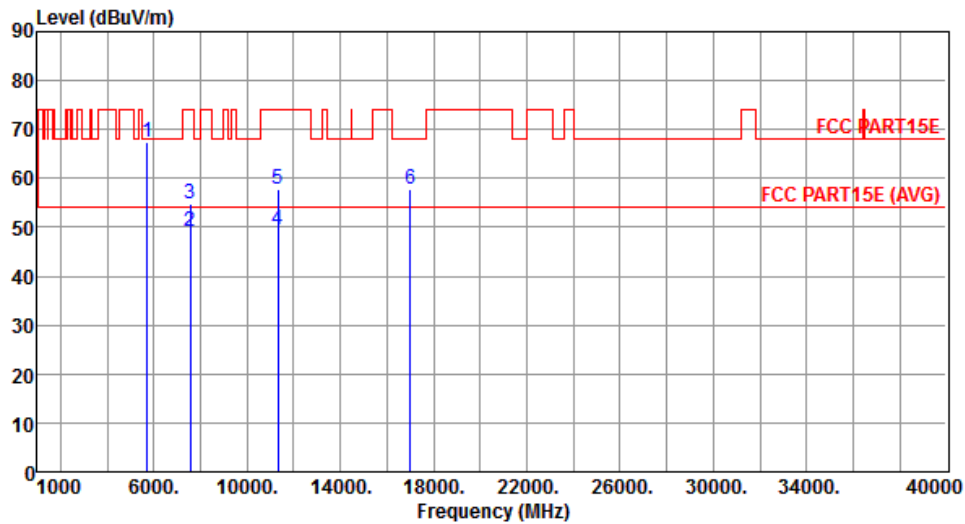
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	62.86	68.20	-5.34	55.95	6.91	Peak	151	294
2	7560.00	43.82	54.00	-10.18	32.47	11.35	Average	100	272
3	7560.00	52.24	74.00	-21.76	40.89	11.35	Peak	100	272
4	11340.00	46.40	54.00	-7.60	29.74	16.66	Average	319	288
5	11340.00	56.39	74.00	-17.61	39.73	16.66	Peak	319	288
6	17010.00	58.03	68.20	-10.17	40.16	17.87	Peak	100	84

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)	5670
Polarization	Vertical	Test Configuration	1



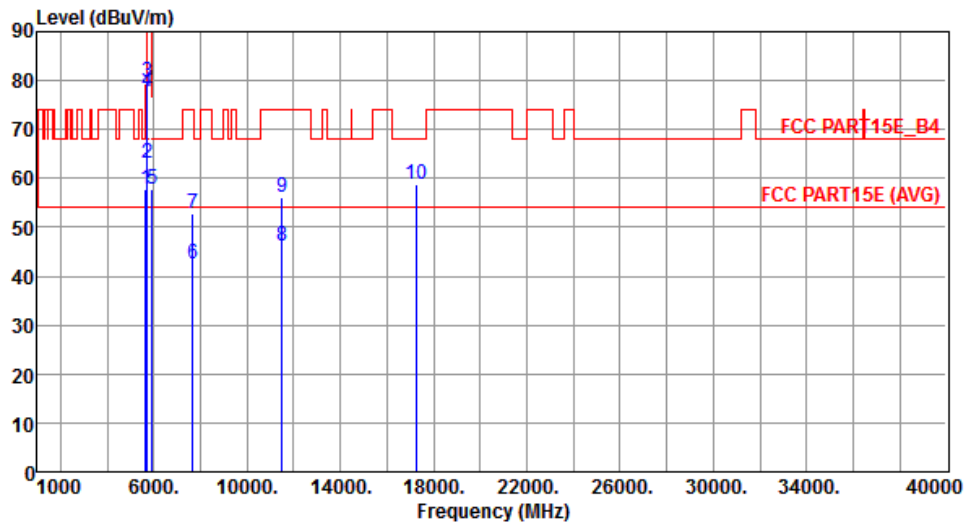
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	67.42	68.20	-0.78	60.51	6.91	Peak	219	7
2	7560.00	49.14	54.00	-4.86	37.79	11.35	Average	326	137
3	7560.00	54.91	74.00	-19.09	43.56	11.35	Peak	326	137
4	11340.00	49.41	54.00	-4.59	32.75	16.66	Average	311	34
5	11340.00	57.80	74.00	-16.20	41.14	16.66	Peak	311	34
6	17010.00	57.74	68.20	-10.46	39.87	17.87	Peak	100	206

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)	5755
Polarization	Horizontal	Test Configuration	1



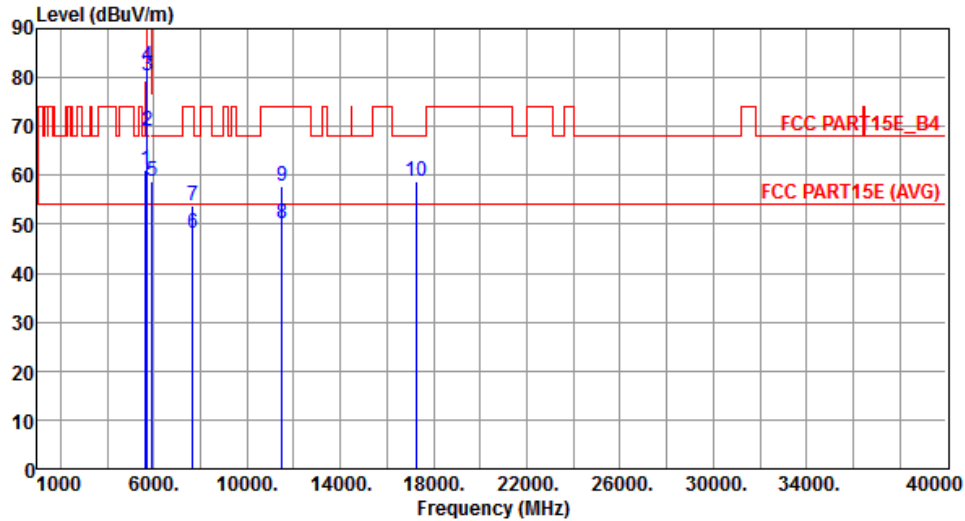
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	57.76	68.20	-10.44	50.96	6.80	Peak	143	302
2	5700.00	63.20	105.20	-42.00	56.32	6.88	Peak	143	302
3	5720.00	79.71	110.80	-31.09	72.80	6.91	Peak	143	302
4	5725.00	77.57	122.20	-44.63	70.66	6.91	Peak	143	302
5	5925.00	57.87	68.20	-10.33	50.66	7.21	Peak	143	302
6	7673.33	42.55	54.00	-11.45	31.16	11.39	Average	100	339
7	7673.33	52.86	74.00	-21.14	41.47	11.39	Peak	100	339
8	11510.00	46.24	54.00	-7.76	29.66	16.58	Average	316	310
9	11510.00	56.00	74.00	-18.00	39.42	16.58	Peak	316	310
10	17265.00	58.88	68.20	-9.32	40.22	18.66	Peak	100	77

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)	5755
Polarization	Vertical	Test Configuration	1



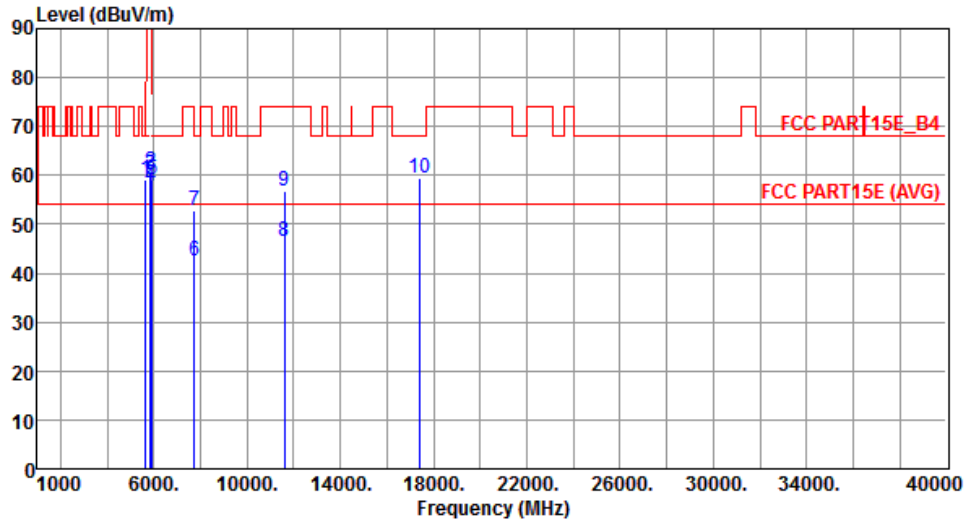
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.03	68.20	-7.17	54.23	6.80	Peak	238	5
2	5700.00	68.98	105.20	-36.22	62.10	6.88	Peak	238	5
3	5720.00	80.43	110.80	-30.37	73.52	6.91	Peak	238	5
4	5725.00	82.32	122.20	-39.88	75.41	6.91	Peak	238	5
5	5925.00	58.69	68.20	-9.51	51.48	7.21	Peak	238	5
6	7673.33	48.30	54.00	-5.70	36.91	11.39	Average	360	200
7	7673.33	53.96	74.00	-20.04	42.57	11.39	Peak	360	200
8	11510.00	49.99	54.00	-4.01	33.41	16.58	Average	295	167
9	11510.00	57.65	74.00	-16.35	41.07	16.58	Peak	295	167
10	17265.00	58.72	68.20	-9.48	40.06	18.66	Peak	100	194

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)	5795
Polarization	Horizontal	Test Configuration	1



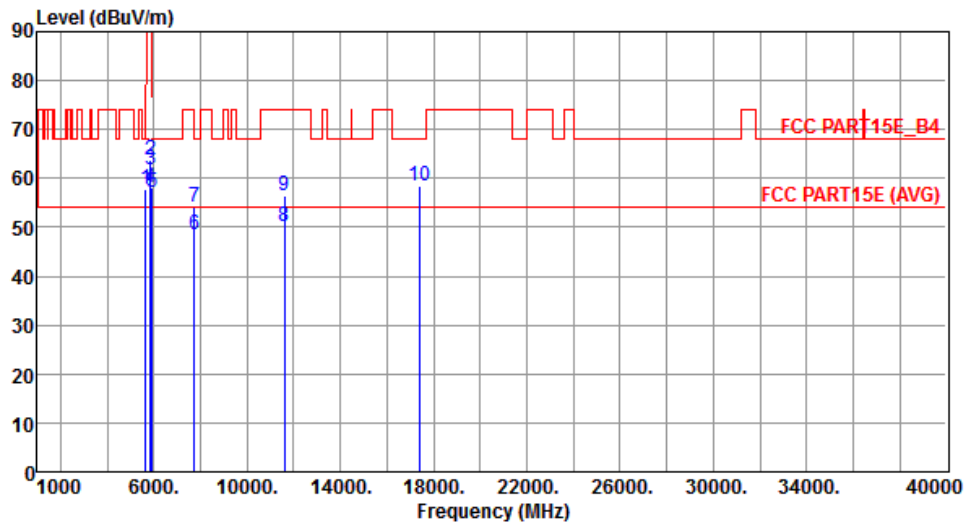
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.20	68.20	-9.00	52.40	6.80	Peak	156	305
2	5850.00	60.63	122.20	-61.57	53.53	7.10	Peak	156	305
3	5855.00	60.01	110.80	-50.79	52.89	7.12	Peak	156	305
4	5875.00	57.95	105.20	-47.25	50.81	7.14	Peak	156	305
5	5925.00	59.01	68.20	-9.19	51.80	7.21	Peak	156	305
6	7726.66	42.67	54.00	-11.33	31.26	11.41	Average	100	326
7	7726.66	52.79	74.00	-21.21	41.38	11.41	Peak	100	326
8	11590.00	46.62	54.00	-7.38	30.16	16.46	Average	321	316
9	11590.00	56.64	74.00	-17.36	40.18	16.46	Peak	321	316
10	17385.00	59.42	68.20	-8.78	40.38	19.04	Peak	100	84

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)	5795
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	5650.00	57.74	68.20	-10.46	50.94	6.80	Peak	256	2
2	5850.00	63.70	122.20	-58.50	56.60	7.10	Peak	256	2
3	5855.00	61.71	110.80	-49.09	54.59	7.12	Peak	256	2
4	5875.00	58.02	105.20	-47.18	50.88	7.14	Peak	256	2
5	5925.00	57.19	68.20	-11.01	49.98	7.21	Peak	256	2
6	7726.66	48.52	54.00	-5.48	37.11	11.41	Average	357	186
7	7726.66	54.07	74.00	-19.93	42.66	11.41	Peak	357	186
8	11590.00	50.02	54.00	-3.98	33.56	16.46	Average	301	175
9	11590.00	56.62	74.00	-17.38	40.16	16.46	Peak	301	175
10	17385.00	58.60	68.20	-9.60	39.56	19.04	Peak	100	223

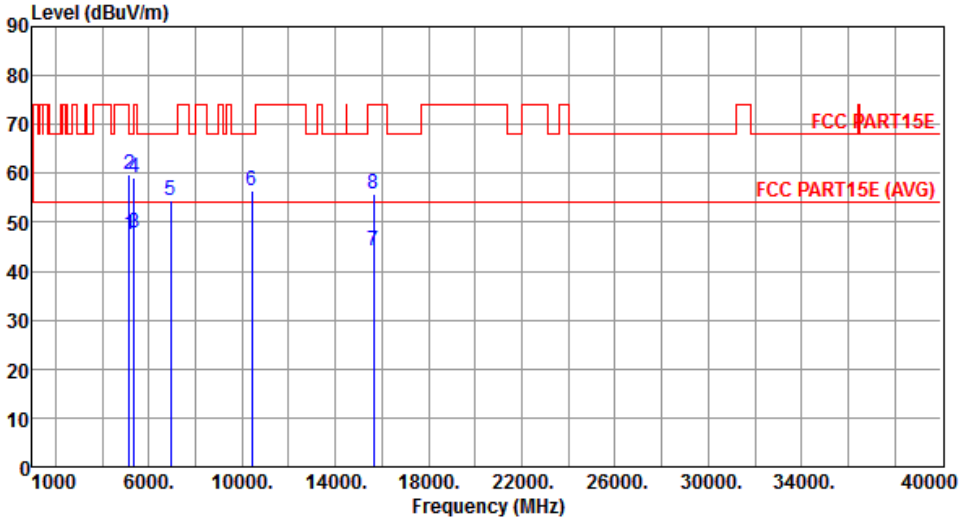
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

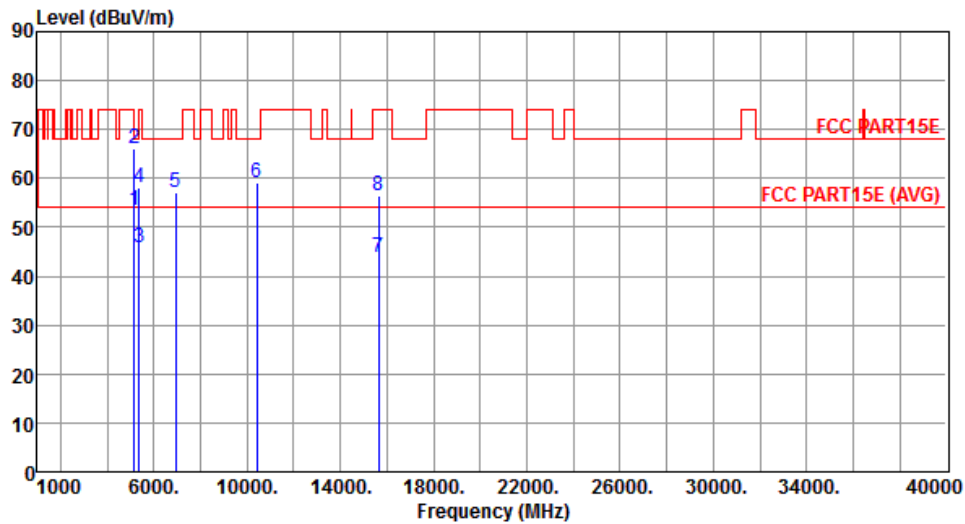
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	1



	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	47.57	54.00	-6.43	41.57	6.00	Average	128	299
2	5150.00	59.65	74.00	-14.35	53.65	6.00	Peak	128	299
3	5350.00	47.79	54.00	-6.21	41.43	6.36	Average	128	299
4	5350.00	59.23	74.00	-14.77	52.87	6.36	Peak	128	299
5	6946.66	54.37	68.20	-13.83	44.24	10.13	Peak	100	297
6	10420.00	56.41	68.20	-11.79	40.62	15.79	Peak	100	220
7	15630.00	44.03	54.00	-9.97	27.42	16.61	Average	100	10
8	15630.00	55.95	74.00	-18.05	39.34	16.61	Peak	100	10

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



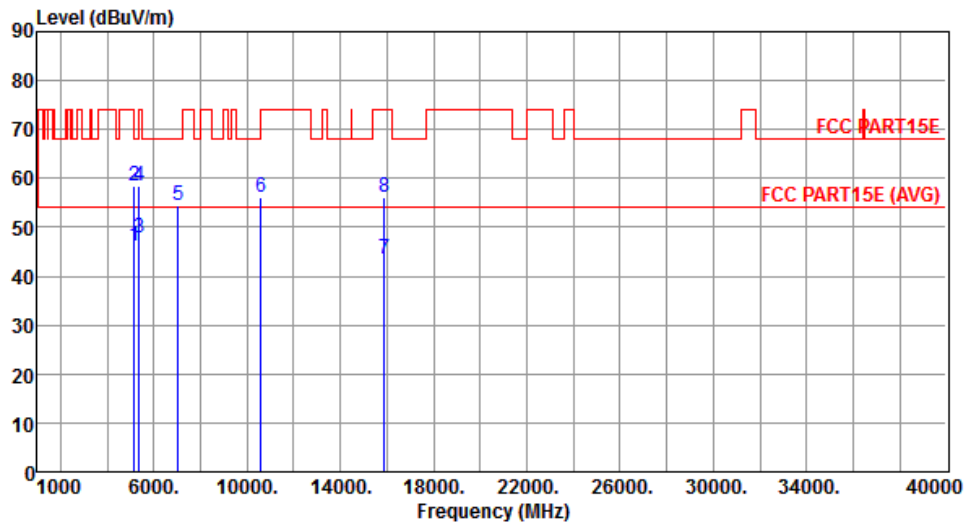
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.58	54.00	-0.42	47.58	6.00	Average	223	18
2	5150.00	66.06	74.00	-7.94	60.06	6.00	Peak	223	18
3	5350.00	45.81	54.00	-8.19	39.45	6.36	Average	223	18
4	5350.00	58.21	74.00	-15.79	51.85	6.36	Peak	223	18
5	6946.66	57.28	68.20	-10.92	47.15	10.13	Peak	360	181
6	10420.00	59.24	68.20	-8.96	43.45	15.79	Peak	301	120
7	15630.00	43.97	54.00	-10.03	27.36	16.61	Average	100	50
8	15630.00	56.55	74.00	-17.45	39.94	16.61	Peak	100	50

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)	5290
Polarization	Horizontal	Test Configuration	1



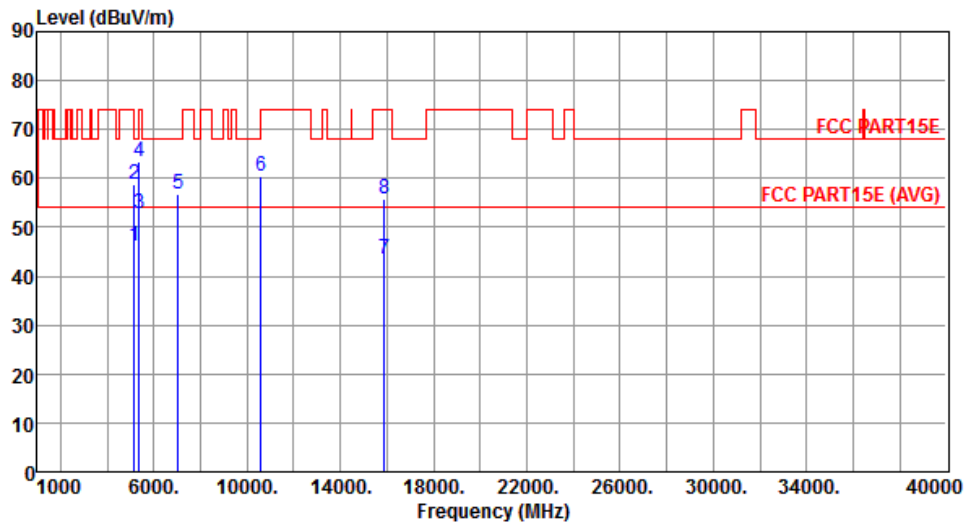
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.06	54.00	-7.94	40.06	6.00	Average	121	295
2	5150.00	58.34	74.00	-15.66	52.34	6.00	Peak	121	295
3	5350.00	47.85	54.00	-6.15	41.49	6.36	Average	121	295
4	5350.00	58.33	74.00	-15.67	51.97	6.36	Peak	121	295
5	7053.33	54.51	68.20	-13.69	44.18	10.33	Peak	100	295
6	10580.00	56.08	68.20	-12.12	40.08	16.00	Peak	100	250
7	15870.00	43.58	54.00	-10.42	27.25	16.33	Average	100	230
8	15870.00	56.25	74.00	-17.75	39.92	16.33	Peak	100	230

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)	5290
Polarization	Vertical	Test Configuration	1



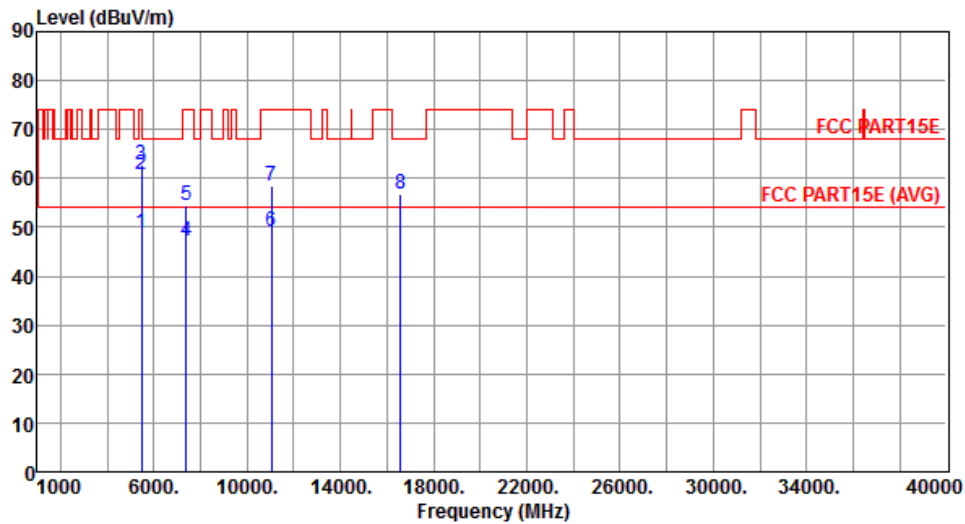
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.12	54.00	-7.88	40.12	6.00	Average	264	9
2	5150.00	58.68	74.00	-15.32	52.68	6.00	Peak	264	9
3	5350.00	52.95	54.00	-1.05	46.59	6.36	Average	264	9
4	5350.00	63.32	74.00	-10.68	56.96	6.36	Peak	264	9
5	7053.33	56.82	68.20	-11.38	46.49	10.33	Peak	264	172
6	10580.00	60.48	68.20	-7.72	44.48	16.00	Peak	311	118
7	15870.00	43.42	54.00	-10.58	27.09	16.33	Average	100	60
8	15870.00	55.92	74.00	-18.08	39.59	16.33	Peak	100	60

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)	5530
Polarization	Horizontal	Test Configuration	1



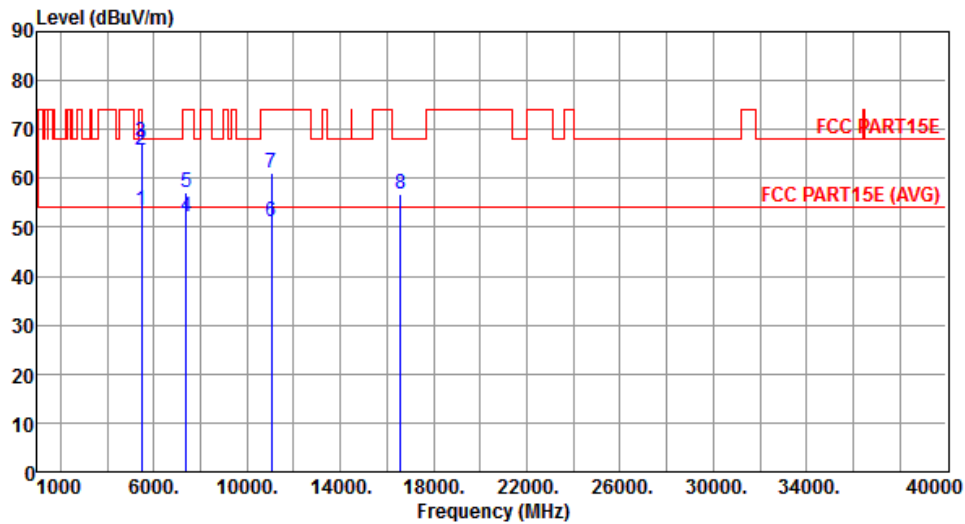
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.88	54.00	-5.12	42.33	6.55	Average	128	297
2	5460.00	60.82	74.00	-13.18	54.27	6.55	Peak	128	297
3	5470.00	62.80	68.20	-5.40	56.24	6.56	Peak	128	297
4	7373.33	47.28	54.00	-6.72	36.16	11.12	Average	100	291
5	7373.33	54.47	74.00	-19.53	43.35	11.12	Peak	100	291
6	11060.00	49.08	54.00	-4.92	32.33	16.75	Average	100	221
7	11060.00	58.61	74.00	-15.39	41.86	16.75	Peak	100	221
8	16590.00	56.72	68.20	-11.48	39.45	17.27	Peak	100	30

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)	5530
Polarization	Vertical	Test Configuration	1



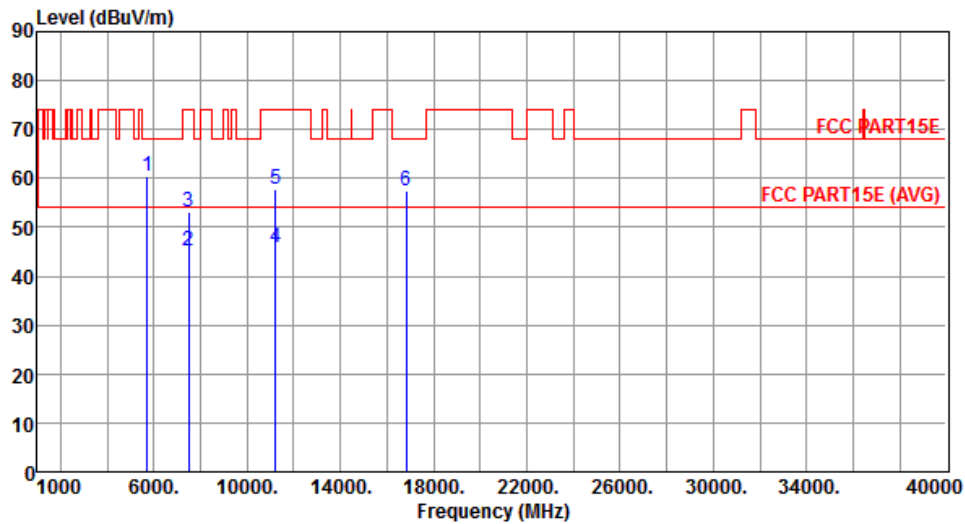
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	53.35	54.00	-0.65	46.80	6.55	Average	200	13
2	5460.00	65.62	74.00	-8.38	59.07	6.55	Peak	200	13
3	5470.00	67.34	68.20	-0.86	60.78	6.56	Peak	200	13
4	7373.33	52.26	54.00	-1.74	41.14	11.12	Average	321	179
5	7373.33	57.11	74.00	-16.89	45.99	11.12	Peak	321	179
6	11060.00	51.23	54.00	-2.77	34.48	16.75	Average	317	229
7	11060.00	61.01	74.00	-12.99	44.26	16.75	Peak	317	229
8	16590.00	56.83	68.20	-11.37	39.56	17.27	Peak	100	25

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)	5610
Polarization	Horizontal	Test Configuration	1



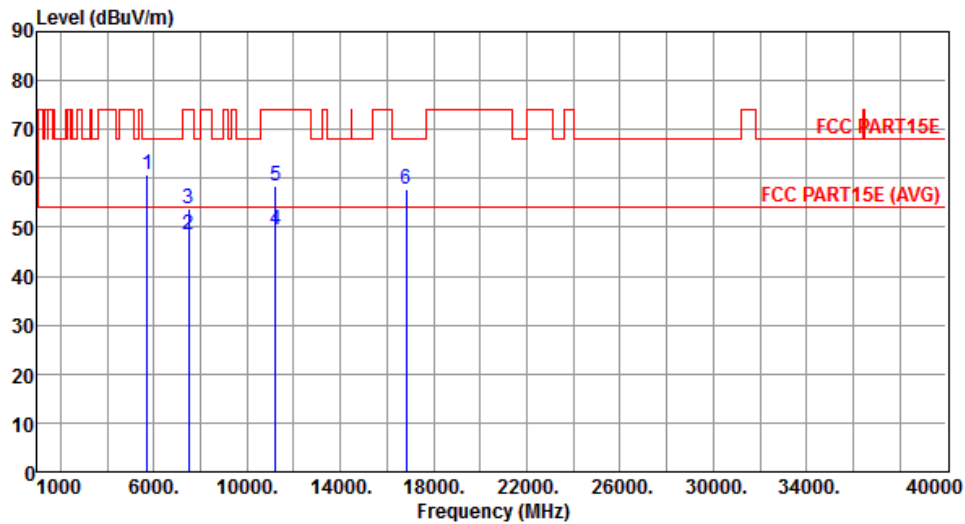
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.61	68.20	-7.59	53.70	6.91	Peak	156	313
2	7480.00	45.01	54.00	-8.99	33.70	11.31	Average	103	289
3	7480.00	53.13	74.00	-20.87	41.82	11.31	Peak	103	289
4	11220.00	45.99	54.00	-8.01	29.30	16.69	Average	100	219
5	11220.00	57.95	74.00	-16.05	41.26	16.69	Peak	100	219
6	16830.00	57.36	68.20	-10.84	39.76	17.60	Peak	100	75

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)	5610
Polarization	Vertical	Test Configuration	1



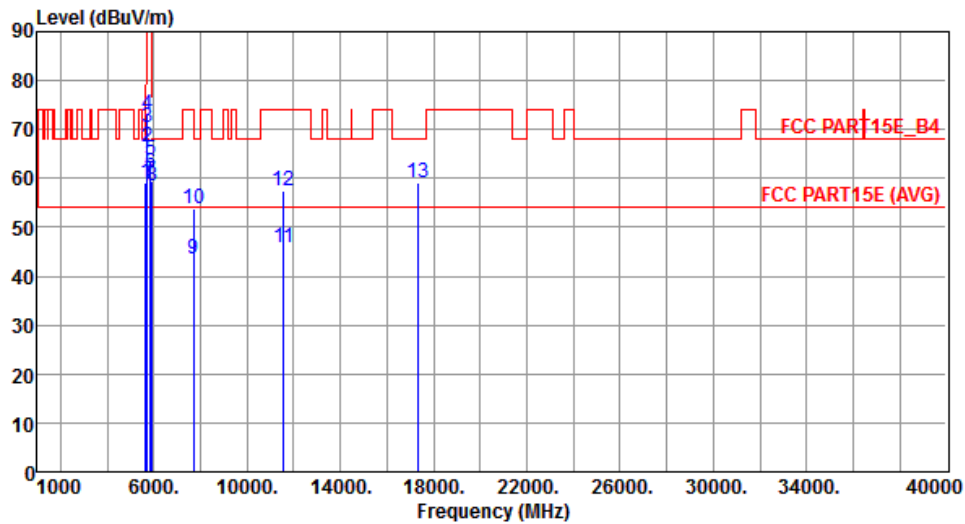
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.77	68.20	-7.43	53.86	6.91	Peak	252	20
2	7480.00	48.45	54.00	-5.55	37.14	11.31	Average	279	174
3	7480.00	53.69	74.00	-20.31	42.38	11.31	Peak	279	174
4	11220.00	49.43	54.00	-4.57	32.74	16.69	Average	315	224
5	11220.00	58.60	74.00	-15.40	41.91	16.69	Peak	315	224
6	16830.00	57.72	68.20	-10.48	40.12	17.60	Peak	100	80

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)	5775
Polarization	Horizontal	Test Configuration	1



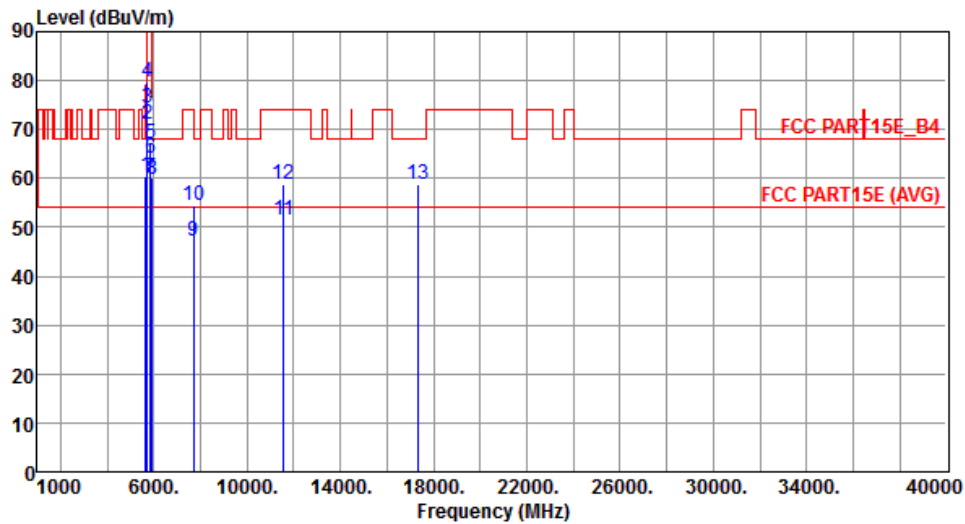
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.97	68.20	-9.23	52.17	6.80	Peak	131	313
2	5700.00	66.59	105.20	-38.61	59.71	6.88	Peak	131	313
3	5720.00	70.55	110.80	-40.25	63.64	6.91	Peak	131	313
4	5725.00	73.09	122.20	-49.11	66.18	6.91	Peak	131	313
5	5850.00	63.72	68.20	-4.48	56.62	7.10	Peak	131	313
6	5855.00	61.26	110.80	-49.54	54.14	7.12	Peak	131	313
7	5875.00	59.54	105.20	-45.66	52.40	7.14	Peak	131	313
8	5925.00	58.53	68.20	-9.67	51.32	7.21	Peak	131	313
9	7700.00	43.43	54.00	-10.57	32.03	11.40	Average	100	336
10	7700.00	53.65	74.00	-20.35	42.25	11.40	Peak	100	336
11	11550.00	45.97	54.00	-8.03	29.45	16.52	Average	100	218
12	11550.00	57.50	74.00	-16.50	40.98	16.52	Peak	100	218
13	17325.00	58.99	68.20	-9.21	40.14	18.85	Peak	100	50

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)	5775
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	5650.00	60.58	68.20	-7.62	53.78	6.80	Peak	243	9
2	5700.00	71.08	105.20	-34.12	64.20	6.88	Peak	243	9
3	5720.00	74.50	110.80	-36.30	67.59	6.91	Peak	243	9
4	5725.00	79.59	122.20	-42.61	72.68	6.91	Peak	243	9
5	5850.00	67.08	122.20	-55.12	59.98	7.10	Peak	243	9
6	5855.00	63.97	110.80	-46.83	56.85	7.12	Peak	243	9
7	5875.00	60.10	105.20	-45.10	52.96	7.14	Peak	243	9
8	5925.00	59.62	68.20	-8.58	52.41	7.21	Peak	243	9
9	7700.00	47.13	54.00	-6.87	35.73	11.40	Average	265	224
10	7700.00	54.38	74.00	-19.62	42.98	11.40	Peak	265	224
11	11550.00	51.48	54.00	-2.52	34.96	16.52	Average	329	182
12	11550.00	58.93	74.00	-15.07	42.41	16.52	Peak	329	182
13	17325.00	58.73	68.20	-9.47	39.88	18.85	Peak	100	65

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 Frequency Stability

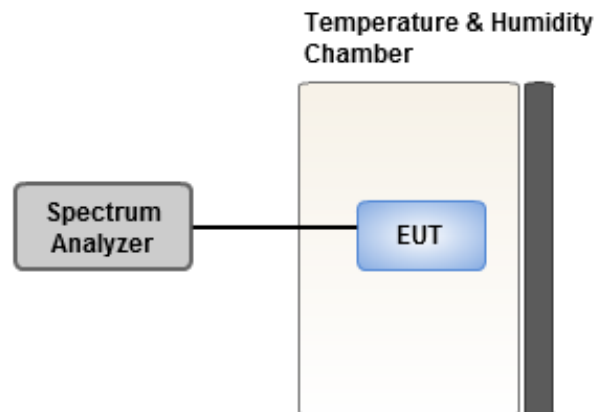
3.6.1 Limit of Frequency Stability

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.

3.6.2 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 60 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	5.43	5.50	5.16	6.11
T20°C Vmin	4.38	4.95	4.22	5.14
T60°C Vnom	3.78	4.01	3.54	4.45
T50°C Vnom	3.11	3.06	3.20	3.31
T40°C Vnom	2.95	2.92	3.46	3.58
T30°C Vnom	2.64	2.91	3.19	3.14
T20°C Vnom	2.36	2.37	2.64	3.03
T10°C Vnom	2.84	3.26	2.54	3.40
T0°C Vnom	1.82	1.55	2.61	1.65
T-10°C Vnom	0.45	0.54	0.46	0.27
T-20°C Vnom	0.61	0.39	0.45	0.88
T-30°C Vnom	0.59	1.14	1.13	0.31
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 60		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	4.91	5.12	4.91	4.77
T20°C Vmin	3.76	4.04	3.95	3.71
T60°C Vnom	3.50	3.27	3.48	3.91
T50°C Vnom	2.98	2.69	3.05	2.79
T40°C Vnom	2.73	2.73	3.13	2.73
T30°C Vnom	2.60	3.08	2.84	2.95
T20°C Vnom	2.33	2.41	2.32	2.55
T10°C Vnom	2.82	3.13	3.08	2.96
T0°C Vnom	1.67	1.25	1.62	2.22
T-10°C Vnom	0.94	1.05	1.41	1.19
T-20°C Vnom	0.22	0.64	0.08	0.38
T-30°C Vnom	-0.24	0.34	-0.03	-0.32
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 60		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 (EMC and Wireless Communication Laboratory), 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 District. Location map can be found on our website <http://www.icertifi.com.tw>.

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Kwei Shan

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333, Taiwan, R.O.C.

Kwei Shan Site II

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No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C.

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

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Email: ICC_Service@icertifi.com.tw

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