



International Certification Corp.

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

Tel: 886-3-271-8666

Fax: 886-3-318-0155

FCC Test Report

FCC ID : PY313200228
Equipment : 802.11abgn ac Dual Band Wireless-N Adapter
Model No. : A6100
Brand Name : NETGEAR
Applicant : NETGEAR, Inc.
Address : 350 East Plumeria Drive, San Jose, California
95134, USA
Standard : 47 CFR FCC Part 15.407
Received Date : May 08, 2013
Tested Date : Jun 26 ~ Jun 28, 2013

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

Approved & Reviewed by:


Gary Chang / Manager





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Release Record

Report No.	Version	Description	Issued Date
FR350802AN	Rev. 01	Initial issue	Jul 08, 2013



Summary of Test Results

FCC Rules	Test Items	Measured	Result	
15.207	Conducted Emissions	[dBuV]: 0.179MHz 50.72 (Margin 13.83dB) - QP	Pass	
15.407(b)(1)(2)(3) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5150MHz 47.81 (Margin 6.19dB) - AV	Pass	
15.407(a)(1)(2)(3)	Emission Bandwidth	Meet the requirement of limit	Pass	
15.407(a)(1)(2)(3)	RF Output Power	Power [dBm]:	Pass	
		5150~5250 MHz		5250~5350 MHz
		11a: 16.08 HT20: 16.04 HT40: 16.03 VHT20: 16.05 VHT40: 16.06 VHT80: 16.03	11a: 16.42 HT20: 16.28 HT40: 16.08 VHT20: 16.34 VHT40: 16.14 VHT80: 16.12	11a: 18.11 HT20: 18.06 HT40: 18.21 VHT20: 18.09 VHT40: 18.25 VHT80: 16.81
15.407(a)(1)(2)(3)	Peak Power Spectral Density	Meet the requirement of limit	Pass	
15.407(a)(6)	Peak Excursion	Meet the requirement of limit	Pass	
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass	
15.203	Antenna Requirement	Meet the requirement of limit	Pass	



1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
IEEE Std. 802.11	Frequency Range (MHz)	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
a	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	6-54 Mbps
n (HT20)	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	MCS 0-7
ac (VHT20)	5150-5250 5250-5350 5470-5725	5180-5240 5260-5320 5500-5700	36-48 [4] 52-64 [4] 100-140 [8]	1	MCS 0-9
n (HT40)	5150-5250 5250-5350 5470-5725	5190-5230 5270-5310 5510-5670	38-46 [2] 54-62 [2] 102-134 [3]	1	MCS 0-7
ac (VHT40)	5150-5250 5250-5350 5470-5725	5190-5230 5270-5310 5510-5670	38-46 [2] 54-62 [2] 102-134 [3]	1	MCS 0-9
ac (VHT80)	5150-5250 5250-5350 5470-5725	5210 5290 5530	42 [1] 58 [1] 106 [1]	1	MCS 0-9

Note 1: RF output power specifies that Maximum Conducted Output Power.

Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

1.1.2 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Frequency Range
1	PIFA	2	---	2.4GHz
2	PIFA	4	---	5GHz



1.1.3 EUT Operational Condition

Supply Voltage	<input type="checkbox"/> AC mains	<input checked="" type="checkbox"/> DC	
Type of DC Source	<input type="checkbox"/> Internal DC supply	<input type="checkbox"/> External DC adapter	<input checked="" type="checkbox"/> 5Vdc from Host
Operational Voltage	<input checked="" type="checkbox"/> Vnom (110 V)	<input checked="" type="checkbox"/> Vmax (126.5V)	<input checked="" type="checkbox"/> Vmin (93.5 V)
Operational Climatic	<input checked="" type="checkbox"/> Tnom (20°C)	<input checked="" type="checkbox"/> Tmax (55°C)	<input checked="" type="checkbox"/> Tmin (-30°C)

1.1.4 Accessories

N/A

1.1.5 Channel List

802.11 a / n HT20 / ac VHT20		802.11n HT40 / ac VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	134	5670
64	5320	802.11ac VHT 80	
100	5500	42	5210
104	5520	58	5290
108	5540	106	5530
112	5560	-	-
116	5580	-	-
132	5660	-	-
136	5680	-	-
140	5700	-	-



1.1.6 Test Tool and Duty Cycle

Test Tool	MPTool, V41		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	91.97%	0.36
	HT20	93.83%	0.28
	HT40	79.89%	0.97
	VHT20	92.95%	0.32
	VHT40	83.42%	0.79
	VHT80	68.02%	1.67

1.1.7 Power Setting

Channel	Frequency(MHz)	11a	HT20	VHT20
CH 36	5180	34	34	34
CH 40	5200	33	33	33
CH 48	5240	33	33	33
CH 52	5260	33	32	32
CH 60	5300	33	31	31
CH 64	5320	31	29	29
CH 100	5500	32	30	30
CH 116	5580	30	30	30
CH 140	5700	31	29	29

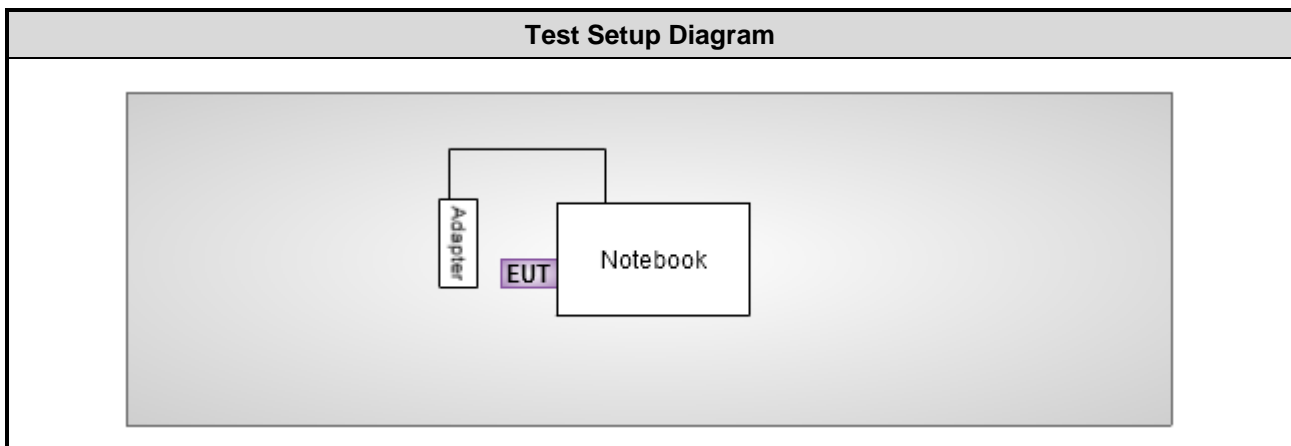
Channel	Frequency(MHz)	HT40	VHT40	VHT80
CH 38	5190	34	34	-
CH 46	5230	33	33	-
CH 54	5270	32	32	-
CH 62	5310	30	30	-
CH 102	5510	30	30	-
CH 110	5550	30	30	-
CH 134	5670	30	30	-
CH 42	5210	-	-	34
CH 58	5290	-	-	33
CH 106	5530	-	-	28



1.2 Local Support Equipment List

Support Equipment List						
No.	Equipment	Brand	Model	S/N	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	E5420	---	---	---

1.3 Test Setup Chart





1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
EMC Receiver	R&S	ESCS 30	100169	Oct. 02, 2012	Oct. 01, 2013
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Dec. 04, 2012	Dec. 03, 2013
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2012	Dec. 03, 2013
ISN	TESEQ	ISN T800	34406	Apr. 08, 2013	Apr. 07, 2014
ISN	TESEQ	ISN T200A	30494	Apr. 09, 2013	Apr. 08, 2014
ISN	TESEQ	ISN T8-Cat6	27262	Sep. 17, 2012	Sep. 16, 2013
ISN	TESEQ	ISN ST08	22589	Jan. 24, 2013	Jan. 23, 2014
RF Current Probe	FCC	F-33-4	121630	Dec. 04, 2012	Dec. 03, 2013
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 25, 2012	Dec. 24, 2013
ESH3-Z6 V-Network(+)	R&S	ESH3-Z6	100920	Nov. 21, 2012	Nov. 20, 2013
ESH3-Z6 V-Network(-)	R&S	ESH3-Z6	100951	Jan. 30, 2013	Jan. 29, 2014
Two-Line V-Network	R&S	ENV216	101579	Jan. 07, 2013	Jan. 06, 2014
50 ohm terminal	NA	50	01	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	02	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	03	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal (Support Unit)	NA	50	04	Apr. 22, 2013	Apr. 21, 2014

Note: Calibration Interval of instruments listed above is one year.

Test Item	Radiated Emission above 1GHz				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
3m semi-anechoic chamber	CHAMPRO	SAC-03	03CH01-WS	Jan. 04, 2013	Jan. 03, 2014
Spectrum Analyzer	R&S	FSV40	101498	Jan. 24, 2013	Jan. 23, 2014
Receiver	ROHDE&SCHWARZ	ESR3	101658	Jan. 28, 2013	Jan. 27, 2014
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 11, 2013	Jan. 10, 2014
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 18, 2013	Feb. 17, 2014
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Jan. 14, 2013	Jan. 13, 2014
Amplifier	Burgeon	BPA-530	100219	Nov. 28, 2012	Nov. 27, 2013
Amplifier	Agilent	83017A	MY39501308	Dec. 18, 2012	Dec. 17, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R03m	Woken	CFD400NL-LW	CFD400NL-001	Dec. 25, 2012	Dec. 24, 2013

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Test Item	Radiated Emission above 1GHz				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
RF Cable-R10m	Woken	CFD400NL-LW	CFD400NL-002	Dec. 25, 2012	Dec. 24, 2013
control	EM Electronics	EM1000	60612	N/A	N/A
Note: Calibration Interval of instruments listed above is one year.					

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

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV 40	101063	Feb. 18, 2013	Feb. 17, 2014
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 29, 2012	Nov. 28, 2013
Power Meter	Anritsu	ML2495A	1241002	Oct. 15, 2012	Oct. 14, 2013
Power Sensor	Anritsu	MA2411B	1027366	Oct. 24, 2012	Oct. 23, 2013
Signal Generator	R&S	SMB100A	175727	Jan. 14, 2013	Jan. 13, 2014
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	Mar. 13, 2013	Mar. 12, 2014
Wideband Radio Communication Tester	R&S	CMW500	106070	Jan. 29, 2013	Jan. 28, 2014
Bluetooth Tester	R&S	CBT	100959	Jan. 09, 2013	Jan. 08, 2014
MXG-B RF Vector Signal Generator	Agilent	N5182B	MY53050081	Apr. 19, 2013	Apr. 18, 2014
Note: Calibration Interval of instruments listed above is one year.					



1.5 Testing Applied Standards

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

47 CFR FCC Part 15.407

ANSI C63.10-2009

FCC KDB 412172

FCC KDB 789033 D01 General UNII Test procedures v01r03

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

1.6 Measurement Uncertainty

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

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



2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	20°C / 53%	Skys Huang
Radiated Emissions	03CH01-WS	25°C / 65%	Aska Huang
RF Conducted	TH01-WS	25°C / 64%	Brad Wu

➤ FCC site registration No.: 657002

➤ IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test channel
Conducted Emissions Radiated Emissions <1GHz	11a	5240
RF Output Power	11a HT20 HT40 VHT20 VHT40 VHT80	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230 / 5270 / 5310 / 5510 / 5550 / 5670 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230 / 5270 / 5310 / 5510 / 5550 / 5670 5210 / 5290 / 5530
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a VHT20 VHT40 VHT80	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 5190 / 5230 / 5270 / 5310 / 5510 / 5550 / 5670 5210 / 5290 / 5530
Peak Excursion	11a VHT20 VHT40 VHT80	5240 / 5300 / 5700 5240 / 5300 / 5700 5230 / 5270 / 5670 5210 / 5290 / 5530
Frequency Stability	Un-modulation	5320



3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

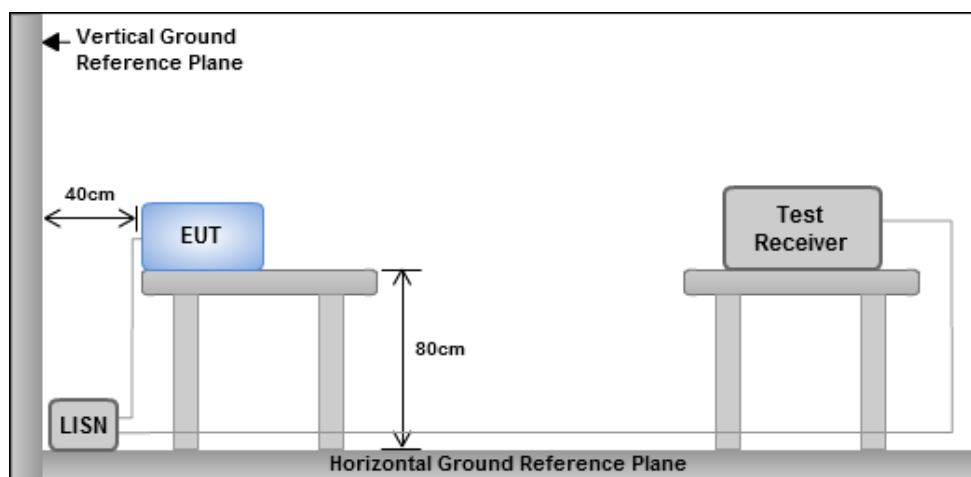
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

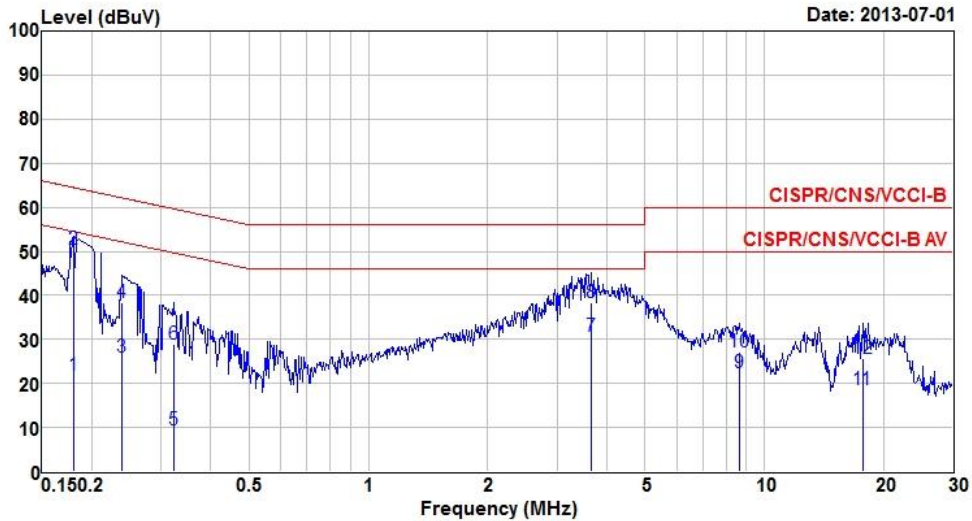


3.1.4 Test Result of Conducted Emissions

Power Phase	Line	Test Freq. (MHz)	5240																																																																																																																					
Test Mode	AC power & Radio link (11a)																																																																																																																							
Date: 2013-07-01																																																																																																																								
<p>The graph displays the conducted emission level in dBuV across a frequency range from 0.150.2 MHz to 30 MHz. Two red limit lines are shown: CISPR/CNS/VCCI-B (upper) and CISPR/CNS/VCCI-B AV (lower). The blue test signal fluctuates around a mean level of approximately 30 dBuV, with several peaks exceeding the AV limit line. A table below the graph provides detailed data for 12 specific frequency points.</p>																																																																																																																								
<table border="1"> <thead> <tr> <th></th> <th>Freq MHz</th> <th>Level dBuV</th> <th>Limit Line dBuV</th> <th>Over Limit dB</th> <th>Read Level dBuV</th> <th>LISN factor dB</th> <th>cable loss dB</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.179</td> <td>36.69</td> <td>54.55</td> <td>-17.86</td> <td>36.53</td> <td>0.03</td> <td>0.13</td> <td>Average</td> </tr> <tr> <td>2</td> <td>0.179</td> <td>50.72</td> <td>64.55</td> <td>-13.83</td> <td>50.56</td> <td>0.03</td> <td>0.13</td> <td>QP</td> </tr> <tr> <td>3</td> <td>0.239</td> <td>18.39</td> <td>52.13</td> <td>-33.74</td> <td>18.21</td> <td>0.03</td> <td>0.15</td> <td>Average</td> </tr> <tr> <td>4</td> <td>0.239</td> <td>41.86</td> <td>62.13</td> <td>-20.27</td> <td>41.68</td> <td>0.03</td> <td>0.15</td> <td>QP</td> </tr> <tr> <td>5</td> <td>0.297</td> <td>18.06</td> <td>50.32</td> <td>-32.26</td> <td>17.92</td> <td>0.03</td> <td>0.11</td> <td>Average</td> </tr> <tr> <td>6</td> <td>0.297</td> <td>33.93</td> <td>60.32</td> <td>-26.39</td> <td>33.79</td> <td>0.03</td> <td>0.11</td> <td>QP</td> </tr> <tr> <td>7</td> <td>3.661</td> <td>32.54</td> <td>46.00</td> <td>-13.46</td> <td>32.25</td> <td>0.06</td> <td>0.23</td> <td>Average</td> </tr> <tr> <td>8</td> <td>3.661</td> <td>38.28</td> <td>56.00</td> <td>-17.72</td> <td>37.99</td> <td>0.06</td> <td>0.23</td> <td>QP</td> </tr> <tr> <td>9</td> <td>8.020</td> <td>22.76</td> <td>50.00</td> <td>-27.24</td> <td>22.53</td> <td>0.09</td> <td>0.14</td> <td>Average</td> </tr> <tr> <td>10</td> <td>8.020</td> <td>26.84</td> <td>60.00</td> <td>-33.16</td> <td>26.61</td> <td>0.09</td> <td>0.14</td> <td>QP</td> </tr> <tr> <td>11</td> <td>13.197</td> <td>19.49</td> <td>50.00</td> <td>-30.51</td> <td>19.24</td> <td>0.13</td> <td>0.12</td> <td>Average</td> </tr> <tr> <td>12</td> <td>13.197</td> <td>26.12</td> <td>60.00</td> <td>-33.88</td> <td>25.87</td> <td>0.13</td> <td>0.12</td> <td>QP</td> </tr> </tbody> </table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark	1	0.179	36.69	54.55	-17.86	36.53	0.03	0.13	Average	2	0.179	50.72	64.55	-13.83	50.56	0.03	0.13	QP	3	0.239	18.39	52.13	-33.74	18.21	0.03	0.15	Average	4	0.239	41.86	62.13	-20.27	41.68	0.03	0.15	QP	5	0.297	18.06	50.32	-32.26	17.92	0.03	0.11	Average	6	0.297	33.93	60.32	-26.39	33.79	0.03	0.11	QP	7	3.661	32.54	46.00	-13.46	32.25	0.06	0.23	Average	8	3.661	38.28	56.00	-17.72	37.99	0.06	0.23	QP	9	8.020	22.76	50.00	-27.24	22.53	0.09	0.14	Average	10	8.020	26.84	60.00	-33.16	26.61	0.09	0.14	QP	11	13.197	19.49	50.00	-30.51	19.24	0.13	0.12	Average	12	13.197	26.12	60.00	-33.88	25.87	0.13	0.12	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark																																																																																																																
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5	0.297	18.06	50.32	-32.26	17.92	0.03	0.11	Average																																																																																																																
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7	3.661	32.54	46.00	-13.46	32.25	0.06	0.23	Average																																																																																																																
8	3.661	38.28	56.00	-17.72	37.99	0.06	0.23	QP																																																																																																																
9	8.020	22.76	50.00	-27.24	22.53	0.09	0.14	Average																																																																																																																
10	8.020	26.84	60.00	-33.16	26.61	0.09	0.14	QP																																																																																																																
11	13.197	19.49	50.00	-30.51	19.24	0.13	0.12	Average																																																																																																																
12	13.197	26.12	60.00	-33.88	25.87	0.13	0.12	QP																																																																																																																
<p>Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB). Note 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).</p>																																																																																																																								



Power Phase	Neutral	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link (11a)		



	Freq	Level	Limit	Over	Read	LISN	cable	Remark
	MHz	dBuV	Line	Limit	Level	factor	loss	
			dBuV	dB	dBuV	dB	dB	
1	0.181	21.91	54.46	-32.55	21.75	0.02	0.14	Average
2	0.181	50.35	64.46	-14.11	50.19	0.02	0.14	QP
3	0.238	26.06	52.17	-26.11	25.89	0.02	0.15	Average
4	0.238	38.27	62.17	-23.90	38.10	0.02	0.15	QP
5	0.322	9.35	49.66	-40.31	9.24	0.02	0.09	Average
6	0.322	28.95	59.66	-30.71	28.84	0.02	0.09	QP
7	3.661	30.62	46.00	-15.38	30.34	0.05	0.23	Average
8	3.661	38.27	56.00	-17.73	37.99	0.05	0.23	QP
9	8.637	22.46	50.00	-27.54	22.25	0.08	0.13	Average
10	8.637	27.04	60.00	-32.96	26.83	0.08	0.13	QP
11	17.755	18.61	50.00	-31.39	18.33	0.11	0.17	Average
12	17.755	25.79	60.00	-34.21	25.51	0.11	0.17	QP

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

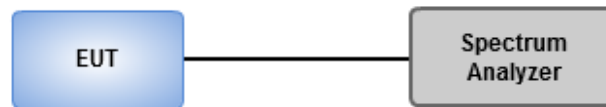


3.2 Emission Bandwidth

3.2.1 Test Procedures

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

3.2.2 Test Setup





3.2.3 Test Result of Emission Bandwidth

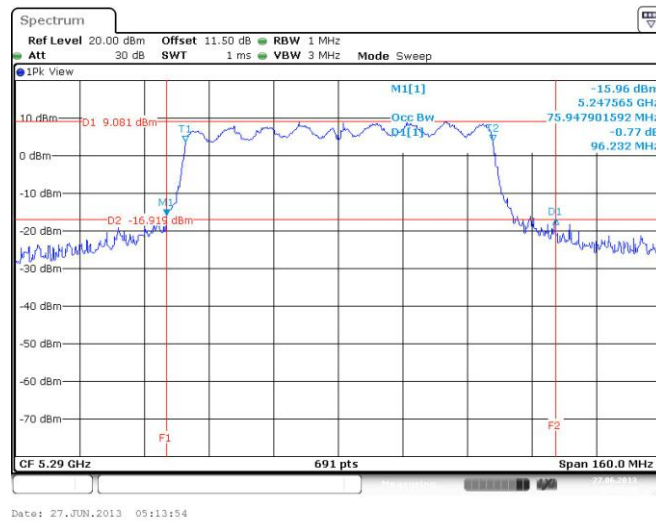
Condition		Emission Bandwidth (MHz)					
N _{TX}	Freq. (MHz)	26dB Bandwidth		99% Bandwidth		Power Limit	
		11a	VHT20	11a	VHT20	26dB BW	99% BW
1	5180	21.57	22.38	16.96	18.00	17	16.29
1	5200	21.86	22.72	17.02	18.06	17	16.31
1	5240	22.20	22.61	17.02	18.06	17	16.31
1	5260	22.20	23.19	17.08	18.06	24	23.32
1	5300	21.97	22.55	17.08	18.06	24	23.32
1	5320	22.32	22.72	17.02	18.00	24	23.31
1	5500	22.43	23.01	17.02	18.12	24	23.31
1	5580	25.51	25.62	17.19	18.23	24	23.35
1	5700	30.49	29.74	18.29	18.29	24	23.62

Condition		Emission Bandwidth (MHz)					
N _{TX}	Freq. (MHz)	26dB Bandwidth		99% Bandwidth		Power Limit	
		VHT40		VHT40		26dB BW	99% BW
1	5190	46.03		37.28		17	17
1	5230	45.91		37.40		17	17
1	5270	46.03		37.28		24	24
1	5310	46.73		37.28		24	24
1	5510	46.73		37.51		24	24
1	5550	48.23		37.63		24	24
1	5670	69.10		37.97		24	24

Condition		Emission Bandwidth (MHz)					
N _{TX}	Freq. (MHz)	26dB Bandwidth		99% Bandwidth		Power Limit	
		VHT80		VHT80		26dB BW	99% BW
1	5210	89.74		75.95		17	17
1	5290	96.23		75.95		24	24
1	5530	85.10		75.95		24	24



Worst Plots





3.3 RF Output Power

3.3.1 Limit of RF Output Power

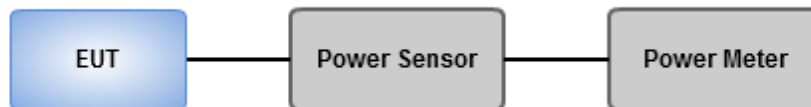
Frequency Band (GHz)	Limit
<input checked="" type="checkbox"/> 5.15~5.25	50mW or 4dBm+10 log B
<input checked="" type="checkbox"/> 5.25~5.35	250mW or 11dBm+10 log B
<input checked="" type="checkbox"/> 5.47~5.725	250mW or 11dBm+10 log B

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

3.3.2 Test Procedures

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

3.3.3 Test Setup





3.3.4 Test Result of Maximum Conducted Output Power

Condition		RF Output Power (dBm)			
N _{TX}	Freq. (MHz)	11a	HT20	VHT20	PowerLimit
1	5180	16.05	16.01	16.02	17
1	5200	16.06	16.02	16.04	17
1	5240	16.08	16.04	16.05	17
1	5260	16.12	16.09	16.11	24
1	5300	16.42	16.28	16.34	24
1	5320	16.25	16.21	16.23	24
1	5500	16.65	16.60	16.62	24
1	5580	17.18	17.14	17.16	24
1	5700	18.11	18.06	18.09	24

Condition		RF Output Power (dBm)		
N _{TX}	Freq. (MHz)	HT40	VHT40	PowerLimit
1	5190	16.01	16.02	17
1	5230	16.03	16.06	17
1	5270	16.08	16.14	24
1	5310	16.06	16.11	24
1	5510	16.82	16.85	24
1	5550	16.86	16.88	24
1	5670	18.21	18.25	24

Condition		RF Output Power (dBm)		
N _{TX}	Freq. (MHz)	VHT80	-	PowerLimit
1	5210	16.03	-	17
1	5290	16.12	-	24
1	5530	16.81	-	24



3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

	Frequency Band (GHz)	Limit (dBm)
<input checked="" type="checkbox"/>	5.15~5.25	4
<input checked="" type="checkbox"/>	5.25~5.35	11
<input checked="" type="checkbox"/>	5.47~5.725	11

3.4.2 Test Procedures

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.

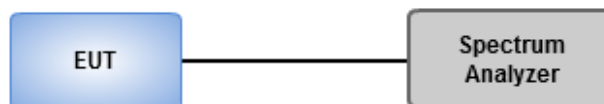
Method SA-2

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

Method SA-2 Alternative

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 * (\text{number of points in sweep}) * (\text{total on/off period of the transmitted signal})$.
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

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	1	5180	3.28	0.36	3.64	4
11a	1	5200	3.44	0.36	3.80	4
11a	1	5240	2.96	0.36	3.32	4
11a	1	5260	3.24	0.36	3.60	11
11a	1	5300	3.08	0.36	3.44	11
11a	1	5320	3.57	0.36	3.93	11
11a	1	5500	4.01	0.36	4.37	11
11a	1	5580	4.70	0.36	5.06	11
11a	1	5700	5.63	0.36	5.99	11

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
VHT20	1	5180	3.21	0.32	3.53	4
VHT20	1	5200	3.54	0.32	3.86	4
VHT20	1	5240	3.38	0.32	3.70	4
VHT20	1	5260	3.65	0.32	3.97	11
VHT20	1	5300	3.35	0.32	3.67	11
VHT20	1	5320	3.62	0.32	3.94	11
VHT20	1	5500	4.20	0.32	4.52	11
VHT20	1	5580	5.18	0.32	5.50	11
VHT20	1	5700	6.29	0.32	6.61	11

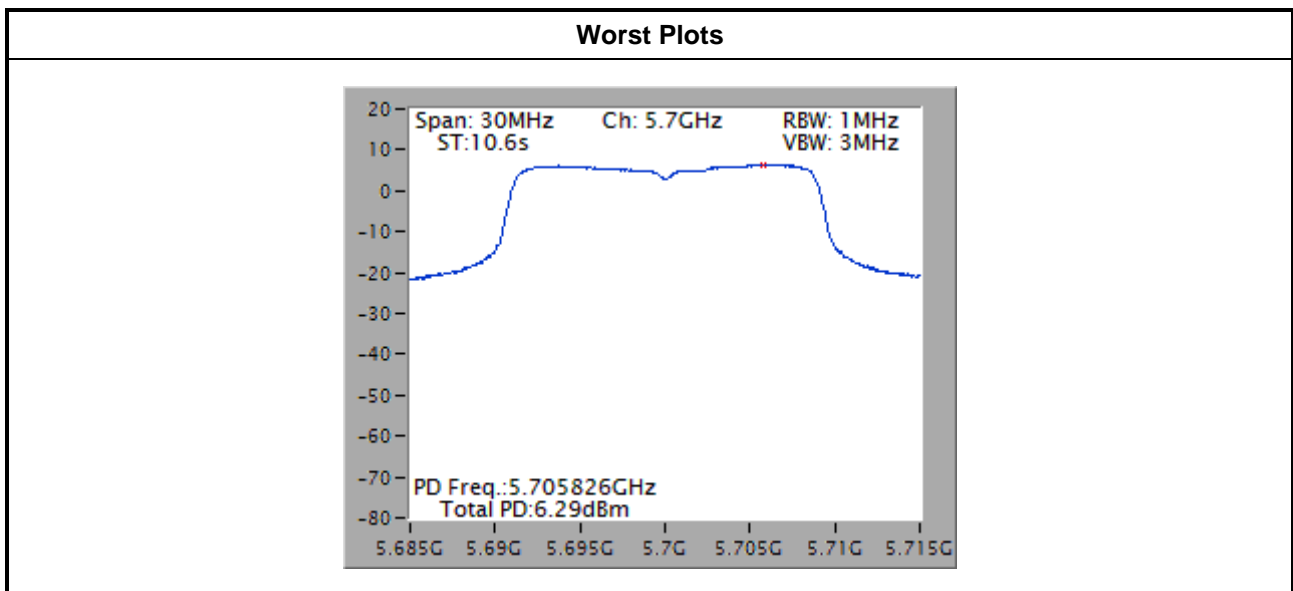
Note: D.F is duty factor



Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
VHT40	1	5190	-0.37	0.79	0.42	4
VHT40	1	5230	-0.72	0.79	0.07	4
VHT40	1	5270	-0.41	0.79	0.38	11
VHT40	1	5310	-0.34	0.79	0.45	11
VHT40	1	5510	0.96	0.79	1.75	11
VHT40	1	5550	0.55	0.79	1.34	11
VHT40	1	5670	1.66	0.79	2.45	11

Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N _{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
VHT80	1	5210	-2.79	1.67	-1.12	4
VHT80	1	5290	-2.38	1.67	-0.71	11
VHT80	1	5530	-3.07	1.67	-1.40	11

Note: D.F is duty factor



Note: Power density plot without duty factor



3.5 Peak Excursion

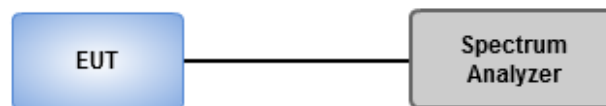
3.5.1 Peak Excursion Limit

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

3.5.2 Test Procedures

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

3.5.3 Test Setup





3.5.4 Test Result of Peak Excursion

Frequency band(MHz)		5150~5250					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5240	8.15	0.36	7.79	13
11a	QPSK	1	5240	9.75	0.80	8.95	13
11a	16QAM	1	5240	10.56	2.15	8.41	13
11a	64QAM	1	5240	12.65	3.70	8.95	13
VHT20	BPSK	1	5240	8.86	0.32	8.54	13
VHT20	QPSK	1	5240	9.58	0.52	9.06	13
VHT20	16QAM	1	5240	11.22	1.38	9.84	13
VHT20	64QAM	1	5240	12.15	3.87	8.28	13
VHT20	256QAM	1	5240	12.96	4.54	8.42	13
VHT40	BPSK	1	5230	8.27	0.79	7.48	13
VHT40	QPSK	1	5230	11.58	1.47	10.11	13
VHT40	16QAM	1	5230	12.56	3.93	8.63	13
VHT40	64QAM	1	5230	14.12	5.72	8.40	13
VHT40	256QAM	1	5230	14.83	6.24	8.59	13
VHT80	BPSK	1	5210	9.22	1.67	7.55	13
VHT80	QPSK	1	5210	11.97	4.15	7.82	13
VHT80	16QAM	1	5210	13.88	6.30	7.58	13
VHT80	64QAM	1	5210	14.87	7.52	7.35	13
VHT80	256QAM	1	5210	15.19	7.60	7.59	13

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



Frequency band(MHz)		5250~5350					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5300	9.63	0.36	9.27	13
11a	QPSK	1	5300	8.9	0.80	8.10	13
11a	16QAM	1	5300	10.68	2.15	8.53	13
11a	64QAM	1	5300	12.31	3.70	8.61	13
VHT20	BPSK	1	5300	8.47	0.32	8.15	13
VHT20	QPSK	1	5300	9.77	0.52	9.25	13
VHT20	16QAM	1	5300	10.63	1.38	9.25	13
VHT20	64QAM	1	5300	11.99	3.87	8.12	13
VHT20	256QAM	1	5300	12.28	4.54	7.74	13
VHT40	BPSK	1	5270	8.03	0.79	7.24	13
VHT40	QPSK	1	5270	8.83	1.47	7.36	13
VHT40	16QAM	1	5270	12.48	3.93	8.55	13
VHT40	64QAM	1	5270	14.02	5.72	8.30	13
VHT40	256QAM	1	5270	14.49	6.24	8.25	13
VHT80	BPSK	1	5290	9.48	1.67	7.81	13
VHT80	QPSK	1	5290	12.22	4.15	8.07	13
VHT80	16QAM	1	5290	13.63	6.30	7.33	13
VHT80	64QAM	1	5290	15.1	7.52	7.58	13
VHT80	256QAM	1	5290	15.44	7.60	7.84	13

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

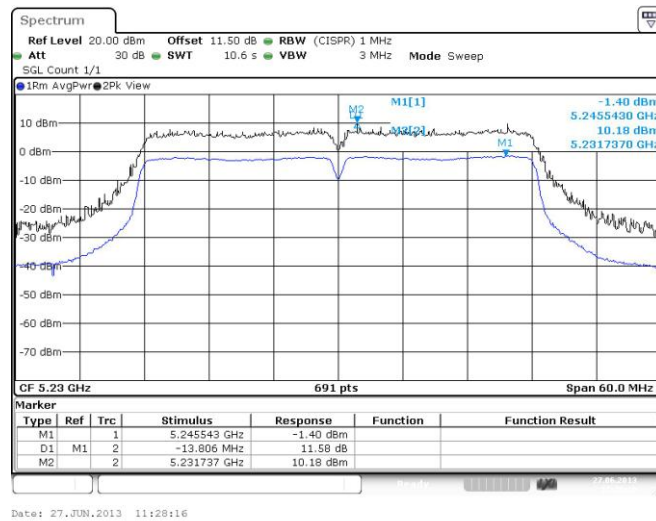


Frequency band(MHz)		5470~5725					
Mode	Modulation Mode	N _{TX}	Freq. (MHz)	Measured value(dB)	Duty factor (dB)	Peak Excursion (dB)	Limit
11a	BPSK	1	5700	8.05	0.36	7.69	13
11a	QPSK	1	5700	9.4	0.80	8.60	13
11a	16QAM	1	5700	9.7	2.15	7.55	13
11a	64QAM	1	5700	13.08	3.70	9.38	13
VHT20	BPSK	1	5700	7.78	0.32	7.46	13
VHT20	QPSK	1	5700	8.43	0.52	7.91	13
VHT20	16QAM	1	5700	9.2	1.38	7.82	13
VHT20	64QAM	1	5700	11.57	3.87	7.70	13
VHT20	256QAM	1	5700	12.76	4.54	8.22	13
VHT40	BPSK	1	5670	9.43	0.79	8.64	13
VHT40	QPSK	1	5670	10.56	1.47	9.09	13
VHT40	16QAM	1	5670	12.41	3.93	8.48	13
VHT40	64QAM	1	5670	14.08	5.72	8.36	13
VHT40	256QAM	1	5670	15.11	6.24	8.87	13
VHT80	BPSK	1	5530	9.42	1.67	7.75	13
VHT80	QPSK	1	5530	11.37	4.15	7.22	13
VHT80	16QAM	1	5530	14.46	6.30	8.16	13
VHT80	64QAM	1	5530	14.74	7.52	7.22	13
VHT80	256QAM	1	5530	14.79	7.60	7.19	13

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



Worst Plots





3.6 Transmitter Radiated and Band Edge Emissions

3.6.1 Limit of Transmitter Radiated and Band Edge Emissions

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

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

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

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

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



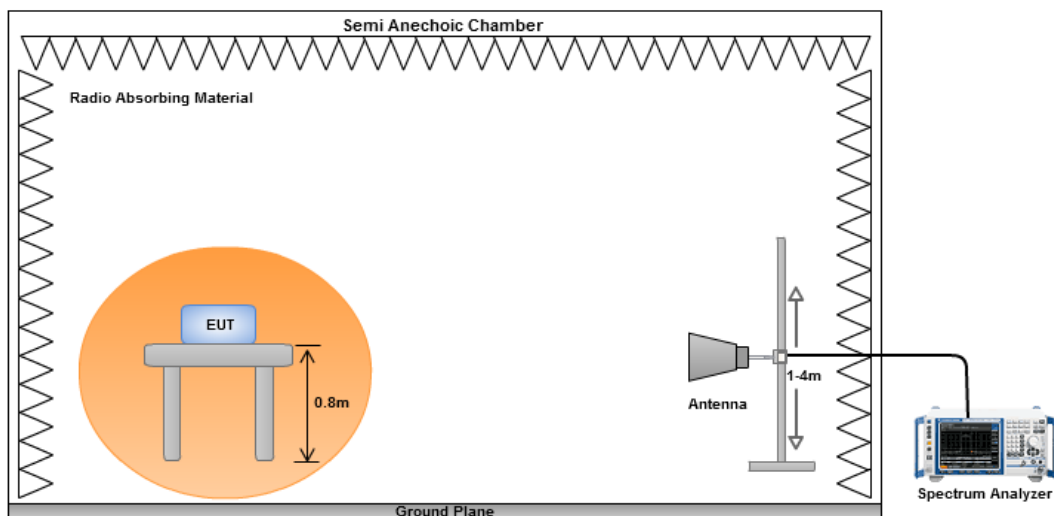
3.6.2 Test Procedures

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

Note:

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

3.6.3 Test Setup





3.6.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Polarization	Horizontal		Test Freq. (MHz)	5240	
Test Mode	AC power & Radio link (11a)				

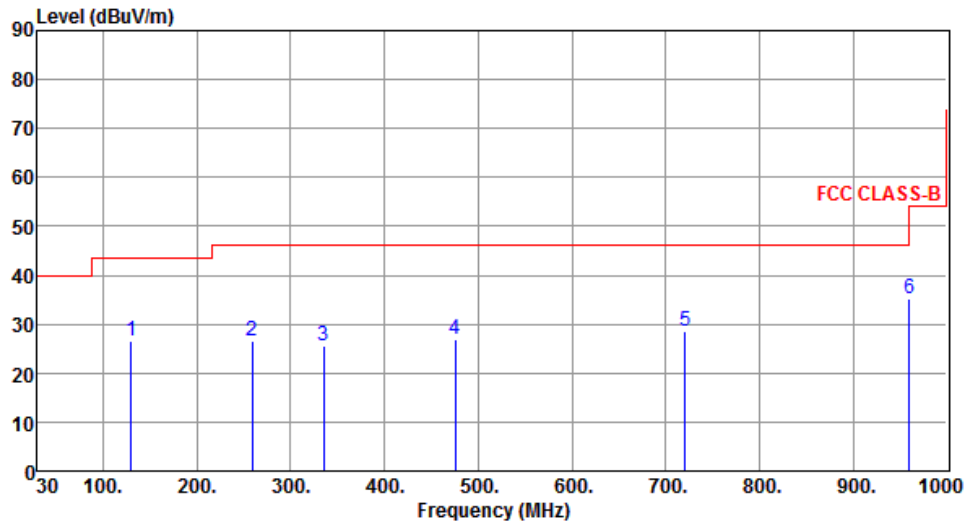
The graph plots Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (30 to 1000). A red step function represents the FCC CLASS-B limit, starting at 40 dBuV/m from 30 MHz to 100 MHz, rising to 45 dBuV/m at 100 MHz, and then to 55 dBuV/m at 300 MHz. Six blue vertical lines represent emission peaks labeled 1 through 6, with their respective levels and frequencies as shown in the table below.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	239.52	32.26	46.00	-13.74	50.40	-18.14	Peak	---	---
2	298.69	30.15	46.00	-15.85	46.41	-16.26	Peak	---	---
3	431.58	33.10	46.00	-12.90	45.99	-12.89	Peak	---	---
4	718.70	34.64	46.00	-11.36	42.51	-7.87	Peak	---	---
5	831.22	32.78	46.00	-13.22	39.15	-6.37	Peak	---	---
6	960.23	38.48	54.00	-15.52	43.24	-4.76	Peak	---	---

Note 1: Level (dBuV/m) = Read Level (dBuV/m) + Antenna Factor (dB) + Cable Loss (dB) - Preamp Factor (dB).
 Note 2: Margin (dB) = Limit Line (dBuV/m) - Level (dBuV/m).



Polarization	Vertical	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link (11a)		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	129.91	26.66	43.50	-16.84	44.79	-18.13	Peak	---	---
2	258.92	26.62	46.00	-19.38	44.22	-17.60	Peak	---	---
3	335.55	25.71	46.00	-20.29	41.00	-15.29	Peak	---	---
4	475.23	26.77	46.00	-19.23	38.83	-12.06	Peak	---	---
5	720.64	28.71	46.00	-17.29	36.54	-7.83	Peak	---	---
6	960.23	35.33	54.00	-18.67	40.09	-4.76	Peak	---	---

Note 1: Level (dBuV/m) = Read Level (dBuV/m) + Antenna Factor (dB) + Cable Loss (dB) - Preamp Factor (dB).
 2: Margin (dB) = Limit Line (dBuV/m) – Level (dBuV/m).

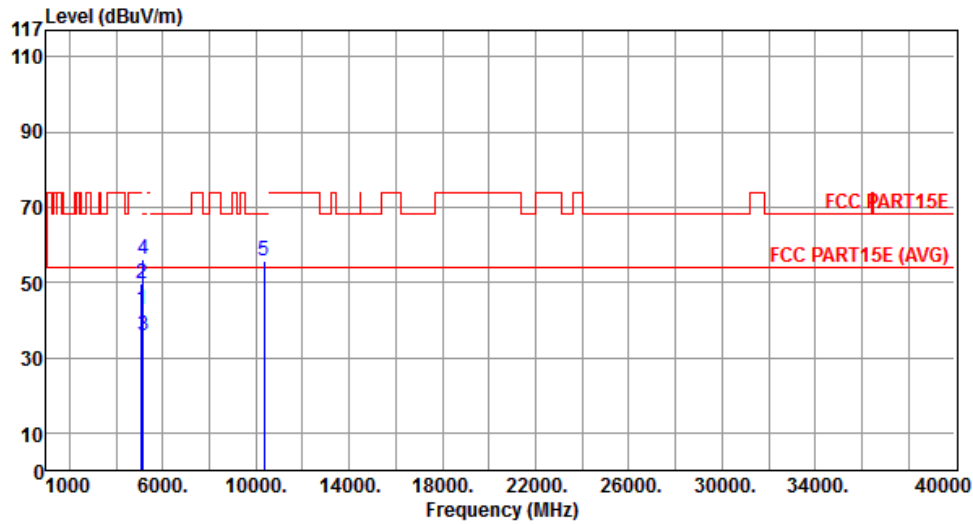


3.6.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

Polarization	Horizontal		Test Freq. (MHz)	5180					
Test Mode	AC power & Radio link								
	Freq.	Emission level	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	dBuV/m	dBuV/m	dB	reading	dB		High	Table
								cm	deg
1	5100.00	39.51	54.00	-14.49	34.68	4.83	Average	---	---
2	5100.00	48.14	74.00	-25.86	43.31	4.83	Peak	---	---
3	5150.00	33.82	54.00	-20.18	28.88	4.94	Average	---	---
4	5150.00	54.06	74.00	-19.94	49.12	4.94	Peak	---	---
5	10360.00	54.88	68.30	-13.42	40.17	14.71	Peak	---	---
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.</p> <p>Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.</p> <p>Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.</p>									



Polarization	Vertical	Test Freq. (MHz)	5180
Test Mode	AC power & Radio link		

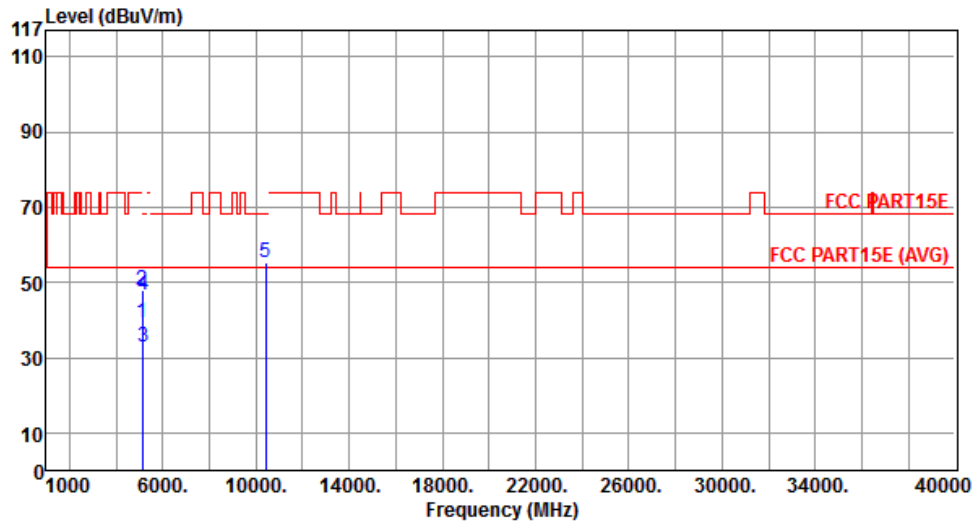


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5100.00	42.59	54.00	-11.41	37.76	4.83	Average	---	---
2	5100.00	49.65	74.00	-24.35	44.82	4.83	Peak	---	---
3	5150.00	35.67	54.00	-18.33	30.73	4.94	Average	---	---
4	5150.00	56.06	74.00	-17.94	51.12	4.94	Peak	---	---
5	10360.00	55.60	68.30	-12.70	40.89	14.71	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5120.00	39.19	54.00	-14.81	34.32	4.87	Average	---	---
2	5120.00	47.77	74.00	-26.23	42.90	4.87	Peak	---	---
3	5150.00	32.99	54.00	-21.01	28.05	4.94	Average	---	---
4	5150.00	46.71	74.00	-27.29	41.77	4.94	Peak	---	---
5	10400.00	55.13	68.30	-13.17	40.38	14.75	Peak	---	---

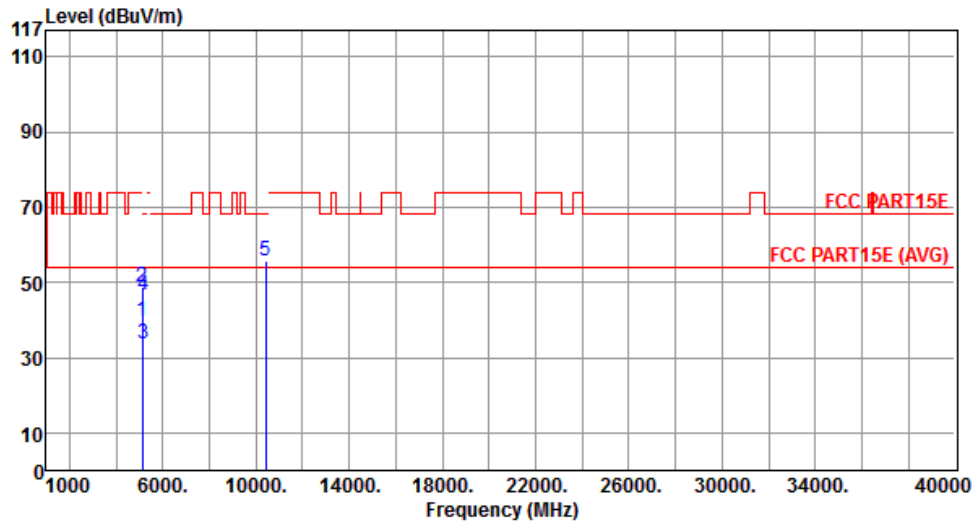
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5120.00	39.69	54.00	-14.31	34.82	4.87	Average	---	---
2	5120.00	48.86	74.00	-25.14	43.99	4.87	Peak	---	---
3	5150.00	33.50	54.00	-20.50	28.56	4.94	Average	---	---
4	5150.00	46.80	74.00	-27.20	41.86	4.94	Peak	---	---
5	10400.00	55.67	68.30	-12.63	40.92	14.75	Peak	---	---

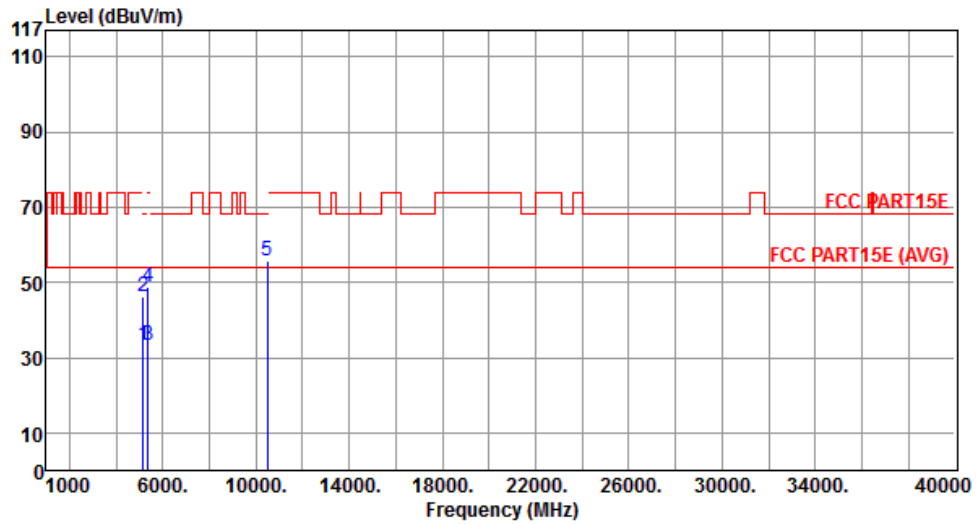
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link		



	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	33.41	54.00	-20.59	28.47	4.94	Average	---	---
2	5150.00	46.15	74.00	-27.85	41.21	4.94	Peak	---	---
3	5360.00	33.15	54.00	-20.85	28.06	5.09	Average	---	---
4	5360.00	48.89	74.00	-25.11	43.80	5.09	Peak	---	---
5	10480.00	55.69	68.30	-12.61	40.85	14.84	Peak	---	---

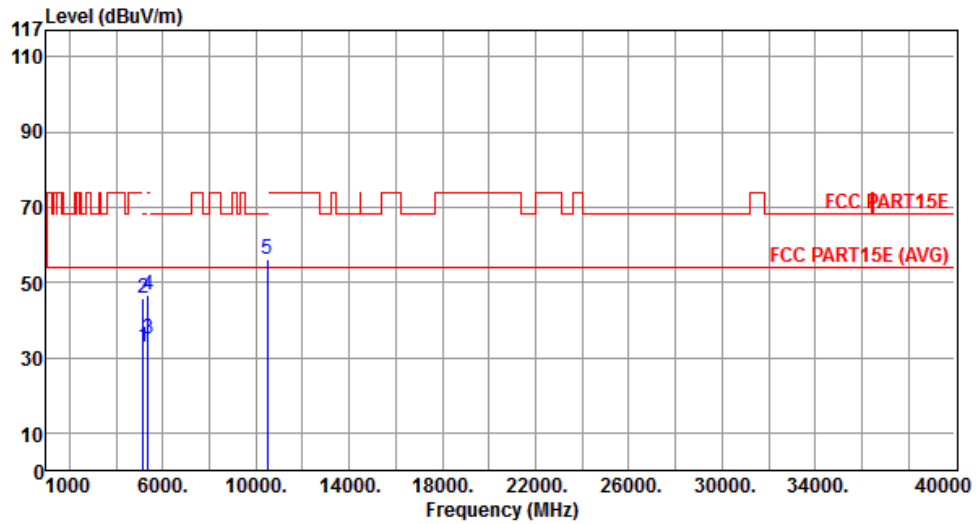
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link		

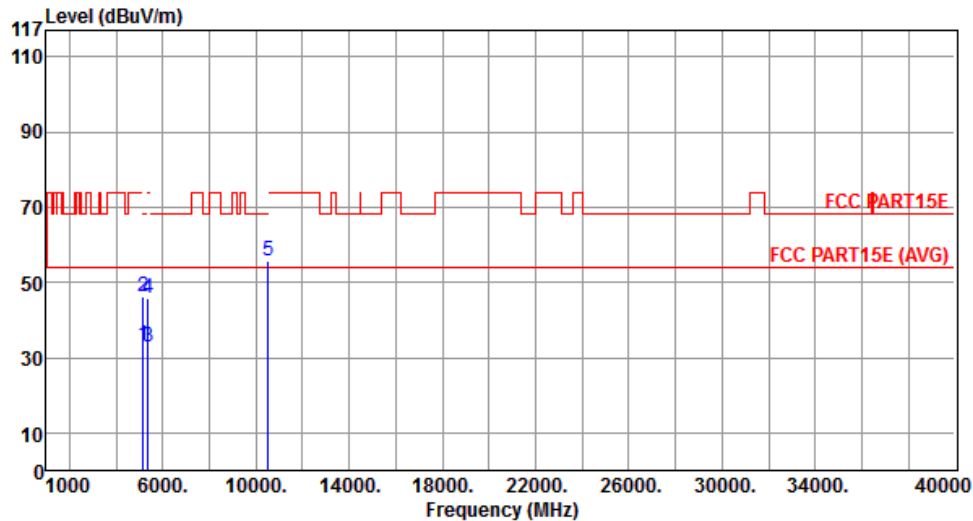


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	32.66	54.00	-21.34	27.72	4.94	Average	---	---
2	5150.00	45.94	74.00	-28.06	41.00	4.94	Peak	---	---
3	5360.00	34.90	54.00	-19.10	29.81	5.09	Average	---	---
4	5360.00	46.54	74.00	-27.46	41.45	5.09	Peak	---	---
5	10480.00	56.18	68.30	-12.12	41.34	14.84	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5260
Test Mode	AC power & Radio link		

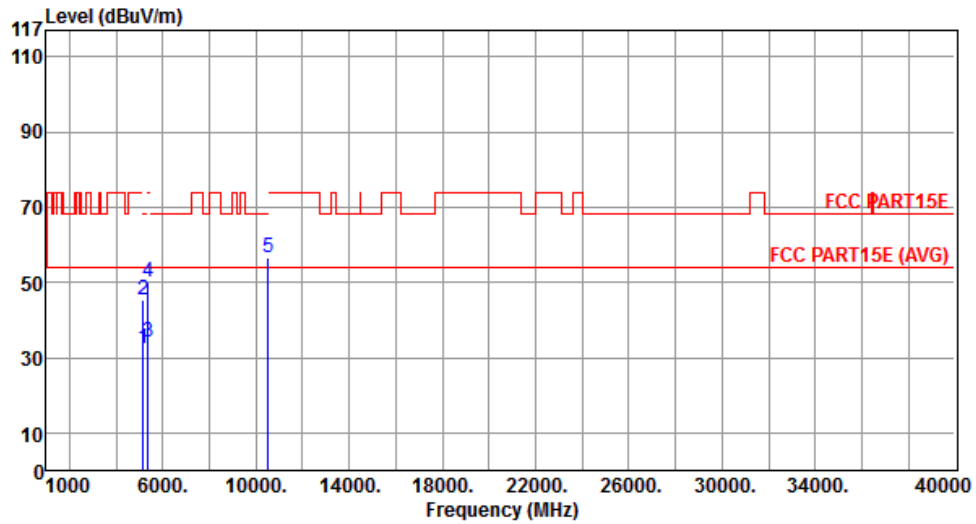


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	33.11	54.00	-20.89	28.17	4.94	Average	---	---
2	5150.00	46.23	74.00	-27.77	41.29	4.94	Peak	---	---
3	5360.00	32.60	54.00	-21.40	27.51	5.09	Average	---	---
4	5360.00	45.58	74.00	-28.42	40.49	5.09	Peak	---	---
5	10520.00	55.76	68.30	-12.54	40.89	14.87	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5260
Test Mode	AC power & Radio link		



	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	32.41	54.00	-21.59	27.47	4.94	Average	---	---
2	5150.00	45.43	74.00	-28.57	40.49	4.94	Peak	---	---
3	5360.00	34.19	54.00	-19.81	29.10	5.09	Average	---	---
4	5360.00	50.13	74.00	-23.87	45.04	5.09	Peak	---	---
5	10520.00	56.44	68.30	-11.86	41.57	14.87	Peak	---	---

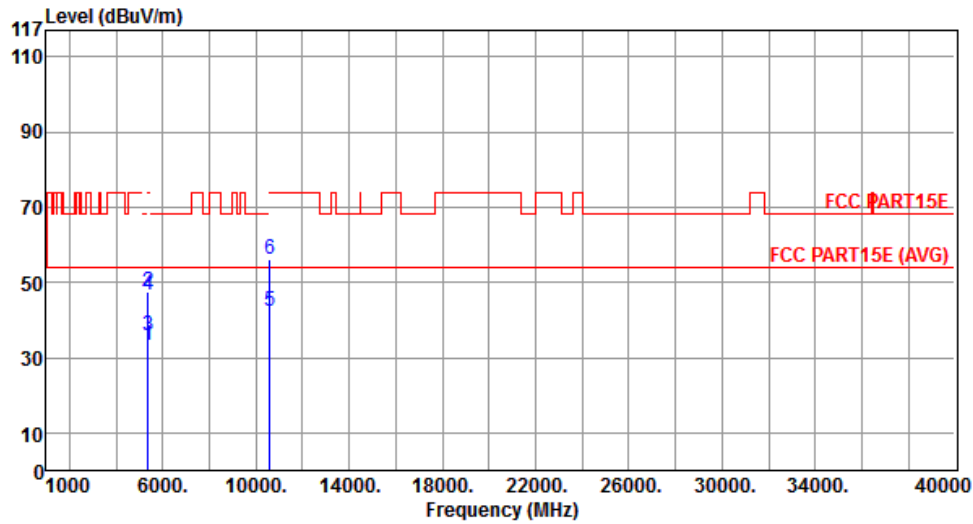
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5300
Test Mode	AC power & Radio link		

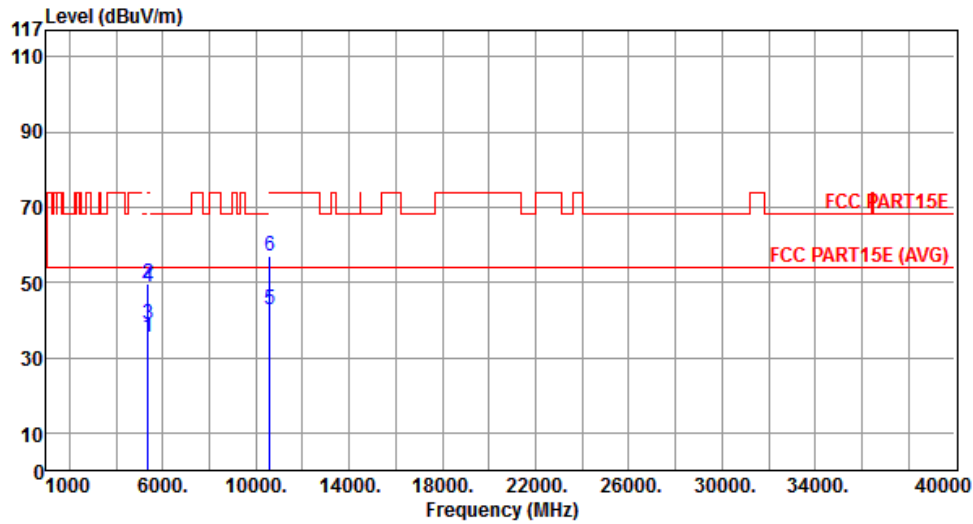


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	33.04	54.00	-20.96	27.95	5.09	Average	---	---
2	5350.00	47.41	74.00	-26.59	42.32	5.09	Peak	---	---
3	5380.00	35.83	54.00	-18.17	30.73	5.10	Average	---	---
4	5380.00	46.76	74.00	-27.24	41.66	5.10	Peak	---	---
5	10600.00	42.18	54.00	-11.82	27.24	14.94	Average	---	---
6	10600.00	56.32	74.00	-17.68	41.38	14.94	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5300
Test Mode	AC power & Radio link		



	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	35.30	54.00	-18.70	30.21	5.09	Average	---	---
2	5350.00	49.44	74.00	-24.56	44.35	5.09	Peak	---	---
3	5380.00	38.97	54.00	-15.03	33.87	5.10	Average	---	---
4	5380.00	48.93	74.00	-25.07	43.83	5.10	Peak	---	---
5	10600.00	42.78	54.00	-11.22	27.84	14.94	Average	---	---
6	10600.00	56.87	74.00	-17.13	41.93	14.94	Peak	---	---

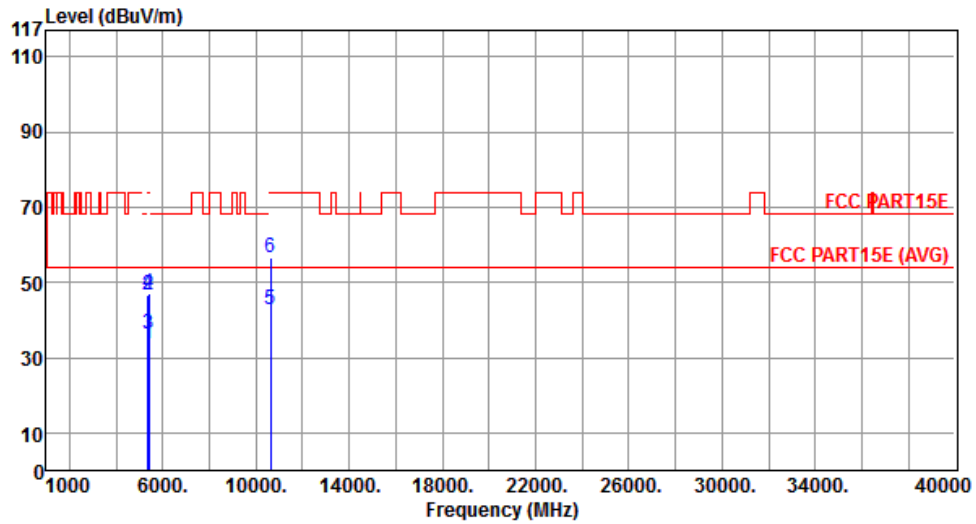
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5320
Test Mode	AC power & Radio link		



	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	33.83	54.00	-20.17	28.74	5.09	Average	---	---
2	5350.00	46.68	74.00	-27.32	41.59	5.09	Peak	---	---
3	5400.00	36.30	54.00	-17.70	31.20	5.10	Average	---	---
4	5400.00	46.88	74.00	-27.12	41.78	5.10	Peak	---	---
5	10640.00	42.57	54.00	-11.43	27.59	14.98	Average	---	---
6	10640.00	56.54	74.00	-17.46	41.56	14.98	Peak	---	---

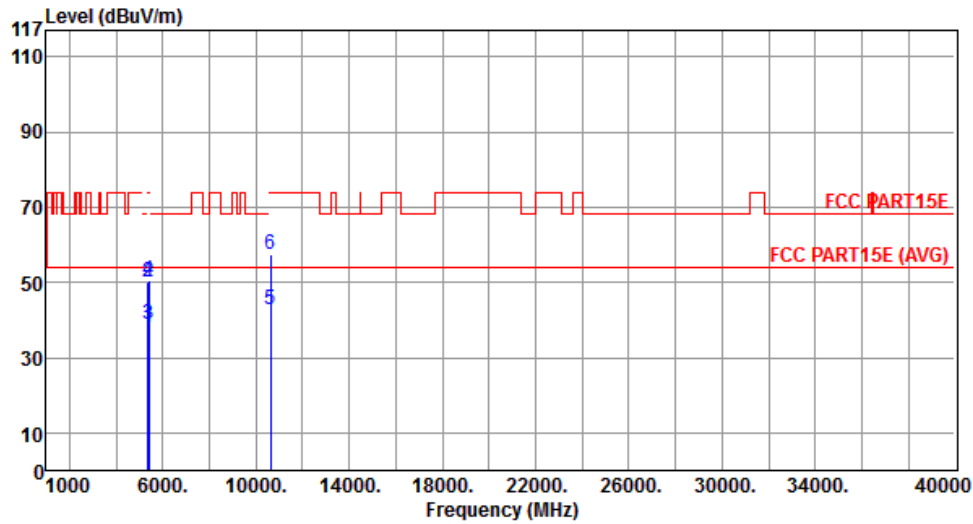
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5320
Test Mode	AC power & Radio link		



	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	38.06	54.00	-15.94	32.97	5.09	Average	---	---
2	5350.00	50.27	74.00	-23.73	45.18	5.09	Peak	---	---
3	5400.00	39.03	54.00	-14.97	33.93	5.10	Average	---	---
4	5400.00	50.40	74.00	-23.60	45.30	5.10	Peak	---	---
5	10640.00	42.86	54.00	-11.14	27.88	14.98	Average	---	---
6	10640.00	57.54	74.00	-16.46	42.56	14.98	Peak	---	---

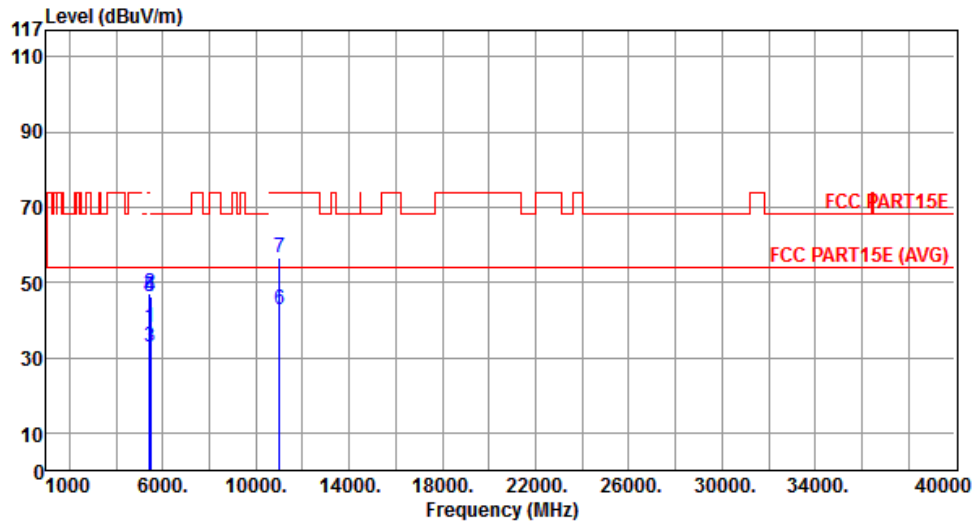
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5500
Test Mode	AC power & Radio link		

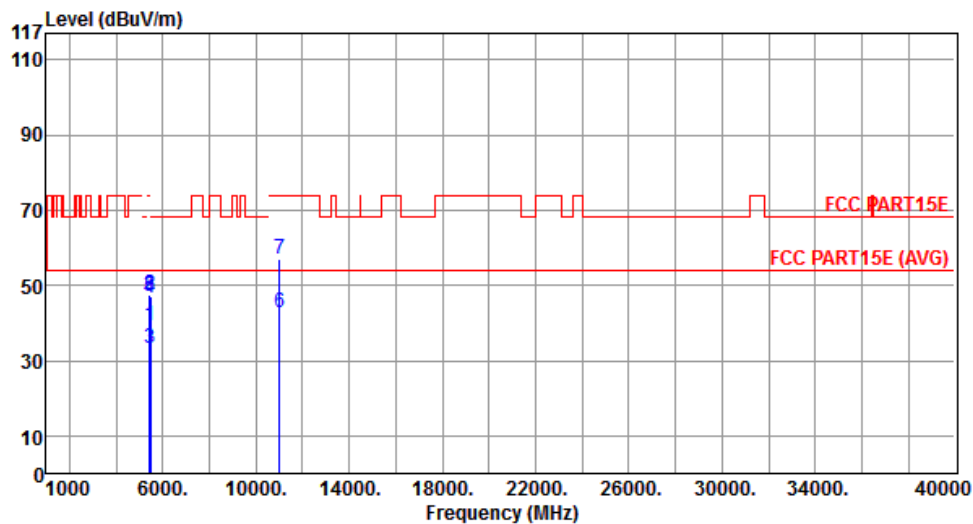


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	38.12	54.00	-15.88	33.00	5.12	Average	---	---
2	5420.00	47.09	74.00	-26.91	41.97	5.12	Peak	---	---
3	5460.00	32.64	54.00	-21.36	27.46	5.18	Average	---	---
4	5460.00	46.31	74.00	-27.69	41.13	5.18	Peak	---	---
5	5470.00	46.37	68.30	-21.93	41.18	5.19	Peak	---	---
6	11000.00	42.66	54.00	-11.34	27.38	15.28	Average	---	---
7	11000.00	56.39	74.00	-17.61	41.11	15.28	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5500
Test Mode	AC power & Radio link		

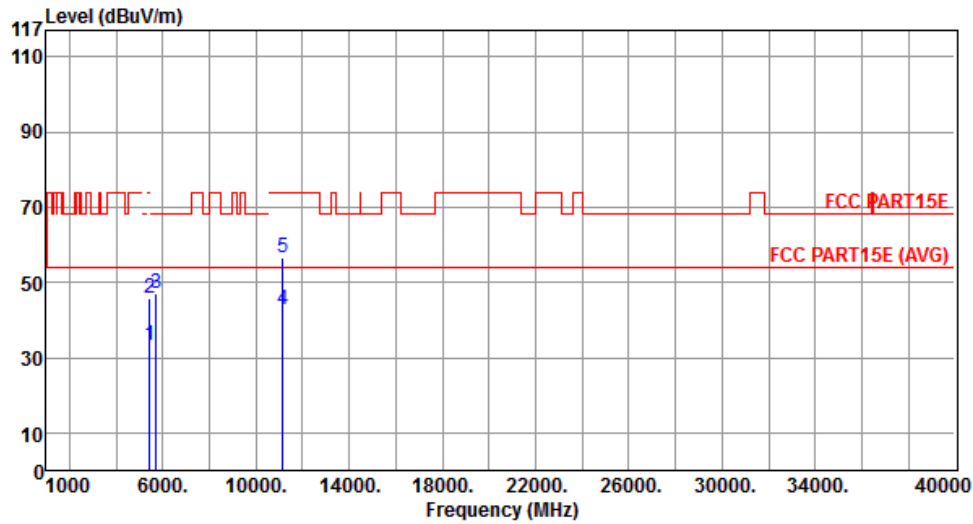


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	39.48	54.00	-14.52	34.36	5.12	Average	---	---
2	5420.00	47.46	74.00	-26.54	42.34	5.12	Peak	---	---
3	5460.00	33.26	54.00	-20.74	28.08	5.18	Average	---	---
4	5460.00	46.43	74.00	-27.57	41.25	5.18	Peak	---	---
5	5470.00	47.15	68.30	-21.15	41.96	5.19	Peak	---	---
6	11000.00	42.87	54.00	-11.13	27.59	15.28	Average	---	---
7	11000.00	56.92	74.00	-17.08	41.64	15.28	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	33.25	54.00	-20.75	28.13	5.12	Average	---	---
2	5420.00	45.65	74.00	-28.35	40.53	5.12	Peak	---	---
3	5725.00	47.14	68.30	-21.16	41.58	5.56	Peak	---	---
4	11160.00	42.59	54.00	-11.41	27.41	15.18	Average	---	---
5	11160.00	56.42	74.00	-17.58	41.24	15.18	Peak	---	---

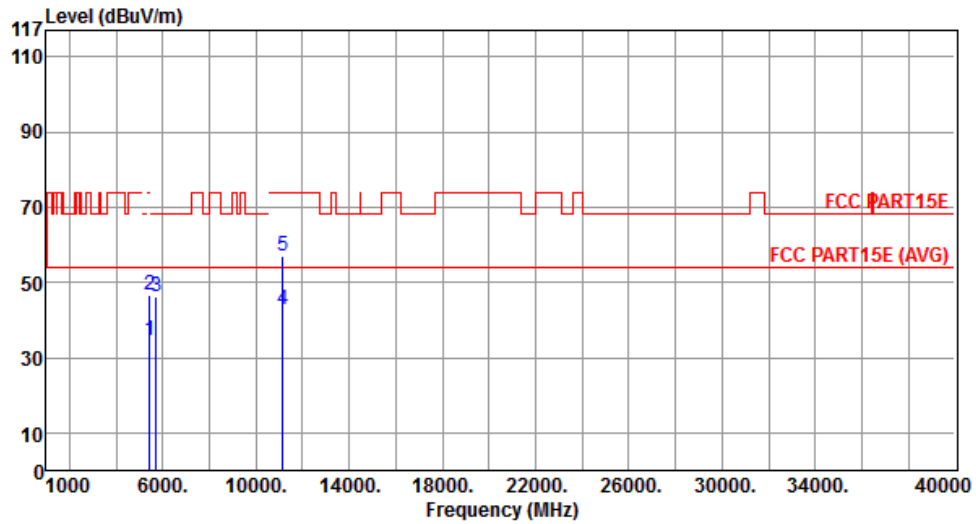
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5580
Test Mode	AC power & Radio link		

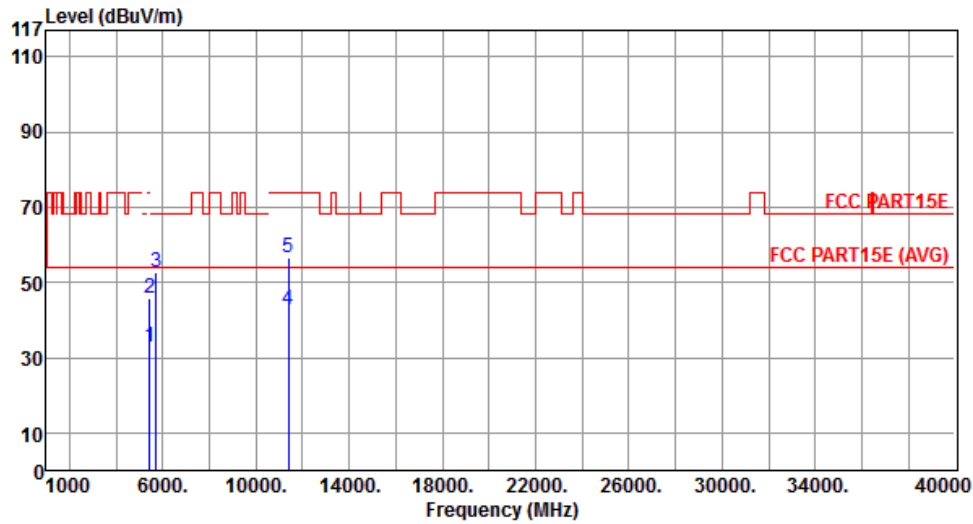


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	34.70	54.00	-19.30	29.58	5.12	Average	---	---
2	5420.00	46.66	74.00	-27.34	41.54	5.12	Peak	---	---
3	5725.00	46.32	68.30	-21.98	40.76	5.56	Peak	---	---
4	11160.00	42.54	54.00	-11.46	27.36	15.18	Average	---	---
5	11160.00	56.96	74.00	-17.04	41.78	15.18	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5700
Test Mode	AC power & Radio link		

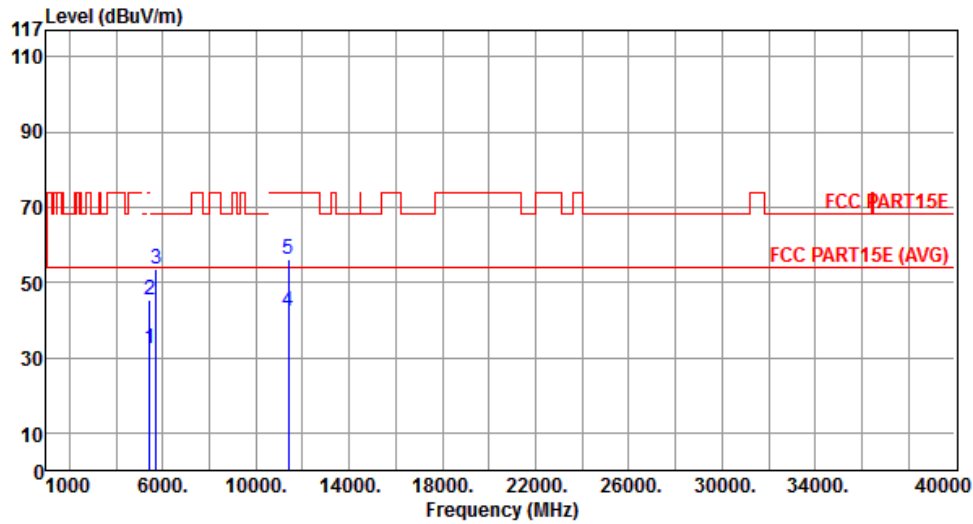


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	32.67	54.00	-21.33	27.55	5.12	Average	---	---
2	5420.00	45.65	74.00	-28.35	40.53	5.12	Peak	---	---
3	5725.00	52.55	68.30	-15.75	46.99	5.56	Peak	---	---
4	11400.00	42.58	54.00	-11.42	27.55	15.03	Average	---	---
5	11400.00	56.65	74.00	-17.35	41.62	15.03	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5700
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	32.27	54.00	-21.73	27.15	5.12	Average	---	---
2	5420.00	45.27	74.00	-28.73	40.15	5.12	Peak	---	---
3	5725.00	53.64	68.30	-14.66	48.08	5.56	Peak	---	---
4	11400.00	42.37	54.00	-11.63	27.34	15.03	Average	---	---
5	11400.00	56.32	74.00	-17.68	41.29	15.03	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

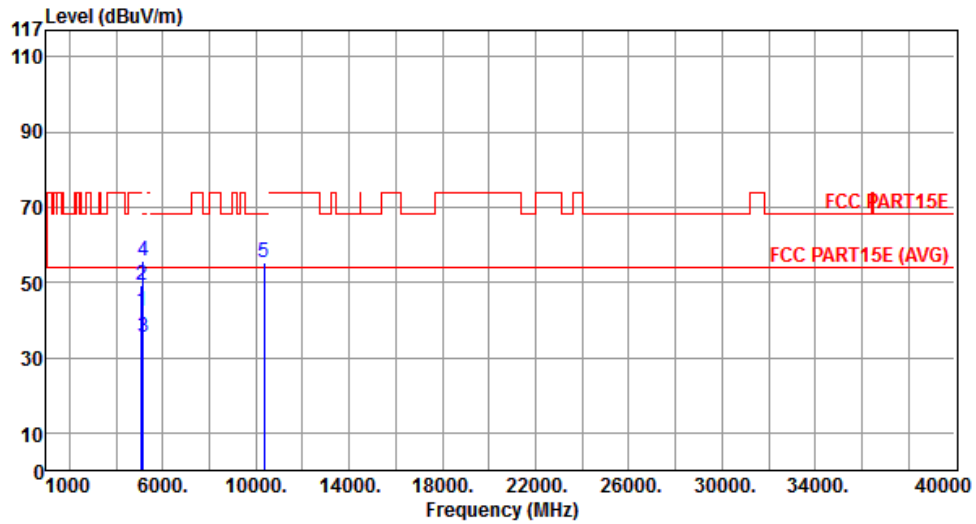


3.6.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

Polarization	Horizontal	Test Freq. (MHz)	5180																																																													
Test Mode	AC power & Radio link																																																															
	<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission level</th> <th>Limit</th> <th>Margin</th> <th>SA reading</th> <th>Factor</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5100.00</td> <td>39.02</td> <td>54.00</td> <td>-14.98</td> <td>34.19</td> <td>4.83</td> <td>Average</td> <td>---</td> </tr> <tr> <td>2</td> <td>5100.00</td> <td>47.38</td> <td>74.00</td> <td>-26.62</td> <td>42.55</td> <td>4.83</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>3</td> <td>5150.00</td> <td>33.17</td> <td>54.00</td> <td>-20.83</td> <td>28.23</td> <td>4.94</td> <td>Average</td> <td>---</td> </tr> <tr> <td>4</td> <td>5150.00</td> <td>53.89</td> <td>74.00</td> <td>-20.11</td> <td>48.95</td> <td>4.94</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>5</td> <td>10360.00</td> <td>54.94</td> <td>68.30</td> <td>-13.36</td> <td>40.23</td> <td>14.71</td> <td>Peak</td> <td>---</td> </tr> </tbody> </table>	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High cm	Turn Table deg	MHz	dBuV/m	dBuV/m	dB	dBuV	dB				1	5100.00	39.02	54.00	-14.98	34.19	4.83	Average	---	2	5100.00	47.38	74.00	-26.62	42.55	4.83	Peak	---	3	5150.00	33.17	54.00	-20.83	28.23	4.94	Average	---	4	5150.00	53.89	74.00	-20.11	48.95	4.94	Peak	---	5	10360.00	54.94	68.30	-13.36	40.23	14.71	Peak	---
Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High cm	Turn Table deg																																																								
MHz	dBuV/m	dBuV/m	dB	dBuV	dB																																																											
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<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.</p> <p>Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.</p> <p>Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.</p>																																																																



Polarization	Vertical	Test Freq. (MHz)	5180
Test Mode	AC power & Radio link		

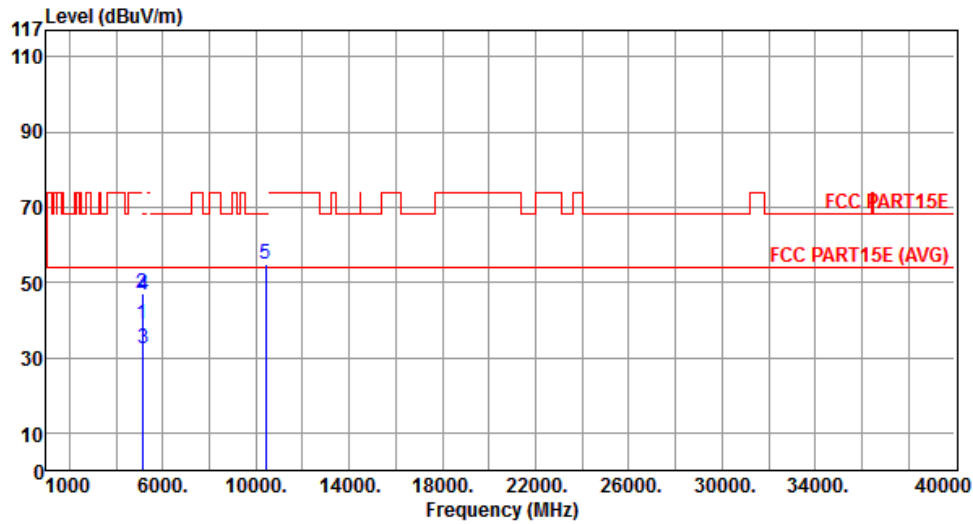


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5100.00	42.21	54.00	-11.79	37.38	4.83	Average	---	---
2	5100.00	49.19	74.00	-24.81	44.36	4.83	Peak	---	---
3	5150.00	35.19	54.00	-18.81	30.25	4.94	Average	---	---
4	5150.00	55.72	74.00	-18.28	50.78	4.94	Peak	---	---
5	10360.00	55.36	68.30	-12.94	40.65	14.71	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5200
Test Mode	AC power & Radio link		

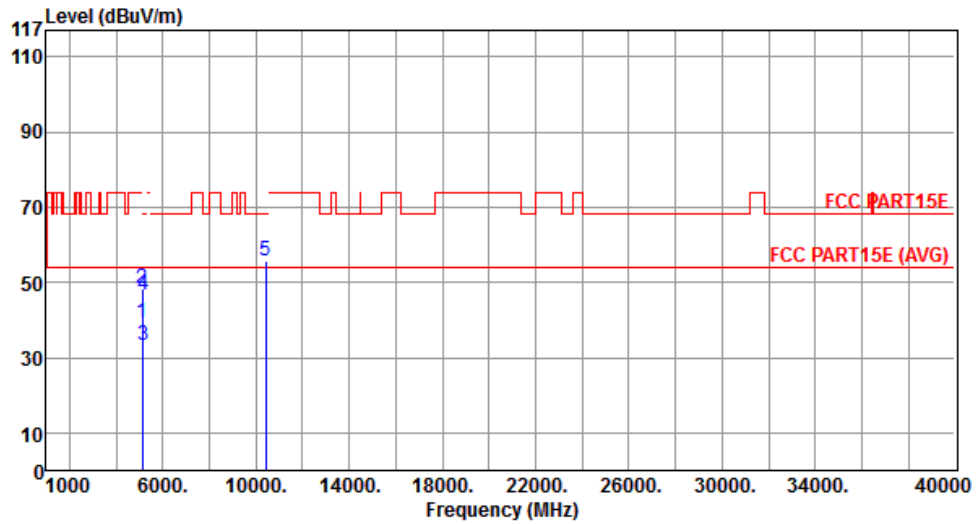


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5120.00	39.04	54.00	-14.96	34.17	4.87	Average	---	---
2	5120.00	47.20	74.00	-26.80	42.33	4.87	Peak	---	---
3	5150.00	32.59	54.00	-21.41	27.65	4.94	Average	---	---
4	5150.00	46.78	74.00	-27.22	41.84	4.94	Peak	---	---
5	10400.00	54.99	68.30	-13.31	40.24	14.75	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5200
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5120.00	39.34	54.00	-14.66	34.47	4.87	Average	---	---
2	5120.00	48.39	74.00	-25.61	43.52	4.87	Peak	---	---
3	5150.00	33.35	54.00	-20.65	28.41	4.94	Average	---	---
4	5150.00	46.53	74.00	-27.47	41.59	4.94	Peak	---	---
5	10400.00	55.51	68.30	-12.79	40.76	14.75	Peak	---	---

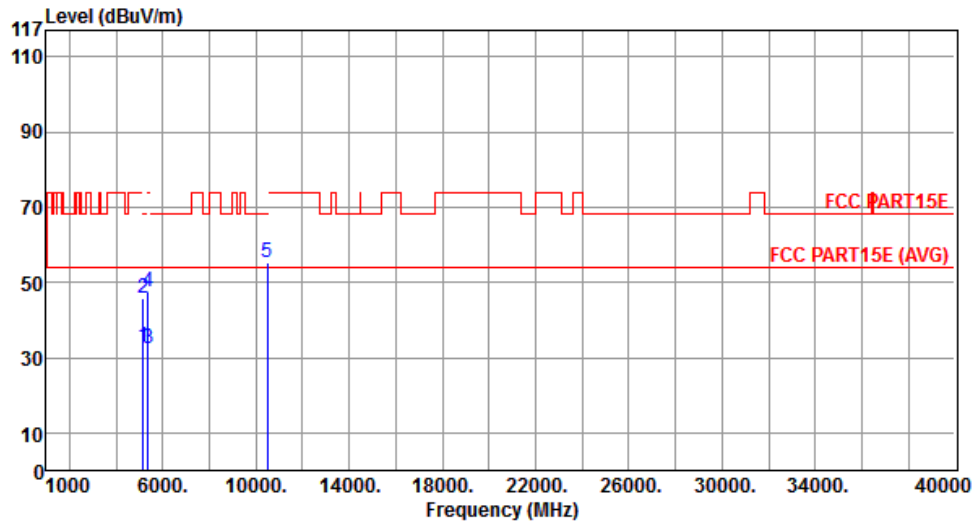
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link		



	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	32.93	54.00	-21.07	27.99	4.94	Average	---	---
2	5150.00	45.79	74.00	-28.21	40.85	4.94	Peak	---	---
3	5360.00	32.58	54.00	-21.42	27.49	5.09	Average	---	---
4	5360.00	47.37	74.00	-26.63	42.28	5.09	Peak	---	---
5	10480.00	55.21	68.30	-13.09	40.37	14.84	Peak	---	---

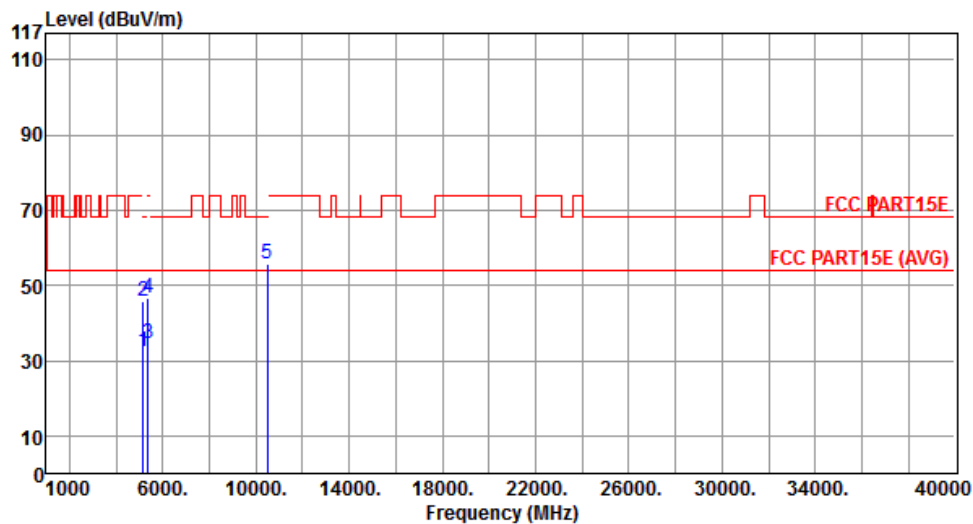
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5240
Test Mode	AC power & Radio link		

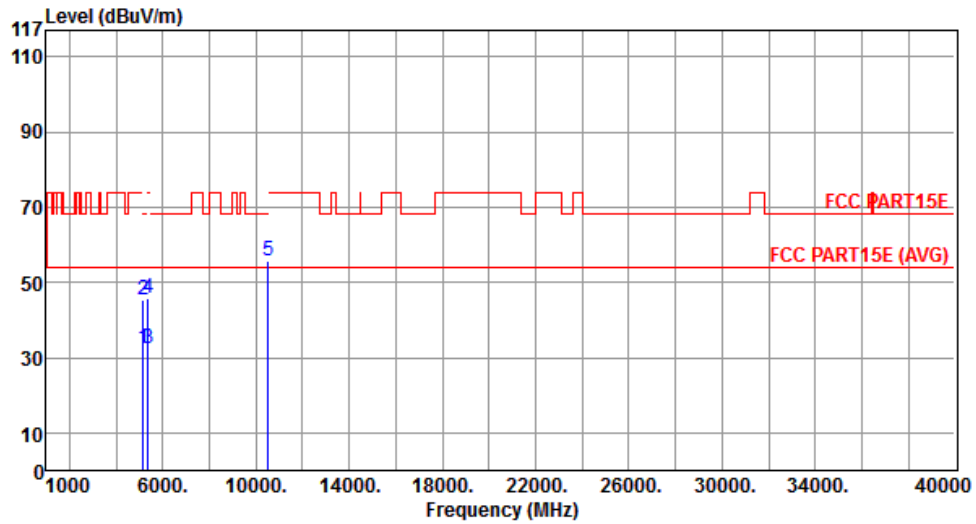


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	32.32	54.00	-21.68	27.38	4.94	Average	---	---
2	5150.00	45.83	74.00	-28.17	40.89	4.94	Peak	---	---
3	5360.00	34.33	54.00	-19.67	29.24	5.09	Average	---	---
4	5360.00	46.42	74.00	-27.58	41.33	5.09	Peak	---	---
5	10480.00	55.78	68.30	-12.52	40.94	14.84	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5260
Test Mode	AC power & Radio link		

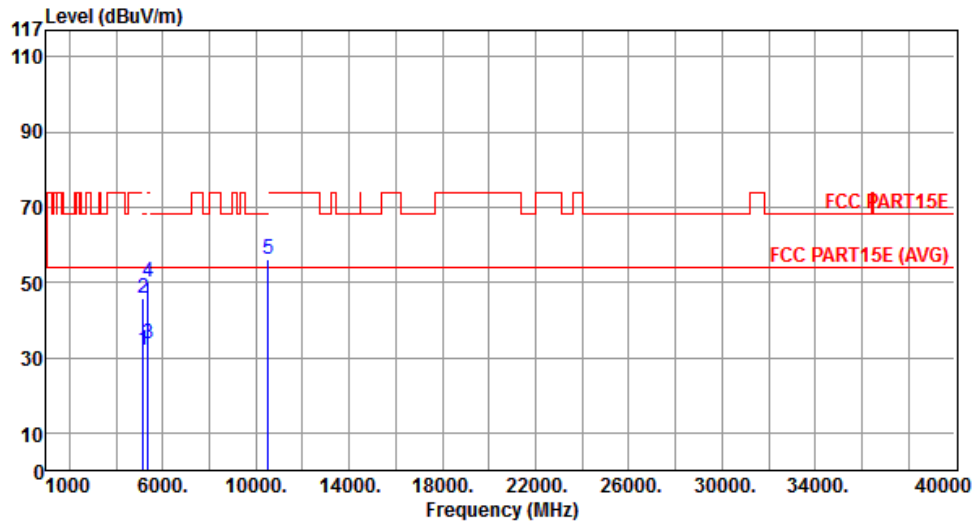


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	32.57	54.00	-21.43	27.63	4.94	Average	---	---
2	5150.00	45.52	74.00	-28.48	40.58	4.94	Peak	---	---
3	5360.00	32.45	54.00	-21.55	27.36	5.09	Average	---	---
4	5360.00	45.80	74.00	-28.20	40.71	5.09	Peak	---	---
5	10520.00	55.81	68.30	-12.49	40.94	14.87	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5260
Test Mode	AC power & Radio link		

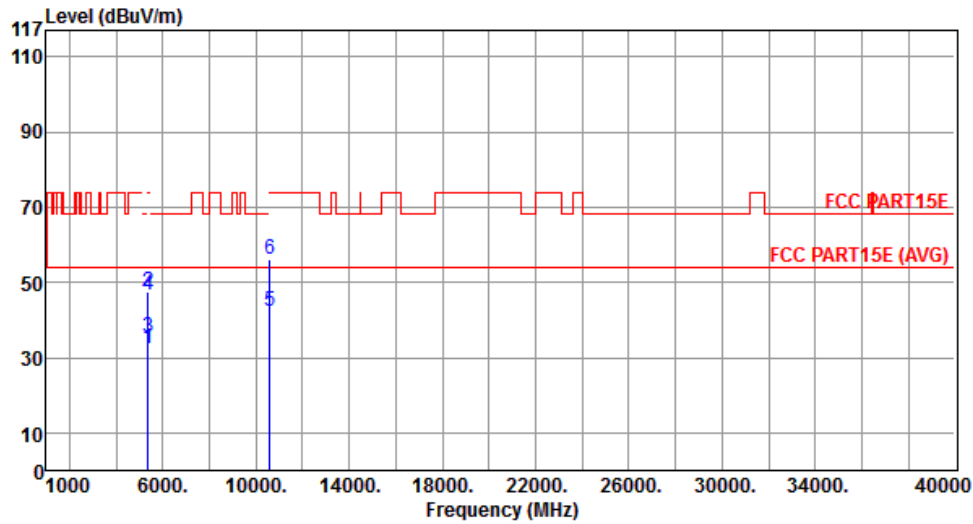


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	32.10	54.00	-21.90	27.16	4.94	Average	---	---
2	5150.00	45.60	74.00	-28.40	40.66	4.94	Peak	---	---
3	5360.00	33.52	54.00	-20.48	28.43	5.09	Average	---	---
4	5360.00	49.95	74.00	-24.05	44.86	5.09	Peak	---	---
5	10520.00	56.11	68.30	-12.19	41.24	14.87	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5300
Test Mode	AC power & Radio link		

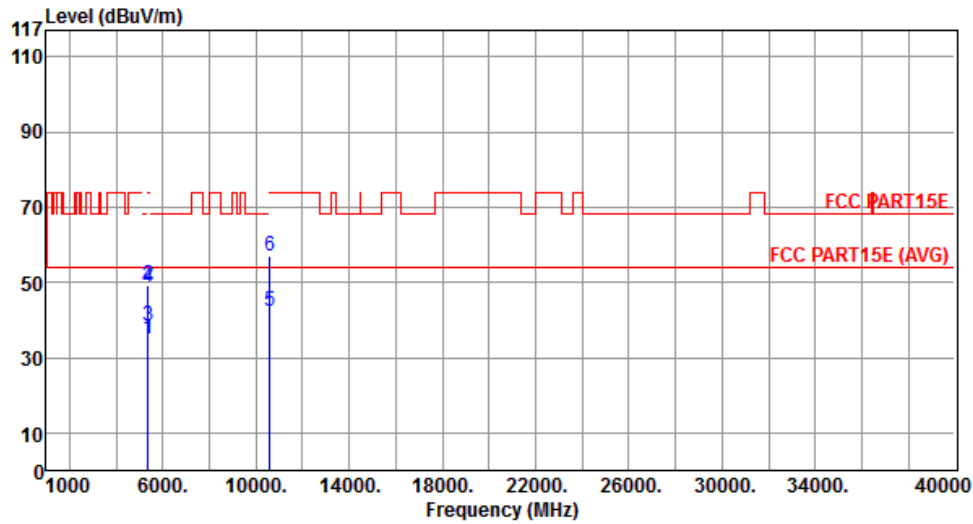


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	32.43	54.00	-21.57	27.34	5.09	Average	---	---
2	5350.00	47.60	74.00	-26.40	42.51	5.09	Peak	---	---
3	5380.00	35.24	54.00	-18.76	30.14	5.10	Average	---	---
4	5380.00	46.47	74.00	-27.53	41.37	5.10	Peak	---	---
5	10600.00	42.16	54.00	-11.84	27.22	14.94	Average	---	---
6	10600.00	56.03	74.00	-17.97	41.09	14.94	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5300
Test Mode	AC power & Radio link		

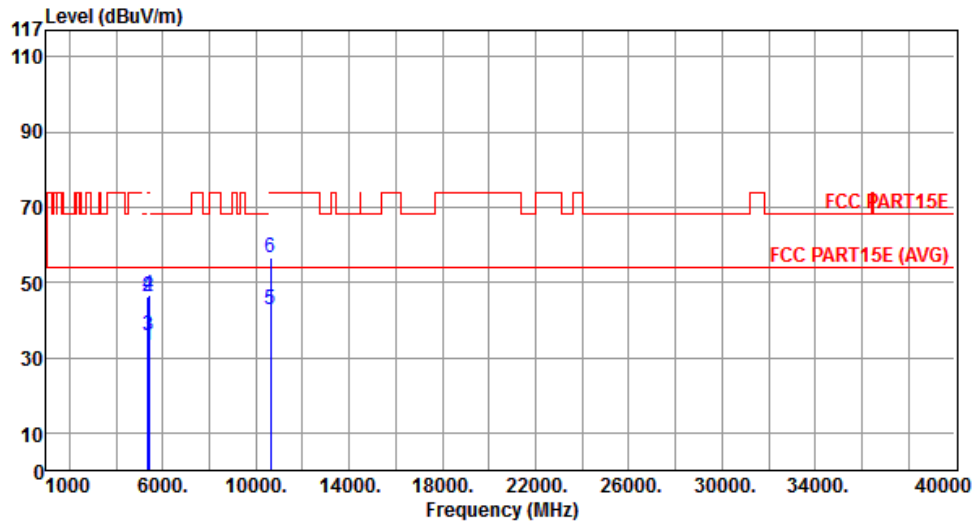


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	34.96	54.00	-19.04	29.87	5.09	Average	---	---
2	5350.00	49.22	74.00	-24.78	44.13	5.09	Peak	---	---
3	5380.00	38.35	54.00	-15.65	33.25	5.10	Average	---	---
4	5380.00	48.77	74.00	-25.23	43.67	5.10	Peak	---	---
5	10600.00	42.32	54.00	-11.68	27.38	14.94	Average	---	---
6	10600.00	56.92	74.00	-17.08	41.98	14.94	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5320
Test Mode	AC power & Radio link		

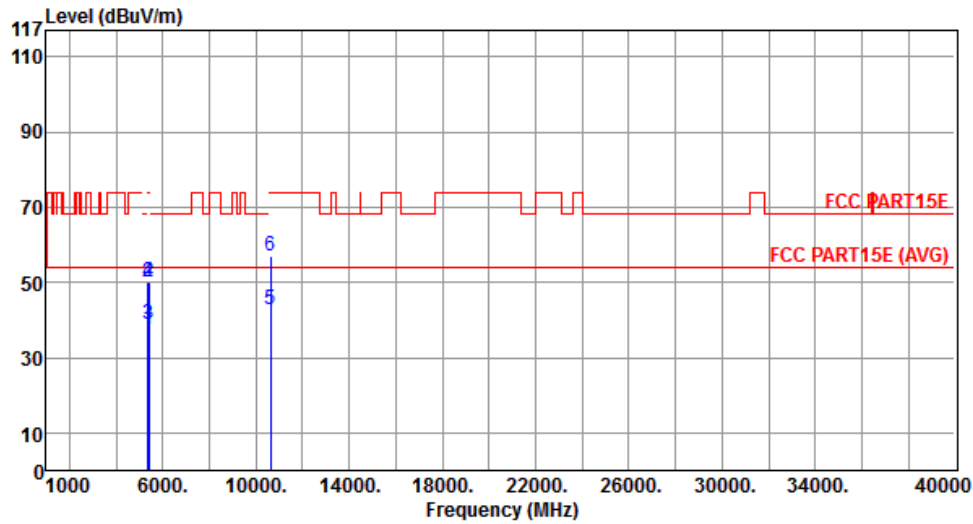


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	33.44	54.00	-20.56	28.35	5.09	Average	---	---
2	5350.00	46.31	74.00	-27.69	41.22	5.09	Peak	---	---
3	5400.00	35.69	54.00	-18.31	30.59	5.10	Average	---	---
4	5400.00	46.56	74.00	-27.44	41.46	5.10	Peak	---	---
5	10640.00	42.53	54.00	-11.47	27.55	14.98	Average	---	---
6	10640.00	56.62	74.00	-17.38	41.64	14.98	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5320
Test Mode	AC power & Radio link		

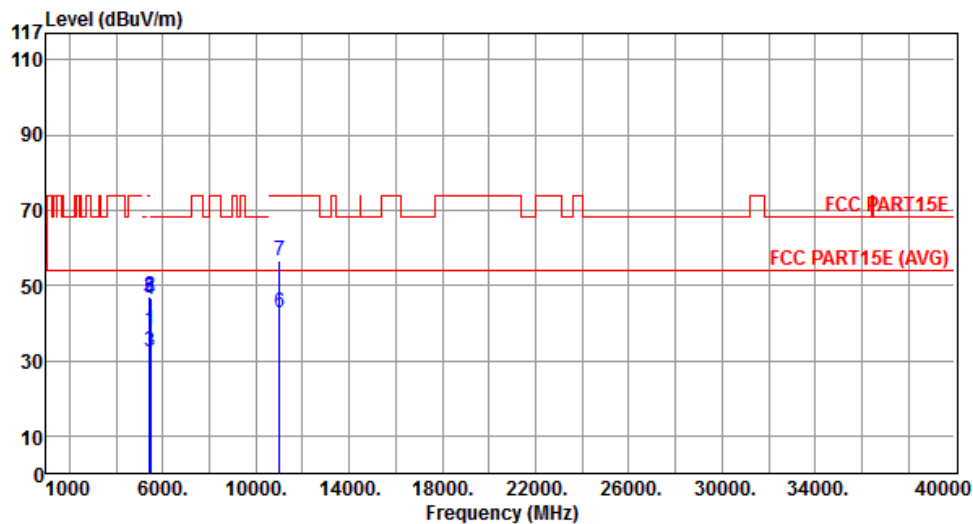


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	37.57	54.00	-16.43	32.48	5.09	Average	---	---
2	5350.00	50.08	74.00	-23.92	44.99	5.09	Peak	---	---
3	5400.00	38.91	54.00	-15.09	33.81	5.10	Average	---	---
4	5400.00	50.17	74.00	-23.83	45.07	5.10	Peak	---	---
5	10640.00	42.82	54.00	-11.18	27.84	14.98	Average	---	---
6	10640.00	56.96	74.00	-17.04	41.98	14.98	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5500
Test Mode	AC power & Radio link		

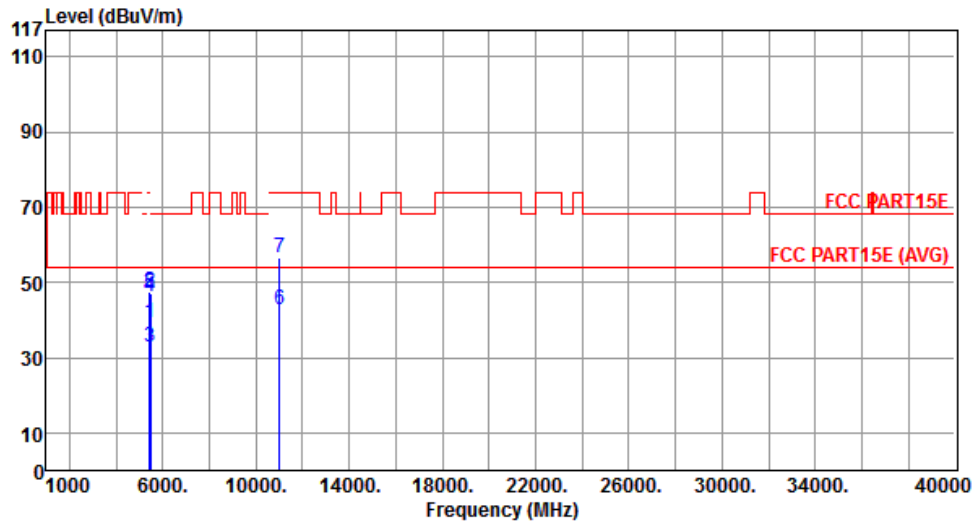


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	37.98	54.00	-16.02	32.86	5.12	Average	---	---
2	5420.00	46.87	74.00	-27.13	41.75	5.12	Peak	---	---
3	5460.00	32.49	54.00	-21.51	27.31	5.18	Average	---	---
4	5460.00	46.24	74.00	-27.76	41.06	5.18	Peak	---	---
5	5470.00	46.57	68.30	-21.73	41.38	5.19	Peak	---	---
6	11000.00	42.83	54.00	-11.17	27.55	15.28	Average	---	---
7	11000.00	56.55	74.00	-17.45	41.27	15.28	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5500
Test Mode	AC power & Radio link		

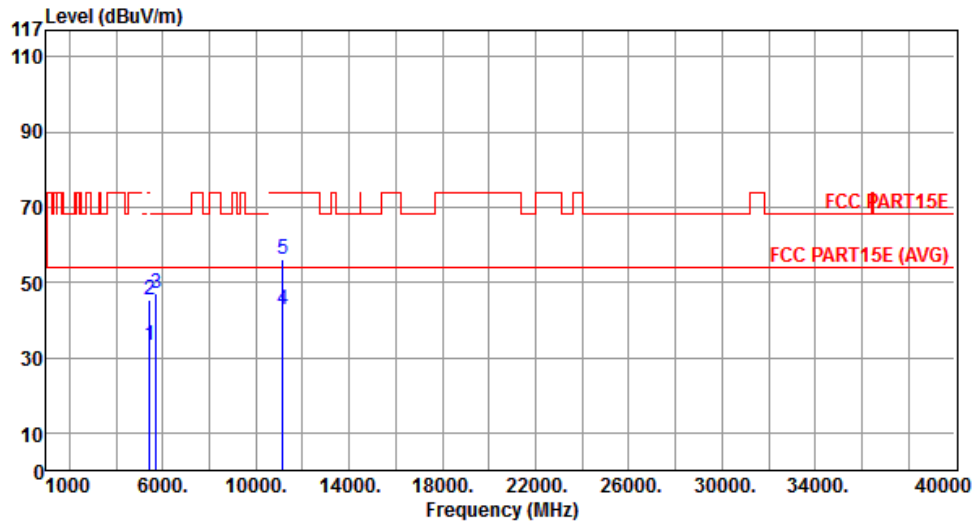


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	39.38	54.00	-14.62	34.26	5.12	Average	---	---
2	5420.00	47.64	74.00	-26.36	42.52	5.12	Peak	---	---
3	5460.00	32.75	54.00	-21.25	27.57	5.18	Average	---	---
4	5460.00	46.31	74.00	-27.69	41.13	5.18	Peak	---	---
5	5470.00	46.87	68.30	-21.43	41.68	5.19	Peak	---	---
6	11000.00	42.66	54.00	-11.34	27.38	15.28	Average	---	---
7	11000.00	56.53	74.00	-17.47	41.25	15.28	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5580
Test Mode	AC power & Radio link		

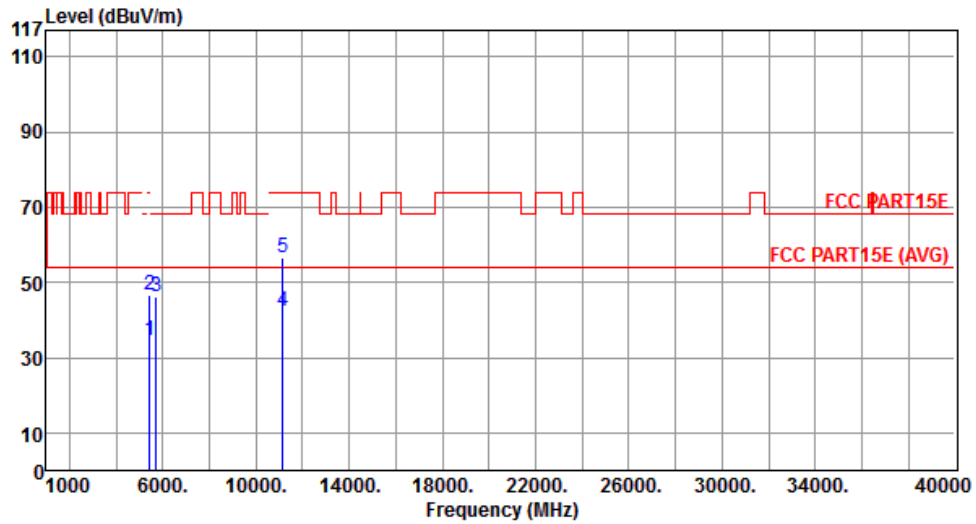


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	33.09	54.00	-20.91	27.97	5.12	Average	---	---
2	5420.00	45.41	74.00	-28.59	40.29	5.12	Peak	---	---
3	5725.00	46.88	68.30	-21.42	41.32	5.56	Peak	---	---
4	11160.00	42.54	54.00	-11.46	27.36	15.18	Average	---	---
5	11160.00	56.26	74.00	-17.74	41.08	15.18	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5580
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	34.55	54.00	-19.45	29.43	5.12	Average	---	---
2	5420.00	46.51	74.00	-27.49	41.39	5.12	Peak	---	---
3	5725.00	46.18	68.30	-22.12	40.62	5.56	Peak	---	---
4	11160.00	42.27	54.00	-11.73	27.09	15.18	Average	---	---
5	11160.00	56.71	74.00	-17.29	41.53	15.18	Peak	---	---

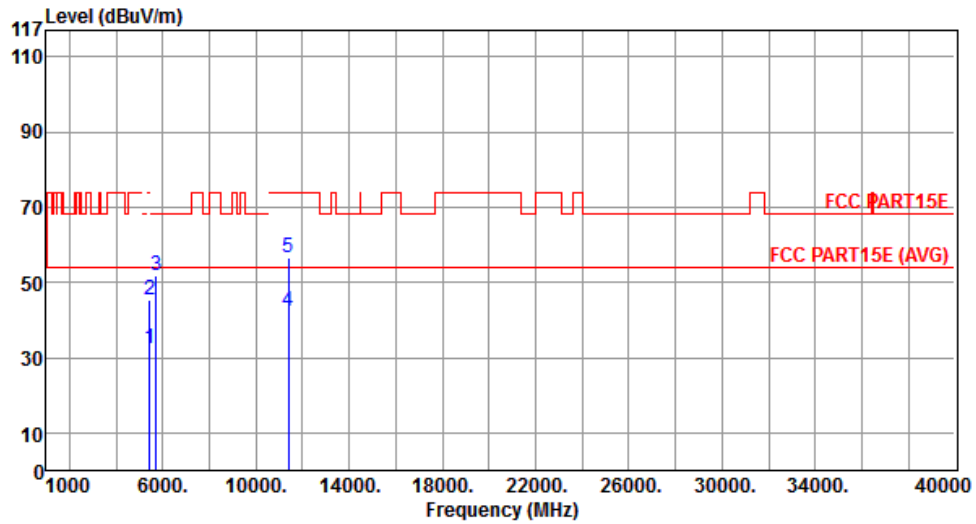
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5700
Test Mode	AC power & Radio link		

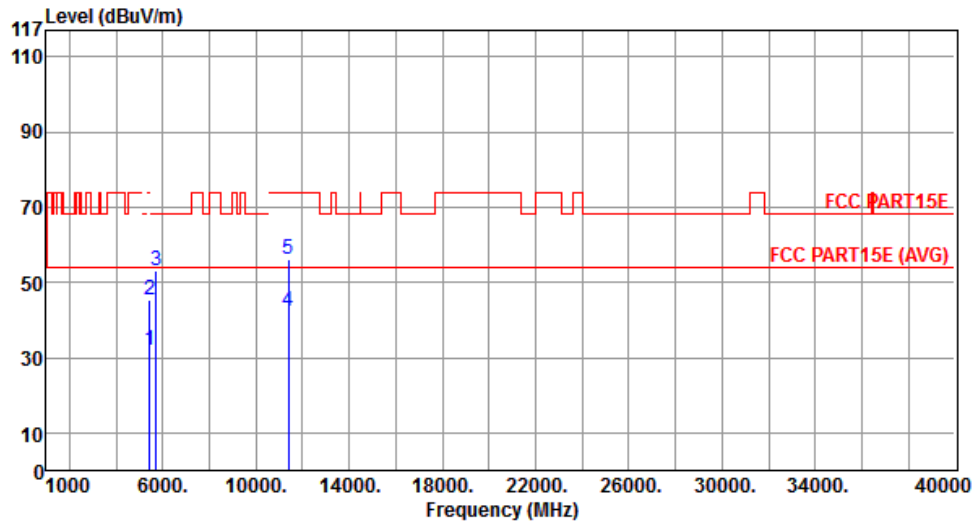


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	32.54	54.00	-21.46	27.42	5.12	Average	---	---
2	5420.00	45.52	74.00	-28.48	40.40	5.12	Peak	---	---
3	5725.00	51.88	68.30	-16.42	46.32	5.56	Peak	---	---
4	11400.00	42.27	54.00	-11.73	27.24	15.03	Average	---	---
5	11400.00	56.61	74.00	-17.39	41.58	15.03	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5700
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5420.00	32.16	54.00	-21.84	27.04	5.12	Average	---	---
2	5420.00	45.48	74.00	-28.52	40.36	5.12	Peak	---	---
3	5725.00	53.11	68.30	-15.19	47.55	5.56	Peak	---	---
4	11400.00	42.24	54.00	-11.76	27.21	15.03	Average	---	---
5	11400.00	56.21	74.00	-17.79	41.18	15.03	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

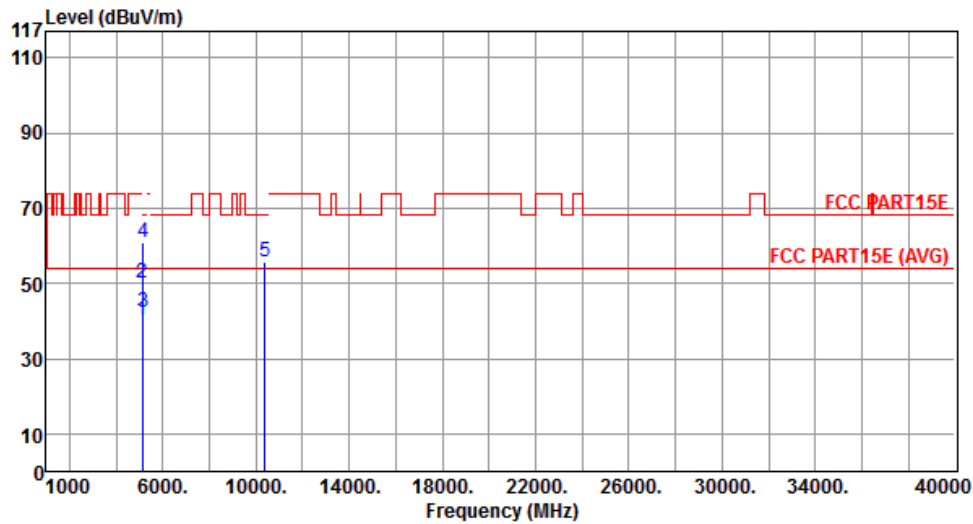
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



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

Polarization	Horizontal	Test Freq. (MHz)	5190
Test Mode	AC power & Radio link		

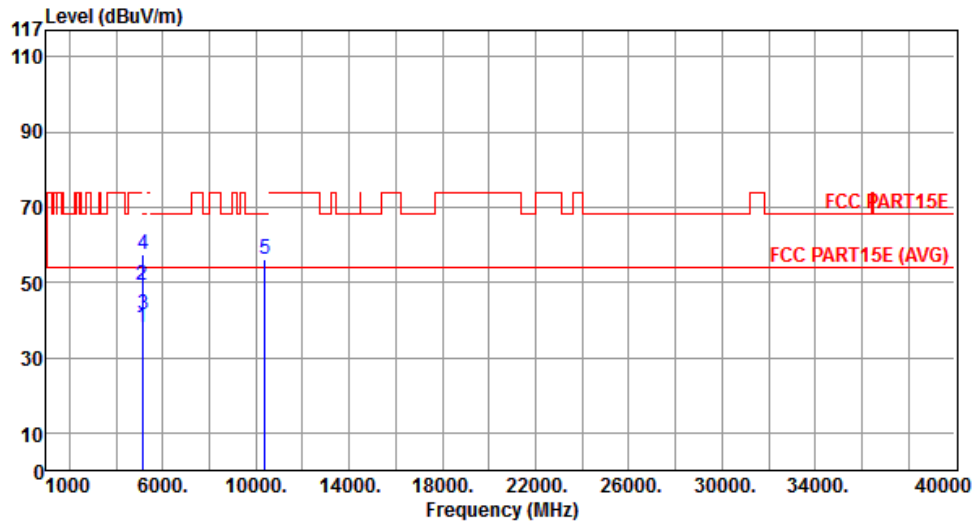


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5110.00	39.97	54.00	-14.03	35.11	4.86	Average	---	---
2	5110.00	50.01	74.00	-23.99	45.15	4.86	Peak	---	---
3	5150.00	42.40	54.00	-11.60	37.46	4.94	Average	---	---
4	5150.00	60.86	74.00	-13.14	55.92	4.94	Peak	---	---
5	10380.00	55.87	68.30	-12.43	41.14	14.73	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5190
Test Mode	AC power & Radio link		

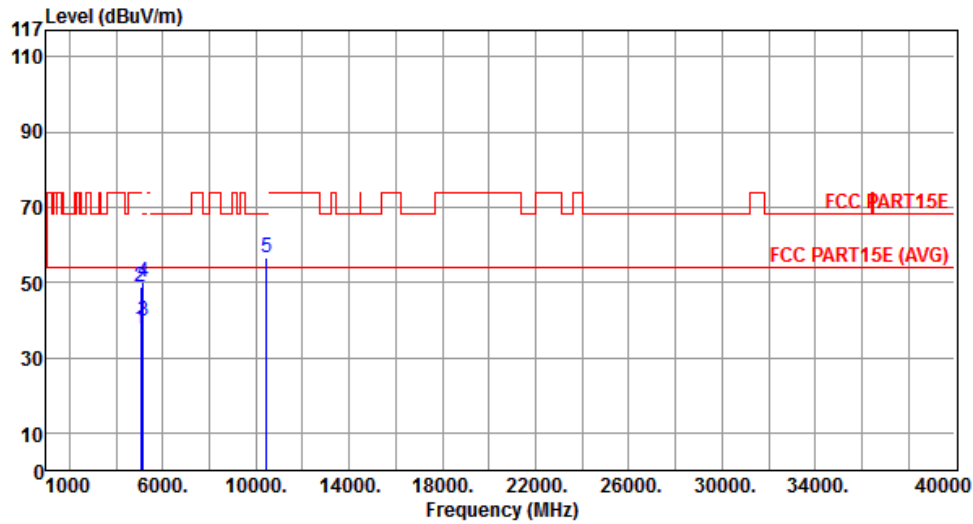


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5110.00	38.10	54.00	-15.90	33.24	4.86	Average	---	---
2	5110.00	49.10	74.00	-24.90	44.24	4.86	Peak	---	---
3	5150.00	41.28	54.00	-12.72	36.34	4.94	Average	---	---
4	5150.00	57.47	74.00	-16.53	52.53	4.94	Peak	---	---
5	10380.00	55.98	68.30	-12.32	41.25	14.73	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5230
Test Mode	AC power & Radio link		

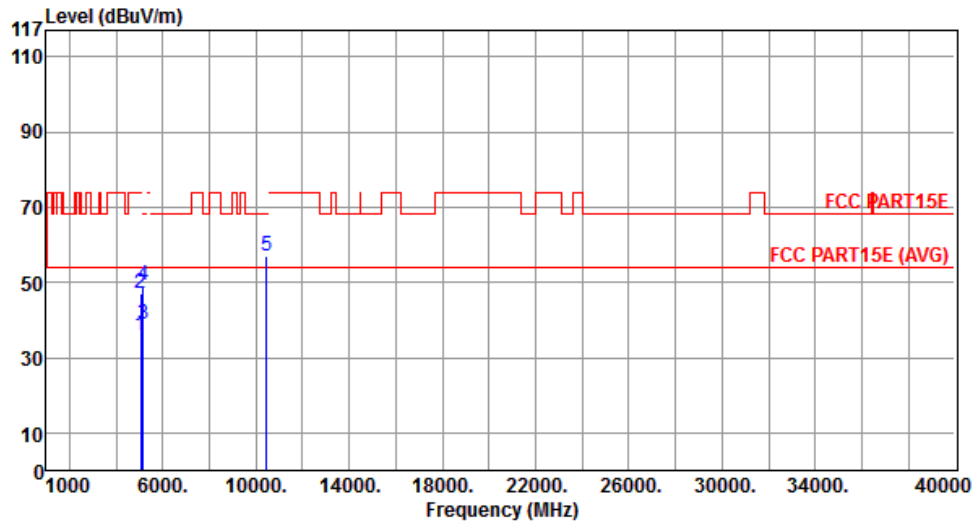


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5070.00	37.53	54.00	-16.47	32.77	4.76	Average	---	---
2	5070.00	48.60	74.00	-25.40	43.84	4.76	Peak	---	---
3	5150.00	39.74	54.00	-14.26	34.80	4.94	Average	---	---
4	5150.00	50.11	74.00	-23.89	45.17	4.94	Peak	---	---
5	10460.00	56.66	68.30	-11.64	41.84	14.82	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5230
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5070.00	35.84	54.00	-18.16	31.08	4.76	Average	---	---
2	5070.00	47.01	74.00	-26.99	42.25	4.76	Peak	---	---
3	5150.00	38.78	54.00	-15.22	33.84	4.94	Average	---	---
4	5150.00	49.06	74.00	-24.94	44.12	4.94	Peak	---	---
5	10460.00	56.79	68.30	-11.51	41.97	14.82	Peak	---	---

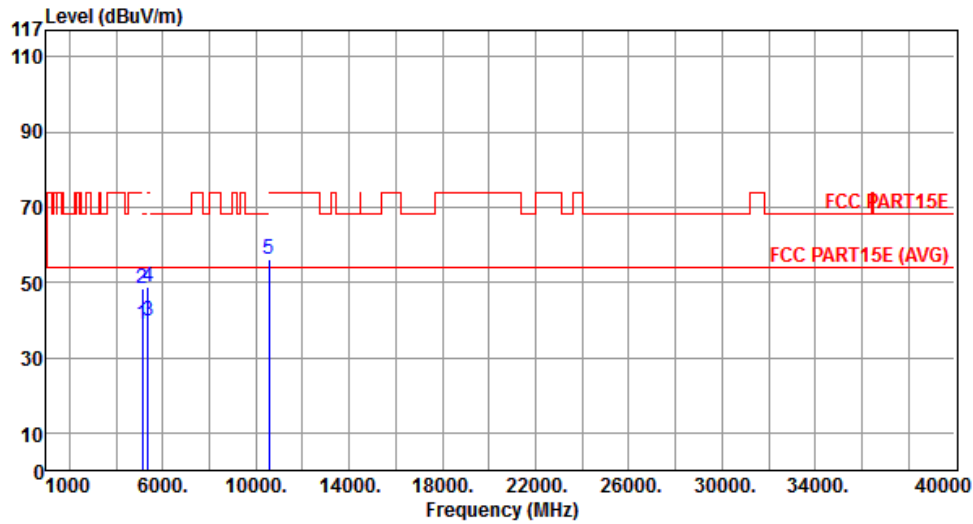
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5270
Test Mode	AC power & Radio link		

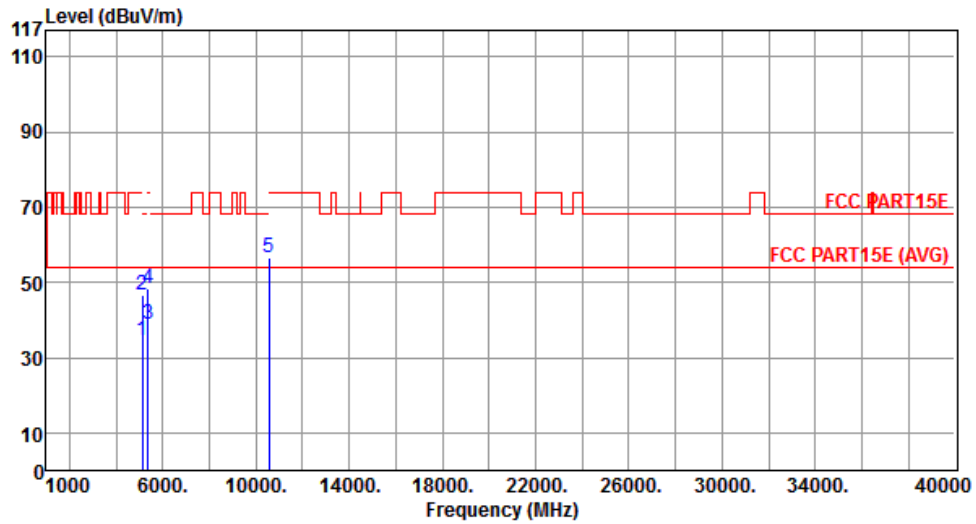


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5110.00	38.98	54.00	-15.02	34.12	4.86	Average	---	---
2	5110.00	48.50	74.00	-25.50	43.64	4.86	Peak	---	---
3	5350.00	39.67	54.00	-14.33	34.58	5.09	Average	---	---
4	5350.00	48.76	74.00	-25.24	43.67	5.09	Peak	---	---
5	10540.00	56.27	68.30	-12.03	41.37	14.90	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5270
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5110.00	34.50	54.00	-19.50	29.64	4.86	Average	---	---
2	5110.00	46.64	74.00	-27.36	41.78	4.86	Peak	---	---
3	5350.00	38.69	54.00	-15.31	33.60	5.09	Average	---	---
4	5350.00	48.35	74.00	-25.65	43.26	5.09	Peak	---	---
5	10540.00	56.43	68.30	-11.87	41.53	14.90	Peak	---	---

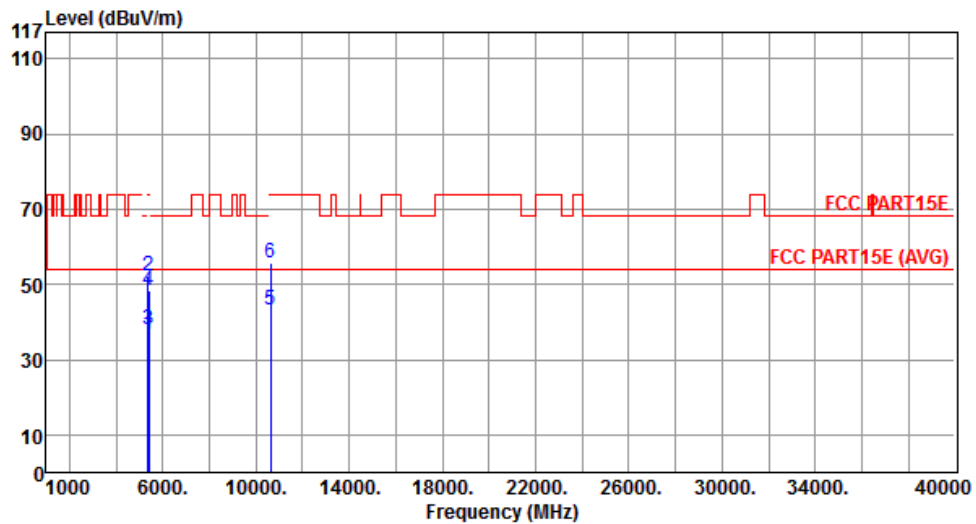
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5310
Test Mode	AC power & Radio link		



	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	36.86	54.00	-17.14	31.77	5.09	Average	---	---
2	5350.00	52.07	74.00	-21.93	46.98	5.09	Peak	---	---
3	5390.00	38.01	54.00	-15.99	32.92	5.09	Average	---	---
4	5390.00	48.44	74.00	-25.56	43.35	5.09	Peak	---	---
5	10620.00	43.00	54.00	-11.00	28.04	14.96	Average	---	---
6	10620.00	55.73	74.00	-18.27	40.77	14.96	Peak	---	---

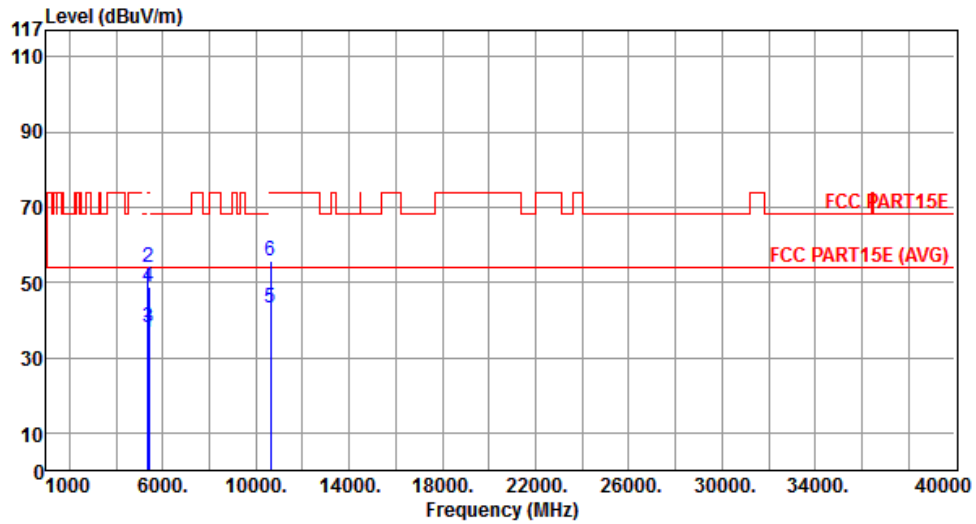
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5310
Test Mode	AC power & Radio link		



	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	36.84	54.00	-17.16	31.75	5.09	Average	---	---
2	5350.00	54.10	74.00	-19.90	49.01	5.09	Peak	---	---
3	5390.00	38.18	54.00	-15.82	33.09	5.09	Average	---	---
4	5390.00	48.93	74.00	-25.07	43.84	5.09	Peak	---	---
5	10620.00	43.16	54.00	-10.84	28.20	14.96	Average	---	---
6	10620.00	55.80	74.00	-18.20	40.84	14.96	Peak	---	---

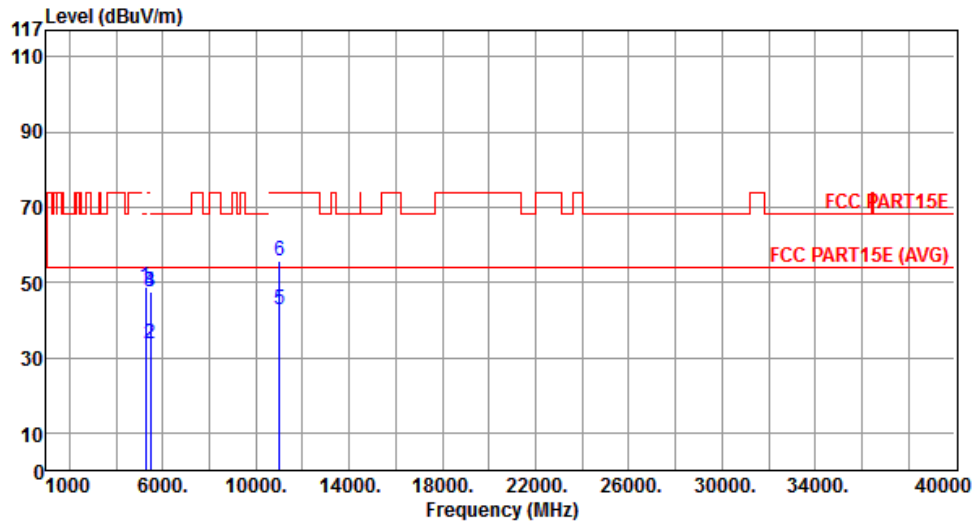
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5510
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5270.00	48.91	68.30	-19.39	43.84	5.07	Peak	---	---
2	5460.00	33.51	54.00	-20.49	28.33	5.18	Average	---	---
3	5460.00	47.40	74.00	-26.60	42.22	5.18	Peak	---	---
4	5470.00	47.45	68.30	-20.85	42.26	5.19	Peak	---	---
5	11020.00	42.85	54.00	-11.15	27.58	15.27	Average	---	---
6	11020.00	55.66	74.00	-18.34	40.39	15.27	Peak	---	---

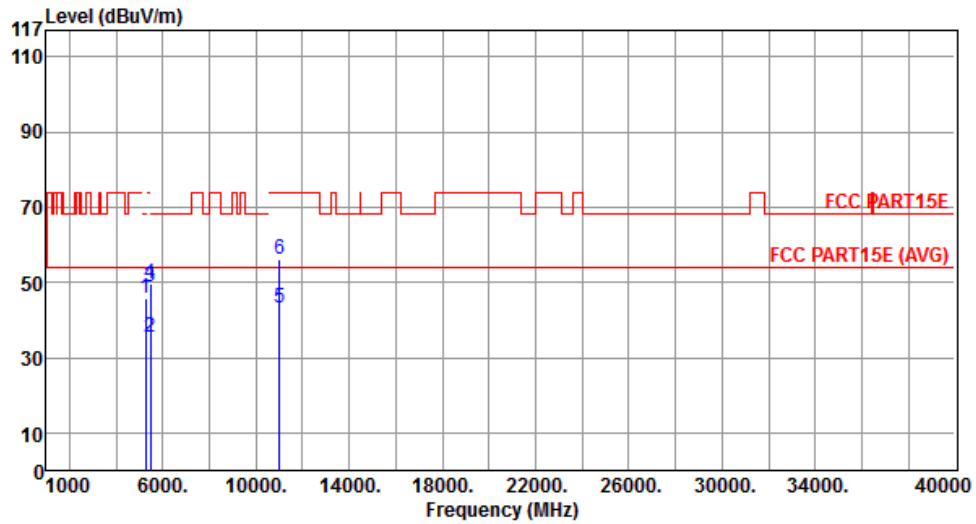
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5510
Test Mode	AC power & Radio link		

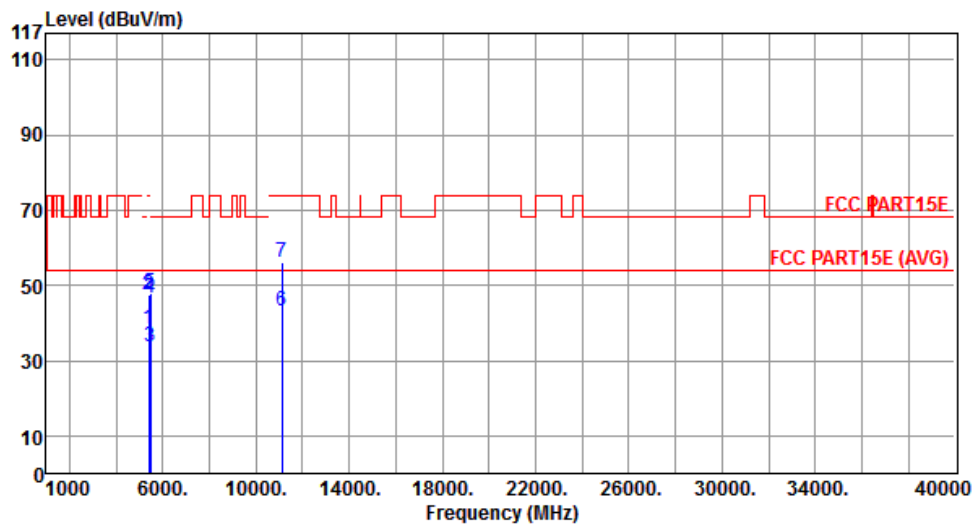


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5270.00	45.78	68.30	-22.52	40.71	5.07	Peak	---	---
2	5460.00	35.34	54.00	-18.66	30.16	5.18	Average	---	---
3	5470.00	48.64	74.00	-25.36	43.46	5.18	Peak	---	---
4	5470.00	49.86	68.30	-18.44	44.67	5.19	Peak	---	---
5	11020.00	43.11	54.00	-10.89	27.84	15.27	Average	---	---
6	11020.00	55.95	74.00	-18.05	40.68	15.27	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5550
Test Mode	AC power & Radio link		

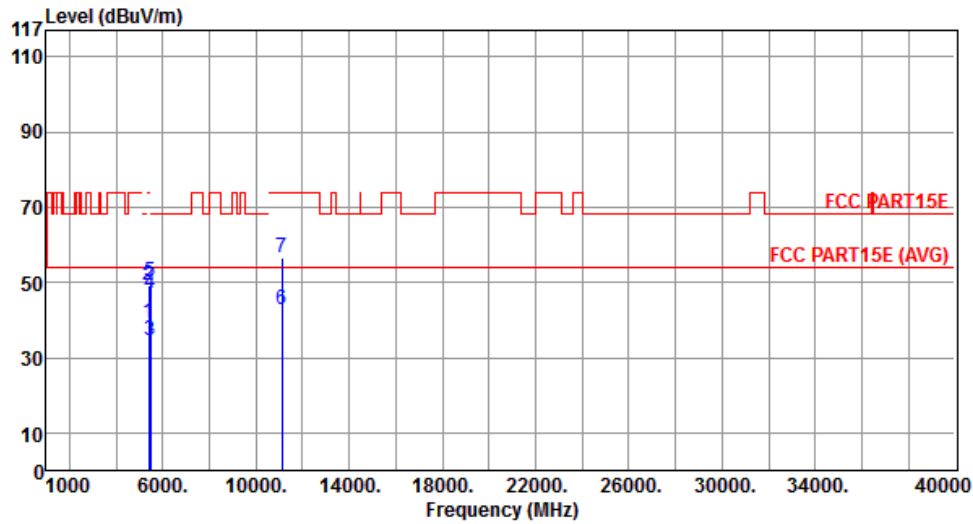


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5390.00	38.31	54.00	-15.69	33.22	5.09	Average	---	---
2	5390.00	47.48	74.00	-26.52	42.39	5.09	Peak	---	---
3	5460.00	33.84	54.00	-20.16	28.66	5.18	Average	---	---
4	5460.00	46.80	74.00	-27.20	41.62	5.18	Peak	---	---
5	5470.00	47.77	68.30	-20.53	42.58	5.19	Peak	---	---
6	11100.00	43.07	54.00	-10.93	27.85	15.22	Average	---	---
7	11100.00	56.15	74.00	-17.85	40.93	15.22	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5550
Test Mode	AC power & Radio link		

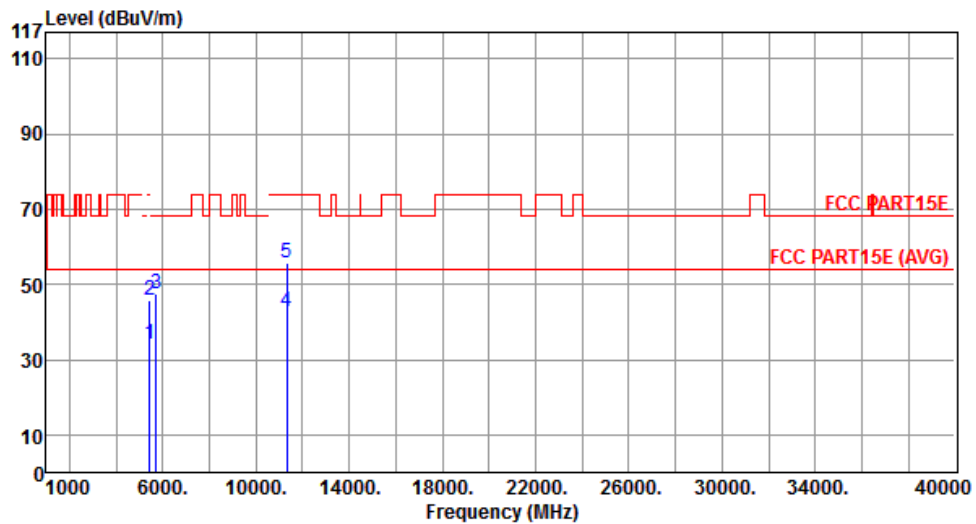


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5390.00	39.45	54.00	-14.55	34.36	5.09	Average	---	---
2	5390.00	49.38	74.00	-24.62	44.29	5.09	Peak	---	---
3	5460.00	34.50	54.00	-19.50	29.32	5.18	Average	---	---
4	5460.00	46.98	74.00	-27.02	41.80	5.18	Peak	---	---
5	5470.00	50.05	68.30	-18.25	44.86	5.19	Peak	---	---
6	11100.00	42.84	54.00	-11.16	27.62	15.22	Average	---	---
7	11100.00	56.61	74.00	-17.39	41.39	15.22	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5670
Test Mode	AC power & Radio link		

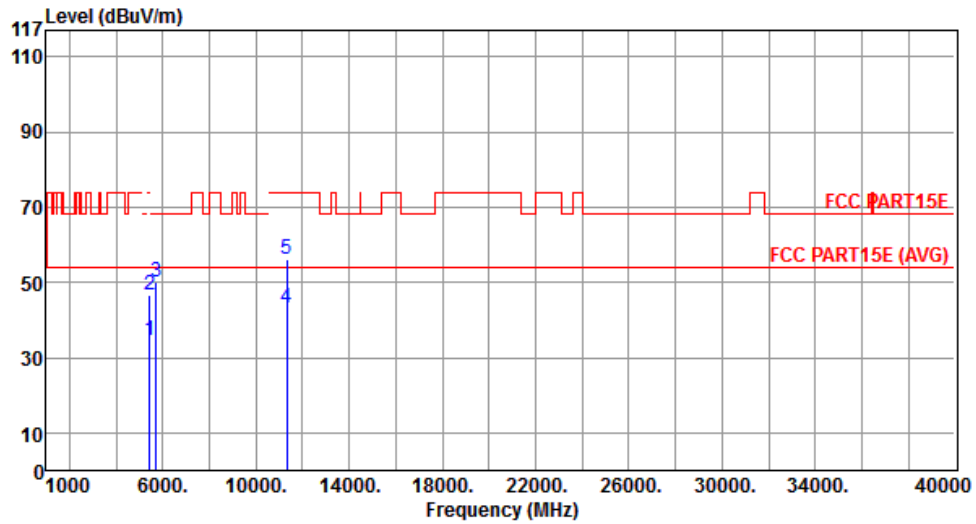


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5430.00	34.08	54.00	-19.92	28.94	5.14	Average	---	---
2	5430.00	45.90	74.00	-28.10	40.76	5.14	Peak	---	---
3	5725.00	47.56	68.30	-20.74	42.00	5.56	Peak	---	---
4	11340.00	42.75	54.00	-11.25	27.68	15.07	Average	---	---
5	11340.00	55.59	74.00	-18.41	40.52	15.07	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5670
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5430.00	34.64	54.00	-19.36	29.50	5.14	Average	---	---
2	5430.00	46.54	74.00	-27.46	41.40	5.14	Peak	---	---
3	5725.00	49.95	68.30	-18.35	44.39	5.56	Peak	---	---
4	11340.00	43.38	54.00	-10.62	28.31	15.07	Average	---	---
5	11340.00	56.05	74.00	-17.95	40.98	15.07	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

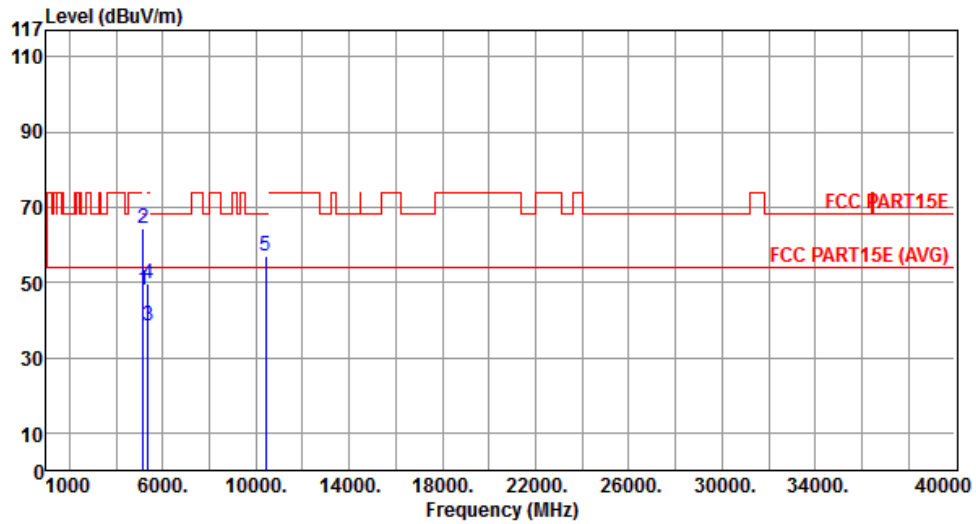


3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

Polarization	Horizontal	Test Freq. (MHz)	5210						
Test Mode	AC power & Radio link								
	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	40.63	4.94	Average	---	---
2	5150.00	62.84	74.00	-11.16	57.90	4.94	Peak	---	---
3	5370.00	41.02	54.00	-12.98	35.93	5.09	Average	---	---
4	5370.00	52.60	74.00	-21.40	47.51	5.09	Peak	---	---
5	10420.00	55.96	68.30	-12.34	41.19	14.77	Peak	---	---
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.</p> <p>Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.</p> <p>Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.</p>									



Polarization	Vertical	Test Freq. (MHz)	5210
Test Mode	AC power & Radio link		

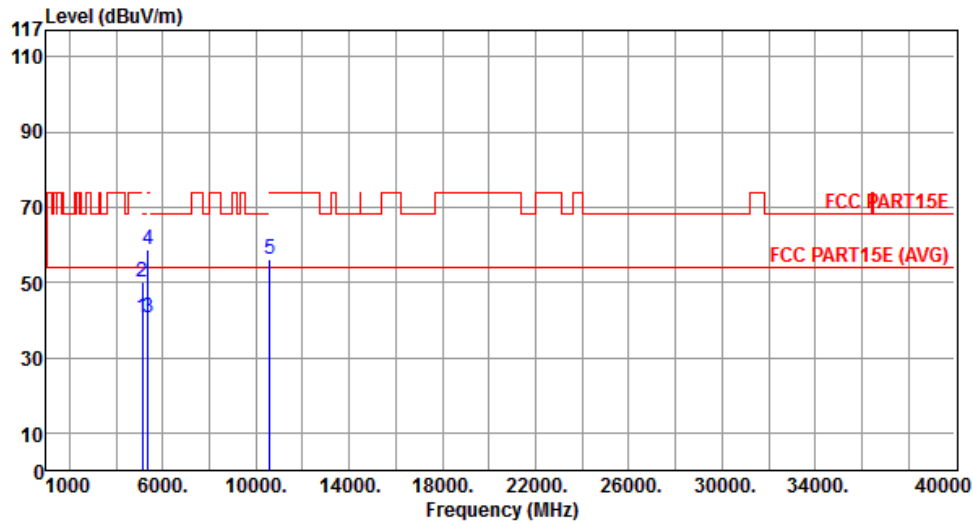


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.81	54.00	-6.19	42.87	4.94	Average	---	---
2	5150.00	64.52	74.00	-9.48	59.58	4.94	Peak	---	---
3	5370.00	38.57	54.00	-15.43	33.48	5.09	Average	---	---
4	5370.00	49.45	74.00	-24.55	44.36	5.09	Peak	---	---
5	10420.00	56.88	68.30	-11.42	42.11	14.77	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5290
Test Mode	AC power & Radio link		

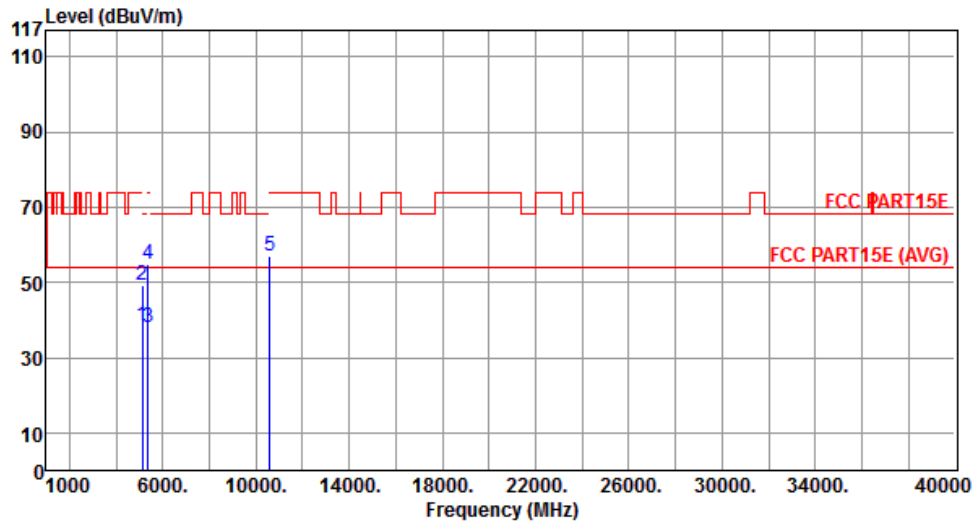


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5130.00	40.70	54.00	-13.30	35.80	4.90	Average	---	---
2	5130.00	49.96	74.00	-24.04	45.06	4.90	Peak	---	---
3	5350.00	40.64	54.00	-13.36	35.55	5.09	Average	---	---
4	5350.00	58.56	74.00	-15.44	53.47	5.09	Peak	---	---
5	10580.00	56.30	68.30	-12.00	41.37	14.93	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5290
Test Mode	AC power & Radio link		

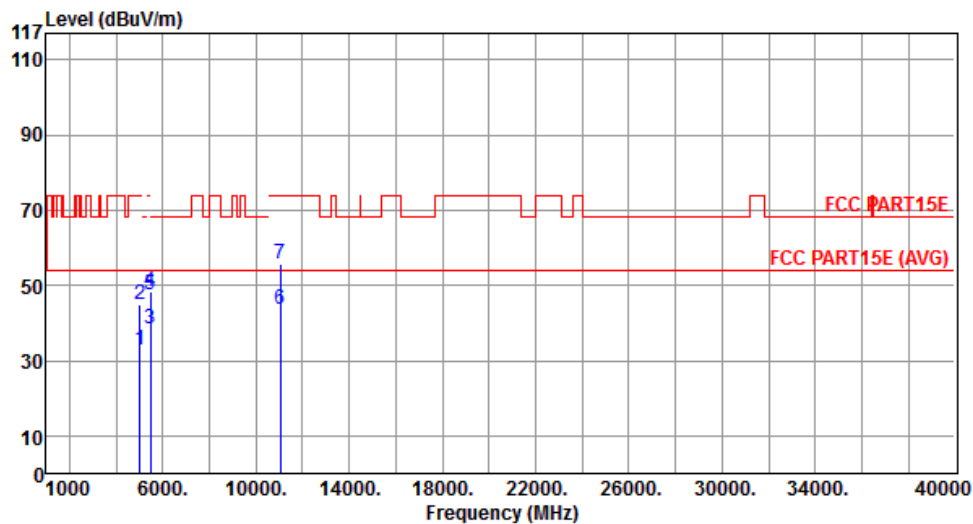


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5130.00	38.64	54.00	-15.36	33.74	4.90	Average	---	---
2	5130.00	49.18	74.00	-24.82	44.28	4.90	Peak	---	---
3	5350.00	38.21	54.00	-15.79	33.12	5.09	Average	---	---
4	5350.00	54.73	74.00	-19.27	49.64	5.09	Peak	---	---
5	10580.00	57.19	68.30	-11.11	42.26	14.93	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Horizontal	Test Freq. (MHz)	5530
Test Mode	AC power & Radio link		

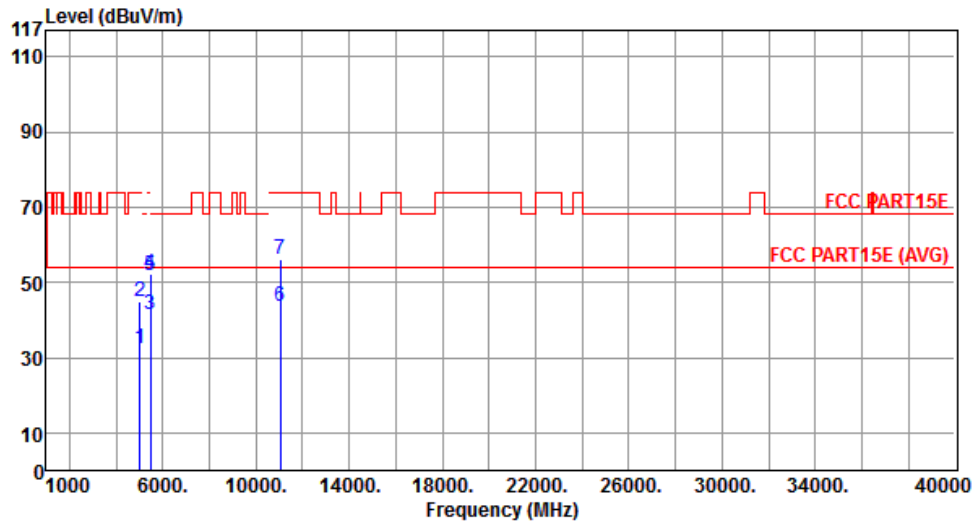


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5026.00	32.61	54.00	-21.39	27.94	4.67	Average	---	---
2	5026.00	44.99	74.00	-29.01	40.32	4.67	Peak	---	---
3	5460.00	38.49	54.00	-15.51	33.31	5.18	Average	---	---
4	5460.00	48.50	74.00	-25.50	43.32	5.18	Peak	---	---
5	5470.00	47.56	68.30	-20.74	42.37	5.19	Peak	---	---
6	11060.00	43.59	54.00	-10.41	28.35	15.24	Average	---	---
7	11060.00	55.78	74.00	-18.22	40.54	15.24	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Polarization	Vertical	Test Freq. (MHz)	5530
Test Mode	AC power & Radio link		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5026.00	32.46	54.00	-21.54	27.79	4.67	Average	---	---
2	5026.00	44.81	74.00	-29.19	40.14	4.67	Peak	---	---
3	5460.00	41.61	54.00	-12.39	36.43	5.18	Average	---	---
4	5460.00	52.25	74.00	-21.75	47.07	5.18	Peak	---	---
5	5470.00	51.68	68.30	-16.62	46.49	5.19	Peak	---	---
6	11060.00	43.51	54.00	-10.49	28.27	15.24	Average	---	---
7	11060.00	56.18	74.00	-17.82	40.94	15.24	Peak	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



3.7 Frequency Stability

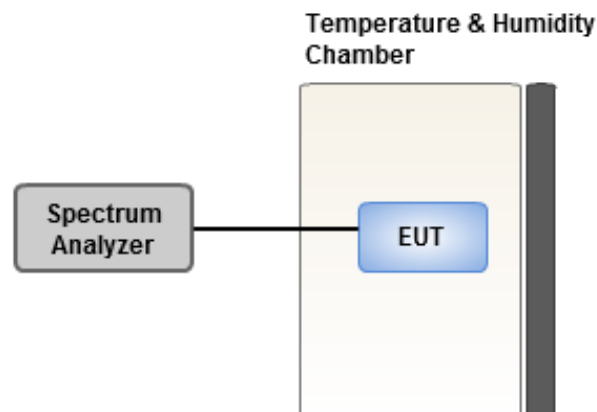
3.7.1 Limit of Frequency Stability

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

3.7.2 Test Procedures

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

3.7.3 Test Setup





3.7.4 Test Result of Frequency Stability

Frequency: 5320 MHz	Frequency Drift (ppm)			
	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.63	1.09	0.72	0.48
T20°CVmin	4.72	4.89	5.18	4.37
T55°CVnom	4.45	4.56	4.81	4.27
T50°CVnom	-1.11	-0.96	-1.33	-0.57
T40°CVnom	-0.87	0.02	-1.16	-0.79
T30°CVnom	0.58	0.80	0.51	1.40
T20°CVnom	-0.25	0.10	-0.26	0.03
T10°CVnom	-0.93	-1.05	-1.01	-0.58
T0°CVnom	-0.51	-0.08	-0.31	-0.58
T-10°CVnom	-0.09	0.25	-0.24	-0.02
T-20°CVnom	-0.98	-0.88	-0.18	-0.50
Vnom [Vdc]: 110	Vmax [Vdc]: 126.5		Vmin [Vdc]: 93.5	
Tnom [°C]: 20	Tmax [°C]: 55		Tmin [°C]: -30	

==END==