

FCC Test Report

FCC ID : SQG-WB50NBT
Equipment : Wireless 802.11abgn + BT4.1 intelligent module
Model No. : WB50NBT
Brand Name : Laird Technologies
Applicant : Laird Technologies
Address : W66N220 Commerce Court, Cedarburg, Wisconsin 53012, USA
Standard : 47 CFR FCC Part 15.407
Received Date : Dec. 30, 2015
Tested Date : Jan. 28 ~ Mar. 31, 2016

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

Approved & Reviewed by:



Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR631002AN	Rev. 01	Initial issue	Apr. 15, 2016
FR631002AN	Rev. 02	Modified address of applicant.	May 03, 2016

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 19.326MHz 24.36 (Margin -25.64dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 17355.00MHz 53.93 (Margin -0.07dB) - AV	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: 21.68 5250~5350MHz: 21.81 5470~5725MHz: 21.94 5725~5850MHz: 21.47	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]	1 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]	1 2 2	MCS 0-7 MCS 0-7 MCS 8-15
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]	1 2 2	MCS 0-7 MCS 0-7 MCS 8-15

Note 1: RF output power specifies that Maximum Conducted Output Power.
 Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
 Note 3: The device supports TX antenna diversity function. The conducted power of single chain is same for 1TX and 2TX operating mode. Therefore, Ant1+Ant2 configuration is chosen for final testing.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	Laird MAF94051	Dipole	RP-SMA	2.1	2.4	2.6	3.4	3.4
2	Laird NanoBlade-IP04	PCB Dipole	IPEX MHF	2	3.9	3.9	4	4
3	Laird MAF95310 Mini NanoBlade Flex	PCB Dipole	IPEX MHF	2.79	3.38	3.38	3.38	3.38
4	Laird NanoBlue-IP04	PCB Dipole	IPEX MHF	2	---	---	---	---
5	Ethertronics WLAN_1000146	Isolated Magnetic Dipole	IPEX MHF	2.5	3.5	3.5	3.5	3.5

Note: Ant. No. 1, 3 & 5 were for 2.4G final test.

Ant. No. 1, 2 & 5 were for 5G final test.

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host
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1.1.4 Accessories

N/A

1.1.5 Channel List

802.11 a / HT20		HT40	
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	---	---
116	5580	---	---
120	5600	---	---
124	5620	---	---
128	5640	---	---
132	5660	---	---
136	5680	---	---
140	5700	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	ART2 GUI, V2.3		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	99.05%	0.04
	HT20	98.89%	0.05
	HT40	98.15%	0.08

1.1.7 Power Setting

For Frequency band 5150-5250 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5180	20.5
11a	5200	20.5
11a	5240	20
HT20	5180	20
HT20	5200	20.5
HT20	5240	20
HT40	5190	14.5
HT40	5230	19

For Frequency band 5250~5350 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5260	20
11a	5300	18.5
11a	5320	17.5
HT20	5260	19.5
HT20	5300	19
HT20	5320	18.5
HT40	5270	19.5
HT40	5310	17

For Frequency band 5470~5725 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5500	16
11a	5580	19
11a	5700	16.5
HT20	5500	16
HT20	5580	17.5
HT20	5700	15.5
HT40	5510	15
HT40	5590	20
HT40	5670	18

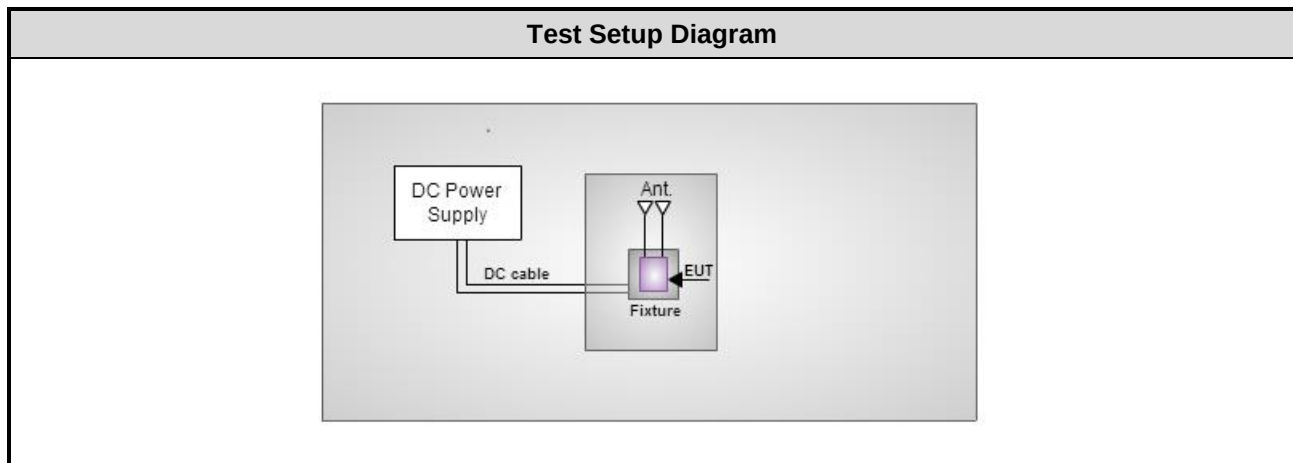
For Frequency band 5725~5850 MHz		
Modulation Mode	Test Frequency (MHz)	Power Set
11a	5745	20
11a	5785	22
11a	5825	20
HT20	5745	19.5
HT20	5785	22
HT20	5825	21
HT40	5755	15.5
HT40	5795	20

1.2 Local Support Equipment List

Support Equipment List						
No.	Equipment	Brand	Model	S/N	FCC ID	Signal cable / Length (m)
1	DC Power Supply	GW INSTEK	GPC-3060D	EM884797	---	---
2	Notebook	DELL	Latitude E6430	9ZFB4X1	DoC	---
3	Fixture	---	---	---	---	---

Note: Fixture is provided by applicant.

1.3 Test Setup Chart



Note: The support notebook was disconnected from EUT and removed from test table when EUT is set to transmit continuously.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Mar. 31, 2016				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
EMC Receiver	R&S	ESCS 30	100169	Oct. 21, 2015	Oct. 20, 2016
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 13, 2015	Nov. 12, 2016
RF Cable-CON	EMC	EMCCFD300-BM-BM-6000	50821	Dec. 21, 2015	Dec. 20, 2016
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	Jan. 28, 2016				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 14, 2015	Sep. 13, 2016
Receiver	Agilent	N9038A	MY53290044	Oct. 14, 2015	Oct. 13, 2016
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-563	Dec. 29, 2015	Dec. 28, 2016
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 03, 2015	Feb. 02, 2016
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2015	Nov. 03, 2016
Preamplifier	EMC	EMC02325	980187	Sep. 21, 2015	Sep. 20, 2016
Preamplifier	Agilent	83017A	MY53270014	Sep. 07, 2015	Sep. 06, 2016
Preamplifier	EMC	EMC184045B	980192	Sep. 01, 2015	Aug. 31, 2016
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 09, 2015	Feb. 08, 2016
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 09, 2015	Feb. 08, 2016
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 09, 2015	Feb. 08, 2016
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 09, 2015	Feb. 08, 2016
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 09, 2015	Feb. 08, 2016
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 09, 2015	Feb. 08, 2016
Measurement Software	AUDIX	e3	6.120210g	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	Mar. 21, 2016				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 14, 2015	Sep. 13, 2016
Receiver	Agilent	N9038A	MY53290044	Oct. 14, 2015	Oct. 13, 2016
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-563	Dec. 29, 2015	Dec. 28, 2016
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 24, 2016	Feb. 23, 2017
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2015	Nov. 03, 2016
Preamplifier	EMC	EMC02325	980187	Sep. 21, 2015	Sep. 20, 2016
Preamplifier	Agilent	83017A	MY53270014	Sep. 07, 2015	Sep. 06, 2016
Preamplifier	EMC	EMC184045B	980192	Sep. 01, 2015	Aug. 31, 2016
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 05, 2016	Feb. 04, 2017
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 05, 2016	Feb. 04, 2017
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 05, 2016	Feb. 04, 2017
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 05, 2016	Feb. 04, 2017
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 05, 2016	Feb. 04, 2017
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 05, 2016	Feb. 04, 2017
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	Mar. 21 ~ Mar. 23, 2016				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2016	Feb. 16, 2017
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 27, 2015	Nov. 26, 2016
Power Meter	Anritsu	ML2495A	1241002	Sep. 21, 2015	Sep. 20, 2016
Power Sensor	Anritsu	MA2411B	1207366	Sep. 21, 2015	Sep. 20, 2016
DC POWER SOURCE	GW INSTEK	GPC-3060D	EM884797	Oct. 20, 2015	Oct. 19, 2016
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 v01r01

FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01

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	±2.92 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	20°C / 60%	Alex Tsai
Radiated Emissions	03CH03-WS	20°C / 62-64%	Anderson Hong Warren Lee Aska Huang
RF Conducted	TH01-WS	21°C / 64%	Anderson Hong

➤ 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	HT40	5590	MCS 0	2
Radiated Emissions ≤1GHz	HT40	5590	MCS 0	1, 2, 3
Radiated Emissions >1GHz	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1, 2, 3
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670	MCS 0	
RF Output Power Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	2
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report. 2. The following antennas are used for final testing for this module: (See item 1.1.2 for more details.) 1) Configuration 1 : Dipole antenna 2) Configuration 2 : PCB Dipole antenna 3) Configuration 3 : Isolated Magnetic Dipole antenna				

Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Emissions	11a	5785	6 Mbps	2
Radiated Emissions ≤ 1 GHz	11a	5785	6 Mbps	1, 2, 3
Radiated Emissions > 1 GHz	11a	5745 / 5785 / 5825	6 Mbps	1, 2, 3
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
RF Output Power Emission Bandwidth 6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	2
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
Frequency Stability	Un-modulation	5785	---	---
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report. 2. The following antennas are used for final testing for this module: (See item 1.1.2 for more details.) 1) Configuration 1 : Dipole antenna 2) Configuration 2 : PCB Dipole antenna 3) Configuration 3 : Isolated Magnetic Dipole antenna				

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

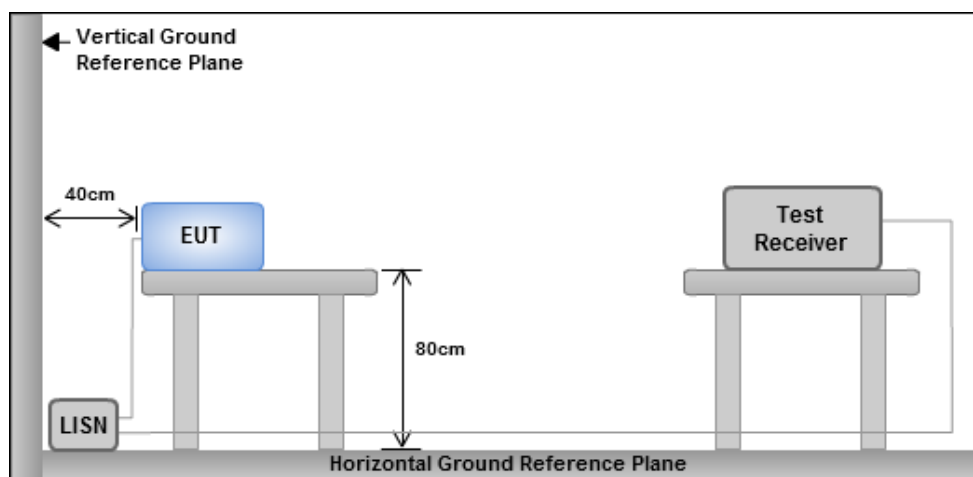
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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	HT40	Test Freq. (MHz)	5590																																																																																																																																							
Power Phase	Line																																																																																																																																									
Level (dBuV) Frequency (MHz) <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>LISN</th><th>cable</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>Line</th><th>Limit</th><th>Level</th><th>factor</th><th>loss</th><th>Remark</th></tr><tr><th></th><th></th><th></th><th>dBuV</th><th>dB</th><th>dBuV</th><th>dB</th><th>dB</th><th></th></tr></thead><tbody><tr><td>1</td><td>0.153</td><td>5.03</td><td>55.82</td><td>-50.79</td><td>4.90</td><td>0.11</td><td>0.02</td><td>Average</td></tr><tr><td>2</td><td>0.153</td><td>13.80</td><td>65.82</td><td>-52.02</td><td>13.67</td><td>0.11</td><td>0.02</td><td>QP</td></tr><tr><td>3</td><td>0.199</td><td>4.29</td><td>53.67</td><td>-49.38</td><td>4.16</td><td>0.11</td><td>0.02</td><td>Average</td></tr><tr><td>4</td><td>0.199</td><td>11.95</td><td>63.67</td><td>-51.72</td><td>11.82</td><td>0.11</td><td>0.02</td><td>QP</td></tr><tr><td>5</td><td>0.300</td><td>3.77</td><td>50.24</td><td>-46.47</td><td>3.62</td><td>0.12</td><td>0.03</td><td>Average</td></tr><tr><td>6</td><td>0.300</td><td>10.09</td><td>60.24</td><td>-50.15</td><td>9.94</td><td>0.12</td><td>0.03</td><td>QP</td></tr><tr><td>7</td><td>0.665</td><td>5.72</td><td>46.00</td><td>-40.28</td><td>5.54</td><td>0.13</td><td>0.05</td><td>Average</td></tr><tr><td>8</td><td>0.665</td><td>13.87</td><td>56.00</td><td>-42.13</td><td>13.69</td><td>0.13</td><td>0.05</td><td>QP</td></tr><tr><td>9</td><td>6.352</td><td>5.32</td><td>50.00</td><td>-44.68</td><td>4.96</td><td>0.22</td><td>0.14</td><td>Average</td></tr><tr><td>10</td><td>6.352</td><td>14.90</td><td>60.00</td><td>-45.10</td><td>14.54</td><td>0.22</td><td>0.14</td><td>QP</td></tr><tr><td>11@</td><td>19.326</td><td>24.36</td><td>50.00</td><td>-25.64</td><td>23.83</td><td>0.36</td><td>0.17</td><td>Average</td></tr><tr><td>12</td><td>19.326</td><td>32.66</td><td>60.00</td><td>-27.34</td><td>32.13</td><td>0.36</td><td>0.17</td><td>QP</td></tr></tbody></table>					Freq	Level	Limit	Over	Read	LISN	cable			MHz	dBuV	Line	Limit	Level	factor	loss	Remark				dBuV	dB	dBuV	dB	dB		1	0.153	5.03	55.82	-50.79	4.90	0.11	0.02	Average	2	0.153	13.80	65.82	-52.02	13.67	0.11	0.02	QP	3	0.199	4.29	53.67	-49.38	4.16	0.11	0.02	Average	4	0.199	11.95	63.67	-51.72	11.82	0.11	0.02	QP	5	0.300	3.77	50.24	-46.47	3.62	0.12	0.03	Average	6	0.300	10.09	60.24	-50.15	9.94	0.12	0.03	QP	7	0.665	5.72	46.00	-40.28	5.54	0.13	0.05	Average	8	0.665	13.87	56.00	-42.13	13.69	0.13	0.05	QP	9	6.352	5.32	50.00	-44.68	4.96	0.22	0.14	Average	10	6.352	14.90	60.00	-45.10	14.54	0.22	0.14	QP	11@	19.326	24.36	50.00	-25.64	23.83	0.36	0.17	Average	12	19.326	32.66	60.00	-27.34	32.13	0.36	0.17	QP
	Freq	Level	Limit	Over	Read	LISN	cable																																																																																																																																			
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark																																																																																																																																		
			dBuV	dB	dBuV	dB	dB																																																																																																																																			
1	0.153	5.03	55.82	-50.79	4.90	0.11	0.02	Average																																																																																																																																		
2	0.153	13.80	65.82	-52.02	13.67	0.11	0.02	QP																																																																																																																																		
3	0.199	4.29	53.67	-49.38	4.16	0.11	0.02	Average																																																																																																																																		
4	0.199	11.95	63.67	-51.72	11.82	0.11	0.02	QP																																																																																																																																		
5	0.300	3.77	50.24	-46.47	3.62	0.12	0.03	Average																																																																																																																																		
6	0.300	10.09	60.24	-50.15	9.94	0.12	0.03	QP																																																																																																																																		
7	0.665	5.72	46.00	-40.28	5.54	0.13	0.05	Average																																																																																																																																		
8	0.665	13.87	56.00	-42.13	13.69	0.13	0.05	QP																																																																																																																																		
9	6.352	5.32	50.00	-44.68	4.96	0.22	0.14	Average																																																																																																																																		
10	6.352	14.90	60.00	-45.10	14.54	0.22	0.14	QP																																																																																																																																		
11@	19.326	24.36	50.00	-25.64	23.83	0.36	0.17	Average																																																																																																																																		
12	19.326	32.66	60.00	-27.34	32.13	0.36	0.17	QP																																																																																																																																		
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).																																																																																																																																										

Modulation	HT40	Test Freq. (MHz)	5590
Power Phase	Neutral		

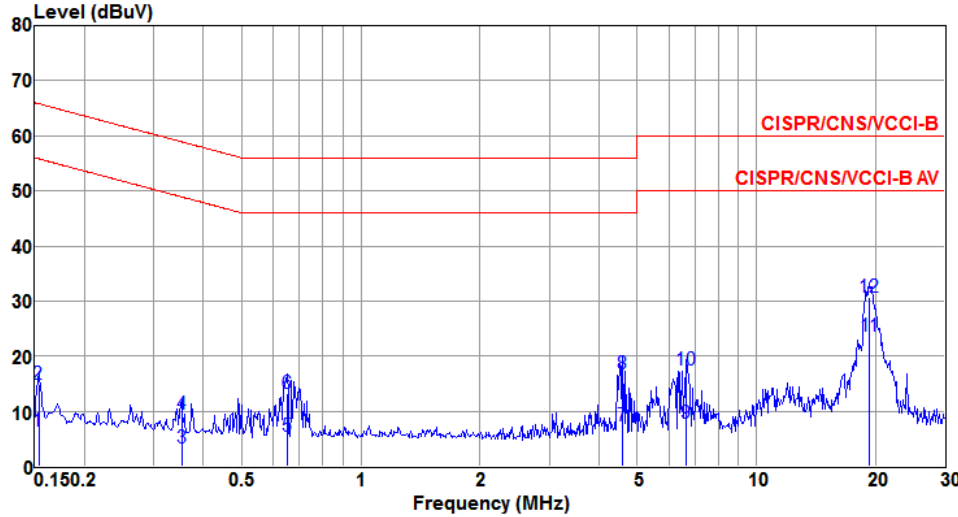
Level (dBuV)

	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.152	8.35	55.87	-47.52	8.20	0.13	0.02	Average
2	0.152	14.65	65.87	-51.22	14.50	0.13	0.02	QP
3	0.297	6.36	50.32	-43.96	6.21	0.12	0.03	Average
4	0.297	11.95	60.32	-48.37	11.80	0.12	0.03	QP
5	0.408	6.65	47.68	-41.03	6.48	0.14	0.03	Average
6	0.408	13.35	57.68	-44.33	13.18	0.14	0.03	QP
7	0.665	9.46	46.00	-36.54	9.28	0.13	0.05	Average
8	0.665	15.93	56.00	-40.07	15.75	0.13	0.05	QP
9	6.454	11.64	50.00	-38.36	11.28	0.22	0.14	Average
10	6.454	17.63	60.00	-42.37	17.27	0.22	0.14	QP
11@	19.529	21.23	50.00	-28.77	20.66	0.40	0.17	Average
12	19.529	30.11	60.00	-29.89	29.54	0.40	0.17	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	11a	Test Freq. (MHz)	5785
Power Phase	Line		



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	LISN factor dB	cable loss dB	Remark
1	0.153	6.44	55.82	-49.38	6.31	0.11	0.02	Average
2	0.153	14.78	65.82	-51.04	14.65	0.11	0.02	QP
3	0.352	3.36	48.91	-45.55	3.20	0.13	0.03	Average
4	0.352	9.37	58.91	-49.54	9.21	0.13	0.03	QP
5	0.651	5.39	46.00	-40.61	5.21	0.13	0.05	Average
6	0.651	13.32	56.00	-42.68	13.14	0.13	0.05	QP
7	4.598	7.36	46.00	-38.64	7.03	0.20	0.13	Average
8	4.598	16.74	56.00	-39.26	16.41	0.20	0.13	QP
9	6.662	7.86	50.00	-42.14	7.50	0.22	0.14	Average
10	6.662	17.52	60.00	-42.48	17.16	0.22	0.14	QP
11@	19.326	23.57	50.00	-26.43	23.04	0.36	0.17	Average
12	19.326	30.58	60.00	-29.42	30.05	0.36	0.17	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)	5785																																																																																																																																							
Power Phase	Neutral																																																																																																																																									
Level (dBuV) <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>LISN</th><th>cable</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>Line</th><th>Limit</th><th>Level</th><th>factor</th><th>loss</th><th>Remark</th></tr><tr><th></th><th></th><th></th><th>dBuV</th><th>dB</th><th>dBuV</th><th>dB</th><th>dB</th><th></th></tr></thead><tbody><tr><td>1</td><td>0.159</td><td>4.98</td><td>55.52</td><td>-50.54</td><td>4.84</td><td>0.12</td><td>0.02</td><td>Average</td></tr><tr><td>2</td><td>0.159</td><td>12.50</td><td>65.52</td><td>-53.02</td><td>12.36</td><td>0.12</td><td>0.02</td><td>QP</td></tr><tr><td>3</td><td>0.307</td><td>4.93</td><td>50.06</td><td>-45.13</td><td>4.78</td><td>0.12</td><td>0.03</td><td>Average</td></tr><tr><td>4</td><td>0.307</td><td>12.86</td><td>60.06</td><td>-47.20</td><td>12.71</td><td>0.12</td><td>0.03</td><td>QP</td></tr><tr><td>5</td><td>0.402</td><td>6.86</td><td>47.81</td><td>-40.95</td><td>6.69</td><td>0.14</td><td>0.03</td><td>Average</td></tr><tr><td>6</td><td>0.402</td><td>14.59</td><td>57.81</td><td>-43.22</td><td>14.42</td><td>0.14</td><td>0.03</td><td>QP</td></tr><tr><td>7</td><td>0.661</td><td>6.97</td><td>46.00</td><td>-39.03</td><td>6.79</td><td>0.13</td><td>0.05</td><td>Average</td></tr><tr><td>8</td><td>0.661</td><td>16.85</td><td>56.00</td><td>-39.15</td><td>16.67</td><td>0.13</td><td>0.05</td><td>QP</td></tr><tr><td>9</td><td>4.501</td><td>9.06</td><td>46.00</td><td>-36.94</td><td>8.76</td><td>0.18</td><td>0.12</td><td>Average</td></tr><tr><td>10</td><td>4.501</td><td>18.32</td><td>56.00</td><td>-37.68</td><td>18.02</td><td>0.18</td><td>0.12</td><td>QP</td></tr><tr><td>11@</td><td>19.326</td><td>21.46</td><td>50.00</td><td>-28.54</td><td>20.90</td><td>0.39</td><td>0.17</td><td>Average</td></tr><tr><td>12</td><td>19.326</td><td>29.99</td><td>60.00</td><td>-30.01</td><td>29.43</td><td>0.39</td><td>0.17</td><td>QP</td></tr></tbody></table>					Freq	Level	Limit	Over	Read	LISN	cable			MHz	dBuV	Line	Limit	Level	factor	loss	Remark				dBuV	dB	dBuV	dB	dB		1	0.159	4.98	55.52	-50.54	4.84	0.12	0.02	Average	2	0.159	12.50	65.52	-53.02	12.36	0.12	0.02	QP	3	0.307	4.93	50.06	-45.13	4.78	0.12	0.03	Average	4	0.307	12.86	60.06	-47.20	12.71	0.12	0.03	QP	5	0.402	6.86	47.81	-40.95	6.69	0.14	0.03	Average	6	0.402	14.59	57.81	-43.22	14.42	0.14	0.03	QP	7	0.661	6.97	46.00	-39.03	6.79	0.13	0.05	Average	8	0.661	16.85	56.00	-39.15	16.67	0.13	0.05	QP	9	4.501	9.06	46.00	-36.94	8.76	0.18	0.12	Average	10	4.501	18.32	56.00	-37.68	18.02	0.18	0.12	QP	11@	19.326	21.46	50.00	-28.54	20.90	0.39	0.17	Average	12	19.326	29.99	60.00	-30.01	29.43	0.39	0.17	QP
	Freq	Level	Limit	Over	Read	LISN	cable																																																																																																																																			
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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.

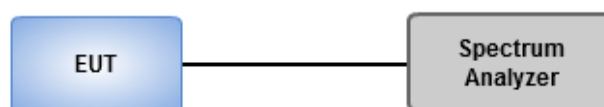
Occupied Bandwidth

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

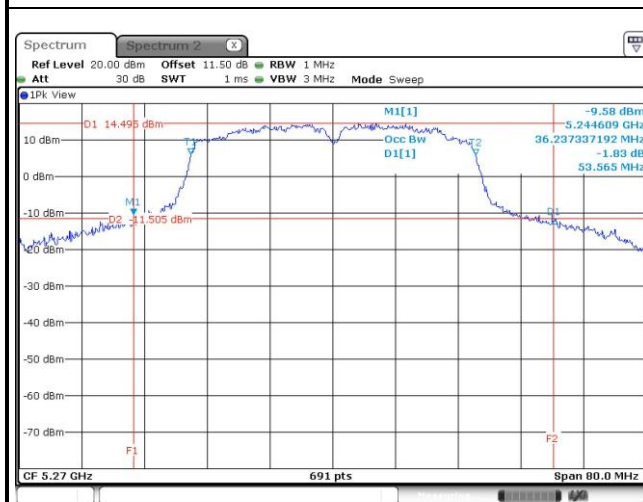
For Frequency band 5150~5250 MHz										
Mode	N _{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
11a	2	5180	35.07	32.39	---	---	16.84	16.62	---	---
11a	2	5200	37.46	32.75	---	---	16.78	16.63	---	---
11a	2	5240	36.81	31.88	---	---	16.99	16.68	---	---
HT20	2	5180	26.49	21.16	---	---	17.77	17.69	---	---
HT20	2	5200	41.23	24.93	---	---	17.92	17.81	---	---
HT20	2	5240	39.13	25.94	---	---	17.89	17.77	---	---
HT40	2	5190	41.39	42.44	---	---	35.92	35.92	---	---
HT40	2	5230	48.93	43.94	---	---	36.38	36.10	---	---

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	35.43	31.52	---	---	16.97	16.68	---	---	24.00
11a	2	5300	31.45	26.81	---	---	16.78	16.65	---	---	24.00
11a	2	5320	20.64	20.46	---	---	16.48	16.53	---	---	24.00
HT20	2	5260	35.00	26.30	---	---	17.82	17.81	---	---	24.00
HT20	2	5300	26.14	23.42	---	---	17.77	17.77	---	---	24.00
HT20	2	5320	20.99	21.62	---	---	17.63	17.71	---	---	24.00
HT40	2	5270	53.57	46.61	---	---	36.20	36.08	---	---	24.00
HT40	2	5310	43.36	42.20	---	---	35.94	35.96	---	---	24.00

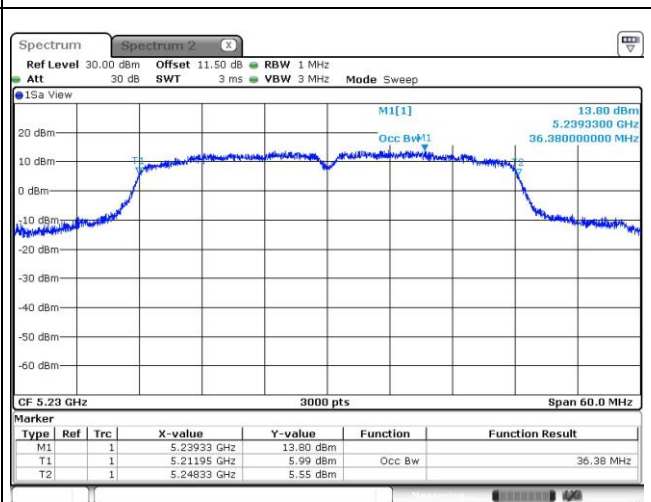
For Frequency band 5470~5725 MHz

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	21.57	21.22	---	---	16.58	16.57	---	---	24.00
11a	2	5580	24.93	21.91	---	---	16.59	16.63	---	---	24.00
11a	2	5700	20.58	20.58	---	---	16.50	16.54	---	---	24.00
HT20	2	5500	21.33	21.57	---	---	17.67	17.69	---	---	24.00
HT20	2	5580	23.13	22.49	---	---	17.72	17.73	---	---	24.00
HT20	2	5700	21.10	21.16	---	---	17.65	17.68	---	---	24.00
HT40	2	5510	42.90	43.13	---	---	35.92	35.96	---	---	24.00
HT40	2	5590	52.87	46.61	---	---	36.20	36.10	---	---	24.00
HT40	2	5670	43.71	44.99	---	---	35.96	36.00	---	---	24.00

Worst Plot of 26dB Bandwidth



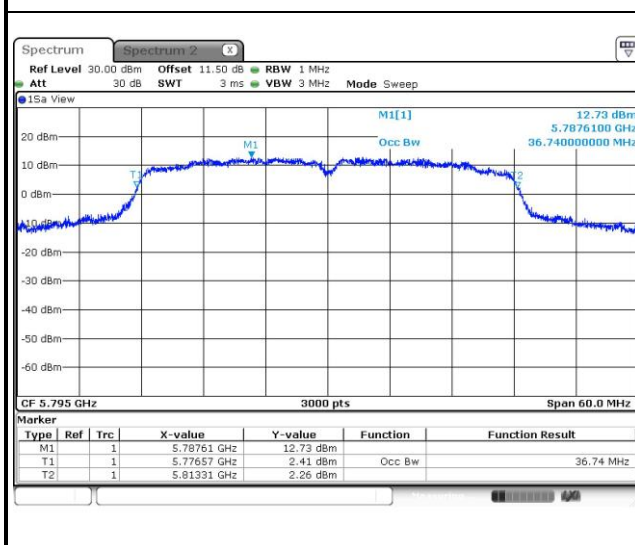
Worst Plot of 99% Bandwidth



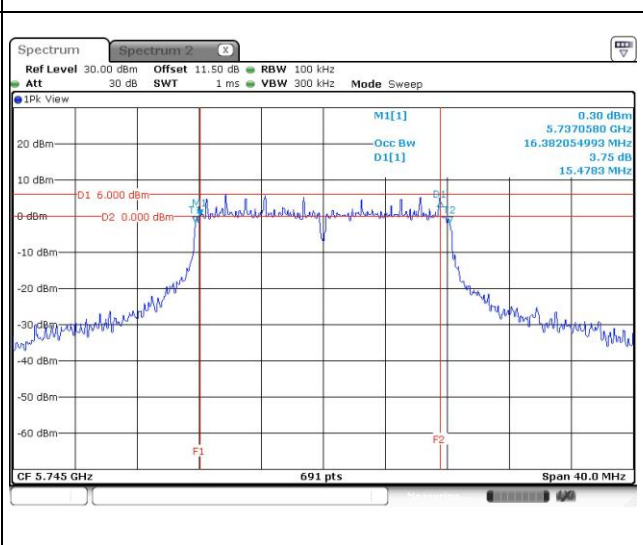
For Frequency band 5725-5850 MHz

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	16.52	16.50	---	---	15.48	15.94	---	---	0.5
11a	2	5785	20.54	16.80	---	---	15.65	16.06	---	---	0.5
11a	2	5825	19.31	16.50	---	---	16.06	16.35	---	---	0.5
HT20	2	5745	17.61	17.63	---	---	16.75	16.75	---	---	0.5
HT20	2	5785	18.28	17.99	---	---	15.88	15.65	---	---	0.5
HT20	2	5825	19.58	17.71	---	---	15.88	16.81	---	---	0.5
HT40	2	5755	35.80	35.84	---	---	33.86	35.01	---	---	0.5
HT40	2	5795	36.74	35.84	---	---	32.70	35.01	---	---	0.5

Worst Plot of 99% Bandwidth



Worst Plot 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
☒	Mobile and portable client devices	Conducted Power: 250 mW

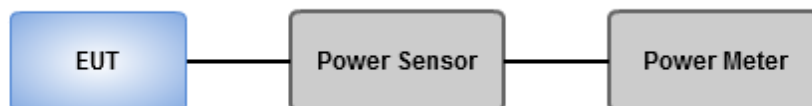
Frequency Band (MHz)		Limit
☒	5250 ~ 5350	250mW or 11dBm+10 log B
☒	5470 ~ 5725	250mW or 11dBm+10 log B
☒	5725 ~ 5850	1 W

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	19.14	18.15	---	---	147.348	21.68	24.00
11a	2	5200	19.29	17.95	---	---	147.292	21.68	24.00
11a	2	5240	19.05	18.03	---	---	143.886	21.58	24.00
HT20	2	5180	17.92	16.27	---	---	104.308	20.18	24.00
HT20	2	5200	19.12	17.88	---	---	143.034	21.55	24.00
HT20	2	5240	18.87	17.76	---	---	136.794	21.36	24.00
HT40	2	5190	14.75	13.7	---	---	53.296	17.27	24.00
HT40	2	5230	18.78	18.08	---	---	139.778	21.45	24.00

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	19.18	17.93	---	---	144.881	21.61	24.00
11a	2	5300	18.38	18.07	---	---	132.986	21.24	24.00
11a	2	5320	16.02	15.98	---	---	79.622	19.01	24.00
HT20	2	5260	18.43	18.08	---	---	133.931	21.27	24.00
HT20	2	5300	18.41	18.12	---	---	134.206	21.28	24.00
HT20	2	5320	16.74	16.89	---	---	96.072	19.83	24.00
HT40	2	5270	18.73	18.86	---	---	151.558	21.81	24.00
HT40	2	5310	17.92	16.24	---	---	104.017	20.17	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	17.04	17.13	---	---	102.224	20.10	24.00
11a	2	5580	18.05	17.97	---	---	126.488	21.02	24.00
11a	2	5700	15.24	15.75	---	---	71.003	18.51	24.00
HT20	2	5500	16.78	16.54	---	---	92.725	19.67	24.00
HT20	2	5580	17.77	17.75	---	---	119.407	20.77	24.00
HT20	2	5700	15.4	14.37	---	---	62.026	17.93	24.00
HT40	2	5510	15.87	16.11	---	---	79.469	19.00	24.00
HT40	2	5590	18.76	19.1	---	---	156.445	21.94	24.00
HT40	2	5670	17.02	17.61	---	---	108.027	20.34	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	16.37	16.19	---	---	84.942	19.29	30.00
11a	2	5785	18.92	17.94	---	---	140.213	21.47	30.00
11a	2	5825	18.13	16.05	---	---	105.285	20.22	30.00
HT20	2	5745	15.74	15.64	---	---	74.141	18.70	30.00
HT20	2	5785	18.54	17.42	---	---	126.657	21.03	30.00
HT20	2	5825	17.75	16.87	---	---	108.207	20.34	30.00
HT40	2	5755	14.75	14.45	---	---	57.715	17.61	30.00
HT40	2	5795	18.57	16.43	---	---	115.899	20.64	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
☒	Mobile and portable 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

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

☐ Method SA-2 Alternative

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

For 5725~5850 MHz

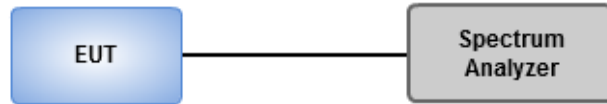
☒ Method SA-1

1. Set RBW = 500 kHz, VBW = 2 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

☐ Method SA-2 Alternative

1. Set RBW = 500 kHz, VBW = 2 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

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	8.46	0.00	8.46	10.09
11a	2	5200	8.45	0.00	8.45	10.09
11a	2	5240	8.36	0.00	8.36	10.09
HT20	2	5180	7.08	0.00	7.08	10.09
HT20	2	5200	7.78	0.00	7.78	10.09
HT20	2	5240	8.06	0.00	8.06	10.09
HT40	2	5190	1.84	0.00	1.84	10.09
HT40	2	5230	5.42	0.00	5.42	10.09
11a	2	5260	8.57	0.00	8.57	10.09
11a	2	5300	8.52	0.00	8.52	10.09
11a	2	5320	5.93	0.00	5.93	10.09
HT20	2	5260	8.12	0.00	8.12	10.09
HT20	2	5300	8.38	0.00	8.38	10.09
HT20	2	5320	6.50	0.00	6.50	10.09
HT40	2	5270	5.89	0.00	5.89	10.09
HT40	2	5310	4.30	0.00	4.30	10.09

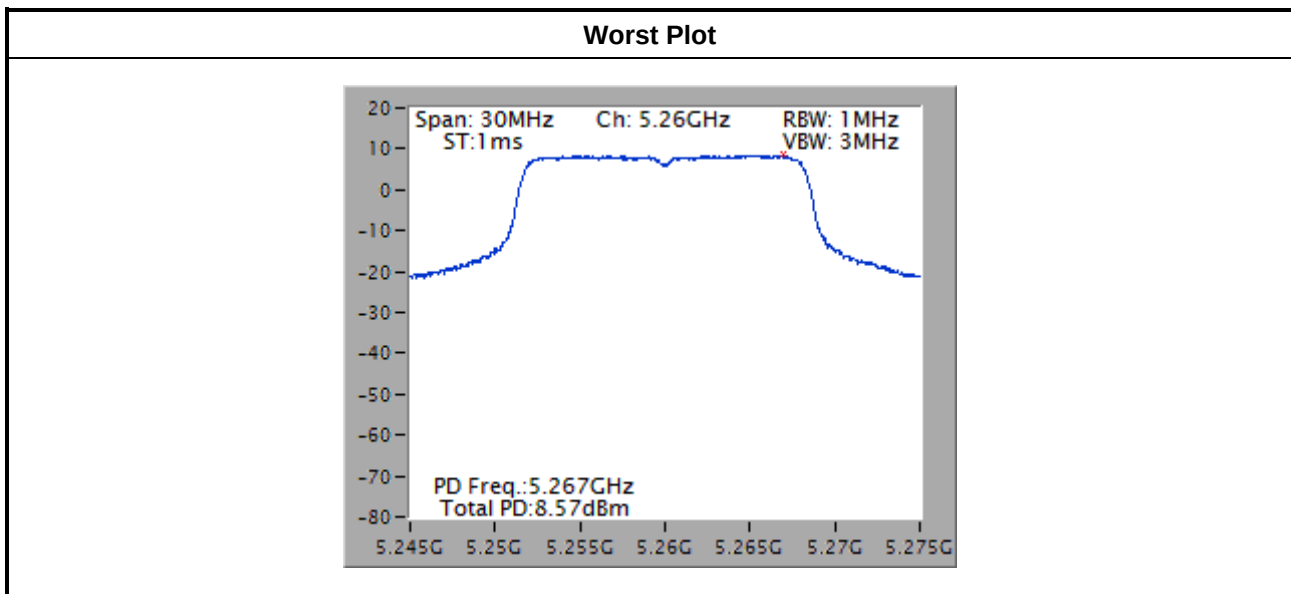
Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $3.9 + 10 * \log(2/1) = 6.91 \text{ dBi} > 6 \text{ dBi}$.
For 5150~5350MHz:
Limit shall be reduced to $11 \text{ dBm} - (6.91 \text{ dBi} - 6 \text{ dBi}) = 10.09 \text{ dBm}$.

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	6.78	0.00	6.78	9.99
11a	2	5580	7.94	0.00	7.94	9.99
11a	2	5700	5.57	0.00	5.57	9.99
HT20	2	5500	6.39	0.00	6.39	9.99
HT20	2	5580	7.09	0.00	7.09	9.99
HT20	2	5700	4.39	0.00	4.39	9.99
HT40	2	5510	3.39	0.00	3.39	9.99
HT40	2	5590	5.67	0.00	5.67	9.99
HT40	2	5670	4.87	0.00	4.87	9.99

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $4 + 10 \cdot \log(2/1) = 7.01 \text{ dBi} > 6 \text{ dBi}$.
For 5500~5700MHz:
Limit shall be reduced to $11 \text{ dBm} - (7.01 \text{ dBi} - 6 \text{ dBi}) = 9.99 \text{ dBm}$.

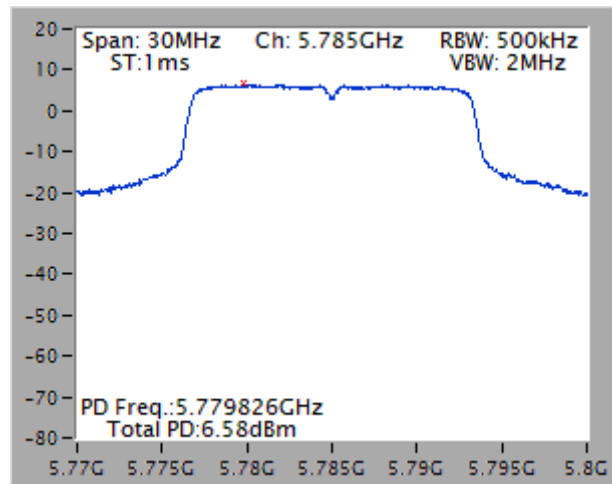


Frequency band			5725-5850 MHz			
Condition			Peak Power Spectral Density (dBm/500kHz)			
Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/500kHz)	Duty Factor (dB)	PPSD with D.F (dBm/500kHz)	PPSD Limit (dBm/500kHz)
11a	2	5745	4.38	0.00	4.38	28.99
11a	2	5785	6.58	0.00	6.58	28.99
11a	2	5825	5.91	0.00	5.91	28.99
HT20	2	5745	3.74	0.00	3.74	28.99
HT20	2	5785	5.15	0.00	5.15	28.99
HT20	2	5825	4.73	0.00	4.73	28.99
HT40	2	5755	0.01	0.00	0.01	28.99
HT40	2	5795	2.86	0.00	2.86	28.99

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = $4 + 10 \cdot \log(2/1) = 7.01 \text{ dBi} > 6 \text{ dBi}$.
For 5745~5825MHz:
Limit shall be reduced to $30 \text{ dBm} - (7.01 \text{ dBi} - 6 \text{ dBi}) = 28.99 \text{ dBm}$.

Worst Plot



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	5.715 5.725 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] 5.825 5.835 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.5.2 Test Procedures

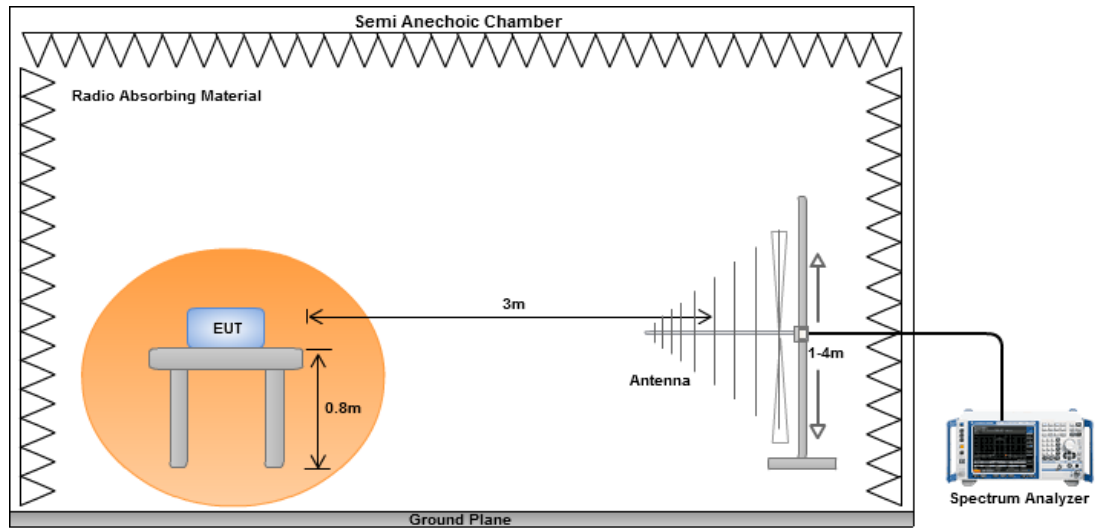
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360° . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

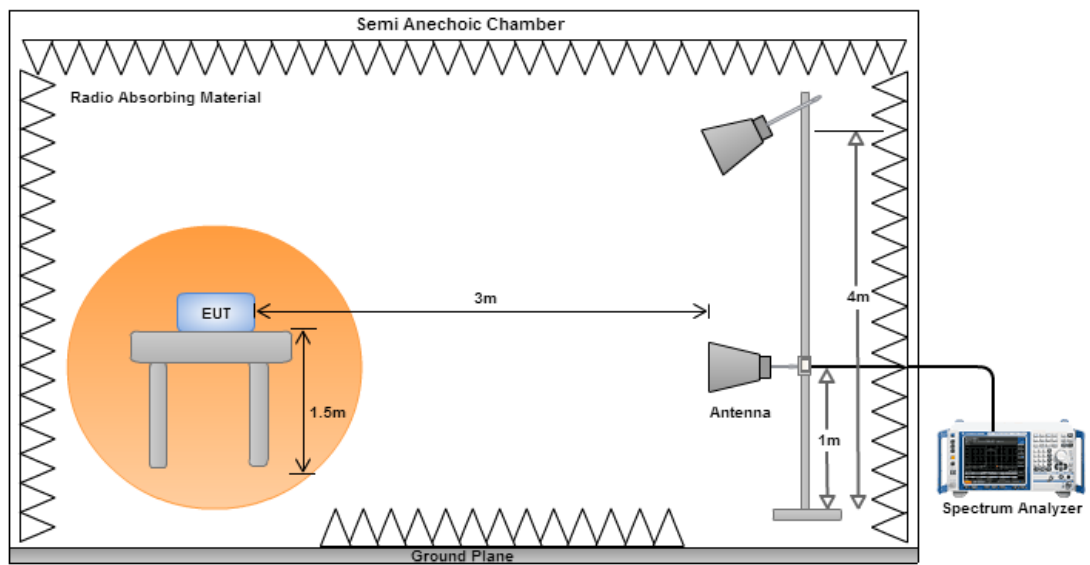
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



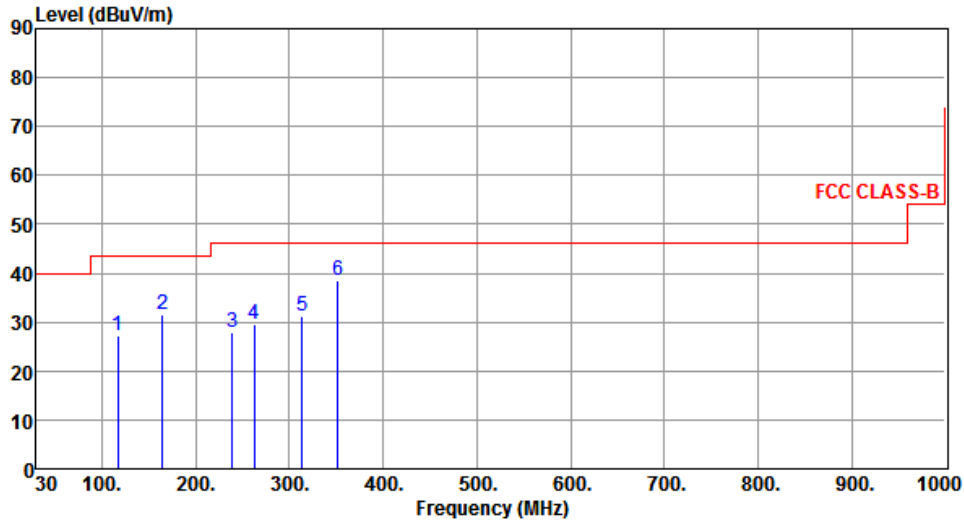
Radiated Emissions above 1 GHz



Test Configuration 1: Dipole antenna

3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	1

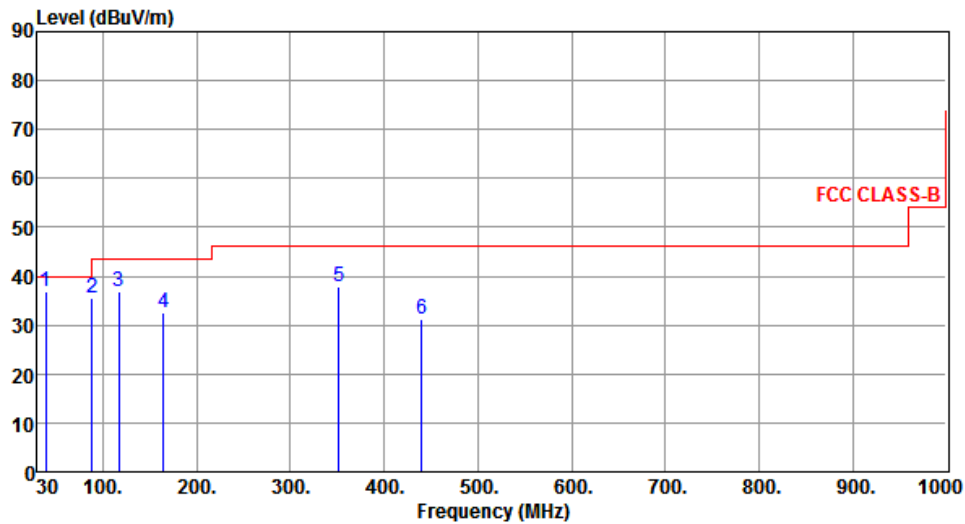


The graph displays the emission level in dBuV/m on the y-axis (0 to 90) against frequency in MHz on the x-axis (30 to 1000). A red line represents the FCC CLASS-B limit, which is 40 dBuV/m from 30 to 100 MHz, 45 dBuV/m from 100 to 300 MHz, and 55 dBuV/m from 300 to 1000 MHz. Six blue vertical lines indicate measured peaks at 117.30, 164.83, 239.52, 262.80, 313.24, and 352.04 MHz, labeled 1 through 6 respectively.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	117.30	27.17	43.50	-16.33	43.03	-15.86	Peak	---	---
2	164.83	31.67	43.50	-11.83	45.25	-13.58	Peak	---	---
3	239.52	27.79	46.00	-18.21	42.55	-14.76	Peak	---	---
4	262.80	29.48	46.00	-16.52	43.53	-14.05	Peak	---	---
5	313.24	31.21	46.00	-14.79	43.68	-12.47	Peak	---	---
6	352.04	38.69	46.00	-7.31	50.10	-11.41	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	HT40	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	38.73	36.79	40.00	-3.21	50.25	-13.46	QP	100	5
2	88.20	35.47	43.50	-8.03	54.70	-19.23	Peak	---	---
3	117.30	36.73	43.50	-6.77	52.59	-15.86	Peak	---	---
4	164.83	32.38	43.50	-11.12	45.96	-13.58	Peak	---	---
5	352.04	37.86	46.00	-8.14	49.27	-11.41	Peak	---	---
6	440.31	31.20	46.00	-14.80	40.27	-9.07	Peak	---	---

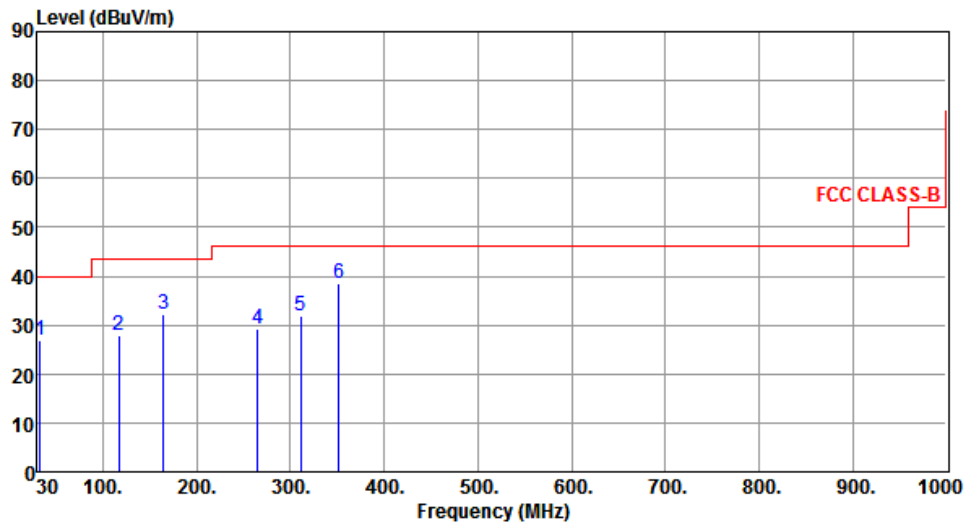
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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)	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	32.91	26.89	40.00	-13.11	40.86	-13.97	Peak	---	---
2	117.30	27.95	43.50	-15.55	43.81	-15.86	Peak	---	---
3	164.83	32.09	43.50	-11.41	45.67	-13.58	Peak	---	---
4	264.74	29.20	46.00	-16.80	43.15	-13.95	Peak	---	---
5	311.30	31.85	46.00	-14.15	44.37	-12.52	Peak	---	---
6	352.04	38.55	46.00	-7.45	49.96	-11.41	Peak	---	---

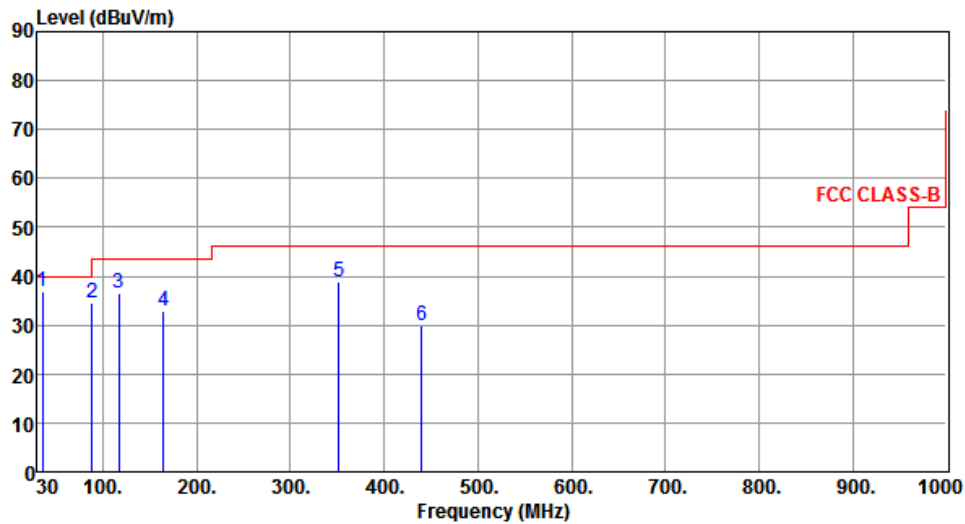
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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)	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	35.82	36.80	40.00	-3.20	50.58	-13.78	QP	100	6
2	88.20	34.54	43.50	-8.96	53.77	-19.23	Peak	---	---
3	117.30	36.69	43.50	-6.81	52.55	-15.86	Peak	---	---
4	164.83	32.93	43.50	-10.57	46.51	-13.58	Peak	---	---
5	352.04	38.85	46.00	-7.15	50.26	-11.41	Peak	---	---
6	440.31	29.96	46.00	-16.04	39.03	-9.07	Peak	---	---

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

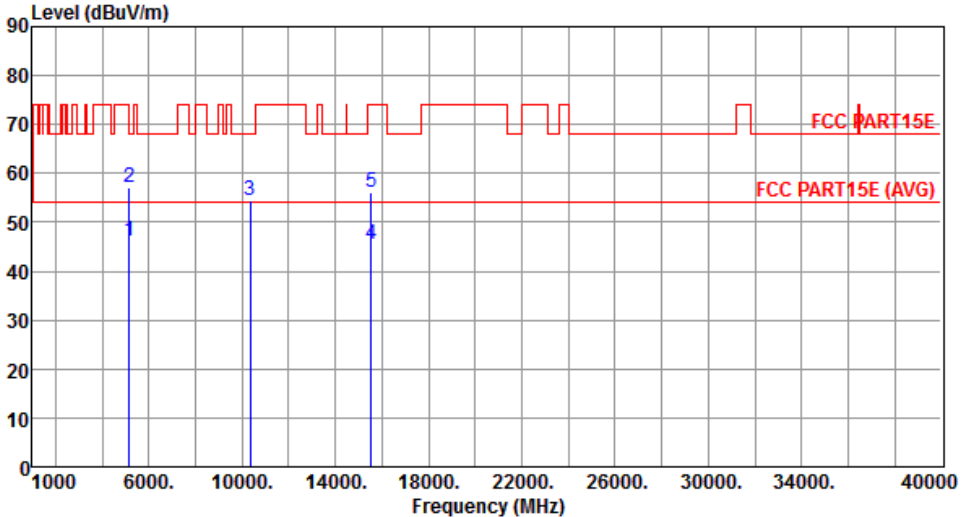
*Factor includes antenna factor , cable loss and amplifier gain

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

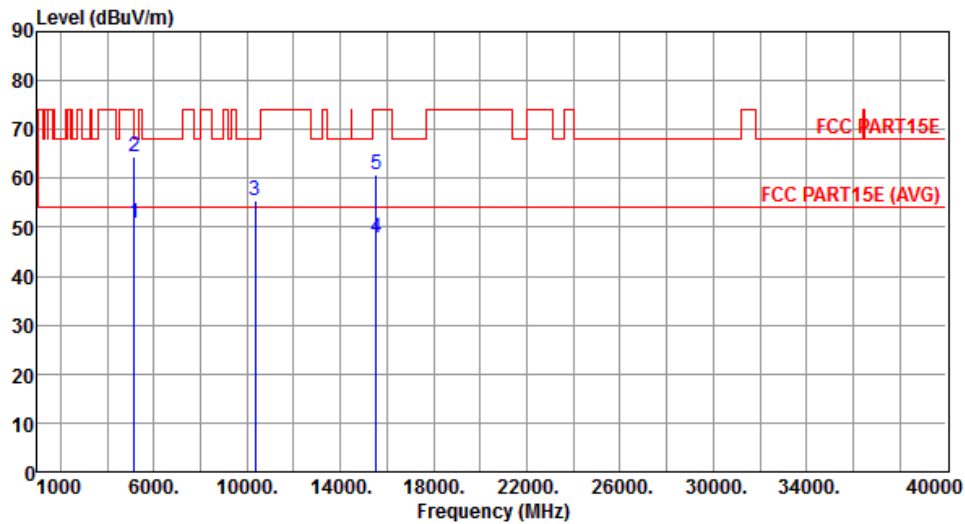
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	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	46.15	54.00	-7.85	39.84	6.31	Average	347	267
2	5150.00	57.00	74.00	-17.00	50.69	6.31	Peak	347	267
3	10360.00	54.60	68.20	-13.60	38.26	16.34	Peak	322	57
4	15540.00	45.44	54.00	-8.56	27.94	17.50	Average	264	20
5	15540.00	56.08	74.00	-17.92	38.58	17.50	Peak	264	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



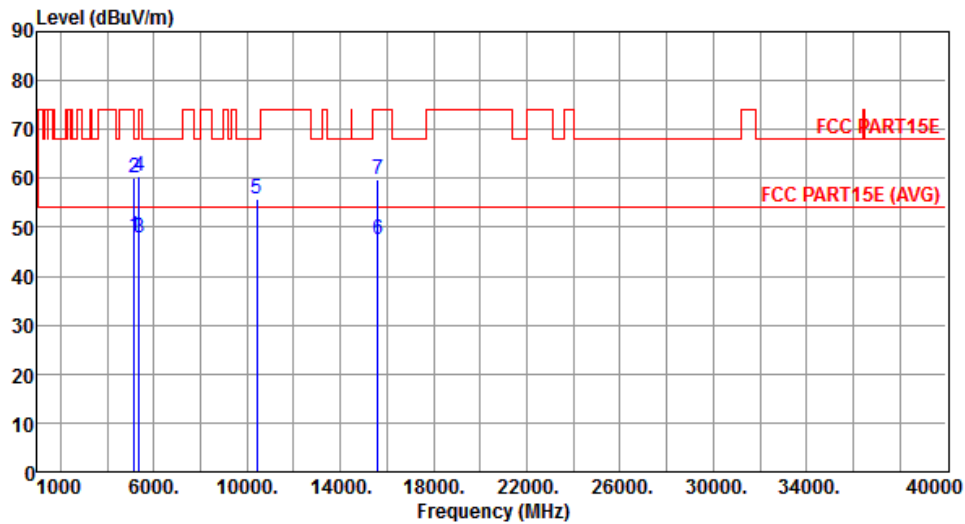
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.74	54.00	-3.26	44.43	6.31	Average	100	268
2	5150.00	64.50	74.00	-9.50	58.19	6.31	Peak	100	268
3	10360.00	55.32	68.20	-12.88	38.98	16.34	Peak	218	128
4	15540.00	47.67	54.00	-6.33	30.17	17.50	Average	196	145
5	15540.00	60.74	74.00	-13.26	43.24	17.50	Peak	196	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	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



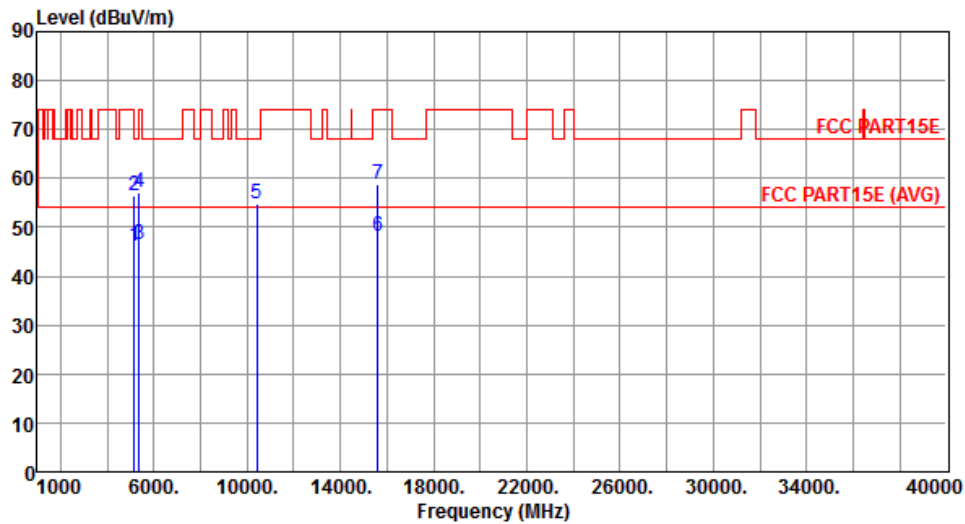
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.16	54.00	-5.84	41.85	6.31	Average	166	214
2	5150.00	59.98	74.00	-14.02	53.67	6.31	Peak	166	214
3	5350.00	47.85	54.00	-6.15	41.23	6.62	Average	166	214
4	5350.00	60.30	74.00	-13.70	53.68	6.62	Peak	166	214
5	10400.00	55.67	68.20	-12.53	39.25	16.42	Peak	244	154
6	15600.00	47.46	54.00	-6.54	30.08	17.38	Average	200	157
7	15600.00	59.94	74.00	-14.06	42.56	17.38	Peak	200	157

Note 1: Emission Level (dBUV/m) = SA Reading (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



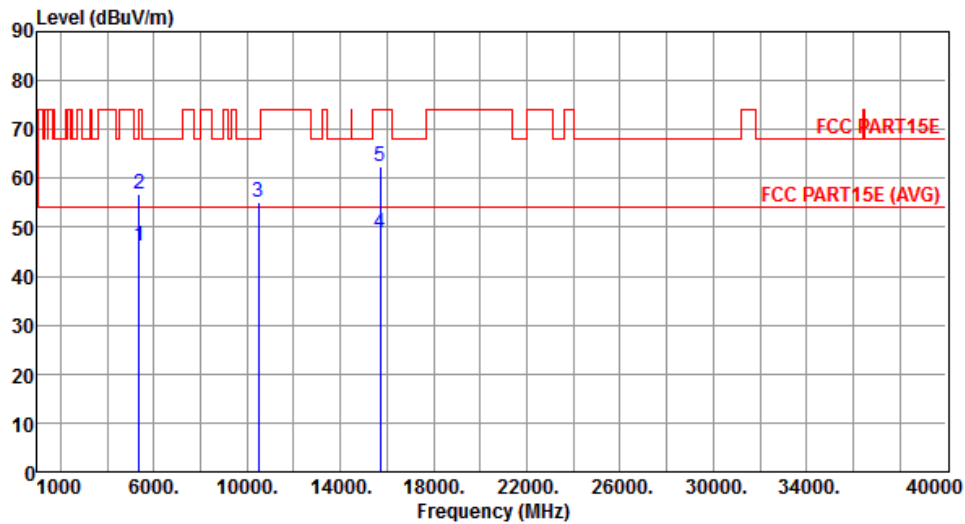
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.17	54.00	-7.83	39.86	6.31	Average	100	340
2	5150.00	56.60	74.00	-17.40	50.29	6.31	Peak	100	340
3	5350.00	46.50	54.00	-7.50	39.88	6.62	Average	100	340
4	5350.00	57.15	74.00	-16.85	50.53	6.62	Peak	100	340
5	10400.00	54.68	68.20	-13.52	38.26	16.42	Peak	254	138
6	15600.00	48.14	54.00	-5.86	30.76	17.38	Average	100	168
7	15600.00	58.65	74.00	-15.35	41.27	17.38	Peak	100	168

Note 1: Emission Level (dBUV/m) = SA Reading (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



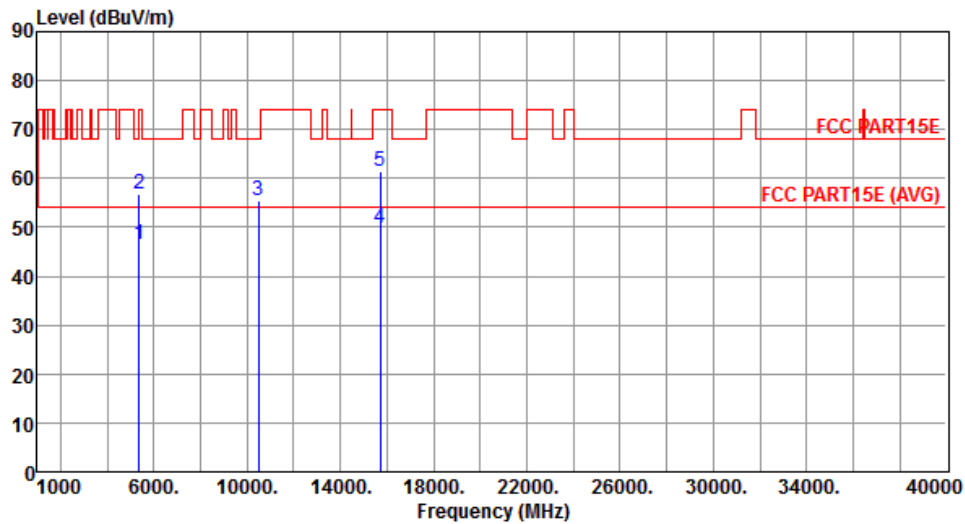
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.18	54.00	-7.82	39.56	6.62	Average	182	256
2	5350.00	56.80	74.00	-17.20	50.18	6.62	Peak	182	256
3	10480.00	55.21	68.20	-12.99	38.65	16.56	Peak	168	266
4	15720.00	48.72	54.00	-5.28	31.57	17.15	Average	156	212
5	15720.00	62.47	74.00	-11.53	45.32	17.15	Peak	156	212

Note 1: Emission Level (dBuV/m) = SA Reading (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



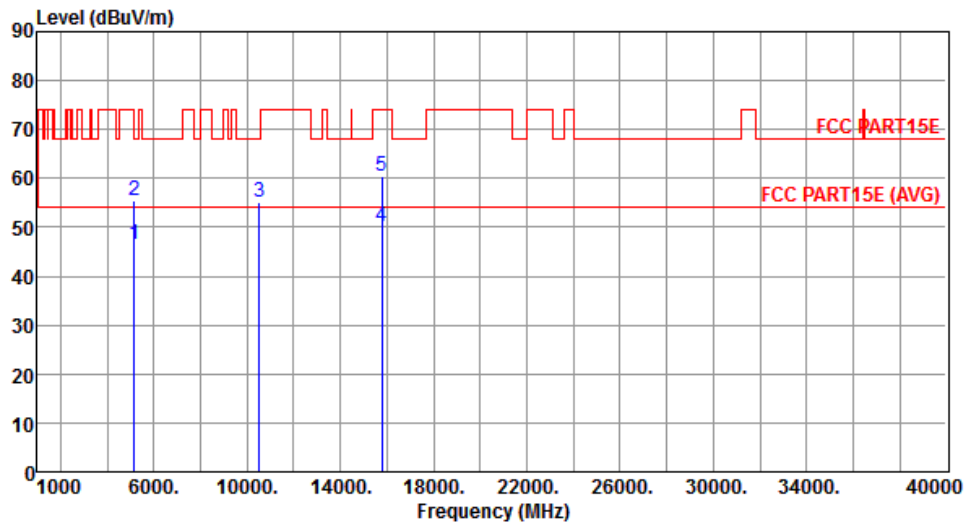
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.37	54.00	-7.63	39.75	6.62	Average	125	343
2	5350.00	56.88	74.00	-17.12	50.26	6.62	Peak	125	343
3	10480.00	55.45	68.20	-12.75	38.89	16.56	Peak	271	299
4	15720.00	49.91	54.00	-4.09	32.76	17.15	Average	202	159
5	15720.00	61.42	74.00	-12.58	44.27	17.15	Peak	202	159

Note 1: Emission Level (dBUV/m) = SA Reading (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



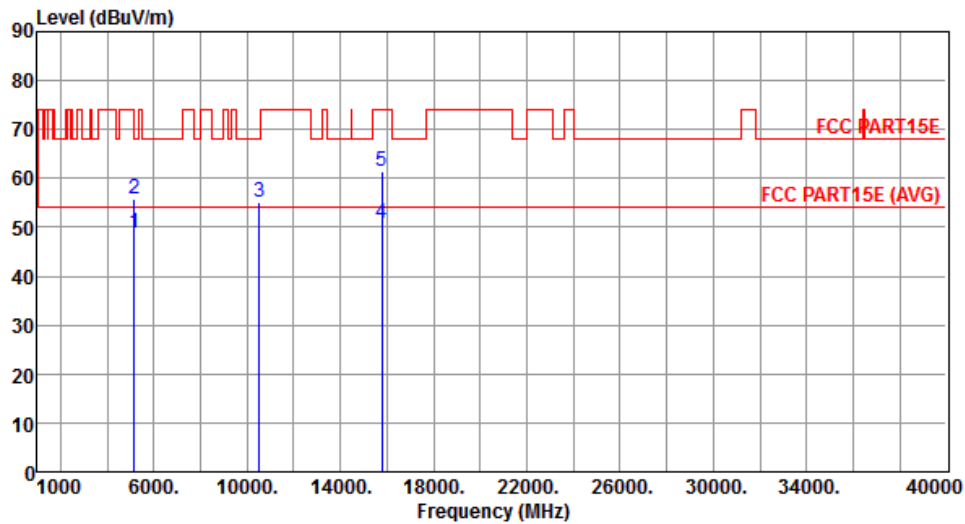
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.65	54.00	-7.35	40.34	6.31	Average	163	218
2	5150.00	55.53	74.00	-18.47	49.22	6.31	Peak	163	218
3	10520.00	55.26	68.20	-12.94	38.66	16.60	Peak	216	168
4	15780.00	50.29	54.00	-3.71	33.24	17.05	Average	188	165
5	15780.00	60.35	74.00	-13.65	43.30	17.05	Peak	188	165

Note 1: Emission Level (dBUV/m) = SA Reading (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



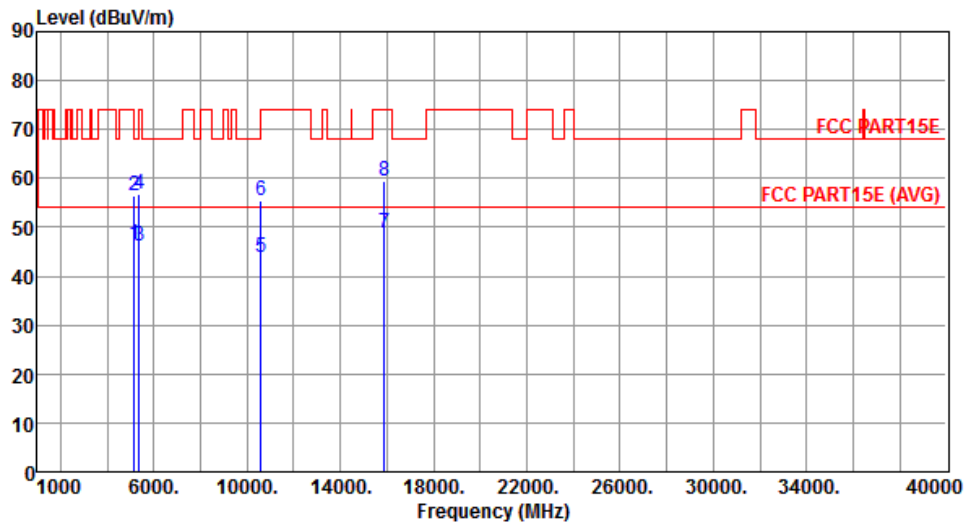
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.65	54.00	-5.35	42.34	6.31	Average	145	197
2	5150.00	55.89	74.00	-18.11	49.58	6.31	Peak	145	197
3	10520.00	55.02	68.20	-13.18	38.42	16.60	Peak	186	237
4	15780.00	50.80	54.00	-3.20	33.75	17.05	Average	250	149
5	15780.00	61.54	74.00	-12.46	44.49	17.05	Peak	250	149

Note 1: Emission Level (dBuV/m) = SA Reading (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



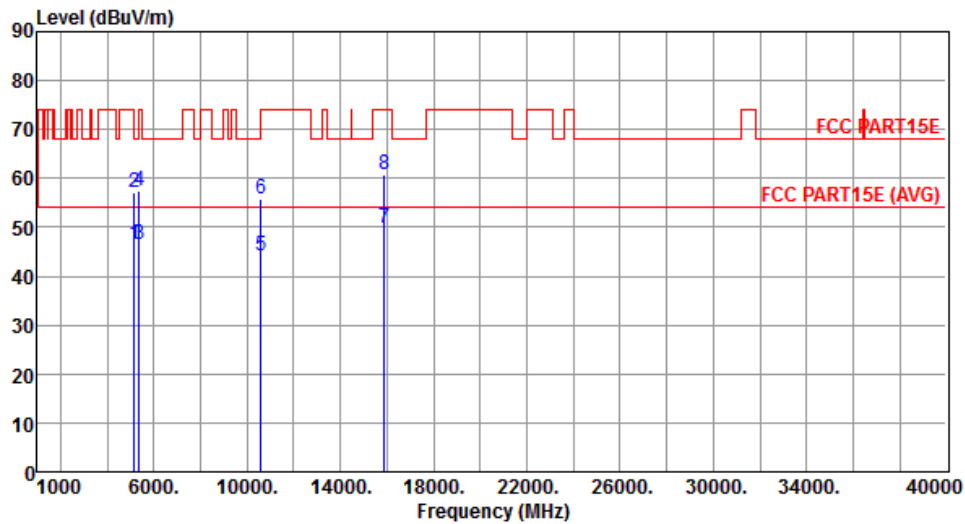
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.41	54.00	-7.59	40.10	6.31	Average	188	173
2	5150.00	56.54	74.00	-17.46	50.23	6.31	Peak	188	173
3	5350.00	46.00	54.00	-8.00	39.38	6.62	Average	188	173
4	5350.00	56.87	74.00	-17.13	50.25	6.62	Peak	188	173
5	10600.00	43.88	54.00	-10.12	27.26	16.62	Average	250	215
6	10600.00	55.30	74.00	-18.70	38.68	16.62	Peak	250	215
7	15900.00	48.97	54.00	-5.03	32.15	16.82	Average	188	143
8	15900.00	59.50	74.00	-14.50	42.68	16.82	Peak	188	143

Note 1: Emission Level (dBuV/m) = SA Reading (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



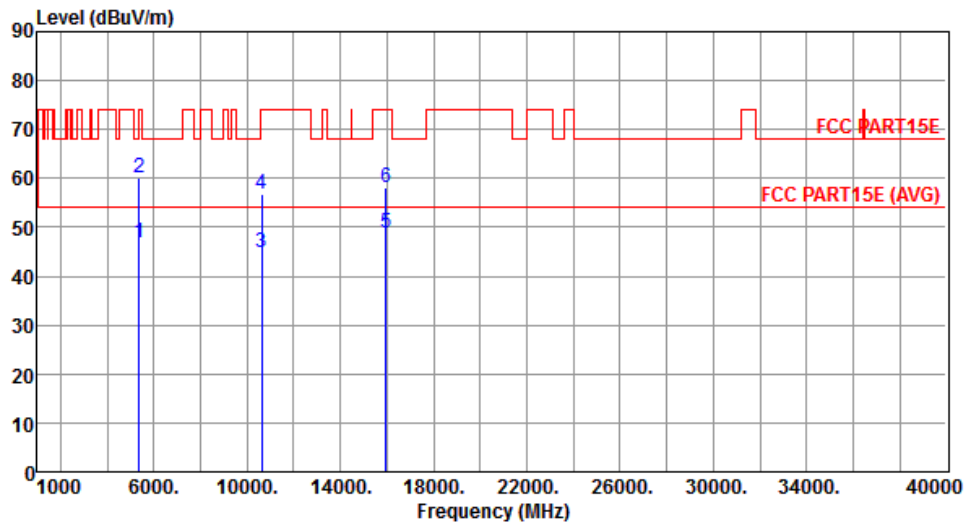
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.56	54.00	-7.44	40.25	6.31	Average	150	232
2	5150.00	57.12	74.00	-16.88	50.81	6.31	Peak	150	232
3	5350.00	46.49	54.00	-7.51	39.87	6.62	Average	150	232
4	5350.00	57.51	74.00	-16.49	50.89	6.62	Peak	150	232
5	10600.00	44.21	54.00	-9.79	27.59	16.62	Average	280	187
6	10600.00	55.65	74.00	-18.35	39.03	16.62	Peak	297	111
7	15900.00	49.69	54.00	-4.31	32.87	16.82	Average	150	161
8	15900.00	60.69	74.00	-13.31	43.87	16.82	Peak	150	161

Note 1: Emission Level (dBuV/m) = SA Reading (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



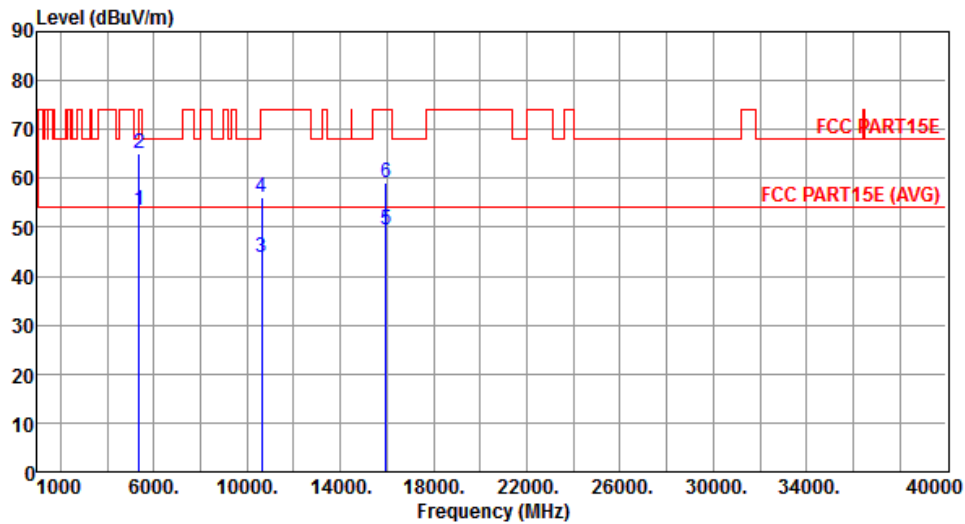
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.97	54.00	-7.03	40.35	6.62	Average	150	173
2	5350.00	60.27	74.00	-13.73	53.65	6.62	Peak	150	173
3	10640.00	44.87	54.00	-9.13	28.24	16.63	Average	168	182
4	10640.00	56.94	74.00	-17.06	40.31	16.63	Peak	168	182
5	15960.00	48.82	54.00	-5.18	32.12	16.70	Average	138	168
6	15960.00	58.09	74.00	-15.91	41.39	16.70	Peak	138	168

Note 1: Emission Level (dBUV/m) = SA Reading (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



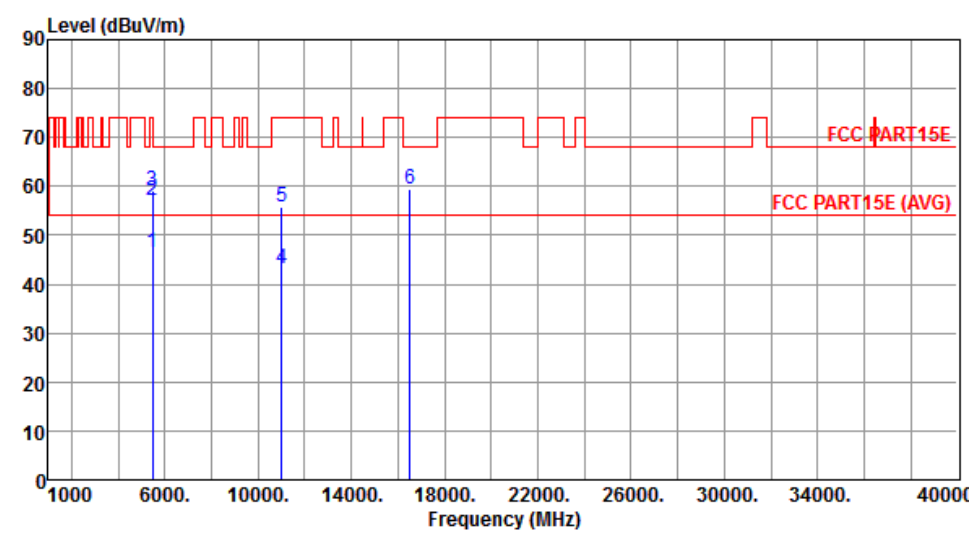
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.62	54.00	-0.38	46.48	7.14	Average	112	347
2	5350.00	65.05	74.00	-8.95	58.43	6.62	Peak	112	347
3	10640.00	43.96	54.00	-10.04	27.33	16.63	Average	271	136
4	10640.00	56.20	74.00	-17.80	39.57	16.63	Peak	271	136
5	15960.00	49.64	54.00	-4.36	32.94	16.70	Average	159	153
6	15960.00	59.21	74.00	-14.79	42.51	16.70	Peak	159	153

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

*Factor includes antenna factor , cable loss and amplifier gain

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

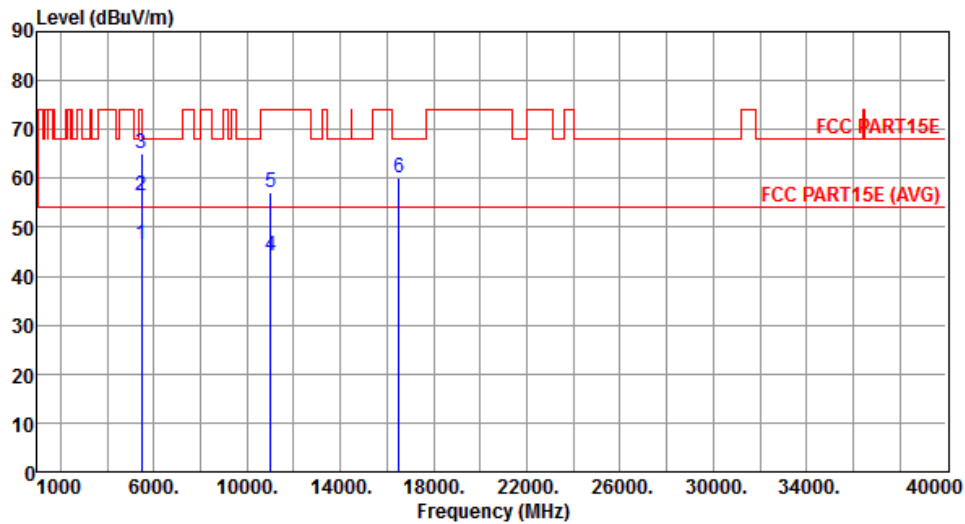
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	1



	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	46.64	54.00	-7.36	39.88	6.76	Average	225	9
2	5460.00	57.04	74.00	-16.96	50.28	6.76	Peak	225	9
3	5470.00	59.02	68.20	-9.18	52.25	6.77	Peak	225	9
4	11000.00	43.22	54.00	-10.78	26.50	16.72	Average	125	185
5	11000.00	55.67	74.00	-18.33	38.95	16.72	Peak	125	185
6	16500.00	59.46	68.20	-8.74	41.59	17.87	Peak	232	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	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



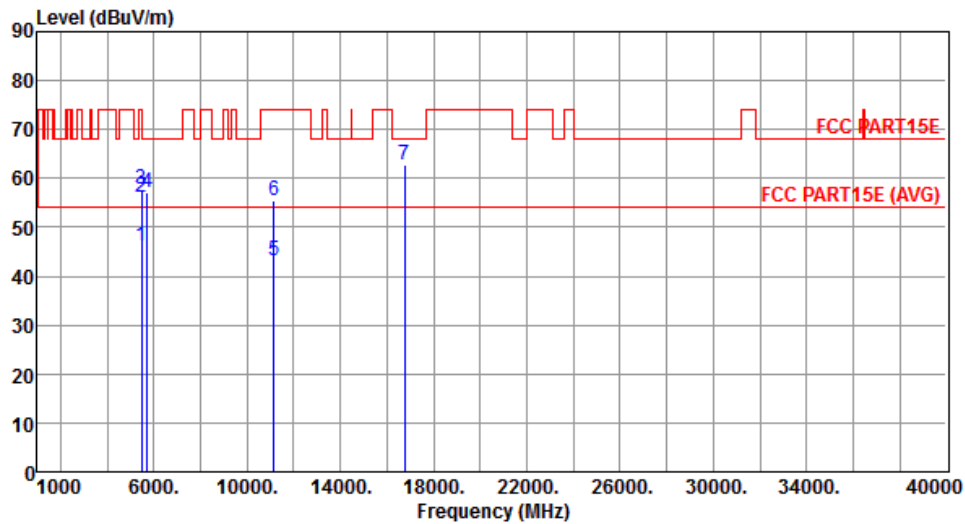
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.34	54.00	-7.66	39.58	6.76	Average	126	7
2	5460.00	56.55	74.00	-17.45	49.79	6.76	Peak	126	7
3	5470.00	64.98	68.20	-3.22	58.21	6.77	Peak	126	7
4	11000.00	44.31	54.00	-9.69	27.59	16.72	Average	220	156
5	11000.00	56.98	74.00	-17.02	40.26	16.72	Peak	220	156
6	16500.00	60.15	68.20	-8.05	42.28	17.87	Peak	278	136

Note 1: Emission Level (dBUV/m) = SA Reading (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



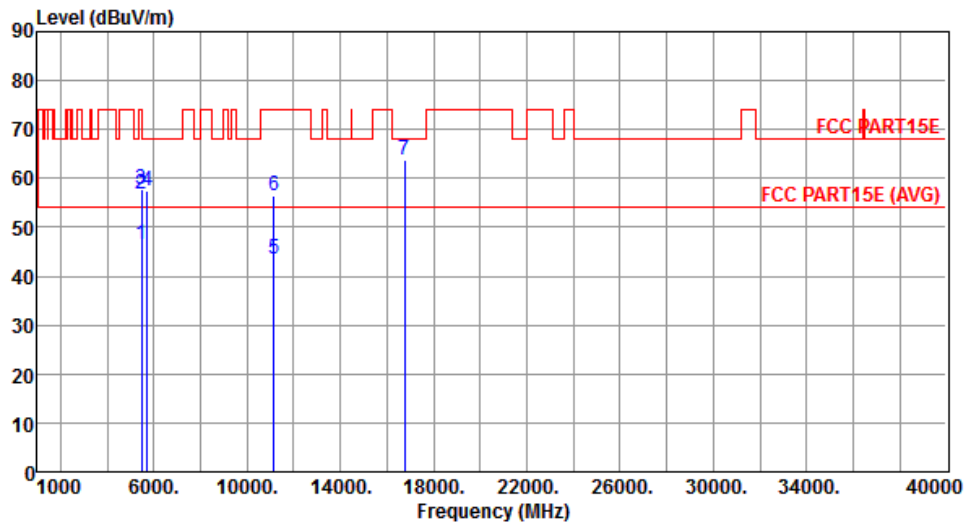
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.27	54.00	-7.73	39.51	6.76	Average	155	212
2	5460.00	56.10	74.00	-17.90	49.34	6.76	Peak	155	272
3	5470.00	57.78	68.20	-10.42	51.01	6.77	Peak	155	212
4	5725.00	57.26	68.20	-10.94	50.02	7.24	Peak	155	212
5	11160.00	43.32	54.00	-10.68	26.53	16.79	Average	270	132
6	11160.00	55.46	74.00	-18.54	38.67	16.79	Peak	270	132
7	16740.00	62.65	68.20	-5.55	44.25	18.40	Peak	196	138

Note 1: Emission Level (dBuV/m) = SA Reading (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



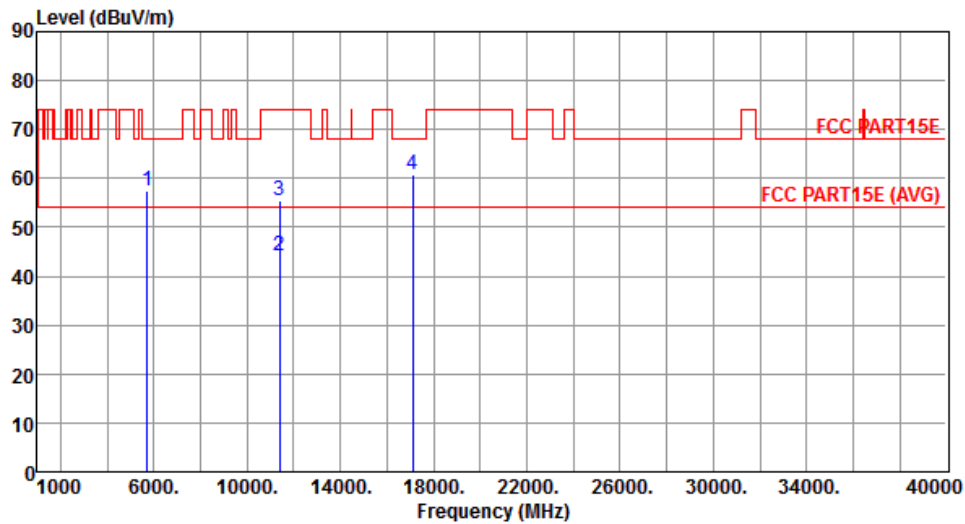
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.34	54.00	-7.66	39.58	6.76	Average	139	10
2	5460.00	56.62	74.00	-17.38	49.86	6.76	Peak	139	10
3	5470.00	57.94	68.20	-10.26	51.17	6.77	Peak	139	10
4	5725.00	57.50	68.20	-10.70	50.26	7.24	Peak	139	10
5	11160.00	43.56	54.00	-10.44	26.77	16.79	Average	267	177
6	11160.00	56.33	74.00	-17.67	39.54	16.79	Peak	267	177
7	16740.00	63.75	68.20	-4.45	45.35	18.40	Peak	244	149

Note 1: Emission Level (dBuV/m) = SA Reading (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



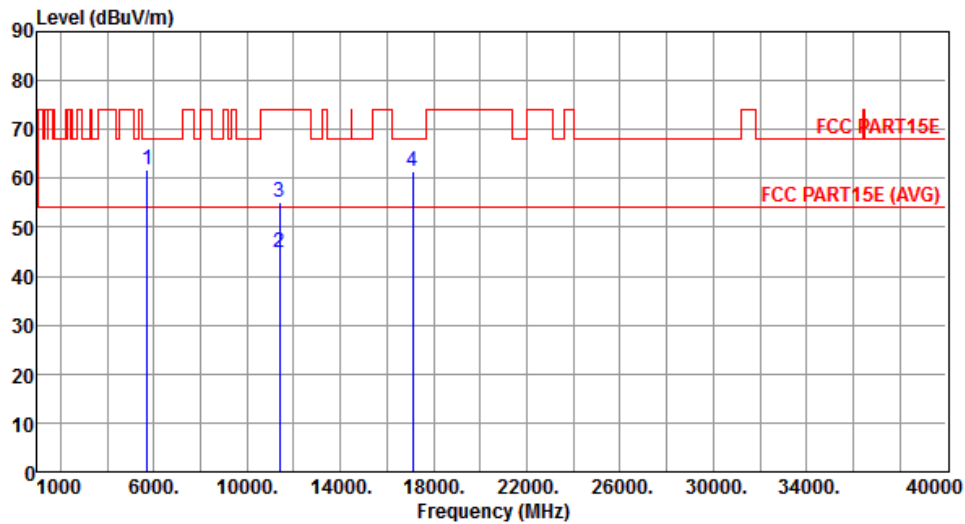
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	57.40	68.20	-10.80	50.16	7.24	Peak	155	222
2	11400.00	44.04	54.00	-9.96	27.16	16.88	Average	168	263
3	11400.00	55.32	74.00	-18.68	38.44	16.88	Peak	168	263
4	17100.00	60.75	68.20	-7.45	41.63	19.12	Peak	155	222

Note 1: Emission Level (dBuV/m) = SA Reading (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



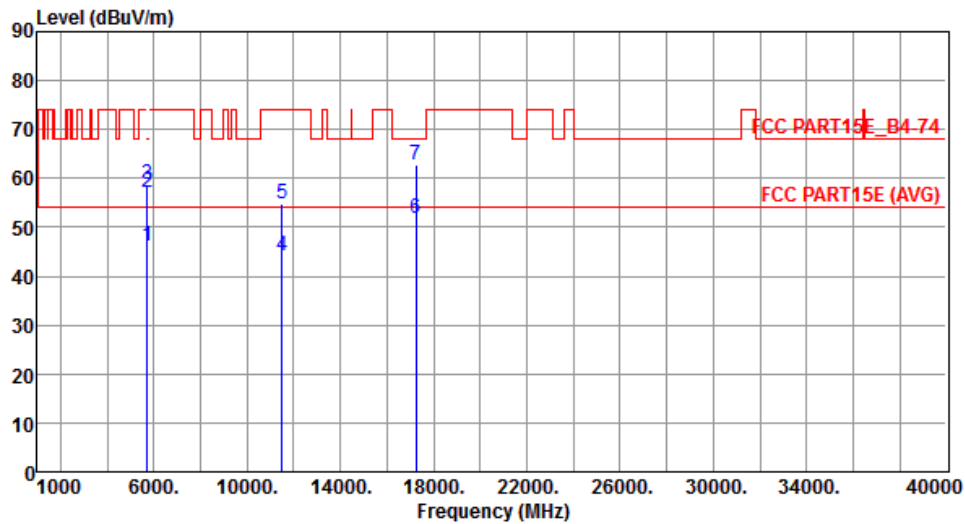
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.75	68.20	-6.45	54.51	7.24	Peak	135	12
2	11400.00	44.68	54.00	-9.32	27.80	16.88	Average	219	125
3	11400.00	55.14	74.00	-18.86	38.26	16.88	Peak	219	125
4	17100.00	61.49	68.20	-6.71	42.37	19.12	Peak	153	138

Note 1: Emission Level (dBuV/m) = SA Reading (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



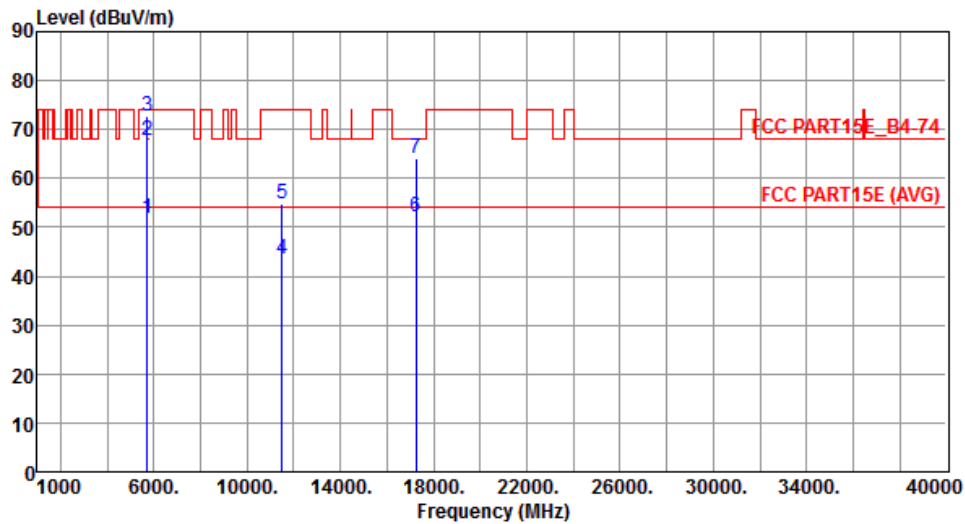
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.10	54.00	-7.90	38.90	7.20	Average	224	5
2	5715.00	57.10	74.00	-16.90	49.90	7.20	Peak	224	5
3	5725.00	58.84	78.20	-19.36	51.60	7.24	Peak	224	5
4	11490.00	44.05	54.00	-9.95	27.14	16.91	Average	267	184
5	11490.00	54.95	74.00	-19.05	38.04	16.91	Peak	267	184
6	17235.00	51.92	54.00	-2.08	32.60	19.32	Average	205	127
7	17235.00	62.79	74.00	-11.21	43.47	19.32	Peak	205	127

Note 1: Emission Level (dBuV/m) = SA Reading (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



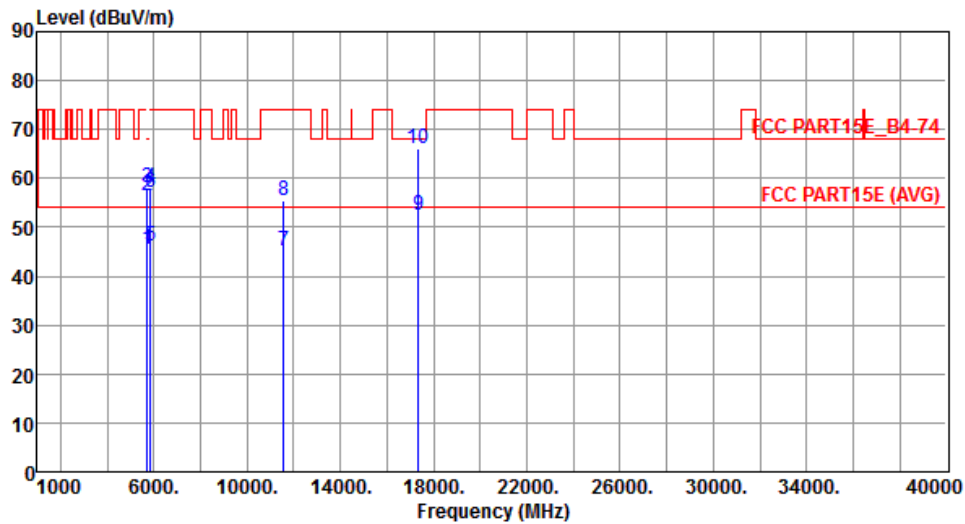
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.94	54.00	-2.06	44.74	7.20	Average	153	308
2	5715.00	67.86	74.00	-6.14	60.66	7.20	Peak	153	308
3	5725.00	72.74	78.20	-5.46	65.50	7.24	Peak	153	308
4	11490.00	43.50	54.00	-10.50	26.59	16.91	Average	161	241
5	11490.00	54.81	74.00	-19.19	37.90	16.91	Peak	161	241
6	17235.00	52.09	54.00	-1.91	32.77	19.32	Average	221	152
7	17235.00	64.13	74.00	-9.87	44.81	19.32	Peak	221	152

Note 1: Emission Level (dBuV/m) = SA Reading (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



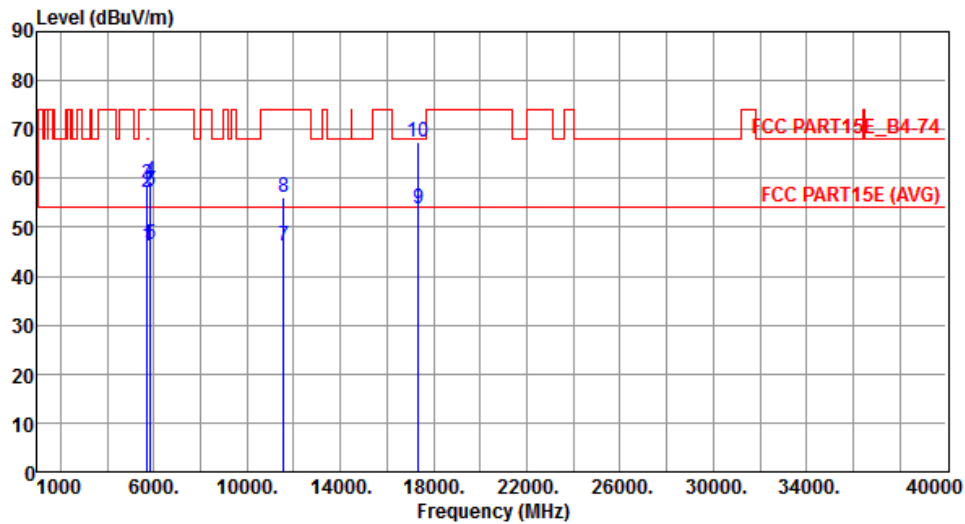
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	45.63	54.00	-8.37	38.43	7.20	Average	155	211
2	5715.00	56.56	74.00	-17.44	49.36	7.20	Peak	155	211
3	5725.00	58.26	78.20	-19.94	51.02	7.24	Peak	155	211
4	5850.00	58.18	78.20	-20.02	50.68	7.50	Peak	155	211
5	5860.00	46.16	54.00	-7.84	38.65	7.51	Average	155	211
6	5860.00	57.24	74.00	-16.76	49.73	7.51	Peak	155	211
7	11570.00	45.23	54.00	-8.77	28.43	16.80	Average	316	156
8	11570.00	55.56	74.00	-18.44	38.76	16.80	Peak	316	156
9	17355.00	52.61	54.00	-1.39	33.12	19.49	Average	168	153
10	17355.00	66.12	74.00	-7.88	46.63	19.49	Peak	168	153

Note 1: Emission Level (dBuV/m) = SA Reading (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



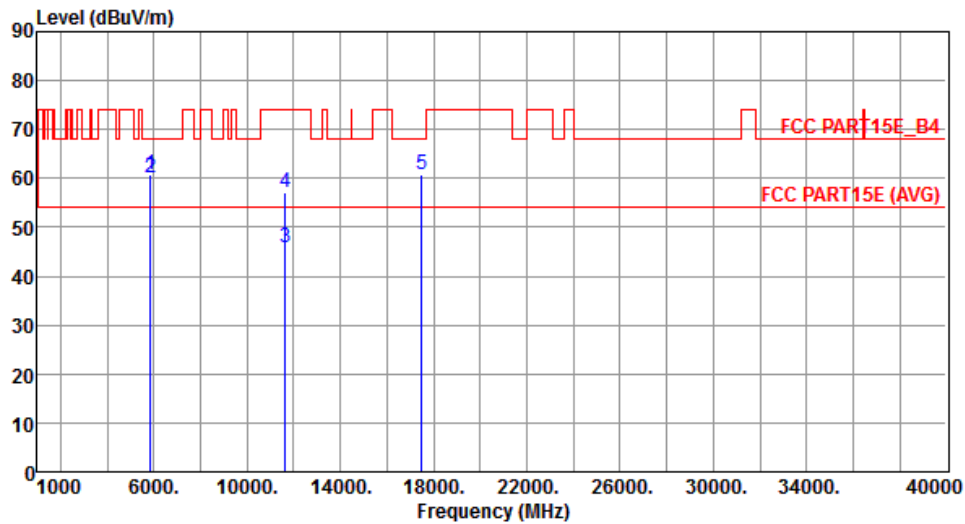
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.19	54.00	-7.81	38.99	7.20	Average	129	15
2	5715.00	57.01	74.00	-16.99	49.81	7.20	Peak	129	15
3	5725.00	58.83	78.20	-19.37	51.59	7.24	Peak	129	15
4	5850.00	59.40	78.20	-18.80	51.90	7.50	Peak	129	15
5	5860.00	46.42	54.00	-7.58	38.91	7.51	Average	129	15
6	5860.00	57.33	74.00	-16.67	49.82	7.51	Peak	129	15
7	11570.00	46.30	54.00	-7.70	29.50	16.80	Average	327	189
8	11570.00	56.06	74.00	-17.94	39.26	16.80	Peak	327	189
9	17355.00	53.89	54.00	-0.11	34.40	19.49	Average	261	134
10	17355.00	67.44	74.00	-6.56	47.95	19.49	Peak	261	134

Note 1: Emission Level (dBuV/m) = SA Reading (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



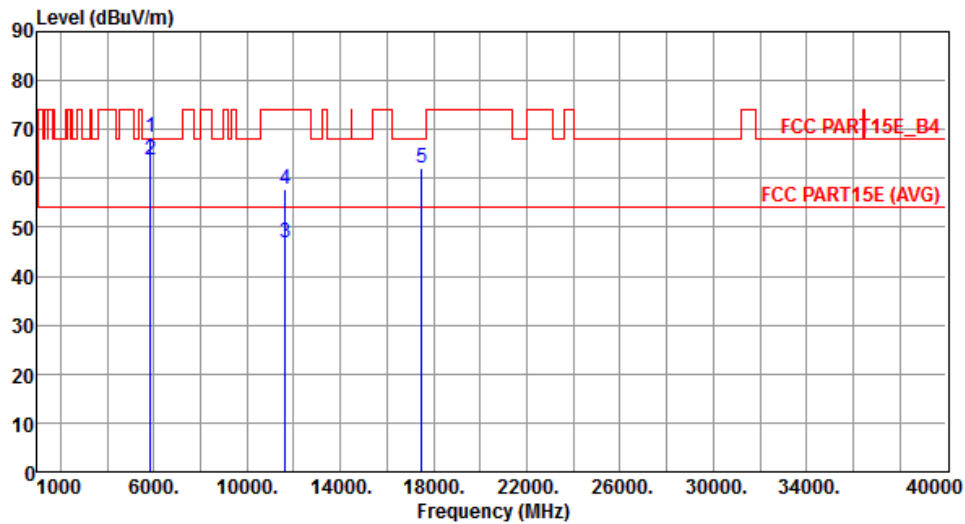
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	60.66	78.20	-17.54	53.16	7.50	Peak	153	216
2	5860.00	60.16	68.20	-8.04	52.65	7.51	Peak	153	216
3	11650.00	45.76	54.00	-8.24	29.11	16.65	Average	222	138
4	11650.00	57.03	74.00	-16.97	40.38	16.65	Peak	222	138
5	17475.00	60.72	68.20	-7.48	41.06	19.66	Peak	272	153

Note 1: Emission Level (dBUV/m) = SA Reading (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	5850.00	68.53	78.20	-9.67	61.03	7.50	Peak	125	344
2	5860.00	63.60	68.20	-4.60	56.09	7.51	Peak	125	344
3	11650.00	46.95	54.00	-7.05	30.30	16.65	Average	248	147
4	11650.00	57.91	74.00	-16.09	41.26	16.65	Peak	248	147
5	17475.00	62.23	68.20	-5.97	42.57	19.66	Peak	386	174

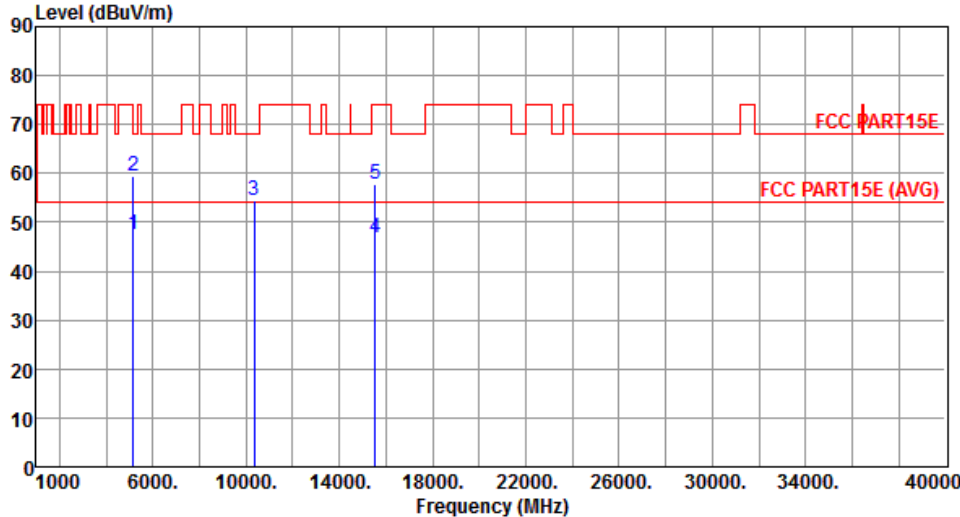
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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 HT20

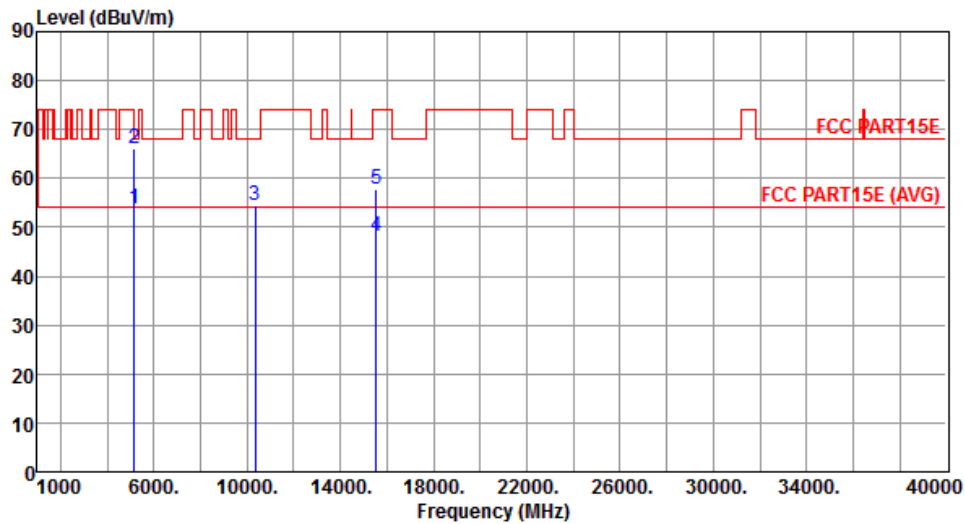
Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	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	47.63	54.00	-6.37	41.32	6.31	Average	156	210
2	5150.00	59.46	74.00	-14.54	53.15	6.31	Peak	156	210
3	10360.00	54.40	68.20	-13.80	38.06	16.34	Peak	244	153
4	15540.00	46.91	54.00	-7.09	29.41	17.50	Average	188	316
5	15540.00	57.65	74.00	-16.35	40.15	17.50	Peak	188	316

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



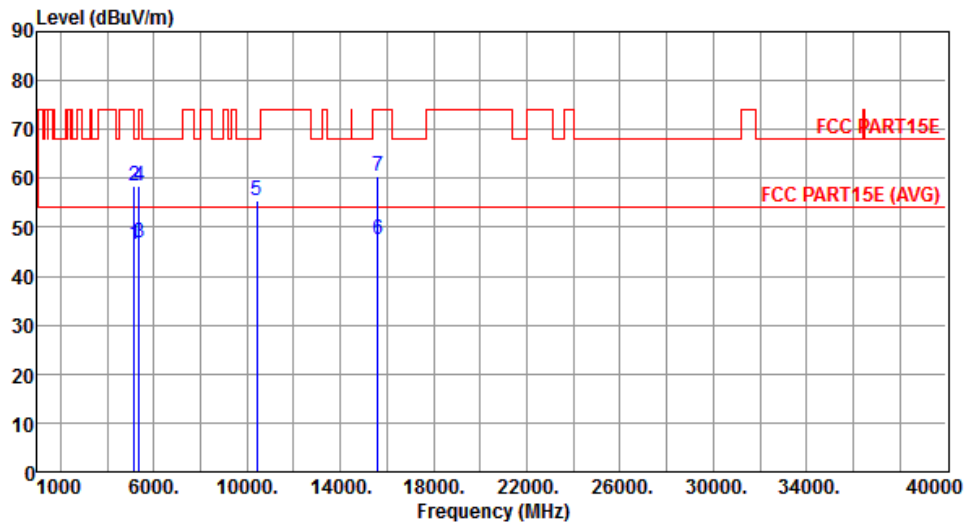
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.88	54.00	-0.12	47.18	6.70	Average	125	53
2	5150.00	66.10	74.00	-7.90	59.79	6.31	Peak	125	53
3	10360.00	54.53	68.20	-13.67	38.19	16.34	Peak	271	144
4	15540.00	48.05	54.00	-5.95	30.55	17.50	Average	160	156
5	15540.00	57.85	74.00	-16.15	40.35	17.50	Peak	160	156

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



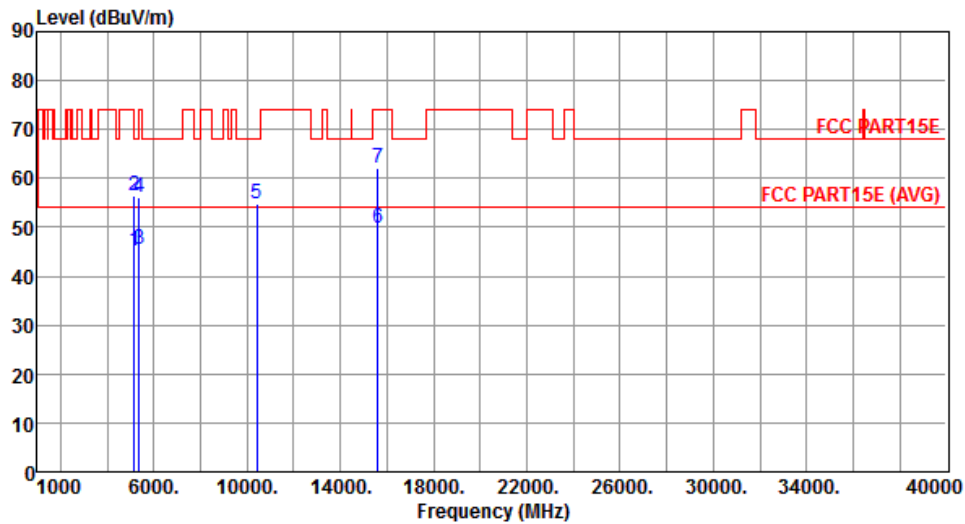
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.62	54.00	-7.38	40.31	6.31	Average	156	210
2	5150.00	58.46	74.00	-15.54	52.15	6.31	Peak	156	210
3	5350.00	46.75	54.00	-7.25	40.13	6.62	Average	156	210
4	5350.00	58.50	74.00	-15.50	51.88	6.62	Peak	156	210
5	10400.00	55.30	68.20	-12.90	38.88	16.42	Peak	226	271
6	15600.00	47.64	54.00	-6.36	30.26	17.38	Average	187	208
7	15600.00	60.40	74.00	-13.60	43.02	17.38	Peak	187	208

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	1



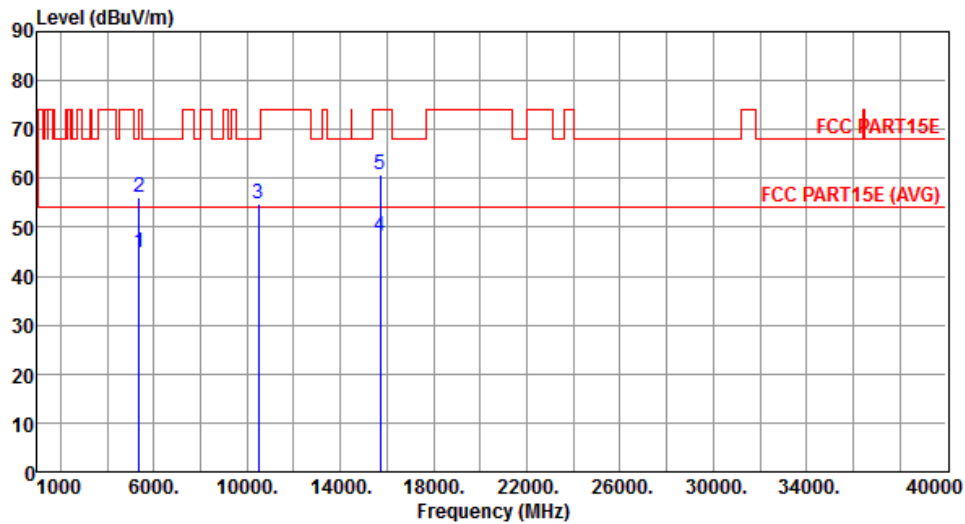
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.05	54.00	-8.95	38.74	6.31	Average	124	51
2	5150.00	56.56	74.00	-17.44	50.25	6.31	Peak	124	51
3	5350.00	45.51	54.00	-8.49	38.89	6.62	Average	124	51
4	5350.00	56.21	74.00	-17.79	49.59	6.62	Peak	124	51
5	10400.00	54.67	68.20	-13.53	38.25	16.42	Peak	271	574
6	15600.00	49.91	54.00	-4.09	32.53	17.38	Average	112	160
7	15600.00	62.10	74.00	-11.90	44.72	17.38	Peak	112	160

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



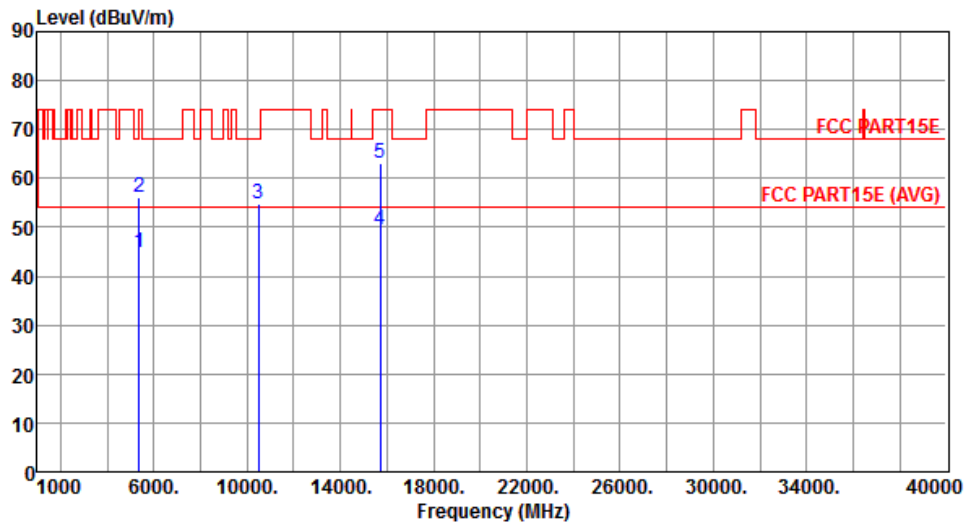
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	44.84	54.00	-9.16	38.22	6.62	Average	156	213
2	5350.00	56.03	74.00	-17.97	49.41	6.62	Peak	156	213
3	10480.00	54.68	68.20	-13.52	38.12	16.56	Peak	255	162
4	15720.00	48.26	54.00	-5.74	31.11	17.15	Average	153	252
5	15720.00	60.91	74.00	-13.09	43.76	17.15	Peak	153	252

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



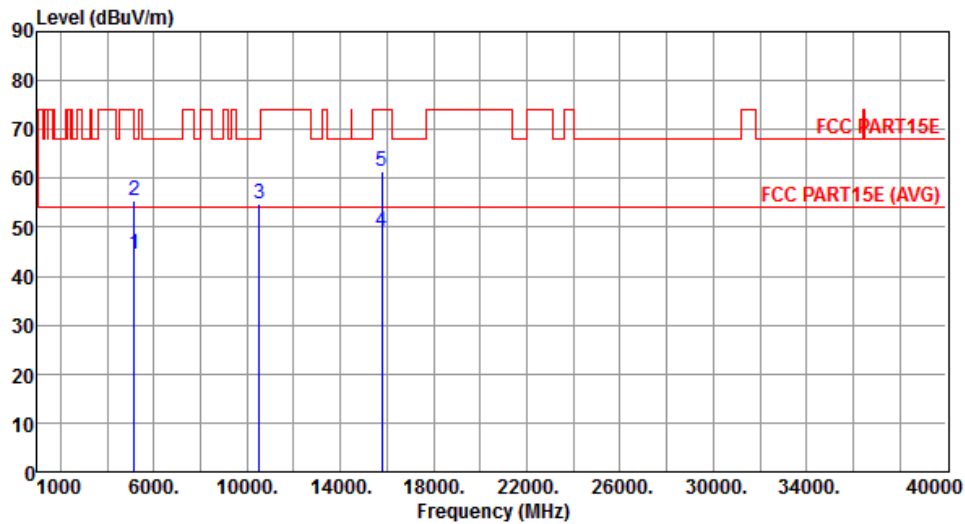
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	44.78	54.00	-9.22	38.16	6.62	Average	131	51
2	5350.00	56.19	74.00	-17.81	49.57	6.62	Peak	131	51
3	10480.00	54.82	68.20	-13.38	38.26	16.56	Peak	355	254
4	15720.00	49.55	54.00	-4.45	32.40	17.15	Average	112	156
5	15720.00	63.20	74.00	-10.80	46.05	17.15	Peak	112	156

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	1



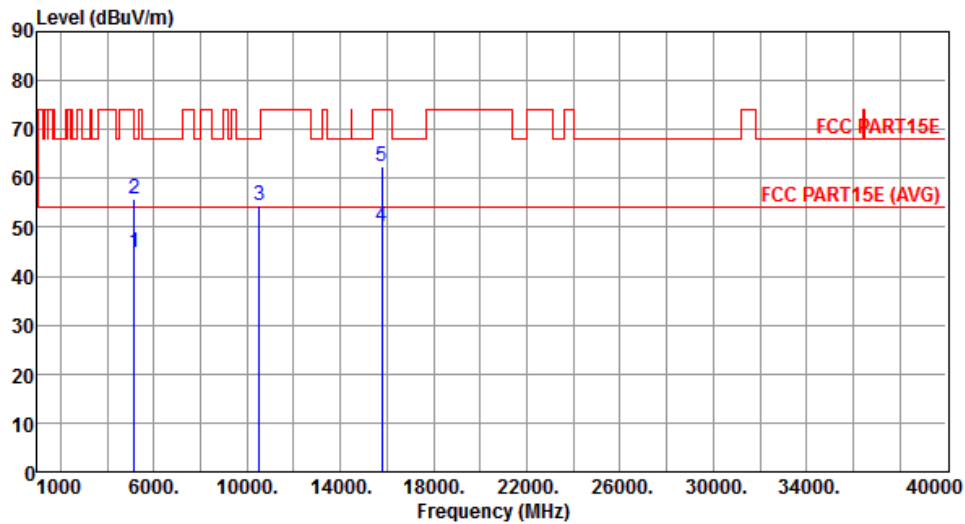
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.56	54.00	-9.44	38.25	6.31	Average	155	213
2	5150.00	55.47	74.00	-18.53	49.16	6.31	Peak	155	213
3	10520.00	54.95	68.20	-13.25	38.35	16.60	Peak	173	156
4	15780.00	49.17	54.00	-4.83	32.12	17.05	Average	125	196
5	15780.00	61.42	74.00	-12.58	44.37	17.05	Peak	125	196

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	1



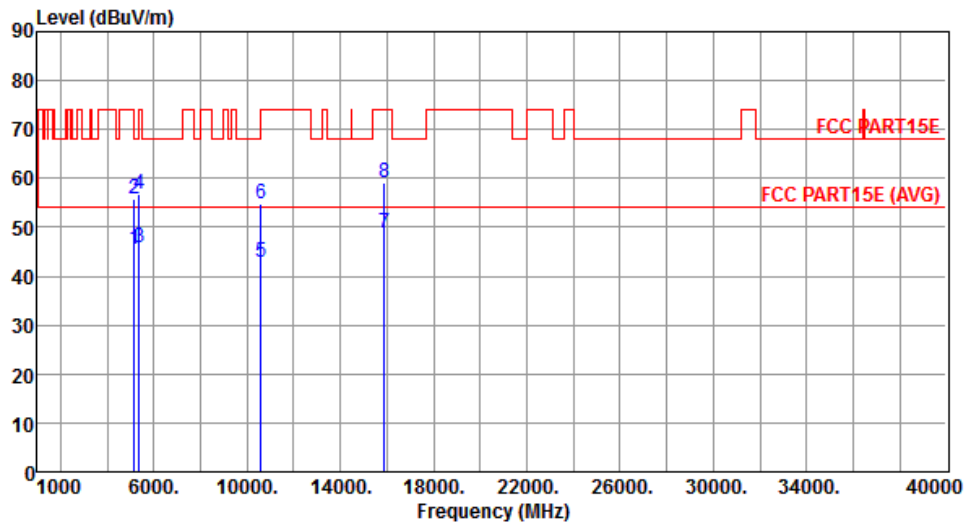
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.90	54.00	-9.10	38.59	6.31	Average	113	51
2	5150.00	55.66	74.00	-18.34	49.35	6.31	Peak	113	51
3	10520.00	54.49	68.20	-13.71	37.89	16.60	Peak	261	181
4	15780.00	50.14	54.00	-3.86	33.09	17.05	Average	131	160
5	15780.00	62.30	74.00	-11.70	45.25	17.05	Peak	131	160

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	1



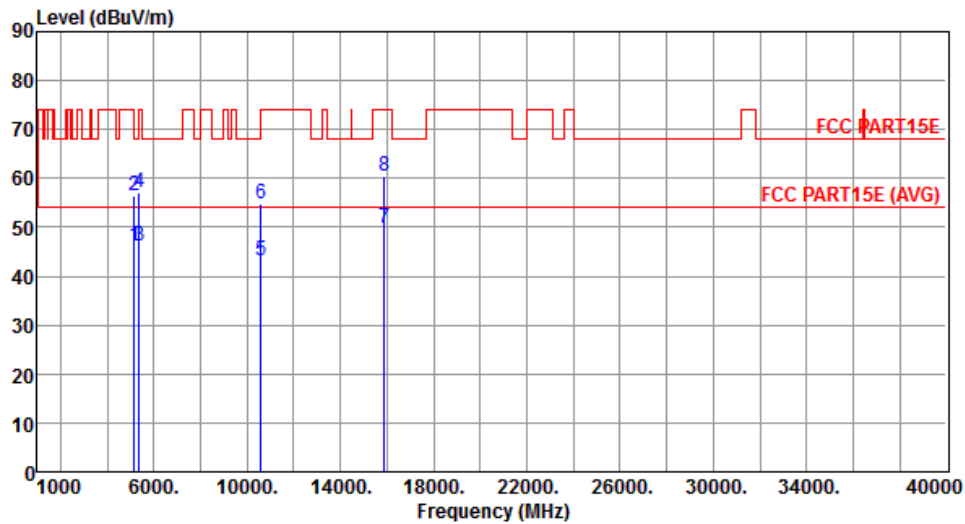
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.55	54.00	-8.45	39.24	6.31	Average	151	215
2	5150.00	55.63	74.00	-18.37	49.32	6.31	Peak	151	215
3	5350.00	45.83	54.00	-8.17	39.21	6.62	Average	151	215
4	5350.00	56.87	74.00	-17.13	50.25	6.62	Peak	151	215
5	10600.00	42.83	54.00	-11.17	26.21	16.62	Average	138	172
6	10600.00	54.87	74.00	-19.13	38.25	16.62	Peak	138	172
7	15900.00	48.68	54.00	-5.32	31.86	16.82	Average	166	171
8	15900.00	59.15	74.00	-14.85	42.33	16.82	Peak	166	171

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	1



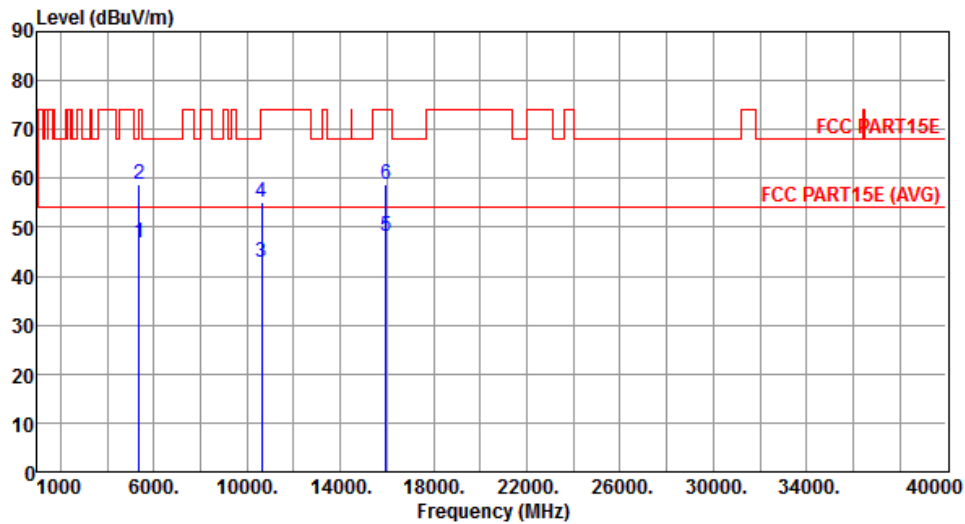
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.17	54.00	-7.83	39.86	6.31	Average	100	51
2	5150.00	56.33	74.00	-17.67	50.02	6.31	Peak	100	51
3	5350.00	46.18	54.00	-7.82	39.56	6.62	Average	100	51
4	5350.00	56.98	74.00	-17.02	50.36	6.62	Peak	100	51
5	10600.00	43.20	54.00	-10.80	26.58	16.62	Average	157	165
6	10600.00	54.68	74.00	-19.32	38.06	16.62	Peak	157	165
7	15900.00	49.84	54.00	-4.16	33.02	16.82	Average	130	156
8	15900.00	60.40	74.00	-13.60	43.58	16.82	Peak	130	156

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	1



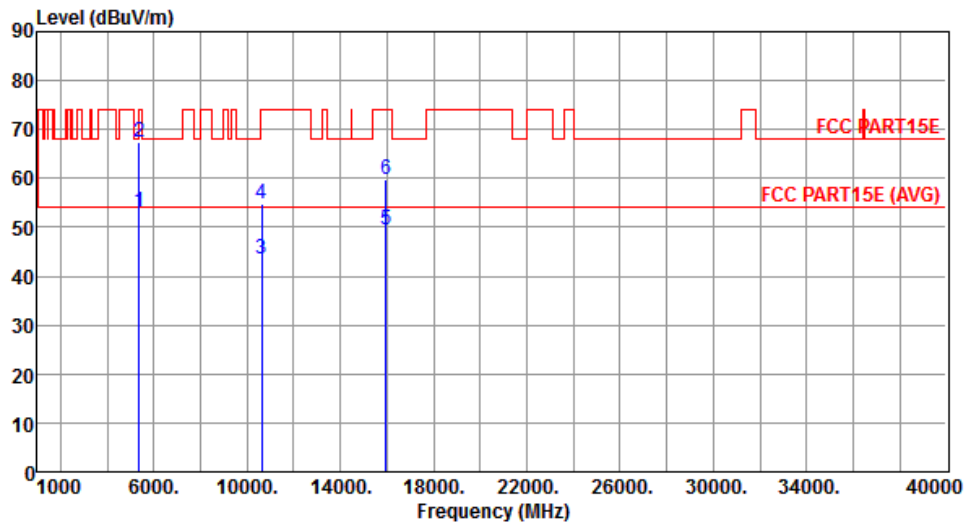
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.95	54.00	-7.05	40.33	6.62	Average	156	218
2	5350.00	58.89	74.00	-15.11	52.27	6.62	Peak	156	218
3	10640.00	42.79	54.00	-11.21	26.16	16.63	Average	222	145
4	10640.00	55.15	74.00	-18.85	38.52	16.63	Peak	222	145
5	15960.00	48.14	54.00	-5.86	31.44	16.70	Average	162	138
6	15960.00	58.67	74.00	-15.33	41.97	16.70	Peak	162	138

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	1



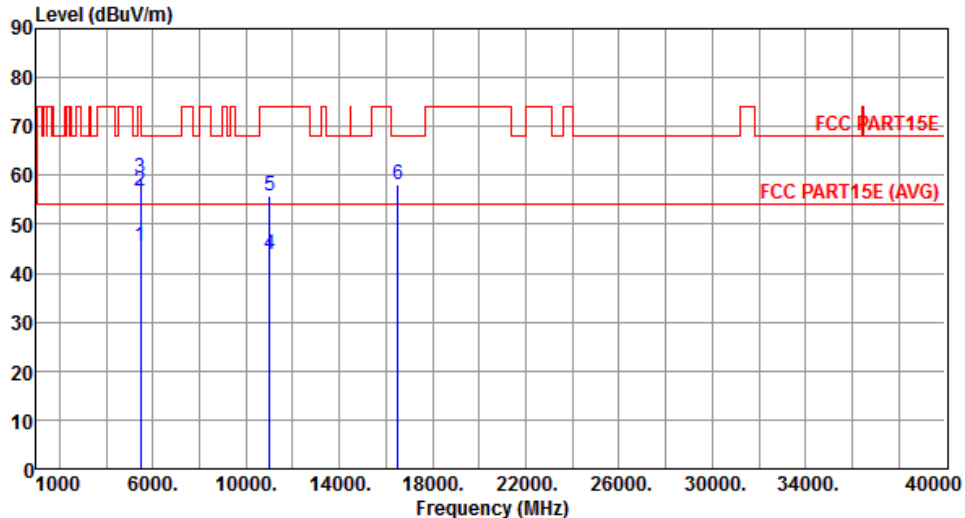
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.11	54.00	-0.89	45.97	7.14	Average	213	169
2	5350.00	67.51	74.00	-6.49	60.89	6.62	Peak	213	169
3	10640.00	43.52	54.00	-10.48	26.89	16.63	Average	261	135
4	10640.00	54.89	74.00	-19.11	38.26	16.63	Peak	261	135
5	15960.00	49.58	54.00	-4.42	32.88	16.70	Average	197	149
6	15960.00	59.77	74.00	-14.23	43.07	16.70	Peak	197	149

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

*Factor includes antenna factor , cable loss and amplifier gain

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

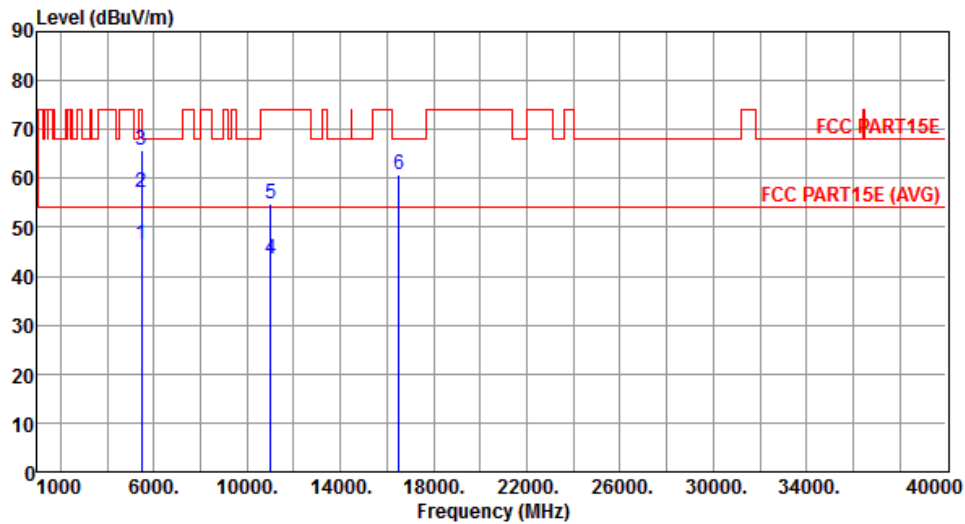
Modulation	HT20	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	1



	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	45.52	54.00	-8.48	38.76	6.76	Average	226	9
2	5460.00	56.91	74.00	-17.09	50.15	6.76	Peak	226	9
3	5470.00	59.44	68.20	-8.76	52.67	6.77	Peak	226	9
4	11000.00	43.98	54.00	-10.02	27.26	16.72	Average	260	271
5	11000.00	55.70	74.00	-18.30	38.98	16.72	Peak	260	271
6	16500.00	58.13	68.20	-10.07	40.26	17.87	Peak	250	132

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



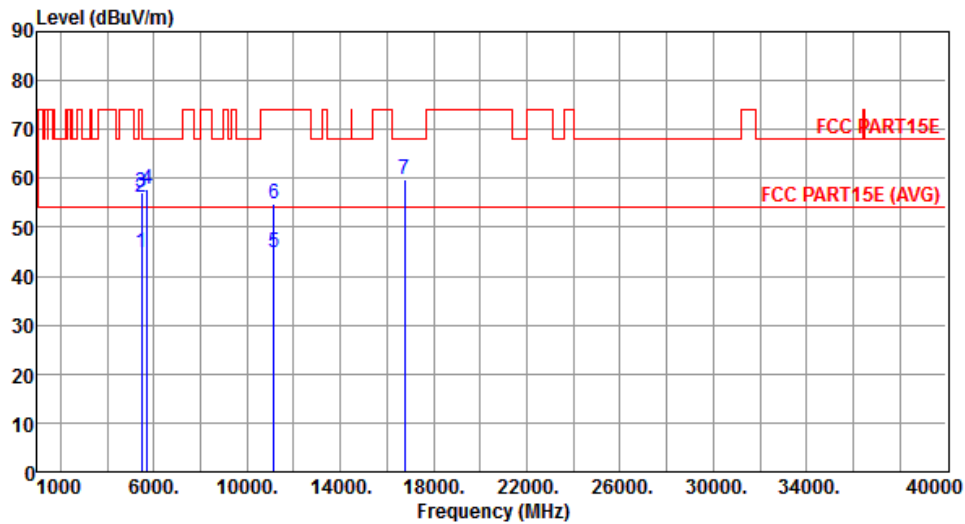
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.34	54.00	-7.66	39.58	6.76	Average	137	0
2	5460.00	57.01	74.00	-16.99	50.25	6.76	Peak	137	0
3	5470.00	65.62	68.20	-2.58	58.85	6.77	Peak	137	0
4	11000.00	43.61	54.00	-10.39	26.89	16.72	Average	245	316
5	11000.00	54.78	74.00	-19.22	38.06	16.72	Peak	245	316
6	16500.00	60.93	68.20	-7.27	43.06	17.87	Peak	120	146

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	1



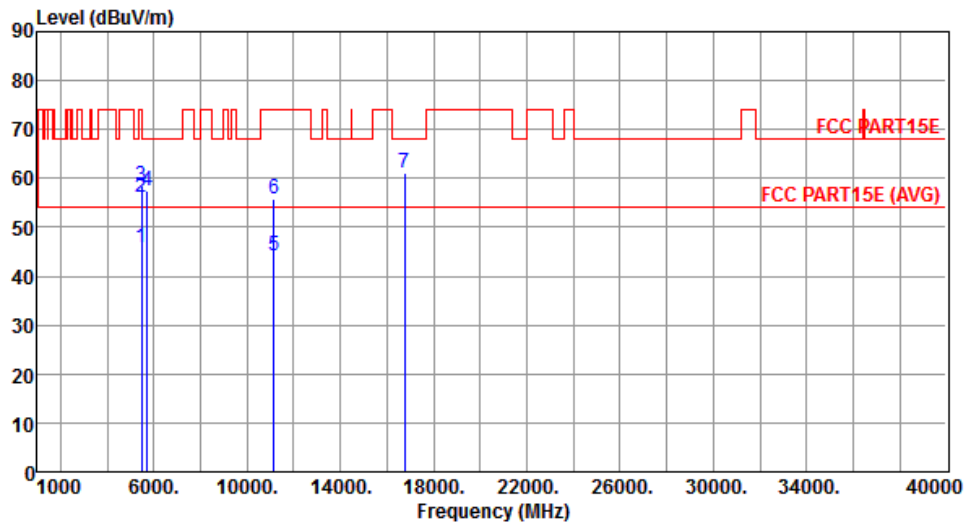
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.87	54.00	-9.13	38.11	6.76	Average	155	213
2	5460.00	55.96	74.00	-18.04	49.20	6.76	Peak	155	213
3	5470.00	57.04	68.20	-11.16	50.27	6.77	Peak	155	213
4	5725.00	57.90	68.20	-10.30	50.66	7.24	Peak	155	213
5	11160.00	44.68	54.00	-9.32	27.89	16.79	Average	169	271
6	11160.00	54.67	74.00	-19.33	37.88	16.79	Peak	169	271
7	16740.00	59.66	68.20	-8.54	41.26	18.40	Peak	290	132

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	1



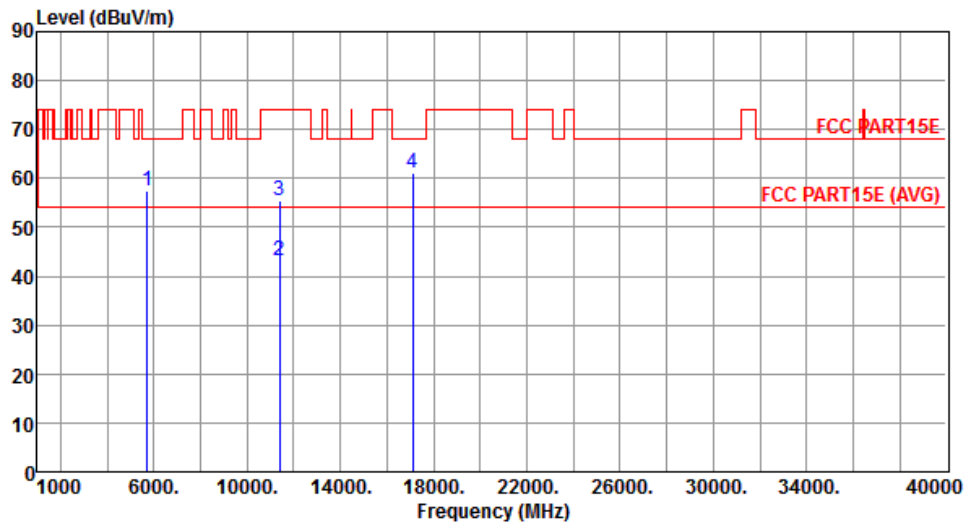
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.67	54.00	-8.33	38.91	6.76	Average	132	6
2	5460.00	56.14	74.00	-17.86	49.38	6.76	Peak	132	6
3	5470.00	58.42	68.20	-9.78	51.65	6.77	Peak	132	6
4	5725.00	57.38	68.20	-10.82	50.14	7.24	Peak	132	6
5	11160.00	44.04	54.00	-9.96	27.25	16.79	Average	241	171
6	11160.00	55.76	74.00	-18.24	38.97	16.79	Peak	241	171
7	16740.00	61.23	68.20	-6.97	42.83	18.40	Peak	132	151

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	1



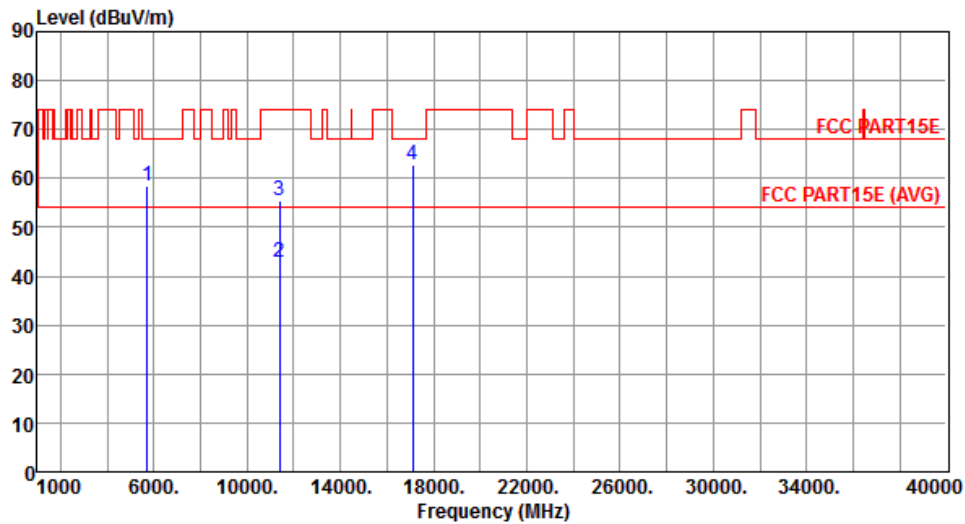
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	57.40	68.20	-10.80	50.16	7.24	Peak	155	214
2	11400.00	43.04	54.00	-10.96	26.16	16.88	Average	152	213
3	11400.00	55.32	74.00	-18.68	38.44	16.88	Peak	156	213
4	17100.00	61.24	68.20	-6.96	42.12	19.12	Peak	168	196

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	1



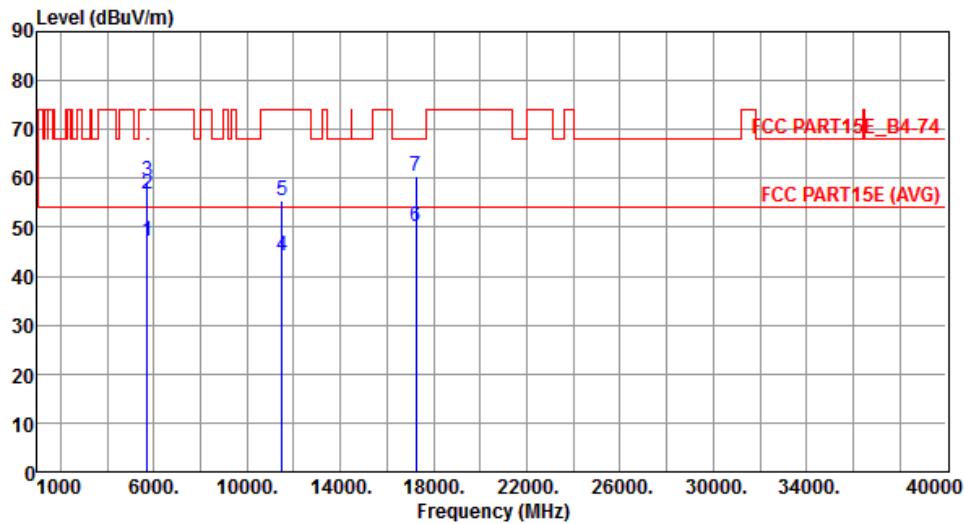
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	58.60	68.20	-9.60	51.36	7.24	Peak	135	12
2	11400.00	42.97	54.00	-11.03	26.09	16.88	Average	159	271
3	11400.00	55.47	74.00	-18.53	38.59	16.88	Peak	159	271
4	17100.00	62.76	68.20	-5.44	43.64	19.12	Peak	223	146

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	1



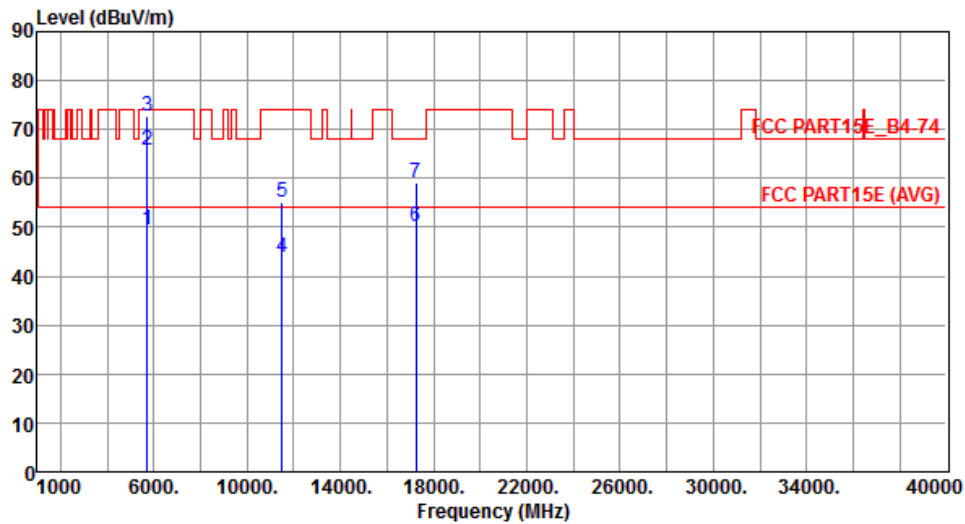
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.07	54.00	-6.93	39.87	7.20	Average	232	15
2	5715.00	56.81	74.00	-17.19	49.61	7.20	Peak	232	15
3	5725.00	59.57	78.20	-18.63	52.33	7.24	Peak	232	15
4	11490.00	44.18	54.00	-9.82	27.27	16.91	Average	271	177
5	11490.00	55.60	74.00	-18.40	38.69	16.91	Peak	271	177
6	17235.00	50.03	54.00	-3.97	30.71	19.32	Average	199	125
7	17235.00	60.48	74.00	-13.52	41.16	19.32	Peak	199	125

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	1



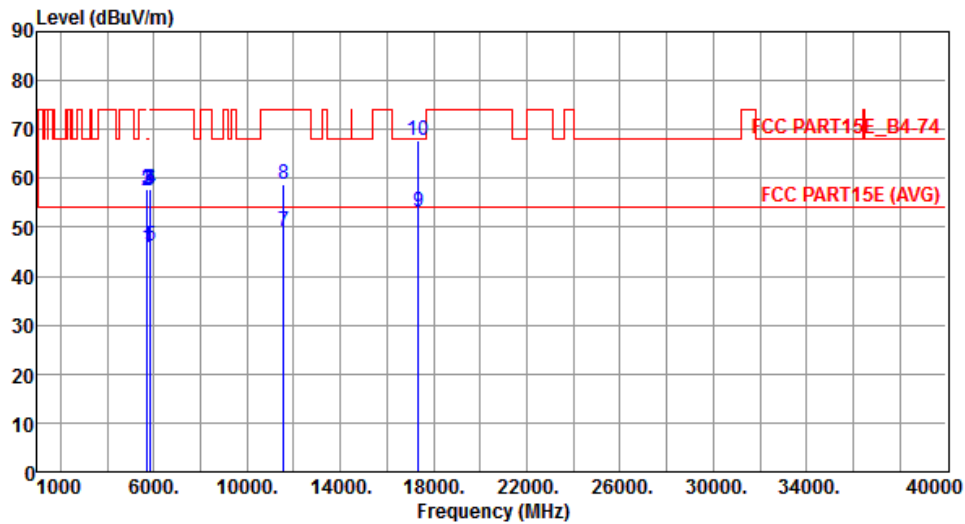
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.35	54.00	-4.65	42.15	7.20	Average	118	6
2	5715.00	65.72	74.00	-8.28	58.52	7.20	Peak	118	6
3	5725.00	72.83	78.20	-5.37	65.59	7.24	Peak	118	6
4	11490.00	43.80	54.00	-10.20	26.89	16.91	Average	271	140
5	11490.00	54.98	74.00	-19.02	38.07	16.91	Peak	271	140
6	17235.00	50.14	54.00	-3.86	30.82	19.32	Average	252	135
7	17235.00	59.23	74.00	-14.77	39.91	19.32	Peak	252	135

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



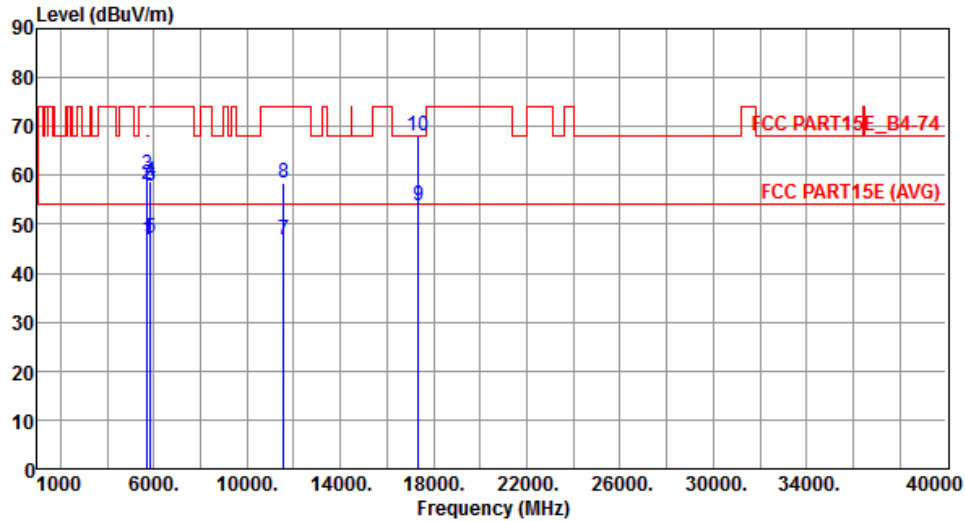
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	45.86	54.00	-8.14	38.66	7.20	Average	155	200
2	5715.00	57.37	74.00	-16.63	50.17	7.20	Peak	155	200
3	5725.00	57.92	78.20	-20.28	50.68	7.24	Peak	155	200
4	5850.00	57.76	78.20	-20.44	50.26	7.50	Peak	155	200
5	5860.00	46.13	54.00	-7.87	38.62	7.51	Average	155	200
6	5860.00	57.63	74.00	-16.37	50.12	7.51	Peak	155	200
7	11570.00	49.18	54.00	-4.82	32.38	16.80	Average	326	177
8	11570.00	58.68	74.00	-15.32	41.88	16.80	Peak	326	177
9	17355.00	53.29	54.00	-0.71	33.80	19.49	Average	261	106
10	17355.00	67.75	74.00	-6.25	48.26	19.49	Peak	261	106

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



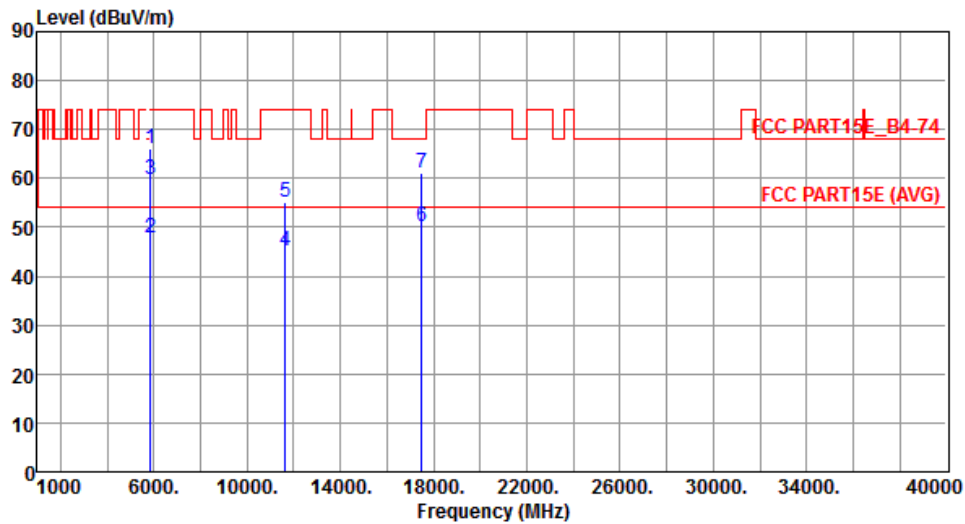
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.77	54.00	-7.23	39.57	7.20	Average	101	53
2	5715.00	58.27	74.00	-15.73	51.07	7.20	Peak	101	53
3	5725.00	60.27	78.20	-17.93	53.03	7.24	Peak	101	53
4	5850.00	58.79	78.20	-19.41	51.29	7.50	Peak	101	53
5	5860.00	47.05	54.00	-6.95	39.54	7.51	Average	101	53
6	5860.00	57.67	74.00	-16.33	50.16	7.51	Peak	101	53
7	11570.00	46.68	54.00	-7.32	29.88	16.80	Average	292	157
8	11570.00	58.39	74.00	-15.61	41.59	16.80	Peak	292	157
9	17355.00	53.93	54.00	-0.07	34.44	19.49	Average	267	144
10	17355.00	67.97	74.00	-6.03	48.48	19.49	Peak	267	144

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	1



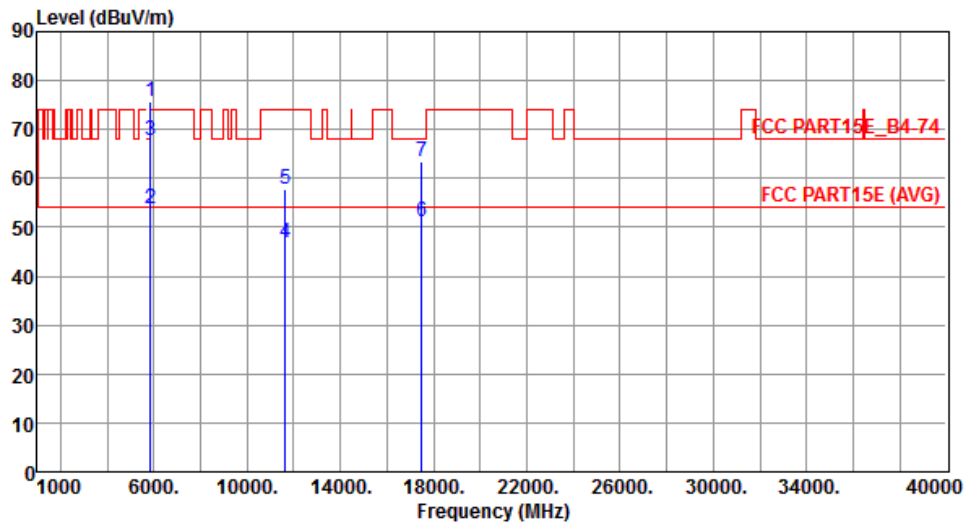
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	65.93	78.20	-12.27	58.43	7.50	Peak	155	212
2	5860.00	47.82	54.00	-6.18	40.31	7.51	Average	155	212
3	5860.00	59.67	74.00	-14.33	52.16	7.51	Peak	155	212
4	11650.00	45.30	54.00	-8.70	28.65	16.65	Average	138	196
5	11650.00	55.21	74.00	-18.79	38.56	16.65	Peak	138	156
6	17475.00	49.98	54.00	-4.02	30.32	19.66	Average	200	242
7	17475.00	61.04	74.00	-12.96	41.38	19.66	Peak	200	242

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	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	5850.00	75.80	78.20	-2.40	68.30	7.50	Peak	100	20
2	5860.00	53.79	54.00	-0.21	46.28	7.51	Average	100	20
3	5860.00	67.69	74.00	-6.31	60.18	7.51	Peak	100	20
4	11650.00	46.94	54.00	-7.06	30.29	16.65	Average	271	177
5	11650.00	57.94	74.00	-16.06	41.29	16.65	Peak	271	177
6	17475.00	51.25	54.00	-2.75	31.59	19.66	Average	292	177
7	17475.00	63.42	74.00	-10.58	43.76	19.66	Peak	292	177

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

*Factor includes antenna factor , cable loss and amplifier gain

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

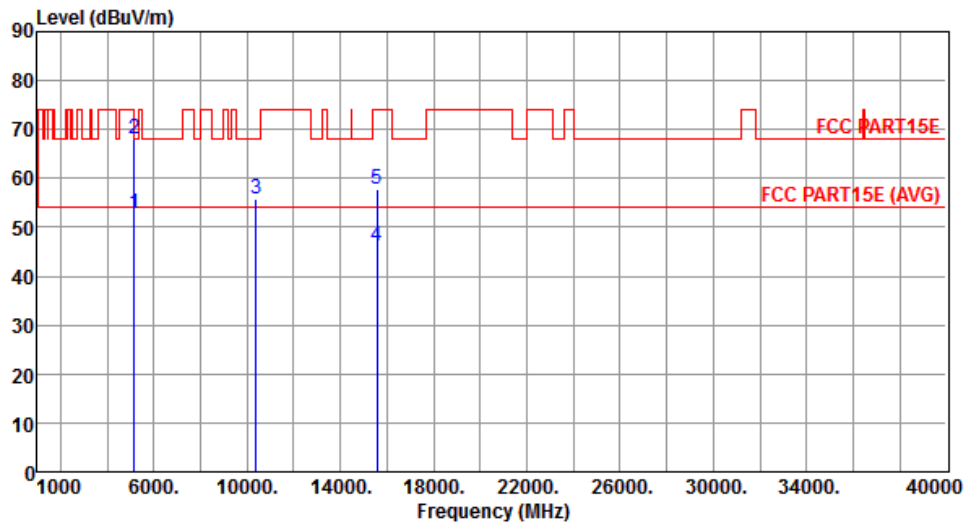
3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

Modulation	HT40	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	46.82	54.00	-7.18	40.51	6.31	Average	155	213
2	5150.00	58.95	74.00	-15.05	52.64	6.31	Peak	155	213
3	10380.00	54.98	68.20	-13.22	38.61	16.37	Peak	162	138
4	15570.00	45.97	54.00	-8.03	28.54	17.43	Average	168	152
5	15570.00	57.76	74.00	-16.24	40.33	17.43	Peak	168	152

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	1



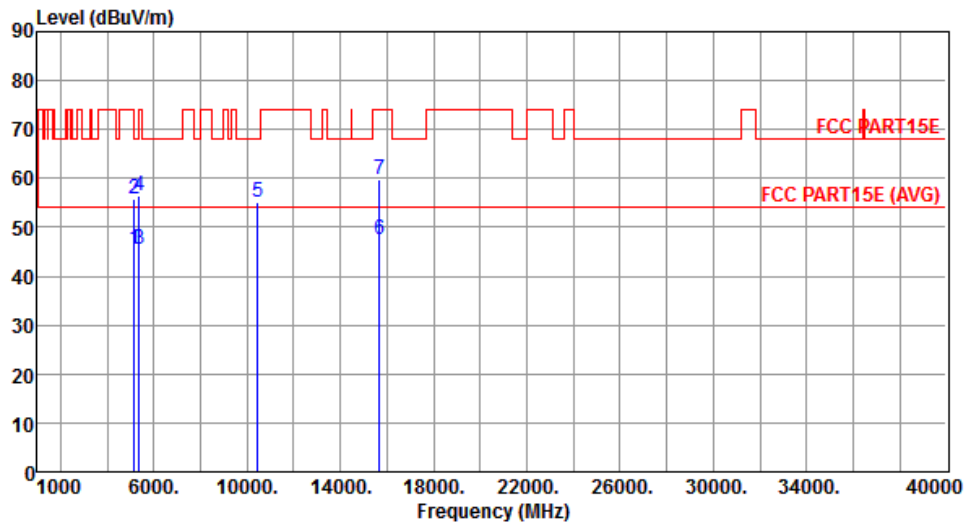
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.82	54.00	-1.18	46.51	6.31	Average	100	44
2	5150.00	68.05	74.00	-5.95	61.74	6.31	Peak	100	44
3	10380.00	55.70	68.20	-12.50	39.33	16.37	Peak	199	141
4	15570.00	46.29	54.00	-7.71	28.86	17.43	Average	162	263
5	15570.00	57.81	74.00	-16.19	40.38	17.43	Peak	162	263

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	1



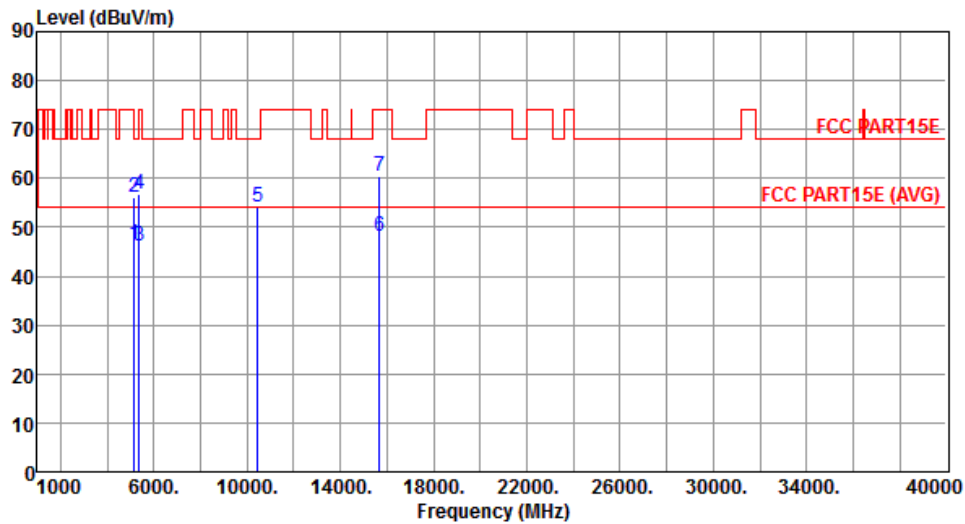
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.55	54.00	-8.45	39.24	6.31	Average	155	200
2	5150.00	55.95	74.00	-18.05	49.64	6.31	Peak	155	200
3	5350.00	45.38	54.00	-8.62	38.76	6.62	Average	155	200
4	5350.00	56.58	74.00	-17.42	49.96	6.62	Peak	155	200
5	10460.00	55.13	68.20	-13.07	38.60	16.53	Peak	138	213
6	15690.00	47.33	54.00	-6.67	30.11	17.22	Average	163	168
7	15690.00	59.68	74.00	-14.32	42.46	17.22	Peak	163	168

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	1



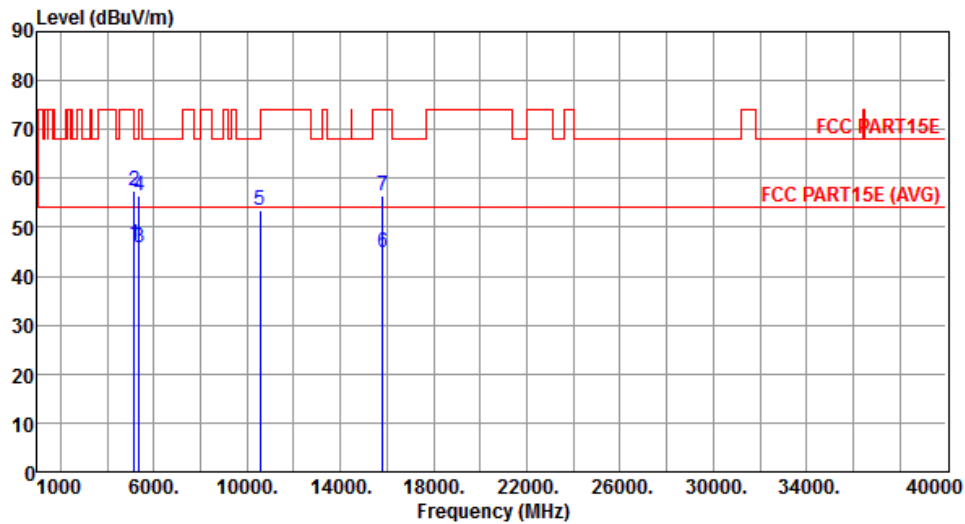
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.56	54.00	-7.44	40.25	6.31	Average	100	19
2	5150.00	56.19	74.00	-17.81	49.88	6.31	Peak	100	19
3	5350.00	46.18	54.00	-7.82	39.56	6.62	Average	100	19
4	5350.00	56.81	74.00	-17.19	50.19	6.62	Peak	100	19
5	10460.00	54.11	68.20	-14.09	37.58	16.53	Peak	281	135
6	15690.00	48.27	54.00	-5.73	31.05	17.22	Average	113	157
7	15690.00	60.47	74.00	-13.53	43.25	17.22	Peak	113	157

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Horizontal	Test Configuration	1



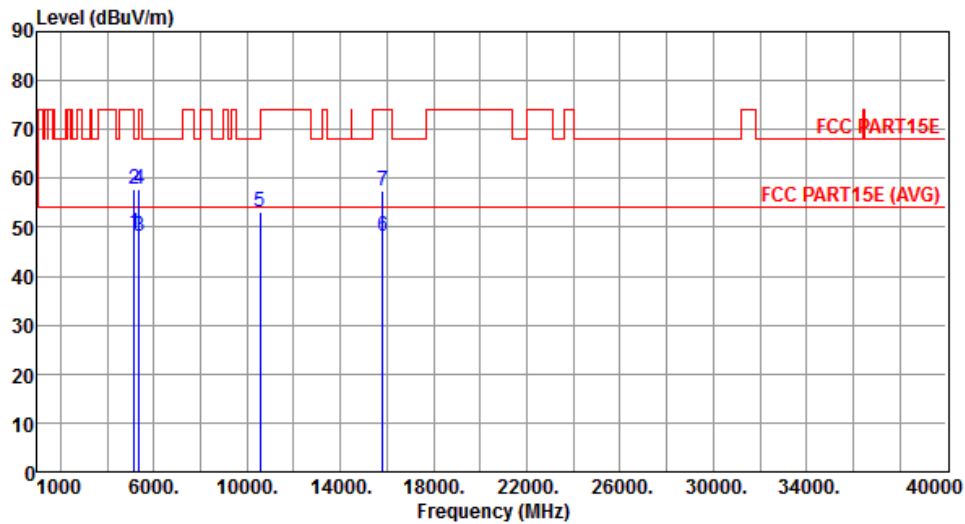
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.39	54.00	-7.61	39.69	6.70	Average	146	344
2	5150.00	57.30	74.00	-16.70	50.60	6.70	Peak	146	344
3	5350.00	45.82	54.00	-8.18	38.68	7.14	Average	146	344
4	5350.00	56.54	74.00	-17.46	49.40	7.14	Peak	146	344
5	10540.00	53.58	68.20	-14.62	36.73	16.85	Peak	305	54
6	15810.00	44.91	54.00	-9.09	27.71	17.20	Average	231	247
7	15810.00	56.39	74.00	-17.61	39.19	17.20	Peak	231	247

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Vertical	Test Configuration	1



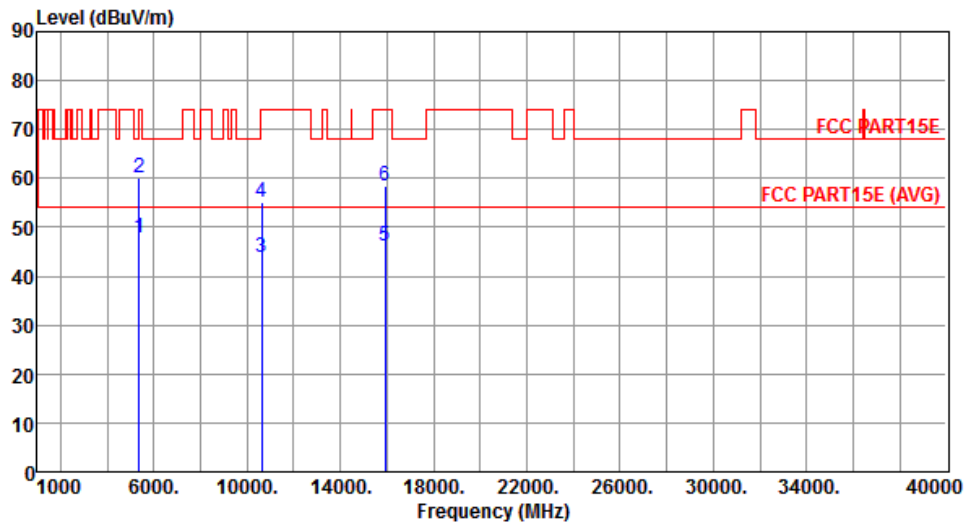
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.98	54.00	-5.02	42.28	6.70	Average	144	6
2	5150.00	57.91	74.00	-16.09	51.21	6.70	Peak	144	6
3	5350.00	48.15	54.00	-5.85	41.01	7.14	Average	144	6
4	5350.00	57.89	74.00	-16.11	50.75	7.14	Peak	144	6
5	10540.00	53.20	68.20	-15.00	36.35	16.85	Peak	139	7
6	15810.00	48.08	54.00	-5.92	30.88	17.20	Average	196	137
7	15810.00	57.39	74.00	-16.61	40.19	17.20	Peak	196	137

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Horizontal	Test Configuration	1



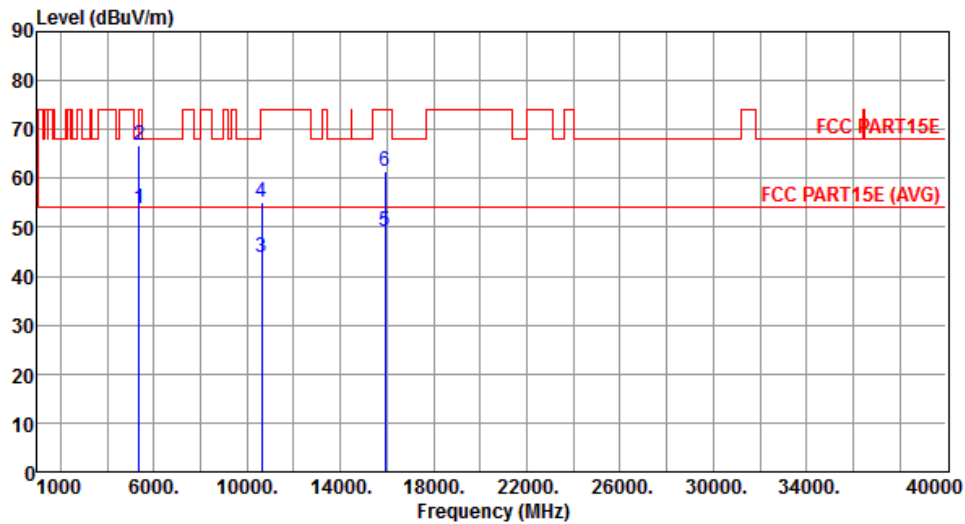
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.87	54.00	-6.13	41.25	6.62	Average	155	205
2	5350.00	60.09	74.00	-13.91	53.47	6.62	Peak	155	205
3	10620.00	43.87	54.00	-10.13	27.25	16.62	Average	160	196
4	10620.00	54.97	74.00	-19.03	38.35	16.62	Peak	160	196
5	15930.00	46.25	54.00	-7.75	29.48	16.77	Average	177	235
6	15930.00	58.50	74.00	-15.50	41.73	16.77	Peak	177	235

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Vertical	Test Configuration	1



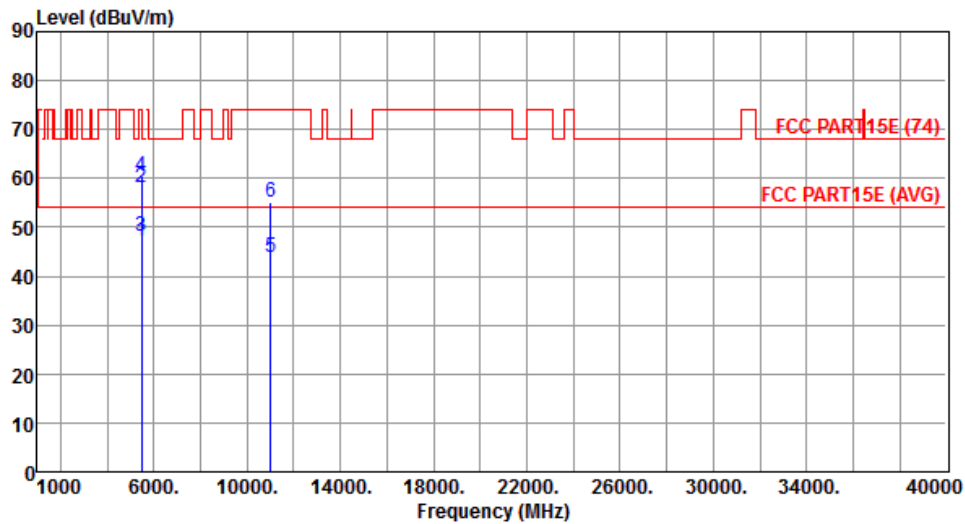
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.67	54.00	-0.33	46.53	7.14	Average	100	106
2	5350.00	66.71	74.00	-7.29	59.57	7.14	Peak	100	106
3	10620.00	43.92	54.00	-10.08	27.30	16.62	Average	164	192
4	10620.00	55.15	74.00	-18.85	38.53	16.62	Peak	164	192
5	15930.00	49.13	54.00	-4.87	32.36	16.77	Average	172	231
6	15930.00	61.44	74.00	-12.56	44.67	16.77	Peak	172	231

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5510
Polarization	Horizontal	Test Configuration	1



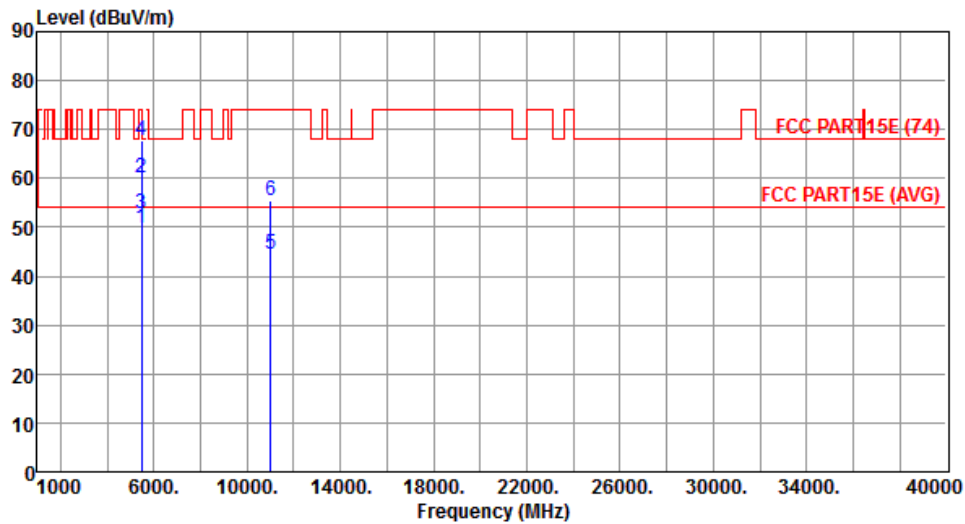
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.10	54.00	-6.90	40.34	6.76	Average	152	208
2	5460.00	58.13	74.00	-15.87	51.37	6.76	Peak	152	208
3	5470.00	48.11	54.00	-5.89	41.34	6.77	Average	152	208
4	5470.00	60.58	74.00	-13.42	53.81	6.77	Peak	152	208
5	11020.00	43.96	54.00	-10.04	27.23	16.73	Average	193	315
6	11020.00	55.15	74.00	-18.85	38.42	16.73	Peak	193	315

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5510
Polarization	Vertical	Test Configuration	1



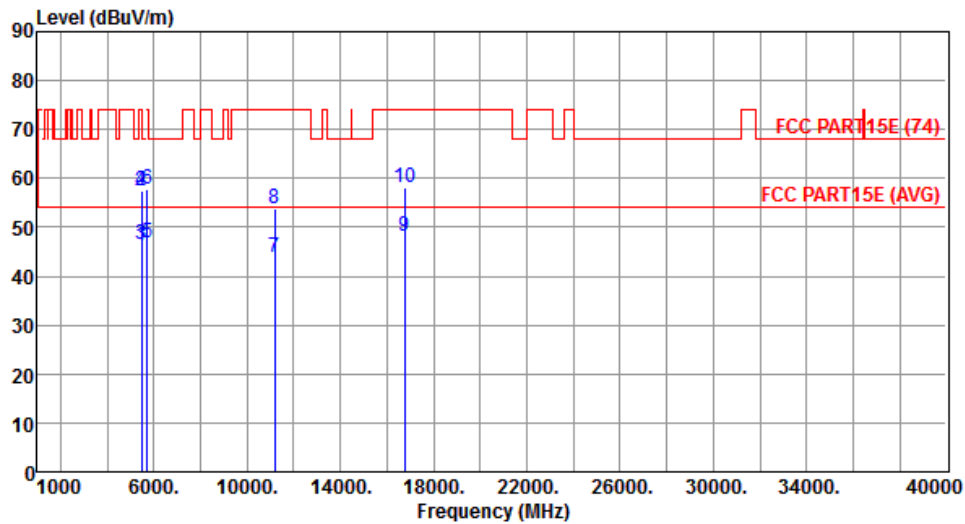
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.66	54.00	-4.34	42.40	7.26	Average	135	4
2	5460.00	60.22	74.00	-13.78	52.96	7.26	Peak	135	4
3	5470.00	52.94	54.00	-1.06	45.67	7.27	Average	135	4
4	5470.00	67.82	74.00	-6.18	60.55	7.27	Peak	135	4
5	11020.00	44.35	54.00	-9.65	27.62	16.73	Average	136	256
6	11020.00	55.34	74.00	-18.66	38.61	16.73	Peak	136	256

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	1



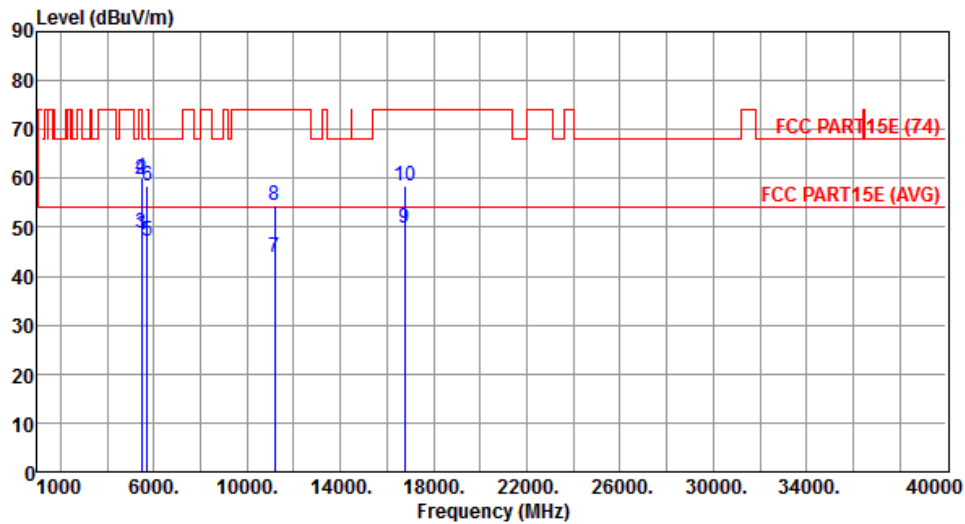
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.16	54.00	-7.84	38.90	7.26	Average	168	319
2	5460.00	57.38	74.00	-16.62	50.12	7.26	Peak	168	319
3	5470.00	46.37	54.00	-7.63	39.10	7.27	Average	168	319
4	5470.00	57.47	74.00	-16.53	50.20	7.27	Peak	168	319
5	5725.00	46.77	54.00	-7.23	39.09	7.68	Average	168	319
6	5725.00	57.74	74.00	-16.26	50.06	7.68	Peak	168	319
7	11180.00	43.76	54.00	-10.24	26.49	17.27	Average	224	39
8	11180.00	53.67	74.00	-20.33	36.40	17.27	Peak	224	39
9	16770.00	48.14	54.00	-5.86	29.46	18.68	Average	297	106
10	16770.00	58.26	74.00	-15.74	39.58	18.68	Peak	297	106

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Vertical	Test Configuration	1



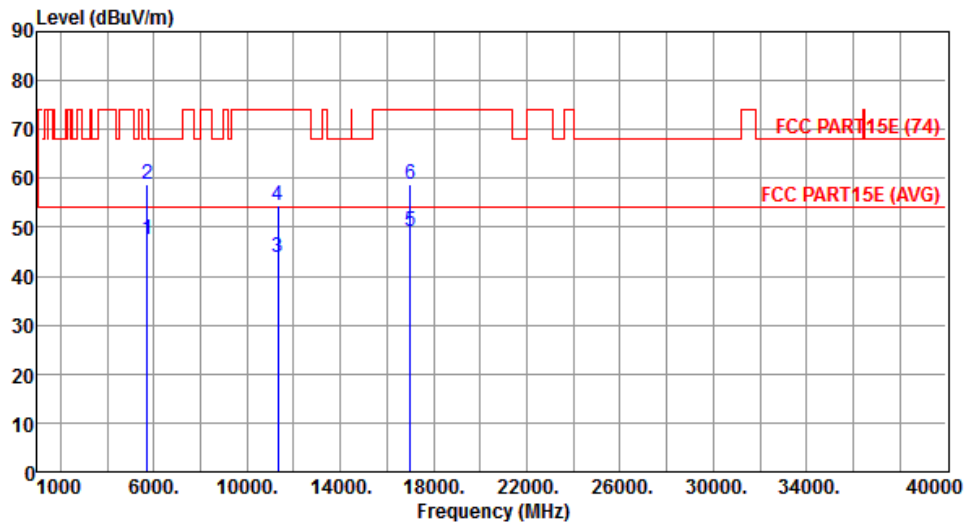
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.49	54.00	-5.51	41.23	7.26	Average	171	127
2	5460.00	59.64	74.00	-14.36	52.38	7.26	Peak	171	127
3	5470.00	48.80	54.00	-5.20	41.53	7.27	Average	171	127
4	5470.00	59.96	74.00	-14.04	52.69	7.27	Peak	171	127
5	5725.00	47.03	54.00	-6.97	39.35	7.68	Average	171	127
6	5725.00	58.56	74.00	-15.44	50.88	7.68	Peak	171	127
7	11180.00	43.67	54.00	-10.33	26.40	17.27	Average	249	318
8	11180.00	54.39	74.00	-19.61	37.12	17.27	Peak	249	318
9	16770.00	49.66	54.00	-4.34	30.98	18.68	Average	226	145
10	16770.00	58.60	74.00	-15.40	39.92	18.68	Peak	226	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	HT40	Test Freq. (MHz)	5670
Polarization	Horizontal	Test Configuration	1



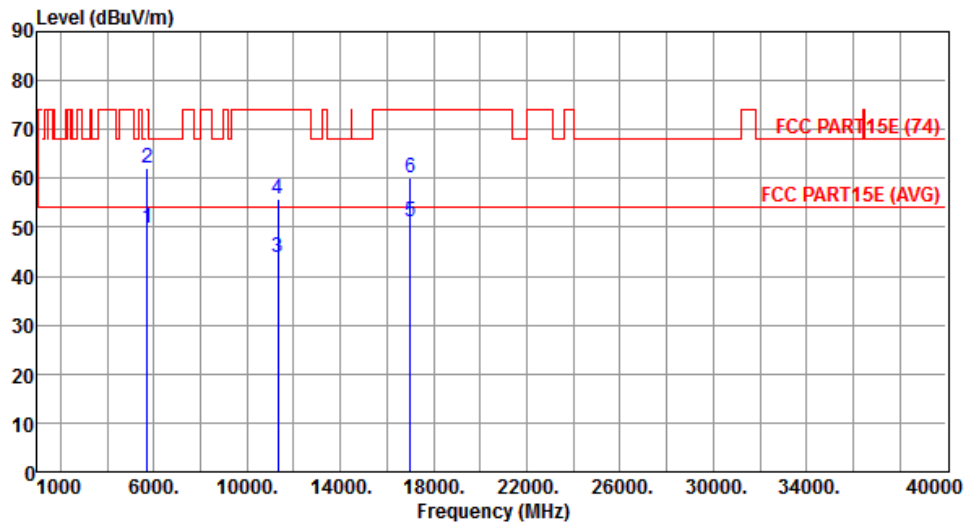
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	47.55	54.00	-6.45	40.31	7.24	Average	151	216
2	5725.00	58.92	74.00	-15.08	51.68	7.24	Peak	151	216
3	11340.00	43.97	54.00	-10.03	26.64	17.33	Average	190	274
4	11340.00	54.46	74.00	-19.54	37.13	17.33	Peak	190	274
5	17010.00	49.25	54.00	-4.75	30.27	18.98	Average	164	122
6	17010.00	58.86	74.00	-15.14	39.88	18.98	Peak	164	122

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5670
Polarization	Vertical	Test Configuration	1



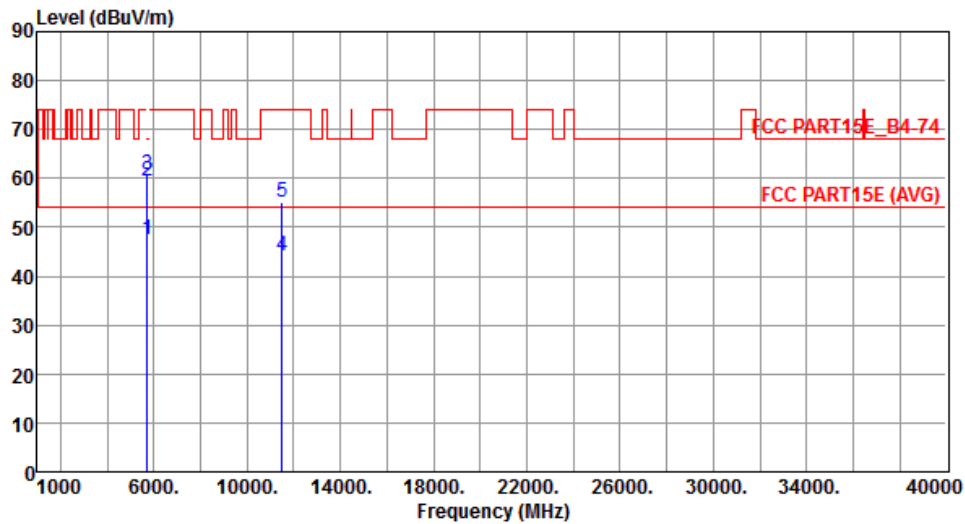
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	49.94	54.00	-4.06	42.26	7.68	Average	113	5
2	5725.00	61.94	74.00	-12.06	54.26	7.68	Peak	113	5
3	11340.00	43.96	54.00	-10.04	26.63	17.33	Average	205	341
4	11340.00	55.76	74.00	-18.24	38.43	17.33	Peak	205	341
5	17010.00	51.01	54.00	-2.99	32.03	18.98	Average	278	139
6	17010.00	60.25	74.00	-13.75	41.27	18.98	Peak	278	139

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	1



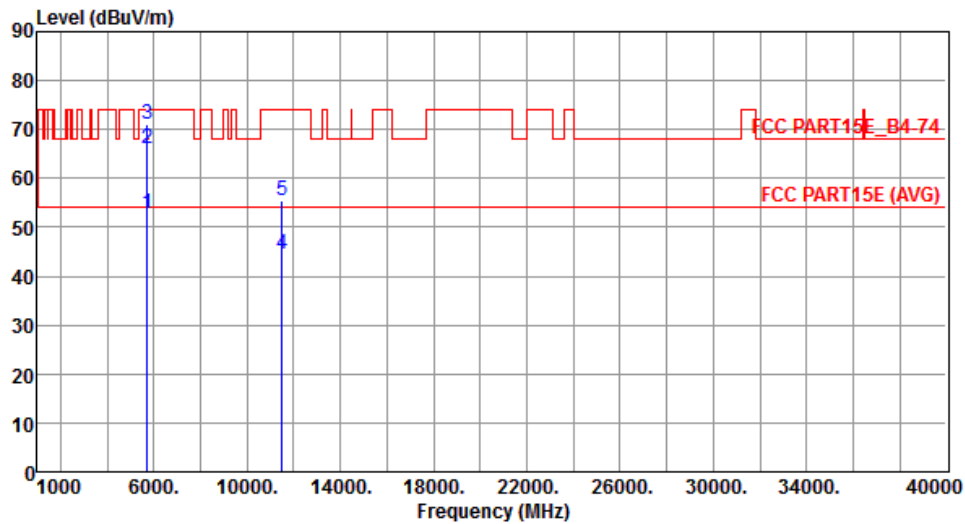
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.56	54.00	-6.44	40.36	7.20	Average	155	218
2	5715.00	59.37	74.00	-14.63	52.17	7.20	Peak	155	218
3	5725.00	60.62	78.20	-17.58	53.38	7.24	Peak	155	218
4	11510.00	44.12	54.00	-9.88	27.22	16.90	Average	182	242
5	11510.00	55.27	74.00	-18.73	38.37	16.90	Peak	182	242

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	1



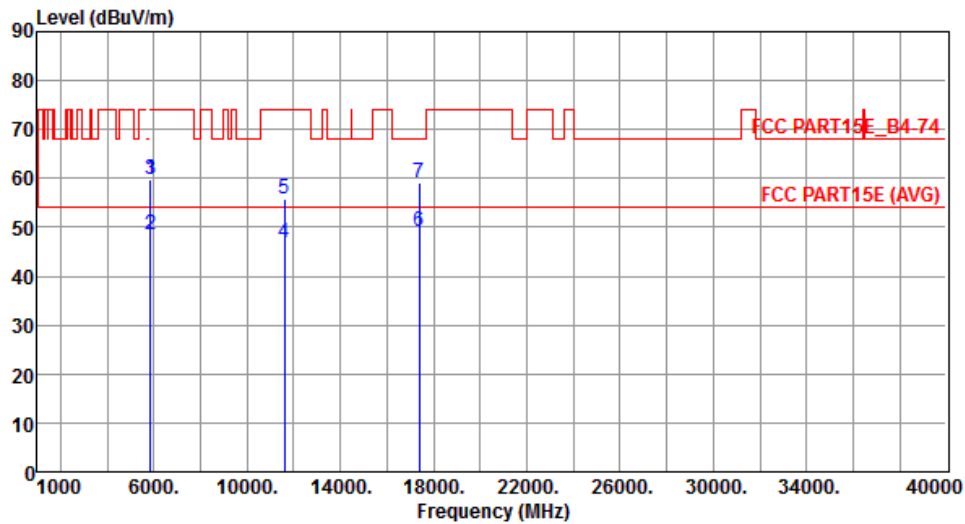
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.90	54.00	-1.10	45.26	7.64	Average	106	8
2	5715.00	66.07	74.00	-7.93	58.43	7.64	Peak	106	8
3	5725.00	71.11	78.20	-7.09	63.43	7.68	Peak	106	8
4	11510.00	44.55	54.00	-9.45	27.65	16.90	Average	168	173
5	11510.00	55.46	74.00	-18.54	38.56	16.90	Peak	168	173

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	1



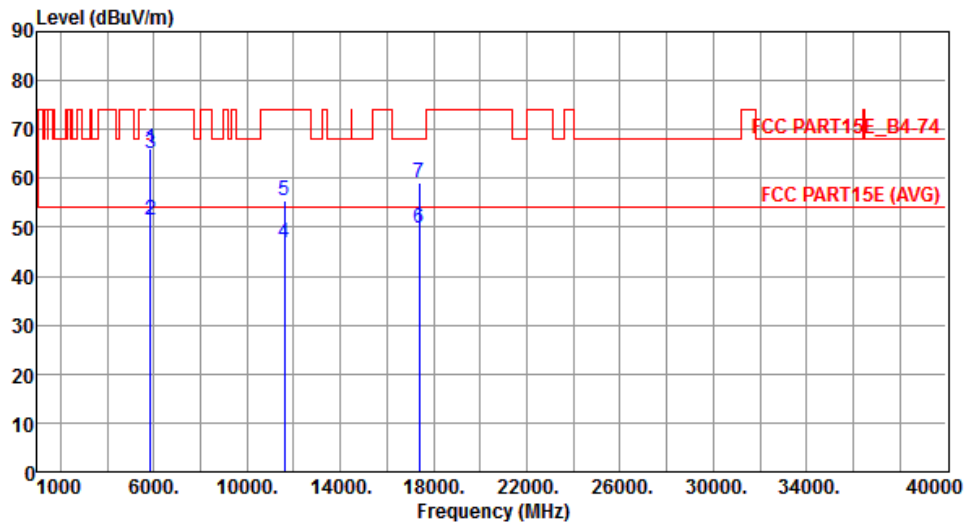
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	59.91	78.20	-18.29	51.91	8.00	Peak	161	319
2	5860.00	48.49	54.00	-5.51	40.47	8.02	Average	161	319
3	5860.00	59.80	74.00	-14.20	51.78	8.02	Peak	161	319
4	11590.00	46.78	54.00	-7.22	29.52	17.26	Average	203	95
5	11590.00	55.80	74.00	-18.20	38.54	17.26	Peak	203	95
6	17385.00	49.30	54.00	-4.70	29.89	19.41	Average	243	110
7	17385.00	59.26	74.00	-14.74	39.85	19.41	Peak	243	110

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	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	5850.00	66.19	78.20	-12.01	58.19	8.00	Peak	179	255
2	5860.00	51.56	54.00	-2.44	43.54	8.02	Average	179	255
3	5860.00	65.15	74.00	-8.85	57.13	8.02	Peak	179	255
4	11590.00	46.76	54.00	-7.24	29.50	17.26	Average	138	117
5	11590.00	55.55	74.00	-18.45	38.29	17.26	Peak	138	117
6	17385.00	49.69	54.00	-4.31	30.28	19.41	Average	164	115
7	17385.00	59.27	74.00	-14.73	39.86	19.41	Peak	164	115

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

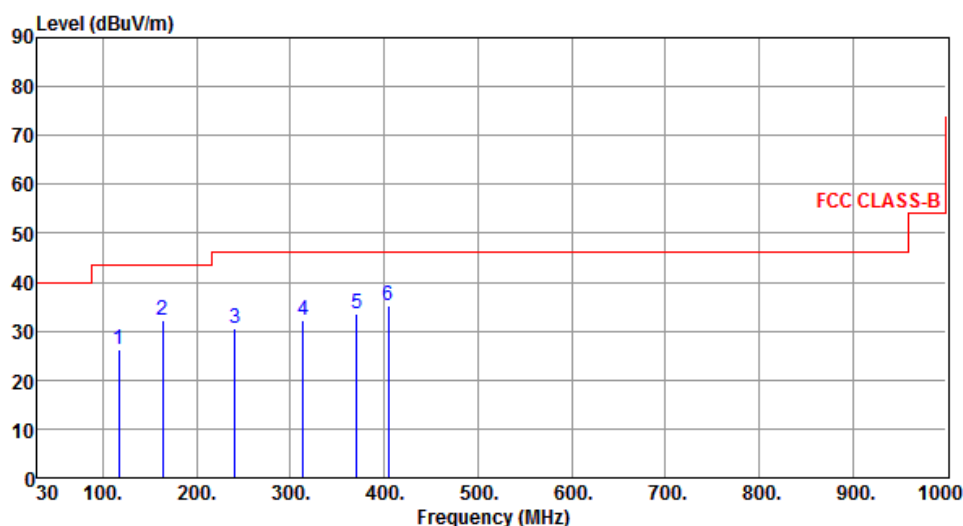
*Factor includes antenna factor , cable loss and amplifier gain

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

Test Configuration 2: PCB Dipole antenna

3.5.8 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	HT40	Test Freq. (MHz)	5590
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	117.30	26.40	43.50	-17.10	42.26	-15.86	Peak	---	---
2	163.86	32.15	43.50	-11.35	45.67	-13.52	Peak	---	---
3	240.49	30.44	46.00	-15.56	45.17	-14.73	Peak	---	---
4	313.24	32.38	46.00	-13.62	44.85	-12.47	Peak	---	---
5	370.47	33.64	46.00	-12.36	44.57	-10.93	Peak	---	---
6	404.42	35.11	46.00	-10.89	45.16	-10.05	Peak	---	---

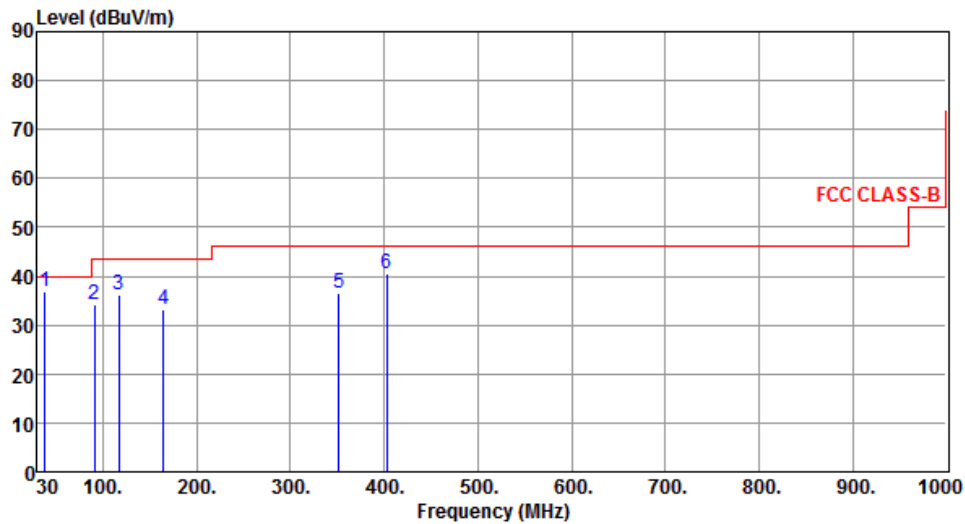
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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	HT40	Test Freq. (MHz)	5590
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	38.52	36.82	40.00	-3.18	50.30	-13.48	QP	100	3
2	91.11	34.12	43.50	-9.38	53.58	-19.46	Peak	---	---
3	117.30	36.18	43.50	-7.32	52.04	-15.86	Peak	---	---
4	164.83	33.28	43.50	-10.22	46.86	-13.58	Peak	---	---
5	352.04	36.37	46.00	-9.63	47.78	-11.41	Peak	---	---
6	402.48	40.64	46.00	-5.36	50.75	-10.11	Peak	---	---

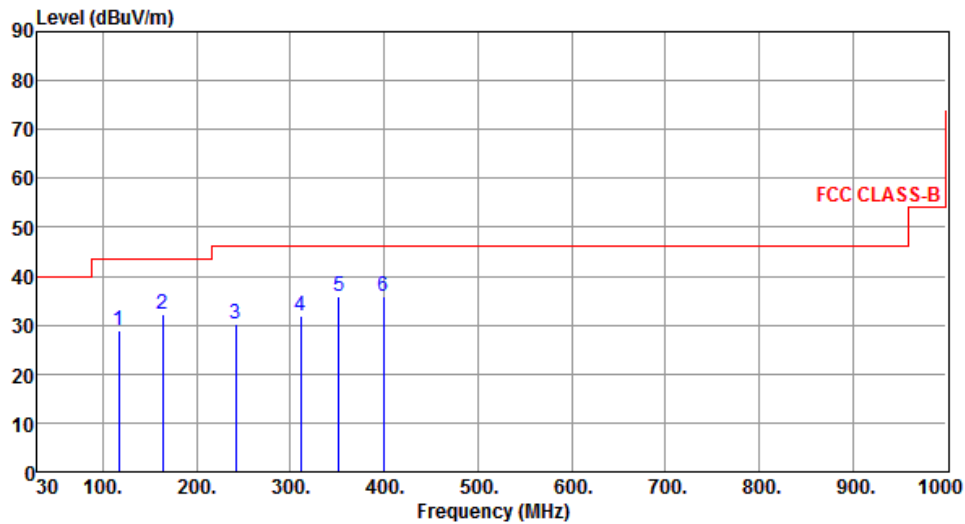
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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)	5785
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	117.30	28.81	43.50	-14.69	44.67	-15.86	Peak	---	---
2	163.86	32.26	43.50	-11.24	45.78	-13.52	Peak	---	---
3	241.46	30.29	46.00	-15.71	45.00	-14.71	Peak	---	---
4	311.30	31.82	46.00	-14.18	44.34	-12.52	Peak	---	---
5	352.04	35.99	46.00	-10.01	47.40	-11.41	Peak	---	---
6	399.57	35.72	46.00	-10.28	45.91	-10.19	Peak	---	---

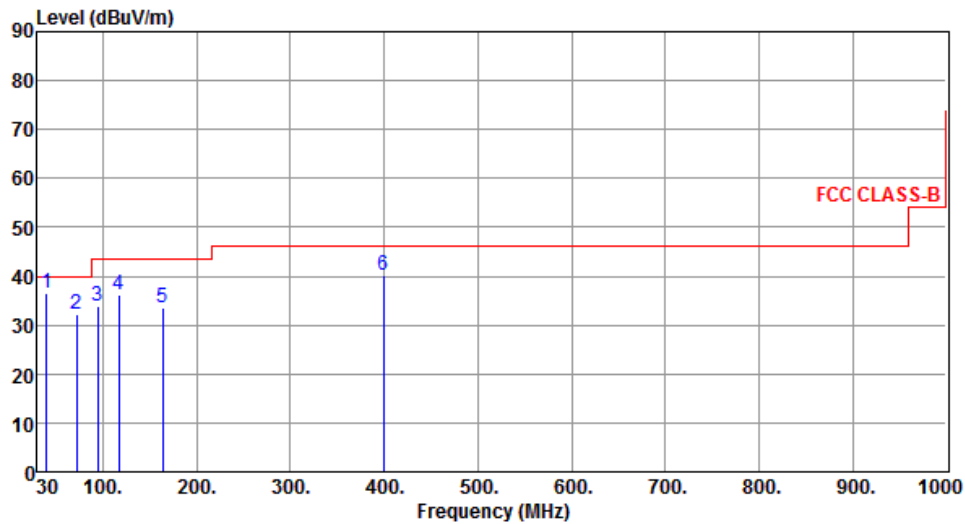
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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)	5785
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	39.70	36.65	40.00	-3.35	50.00	-13.35	Peak	---	---
2	71.71	32.35	40.00	-7.65	48.27	-15.92	Peak	---	---
3	94.02	33.80	43.50	-9.70	52.85	-19.05	Peak	---	---
4	117.30	36.17	43.50	-7.33	52.03	-15.86	Peak	---	---
5	163.86	33.61	43.50	-9.89	47.13	-13.52	Peak	---	---
6	399.57	40.26	46.00	-5.74	50.45	-10.19	Peak	---	---

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

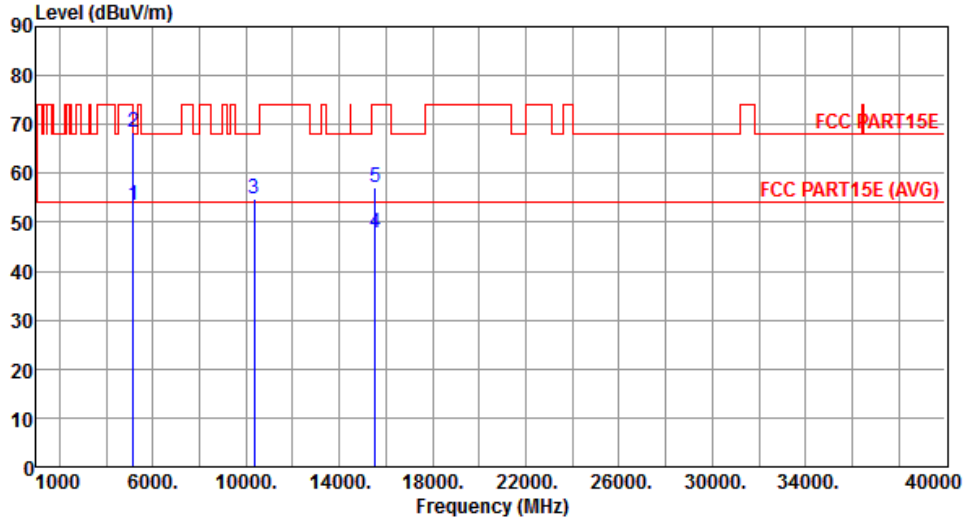
*Factor includes antenna factor , cable loss and amplifier gain

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.

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

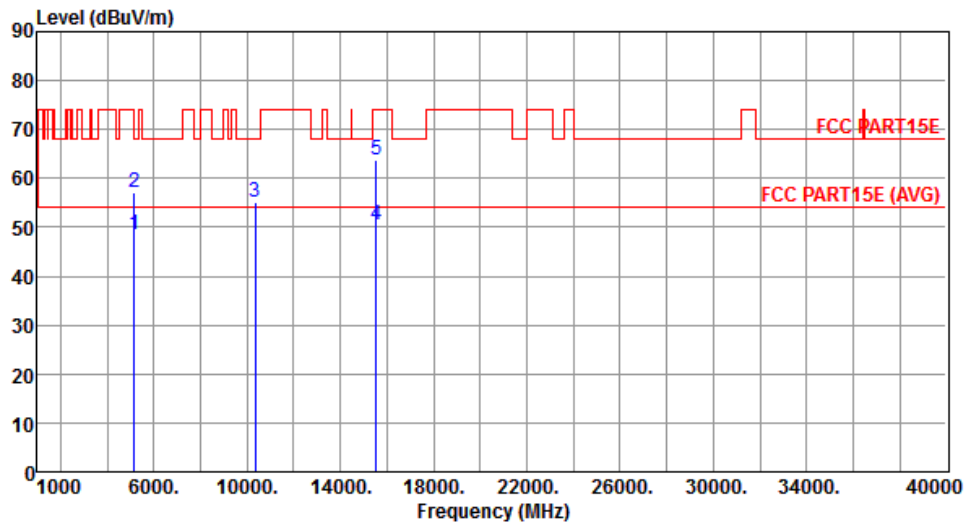
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.62	54.00	-0.38	47.31	6.31	Average	100	13
2	5150.00	68.32	74.00	-5.68	62.01	6.31	Peak	100	13
3	10360.00	54.94	68.20	-13.26	38.60	16.34	Peak	267	174
4	15540.00	47.78	54.00	-6.22	30.28	17.50	Average	165	118
5	15540.00	57.08	74.00	-16.92	39.58	17.50	Peak	165	118

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

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



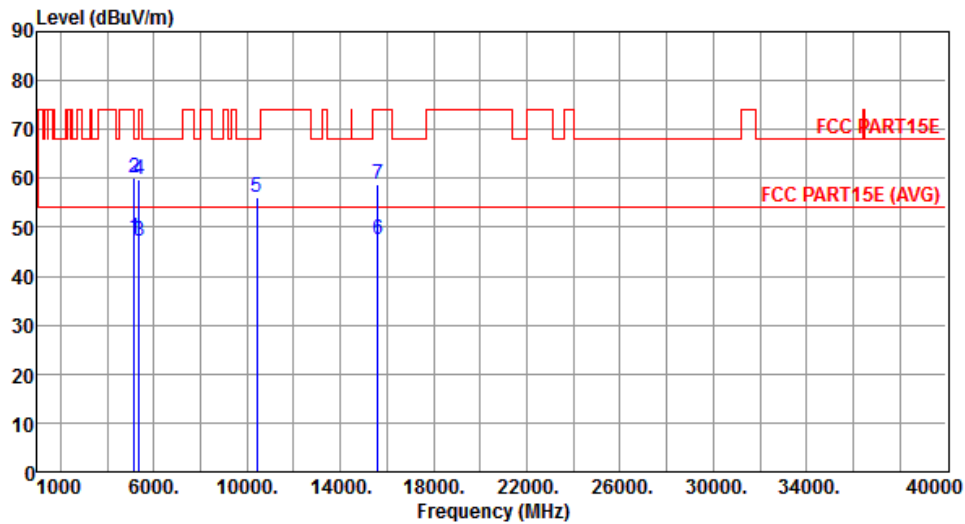
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.34	54.00	-5.66	42.03	6.31	Average	100	29
2	5150.00	57.20	74.00	-16.80	50.89	6.31	Peak	100	29
3	10360.00	55.23	68.20	-12.97	38.89	16.34	Peak	251	241
4	15540.00	50.52	54.00	-3.48	33.02	17.50	Average	150	151
5	15540.00	63.77	74.00	-10.23	46.27	17.50	Peak	150	151

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	2



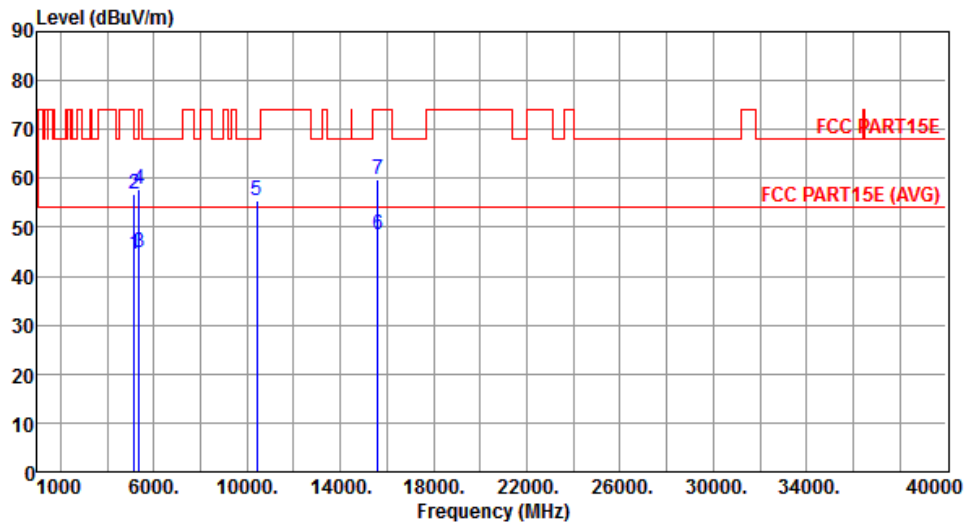
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.95	54.00	-6.05	41.64	6.31	Average	163	12
2	5150.00	60.26	74.00	-13.74	53.95	6.31	Peak	163	12
3	5350.00	47.14	54.00	-6.86	40.52	6.62	Average	163	12
4	5350.00	59.93	74.00	-14.07	53.31	6.62	Peak	163	12
5	10400.00	55.97	68.20	-12.23	39.55	16.42	Peak	214	168
6	15600.00	47.63	54.00	-6.37	30.25	17.38	Average	152	215
7	15600.00	58.69	74.00	-15.31	41.31	17.38	Peak	152	215

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	2



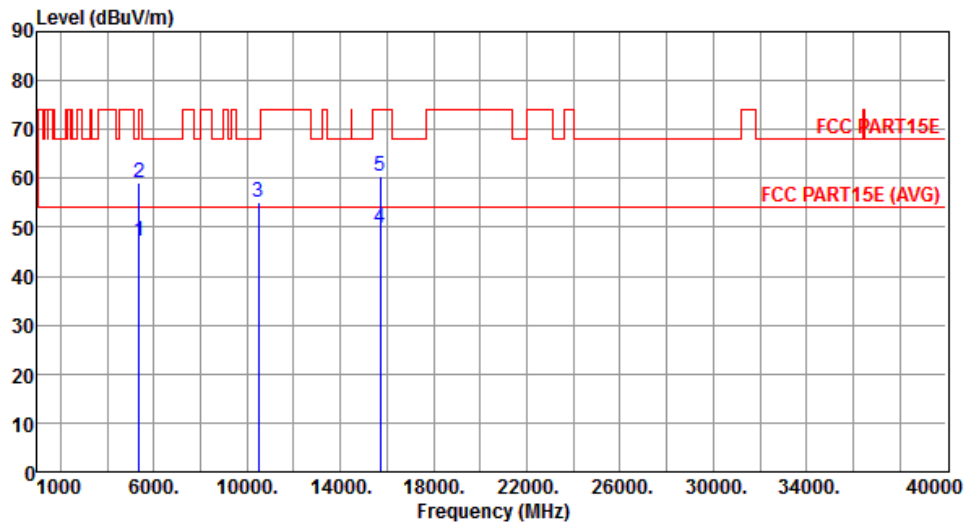
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.51	54.00	-9.49	38.20	6.31	Average	182	163
2	5150.00	56.85	74.00	-17.15	50.54	6.31	Peak	182	163
3	5350.00	44.78	54.00	-9.22	38.16	6.62	Average	182	163
4	5350.00	57.64	74.00	-16.36	51.02	6.62	Peak	182	163
5	10400.00	55.30	68.20	-12.90	38.88	16.42	Peak	268	247
6	15600.00	48.64	54.00	-5.36	31.26	17.38	Average	150	151
7	15600.00	59.74	74.00	-14.26	42.36	17.38	Peak	150	151

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



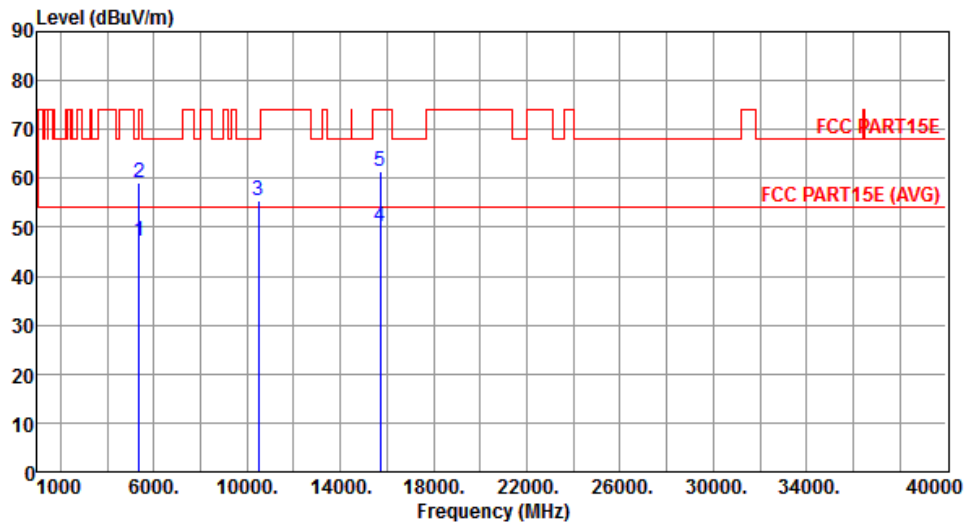
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.25	54.00	-6.75	40.63	6.62	Average	155	12
2	5350.00	59.20	74.00	-14.80	52.58	6.62	Peak	155	12
3	10480.00	55.10	68.20	-13.10	38.54	16.56	Peak	168	216
4	15720.00	49.88	54.00	-4.12	32.73	17.15	Average	156	150
5	15720.00	60.51	74.00	-13.49	43.36	17.15	Peak	156	150

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



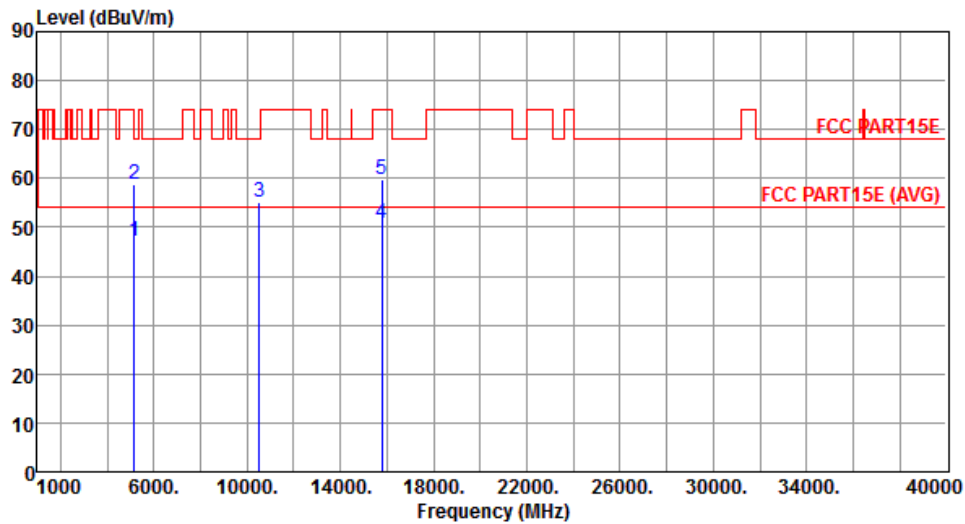
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.10	54.00	-6.90	40.48	6.62	Average	156	320
2	5350.00	59.23	74.00	-14.77	52.61	6.62	Peak	156	320
3	10480.00	55.43	68.20	-12.77	38.87	16.56	Peak	271	88
4	15720.00	50.05	54.00	-3.95	32.90	17.15	Average	222	137
5	15720.00	61.42	74.00	-12.58	44.27	17.15	Peak	222	137

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



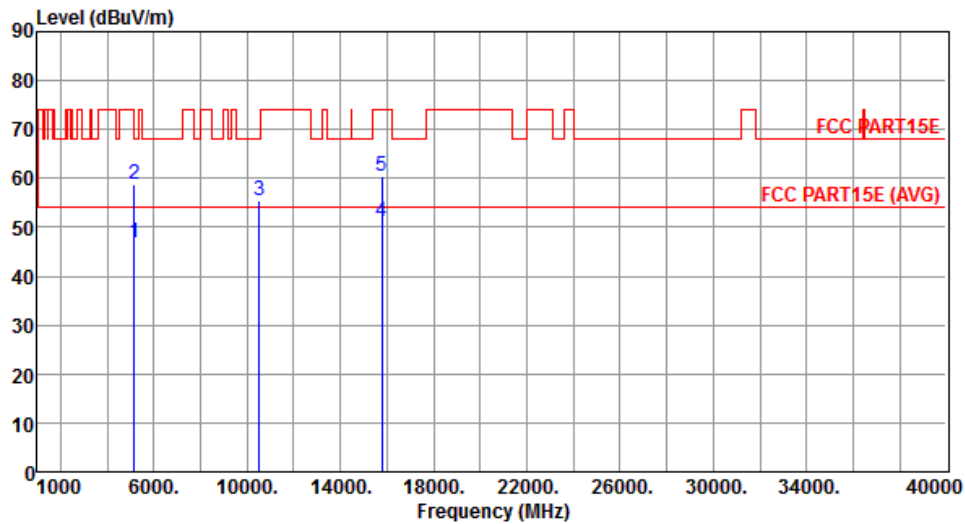
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.23	54.00	-6.77	40.92	6.31	Average	152	10
2	5150.00	58.74	74.00	-15.26	52.43	6.31	Peak	152	10
3	10520.00	55.14	68.20	-13.06	38.54	16.60	Peak	165	185
4	15780.00	50.86	54.00	-3.14	33.81	17.05	Average	166	173
5	15780.00	59.72	74.00	-14.28	42.67	17.05	Peak	166	173

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



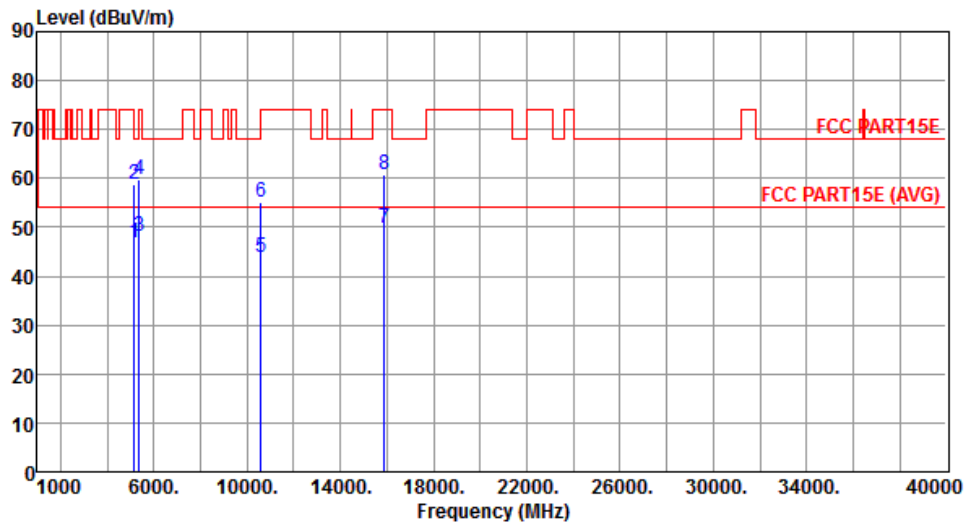
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.76	54.00	-7.24	40.45	6.31	Average	156	312
2	5150.00	58.65	74.00	-15.35	52.34	6.31	Peak	156	312
3	10520.00	55.58	68.20	-12.62	38.98	16.60	Peak	321	171
4	15780.00	51.19	54.00	-2.81	34.14	17.05	Average	250	133
5	15780.00	60.60	74.00	-13.40	43.55	17.05	Peak	250	133

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



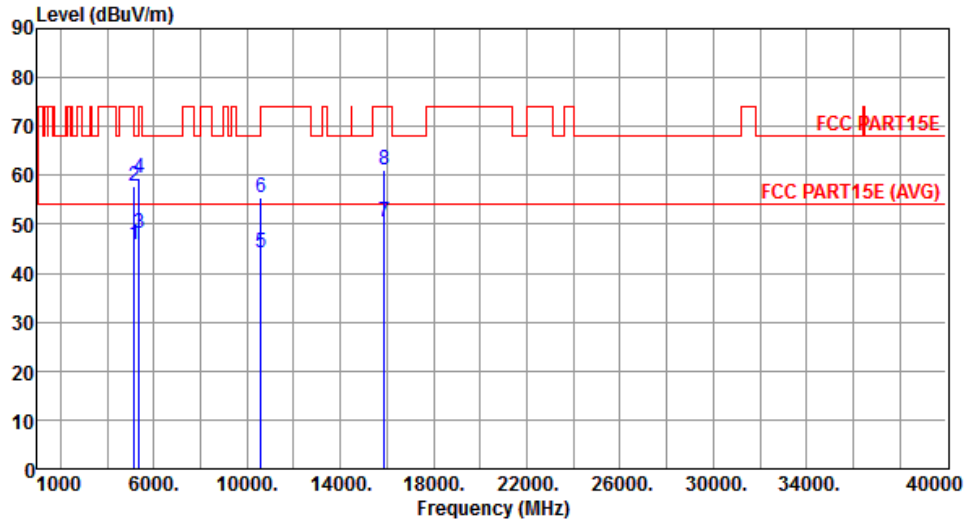
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.71	54.00	-7.29	40.40	6.31	Average	150	11
2	5150.00	58.71	74.00	-15.29	52.40	6.31	Peak	150	11
3	5350.00	48.25	54.00	-5.75	41.63	6.62	Average	150	11
4	5350.00	59.93	74.00	-14.07	53.31	6.62	Peak	150	11
5	10600.00	43.88	54.00	-10.12	27.26	16.62	Average	166	138
6	10600.00	55.07	74.00	-18.93	38.45	16.62	Peak	166	138
7	15900.00	49.67	54.00	-4.33	32.85	16.82	Average	172	153
8	15900.00	60.84	74.00	-13.16	44.02	16.82	Peak	172	153

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

*Factor includes antenna factor, cable loss and amplifier gain

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

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



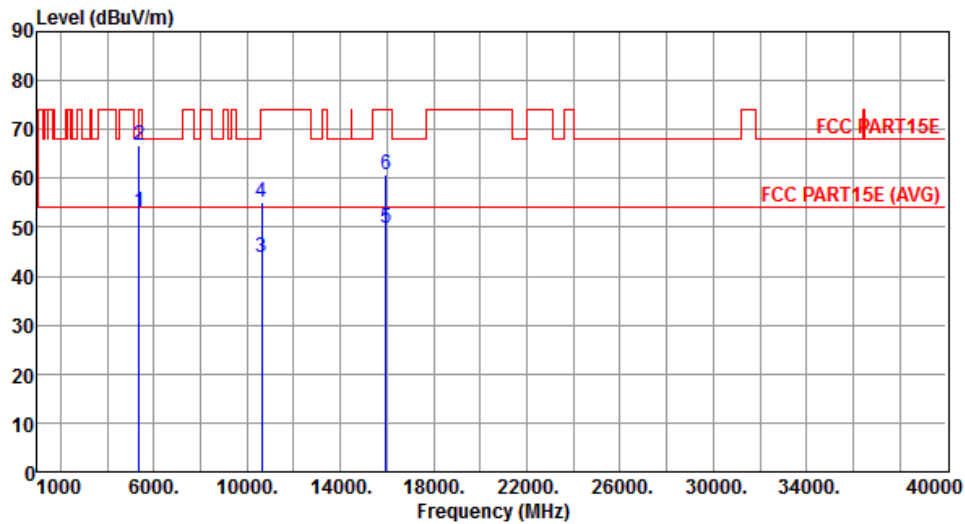
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.92	54.00	-8.08	39.61	6.31	Average	150	320
2	5150.00	57.68	74.00	-16.32	51.37	6.31	Peak	150	320
3	5350.00	48.18	54.00	-5.82	41.56	6.62	Average	150	320
4	5350.00	59.41	74.00	-14.59	52.79	6.62	Peak	150	320
5	10600.00	44.21	54.00	-9.79	27.59	16.62	Average	280	187
6	10600.00	55.60	74.00	-18.40	38.98	16.62	Peak	280	187
7	15900.00	50.39	54.00	-3.61	33.57	16.82	Average	166	145
8	15900.00	61.17	74.00	-12.83	44.35	16.82	Peak	166	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	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	2



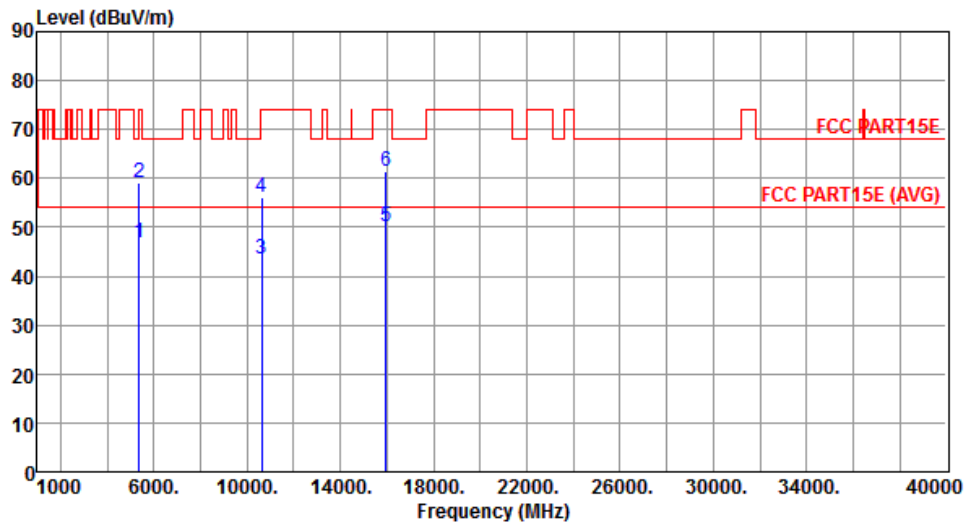
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.29	54.00	-0.71	46.67	6.62	Average	100	20
2	5350.00	66.88	74.00	-7.12	60.26	6.62	Peak	100	20
3	10640.00	43.75	54.00	-10.25	27.12	16.63	Average	155	123
4	10640.00	55.16	74.00	-18.84	38.53	16.63	Peak	155	123
5	15960.00	49.83	54.00	-4.17	33.13	16.70	Average	182	156
6	15960.00	60.81	74.00	-13.19	44.11	16.70	Peak	182	156

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



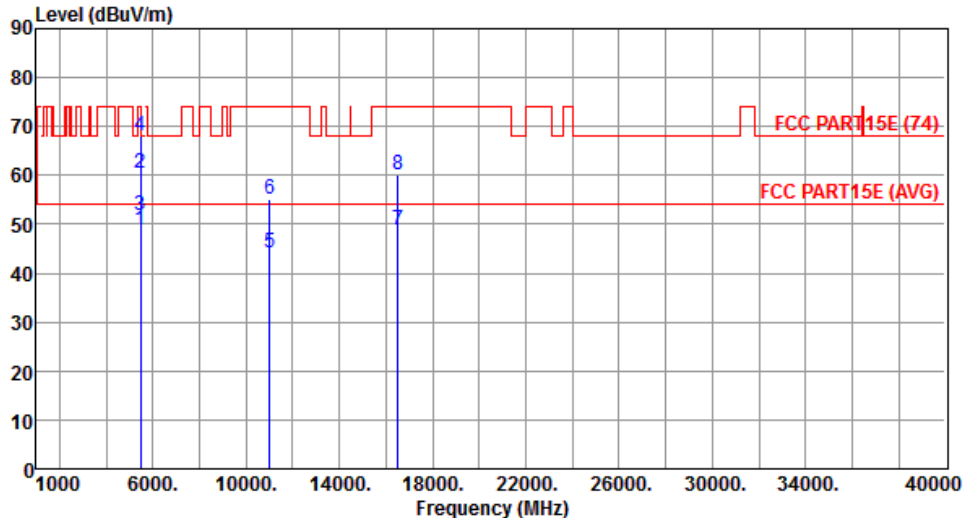
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.74	54.00	-7.26	40.12	6.62	Average	182	165
2	5350.00	58.97	74.00	-15.03	52.35	6.62	Peak	182	165
3	10640.00	43.63	54.00	-10.37	27.00	16.63	Average	285	174
4	10640.00	56.20	74.00	-17.80	39.57	16.63	Peak	285	174
5	15960.00	50.16	54.00	-3.84	33.46	16.70	Average	116	151
6	15960.00	61.55	74.00	-12.45	44.85	16.70	Peak	116	151

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

*Factor includes antenna factor , cable loss and amplifier gain

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

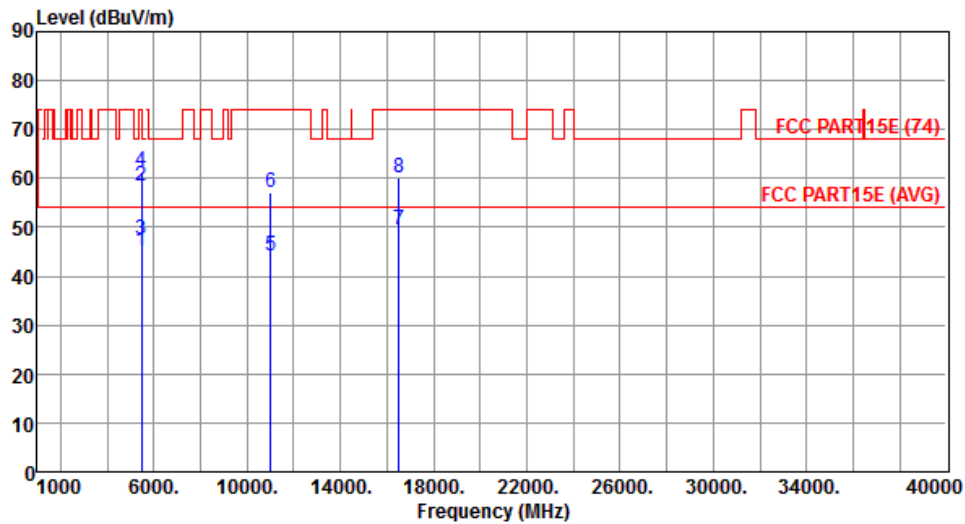
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.77	54.00	-5.23	42.01	6.76	Average	100	27
2	5460.00	60.37	74.00	-13.63	53.61	6.76	Peak	100	27
3	5470.00	51.96	54.00	-2.04	45.19	6.77	Average	100	27
4	5470.00	67.94	74.00	-6.06	61.17	6.77	Peak	100	27
5	11000.00	44.17	54.00	-9.83	27.45	16.72	Average	100	196
6	11000.00	55.25	74.00	-18.75	38.53	16.72	Peak	100	196
7	16500.00	48.89	54.00	-5.11	31.02	17.87	Average	135	218
8	16500.00	60.03	74.00	-13.97	42.16	17.87	Peak	135	218

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

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



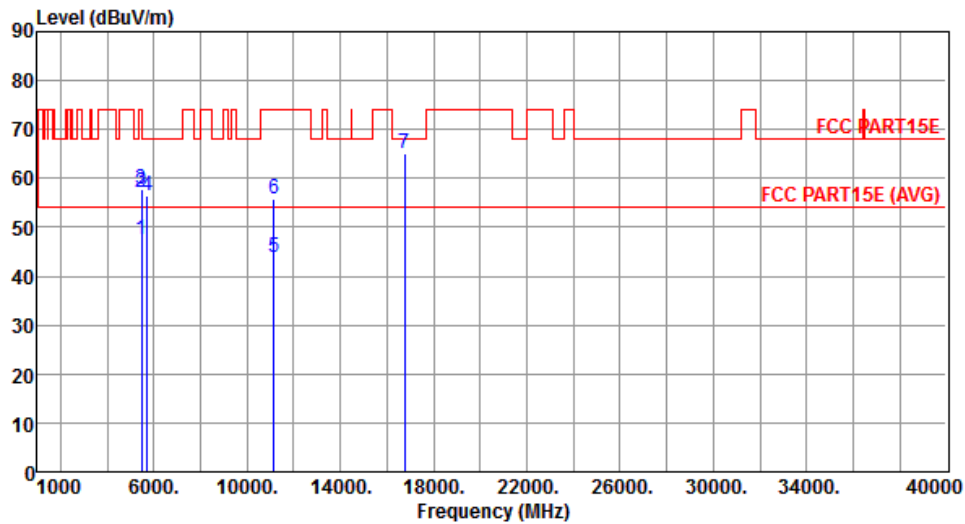
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.00	54.00	-9.00	38.24	6.76	Average	150	340
2	5460.00	58.43	74.00	-15.57	51.67	6.76	Peak	150	340
3	5470.00	47.62	54.00	-6.38	40.85	6.77	Average	150	340
4	5470.00	61.43	74.00	-12.57	54.66	6.77	Peak	150	340
5	11000.00	44.31	54.00	-9.69	27.59	16.72	Average	220	156
6	11000.00	56.98	74.00	-17.02	40.26	16.72	Peak	220	156
7	16500.00	49.62	54.00	-4.38	31.75	17.87	Average	278	136
8	16500.00	60.15	74.00	-13.85	42.28	17.87	Peak	278	136

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



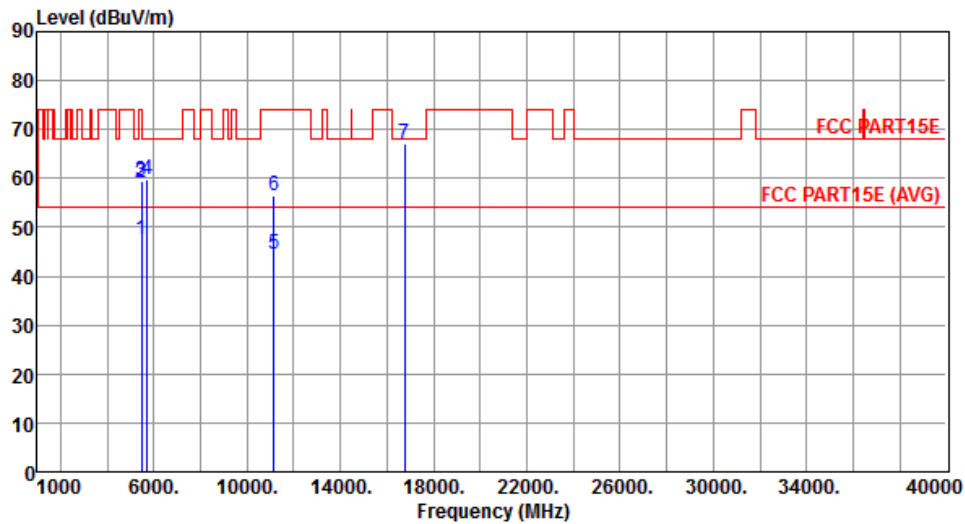
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.52	54.00	-6.48	40.76	6.76	Average	106	26
2	5460.00	57.01	74.00	-16.99	50.25	6.76	Peak	106	26
3	5470.00	57.93	68.20	-10.27	51.16	6.77	Peak	106	26
4	5725.00	56.35	68.20	-11.85	49.11	7.24	Peak	106	26
5	11160.00	43.67	54.00	-10.33	26.88	16.79	Average	241	234
6	11160.00	55.67	74.00	-18.33	38.88	16.79	Peak	241	234
7	16740.00	65.08	68.20	-3.12	46.68	18.40	Peak	300	123

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



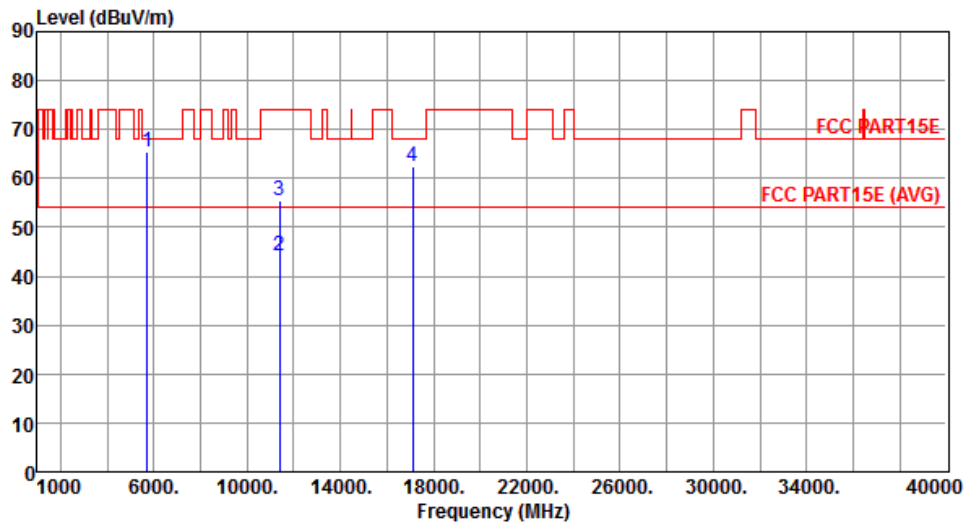
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.40	54.00	-6.60	40.64	6.76	Average	150	342
2	5460.00	59.00	74.00	-15.00	52.24	6.76	Peak	150	342
3	5470.00	59.41	68.20	-8.79	52.64	6.77	Peak	150	342
4	5725.00	59.68	68.20	-8.52	52.44	7.24	Peak	150	342
5	11160.00	44.64	54.00	-9.36	27.85	16.79	Average	283	157
6	11160.00	56.35	74.00	-17.65	39.56	16.79	Peak	283	157
7	16740.00	66.94	68.20	-1.26	48.54	18.40	Peak	283	136

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



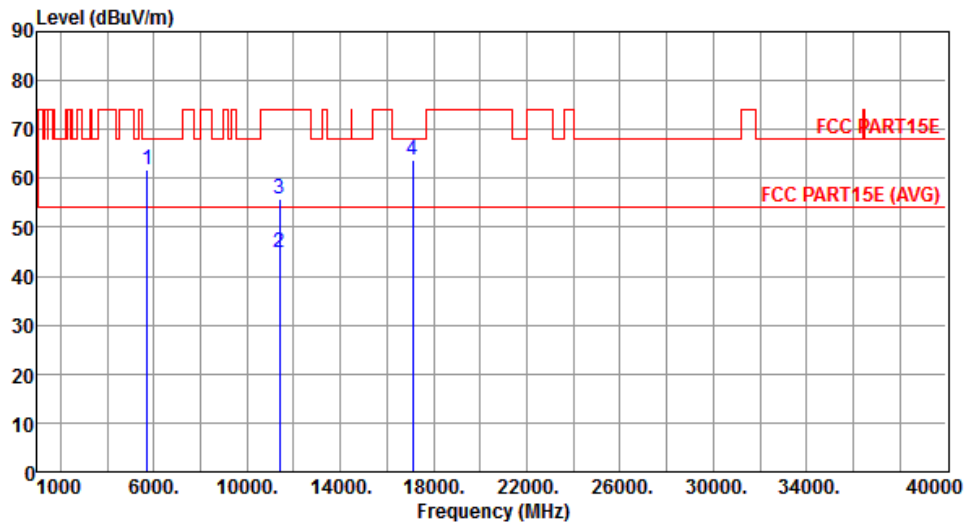
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.50	68.20	-2.70	58.26	7.24	Peak	100	24
2	11400.00	44.33	54.00	-9.67	27.45	16.88	Average	168	312
3	11400.00	55.43	74.00	-18.57	38.55	16.88	Peak	168	312
4	17100.00	62.47	68.20	-5.73	43.35	19.12	Peak	196	258

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



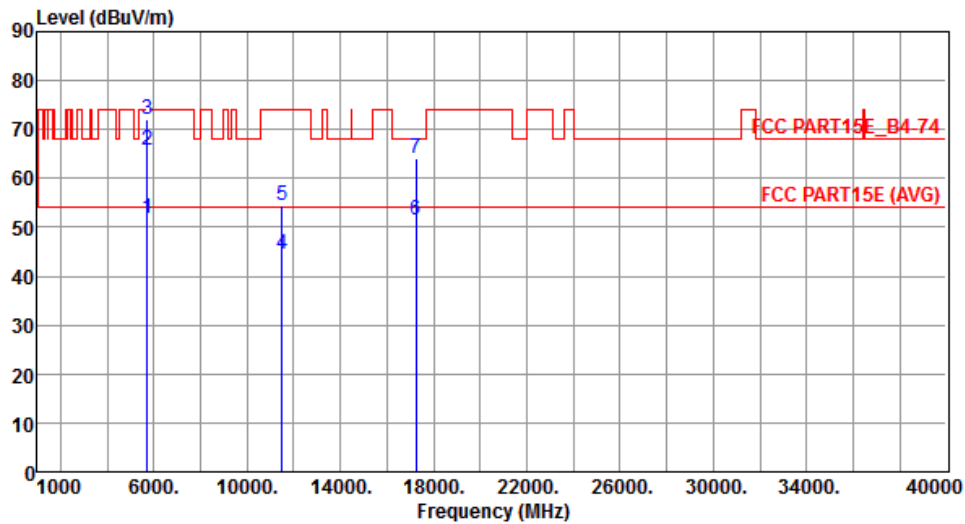
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.62	68.20	-6.58	54.38	7.24	Peak	152	162
2	11400.00	44.86	54.00	-9.14	27.98	16.88	Average	282	24
3	11400.00	55.65	74.00	-18.35	38.77	16.88	Peak	282	24
4	17100.00	63.68	68.20	-4.52	44.56	19.12	Peak	223	160

Note 1: Emission Level (dBuV/m) = SA Reading (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	2



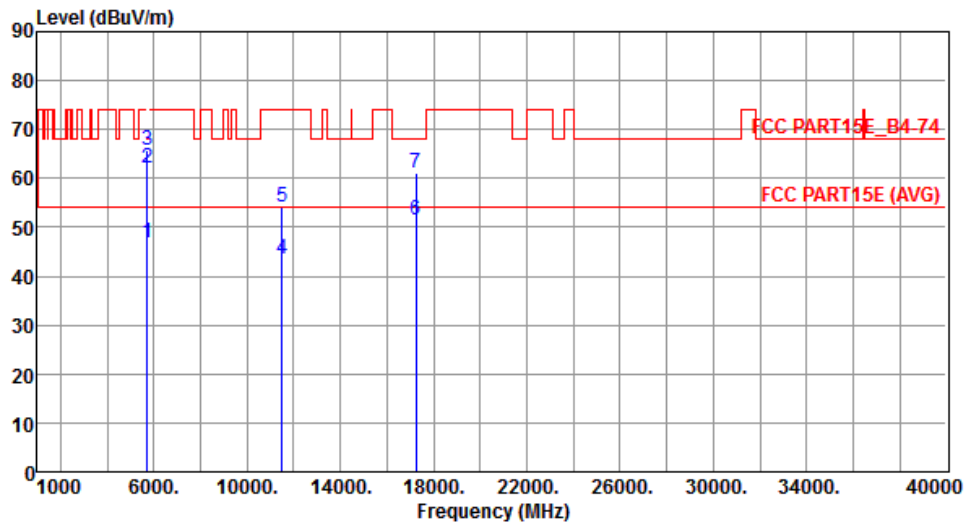
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.74	54.00	-2.26	44.54	7.20	Average	128	1
2	5715.00	65.89	74.00	-8.11	58.69	7.20	Peak	128	1
3	5725.00	71.90	78.20	-6.30	64.66	7.24	Peak	128	1
4	11490.00	44.53	54.00	-9.47	27.62	16.91	Average	279	340
5	11490.00	54.31	74.00	-19.69	37.40	16.91	Peak	279	340
6	17235.00	51.40	54.00	-2.60	32.08	19.32	Average	201	120
7	17235.00	64.00	74.00	-10.00	44.68	19.32	Peak	201	120

Note 1: Emission Level (dBuV/m) = SA Reading (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	2



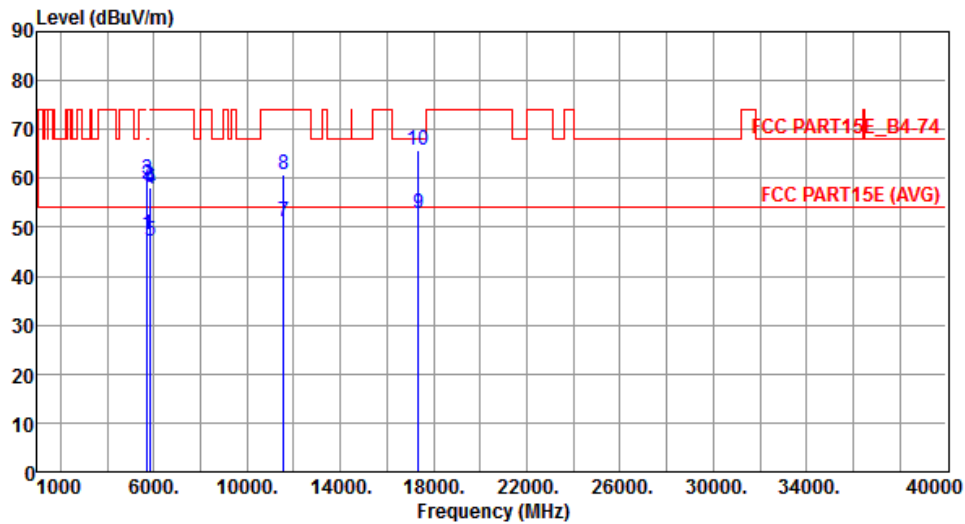
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.77	54.00	-7.23	39.57	7.20	Average	255	43
2	5715.00	62.07	74.00	-11.93	54.87	7.20	Peak	255	43
3	5725.00	65.86	78.20	-12.34	58.62	7.24	Peak	255	43
4	11490.00	43.66	54.00	-10.34	26.75	16.91	Average	241	39
5	11490.00	54.25	74.00	-19.75	37.34	16.91	Peak	241	39
6	17235.00	51.58	54.00	-2.42	32.26	19.32	Average	224	162
7	17235.00	61.02	74.00	-12.98	41.70	19.32	Peak	224	162

Note 1: Emission Level (dBuV/m) = SA Reading (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	2



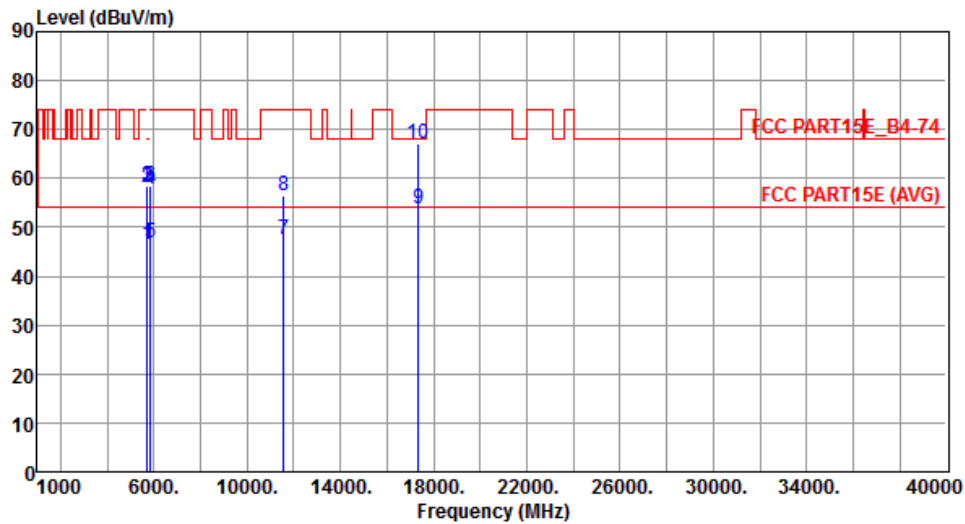
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.36	54.00	-5.64	41.16	7.20	Average	173	17
2	5715.00	58.82	74.00	-15.18	51.62	7.20	Peak	173	17
3	5725.00	59.76	78.20	-18.44	52.52	7.24	Peak	173	17
4	5850.00	57.84	78.20	-20.36	50.34	7.50	Peak	173	17
5	5860.00	47.29	54.00	-6.71	39.78	7.51	Average	173	17
6	5860.00	58.10	74.00	-15.90	50.59	7.51	Peak	173	17
7	11570.00	51.22	54.00	-2.78	34.42	16.80	Average	196	107
8	11570.00	60.75	74.00	-13.25	43.95	16.80	Peak	196	107
9	17355.00	52.86	54.00	-1.14	33.37	19.49	Average	193	111
10	17355.00	65.73	74.00	-8.27	46.24	19.49	Peak	193	111

Note 1: Emission Level (dBuV/m) = SA Reading (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	2



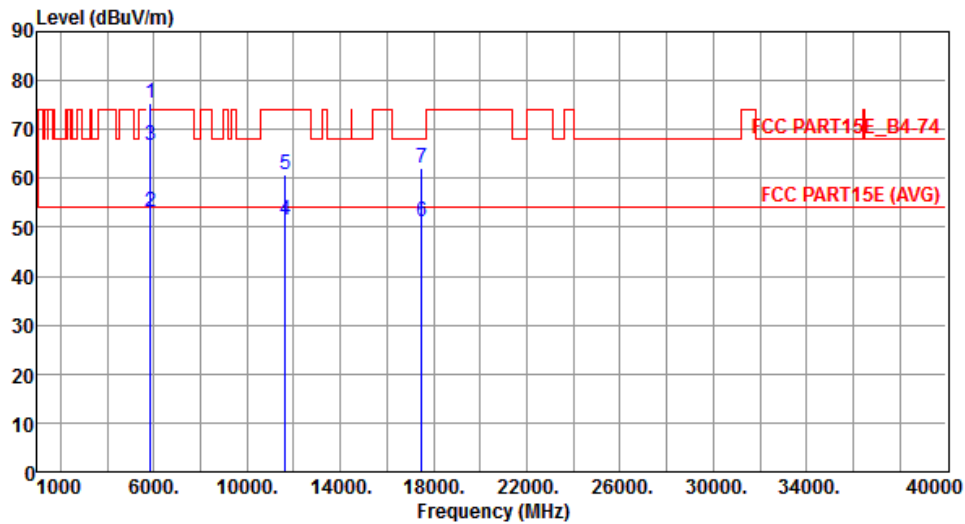
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.44	54.00	-7.56	39.24	7.20	Average	137	170
2	5715.00	57.96	74.00	-16.04	50.76	7.20	Peak	137	170
3	5725.00	58.30	78.20	-19.90	51.06	7.24	Peak	137	170
4	5850.00	57.76	78.20	-20.44	50.26	7.50	Peak	137	170
5	5860.00	46.79	54.00	-7.21	39.28	7.51	Average	137	170
6	5860.00	58.43	74.00	-15.57	50.92	7.51	Peak	137	170
7	11570.00	47.48	54.00	-6.52	30.68	16.80	Average	177	56
8	11570.00	56.62	74.00	-17.38	39.82	16.80	Peak	177	56
9	17355.00	53.73	54.00	-0.27	34.24	19.49	Average	268	145
10	17355.00	67.18	74.00	-6.82	47.69	19.49	Peak	268	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	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	2



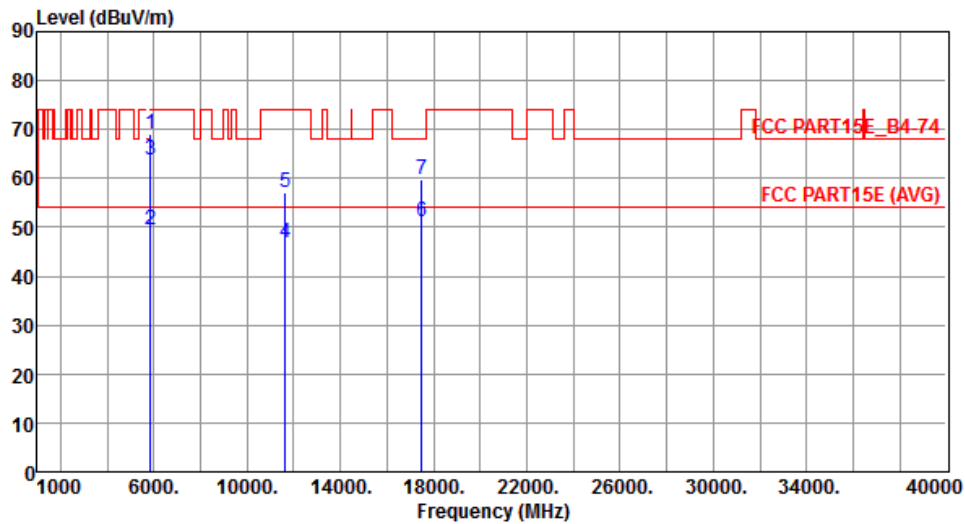
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	75.41	78.20	-2.79	67.91	7.50	Peak	117	162
2	5860.00	53.14	54.00	-0.86	45.63	7.51	Average	117	162
3	5860.00	66.78	74.00	-7.22	59.27	7.51	Peak	117	162
4	11650.00	51.32	54.00	-2.68	34.67	16.65	Average	183	103
5	11650.00	60.61	74.00	-13.39	43.96	16.65	Peak	183	103
6	17475.00	51.30	54.00	-2.70	31.64	19.66	Average	131	118
7	17475.00	62.10	74.00	-11.90	42.44	19.66	Peak	131	118

Note 1: Emission Level (dBuV/m) = SA Reading (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	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	5850.00	69.16	78.20	-9.04	61.66	7.50	Peak	250	77
2	5860.00	49.47	54.00	-4.53	41.96	7.51	Average	250	77
3	5860.00	63.63	74.00	-10.37	56.12	7.51	Peak	250	77
4	11650.00	46.70	54.00	-7.30	30.05	16.65	Average	201	14
5	11650.00	57.04	74.00	-16.96	40.39	16.65	Peak	201	14
6	17475.00	51.08	54.00	-2.92	31.42	19.66	Average	227	149
7	17475.00	59.93	74.00	-14.07	40.27	19.66	Peak	227	149

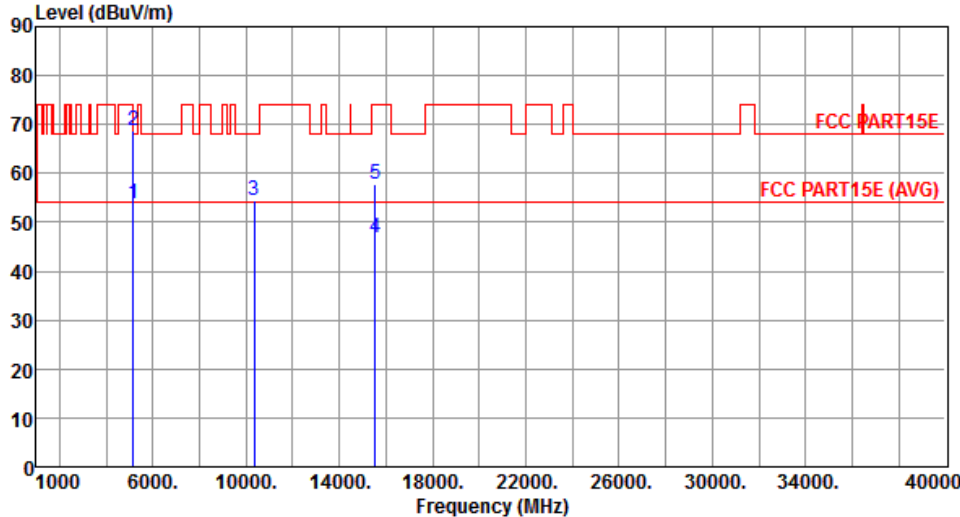
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.5.10 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

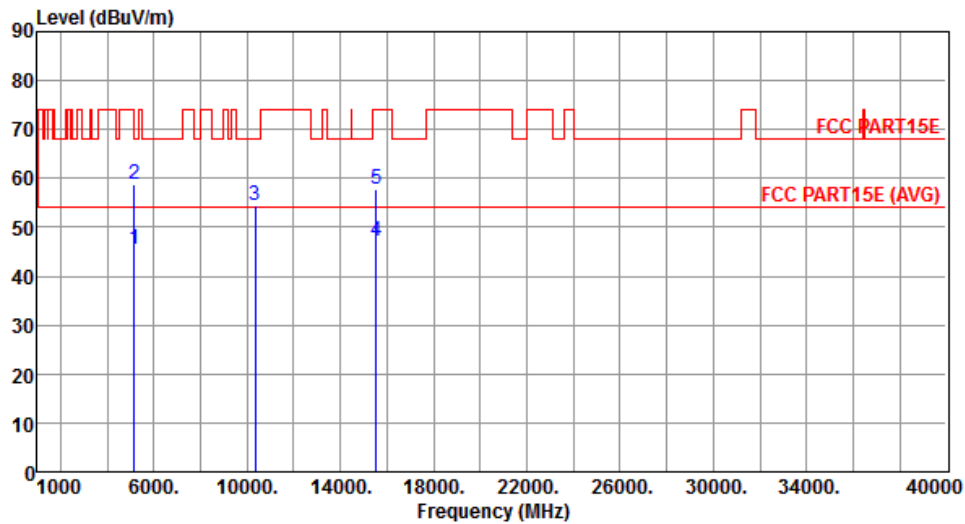
Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.80	54.00	-0.20	47.49	6.31	Average	126	170
2	5150.00	68.59	74.00	-5.41	62.28	6.31	Peak	126	170
3	10360.00	54.59	68.20	-13.61	38.25	16.34	Peak	163	156
4	15540.00	46.90	54.00	-7.10	29.40	17.50	Average	188	222
5	15540.00	57.87	74.00	-16.13	40.37	17.50	Peak	188	222

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	2



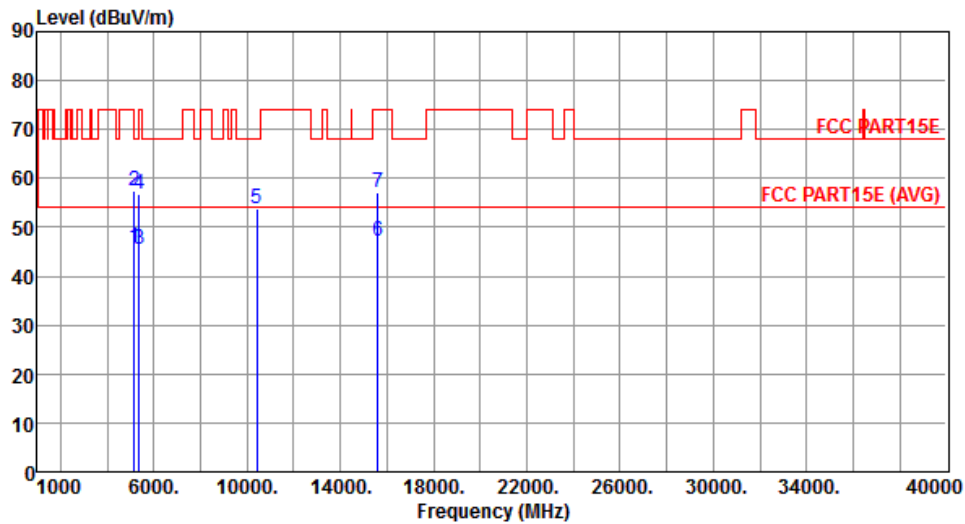
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.65	54.00	-8.35	39.34	6.31	Average	220	110
2	5150.00	58.65	74.00	-15.35	52.34	6.31	Peak	220	110
3	10360.00	54.46	68.20	-13.74	38.12	16.34	Peak	152	216
4	15540.00	47.02	54.00	-6.98	29.52	17.50	Average	193	312
5	15540.00	57.77	74.00	-16.23	40.27	17.50	Peak	193	312

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	2



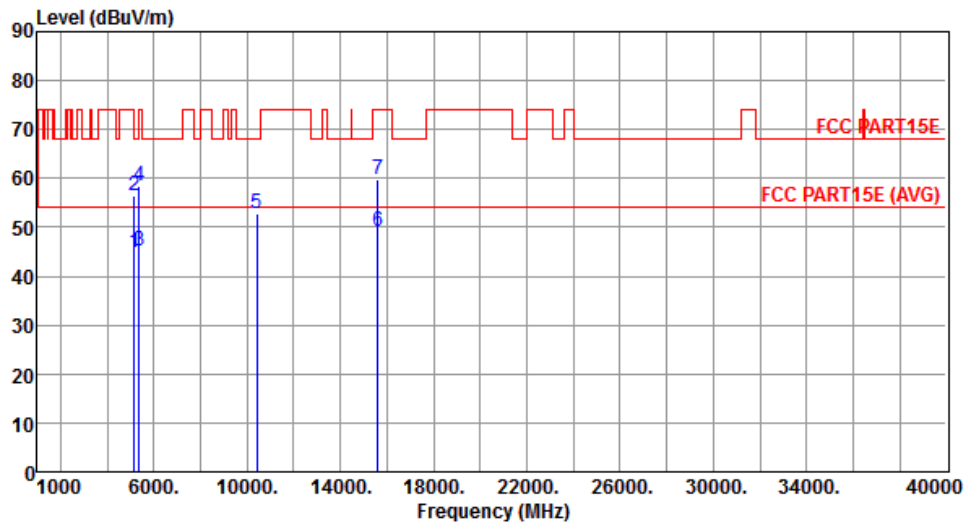
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.72	54.00	-8.28	39.41	6.31	Average	150	10
2	5150.00	57.53	74.00	-16.47	51.22	6.31	Peak	150	10
3	5350.00	45.48	54.00	-8.52	38.86	6.62	Average	150	10
4	5350.00	56.74	74.00	-17.26	50.12	6.62	Peak	150	10
5	10400.00	53.92	68.20	-14.28	37.50	16.42	Peak	227	341
6	15600.00	47.18	54.00	-6.82	29.80	17.38	Average	216	170
7	15600.00	57.23	74.00	-16.77	39.85	17.38	Peak	216	170

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	2



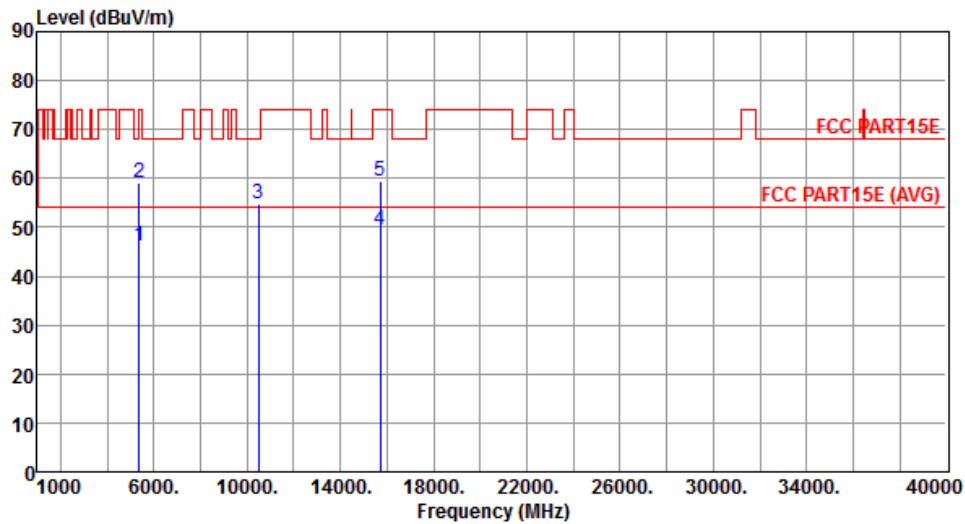
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.74	54.00	-9.26	38.43	6.31	Average	225	310
2	5150.00	56.43	74.00	-17.57	50.12	6.31	Peak	225	310
3	5350.00	45.07	54.00	-8.93	38.45	6.62	Average	225	310
4	5350.00	58.30	74.00	-15.70	51.68	6.62	Peak	225	310
5	10400.00	52.78	68.20	-15.42	36.36	16.42	Peak	117	249
6	15600.00	49.21	54.00	-4.79	31.83	17.38	Average	210	138
7	15600.00	59.78	74.00	-14.22	42.40	17.38	Peak	210	138

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	2



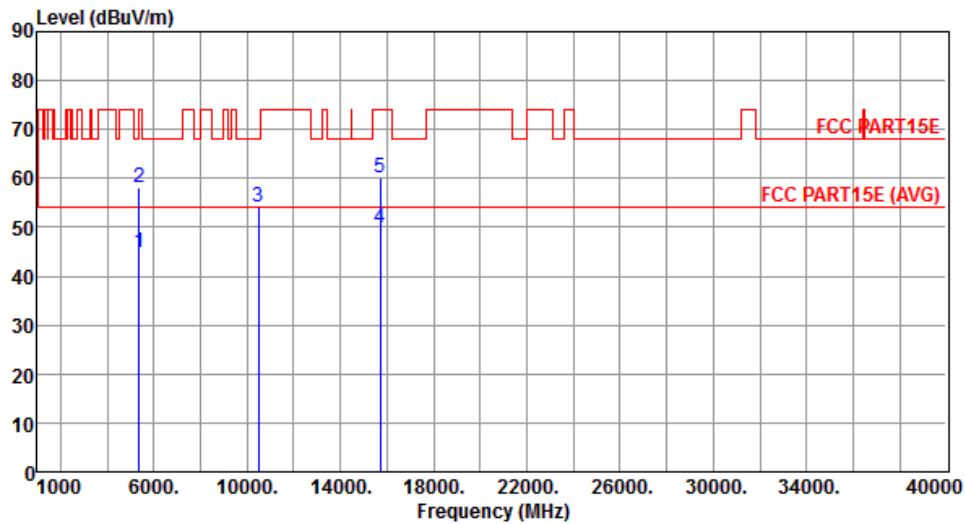
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.07	54.00	-7.93	39.45	6.62	Average	166	10
2	5350.00	59.27	74.00	-14.73	52.65	6.62	Peak	166	10
3	10480.00	54.81	68.20	-13.39	38.25	16.56	Peak	152	216
4	15720.00	49.41	54.00	-4.59	32.26	17.15	Average	177	168
5	15720.00	59.60	74.00	-14.40	42.45	17.15	Peak	177	168

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	2



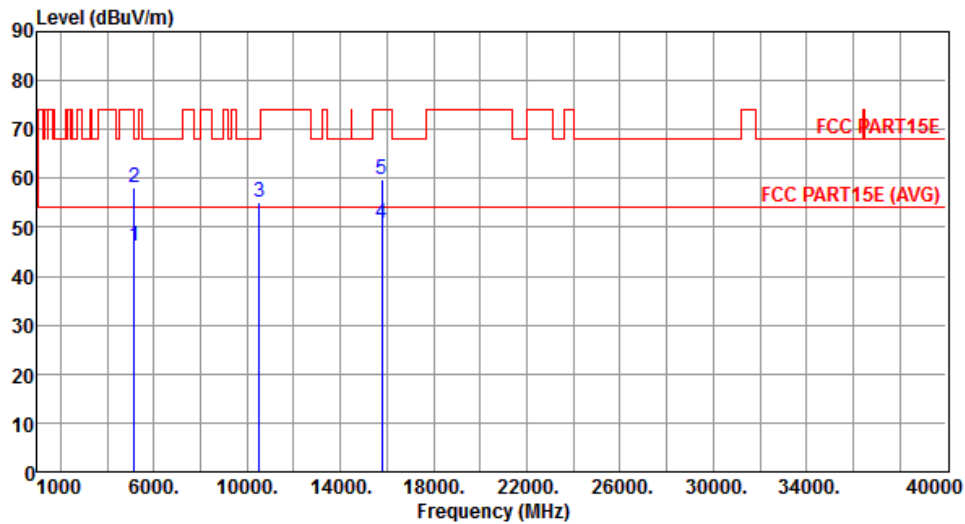
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	44.83	54.00	-9.17	38.21	6.62	Average	355	210
2	5350.00	58.17	74.00	-15.83	51.55	6.62	Peak	355	210
3	10480.00	54.06	68.20	-14.14	37.50	16.56	Peak	116	327
4	15720.00	49.79	54.00	-4.21	32.64	17.15	Average	187	141
5	15720.00	60.07	74.00	-13.93	42.92	17.15	Peak	187	141

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	2



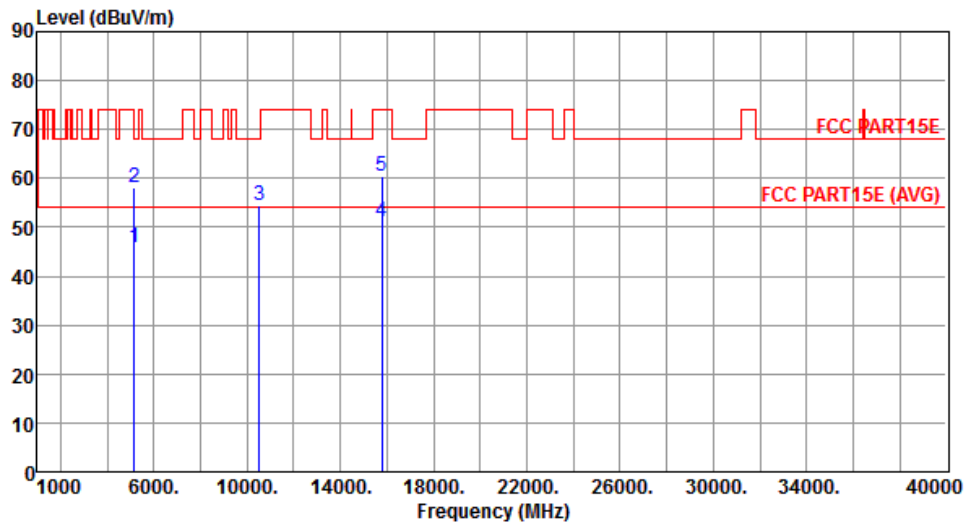
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.16	54.00	-7.84	39.85	6.31	Average	200	312
2	5150.00	58.12	74.00	-15.88	51.81	6.31	Peak	200	312
3	10520.00	55.04	68.20	-13.16	38.44	16.60	Peak	155	196
4	15780.00	50.69	54.00	-3.31	33.64	17.05	Average	177	152
5	15780.00	59.80	74.00	-14.20	42.75	17.05	Peak	177	152

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	2



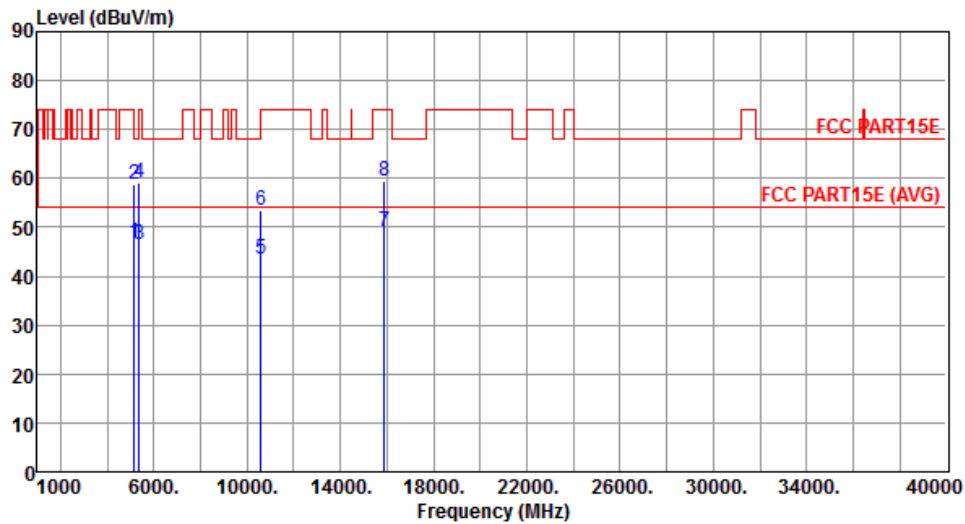
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.74	54.00	-8.26	39.43	6.31	Average	250	96
2	5150.00	58.12	74.00	-15.88	51.81	6.31	Peak	250	96
3	10520.00	54.52	68.20	-13.68	37.92	16.60	Peak	165	305
4	15780.00	51.28	54.00	-2.72	34.23	17.05	Average	183	144
5	15780.00	60.51	74.00	-13.49	43.46	17.05	Peak	183	144

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	2



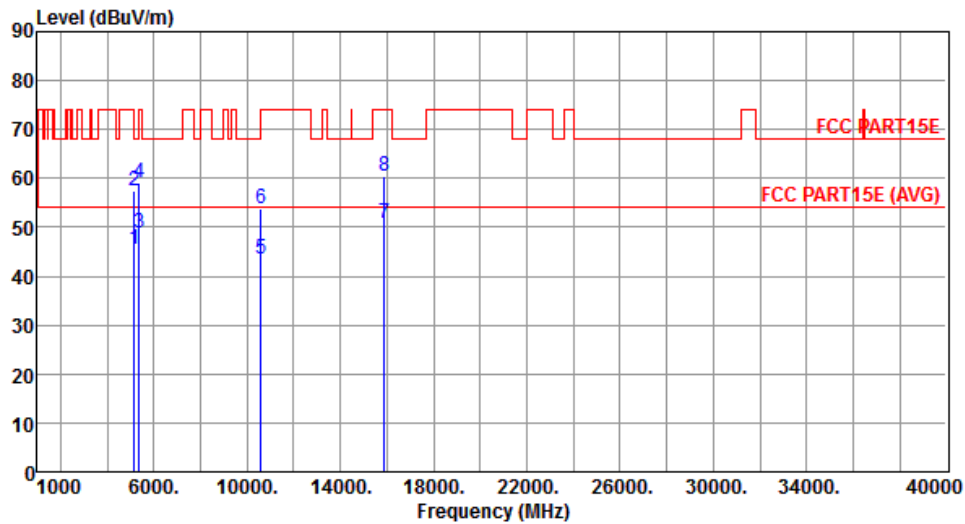
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.73	54.00	-7.27	40.42	6.31	Average	150	10
2	5150.00	58.75	74.00	-15.25	52.44	6.31	Peak	150	10
3	5350.00	46.48	54.00	-7.52	39.86	6.62	Average	150	10
4	5350.00	59.09	74.00	-14.91	52.47	6.62	Peak	150	10
5	10600.00	43.38	54.00	-10.62	26.76	16.62	Average	213	1
6	10600.00	53.48	74.00	-20.52	36.86	16.62	Peak	213	1
7	15900.00	49.00	54.00	-5.00	32.18	16.82	Average	248	102
8	15900.00	59.40	74.00	-14.60	42.58	16.82	Peak	248	102

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	2



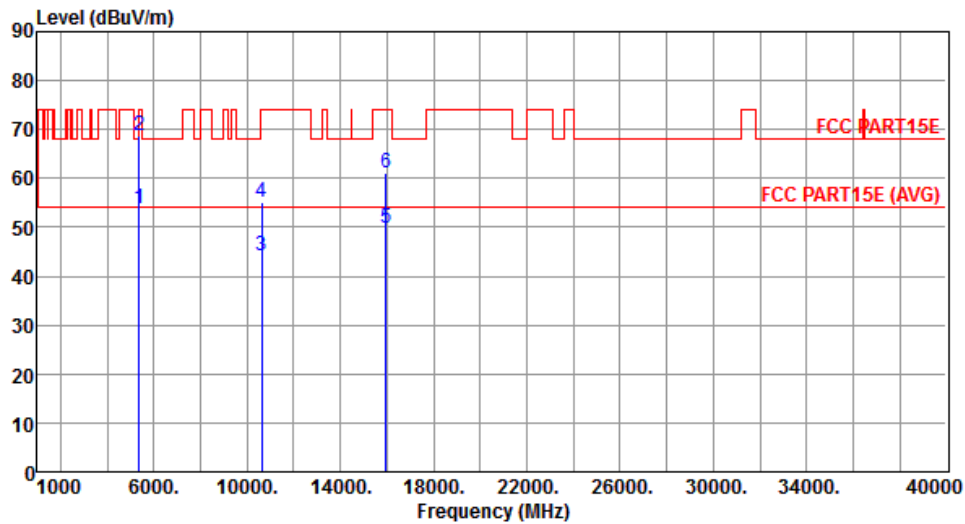
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.55	54.00	-8.45	39.24	6.31	Average	185	316
2	5150.00	57.46	74.00	-16.54	51.15	6.31	Peak	185	316
3	5350.00	48.87	54.00	-5.13	42.25	6.62	Average	185	316
4	5350.00	59.15	74.00	-14.85	52.53	6.62	Peak	185	316
5	10600.00	43.60	54.00	-10.40	26.98	16.62	Average	148	39
6	10600.00	53.75	74.00	-20.25	37.13	16.62	Peak	148	39
7	15900.00	50.79	54.00	-3.21	33.97	16.82	Average	143	149
8	15900.00	60.44	74.00	-13.56	43.62	16.82	Peak	143	149

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	2



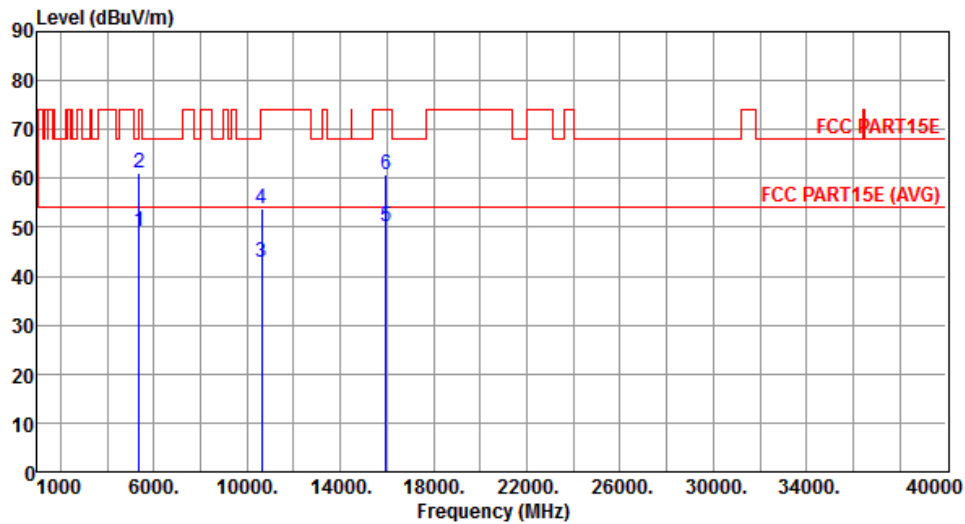
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.84	54.00	-0.16	47.22	6.62	Average	125	31
2	5350.00	68.69	74.00	-5.31	62.07	6.62	Peak	125	31
3	10640.00	44.15	54.00	-9.85	27.52	16.63	Average	168	252
4	10640.00	55.25	74.00	-18.75	38.62	16.63	Peak	168	252
5	15960.00	49.83	54.00	-4.17	33.13	16.70	Average	172	163
6	15960.00	60.96	74.00	-13.04	44.26	16.70	Peak	172	163

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	2



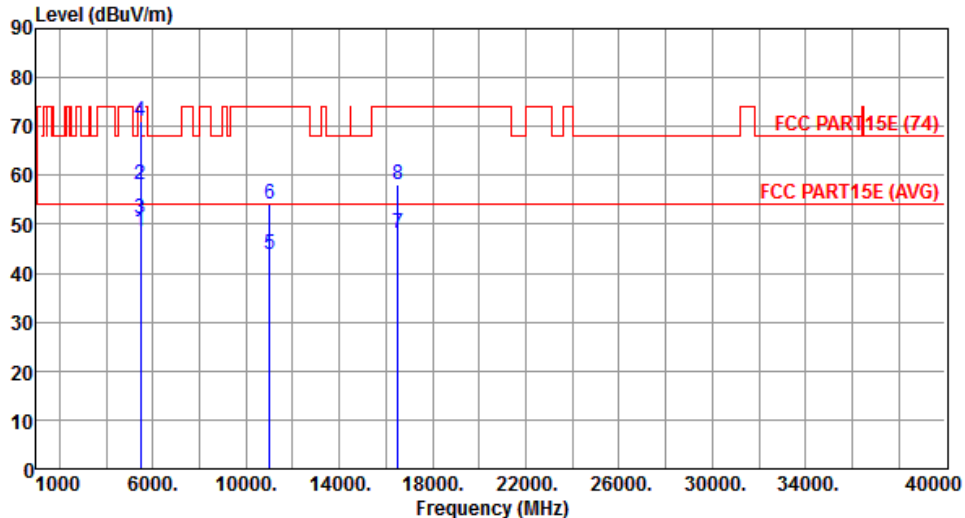
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	49.07	54.00	-4.93	42.45	6.62	Average	320	216
2	5350.00	61.24	74.00	-12.76	54.62	6.62	Peak	320	216
3	10640.00	42.96	54.00	-11.04	26.33	16.63	Average	249	243
4	10640.00	53.80	74.00	-20.20	37.17	16.63	Peak	249	243
5	15960.00	50.16	54.00	-3.84	33.46	16.70	Average	160	134
6	15960.00	60.87	74.00	-13.13	44.17	16.70	Peak	160	134

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

*Factor includes antenna factor , cable loss and amplifier gain

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

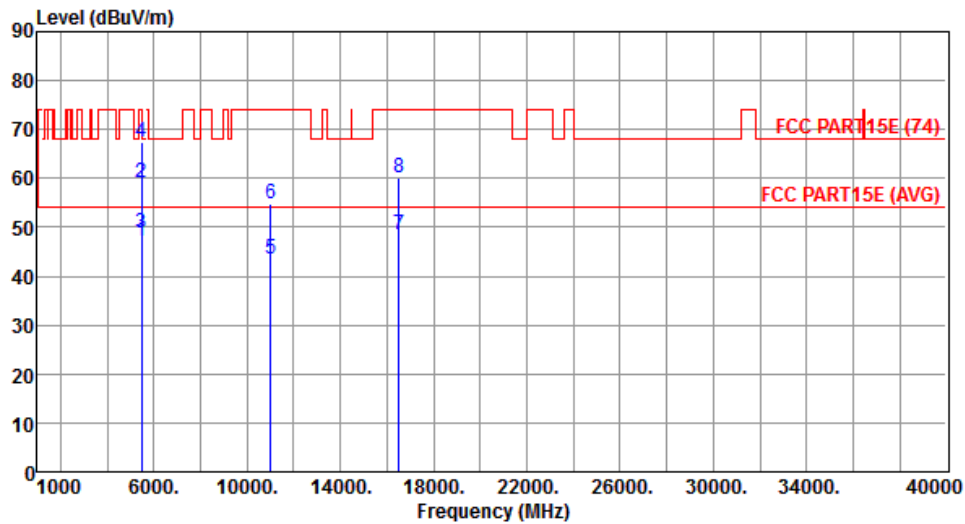
Modulation	HT20	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.54	54.00	-5.46	41.78	6.76	Average	138	3
2	5460.00	58.15	74.00	-15.85	51.39	6.76	Peak	138	3
3	5470.00	51.25	54.00	-2.75	44.48	6.77	Average	138	3
4	5470.00	70.99	74.00	-3.01	64.22	6.77	Peak	138	3
5	11000.00	43.69	54.00	-10.31	26.97	16.72	Average	229	58
6	11000.00	54.18	74.00	-19.82	37.46	16.72	Peak	229	58
7	16500.00	48.23	54.00	-5.77	30.36	17.87	Average	249	129
8	16500.00	57.97	74.00	-16.03	40.10	17.87	Peak	249	129

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	2



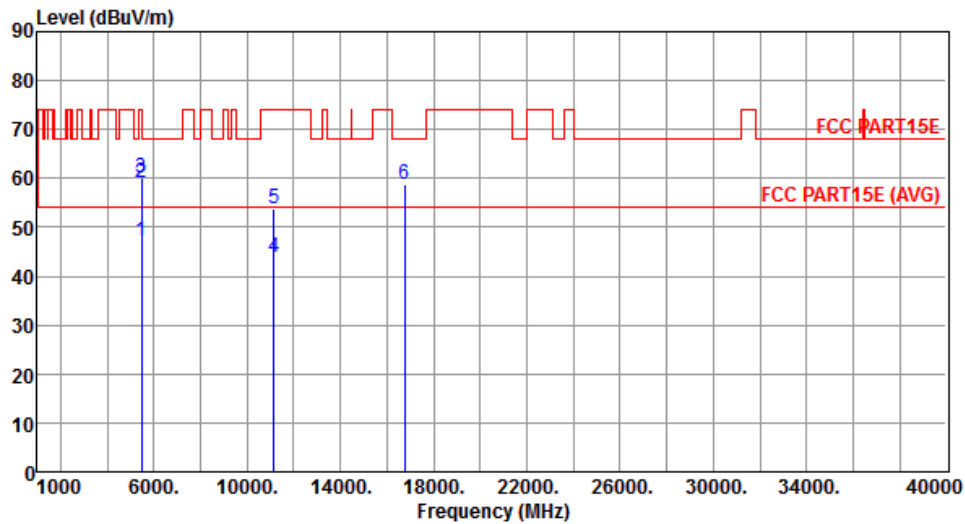
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.19	54.00	-6.81	40.43	6.76	Average	370	120
2	5460.00	59.00	74.00	-15.00	52.24	6.76	Peak	370	120
3	5470.00	48.97	54.00	-5.03	42.20	6.77	Average	370	120
4	5470.00	67.29	74.00	-6.71	60.52	6.77	Peak	370	120
5	11000.00	43.60	54.00	-10.40	26.88	16.72	Average	205	329
6	11000.00	54.66	74.00	-19.34	37.94	16.72	Peak	205	329
7	16500.00	48.49	54.00	-5.51	30.62	17.87	Average	117	140
8	16500.00	60.27	74.00	-13.73	42.40	17.87	Peak	117	140

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	2



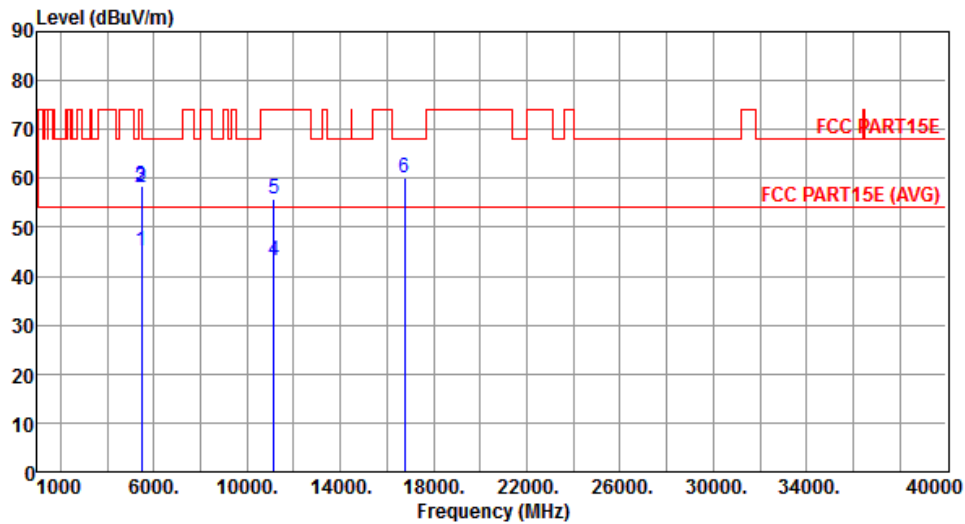
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.01	54.00	-6.99	40.25	6.76	Average	250	135
2	5460.00	59.10	74.00	-14.90	52.34	6.76	Peak	250	135
3	5470.00	60.02	68.20	-8.18	53.25	6.77	Peak	250	135
4	11160.00	43.82	54.00	-10.18	27.03	16.79	Average	139	251
5	11160.00	53.92	74.00	-20.08	37.13	16.79	Peak	139	251
6	16740.00	58.89	68.20	-9.31	40.49	18.40	Peak	284	118

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	2



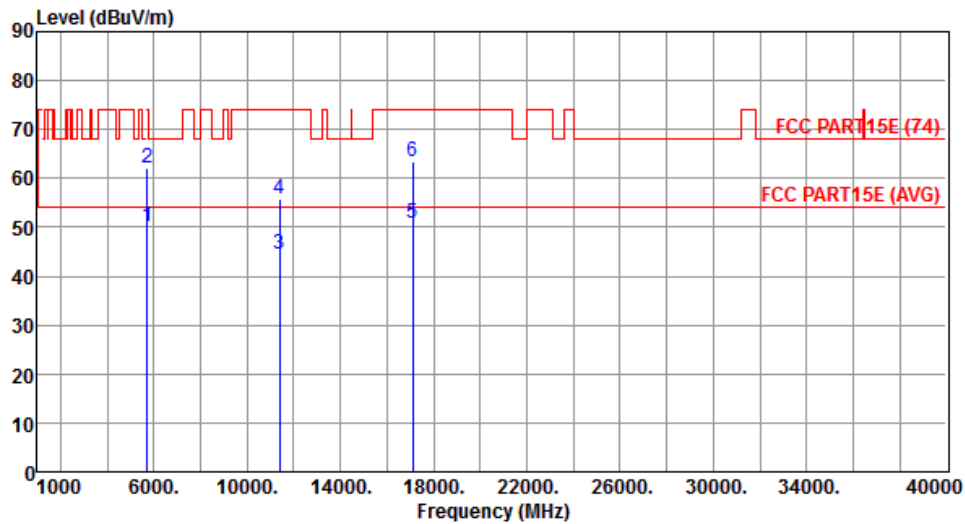
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.31	54.00	-8.69	38.55	6.76	Average	223	41
2	5460.00	58.10	74.00	-15.90	51.34	6.76	Peak	223	41
3	5470.00	58.44	68.20	-9.76	51.67	6.77	Peak	223	41
4	11160.00	43.32	54.00	-10.68	26.53	16.79	Average	225	134
5	11160.00	55.67	74.00	-18.33	38.88	16.79	Peak	225	134
6	16740.00	60.23	68.20	-7.97	41.83	18.40	Peak	219	139

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	2



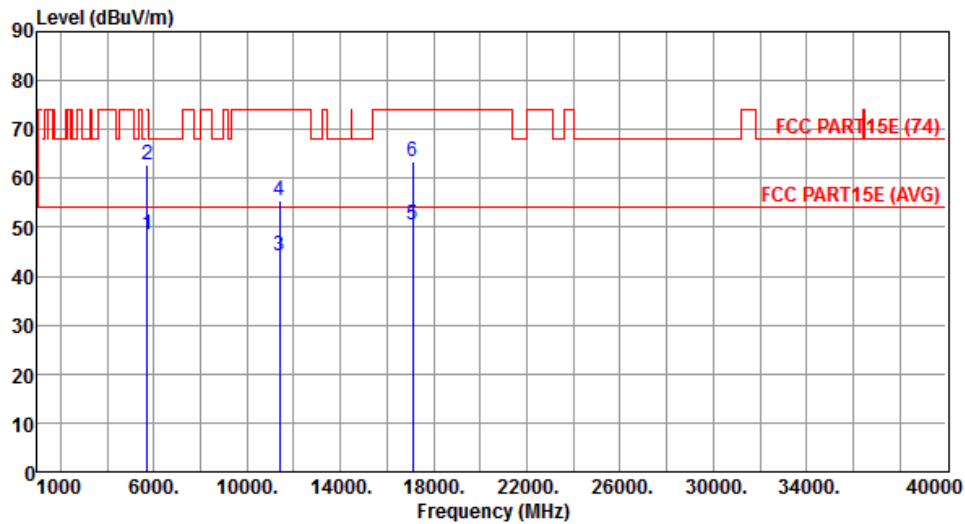
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	50.14	54.00	-3.86	42.90	7.24	Average	238	15
2	5725.00	62.24	74.00	-11.76	55.00	7.24	Peak	238	15
3	11400.00	44.53	54.00	-9.47	27.65	16.88	Average	166	213
4	11400.00	55.84	74.00	-18.16	38.96	16.88	Peak	166	213
5	17100.00	50.74	54.00	-3.26	31.62	19.12	Average	166	213
6	17100.00	63.50	74.00	-10.50	44.38	19.12	Peak	166	213

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	2



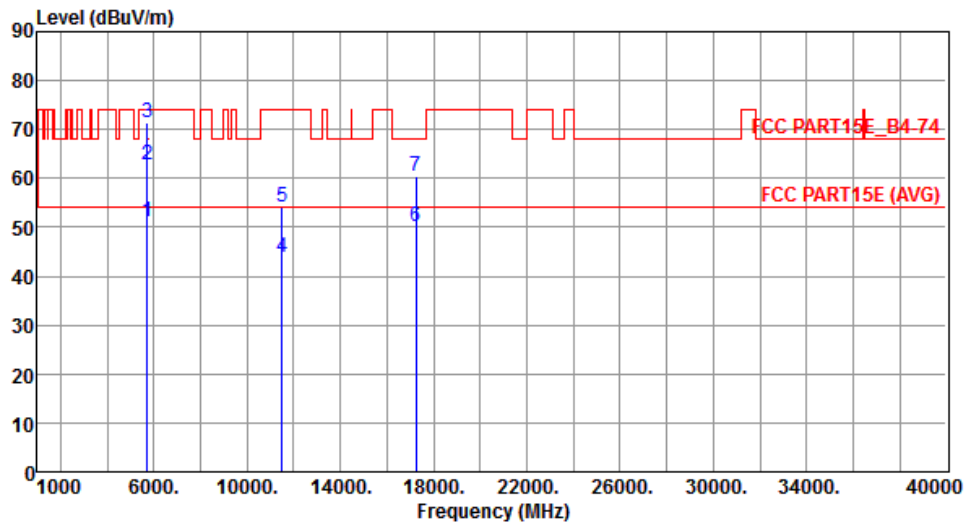
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	48.62	54.00	-5.38	41.38	7.24	Average	353	120
2	5725.00	62.89	74.00	-11.11	55.65	7.24	Peak	353	120
3	11400.00	44.30	54.00	-9.70	27.42	16.88	Average	153	216
4	11400.00	55.42	74.00	-18.58	38.54	16.88	Peak	153	216
5	17100.00	50.56	54.00	-3.44	31.44	19.12	Average	152	222
6	17100.00	63.37	74.00	-10.63	44.25	19.12	Peak	152	222

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	2



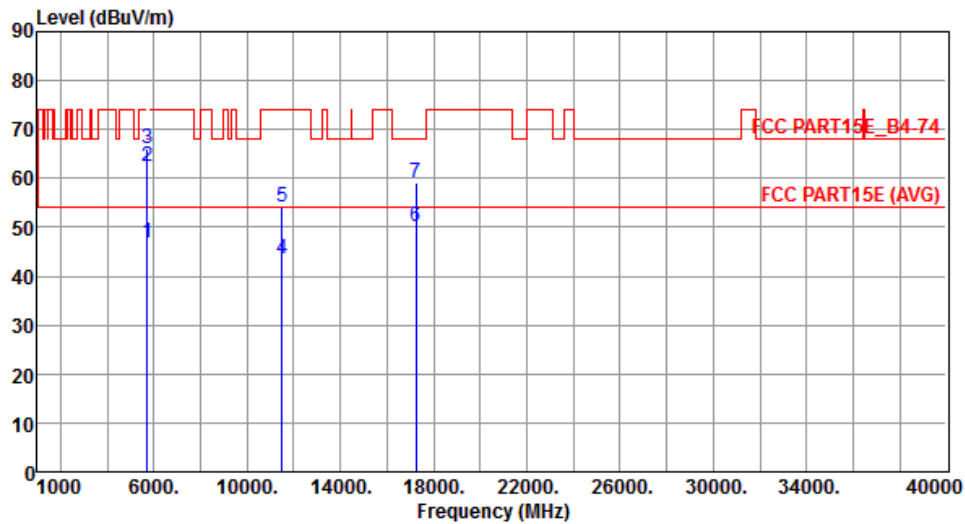
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.07	54.00	-2.93	43.87	7.20	Average	118	169
2	5715.00	62.81	74.00	-11.19	55.61	7.20	Peak	118	169
3	5725.00	71.54	78.20	-6.66	64.30	7.24	Peak	118	169
4	11490.00	43.86	54.00	-10.14	26.95	16.91	Average	213	334
5	11490.00	54.02	74.00	-19.98	37.11	16.91	Peak	213	334
6	17235.00	50.03	54.00	-3.97	30.71	19.32	Average	199	125
7	17235.00	60.48	74.00	-13.52	41.16	19.32	Peak	199	125

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	2



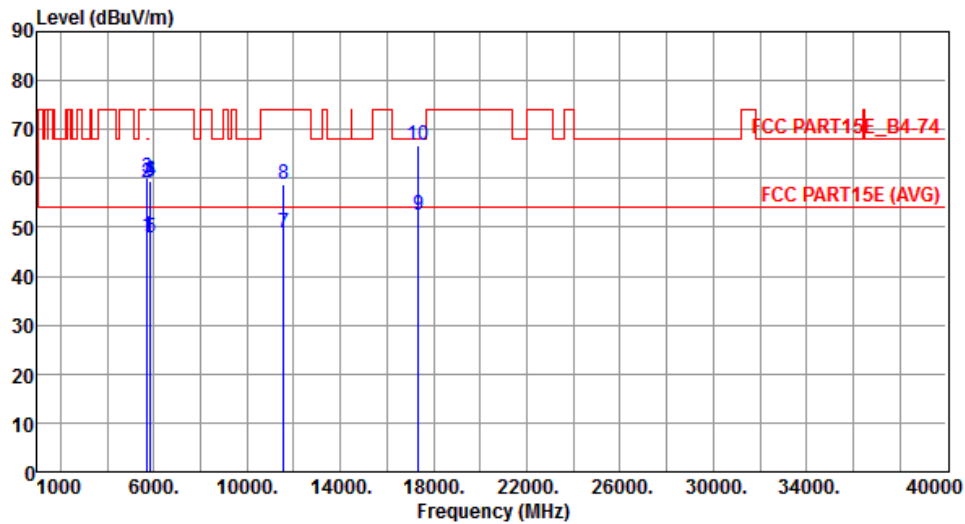
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.94	54.00	-7.06	39.74	7.20	Average	251	49
2	5715.00	62.33	74.00	-11.67	55.13	7.20	Peak	251	49
3	5725.00	66.08	78.20	-12.12	58.84	7.24	Peak	251	49
4	11490.00	43.57	54.00	-10.43	26.66	16.91	Average	156	133
5	11490.00	54.11	74.00	-19.89	37.20	16.91	Peak	156	133
6	17235.00	50.14	54.00	-3.86	30.82	19.32	Average	252	135
7	17235.00	59.23	74.00	-14.77	39.91	19.32	Peak	252	135

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	2



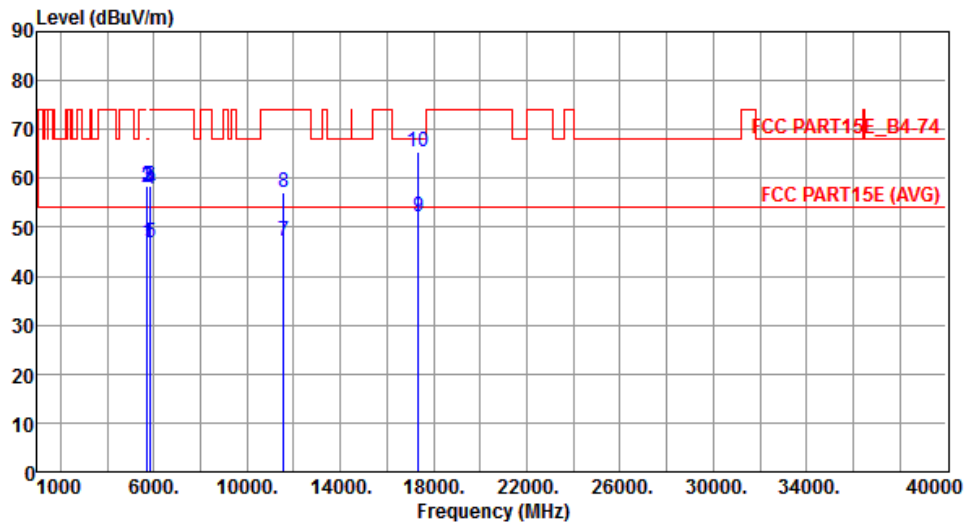
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.18	54.00	-5.82	40.98	7.20	Average	127	1
2	5715.00	59.15	74.00	-14.85	51.95	7.20	Peak	127	1
3	5725.00	60.16	78.20	-18.04	52.92	7.24	Peak	127	1
4	5850.00	59.61	78.20	-18.59	52.11	7.50	Peak	127	1
5	5860.00	47.77	54.00	-6.23	40.26	7.51	Average	127	1
6	5860.00	59.44	74.00	-14.56	51.93	7.51	Peak	127	1
7	11570.00	48.80	54.00	-5.20	32.00	16.80	Average	121	121
8	11570.00	58.70	74.00	-15.30	41.90	16.80	Peak	121	121
9	17355.00	52.52	54.00	-1.48	33.03	19.49	Average	121	124
10	17355.00	66.76	74.00	-7.24	47.27	19.49	Peak	121	124

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	2



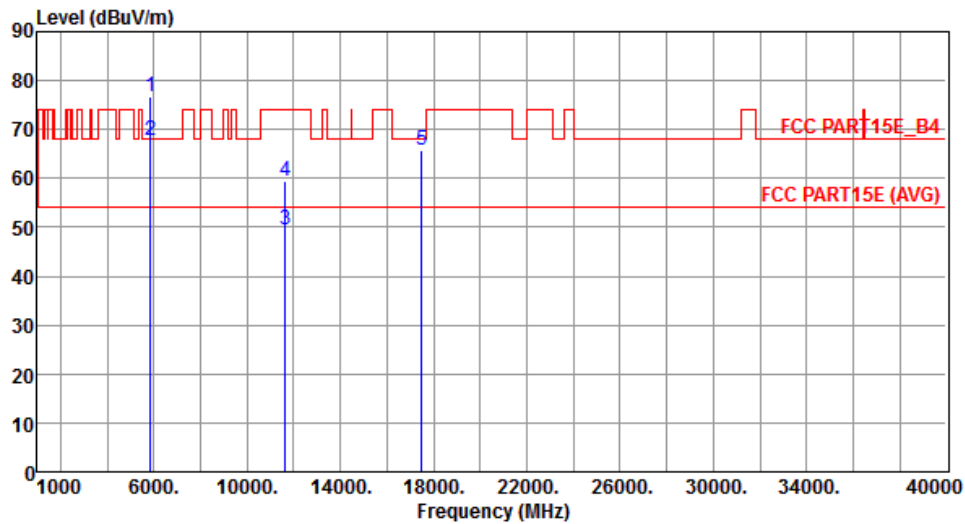
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.75	54.00	-7.25	39.55	7.20	Average	132	175
2	5715.00	58.13	74.00	-15.87	50.93	7.20	Peak	132	175
3	5725.00	58.46	78.20	-19.74	51.22	7.24	Peak	132	175
4	5850.00	57.94	78.20	-20.26	50.44	7.50	Peak	132	175
5	5860.00	46.92	54.00	-7.08	39.41	7.51	Average	132	175
6	5860.00	58.53	74.00	-15.47	51.02	7.51	Peak	132	175
7	11570.00	47.00	54.00	-7.00	30.20	16.80	Average	284	165
8	11570.00	57.20	74.00	-16.80	40.40	16.80	Peak	284	165
9	17355.00	52.17	54.00	-1.83	32.68	19.49	Average	272	171
10	17355.00	65.52	74.00	-8.48	46.03	19.49	Peak	272	171

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	2



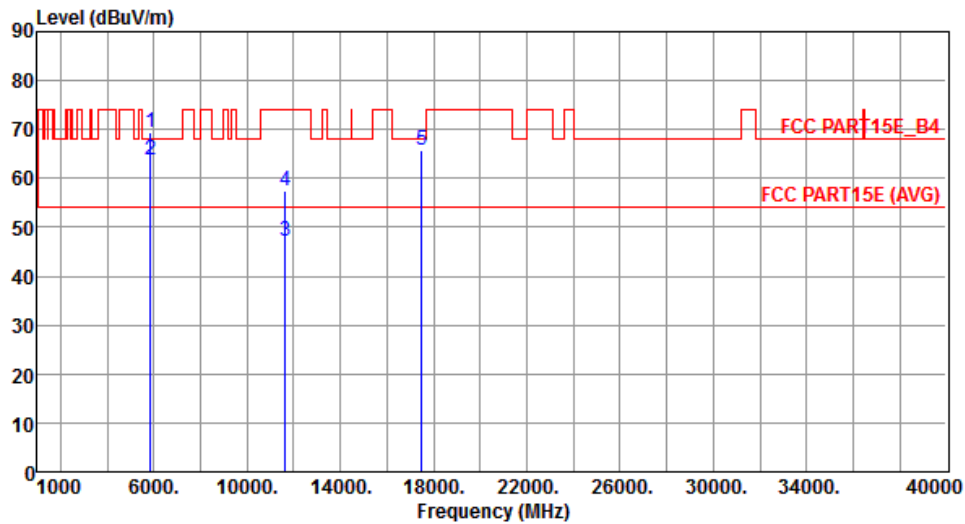
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.82	78.20	-1.38	69.32	7.50	Peak	124	3
2	5860.00	67.80	68.20	-0.40	60.29	7.51	Peak	124	3
3	11650.00	49.48	54.00	-4.52	32.83	16.65	Average	166	103
4	11650.00	59.60	74.00	-14.40	42.95	16.65	Peak	166	103
5	17475.00	65.91	68.20	-2.29	46.25	19.66	Peak	155	125

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5825
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	5850.00	69.33	78.20	-8.87	61.83	7.50	Peak	253	72
2	5860.00	63.86	68.20	-4.34	56.35	7.51	Peak	253	72
3	11650.00	47.26	54.00	-6.74	30.61	16.65	Average	355	164
4	11650.00	57.45	74.00	-16.55	40.80	16.65	Peak	355	164
5	17475.00	65.86	68.20	-2.34	46.20	19.66	Peak	254	160

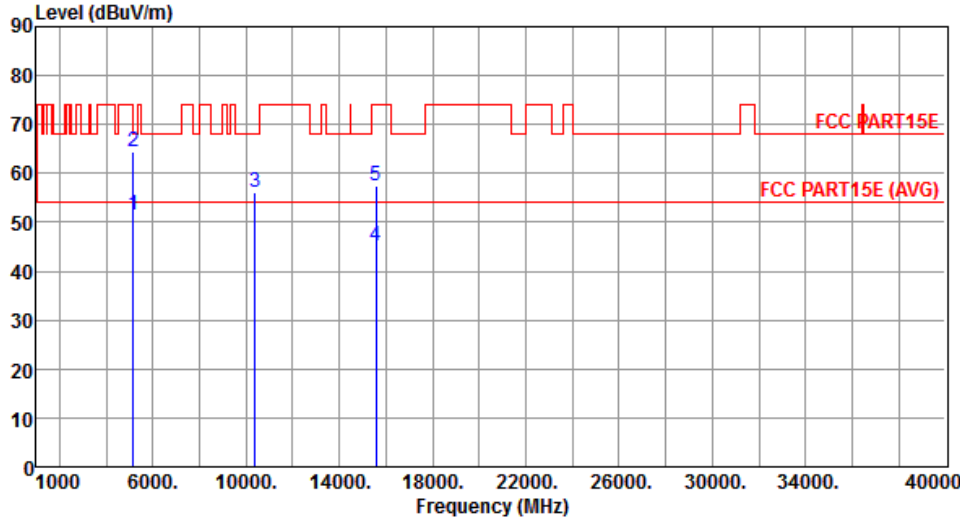
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.5.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

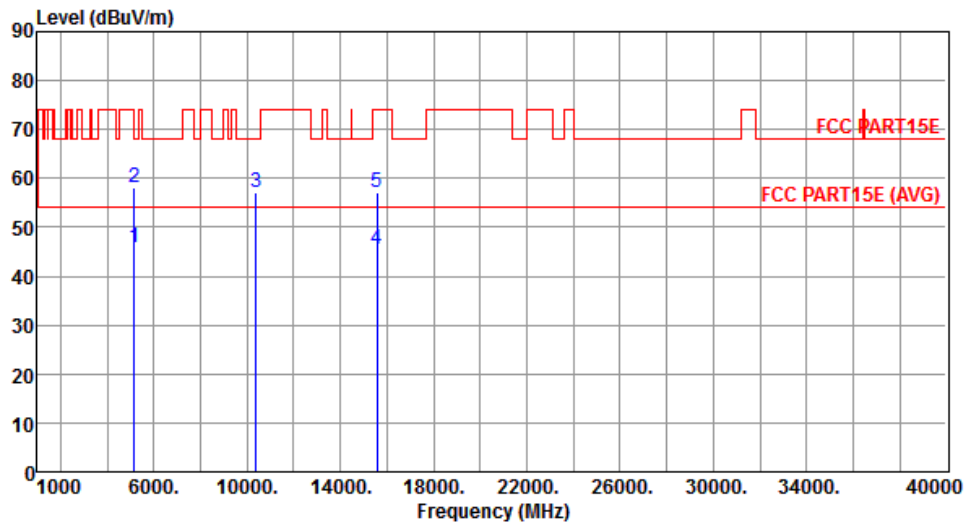
Modulation	HT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.62	54.00	-2.38	45.31	6.31	Average	112	163
2	5150.00	64.36	74.00	-9.64	58.05	6.31	Peak	112	163
3	10380.00	56.02	68.20	-12.18	39.65	16.37	Peak	144	185
4	15570.00	45.28	54.00	-8.72	27.85	17.43	Average	144	185
5	15570.00	57.59	74.00	-16.41	40.16	17.43	Peak	144	185

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	2



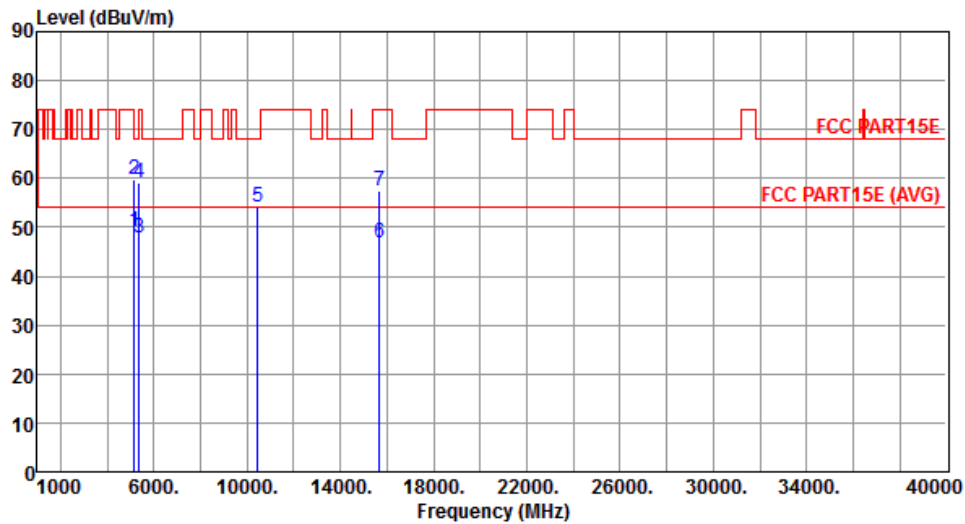
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.85	54.00	-8.15	39.54	6.31	Average	280	76
2	5150.00	58.26	74.00	-15.74	51.95	6.31	Peak	280	76
3	10380.00	57.09	68.20	-11.11	40.72	16.37	Peak	155	166
4	15570.00	45.53	54.00	-8.47	28.10	17.43	Average	138	235
5	15570.00	57.08	74.00	-16.92	39.65	17.43	Peak	138	235

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	2



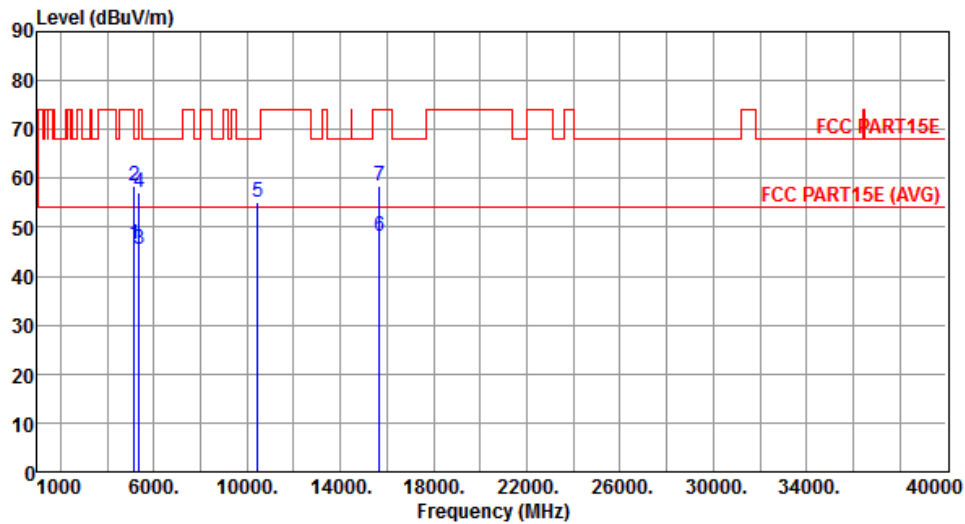
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.27	54.00	-4.73	42.96	6.31	Average	114	29
2	5150.00	59.77	74.00	-14.23	53.46	6.31	Peak	114	29
3	5350.00	47.96	54.00	-6.04	41.34	6.62	Average	114	29
4	5350.00	59.16	74.00	-14.84	52.54	6.62	Peak	114	29
5	10460.00	54.14	68.20	-14.06	37.61	16.53	Peak	201	339
6	15690.00	46.86	54.00	-7.14	29.64	17.22	Average	219	123
7	15690.00	57.38	74.00	-16.62	40.16	17.22	Peak	219	123

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	2



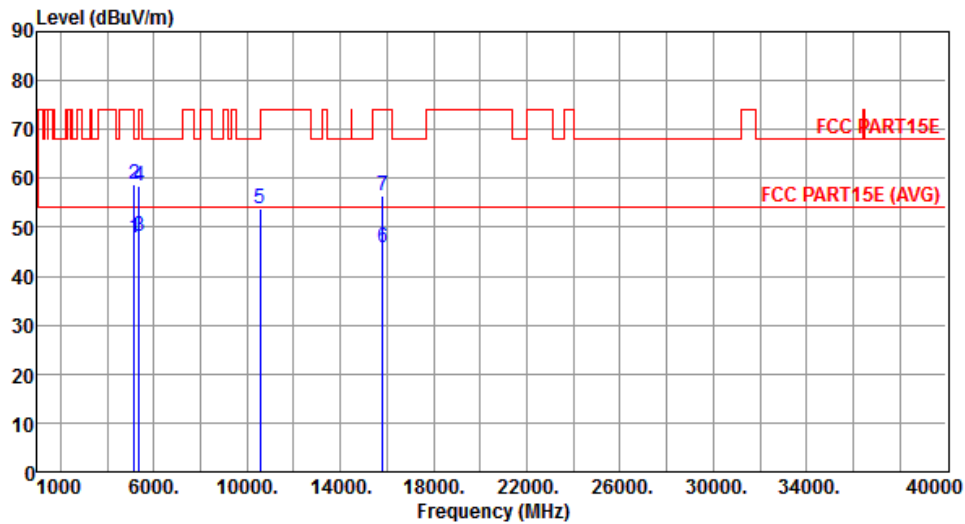
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.44	54.00	-7.56	40.13	6.31	Average	123	32
2	5150.00	58.35	74.00	-15.65	52.04	6.31	Peak	123	32
3	5350.00	45.40	54.00	-8.60	38.78	6.62	Average	123	32
4	5350.00	57.19	74.00	-16.81	50.57	6.62	Peak	123	32
5	10460.00	55.21	68.20	-12.99	38.68	16.53	Peak	248	43
6	15690.00	48.01	54.00	-5.99	30.79	17.22	Average	212	135
7	15690.00	58.31	74.00	-15.69	41.09	17.22	Peak	212	135

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Horizontal	Test Configuration	2



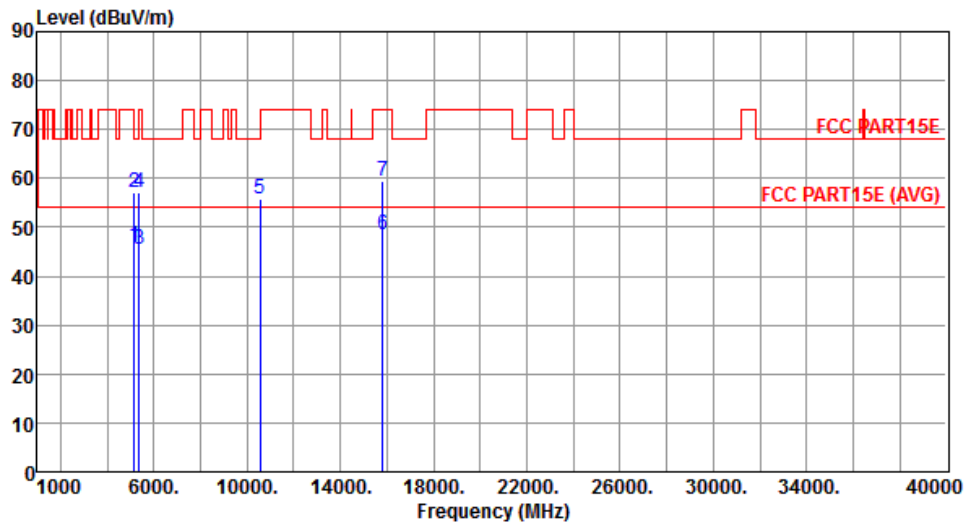
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.93	54.00	-6.07	41.62	6.31	Average	137	29
2	5150.00	58.63	74.00	-15.37	52.32	6.31	Peak	137	29
3	5350.00	48.15	54.00	-5.85	41.53	6.62	Average	137	29
4	5350.00	58.38	74.00	-15.62	51.76	6.62	Peak	137	29
5	10540.00	53.90	68.20	-14.30	37.30	16.60	Peak	229	237
6	15810.00	45.98	54.00	-8.02	29.00	16.98	Average	156	123
7	15810.00	56.52	74.00	-17.48	39.54	16.98	Peak	156	123

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Vertical	Test Configuration	2



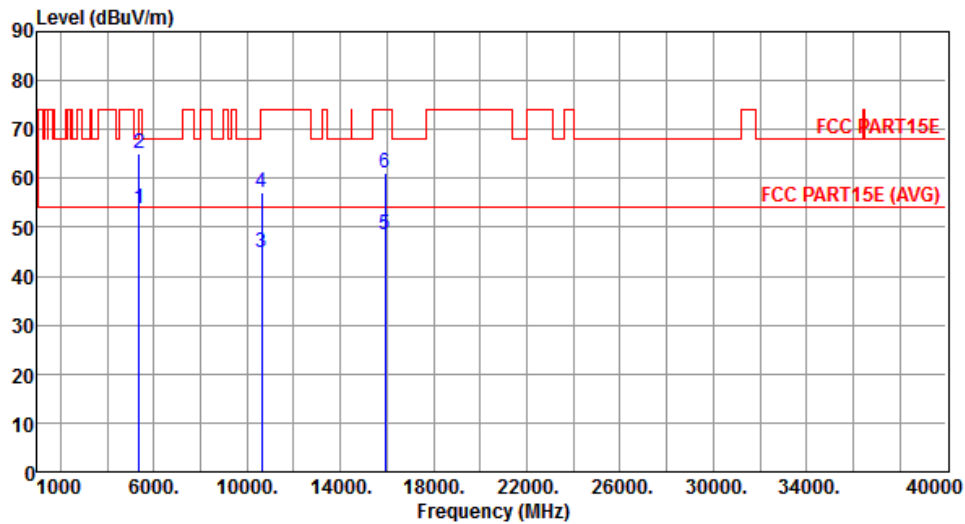
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.09	54.00	-7.91	39.78	6.31	Average	137	162
2	5150.00	57.06	74.00	-16.94	50.75	6.31	Peak	137	162
3	5350.00	45.49	54.00	-8.51	38.87	6.62	Average	137	162
4	5350.00	57.22	74.00	-16.78	50.60	6.62	Peak	137	162
5	10540.00	55.90	68.20	-12.30	39.30	16.60	Peak	209	275
6	15810.00	48.40	54.00	-5.60	31.42	16.98	Average	159	154
7	15810.00	59.51	74.00	-14.49	42.53	16.98	Peak	159	154

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Horizontal	Test Configuration	2



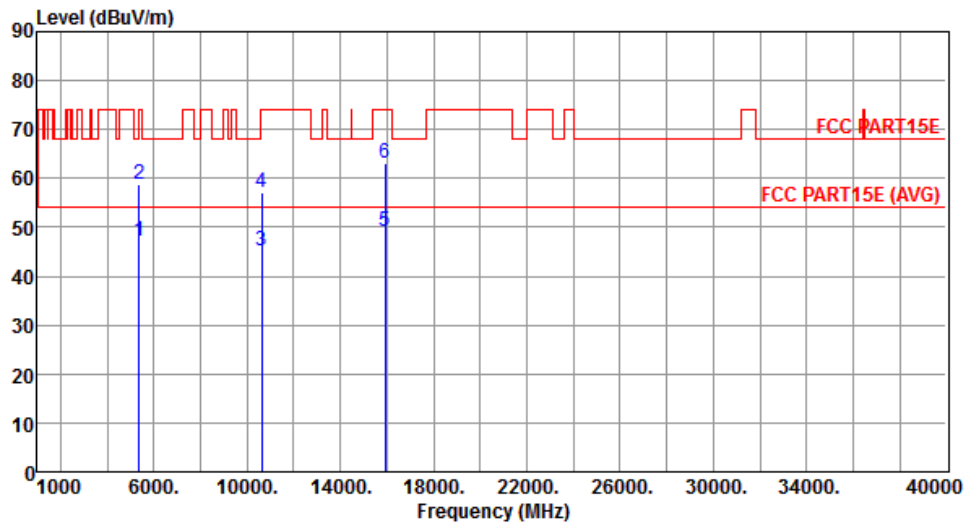
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.83	54.00	-0.17	46.69	7.14	Average	119	19
2	5350.00	65.05	74.00	-8.95	58.43	6.62	Peak	119	19
3	10620.00	44.79	54.00	-9.21	28.17	16.62	Average	163	216
4	10620.00	56.98	74.00	-17.02	40.36	16.62	Peak	163	216
5	15930.00	48.33	54.00	-5.67	31.56	16.77	Average	188	222
6	15930.00	61.03	74.00	-12.97	44.26	16.77	Peak	188	222

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Vertical	Test Configuration	2



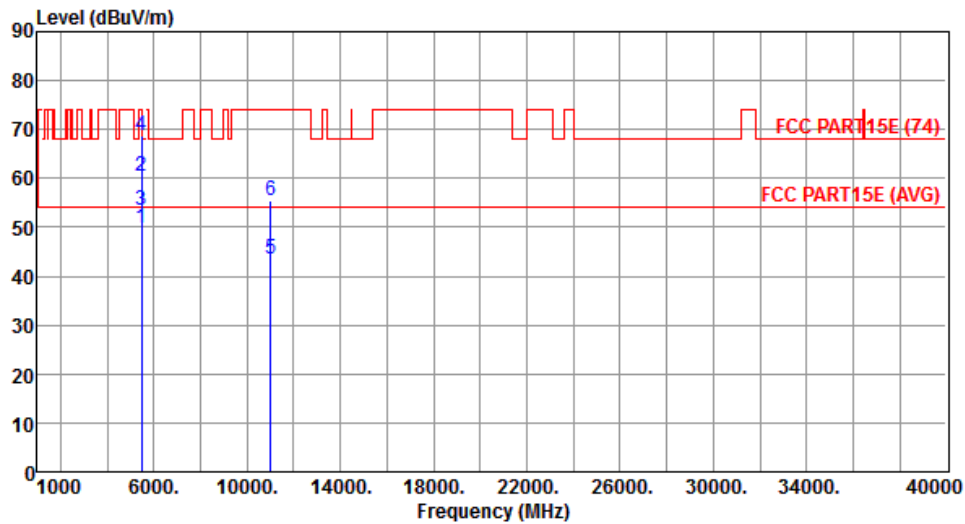
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.04	54.00	-6.96	40.42	6.62	Average	253	65
2	5350.00	58.87	74.00	-15.13	52.25	6.62	Peak	253	65
3	10620.00	45.08	54.00	-8.92	28.46	16.62	Average	253	65
4	10620.00	57.09	74.00	-16.91	40.47	16.62	Peak	253	65
5	15930.00	49.10	54.00	-4.90	32.33	16.77	Average	166	172
6	15930.00	63.12	74.00	-10.88	46.35	16.77	Peak	166	172

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5510
Polarization	Horizontal	Test Configuration	2



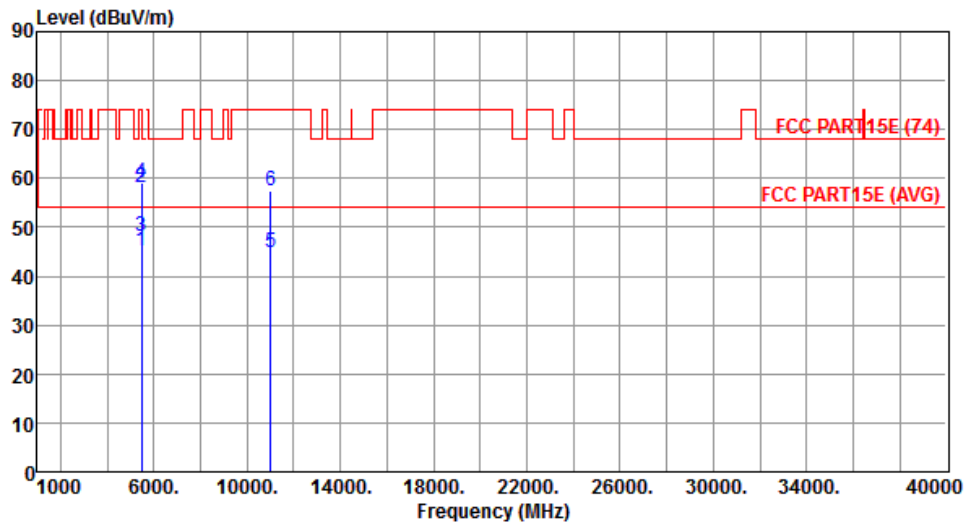
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.85	54.00	-4.15	43.09	6.76	Average	101	20
2	5460.00	60.54	74.00	-13.46	53.78	6.76	Peak	101	20
3	5470.00	53.31	54.00	-0.69	46.54	6.77	Average	101	20
4	5470.00	68.58	74.00	-5.42	61.81	6.77	Peak	101	20
5	11020.00	43.39	54.00	-10.61	26.66	16.73	Average	163	254
6	11020.00	55.45	74.00	-18.55	38.72	16.73	Peak	163	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	HT40	Test Freq. (MHz)	5510
Polarization	Vertical	Test Configuration	2



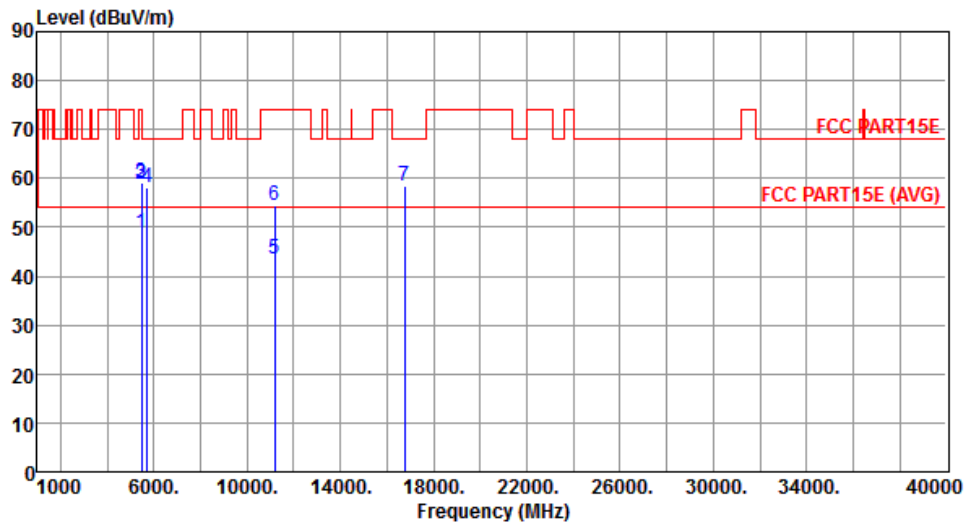
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.20	54.00	-8.80	38.44	6.76	Average	166	173
2	5460.00	58.20	74.00	-15.80	51.44	6.76	Peak	166	173
3	5470.00	48.11	54.00	-5.89	41.34	6.77	Average	166	173
4	5470.00	59.19	74.00	-14.81	52.42	6.77	Peak	166	173
5	11020.00	44.97	54.00	-9.03	28.24	16.73	Average	151	212
6	11020.00	57.35	74.00	-16.65	40.62	16.73	Peak	151	212

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	2



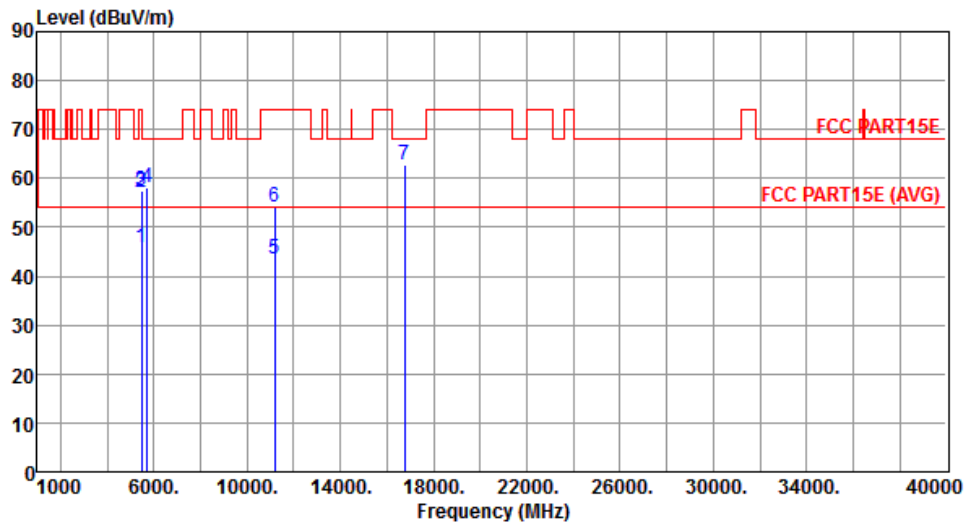
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.75	54.00	-5.25	41.99	6.76	Average	134	19
2	5460.00	58.90	74.00	-15.10	52.14	6.76	Peak	134	19
3	5470.00	59.06	68.20	-9.14	52.29	6.77	Peak	134	19
4	5725.00	57.97	68.20	-10.23	50.73	7.24	Peak	134	19
5	11180.00	43.64	54.00	-10.36	26.85	16.79	Average	217	84
6	11180.00	54.36	74.00	-19.64	37.57	16.79	Peak	217	84
7	16770.00	58.55	68.20	-9.65	40.08	18.47	Peak	251	125

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Vertical	Test Configuration	2



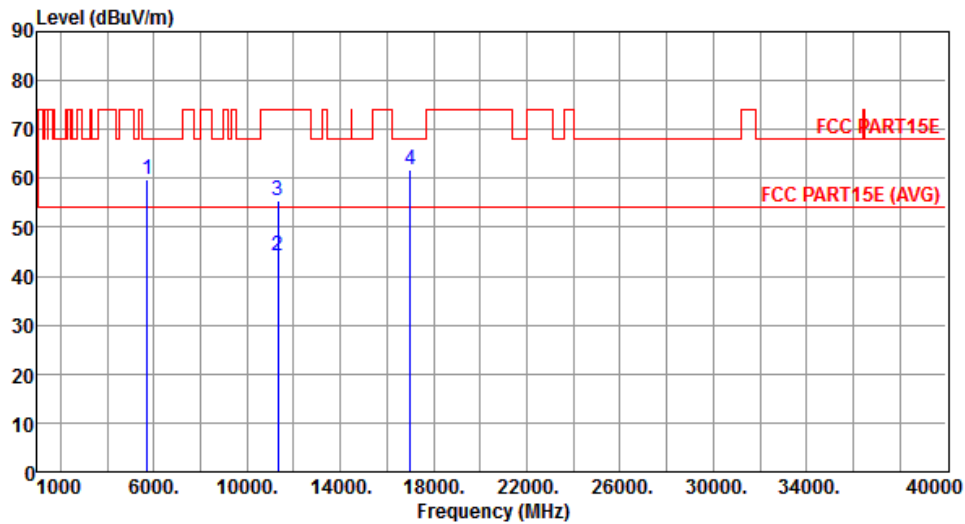
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.80	54.00	-8.20	39.04	6.76	Average	101	22
2	5460.00	57.08	74.00	-16.92	50.32	6.76	Peak	101	22
3	5470.00	57.38	68.20	-10.82	50.61	6.77	Peak	101	22
4	5725.00	58.19	68.20	-10.01	50.95	7.24	Peak	101	22
5	11180.00	43.46	54.00	-10.54	26.67	16.79	Average	186	317
6	11180.00	54.05	74.00	-19.95	37.26	16.79	Peak	186	317
7	16770.00	62.61	68.20	-5.59	44.14	18.47	Peak	124	134

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5670
Polarization	Horizontal	Test Configuration	2



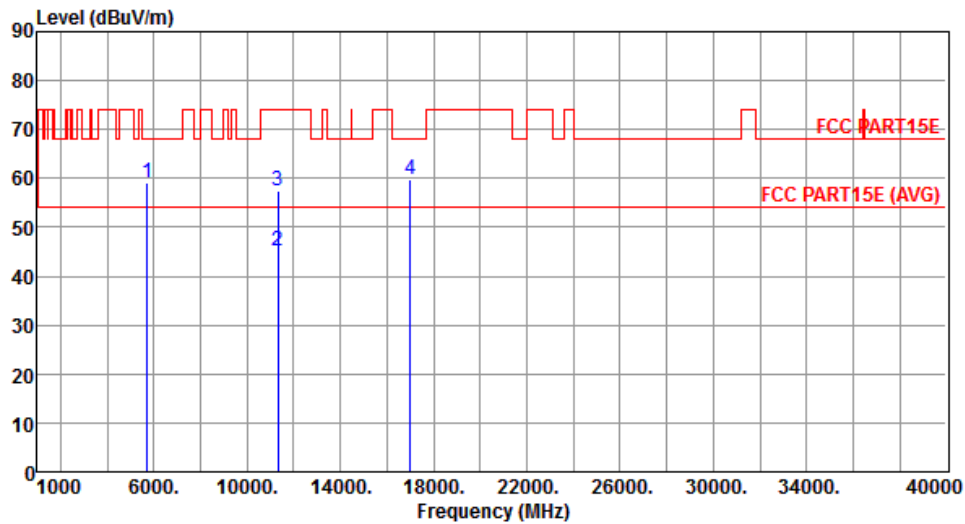
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	59.65	68.20	-8.55	52.41	7.24	Peak	116	17
2	11340.00	44.28	54.00	-9.72	27.43	16.85	Average	200	138
3	11340.00	55.51	74.00	-18.49	38.66	16.85	Peak	200	138
4	17010.00	61.67	68.20	-6.53	42.68	18.99	Peak	163	152

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5670
Polarization	Vertical	Test Configuration	2



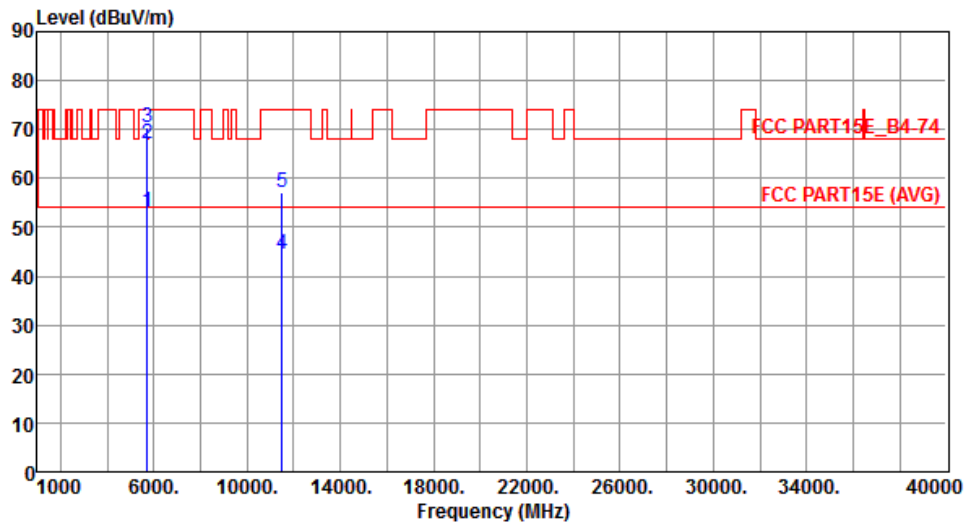
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	59.10	68.20	-9.10	51.86	7.24	Peak	156	50
2	11340.00	45.21	54.00	-8.79	28.36	16.85	Average	135	182
3	11340.00	57.39	74.00	-16.61	40.54	16.85	Peak	135	182
4	17010.00	59.85	68.20	-8.35	40.86	18.99	Peak	144	193

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	2



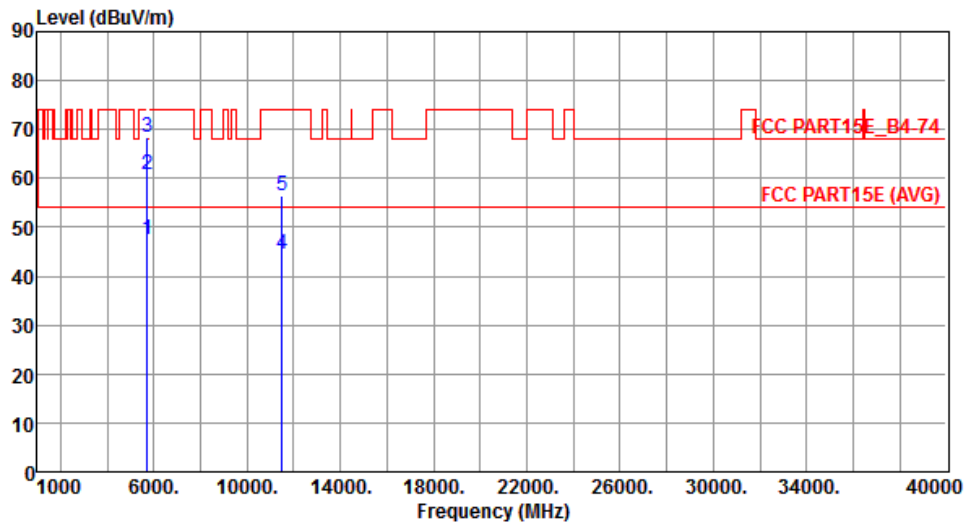
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	53.13	54.00	-0.87	45.93	7.20	Average	104	18
2	5715.00	67.01	74.00	-6.99	59.81	7.20	Peak	104	18
3	5725.00	70.47	78.20	-7.73	63.23	7.24	Peak	104	18
4	11510.00	44.35	54.00	-9.65	27.45	16.90	Average	168	264
5	11510.00	57.21	74.00	-16.79	40.31	16.90	Peak	168	264

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	2



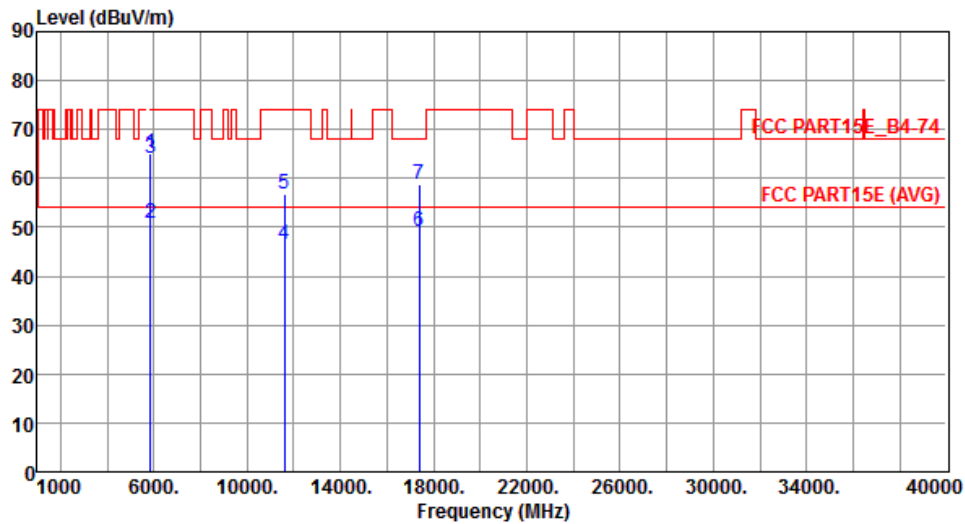
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.46	54.00	-6.54	40.26	7.20	Average	220	84
2	5715.00	60.66	74.00	-13.34	53.46	7.20	Peak	220	84
3	5725.00	68.49	78.20	-9.71	61.25	7.24	Peak	220	84
4	11510.00	44.35	54.00	-9.65	27.45	16.90	Average	162	165
5	11510.00	56.61	74.00	-17.39	39.71	16.90	Peak	162	165

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	2



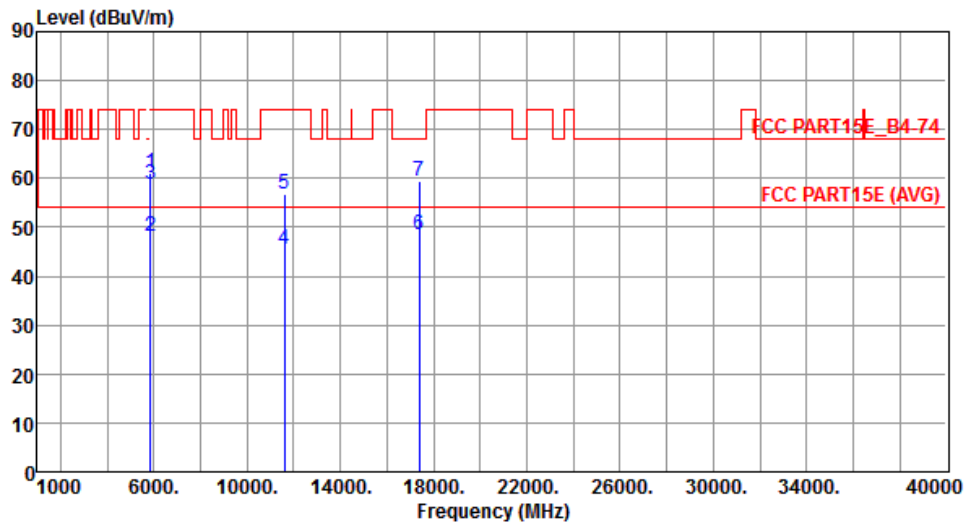
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	65.17	78.20	-13.03	57.67	7.50	Peak	117	20
2	5860.00	50.84	54.00	-3.16	43.33	7.51	Average	117	20
3	5860.00	64.10	74.00	-9.90	56.59	7.51	Peak	117	20
4	11590.00	46.42	54.00	-7.58	29.66	16.76	Average	257	98
5	11590.00	56.74	74.00	-17.26	39.98	16.76	Peak	257	98
6	17385.00	49.04	54.00	-4.96	29.50	19.54	Average	171	108
7	17385.00	58.64	74.00	-15.36	39.10	19.54	Peak	171	108

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5795
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	5850.00	61.19	78.20	-17.01	53.69	7.50	Peak	100	29
2	5860.00	48.21	54.00	-5.79	40.70	7.51	Average	100	29
3	5860.00	58.82	74.00	-15.18	51.31	7.51	Peak	100	29
4	11590.00	45.37	54.00	-8.63	28.61	16.76	Average	124	138
5	11590.00	56.83	74.00	-17.17	40.07	16.76	Peak	124	138
6	17385.00	48.39	54.00	-5.61	28.85	19.54	Average	143	155
7	17385.00	59.38	74.00	-14.62	39.84	19.54	Peak	143	155

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

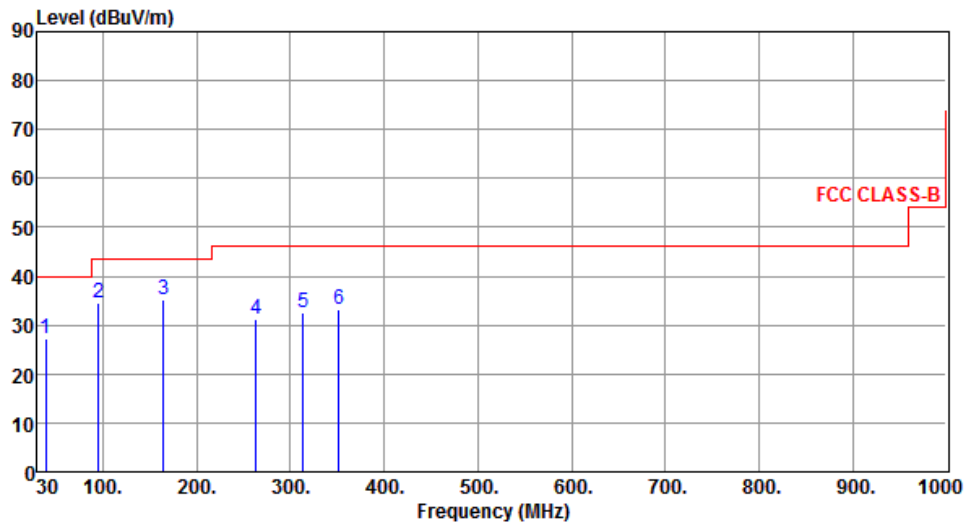
*Factor includes antenna factor , cable loss and amplifier gain

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

Test Configuration 3: Isolated Magnetic Dipole antenna

3.5.12 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.73	27.17	40.00	-12.83	40.63	-13.46	Peak	---	---
2	94.99	34.61	43.50	-8.89	53.51	-18.90	Peak	---	---
3	164.83	35.13	43.50	-8.37	48.71	-13.58	Peak	---	---
4	263.77	31.31	46.00	-14.69	45.31	-14.00	Peak	---	---
5	313.24	32.45	46.00	-13.55	44.92	-12.47	Peak	---	---
6	352.04	33.19	46.00	-12.81	44.60	-11.41	Peak	---	---

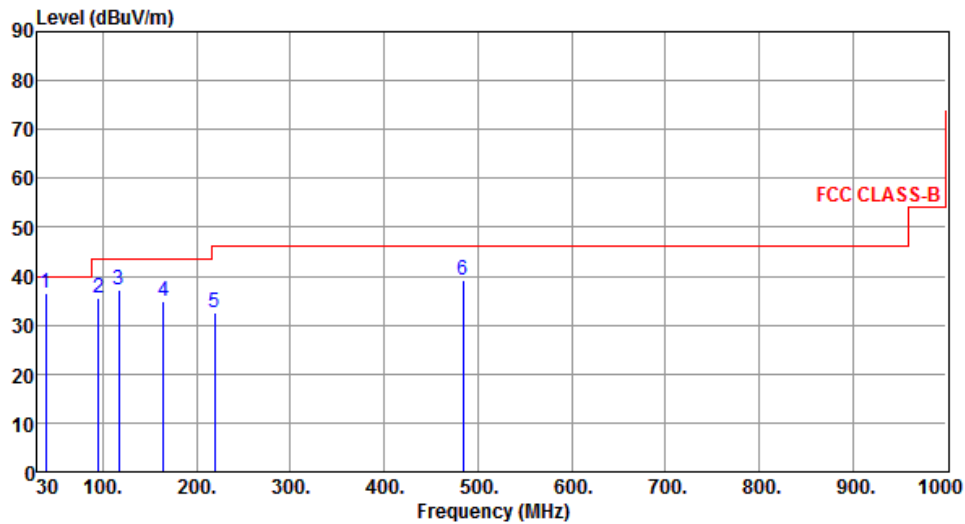
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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	HT40	Test Freq. (MHz)	5590
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.73	36.52	40.00	-3.48	49.98	-13.46	QP	100	3
2	94.99	35.44	43.50	-8.06	54.34	-18.90	Peak	---	---
3	117.30	37.33	43.50	-6.17	53.19	-15.86	Peak	---	---
4	164.83	34.86	43.50	-8.64	48.44	-13.58	Peak	---	---
5	219.15	32.59	46.00	-13.41	48.57	-15.98	Peak	---	---
6	483.96	39.28	46.00	-6.72	47.46	-8.18	Peak	---	---

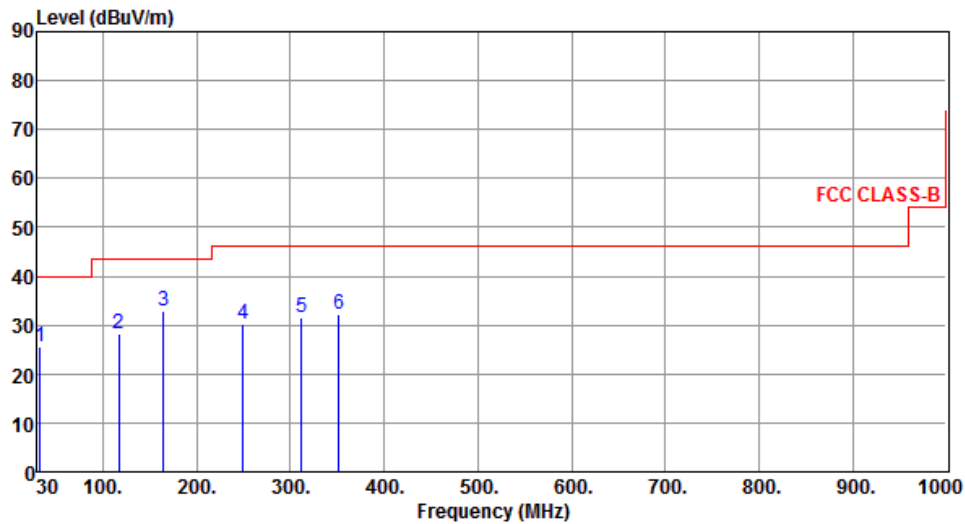
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

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

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	32.91	25.48	40.00	-14.52	39.45	-13.97	Peak	---	---
2	117.30	28.14	43.50	-15.36	44.00	-15.86	Peak	---	---
3	164.83	32.80	43.50	-10.70	46.38	-13.58	Peak	---	---
4	249.22	30.38	46.00	-15.62	44.92	-14.54	Peak	---	---
5	312.27	31.56	46.00	-14.44	44.06	-12.50	Peak	---	---
6	352.04	32.36	46.00	-13.64	43.77	-11.41	Peak	---	---

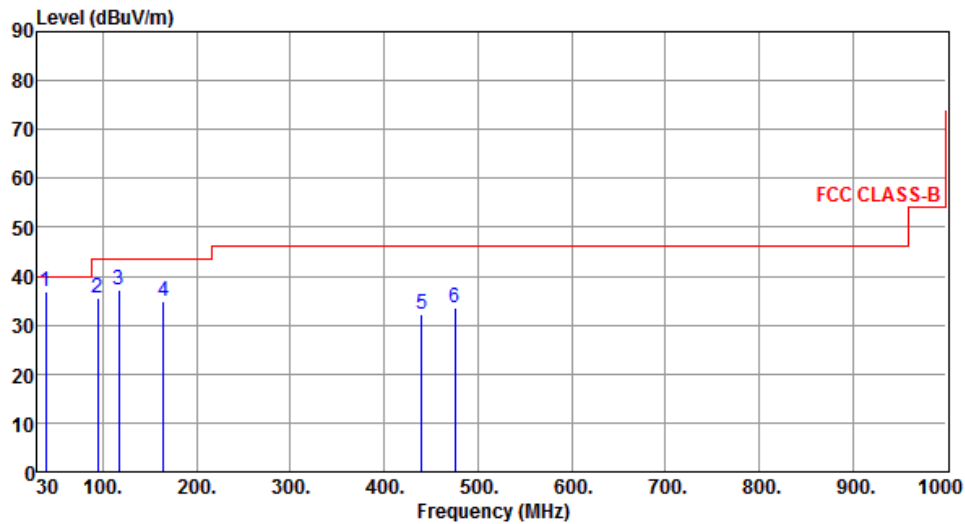
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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)	5785
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.73	36.76	40.00	-3.24	50.22	-13.46	QP	100	6
2	94.02	35.37	43.50	-8.13	54.42	-19.05	Peak	---	---
3	117.30	37.16	43.50	-6.34	53.02	-15.86	Peak	---	---
4	164.83	34.80	43.50	-8.70	48.38	-13.58	Peak	---	---
5	440.31	32.12	46.00	-13.88	41.19	-9.07	Peak	---	---
6	475.23	33.53	46.00	-12.47	41.88	-8.35	Peak	---	---

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

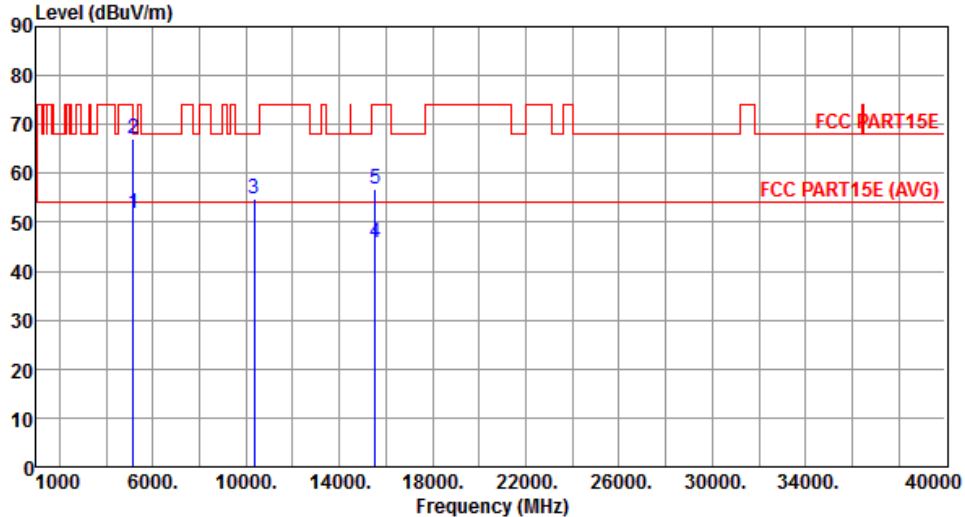
*Factor includes antenna factor , cable loss and amplifier gain

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.

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

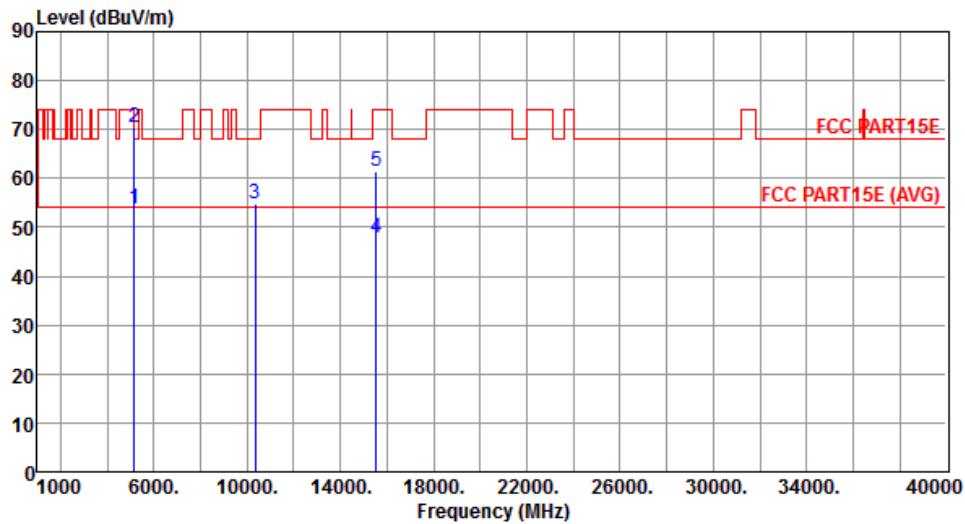
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.96	54.00	-2.04	45.26	6.70	Average	136	327
2	5150.00	67.00	74.00	-7.00	60.30	6.70	Peak	136	327
3	10360.00	54.70	68.20	-13.50	38.19	16.51	Peak	216	132
4	15540.00	45.84	54.00	-8.16	27.81	18.03	Average	398	15
5	15540.00	56.81	74.00	-17.19	38.78	18.03	Peak	398	15

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

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



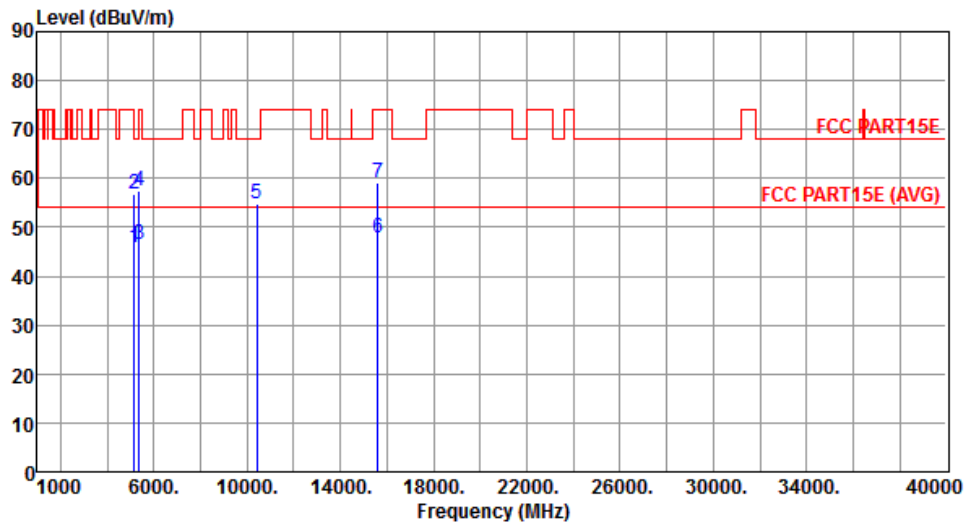
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.86	54.00	-0.14	47.16	6.70	Average	124	252
2	5150.00	70.26	74.00	-3.74	63.56	6.70	Peak	124	252
3	10360.00	54.92	68.20	-13.28	38.41	16.51	Peak	280	221
4	15540.00	47.90	54.00	-6.10	29.87	18.03	Average	196	151
5	15540.00	61.56	74.00	-12.44	43.53	18.03	Peak	196	151

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	3



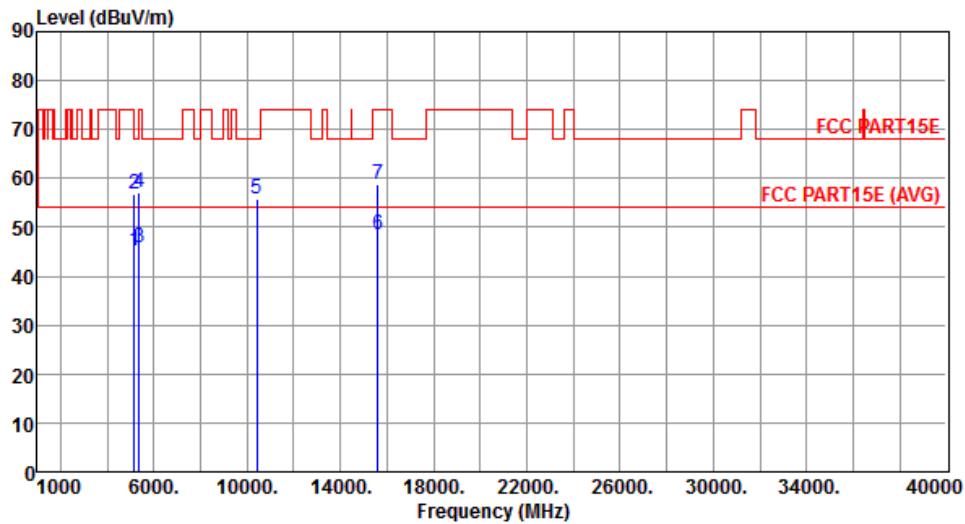
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.76	54.00	-8.24	39.06	6.70	Average	199	221
2	5150.00	56.80	74.00	-17.20	50.10	6.70	Peak	199	221
3	5350.00	46.44	54.00	-7.56	39.30	7.14	Average	199	221
4	5350.00	57.34	74.00	-16.66	50.20	7.14	Peak	199	221
5	10400.00	54.78	68.20	-13.42	38.18	16.60	Peak	245	157
6	15600.00	47.71	54.00	-6.29	29.87	17.84	Average	330	107
7	15600.00	59.09	74.00	-14.91	41.25	17.84	Peak	330	107

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	3



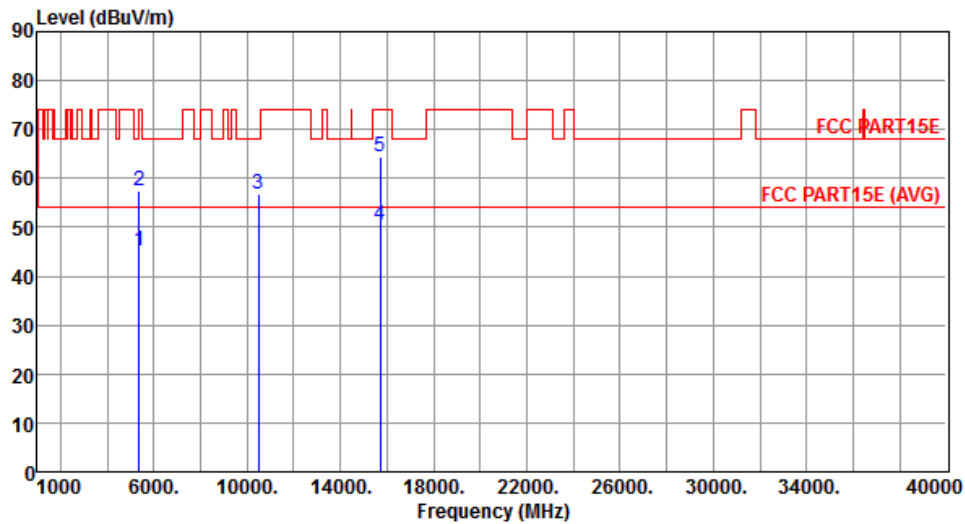
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.29	54.00	-8.71	38.59	6.70	Average	223	254
2	5150.00	56.76	74.00	-17.24	50.06	6.70	Peak	223	254
3	5350.00	45.69	54.00	-8.31	38.55	7.14	Average	223	254
4	5350.00	57.02	74.00	-16.98	49.88	7.14	Peak	223	254
5	10400.00	55.80	68.20	-12.40	39.20	16.60	Peak	358	147
6	15600.00	48.48	54.00	-5.52	30.64	17.84	Average	123	157
7	15600.00	58.92	74.00	-15.08	41.08	17.84	Peak	123	157

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



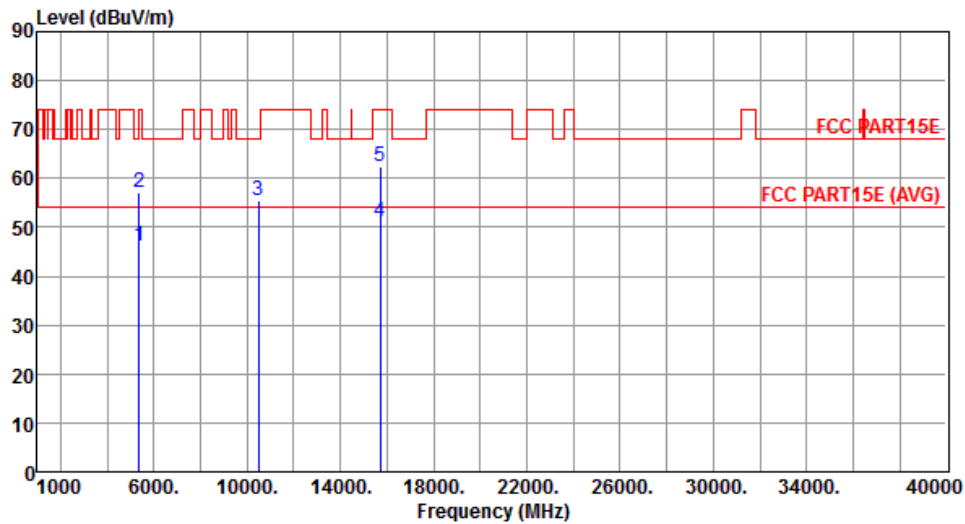
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.31	54.00	-8.69	38.17	7.14	Average	175	220
2	5350.00	57.34	74.00	-16.66	50.20	7.14	Peak	175	220
3	10480.00	56.91	68.20	-11.29	40.35	16.56	Peak	166	135
4	15720.00	50.48	54.00	-3.52	33.33	17.15	Average	188	172
5	15720.00	64.48	74.00	-9.52	47.33	17.15	Peak	188	172

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



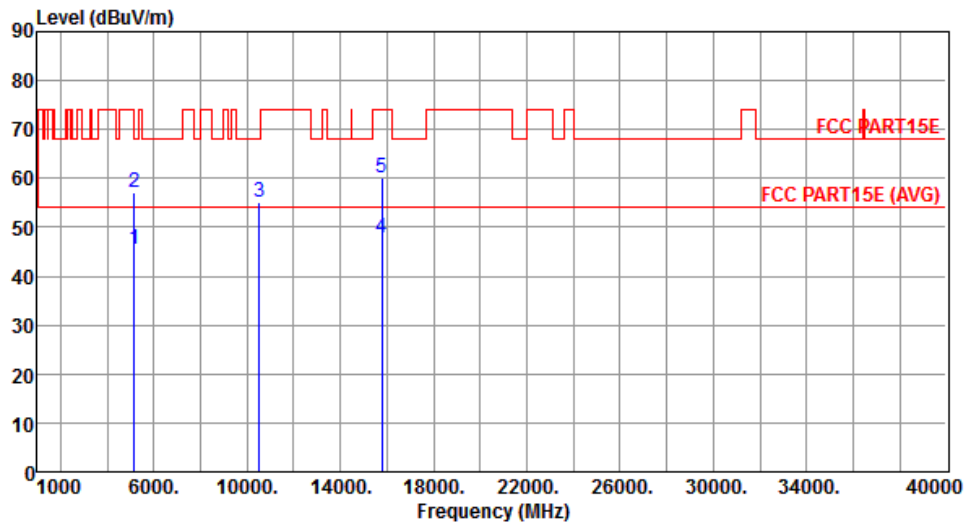
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.29	54.00	-7.71	39.15	7.14	Average	223	273
2	5350.00	56.99	74.00	-17.01	49.85	7.14	Peak	223	273
3	10480.00	55.38	68.20	-12.82	38.61	16.77	Peak	220	168
4	15720.00	51.04	54.00	-2.96	33.56	17.48	Average	190	149
5	15720.00	62.37	74.00	-11.63	44.89	17.48	Peak	190	149

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



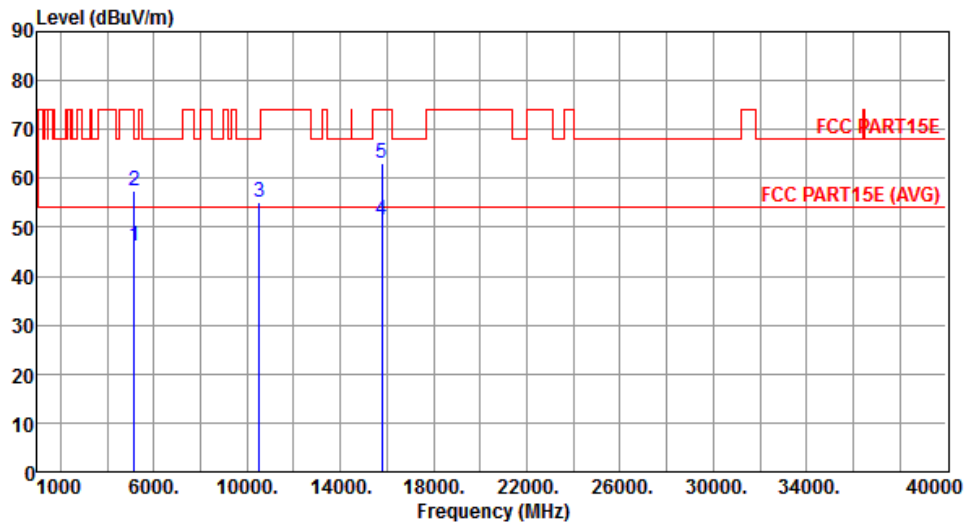
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.42	54.00	-8.58	39.11	6.31	Average	156	220
2	5150.00	56.96	74.00	-17.04	50.26	6.70	Peak	156	220
3	10520.00	55.02	68.20	-13.18	38.19	16.83	Peak	186	237
4	15780.00	47.73	54.00	-6.27	30.43	17.30	Average	252	149
5	15780.00	60.00	74.00	-14.00	42.70	17.30	Peak	252	149

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



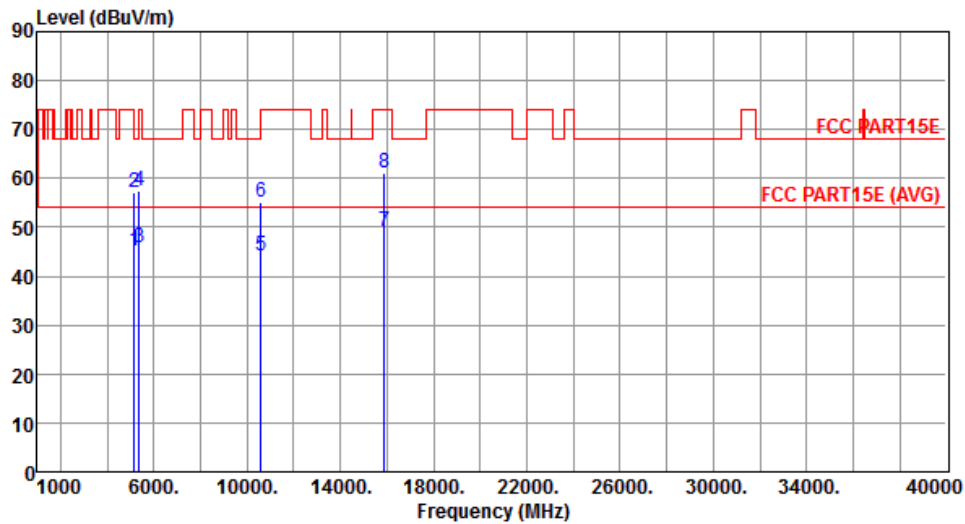
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.10	54.00	-7.90	39.40	6.70	Average	201	277
2	5150.00	57.41	74.00	-16.59	50.71	6.70	Peak	201	277
3	10520.00	55.23	68.20	-12.97	38.40	16.83	Peak	205	187
4	15780.00	51.56	54.00	-2.44	34.26	17.30	Average	195	149
5	15780.00	63.15	74.00	-10.85	45.85	17.30	Peak	195	149

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



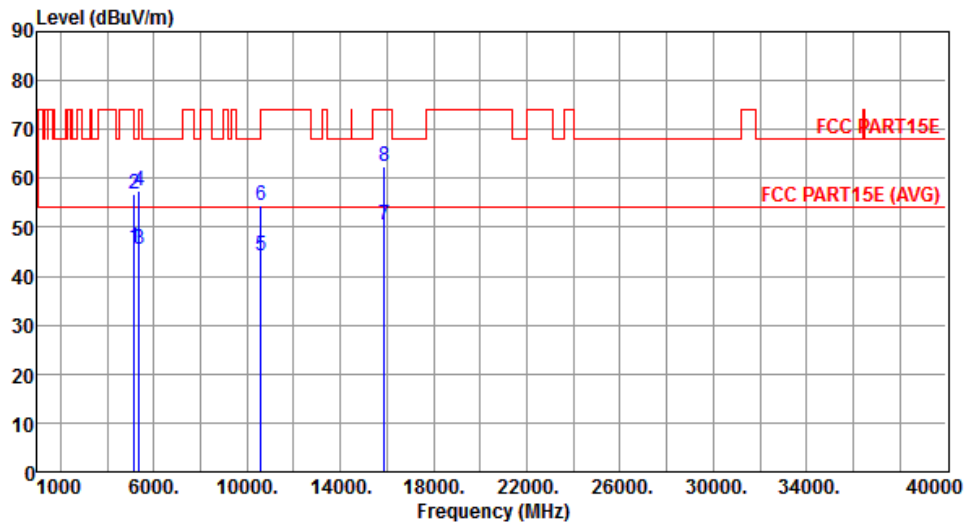
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.20	54.00	-8.80	38.50	6.70	Average	179	233
2	5150.00	56.99	74.00	-17.01	50.29	6.70	Peak	179	233
3	5350.00	45.74	54.00	-8.26	38.60	7.14	Average	179	233
4	5350.00	57.41	74.00	-16.59	50.27	7.14	Peak	179	233
5	10600.00	44.16	54.00	-9.84	27.54	16.62	Average	188	216
6	10600.00	55.23	74.00	-18.77	38.61	16.62	Peak	188	216
7	15900.00	49.13	54.00	-4.87	32.31	16.82	Average	168	156
8	15900.00	61.10	74.00	-12.90	44.28	16.82	Peak	168	156

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



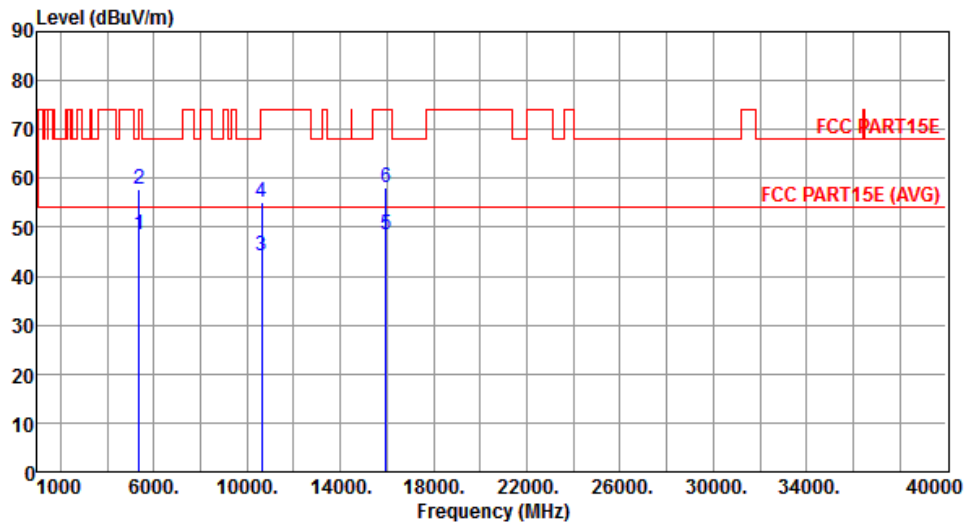
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.96	54.00	-8.04	39.26	6.70	Average	203	271
2	5150.00	56.84	74.00	-17.16	50.14	6.70	Peak	203	271
3	5350.00	45.44	54.00	-8.56	38.30	7.14	Average	203	271
4	5350.00	57.41	74.00	-16.59	50.27	7.14	Peak	203	271
5	10600.00	44.16	54.00	-9.84	27.26	16.90	Average	271	157
6	10600.00	54.49	74.00	-19.51	37.59	16.90	Peak	271	157
7	15900.00	50.53	54.00	-3.47	33.59	16.94	Average	210	143
8	15900.00	62.37	74.00	-11.63	45.43	16.94	Peak	210	143

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



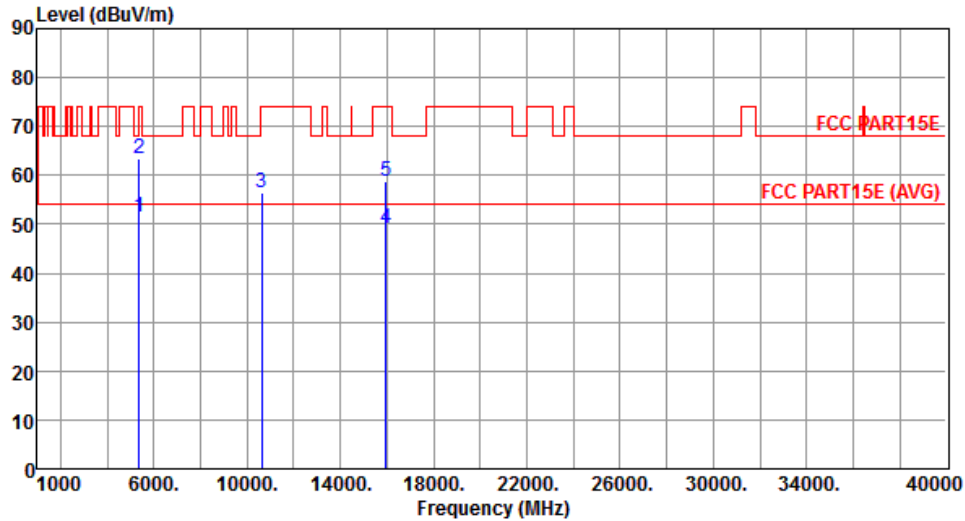
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.46	54.00	-5.54	41.32	7.14	Average	189	218
2	5350.00	57.74	74.00	-16.26	50.60	7.14	Peak	189	218
3	10640.00	44.08	54.00	-9.92	27.45	16.63	Average	156	168
4	10640.00	55.24	74.00	-18.76	38.61	16.63	Peak	156	168
5	15960.00	48.39	54.00	-5.61	31.69	16.70	Average	171	196
6	15960.00	58.09	74.00	-15.91	41.39	16.70	Peak	171	196

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



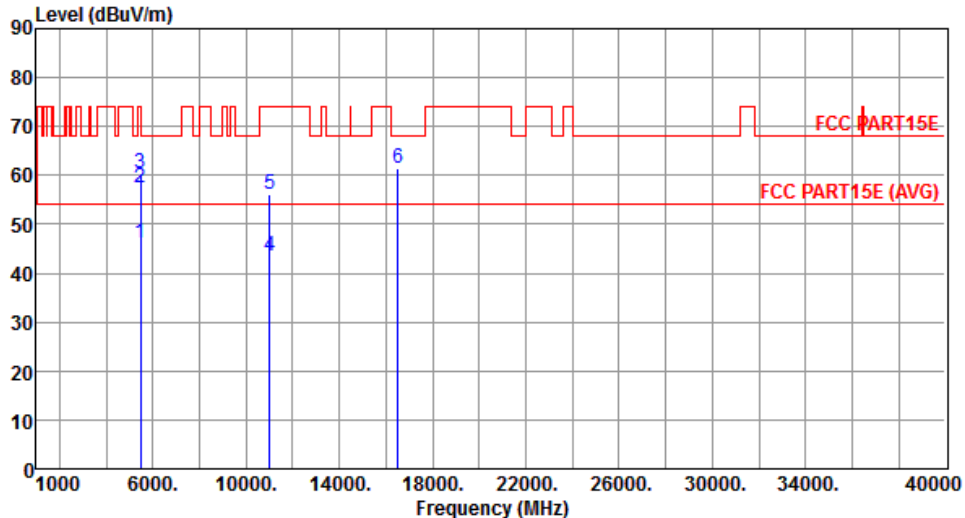
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.35	54.00	-2.65	44.21	7.14	Average	219	269
2	5350.00	63.51	74.00	-10.49	56.37	7.14	Peak	219	269
3	10640.00	56.45	74.00	-17.55	39.53	16.92	Peak	271	171
4	15960.00	49.14	54.00	-4.86	32.39	16.75	Average	200	143
5	15960.00	58.82	74.00	-15.18	42.07	16.75	Peak	200	143

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

*Factor includes antenna factor , cable loss and amplifier gain

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

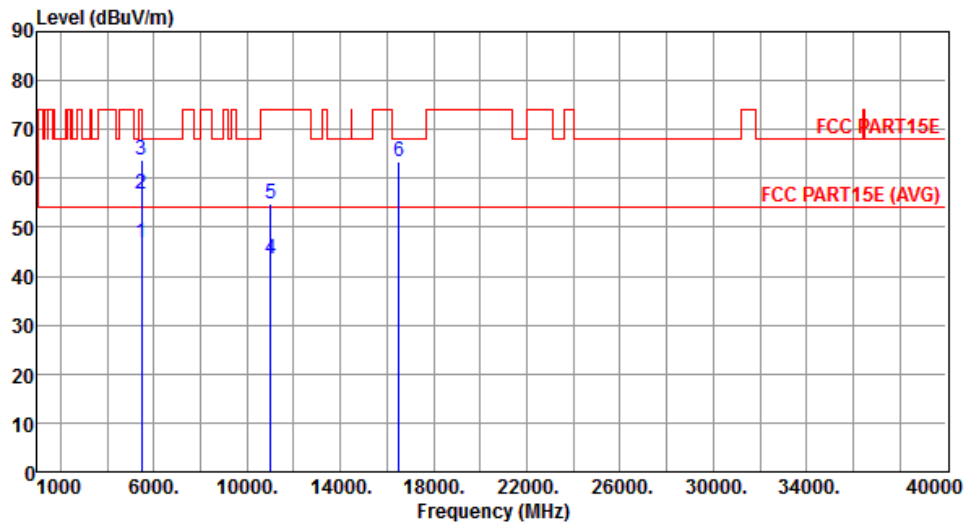
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.16	54.00	-7.84	38.90	7.26	Average	156	220
2	5460.00	57.52	74.00	-16.48	50.26	7.26	Peak	156	220
3	5470.00	60.52	68.20	-7.68	53.25	7.27	Peak	156	220
4	11000.00	43.46	54.00	-10.54	26.25	17.21	Average	145	195
5	11000.00	56.10	74.00	-17.90	38.89	17.21	Peak	145	195
6	16500.00	61.59	68.20	-6.61	43.26	18.33	Peak	357	104

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

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



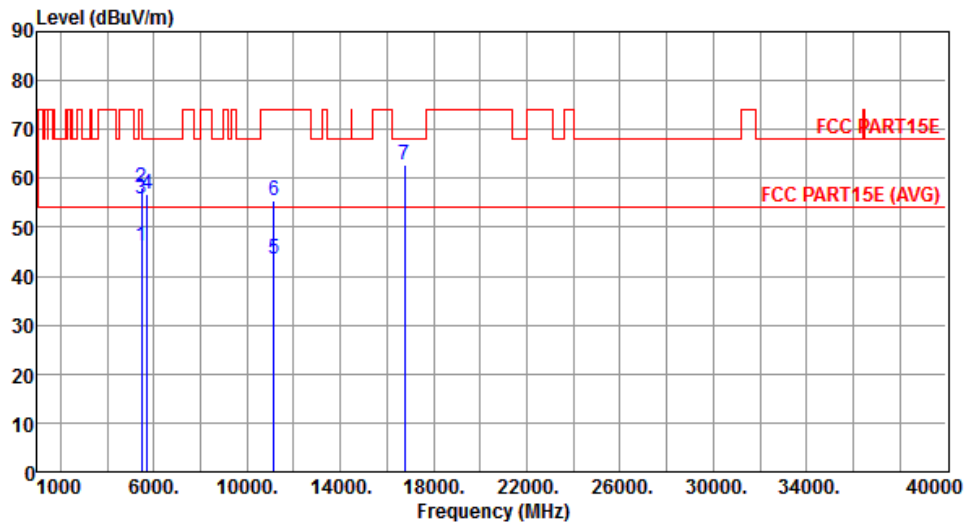
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.85	54.00	-7.15	39.59	7.26	Average	209	259
2	5460.00	56.76	74.00	-17.24	49.50	7.26	Peak	209	259
3	5470.00	63.61	68.20	-4.59	56.34	7.27	Peak	209	259
4	11000.00	43.61	54.00	-10.39	26.89	16.72	Average	245	316
5	11000.00	54.78	74.00	-19.22	38.06	16.72	Peak	245	316
6	16500.00	63.59	68.20	-4.61	45.26	18.33	Peak	160	149

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



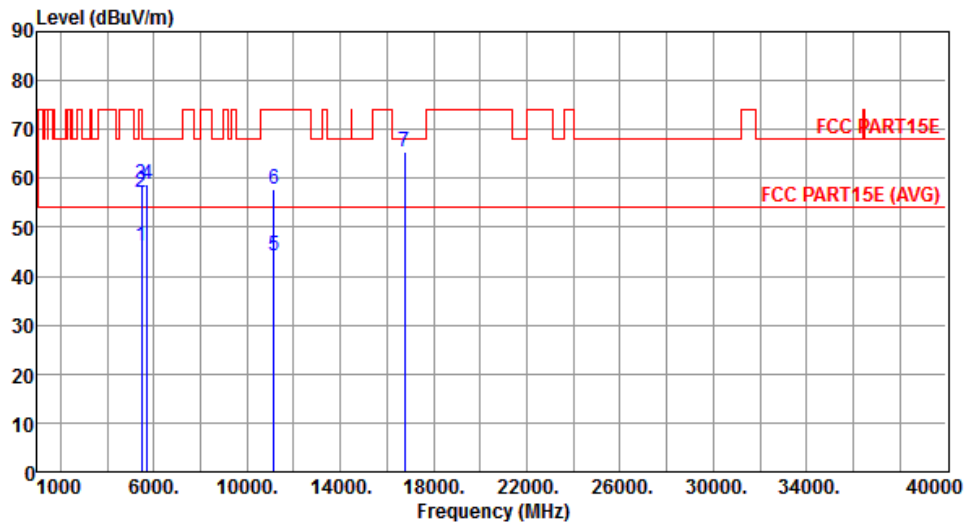
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.06	54.00	-7.94	39.30	6.76	Average	166	142
2	5460.00	58.10	74.00	-15.90	51.34	6.76	Peak	166	142
3	5470.00	55.88	68.20	-12.32	49.11	6.77	Peak	166	142
4	5725.00	56.89	68.20	-11.31	49.65	7.24	Peak	166	142
5	11160.00	43.43	54.00	-10.57	26.64	16.79	Average	138	156
6	11160.00	55.39	74.00	-18.61	38.60	16.79	Peak	138	156
7	16740.00	62.71	68.20	-5.49	44.31	18.40	Peak	155	138

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



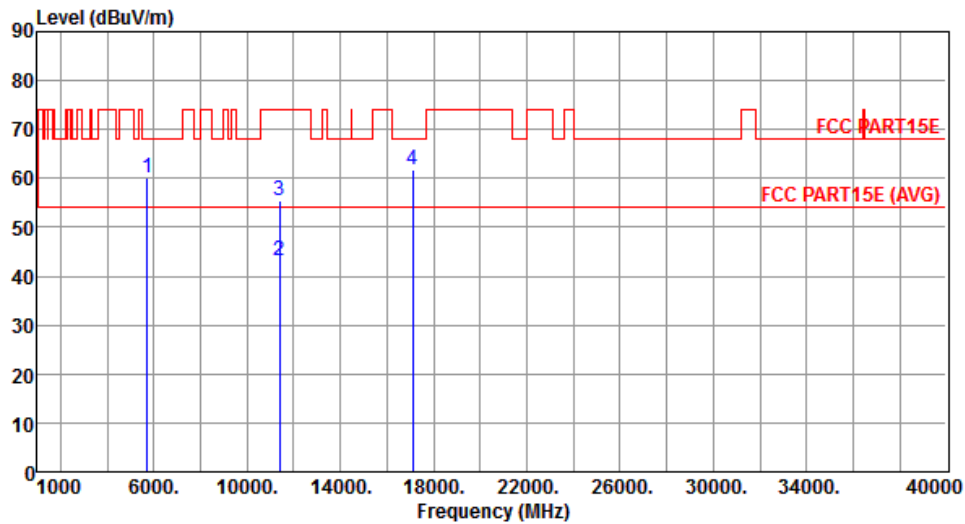
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.02	54.00	-7.98	38.76	7.26	Average	215	266
2	5460.00	57.14	74.00	-16.86	49.88	7.26	Peak	215	266
3	5470.00	58.86	68.20	-9.34	51.59	7.27	Peak	215	266
4	5725.00	58.94	68.20	-9.26	51.26	7.68	Peak	215	266
5	11160.00	44.16	54.00	-9.84	26.89	17.27	Average	295	24
6	11160.00	57.79	74.00	-16.21	40.52	17.27	Peak	295	24
7	16740.00	65.56	68.20	-2.64	46.92	18.64	Peak	192	147

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



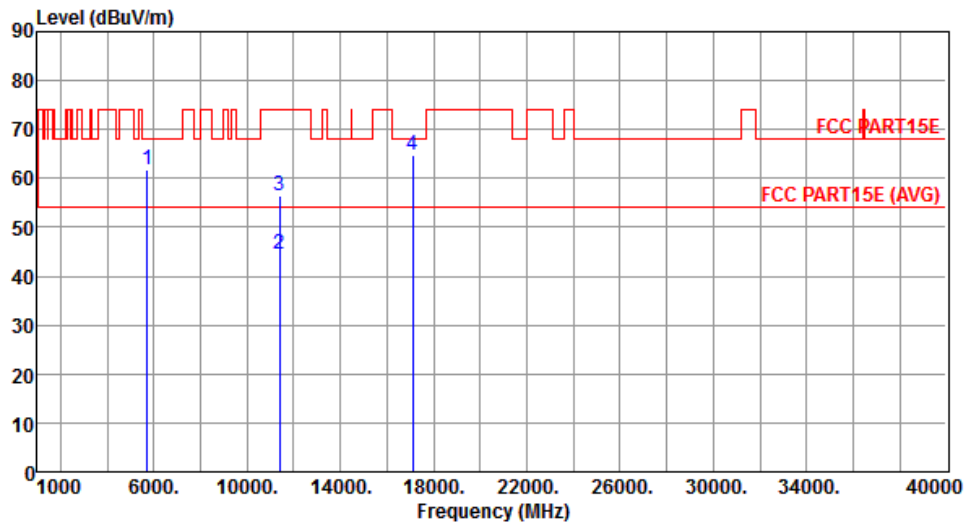
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.28	68.20	-7.92	52.60	7.68	Peak	187	211
2	11400.00	43.20	54.00	-10.80	26.32	16.88	Average	182	168
3	11400.00	55.47	74.00	-18.53	38.59	16.88	Peak	182	168
4	17100.00	61.77	68.20	-6.43	42.65	19.12	Peak	182	159

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

*Factor includes antenna factor , cable loss and amplifier gain

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

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



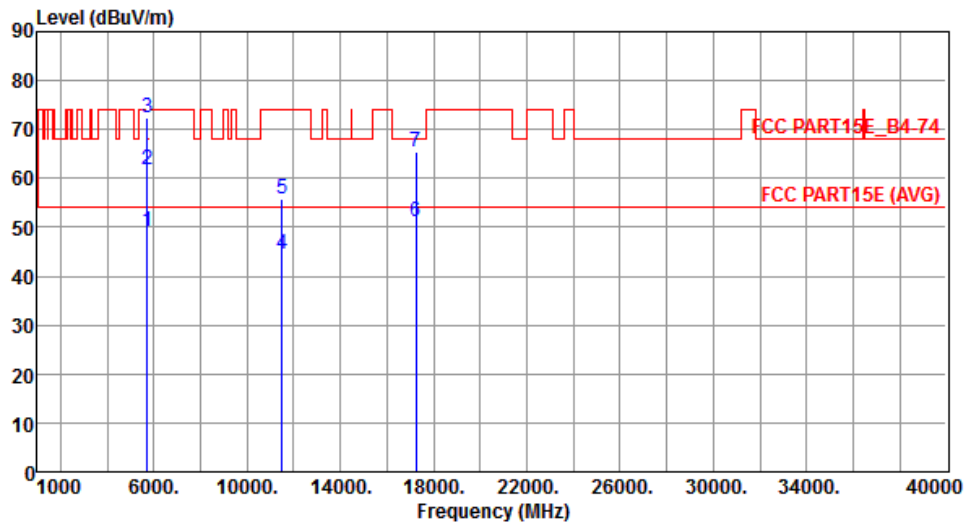
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.68	68.20	-6.52	54.00	7.68	Peak	225	281
2	11400.00	44.61	54.00	-9.39	27.26	17.35	Average	235	115
3	11400.00	56.61	74.00	-17.39	39.26	17.35	Peak	235	115
4	17100.00	64.64	68.20	-3.56	45.56	19.08	Peak	246	153

Note 1: Emission Level (dBuV/m) = SA Reading (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	3



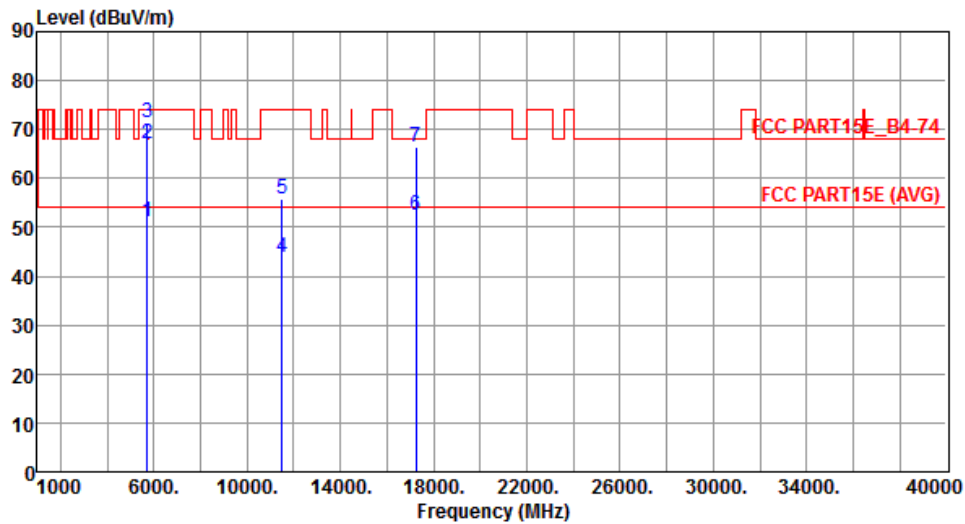
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.24	54.00	-4.76	41.60	7.64	Average	216	218
2	5715.00	61.91	74.00	-12.09	54.27	7.64	Peak	126	218
3	5725.00	72.36	78.20	-5.84	64.68	7.68	Peak	126	218
4	11490.00	44.65	54.00	-9.35	27.27	17.38	Average	271	177
5	11490.00	55.65	74.00	-18.35	38.27	17.38	Peak	271	177
6	17235.00	51.29	54.00	-2.71	32.05	19.24	Average	245	110
7	17235.00	65.29	74.00	-8.71	46.05	19.24	Peak	245	110

Note 1: Emission Level (dBuV/m) = SA Reading (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	3



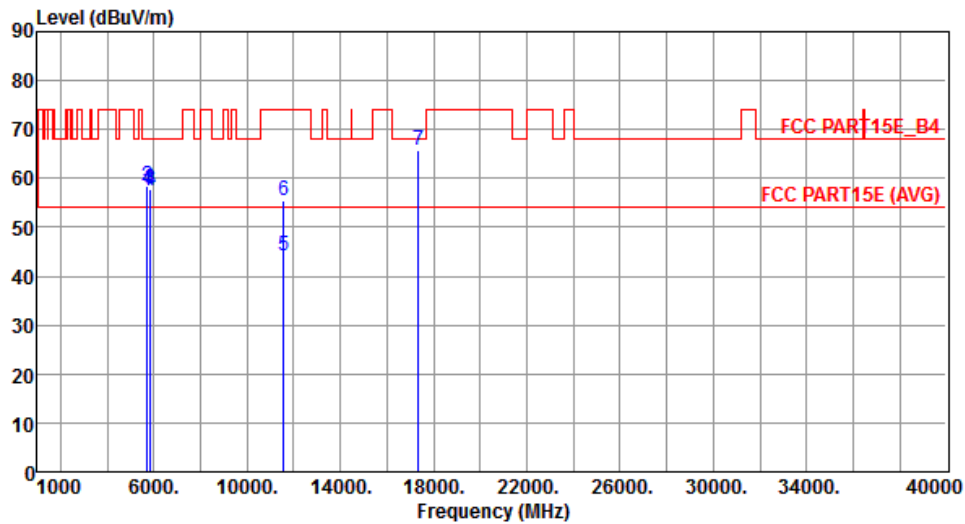
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.26	54.00	-2.74	44.06	7.20	Average	187	242
2	5715.00	66.96	74.00	-7.04	59.76	7.20	Peak	187	242
3	5725.00	71.33	78.20	-6.87	64.09	7.24	Peak	187	242
4	11490.00	43.94	54.00	-10.06	27.03	16.91	Average	180	157
5	11490.00	55.65	74.00	-18.35	38.74	16.91	Peak	180	157
6	17235.00	52.37	54.00	-1.63	33.05	19.32	Average	247	152
7	17235.00	66.37	74.00	-7.63	47.05	19.32	Peak	247	152

Note 1: Emission Level (dBuV/m) = SA Reading (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	3



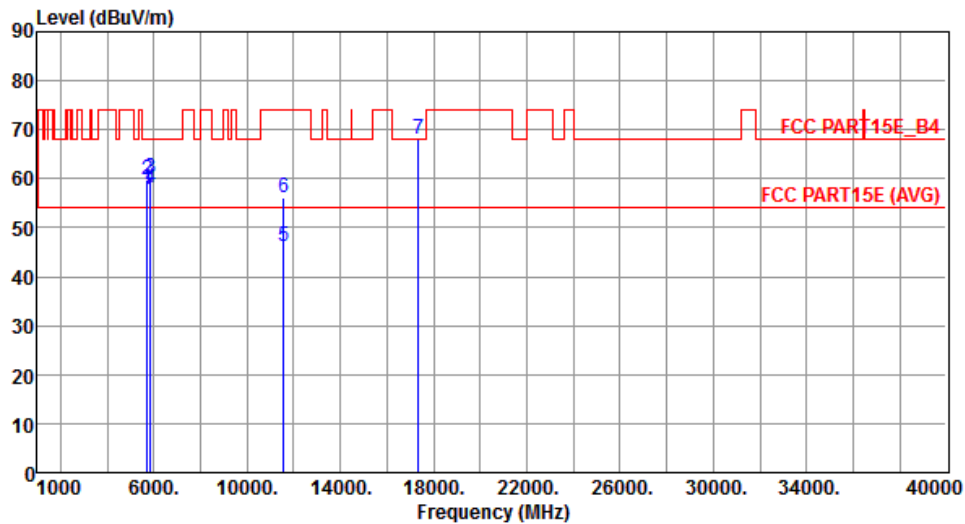
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	57.37	68.20	-10.83	50.17	7.20	Peak	166	200
2	5725.00	58.62	78.20	-19.58	51.38	7.24	Peak	166	200
3	5850.00	57.66	78.20	-20.54	50.16	7.50	Peak	166	200
4	5860.00	57.53	68.20	-10.67	50.02	7.51	Peak	166	200
5	11570.00	44.13	54.00	-9.87	27.33	16.80	Average	182	163
6	11570.00	55.42	74.00	-18.58	38.62	16.80	Peak	182	163
7	17355.00	65.77	68.20	-2.43	46.28	19.49	Peak	172	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	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	3



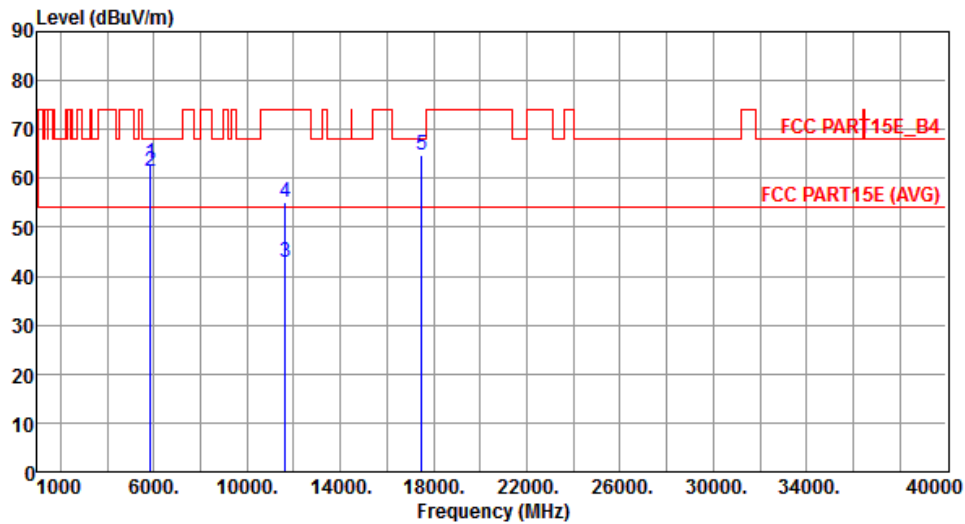
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	57.91	68.20	-10.29	50.27	7.64	Peak	156	272
2	5725.00	59.94	78.20	-18.26	52.26	7.68	Peak	156	272
3	5850.00	60.26	78.20	-17.94	52.26	8.00	Peak	156	272
4	5860.00	58.27	68.20	-9.93	50.25	8.02	Peak	156	272
5	11570.00	46.30	54.00	-7.70	29.50	16.80	Average	327	189
6	11570.00	56.06	74.00	-17.94	39.26	16.80	Peak	327	189
7	17355.00	68.05	68.20	-0.15	48.69	19.36	Peak	279	154

Note 1: Emission Level (dBuV/m) = SA Reading (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	3



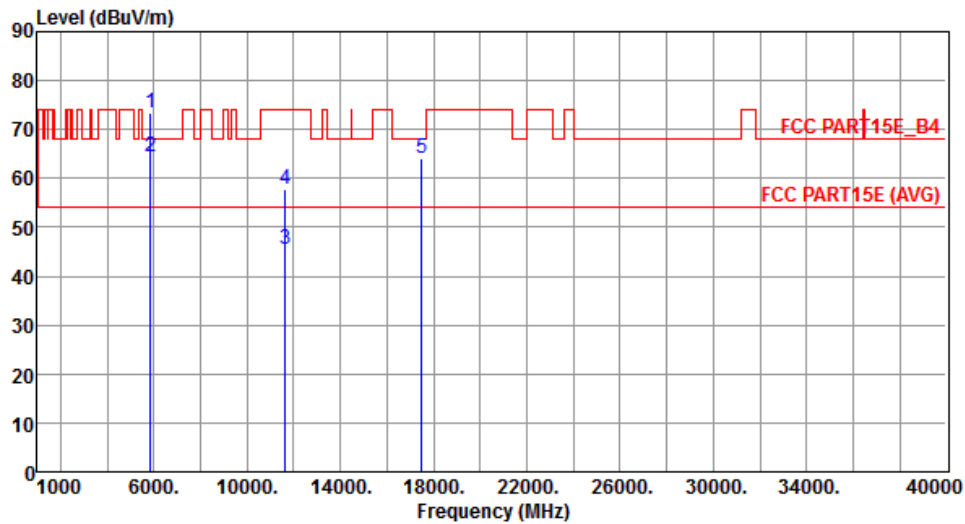
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	63.22	78.20	-14.98	55.22	8.00	Peak	111	218
2	5860.00	61.27	68.20	-6.93	53.25	8.02	Peak	111	218
3	11650.00	42.77	54.00	-11.23	26.12	16.65	Average	152	168
4	11650.00	55.27	74.00	-18.73	38.62	16.65	Peak	152	168
5	17475.00	64.82	68.20	-3.38	45.16	19.66	Peak	166	168

Note 1: Emission Level (dBUV/m) = SA Reading (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	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	73.25	78.20	-4.95	65.75	7.50	Peak	192	267
2	5860.00	64.31	68.20	-3.89	56.29	8.02	Peak	192	267
3	11650.00	45.44	54.00	-8.56	28.26	17.18	Average	241	156
4	11650.00	57.89	74.00	-16.11	40.71	17.18	Peak	241	156
5	17475.00	64.08	68.20	-4.12	44.58	19.50	Peak	239	147

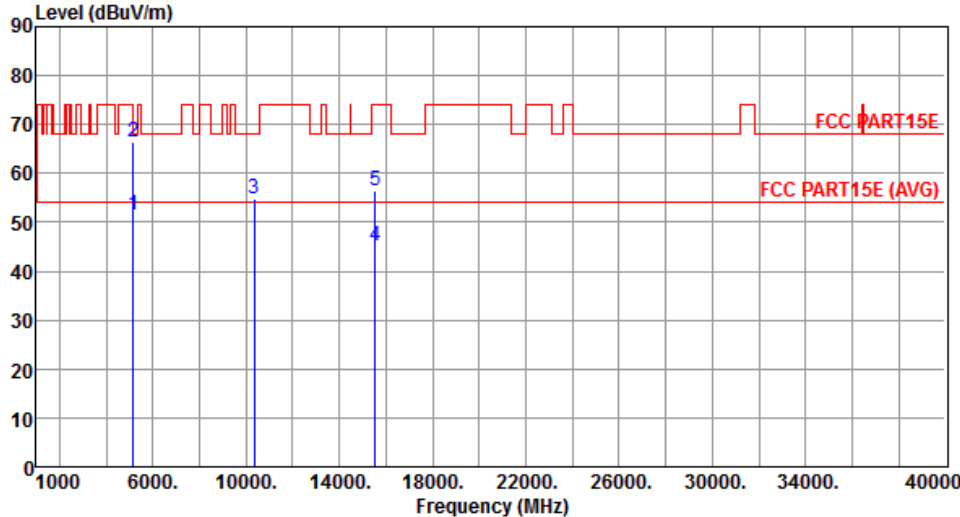
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.5.14 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

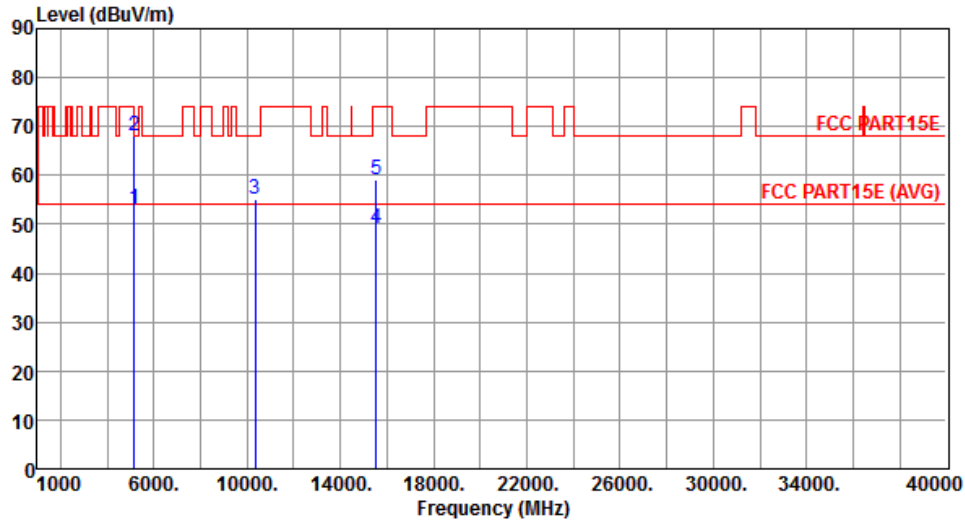
Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.42	54.00	-2.58	45.11	6.31	Average	135	325
2	5150.00	66.53	74.00	-7.47	60.22	6.31	Peak	135	325
3	10360.00	54.78	68.20	-13.42	38.44	16.34	Peak	222	168
4	15540.00	45.04	54.00	-8.96	27.54	17.50	Average	255	20
5	15540.00	56.45	74.00	-17.55	38.95	17.50	Peak	255	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	HT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	3



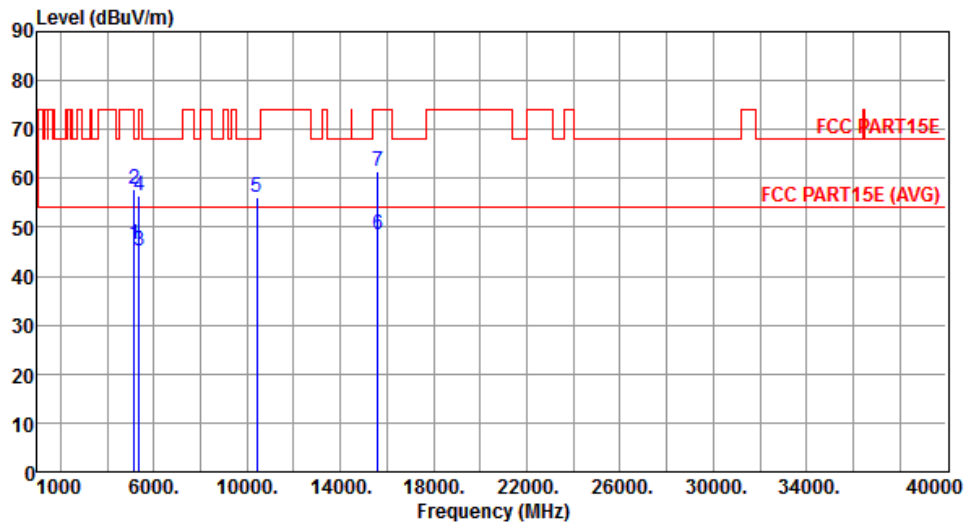
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.29	54.00	-0.71	46.59	6.70	Average	267	26
2	5150.00	67.96	74.00	-6.04	61.26	6.70	Peak	267	26
3	10360.00	55.25	68.20	-12.95	38.74	16.51	Peak	236	274
4	15540.00	49.28	54.00	-4.72	31.25	18.03	Average	162	158
5	15540.00	59.22	74.00	-14.78	41.19	18.03	Peak	162	158

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	3



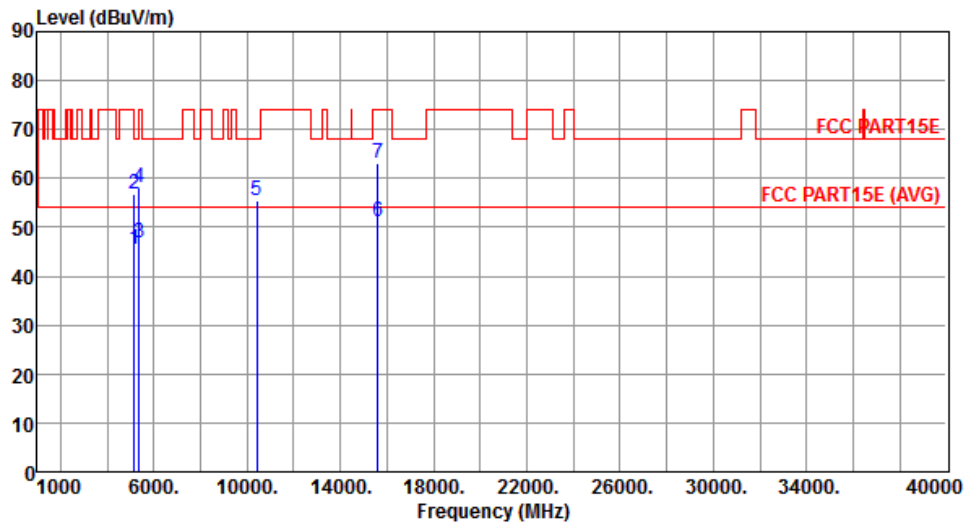
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.46	54.00	-7.54	40.15	6.31	Average	136	185
2	5150.00	57.74	74.00	-16.26	51.43	6.31	Peak	136	185
3	5350.00	45.06	54.00	-8.94	38.44	6.62	Average	136	185
4	5350.00	56.30	74.00	-17.70	49.68	6.62	Peak	136	185
5	10400.00	56.18	68.20	-12.02	39.58	16.60	Peak	156	274
6	15600.00	48.64	54.00	-5.36	30.80	17.84	Average	200	211
7	15600.00	61.40	74.00	-12.60	43.56	17.84	Peak	200	211

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	3



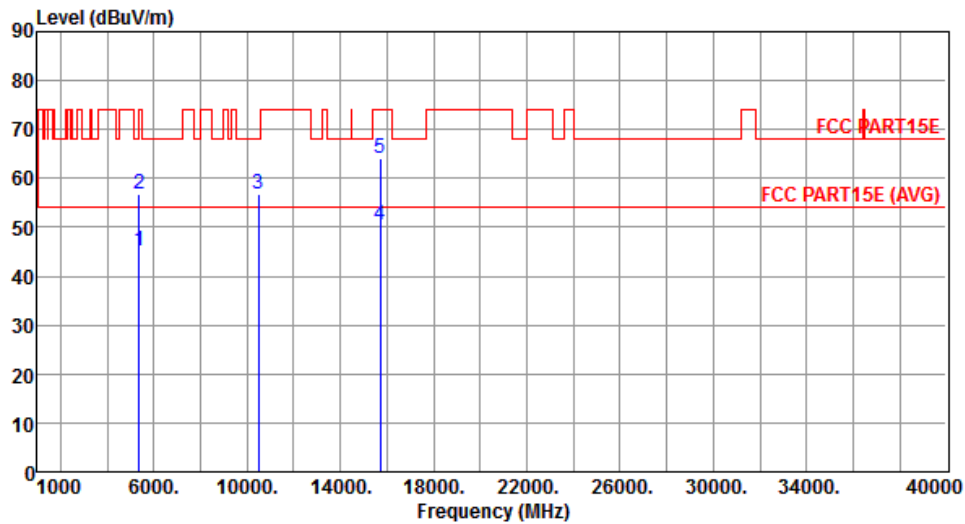
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.57	54.00	-8.43	38.87	6.70	Average	208	283
2	5150.00	56.91	74.00	-17.09	50.21	6.70	Peak	208	283
3	5350.00	46.71	54.00	-7.29	39.57	7.14	Average	208	283
4	5350.00	58.05	74.00	-15.95	50.91	7.14	Peak	208	283
5	10400.00	55.34	68.20	-12.86	38.74	16.60	Peak	263	158
6	15600.00	50.99	54.00	-3.01	33.15	17.84	Average	209	145
7	15600.00	63.20	74.00	-10.80	45.36	17.84	Peak	209	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	HT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	3



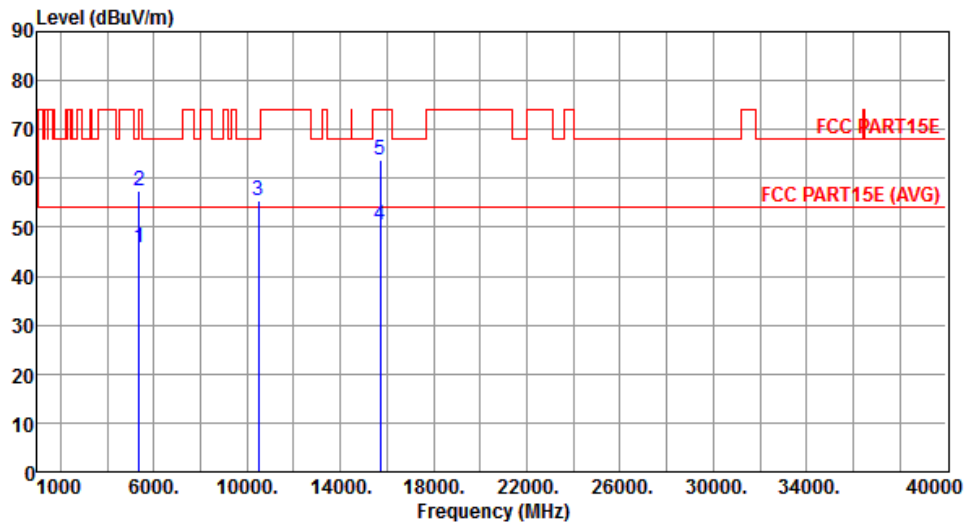
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.07	54.00	-8.93	38.45	6.62	Average	172	220
2	5350.00	56.75	74.00	-17.25	50.13	6.62	Peak	172	220
3	10480.00	56.68	68.20	-11.52	40.12	16.56	Peak	152	141
4	15720.00	50.32	54.00	-3.68	33.17	17.15	Average	175	175
5	15720.00	64.01	74.00	-9.99	46.86	17.15	Peak	175	175

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	3



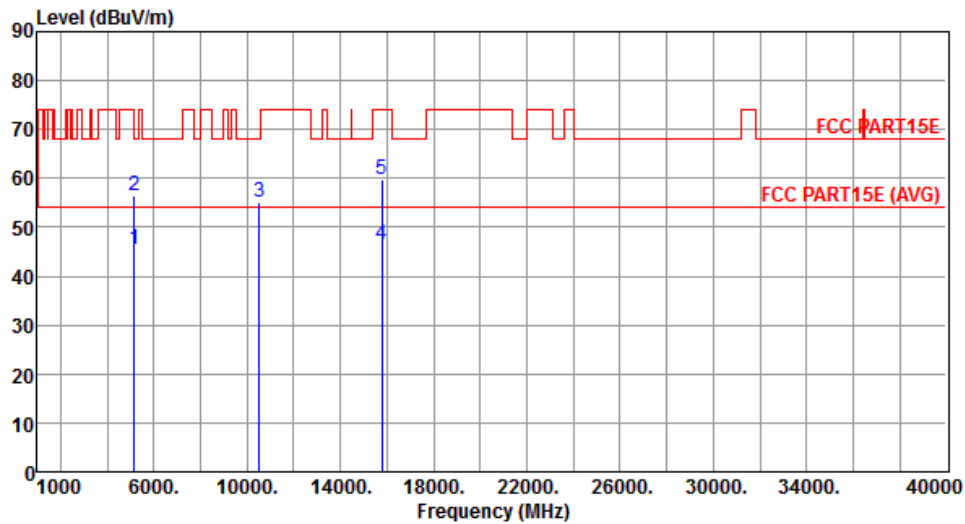
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.74	54.00	-8.26	38.60	7.14	Average	209	282
2	5350.00	57.41	74.00	-16.59	50.27	7.14	Peak	209	282
3	10480.00	55.37	68.20	-12.83	38.60	16.77	Peak	267	178
4	15720.00	50.54	54.00	-3.46	33.06	17.48	Average	209	143
5	15720.00	63.83	74.00	-10.17	46.35	17.48	Peak	209	143

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	3



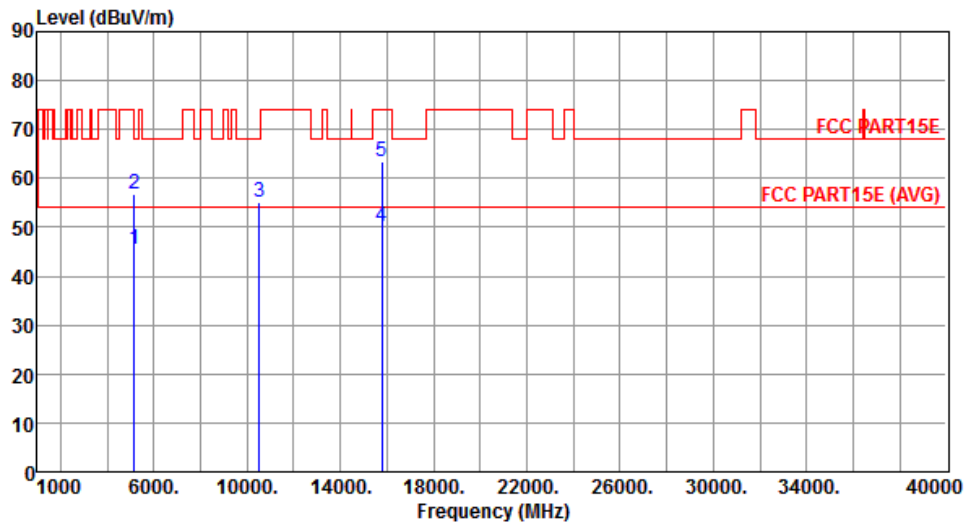
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.55	54.00	-8.45	39.24	6.31	Average	155	220
2	5150.00	56.43	74.00	-17.57	50.12	6.31	Peak	155	220
3	10520.00	55.07	68.20	-13.13	38.47	16.60	Peak	179	212
4	15780.00	46.42	54.00	-7.58	29.37	17.05	Average	250	150
5	15780.00	59.69	74.00	-14.31	42.64	17.05	Peak	250	150

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	3



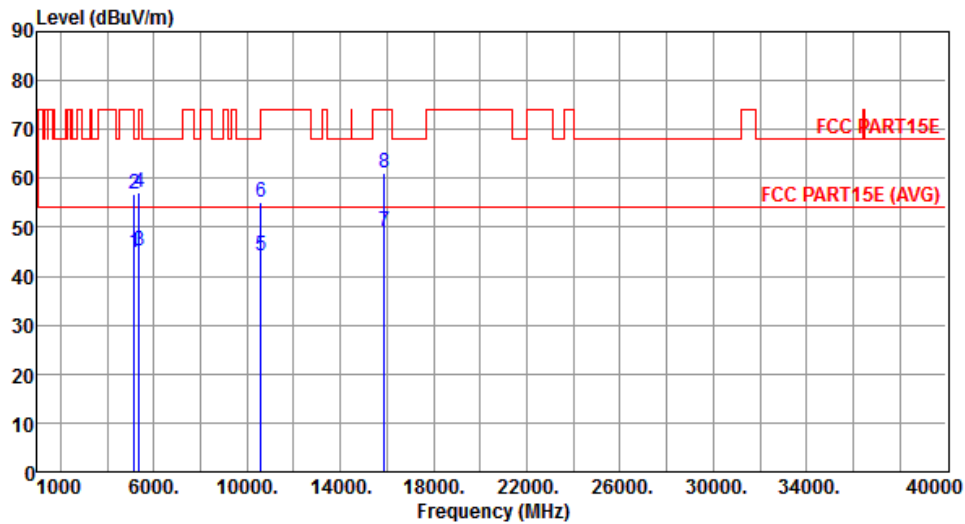
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.62	54.00	-8.38	38.92	6.70	Average	244	281
2	5150.00	56.89	74.00	-17.11	50.19	6.70	Peak	244	281
3	10520.00	55.13	68.20	-13.07	38.30	16.83	Peak	267	188
4	15780.00	50.18	54.00	-3.82	32.88	17.30	Average	246	134
5	15780.00	63.33	74.00	-10.67	46.03	17.30	Peak	246	134

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	3



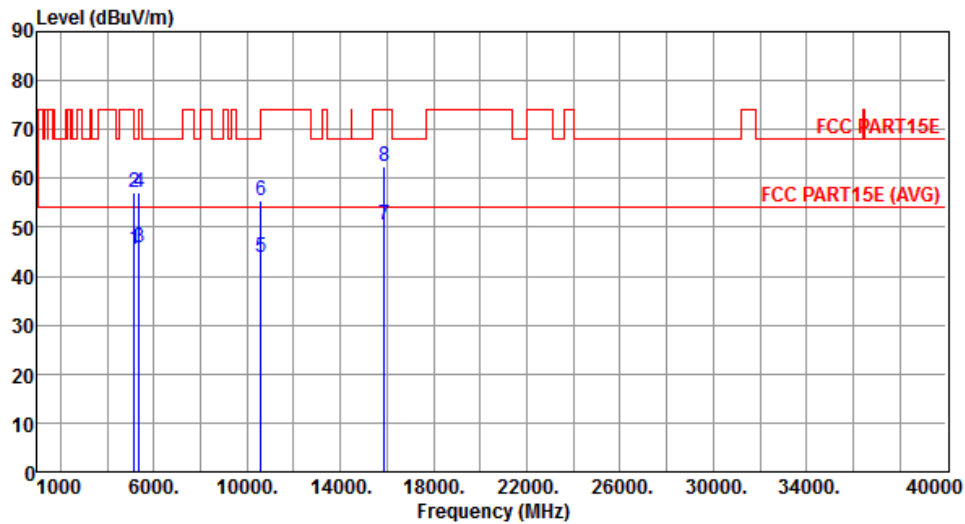
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.98	54.00	-9.02	38.67	6.31	Average	180	232
2	5150.00	56.63	74.00	-17.37	50.32	6.31	Peak	1820	232
3	5350.00	45.09	54.00	-8.91	38.47	6.62	Average	180	232
4	5350.00	57.09	74.00	-16.91	50.47	6.62	Peak	180	232
5	10600.00	44.06	54.00	-9.94	27.44	16.62	Average	187	215
6	10600.00	55.27	74.00	-18.73	38.65	16.62	Peak	187	215
7	15900.00	49.20	54.00	-4.80	32.38	16.82	Average	161	152
8	15900.00	61.20	74.00	-12.80	44.38	16.82	Peak	161	152

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	3



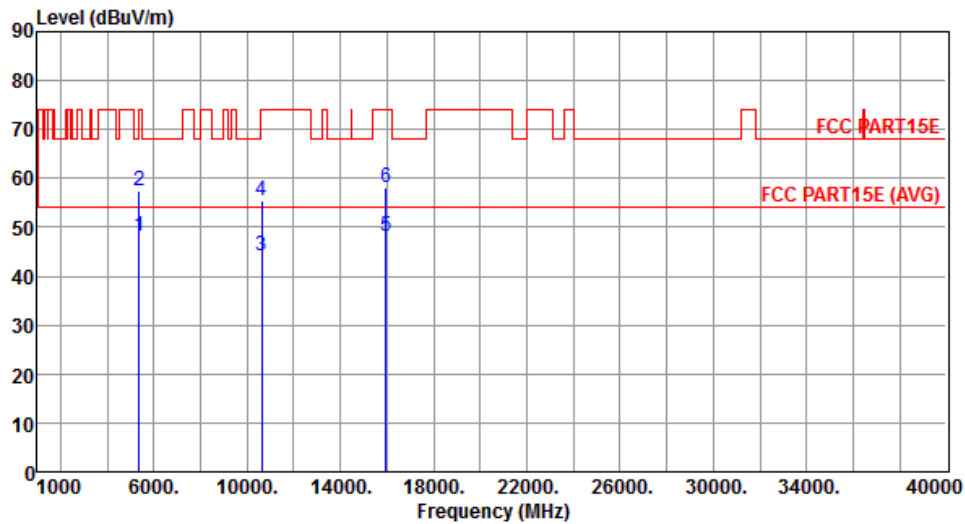
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.44	54.00	-8.56	38.74	6.70	Average	234	278
2	5150.00	56.99	74.00	-17.01	50.29	6.70	Peak	234	278
3	5350.00	45.86	54.00	-8.14	38.72	7.14	Average	234	278
4	5350.00	57.29	74.00	-16.71	50.15	7.14	Peak	234	278
5	10600.00	43.68	54.00	-10.32	26.78	16.90	Average	287	142
6	10600.00	55.40	74.00	-18.60	38.50	16.90	Peak	287	142
7	15900.00	50.50	54.00	-3.50	33.56	16.94	Average	222	182
8	15900.00	62.54	74.00	-11.46	45.60	16.94	Peak	222	182

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	3



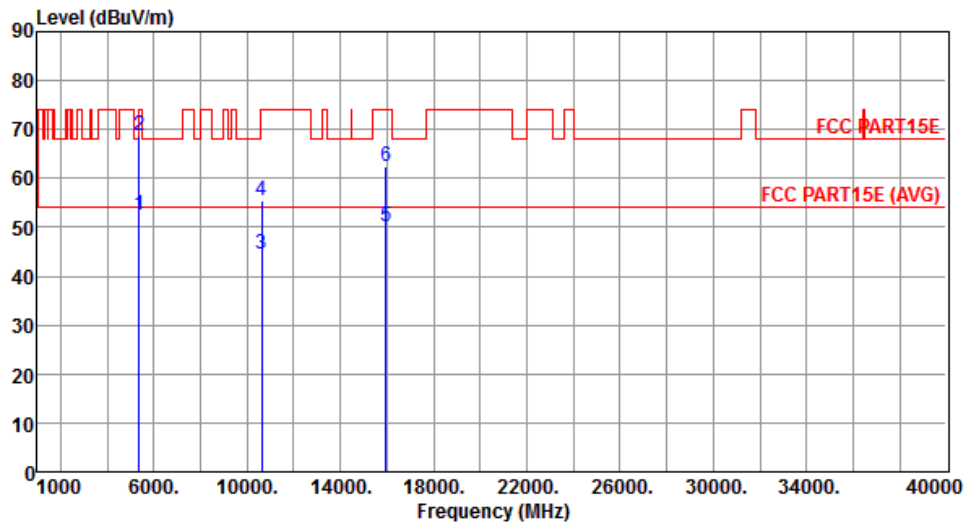
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.03	54.00	-5.97	41.41	6.62	Average	185	215
2	5350.00	57.30	74.00	-16.70	50.68	6.62	Peak	185	215
3	10640.00	44.25	54.00	-9.75	27.62	16.63	Average	155	171
4	10640.00	55.34	74.00	-18.66	38.71	16.63	Peak	155	171
5	15960.00	48.19	54.00	-5.81	31.49	16.70	Average	170	190
6	15960.00	58.15	74.00	-15.85	41.45	16.70	Peak	170	190

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	3



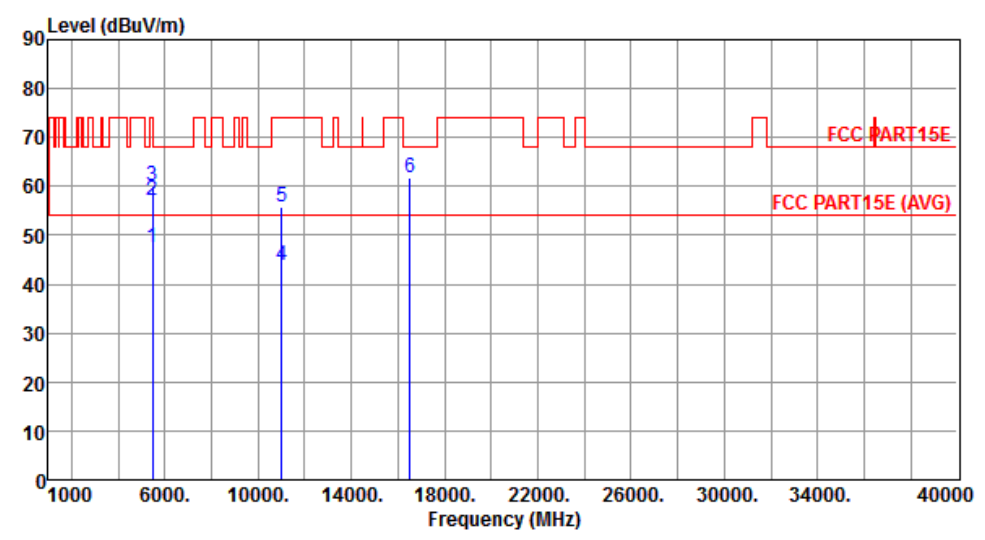
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.45	54.00	-1.55	45.31	7.14	Average	233	287
2	5350.00	68.90	74.00	-5.10	61.76	7.14	Peak	233	287
3	10640.00	44.46	54.00	-9.54	27.54	16.92	Average	312	144
4	10640.00	55.50	74.00	-18.50	38.58	16.92	Peak	312	144
5	15960.00	50.31	54.00	-3.69	33.56	16.75	Average	213	180
6	15960.00	62.36	74.00	-11.64	45.61	16.75	Peak	213	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).

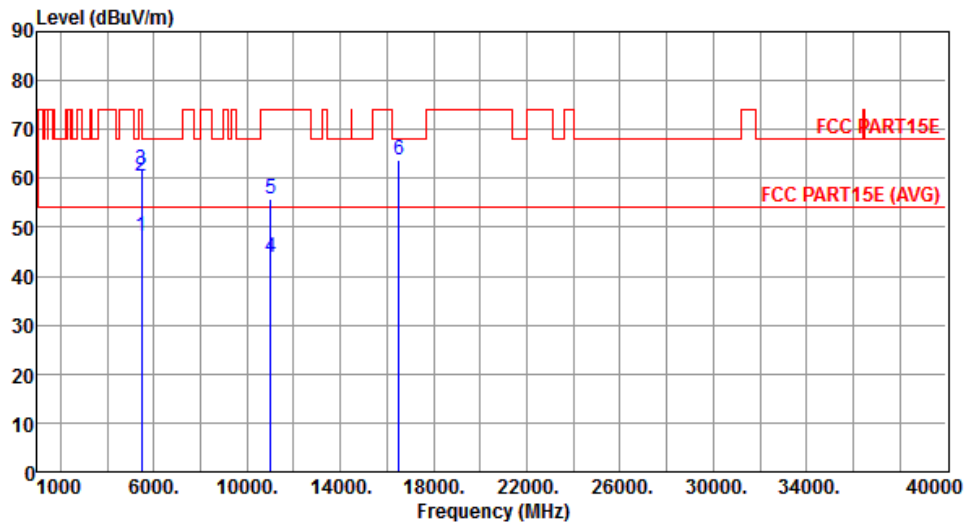
Modulation	HT20	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.52	54.00	-6.48	40.26	7.26	Average	120	212
2	5460.00	57.27	74.00	-16.73	50.01	7.26	Peak	120	212
3	5470.00	59.95	68.20	-8.25	52.68	7.27	Peak	120	212
4	11000.00	43.98	54.00	-10.02	26.77	17.21	Average	284	314
5	11000.00	55.95	74.00	-18.05	38.74	17.21	Peak	284	314
6	16500.00	61.61	68.20	-6.59	43.28	18.33	Peak	239	107

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	3



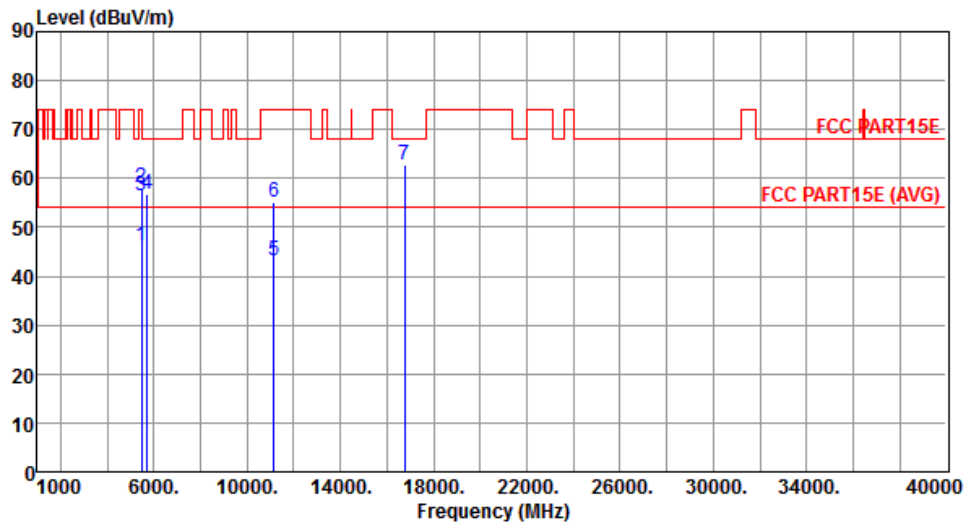
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.23	54.00	-5.77	40.97	7.26	Average	220	288
2	5460.00	60.32	74.00	-13.68	53.06	7.26	Peak	220	288
3	5470.00	61.61	68.20	-6.59	54.34	7.27	Peak	220	288
4	11000.00	43.99	54.00	-10.01	26.78	17.21	Average	239	295
5	11000.00	55.77	74.00	-18.23	38.56	17.21	Peak	239	295
6	16500.00	63.90	68.20	-4.30	45.57	18.33	Peak	200	146

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	3



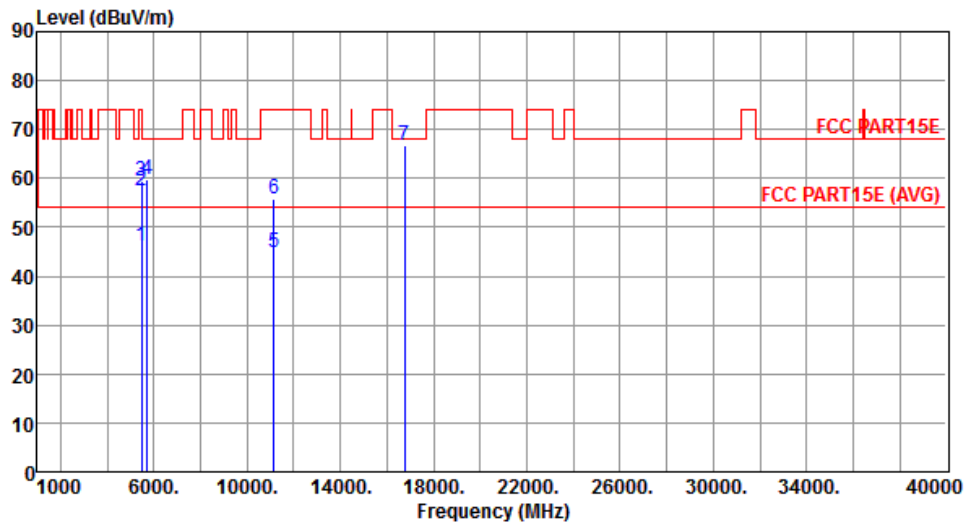
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.00	54.00	-8.00	39.24	6.76	Average	160	142
2	5460.00	58.03	74.00	-15.97	51.27	6.76	Peak	160	142
3	5470.00	56.31	68.20	-11.89	49.54	6.77	Peak	160	142
4	5725.00	56.85	68.20	-11.35	49.61	7.24	Peak	160	142
5	11160.00	43.29	54.00	-10.71	26.50	16.79	Average	155	155
6	11160.00	55.25	74.00	-18.75	38.46	16.79	Peak	155	155
7	16740.00	62.68	68.20	-5.52	44.28	18.40	Peak	162	143

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	3



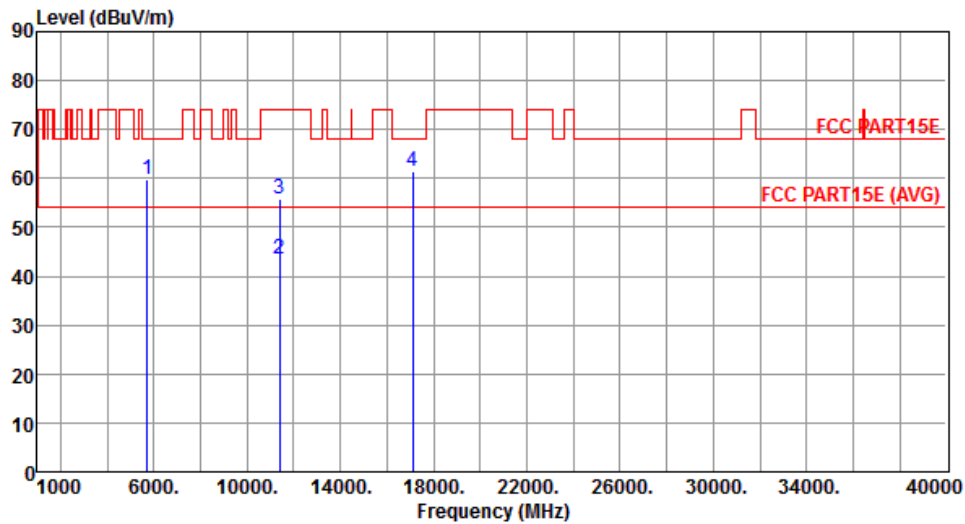
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.15	54.00	-7.85	38.89	7.26	Average	196	273
2	5460.00	57.55	74.00	-16.45	50.29	7.26	Peak	196	273
3	5470.00	59.34	68.20	-8.86	52.57	6.77	Peak	196	273
4	5725.00	59.94	68.20	-8.26	52.70	7.24	Peak	196	273
5	11160.00	44.68	54.00	-9.32	27.41	17.27	Average	266	121
6	11160.00	55.81	74.00	-18.19	38.54	17.27	Peak	266	121
7	16740.00	66.75	68.20	-1.45	48.35	18.40	Peak	223	154

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	3



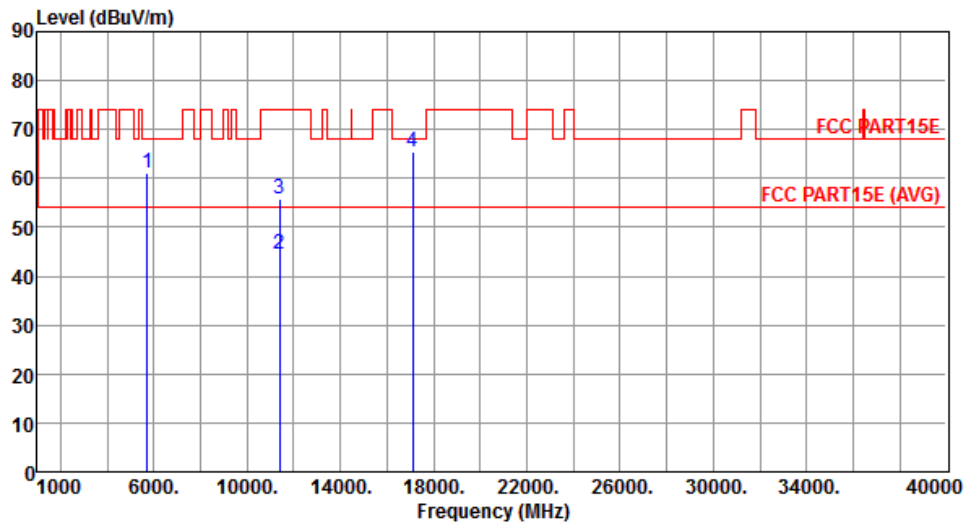
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	59.72	68.20	-8.48	52.48	7.24	Peak	185	211
2	11400.00	43.49	54.00	-10.51	26.61	16.88	Average	180	171
3	11400.00	55.81	74.00	-18.19	38.93	16.88	Peak	180	171
4	17100.00	61.30	68.20	-6.90	42.18	19.12	Peak	175	165

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	3



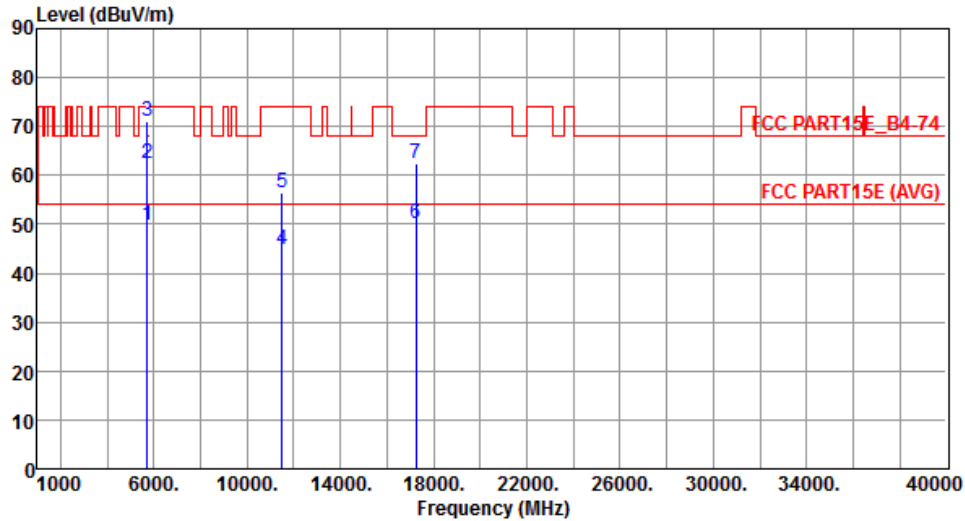
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.94	68.20	-7.26	53.26	7.68	Peak	196	267
2	11400.00	44.66	54.00	-9.34	27.31	17.35	Average	237	109
3	11400.00	55.78	74.00	-18.22	38.43	17.35	Peak	237	109
4	17100.00	65.34	68.20	-2.86	46.26	19.08	Peak	219	240

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	3



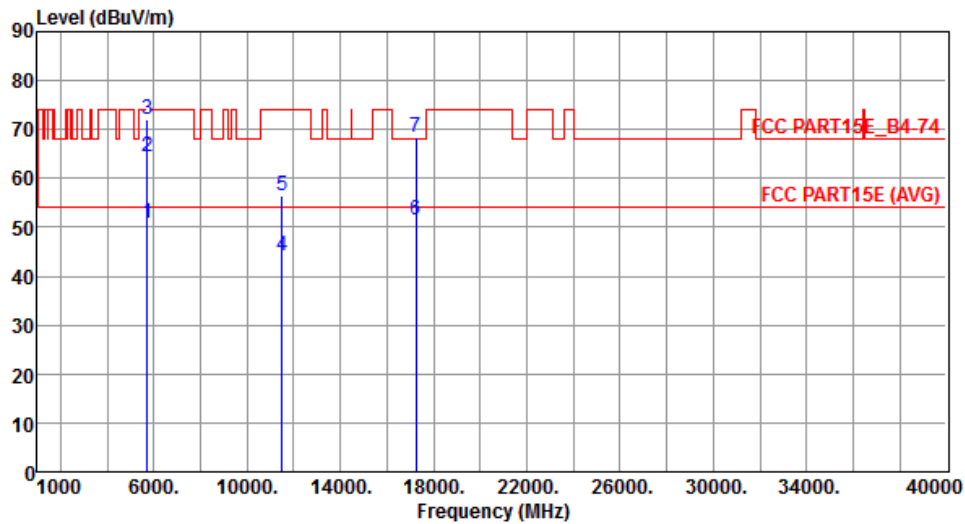
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.91	54.00	-4.09	42.27	7.64	Average	126	218
2	5715.00	62.27	74.00	-11.73	54.63	7.64	Peak	126	218
3	5725.00	71.21	78.20	-6.99	63.53	7.68	Peak	126	218
4	11490.00	44.84	54.00	-9.16	27.46	17.38	Average	285	354
5	11490.00	56.37	74.00	-17.63	38.99	17.38	Peak	285	354
6	17235.00	50.26	54.00	-3.74	31.02	19.24	Average	245	113
7	17235.00	62.49	74.00	-11.51	43.25	19.24	Peak	245	113

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	3



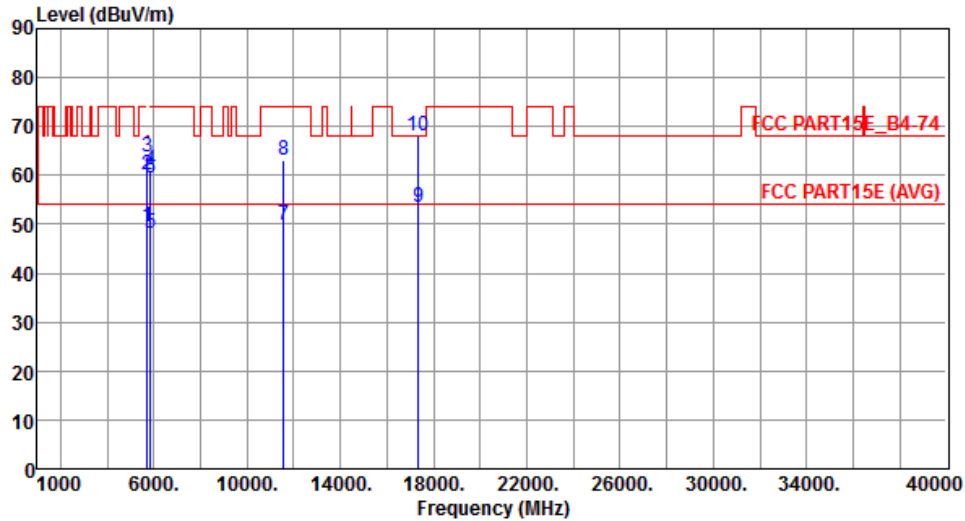
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	50.67	54.00	-3.33	43.03	7.64	Average	180	278
2	5715.00	64.31	74.00	-9.69	56.67	7.64	Peak	180	278
3	5725.00	71.97	78.20	-6.23	64.29	7.68	Peak	180	278
4	11490.00	44.14	54.00	-9.86	26.76	17.38	Average	264	332
5	11490.00	56.46	74.00	-17.54	39.08	17.38	Peak	264	332
6	17235.00	51.33	54.00	-2.67	32.09	19.24	Average	256	144
7	17235.00	68.43	74.00	-5.57	49.19	19.24	Peak	256	144

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	3



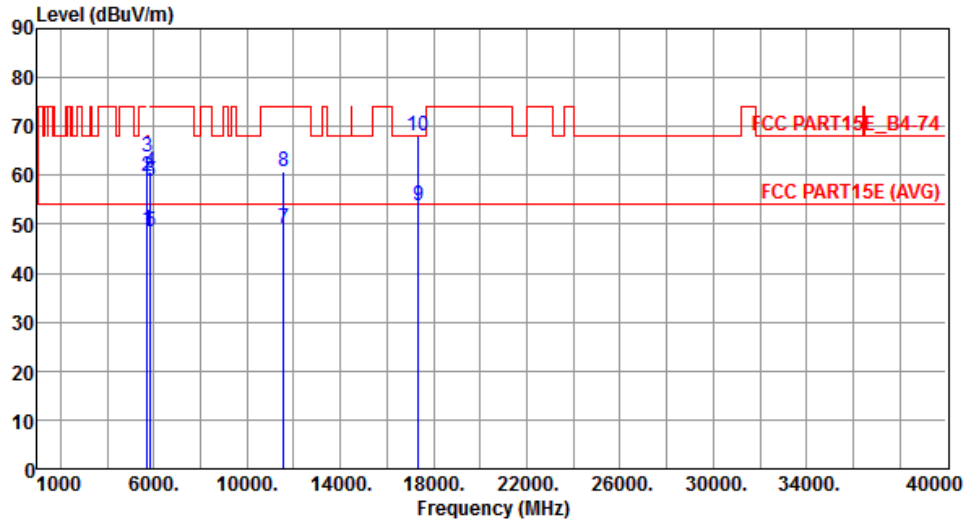
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.51	54.00	-4.49	41.87	7.64	Average	118	215
2	5715.00	60.26	74.00	-13.74	52.62	7.64	Peak	118	215
3	5725.00	63.78	78.20	-14.42	56.10	7.68	Peak	118	215
4	5850.00	61.25	78.20	-16.95	53.25	8.00	Peak	118	215
5	5860.00	48.25	54.00	-5.75	40.23	8.02	Average	118	215
6	5860.00	59.43	74.00	-14.57	51.41	8.02	Peak	118	215
7	11570.00	49.89	54.00	-4.11	32.60	17.29	Average	272	189
8	11570.00	62.99	74.00	-11.01	45.70	17.29	Peak	272	189
9	17355.00	53.55	54.00	-0.45	34.19	19.36	Average	233	112
10	17355.00	67.98	74.00	-6.02	48.62	19.36	Peak	233	112

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	3



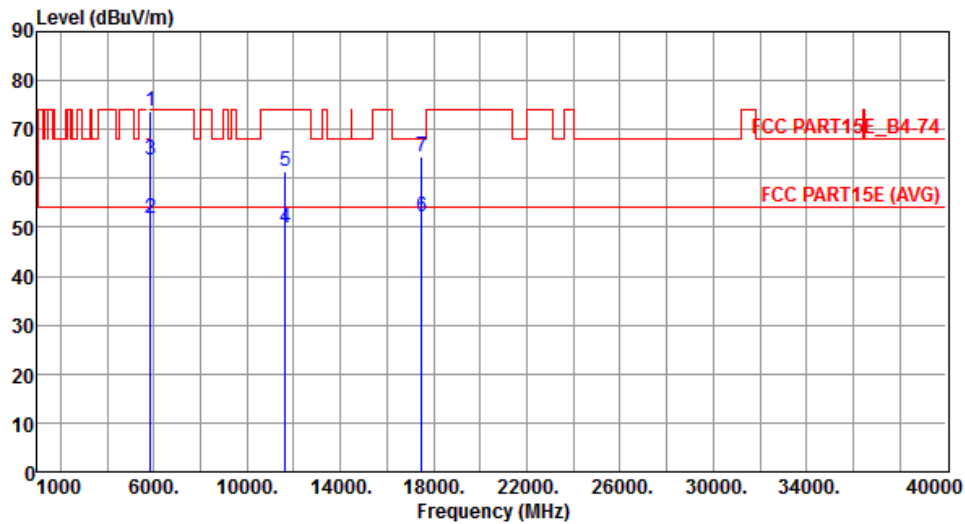
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.68	54.00	-5.32	41.04	7.64	Average	150	198
2	5715.00	59.73	74.00	-14.27	52.09	7.64	Peak	150	198
3	5725.00	63.85	78.20	-14.35	56.17	7.68	Peak	150	198
4	5850.00	60.67	78.20	-17.53	52.67	8.00	Peak	150	198
5	5860.00	48.32	54.00	-5.68	40.30	8.02	Average	150	198
6	5860.00	58.70	74.00	-15.30	50.68	8.02	Peak	150	198
7	11570.00	49.19	54.00	-4.81	31.90	17.29	Average	324	140
8	11570.00	60.75	74.00	-13.25	43.46	17.29	Peak	324	140
9	17355.00	53.85	54.00	-0.15	34.49	19.36	Average	153	170
10	17355.00	68.21	74.00	-5.79	48.85	19.36	Peak	153	170

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	3



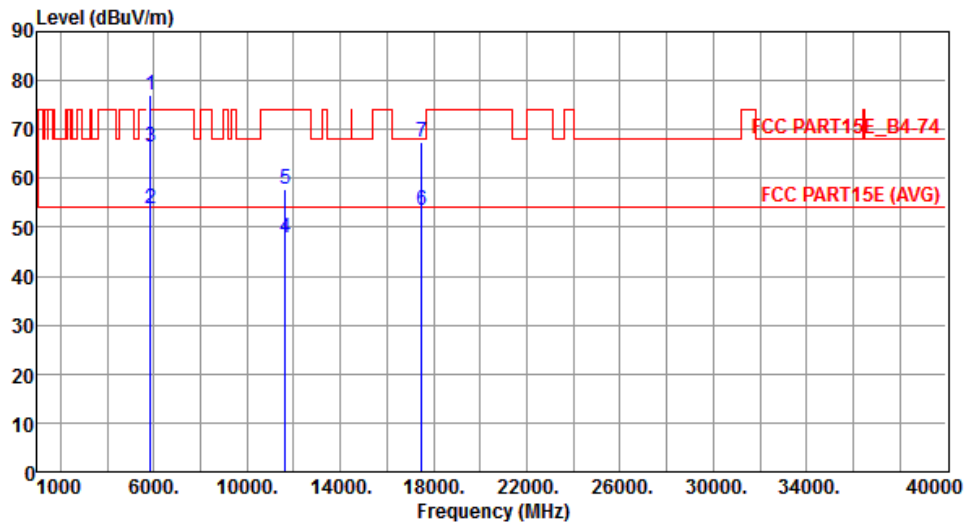
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	73.85	78.20	-4.35	65.85	8.00	Peak	100	36
2	5860.00	51.88	54.00	-2.12	43.86	8.02	Average	100	36
3	5860.00	63.79	74.00	-10.21	55.77	8.02	Peak	100	36
4	11650.00	49.71	54.00	-4.29	32.53	17.18	Average	202	101
5	11650.00	61.28	74.00	-12.72	44.10	17.18	Peak	202	101
6	17475.00	52.17	54.00	-1.83	32.67	19.50	Average	201	124
7	17475.00	64.39	74.00	-9.61	44.89	19.50	Peak	201	124

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT20	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.94	78.20	-1.26	68.94	8.00	Peak	176	260
2	5860.00	53.86	54.00	-0.14	45.84	8.02	Average	176	260
3	5860.00	66.55	74.00	-7.45	58.53	8.02	Peak	176	260
4	11650.00	47.93	54.00	-6.07	30.75	17.18	Average	131	195
5	11650.00	57.71	74.00	-16.29	40.53	17.18	Peak	131	195
6	17475.00	53.62	54.00	-0.38	34.12	19.50	Average	254	143
7	17475.00	67.54	74.00	-6.46	48.04	19.50	Peak	254	143

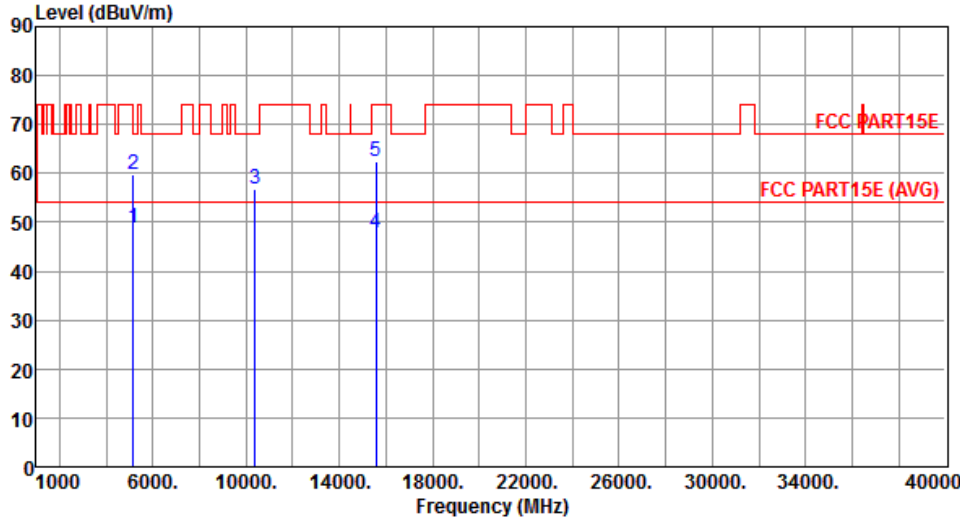
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.5.15 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

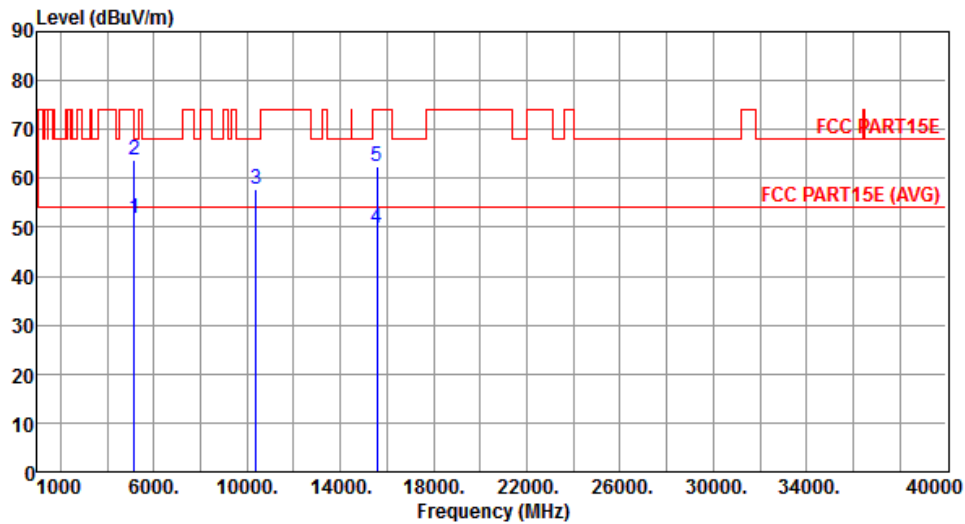
Modulation	HT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.78	54.00	-5.22	42.47	6.31	Average	138	325
2	5150.00	59.80	74.00	-14.20	53.49	6.31	Peak	138	325
3	10380.00	56.90	68.20	-11.30	40.53	16.37	Peak	144	152
4	15570.00	47.75	54.00	-6.25	30.32	17.43	Average	162	163
5	15570.00	62.59	74.00	-11.41	45.16	17.43	Peak	162	163

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	3



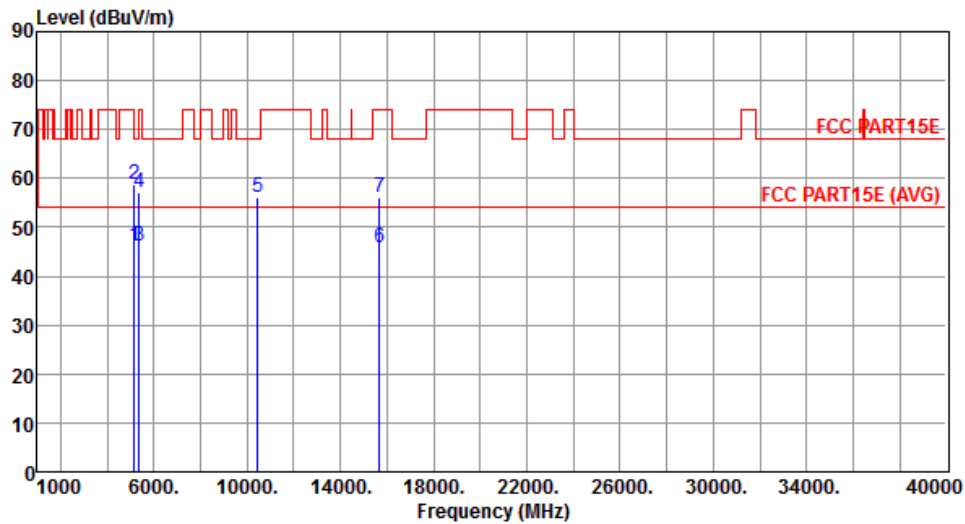
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.66	54.00	-2.34	45.35	6.31	Average	148	240
2	5150.00	63.89	74.00	-10.11	57.58	6.31	Peak	148	240
3	10380.00	57.91	68.20	-10.29	41.54	16.37	Peak	162	344
4	15570.00	49.85	54.00	-4.15	32.42	17.43	Average	182	156
5	15570.00	62.59	74.00	-11.41	45.16	17.43	Peak	182	156

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	3



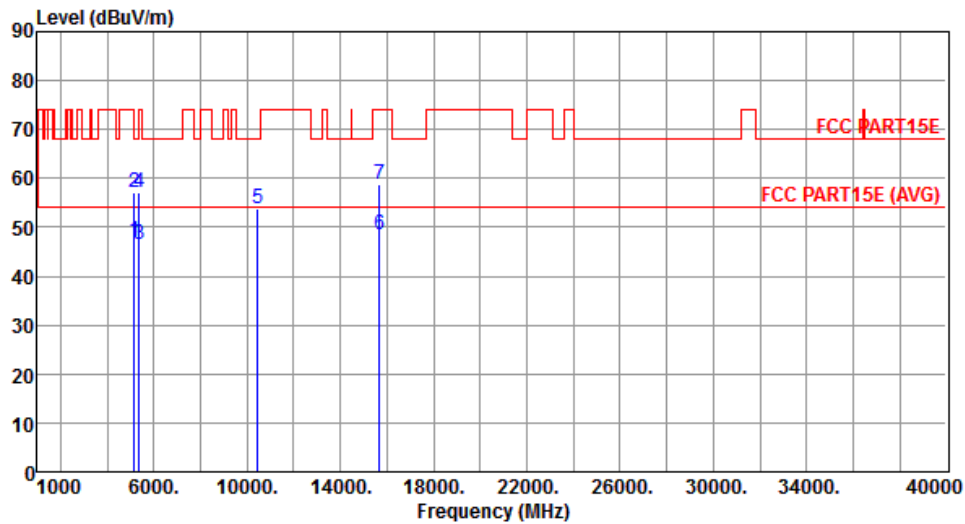
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.28	54.00	-7.72	39.97	6.31	Average	290	37
2	5150.00	58.66	74.00	-15.34	52.35	6.31	Peak	290	37
3	5350.00	46.10	54.00	-7.90	39.48	6.62	Average	290	37
4	5350.00	57.20	74.00	-16.80	50.58	6.62	Peak	290	37
5	10460.00	56.00	68.20	-12.20	39.26	16.74	Peak	290	37
6	15690.00	45.87	54.00	-8.13	28.29	17.58	Average	249	206
7	15690.00	56.20	74.00	-17.80	38.62	17.58	Peak	249	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	HT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	3



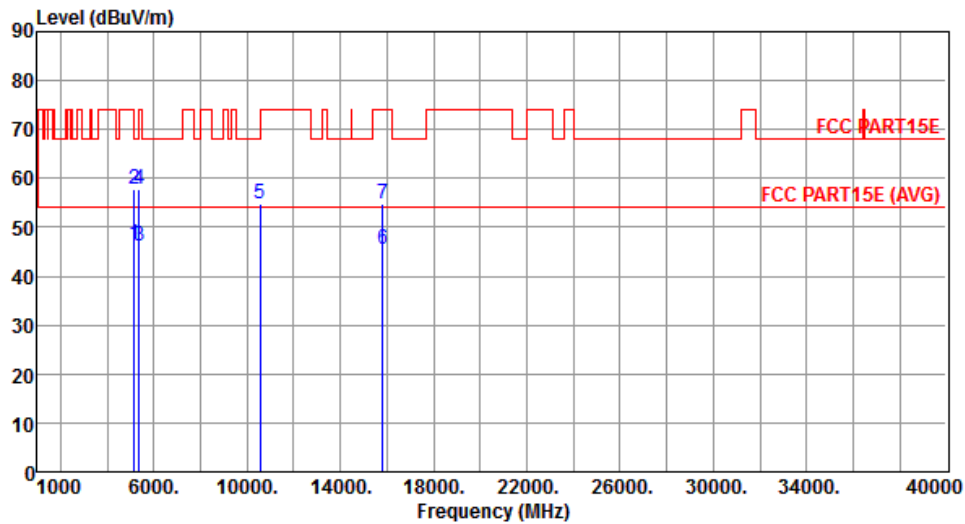
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.10	54.00	-6.90	40.79	6.31	Average	222	267
2	5150.00	57.23	74.00	-16.77	50.92	6.31	Peak	222	267
3	5350.00	46.60	54.00	-7.40	39.98	6.62	Average	222	267
4	5350.00	57.05	74.00	-16.95	50.43	6.62	Peak	222	267
5	10460.00	53.84	68.20	-14.36	37.31	16.53	Peak	215	317
6	15690.00	48.49	54.00	-5.51	31.27	17.22	Average	210	140
7	15690.00	58.82	74.00	-15.18	41.60	17.22	Peak	210	140

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Horizontal	Test Configuration	3



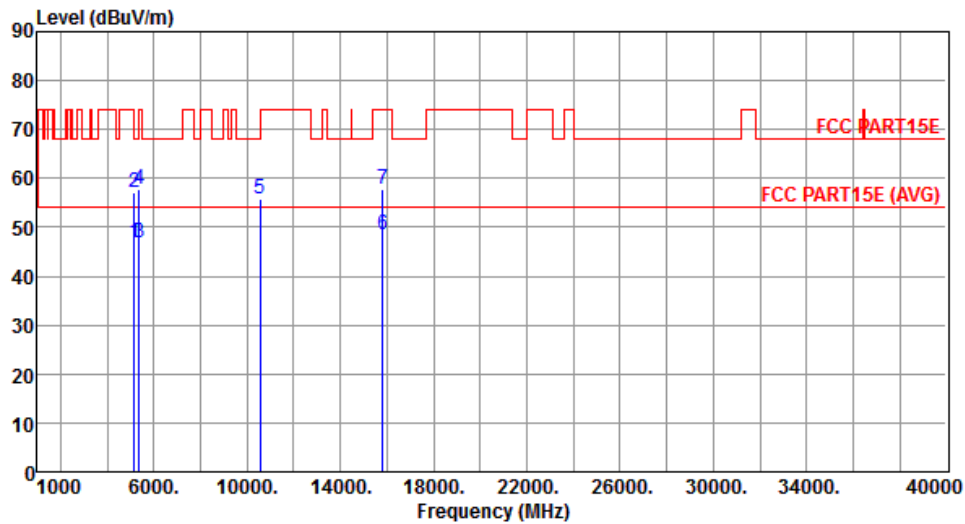
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.56	54.00	-7.44	40.25	6.31	Average	155	217
2	5150.00	57.89	74.00	-16.11	51.58	6.31	Peak	155	217
3	5350.00	46.13	54.00	-7.87	39.51	6.62	Average	155	217
4	5350.00	57.82	74.00	-16.18	51.20	6.62	Peak	155	217
5	10540.00	54.79	68.20	-13.41	38.19	16.60	Peak	139	248
6	15810.00	45.36	54.00	-8.64	28.38	16.98	Average	303	171
7	15810.00	54.85	74.00	-19.15	37.87	16.98	Peak	303	171

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5270
Polarization	Vertical	Test Configuration	3



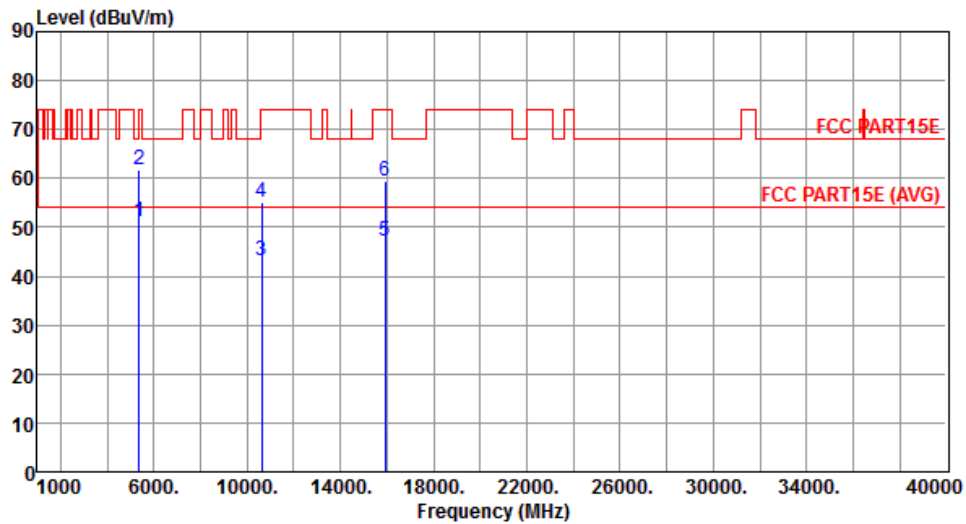
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.76	54.00	-7.24	40.45	6.31	Average	208	269
2	5150.00	57.22	74.00	-16.78	50.91	6.31	Peak	208	269
3	5350.00	46.92	54.00	-7.08	40.30	6.62	Average	208	269
4	5350.00	57.89	74.00	-16.11	51.27	6.62	Peak	208	269
5	10540.00	55.74	68.20	-12.46	39.14	16.60	Peak	239	227
6	15810.00	48.40	54.00	-5.60	31.42	16.98	Average	255	143
7	15810.00	57.78	74.00	-16.22	40.80	16.98	Peak	255	143

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Horizontal	Test Configuration	3



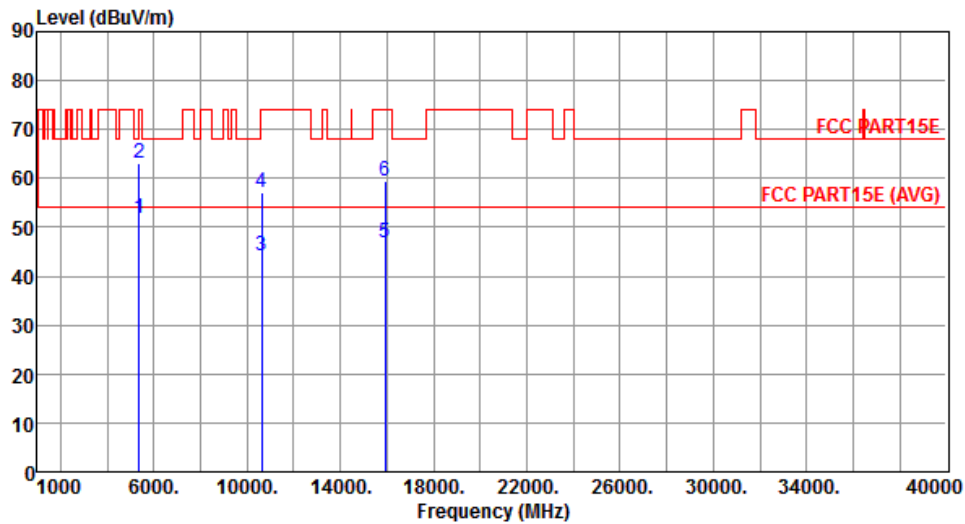
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.08	54.00	-2.92	44.46	6.62	Average	147	217
2	5350.00	61.79	74.00	-12.21	55.17	6.62	Peak	147	217
3	10620.00	43.14	54.00	-10.86	26.52	16.62	Average	155	148
4	10620.00	55.17	74.00	-18.83	38.55	16.62	Peak	155	148
5	15930.00	47.10	54.00	-6.90	30.33	16.77	Average	172	212
6	15930.00	59.45	74.00	-14.55	42.68	16.77	Peak	172	212

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5310
Polarization	Vertical	Test Configuration	3



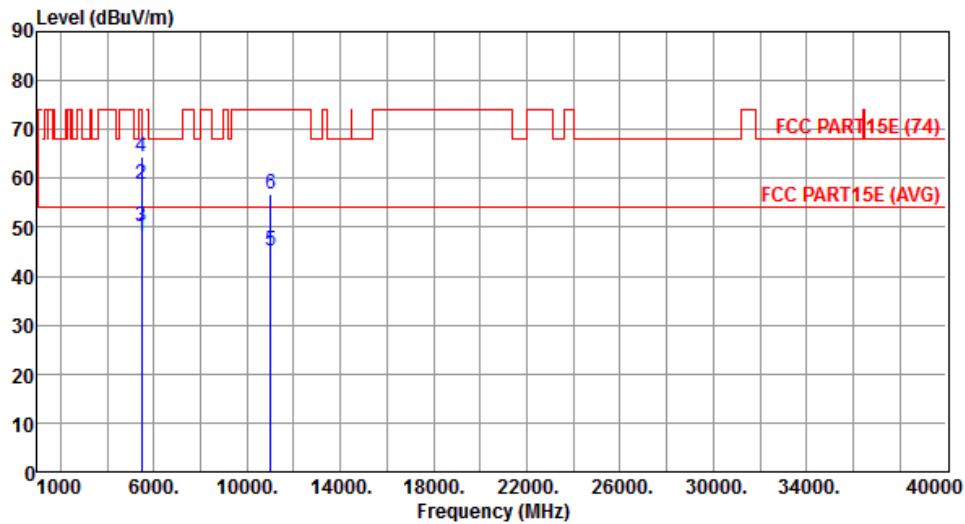
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.76	54.00	-2.24	45.14	6.62	Average	212	257
2	5350.00	63.02	74.00	-10.98	56.40	6.62	Peak	212	257
3	10620.00	44.19	54.00	-9.81	27.57	16.62	Average	156	218
4	10620.00	56.98	74.00	-17.02	40.36	16.62	Peak	156	218
5	15930.00	46.88	54.00	-7.12	30.11	16.77	Average	144	163
6	15930.00	59.29	74.00	-14.71	42.52	16.77	Peak	144	163

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5510
Polarization	Horizontal	Test Configuration	3



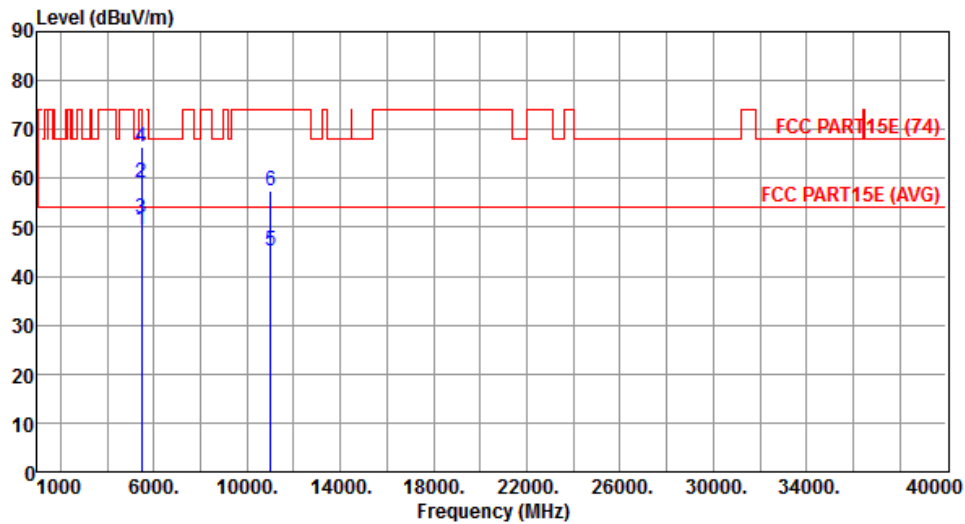
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.09	54.00	-5.91	41.33	6.76	Average	128	37
2	5460.00	58.63	74.00	-15.37	51.87	6.76	Peak	128	37
3	5470.00	50.08	54.00	-3.92	43.31	6.77	Average	128	37
4	5470.00	64.42	74.00	-9.58	57.65	6.77	Peak	128	37
5	11020.00	45.15	54.00	-8.85	28.42	16.73	Average	153	222
6	11020.00	56.87	74.00	-17.13	40.14	16.73	Peak	153	222

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5510
Polarization	Vertical	Test Configuration	3



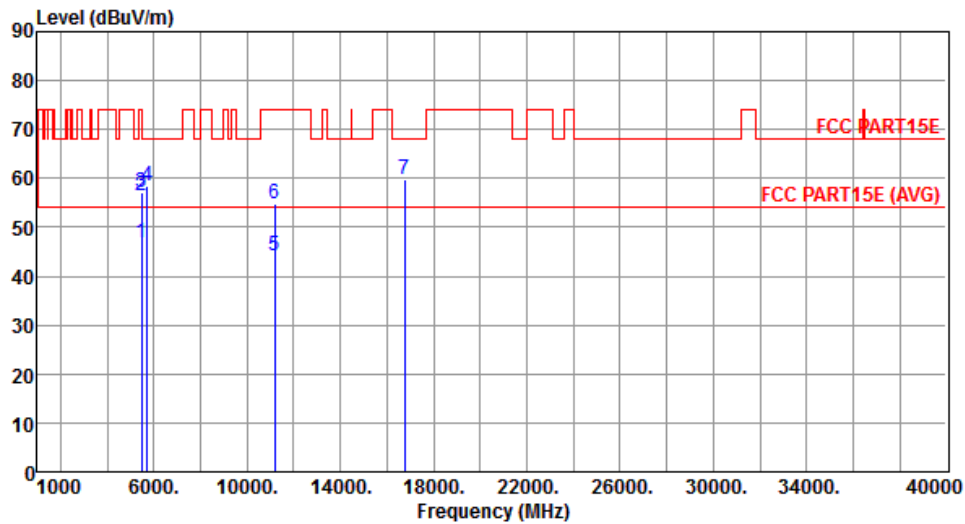
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.52	54.00	-4.48	42.76	6.76	Average	188	256
2	5460.00	59.21	74.00	-14.79	52.45	6.76	Peak	188	256
3	5470.00	51.83	54.00	-2.17	45.06	6.77	Average	188	256
4	5470.00	66.30	74.00	-7.70	59.53	6.77	Peak	188	256
5	11020.00	45.04	54.00	-8.96	28.31	16.73	Average	162	156
6	11020.00	57.48	74.00	-16.52	40.75	16.73	Peak	162	156

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	3



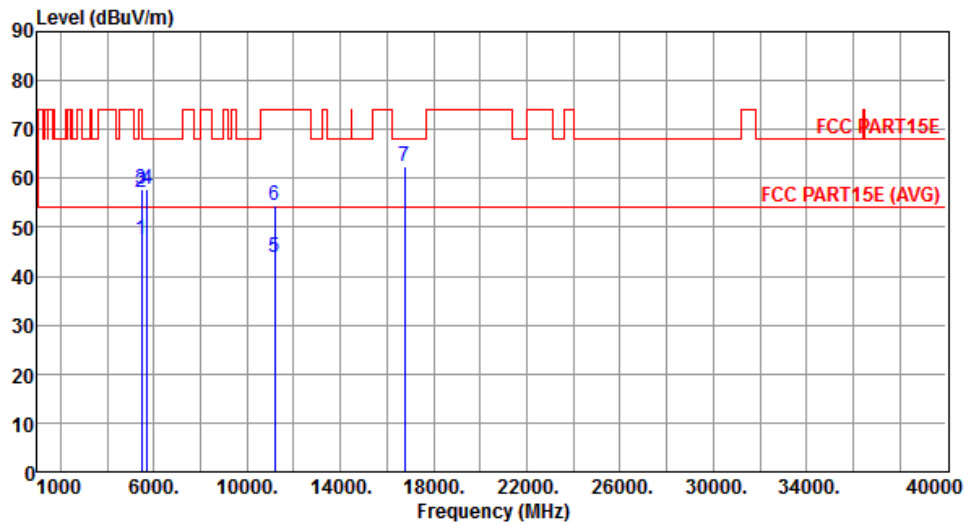
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.94	54.00	-7.06	40.18	6.76	Average	141	227
2	5460.00	56.55	74.00	-17.45	49.79	6.76	Peak	141	227
3	5470.00	56.96	68.20	-11.24	50.19	6.77	Peak	141	227
4	5725.00	58.31	68.20	-9.89	51.07	7.24	Peak	141	227
5	11180.00	44.16	54.00	-9.84	27.37	16.79	Average	184	194
6	11180.00	54.65	74.00	-19.35	37.86	16.79	Peak	184	194
7	16770.00	59.82	68.20	-8.38	41.35	18.47	Peak	299	114

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5590
Polarization	Vertical	Test Configuration	3



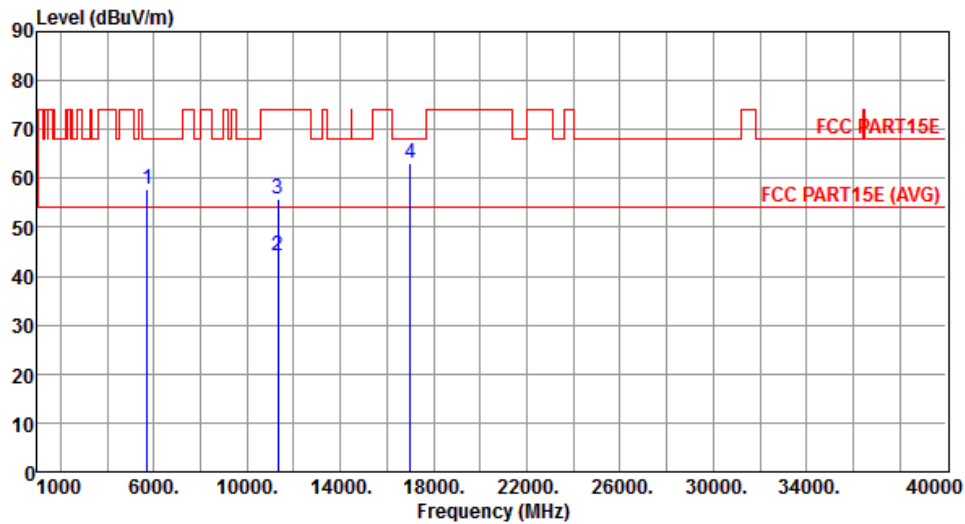
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.40	54.00	-6.60	40.64	6.76	Average	210	138
2	5460.00	57.27	74.00	-16.73	50.51	6.76	Peak	210	138
3	5470.00	57.64	68.20	-10.56	50.87	6.77	Peak	210	138
4	5725.00	57.94	68.20	-10.26	50.70	7.24	Peak	213	264
5	11180.00	43.89	54.00	-10.11	27.10	16.79	Average	108	314
6	11180.00	54.51	74.00	-19.49	37.72	16.79	Peak	108	314
7	16770.00	62.54	68.20	-5.66	44.07	18.47	Peak	210	138

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5670
Polarization	Horizontal	Test Configuration	3



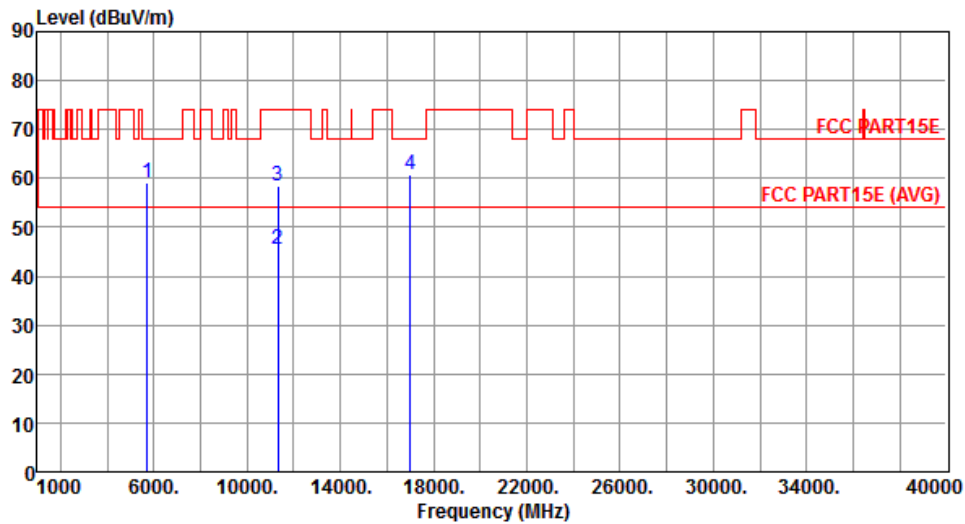
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	57.80	68.20	-10.40	50.56	7.24	Peak	128	36
2	11340.00	44.12	54.00	-9.88	27.27	16.85	Average	152	144
3	11340.00	55.83	74.00	-18.17	38.98	16.85	Peak	152	144
4	17010.00	63.15	68.20	-5.05	44.16	18.99	Peak	152	144

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5670
Polarization	Vertical	Test Configuration	3



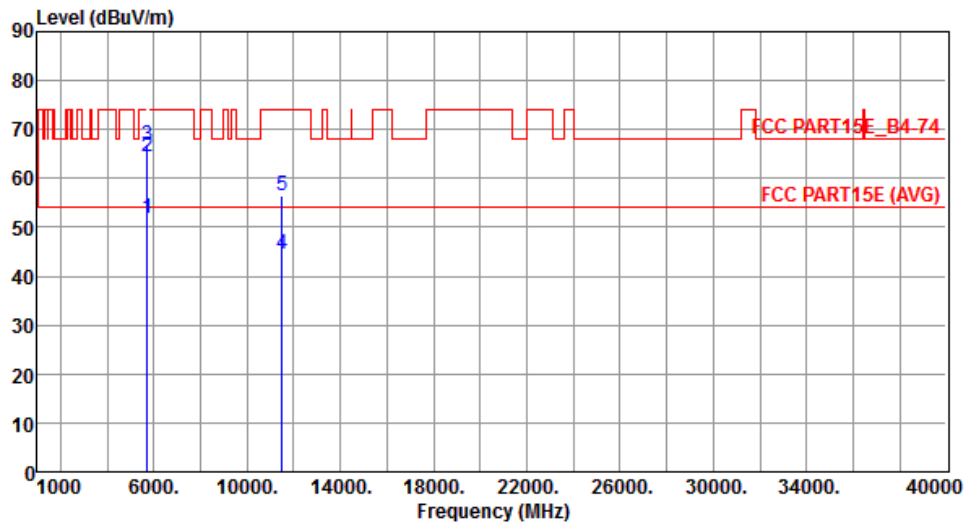
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	59.00	68.20	-9.20	51.76	7.24	Peak	199	259
2	11340.00	45.51	54.00	-8.49	28.66	16.85	Average	185	216
3	11340.00	58.34	74.00	-15.66	41.49	16.85	Peak	185	216
4	17010.00	60.84	68.20	-7.36	41.85	18.99	Peak	196	318

Note 1: Emission Level (dBUV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	3



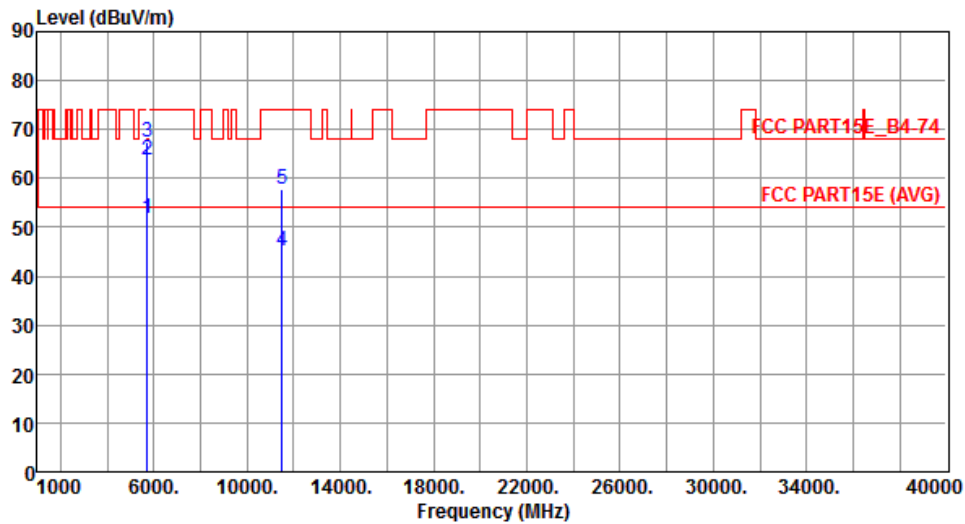
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.66	54.00	-2.34	44.46	7.20	Average	120	34
2	5715.00	64.28	74.00	-9.72	57.08	7.20	Peak	120	34
3	5725.00	66.82	78.20	-11.38	59.58	7.24	Peak	120	34
4	11510.00	44.56	54.00	-9.44	27.66	16.90	Average	164	200
5	11510.00	56.58	74.00	-17.42	39.68	16.90	Peak	164	200

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	3



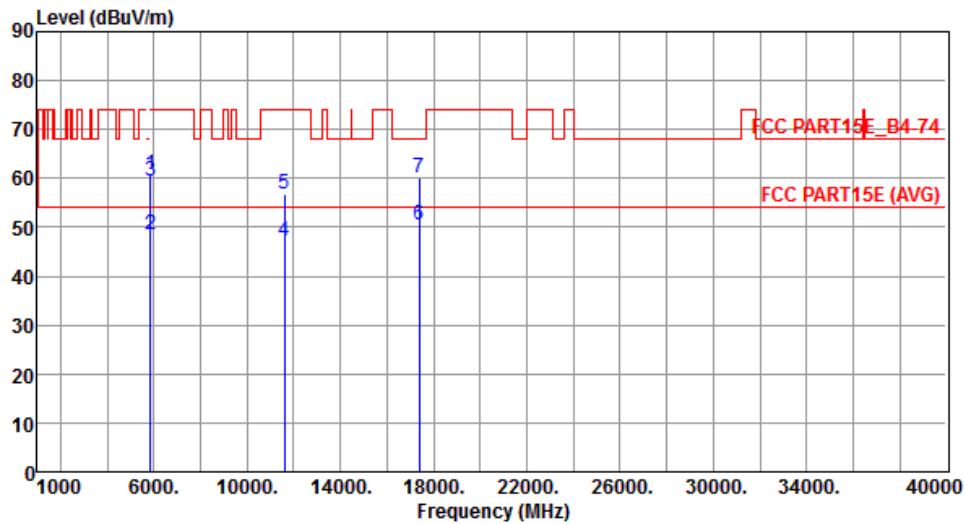
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.75	54.00	-2.25	44.55	7.20	Average	178	267
2	5715.00	63.90	74.00	-10.10	56.70	7.20	Peak	178	267
3	5725.00	67.46	78.20	-10.74	60.22	7.24	Peak	178	267
4	11510.00	45.31	54.00	-8.69	28.41	16.90	Average	152	168
5	11510.00	57.62	74.00	-16.38	40.72	16.90	Peak	152	168

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	3



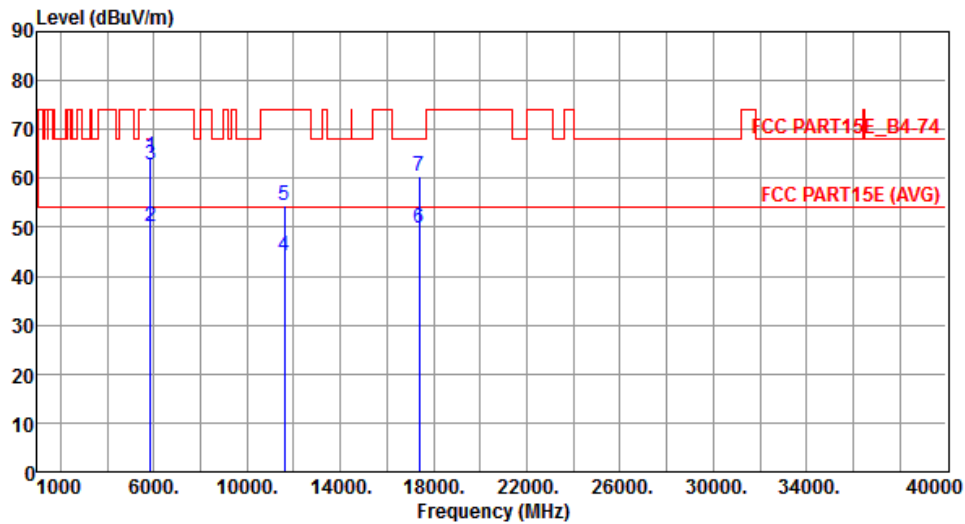
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	60.83	78.20	-17.37	53.33	7.50	Peak	128	36
2	5860.00	48.39	54.00	-5.61	40.88	7.51	Average	128	36
3	5860.00	59.34	74.00	-14.66	51.83	7.51	Peak	128	36
4	11590.00	47.32	54.00	-6.68	30.56	16.76	Average	235	109
5	11590.00	56.77	74.00	-17.23	40.01	16.76	Peak	235	109
6	17385.00	50.44	54.00	-3.56	30.90	19.54	Average	180	125
7	17385.00	60.18	74.00	-13.82	40.64	19.54	Peak	180	125

Note 1: Emission Level (dBuV/m) = SA Reading (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	HT40	Test Freq. (MHz)	5795
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	64.53	78.20	-13.67	57.03	7.50	Peak	148	260
2	5860.00	50.23	54.00	-3.77	42.72	7.51	Average	148	260
3	5860.00	62.62	74.00	-11.38	55.11	7.51	Peak	148	260
4	11590.00	44.08	54.00	-9.92	27.32	16.76	Average	169	38
5	11590.00	54.32	74.00	-19.68	37.56	16.76	Peak	169	38
6	17385.00	49.91	54.00	-4.09	30.37	19.54	Average	256	183
7	17385.00	60.29	74.00	-13.71	40.75	19.54	Peak	256	183

Note 1: Emission Level (dBUV/m) = SA Reading (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

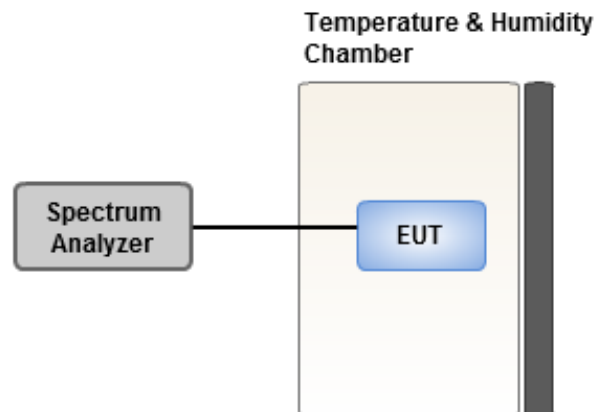
3.6.1 Limit of Frequency Stability

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 -40 to 85 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	5.33	5.39	5.79	5.69
T20°C Vmin	4.23	4.37	4.59	4.64
T85°C Vnom	4.09	4.00	4.79	4.08
T80°C Vnom	3.82	4.55	3.66	3.72
T70°C Vnom	2.56	2.70	3.16	3.10
T60°C Vnom	2.49	2.70	2.72	2.79
T50°C Vnom	2.57	3.20	2.42	3.19
T40°C Vnom	3.40	3.67	4.12	3.79
T30°C Vnom	1.54	2.13	1.66	1.29
T20°C Vnom	0.78	0.84	1.08	0.67
T10°C Vnom	0.51	0.21	0.79	0.66
T0°C Vnom	0.03	-0.42	0.13	0.55
T-10°C Vnom	0.16	0.54	0.24	0.70
T-20°C Vnom	0.11	0.87	0.73	0.35
T-30°C Vnom	0.48	0.80	1.26	0.37
T-40°C Vnom	3.24	2.88	3.48	3.28
Vnom [Vdc]: 3.3		Vmax [Vdc]: 3.795		Vmin [Vdc]: 2.805
Tnom [°C]: 20		Tmax [°C]: 85		Tmin [°C]: -40

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	5.40	5.74	5.42	5.31
T20°CVmin	4.06	3.71	4.12	3.92
T85°CVnom	3.80	3.80	3.68	3.63
T80°CVnom	3.62	3.54	3.96	3.15
T70°CVnom	3.46	3.38	2.29	3.10
T60°CVnom	2.75	2.61	2.68	2.77
T50°CVnom	2.86	2.75	2.65	3.20
T40°CVnom	3.60	4.36	4.00	3.98
T30°CVnom	1.97	2.29	2.02	1.98
T20°CVnom	0.92	0.32	0.64	0.25
T10°CVnom	1.01	1.14	0.88	1.62
T0°CVnom	0.37	0.73	0.32	0.21
T-10°CVnom	0.38	0.66	1.00	0.56
T-20°CVnom	1.50	0.69	1.07	1.23
T-30°CVnom	0.38	0.77	0.67	0.50
T-40°CVnom	3.06	3.39	3.31	2.70
Vnom [Vdc]: 3.3	Vmax [Vdc]: 3.795		Vmin [Vdc]: 2.805	
Tnom [°C]: 20	Tmax [°C]: 85		Tmin [°C]: -40	

4 Test laboratory information

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

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

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

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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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