FCC Test Report

FCC ID	:	**XVG50-0102-QT-BL**
Equipment	:	**HD IPTV receiver**
Model No.	:	**Kamai751Q, Amulet 756Q** **(Refer to item 1.1.1 for more details)**
Multiple Listing	:	**Kamai 7XYQzzzzzz** **(where "X" can be 0-9, "Y" can be 0-9; "zzzzzz" can be any combination of "0-9" , "a-z","-", "/" or blank for marketing purpose)** **Amulet 7XYQzzzzzz** **(where "X" can be 0-9, "Y" can be 0-9; "zzzzzz" can be any combination of "0-9" , "a-z","-", "/" or blank for marketing purpose)**
Brand Name	:	**Amino**
Applicant	:	**Amino Communications Ltd**
Address	:	**Buckingway Business Park, Anderson Road, Swavesey, Cambridge CB24 4UQ, United Kingdom**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jun. 13, 2017**
Tested Date	:	**Jul. 07 ~ Sep. 26, 2017**

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

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

Testing Laboratory 2732

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Release Record

Report No.	Version	Description	Issued Date
FR761304-01AN	Rev. 01	Initial issue	Oct. 05, 2017

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.365MHz 40.31 (Margin -8.30dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5350.00MHz 73.76 (Margin -0.24dB) – PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5150~5250MHz: 23.63 5250~5350MHz: 23.50 5470~5725MHz: 23.40 5725~5850MHz: 25.55 ***Beamforming mode*** 5150~5250MHz: 23.37 5250~5350MHz: 23.36 5470~5725MHz: 23.55 5725~5850MHz: 25.25	Pass
15.407(a)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Model Name	Multiple Listing	Product Name	Description
Kamai751Q	Kamai 7XYQzzzzzz (where “X” can be 0-9, “Y” can be 0-9; “zzzzzz” can be any combination of “0-9” , “a-z”,”-“, “/” or blank for marketing purpose)	HD IPTV receiver	Without HDD
Amulet 756Q	Amulet 7XYQzzzzzz (where “X” can be 0-9, “Y” can be 0-9; “zzzzzz” can be any combination of “0-9” , “a-z”,”-“, “/” or blank for marketing purpose)		With HDD

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	4	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-134 [5] 151-159 [2]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [11] 149-165 [5]	4	NSSI 2-4, MCS 0-8
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-134 [5] 151-159 [2]	4	NSSI 2-4, MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5610 5775	42 [1] 58 [1] 106-122 [2] 155 [1]	4	NSSI 2-4, MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation. Note 3: 802.11ac supports beamforming mode.					

1.1.3 Antenna Details

Model Name: Kamai751Q

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
				5150~5350	5470~5725	5725~5850
1	ANT 1	Dipole	IPEX	3.25		
2	ANT 2	Dipole	IPEX	3.17		
3	ANT 3	Dipole	IPEX	2.84		
4	ANT 4	Dipole	IPEX	3.03		

Model Name: Amulet 756Q

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
				5150~5350	5470~5725	5725~5850
1	ANT 1	Dipole	IPEX	2.99		
2	ANT 2	Dipole	IPEX	3.05		
3	ANT 3	Dipole	IPEX	3.19		
4	ANT 4	Dipole	IPEX	3.29		

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from AC adapter

1.1.5 Accessories

Model Name: Kamai751Q

Accessories		
No.	**Equipment**	**Description**
1	Adapter 1	Brand Name: MOSO Model Name: MSA-C2000IS12.0-24Y-US I/P: 100-120Vac, 50/60Hz, 0.7A Max O/P: 12Vdc, 2A Power line: 1.8m non-shielded without core
2	Adapter 2	Brand Name: APD Model Name: WA-24Q12R-EBAB I/P: 100-120Vac, 50-60Hz, 0.7A Max O/P: 12Vdc, 2A Power line: 1.8m non-shielded without core
3	3.5mm to 3RCA cable	Brand : Interconnect Model : KFA1141105074-5, Power line: 1.75m, non-shielded, without core
4	HDMI cable	Brand : Interconnect Model : 18-94H1CS-372G-H Power line: 2m, shielded, without ferrite core
5	Ethernet cable	Brand :WENET Model : P355-3-1 Power line: 2m, non-shielded cable, w/o ferrite core
6.	Remote control	---

Model Name: Amulet 756Q

Accessories		
No.	**Equipment**	**Description**
1	Adapter 1	Brand Name: MOSO Model Name: MSA-C2000IS12.0-24Y-US I/P: 100-120Vac, 50/60Hz, 0.7A Max O/P: 12Vdc, 2A Power line: 1.8m non-shielded without core
2	Adapter 2	Brand Name: APD Model Name: WA-24Q12R-EBAB I/P: 100-120Vac, 50-60Hz, 0.7A Max O/P: 12Vdc, 2A Power line: 1.8m non-shielded without core
3	3.5mm to 3RCA cable	Brand Name: Interconnect Model Name: KFA1141105074-5, Power line: 1.75m, non-shielded, without core
4	HDMI cable	Brand : Interconnect Model Name 18-94H1CS-372G-H Power line: 2m, shielded, without ferrite core
5	Ethernet cable	Brand Name: WENET Model Name P355-3-1 Power line: 2m, non-shielded cable, w/o ferrite core
6	Remote control	---
7	HDD	Brand Name: WD Model Name: WD10JUCT

1.1.6 Channel List

802.11 a / HT20 / VHT20		HT40 / VHT40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	151	5755
108	5540	159	5795
112	5560	**VHT80**	
116	5580	42	5210
120	5600	58	5290
124	5620	106	5530
128	5640	122	5610
132	5660	155	5775
136	5680	---	---
140	5700	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	telnet				
Duty Cycle and Duty Factor	Mode	Non-beamforming		Beamforming	
		Duty cycle (%)	Duty factor (dB)	Duty cycle (%)	Duty factor (dB)
	11a	92.20%	0.35	---	---
	VHT20	99.46%	0.02	95.47%	0.20
	VHT40	98.14%	0.08	87.86%	0.56
	VHT80	96.14%	0.17	94.32%	0.25

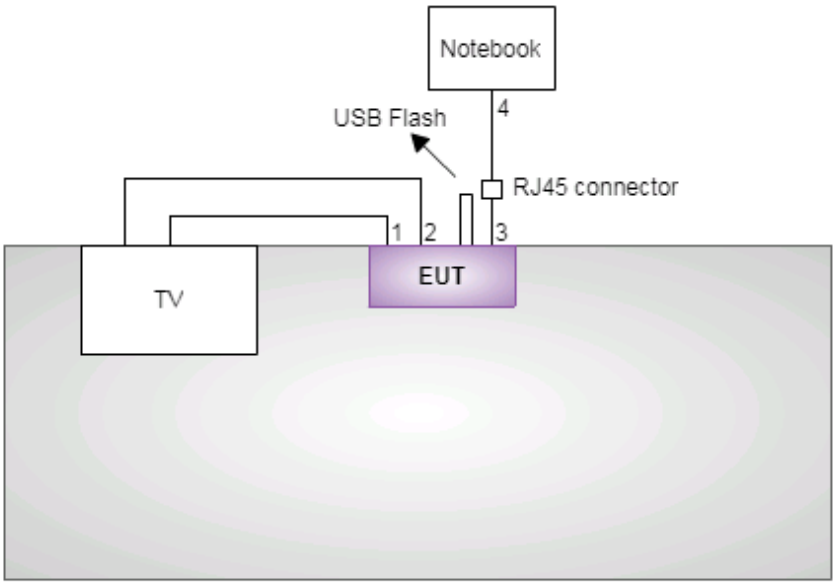
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Signal cable / Length (m)**
1	Notebook	DELL	Latitude E6430	9ZFB4X1	RJ45, 10m non-shielded Ethernet, 2m non-shielded
2	Notebook	DELL	Latitude E6440	2PXMD12	RJ45, 1m non-shielded
3	TV	CHIMEI	TL-24LF500D	24LF500DK 3511822	3.5mm to 3RCA, 1.75m non-shielded HDMI, 2m shielded
4	USB 3.0 Flash	pqi	U273V 16G	51882	---
5	Beamforming	amino	WA-24Q12R	---	RJ45, 1m non-shielded

1.3 Test Setup Chart

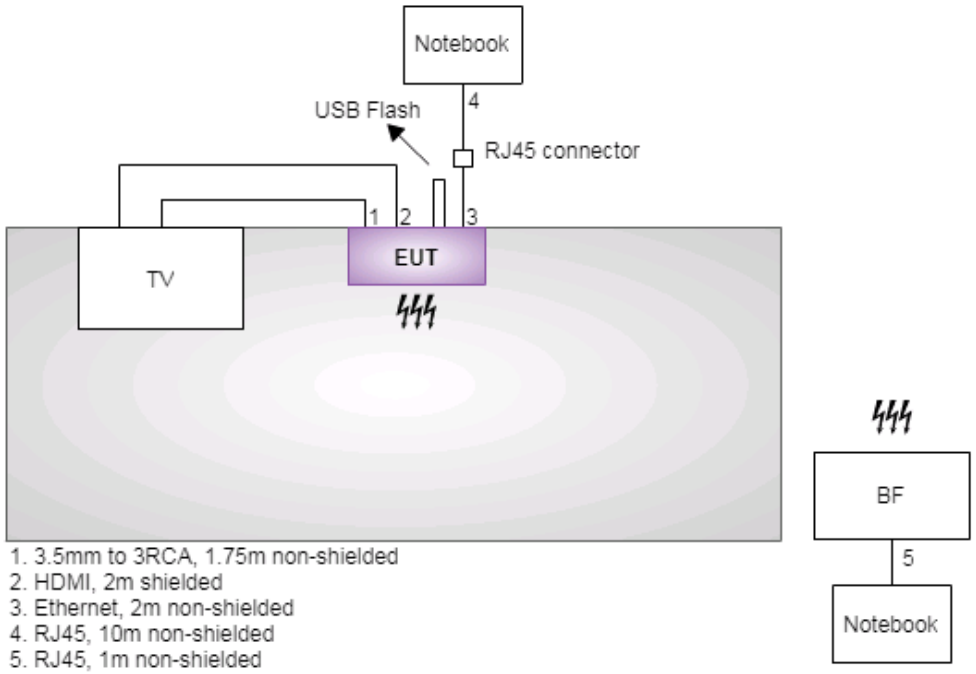
Non-beamforming mode

Test Setup Diagram



1. 3.5mm to 3RCA, 1.75m non-shielded
2. HDMI, 2m shielded
3. Ethernet, 2m non-shielded
4. RJ45, 10m non-shielded

Beamforming mode

Test Setup Diagram
 1. 3.5mm to 3RCA, 1.75m non-shielded 2. HDMI, 2m shielded 3. Ethernet, 2m non-shielded 4. RJ45, 10m non-shielded 5. RJ45, 1m non-shielded

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Jul. 11, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Dec. 21, 2016	Dec. 20, 2017
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 08, 2016	Nov. 07, 2017
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Nov. 25, 2016	Nov. 24, 2017
RF Cable-CON	EMC	EMCCFD300-BM-BM-6000	50821	Dec. 20, 2016	Dec. 19, 2017
50 ohm terminal (Support Unit)	NA	50	04	May 12, 2017	May 11, 2018
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Jul. 07, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 09, 2016	Sep. 08, 2017
Receiver	Agilent	N9038A	MY53290044	Oct. 06, 2016	Oct. 05, 2017
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 28, 2017	Apr. 27, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 09, 2017	Feb. 08, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 25, 2016	Oct. 24, 2017
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2016	Nov. 09, 2017
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Dec. 09, 2016	Dec. 08, 2017
Preamplifier	EMC	EMC02325	980187	Sep. 08, 2016	Sep. 07, 2017
Preamplifier	Agilent	83017A	MY53270014	Aug. 22, 2016	Aug. 21, 2017
Preamplifier	EMC	EMC184045B	980192	Aug. 24, 2016	Aug. 23, 2017
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 04, 2017	Feb. 03, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Feb. 04, 2017	Feb. 03, 2018
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Feb. 04, 2017	Feb. 03, 2018
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Feb. 04, 2017	Feb. 03, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Sep. 05, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 09, 2016	Sep. 08, 2017
Receiver	Agilent	N9038A	MY53290044	Oct. 06, 2016	Oct. 05, 2017
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 28, 2017	Apr. 27, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 09, 2017	Feb. 08, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 25, 2016	Oct. 24, 2017
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2016	Nov. 09, 2017
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Dec. 09, 2016	Dec. 08, 2017
Preamplifier	EMC	EMC02325	980187	Sep. 04, 2017	Sep. 03, 2018
Preamplifier	Agilent	83017A	MY53270014	Aug. 21, 2017	Aug. 20, 2018
Preamplifier	EMC	EMC184045B	980192	Aug. 22, 2017	Aug. 21, 2018
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 04, 2017	Feb. 03, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 04, 2017	Feb. 03, 2018
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 04, 2017	Feb. 03, 2018
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 04, 2017	Feb. 03, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jul. 07 ~ Sep. 26, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101063	Mar. 15, 2017	Mar. 14, 2018
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 21, 2016	Nov. 20, 2017
Power Meter	Anritsu	ML2495A	1241002	Oct. 06, 2016	Oct. 05, 2017
Power Sensor	Anritsu	MA2411B	1207366	Oct. 06, 2016	Oct. 05, 2017
AC POWER SOURCE	APC	AFC-500W	F312060012	Oct. 28, 2016	Oct. 27, 2017
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Jul. 25, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Dec. 21, 2016	Dec. 20, 2017
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 08, 2016	Nov. 07, 2017
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Nov. 25, 2016	Nov. 24, 2017
RF Cable-CON	EMC	EMCCFD300-BM-BM-6000	50821	Dec. 20, 2016	Dec. 19, 2017
50 ohm terminal (Support Unit)	NA	50	04	May 12, 2017	May 11, 2018
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Jul. 20, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 09, 2016	Sep. 08, 2017
Receiver	Agilent	N9038A	MY53290044	Oct. 06, 2016	Oct. 05, 2017
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 28, 2017	Apr. 27, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 09, 2017	Feb. 08, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 25, 2016	Oct. 24, 2017
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2016	Nov. 09, 2017
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Dec. 09, 2016	Dec. 08, 2017
Preamplifier	EMC	EMC02325	980187	Sep. 08, 2016	Sep. 07, 2017
Preamplifier	Agilent	83017A	MY53270014	Aug. 22, 2016	Aug. 21, 2017
Preamplifier	EMC	EMC184045B	980192	Aug. 24, 2016	Aug. 23, 2017
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 04, 2017	Feb. 03, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Feb. 04, 2017	Feb. 03, 2018
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Feb. 04, 2017	Feb. 03, 2018
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Feb. 04, 2017	Feb. 03, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Sep. 12, 2017				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY52221474	Oct. 14, 2016	Oct. 13, 2017
Receiver	Agilent	N9038A	MY53290044	Oct. 06, 2016	Oct. 05, 2017
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 28, 2017	Apr. 27, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 09, 2017	Feb. 08, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 25, 2016	Oct. 24, 2017
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2016	Nov. 09, 2017
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Dec. 09, 2016	Dec. 08, 2017
Preamplifier	EMC	EMC02325	980187	Sep. 04, 2017	Sep. 03, 2018
Preamplifier	Agilent	83017A	MY53270014	Aug. 21, 2017	Aug. 20, 2018
Preamplifier	EMC	EMC184045B	980192	Aug. 22, 2017	Aug. 21, 2018
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22600/4	Feb. 04, 2017	Feb. 03, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 04, 2017	Feb. 03, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 04, 2017	Feb. 03, 2018
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 04, 2017	Feb. 03, 2018
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 04, 2017	Feb. 03, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

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

47 CFR FCC Part 15.407
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04
FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.6 Measurement Uncertainty

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

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.134 Hz
Conducted power	±0.808 dB
Frequency error	±34.134 Hz
Power density	±0.463 dB
Conducted emission	±2.670 dB
AC conducted emission	±2.90 dB
Radiated emission ≤ 1GHz	±3.66 dB
Radiated emission > 1GHz	±5.37 dB
Time	±0.1%
Temperature	±0.6 ^{o}C

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	24°C / 56%	Alex Tsai
Radiated Emissions	03CH03-WS	23-24°C / 61-62%	Vincent Yeh Kevin Lee
RF Conducted	TH01-WS	22°C / 63-64%	Brad Wu

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- IC site registration No.: 10807C-1

2.2 The Worst Test Modes and Channel Details

Non-beamforming mode

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT40	5670	MCS 0	1, 2
Radiated Emissions ≤1GHz	VHT40	5670	MCS 0	1, 2
RF Output Power	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	HT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	1, 2
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Frequency Stability	Un-modulation	5320	---	1

NOTE:

1. Adapter 1 and Adapter 2 had been pretested and found that **Adapter 2** was the worst case and was selected for final testing (Adapter 1: MOSO adapter; **Adapter 2: APD adapter**).
2. The test configurations are listed as follows:
   Configuration 1 : Model Name: Kamai751Q
   Configuration 2 : Model Name: Amulet 756Q

Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT40	5795	MCS 0	1, 2
Radiated Emissions ≤1GHz	VHT40	5795	MCS 0	1, 2
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	1
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	1
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth	11a	5745 / 5785 / 5825	6 Mbps	1, 2
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	1

NOTE:

1. Adapter 1 and Adapter 2 had been pretested and found that **Adapter 2** was the worst case and was selected for final testing (Adapter 1: MOSO adapter; **Adapter 2: APD adapter**).
2. The test configurations are listed as follows:
   Configuration 1 : Model Name: Kamai751Q
   Configuration 2 : Model Name: Amulet 756Q

Beamforming mode

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT40	5590	MCS 0	1, 2
Radiated Emissions ≤1GHz	VHT40	5590	MCS 0	1, 2
RF Output Power	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	1
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Emission Bandwidth Peak Power Spectral Density	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	1
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	
Radiated Emissions >1GHz	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	1, 2
	VHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610	MCS 0	

NOTE:

1. Adapter 1 and Adapter 2 had been pretested and found that **Adapter 2** was the worst case and was selected for final testing (Adapter 1: MOSO adapter; **Adapter 2: APD adapter**).
2. The test configurations are listed as follows:

   Configuration 1 : Model Name: Kamai751Q

   Configuration 2 : Model Name: Amulet 756Q

requency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT40	5795	MCS 0	1, 2
Radiated Emissions ≤1GHz	VHT40	5795	MCS 0	1, 2
RF Output Power	VHT20	5745 / 5785 / 5825	MCS 0	1
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
6dB bandwidth Peak Power Spectral Density	VHT20	5745 / 5785 / 5825	MCS 0	1
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth	VHT20	5745 / 5785 / 5825	MCS 0	1, 2
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	

NOTE:

1. Adapter 1 and Adapter 2 had been pretested and found that **Adapter 2** was the worst case and was selected for final testing (Adapter 1: MOSO adapter; **Adapter 2: APD adapter**).
2. The test configurations are listed as follows:
   Configuration 1 : Model Name: Kamai751Q
   Configuration 2 : Model Name: Amulet 756Q

3 Transmitter Test Results

3.1 Conducted Emissions

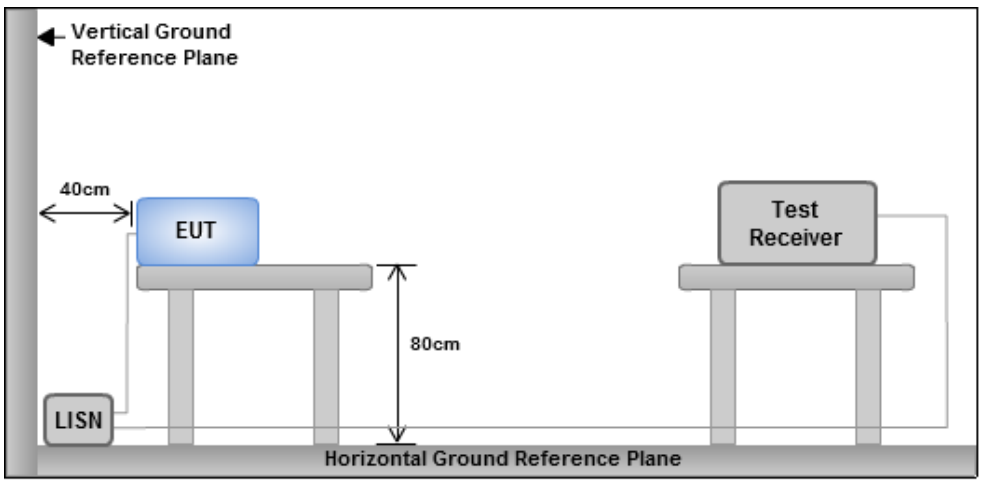
3.1.1 Limit of Conducted Emissions

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.

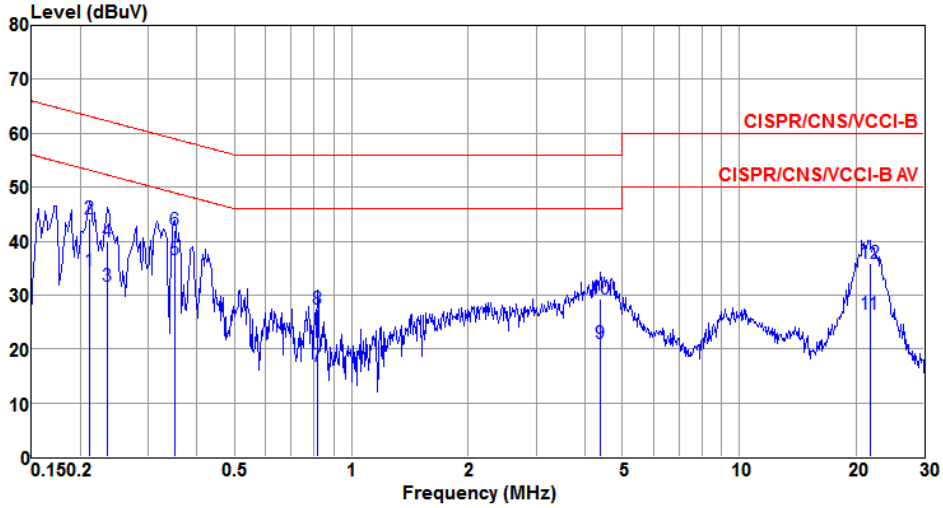
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

Model Name: Kamai751Q

Non-beamforming mode

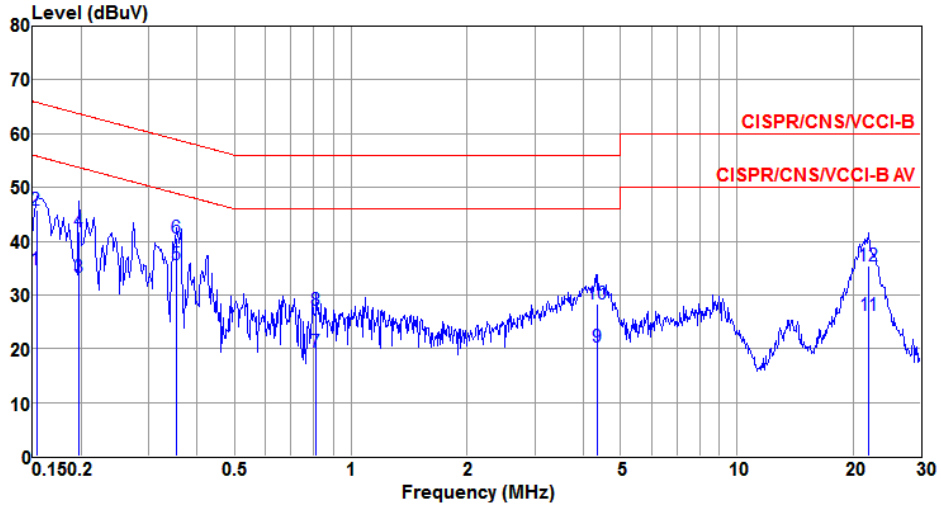
Modulation	VHT40	**Test Freq. (MHz)**	5670
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.211	34.50	53.18	-18.68	34.36	0.10	0.04	Average
2	0.211	44.14	63.18	-19.04	44.00	0.10	0.04	QP
3	0.234	31.68	52.30	-20.62	31.55	0.09	0.04	Average
4	0.234	39.96	62.30	-22.34	39.83	0.09	0.04	QP
5@	0.350	36.51	48.96	-12.45	36.40	0.07	0.04	Average
6	0.350	41.95	58.96	-17.01	41.84	0.07	0.04	QP
7	0.817	16.76	46.00	-29.24	16.65	0.07	0.04	Average
8	0.817	27.36	56.00	-28.64	27.25	0.07	0.04	QP
9	4.384	21.06	46.00	-24.94	20.72	0.17	0.17	Average
10	4.384	29.23	56.00	-26.77	28.89	0.17	0.17	QP
11	21.715	26.51	50.00	-23.49	25.83	0.41	0.27	Average
12	21.715	35.87	60.00	-24.13	35.19	0.41	0.27	QP

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

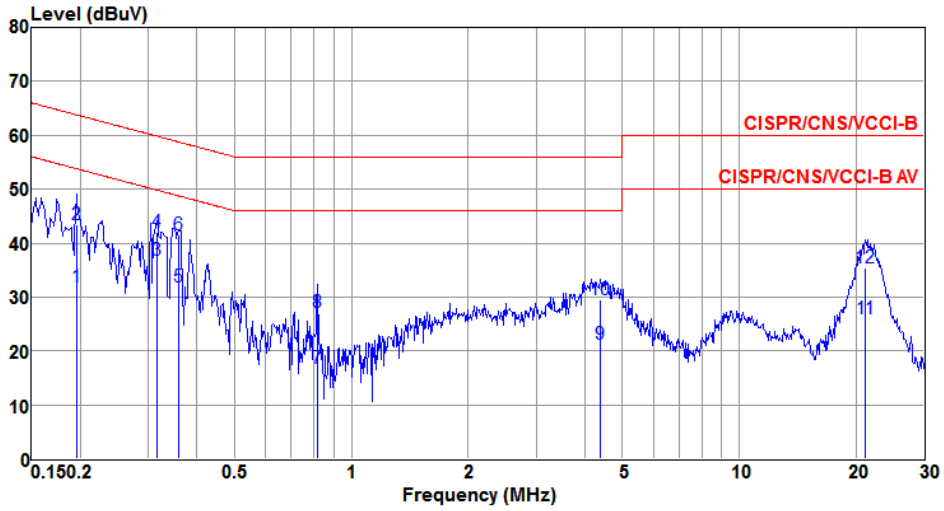
Modulation	VHT40	Test Freq. (MHz)	5670
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	34.62	55.82	-21.20	34.48	0.10	0.04	Average
2	0.153	45.75	65.82	-20.07	45.61	0.10	0.04	QP
3	0.198	33.33	53.71	-20.38	33.20	0.09	0.04	Average
4	0.198	41.75	63.71	-21.96	41.62	0.09	0.04	QP
5@	0.354	35.67	48.87	-13.20	35.51	0.12	0.04	Average
6	0.354	40.65	58.87	-18.22	40.49	0.12	0.04	QP
7	0.813	19.25	46.00	-26.75	19.11	0.10	0.04	Average
8	0.813	27.08	56.00	-28.92	26.94	0.10	0.04	QP
9	4.361	20.33	46.00	-25.67	20.00	0.16	0.17	Average
10	4.361	28.41	56.00	-27.59	28.08	0.16	0.17	QP
11	21.946	26.20	50.00	-23.80	25.50	0.43	0.27	Average
12	21.946	35.47	60.00	-24.53	34.77	0.43	0.27	QP

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

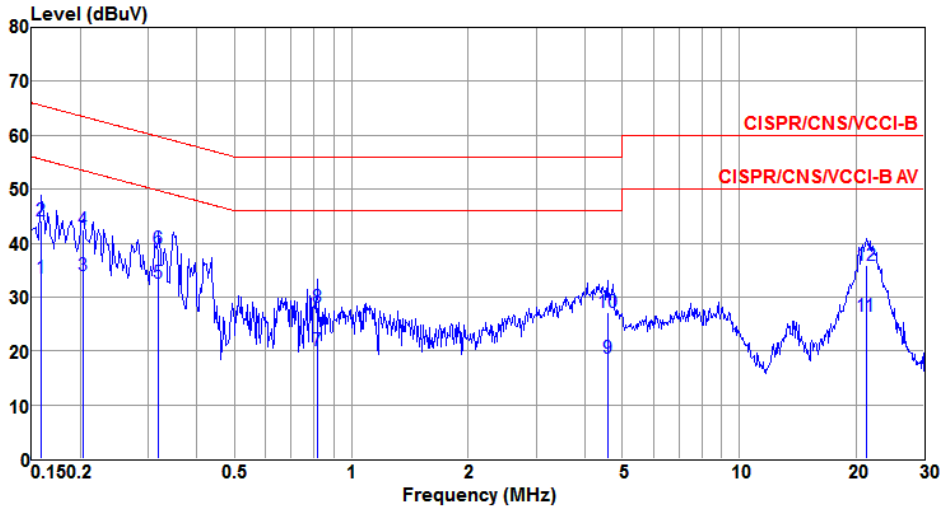
Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.195	31.84	53.80	-21.96	31.70	0.10	0.04	Average
2	0.195	43.49	63.80	-20.31	43.35	0.10	0.04	QP
3@	0.315	36.87	49.84	-12.97	36.76	0.07	0.04	Average
4	0.315	41.98	59.84	-17.86	41.87	0.07	0.04	QP
5	0.360	31.88	48.74	-16.86	31.77	0.07	0.04	Average
6	0.360	41.53	58.74	-17.21	41.42	0.07	0.04	QP
7	0.817	16.80	46.00	-29.20	16.69	0.07	0.04	Average
8	0.817	27.22	56.00	-28.78	27.11	0.07	0.04	QP
9	4.384	21.20	46.00	-24.80	20.86	0.17	0.17	Average
10	4.384	29.47	56.00	-26.53	29.13	0.17	0.17	QP
11	21.147	26.04	50.00	-23.96	25.36	0.41	0.27	Average
12	21.147	35.48	60.00	-24.52	34.80	0.41	0.27	QP

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

Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Neutral		

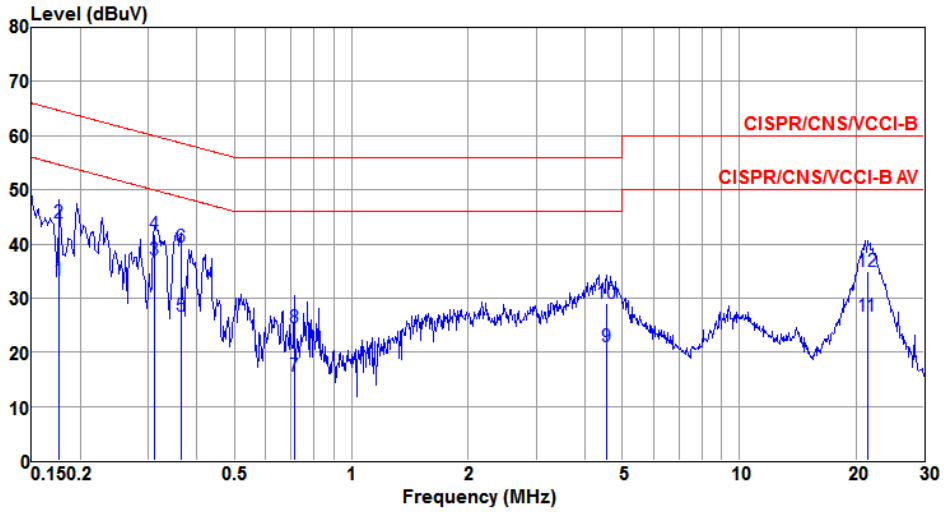


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.159	33.60	55.52	-21.92	33.46	0.10	0.04	Average
2	0.159	44.19	65.52	-21.33	44.05	0.10	0.04	QP
3	0.204	34.06	53.45	-19.39	33.93	0.09	0.04	Average
4	0.204	42.43	63.45	-21.02	42.30	0.09	0.04	QP
5@	0.318	32.65	49.75	-17.10	32.49	0.12	0.04	Average
6	0.318	38.92	59.75	-20.83	38.76	0.12	0.04	QP
7	0.817	20.02	46.00	-25.98	19.88	0.10	0.04	Average
8	0.817	28.21	56.00	-27.79	28.07	0.10	0.04	QP
9	4.574	18.64	46.00	-27.36	18.31	0.16	0.17	Average
10	4.574	27.20	56.00	-28.80	26.87	0.16	0.17	QP
11	21.260	26.35	50.00	-23.65	25.66	0.42	0.27	Average
12	21.260	35.78	60.00	-24.22	35.09	0.42	0.27	QP

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

Beamforming mode

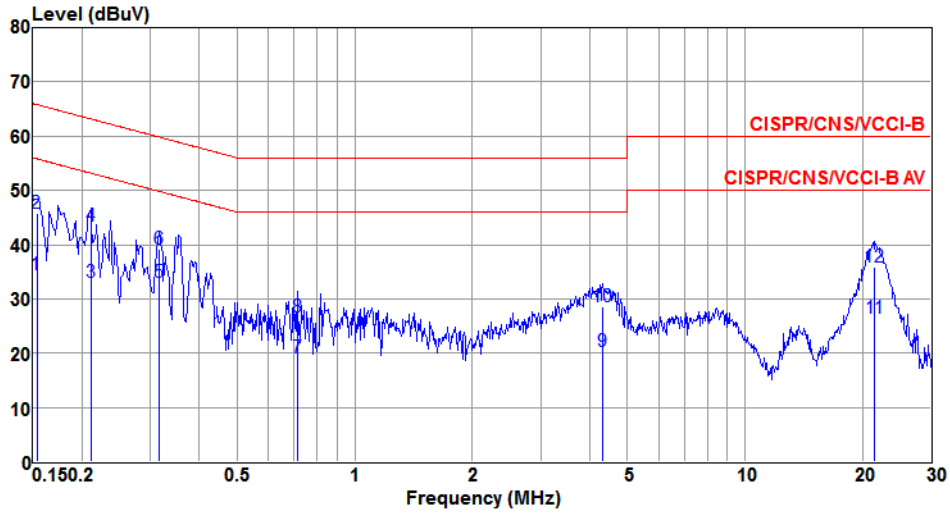
Modulation	VHT40	Test Freq. (MHz)	5590
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.177	33.27	54.64	-21.37	33.14	0.09	0.04	Average
2	0.177	43.80	64.64	-20.84	43.67	0.09	0.04	QP
3@	0.312	36.95	49.93	-12.98	36.84	0.07	0.04	Average
4	0.312	41.70	59.93	-18.23	41.59	0.07	0.04	QP
5	0.363	26.72	48.65	-21.93	26.61	0.07	0.04	Average
6	0.363	39.47	58.65	-19.18	39.36	0.07	0.04	QP
7	0.712	15.70	46.00	-30.30	15.59	0.07	0.04	Average
8	0.712	24.48	56.00	-31.52	24.37	0.07	0.04	QP
9	4.549	21.00	46.00	-25.00	20.66	0.17	0.17	Average
10	4.549	29.12	56.00	-26.88	28.78	0.17	0.17	QP
11	21.373	26.59	50.00	-23.41	25.91	0.41	0.27	Average
12	21.373	35.00	60.00	-25.00	34.32	0.41	0.27	QP

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

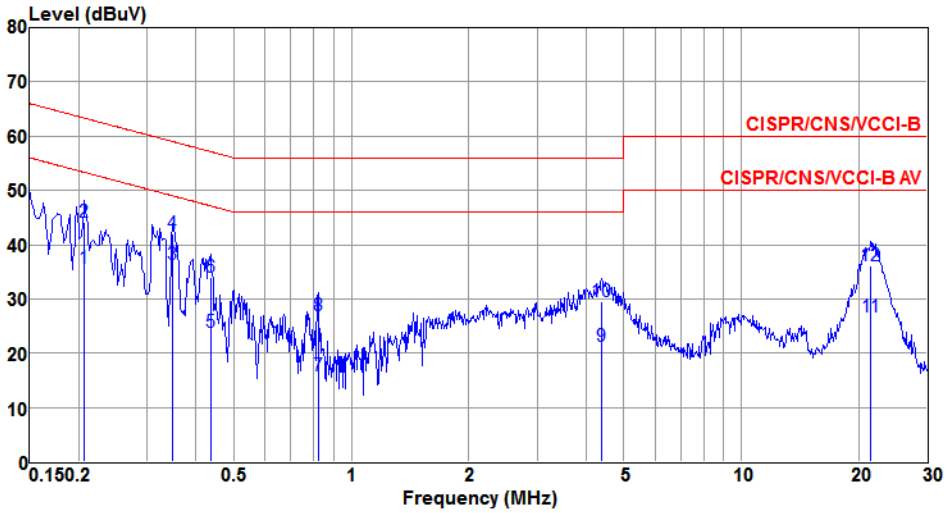
Modulation	VHT40	Test Freq. (MHz)	5590
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	34.55	55.82	-21.27	34.41	0.10	0.04	Average
2	0.153	45.78	65.82	-20.04	45.64	0.10	0.04	QP
3	0.211	32.97	53.18	-20.21	32.84	0.09	0.04	Average
4	0.211	43.44	63.18	-19.74	43.31	0.09	0.04	QP
5@	0.315	33.11	49.84	-16.73	32.95	0.12	0.04	Average
6	0.315	39.29	59.84	-20.55	39.13	0.12	0.04	QP
7	0.712	19.15	46.00	-26.85	19.01	0.10	0.04	Average
8	0.712	26.74	56.00	-29.26	26.60	0.10	0.04	QP
9	4.315	20.35	46.00	-25.65	20.04	0.15	0.16	Average
10	4.315	28.63	56.00	-27.37	28.32	0.15	0.16	QP
11	21.486	26.49	50.00	-23.51	25.80	0.42	0.27	Average
12	21.486	35.86	60.00	-24.14	35.17	0.42	0.27	QP

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

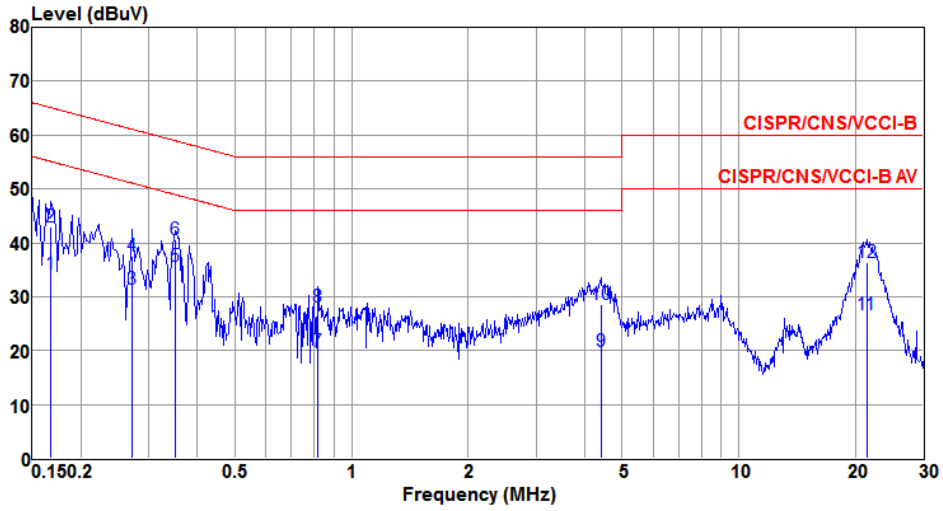
Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.207	35.70	53.32	-17.62	35.56	0.10	0.04	Average
2	0.207	44.05	63.32	-19.27	43.91	0.10	0.04	QP
3@	0.348	36.30	49.00	-12.70	36.19	0.07	0.04	Average
4	0.348	41.95	59.00	-17.05	41.84	0.07	0.04	QP
5	0.435	23.90	47.15	-23.25	23.80	0.06	0.04	Average
6	0.435	33.99	57.15	-23.16	33.89	0.06	0.04	QP
7	0.822	15.74	46.00	-30.26	15.63	0.07	0.04	Average
8	0.822	26.95	56.00	-29.05	26.84	0.07	0.04	QP
9	4.384	21.24	46.00	-24.76	20.90	0.17	0.17	Average
10	4.384	29.48	56.00	-26.52	29.14	0.17	0.17	QP
11	21.486	26.60	50.00	-23.40	25.92	0.41	0.27	Average
12	21.486	36.13	60.00	-23.87	35.45	0.41	0.27	QP

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

Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Neutral		



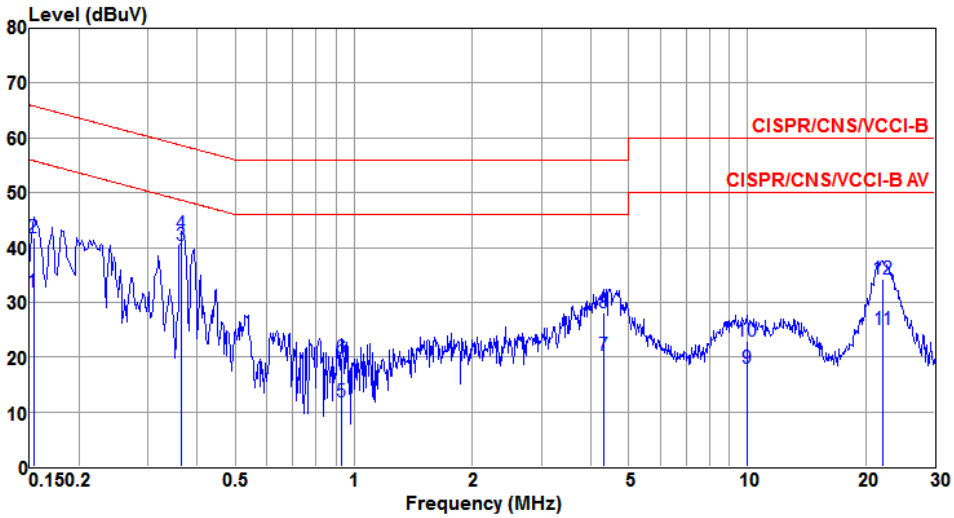
	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.168	34.26	55.08	-20.82	34.12	0.10	0.04	Average
2	0.168	42.97	65.08	-22.11	42.83	0.10	0.04	QP
3	0.270	31.38	51.12	-19.74	31.23	0.11	0.04	Average
4	0.270	37.48	61.12	-23.64	37.33	0.11	0.04	QP
5@	0.350	35.56	48.96	-13.40	35.40	0.12	0.04	Average
6	0.350	40.57	58.96	-18.39	40.41	0.12	0.04	QP
7	0.817	19.94	46.00	-26.06	19.80	0.10	0.04	Average
8	0.817	28.16	56.00	-27.84	28.02	0.10	0.04	QP
9	4.407	19.90	46.00	-26.10	19.57	0.16	0.17	Average
10	4.407	28.59	56.00	-27.41	28.26	0.16	0.17	QP
11	21.373	26.62	50.00	-23.38	25.93	0.42	0.27	Average
12	21.373	36.28	60.00	-23.72	35.59	0.42	0.27	QP

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

Model Name: Amulet 756Q

Non-beamforming mode

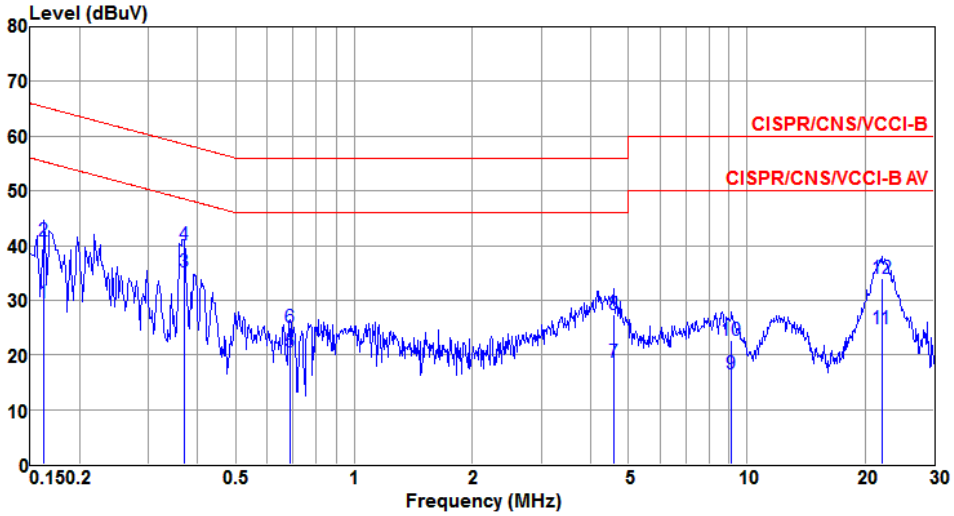
Modulation	VHT40	**Test Freq. (MHz)**	5670
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	31.79	55.82	-24.03	31.37	0.38	0.04	Average
2	0.153	41.74	65.82	-24.08	41.32	0.38	0.04	QP
3@	0.365	40.31	48.61	-8.30	39.92	0.35	0.04	Average
4	0.365	42.54	58.61	-16.07	42.15	0.35	0.04	QP
5	0.928	11.92	46.00	-34.08	11.55	0.33	0.04	Average
6	0.928	19.93	56.00	-36.07	19.56	0.33	0.04	QP
7	4.315	20.35	46.00	-25.65	19.55	0.64	0.16	Average
8	4.315	28.09	56.00	-27.91	27.29	0.64	0.16	QP
9	9.966	17.98	50.00	-32.02	16.70	1.06	0.22	Average
10	9.966	22.99	60.00	-37.01	21.71	1.06	0.22	QP
11	22.180	25.05	50.00	-24.95	24.40	0.38	0.27	Average
12	22.180	34.13	60.00	-25.87	33.48	0.38	0.27	QP

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

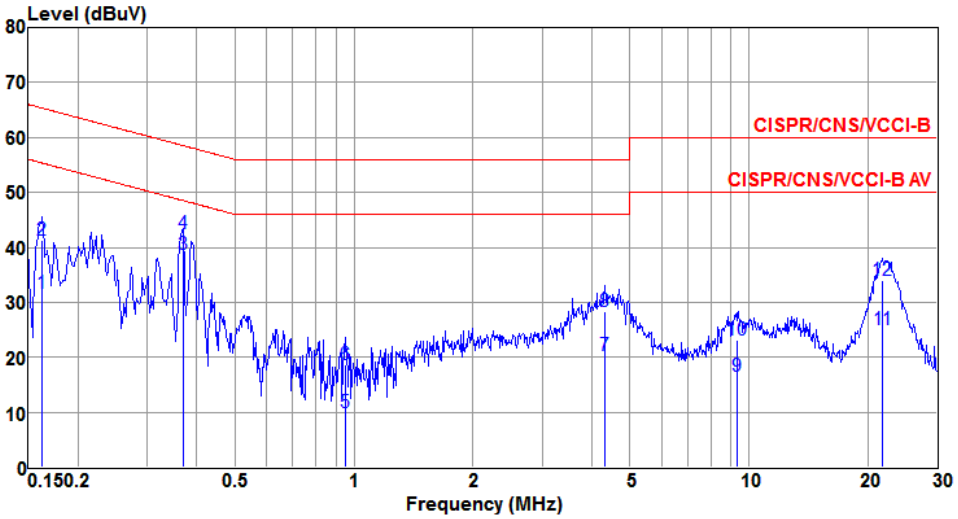
Modulation	VHT40	Test Freq. (MHz)	5670
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.162	29.46	55.34	-25.88	29.08	0.34	0.04	Average
2	0.162	40.94	65.34	-24.40	40.56	0.34	0.04	QP
3@	0.369	35.17	48.52	-13.35	34.75	0.38	0.04	Average
4	0.369	40.03	58.52	-18.49	39.61	0.38	0.04	QP
5	0.686	20.60	46.00	-25.40	20.19	0.37	0.04	Average
6	0.686	25.02	56.00	-30.98	24.61	0.37	0.04	QP
7	4.574	18.65	46.00	-27.35	17.90	0.58	0.17	Average
8	4.574	27.41	56.00	-28.59	26.66	0.58	0.17	QP
9	9.156	16.42	50.00	-33.58	15.55	0.66	0.21	Average
10	9.156	22.78	60.00	-37.22	21.91	0.66	0.21	QP
11	22.063	24.86	50.00	-25.14	24.19	0.40	0.27	Average
12	22.063	33.95	60.00	-26.05	33.28	0.40	0.27	QP

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

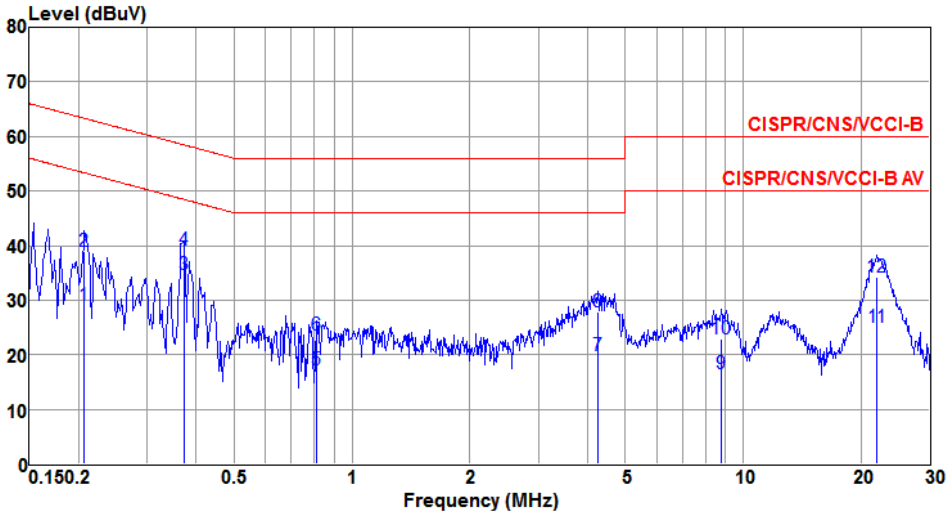
Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.162	31.52	55.34	-23.82	31.10	0.38	0.04	Average
2	0.162	41.33	65.34	-24.01	40.91	0.38	0.04	QP
3@	0.369	38.61	48.52	-9.91	38.22	0.35	0.04	Average
4	0.369	42.49	58.52	-16.03	42.10	0.35	0.04	QP
5	0.948	9.86	46.00	-36.14	9.49	0.33	0.04	Average
6	0.948	18.55	56.00	-37.45	18.18	0.33	0.04	QP
7	4.315	20.25	46.00	-25.75	19.45	0.64	0.16	Average
8	4.315	28.38	56.00	-27.62	27.58	0.64	0.16	QP
9	9.357	16.52	50.00	-33.48	15.28	1.02	0.22	Average
10	9.357	23.08	60.00	-36.92	21.84	1.02	0.22	QP
11	21.830	25.04	50.00	-24.96	24.37	0.40	0.27	Average
12	21.830	33.97	60.00	-26.03	33.30	0.40	0.27	QP

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

Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Neutral		

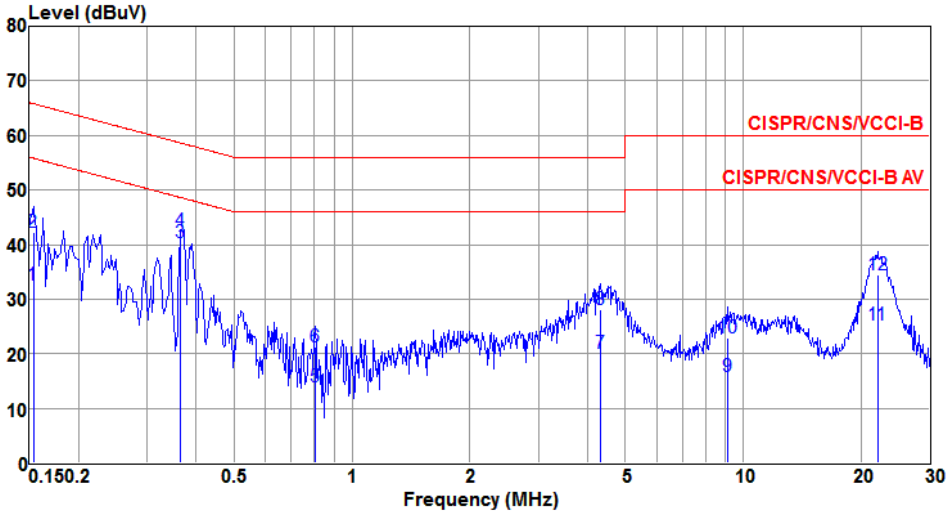


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.207	29.00	53.32	-24.32	28.62	0.34	0.04	Average
2	0.207	38.85	63.32	-24.47	38.47	0.34	0.04	QP
3@	0.371	34.62	48.47	-13.85	34.20	0.38	0.04	Average
4	0.371	39.16	58.47	-19.31	38.74	0.38	0.04	QP
5	0.809	17.13	46.00	-28.87	16.73	0.36	0.04	Average
6	0.809	23.72	56.00	-32.28	23.32	0.36	0.04	QP
7	4.247	19.83	46.00	-26.17	19.10	0.57	0.16	Average
8	4.247	27.93	56.00	-28.07	27.20	0.57	0.16	QP
9	8.776	16.59	50.00	-33.41	15.73	0.65	0.21	Average
10	8.776	22.97	60.00	-37.03	22.11	0.65	0.21	QP
11	21.946	25.01	50.00	-24.99	24.33	0.41	0.27	Average
12	21.946	34.13	60.00	-25.87	33.45	0.41	0.27	QP

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

Beamforming mode

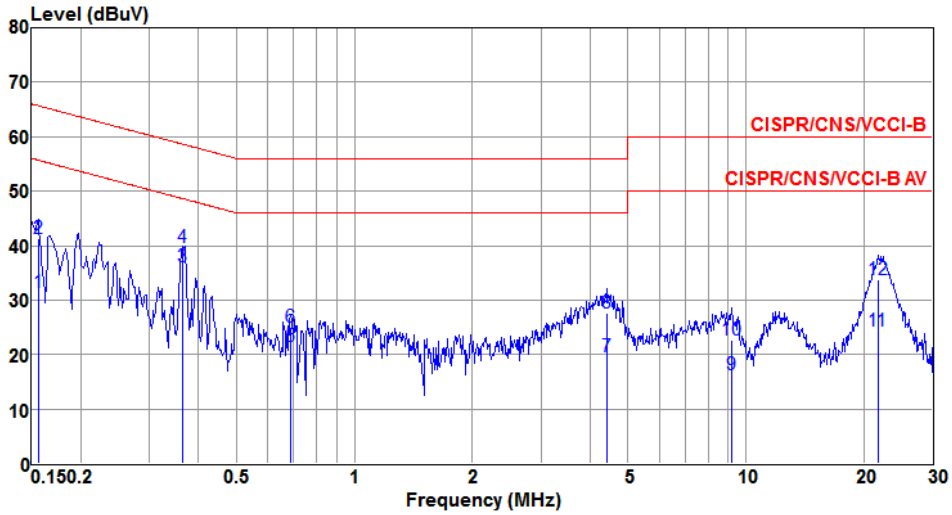
Modulation	VHT40	Test Freq. (MHz)	5590
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	32.47	55.82	-23.35	32.05	0.38	0.04	Average
2	0.153	42.15	65.82	-23.67	41.73	0.38	0.04	QP
3@	0.365	40.29	48.61	-8.32	39.90	0.35	0.04	Average
4	0.365	42.57	58.61	-16.04	42.18	0.35	0.04	QP
5	0.804	14.03	46.00	-31.97	13.66	0.33	0.04	Average
6	0.804	21.25	56.00	-34.75	20.88	0.33	0.04	QP
7	4.315	20.14	46.00	-25.86	19.34	0.64	0.16	Average
8	4.315	28.01	56.00	-27.99	27.21	0.64	0.16	QP
9	9.107	15.85	50.00	-34.15	14.63	1.01	0.21	Average
10	9.107	22.86	60.00	-37.14	21.64	1.01	0.21	QP
11	22.063	25.37	50.00	-24.63	24.71	0.39	0.27	Average
12	22.063	34.41	60.00	-25.59	33.75	0.39	0.27	QP

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

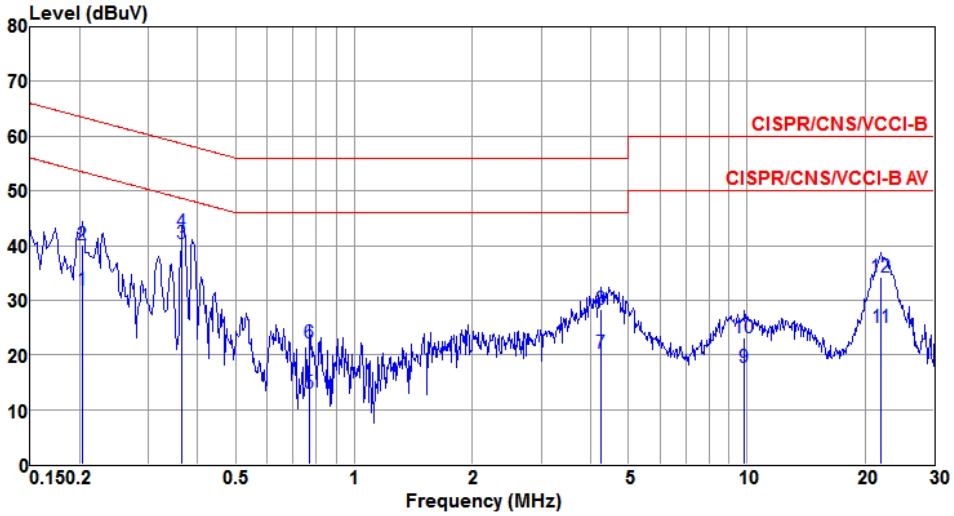
Modulation	VHT40	Test Freq. (MHz)	5590
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.156	31.38	55.69	-24.31	31.00	0.34	0.04	Average
2	0.156	41.22	65.69	-24.47	40.84	0.34	0.04	QP
3@	0.363	36.02	48.65	-12.63	35.61	0.37	0.04	Average
4	0.363	39.61	58.65	-19.04	39.20	0.37	0.04	QP
5	0.686	21.41	46.00	-24.59	21.00	0.37	0.04	Average
6	0.686	25.12	56.00	-30.88	24.71	0.37	0.04	QP
7	4.407	19.61	46.00	-26.39	18.87	0.57	0.17	Average
8	4.407	27.66	56.00	-28.34	26.92	0.57	0.17	QP
9	9.204	16.34	50.00	-33.66	15.47	0.66	0.21	Average
10	9.204	22.74	60.00	-37.26	21.87	0.66	0.21	QP
11	21.715	24.35	50.00	-25.65	23.66	0.42	0.27	Average
12	21.715	33.85	60.00	-26.15	33.16	0.42	0.27	QP

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

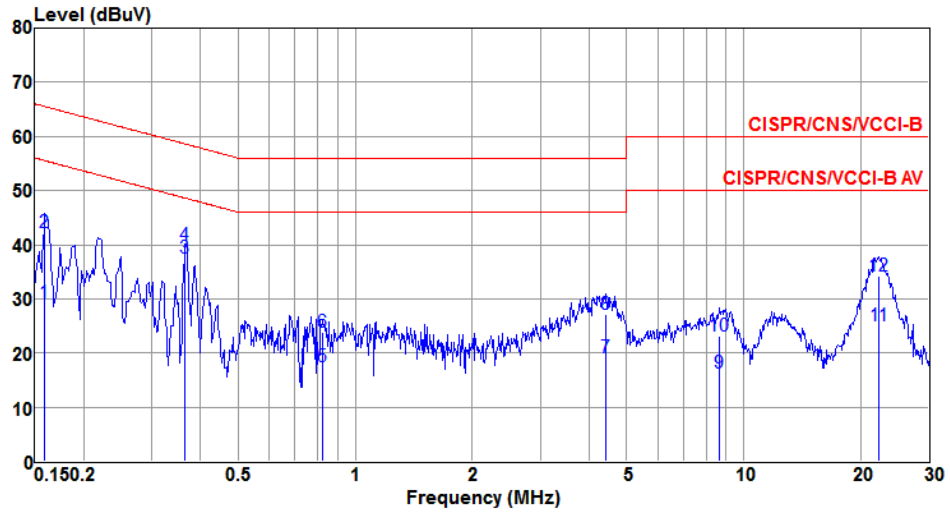
Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.204	31.80	53.45	-21.65	31.37	0.39	0.04	Average
2	0.204	40.23	63.45	-23.22	39.80	0.39	0.04	QP
3@	0.365	40.25	48.61	-8.36	39.86	0.35	0.04	Average
4	0.365	42.49	58.61	-16.12	42.10	0.35	0.04	QP
5	0.771	13.07	46.00	-32.93	12.70	0.33	0.04	Average
6	0.771	22.14	56.00	-33.86	21.77	0.33	0.04	QP
7	4.247	20.25	46.00	-25.75	19.46	0.63	0.16	Average
8	4.247	28.34	56.00	-27.66	27.55	0.63	0.16	QP
9	9.861	17.82	50.00	-32.18	16.55	1.05	0.22	Average
10	9.861	23.13	60.00	-36.87	21.86	1.05	0.22	QP
11	21.946	25.14	50.00	-24.86	24.47	0.40	0.27	Average
12	21.946	34.22	60.00	-25.78	33.55	0.40	0.27	QP

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

Modulation	VHT40	Test Freq. (MHz)	5795
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.159	29.25	55.52	-26.27	28.87	0.34	0.04	Average
2	0.159	42.36	65.52	-23.16	41.98	0.34	0.04	QP
3@	0.365	37.57	48.61	-11.04	37.16	0.37	0.04	Average
4	0.365	39.96	58.61	-18.65	39.55	0.37	0.04	QP
5	0.826	17.51	46.00	-28.49	17.11	0.36	0.04	Average
6	0.826	23.84	56.00	-32.16	23.44	0.36	0.04	QP
7	4.430	19.06	46.00	-26.94	18.32	0.57	0.17	Average
8	4.430	27.25	56.00	-28.75	26.51	0.57	0.17	QP
9	8.683	16.20	50.00	-33.80	15.34	0.65	0.21	Average
10	8.683	23.04	60.00	-36.96	22.18	0.65	0.21	QP
11	22.298	25.09	50.00	-24.91	24.43	0.39	0.27	Average
12	22.298	34.16	60.00	-25.84	33.50	0.39	0.27	QP

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

3.2 Emission Bandwidth

3.2.1 Limit of Emission Bandwidth

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

3.2.2 Test Procedures

26dB Bandwidth

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

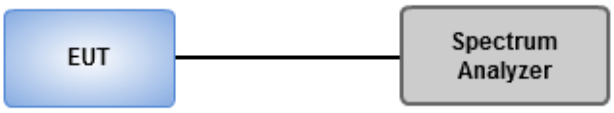
Occupied Bandwidth

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

6dB Bandwidth

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

3.2.3 Test Setup



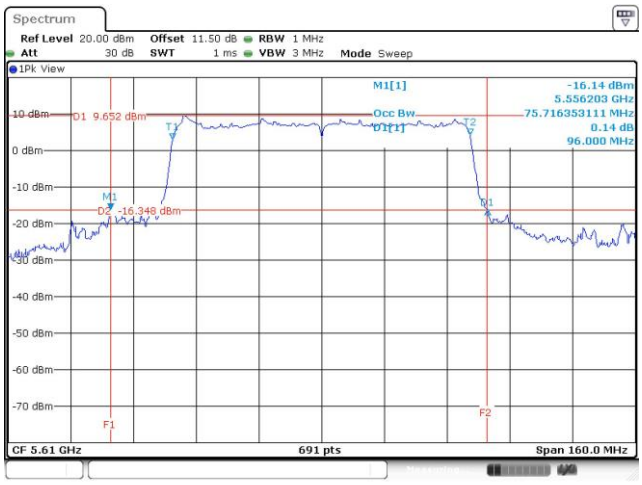
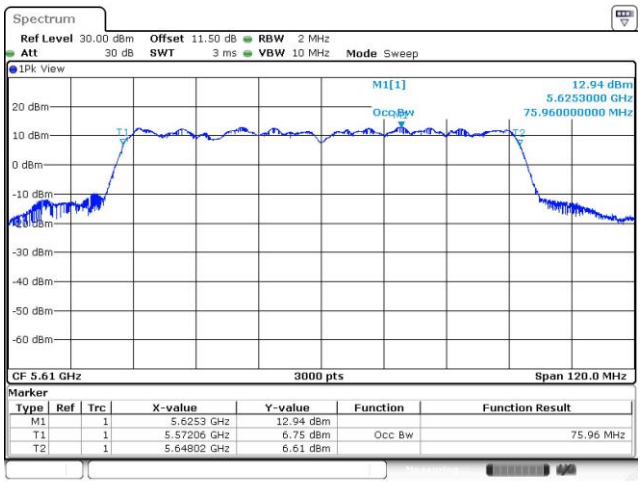
3.2.4 Test Result of Emission Bandwidth

Non-beamforming mode

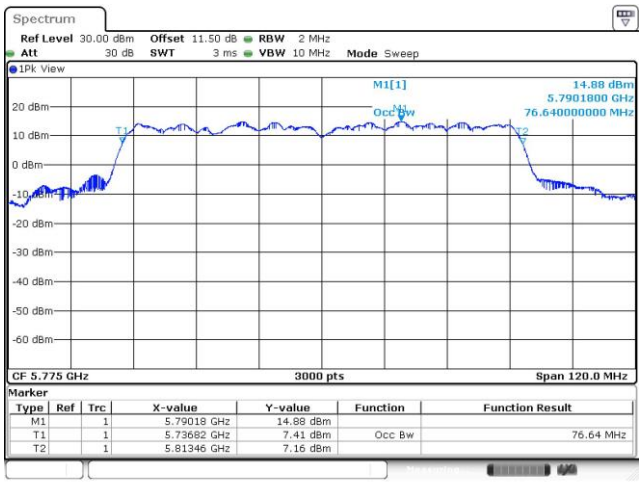
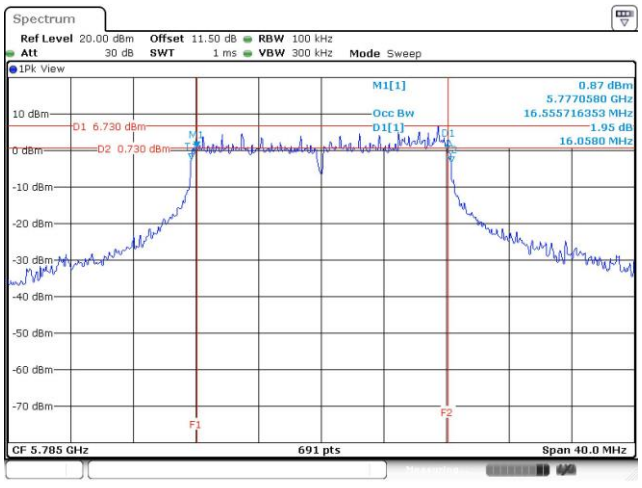
For Frequency band 5150~5250 MHz										
Emission Bandwidth										
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
11a	4	5180	22.78	23.59	23.42	23.54	16.88	17.03	16.92	16.96
11a	4	5200	22.90	23.59	23.36	23.65	16.89	17.03	16.93	16.96
11a	4	5240	22.90	23.59	23.48	23.54	16.91	17.05	16.93	16.97
VHT20	4	5180	24.81	25.10	24.17	24.00	18.22	18.32	18.10	18.00
VHT20	4	5200	24.64	24.99	24.00	24.00	18.23	18.33	18.09	17.99
VHT20	4	5240	24.75	25.28	24.00	24.23	18.25	18.32	18.07	18.00
VHT40	4	5190	44.41	44.29	44.17	43.94	37.22	36.90	37.06	36.78
VHT40	4	5230	44.52	44.87	44.17	43.83	37.18	36.92	37.14	36.84
VHT80	4	5210	83.48	81.62	83.01	82.32	75.64	75.48	75.76	75.84

For Frequency band 5250~5350 MHz										
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
11a	4	5260	22.90	23.59	23.54	23.59	16.93	17.06	16.94	16.99	24.00
11a	4	5300	23.07	23.65	23.59	23.71	16.96	17.07	16.98	17.02	24.00
11a	4	5320	22.90	23.48	23.36	23.59	16.92	17.03	16.95	16.96	24.00
VHT20	4	5260	24.99	25.33	24.35	24.00	18.28	18.35	18.10	18.02	24.00
VHT20	4	5300	24.93	25.16	24.46	24.12	18.30	18.36	18.12	18.03	24.00
VHT20	4	5320	24.99	25.04	24.12	23.83	18.26	18.32	18.11	18.00	24.00
VHT40	4	5270	44.41	44.52	44.06	43.71	37.24	36.94	37.18	36.88	24.00
VHT40	4	5310	44.52	43.83	44.06	43.59	37.20	36.92	37.02	36.84	24.00
VHT80	4	5290	83.48	80.46	83.01	82.32	75.56	75.36	75.64	75.68	24.00

For Frequency band 5470~5725 MHz											
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
11a	4	5500	22.96	23.59	23.25	23.59	16.89	17.04	16.97	16.98	24.00
11a	4	5580	23.01	23.71	23.48	23.77	16.90	17.08	17.00	16.97	24.00
11a	4	5700	23.13	23.88	23.30	23.59	16.93	17.06	17.01	16.96	24.00
VHT20	4	5500	24.87	25.16	24.29	23.88	18.25	18.29	18.11	18.00	24.00
VHT20	4	5580	25.04	25.04	24.58	24.00	18.26	18.34	18.14	17.98	24.00
VHT20	4	5700	25.16	25.04	24.29	23.94	18.26	18.32	18.14	17.99	24.00
VHT40	4	5510	44.52	44.41	44.29	43.83	37.24	36.86	37.10	36.82	24.00
VHT40	4	5590	44.41	44.75	44.64	44.29	37.28	36.84	37.08	36.92	24.00
VHT40	4	5670	44.52	44.99	44.64	44.29	37.22	36.94	37.02	36.92	24.00
VHT80	4	5530	83.48	80.23	83.01	82.32	75.60	75.44	75.64	75.76	24.00
VHT80	4	5610	95.77	85.57	96.00	85.10	75.68	75.40	75.76	75.96	24.00

Worst Plot of 26dB Bandwidth	Worst Plot of 99% Bandwidth
	

For Frequency band 5725-5850 MHz											
Emission Bandwidth											
Mode	N_{TX}	Freq. (MHz)	OBW Bandwidth (MHz)				6dB Bandwidth (MHz)				
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	6dB BW Limit (MHz)
11a	4	5745	16.94	17.14	17.06	17.04	16.35	16.35	16.35	16.35	0.5
11a	4	5785	16.95	17.16	17.10	17.07	16.35	16.35	16.06	16.29	0.5
11a	4	5825	16.94	17.14	17.13	17.05	16.35	16.35	16.35	16.35	0.5
VHT20	4	5745	18.28	18.32	18.17	18.07	17.62	17.62	17.62	17.62	0.5
VHT20	4	5785	18.28	18.32	18.21	18.10	17.57	17.74	17.22	17.68	0.5
VHT20	4	5825	18.29	18.33	18.22	18.07	17.62	17.62	17.62	17.62	0.5
VHT40	4	5755	37.46	37.04	37.46	37.24	36.41	36.41	36.41	36.41	0.5
VHT40	4	5795	37.34	37.12	37.38	37.26	36.41	36.41	36.41	36.41	0.5
VHT80	4	5775	76.12	75.96	76.28	76.64	75.13	75.13	75.13	75.13	0.5

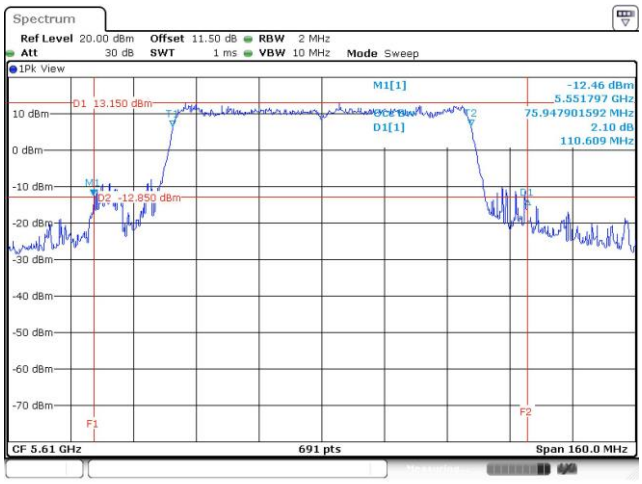
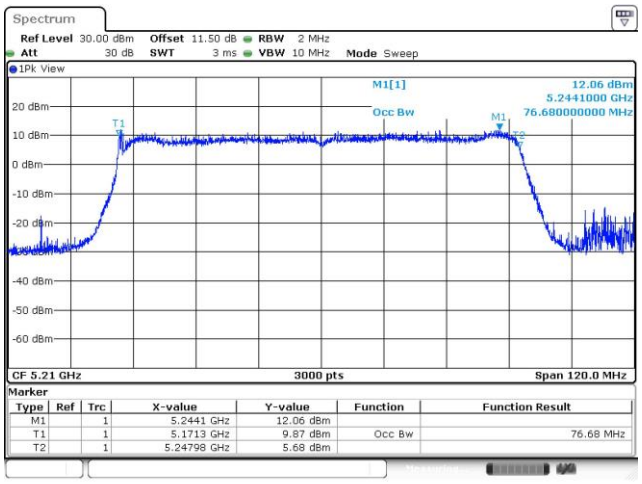
Worst Plots of 99% Bandwidth	Worst Plots of 6dB Bandwidth
	

Beamforming mode

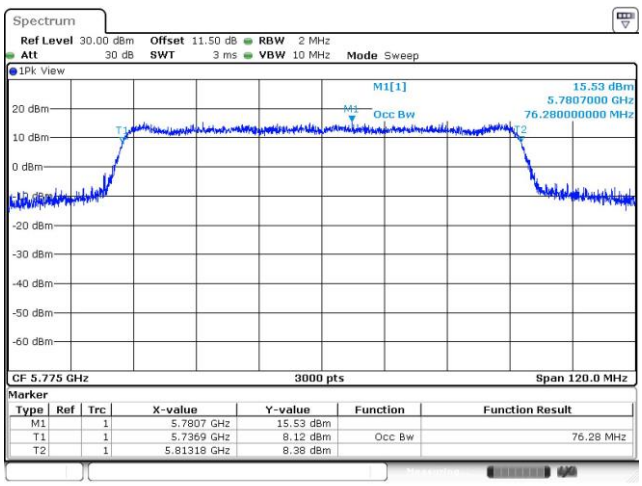
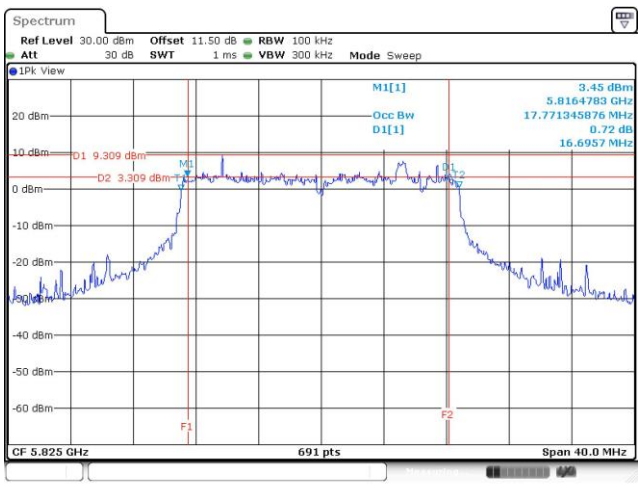
For Frequency band 5150~5250 MHz										
Emission Bandwidth										
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
VHT20	4	5180	23.59	24.35	23.13	24.00	18.20	18.14	18.18	18.13
VHT20	4	5200	24.87	25.80	23.54	23.94	18.22	18.08	18.16	18.12
VHT20	4	5240	23.88	28.64	23.48	24.70	18.17	18.17	18.13	18.13
VHT40	4	5190	43.83	43.83	43.13	42.55	37.02	37.02	37.02	36.90
VHT40	4	5230	56.35	67.94	52.06	59.71	37.20	37.06	37.08	37.10
VHT80	4	5210	83.25	82.55	82.78	82.32	76.68	75.72	75.80	75.72

For Frequency band 5250~5350 MHz										
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
VHT20	4	5260	26.32	26.61	24.93	23.88	18.20	18.14	18.12	18.14	24.00
VHT20	4	5300	28.75	25.22	24.06	24.52	18.16	18.13	18.16	18.21	24.00
VHT20	4	5320	23.71	28.06	24.06	25.16	18.18	18.25	18.21	18.18	24.00
VHT40	4	5270	55.65	69.33	56.46	60.06	37.04	37.08	37.22	37.12	24.00
VHT40	4	5310	51.71	63.77	43.94	42.90	37.10	37.02	37.10	36.90	24.00
VHT80	4	5290	85.33	81.16	83.71	81.62	75.80	75.88	75.76	75.76	24.00

For Frequency band 5470~5725 MHz											
Mode	N_{TX}	Freq. (MHz)	26dB Bandwidth (MHz)				99% Bandwidth (MHz)				Power Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	
VHT20	4	5500	29.57	27.88	24.46	25.04	18.20	18.14	18.02	18.13	24.00
VHT20	4	5580	25.68	28.29	23.83	24.75	18.18	18.15	18.15	18.20	24.00
VHT20	4	5700	23.25	23.77	23.59	24.46	18.19	18.11	18.20	18.15	24.00
VHT40	4	5510	55.54	44.29	56.00	58.09	37.00	36.96	37.12	37.04	24.00
VHT40	4	5590	66.55	68.75	67.48	61.45	37.16	37.24	37.06	36.92	24.00
VHT40	4	5670	59.71	69.80	66.67	65.97	37.20	37.14	37.08	37.08	24.00
VHT80	4	5530	92.75	85.80	81.62	82.78	75.68	75.88	75.76	75.76	24.00
VHT80	4	5610	110.61	107.83	100.64	105.74	75.84	75.72	75.72	75.72	24.00

Worst Plot of 26dB Bandwidth	Worst Plot of 99% Bandwidth
	

For Frequency band 5725-5850 MHz											
Emission Bandwidth											
Mode	N_{TX}	Freq. (MHz)	OBW Bandwidth (MHz)				6dB Bandwidth (MHz)				
			Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	6dB BW Limit (MHz)
VHT20	4	5745	18.33	18.14	18.21	18.15	17.74	17.86	17.74	16.87	0.5
VHT20	4	5785	18.28	18.20	18.22	18.14	17.57	17.68	17.62	17.62	0.5
VHT20	4	5825	18.27	18.21	18.22	18.19	17.16	17.28	17.45	16.70	0.5
VHT40	4	5755	37.38	37.30	37.22	37.20	35.71	36.17	36.52	36.52	0.5
VHT40	4	5795	37.36	37.46	37.14	37.18	36.52	36.41	36.52	36.41	0.5
VHT80	4	5775	76.12	76.28	76.20	76.08	73.97	75.13	74.44	75.13	0.5

Worst Plot of 99% Bandwidth	Worst Plot of 6dB Bandwidth
	

3.3 RF Output Power

3.3.1 Limit of RF Output Power

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

Frequency Band (MHz)		**Limit**
☒	5250 ~ 5350	250mW or 11dBm+10 log B
☒	5470 ~ 5725	250mW or 11dBm+10 log B
☒	5725 ~ 5850	1 W
Note: “B” is the 26dB emission bandwidth in MHz.		

3.3.2 Test Procedures

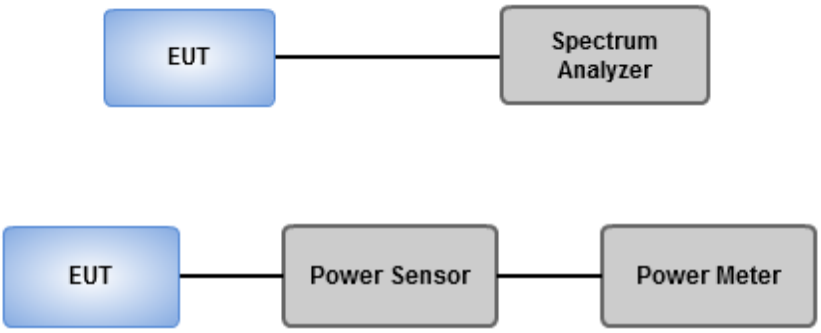
☒ Power meter (For channel that does not extends across the 5.725 GHz boundary)

☒ 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

☒ Spectrum analyzer (For channel that extends across the 5.725 GHz boundary)

1. Set RBW=1MHz, VBW=3MHz , Sweep time= Auto, Detector = RMS
2. Trace average at least 100 traces in power averaging mode
3. Compute power by integrating the spectrum across the 26 dB EBW

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Non-beamforming mode

For Frequency band 5150~5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	4	5180	15.08	15.26	14.9	15.44	131.682	21.20	24.00
11a	4	5200	15.02	15.46	14.86	15.59	133.769	21.26	24.00
11a	4	5240	15.15	15.56	15.1	15.36	135.424	21.32	24.00
HT20	4	5180	14.92	15.41	14.68	15.32	129.217	21.11	24.00
HT20	4	5200	15.14	15.39	14.52	15.51	131.130	21.18	24.00
HT20	4	5240	15.09	15.68	14.91	15.43	135.156	21.31	24.00
HT40	4	5190	16.02	16.31	15.84	16.58	166.620	22.22	24.00
HT40	4	5230	17.21	17.64	17.42	17.61	223.563	23.49	24.00
VHT20	4	5180	15.06	15.54	14.83	15.46	133.437	21.25	24.00
VHT20	4	5200	15.29	15.52	14.68	15.65	135.556	21.32	24.00
VHT20	4	5240	15.25	15.82	15.03	15.58	139.674	21.45	24.00
VHT40	4	5190	16.15	16.48	16.02	16.71	172.549	22.37	24.00
VHT40	4	5230	17.35	17.76	17.57	17.75	230.743	**23.63**	24.00
VHT80	4	5210	15.15	15.43	15.01	15.33	133.463	21.25	24.00

For Frequency band 5250~5350 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	4	5260	15.45	15.61	15.28	15.72	142.520	21.54	24.00
11a	4	5300	15.02	15.45	15.25	15.52	135.986	21.33	24.00
11a	4	5320	15.29	15.5	15.45	15.67	141.261	21.50	24.00
HT20	4	5260	14.78	15.21	15.28	15.71	134.218	21.28	24.00
HT20	4	5300	14.92	15.26	15.18	15.69	134.648	21.29	24.00
HT20	4	5320	15.02	15.48	15.24	15.71	137.746	21.39	24.00
HT40	4	5270	17.12	17.28	17.13	17.76	216.324	23.35	24.00
HT40	4	5310	16.25	16.61	16.78	16.41	179.379	22.54	24.00
VHT20	4	5260	14.91	15.34	15.4	15.83	138.128	21.40	24.00
VHT20	4	5300	15.02	15.41	15.31	15.81	138.591	21.42	24.00
VHT20	4	5320	15.11	15.6	15.39	15.85	141.795	21.52	24.00
VHT40	4	5270	17.28	17.43	17.25	17.91	223.682	**23.50**	24.00
VHT40	4	5310	16.38	16.73	16.91	16.53	184.618	22.66	24.00
VHT80	4	5290	14.85	15.12	15.10	15.22	128.683	21.10	24.00

For Frequency band 5470~5725 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	4	5500	14.35	15.41	15.36	15.64	132.980	21.24	24.00
11a	4	5580	14.25	15.38	15.04	15.49	128.437	21.09	24.00
11a	4	5700	14.57	15.71	15.39	16.15	141.685	21.51	24.00
HT20	4	5500	13.84	15.52	15.41	15.69	131.677	21.20	24.00
HT20	4	5580	13.78	15.21	15.14	15.36	124.082	20.94	24.00
HT20	4	5700	14.48	15.56	15.48	15.92	138.432	21.41	24.00
HT40	4	5510	16.35	16.82	17.04	16.72	188.808	22.76	24.00
HT40	4	5590	16.44	17.41	17.32	17.69	211.836	23.26	24.00
HT40	4	5670	16.28	17.15	17.26	17.40	202.507	23.06	24.00
VHT20	4	5500	14.02	15.64	15.59	15.82	136.297	21.34	24.00
VHT20	4	5580	13.91	15.33	15.28	15.52	128.097	21.08	24.00
VHT20	4	5700	14.62	15.71	15.6	16.11	143.352	21.56	24.00
VHT40	4	5510	16.47	16.97	17.16	16.86	194.663	22.89	24.00
VHT40	4	5590	16.58	17.55	17.48	17.82	218.894	**23.40**	24.00
VHT40	4	5670	16.43	17.31	17.38	17.52	208.976	23.20	24.00
VHT80	4	5530	15.02	15.62	15.33	15.32	136.404	21.35	24.00
VHT80	4	5610	16.35	17.29	17.08	17.26	200.993	23.03	24.00

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	4	5745	17.61	18.06	18.33	18.4	258.910	24.13	30.00
11a	4	5785	17.68	18.15	18.11	18.54	260.091	24.15	30.00
11a	4	5825	17.61	18.32	18.16	18.74	265.878	24.25	30.00
HT20	4	5745	17.28	18.21	18.06	18.42	253.154	24.03	30.00
HT20	4	5785	17.61	18.13	18.02	18.54	257.526	24.11	30.00
HT20	4	5825	17.52	18.33	18.09	18.81	265.020	24.23	30.00
HT40	4	5755	18.92	19.35	19.21	19.69	340.561	25.32	30.00
HT40	4	5795	18.85	19.34	19.31	19.95	346.803	25.40	30.00
VHT20	4	5745	17.41	18.36	18.19	18.59	261.824	24.18	30.00
VHT20	4	5785	17.75	18.22	18.15	18.68	265.044	24.23	30.00
VHT20	4	5825	17.65	18.41	18.22	18.92	271.910	24.34	30.00
VHT40	4	5755	19.07	19.52	19.35	19.86	353.187	25.48	30.00
VHT40	4	5795	19.02	19.45	19.46	20.10	358.542	**25.55**	30.00
VHT80	4	5775	18.78	19.09	19.12	19.31	323.574	25.10	30.00

Beamforming mode

For Frequency band 5150~5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
VHT20	4	5180	17.37	17.26	16.92	17.04	207.573	23.17	23.70
VHT20	4	5200	17.39	17.63	17.02	17.35	217.446	23.37	23.70
VHT20	4	5240	17.03	17.39	17.11	17.31	210.525	23.23	23.70
VHT40	4	5190	15.31	15.27	15.25	15.63	137.670	21.39	23.70
VHT40	4	5230	17.23	17.65	17.26	17.11	215.670	23.34	23.70
VHT80	4	5210	15.04	15.14	15.27	15.36	132.581	21.22	23.70

For Frequency band 5250~5350 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
VHT20	4	5260	17.52	17.41	16.79	16.82	207.411	23.17	23.70
VHT20	4	5300	17.11	16.94	16.88	17.27	202.922	23.07	23.70
VHT20	4	5320	16.92	16.83	17.08	16.95	197.994	22.97	23.70
VHT40	4	5270	17.16	17.52	17.22	17.45	216.807	23.36	23.70
VHT40	4	5310	15.22	15.38	15.51	15.27	136.995	21.37	23.70
VHT80	4	5290	15.06	15.02	15.07	15.12	128.477	21.09	23.70

For Frequency band 5470~5725 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
VHT20	4	5500	16.97	17.24	17.32	16.78	204.334	23.10	23.70
VHT20	4	5580	16.86	17.35	16.86	17.11	202.787	23.07	23.70
VHT20	4	5700	15.42	15.09	15.06	15.26	132.755	21.23	23.70
VHT40	4	5510	15.23	15.46	15.67	15.59	141.621	21.51	23.70
VHT40	4	5590	17.11	17.45	17.77	17.77	226.677	**23.55**	23.70
VHT40	4	5670	16.79	17.16	16.79	17.32	201.457	23.04	23.70
VHT80	4	5530	15.03	15.57	15.53	15.02	135.396	21.32	23.70
VHT80	4	5610	15.63	16.64	16.61	16.24	170.578	22.32	23.70

Note:
Directional gain = 3.29 dBi+10log(4/2) =6.30 dBi > 6 dBi
Limit shall be reduced to 24 dBm – (6.3dBi – 6 dBi) = 23.70 dBm.

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
VHT20	4	5745	17.89	17.96	17.78	18.49	254.646	24.06	29.70
VHT20	4	5785	18.23	17.96	17.66	18.29	254.842	24.06	29.70
VHT20	4	5825	17.99	17.99	17.78	18.32	253.801	24.04	29.70
VHT40	4	5755	18.79	19.22	18.76	19.34	320.307	25.06	29.70
VHT40	4	5795	18.56	19.11	19.89	19.26	335.082	**25.25**	29.70
VHT80	4	5775	19.01	19.06	19.12	19.04	321.980	25.08	29.70

Note:
Directional gain = 3.29 dBi+10log(4/2) =6.30 dBi > 6 dBi
Limit shall be reduced to 30 dBm – (6.30dBi – 6 dBi) = 29.70 dBm.

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

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

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

3.4.2 Test Procedures

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

☒ Method SA-1 (For non-beamforming 11ac VHT20 / VHT40)

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

☒ Method SA-2 Alternative (For non-beamforming 11a, 11ac VHT80, Beamforming: all modes)

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

For 5725~5850 MHz

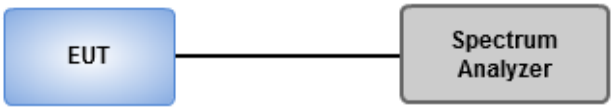
☒ Method SA-1 (For non-beamforming 11ac VHT20 / VHT40)

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

☒ Method SA-2 Alternative (For non-beamforming 11a, 11ac VHT80, Beamforming: all modes)

1. Set RBW = 500 kHz, VBW = 2 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (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

Non-beamforming mode

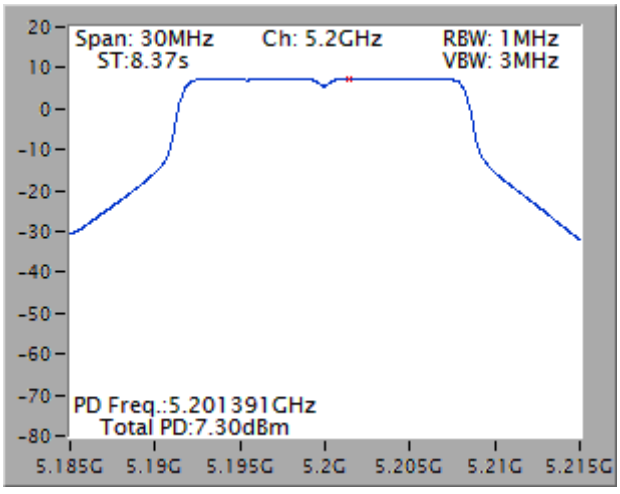
Frequency band			5150~5250 MHz / 5250~5350 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
11a	4	5180	7.28	0.35	7.63	7.91
11a	4	5200	7.30	0.35	7.65	7.91
11a	4	5240	7.25	0.35	7.60	7.91
VHT20	4	5180	7.62	0.00	7.62	7.91
VHT20	4	5200	7.63	0.00	7.63	7.91
VHT20	4	5240	7.62	0.00	7.62	7.91
VHT40	4	5190	6.51	0.00	6.51	7.91
VHT40	4	5230	7.00	0.00	7.00	7.91
VHT80	4	5210	-1.84	0.17	-1.67	7.91
11a	4	5260	7.27	0.35	7.62	7.91
11a	4	5300	6.80	0.35	7.15	7.91
11a	4	5320	6.81	0.35	7.16	7.91
VHT20	4	5260	7.01	0.00	7.01	7.91
VHT20	4	5300	7.33	0.00	7.33	7.91
VHT20	4	5320	7.39	0.00	7.39	7.91
VHT40	4	5270	6.56	0.00	6.56	7.91
VHT40	4	5310	6.28	0.00	6.28	7.91
VHT80	4	5290	-2.30	0.17	-2.13	7.91

Note:
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = 10 * log((10$^{3.25/20}$+10$^{3.17/20}$+10$^{2.84/20}$+10$^{3.03/20}$)^2/4) =9.09 dBi > 6 dBi
   Limit shall be reduced to 11 dBm – (9.09 dBi – 6 dBi) = 7.91 dBm

Frequency band			5470~5725 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
11a	4	5500	6.91	0.35	7.26	7.91
11a	4	5580	6.54	0.35	6.89	7.91
11a	4	5700	6.97	0.35	7.32	7.91
VHT20	4	5500	7.44	0.00	7.44	7.91
VHT20	4	5580	7.35	0.00	7.35	7.91
VHT20	4	5700	7.30	0.00	7.30	7.91
VHT40	4	5510	6.04	0.00	6.04	7.91
VHT40	4	5590	6.78	0.00	6.78	7.91
VHT40	4	5670	7.05	0.00	7.05	7.91
VHT80	4	5530	-1.63	0.17	-1.46	7.91
VHT80	4	5610	-0.21	0.17	-0.04	7.91

Note:
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = 10 * log((10$^{3.25/20}$+10$^{3.17/20}$+10$^{2.84/20}$+10$^{3.03/20}$)^2/4) =9.09 dBi > 6 dBi
   Limit shall be reduced to 11 dBm – (9.09 dBi – 6 dBi) = 7.91 dBm

Worst Plot



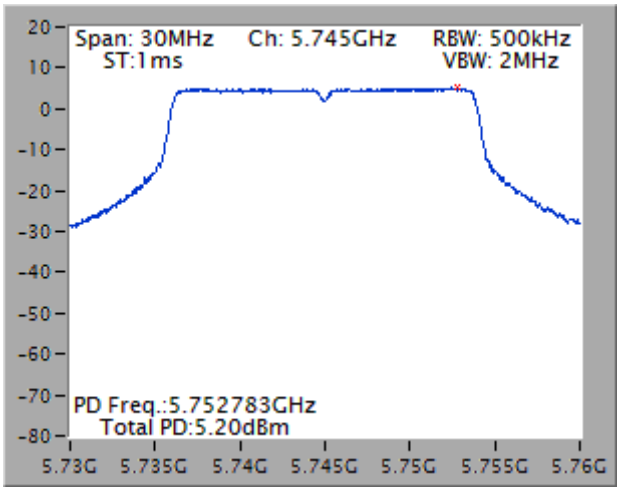
Note: Power density plot without duty factor.

Frequency band			5725-5850 MHz			
Condition			Peak Power Spectral Density (dBm/500kHz)			
Mode	N_{TX}	Freq. MHz)	PPSD w/o D.F (dBm/500kHz)	Duty Factor (dB)	PPSD with D.F (dBm/500kHz)	PPSD Limit (dBm/500kHz)
11a	4	5745	4.74	0.35	5.09	26.91
11a	4	5785	4.69	0.35	5.04	26.91
11a	4	5825	4.61	0.35	4.96	26.91
VHT20	4	5745	5.20	0.00	5.20	26.91
VHT20	4	5785	5.14	0.00	5.14	26.91
VHT20	4	5825	4.87	0.00	4.87	26.91
VHT40	4	5755	3.13	0.00	3.13	26.91
VHT40	4	5795	3.04	0.00	3.04	26.91
VHT80	4	5775	0.23	0.17	0.40	26.91

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = 10 * log((10$^{3.25/20}$+10$^{3.17/20}$+10$^{2.84/20}$+10$^{3.03/20}$)^2/4) =9.09 dBi > 6 dBi
   Limit shall be reduced to 30 dBm – (9.09 dBi – 6 dBi) = 26.91dBm

Worst Plot



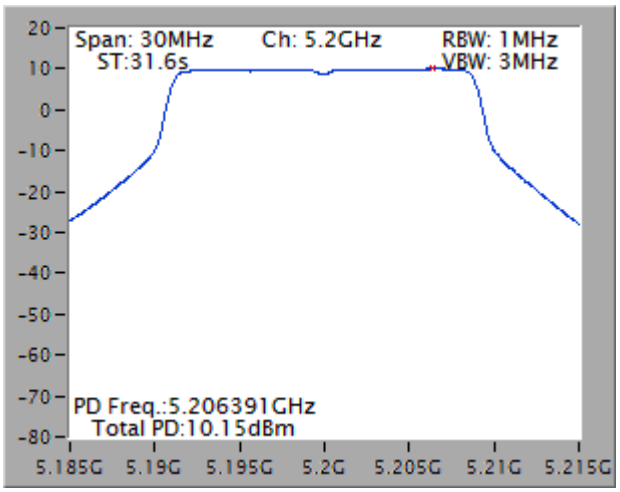
Beamforming mode

Frequency band			5150~5250 MHz / 5250~5350 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
VHT20	4	5180	10.06	0.20	10.26	10.70
VHT20	4	5200	10.15	0.20	10.35	10.70
VHT20	4	5240	10.12	0.20	10.32	10.70
VHT40	4	5190	5.02	0.56	5.58	10.70
VHT40	4	5230	7.62	0.56	8.18	10.70
VHT80	4	5210	2.52	0.25	2.77	10.70
VHT20	4	5260	9.94	0.20	10.14	10.70
VHT20	4	5300	9.97	0.20	10.17	10.70
VHT20	4	5320	9.64	0.20	9.84	10.70
VHT40	4	5270	6.98	0.56	7.54	10.70
VHT40	4	5310	4.58	0.56	5.14	10.70
VHT80	4	5290	2.61	0.25	2.86	10.70

Frequency band			5470~5725 MHz			
Condition			Peak Power Spectral Density (dBm/MHz)			
Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/MHz)	Duty Factor (dB)	PPSD with D.F (dBm/MHz)	PPSD Limit (dBm/MHz)
VHT20	4	5500	9.96	0.20	10.16	10.70
VHT20	4	5580	9.86	0.20	10.06	10.70
VHT20	4	5700	8.08	0.20	8.28	10.70
VHT40	4	5510	5.06	0.56	5.62	10.70
VHT40	4	5590	7.41	0.56	7.97	10.70
VHT40	4	5670	6.50	0.56	7.06	10.70
VHT80	4	5530	2.51	0.25	2.76	10.70
VHT80	4	5610	3.22	0.25	3.47	10.70

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = 3.29 dBi+10log(4/2) =6.30 dBi > 6 dBi
   Limit shall be reduced to 11 dBm – (6.30dBi – 6 dBi) = 10.70 dBm.

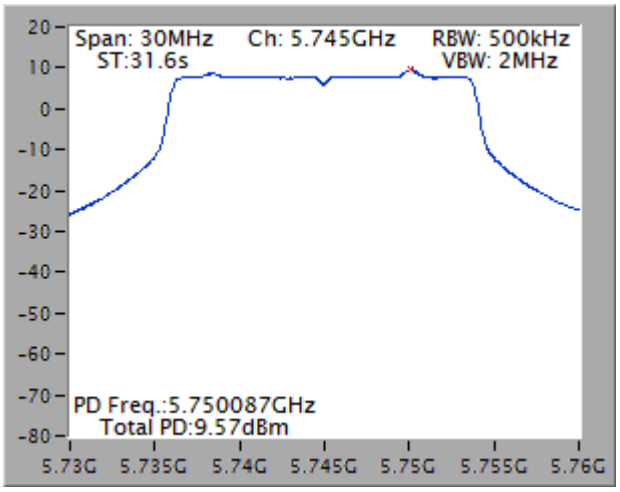
Worst Plot


Note: Power density plot without duty factor.

For Frequency band			5725-5850 MHz			
Condition			Peak Power Spectral Density (dBm/500kHz)			
Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm/500kHz)	Duty Factor (dB)	PPSD with D.F (dBm/500kHz)	PPSD Limit (dBm/500kHz)
VHT20	4	5745	9.57	0.20	9.77	29.70
VHT20	4	5785	9.46	0.20	9.66	29.70
VHT20	4	5825	9.62	0.20	9.82	29.70
VHT40	4	5755	6.83	0.56	7.39	29.70
VHT40	4	5795	7.32	0.56	7.88	29.70
VHT80	4	5775	5.07	0.25	5.32	29.70

Note:
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain = 3.29 dBi+10log(4/2) =6.30 dBi > 6 dBi
   Limit shall be reduced to 30 dBm – (6.30dBi – 6 dBi) = 29.70 dBm.

Worst Plot



Note: Power density plot without duty factor.

3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

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

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit		
Operating Band	**Limit**	
5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]	
5.725 - 5.850 GHz	☒	15.407(b)(4)(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
	☐	15.407(b)(4)(ii) ,compliance with the emission limits in § 15.247(d) Shall be at least 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power,. Attenuation below the general limits specified in §15.209(a) is not required. In addition,radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see § 15.205(c))
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		

3.5.2 Test Procedures

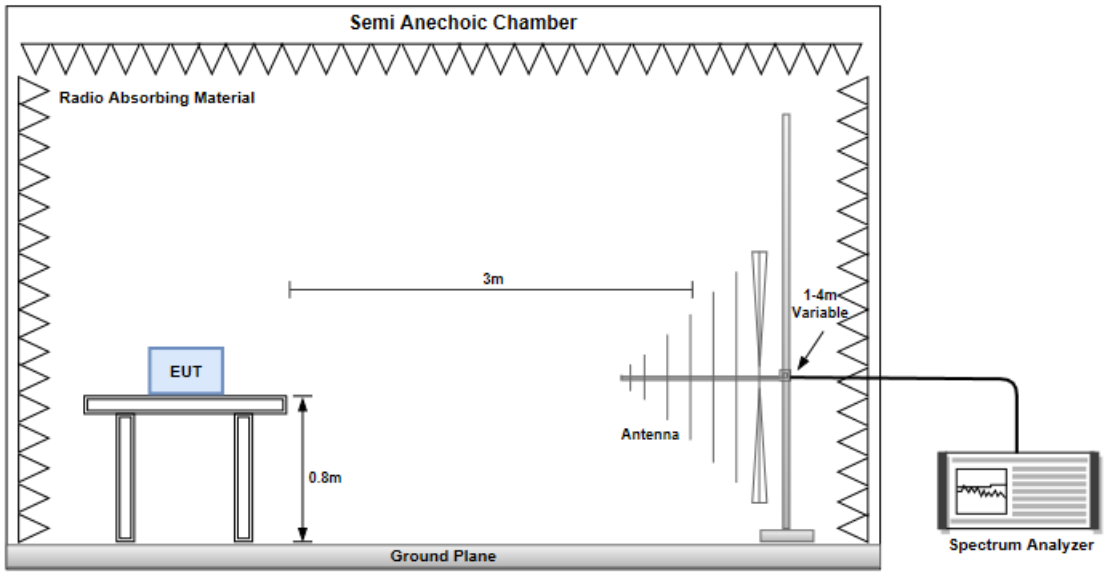
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

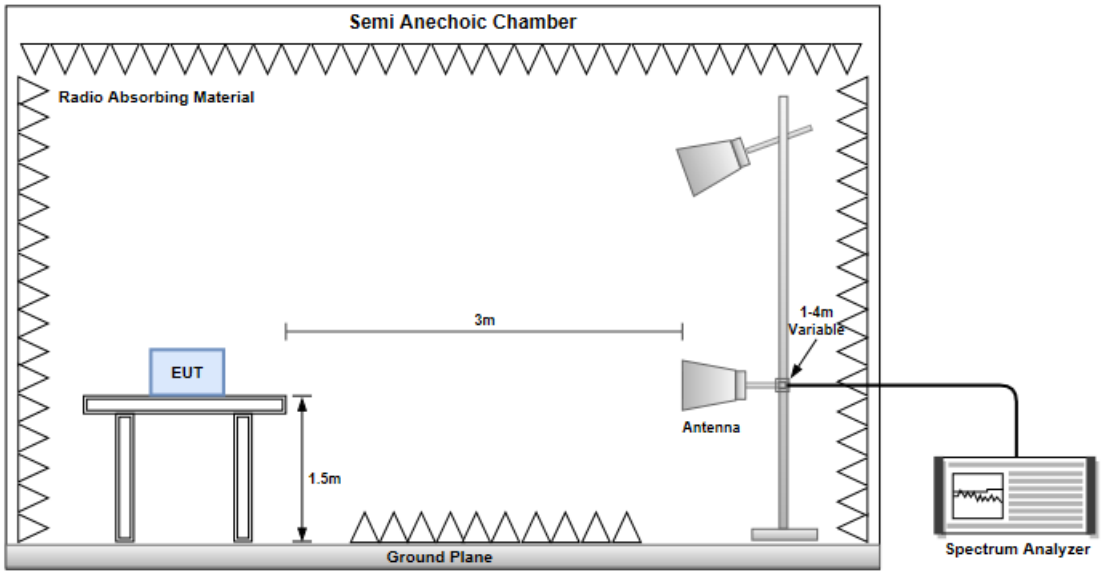
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



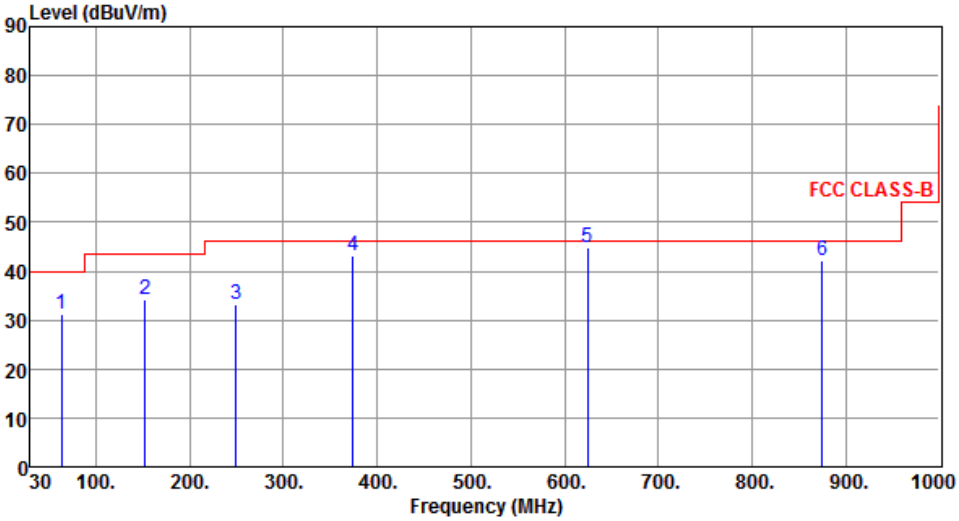
Radiated Emissions above 1 GHz



Model Name: Kamai751Q
Non- beamforming mode

3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

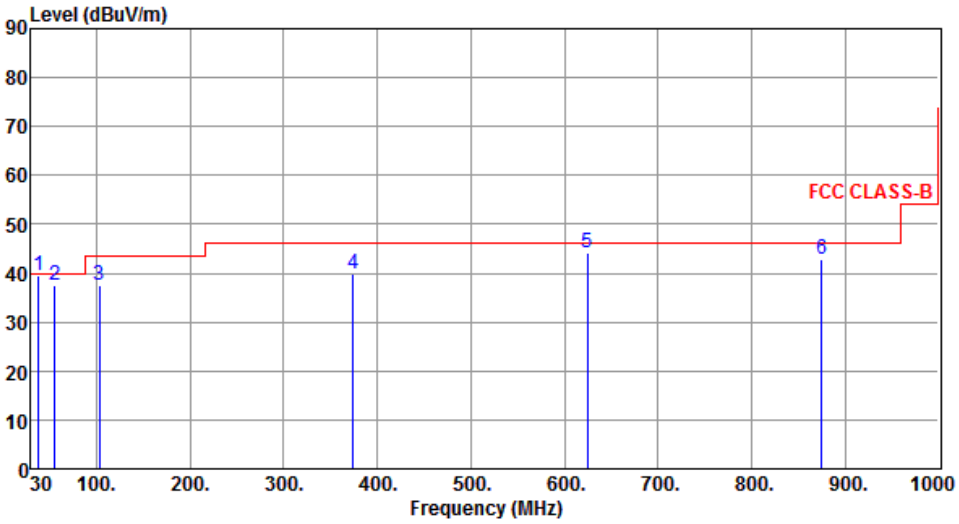
Modulation	VHT40	**Test Freq. (MHz)**	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	62.85	31.23	40.00	-8.77	40.64	-9.41	Peak	---	---
2	152.64	34.15	43.50	-9.35	42.62	-8.47	Peak	---	---
3	249.89	33.28	46.00	-12.72	42.69	-9.41	Peak	---	---
4	374.66	43.13	46.00	-2.87	49.10	-5.97	Peak	---	---
5	625.00	44.85	46.00	-1.15	45.47	-0.62	QP	152	34
6	874.63	42.31	46.00	-3.69	38.77	3.54	Peak	---	---

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

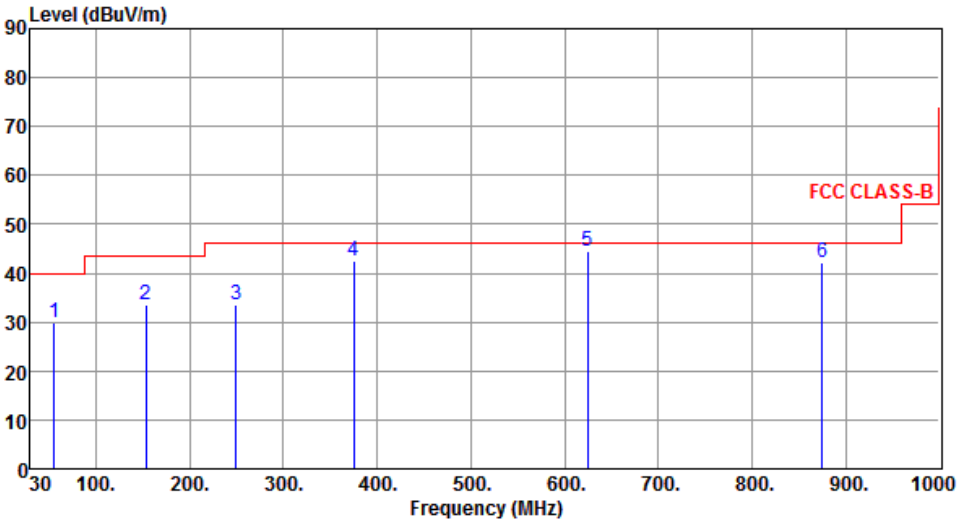
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.30	39.43	40.00	-0.57	48.33	-8.90	QP	100	73
2	55.39	37.47	40.00	-2.53	46.04	-8.57	QP	100	22
3	102.75	37.41	43.50	-6.09	50.48	-13.07	Peak	---	---
4	374.35	39.77	46.00	-6.23	45.75	-5.98	Peak	---	---
5	625.00	44.15	46.00	-1.85	44.77	-0.62	QP	100	337
6	874.87	42.81	46.00	-3.19	39.27	3.54	Peak	---	---

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

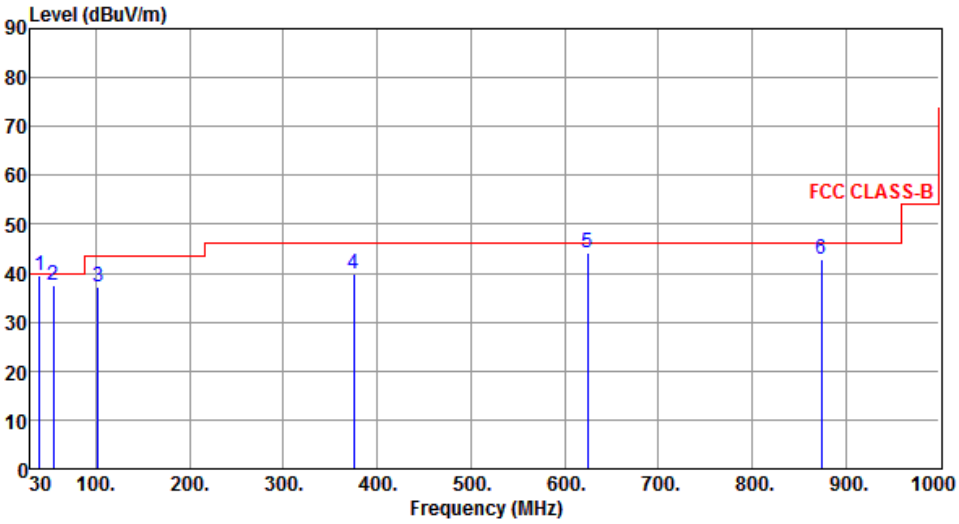
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	55.74	29.77	40.00	-10.23	38.36	-8.59	Peak	---	---
2	153.66	33.61	43.50	-9.89	42.07	-8.46	Peak	---	---
3	249.68	33.56	46.00	-12.44	42.98	-9.42	Peak	---	---
4	375.38	42.44	46.00	-3.56	48.38	-5.94	Peak	---	---
5	625.00	44.58	46.00	-1.42	45.20	-0.62	QP	151	48
6	874.67	42.21	46.00	-3.79	38.67	3.54	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

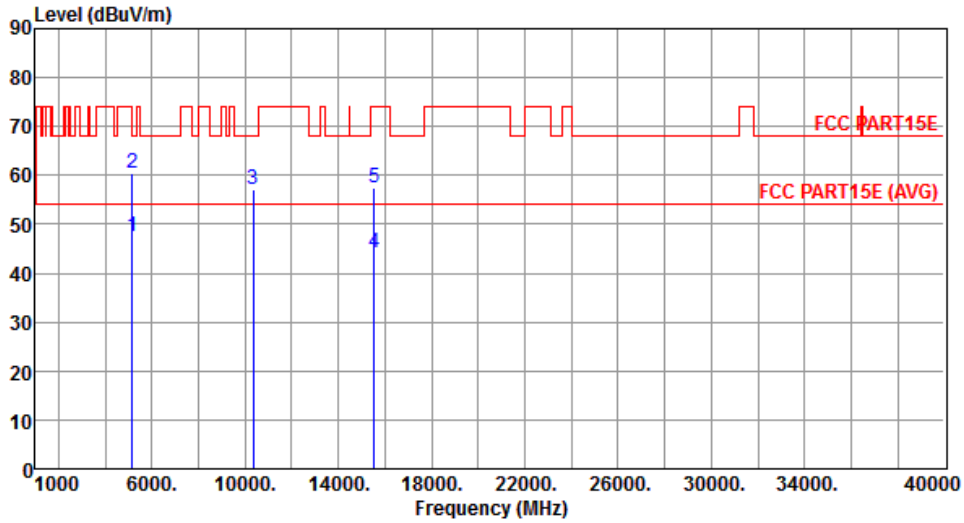


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	39.68	39.44	40.00	-0.56	48.18	-8.74	QP	100	66
2	54.69	37.52	40.00	-2.48	46.03	-8.51	QP	100	25
3	102.35	37.36	43.50	-6.14	50.49	-13.13	Peak	---	---
4	374.96	39.74	46.00	-6.26	45.70	-5.96	Peak	---	---
5	625.00	44.31	46.00	-1.69	44.93	-0.62	QP	100	339
6	874.46	42.94	46.00	-3.06	39.41	3.53	Peak	---	---

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

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

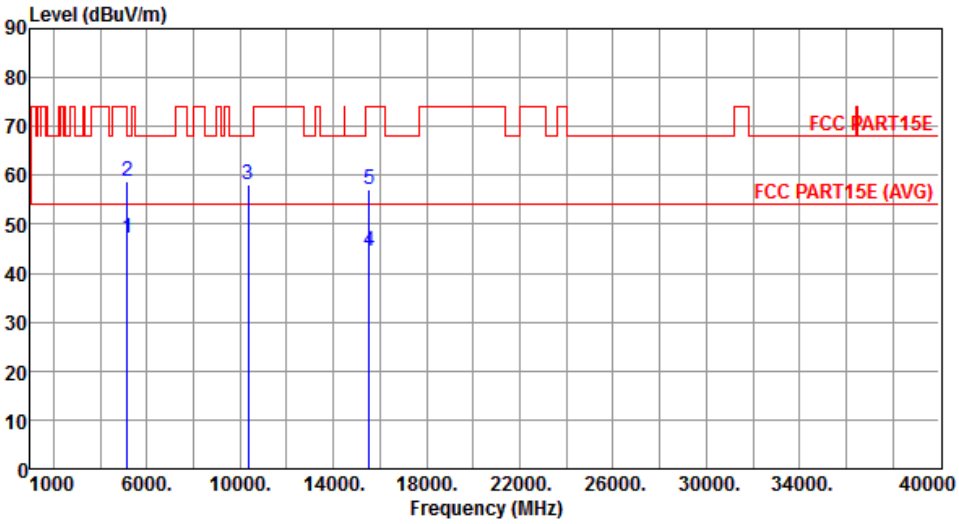
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.35	54.00	-6.65	42.33	5.02	Average	100	103
2	5150.00	60.55	74.00	-13.45	55.53	5.02	Peak	100	103
3	10360.00	57.12	68.20	-11.08	43.38	13.74	Peak	100	150
4	15540.00	44.34	54.00	-9.66	29.37	14.97	Average	100	163
5	15540.00	57.39	74.00	-16.61	42.42	14.97	Peak	100	163

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

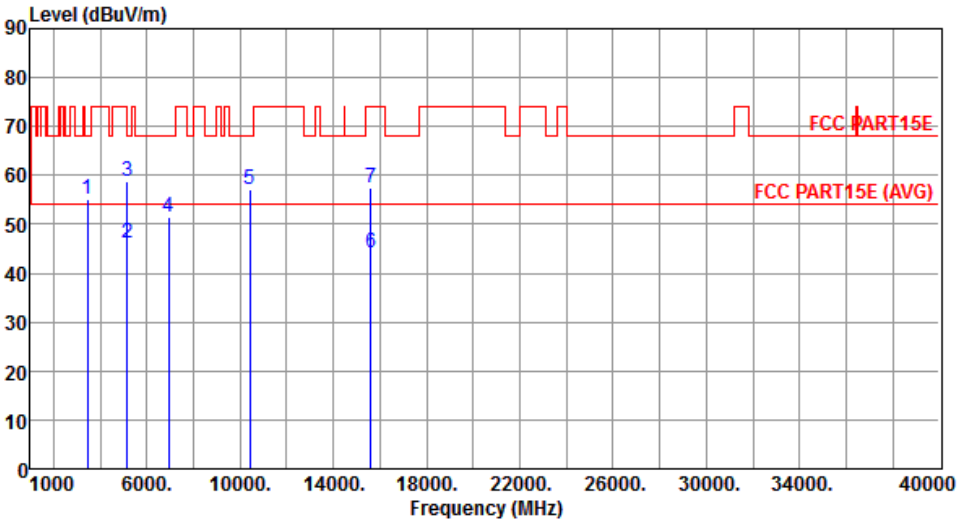
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		



	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	47.24	54.00	-6.76	42.22	5.02	Average	100	109
2	5150.00	58.85	74.00	-15.15	53.83	5.02	Peak	100	109
3	10360.00	57.96	68.20	-10.24	44.22	13.74	Peak	100	185
4	15540.00	44.60	54.00	-9.40	29.63	14.97	Average	100	56
5	15540.00	57.22	74.00	-16.78	42.25	14.97	Peak	100	56

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

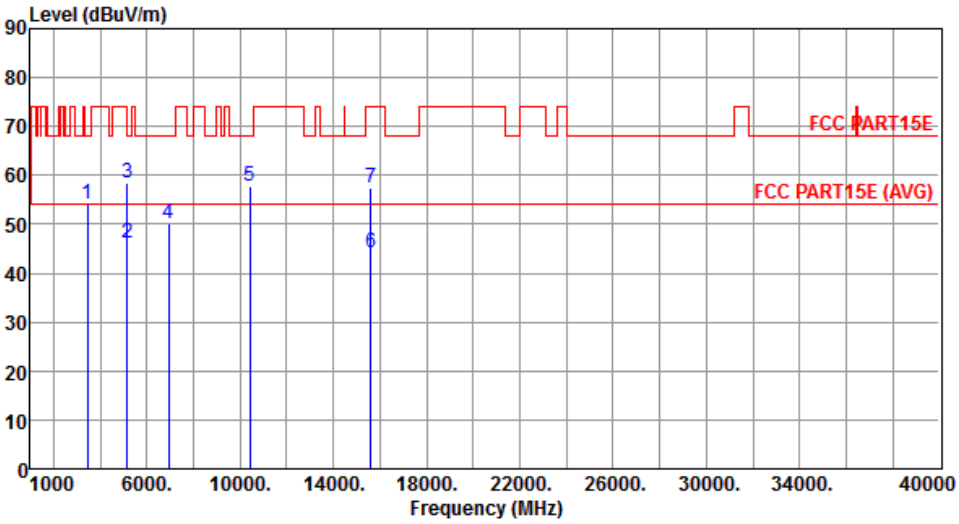
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	55.28	68.20	-12.92	54.42	0.86	Peak	100	158
2	5150.00	46.23	54.00	-7.77	41.21	5.02	Average	100	102
3	5150.00	58.67	74.00	-15.33	53.65	5.02	Peak	100	102
4	6933.33	51.51	68.20	-16.69	43.27	8.24	Peak	100	132
5	10400.00	57.22	68.20	-10.98	43.45	13.77	Peak	100	152
6	15600.00	44.06	54.00	-9.94	29.12	14.94	Average	100	161
7	15600.00	57.29	74.00	-16.71	42.35	14.94	Peak	100	161

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

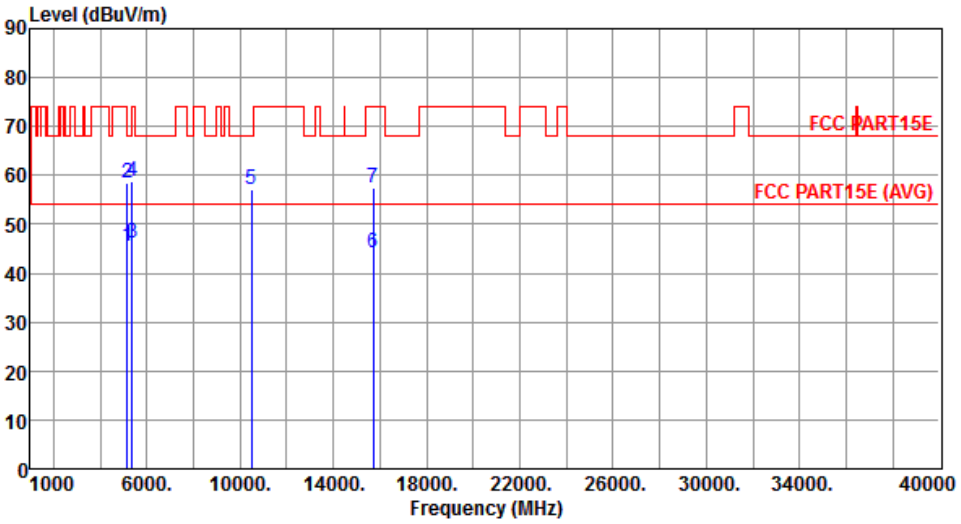
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.11	68.20	-14.09	53.25	0.86	Peak	100	255
2	5150.00	46.07	54.00	-7.93	41.05	5.02	Average	100	105
3	5150.00	58.50	74.00	-15.50	53.48	5.02	Peak	100	105
4	6933.33	50.07	68.20	-18.13	41.83	8.24	Peak	100	352
5	10400.00	57.82	68.20	-10.38	44.05	13.77	Peak	100	181
6	15600.00	44.32	54.00	-9.68	29.38	14.94	Average	100	52
7	15600.00	57.29	74.00	-16.71	42.35	14.94	Peak	100	52

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

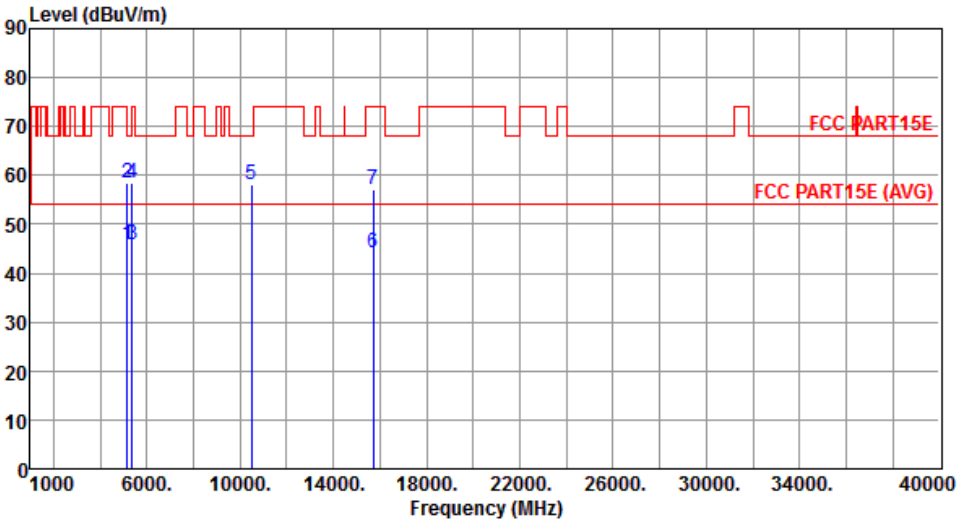
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.55	54.00	-8.45	40.53	5.02	Average	100	104
2	5150.00	58.44	74.00	-15.56	53.42	5.02	Peak	100	104
3	5350.00	46.13	54.00	-7.87	40.82	5.31	Average	100	104
4	5350.00	58.75	74.00	-15.25	53.44	5.31	Peak	100	104
5	10480.00	57.25	68.20	-10.95	43.44	13.81	Peak	100	153
6	15720.00	44.17	54.00	-9.83	29.26	14.91	Average	100	166
7	15720.00	57.53	74.00	-16.47	42.62	14.91	Peak	100	166

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

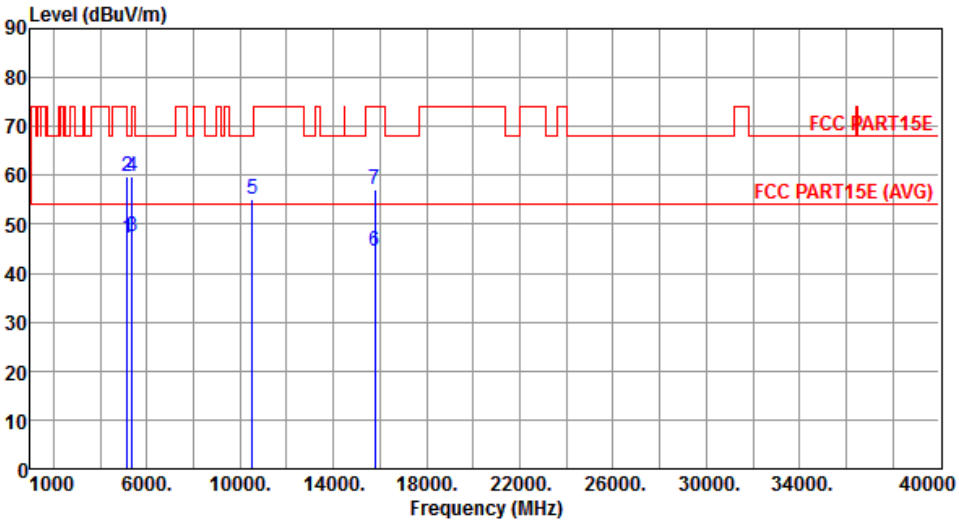
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.85	54.00	-8.15	40.83	5.02	Average	100	111
2	5150.00	58.58	74.00	-15.42	53.56	5.02	Peak	100	111
3	5350.00	45.78	54.00	-8.22	40.47	5.31	Average	100	111
4	5350.00	58.59	74.00	-15.41	53.28	5.31	Peak	100	111
5	10480.00	58.02	68.20	-10.18	44.21	13.81	Peak	100	183
6	15720.00	44.28	54.00	-9.72	29.37	14.91	Average	100	52
7	15720.00	57.06	74.00	-16.94	42.15	14.91	Peak	100	52

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

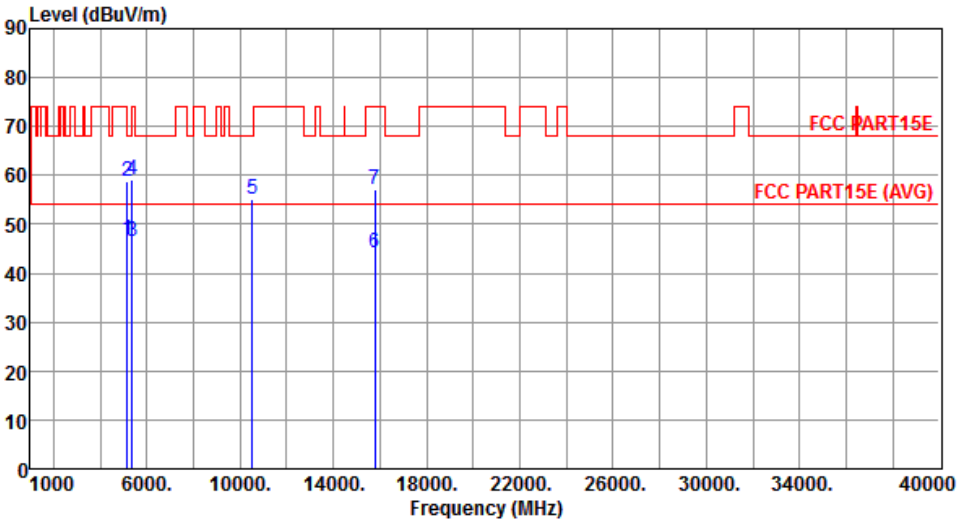
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	47.07	54.00	-6.93	42.05	5.02	Average	100	60
2	5150.00	59.74	74.00	-14.26	54.72	5.02	Peak	100	60
3	5350.00	47.44	54.00	-6.56	42.13	5.31	Average	100	60
4	5350.00	59.89	74.00	-14.11	54.58	5.31	Peak	100	60
5	10520.00	55.18	68.20	-13.02	41.34	13.84	Peak	100	149
6	15780.00	44.64	54.00	-9.36	29.77	14.87	Average	100	182
7	15780.00	57.19	74.00	-16.81	42.32	14.87	Peak	100	182

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

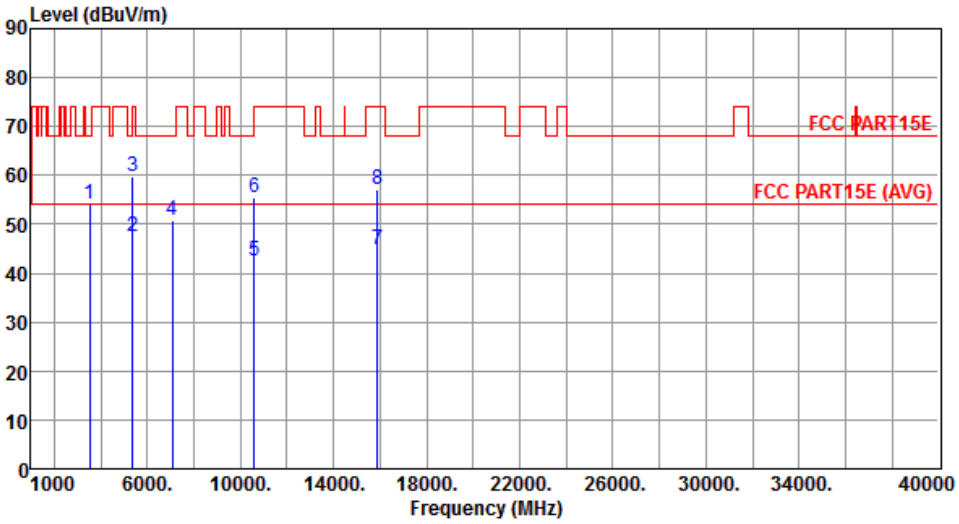
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.67	54.00	-7.33	41.65	5.02	Average	100	95
2	5150.00	58.84	74.00	-15.16	53.82	5.02	Peak	100	95
3	5350.00	46.64	54.00	-7.36	41.33	5.31	Average	100	95
4	5350.00	59.09	74.00	-14.91	53.78	5.31	Peak	100	95
5	10520.00	55.29	68.20	-12.91	41.45	13.84	Peak	100	192
6	15780.00	44.31	54.00	-9.69	29.44	14.87	Average	100	151
7	15780.00	57.16	74.00	-16.84	42.29	14.87	Peak	100	151

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

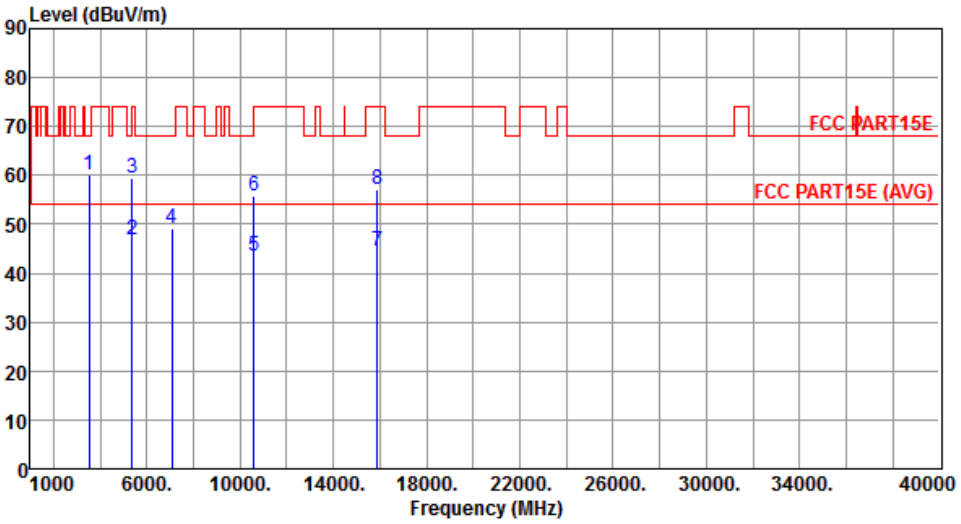
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	54.24	68.20	-13.96	53.22	1.02	Peak	100	205
2	5350.00	47.43	54.00	-6.57	42.12	5.31	Average	100	59
3	5350.00	59.83	74.00	-14.17	54.52	5.31	Peak	100	59
4	7066.66	50.88	68.20	-17.32	42.49	8.39	Peak	100	164
5	10600.00	42.63	54.00	-11.37	28.71	13.92	Average	100	151
6	10600.00	55.54	74.00	-18.46	41.62	13.92	Peak	100	151
7	15900.00	44.72	54.00	-9.28	29.88	14.84	Average	100	138
8	15900.00	56.99	74.00	-17.01	42.15	14.84	Peak	100	138

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

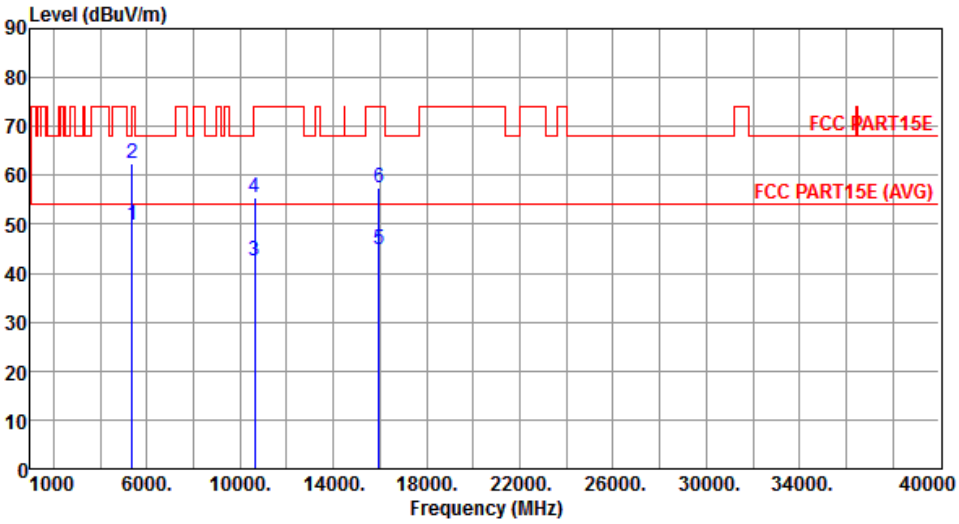
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	60.11	68.20	-8.09	59.09	1.02	Peak	100	144
2	5350.00	46.66	54.00	-7.34	41.35	5.31	Average	100	95
3	5350.00	59.36	74.00	-14.64	54.05	5.31	Peak	100	95
4	7066.66	49.26	68.20	-18.94	40.87	8.39	Peak	191	0
5	10600.00	43.35	54.00	-10.65	29.43	13.92	Average	100	182
6	10600.00	55.64	74.00	-18.36	41.72	13.92	Peak	100	182
7	15900.00	44.40	54.00	-9.60	29.56	14.84	Average	100	162
8	15900.00	57.12	74.00	-16.88	42.28	14.84	Peak	100	162

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

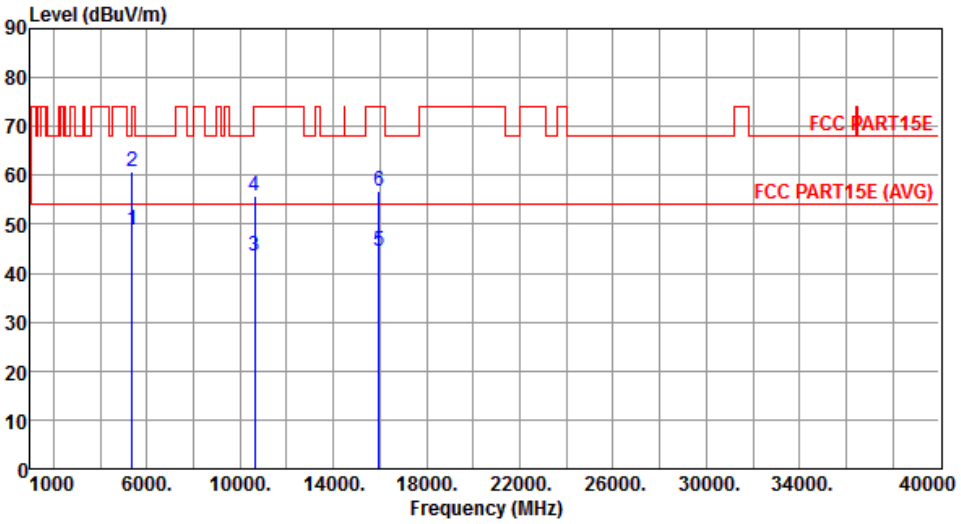
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	49.67	54.00	-4.33	44.36	5.31	Average	100	58
2	5350.00	62.56	74.00	-11.44	57.25	5.31	Peak	100	58
3	10640.00	42.47	54.00	-11.53	28.51	13.96	Average	100	156
4	10640.00	55.38	74.00	-18.62	41.42	13.96	Peak	100	156
5	15960.00	44.86	54.00	-9.14	30.05	14.81	Average	100	145
6	15960.00	57.33	74.00	-16.67	42.52	14.81	Peak	100	145

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

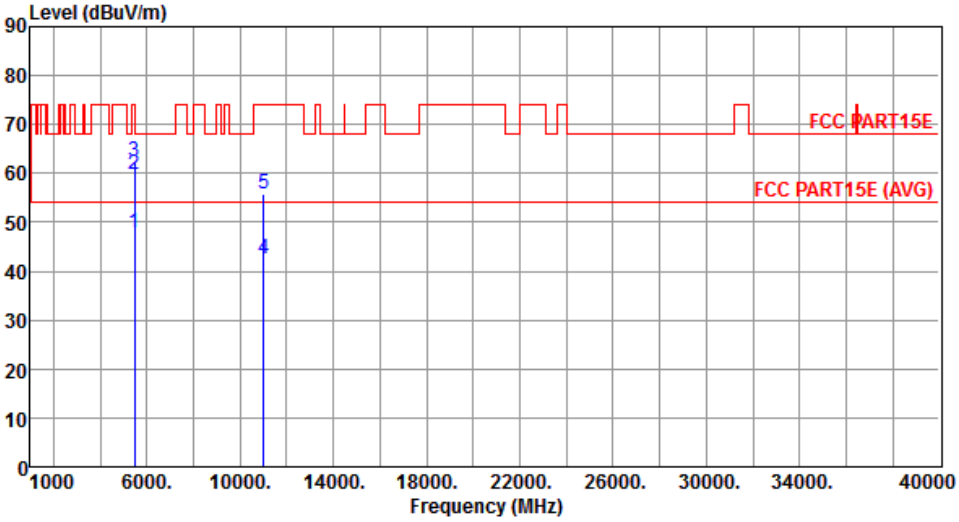
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.93	54.00	-5.07	43.62	5.31	Average	100	97
2	5350.00	60.82	74.00	-13.18	55.51	5.31	Peak	100	97
3	10640.00	43.56	54.00	-10.44	29.60	13.96	Average	100	197
4	10640.00	55.79	74.00	-18.21	41.83	13.96	Peak	100	197
5	15960.00	44.54	54.00	-9.46	29.73	14.81	Average	100	153
6	15960.00	56.88	74.00	-17.12	42.07	14.81	Peak	100	153

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

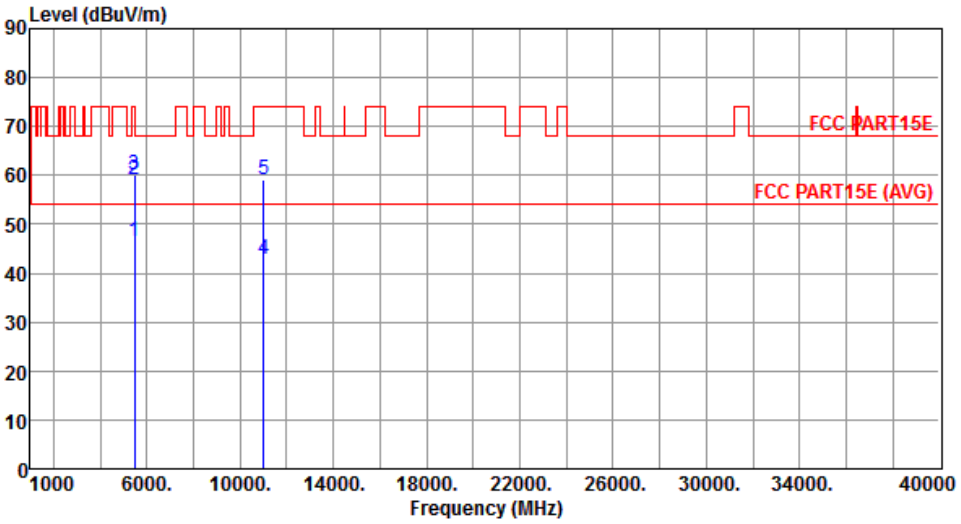
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.66	54.00	-6.34	42.20	5.46	Average	100	109
2	5460.00	59.67	74.00	-14.33	54.21	5.46	Peak	100	109
3	5470.00	62.35	68.20	-5.85	56.88	5.47	Peak	100	109
4	11000.00	42.54	54.00	-11.46	28.24	14.30	Average	100	134
5	11000.00	55.65	74.00	-18.35	41.35	14.30	Peak	100	134

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

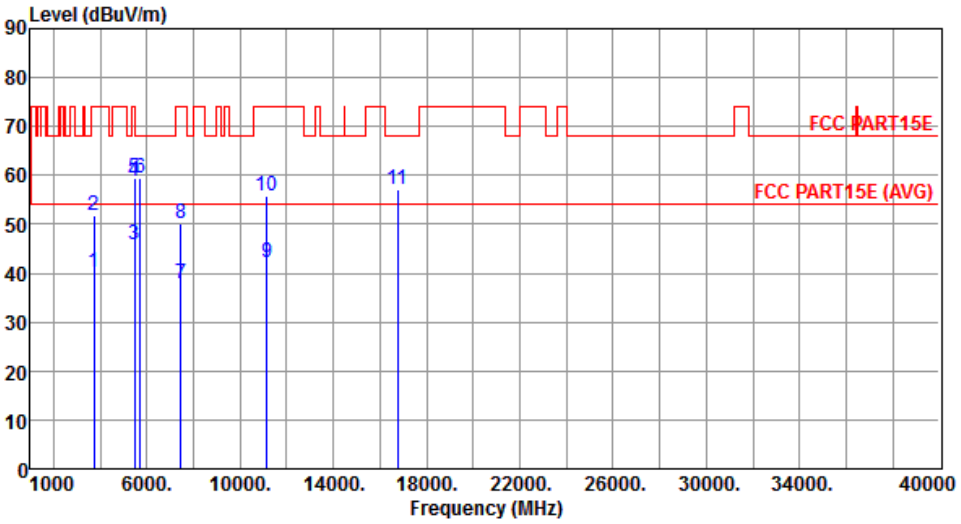
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.48	54.00	-7.52	41.02	5.46	Average	100	97
2	5460.00	59.01	74.00	-14.99	53.55	5.46	Peak	100	97
3	5470.00	59.99	68.20	-8.21	54.52	5.47	Peak	100	97
4	11000.00	42.92	54.00	-11.08	28.62	14.30	Average	152	196
5	11000.00	59.03	74.00	-14.97	44.73	14.30	Peak	152	196

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

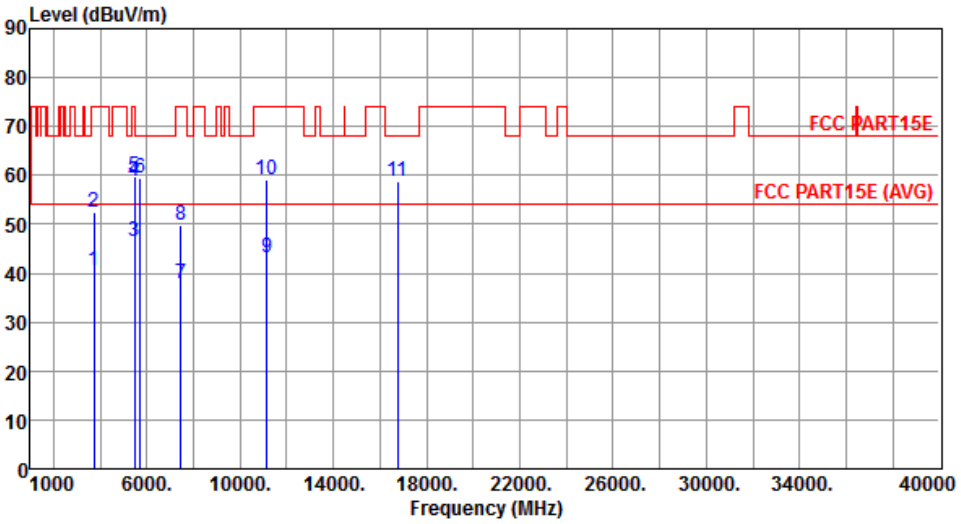
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.31	54.00	-13.69	38.71	1.60	Average	100	156
2	3720.00	51.69	74.00	-22.31	50.09	1.60	Peak	100	156
3	5460.00	45.96	54.00	-8.04	40.50	5.46	Average	100	93
4	5460.00	58.77	74.00	-15.23	53.31	5.46	Peak	100	93
5	5470.00	59.51	68.20	-8.69	54.04	5.47	Peak	100	93
6	5725.00	59.28	68.20	-8.92	53.47	5.81	Peak	100	93
7	7440.00	38.02	54.00	-15.98	28.52	9.50	Average	100	50
8	7440.00	50.21	74.00	-23.79	40.71	9.50	Peak	100	50
9	11160.00	42.19	54.00	-11.81	27.75	14.44	Average	100	156
10	11160.00	55.73	74.00	-18.27	41.29	14.44	Peak	100	156
11	16740.00	57.22	68.20	-10.98	41.25	15.97	Peak	100	156

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

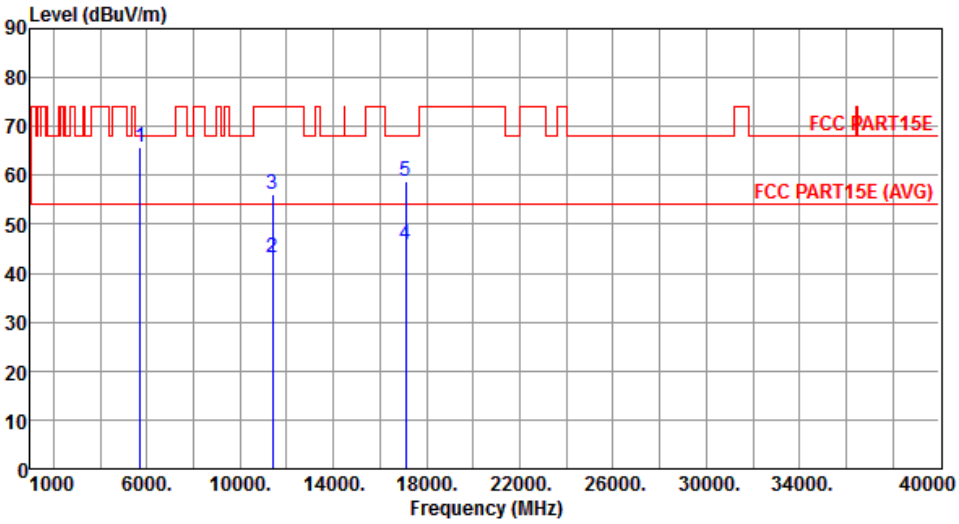
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.44	54.00	-13.56	38.84	1.60	Average	100	133
2	3720.00	52.55	74.00	-21.45	50.95	1.60	Peak	100	133
3	5460.00	46.44	54.00	-7.56	40.98	5.46	Average	110	97
4	5460.00	58.67	74.00	-15.33	53.21	5.46	Peak	110	97
5	5470.00	59.80	68.20	-8.40	54.33	5.47	Peak	110	97
6	5725.00	59.56	68.20	-8.64	53.75	5.81	Peak	110	97
7	7440.00	37.83	54.00	-16.17	28.33	9.50	Average	100	350
8	7440.00	49.79	74.00	-24.21	40.29	9.50	Peak	100	350
9	11160.00	43.12	54.00	-10.88	28.68	14.44	Average	152	195
10	11160.00	59.16	74.00	-14.84	44.72	14.44	Peak	152	195
11	16740.00	58.86	68.20	-9.34	42.89	15.97	Peak	100	152

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

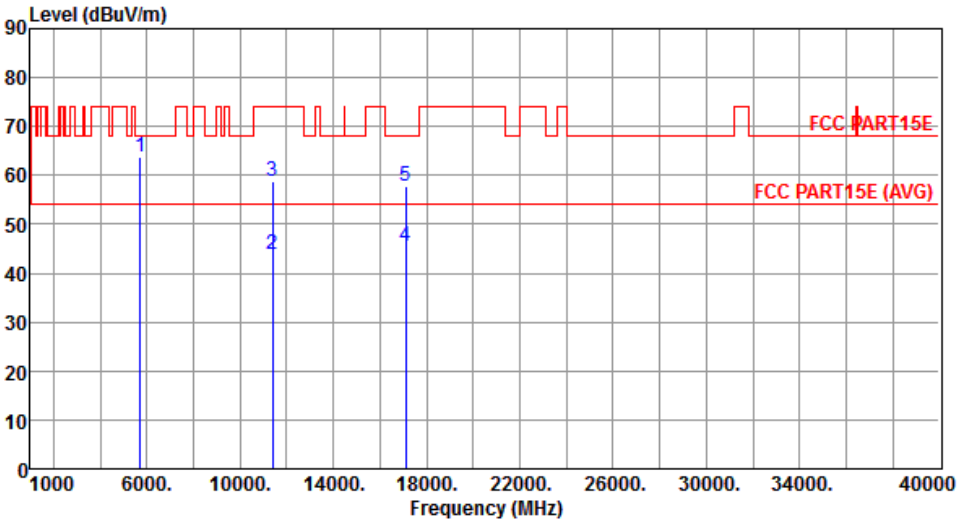
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.79	68.20	-2.41	59.98	5.81	Peak	100	102
2	11400.00	43.18	54.00	-10.82	28.53	14.65	Average	100	162
3	11400.00	56.07	74.00	-17.93	41.42	14.65	Peak	100	162
4	17100.00	45.82	54.00	-8.18	29.31	16.51	Average	100	152
5	17100.00	58.79	68.20	-9.41	42.28	16.51	Peak	100	152

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

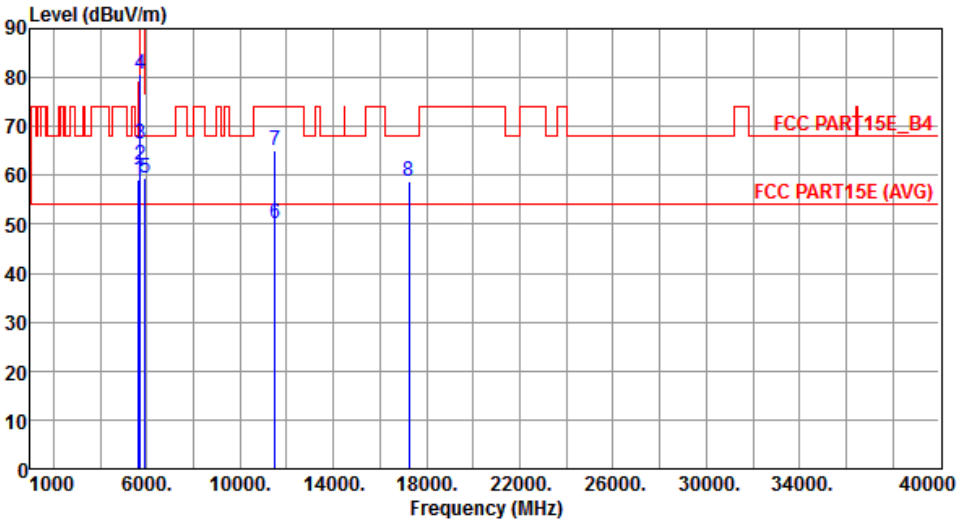
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	63.64	68.20	-4.56	57.83	5.81	Peak	100	104
2	11400.00	43.90	54.00	-10.10	29.25	14.65	Average	100	165
3	11400.00	58.80	74.00	-15.20	44.15	14.65	Peak	100	165
4	17100.00	45.44	54.00	-8.56	28.93	16.51	Average	100	142
5	17100.00	57.83	68.20	-10.37	41.32	16.51	Peak	100	142

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

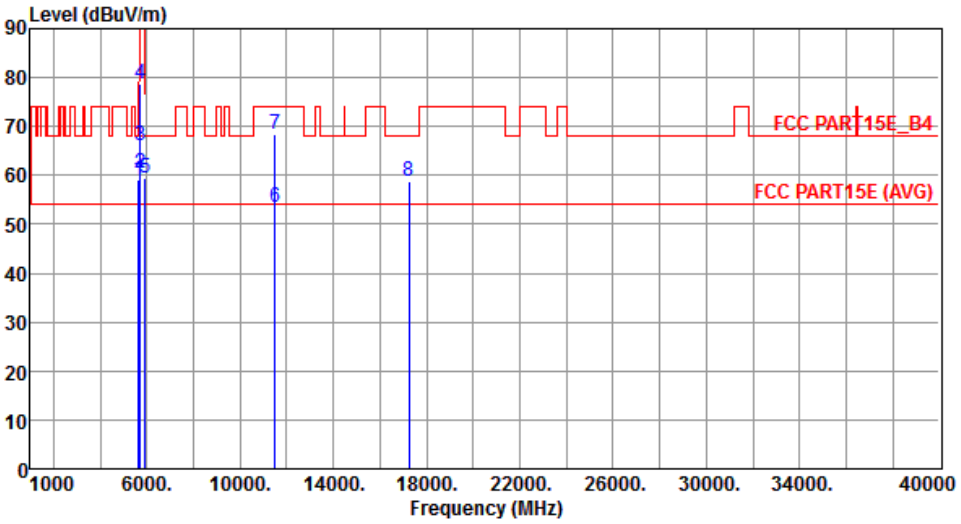
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.22	68.20	-8.98	53.53	5.69	Peak	100	105
2	5700.00	61.96	105.20	-43.24	56.19	5.77	Peak	100	105
3	5720.00	66.32	110.80	-44.48	60.53	5.79	Peak	100	105
4	5725.00	80.85	122.20	-41.35	75.04	5.81	Peak	100	105
5	5925.00	59.34	68.20	-8.86	53.25	6.09	Peak	100	105
6	11490.00	50.26	54.00	-3.74	35.53	14.73	Average	100	93
7	11490.00	65.04	74.00	-8.96	50.31	14.73	Peak	100	93
8	17235.00	58.64	68.20	-9.56	41.57	17.07	Peak	100	162

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

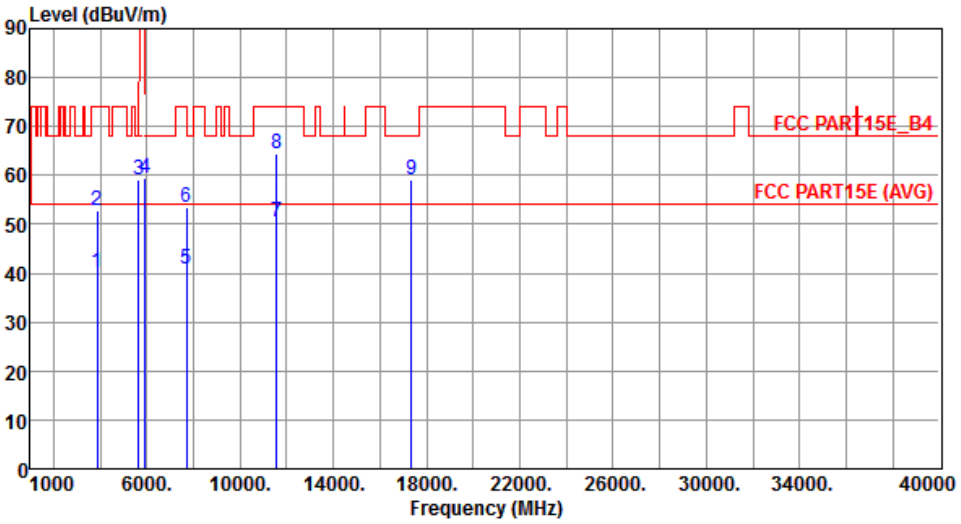
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.11	68.20	-9.09	53.42	5.69	Peak	111	120
2	5700.00	60.33	105.20	-44.87	54.56	5.77	Peak	111	120
3	5720.00	66.22	110.80	-44.58	60.43	5.79	Peak	111	120
4	5725.00	78.84	122.20	-43.36	73.03	5.81	Peak	111	120
5	5925.00	59.52	68.20	-8.68	53.43	6.09	Peak	111	120
6	11490.00	53.59	54.00	-0.41	38.86	14.73	Average	100	185
7	11490.00	68.37	74.00	-5.63	53.64	14.73	Peak	100	185
8	17235.00	58.62	68.20	-9.58	41.55	17.07	Peak	100	143

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

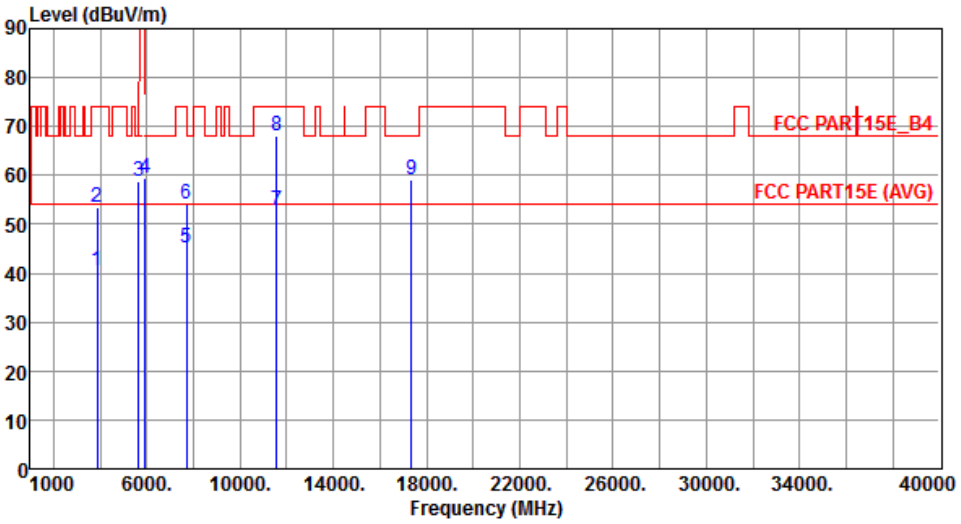
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.31	54.00	-13.69	38.26	2.05	Average	100	142
2	3856.66	52.76	74.00	-21.24	50.71	2.05	Peak	100	142
3	5650.00	59.17	68.20	-9.03	53.48	5.69	Peak	100	116
4	5925.00	59.49	68.20	-8.71	53.40	6.09	Peak	100	116
5	7713.33	41.00	54.00	-13.00	31.33	9.67	Average	145	181
6	7713.33	53.39	74.00	-20.61	43.72	9.67	Peak	145	181
7	11570.00	50.55	54.00	-3.45	35.95	14.60	Average	100	95
8	11570.00	64.29	74.00	-9.71	49.69	14.60	Peak	100	95
9	17355.00	58.95	68.20	-9.25	41.40	17.55	Peak	100	175

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

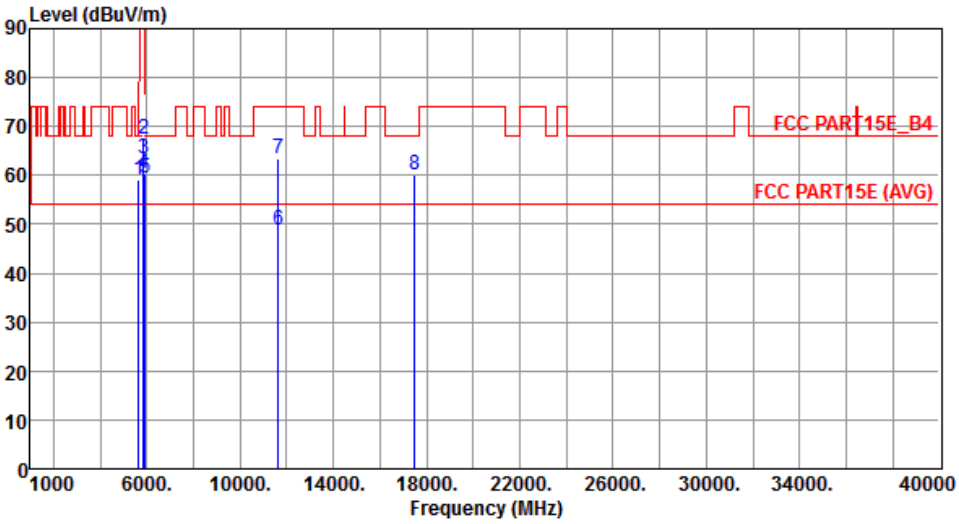
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.40	54.00	-13.60	38.35	2.05	Average	148	148
2	3856.66	53.61	74.00	-20.39	51.56	2.05	Peak	148	148
3	5650.00	58.84	68.20	-9.36	53.15	5.69	Peak	100	121
4	5925.00	59.35	68.20	-8.85	53.26	6.09	Peak	100	121
5	7713.33	45.12	54.00	-8.88	35.45	9.67	Average	148	275
6	7713.33	54.28	74.00	-19.72	44.61	9.67	Peak	148	275
7	11570.00	52.82	54.00	-1.18	38.22	14.60	Average	100	187
8	11570.00	68.12	74.00	-5.88	53.52	14.60	Peak	100	187
9	17355.00	59.19	68.20	-9.01	41.64	17.55	Peak	100	135

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

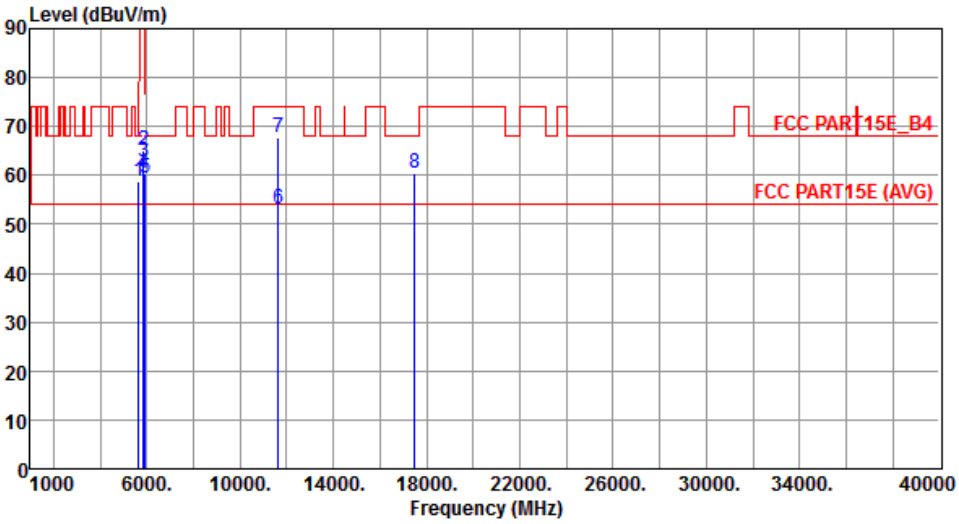
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.11	68.20	-9.09	53.42	5.69	Peak	100	119
2	5850.00	67.43	122.20	-54.77	61.44	5.99	Peak	100	119
3	5855.00	63.57	110.80	-47.23	57.57	6.00	Peak	100	119
4	5875.00	60.37	105.20	-44.83	54.35	6.02	Peak	100	119
5	5925.00	59.50	68.20	-8.70	53.41	6.09	Peak	100	119
6	11650.00	48.97	54.00	-5.03	34.53	14.44	Average	100	96
7	11650.00	63.31	74.00	-10.69	48.87	14.44	Peak	100	96
8	17475.00	60.14	68.20	-8.06	42.10	18.04	Peak	100	138

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

Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		

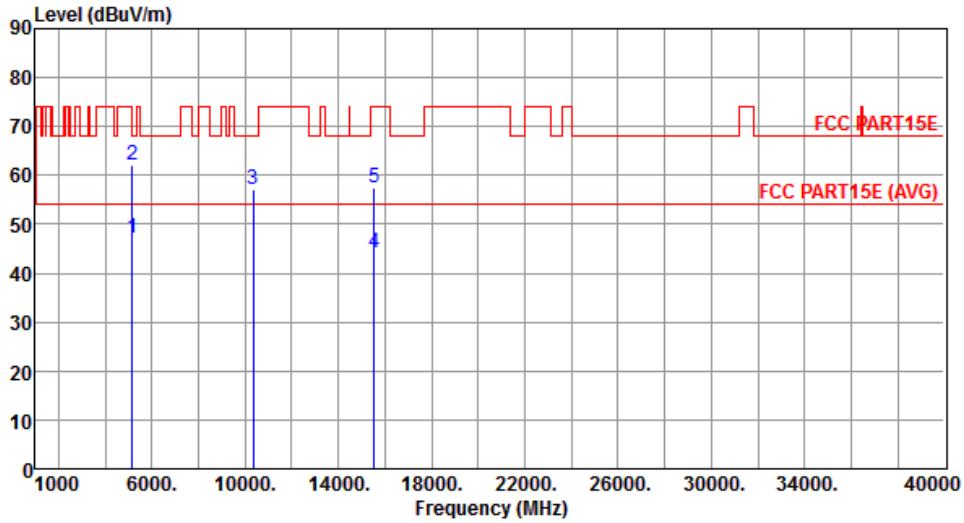


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.80	68.20	-9.40	53.11	5.69	Peak	111	122
2	5850.00	65.14	122.20	-57.06	59.15	5.99	Peak	111	122
3	5855.00	62.83	110.80	-47.97	56.83	6.00	Peak	111	122
4	5875.00	60.56	105.20	-44.64	54.54	6.02	Peak	111	122
5	5925.00	59.46	68.20	-8.74	53.37	6.09	Peak	111	122
6	11650.00	53.16	54.00	-0.84	38.72	14.44	Average	100	187
7	11650.00	67.75	74.00	-6.25	53.31	14.44	Peak	100	187
8	17475.00	60.28	68.20	-7.92	42.24	18.04	Peak	100	165

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

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

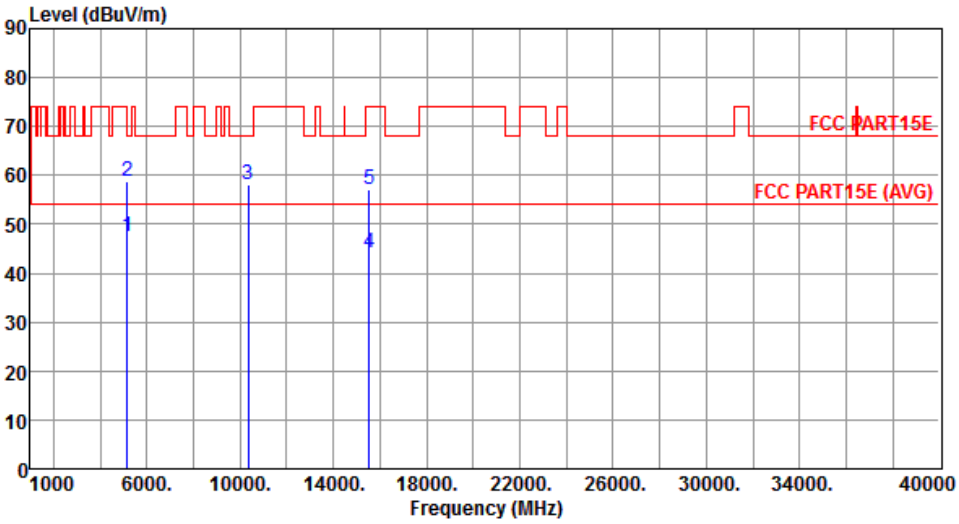
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		



	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	47.07	54.00	-6.93	42.05	5.02	Average	100	102
2	5150.00	61.96	74.00	-12.04	56.94	5.02	Peak	100	102
3	10360.00	57.16	68.20	-11.04	43.42	13.74	Peak	100	148
4	15540.00	44.22	54.00	-9.78	29.25	14.97	Average	100	161
5	15540.00	57.33	74.00	-16.67	42.36	14.97	Peak	100	161

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

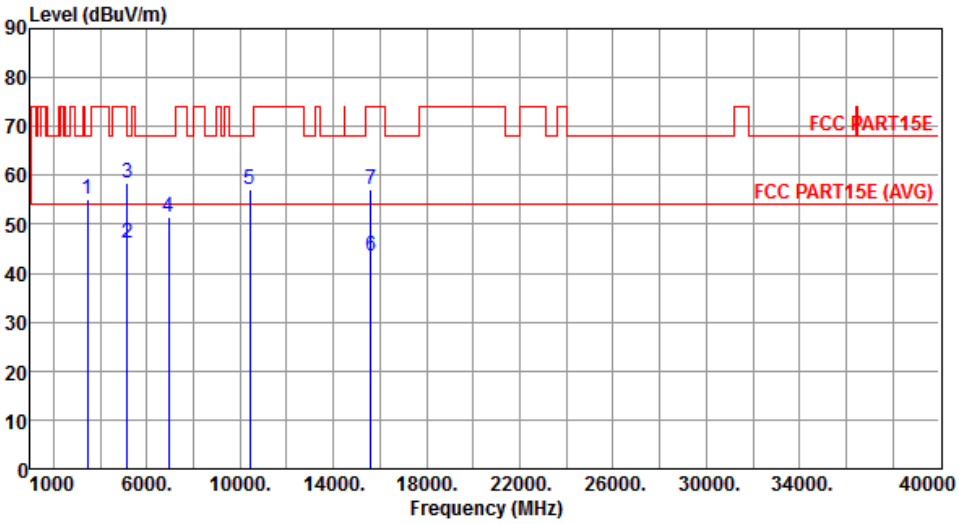
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		



	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	47.33	54.00	-6.67	42.31	5.02	Average	100	105
2	5150.00	58.63	74.00	-15.37	53.61	5.02	Peak	100	105
3	10360.00	58.10	68.20	-10.10	44.36	13.74	Peak	100	183
4	15540.00	44.22	54.00	-9.78	29.25	14.97	Average	100	58
5	15540.00	57.25	74.00	-16.75	42.28	14.97	Peak	100	58

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

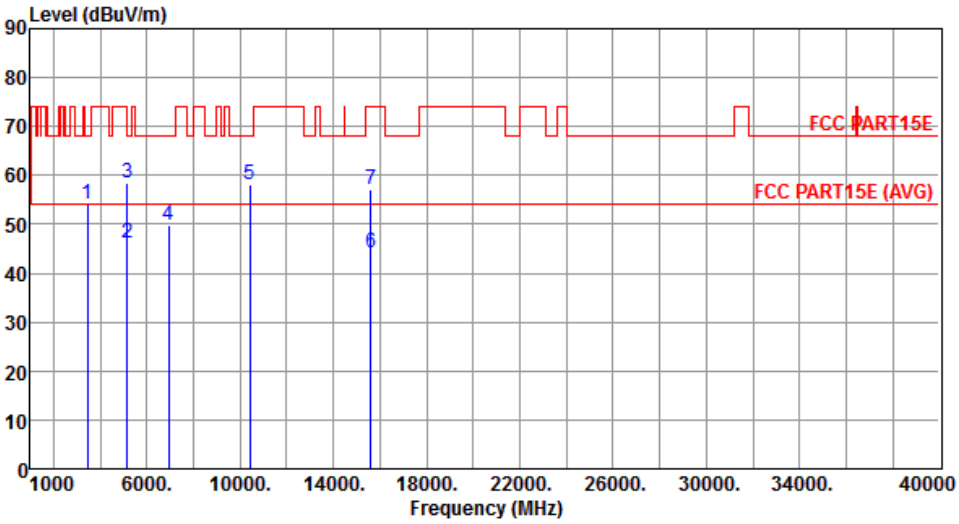
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	55.11	68.20	-13.09	54.25	0.86	Peak	100	155
2	5150.00	46.07	54.00	-7.93	41.05	5.02	Average	100	103
3	5150.00	58.50	74.00	-15.50	53.48	5.02	Peak	100	103
4	6933.33	51.59	68.20	-16.61	43.35	8.24	Peak	100	128
5	10400.00	57.02	68.20	-11.18	43.25	13.77	Peak	100	150
6	15600.00	43.50	54.00	-10.50	28.56	14.94	Average	100	158
7	15600.00	57.12	74.00	-16.88	42.18	14.94	Peak	100	158

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

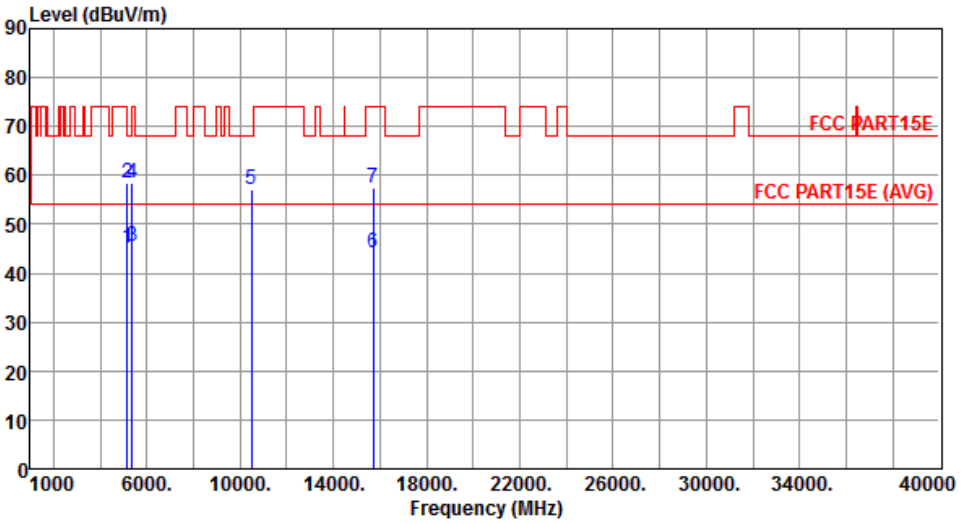
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.30	68.20	-13.90	53.44	0.86	Peak	100	251
2	5150.00	46.18	54.00	-7.82	41.16	5.02	Average	100	104
3	5150.00	58.35	74.00	-15.65	53.33	5.02	Peak	100	104
4	6933.33	49.67	68.20	-18.53	41.43	8.24	Peak	100	350
5	10400.00	57.98	68.20	-10.22	44.21	13.77	Peak	100	178
6	15600.00	44.17	54.00	-9.83	29.23	14.94	Average	100	49
7	15600.00	57.10	74.00	-16.90	42.16	14.94	Peak	100	49

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

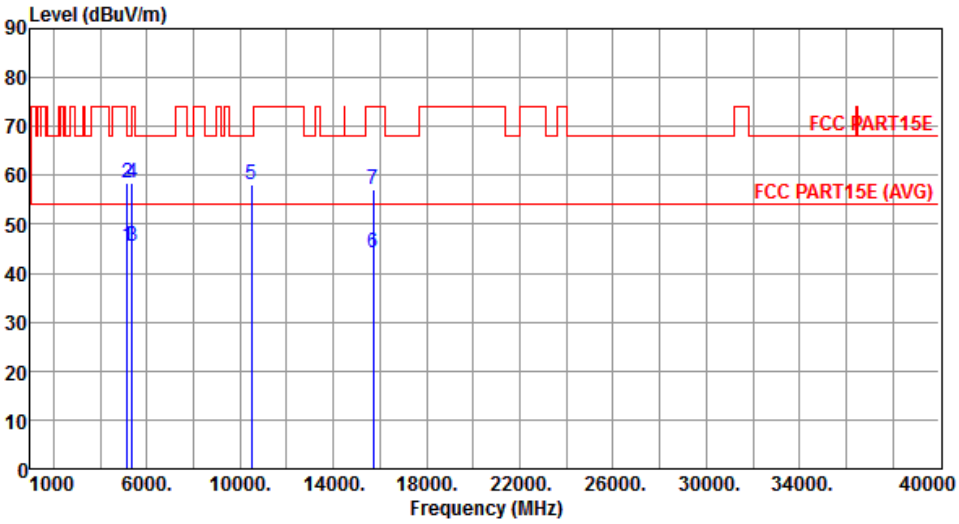
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		



	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	45.30	54.00	-8.70	40.28	5.02	Average	100	101
2	5150.00	58.35	74.00	-15.65	53.33	5.02	Peak	100	101
3	5350.00	45.56	54.00	-8.44	40.25	5.31	Average	100	101
4	5350.00	58.52	74.00	-15.48	53.21	5.31	Peak	100	101
5	10480.00	57.09	68.20	-11.11	43.28	13.81	Peak	100	152
6	15720.00	44.06	54.00	-9.94	29.15	14.91	Average	100	153
7	15720.00	57.33	74.00	-16.67	42.42	14.91	Peak	100	153

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

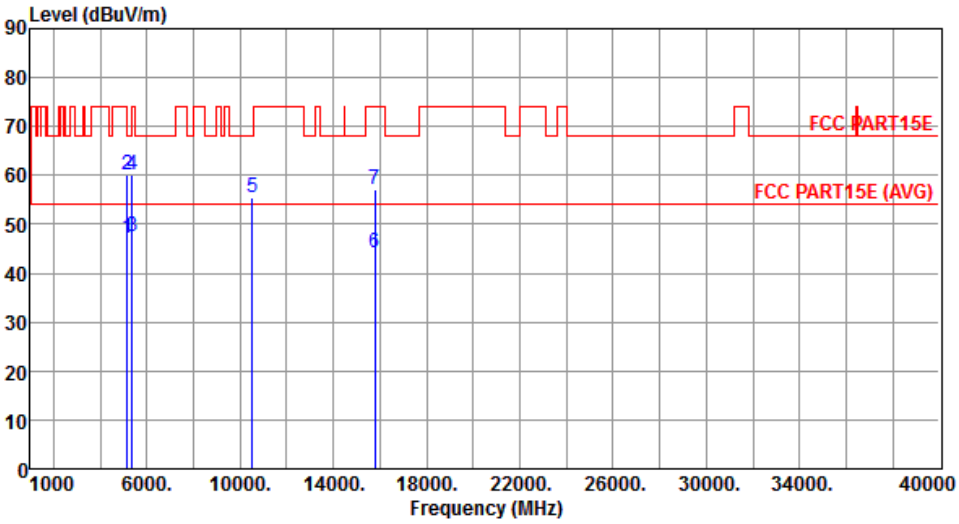
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		



	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	45.45	54.00	-8.55	40.43	5.02	Average	100	110
2	5150.00	58.30	74.00	-15.70	53.28	5.02	Peak	100	110
3	5350.00	45.64	54.00	-8.36	40.33	5.31	Average	100	110
4	5350.00	58.47	74.00	-15.53	53.16	5.31	Peak	100	110
5	10480.00	57.97	68.20	-10.23	44.16	13.81	Peak	100	185
6	15720.00	44.21	54.00	-9.79	29.30	14.91	Average	100	50
7	15720.00	57.11	74.00	-16.89	42.20	14.91	Peak	100	50

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

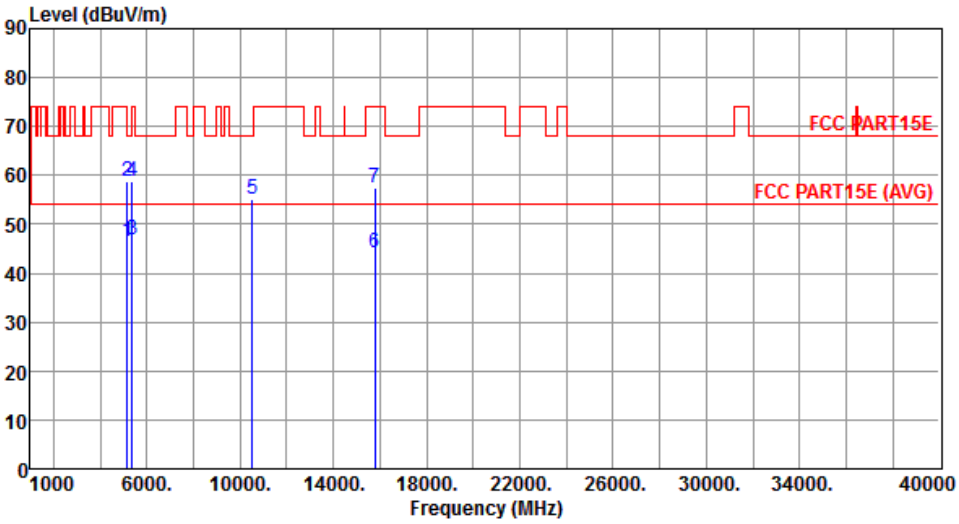
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	47.27	54.00	-6.73	42.25	5.02	Average	100	58
2	5150.00	59.95	74.00	-14.05	54.93	5.02	Peak	100	58
3	5350.00	47.62	54.00	-6.38	42.31	5.31	Average	100	58
4	5350.00	60.03	74.00	-13.97	54.72	5.31	Peak	100	58
5	10520.00	55.39	68.20	-12.81	41.55	13.84	Peak	100	141
6	15780.00	44.23	54.00	-9.77	29.36	14.87	Average	100	175
7	15780.00	57.04	74.00	-16.96	42.17	14.87	Peak	100	175

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

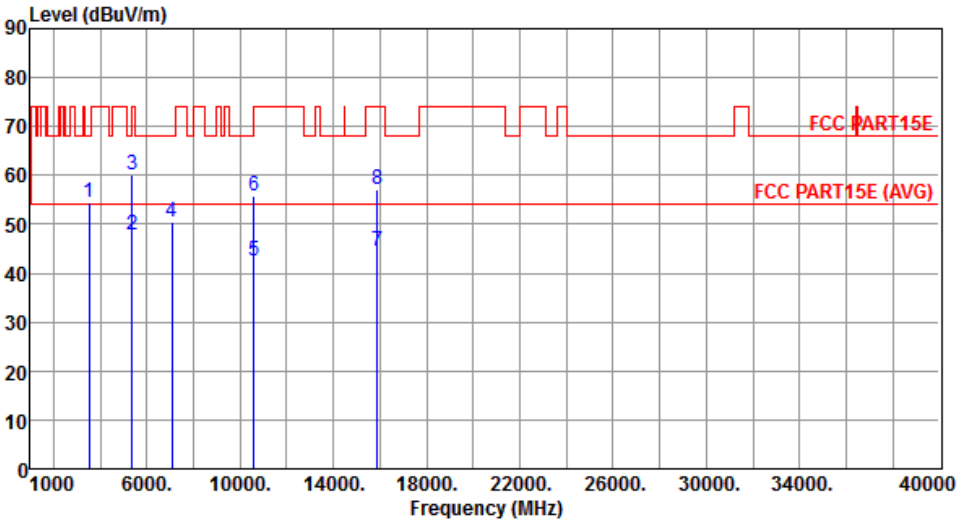
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.37	54.00	-7.63	41.35	5.02	Average	100	92
2	5150.00	58.69	74.00	-15.31	53.67	5.02	Peak	100	92
3	5350.00	46.84	54.00	-7.16	41.53	5.31	Average	100	92
4	5350.00	58.75	74.00	-15.25	53.44	5.31	Peak	100	92
5	10520.00	55.12	68.20	-13.08	41.28	13.84	Peak	100	186
6	15780.00	44.16	54.00	-9.84	29.29	14.87	Average	100	148
7	15780.00	57.30	74.00	-16.70	42.43	14.87	Peak	100	148

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

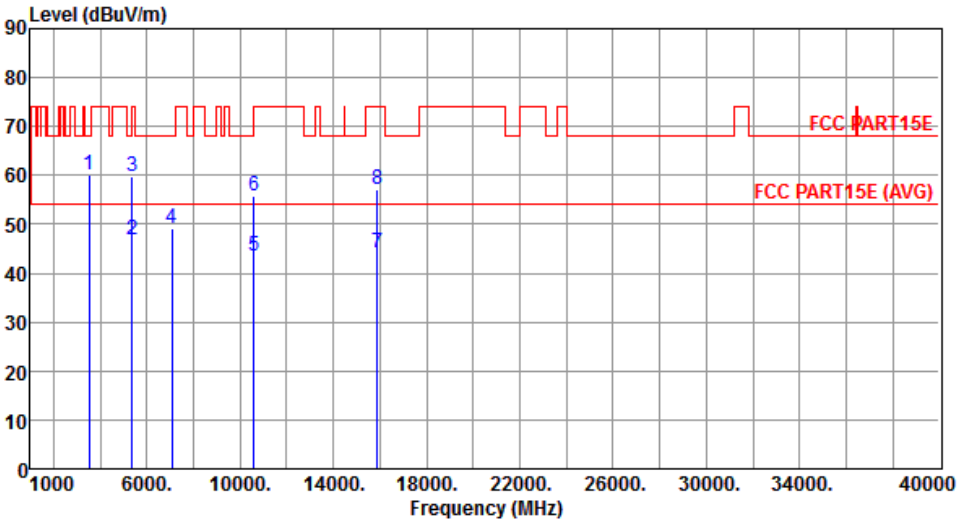
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	54.47	68.20	-13.73	53.45	1.02	Peak	100	202
2	5350.00	47.75	54.00	-6.25	42.44	5.31	Average	100	56
3	5350.00	60.04	74.00	-13.96	54.73	5.31	Peak	100	56
4	7066.66	50.52	68.20	-17.68	42.13	8.39	Peak	100	162
5	10600.00	42.47	54.00	-11.53	28.55	13.92	Average	100	148
6	10600.00	55.85	74.00	-18.15	41.93	13.92	Peak	100	148
7	15900.00	44.39	54.00	-9.61	29.55	14.84	Average	100	133
8	15900.00	57.22	74.00	-16.78	42.38	14.84	Peak	100	133

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

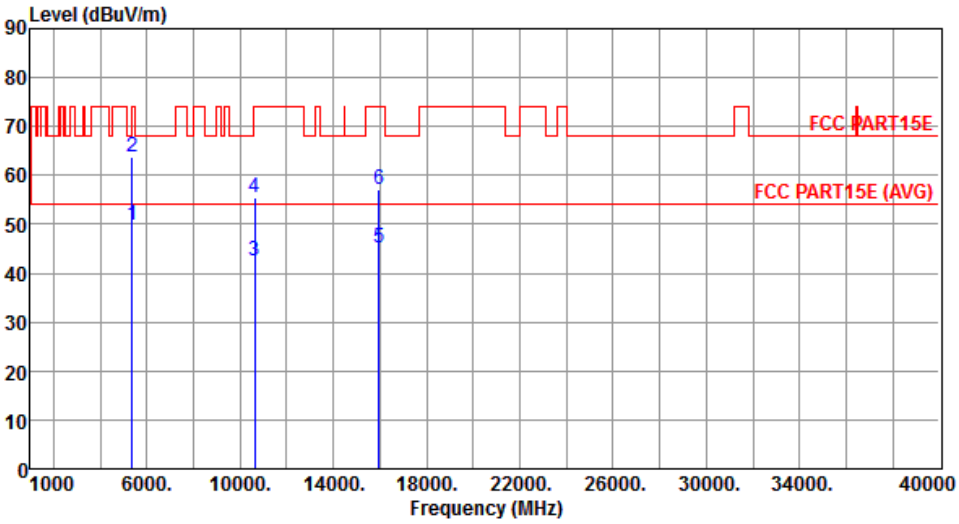
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	60.27	68.20	-7.93	59.25	1.02	Peak	100	142
2	5350.00	46.76	54.00	-7.24	41.45	5.31	Average	100	92
3	5350.00	59.66	74.00	-14.34	54.35	5.31	Peak	100	92
4	7066.66	49.12	68.20	-19.08	40.73	8.39	Peak	190	2
5	10600.00	43.64	54.00	-10.36	29.72	13.92	Average	100	181
6	10600.00	55.75	74.00	-18.25	41.83	13.92	Peak	100	181
7	15900.00	44.28	54.00	-9.72	29.44	14.84	Average	100	160
8	15900.00	57.27	74.00	-16.73	42.43	14.84	Peak	100	160

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

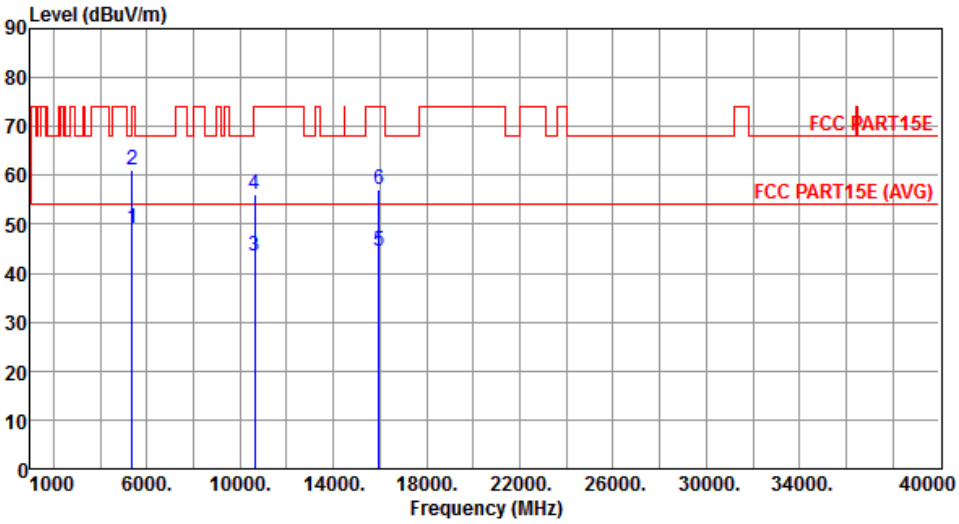
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	49.93	54.00	-4.07	44.62	5.31	Average	100	57
2	5350.00	63.62	74.00	-10.38	58.31	5.31	Peak	100	57
3	10640.00	42.38	54.00	-11.62	28.42	13.96	Average	100	151
4	10640.00	55.57	74.00	-18.43	41.61	13.96	Peak	100	151
5	15960.00	45.03	54.00	-8.97	30.22	14.81	Average	100	142
6	15960.00	57.27	74.00	-16.73	42.46	14.81	Peak	100	142

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

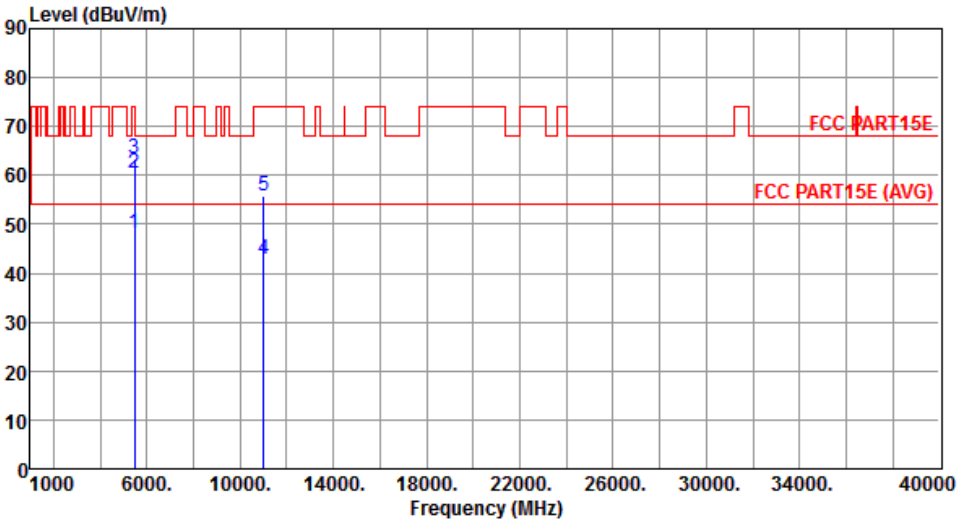
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	49.12	54.00	-4.88	43.81	5.31	Average	100	95
2	5350.00	61.07	74.00	-12.93	55.76	5.31	Peak	100	95
3	10640.00	43.43	54.00	-10.57	29.47	13.96	Average	100	191
4	10640.00	56.16	74.00	-17.84	42.20	13.96	Peak	100	191
5	15960.00	44.37	54.00	-9.63	29.56	14.81	Average	100	151
6	15960.00	57.03	74.00	-16.97	42.22	14.81	Peak	100	151

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

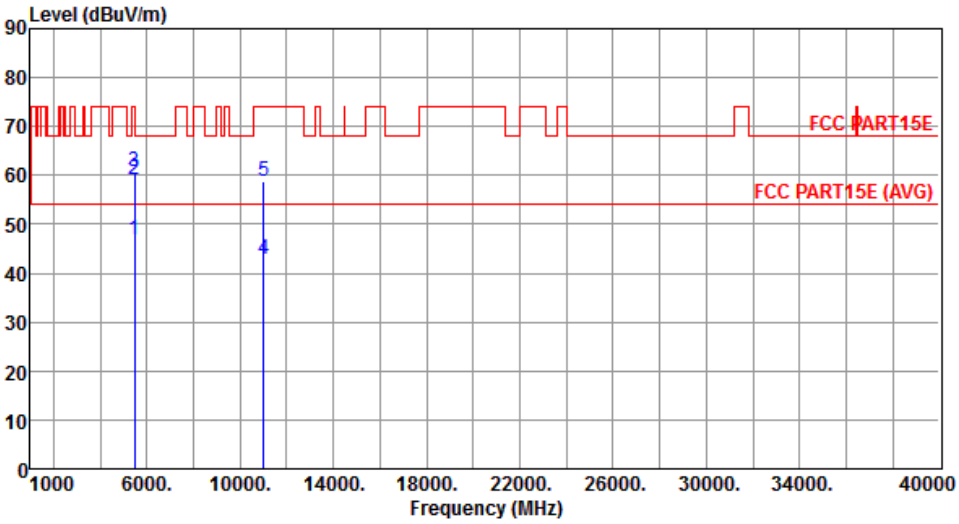
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.11	54.00	-5.89	42.65	5.46	Average	100	105
2	5460.00	60.61	74.00	-13.39	55.15	5.46	Peak	100	105
3	5470.00	63.40	68.20	-4.80	57.93	5.47	Peak	100	105
4	11000.00	42.72	54.00	-11.28	28.42	14.30	Average	100	132
5	11000.00	55.74	74.00	-18.26	41.44	14.30	Peak	100	132

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

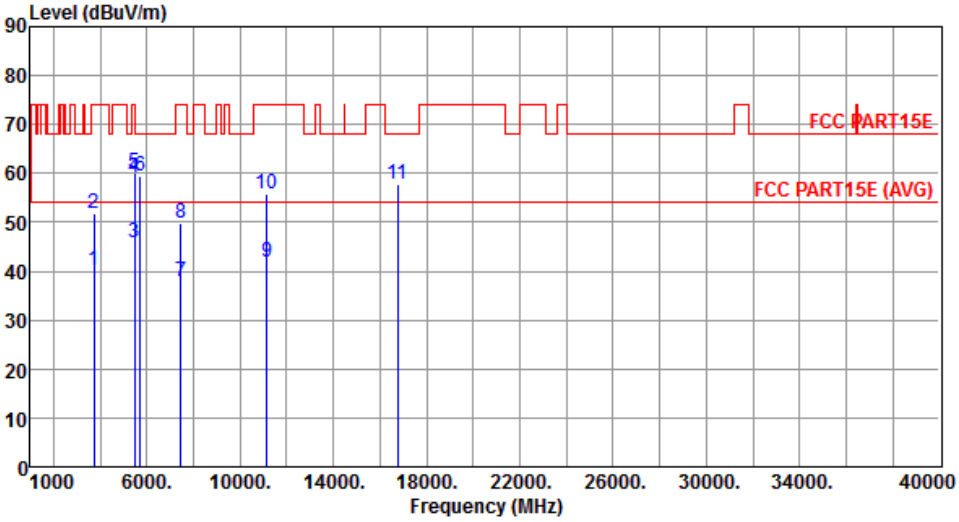
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.99	54.00	-7.01	41.53	5.46	Average	100	95
2	5460.00	59.28	74.00	-14.72	53.82	5.46	Peak	100	95
3	5470.00	60.79	68.20	-7.41	55.32	5.47	Peak	100	95
4	11000.00	42.74	54.00	-11.26	28.44	14.30	Average	150	195
5	11000.00	58.83	74.00	-15.17	44.53	14.30	Peak	150	195

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

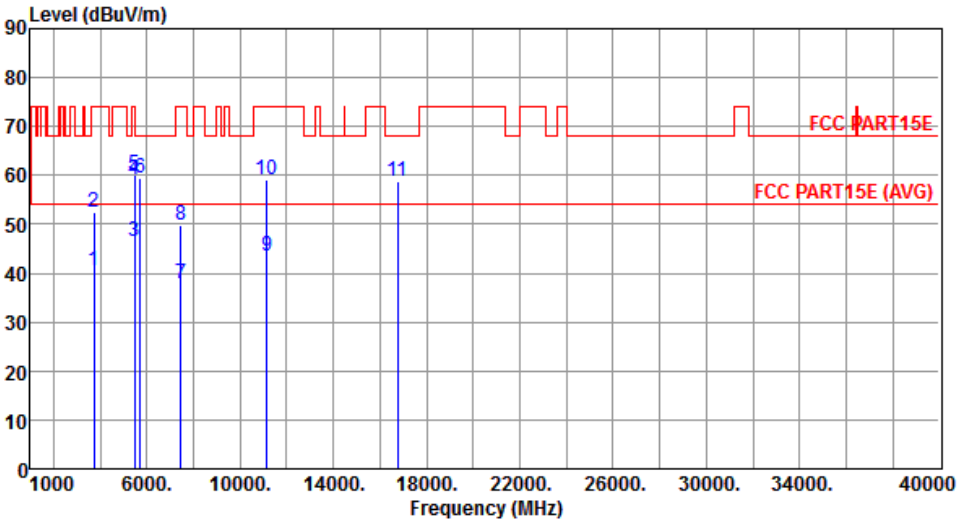
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.17	54.00	-13.83	38.57	1.60	Average	100	151
2	3720.00	51.85	74.00	-22.15	50.25	1.60	Peak	100	151
3	5460.00	45.90	54.00	-8.10	40.44	5.46	Average	100	91
4	5460.00	59.04	74.00	-14.96	53.58	5.46	Peak	100	91
5	5470.00	60.09	68.20	-8.11	54.62	5.47	Peak	100	91
6	5725.00	59.36	68.20	-8.84	53.55	5.81	Peak	100	95
7	7440.00	37.74	54.00	-16.26	28.24	9.50	Average	100	48
8	7440.00	49.78	74.00	-24.22	40.28	9.50	Peak	100	48
9	11160.00	41.99	54.00	-12.01	27.55	14.44	Average	100	151
10	11160.00	55.95	74.00	-18.05	41.51	14.44	Peak	100	151
11	16740.00	57.90	68.20	-10.30	41.93	15.97	Peak	100	163

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

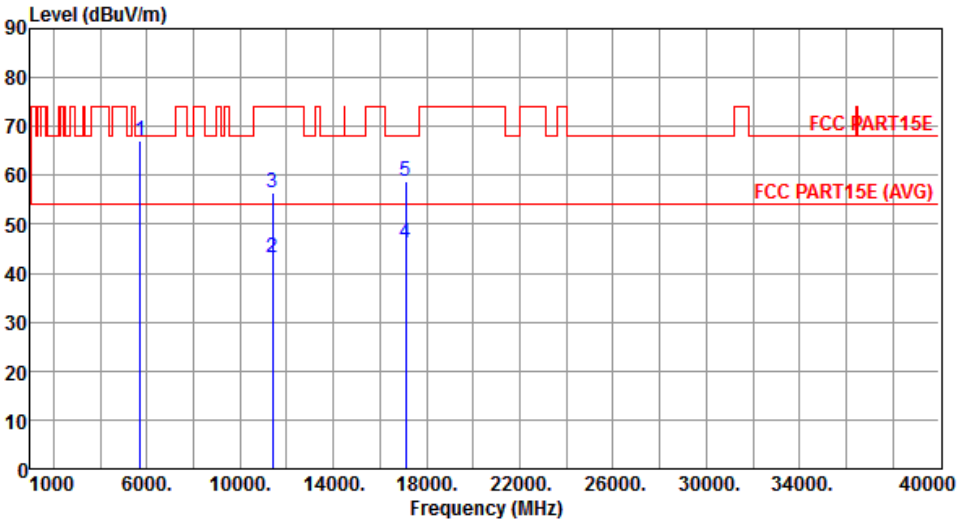
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.36	54.00	-13.64	38.76	1.60	Average	100	132
2	3720.00	52.38	74.00	-21.62	50.78	1.60	Peak	100	132
3	5460.00	46.61	54.00	-7.39	41.15	5.46	Average	108	96
4	5460.00	58.99	74.00	-15.01	53.53	5.46	Peak	108	96
5	5470.00	60.19	68.20	-8.01	54.72	5.47	Peak	108	96
6	5725.00	59.32	68.20	-8.88	53.51	5.81	Peak	108	96
7	7440.00	37.81	54.00	-16.19	28.31	9.50	Average	100	348
8	7440.00	49.91	74.00	-24.09	40.41	9.50	Peak	100	348
9	11160.00	43.37	54.00	-10.63	28.93	14.44	Average	151	197
10	11160.00	59.00	74.00	-15.00	44.56	14.44	Peak	151	197
11	16740.00	58.72	68.20	-9.48	42.75	15.97	Peak	100	163

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

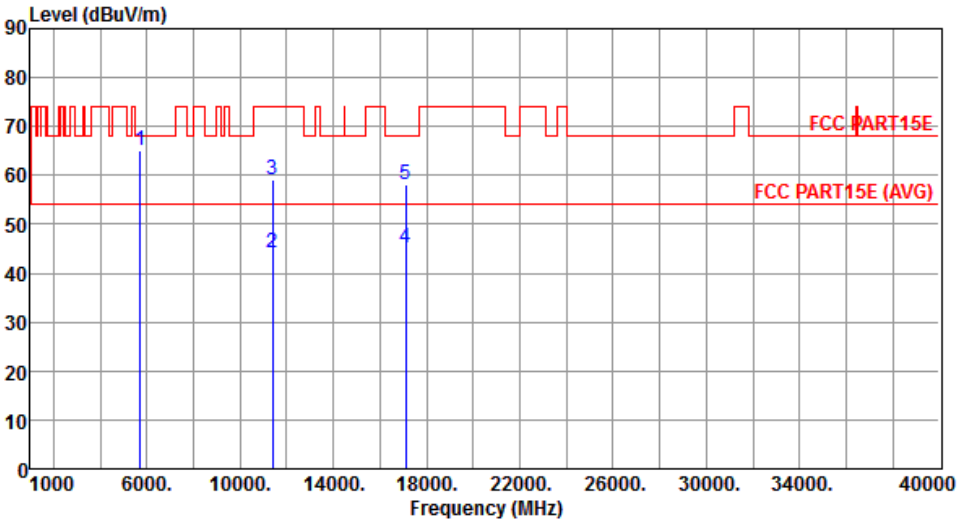
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	67.06	68.20	-1.14	61.25	5.81	Peak	100	101
2	11400.00	43.11	54.00	-10.89	28.46	14.65	Average	100	166
3	11400.00	56.30	74.00	-17.70	41.65	14.65	Peak	100	166
4	17100.00	46.09	54.00	-7.91	29.58	16.51	Average	100	151
5	17100.00	58.64	68.20	-9.56	42.13	16.51	Peak	100	151

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

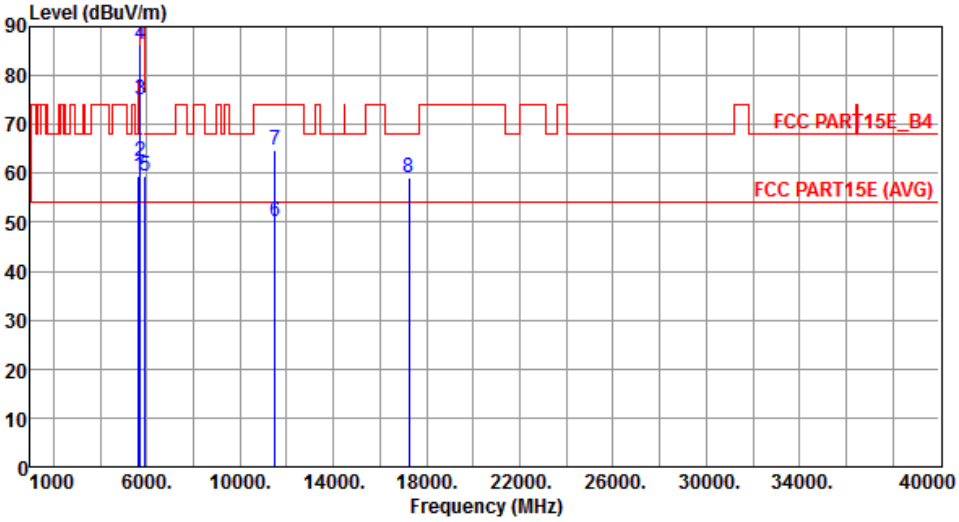
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	64.94	68.20	-3.26	59.13	5.81	Peak	100	105
2	11400.00	44.09	54.00	-9.91	29.44	14.65	Average	100	161
3	11400.00	59.17	74.00	-14.83	44.52	14.65	Peak	100	161
4	17100.00	45.04	54.00	-8.96	28.53	16.51	Average	100	140
5	17100.00	58.23	68.20	-9.97	41.72	16.51	Peak	100	140

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

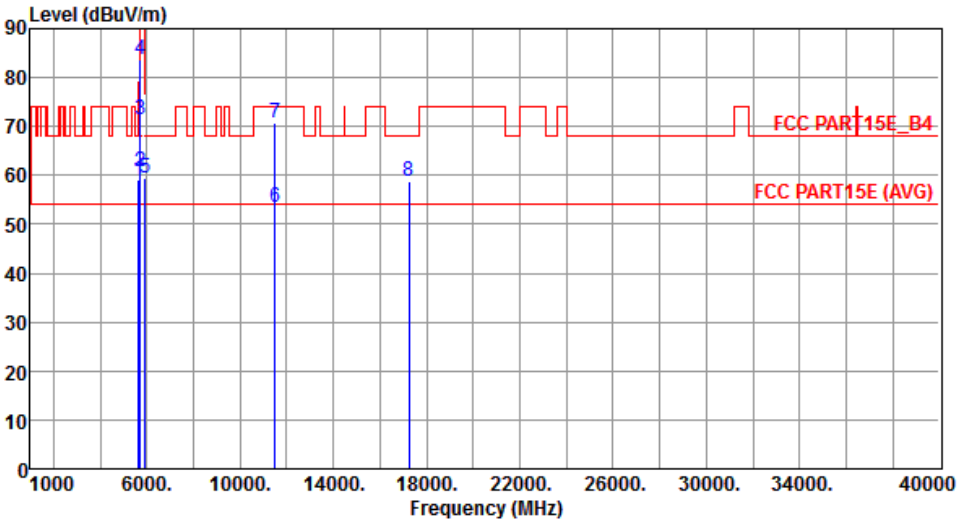
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.43	68.20	-8.77	53.74	5.69	Peak	100	134
2	5700.00	62.33	105.20	-42.87	56.56	5.77	Peak	100	134
3	5720.00	74.90	110.80	-35.90	69.11	5.79	Peak	100	134
4	5725.00	86.20	122.20	-36.00	80.39	5.81	Peak	100	134
5	5925.00	59.49	68.20	-8.71	53.40	6.09	Peak	100	134
6	11490.00	50.10	54.00	-3.90	35.37	14.73	Average	110	93
7	11490.00	64.88	74.00	-9.12	50.15	14.73	Peak	110	93
8	17235.00	59.07	68.20	-9.13	42.00	17.07	Peak	100	134

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

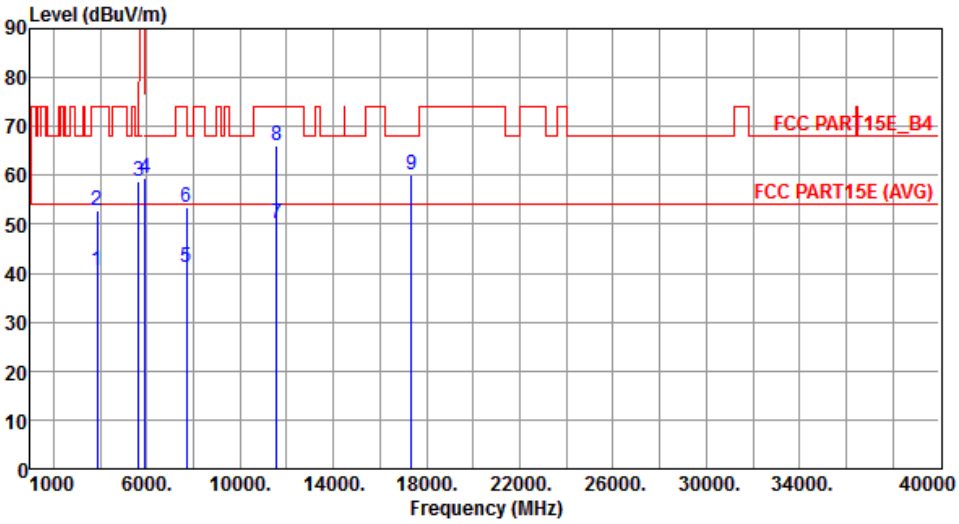
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.01	68.20	-9.19	53.32	5.69	Peak	111	186
2	5700.00	60.75	105.20	-44.45	54.98	5.77	Peak	111	186
3	5720.00	71.42	110.80	-39.38	65.63	5.79	Peak	111	186
4	5725.00	83.69	122.20	-38.51	77.88	5.81	Peak	111	186
5	5925.00	59.49	68.20	-8.71	53.40	6.09	Peak	111	186
6	11490.00	53.41	54.00	-0.59	38.68	14.73	Average	111	186
7	11490.00	70.69	74.00	-3.31	55.96	14.73	Peak	111	186
8	17235.00	58.79	68.20	-9.41	41.72	17.07	Peak	111	186

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

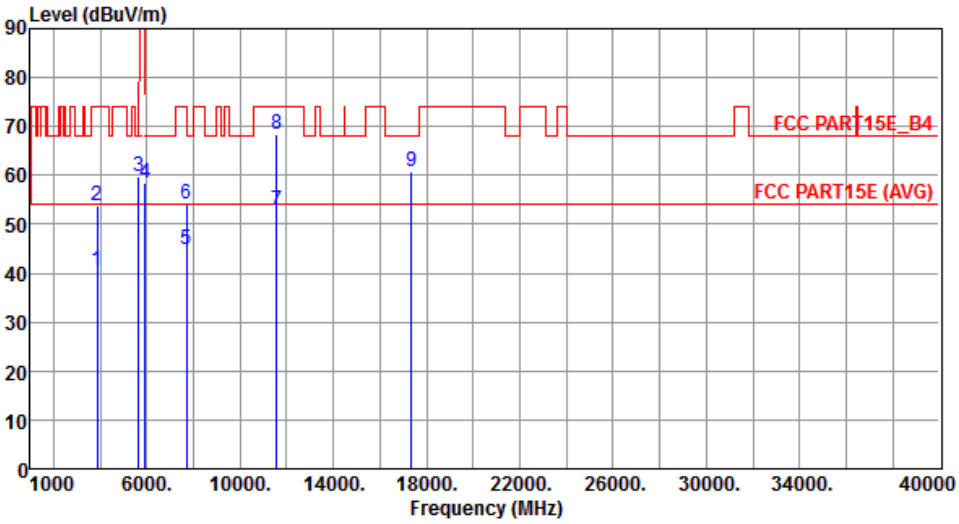
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.41	54.00	-13.59	38.36	2.05	Average	100	143
2	3856.66	52.93	74.00	-21.07	50.88	2.05	Peak	100	143
3	5650.00	58.90	68.20	-9.30	53.21	5.69	Peak	100	118
4	5925.00	59.39	68.20	-8.81	53.30	6.09	Peak	100	118
5	7713.33	41.09	54.00	-12.91	31.42	9.67	Average	148	182
6	7713.33	53.32	74.00	-20.68	43.65	9.67	Peak	148	182
7	11570.00	50.23	54.00	-3.77	35.63	14.60	Average	100	96
8	11570.00	66.12	74.00	-7.88	51.52	14.60	Peak	100	96
9	17355.00	60.26	68.20	-7.94	42.71	17.55	Peak	100	122

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

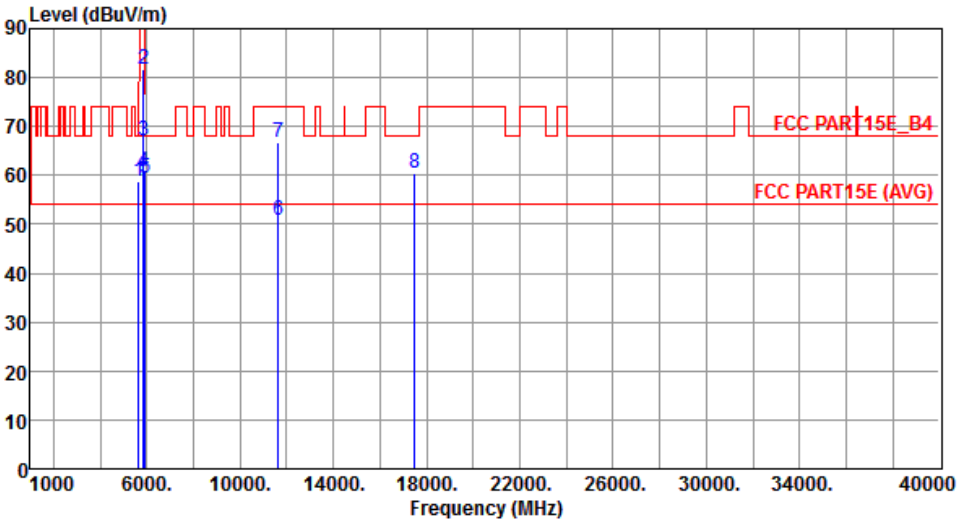
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.55	54.00	-13.45	38.50	2.05	Average	150	146
2	3856.66	53.96	74.00	-20.04	51.91	2.05	Peak	150	146
3	5650.00	59.79	68.20	-8.41	54.10	5.69	Peak	100	122
4	5925.00	58.61	68.20	-9.59	52.52	6.09	Peak	100	122
5	7713.33	44.94	54.00	-9.06	35.27	9.67	Average	150	288
6	7713.33	54.18	74.00	-19.82	44.51	9.67	Peak	150	288
7	11570.00	52.85	54.00	-1.15	38.25	14.60	Average	111	186
8	11570.00	68.30	74.00	-5.70	53.70	14.60	Peak	111	186
9	17355.00	60.81	68.20	-7.39	43.26	17.55	Peak	100	156

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

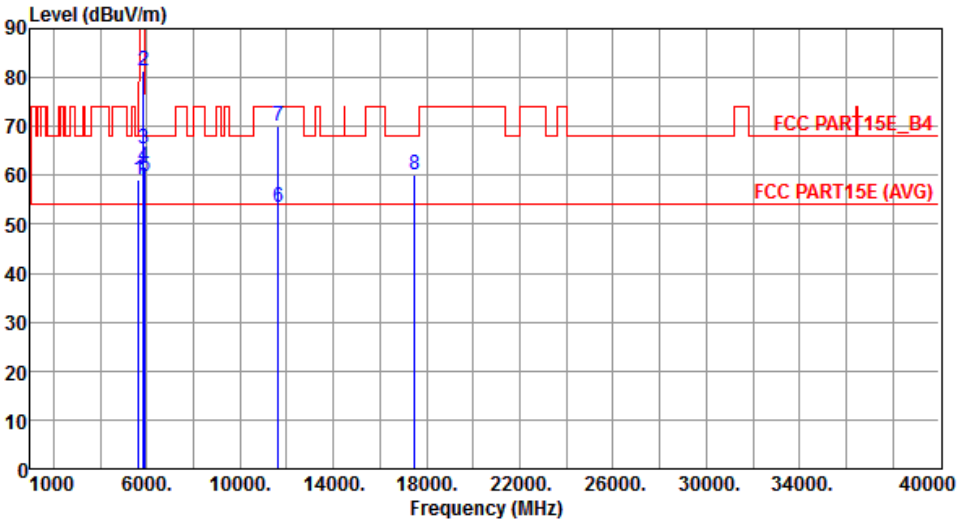
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.80	68.20	-9.40	53.11	5.69	Peak	100	120
2	5850.00	81.62	122.20	-40.58	75.63	5.99	Peak	100	120
3	5855.00	67.10	110.80	-43.70	61.10	6.00	Peak	100	120
4	5875.00	60.87	105.20	-44.33	54.85	6.02	Peak	100	120
5	5925.00	59.43	68.20	-8.77	53.34	6.09	Peak	100	120
6	11650.00	50.91	54.00	-3.09	36.47	14.44	Average	103	92
7	11650.00	66.66	74.00	-7.34	52.22	14.44	Peak	103	92
8	17475.00	60.36	68.20	-7.84	42.32	18.04	Peak	100	143

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

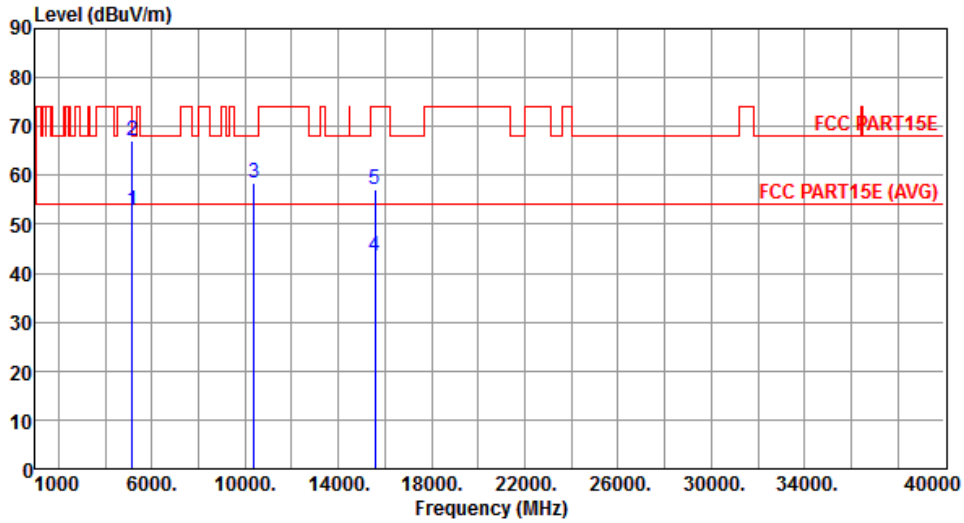


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.11	68.20	-9.09	53.42	5.69	Peak	100	119
2	5850.00	81.32	122.20	-40.88	75.33	5.99	Peak	100	119
3	5855.00	65.45	110.80	-45.35	59.45	6.00	Peak	100	119
4	5875.00	61.61	105.20	-43.59	55.59	6.02	Peak	100	119
5	5925.00	59.73	68.20	-8.47	53.64	6.09	Peak	100	119
6	11650.00	53.35	54.00	-0.65	38.91	14.44	Average	114	186
7	11650.00	70.15	74.00	-3.85	55.71	14.44	Peak	114	186
8	17475.00	60.24	68.20	-7.96	42.20	18.04	Peak	100	156

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

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

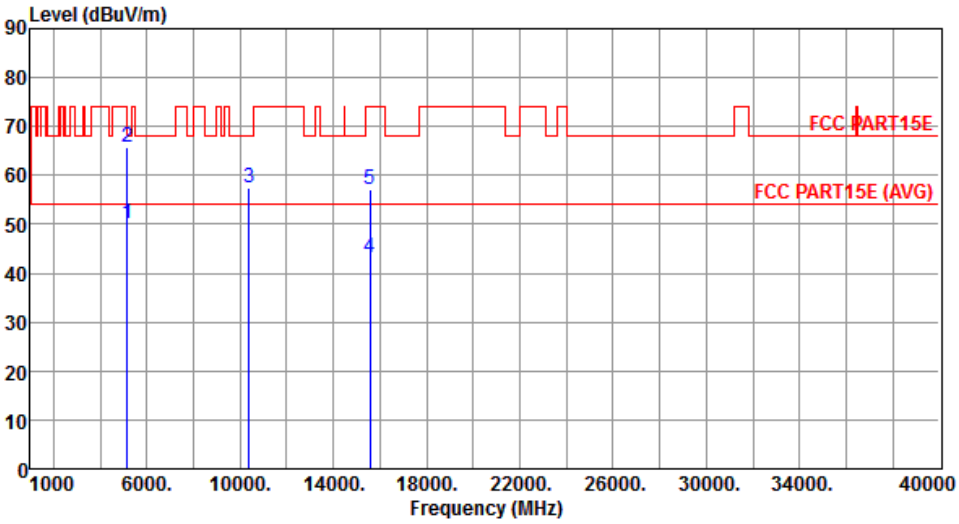
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.88	54.00	-1.12	47.86	5.02	Average	100	147
2	5150.00	67.02	74.00	-6.98	62.00	5.02	Peak	100	147
3	10380.00	58.32	68.20	-9.88	44.57	13.75	Peak	100	132
4	15570.00	43.48	54.00	-10.52	28.52	14.96	Average	100	163
5	15570.00	57.20	74.00	-16.80	42.24	14.96	Peak	100	163

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

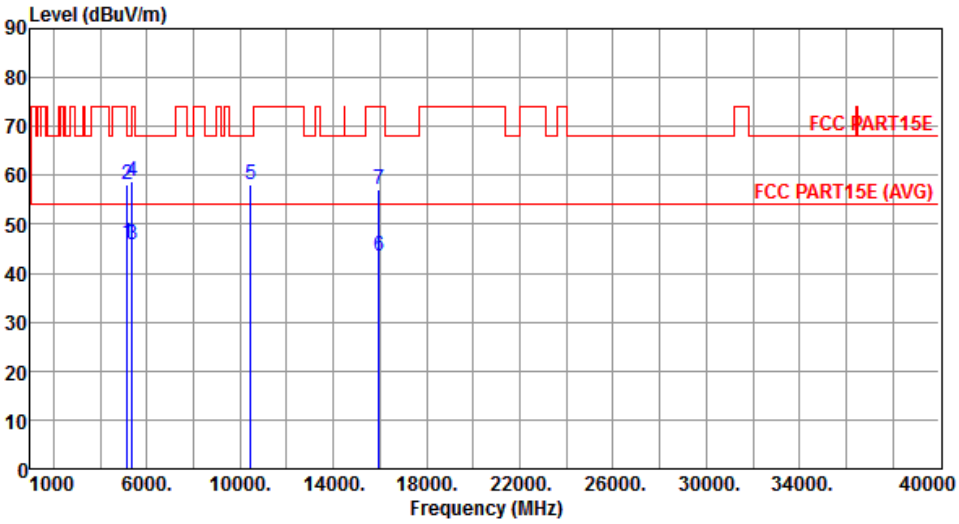
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.27	54.00	-3.73	45.25	5.02	Average	100	110
2	5150.00	65.83	74.00	-8.17	60.81	5.02	Peak	100	110
3	10380.00	57.32	68.20	-10.88	43.57	13.75	Peak	100	205
4	15570.00	43.27	54.00	-10.73	28.31	14.96	Average	100	218
5	15570.00	57.00	74.00	-17.00	42.04	14.96	Peak	100	218

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

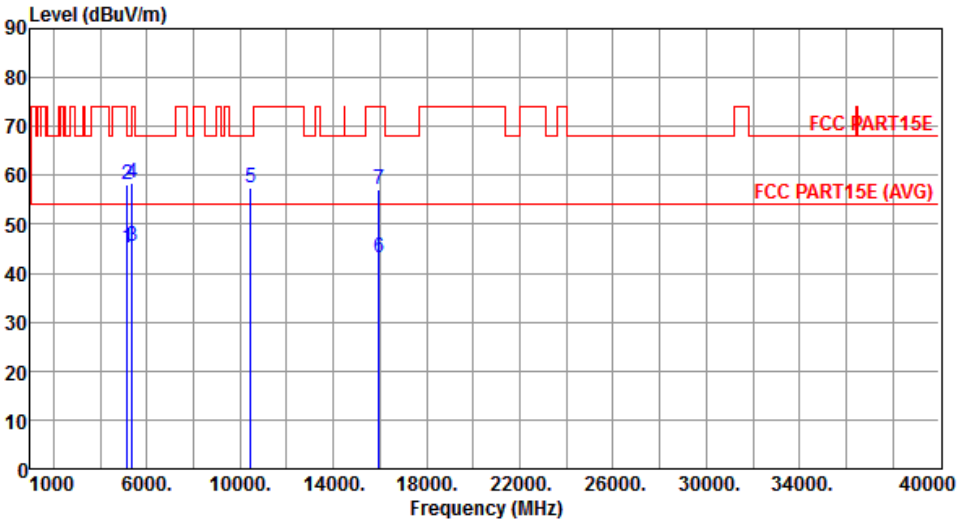
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.27	54.00	-7.73	41.25	5.02	Average	100	145
2	5150.00	58.24	74.00	-15.76	53.22	5.02	Peak	100	145
3	5350.00	45.75	54.00	-8.25	40.44	5.31	Average	100	145
4	5350.00	58.66	74.00	-15.34	53.35	5.31	Peak	100	145
5	10460.00	58.15	68.20	-10.05	44.36	13.79	Peak	100	130
6	15960.00	43.35	54.00	-10.65	28.54	14.81	Average	100	161
7	15960.00	57.25	74.00	-16.75	42.44	14.81	Peak	100	161

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

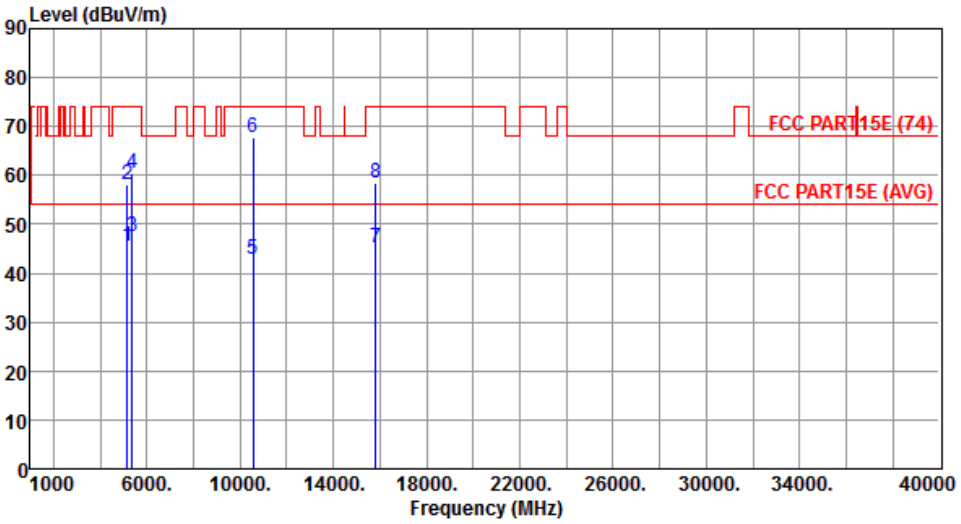
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		



	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	45.24	54.00	-8.76	40.22	5.02	Average	100	108
2	5150.00	58.17	74.00	-15.83	53.15	5.02	Peak	100	108
3	5350.00	45.62	54.00	-8.38	40.31	5.31	Average	100	108
4	5350.00	58.59	74.00	-15.41	53.28	5.31	Peak	100	108
5	10460.00	57.42	68.20	-10.78	43.63	13.79	Peak	100	202
6	15960.00	43.04	54.00	-10.96	28.23	14.81	Average	100	236
7	15960.00	57.00	74.00	-17.00	42.19	14.81	Peak	100	236

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

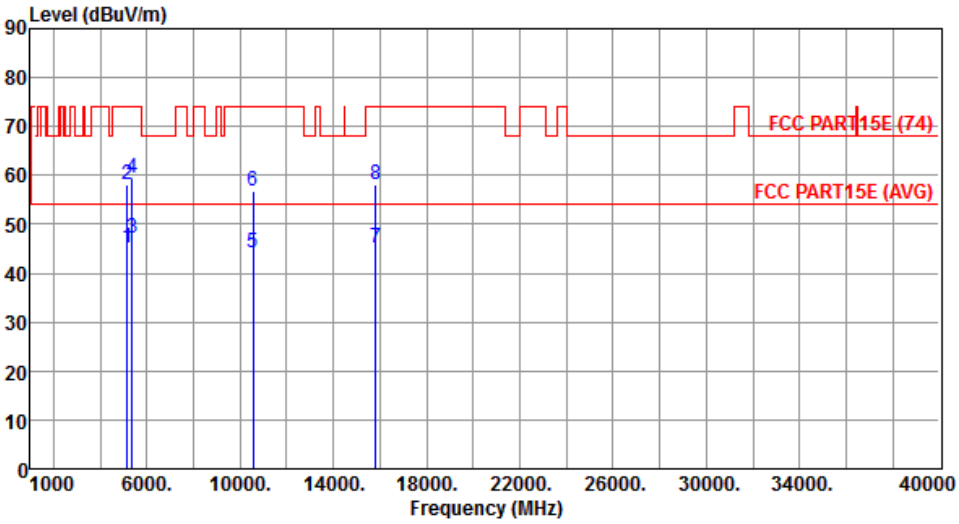
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		



	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	45.49	54.00	-8.51	40.47	5.02	Average	100	107
2	5150.00	58.14	74.00	-15.86	53.12	5.02	Peak	100	107
3	5350.00	47.33	54.00	-6.67	42.02	5.31	Average	100	107
4	5350.00	60.42	74.00	-13.58	55.11	5.31	Peak	100	107
5	10540.00	42.91	54.00	-11.09	29.05	13.86	Average	100	294
6	10540.00	67.62	74.00	-6.38	53.76	13.86	Peak	100	294
7	15810.00	45.13	54.00	-8.87	30.27	14.86	Average	100	153
8	15810.00	58.51	74.00	-15.49	43.65	14.86	Peak	100	153

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

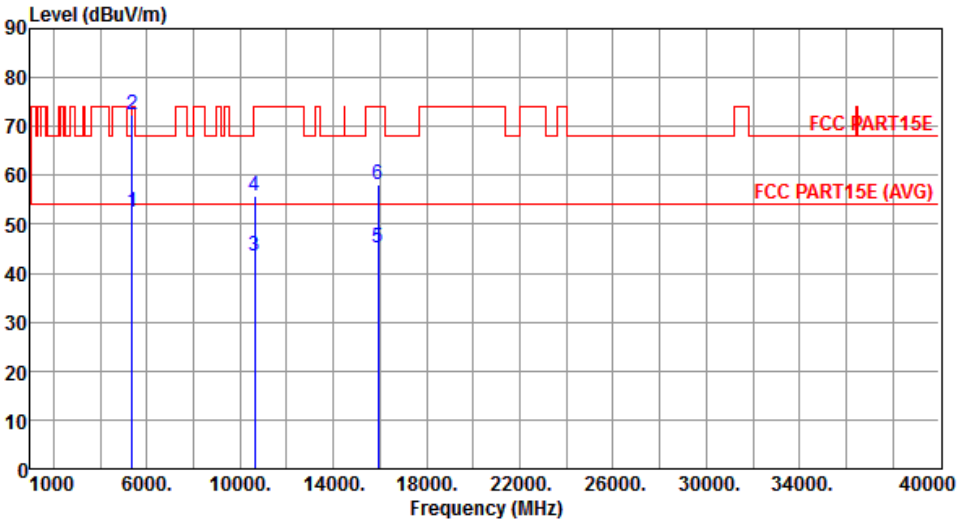
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.05	54.00	-8.95	40.03	5.02	Average	257	355
2	5150.00	58.08	74.00	-15.92	53.06	5.02	Peak	257	355
3	5350.00	47.15	54.00	-6.85	41.84	5.31	Average	257	355
4	5350.00	59.56	74.00	-14.44	54.25	5.31	Peak	257	355
5	10540.00	44.20	54.00	-9.80	30.34	13.86	Average	100	242
6	10540.00	56.71	74.00	-17.29	42.85	13.86	Peak	100	242
7	15810.00	45.12	54.00	-8.88	30.26	14.86	Average	100	173
8	15810.00	58.08	74.00	-15.92	43.22	14.86	Peak	100	173

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

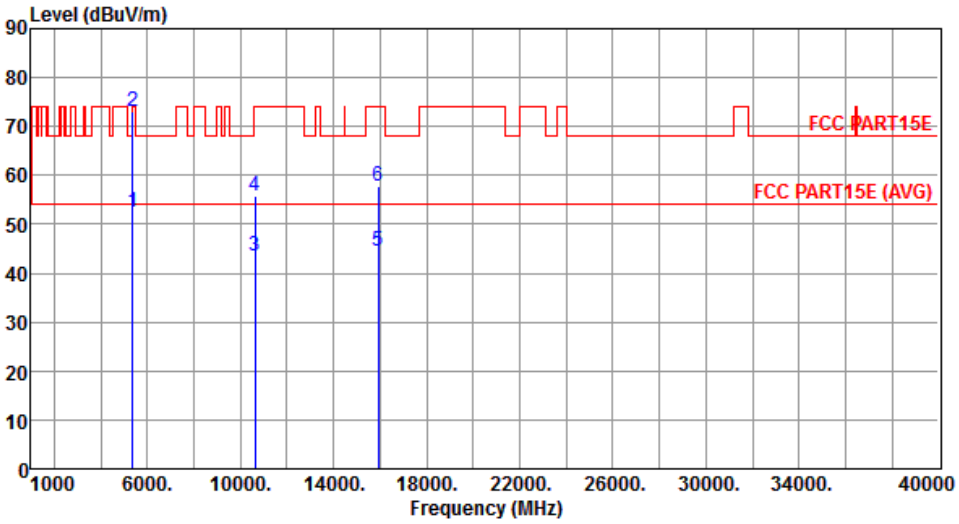
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.34	54.00	-1.66	47.03	5.31	Average	100	77
2	5350.00	72.25	74.00	-1.75	66.94	5.31	Peak	100	77
3	10620.00	43.62	54.00	-10.38	29.69	13.93	Average	100	235
4	10620.00	55.81	74.00	-18.19	41.88	13.93	Peak	100	235
5	15930.00	45.30	54.00	-8.70	30.48	14.82	Average	100	183
6	15930.00	58.01	74.00	-15.99	43.19	14.82	Peak	100	183

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

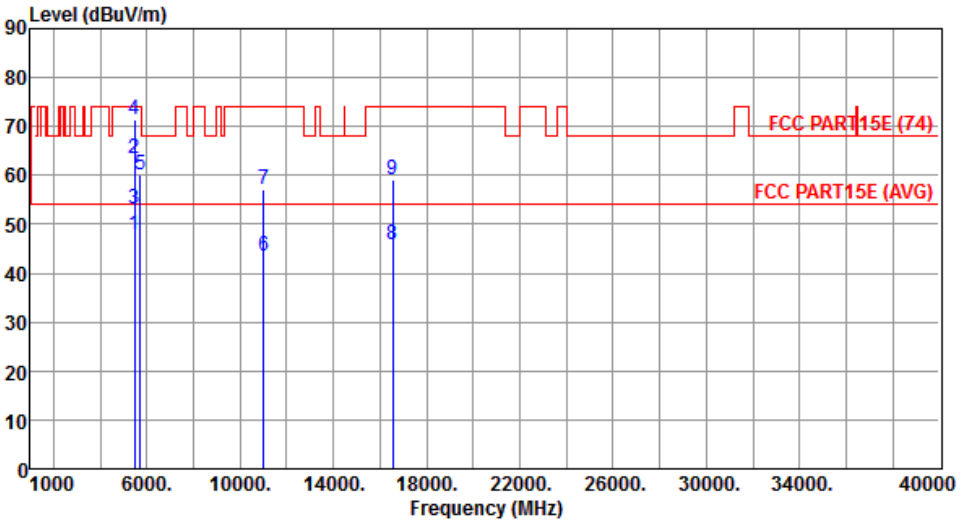
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.31	54.00	-1.69	47.00	5.31	Average	100	51
2	5350.00	73.05	74.00	-0.95	67.74	5.31	Peak	100	51
3	10620.00	43.52	54.00	-10.48	29.59	13.93	Average	100	144
4	10620.00	55.68	74.00	-18.32	41.75	13.93	Peak	100	144
5	15930.00	44.67	54.00	-9.33	29.85	14.82	Average	100	129
6	15930.00	57.91	74.00	-16.09	43.09	14.82	Peak	100	129

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

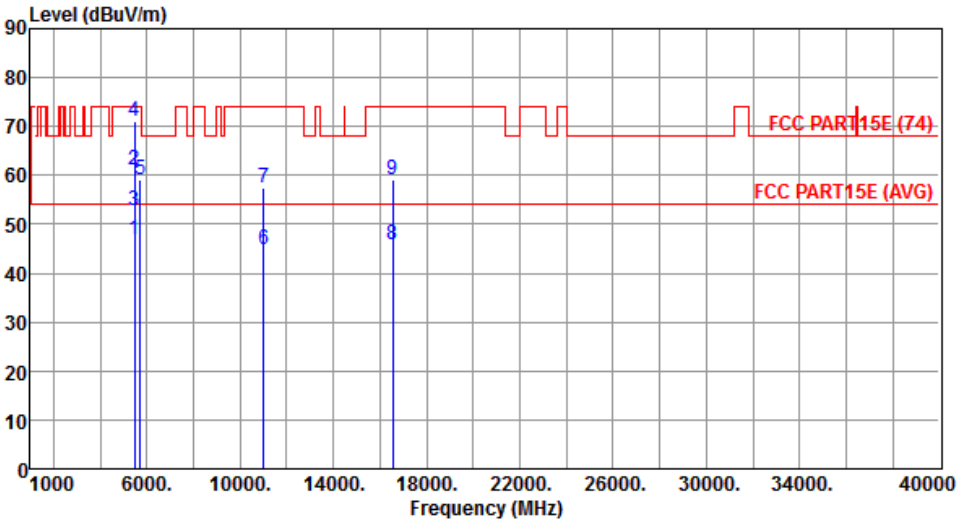
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.82	54.00	-6.18	42.36	5.46	Average	100	86
2	5460.00	63.59	74.00	-10.41	58.13	5.46	Peak	100	86
3	5470.00	53.10	54.00	-0.90	47.63	5.47	Average	100	86
4	5470.00	71.37	74.00	-2.63	65.90	5.47	Peak	100	86
5	5725.00	60.20	74.00	-13.80	54.39	5.81	Peak	100	109
6	11020.00	43.64	54.00	-10.36	29.32	14.32	Average	100	162
7	11020.00	57.27	74.00	-16.73	42.95	14.32	Peak	100	162
8	16530.00	45.98	54.00	-8.02	30.13	15.85	Average	100	193
9	16530.00	59.25	74.00	-14.75	43.40	15.85	Peak	100	193

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

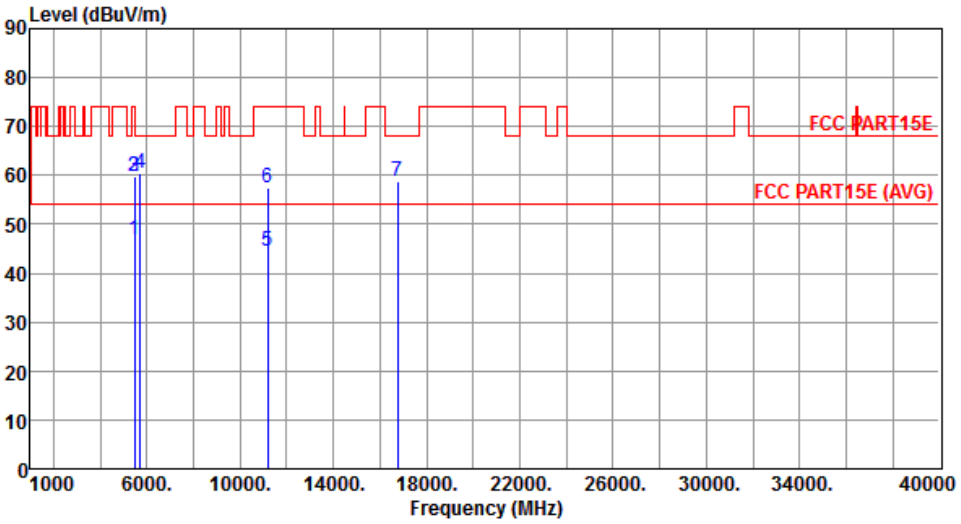
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.83	54.00	-7.17	41.37	5.46	Average	100	118
2	5460.00	60.99	74.00	-13.01	55.53	5.46	Peak	100	118
3	5470.00	52.91	54.00	-1.09	47.44	5.47	Average	100	118
4	5470.00	71.12	74.00	-2.88	65.65	5.47	Peak	100	118
5	5725.00	59.11	74.00	-14.89	53.30	5.81	Peak	100	97
6	11020.00	44.75	54.00	-9.25	30.43	14.32	Average	100	151
7	11020.00	57.59	74.00	-16.41	43.27	14.32	Peak	100	151
8	16530.00	45.68	54.00	-8.32	29.83	15.85	Average	100	175
9	16530.00	59.13	74.00	-14.87	43.28	15.85	Peak	100	175

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

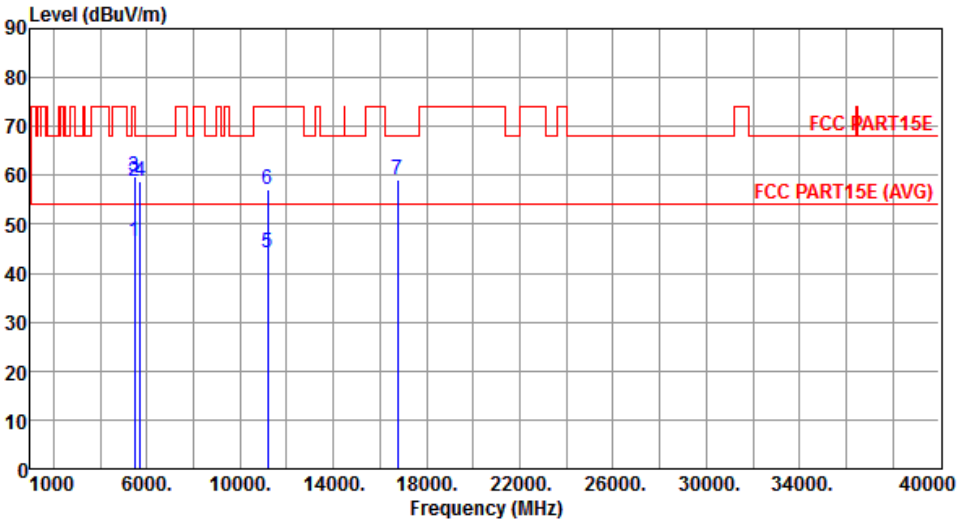
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.88	54.00	-7.12	41.42	5.46	Average	100	113
2	5460.00	59.65	74.00	-14.35	54.19	5.46	Peak	100	113
3	5470.00	59.68	68.20	-8.52	54.21	5.47	Peak	100	113
4	5725.00	60.54	68.20	-7.66	54.73	5.81	Peak	100	113
5	11180.00	44.37	54.00	-9.63	29.91	14.46	Average	100	142
6	11180.00	57.58	74.00	-16.42	43.12	14.46	Peak	100	142
7	16770.00	58.90	68.20	-9.30	42.92	15.98	Peak	100	195

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

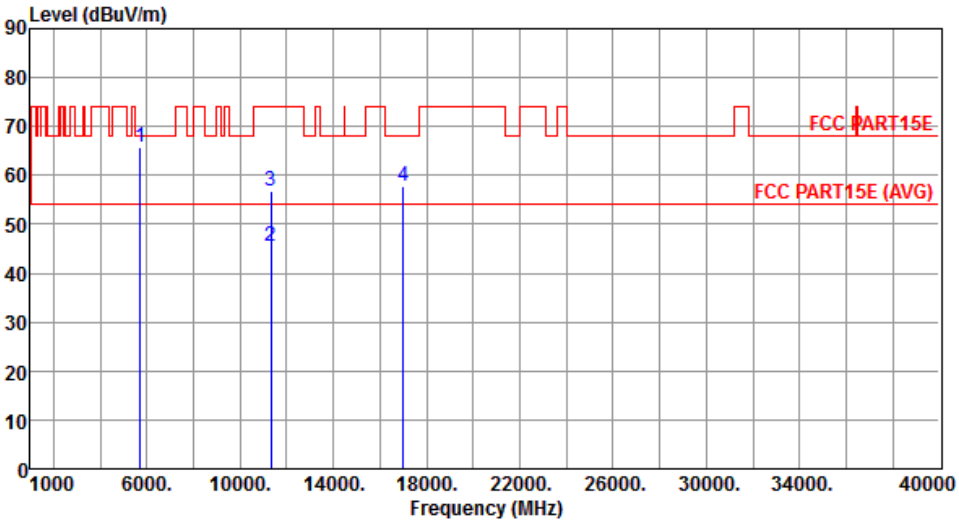
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.37	54.00	-7.63	40.91	5.46	Average	100	93
2	5460.00	58.87	74.00	-15.13	53.41	5.46	Peak	100	93
3	5470.00	59.74	68.20	-8.46	54.27	5.47	Peak	100	93
4	5725.00	58.88	68.20	-9.32	53.07	5.81	Peak	100	93
5	11180.00	44.22	54.00	-9.78	29.76	14.46	Average	100	182
6	11180.00	57.11	74.00	-16.89	42.65	14.46	Peak	100	182
7	16770.00	59.11	68.20	-9.09	43.13	15.98	Peak	100	136

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

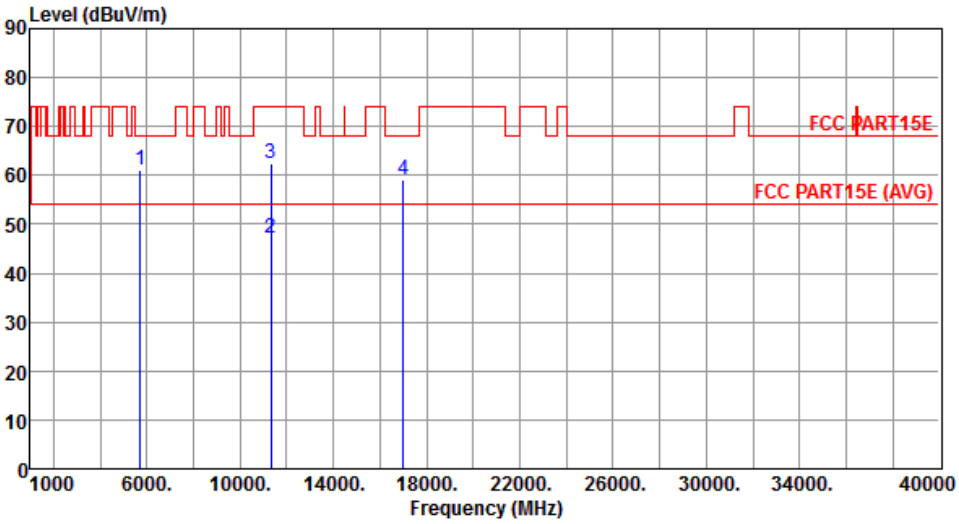
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.60	68.20	-2.60	59.79	5.81	Peak	100	63
2	11340.00	45.64	54.00	-8.36	31.04	14.60	Average	100	275
3	11340.00	56.76	74.00	-17.24	42.16	14.60	Peak	100	275
4	17010.00	57.63	68.20	-10.57	41.48	16.15	Peak	100	194

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

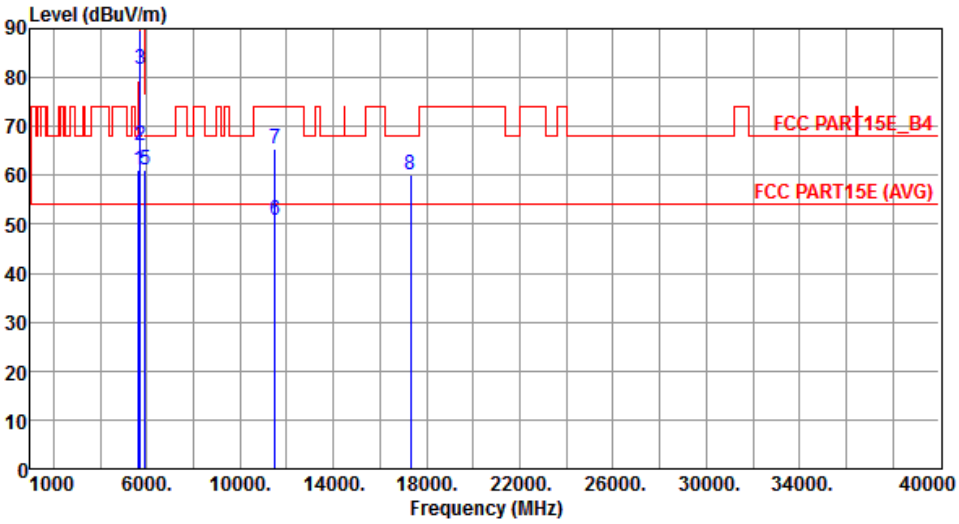
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.20	68.20	-7.00	55.39	5.81	Peak	100	124
2	11340.00	47.14	54.00	-6.86	32.54	14.60	Average	100	202
3	11340.00	62.60	74.00	-11.40	48.00	14.60	Peak	100	202
4	17010.00	59.04	68.20	-9.16	42.89	16.15	Peak	100	149

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

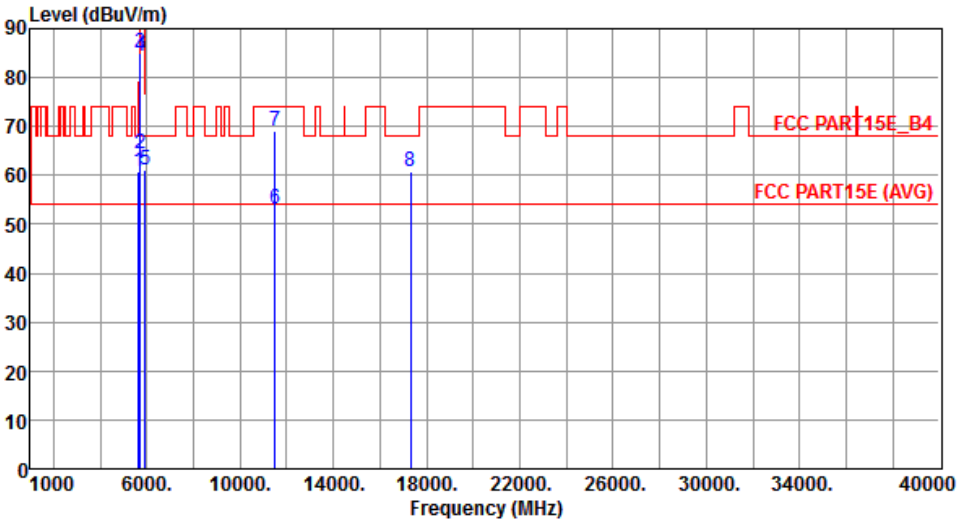
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.97	68.20	-7.23	55.28	5.69	Peak	100	122
2	5700.00	66.23	105.20	-38.97	60.46	5.77	Peak	100	122
3	5720.00	81.83	110.80	-28.97	76.04	5.79	Peak	100	122
4	5725.00	89.61	122.20	-32.59	83.80	5.81	Peak	100	122
5	5925.00	60.96	68.20	-7.24	54.87	6.09	Peak	100	138
6	11510.00	50.97	54.00	-3.03	36.25	14.72	Average	111	98
7	11510.00	65.49	74.00	-8.51	50.77	14.72	Peak	111	98
8	17325.00	60.08	68.20	-8.12	42.65	17.43	Peak	100	138

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

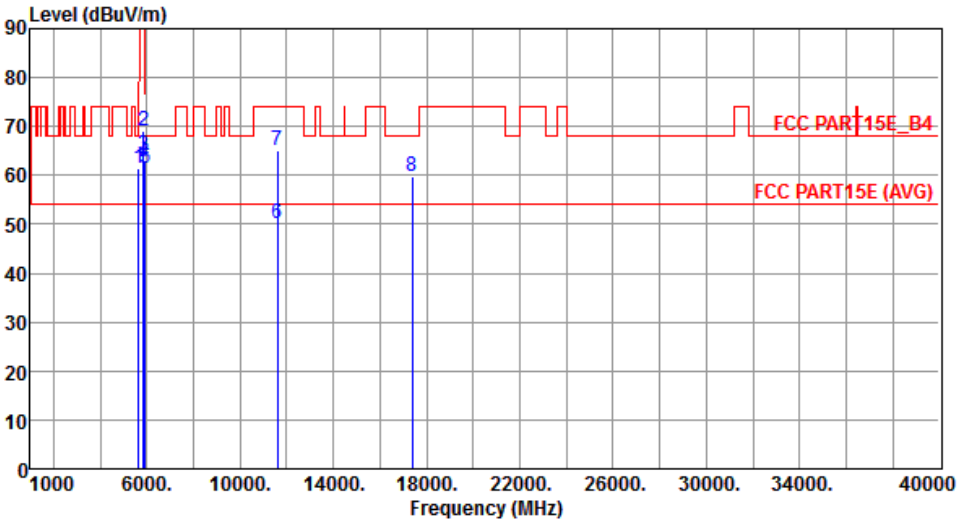
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.66	68.20	-7.54	54.97	5.69	Peak	100	127
2	5700.00	64.30	105.20	-40.90	58.53	5.77	Peak	100	127
3	5720.00	84.92	110.80	-25.88	79.13	5.79	Peak	100	127
4	5725.00	84.29	122.20	-37.91	78.48	5.81	Peak	100	127
5	5925.00	61.06	68.20	-7.14	54.97	6.09	Peak	100	127
6	11510.00	53.17	54.00	-0.83	38.45	14.72	Average	123	195
7	11510.00	69.04	74.00	-4.96	54.32	14.72	Peak	123	195
8	17325.00	60.81	68.20	-7.39	43.38	17.43	Peak	100	165

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

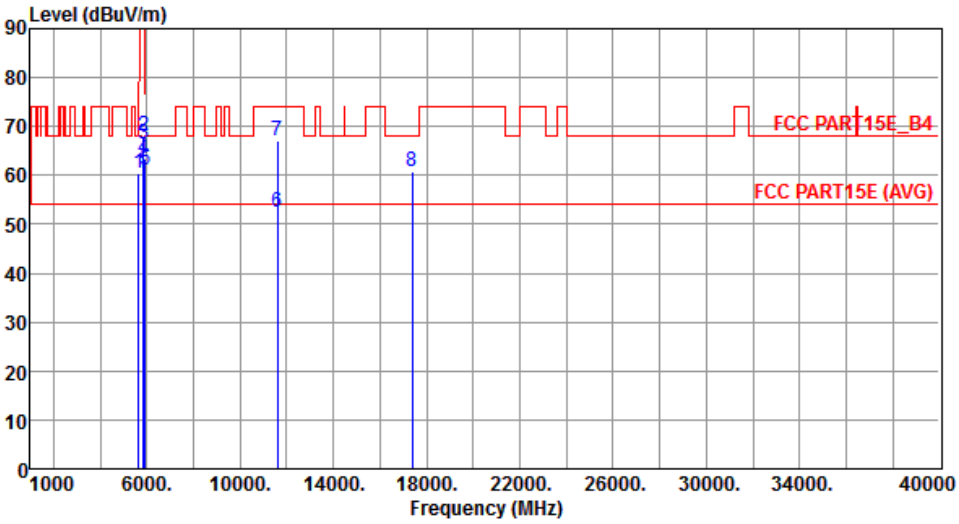
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.32	68.20	-6.88	55.63	5.69	Peak	100	115
2	5850.00	68.93	122.20	-53.27	62.94	5.99	Peak	100	115
3	5855.00	64.17	110.80	-46.63	58.17	6.00	Peak	100	115
4	5875.00	62.62	105.20	-42.58	56.60	6.02	Peak	100	115
5	5925.00	61.32	68.20	-6.88	55.23	6.09	Peak	100	115
6	11590.00	50.28	54.00	-3.72	35.72	14.56	Average	111	97
7	11590.00	65.19	74.00	-8.81	50.63	14.56	Peak	111	97
8	17385.00	59.83	68.20	-8.37	42.16	17.67	Peak	100	144

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

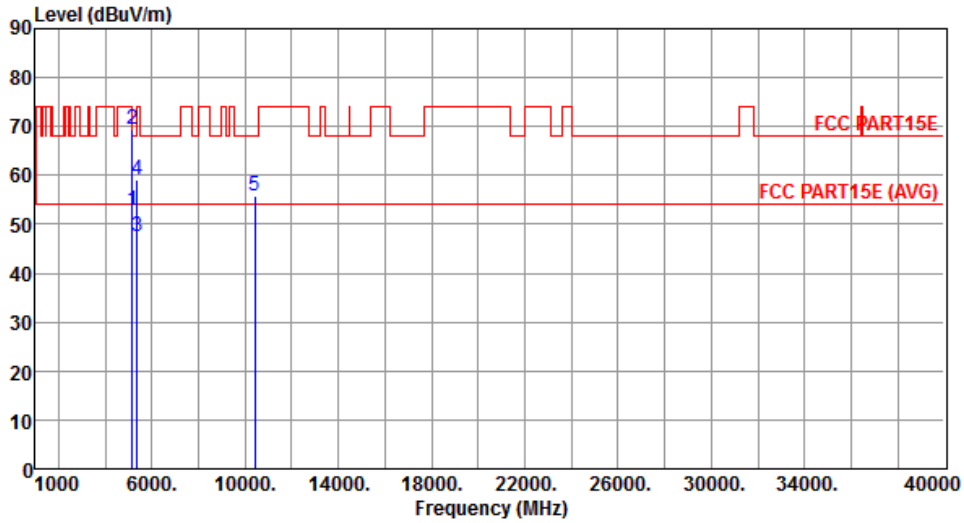


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.45	68.20	-7.75	54.76	5.69	Peak	100	128
2	5850.00	68.19	122.20	-54.01	62.20	5.99	Peak	100	128
3	5855.00	66.51	110.80	-44.29	60.51	6.00	Peak	100	128
4	5875.00	63.47	105.20	-41.73	57.45	6.02	Peak	100	128
5	5925.00	61.23	68.20	-6.97	55.14	6.09	Peak	100	128
6	11590.00	52.61	54.00	-1.39	38.05	14.56	Average	120	201
7	11590.00	67.09	74.00	-6.91	52.53	14.56	Peak	120	201
8	17385.00	60.75	68.20	-7.45	43.08	17.67	Peak	100	168

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

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

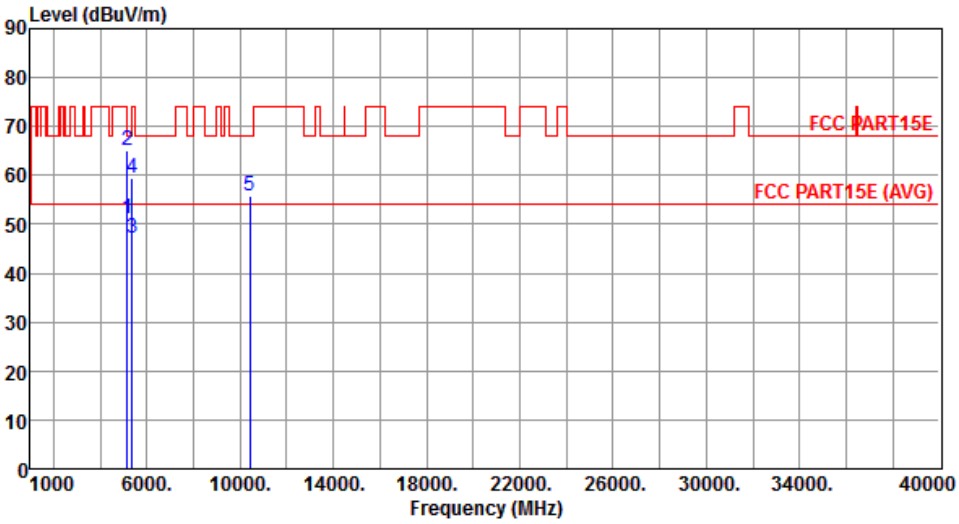
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.79	54.00	-1.21	47.77	5.02	Average	100	107
2	5150.00	69.25	74.00	-4.75	64.23	5.02	Peak	100	107
3	5350.00	47.53	54.00	-6.47	42.22	5.31	Average	100	107
4	5350.00	58.96	74.00	-15.04	53.65	5.31	Peak	100	107
5	10420.00	55.90	68.20	-12.30	42.12	13.78	Peak	100	165

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

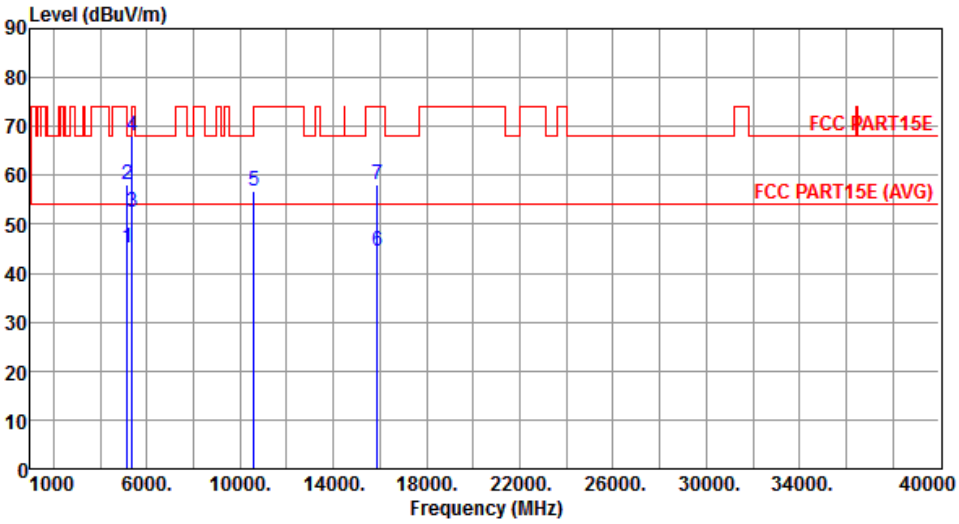
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.10	54.00	-2.90	46.08	5.02	Average	100	103
2	5150.00	64.98	74.00	-9.02	59.96	5.02	Peak	100	103
3	5350.00	47.02	54.00	-6.98	41.71	5.31	Average	100	103
4	5350.00	59.45	74.00	-14.55	54.14	5.31	Peak	100	103
5	10420.00	55.83	68.20	-12.37	42.05	13.78	Peak	100	111

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

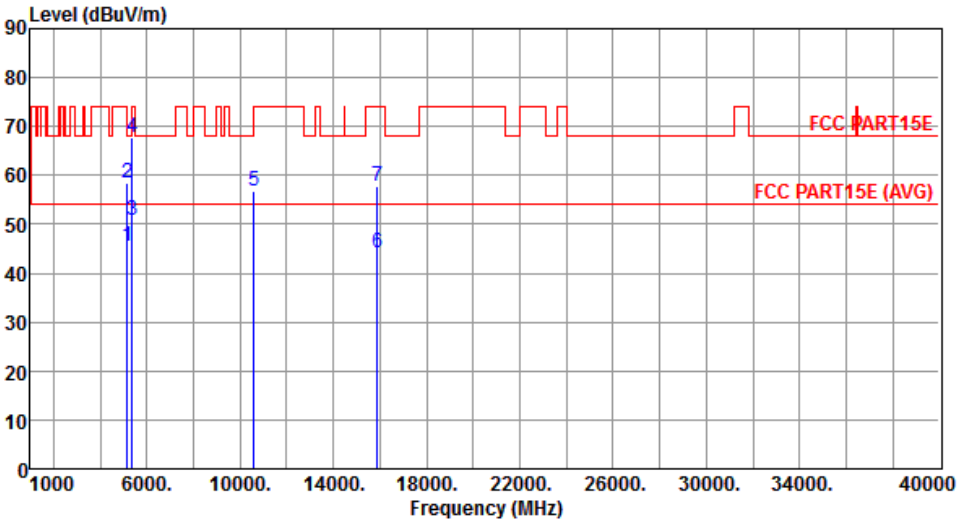
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	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	45.21	54.00	-8.79	40.19	5.02	Average	100	103
2	5150.00	57.98	74.00	-16.02	52.96	5.02	Peak	100	103
3	5350.00	52.53	54.00	-1.47	47.22	5.31	Average	100	54
4	5350.00	68.13	74.00	-5.87	62.82	5.31	Peak	100	54
5	10580.00	56.68	68.20	-11.52	42.78	13.90	Peak	100	176
6	15870.00	44.61	54.00	-9.39	29.76	14.85	Average	100	121
7	15870.00	58.03	74.00	-15.97	43.18	14.85	Peak	100	121

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

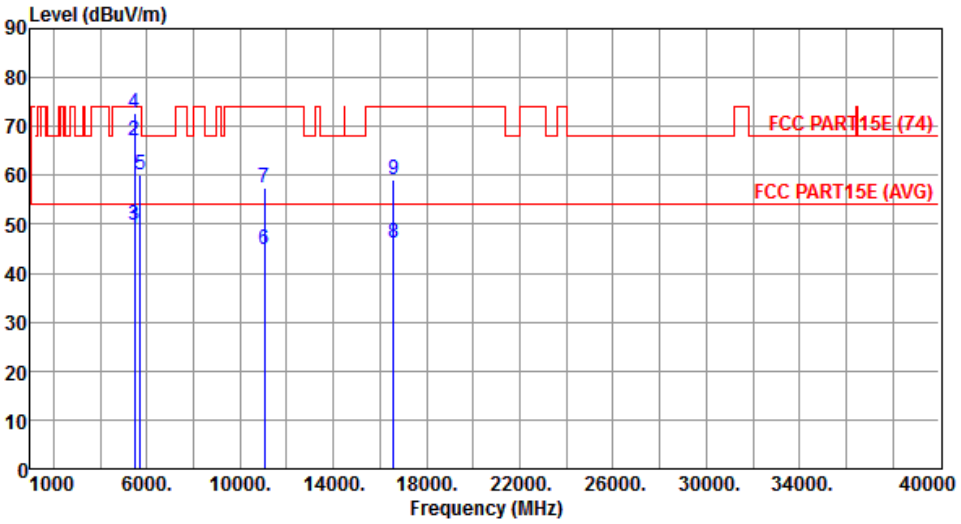
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	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	45.49	54.00	-8.51	40.47	5.02	Average	195	351
2	5150.00	58.31	74.00	-15.69	53.29	5.02	Peak	195	351
3	5350.00	50.90	54.00	-3.10	45.59	5.31	Average	195	351
4	5350.00	67.66	74.00	-6.34	62.35	5.31	Peak	195	351
5	10580.00	56.81	68.20	-11.39	42.91	13.90	Peak	100	162
6	15870.00	44.33	54.00	-9.67	29.48	14.85	Average	100	189
7	15870.00	57.71	74.00	-16.29	42.86	14.85	Peak	100	189

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

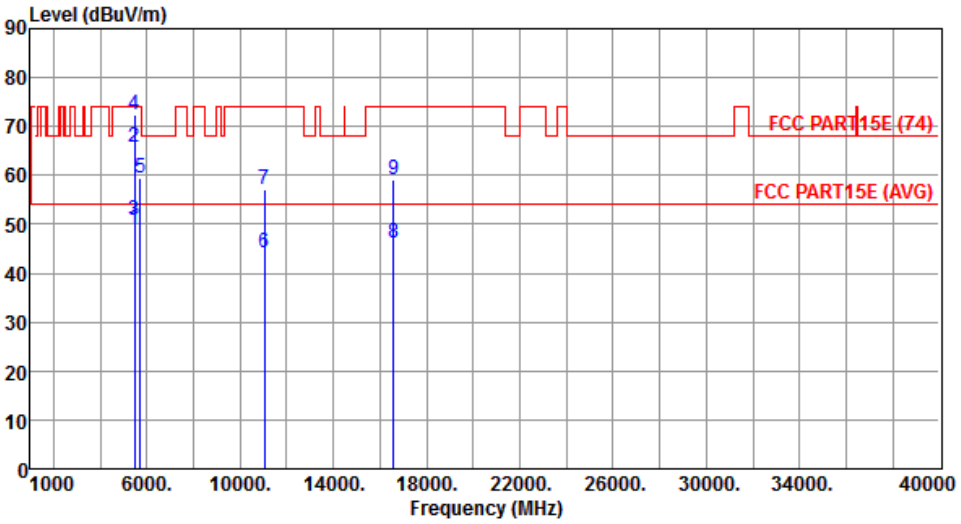
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.11	54.00	-4.89	43.65	5.46	Average	100	76
2	5460.00	66.93	74.00	-7.07	61.47	5.46	Peak	100	76
3	5470.00	49.97	54.00	-4.03	44.50	5.47	Average	100	76
4	5470.00	72.89	74.00	-1.11	67.42	5.47	Peak	100	76
5	5725.00	59.96	74.00	-14.04	54.15	5.81	Peak	100	111
6	11060.00	44.69	54.00	-9.31	30.34	14.35	Average	100	129
7	11060.00	57.31	74.00	-16.69	42.96	14.35	Peak	100	129
8	16590.00	46.26	54.00	-7.74	30.38	15.88	Average	100	271
9	16590.00	59.17	74.00	-14.83	43.29	15.88	Peak	100	271

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

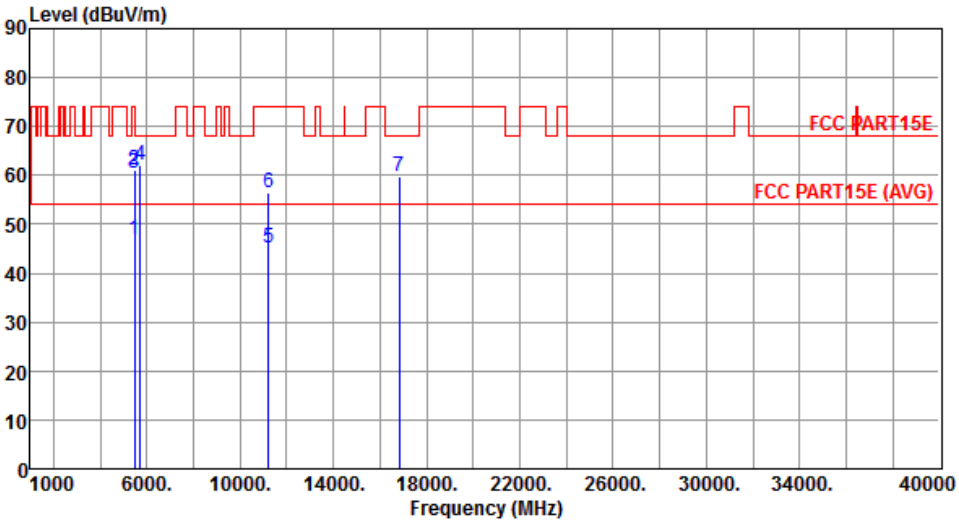
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.30	54.00	-4.70	43.84	5.46	Average	100	119
2	5460.00	65.80	74.00	-8.20	60.34	5.46	Peak	100	119
3	5470.00	50.93	54.00	-3.07	45.46	5.47	Average	100	119
4	5470.00	72.29	74.00	-1.71	66.82	5.47	Peak	100	119
5	5725.00	59.31	74.00	-14.69	53.50	5.81	Peak	100	99
6	11060.00	44.28	54.00	-9.72	29.93	14.35	Average	100	218
7	11060.00	57.10	74.00	-16.90	42.75	14.35	Peak	100	218
8	16590.00	46.16	54.00	-7.84	30.28	15.88	Average	100	143
9	16590.00	59.17	74.00	-14.83	43.29	15.88	Peak	100	143

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

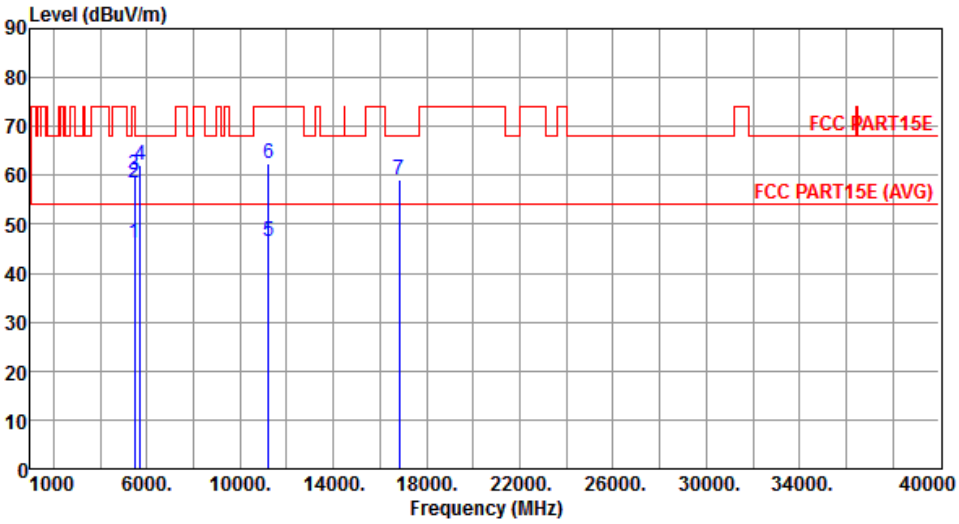
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.90	54.00	-7.10	41.44	5.46	Average	100	110
2	5460.00	61.12	74.00	-12.88	55.66	5.46	Peak	100	110
3	5470.00	60.44	68.20	-7.76	54.97	5.47	Peak	100	110
4	5725.00	61.95	68.20	-6.25	56.14	5.81	Peak	100	110
5	11220.00	45.05	54.00	-8.95	30.56	14.49	Average	100	163
6	11220.00	56.60	74.00	-17.40	42.11	14.49	Peak	100	163
7	16830.00	59.91	68.20	-8.29	43.89	16.02	Peak	100	125

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

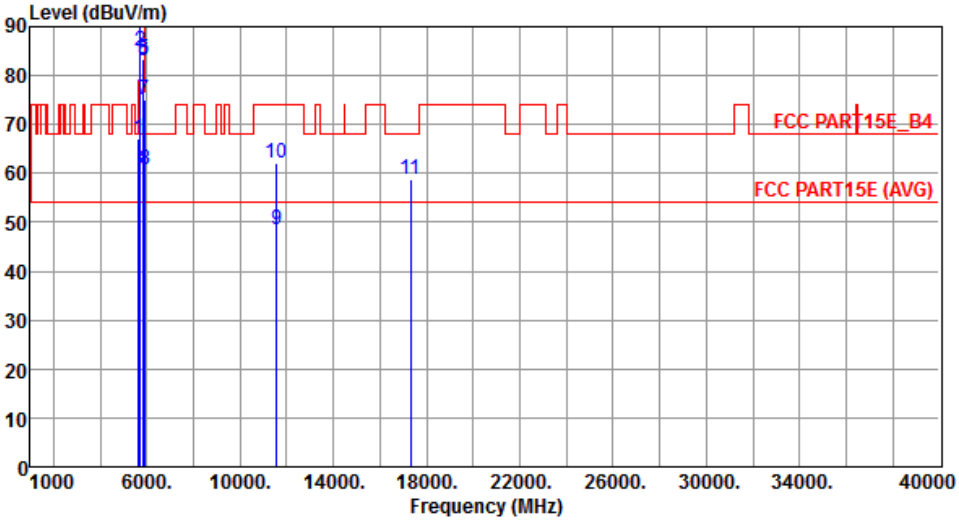
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.17	54.00	-7.83	40.71	5.46	Average	100	103
2	5460.00	58.47	74.00	-15.53	53.01	5.46	Peak	100	103
3	5470.00	60.12	68.20	-8.08	54.65	5.47	Peak	100	103
4	5725.00	62.20	68.20	-6.00	56.39	5.81	Peak	100	103
5	11220.00	46.46	54.00	-7.54	31.97	14.49	Average	125	202
6	11220.00	62.53	74.00	-11.47	48.04	14.49	Peak	125	202
7	16830.00	59.21	68.20	-8.99	43.19	16.02	Peak	100	253

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

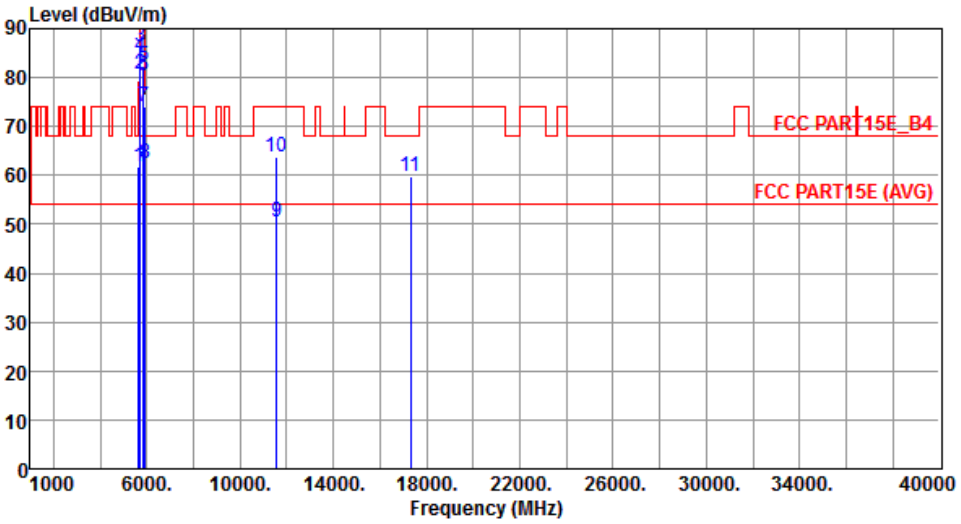
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	66.98	68.20	-1.22	61.29	5.69	Peak	100	122
2	5700.00	85.18	105.20	-20.02	79.41	5.77	Peak	100	122
3	5720.00	89.87	110.80	-20.93	84.08	5.79	Peak	100	122
4	5725.00	90.36	122.20	-31.84	84.55	5.81	Peak	100	122
5	5850.00	83.44	122.20	-38.76	77.45	5.99	Peak	100	122
6	5855.00	82.92	110.80	-27.88	76.92	6.00	Peak	100	122
7	5875.00	75.02	105.20	-30.18	69.00	6.02	Peak	100	122
8	5925.00	60.88	68.20	-7.32	54.79	6.09	Peak	100	122
9	11550.00	48.36	54.00	-5.64	33.72	14.64	Average	100	98
10	11550.00	61.96	74.00	-12.04	47.32	14.64	Peak	100	98
11	17325.00	58.83	68.20	-9.37	41.40	17.43	Peak	100	136

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		



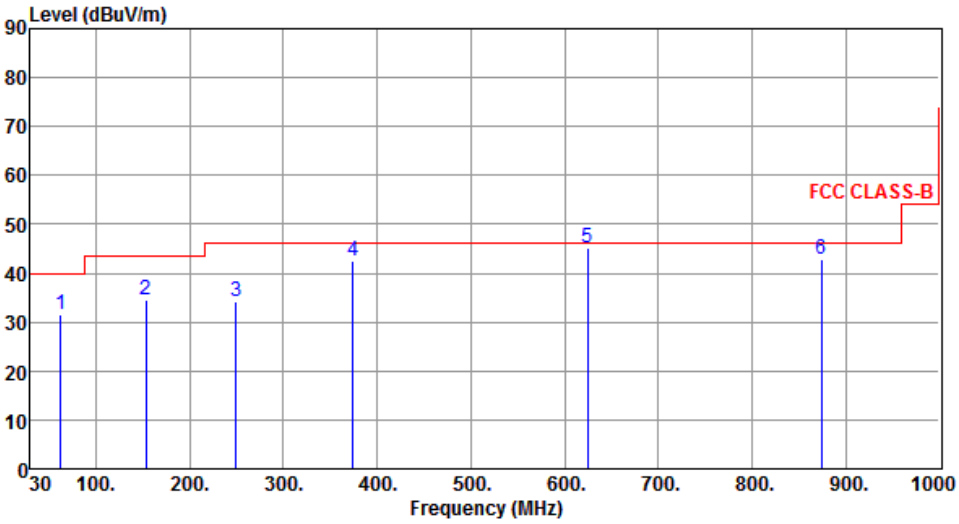
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.91	68.20	-6.29	56.22	5.69	Peak	100	196
2	5700.00	80.63	105.20	-24.57	74.86	5.77	Peak	100	196
3	5720.00	86.50	110.80	-24.30	80.71	5.79	Peak	100	196
4	5725.00	84.49	122.20	-37.71	78.68	5.81	Peak	100	163
5	5850.00	82.49	122.20	-39.71	76.50	5.99	Peak	100	196
6	5855.00	80.46	110.80	-30.34	74.46	6.00	Peak	100	196
7	5875.00	73.95	105.20	-31.25	67.93	6.02	Peak	100	196
8	5925.00	62.59	68.20	-5.61	56.50	6.09	Peak	100	196
9	11550.00	50.39	54.00	-3.61	35.75	14.64	Average	100	196
10	11550.00	63.84	74.00	-10.16	49.20	14.64	Peak	100	196
11	17325.00	59.63	68.20	-8.57	42.20	17.43	Peak	100	163

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

Beamforming mode

3.5.9 Transmitter Radiated Unwanted Emissions (Below 1GHz)

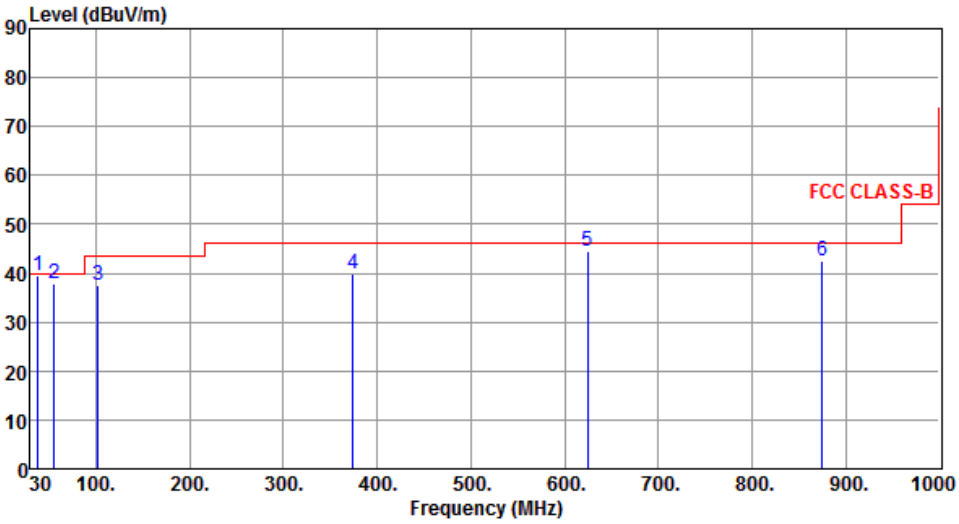
Modulation	VHT40	**Test Freq. (MHz)**	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	62.63	31.41	40.00	-8.59	40.78	-9.37	Peak	---	---
2	152.96	34.46	43.50	-9.04	42.93	-8.47	Peak	---	---
3	249.48	34.11	46.00	-11.89	43.53	-9.42	Peak	---	---
4	374.23	42.53	46.00	-3.47	48.51	-5.98	Peak	---	---
5	625.00	45.33	46.00	-0.67	45.95	-0.62	QP	147	48
6	874.39	42.82	46.00	-3.18	39.29	3.53	Peak	---	---

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

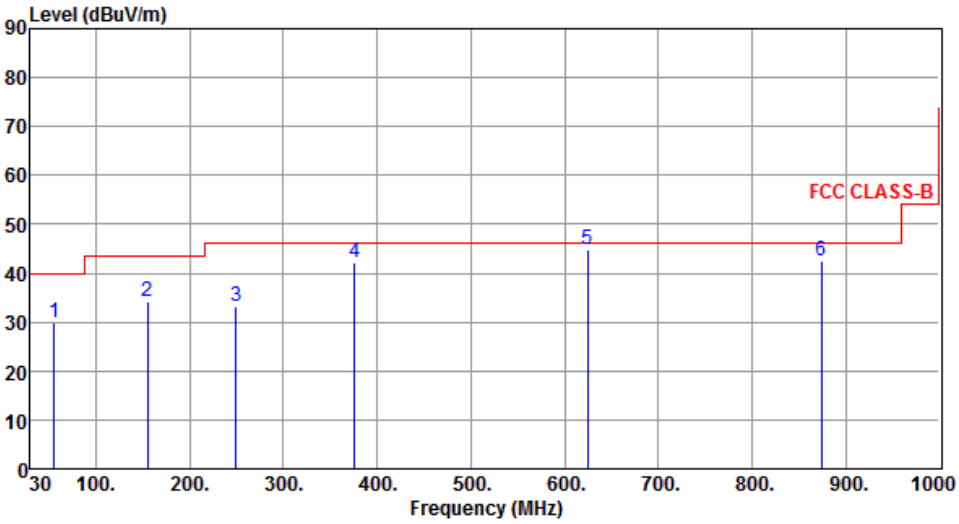
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.52	39.56	40.00	-0.44	48.43	-8.87	QP	100	82
2	55.66	38.01	40.00	-1.99	46.59	-8.58	QP	100	29
3	102.18	37.63	43.50	-5.87	50.79	-13.16	Peak	---	---
4	374.38	39.76	46.00	-6.24	45.74	-5.98	Peak	---	---
5	625.00	44.54	46.00	-1.46	45.16	-0.62	QP	100	227
6	874.66	42.62	46.00	-3.38	39.08	3.54	Peak	---	---

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

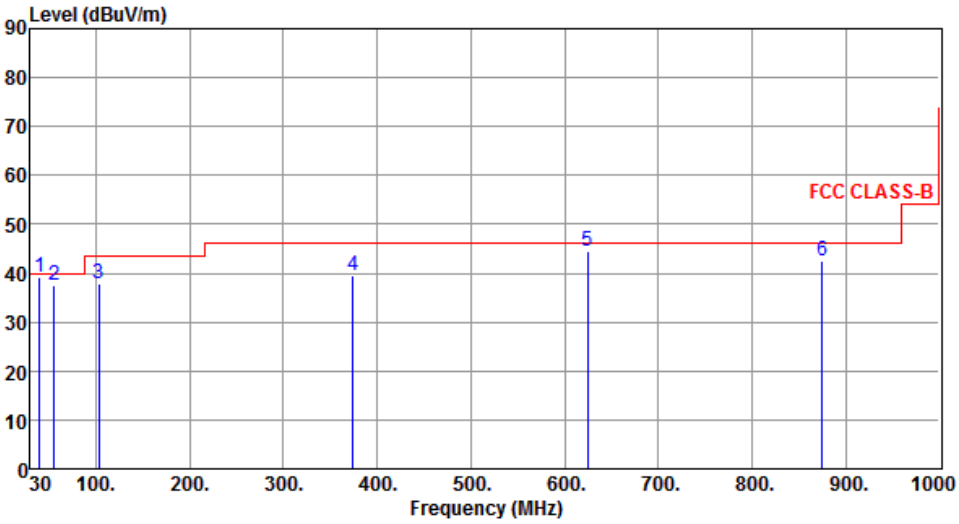
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	55.47	29.82	40.00	-10.18	38.40	-8.58	Peak	---	---
2	154.65	34.28	43.50	-9.22	42.72	-8.44	Peak	---	---
3	249.52	33.36	46.00	-12.64	42.78	-9.42	Peak	---	---
4	375.67	42.28	46.00	-3.72	48.21	-5.93	Peak	---	---
5	625.00	44.81	46.00	-1.19	45.43	-0.62	QP	155	47
6	874.33	42.38	46.00	-3.62	38.85	3.53	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

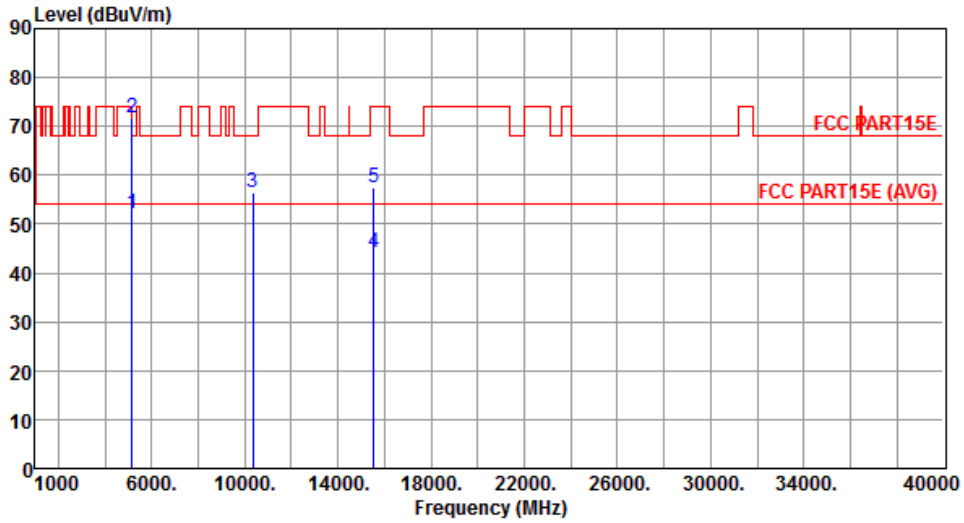


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	39.53	39.33	40.00	-0.67	48.09	-8.76	QP	100	63
2	55.88	37.54	40.00	-2.46	46.14	-8.60	QP	100	38
3	102.77	37.78	43.50	-5.72	50.85	-13.07	Peak	---	---
4	374.34	39.55	46.00	-6.45	45.53	-5.98	Peak	---	---
5	625.00	44.35	46.00	-1.65	44.97	-0.62	QP	100	328
6	874.62	42.61	46.00	-3.39	39.07	3.54	Peak	---	---

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

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

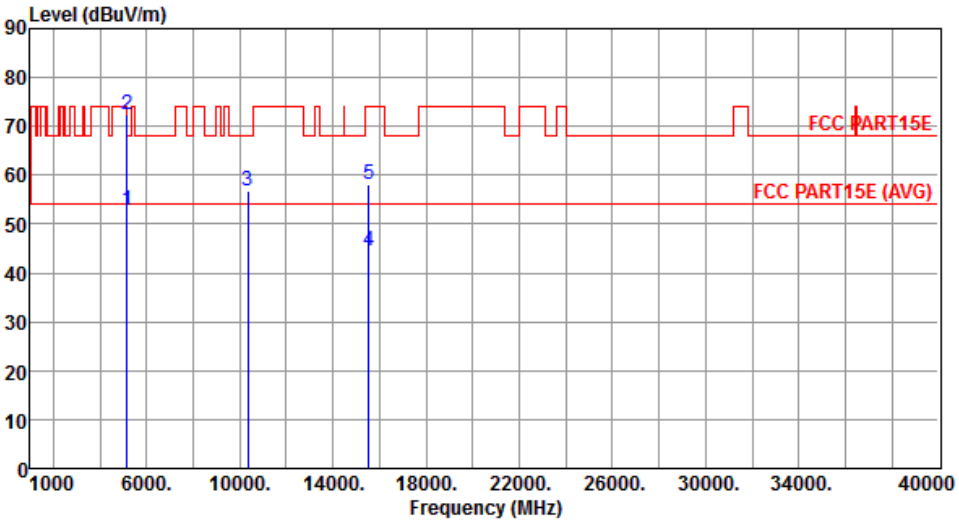
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.09	54.00	-1.91	46.88	5.21	Average	100	109
2	5150.00	71.87	74.00	-2.13	66.66	5.21	Peak	100	109
3	10360.00	56.55	68.20	-11.65	42.65	13.90	Peak	100	178
4	15540.00	44.19	54.00	-9.81	29.02	15.17	Average	100	310
5	15540.00	57.42	74.00	-16.58	42.25	15.17	Peak	100	310

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

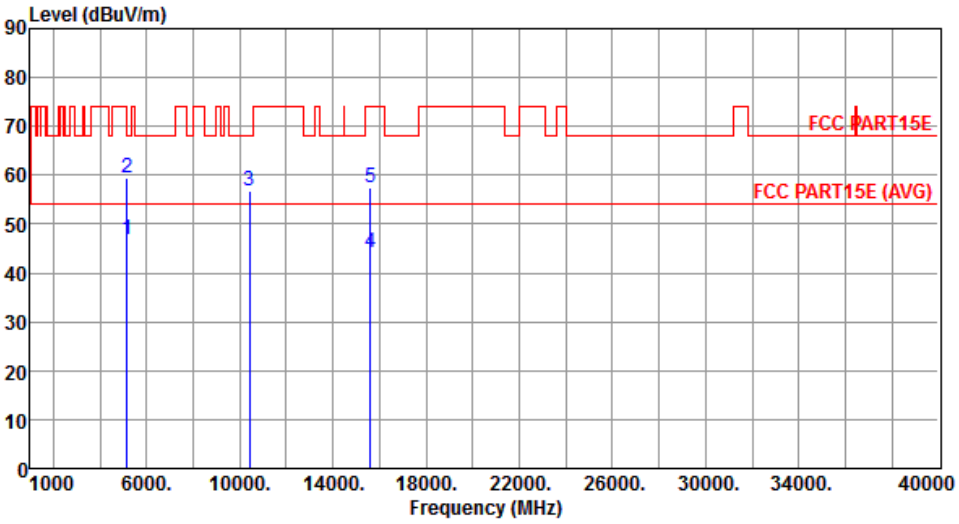
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.77	54.00	-1.23	47.56	5.21	Average	309	192
2	5150.00	72.31	74.00	-1.69	67.10	5.21	Peak	309	192
3	10360.00	56.83	68.20	-11.37	42.93	13.90	Peak	100	352
4	15540.00	44.36	54.00	-9.64	29.19	15.17	Average	100	5
5	15540.00	58.19	74.00	-15.81	43.02	15.17	Peak	100	5

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

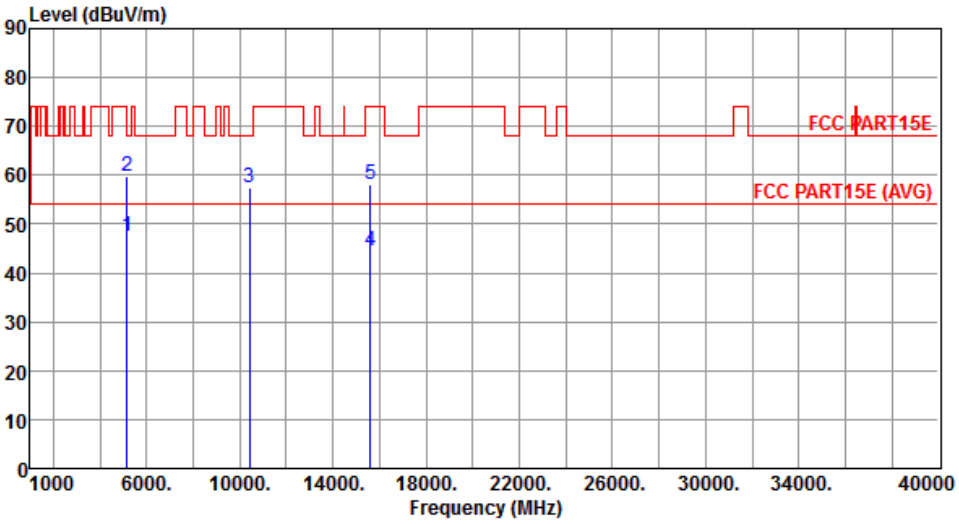
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.94	54.00	-7.06	41.73	5.21	Average	100	111
2	5150.00	59.45	74.00	-14.55	54.24	5.21	Peak	100	111
3	10400.00	56.65	68.20	-11.55	42.73	13.92	Peak	100	172
4	15600.00	44.02	54.00	-9.98	28.88	15.14	Average	100	304
5	15600.00	57.55	74.00	-16.45	42.41	15.14	Peak	100	304

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

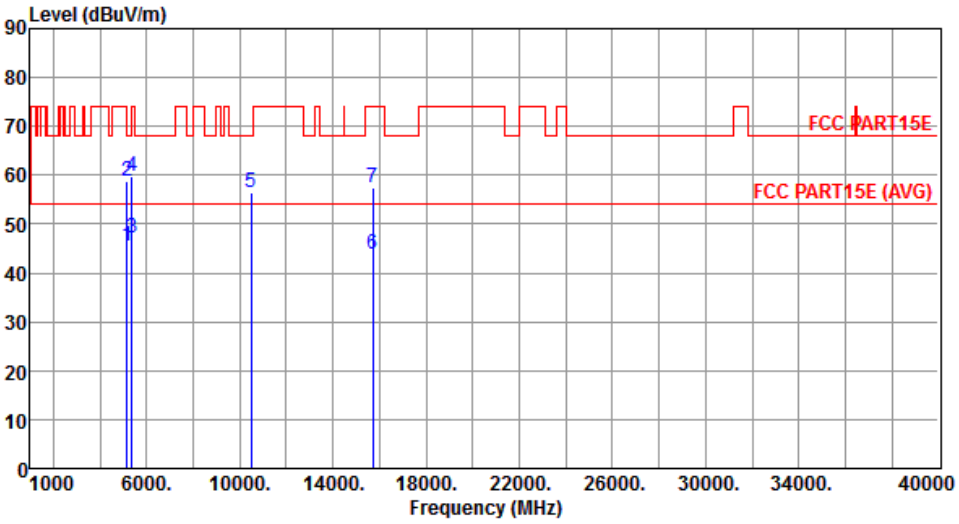
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.35	54.00	-6.65	42.14	5.21	Average	320	194
2	5150.00	59.73	74.00	-14.27	54.52	5.21	Peak	320	194
3	10400.00	57.33	68.20	-10.87	43.41	13.92	Peak	100	350
4	15600.00	44.54	54.00	-9.46	29.40	15.14	Average	100	11
5	15600.00	58.23	74.00	-15.77	43.09	15.14	Peak	100	11

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

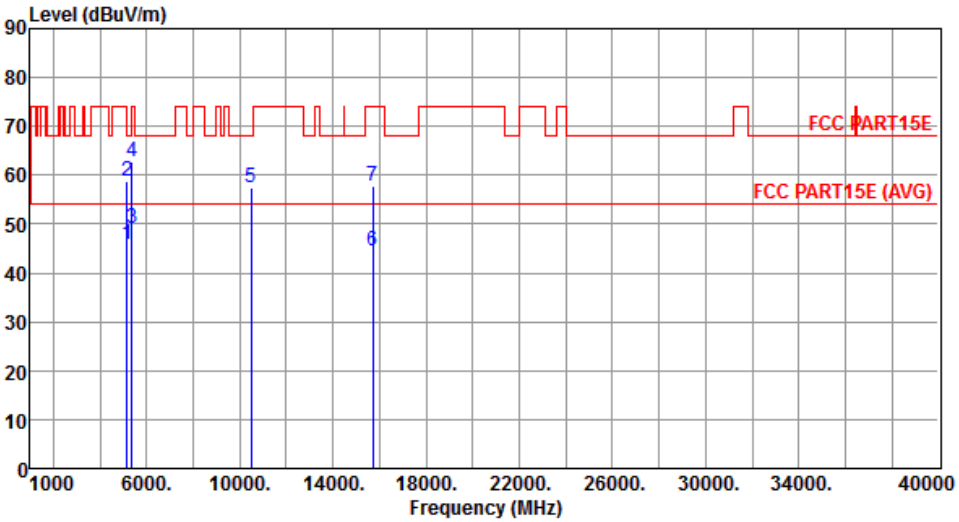
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.44	54.00	-8.56	40.23	5.21	Average	100	141
2	5150.00	58.77	74.00	-15.23	53.56	5.21	Peak	100	141
3	5350.00	47.29	54.00	-6.71	41.79	5.50	Average	100	141
4	5350.00	59.84	74.00	-14.16	54.34	5.50	Peak	100	141
5	10480.00	56.60	68.20	-11.60	42.65	13.95	Peak	100	166
6	15720.00	43.77	54.00	-10.23	28.66	15.11	Average	100	311
7	15720.00	57.44	74.00	-16.56	42.33	15.11	Peak	100	311

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

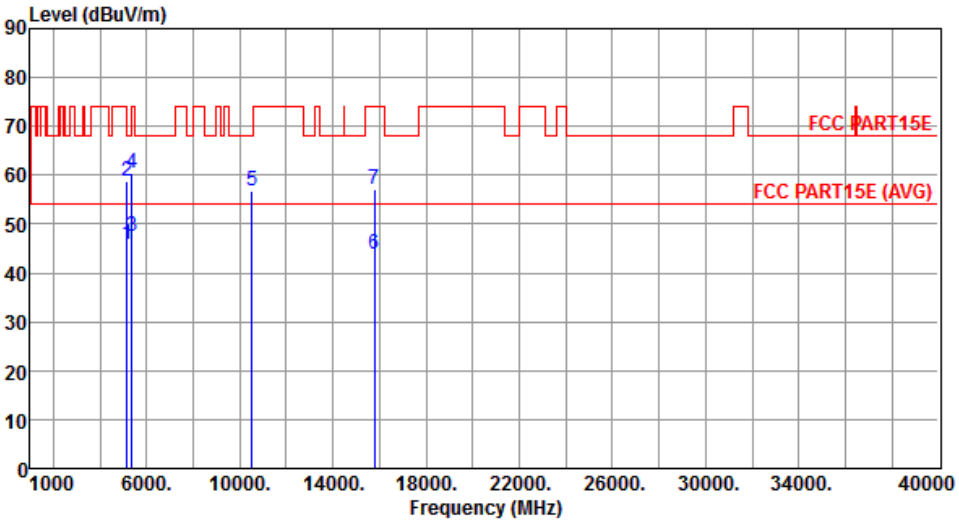
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		



	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	45.73	54.00	-8.27	40.52	5.21	Average	319	200
2	5150.00	58.81	74.00	-15.19	53.60	5.21	Peak	319	200
3	5350.00	49.01	54.00	-4.99	43.51	5.50	Average	319	200
4	5350.00	62.82	74.00	-11.18	57.32	5.50	Peak	319	200
5	10480.00	57.30	68.20	-10.90	43.35	13.95	Peak	100	342
6	15720.00	44.52	54.00	-9.48	29.41	15.11	Average	100	22
7	15720.00	57.93	74.00	-16.07	42.82	15.11	Peak	100	22

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

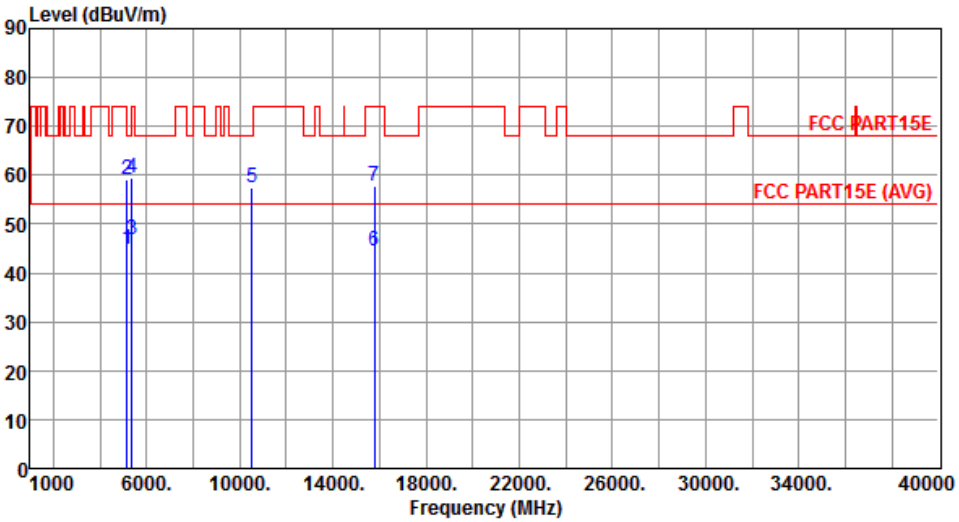
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	45.68	54.00	-8.32	40.47	5.21	Average	100	138
2	5150.00	58.91	74.00	-15.09	53.70	5.21	Peak	100	138
3	5350.00	47.34	54.00	-6.66	41.84	5.50	Average	100	138
4	5350.00	60.32	74.00	-13.68	54.82	5.50	Peak	100	138
5	10520.00	56.70	68.20	-11.50	42.72	13.98	Peak	100	181
6	15780.00	43.88	54.00	-10.12	28.81	15.07	Average	100	312
7	15780.00	57.17	74.00	-16.83	42.10	15.07	Peak	100	312

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

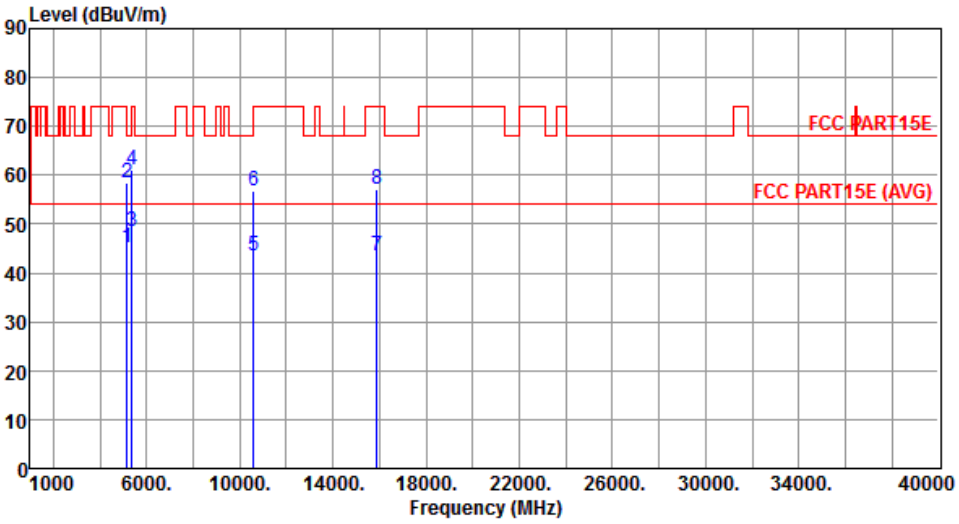
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.92	54.00	-9.08	39.71	5.21	Average	284	220
2	5150.00	59.27	74.00	-14.73	54.06	5.21	Peak	284	220
3	5350.00	46.99	54.00	-7.01	41.49	5.50	Average	284	220
4	5350.00	59.36	74.00	-14.64	53.86	5.50	Peak	284	220
5	10520.00	57.58	68.20	-10.62	43.60	13.98	Peak	100	353
6	15780.00	44.39	54.00	-9.61	29.32	15.07	Average	100	16
7	15780.00	57.83	74.00	-16.17	42.76	15.07	Peak	100	16

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

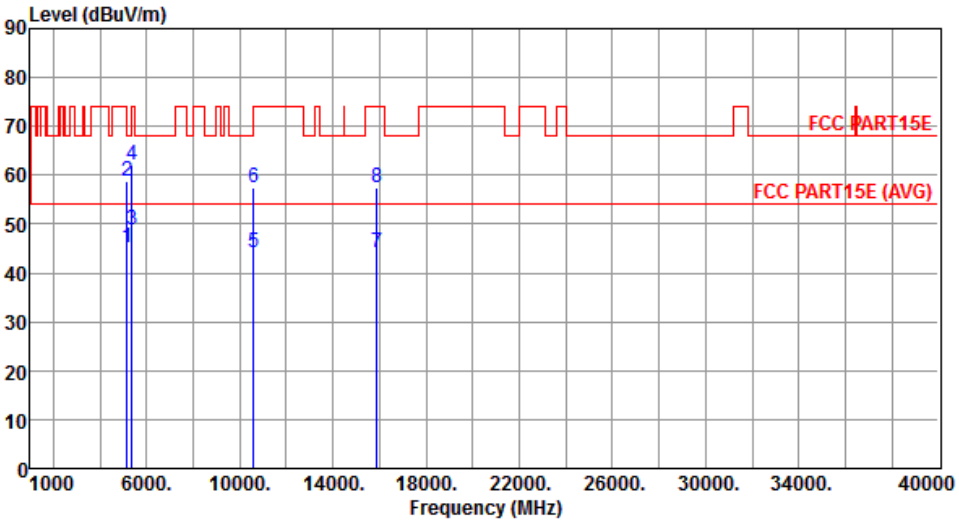
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		



	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	45.11	54.00	-8.89	39.90	5.21	Average	100	116
2	5150.00	58.60	74.00	-15.40	53.39	5.21	Peak	100	116
3	5350.00	48.49	54.00	-5.51	42.99	5.50	Average	100	116
4	5350.00	61.17	74.00	-12.83	55.67	5.50	Peak	100	116
5	10600.00	43.58	54.00	-10.42	29.52	14.06	Average	100	167
6	10600.00	56.83	74.00	-17.17	42.77	14.06	Peak	100	167
7	15900.00	43.45	54.00	-10.55	28.41	15.04	Average	100	311
8	15900.00	57.01	74.00	-16.99	41.97	15.04	Peak	100	311

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

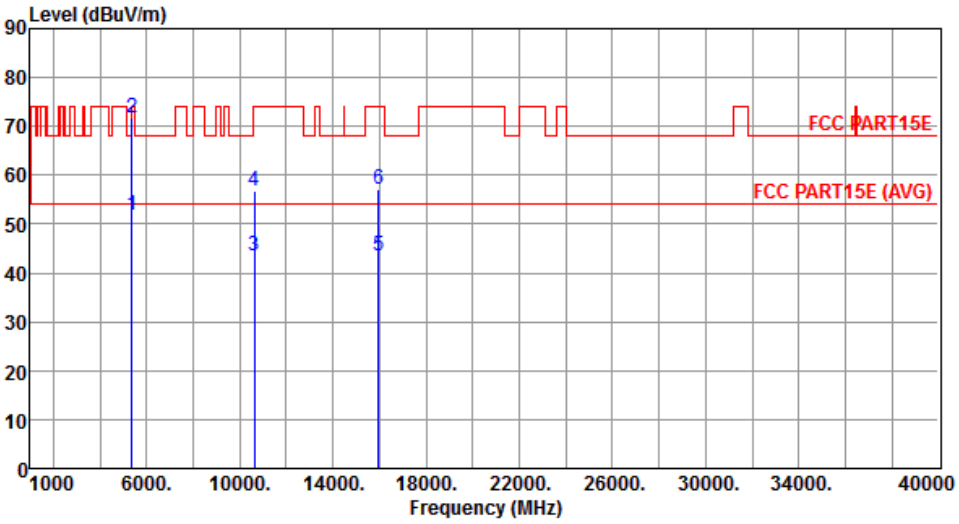
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		



	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	45.07	54.00	-8.93	39.86	5.21	Average	299	199
2	5150.00	58.74	74.00	-15.26	53.53	5.21	Peak	299	199
3	5350.00	48.78	54.00	-5.22	43.28	5.50	Average	299	199
4	5350.00	62.10	74.00	-11.90	56.60	5.50	Peak	299	199
5	10600.00	44.08	54.00	-9.92	30.02	14.06	Average	100	344
6	10600.00	57.37	74.00	-16.63	43.31	14.06	Peak	100	344
7	15900.00	44.16	54.00	-9.84	29.12	15.04	Average	100	19
8	15900.00	57.56	74.00	-16.44	42.52	15.04	Peak	100	19

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

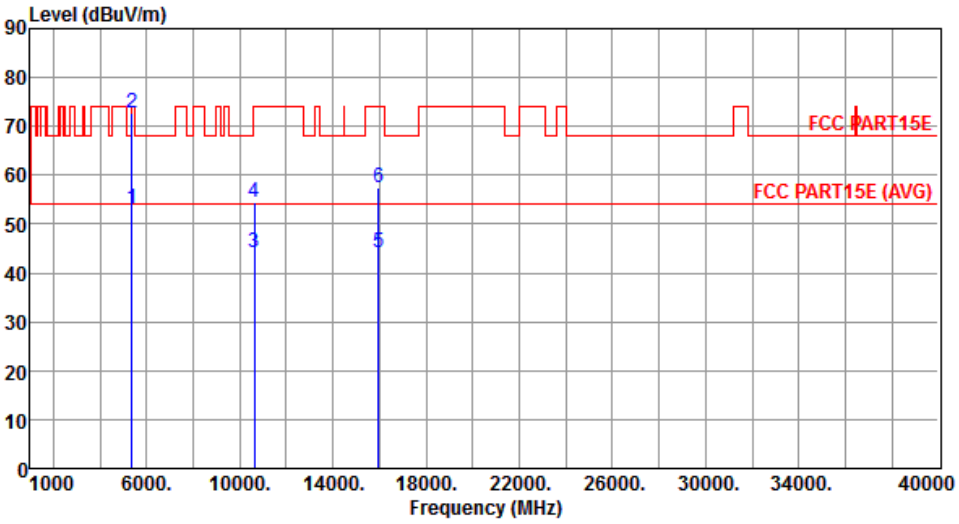
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.84	54.00	-2.16	46.34	5.50	Average	100	140
2	5350.00	71.76	74.00	-2.24	66.26	5.50	Peak	100	140
3	10640.00	43.59	54.00	-10.41	29.48	14.11	Average	100	173
4	10640.00	56.77	74.00	-17.23	42.66	14.11	Peak	100	173
5	15960.00	43.47	54.00	-10.53	28.46	15.01	Average	100	323
6	15960.00	57.11	74.00	-16.89	42.10	15.01	Peak	100	323

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

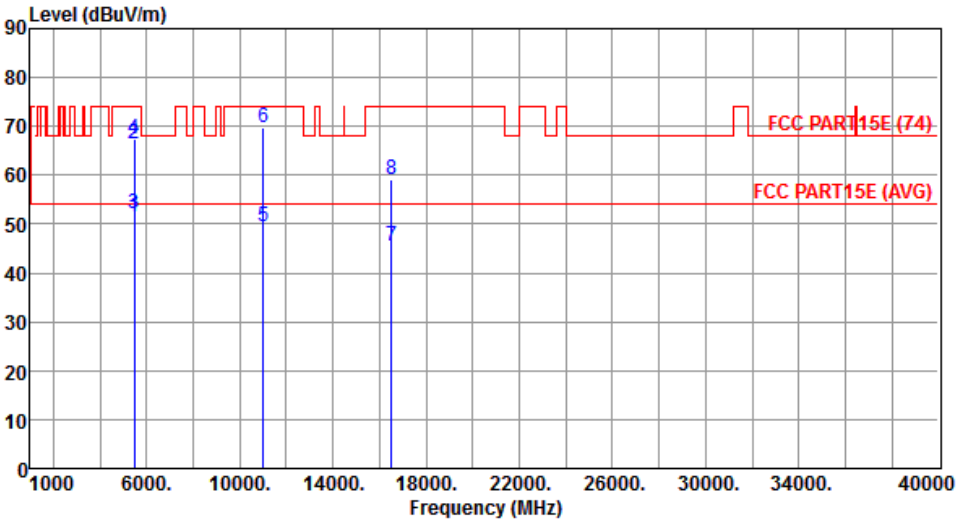
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.19	54.00	-0.81	47.69	5.50	Average	307	199
2	5350.00	72.84	74.00	-1.16	67.34	5.50	Peak	307	199
3	10640.00	44.29	54.00	-9.71	30.18	14.11	Average	100	341
4	10640.00	54.42	74.00	-19.58	40.31	14.11	Peak	100	341
5	15960.00	44.19	54.00	-9.81	29.18	15.01	Average	100	26
6	15960.00	57.53	74.00	-16.47	42.52	15.01	Peak	100	26

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

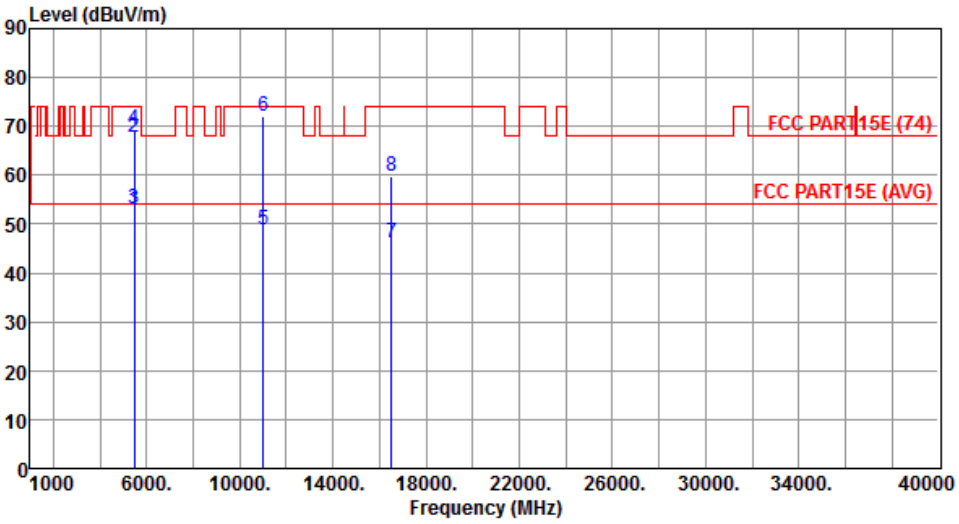
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	51.43	54.00	-2.57	45.78	5.65	Average	100	112
2	5460.00	66.40	74.00	-7.60	60.75	5.65	Peak	100	112
3	5470.00	52.22	54.00	-1.78	46.56	5.66	Average	100	112
4	5470.00	67.26	74.00	-6.74	61.60	5.66	Peak	100	112
5	11000.00	49.36	54.00	-4.64	34.90	14.46	Average	100	174
6	11000.00	69.74	74.00	-4.26	55.28	14.46	Peak	100	174
7	16500.00	45.62	54.00	-8.38	29.56	16.06	Average	100	326
8	16500.00	59.25	74.00	-14.75	43.19	16.06	Peak	100	326

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

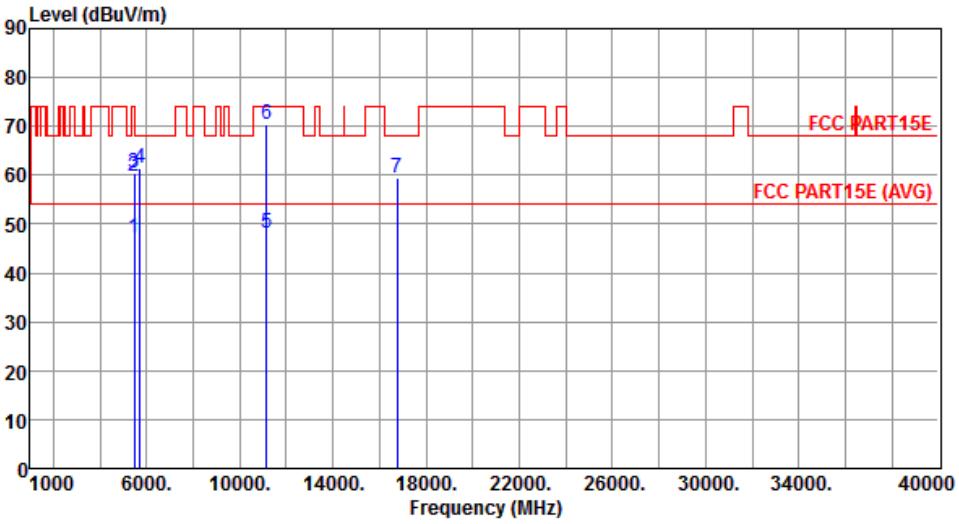
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	52.75	54.00	-1.25	47.10	5.65	Average	296	192
2	5460.00	67.73	74.00	-6.27	62.08	5.65	Peak	296	192
3	5470.00	53.10	54.00	-0.90	47.44	5.66	Average	296	192
4	5470.00	69.35	74.00	-4.65	63.69	5.66	Peak	296	192
5	11000.00	48.92	54.00	-5.08	34.46	14.46	Average	100	337
6	11000.00	72.04	74.00	-1.96	57.58	14.46	Peak	100	337
7	16500.00	46.27	54.00	-7.73	30.21	16.06	Average	100	25
8	16500.00	59.66	74.00	-14.34	43.60	16.06	Peak	100	25

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

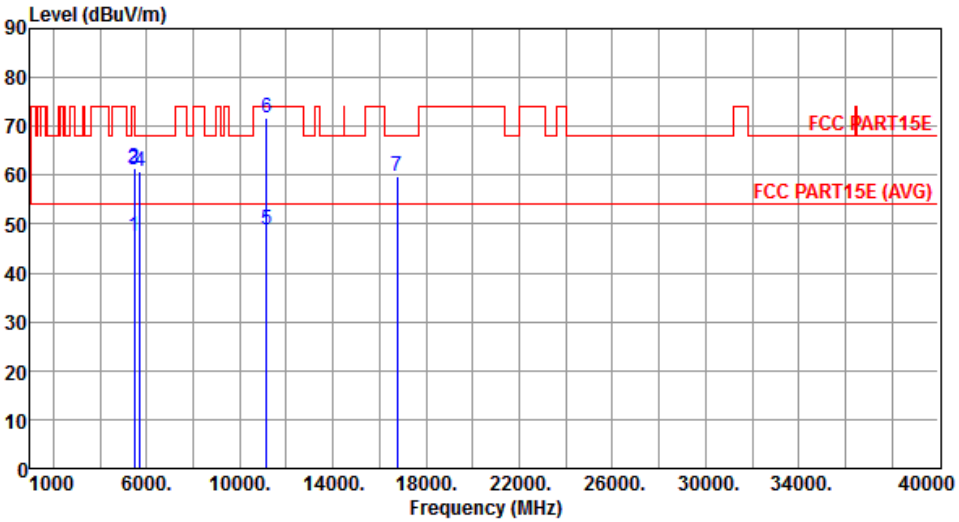
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.03	54.00	-6.97	41.38	5.65	Average	100	112
2	5460.00	59.80	74.00	-14.20	54.15	5.65	Peak	100	112
3	5470.00	60.59	68.20	-7.61	54.93	5.66	Peak	100	112
4	5725.00	61.60	68.20	-6.60	55.61	5.99	Peak	100	112
5	11160.00	48.27	54.00	-5.73	33.67	14.60	Average	100	161
6	11160.00	70.40	74.00	-3.60	55.80	14.60	Peak	100	161
7	16740.00	59.42	68.20	-8.78	43.25	16.17	Peak	100	325

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

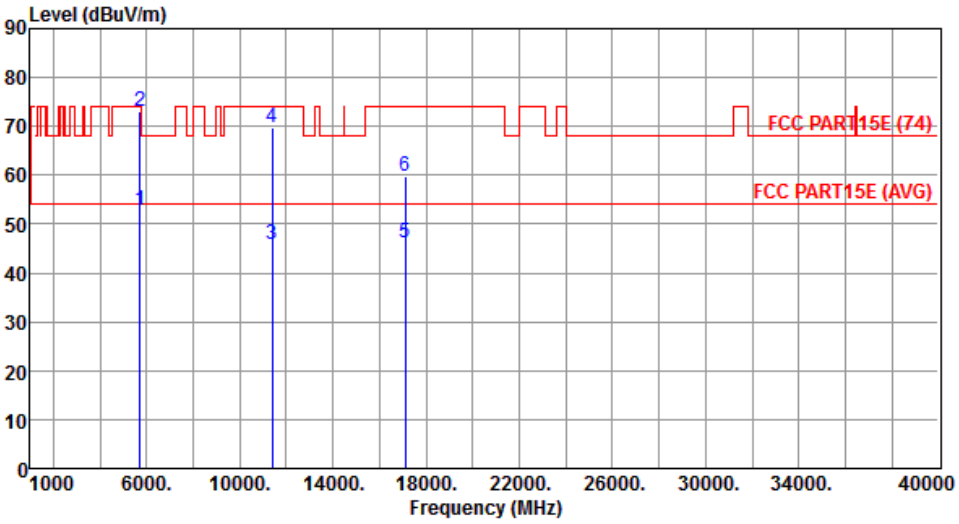
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.56	54.00	-6.44	41.91	5.65	Average	292	195
2	5460.00	61.36	74.00	-12.64	55.71	5.65	Peak	292	195
3	5470.00	60.95	68.20	-7.25	55.29	5.66	Peak	292	195
4	5725.00	60.74	68.20	-7.46	54.75	5.99	Peak	292	195
5	11160.00	48.85	54.00	-5.15	34.25	14.60	Average	100	341
6	11160.00	71.60	74.00	-2.40	57.00	14.60	Peak	100	341
7	16740.00	59.82	68.20	-8.38	43.65	16.17	Peak	100	26

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

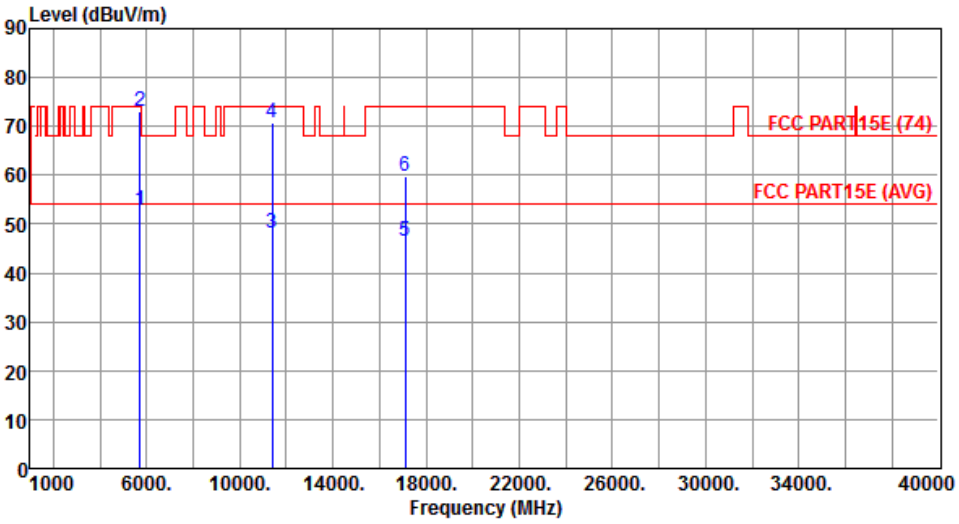
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	52.69	54.00	-1.31	46.70	5.99	Average	109	112
2	5725.00	73.00	74.00	-1.00	67.01	5.99	Peak	109	112
3	11400.00	45.83	54.00	-8.17	31.01	14.82	Average	376	94
4	11400.00	69.66	74.00	-4.34	54.84	14.82	Peak	376	94
5	17100.00	46.31	54.00	-7.69	29.61	16.70	Average	100	266
6	17100.00	59.93	74.00	-14.07	43.23	16.70	Peak	100	266

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

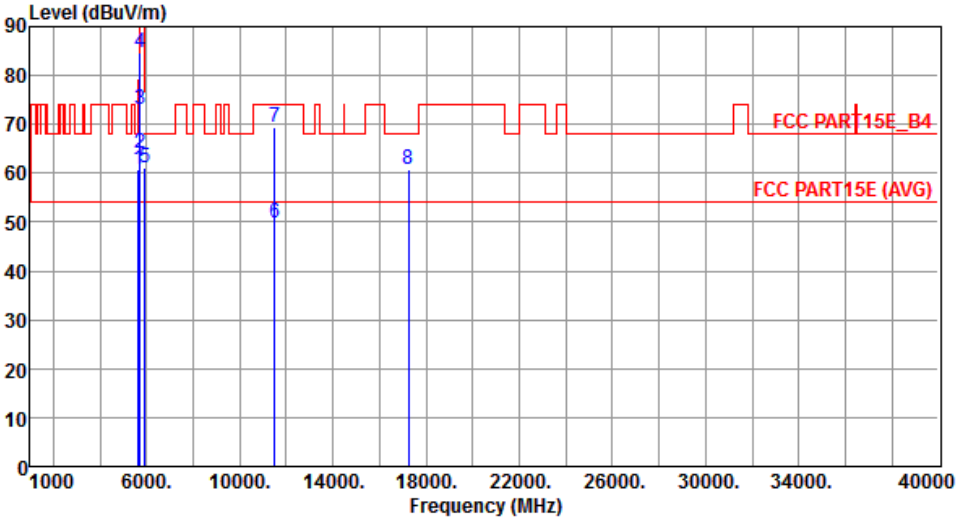
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	52.72	54.00	-1.28	46.73	5.99	Average	100	122
2	5725.00	72.95	74.00	-1.05	66.96	5.99	Peak	100	122
3	11400.00	48.14	54.00	-5.86	33.32	14.82	Average	118	121
4	11400.00	70.75	74.00	-3.25	55.93	14.82	Peak	118	121
5	17100.00	46.52	54.00	-7.48	29.82	16.70	Average	100	254
6	17100.00	59.92	74.00	-14.08	43.22	16.70	Peak	100	254

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

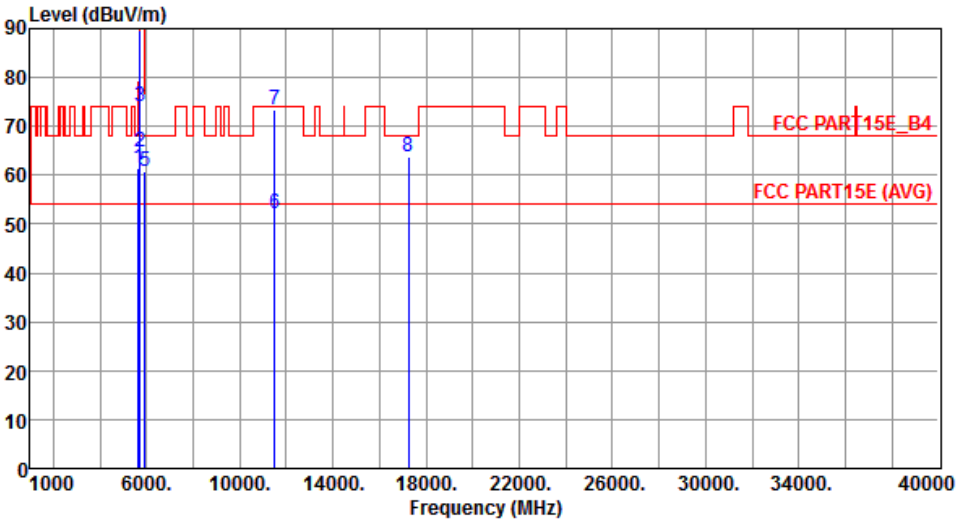
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.90	68.20	-7.30	55.03	5.87	Peak	106	113
2	5700.00	64.15	105.20	-41.05	58.19	5.96	Peak	106	113
3	5720.00	73.10	110.80	-37.70	67.12	5.98	Peak	106	113
4	5725.00	84.63	122.20	-37.57	78.64	5.99	Peak	106	113
5	5925.00	61.14	68.20	-7.06	54.88	6.26	Peak	106	113
6	11490.00	49.86	54.00	-4.14	34.96	14.90	Average	239	100
7	11490.00	69.56	74.00	-4.44	54.66	14.90	Peak	239	100
8	17235.00	60.70	68.20	-7.50	43.44	17.26	Peak	100	56

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

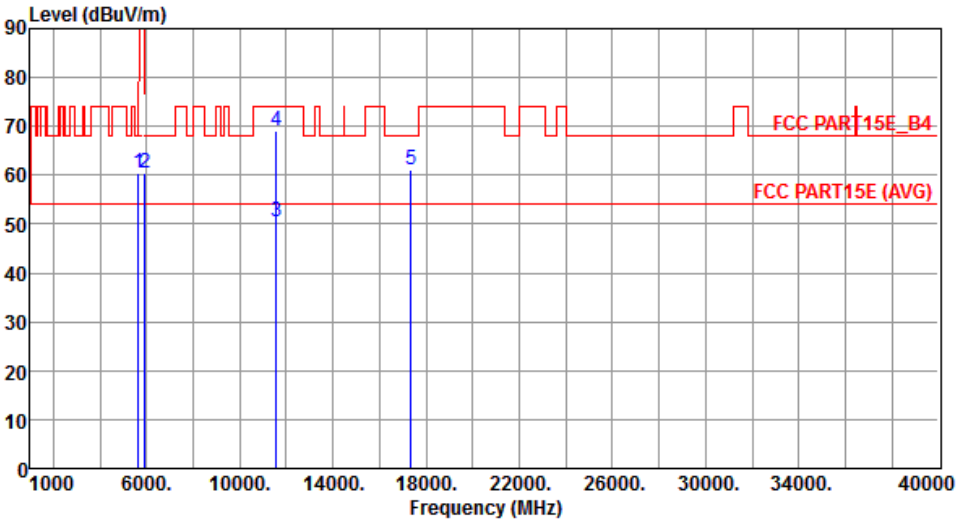
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.50	68.20	-6.70	55.63	5.87	Peak	100	118
2	5700.00	64.75	105.20	-40.45	58.79	5.96	Peak	100	118
3	5720.00	74.19	110.80	-36.61	68.21	5.98	Peak	100	118
4	5725.00	89.51	122.20	-32.69	83.52	5.99	Peak	100	118
5	5925.00	60.76	68.20	-7.44	54.50	6.26	Peak	100	118
6	11490.00	52.12	54.00	-1.88	37.22	14.90	Average	107	188
7	11490.00	73.53	74.00	-0.47	58.63	14.90	Peak	107	188
8	17235.00	63.71	68.20	-4.49	46.45	17.26	Peak	100	289

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

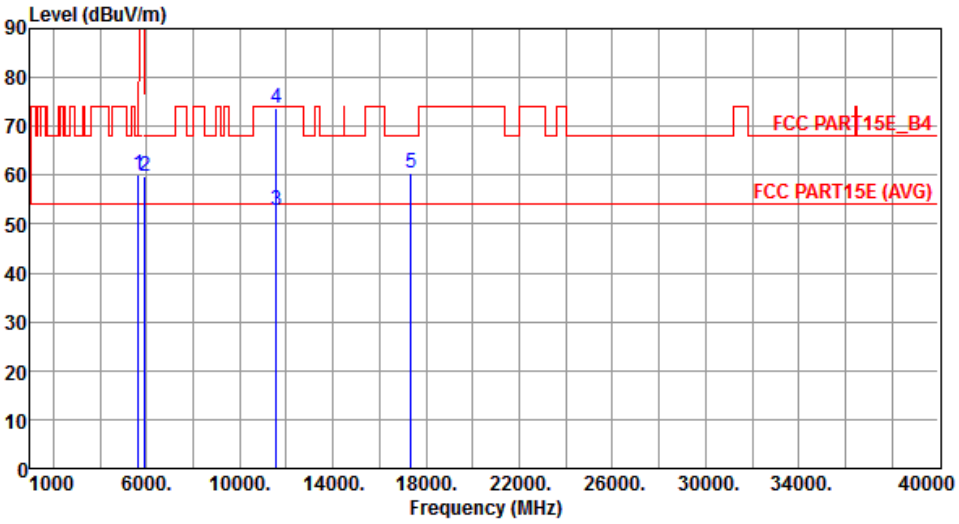
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.31	68.20	-7.89	54.44	5.87	Peak	286	50
2	5925.00	60.39	68.20	-7.81	54.13	6.26	Peak	286	50
3	11570.00	50.44	54.00	-3.56	35.67	14.77	Average	241	103
4	11570.00	68.99	74.00	-5.01	54.22	14.77	Peak	241	103
5	17355.00	60.97	68.20	-7.23	43.22	17.75	Peak	100	215

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

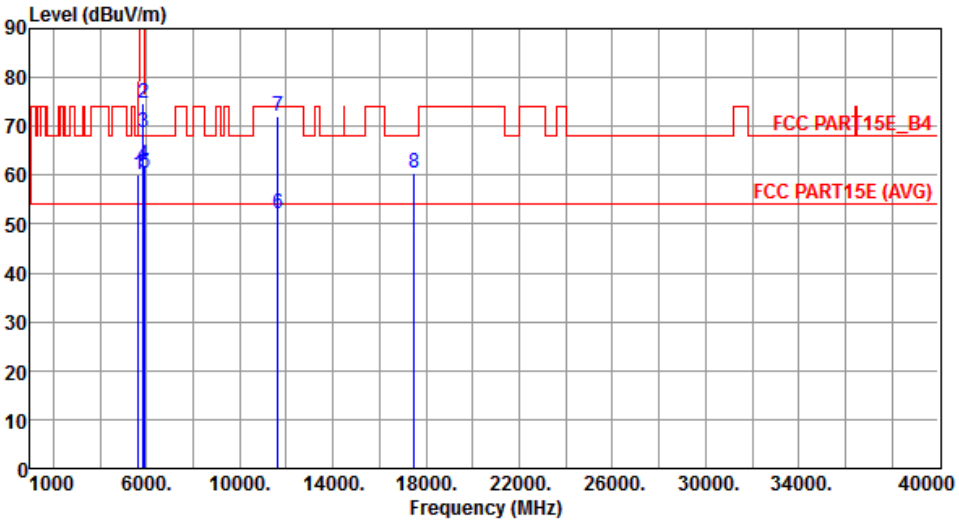
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.97	68.20	-8.23	54.10	5.87	Peak	100	122
2	5925.00	59.63	68.20	-8.57	53.37	6.26	Peak	100	122
3	11570.00	52.85	54.00	-1.15	38.08	14.77	Average	107	186
4	11570.00	73.69	74.00	-0.31	58.92	14.77	Peak	107	186
5	17355.00	60.42	68.20	-7.78	42.67	17.75	Peak	100	335

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

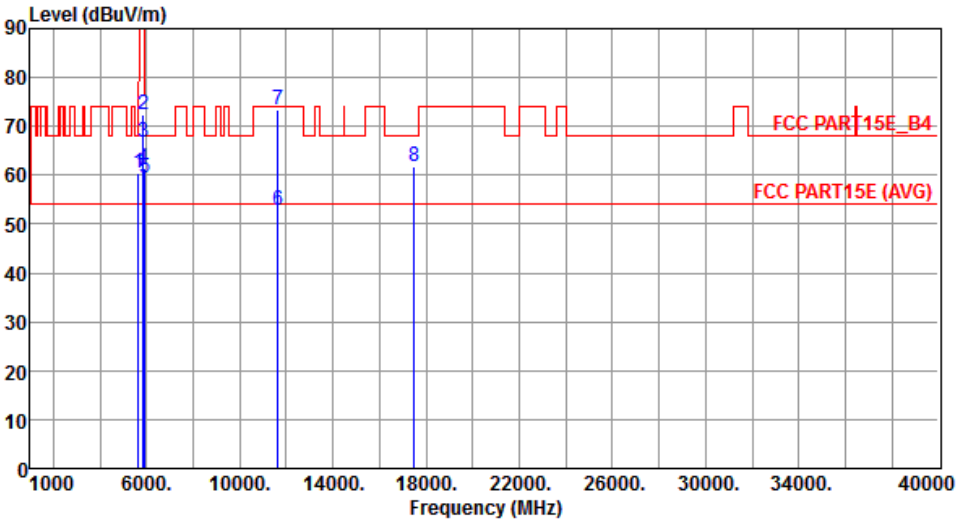
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.00	68.20	-8.20	54.13	5.87	Peak	100	98
2	5850.00	74.60	122.20	-47.60	68.43	6.17	Peak	100	98
3	5855.00	68.79	110.80	-42.01	62.61	6.18	Peak	100	98
4	5875.00	62.04	105.20	-43.16	55.84	6.20	Peak	100	98
5	5925.00	60.32	68.20	-7.88	54.06	6.26	Peak	100	98
6	11650.00	52.20	54.00	-1.80	37.59	14.61	Average	233	106
7	11650.00	71.99	74.00	-2.01	57.38	14.61	Peak	233	106
8	17475.00	60.59	68.20	-7.61	42.34	18.25	Peak	100	175

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

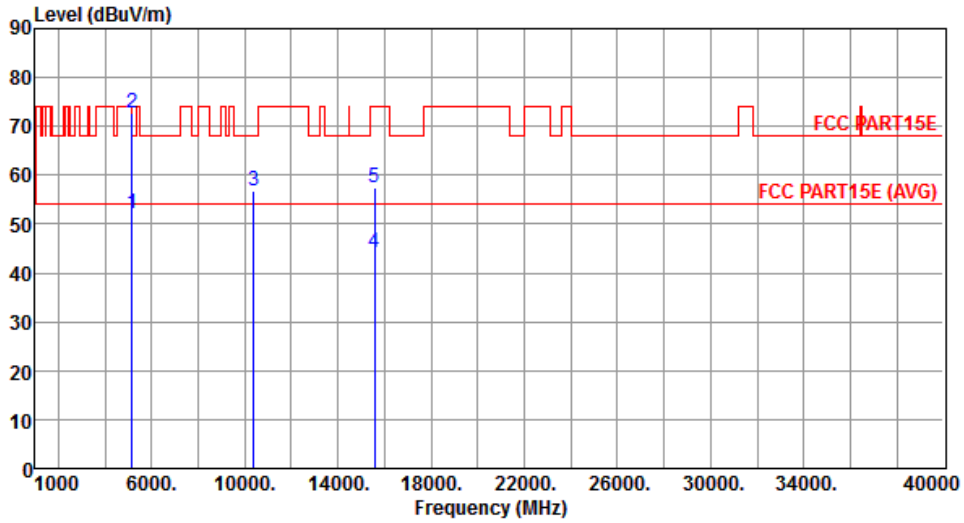


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.32	68.20	-7.88	54.45	5.87	Peak	100	100
2	5850.00	72.35	122.20	-49.85	66.18	6.17	Peak	100	100
3	5855.00	66.79	110.80	-44.01	60.61	6.18	Peak	100	100
4	5875.00	61.40	105.20	-43.80	55.20	6.20	Peak	100	100
5	5925.00	59.57	68.20	-8.63	53.31	6.26	Peak	100	100
6	11650.00	52.86	54.00	-1.14	38.25	14.61	Average	106	187
7	11650.00	73.55	74.00	-0.45	58.94	14.61	Peak	106	187
8	17475.00	61.75	68.20	-6.45	43.50	18.25	Peak	106	187

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

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

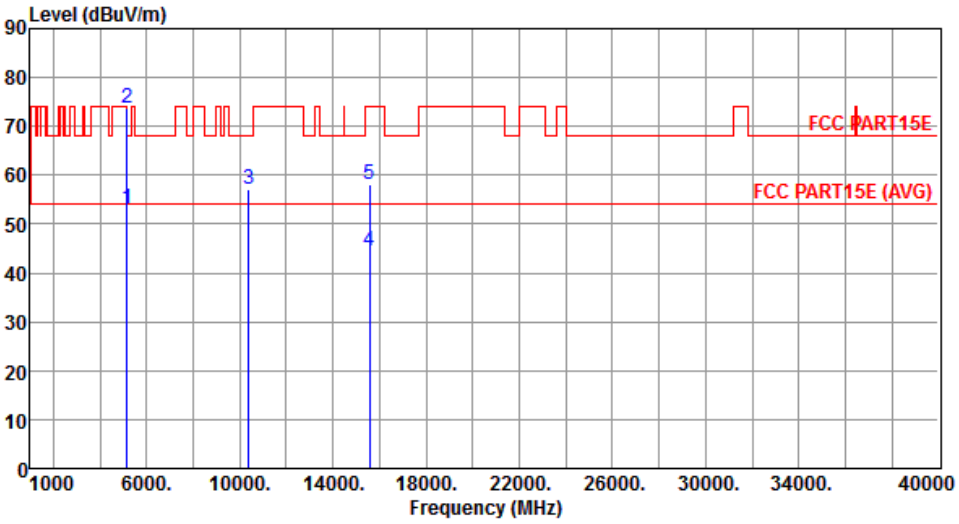
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.00	54.00	-2.00	46.79	5.21	Average	100	111
2	5150.00	72.58	74.00	-1.42	67.37	5.21	Peak	100	111
3	10380.00	56.68	68.20	-11.52	42.78	13.90	Peak	100	171
4	15570.00	44.31	54.00	-9.69	29.15	15.16	Average	100	319
5	15570.00	57.54	74.00	-16.46	42.38	15.16	Peak	100	319

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

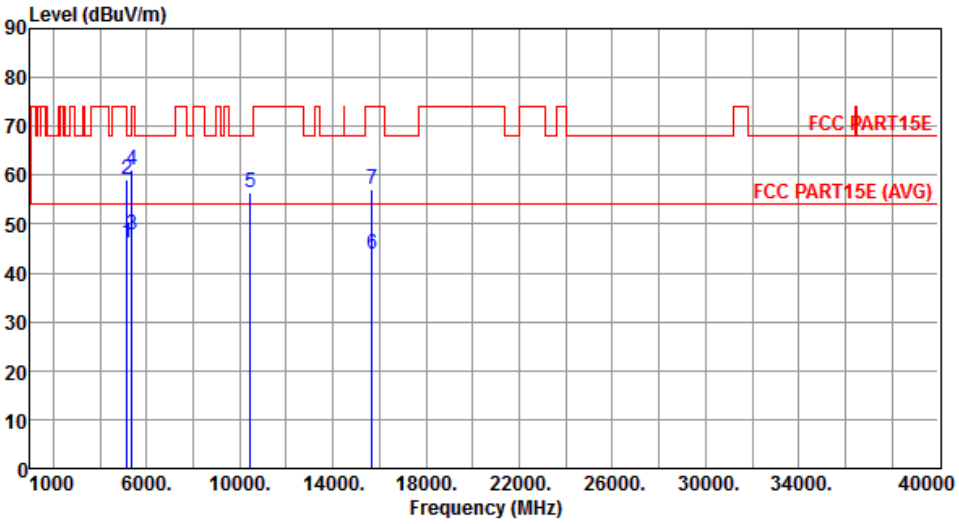
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.11	54.00	-0.89	47.90	5.21	Average	324	191
2	5150.00	73.57	74.00	-0.43	68.36	5.21	Peak	324	191
3	10380.00	57.00	68.20	-11.20	43.10	13.90	Peak	100	349
4	15570.00	44.50	54.00	-9.50	29.34	15.16	Average	100	14
5	15570.00	58.06	74.00	-15.94	42.90	15.16	Peak	100	14

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

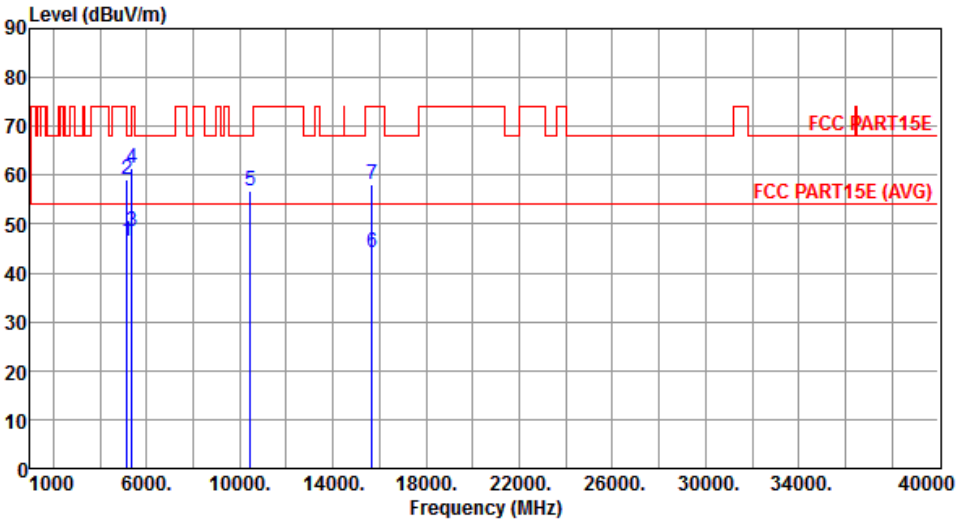
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.07	54.00	-7.93	40.86	5.21	Average	108	108
2	5150.00	58.95	74.00	-15.05	53.74	5.21	Peak	108	108
3	5350.00	47.82	54.00	-6.18	42.32	5.50	Average	108	108
4	5350.00	61.11	74.00	-12.89	55.61	5.50	Peak	108	108
5	10460.00	56.46	68.20	-11.74	42.52	13.94	Peak	100	166
6	15690.00	43.86	54.00	-10.14	28.74	15.12	Average	100	322
7	15690.00	57.01	74.00	-16.99	41.89	15.12	Peak	100	322

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

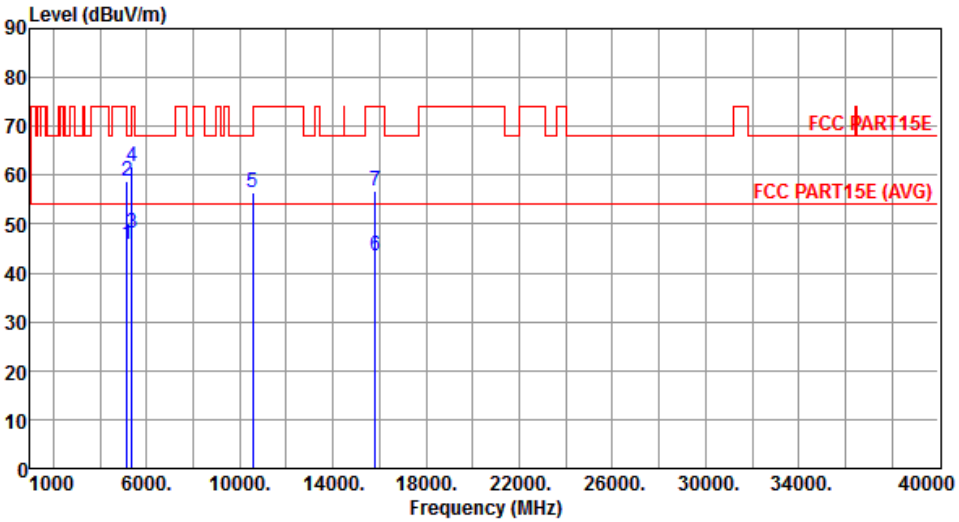
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.65	54.00	-7.35	41.44	5.21	Average	326	190
2	5150.00	59.03	74.00	-14.97	53.82	5.21	Peak	326	190
3	5350.00	48.61	54.00	-5.39	43.11	5.50	Average	326	190
4	5350.00	61.45	74.00	-12.55	55.95	5.50	Peak	326	190
5	10460.00	56.85	68.20	-11.35	42.91	13.94	Peak	100	348
6	15690.00	44.31	54.00	-9.69	29.19	15.12	Average	100	14
7	15690.00	58.20	74.00	-15.80	43.08	15.12	Peak	100	14

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

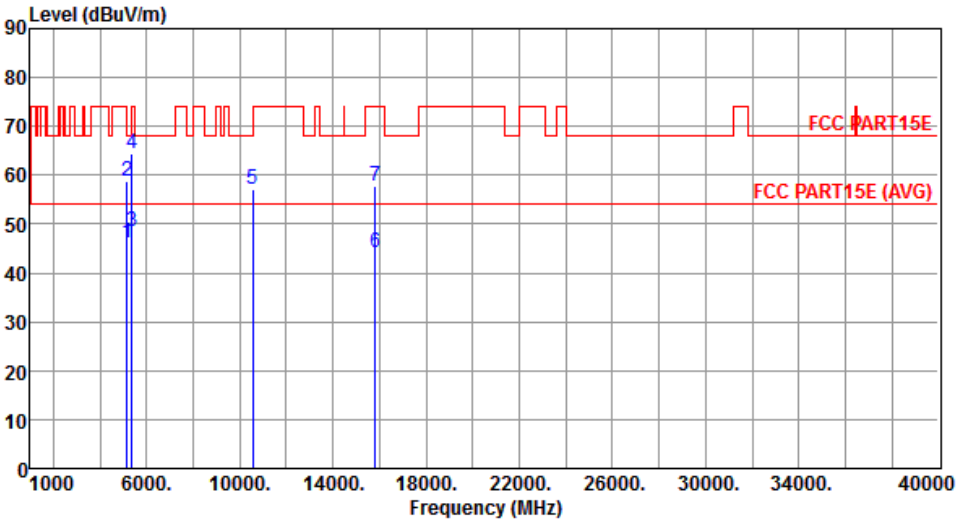
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		



	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	45.93	54.00	-8.07	40.72	5.21	Average	100	110
2	5150.00	58.72	74.00	-15.28	53.51	5.21	Peak	100	110
3	5350.00	48.20	54.00	-5.80	42.70	5.50	Average	100	110
4	5350.00	61.75	74.00	-12.25	56.25	5.50	Peak	100	110
5	10540.00	56.50	68.20	-11.70	42.50	14.00	Peak	100	158
6	15810.00	43.59	54.00	-10.41	28.53	15.06	Average	100	317
7	15810.00	56.90	74.00	-17.10	41.84	15.06	Peak	100	317

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

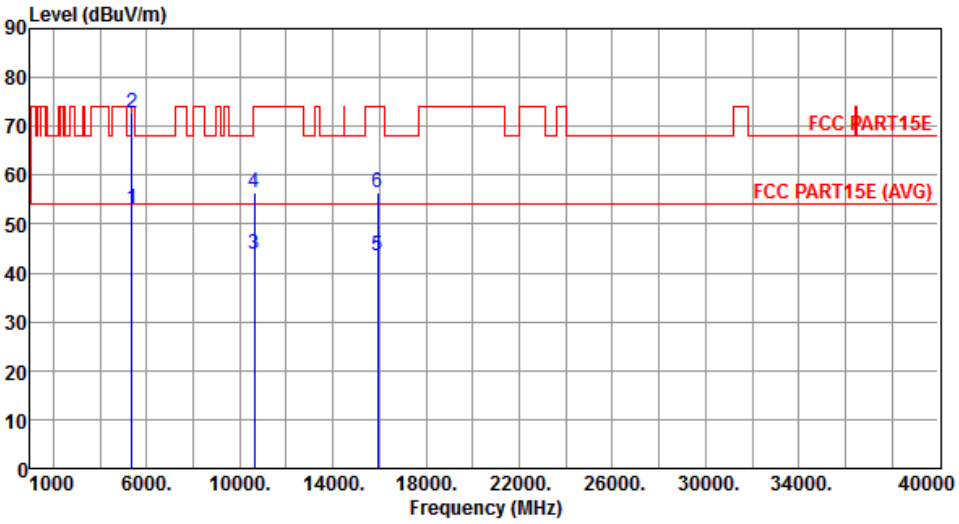
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.03	54.00	-7.97	40.82	5.21	Average	348	194
2	5150.00	58.71	74.00	-15.29	53.50	5.21	Peak	348	194
3	5350.00	48.63	54.00	-5.37	43.13	5.50	Average	348	194
4	5350.00	64.45	74.00	-9.55	58.95	5.50	Peak	348	194
5	10540.00	57.15	68.20	-11.05	43.15	14.00	Peak	100	338
6	15810.00	44.21	54.00	-9.79	29.15	15.06	Average	100	9
7	15810.00	57.79	74.00	-16.21	42.73	15.06	Peak	100	9

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

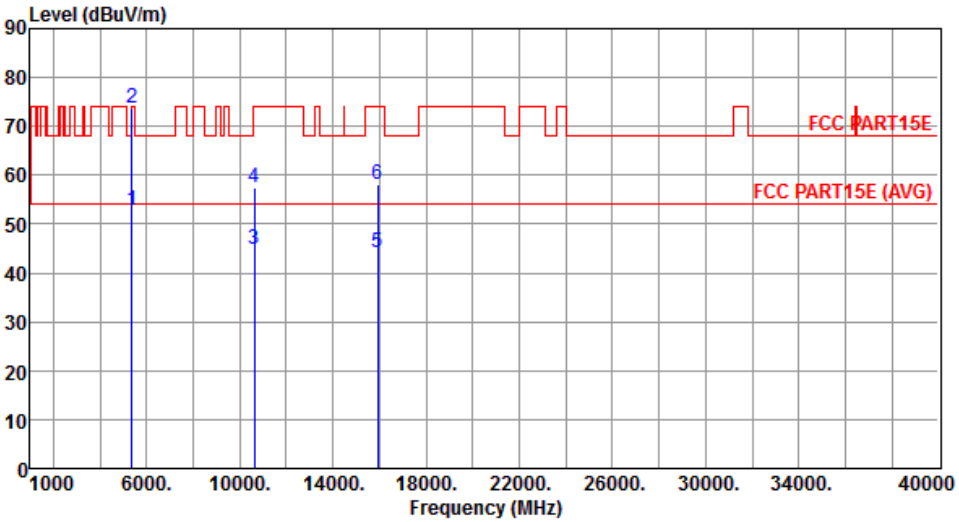
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	53.30	54.00	-0.70	47.80	5.50	Average	100	116
2	5350.00	72.77	74.00	-1.23	67.27	5.50	Peak	100	116
3	10620.00	43.73	54.00	-10.27	29.66	14.07	Average	100	172
4	10620.00	56.54	74.00	-17.46	42.47	14.07	Peak	100	172
5	15930.00	43.42	54.00	-10.58	28.40	15.02	Average	100	331
6	15930.00	56.52	74.00	-17.48	41.50	15.02	Peak	100	331

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

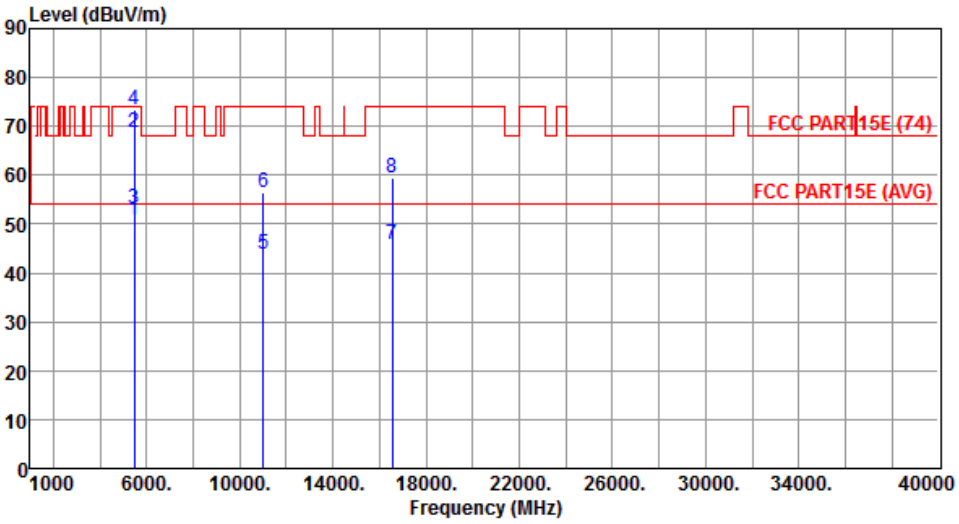
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.96	54.00	-1.04	47.46	5.50	Average	327	196
2	5350.00	73.70	74.00	-0.30	68.20	5.50	Peak	327	196
3	10620.00	44.88	54.00	-9.12	30.81	14.07	Average	100	336
4	10620.00	57.41	74.00	-16.59	43.34	14.07	Peak	100	336
5	15930.00	44.06	54.00	-9.94	29.04	15.02	Average	100	11
6	15930.00	58.05	74.00	-15.95	43.03	15.02	Peak	100	11

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

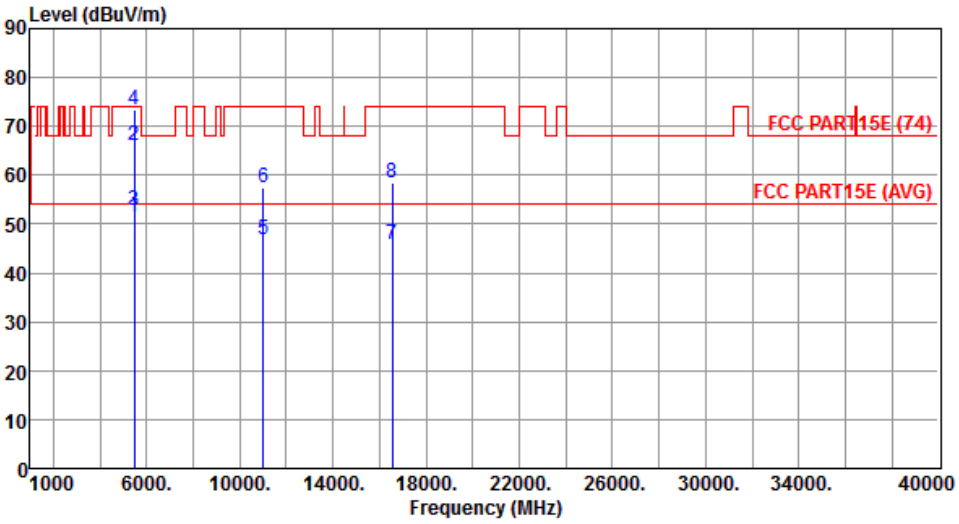
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.79	54.00	-3.21	45.14	5.65	Average	236	118
2	5460.00	68.73	74.00	-5.27	63.08	5.65	Peak	236	118
3	5470.00	53.08	54.00	-0.92	47.42	5.66	Average	236	118
4	5470.00	73.51	74.00	-0.49	67.85	5.66	Peak	236	118
5	11020.00	43.94	54.00	-10.06	29.46	14.48	Average	100	135
6	11020.00	56.55	74.00	-17.45	42.07	14.48	Peak	100	135
7	16530.00	45.95	54.00	-8.05	29.88	16.07	Average	100	140
8	16530.00	59.43	74.00	-14.57	43.36	16.07	Peak	100	140

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

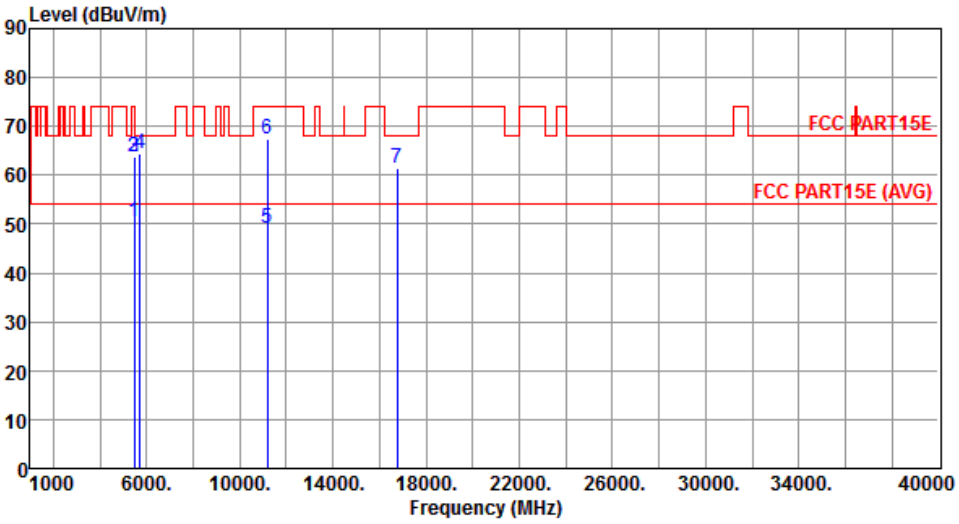
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	51.41	54.00	-2.59	45.76	5.65	Average	235	43
2	5460.00	66.00	74.00	-8.00	60.35	5.65	Peak	235	43
3	5470.00	52.96	54.00	-1.04	47.30	5.66	Average	235	43
4	5470.00	73.48	74.00	-0.52	67.82	5.66	Peak	235	43
5	11020.00	46.68	54.00	-7.32	32.20	14.48	Average	100	137
6	11020.00	57.48	74.00	-16.52	43.00	14.48	Peak	100	137
7	16530.00	45.75	54.00	-8.25	29.68	16.07	Average	100	146
8	16530.00	58.41	74.00	-15.59	42.34	16.07	Peak	100	146

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

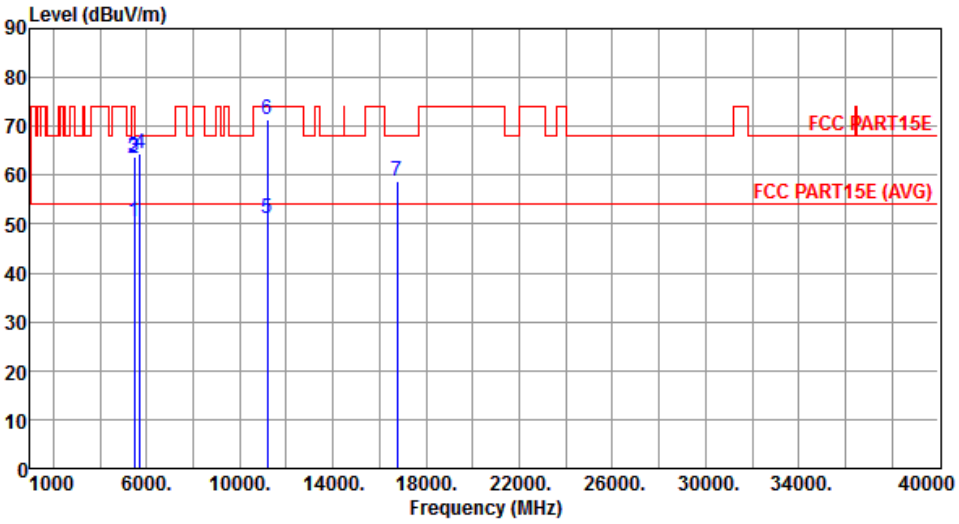
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.41	54.00	-3.59	44.76	5.65	Average	101	110
2	5460.00	63.70	74.00	-10.30	58.05	5.65	Peak	101	110
3	5470.00	63.86	68.20	-4.34	58.20	5.66	Peak	101	110
4	5725.00	64.52	68.20	-3.68	58.53	5.99	Peak	101	110
5	11180.00	49.11	54.00	-4.89	34.49	14.62	Average	386	108
6	11180.00	67.32	74.00	-6.68	52.70	14.62	Peak	386	108
7	16770.00	61.28	68.20	-6.92	45.10	16.18	Peak	100	138

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

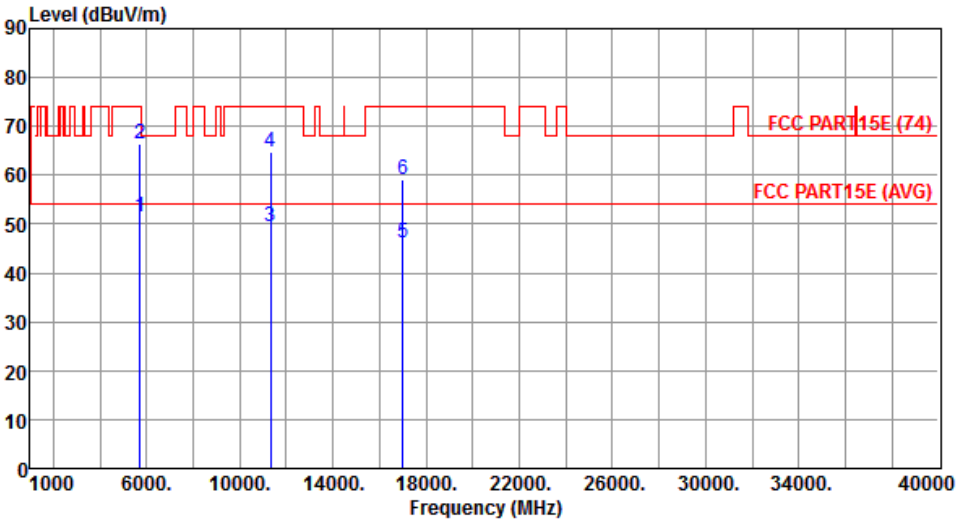
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.64	54.00	-3.36	44.99	5.65	Average	109	98
2	5460.00	63.42	74.00	-10.58	57.77	5.65	Peak	109	98
3	5470.00	63.76	68.20	-4.44	58.10	5.66	Peak	109	98
4	5725.00	64.27	68.20	-3.93	58.28	5.99	Peak	109	98
5	11180.00	51.21	54.00	-2.79	36.59	14.62	Average	193	191
6	11180.00	71.31	74.00	-2.69	56.69	14.62	Peak	193	191
7	16770.00	58.94	68.20	-9.26	42.76	16.18	Peak	100	140

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

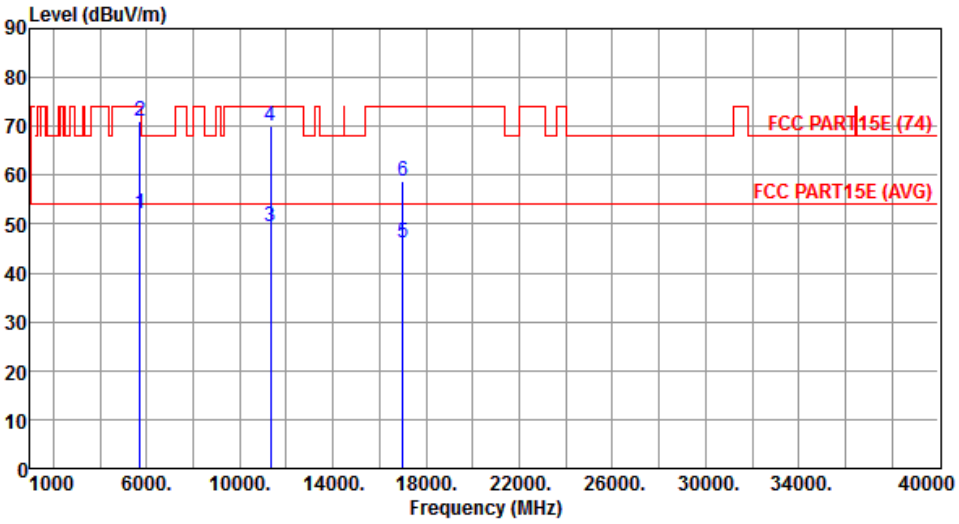
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	51.32	54.00	-2.68	45.33	5.99	Average	375	105
2	5725.00	66.53	74.00	-7.47	60.54	5.99	Peak	375	105
3	11340.00	49.55	54.00	-4.45	34.78	14.77	Average	351	106
4	11340.00	64.68	74.00	-9.32	49.91	14.77	Peak	351	106
5	17010.00	46.16	54.00	-7.84	29.83	16.33	Average	100	150
6	17010.00	59.01	74.00	-14.99	42.68	16.33	Peak	100	150

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

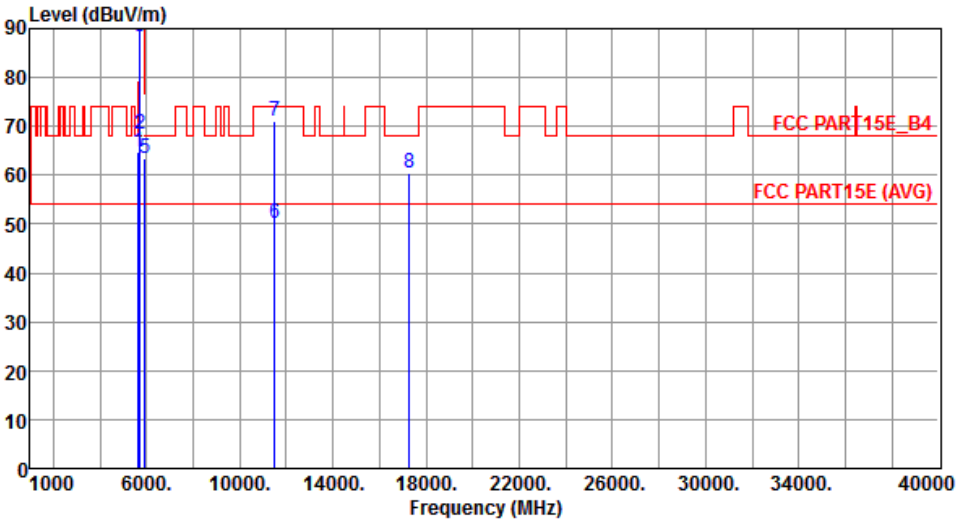
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	52.20	54.00	-1.80	46.21	5.99	Average	274	195
2	5725.00	71.19	74.00	-2.81	65.20	5.99	Peak	274	195
3	11340.00	49.60	54.00	-4.40	34.83	14.77	Average	112	195
4	11340.00	69.97	74.00	-4.03	55.20	14.77	Peak	112	195
5	17010.00	46.11	54.00	-7.89	29.78	16.33	Average	100	156
6	17010.00	58.89	74.00	-15.11	42.56	16.33	Peak	100	156

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

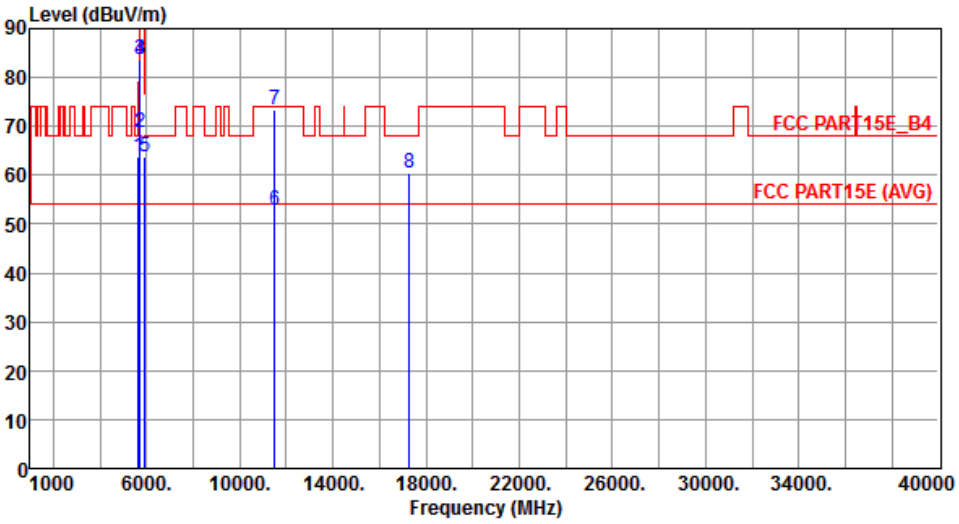
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	64.68	68.20	-3.52	58.81	5.87	Peak	101	118
2	5700.00	68.38	105.20	-36.82	62.42	5.96	Peak	101	118
3	5720.00	88.24	110.80	-22.56	82.26	5.98	Peak	101	118
4	5725.00	89.54	122.20	-32.66	83.55	5.99	Peak	101	118
5	5925.00	63.55	68.20	-4.65	57.29	6.26	Peak	101	118
6	11510.00	50.12	54.00	-3.88	35.23	14.89	Average	389	100
7	11510.00	70.99	74.00	-3.01	56.10	14.89	Peak	389	100
8	17265.00	60.53	68.20	-7.67	43.16	17.37	Peak	100	65

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

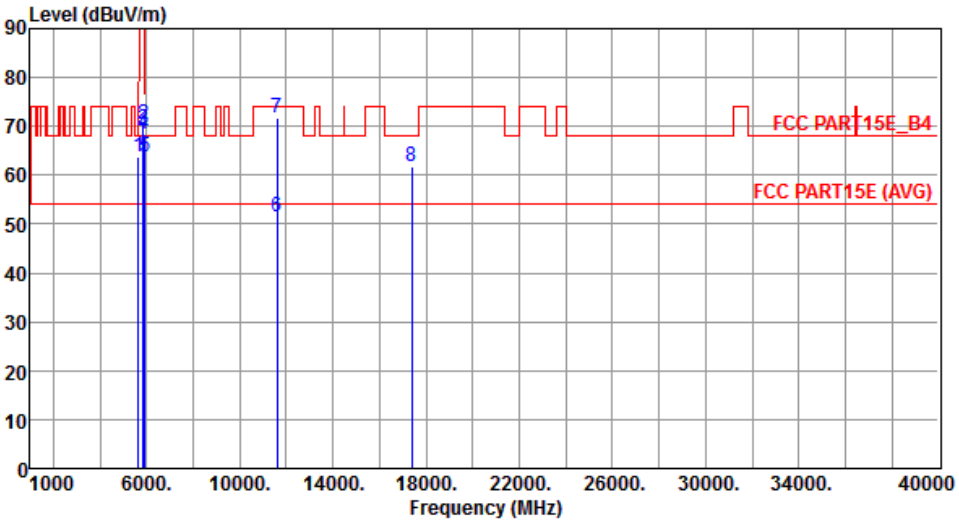
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	63.82	68.20	-4.38	57.95	5.87	Peak	317	38
2	5700.00	68.71	105.20	-36.49	62.75	5.96	Peak	317	38
3	5720.00	83.65	110.80	-27.15	77.67	5.98	Peak	317	38
4	5725.00	83.72	122.20	-38.48	77.73	5.99	Peak	317	38
5	5925.00	63.69	68.20	-4.51	57.43	6.26	Peak	317	38
6	11510.00	52.95	54.00	-1.05	38.06	14.89	Average	117	193
7	11510.00	73.41	74.00	-0.59	58.52	14.89	Peak	117	193
8	17265.00	60.46	68.20	-7.74	43.09	17.37	Peak	100	286

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

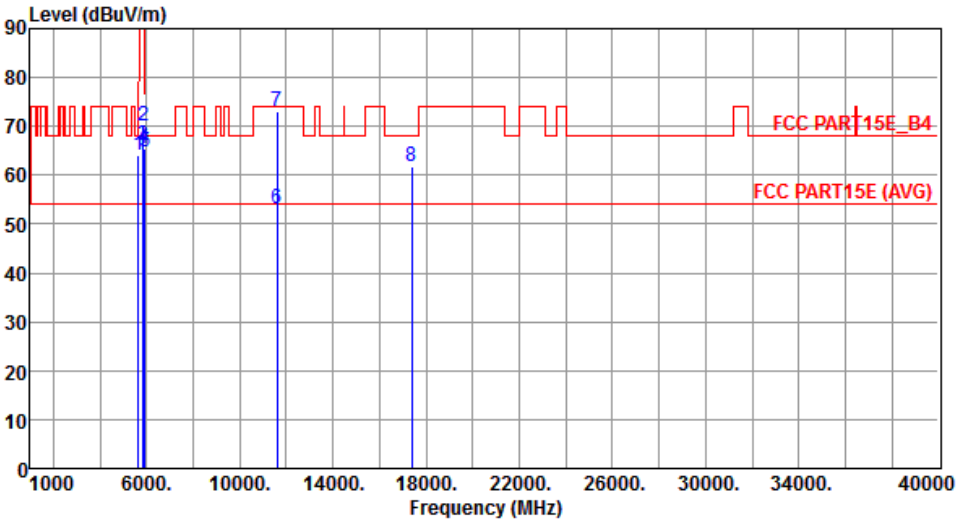
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	63.91	68.20	-4.29	58.04	5.87	Peak	102	109
2	5850.00	70.46	122.20	-51.74	64.29	6.17	Peak	102	109
3	5855.00	69.36	110.80	-41.44	63.18	6.18	Peak	102	109
4	5875.00	68.42	105.20	-36.78	62.22	6.20	Peak	102	109
5	5925.00	63.81	68.20	-4.39	57.55	6.26	Peak	102	109
6	11590.00	51.60	54.00	-2.40	36.87	14.73	Average	372	101
7	11590.00	71.79	74.00	-2.21	57.06	14.73	Peak	372	101
8	17385.00	61.66	68.20	-6.54	43.79	17.87	Peak	372	101

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

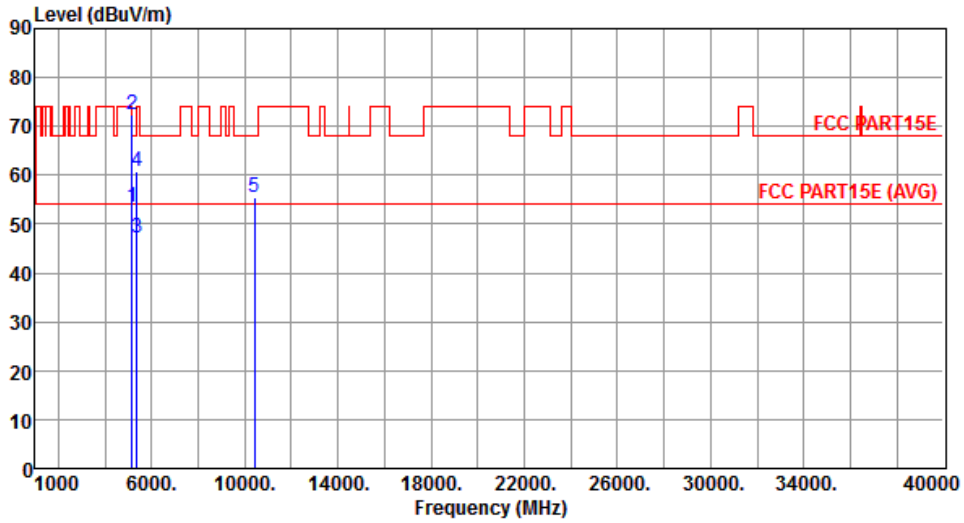


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	64.21	68.20	-3.99	58.34	5.87	Peak	246	109
2	5850.00	69.92	122.20	-52.28	63.75	6.17	Peak	246	109
3	5855.00	66.07	110.80	-44.73	59.89	6.18	Peak	246	109
4	5875.00	65.33	105.20	-39.87	59.13	6.20	Peak	246	109
5	5925.00	64.93	68.20	-3.27	58.67	6.26	Peak	246	109
6	11590.00	53.26	54.00	-0.74	38.53	14.73	Average	114	194
7	11590.00	73.15	74.00	-0.85	58.42	14.73	Peak	114	194
8	17385.00	61.84	68.20	-6.36	43.97	17.87	Peak	100	202

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

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

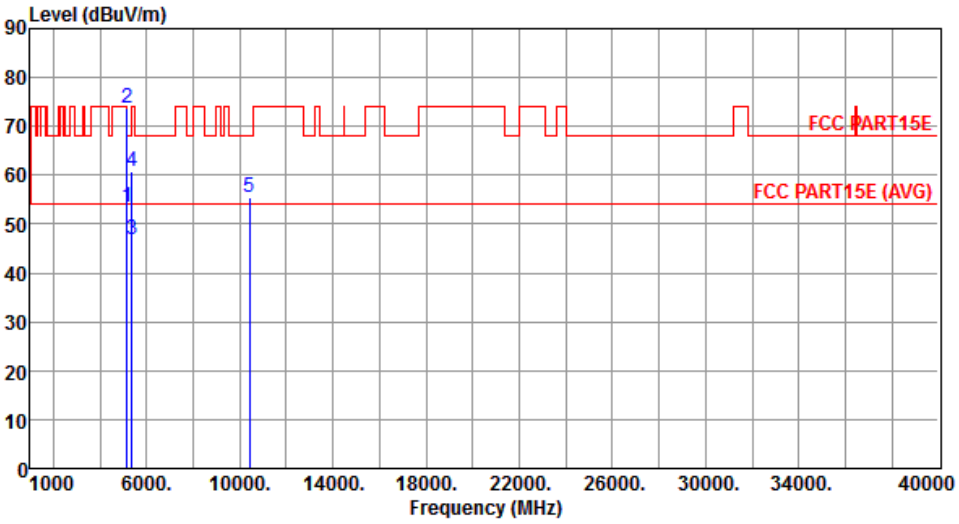
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.41	54.00	-0.59	48.20	5.21	Average	282	103
2	5150.00	72.40	74.00	-1.60	67.19	5.21	Peak	282	103
3	5350.00	47.06	54.00	-6.94	41.56	5.50	Average	282	103
4	5350.00	60.62	74.00	-13.38	55.12	5.50	Peak	282	103
5	10420.00	55.48	68.20	-12.72	41.56	13.92	Peak	100	165

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

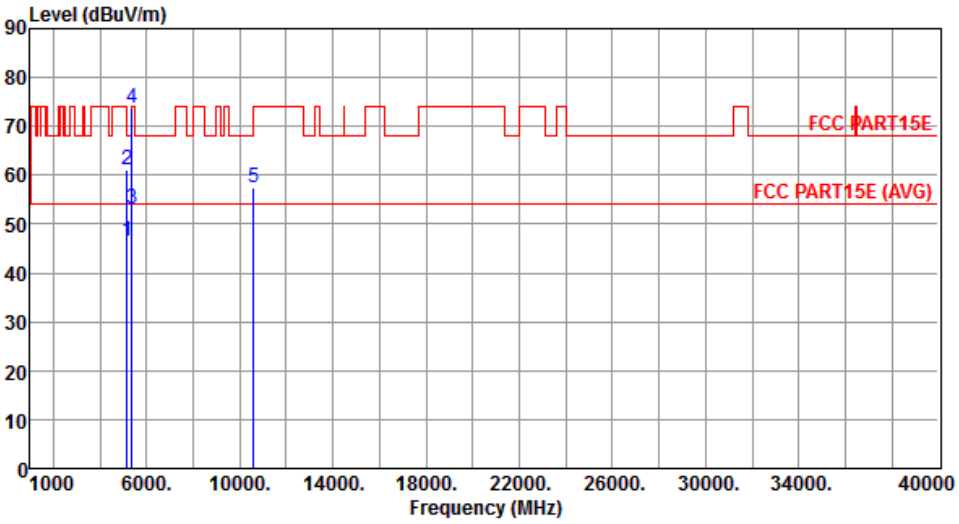
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.43	54.00	-0.57	48.22	5.21	Average	346	185
2	5150.00	73.59	74.00	-0.41	68.38	5.21	Peak	346	185
3	5350.00	46.75	54.00	-7.25	41.25	5.50	Average	346	185
4	5350.00	60.63	74.00	-13.37	55.13	5.50	Peak	346	185
5	10420.00	55.31	68.20	-12.89	41.39	13.92	Peak	100	177

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

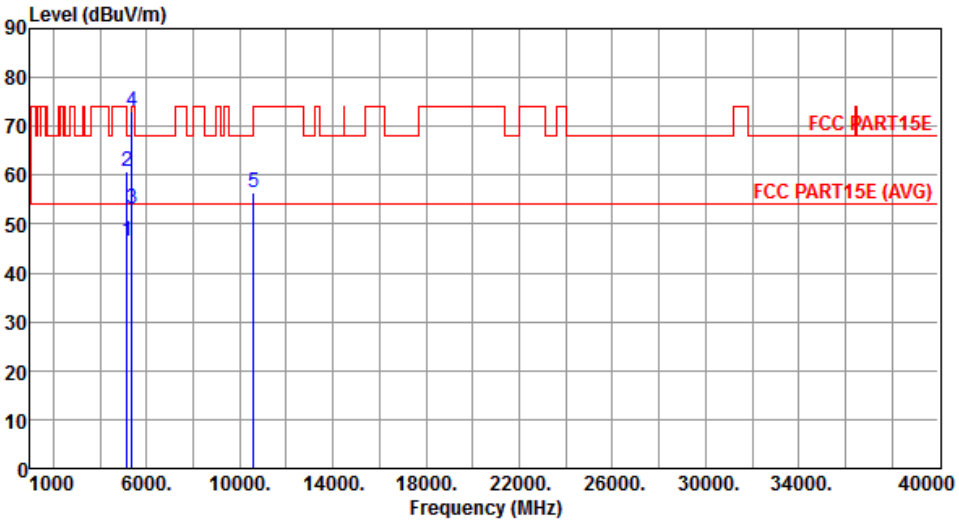
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.65	54.00	-7.35	41.44	5.21	Average	286	107
2	5150.00	60.99	74.00	-13.01	55.78	5.21	Peak	286	107
3	5350.00	53.20	54.00	-0.80	47.70	5.50	Average	286	107
4	5350.00	73.76	74.00	-0.24	68.26	5.50	Peak	286	107
5	10580.00	57.35	68.20	-10.85	43.31	14.04	Peak	100	175

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

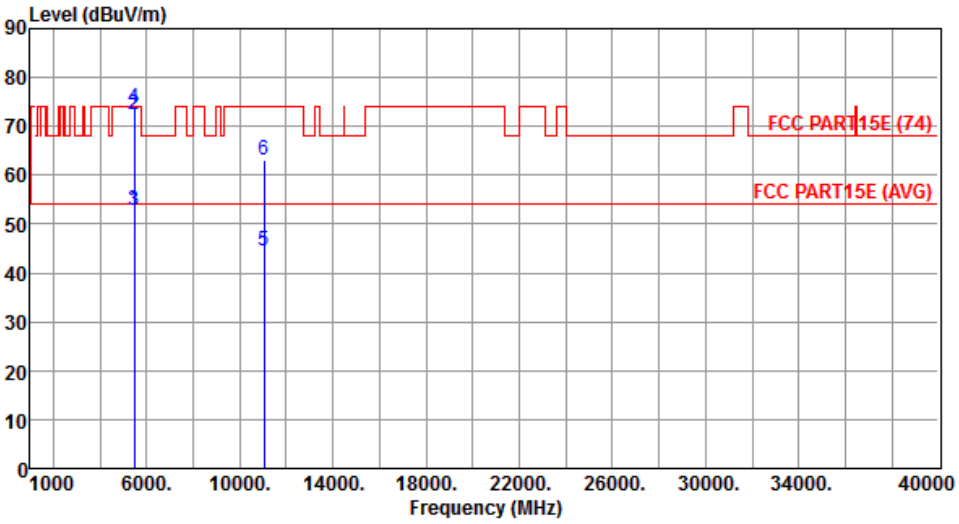
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.43	54.00	-7.57	41.22	5.21	Average	272	45
2	5150.00	60.66	74.00	-13.34	55.45	5.21	Peak	272	45
3	5350.00	53.15	54.00	-0.85	47.65	5.50	Average	272	45
4	5350.00	73.19	74.00	-0.81	67.69	5.50	Peak	272	45
5	10580.00	56.49	68.20	-11.71	42.45	14.04	Peak	272	45

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

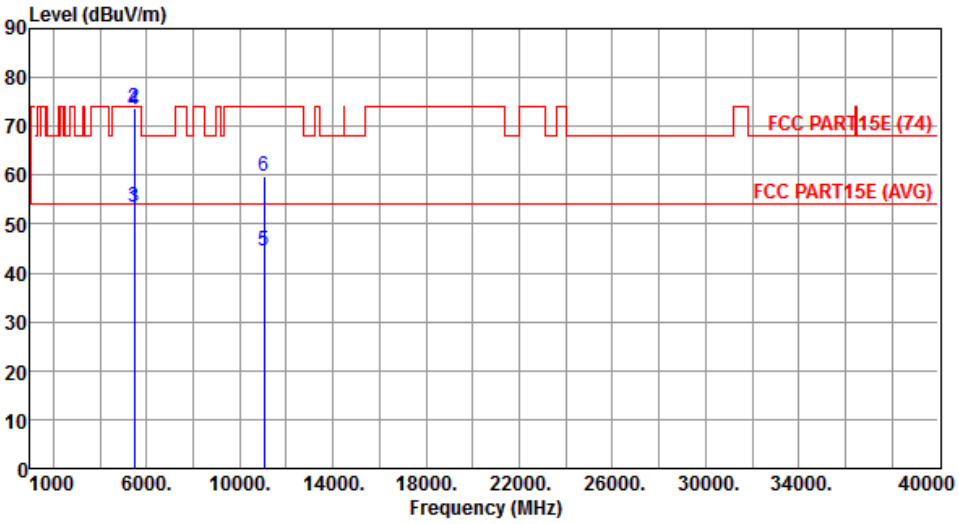
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	52.67	54.00	-1.33	47.02	5.65	Average	267	113
2	5460.00	72.48	74.00	-1.52	66.83	5.65	Peak	267	113
3	5470.00	52.92	54.00	-1.08	47.26	5.66	Average	267	113
4	5470.00	73.58	74.00	-0.42	67.92	5.66	Peak	267	113
5	11060.00	44.62	54.00	-9.38	30.11	14.51	Average	350	105
6	11060.00	63.16	74.00	-10.84	48.65	14.51	Peak	350	105

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

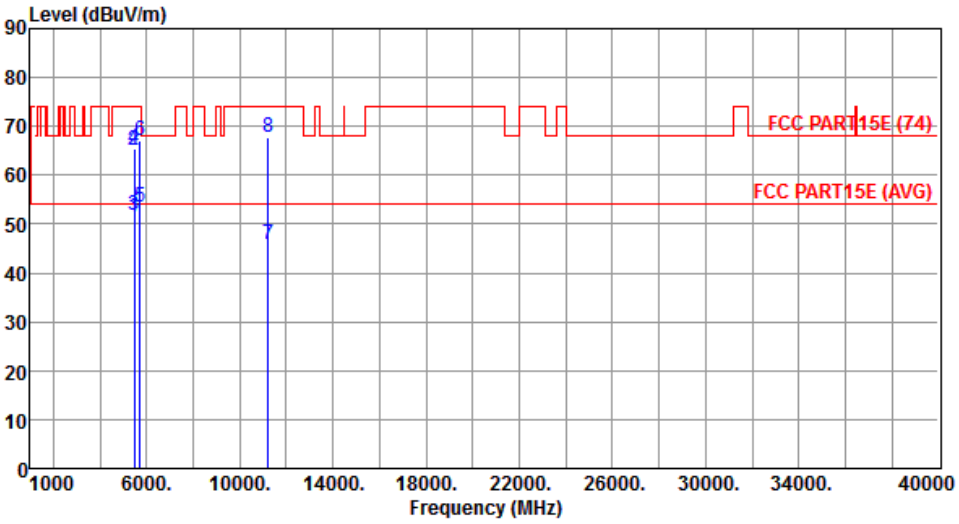
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	53.16	54.00	-0.84	47.51	5.65	Average	100	119
2	5460.00	73.75	74.00	-0.25	68.10	5.65	Peak	100	119
3	5470.00	53.50	54.00	-0.50	47.84	5.66	Average	100	119
4	5470.00	73.56	74.00	-0.44	67.90	5.66	Peak	100	119
5	11060.00	44.64	54.00	-9.36	30.13	14.51	Average	100	168
6	11060.00	59.82	74.00	-14.18	45.31	14.51	Peak	100	168

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

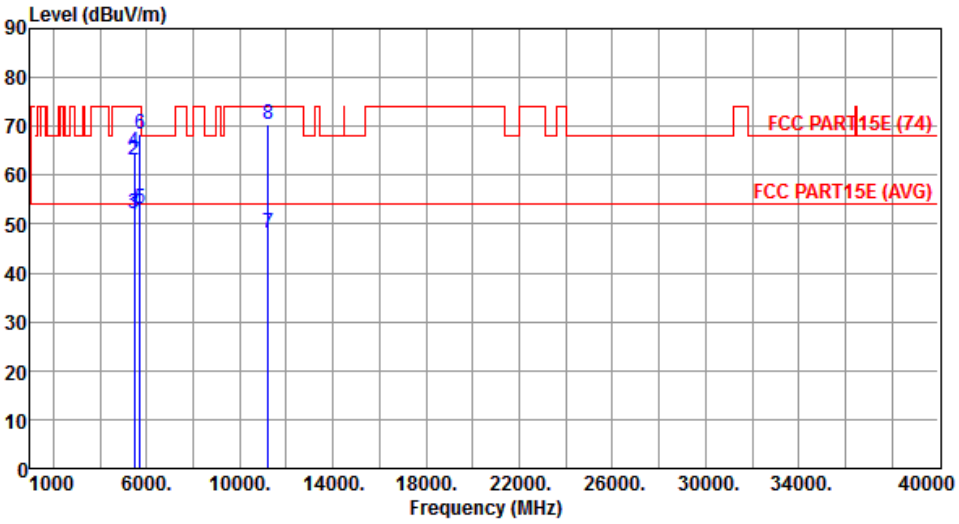
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	51.34	54.00	-2.66	45.69	5.65	Average	107	80
2	5460.00	65.20	74.00	-8.80	59.55	5.65	Peak	107	80
3	5470.00	51.79	54.00	-2.21	46.13	5.66	Average	107	80
4	5470.00	65.40	74.00	-8.60	59.74	5.66	Peak	107	80
5	5725.00	53.33	54.00	-0.67	47.34	5.99	Average	107	80
6	5725.00	67.24	74.00	-6.76	61.25	5.99	Peak	107	80
7	11220.00	45.70	54.00	-8.30	31.04	14.66	Average	352	106
8	11220.00	67.79	74.00	-6.21	53.13	14.66	Peak	352	106

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

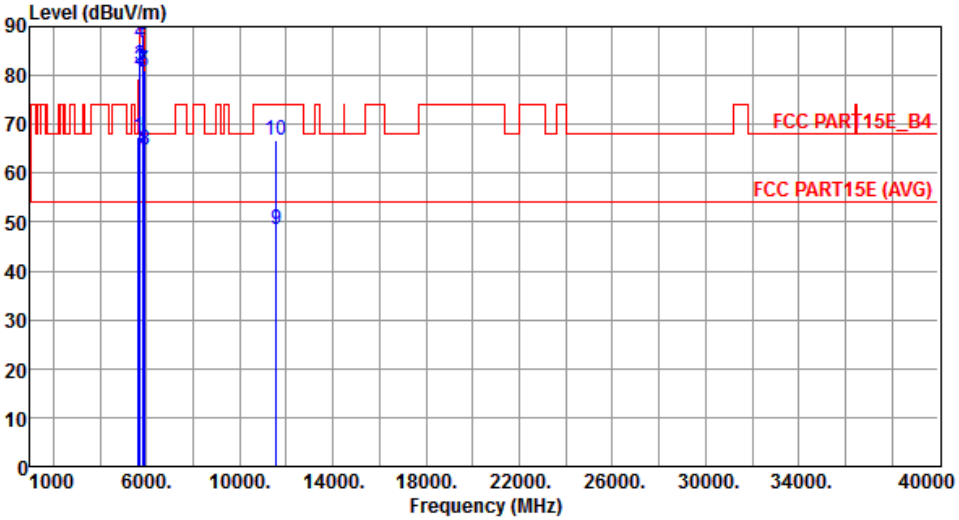
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	51.82	54.00	-2.18	46.17	5.65	Average	263	40
2	5460.00	63.23	74.00	-10.77	57.58	5.65	Peak	263	40
3	5470.00	52.21	54.00	-1.79	46.55	5.66	Average	263	40
4	5470.00	64.65	74.00	-9.35	58.99	5.66	Peak	263	40
5	5725.00	53.04	54.00	-0.96	47.05	5.99	Average	263	40
6	5725.00	68.37	74.00	-5.63	62.38	5.99	Peak	263	40
7	11220.00	48.20	54.00	-5.80	33.54	14.66	Average	192	191
8	11220.00	70.44	74.00	-3.56	55.78	14.66	Peak	192	191

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

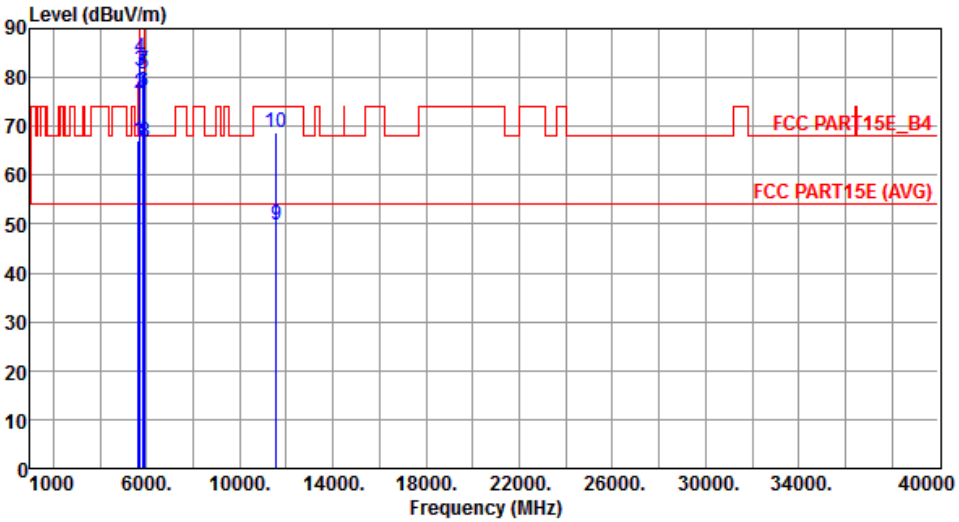
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	67.43	68.20	-0.77	61.56	5.87	Peak	104	54
2	5700.00	81.34	105.20	-23.86	75.38	5.96	Peak	104	54
3	5720.00	82.05	110.80	-28.75	76.07	5.98	Peak	104	54
4	5725.00	86.52	122.20	-35.68	80.53	5.99	Peak	104	54
5	5850.00	80.80	122.20	-41.40	74.63	6.17	Peak	104	54
6	5855.00	88.41	110.80	-22.39	82.23	6.18	Peak	104	54
7	5875.00	81.09	105.20	-24.11	74.89	6.20	Peak	104	54
8	5925.00	64.68	68.20	-3.52	58.42	6.26	Peak	104	54
9	11550.00	48.59	54.00	-5.41	33.78	14.81	Average	227	102
10	11550.00	66.61	74.00	-7.39	51.80	14.81	Peak	227	102

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		



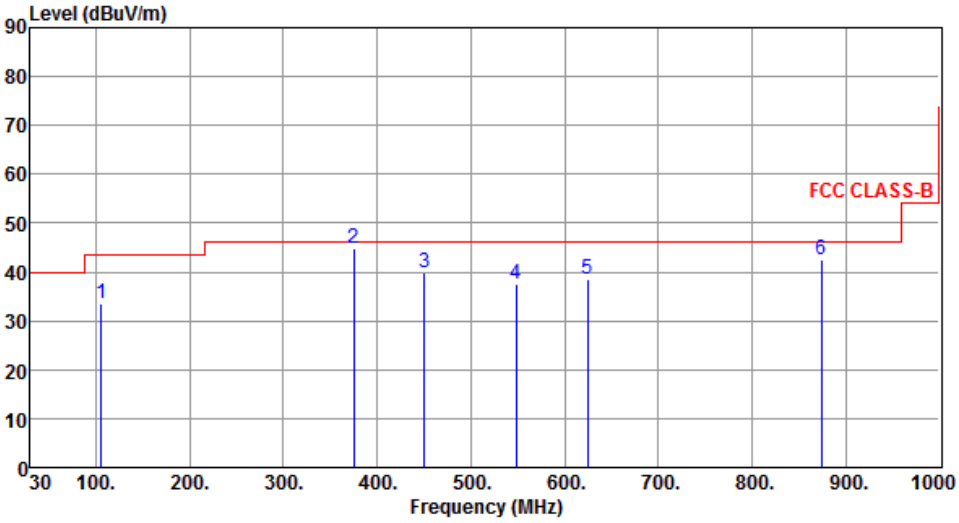
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	67.12	68.20	-1.08	61.25	5.87	Peak	253	37
2	5700.00	76.66	105.20	-28.54	70.70	5.96	Peak	253	37
3	5720.00	81.30	110.80	-29.50	75.32	5.98	Peak	253	37
4	5725.00	84.15	122.20	-38.05	78.16	5.99	Peak	253	37
5	5850.00	80.81	122.20	-41.39	74.64	6.17	Peak	253	37
6	5855.00	77.12	110.80	-33.68	70.94	6.18	Peak	253	37
7	5875.00	81.35	105.20	-23.85	75.15	6.20	Peak	253	37
8	5925.00	66.81	68.20	-1.39	60.55	6.26	Peak	253	37
9	11550.00	49.82	54.00	-4.18	35.01	14.81	Average	128	195
10	11550.00	68.90	74.00	-5.10	54.09	14.81	Peak	128	195

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

Model Name: Amulet 756Q
Non- beamforming mode

3.5.13 Transmitter Radiated Unwanted Emissions (Below 1GHz)

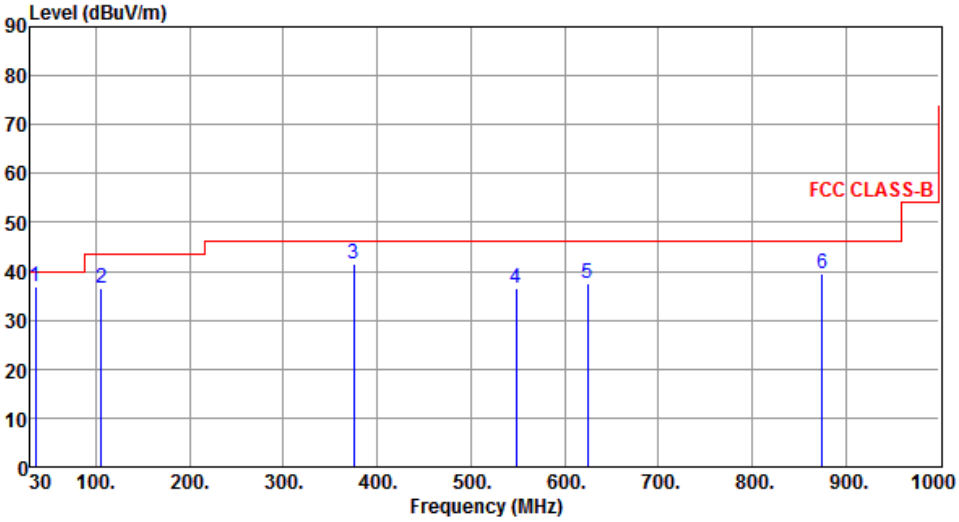
Modulation	VHT40	**Test Freq. (MHz)**	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.85	33.68	43.50	-9.82	46.22	-12.54	Peak	---	---
2	374.99	44.98	46.00	-1.02	50.94	-5.96	QP	100	141
3	450.38	39.85	46.00	-6.15	43.80	-3.95	Peak	---	---
4	548.36	37.59	46.00	-8.41	39.84	-2.25	Peak	---	---
5	624.47	38.61	46.00	-7.39	39.23	-0.62	Peak	---	---
6	874.27	42.42	46.00	-3.58	38.89	3.53	Peak	---	---

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

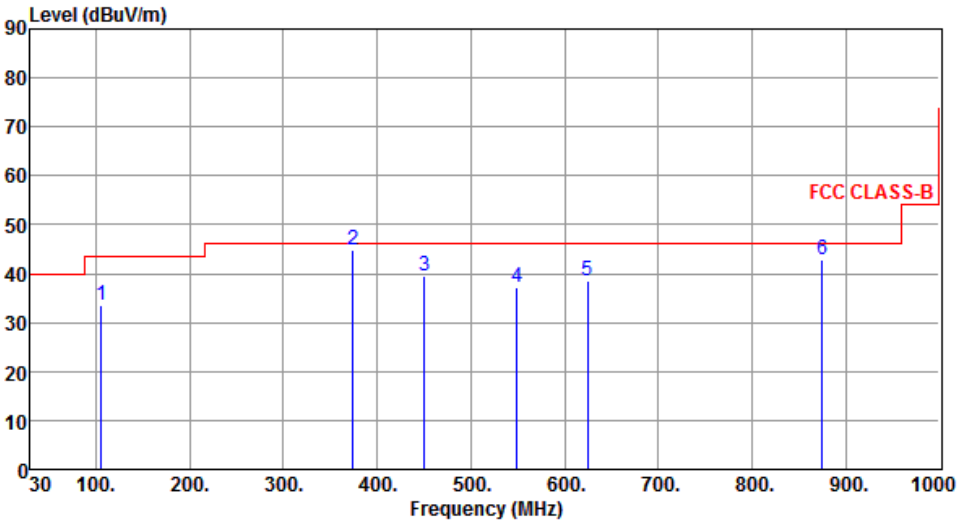
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	35.36	36.89	40.00	-3.11	46.10	-9.21	Peak	---	---
2	105.85	36.65	43.50	-6.85	49.19	-12.54	Peak	---	---
3	374.74	41.52	46.00	-4.48	47.49	-5.97	Peak	---	---
4	548.59	36.63	46.00	-9.37	38.88	-2.25	Peak	---	---
5	624.34	37.39	46.00	-8.61	38.02	-0.63	Peak	---	---
6	874.96	39.64	46.00	-6.36	36.10	3.54	Peak	---	---

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

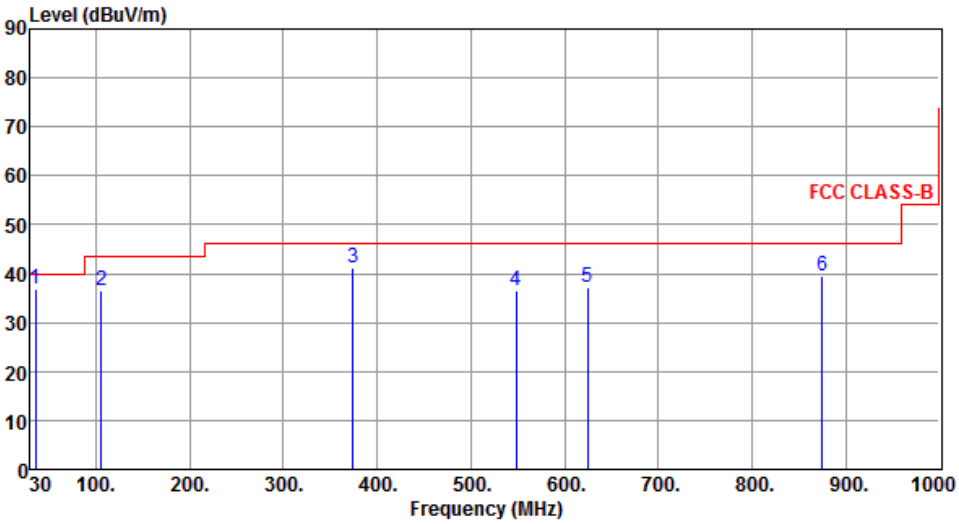
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.38	33.68	43.50	-9.82	46.30	-12.62	Peak	---	---
2	374.35	44.98	46.00	-1.02	50.96	-5.98	QP	100	125
3	450.26	39.44	46.00	-6.56	43.39	-3.95	Peak	---	---
4	548.86	37.21	46.00	-8.79	39.45	-2.24	Peak	---	---
5	624.79	38.66	46.00	-7.34	39.28	-0.62	Peak	---	---
6	874.98	42.79	46.00	-3.21	39.25	3.54	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

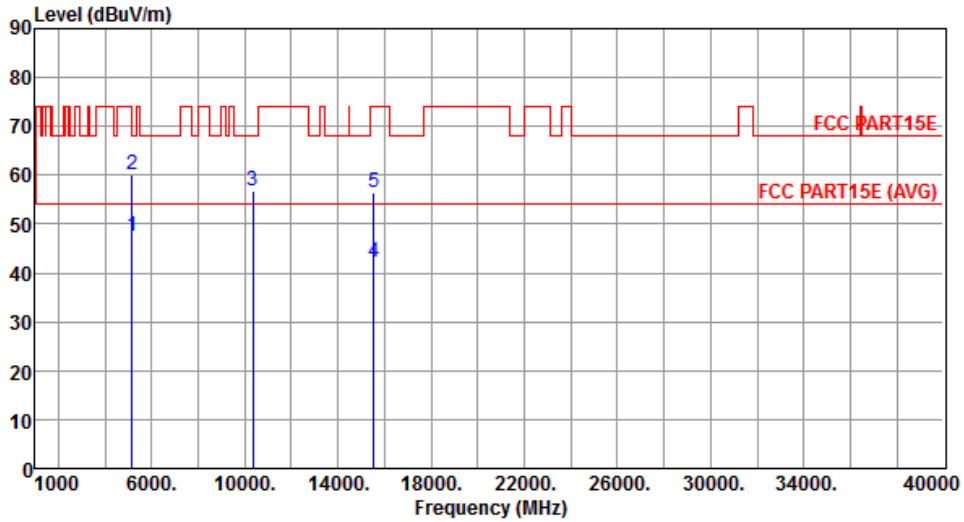


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	35.69	36.79	40.00	-3.21	45.96	-9.17	Peak	---	---
2	105.34	36.37	43.50	-7.13	48.99	-12.62	Peak	---	---
3	374.65	41.33	46.00	-4.67	47.30	-5.97	Peak	---	---
4	548.48	36.64	46.00	-9.36	38.89	-2.25	Peak	---	---
5	624.54	37.22	46.00	-8.78	37.84	-0.62	Peak	---	---
6	874.65	39.36	46.00	-6.64	35.82	3.54	Peak	---	---

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

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

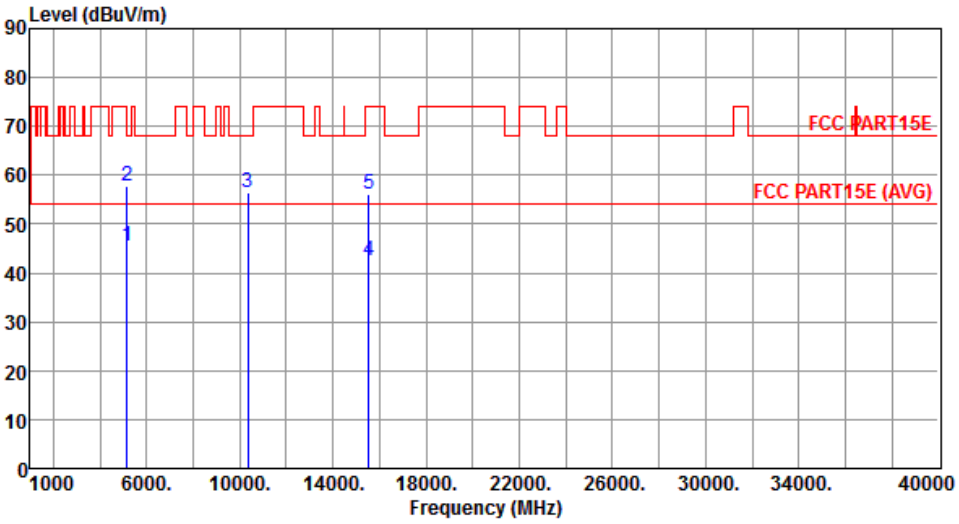
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		



	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	47.58	54.00	-6.42	42.56	5.02	Average	237	105
2	5150.00	60.23	74.00	-13.77	55.21	5.02	Peak	237	105
3	10360.00	56.82	68.20	-11.38	43.08	13.74	Peak	100	100
4	15540.00	42.18	54.00	-11.82	27.21	14.97	Average	100	183
5	15540.00	56.30	74.00	-17.70	41.33	14.97	Peak	100	183

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

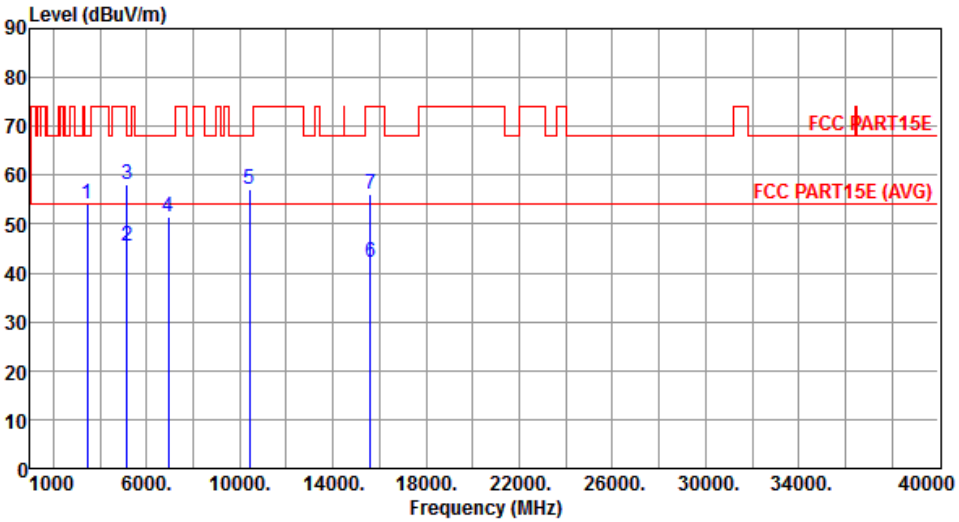
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		



	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	45.43	54.00	-8.57	40.41	5.02	Average	100	169
2	5150.00	57.81	74.00	-16.19	52.79	5.02	Peak	100	169
3	10360.00	56.35	68.20	-11.85	42.61	13.74	Peak	100	122
4	15540.00	42.55	54.00	-11.45	27.58	14.97	Average	100	163
5	15540.00	56.28	74.00	-17.72	41.31	14.97	Peak	100	163

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

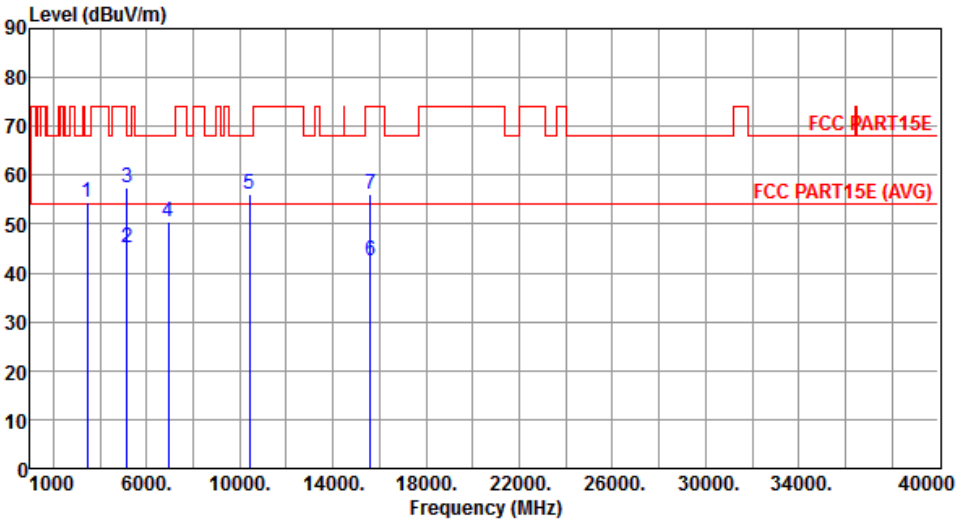
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.11	68.20	-14.09	53.25	0.86	Peak	100	122
2	5150.00	45.34	54.00	-8.66	40.32	5.02	Average	235	102
3	5150.00	58.20	74.00	-15.80	53.18	5.02	Peak	235	102
4	6933.33	51.39	68.20	-16.81	43.15	8.24	Peak	100	73
5	10400.00	57.15	68.20	-11.05	43.38	13.77	Peak	100	101
6	15600.00	42.27	54.00	-11.73	27.33	14.94	Average	100	145
7	15600.00	56.26	74.00	-17.74	41.32	14.94	Peak	100	145

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

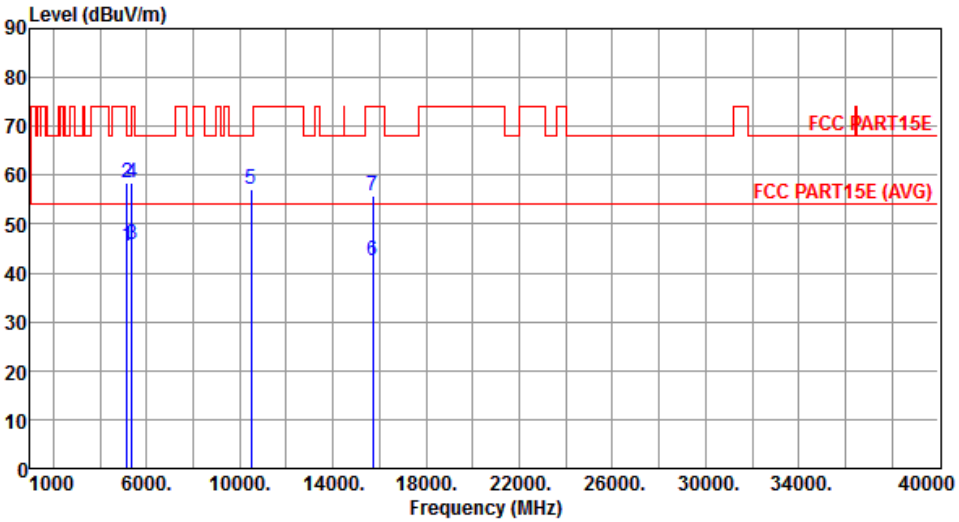
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.52	68.20	-13.68	53.66	0.86	Peak	166	263
2	5150.00	45.22	54.00	-8.78	40.20	5.02	Average	100	170
3	5150.00	57.47	74.00	-16.53	52.45	5.02	Peak	100	170
4	6933.33	50.56	68.20	-17.64	42.32	8.24	Peak	100	165
5	10400.00	56.21	68.20	-11.99	42.44	13.77	Peak	100	133
6	15600.00	42.50	54.00	-11.50	27.56	14.94	Average	100	182
7	15600.00	56.22	74.00	-17.78	41.28	14.94	Peak	100	182

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

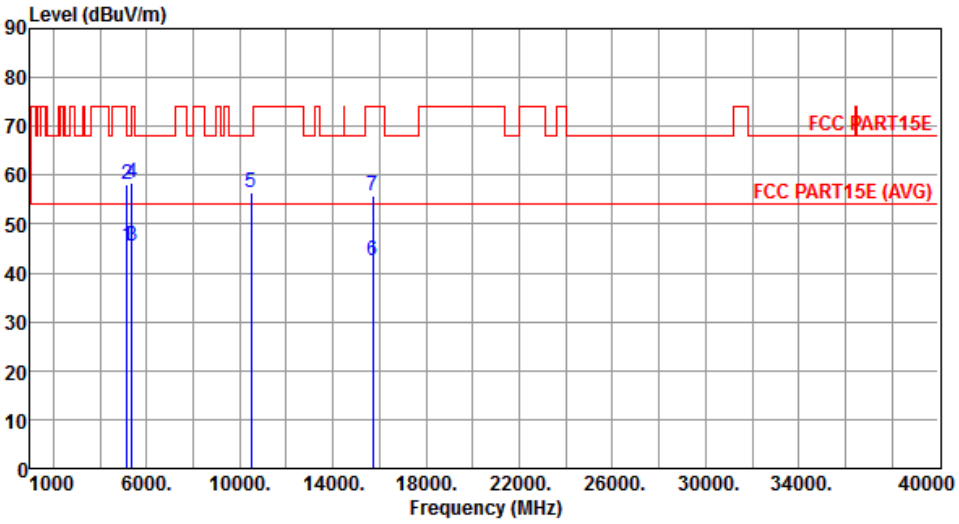
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		



	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	45.40	54.00	-8.60	40.38	5.02	Average	235	104
2	5150.00	58.40	74.00	-15.60	53.38	5.02	Peak	235	104
3	5350.00	45.75	54.00	-8.25	40.44	5.31	Average	235	104
4	5350.00	58.59	74.00	-15.41	53.28	5.31	Peak	235	104
5	10480.00	57.16	68.20	-11.04	43.35	13.81	Peak	100	98
6	15720.00	42.53	54.00	-11.47	27.62	14.91	Average	100	193
7	15720.00	55.95	74.00	-18.05	41.04	14.91	Peak	100	193

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

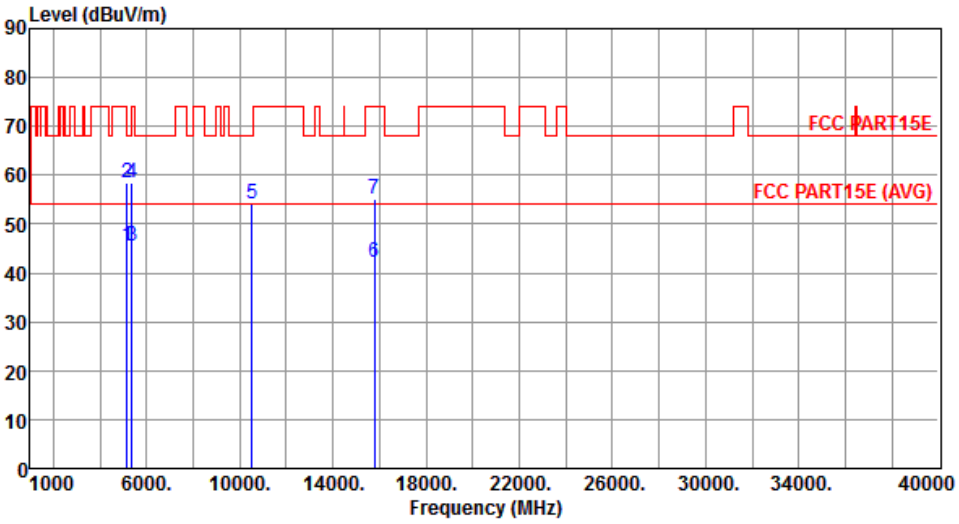
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		



	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	45.39	54.00	-8.61	40.37	5.02	Average	100	172
2	5150.00	58.20	74.00	-15.80	53.18	5.02	Peak	100	172
3	5350.00	45.59	54.00	-8.41	40.28	5.31	Average	100	172
4	5350.00	58.42	74.00	-15.58	53.11	5.31	Peak	100	172
5	10480.00	56.44	68.20	-11.76	42.63	13.81	Peak	100	128
6	15720.00	42.36	54.00	-11.64	27.45	14.91	Average	100	158
7	15720.00	55.72	74.00	-18.28	40.81	14.91	Peak	100	158

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

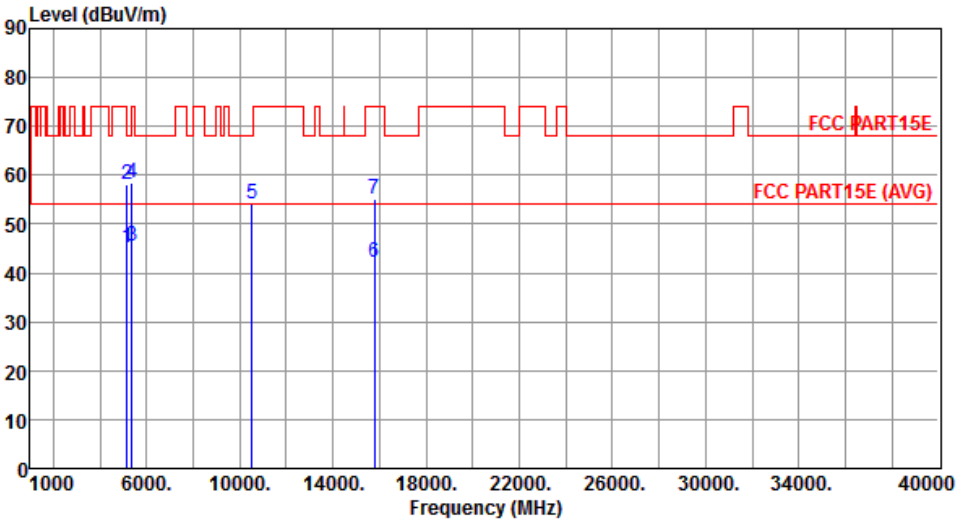
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	45.45	54.00	-8.55	40.43	5.02	Average	240	109
2	5150.00	58.33	74.00	-15.67	53.31	5.02	Peak	240	109
3	5350.00	45.59	54.00	-8.41	40.28	5.31	Average	240	109
4	5350.00	58.53	74.00	-15.47	53.22	5.31	Peak	240	109
5	10520.00	54.19	68.20	-14.01	40.35	13.84	Peak	100	100
6	15780.00	42.14	54.00	-11.86	27.27	14.87	Average	100	132
7	15780.00	55.19	74.00	-18.81	40.32	14.87	Peak	100	132

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

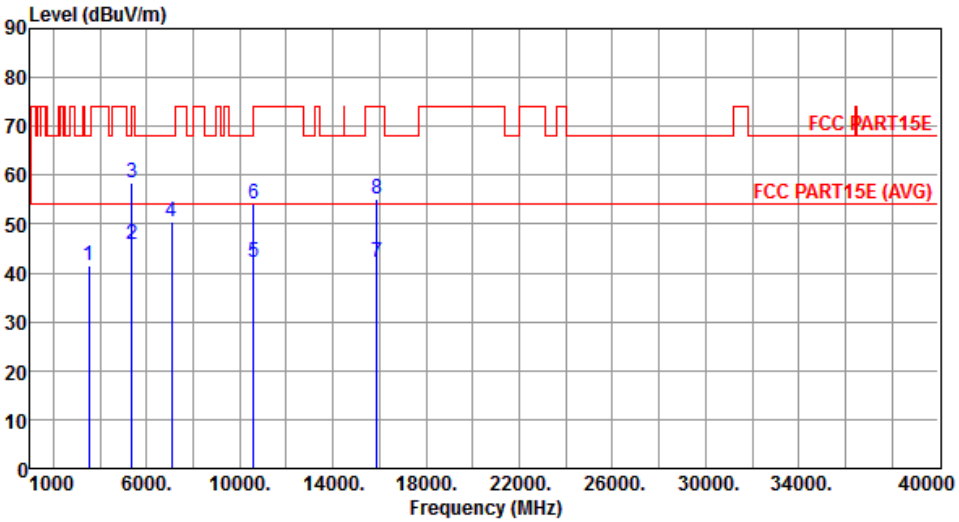
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		



	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	45.07	54.00	-8.93	40.05	5.02	Average	100	310
2	5150.00	58.23	74.00	-15.77	53.21	5.02	Peak	100	310
3	5350.00	45.44	54.00	-8.56	40.13	5.31	Average	100	310
4	5350.00	58.46	74.00	-15.54	53.15	5.31	Peak	100	310
5	10520.00	54.12	68.20	-14.08	40.28	13.84	Peak	100	71
6	15780.00	42.22	54.00	-11.78	27.35	14.87	Average	100	172
7	15780.00	55.13	74.00	-18.87	40.26	14.87	Peak	100	172

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

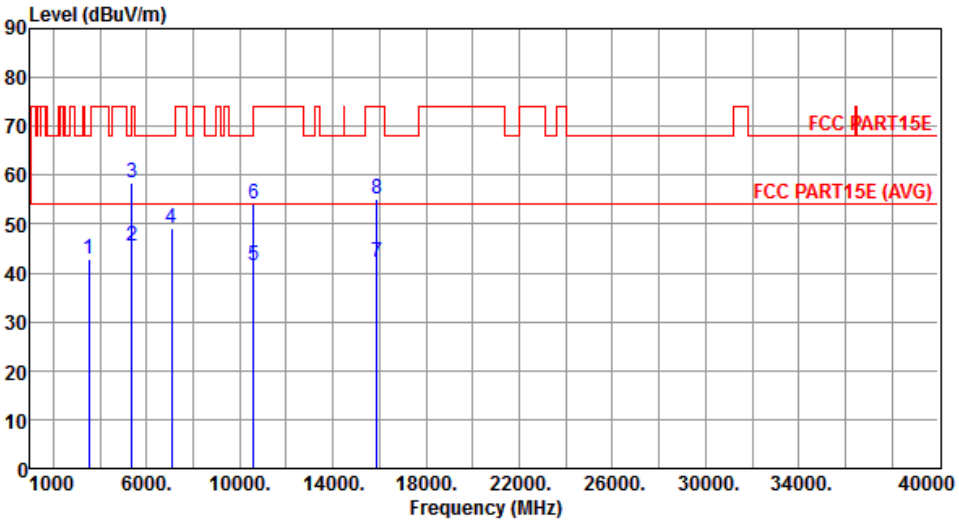
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	41.55	68.20	-26.65	40.53	1.02	Peak	100	165
2	5350.00	45.69	54.00	-8.31	40.38	5.31	Average	240	109
3	5350.00	58.52	74.00	-15.48	53.21	5.31	Peak	240	109
4	7066.66	50.46	68.20	-17.74	42.07	8.39	Peak	100	87
5	10600.00	42.26	54.00	-11.74	28.34	13.92	Average	100	102
6	10600.00	54.29	74.00	-19.71	40.37	13.92	Peak	100	102
7	15900.00	42.19	54.00	-11.81	27.35	14.84	Average	100	139
8	15900.00	55.02	74.00	-18.98	40.18	14.84	Peak	100	139

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

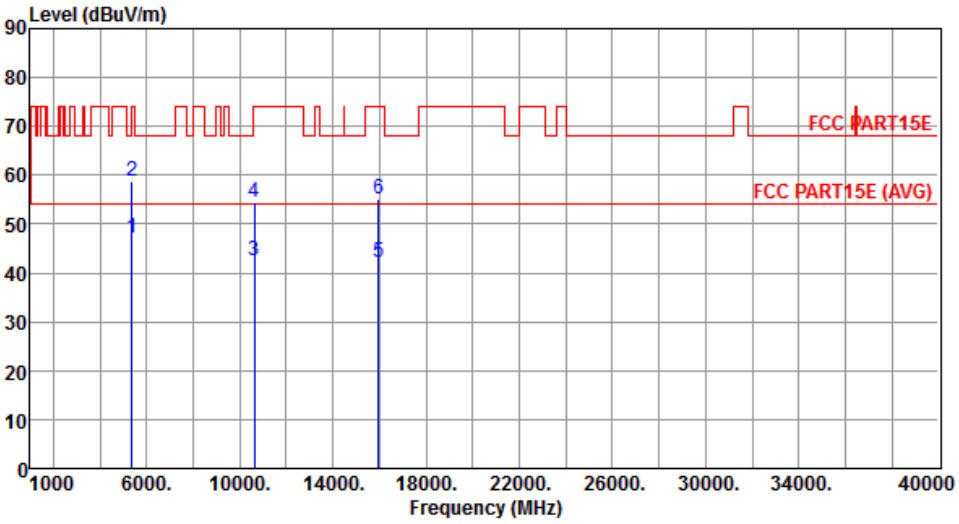
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	42.99	68.20	-25.21	41.97	1.02	Peak	100	264
2	5350.00	45.47	54.00	-8.53	40.16	5.31	Average	100	308
3	5350.00	58.47	74.00	-15.53	53.16	5.31	Peak	100	308
4	7066.66	49.26	68.20	-18.94	40.87	8.39	Peak	100	78
5	10600.00	41.64	54.00	-12.36	27.72	13.92	Average	100	63
6	10600.00	54.27	74.00	-19.73	40.35	13.92	Peak	100	63
7	15900.00	42.33	54.00	-11.67	27.49	14.84	Average	100	173
8	15900.00	55.17	74.00	-18.83	40.33	14.84	Peak	100	173

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

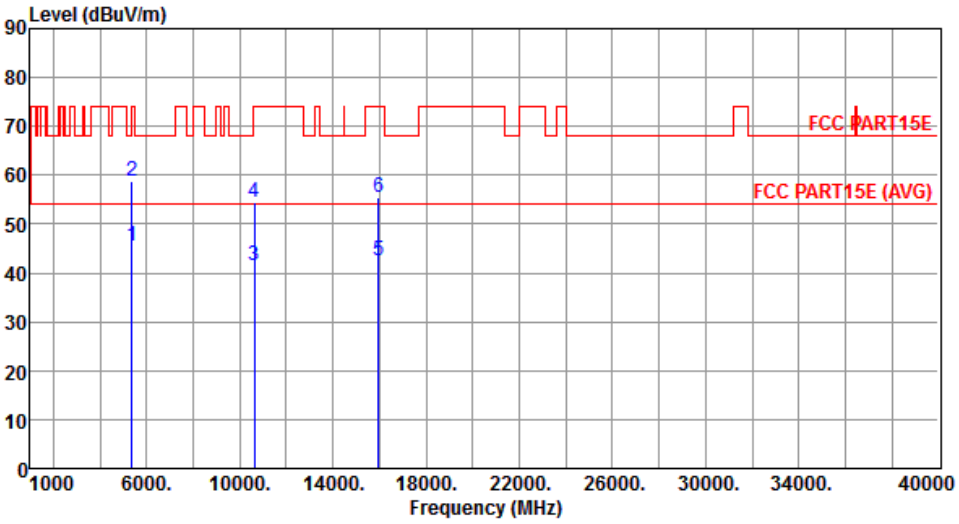
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.24	54.00	-6.76	41.93	5.31	Average	242	108
2	5350.00	58.94	74.00	-15.06	53.63	5.31	Peak	242	108
3	10640.00	42.36	54.00	-11.64	28.40	13.96	Average	100	99
4	10640.00	54.38	74.00	-19.62	40.42	13.96	Peak	100	99
5	15960.00	42.06	54.00	-11.94	27.25	14.81	Average	100	144
6	15960.00	55.16	74.00	-18.84	40.35	14.81	Peak	100	144

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

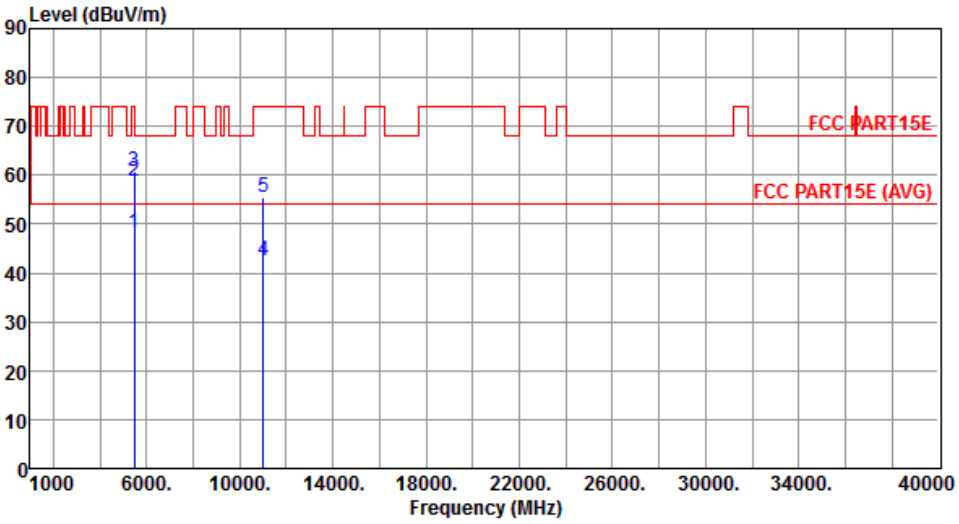
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.56	54.00	-8.44	40.25	5.31	Average	100	311
2	5350.00	58.62	74.00	-15.38	53.31	5.31	Peak	100	311
3	10640.00	41.54	54.00	-12.46	27.58	13.96	Average	100	65
4	10640.00	54.39	74.00	-19.61	40.43	13.96	Peak	100	65
5	15960.00	42.37	54.00	-11.63	27.56	14.81	Average	100	168
6	15960.00	55.33	74.00	-18.67	40.52	14.81	Peak	100	168

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

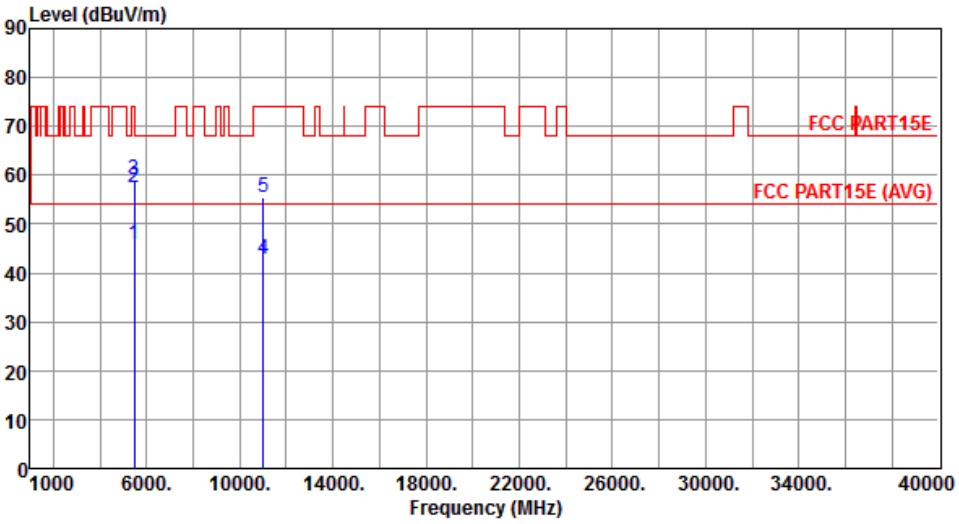
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.00	54.00	-6.00	42.54	5.46	Average	245	86
2	5460.00	58.67	74.00	-15.33	53.21	5.46	Peak	245	86
3	5470.00	60.70	68.20	-7.50	55.23	5.47	Peak	245	86
4	11000.00	42.51	54.00	-11.49	28.21	14.30	Average	100	163
5	11000.00	55.35	74.00	-18.65	41.05	14.30	Peak	100	163

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

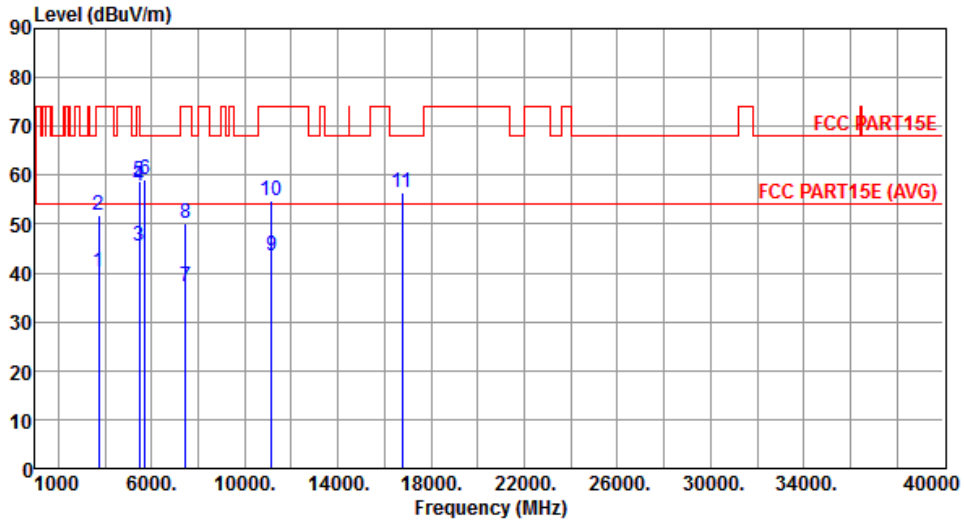
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.71	54.00	-8.29	40.25	5.46	Average	100	354
2	5460.00	57.59	74.00	-16.41	52.13	5.46	Peak	100	354
3	5470.00	59.00	68.20	-9.20	53.53	5.47	Peak	100	354
4	11000.00	42.75	54.00	-11.25	28.45	14.30	Average	100	163
5	11000.00	55.61	74.00	-18.39	41.31	14.30	Peak	100	163

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

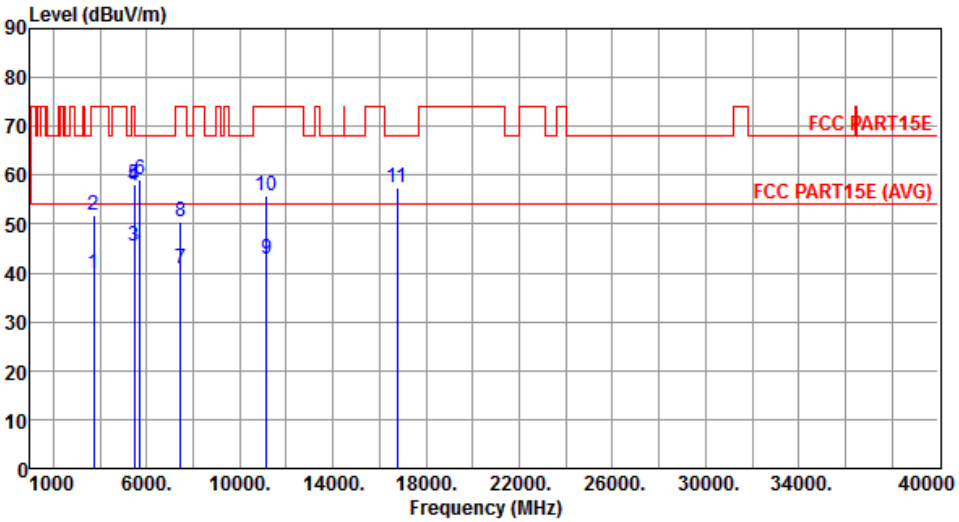
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.11	54.00	-13.89	38.51	1.60	Average	100	123
2	3720.00	51.72	74.00	-22.28	50.12	1.60	Peak	100	123
3	5460.00	45.58	54.00	-8.42	40.12	5.46	Average	226	89
4	5460.00	57.91	74.00	-16.09	52.45	5.46	Peak	226	89
5	5470.00	58.75	68.20	-9.45	53.28	5.47	Peak	226	89
6	5725.00	59.12	68.20	-9.08	53.31	5.81	Peak	226	89
7	7440.00	37.13	54.00	-16.87	27.63	9.50	Average	100	263
8	7440.00	50.03	74.00	-23.97	40.53	9.50	Peak	100	263
9	11160.00	43.49	54.00	-10.51	29.05	14.44	Average	219	100
10	11160.00	54.89	74.00	-19.11	40.45	14.44	Peak	219	100
11	16740.00	56.51	68.20	-11.69	40.54	15.97	Peak	100	163

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

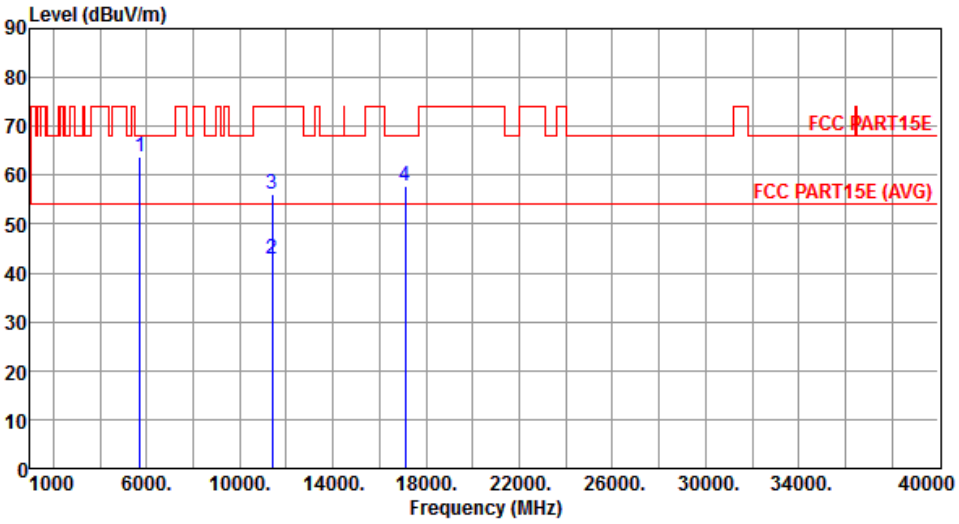
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	39.90	54.00	-14.10	38.30	1.60	Average	100	166
2	3720.00	51.85	74.00	-22.15	50.25	1.60	Peak	100	166
3	5460.00	45.59	54.00	-8.41	40.13	5.46	Average	100	354
4	5460.00	57.71	74.00	-16.29	52.25	5.46	Peak	100	354
5	5470.00	58.00	68.20	-10.20	52.53	5.47	Peak	100	354
6	5725.00	59.12	68.20	-9.08	53.31	5.81	Peak	100	354
7	7440.00	40.94	54.00	-13.06	31.44	9.50	Average	100	119
8	7440.00	50.55	74.00	-23.45	41.05	9.50	Peak	100	119
9	11160.00	42.79	54.00	-11.21	28.35	14.44	Average	100	119
10	11160.00	55.85	74.00	-18.15	41.41	14.44	Peak	100	119
11	16740.00	57.32	68.20	-10.88	41.35	15.97	Peak	100	138

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

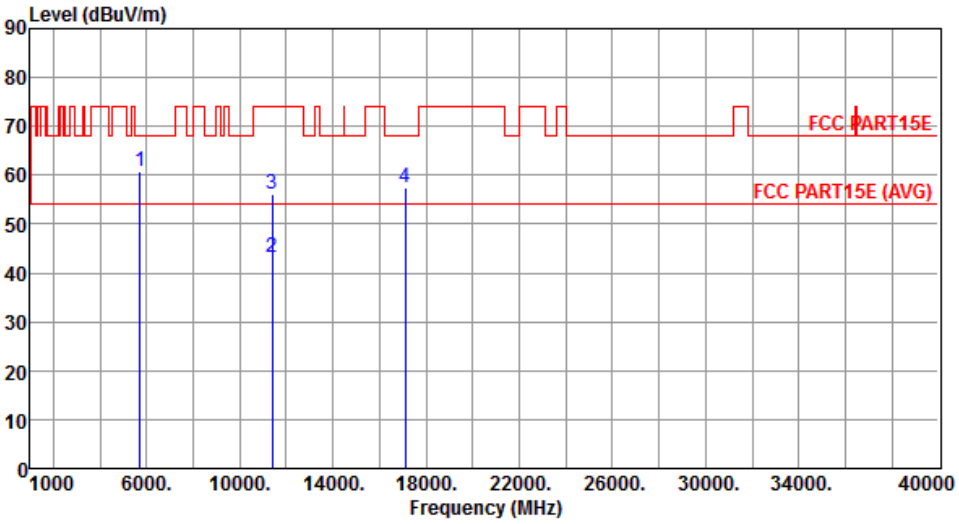
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	63.91	68.20	-4.29	58.10	5.81	Peak	235	83
2	11400.00	42.89	54.00	-11.11	28.24	14.65	Average	100	202
3	11400.00	55.98	74.00	-18.02	41.33	14.65	Peak	100	202
4	17100.00	57.76	68.20	-10.44	41.25	16.51	Peak	100	149

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

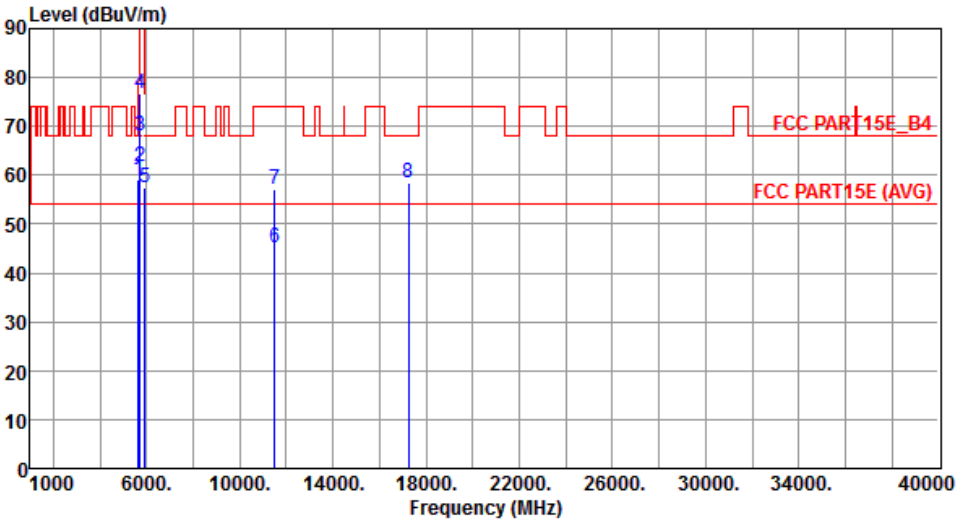
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.88	68.20	-7.32	55.07	5.81	Peak	100	344
2	11400.00	43.18	54.00	-10.82	28.53	14.65	Average	100	168
3	11400.00	55.96	74.00	-18.04	41.31	14.65	Peak	100	168
4	17100.00	57.56	68.20	-10.64	41.05	16.51	Peak	100	193

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

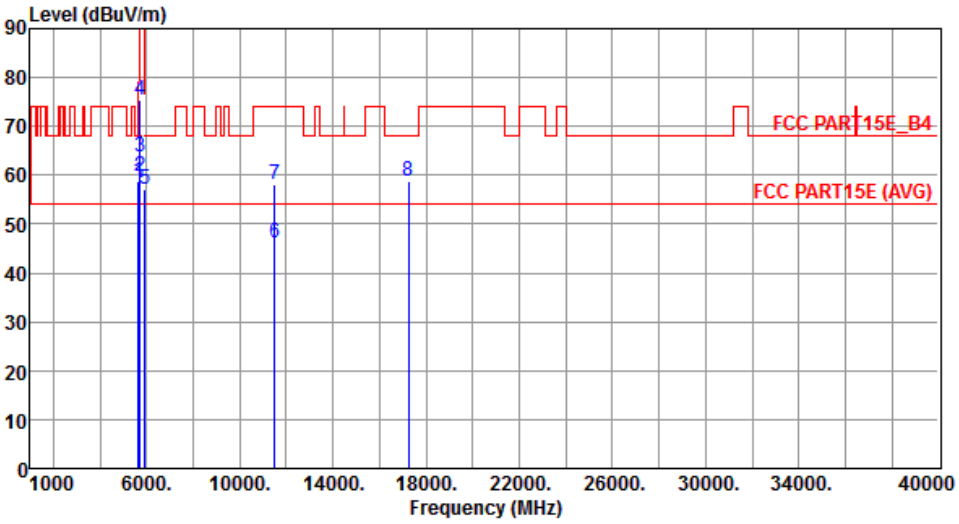
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.00	68.20	-9.20	53.31	5.69	Peak	224	87
2	5700.00	61.67	105.20	-43.53	55.90	5.77	Peak	224	87
3	5720.00	68.05	110.80	-42.75	62.26	5.79	Peak	224	87
4	5725.00	76.66	122.20	-45.54	70.85	5.81	Peak	224	87
5	5925.00	57.38	68.20	-10.82	51.29	6.09	Peak	224	87
6	11490.00	45.06	54.00	-8.94	30.33	14.73	Average	100	125
7	11490.00	57.15	74.00	-16.85	42.42	14.73	Peak	100	125
8	17235.00	58.38	68.20	-9.82	41.31	17.07	Peak	100	165

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

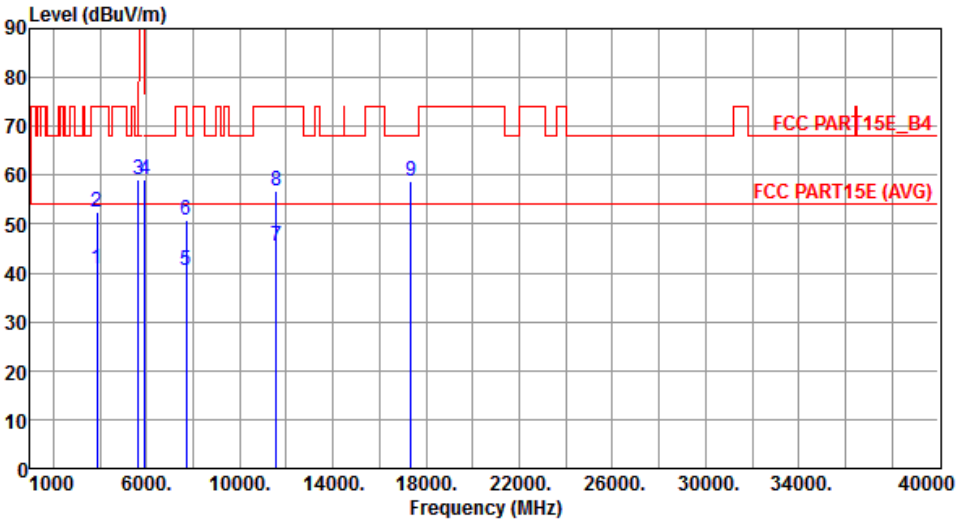
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.90	68.20	-9.30	53.21	5.69	Peak	271	157
2	5700.00	59.82	105.20	-45.38	54.05	5.77	Peak	271	157
3	5720.00	63.70	110.80	-47.10	57.91	5.79	Peak	271	157
4	5725.00	75.31	122.20	-46.89	69.50	5.81	Peak	271	157
5	5925.00	57.21	68.20	-10.99	51.12	6.09	Peak	271	157
6	11490.00	46.31	54.00	-7.69	31.58	14.73	Average	100	110
7	11490.00	58.22	74.00	-15.78	43.49	14.73	Peak	100	110
8	17235.00	58.89	68.20	-9.31	41.82	17.07	Peak	100	193

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

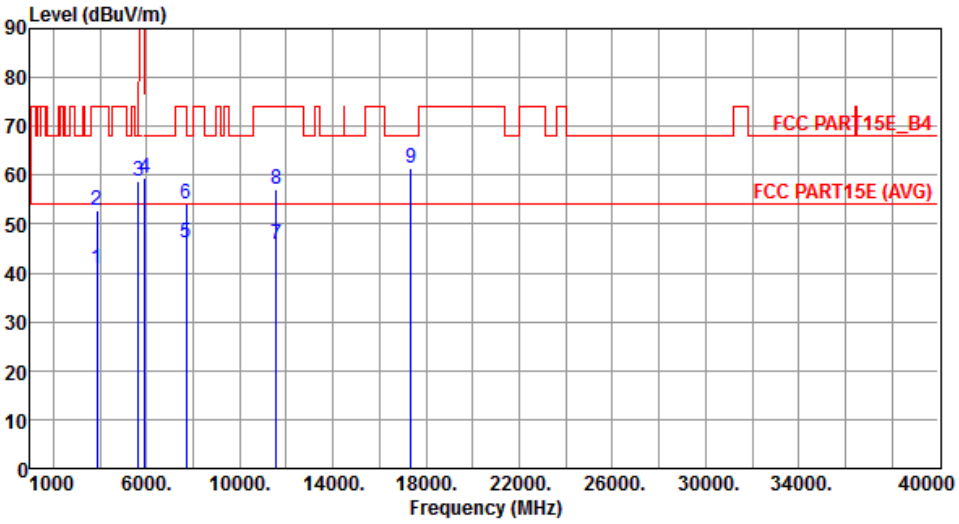
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.80	54.00	-13.20	38.75	2.05	Average	100	122
2	3856.66	52.33	74.00	-21.67	50.28	2.05	Peak	100	122
3	5650.00	59.01	68.20	-9.19	53.32	5.69	Peak	225	82
4	5925.00	59.23	68.20	-8.97	53.14	6.09	Peak	225	82
5	7713.33	40.57	54.00	-13.43	30.90	9.67	Average	100	339
6	7713.33	50.97	74.00	-23.03	41.30	9.67	Peak	100	339
7	11570.00	45.47	54.00	-8.53	30.87	14.60	Average	100	125
8	11570.00	56.72	74.00	-17.28	42.12	14.60	Peak	100	125
9	17355.00	58.79	68.20	-9.41	41.24	17.55	Peak	100	163

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

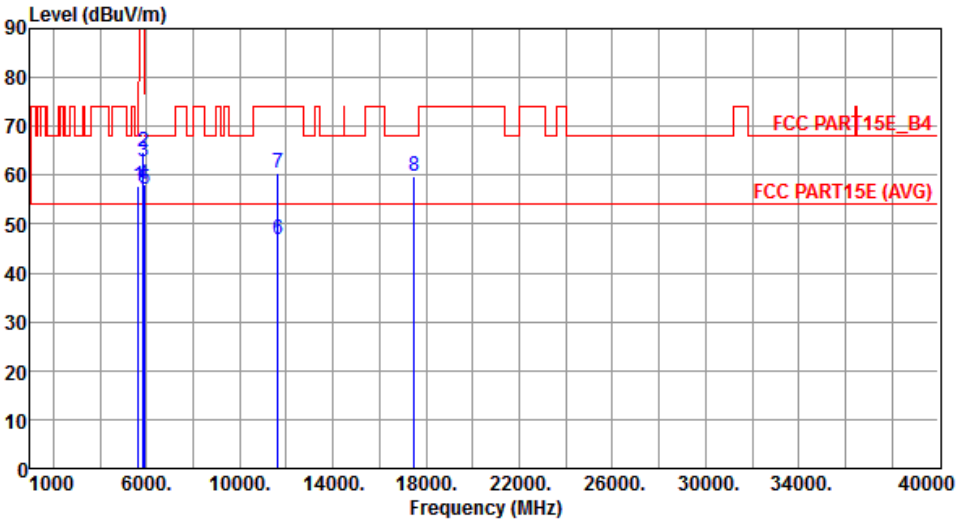
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.95	54.00	-13.05	38.90	2.05	Average	100	335
2	3856.66	52.69	74.00	-21.31	50.64	2.05	Peak	100	335
3	5650.00	58.84	68.20	-9.36	53.15	5.69	Peak	270	44
4	5925.00	59.39	68.20	-8.81	53.30	6.09	Peak	270	44
5	7713.33	46.20	54.00	-7.80	36.53	9.67	Average	193	115
6	7713.33	54.15	74.00	-19.85	44.48	9.67	Peak	193	115
7	11570.00	45.93	54.00	-8.07	31.33	14.60	Average	100	111
8	11570.00	57.00	74.00	-17.00	42.40	14.60	Peak	100	111
9	17355.00	61.29	68.20	-6.91	43.74	17.55	Peak	100	111

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

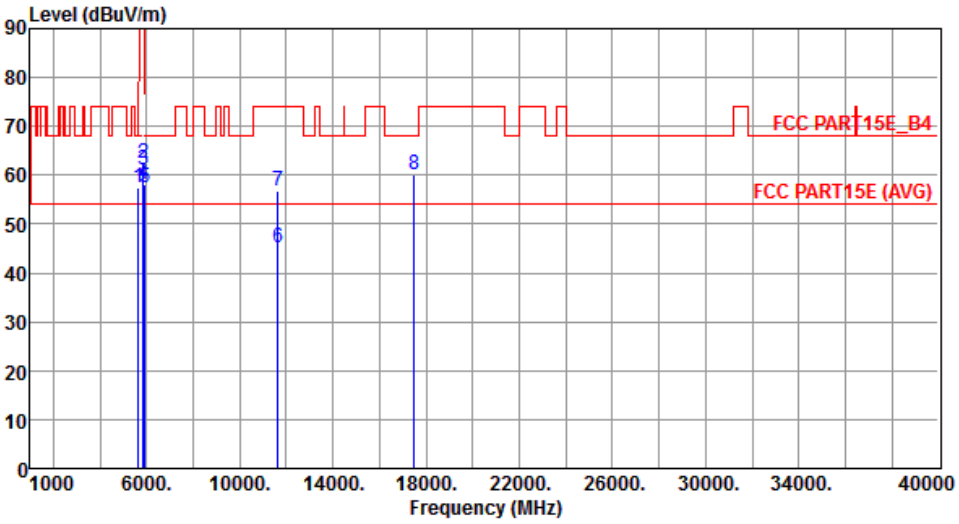
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	57.94	68.20	-10.26	52.25	5.69	Peak	224	87
2	5850.00	64.72	122.20	-57.48	58.73	5.99	Peak	224	87
3	5855.00	62.68	110.80	-48.12	56.68	6.00	Peak	224	87
4	5875.00	58.17	105.20	-47.03	52.15	6.02	Peak	224	87
5	5925.00	57.21	68.20	-10.99	51.12	6.09	Peak	224	87
6	11650.00	46.67	54.00	-7.33	32.23	14.44	Average	100	128
7	11650.00	60.30	74.00	-13.70	45.86	14.44	Peak	100	128
8	17475.00	59.86	68.20	-8.34	41.82	18.04	Peak	100	165

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

Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		

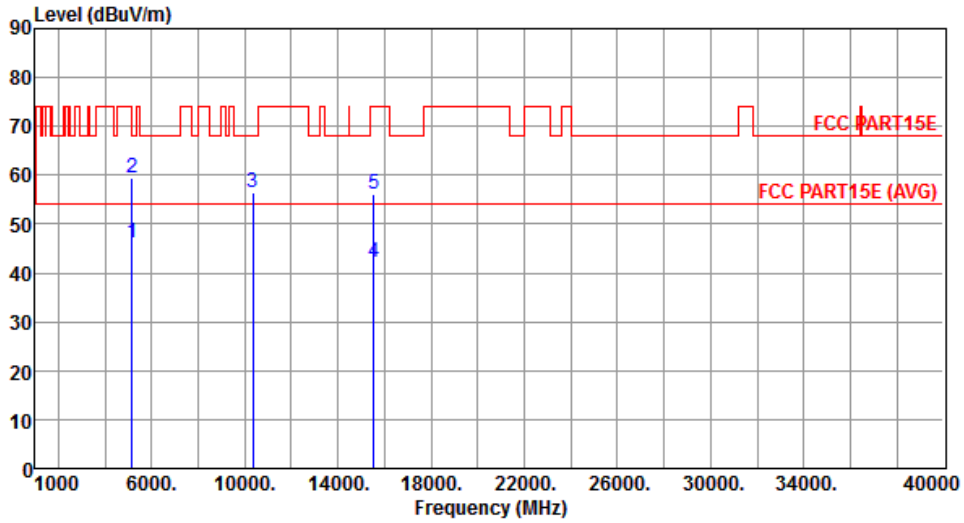


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	57.40	68.20	-10.80	51.71	5.69	Peak	270	161
2	5850.00	62.35	122.20	-59.85	56.36	5.99	Peak	270	161
3	5855.00	61.12	110.80	-49.68	55.12	6.00	Peak	270	161
4	5875.00	58.10	105.20	-47.10	52.08	6.02	Peak	270	161
5	5925.00	57.45	68.20	-10.75	51.36	6.09	Peak	270	161
6	11650.00	45.22	54.00	-8.78	30.78	14.44	Average	100	156
7	11650.00	56.69	74.00	-17.31	42.25	14.44	Peak	100	156
8	17475.00	60.24	68.20	-7.96	42.20	18.04	Peak	100	138

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

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

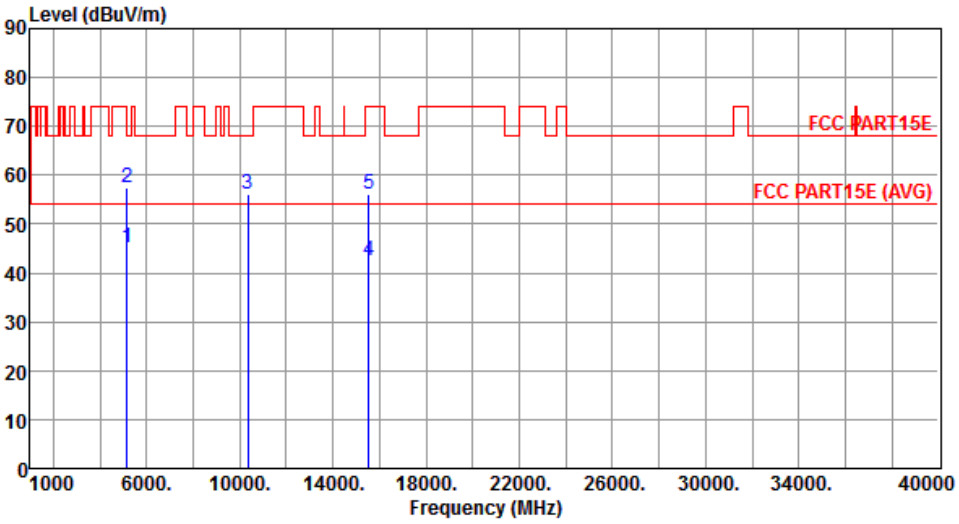
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.25	54.00	-7.75	41.23	5.02	Average	236	104
2	5150.00	59.45	74.00	-14.55	54.43	5.02	Peak	236	104
3	10360.00	56.60	68.20	-11.60	42.86	13.74	Peak	100	98
4	15540.00	42.28	54.00	-11.72	27.31	14.97	Average	100	185
5	15540.00	56.20	74.00	-17.80	41.23	14.97	Peak	100	185

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

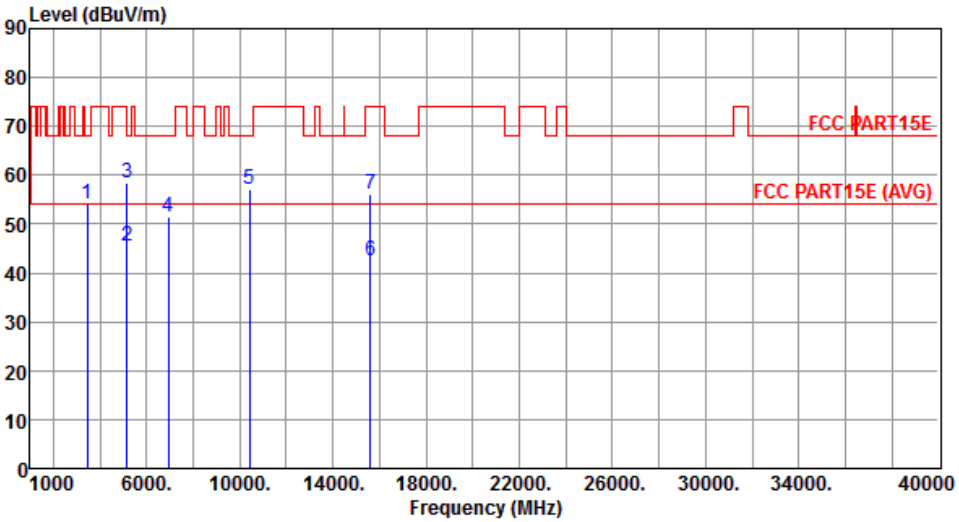
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Vertical		



	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	45.27	54.00	-8.73	40.25	5.02	Average	100	172
2	5150.00	57.46	74.00	-16.54	52.44	5.02	Peak	100	172
3	10360.00	56.28	68.20	-11.92	42.54	13.74	Peak	100	121
4	15540.00	42.52	54.00	-11.48	27.55	14.97	Average	100	161
5	15540.00	56.13	74.00	-17.87	41.16	14.97	Peak	100	161

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

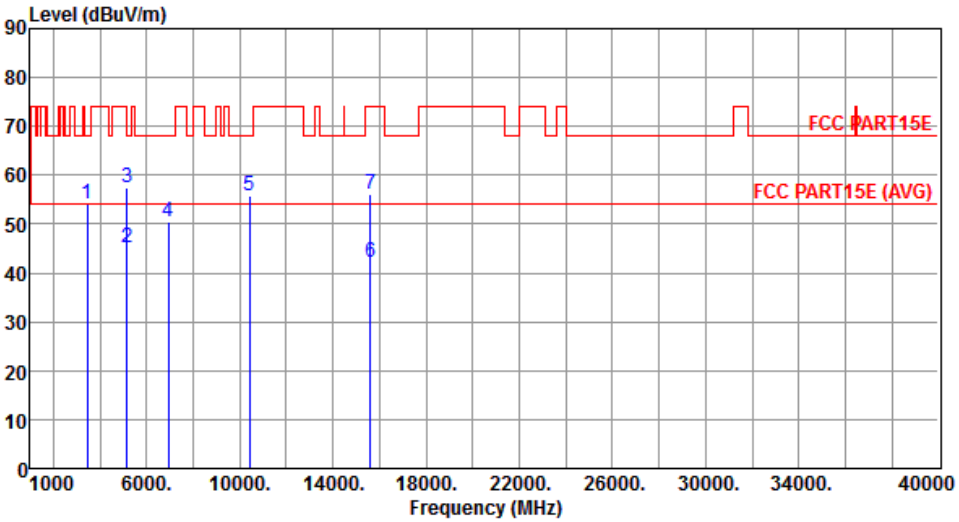
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.01	68.20	-14.19	53.15	0.86	Peak	100	120
2	5150.00	45.44	54.00	-8.56	40.42	5.02	Average	231	101
3	5150.00	58.33	74.00	-15.67	53.31	5.02	Peak	231	101
4	6933.33	51.49	68.20	-16.71	43.25	8.24	Peak	100	75
5	10400.00	57.28	68.20	-10.92	43.51	13.77	Peak	100	103
6	15600.00	42.37	54.00	-11.63	27.43	14.94	Average	100	133
7	15600.00	56.18	74.00	-17.82	41.24	14.94	Peak	100	133

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

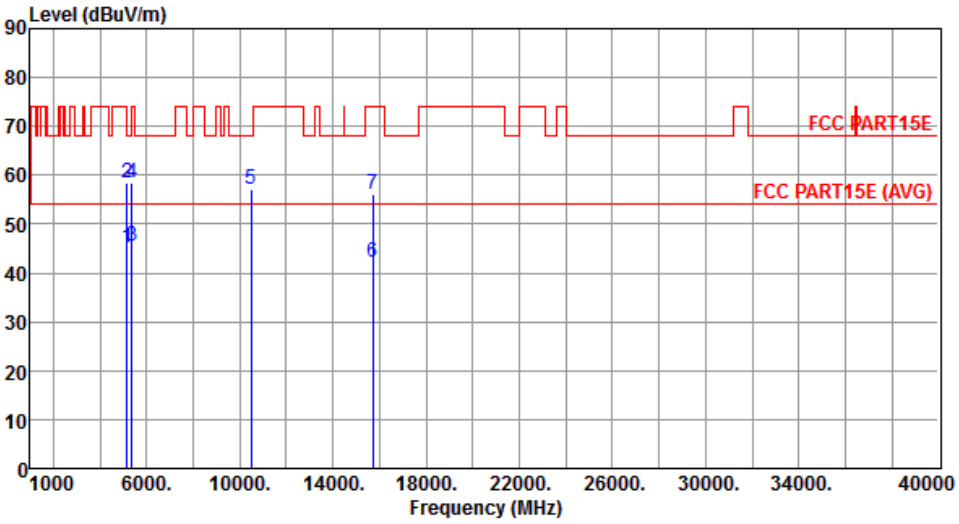
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	54.14	68.20	-14.06	53.28	0.86	Peak	162	260
2	5150.00	45.14	54.00	-8.86	40.12	5.02	Average	100	165
3	5150.00	57.30	74.00	-16.70	52.28	5.02	Peak	100	165
4	6933.33	50.40	68.20	-17.80	42.16	8.24	Peak	100	132
5	10400.00	55.93	68.20	-12.27	42.16	13.77	Peak	100	143
6	15600.00	42.22	54.00	-11.78	27.28	14.94	Average	100	173
7	15600.00	56.07	74.00	-17.93	41.13	14.94	Peak	100	173

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

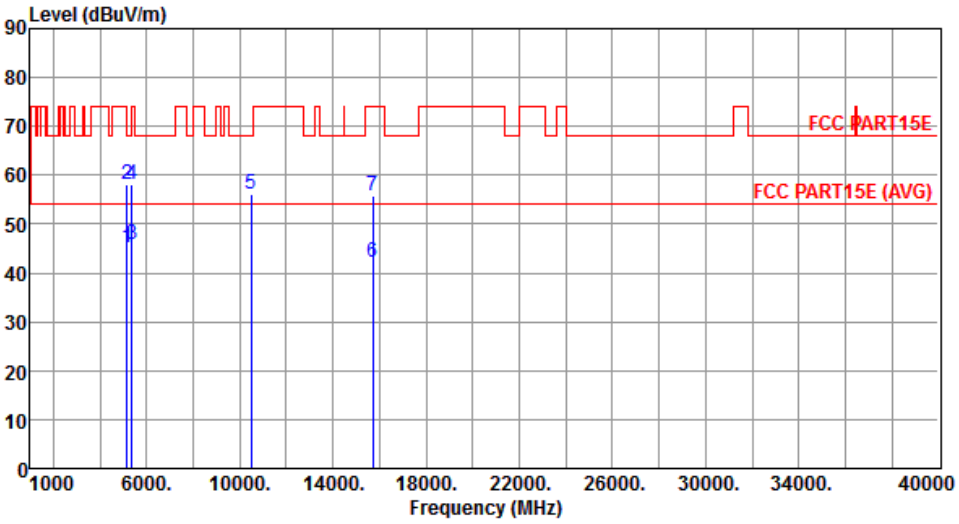
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.31	54.00	-8.69	40.29	5.02	Average	231	105
2	5150.00	58.29	74.00	-15.71	53.27	5.02	Peak	231	105
3	5350.00	45.56	54.00	-8.44	40.25	5.31	Average	231	105
4	5350.00	58.49	74.00	-15.51	53.18	5.31	Peak	231	105
5	10480.00	57.23	68.20	-10.97	43.42	13.81	Peak	100	95
6	15720.00	42.25	54.00	-11.75	27.34	14.91	Average	100	183
7	15720.00	56.17	74.00	-17.83	41.26	14.91	Peak	100	183

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

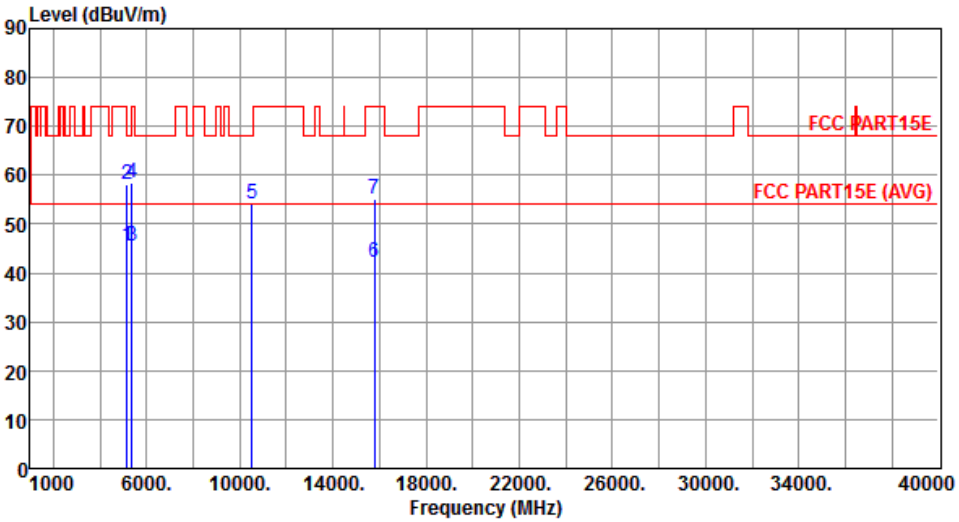
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		



	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	45.30	54.00	-8.70	40.28	5.02	Average	100	170
2	5150.00	58.27	74.00	-15.73	53.25	5.02	Peak	100	170
3	5350.00	45.73	54.00	-8.27	40.42	5.31	Average	100	170
4	5350.00	57.99	74.00	-16.01	52.68	5.31	Peak	100	170
5	10480.00	56.19	68.20	-12.01	42.38	13.81	Peak	100	136
6	15720.00	42.16	54.00	-11.84	27.25	14.91	Average	100	155
7	15720.00	55.63	74.00	-18.37	40.72	14.91	Peak	100	155

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

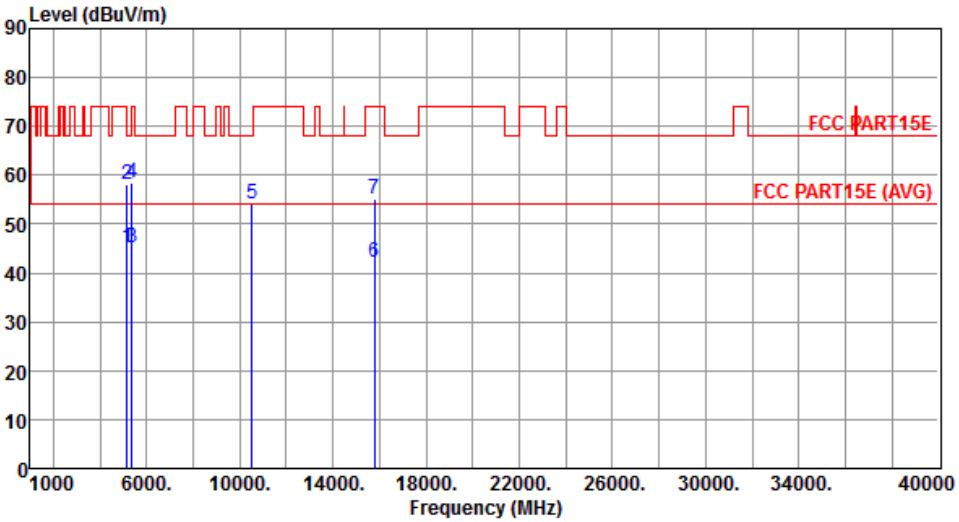
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	45.36	54.00	-8.64	40.34	5.02	Average	169	272
2	5150.00	58.21	74.00	-15.79	53.19	5.02	Peak	169	272
3	5350.00	45.44	54.00	-8.56	40.13	5.31	Average	169	272
4	5350.00	58.41	74.00	-15.59	53.10	5.31	Peak	169	272
5	10520.00	54.21	68.20	-13.99	40.37	13.84	Peak	100	169
6	15780.00	42.34	54.00	-11.66	27.47	14.87	Average	110	125
7	15780.00	55.26	74.00	-18.74	40.39	14.87	Peak	110	125

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

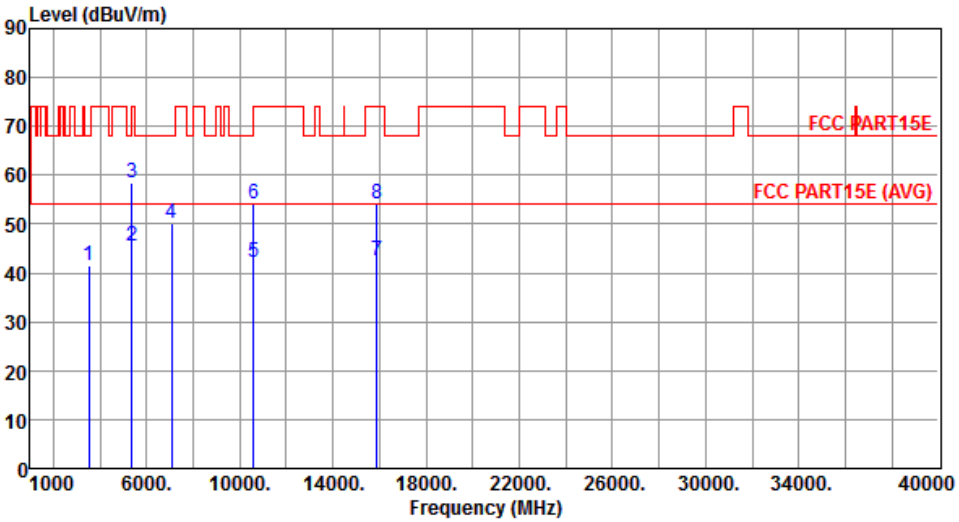
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		



	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	45.15	54.00	-8.85	40.13	5.02	Average	103	320
2	5150.00	58.26	74.00	-15.74	53.24	5.02	Peak	103	320
3	5350.00	45.13	54.00	-8.87	39.82	5.31	Average	103	320
4	5350.00	58.33	74.00	-15.67	53.02	5.31	Peak	103	320
5	10520.00	54.26	68.20	-13.94	40.42	13.84	Peak	105	119
6	15780.00	42.15	54.00	-11.85	27.28	14.87	Average	101	22
7	15780.00	55.06	74.00	-18.94	40.19	14.87	Peak	101	22

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

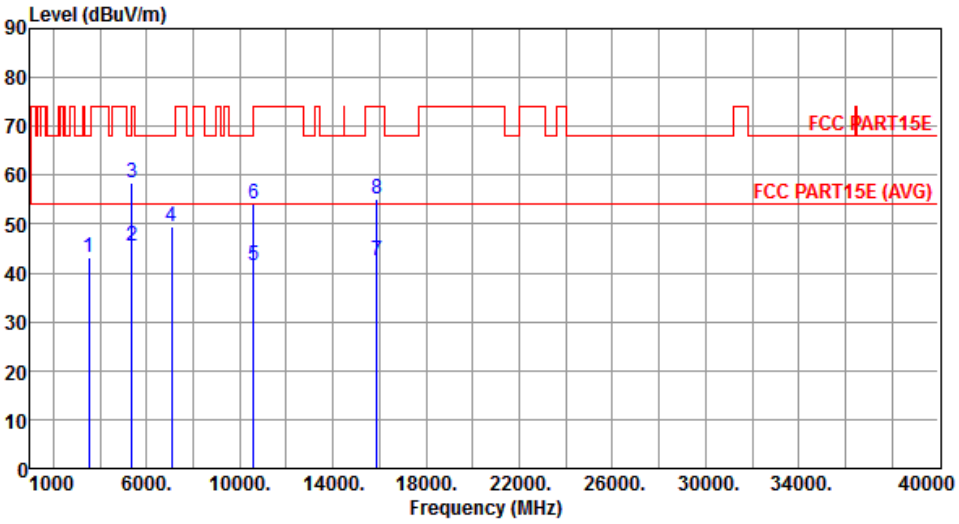
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	41.46	68.20	-26.74	40.44	1.02	Peak	100	166
2	5350.00	45.44	54.00	-8.56	40.13	5.31	Average	168	265
3	5350.00	58.31	74.00	-15.69	53.00	5.31	Peak	168	265
4	7066.66	50.25	68.20	-17.95	41.86	8.39	Peak	102	91
5	10600.00	42.15	54.00	-11.85	28.23	13.92	Average	105	108
6	10600.00	54.18	74.00	-19.82	40.26	13.92	Peak	105	108
7	15900.00	42.36	54.00	-11.64	27.52	14.84	Average	100	110
8	15900.00	54.13	74.00	-19.87	39.29	14.84	Peak	100	110

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

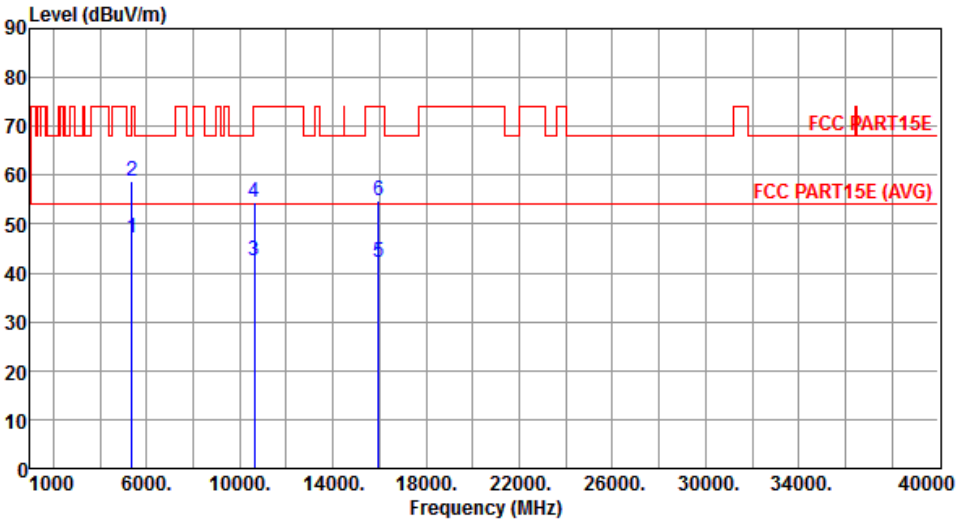
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3533.33	43.13	68.20	-25.07	42.11	1.02	Peak	101	266
2	5350.00	45.41	54.00	-8.59	40.10	5.31	Average	105	320
3	5350.00	58.36	74.00	-15.64	53.05	5.31	Peak	105	320
4	7066.66	49.51	68.20	-18.69	41.12	8.39	Peak	103	72
5	10600.00	41.55	54.00	-12.45	27.63	13.92	Average	100	133
6	10600.00	54.23	74.00	-19.77	40.31	13.92	Peak	100	133
7	15900.00	42.48	54.00	-11.52	27.64	14.84	Average	109	145
8	15900.00	55.21	74.00	-18.79	40.37	14.84	Peak	109	145

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

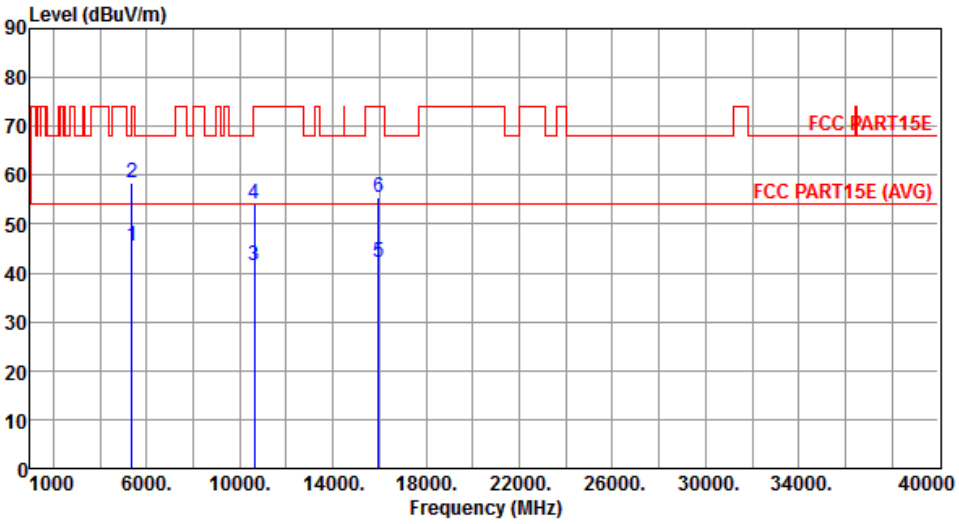
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.15	54.00	-6.85	41.84	5.31	Average	165	266
2	5350.00	58.69	74.00	-15.31	53.38	5.31	Peak	165	266
3	10640.00	42.35	54.00	-11.65	28.39	13.96	Average	104	108
4	10640.00	54.31	74.00	-19.69	40.35	13.96	Peak	104	108
5	15960.00	42.18	54.00	-11.82	27.37	14.81	Average	103	110
6	15960.00	54.65	74.00	-19.35	39.84	14.81	Peak	103	110

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

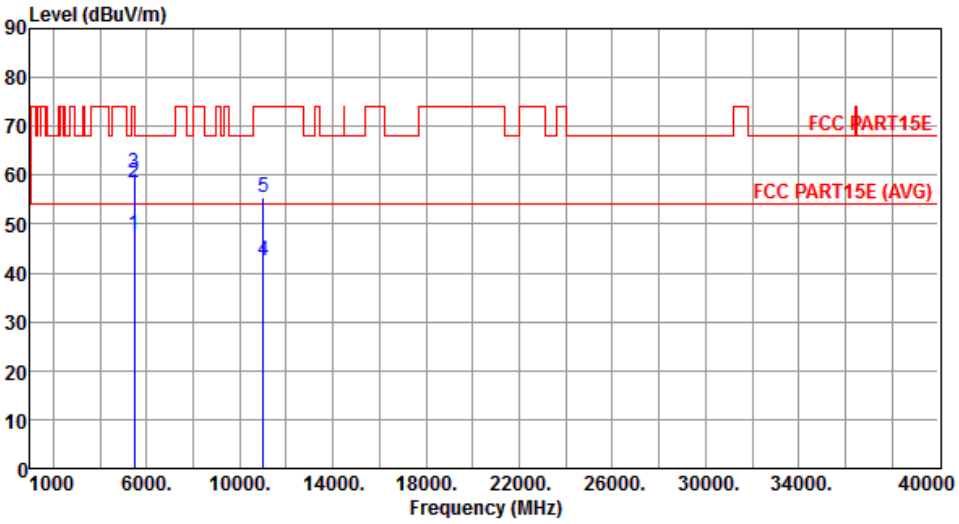
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.48	54.00	-8.52	40.17	5.31	Average	108	331
2	5350.00	58.51	74.00	-15.49	53.20	5.31	Peak	108	331
3	10640.00	41.45	54.00	-12.55	27.49	13.96	Average	105	122
4	10640.00	54.19	74.00	-19.81	40.23	13.96	Peak	105	122
5	15960.00	42.29	54.00	-11.71	27.48	14.81	Average	110	132
6	15960.00	55.38	74.00	-18.62	40.57	14.81	Peak	110	132

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

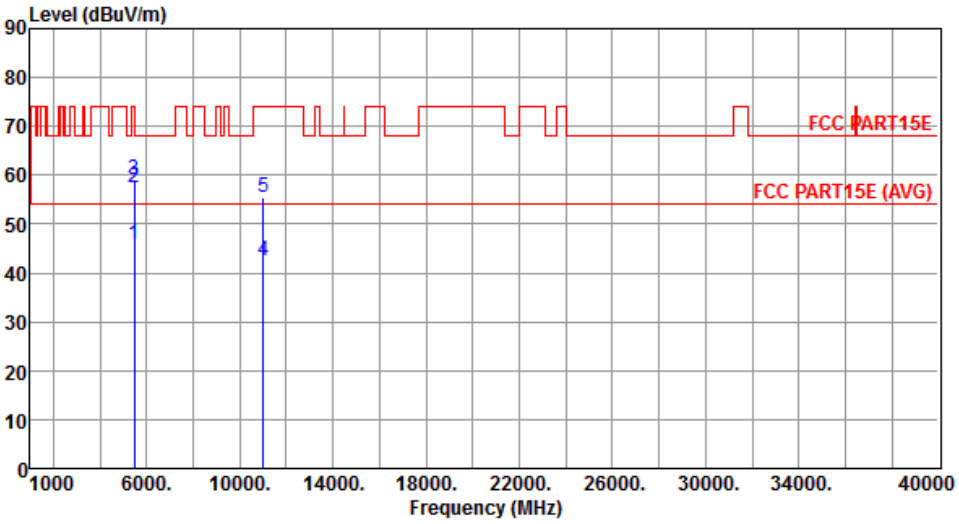
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.86	54.00	-6.14	42.40	5.46	Average	168	259
2	5460.00	58.52	74.00	-15.48	53.06	5.46	Peak	168	259
3	5470.00	60.51	68.20	-7.69	55.04	5.47	Peak	168	259
4	11000.00	42.41	54.00	-11.59	28.11	14.30	Average	108	113
5	11000.00	55.39	74.00	-18.61	41.09	14.30	Peak	108	113

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

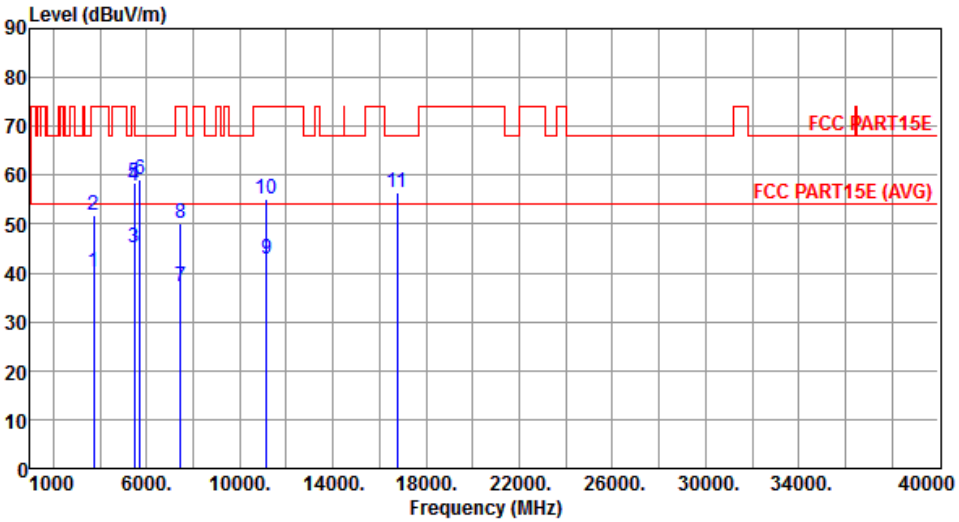
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.77	54.00	-8.23	40.31	5.46	Average	110	331
2	5460.00	57.61	74.00	-16.39	52.15	5.46	Peak	110	331
3	5470.00	59.13	68.20	-9.07	53.66	5.47	Peak	110	331
4	11000.00	42.65	54.00	-11.35	28.35	14.30	Average	103	134
5	11000.00	55.53	74.00	-18.47	41.23	14.30	Peak	103	134

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

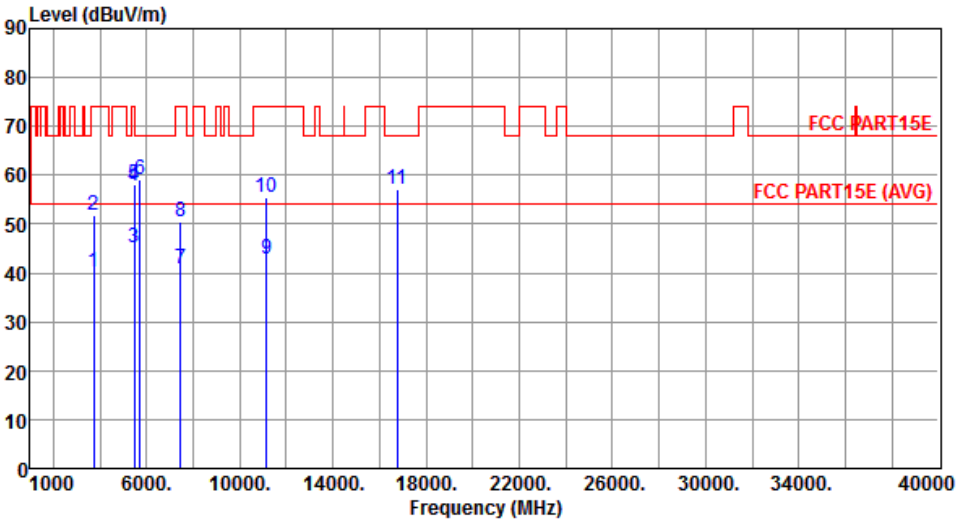
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.05	54.00	-13.95	38.45	1.60	Average	101	36
2	3720.00	51.65	74.00	-22.35	50.05	1.60	Peak	101	36
3	5460.00	45.31	54.00	-8.69	39.85	5.46	Average	166	245
4	5460.00	57.69	74.00	-16.31	52.23	5.46	Peak	166	245
5	5470.00	58.61	68.20	-9.59	53.14	5.47	Peak	166	245
6	5725.00	59.06	68.20	-9.14	53.25	5.81	Peak	166	245
7	7440.00	37.15	54.00	-16.85	27.65	9.50	Average	103	84
8	7440.00	50.11	74.00	-23.89	40.61	9.50	Peak	103	84
9	11160.00	42.96	54.00	-11.04	28.52	14.44	Average	110	102
10	11160.00	55.21	74.00	-18.79	40.77	14.44	Peak	110	102
11	16740.00	56.42	68.20	-11.78	40.45	15.97	Peak	103	112

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

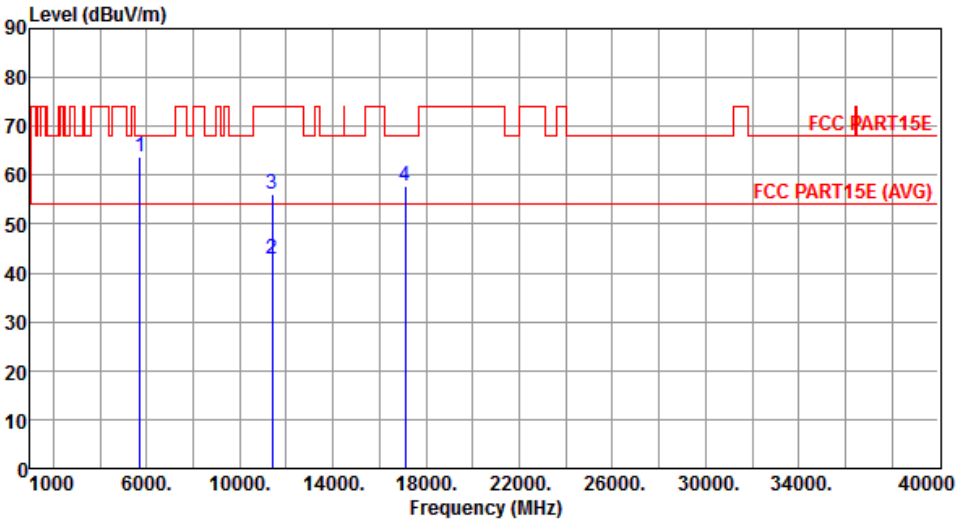
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	40.15	54.00	-13.85	38.55	1.60	Average	102	110
2	3720.00	51.96	74.00	-22.04	50.36	1.60	Peak	102	110
3	5460.00	45.31	54.00	-8.69	39.85	5.46	Average	105	308
4	5460.00	57.68	74.00	-16.32	52.22	5.46	Peak	105	308
5	5470.00	58.11	68.20	-10.09	52.64	5.47	Peak	105	308
6	5725.00	59.03	68.20	-9.17	53.22	5.81	Peak	105	308
7	7440.00	40.82	54.00	-13.18	31.32	9.50	Average	109	91
8	7440.00	50.44	74.00	-23.56	40.94	9.50	Peak	109	91
9	11160.00	42.81	54.00	-11.19	28.37	14.44	Average	109	155
10	11160.00	55.62	74.00	-18.38	41.18	14.44	Peak	109	155
11	16740.00	57.06	68.20	-11.14	41.09	15.97	Peak	112	147

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

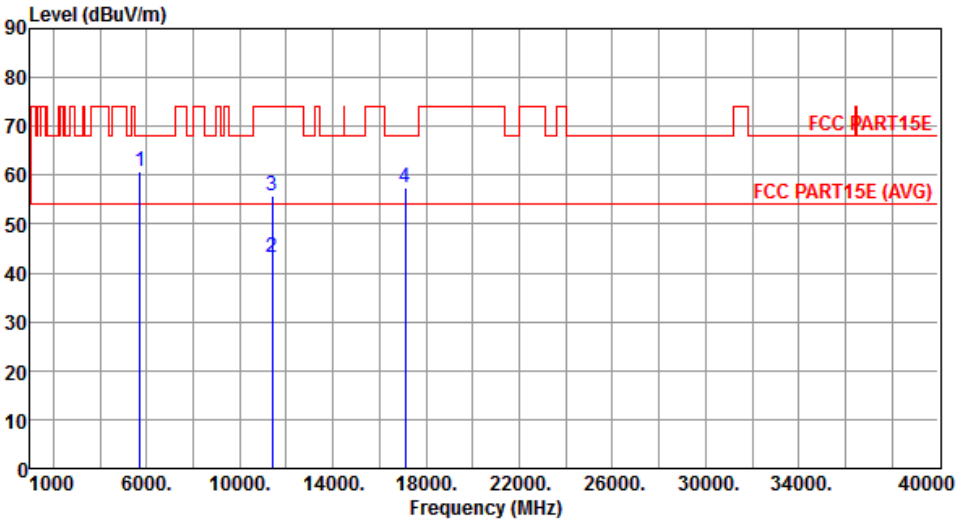
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	63.86	68.20	-4.34	58.05	5.81	Peak	168	253
2	11400.00	42.93	54.00	-11.07	28.28	14.65	Average	105	113
3	11400.00	56.14	74.00	-17.86	41.49	14.65	Peak	105	113
4	17100.00	57.62	68.20	-10.58	41.11	16.51	Peak	105	106

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

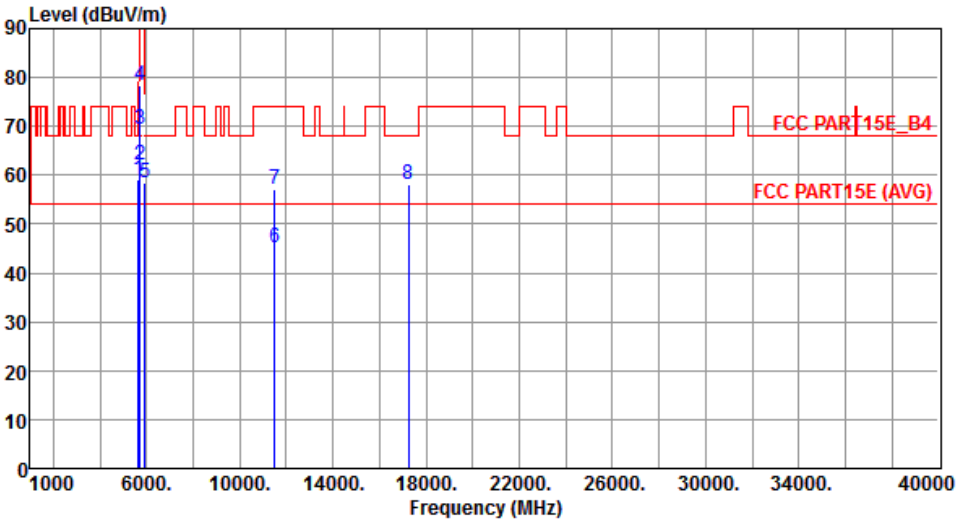
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	60.82	68.20	-7.38	55.01	5.81	Peak	106	311
2	11400.00	43.24	54.00	-10.76	28.59	14.65	Average	111	142
3	11400.00	55.81	74.00	-18.19	41.16	14.65	Peak	111	142
4	17100.00	57.42	68.20	-10.78	40.91	16.51	Peak	103	135

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

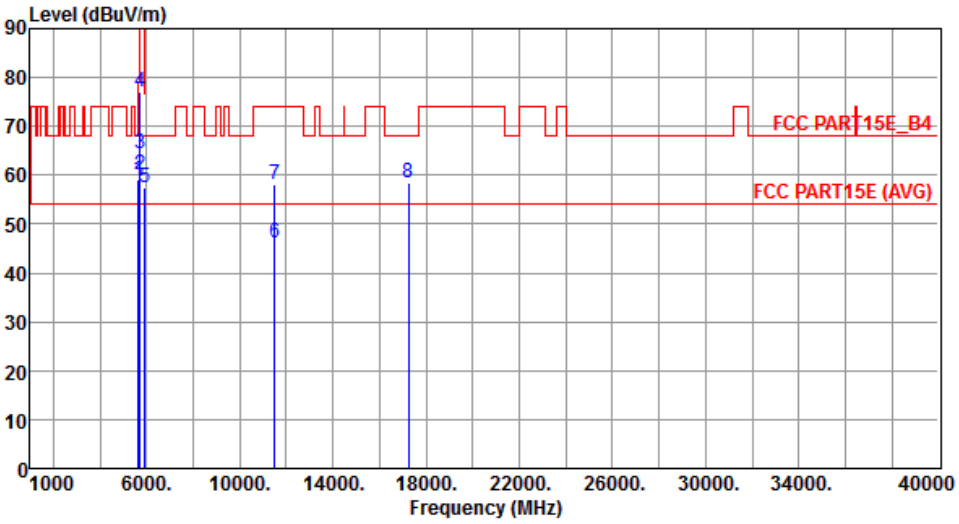
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.12	68.20	-9.08	53.43	5.69	Peak	224	30
2	5700.00	62.15	105.20	-43.05	56.38	5.77	Peak	224	30
3	5720.00	69.45	110.80	-41.35	63.66	5.79	Peak	224	30
4	5725.00	78.24	122.20	-43.96	72.43	5.81	Peak	224	30
5	5925.00	58.46	68.20	-9.74	52.37	6.09	Peak	224	30
6	11490.00	45.12	54.00	-8.88	30.39	14.73	Average	101	119
7	11490.00	57.26	74.00	-16.74	42.53	14.73	Peak	101	119
8	17235.00	58.24	68.20	-9.96	41.17	17.07	Peak	106	83

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

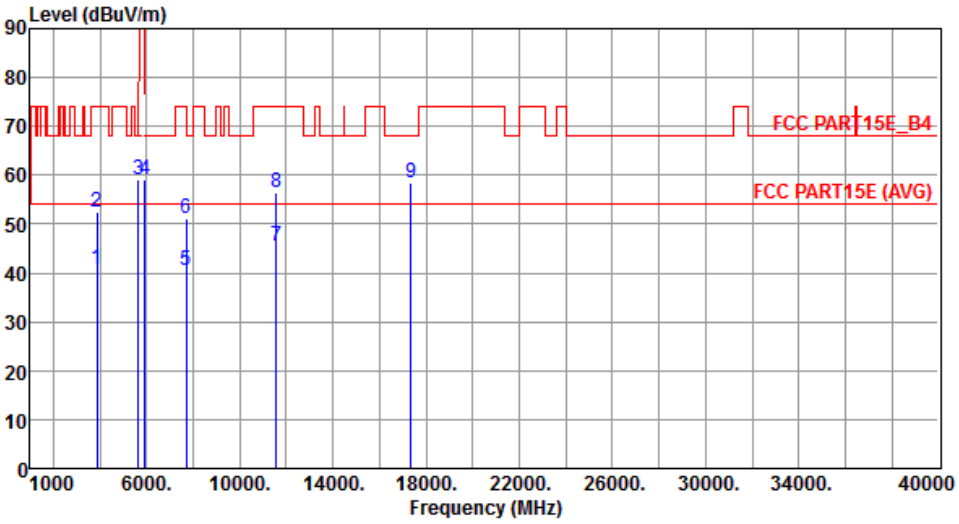
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.96	68.20	-9.24	53.27	5.69	Peak	108	313
2	5700.00	60.23	105.20	-44.97	54.46	5.77	Peak	108	313
3	5720.00	64.56	110.80	-46.24	58.77	5.79	Peak	108	313
4	5725.00	76.95	122.20	-45.25	71.14	5.81	Peak	108	313
5	5925.00	57.48	68.20	-10.72	51.39	6.09	Peak	108	313
6	11490.00	46.25	54.00	-7.75	31.52	14.73	Average	105	151
7	11490.00	58.04	74.00	-15.96	43.31	14.73	Peak	105	151
8	17235.00	58.61	68.20	-9.59	41.54	17.07	Peak	103	144

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

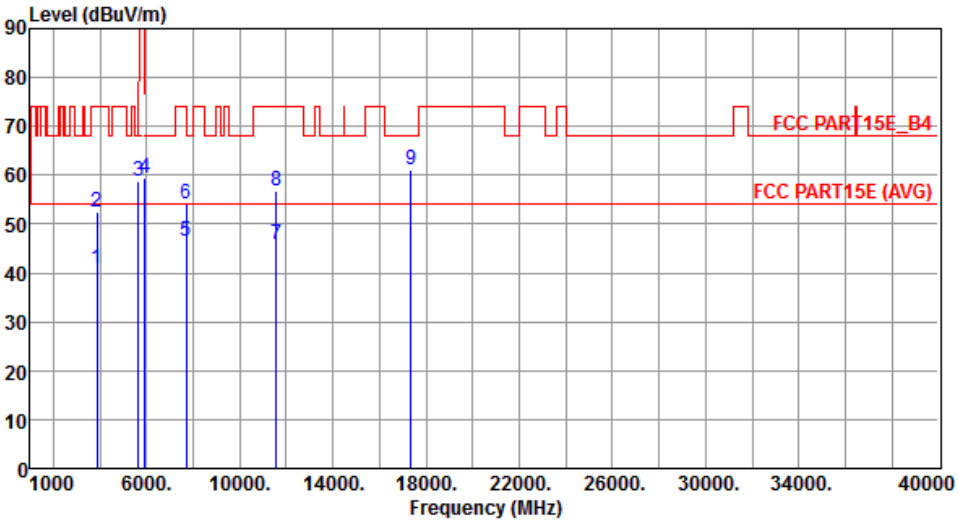
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.95	54.00	-13.05	38.90	2.05	Average	103	28
2	3856.66	52.46	74.00	-21.54	50.41	2.05	Peak	103	28
3	5650.00	59.13	68.20	-9.07	53.44	5.69	Peak	224	32
4	5925.00	59.24	68.20	-8.96	53.15	6.09	Peak	224	32
5	7713.33	40.63	54.00	-13.37	30.96	9.67	Average	101	81
6	7713.33	51.22	74.00	-22.78	41.55	9.67	Peak	101	81
7	11570.00	45.36	54.00	-8.64	30.76	14.60	Average	103	119
8	11570.00	56.61	74.00	-17.39	42.01	14.60	Peak	103	119
9	17355.00	58.44	68.20	-9.76	40.89	17.55	Peak	119	23

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

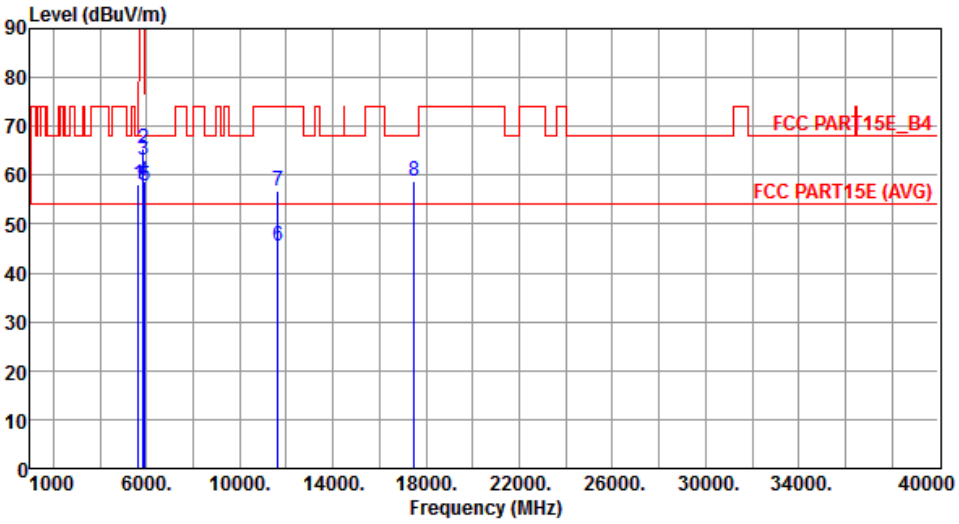
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3856.66	40.82	54.00	-13.18	38.77	2.05	Average	103	91
2	3856.66	52.53	74.00	-21.47	50.48	2.05	Peak	103	91
3	5650.00	58.62	68.20	-9.58	52.93	5.69	Peak	109	313
4	5925.00	59.41	68.20	-8.79	53.32	6.09	Peak	109	313
5	7713.33	46.35	54.00	-7.65	36.68	9.67	Average	109	85
6	7713.33	54.26	74.00	-19.74	44.59	9.67	Peak	109	85
7	11570.00	45.81	54.00	-8.19	31.21	14.60	Average	101	151
8	11570.00	56.92	74.00	-17.08	42.32	14.60	Peak	101	151
9	17355.00	61.24	68.20	-6.96	43.69	17.55	Peak	103	58

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

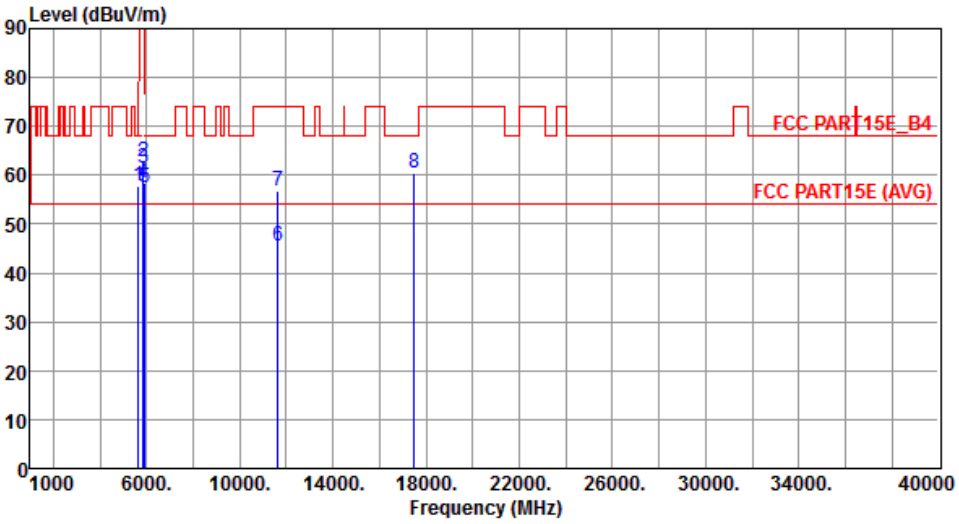
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.21	68.20	-9.99	52.52	5.69	Peak	225	33
2	5850.00	65.38	122.20	-56.82	59.39	5.99	Peak	225	33
3	5855.00	63.14	110.80	-47.66	57.14	6.00	Peak	225	33
4	5875.00	58.62	105.20	-46.58	52.60	6.02	Peak	225	33
5	5925.00	57.92	68.20	-10.28	51.83	6.09	Peak	225	33
6	11650.00	45.48	54.00	-8.52	31.04	14.44	Average	101	122
7	11650.00	56.95	74.00	-17.05	42.51	14.44	Peak	101	122
8	17475.00	58.92	68.20	-9.28	40.88	18.04	Peak	101	59

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

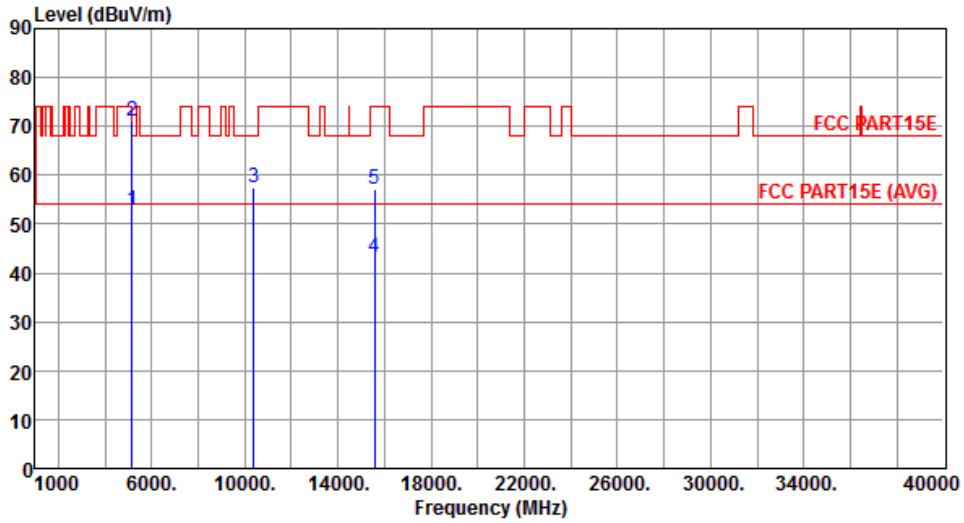


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	57.69	68.20	-10.51	52.00	5.69	Peak	110	313
2	5850.00	62.91	122.20	-59.29	56.92	5.99	Peak	110	313
3	5855.00	61.49	110.80	-49.31	55.49	6.00	Peak	110	313
4	5875.00	58.46	105.20	-46.74	52.44	6.02	Peak	110	313
5	5925.00	57.61	68.20	-10.59	51.52	6.09	Peak	110	313
6	11650.00	45.36	54.00	-8.64	30.92	14.44	Average	105	166
7	11650.00	56.81	74.00	-17.19	42.37	14.44	Peak	105	166
8	17475.00	60.35	68.20	-7.85	42.31	18.04	Peak	113	142

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

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

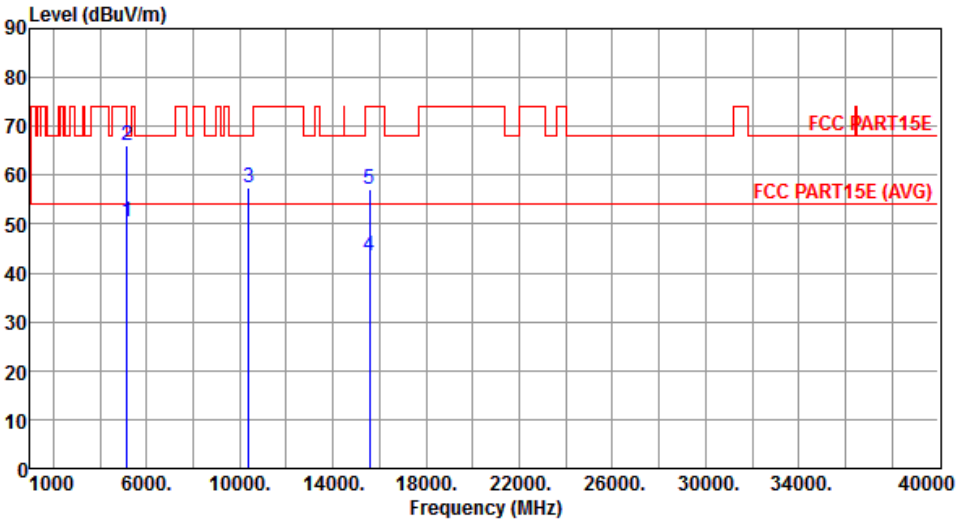
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.91	54.00	-1.09	47.89	5.02	Average	199	20
2	5150.00	71.03	74.00	-2.97	66.01	5.02	Peak	199	20
3	10380.00	57.41	68.20	-10.79	43.66	13.75	Peak	103	22
4	15570.00	43.25	54.00	-10.75	28.29	14.96	Average	106	11
5	15570.00	57.04	74.00	-16.96	42.08	14.96	Peak	106	11

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

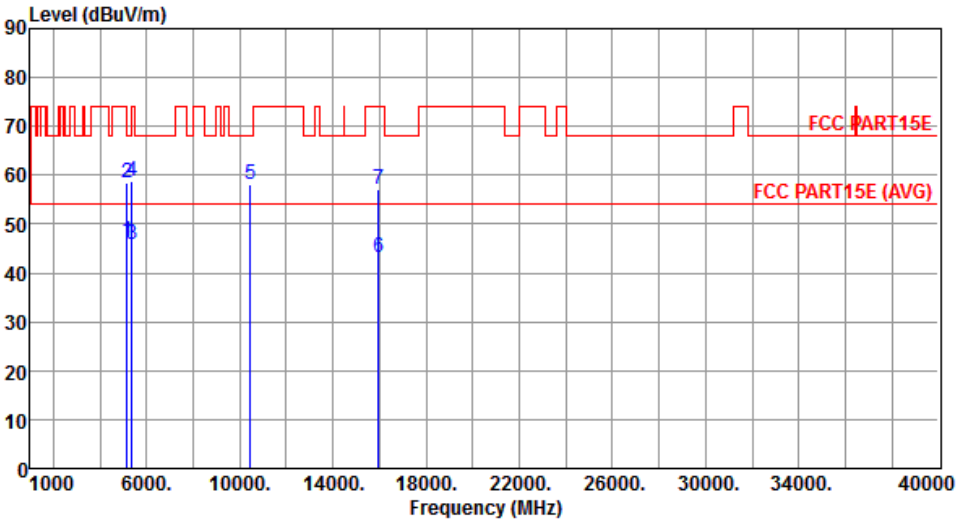
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.42	54.00	-3.58	45.40	5.02	Average	103	164
2	5150.00	65.94	74.00	-8.06	60.92	5.02	Peak	103	164
3	10380.00	57.42	68.20	-10.78	43.67	13.75	Peak	111	106
4	15570.00	43.44	54.00	-10.56	28.48	14.96	Average	104	99
5	15570.00	57.21	74.00	-16.79	42.25	14.96	Peak	104	99

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

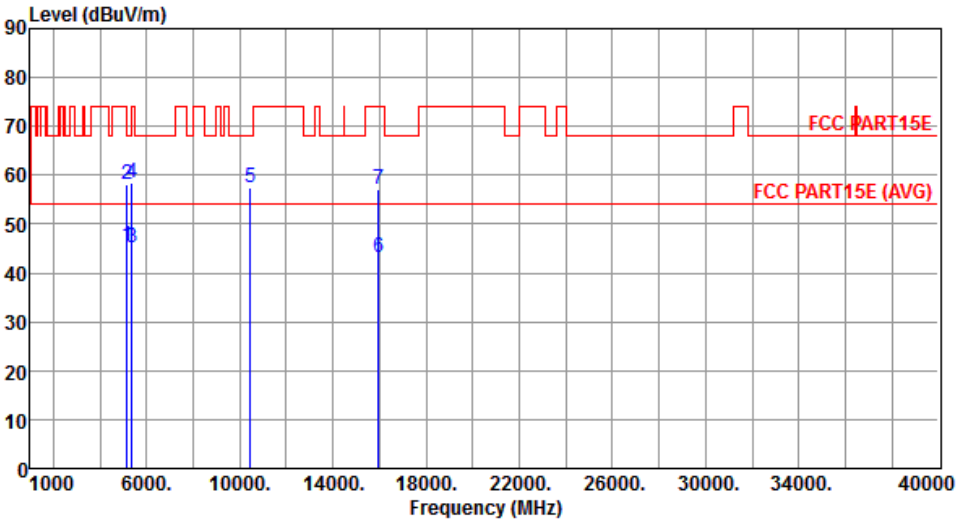
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.35	54.00	-7.65	41.33	5.02	Average	200	21
2	5150.00	58.59	74.00	-15.41	53.57	5.02	Peak	200	21
3	5350.00	45.93	54.00	-8.07	40.62	5.31	Average	200	21
4	5350.00	58.81	74.00	-15.19	53.50	5.31	Peak	200	21
5	10460.00	58.26	68.20	-9.94	44.47	13.79	Peak	109	38
6	15960.00	43.18	54.00	-10.82	28.37	14.81	Average	103	47
7	15960.00	57.11	74.00	-16.89	42.30	14.81	Peak	103	47

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

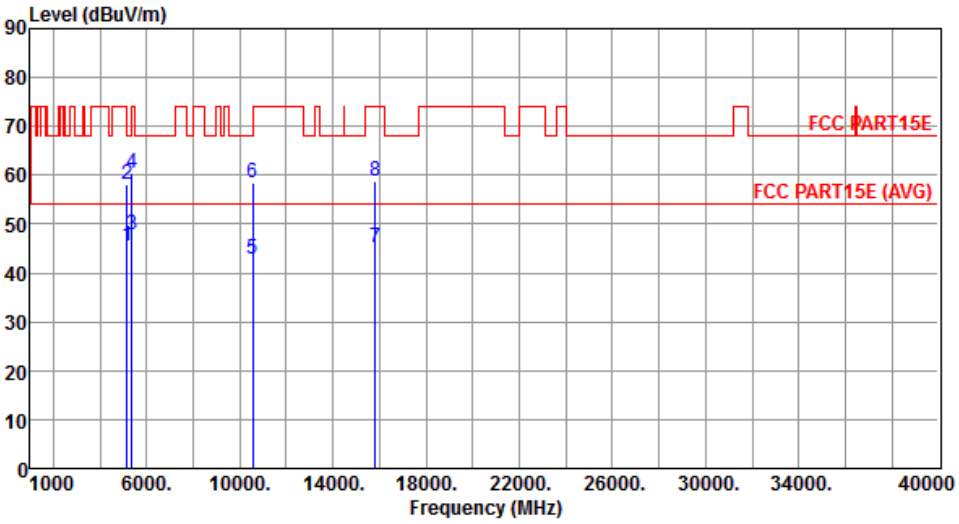
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		



	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	45.36	54.00	-8.64	40.34	5.02	Average	105	164
2	5150.00	58.22	74.00	-15.78	53.20	5.02	Peak	105	164
3	5350.00	45.29	54.00	-8.71	39.98	5.31	Average	105	164
4	5350.00	58.41	74.00	-15.59	53.10	5.31	Peak	105	164
5	10460.00	57.51	68.20	-10.69	43.72	13.79	Peak	102	106
6	15960.00	43.25	54.00	-10.75	28.44	14.81	Average	113	106
7	15960.00	57.19	74.00	-16.81	42.38	14.81	Peak	113	106

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

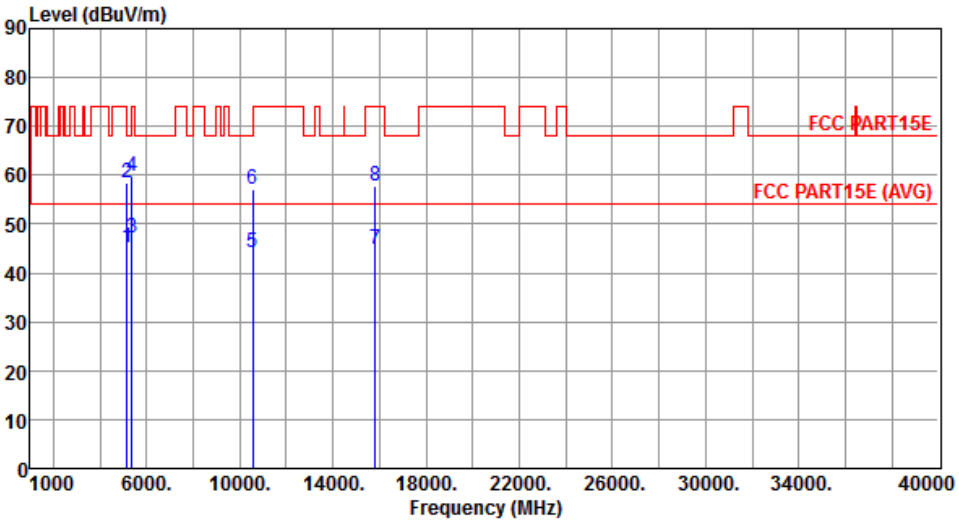
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		



	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	45.61	54.00	-8.39	40.59	5.02	Average	195	19
2	5150.00	58.23	74.00	-15.77	53.21	5.02	Peak	195	19
3	5350.00	47.68	54.00	-6.32	42.37	5.31	Average	195	19
4	5350.00	60.55	74.00	-13.45	55.24	5.31	Peak	195	19
5	10540.00	42.88	54.00	-11.12	29.02	13.86	Average	113	65
6	10540.00	58.49	68.20	-9.71	44.63	13.86	Peak	113	65
7	15810.00	45.26	54.00	-8.74	30.40	14.86	Average	105	21
8	15810.00	58.69	74.00	-15.31	43.83	14.86	Peak	105	21

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

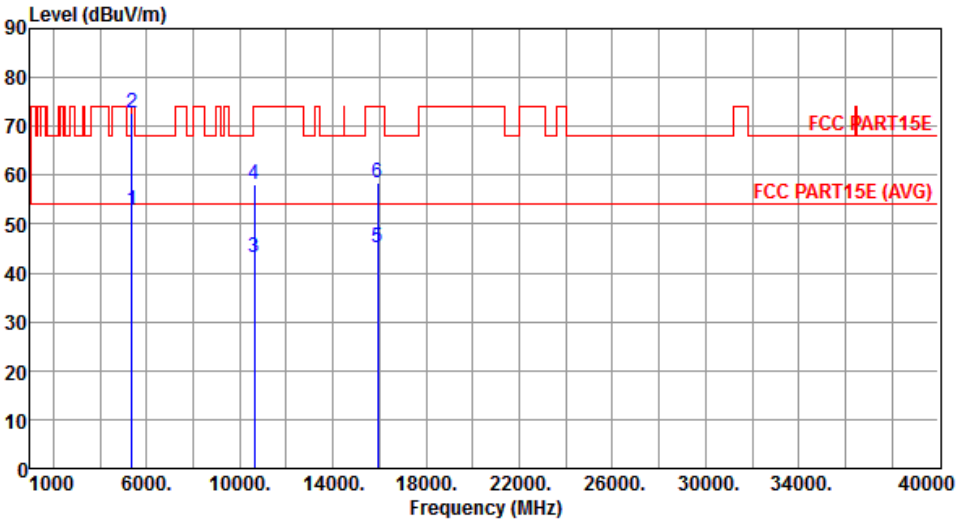
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		



	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	45.25	54.00	-8.75	40.23	5.02	Average	108	161
2	5150.00	58.33	74.00	-15.67	53.31	5.02	Peak	108	161
3	5350.00	47.24	54.00	-6.76	41.93	5.31	Average	108	161
4	5350.00	59.68	74.00	-14.32	54.37	5.31	Peak	108	161
5	10540.00	44.08	54.00	-9.92	30.22	13.86	Average	110	106
6	10540.00	57.15	68.20	-11.05	43.29	13.86	Peak	110	106
7	15810.00	44.95	54.00	-9.05	30.09	14.86	Average	123	91
8	15810.00	57.86	74.00	-16.14	43.00	14.86	Peak	123	91

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

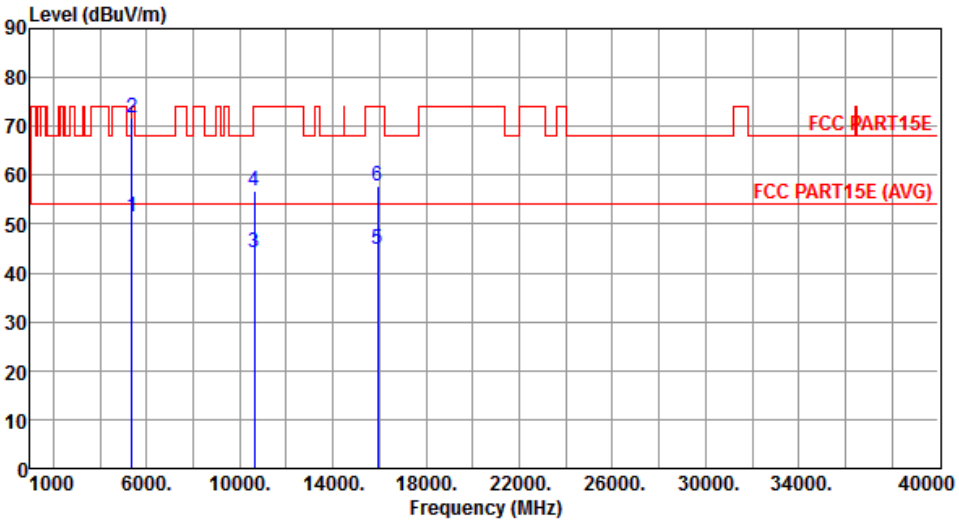
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.94	54.00	-1.06	47.63	5.31	Average	201	19
2	5350.00	72.86	74.00	-1.14	67.55	5.31	Peak	201	19
3	10620.00	43.15	54.00	-10.85	29.22	13.93	Average	102	55
4	10620.00	58.22	74.00	-15.78	44.29	13.93	Peak	102	55
5	15930.00	45.11	54.00	-8.89	30.29	14.82	Average	103	15
6	15930.00	58.29	74.00	-15.71	43.47	14.82	Peak	103	15

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

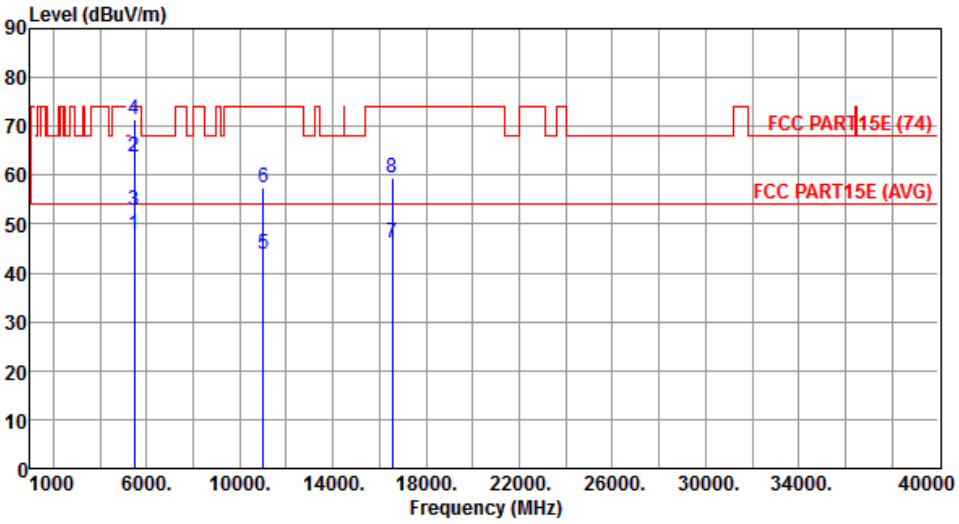
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.46	54.00	-2.54	46.15	5.31	Average	110	161
2	5350.00	71.81	74.00	-2.19	66.50	5.31	Peak	110	161
3	10620.00	44.19	54.00	-9.81	30.26	13.93	Average	107	91
4	10620.00	56.82	74.00	-17.18	42.89	13.93	Peak	107	91
5	15930.00	44.71	54.00	-9.29	29.89	14.82	Average	115	38
6	15930.00	57.62	74.00	-16.38	42.80	14.82	Peak	115	38

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

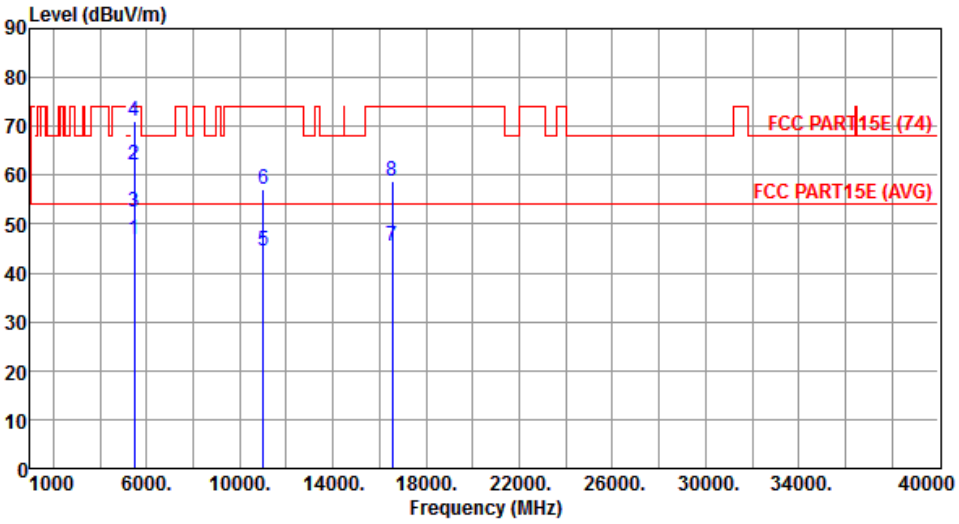
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.95	54.00	-6.05	42.49	5.46	Average	199	21
2	5460.00	63.68	74.00	-10.32	58.22	5.46	Peak	199	21
3	5470.00	52.81	54.00	-1.19	47.34	5.47	Average	189	326
4	5470.00	71.41	74.00	-2.59	65.94	5.47	Peak	189	326
5	11020.00	43.95	54.00	-10.05	29.63	14.32	Average	106	39
6	11020.00	57.48	74.00	-16.52	43.16	14.32	Peak	106	39
7	16530.00	46.14	54.00	-7.86	30.29	15.85	Average	114	78
8	16530.00	59.33	74.00	-14.67	43.48	15.85	Peak	114	78

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

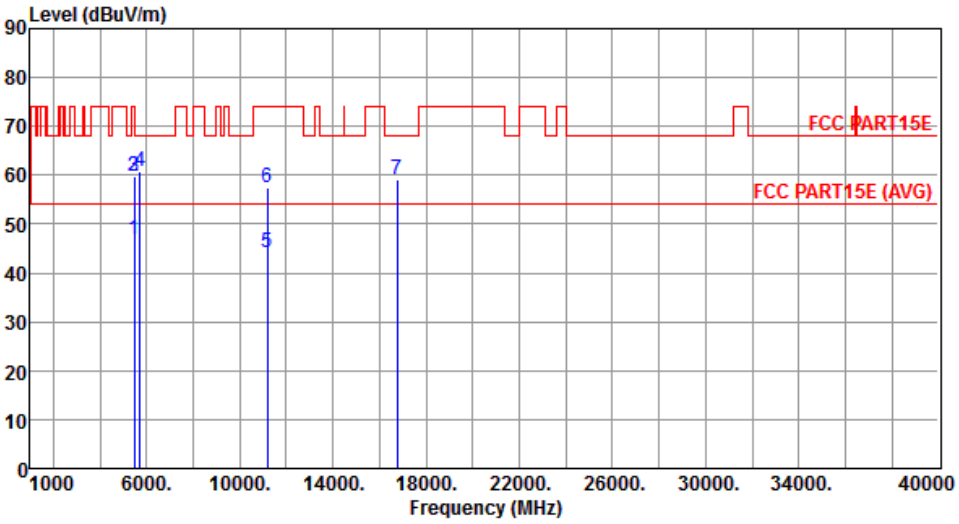
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.95	54.00	-7.05	41.49	5.46	Average	111	158
2	5460.00	62.23	74.00	-11.77	56.77	5.46	Peak	111	158
3	5470.00	52.45	54.00	-1.55	46.98	5.47	Average	111	158
4	5470.00	71.06	74.00	-2.94	65.59	5.47	Peak	111	158
5	11020.00	44.63	54.00	-9.37	30.31	14.32	Average	103	101
6	11020.00	57.28	74.00	-16.72	42.96	14.32	Peak	103	101
7	16530.00	45.51	54.00	-8.49	29.66	15.85	Average	124	101
8	16530.00	58.92	74.00	-15.08	43.07	15.85	Peak	124	101

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

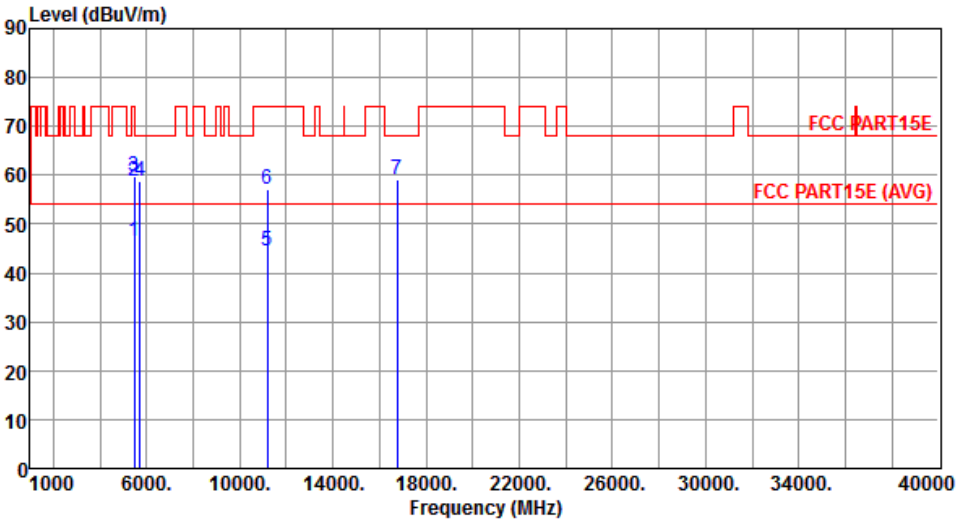
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.91	54.00	-7.09	41.45	5.46	Average	200	21
2	5460.00	59.82	74.00	-14.18	54.36	5.46	Peak	200	21
3	5470.00	59.92	68.20	-8.28	54.45	5.47	Peak	200	21
4	5725.00	60.65	68.20	-7.55	54.84	5.81	Peak	200	21
5	11180.00	44.15	54.00	-9.85	29.69	14.46	Average	109	39
6	11180.00	57.46	74.00	-16.54	43.00	14.46	Peak	109	39
7	16770.00	59.02	68.20	-9.18	43.04	15.98	Peak	107	64

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

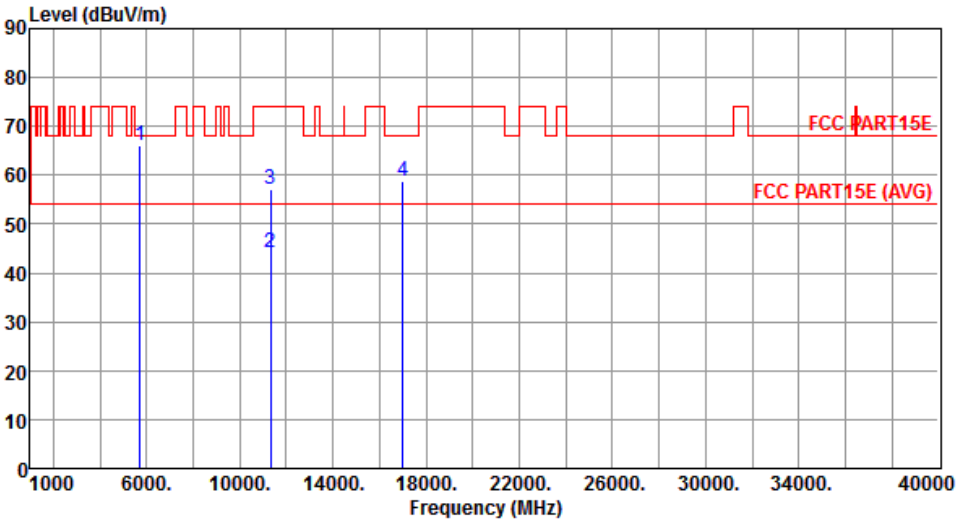
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.45	54.00	-7.55	40.99	5.46	Average	110	162
2	5460.00	58.82	74.00	-15.18	53.36	5.46	Peak	110	162
3	5470.00	59.81	68.20	-8.39	54.34	5.47	Peak	110	162
4	5725.00	58.94	68.20	-9.26	53.13	5.81	Peak	110	162
5	11180.00	44.35	54.00	-9.65	29.89	14.46	Average	105	111
6	11180.00	57.26	74.00	-16.74	42.80	14.46	Peak	105	111
7	16770.00	59.23	68.20	-8.97	43.25	15.98	Peak	118	96

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

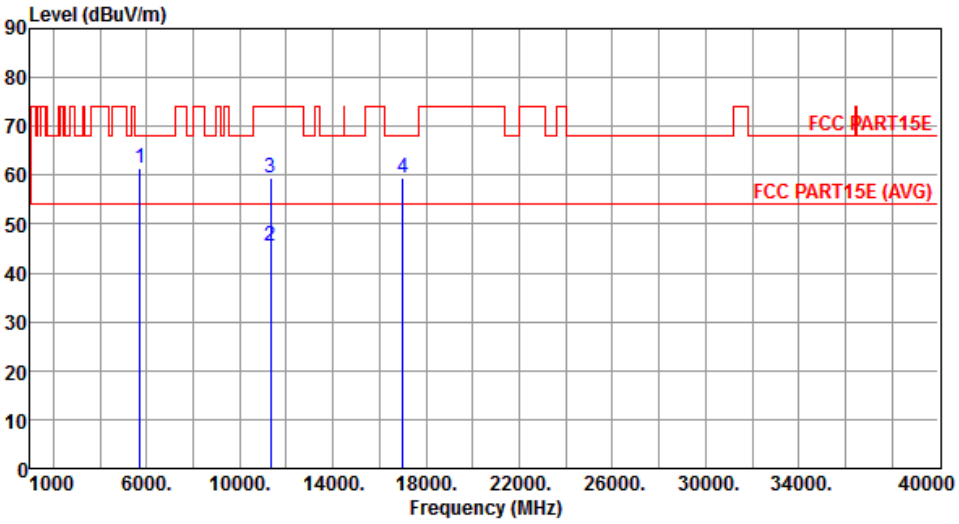
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.98	68.20	-2.22	60.17	5.81	Peak	201	19
2	11340.00	44.29	54.00	-9.71	29.69	14.60	Average	131	28
3	11340.00	57.16	74.00	-16.84	42.56	14.60	Peak	131	28
4	17010.00	58.82	68.20	-9.38	42.67	16.15	Peak	114	25

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

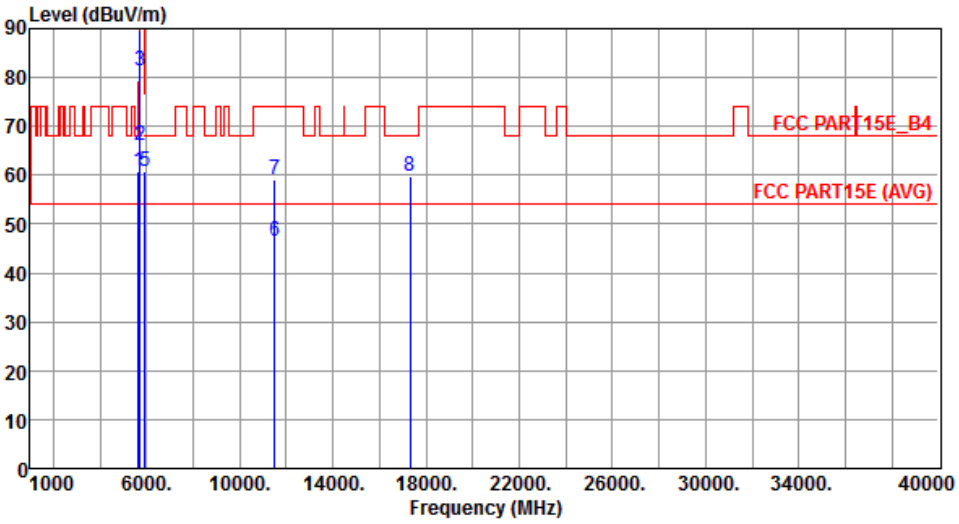
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.45	68.20	-6.75	55.64	5.81	Peak	106	155
2	11340.00	45.51	54.00	-8.49	30.91	14.60	Average	123	106
3	11340.00	59.29	74.00	-14.71	44.69	14.60	Peak	123	106
4	17010.00	59.31	68.20	-8.89	43.16	16.15	Peak	116	99

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

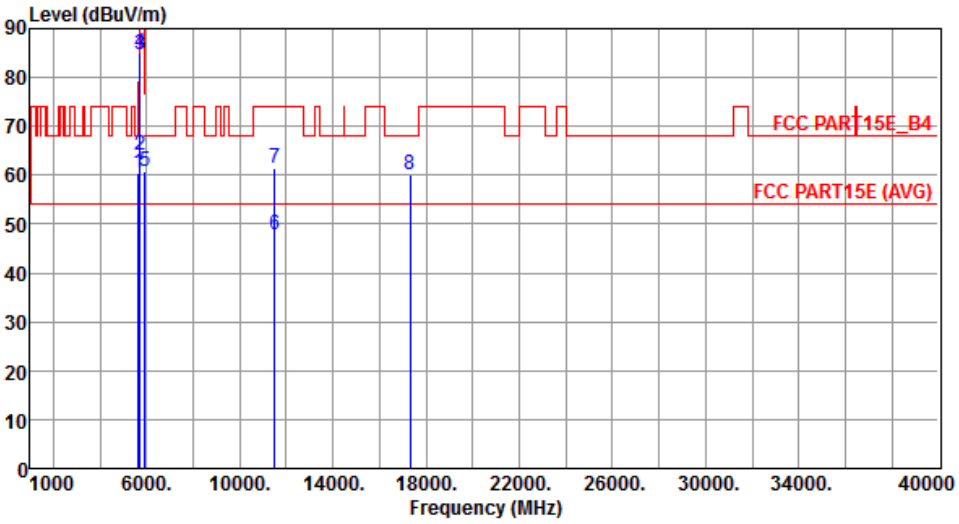
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.81	68.20	-7.39	55.12	5.69	Peak	203	24
2	5700.00	66.15	105.20	-39.05	60.38	5.77	Peak	203	24
3	5720.00	81.46	110.80	-29.34	75.67	5.79	Peak	203	24
4	5725.00	89.52	122.20	-32.68	83.71	5.81	Peak	203	24
5	5925.00	60.85	68.20	-7.35	54.76	6.09	Peak	203	24
6	11510.00	46.38	54.00	-7.62	31.66	14.72	Average	129	34
7	11510.00	59.21	74.00	-14.79	44.49	14.72	Peak	129	34
8	17325.00	59.65	68.20	-8.55	42.22	17.43	Peak	106	33

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

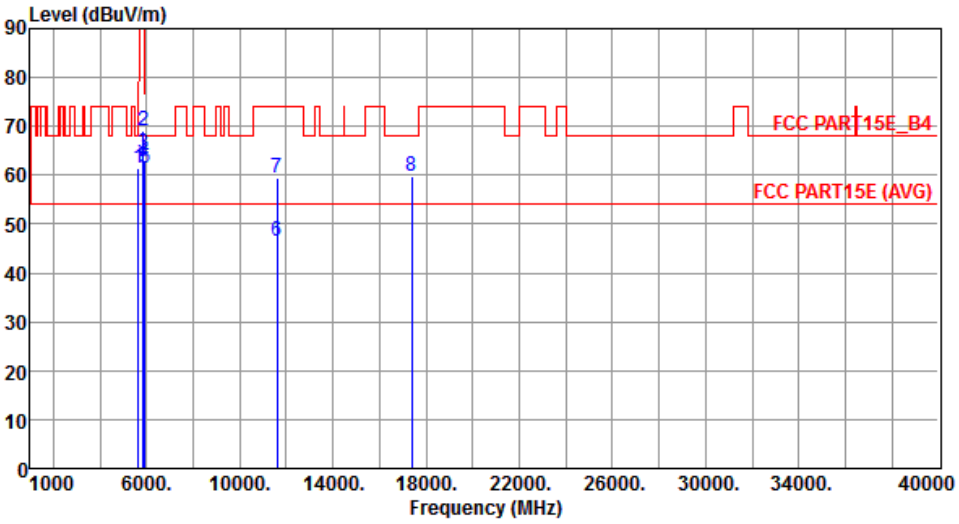
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.53	68.20	-7.67	54.84	5.69	Peak	105	149
2	5700.00	64.15	105.20	-41.05	58.38	5.77	Peak	105	149
3	5720.00	84.69	110.80	-26.11	78.90	5.79	Peak	105	149
4	5725.00	85.18	122.20	-37.02	79.37	5.81	Peak	105	149
5	5925.00	60.92	68.20	-7.28	54.83	6.09	Peak	105	149
6	11510.00	47.86	54.00	-6.14	33.14	14.72	Average	108	114
7	11510.00	61.35	74.00	-12.65	46.63	14.72	Peak	108	114
8	17325.00	60.21	68.20	-7.99	42.78	17.43	Peak	113	102

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

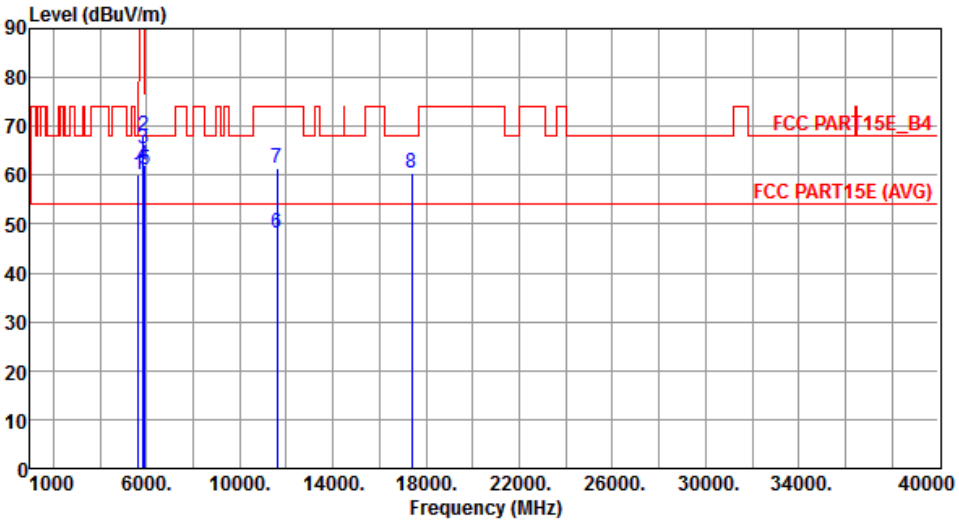
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.45	68.20	-6.75	55.76	5.69	Peak	201	22
2	5850.00	69.21	122.20	-52.99	63.22	5.99	Peak	201	22
3	5855.00	64.32	110.80	-46.48	58.32	6.00	Peak	201	22
4	5875.00	62.81	105.20	-42.39	56.79	6.02	Peak	201	22
5	5925.00	61.48	68.20	-6.72	55.39	6.09	Peak	201	22
6	11590.00	46.51	54.00	-7.49	31.95	14.56	Average	130	34
7	11590.00	59.34	74.00	-14.66	44.78	14.56	Peak	130	34
8	17385.00	59.93	68.20	-8.27	42.26	17.67	Peak	103	42

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

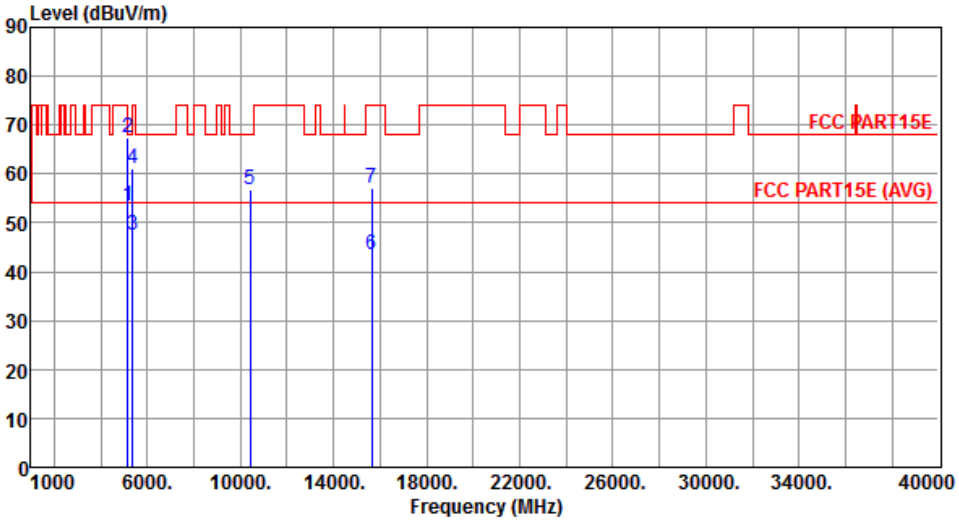


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.23	68.20	-7.97	54.54	5.69	Peak	103	145
2	5850.00	68.12	122.20	-54.08	62.13	5.99	Peak	103	145
3	5855.00	65.34	110.80	-45.46	59.34	6.00	Peak	103	145
4	5875.00	62.21	105.20	-42.99	56.19	6.02	Peak	103	145
5	5925.00	61.06	68.20	-7.14	54.97	6.09	Peak	103	145
6	11590.00	48.15	54.00	-5.85	33.59	14.56	Average	111	103
7	11590.00	61.42	74.00	-12.58	46.86	14.56	Peak	111	103
8	17385.00	60.36	68.20	-7.84	42.69	17.67	Peak	115	92

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

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

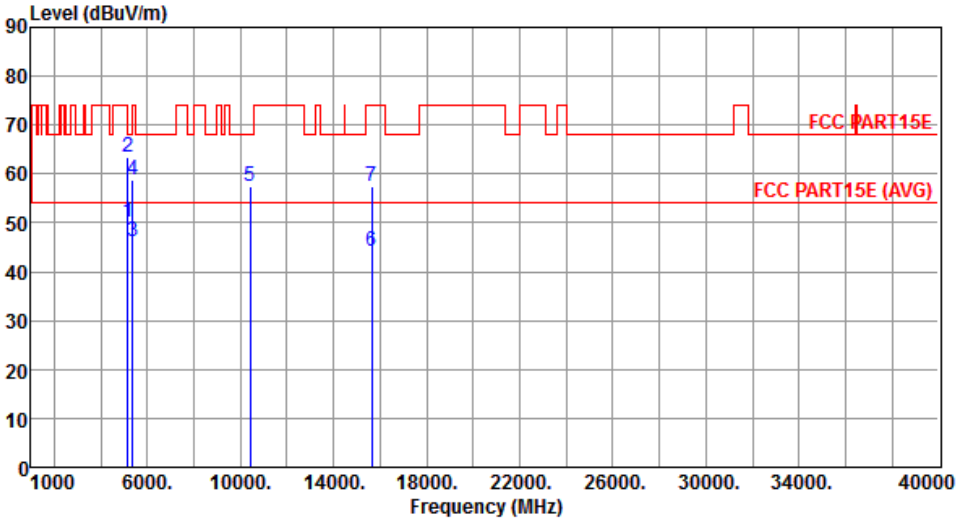
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.56	54.00	-0.44	48.54	5.02	Average	224	97
2	5150.00	67.47	74.00	-6.53	62.45	5.02	Peak	224	97
3	5350.00	47.45	54.00	-6.55	42.14	5.31	Average	224	97
4	5350.00	61.17	74.00	-12.83	55.86	5.31	Peak	224	97
5	10420.00	56.95	68.20	-11.25	43.17	13.78	Peak	105	11
6	15630.00	43.65	54.00	-10.35	28.72	14.93	Average	109	23
7	15630.00	57.26	74.00	-16.74	42.33	14.93	Peak	109	23

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

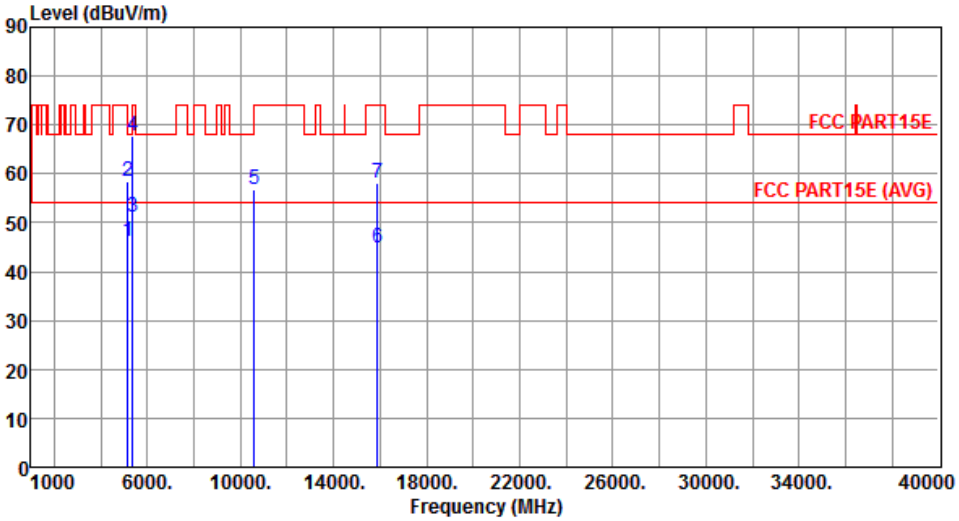
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.25	54.00	-3.75	45.23	5.02	Average	105	168
2	5150.00	63.33	74.00	-10.67	58.31	5.02	Peak	105	168
3	5350.00	46.25	54.00	-7.75	40.94	5.31	Average	105	168
4	5350.00	58.94	74.00	-15.06	53.63	5.31	Peak	105	168
5	10420.00	57.61	68.20	-10.59	43.83	13.78	Peak	108	114
6	15630.00	44.25	54.00	-9.75	29.32	14.93	Average	109	86
7	15630.00	57.48	74.00	-16.52	42.55	14.93	Peak	109	86

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

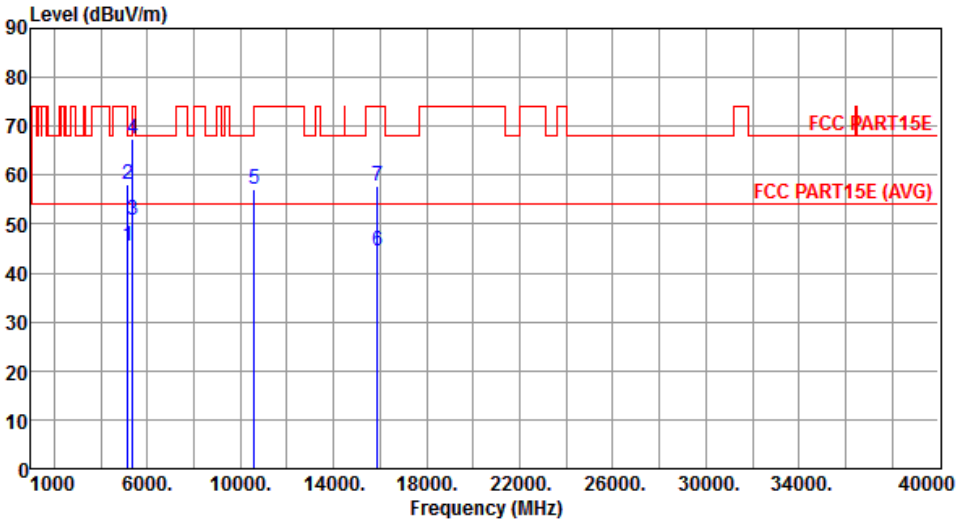
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.16	54.00	-7.84	41.14	5.02	Average	222	86
2	5150.00	58.54	74.00	-15.46	53.52	5.02	Peak	222	86
3	5350.00	51.16	54.00	-2.84	45.85	5.31	Average	222	86
4	5350.00	67.82	74.00	-6.18	62.51	5.31	Peak	222	86
5	10580.00	56.69	68.20	-11.51	42.79	13.90	Peak	114	23
6	15870.00	44.95	54.00	-9.05	30.10	14.85	Average	105	17
7	15870.00	58.26	74.00	-15.74	43.41	14.85	Peak	105	17

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

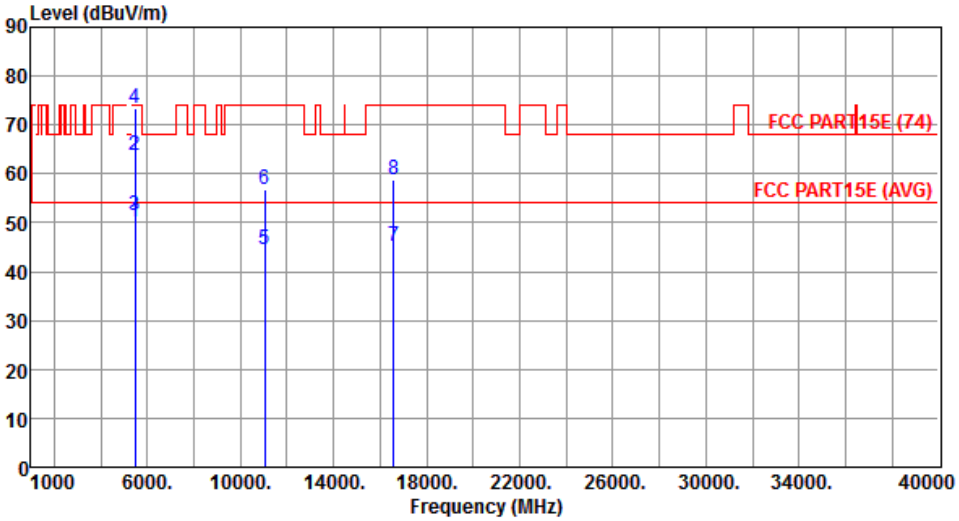
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.44	54.00	-8.56	40.42	5.02	Average	108	172
2	5150.00	58.26	74.00	-15.74	53.24	5.02	Peak	108	172
3	5350.00	50.82	54.00	-3.18	45.51	5.31	Average	108	172
4	5350.00	67.53	74.00	-6.47	62.22	5.31	Peak	108	172
5	10580.00	57.06	68.20	-11.14	43.16	13.90	Peak	109	103
6	15870.00	44.53	54.00	-9.47	29.68	14.85	Average	102	91
7	15870.00	57.62	74.00	-16.38	42.77	14.85	Peak	102	91

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

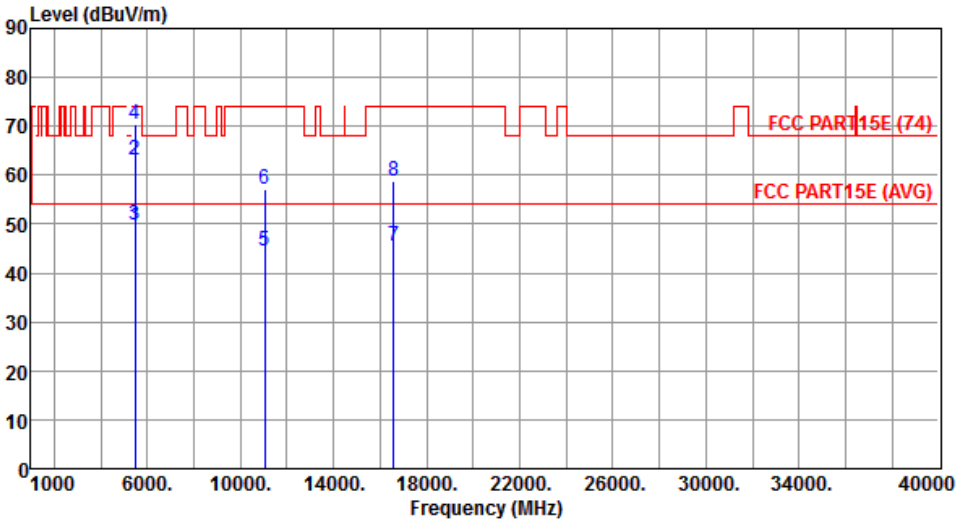
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.08	54.00	-3.92	44.62	5.46	Average	222	87
2	5460.00	63.91	74.00	-10.09	58.45	5.46	Peak	222	87
3	5470.00	51.33	54.00	-2.67	45.86	5.47	Average	222	87
4	5470.00	73.55	74.00	-0.45	68.08	5.47	Peak	222	87
5	11060.00	44.39	54.00	-9.61	30.04	14.35	Average	119	28
6	11060.00	56.88	74.00	-17.12	42.53	14.35	Peak	119	28
7	16590.00	45.31	54.00	-8.69	29.43	15.88	Average	113	24
8	16590.00	58.66	74.00	-15.34	42.78	15.88	Peak	113	24

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

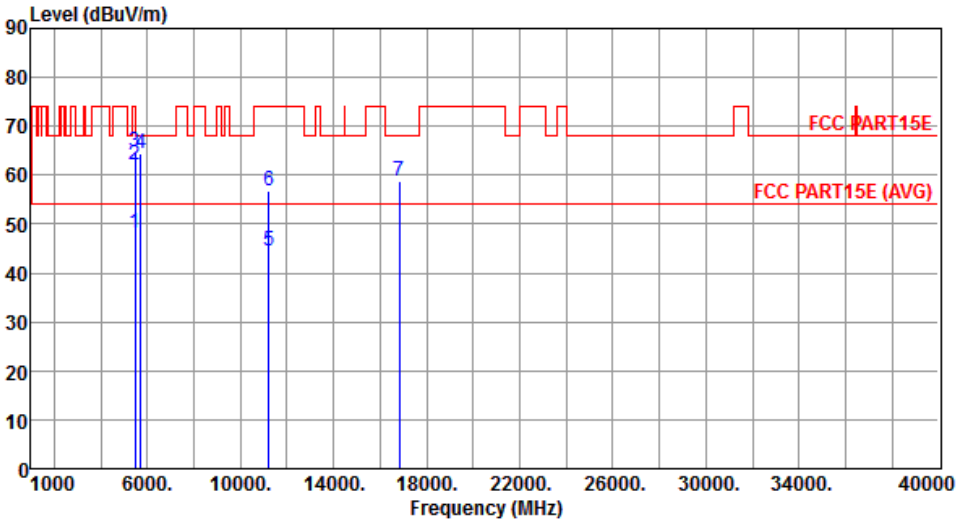
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.45	54.00	-4.55	43.99	5.46	Average	108	175
2	5460.00	63.12	74.00	-10.88	57.66	5.46	Peak	108	175
3	5470.00	49.66	54.00	-4.34	44.19	5.47	Average	108	175
4	5470.00	70.25	74.00	-3.75	64.78	5.47	Peak	108	175
5	11060.00	44.35	54.00	-9.65	30.00	14.35	Average	114	98
6	11060.00	57.24	74.00	-16.76	42.89	14.35	Peak	114	98
7	16590.00	45.62	54.00	-8.38	29.74	15.88	Average	109	91
8	16590.00	58.71	74.00	-15.29	42.83	15.88	Peak	109	91

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

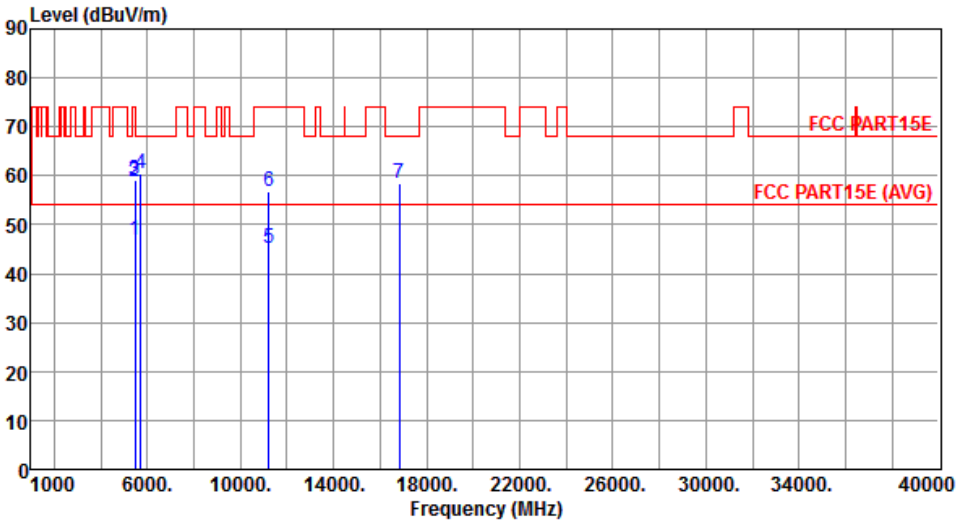
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.30	54.00	-5.70	42.84	5.46	Average	244	90
2	5460.00	62.16	74.00	-11.84	56.70	5.46	Peak	244	90
3	5470.00	64.75	68.20	-3.45	59.28	5.47	Peak	244	90
4	5725.00	64.31	68.20	-3.89	58.50	5.81	Peak	244	90
5	11220.00	44.61	54.00	-9.39	30.12	14.49	Average	100	153
6	11220.00	56.70	74.00	-17.30	42.21	14.49	Peak	100	153
7	16830.00	58.77	68.20	-9.43	42.75	16.02	Peak	100	196

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

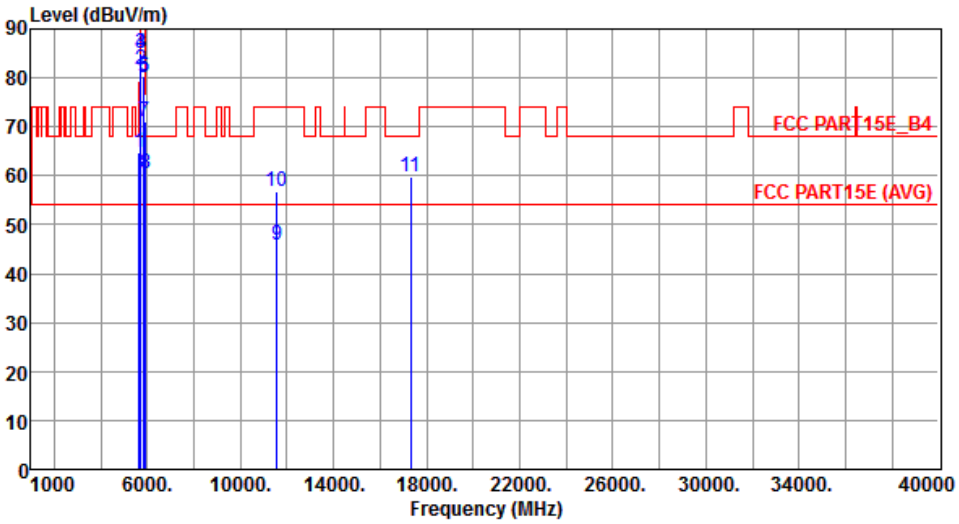
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.67	54.00	-7.33	41.21	5.46	Average	104	255
2	5460.00	58.71	74.00	-15.29	53.25	5.46	Peak	104	255
3	5470.00	59.02	68.20	-9.18	53.55	5.47	Peak	104	255
4	5725.00	60.34	68.20	-7.86	54.53	5.81	Peak	104	255
5	11220.00	45.01	54.00	-8.99	30.52	14.49	Average	100	142
6	11220.00	56.64	74.00	-17.36	42.15	14.49	Peak	100	142
7	16830.00	58.30	68.20	-9.90	42.28	16.02	Peak	100	163

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

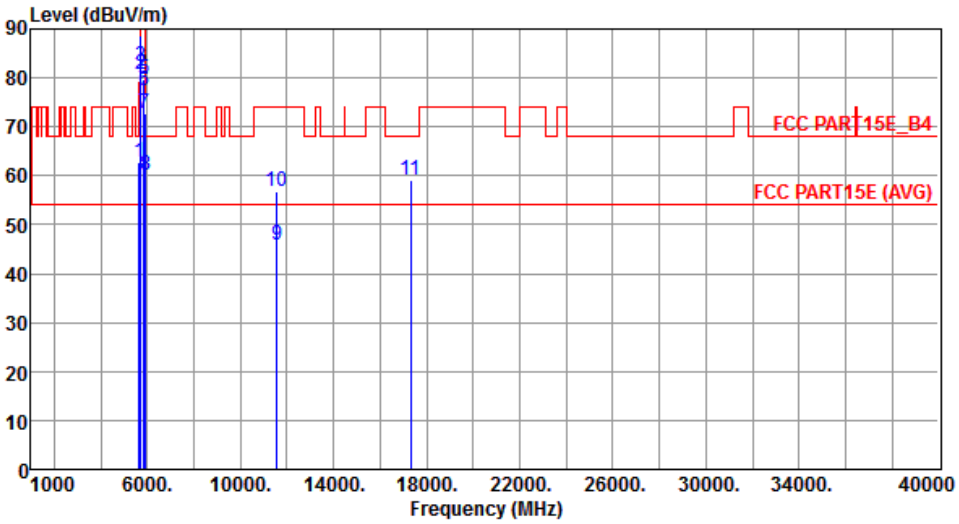
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	64.80	68.20	-3.40	59.11	5.69	Peak	239	82
2	5700.00	81.69	105.20	-23.51	75.92	5.77	Peak	239	82
3	5720.00	84.95	110.80	-25.85	79.16	5.79	Peak	239	82
4	5725.00	85.16	122.20	-37.04	79.35	5.81	Peak	239	82
5	5850.00	79.90	122.20	-42.30	73.91	5.99	Peak	239	82
6	5855.00	80.44	110.80	-30.36	74.44	6.00	Peak	239	82
7	5875.00	71.15	105.20	-34.05	65.13	6.02	Peak	239	82
8	5925.00	60.39	68.20	-7.81	54.30	6.09	Peak	239	82
9	11550.00	45.95	54.00	-8.05	31.31	14.64	Average	100	135
10	11550.00	56.84	74.00	-17.16	42.20	14.64	Peak	100	135
11	17325.00	59.79	68.20	-8.41	42.36	17.43	Peak	100	163

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		



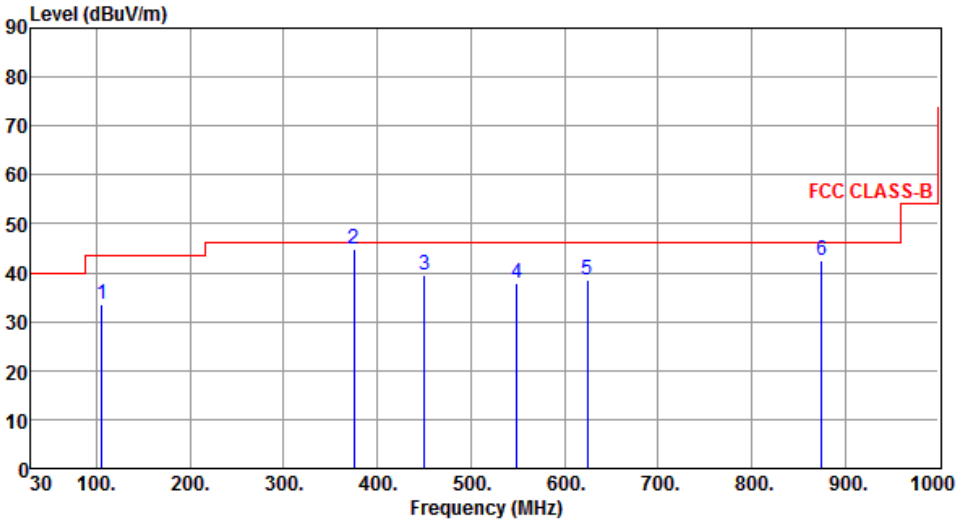
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	62.88	68.20	-5.32	57.19	5.69	Peak	107	342
2	5700.00	80.68	105.20	-24.52	74.91	5.77	Peak	107	342
3	5720.00	82.39	110.80	-28.41	76.60	5.79	Peak	107	342
4	5725.00	88.69	122.20	-33.51	82.88	5.81	Peak	107	342
5	5850.00	79.72	122.20	-42.48	73.73	5.99	Peak	107	342
6	5855.00	77.42	110.80	-33.38	71.42	6.00	Peak	107	342
7	5875.00	72.73	105.20	-32.47	66.71	6.02	Peak	107	342
8	5925.00	60.21	68.20	-7.99	54.12	6.09	Peak	107	342
9	11550.00	45.69	54.00	-8.31	31.05	14.64	Average	100	205
10	11550.00	56.89	74.00	-17.11	42.25	14.64	Peak	100	205
11	17325.00	59.25	68.20	-8.95	41.82	17.43	Peak	100	147

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

Beamforming mode

3.5.18 Transmitter Radiated Unwanted Emissions (Below 1GHz)

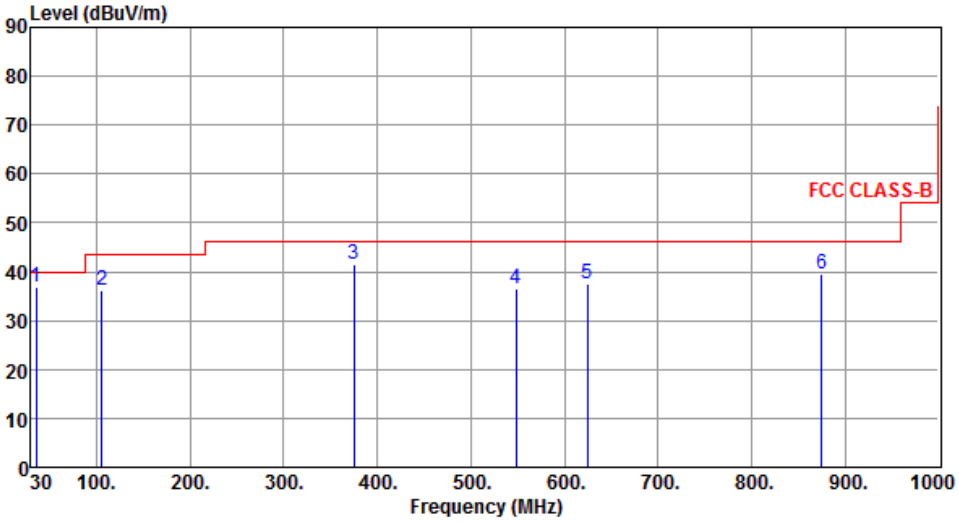
Modulation	VHT40	**Test Freq. (MHz)**	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.42	33.43	43.50	-10.07	46.04	-12.61	Peak	---	---
2	374.99	44.97	46.00	-1.03	50.93	-5.96	QP	100	126
3	450.68	39.37	46.00	-6.63	43.31	-3.94	Peak	---	---
4	548.85	37.96	46.00	-8.04	40.20	-2.24	Peak	---	---
5	624.48	38.65	46.00	-7.35	39.27	-0.62	Peak	---	---
6	874.94	42.46	46.00	-3.54	38.92	3.54	Peak	---	---

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

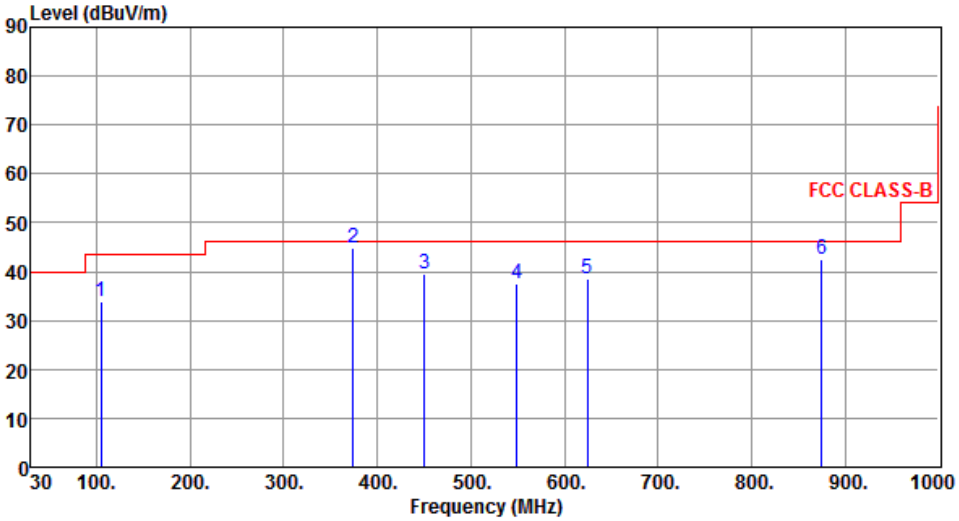
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	35.35	36.74	40.00	-3.26	45.95	-9.21	Peak	---	---
2	105.71	36.28	43.50	-7.22	48.84	-12.56	Peak	---	---
3	374.77	41.36	46.00	-4.64	47.33	-5.97	Peak	---	---
4	548.57	36.65	46.00	-9.35	38.90	-2.25	Peak	---	---
5	624.48	37.56	46.00	-8.44	38.18	-0.62	Peak	---	---
6	874.97	39.58	46.00	-6.42	36.04	3.54	Peak	---	---

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

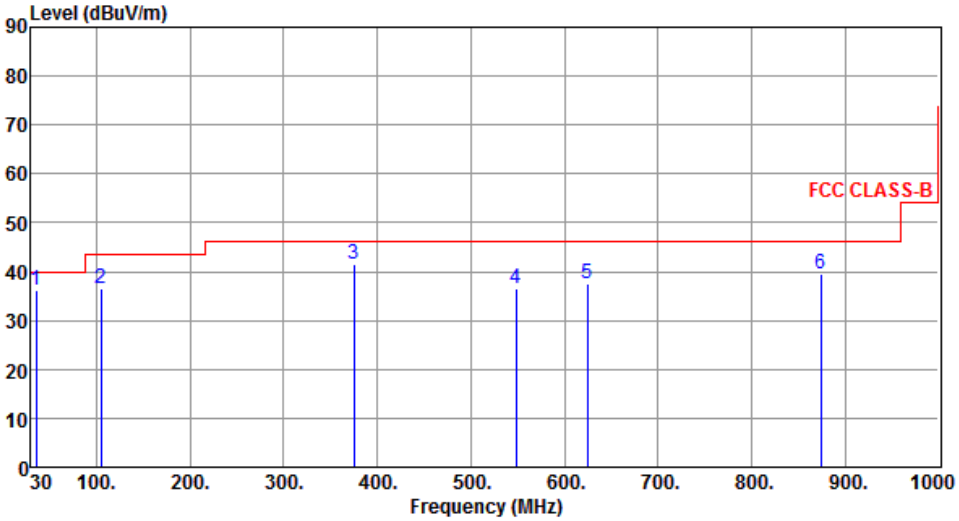
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.16	33.85	43.50	-9.65	46.50	-12.65	Peak	---	---
2	374.47	44.97	46.00	-1.03	50.94	-5.97	QP	100	129
3	450.43	39.55	46.00	-6.45	43.50	-3.95	Peak	---	---
4	548.98	37.44	46.00	-8.56	39.68	-2.24	Peak	---	---
5	624.15	38.48	46.00	-7.52	39.11	-0.63	Peak	---	---
6	874.85	42.44	46.00	-3.56	38.90	3.54	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

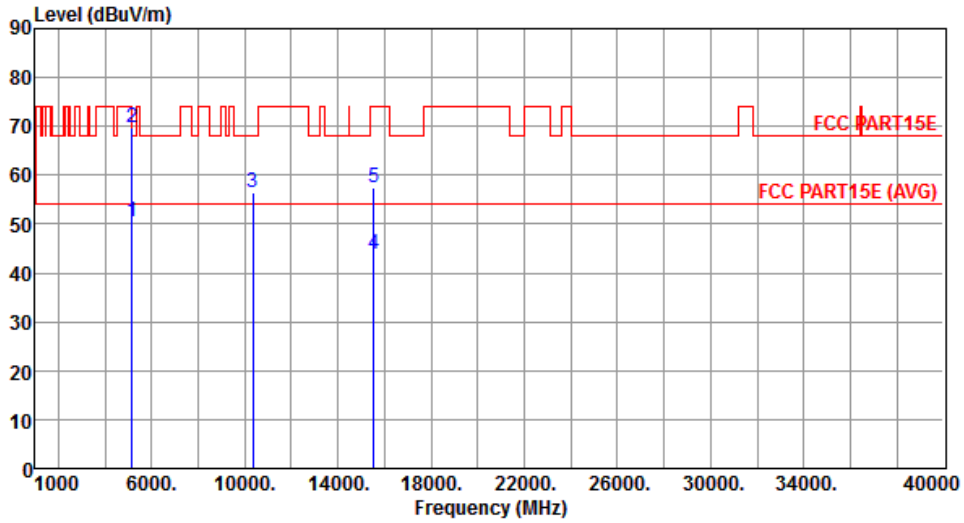


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	35.63	36.28	40.00	-3.72	45.46	-9.18	Peak	---	---
2	105.14	36.46	43.50	-7.04	49.12	-12.66	Peak	---	---
3	374.77	41.65	46.00	-4.35	47.62	-5.97	Peak	---	---
4	548.46	36.52	46.00	-9.48	38.77	-2.25	Peak	---	---
5	624.51	37.49	46.00	-8.51	38.11	-0.62	Peak	---	---
6	874.36	39.66	46.00	-6.34	36.13	3.53	Peak	---	---

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

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

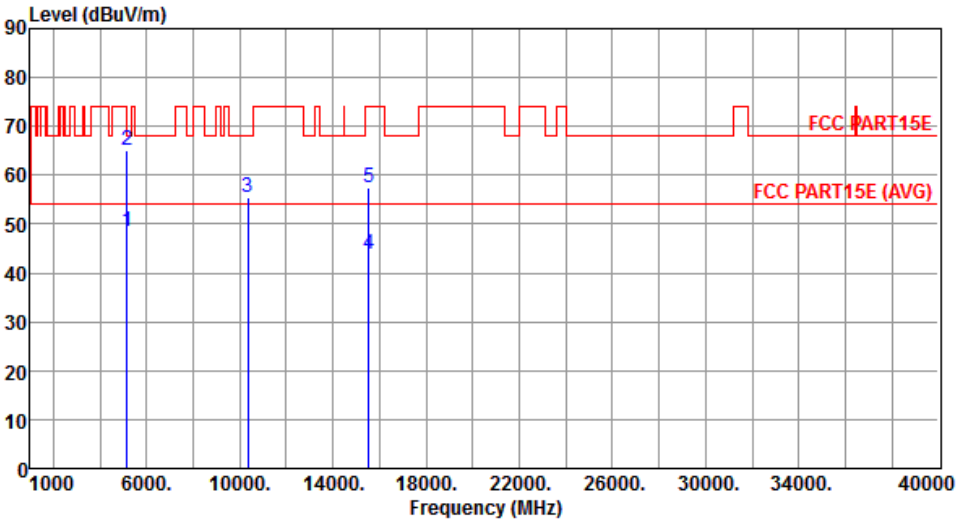
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.32	54.00	-3.68	45.11	5.21	Average	265	80
2	5150.00	69.60	74.00	-4.40	64.39	5.21	Peak	265	80
3	10360.00	56.41	68.20	-11.79	42.51	13.90	Peak	185	110
4	15540.00	43.71	54.00	-10.29	28.54	15.17	Average	100	157
5	15540.00	57.55	74.00	-16.45	42.38	15.17	Peak	100	310

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

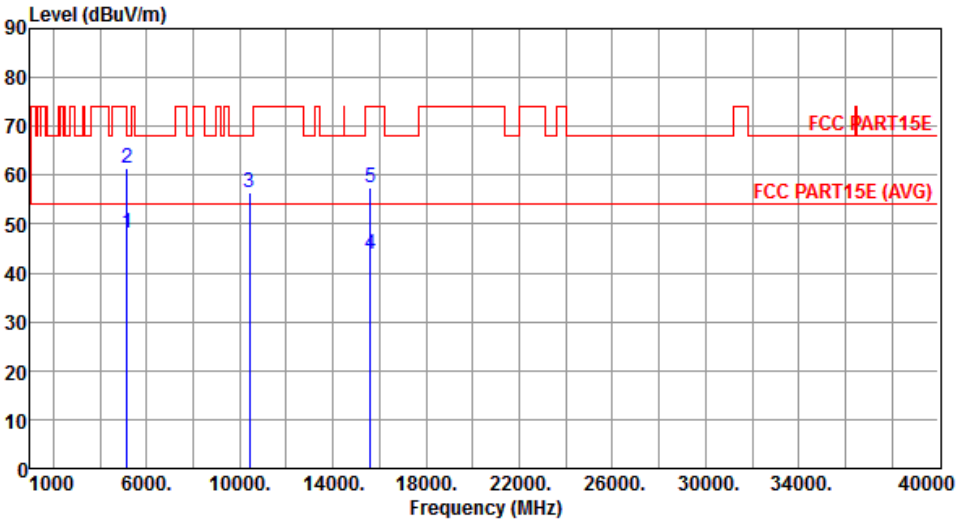
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.56	54.00	-5.44	43.35	5.21	Average	125	272
2	5150.00	64.96	74.00	-9.04	59.75	5.21	Peak	125	272
3	10360.00	55.44	68.20	-12.76	41.54	13.90	Peak	249	245
4	15540.00	43.94	54.00	-10.06	28.77	15.17	Average	100	163
5	15540.00	57.32	74.00	-16.68	42.15	15.17	Peak	100	163

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

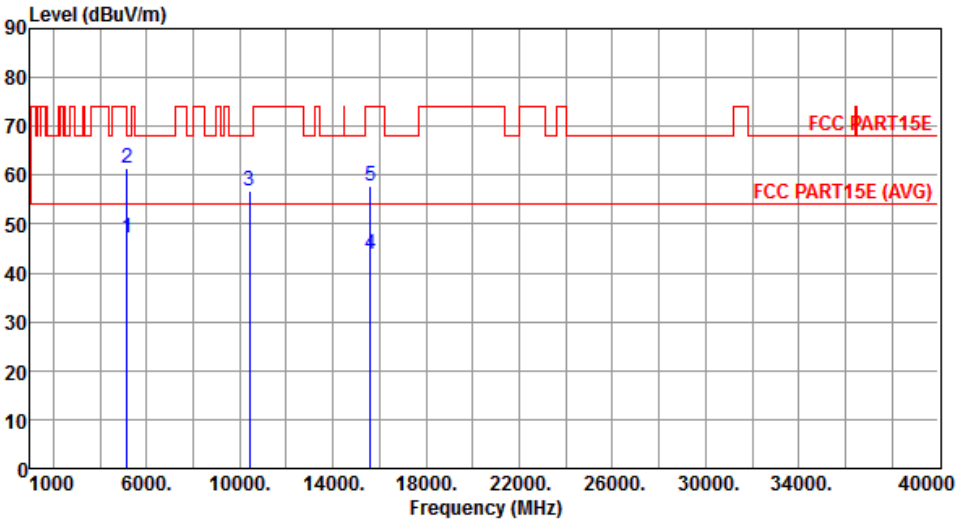
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.32	54.00	-5.68	43.11	5.21	Average	264	98
2	5150.00	61.52	74.00	-12.48	56.31	5.21	Peak	264	98
3	10400.00	56.47	68.20	-11.73	42.55	13.92	Peak	100	168
4	15600.00	43.68	54.00	-10.32	28.54	15.14	Average	100	177
5	15600.00	57.49	74.00	-16.51	42.35	15.14	Peak	100	177

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

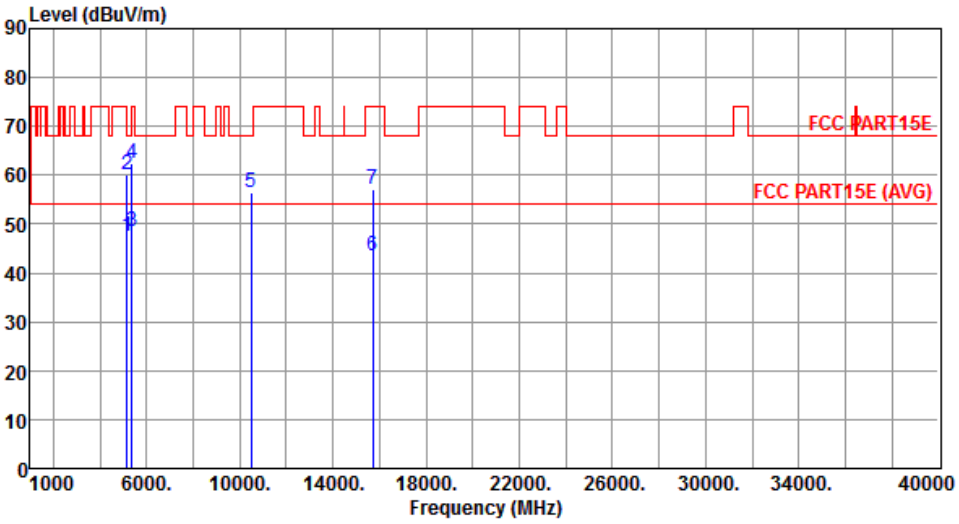
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		



	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	47.07	54.00	-6.93	41.86	5.21	Average	152	169
2	5150.00	61.32	74.00	-12.68	56.11	5.21	Peak	152	169
3	10400.00	56.68	68.20	-11.52	42.76	13.92	Peak	100	285
4	15600.00	43.81	54.00	-10.19	28.67	15.14	Average	100	125
5	15600.00	57.70	74.00	-16.30	42.56	15.14	Peak	100	125

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

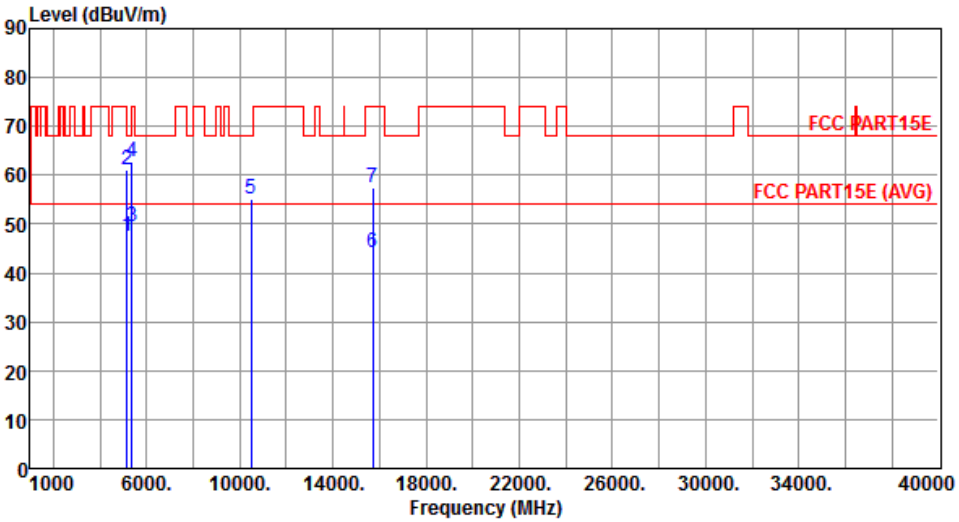
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		



	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	47.44	54.00	-6.56	42.23	5.21	Average	275	106
2	5150.00	59.97	74.00	-14.03	54.76	5.21	Peak	275	106
3	5350.00	48.46	54.00	-5.54	42.96	5.50	Average	275	106
4	5350.00	62.49	74.00	-11.51	56.99	5.50	Peak	275	106
5	10480.00	56.44	68.20	-11.76	42.49	13.95	Peak	188	109
6	15720.00	43.66	54.00	-10.34	28.55	15.11	Average	100	154
7	15720.00	57.26	74.00	-16.74	42.15	15.11	Peak	100	154

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

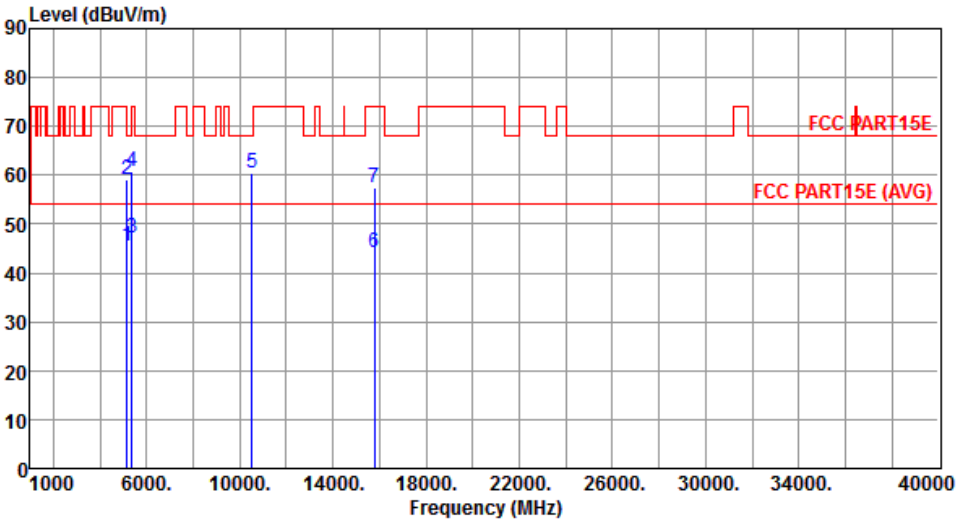
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		



	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	47.45	54.00	-6.55	42.24	5.21	Average	131	270
2	5150.00	61.14	74.00	-12.86	55.93	5.21	Peak	131	270
3	5350.00	49.51	54.00	-4.49	44.01	5.50	Average	131	270
4	5350.00	62.84	74.00	-11.16	57.34	5.50	Peak	131	270
5	10480.00	55.16	68.20	-13.04	41.21	13.95	Peak	251	241
6	15720.00	44.15	54.00	-9.85	29.04	15.11	Average	100	168
7	15720.00	57.54	74.00	-16.46	42.43	15.11	Peak	100	168

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

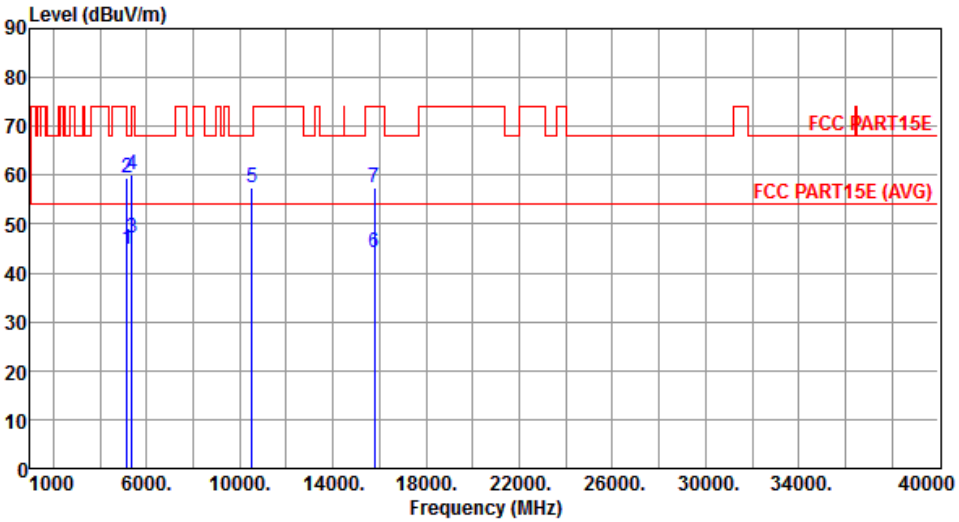
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	45.63	54.00	-8.37	40.42	5.21	Average	285	111
2	5150.00	59.09	74.00	-14.91	53.88	5.21	Peak	285	111
3	5350.00	47.17	54.00	-6.83	41.67	5.50	Average	285	111
4	5350.00	60.87	74.00	-13.13	55.37	5.50	Peak	285	111
5	10520.00	60.52	68.20	-7.68	46.54	13.98	Peak	280	122
6	15780.00	44.13	54.00	-9.87	29.06	15.07	Average	100	116
7	15780.00	57.54	74.00	-16.46	42.47	15.07	Peak	100	116

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

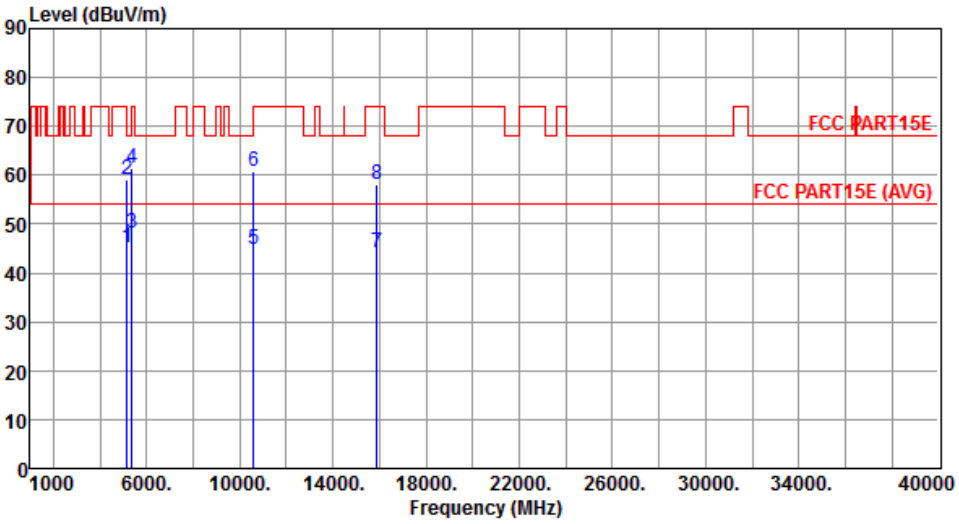
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.99	54.00	-9.01	39.78	5.21	Average	140	272
2	5150.00	59.43	74.00	-14.57	54.22	5.21	Peak	140	272
3	5350.00	47.12	54.00	-6.88	41.62	5.50	Average	140	272
4	5350.00	60.15	74.00	-13.85	54.65	5.50	Peak	140	272
5	10520.00	57.52	68.20	-10.68	43.54	13.98	Peak	100	348
6	15780.00	44.12	54.00	-9.88	29.05	15.07	Average	100	45
7	15780.00	57.54	74.00	-16.46	42.47	15.07	Peak	100	45

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

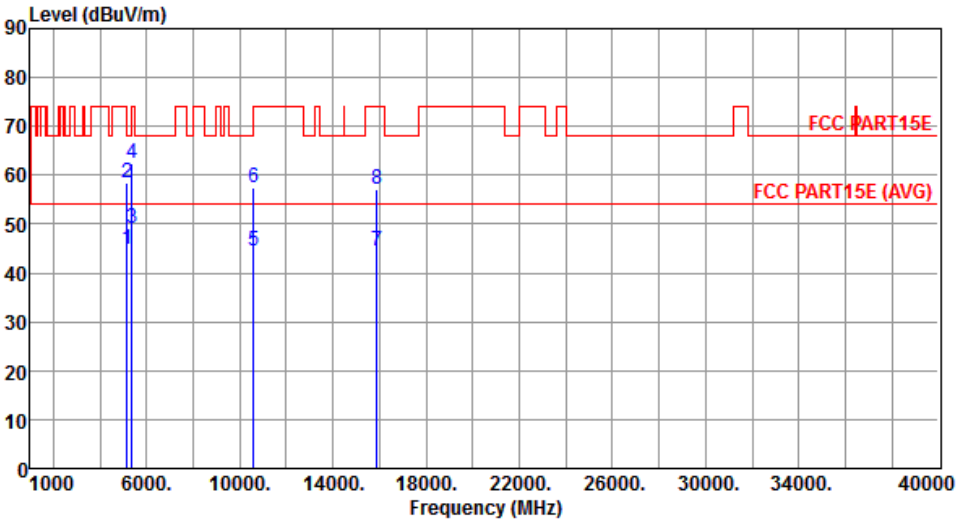
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		



	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	45.01	54.00	-8.99	39.80	5.21	Average	290	109
2	5150.00	59.02	74.00	-14.98	53.81	5.21	Peak	290	109
3	5350.00	48.30	54.00	-5.70	42.80	5.50	Average	290	109
4	5350.00	61.29	74.00	-12.71	55.79	5.50	Peak	290	109
5	10600.00	44.97	54.00	-9.03	30.91	14.06	Average	280	123
6	10600.00	60.65	74.00	-13.35	46.59	14.06	Peak	280	123
7	15900.00	44.07	54.00	-9.93	29.03	15.04	Average	100	126
8	15900.00	58.11	74.00	-15.89	43.07	15.04	Peak	100	126

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

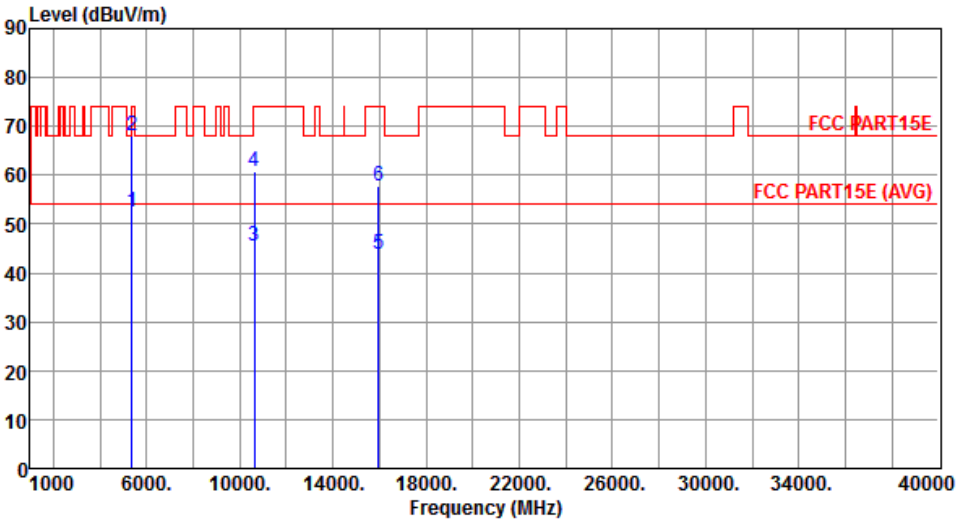
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.99	54.00	-9.01	39.78	5.21	Average	115	275
2	5150.00	58.33	74.00	-15.67	53.12	5.21	Peak	115	275
3	5350.00	49.10	54.00	-4.90	43.60	5.50	Average	115	275
4	5350.00	62.59	74.00	-11.41	57.09	5.50	Peak	115	275
5	10600.00	44.43	54.00	-9.57	30.37	14.06	Average	100	128
6	10600.00	57.47	74.00	-16.53	43.41	14.06	Peak	100	128
7	15900.00	44.55	54.00	-9.45	29.51	15.04	Average	100	43
8	15900.00	57.11	74.00	-16.89	42.07	15.04	Peak	100	43

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

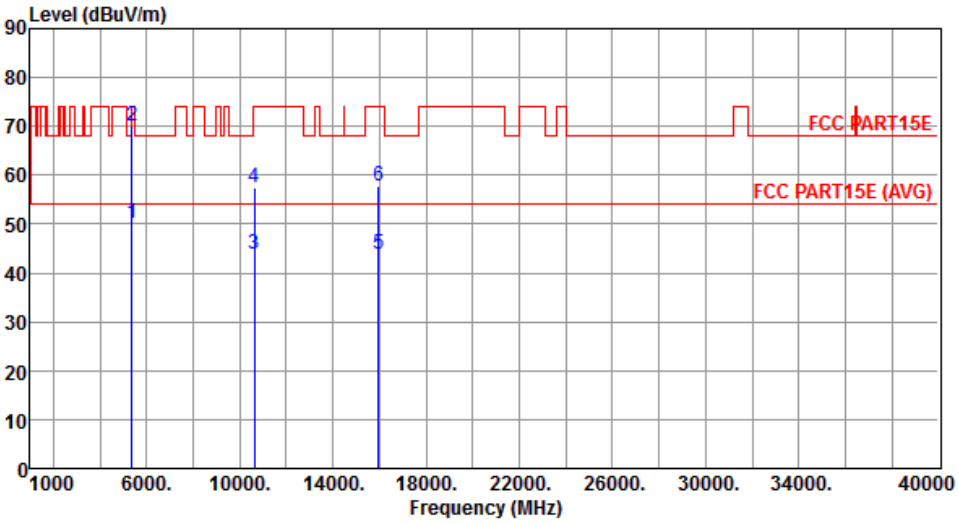
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.39	54.00	-1.61	46.89	5.50	Average	291	113
2	5350.00	68.12	74.00	-5.88	62.62	5.50	Peak	291	113
3	10640.00	45.48	54.00	-8.52	31.37	14.11	Average	279	120
4	10640.00	60.88	74.00	-13.12	46.77	14.11	Peak	279	120
5	15960.00	43.74	54.00	-10.26	28.73	15.01	Average	100	115
6	15960.00	57.91	74.00	-16.09	42.90	15.01	Peak	100	115

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

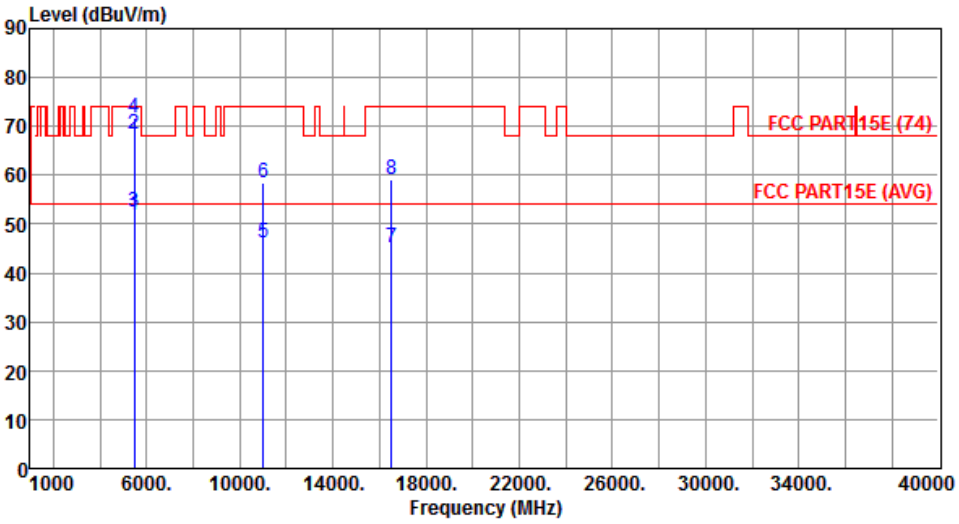
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	50.20	54.00	-3.80	44.70	5.50	Average	139	269
2	5350.00	70.08	74.00	-3.92	64.58	5.50	Peak	139	269
3	10640.00	43.77	54.00	-10.23	29.66	14.11	Average	100	125
4	10640.00	57.31	74.00	-16.69	43.20	14.11	Peak	100	125
5	15960.00	43.78	54.00	-10.22	28.77	15.01	Average	100	35
6	15960.00	57.78	74.00	-16.22	42.77	15.01	Peak	100	35

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

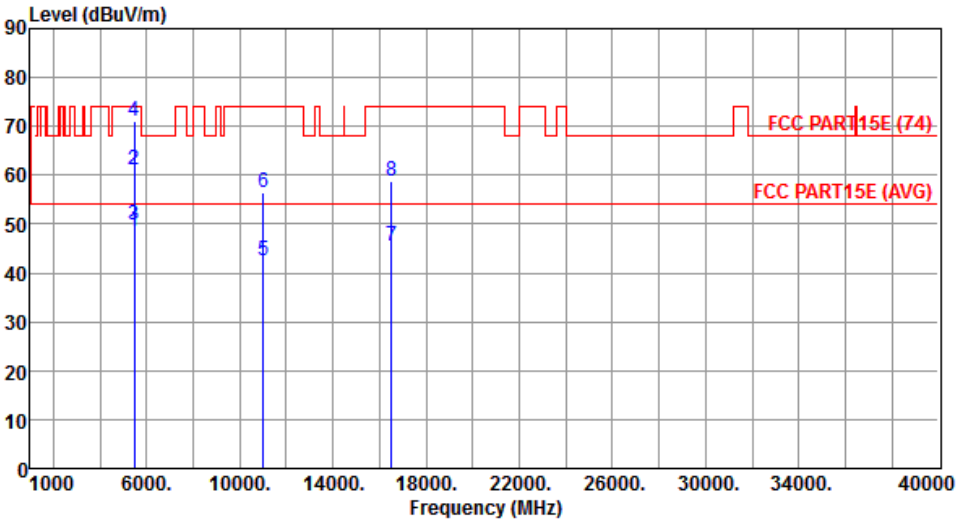
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	51.73	54.00	-2.27	46.08	5.65	Average	288	113
2	5460.00	68.44	74.00	-5.56	62.79	5.65	Peak	288	113
3	5470.00	52.42	54.00	-1.58	46.76	5.66	Average	288	113
4	5470.00	71.79	74.00	-2.21	66.13	5.66	Peak	288	113
5	11000.00	46.24	54.00	-7.76	31.78	14.46	Average	100	221
6	11000.00	58.34	74.00	-15.66	43.88	14.46	Peak	100	221
7	16500.00	45.27	54.00	-8.73	29.21	16.06	Average	100	330
8	16500.00	59.01	74.00	-14.99	42.95	16.06	Peak	100	330

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

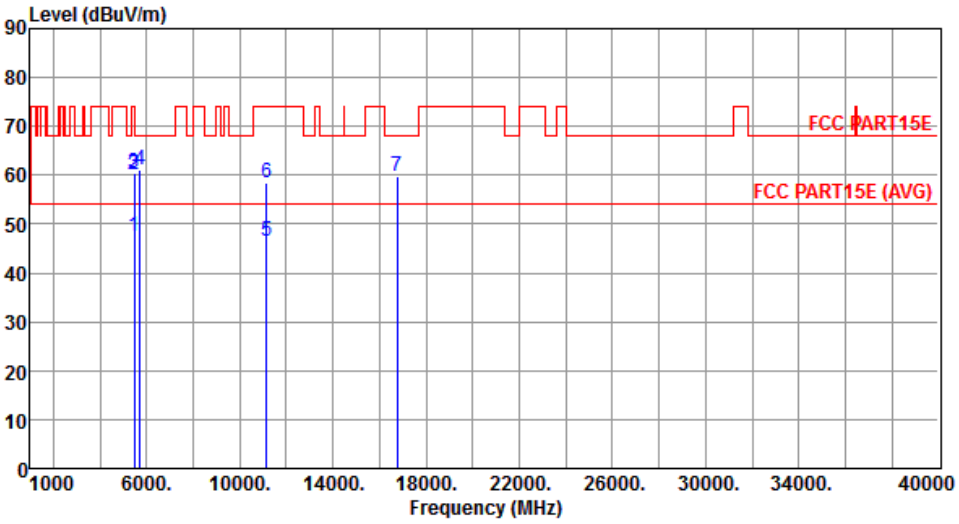
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.41	54.00	-5.59	42.76	5.65	Average	101	178
2	5460.00	61.24	74.00	-12.76	55.59	5.65	Peak	101	178
3	5470.00	49.75	54.00	-4.25	44.09	5.66	Average	101	178
4	5470.00	71.20	74.00	-2.80	65.54	5.66	Peak	101	178
5	11000.00	42.51	54.00	-11.49	28.05	14.46	Average	100	150
6	11000.00	56.58	74.00	-17.42	42.12	14.46	Peak	100	150
7	16500.00	45.40	54.00	-8.60	29.34	16.06	Average	100	30
8	16500.00	58.81	74.00	-15.19	42.75	16.06	Peak	100	30

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

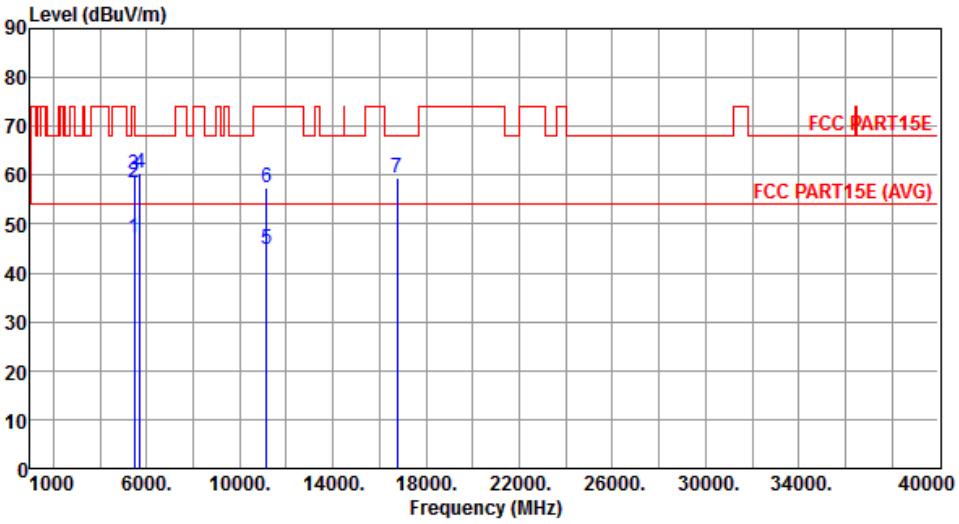
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.44	54.00	-6.56	41.79	5.65	Average	252	114
2	5460.00	60.01	74.00	-13.99	54.36	5.65	Peak	252	114
3	5470.00	60.59	68.20	-7.61	54.93	5.66	Peak	252	114
4	5725.00	61.18	68.20	-7.02	55.19	5.99	Peak	252	114
5	11160.00	46.34	54.00	-7.66	31.74	14.60	Average	100	225
6	11160.00	58.34	74.00	-15.66	43.74	14.60	Peak	100	225
7	16740.00	59.75	68.20	-8.45	43.58	16.17	Peak	100	312

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

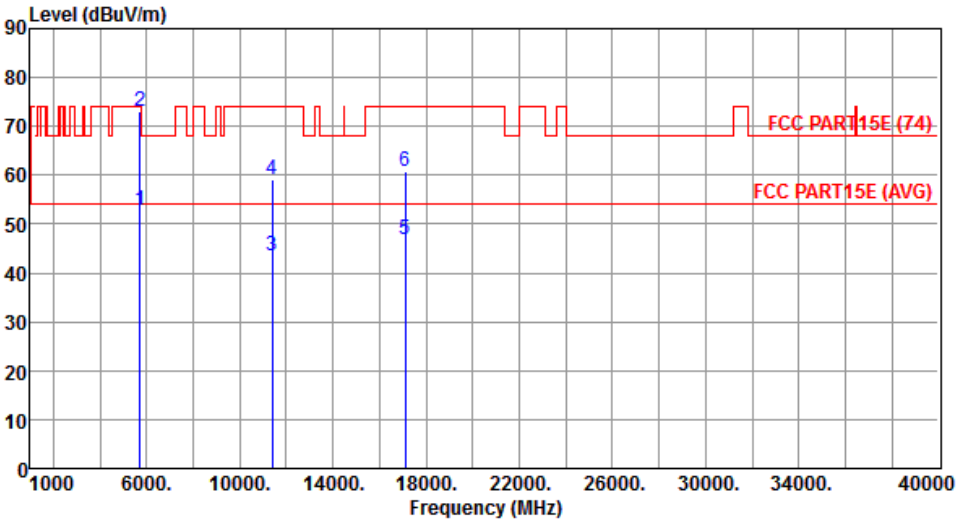
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.01	54.00	-6.99	41.36	5.65	Average	100	285
2	5460.00	58.44	74.00	-15.56	52.79	5.65	Peak	100	285
3	5470.00	60.18	68.20	-8.02	54.52	5.66	Peak	100	285
4	5725.00	60.45	68.20	-7.75	54.46	5.99	Peak	100	285
5	11160.00	44.84	54.00	-9.16	30.24	14.60	Average	100	258
6	11160.00	57.57	74.00	-16.43	42.97	14.60	Peak	100	258
7	16740.00	59.58	68.20	-8.62	43.41	16.17	Peak	100	41

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

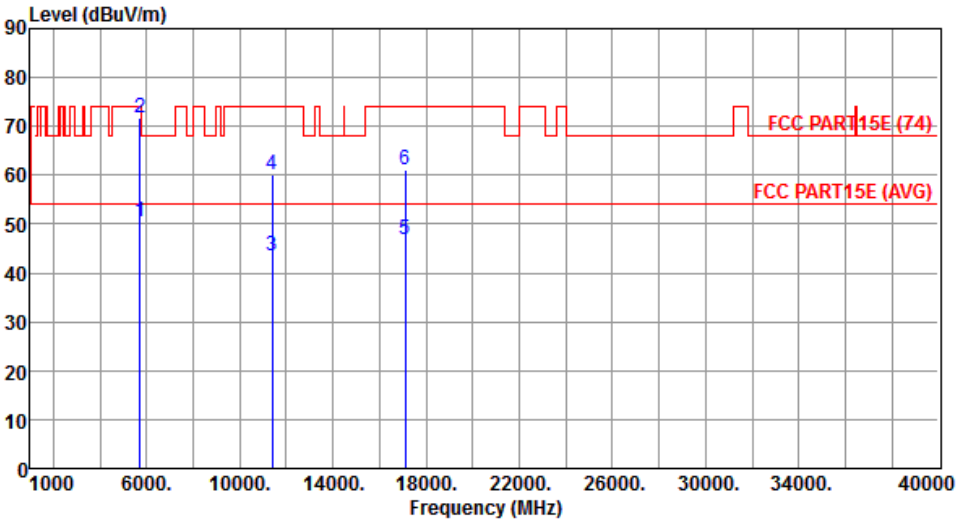
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	52.76	54.00	-1.24	46.77	5.99	Average	316	102
2	5725.00	72.93	74.00	-1.07	66.94	5.99	Peak	316	102
3	11400.00	43.61	54.00	-10.39	28.79	14.82	Average	230	99
4	11400.00	59.18	74.00	-14.82	44.36	14.82	Peak	230	99
5	17100.00	46.87	54.00	-7.13	30.17	16.70	Average	100	250
6	17100.00	60.94	74.00	-13.06	44.24	16.70	Peak	100	250

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

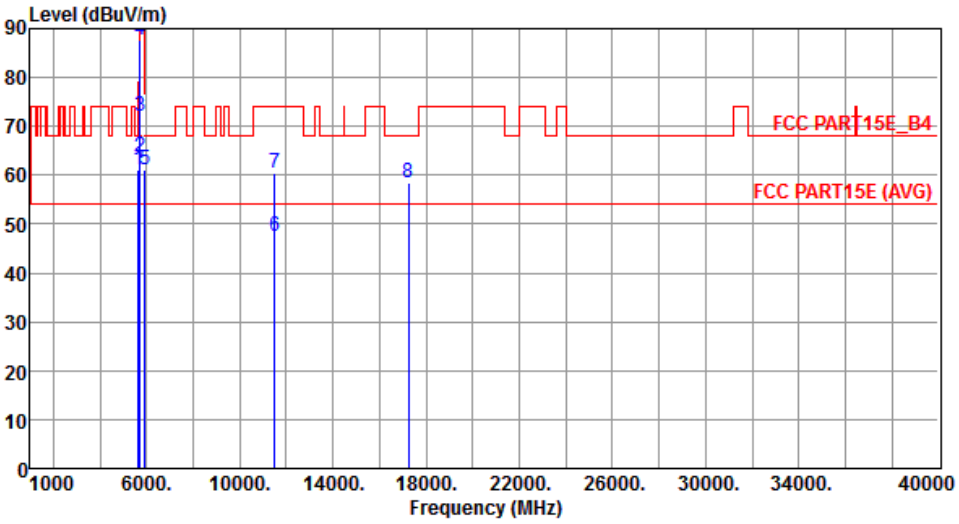
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	50.57	54.00	-3.43	44.58	5.99	Average	100	283
2	5725.00	71.57	74.00	-2.43	65.58	5.99	Peak	100	283
3	11400.00	43.56	54.00	-10.44	28.74	14.82	Average	115	103
4	11400.00	60.14	74.00	-13.86	45.32	14.82	Peak	115	103
5	17100.00	46.80	54.00	-7.20	30.10	16.70	Average	100	230
6	17100.00	60.95	74.00	-13.05	44.25	16.70	Peak	100	230

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

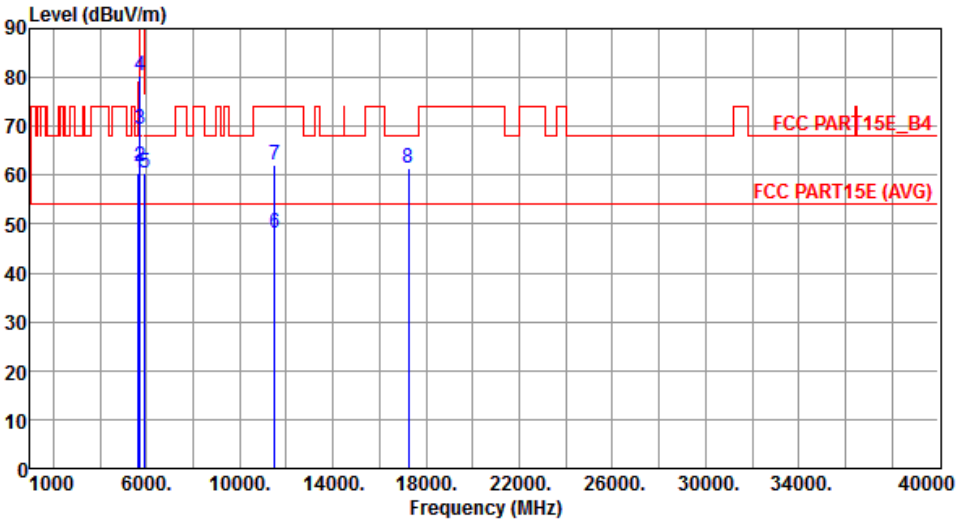
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.18	68.20	-7.02	55.31	5.87	Peak	240	98
2	5700.00	63.85	105.20	-41.35	57.89	5.96	Peak	240	98
3	5720.00	71.94	110.80	-38.86	65.96	5.98	Peak	240	98
4	5725.00	87.67	122.20	-34.53	81.68	5.99	Peak	240	98
5	5925.00	61.04	68.20	-7.16	54.78	6.26	Peak	240	98
6	11490.00	47.50	54.00	-6.50	32.60	14.90	Average	108	88
7	11490.00	60.45	74.00	-13.55	45.55	14.90	Peak	108	88
8	17235.00	58.55	68.20	-9.65	41.29	17.26	Peak	100	158

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

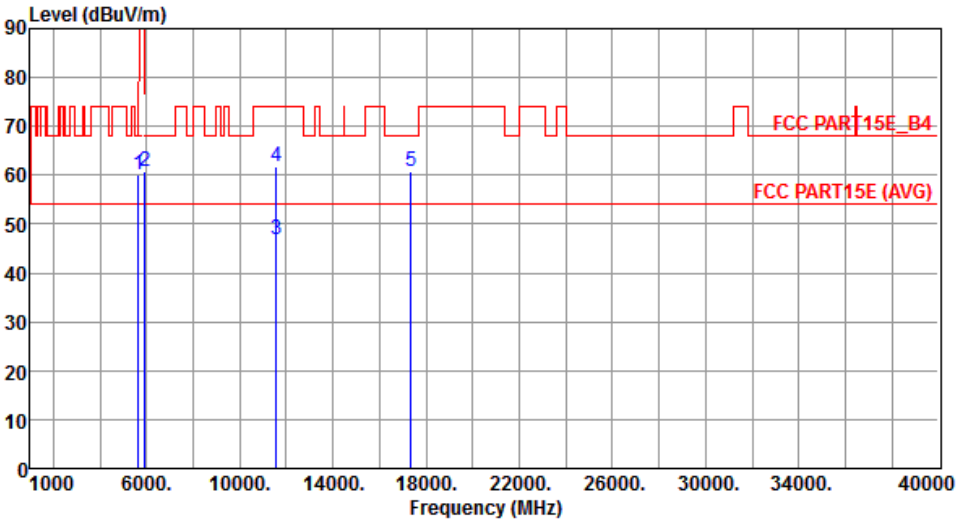
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.28	68.20	-7.92	54.41	5.87	Peak	100	307
2	5700.00	61.78	105.20	-43.42	55.82	5.96	Peak	100	307
3	5720.00	69.46	110.80	-41.34	63.48	5.98	Peak	100	307
4	5725.00	80.53	122.20	-41.67	74.54	5.99	Peak	100	307
5	5925.00	60.51	68.20	-7.69	54.25	6.26	Peak	100	307
6	11490.00	48.28	54.00	-5.72	33.38	14.90	Average	102	106
7	11490.00	62.16	74.00	-11.84	47.26	14.90	Peak	102	106
8	17235.00	61.28	68.20	-6.92	44.02	17.26	Peak	284	266

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

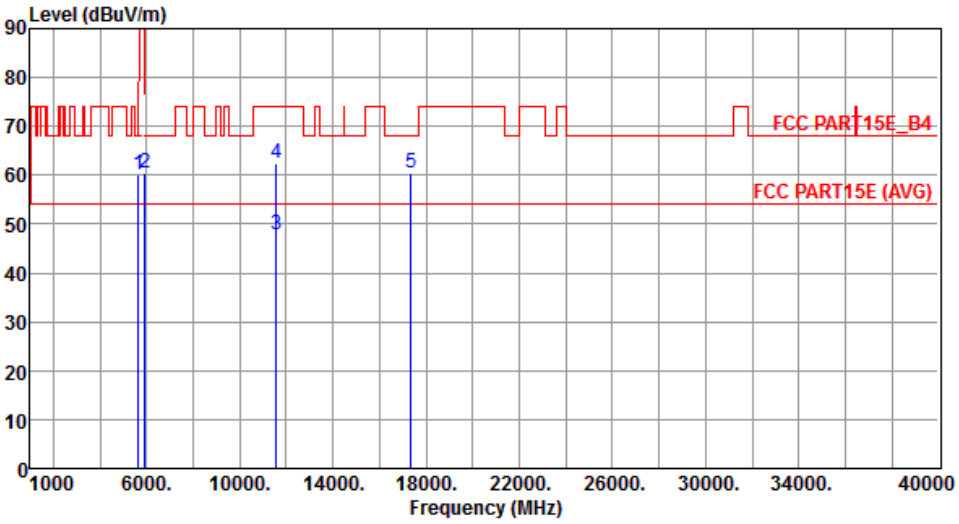
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.12	68.20	-8.08	54.25	5.87	Peak	267	83
2	5925.00	60.81	68.20	-7.39	54.55	6.26	Peak	267	83
3	11570.00	46.76	54.00	-7.24	31.99	14.77	Average	212	115
4	11570.00	61.80	74.00	-12.20	47.03	14.77	Peak	212	115
5	17355.00	60.77	68.20	-7.43	43.02	17.75	Peak	100	165

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

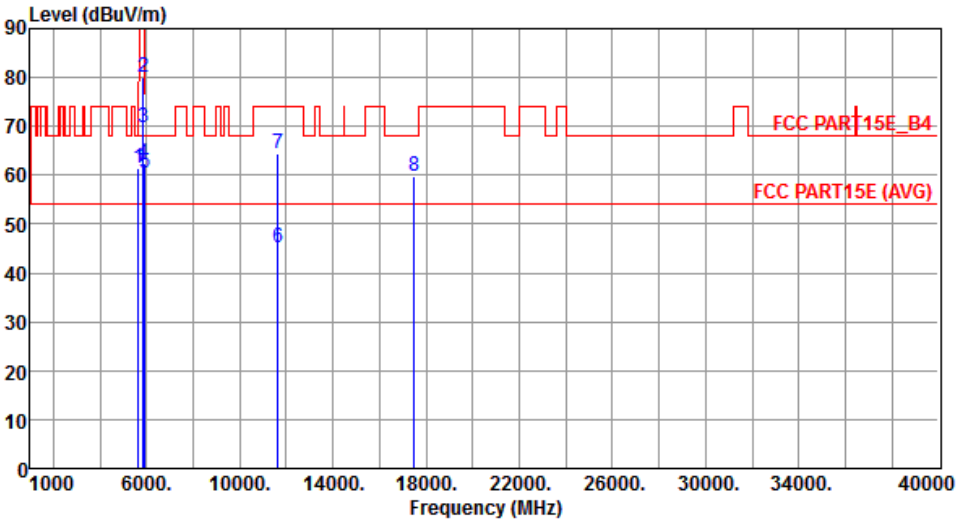
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	60.05	68.20	-8.15	54.18	5.87	Peak	100	305
2	5925.00	60.37	68.20	-7.83	54.11	6.26	Peak	100	305
3	11570.00	47.92	54.00	-6.08	33.15	14.77	Average	110	107
4	11570.00	62.45	74.00	-11.55	47.68	14.77	Peak	110	107
5	17355.00	60.45	68.20	-7.75	42.70	17.75	Peak	100	145

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

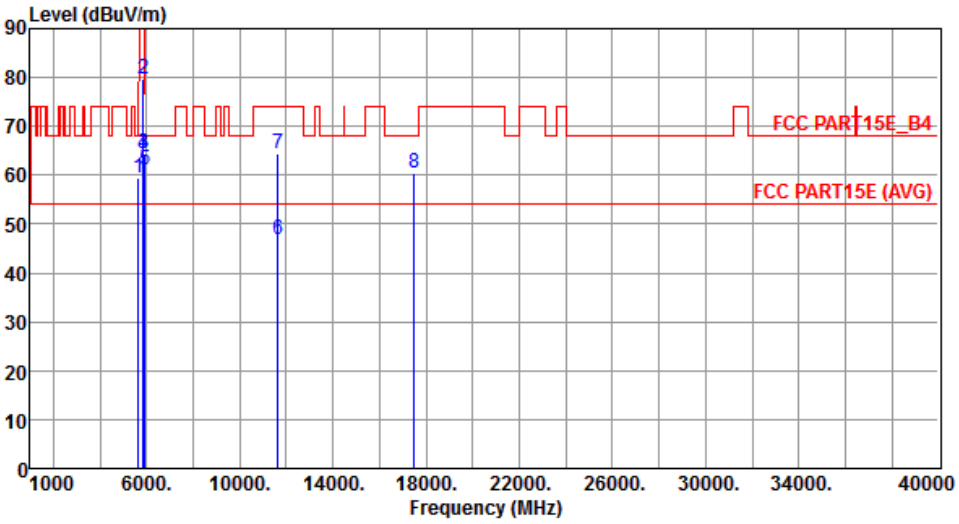
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.33	68.20	-6.87	55.46	5.87	Peak	238	79
2	5850.00	79.92	122.20	-42.28	73.75	6.17	Peak	238	79
3	5855.00	69.73	110.80	-41.07	63.55	6.18	Peak	238	79
4	5875.00	62.32	105.20	-42.88	56.12	6.20	Peak	238	79
5	5925.00	60.57	68.20	-7.63	54.31	6.26	Peak	100	79
6	11650.00	45.10	54.00	-8.90	30.49	14.61	Average	200	102
7	11650.00	64.56	74.00	-9.44	49.95	14.61	Peak	200	102
8	17475.00	59.81	68.20	-8.39	41.56	18.25	Peak	100	145

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

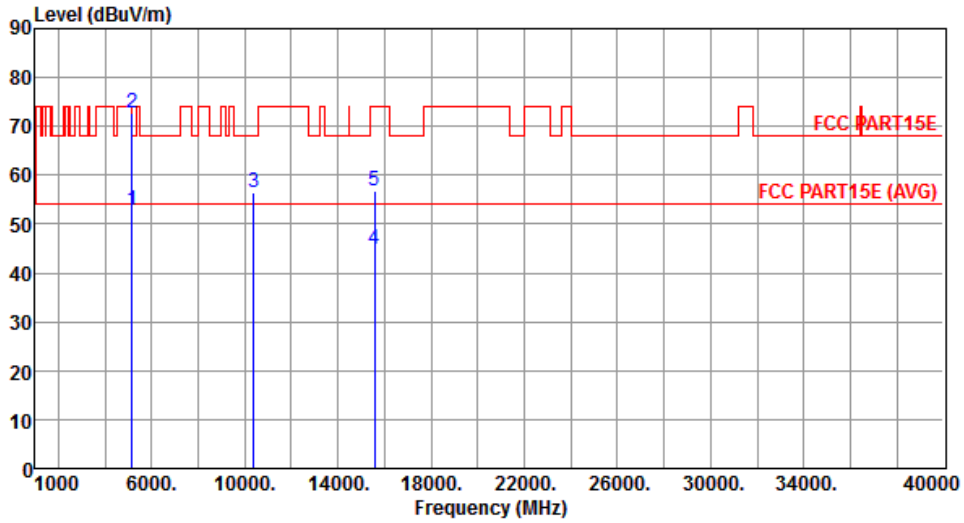


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	59.58	68.20	-8.62	53.71	5.87	Peak	104	38
2	5850.00	79.57	122.20	-42.63	73.40	6.17	Peak	104	38
3	5855.00	64.50	110.80	-46.30	58.32	6.18	Peak	104	38
4	5875.00	64.43	105.20	-40.77	58.23	6.20	Peak	104	38
5	5925.00	61.06	68.20	-7.14	54.80	6.26	Peak	104	38
6	11650.00	46.80	54.00	-7.20	32.19	14.61	Average	120	105
7	11650.00	64.39	74.00	-9.61	49.78	14.61	Peak	120	105
8	17475.00	60.30	68.20	-7.90	42.05	18.25	Peak	100	143

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

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

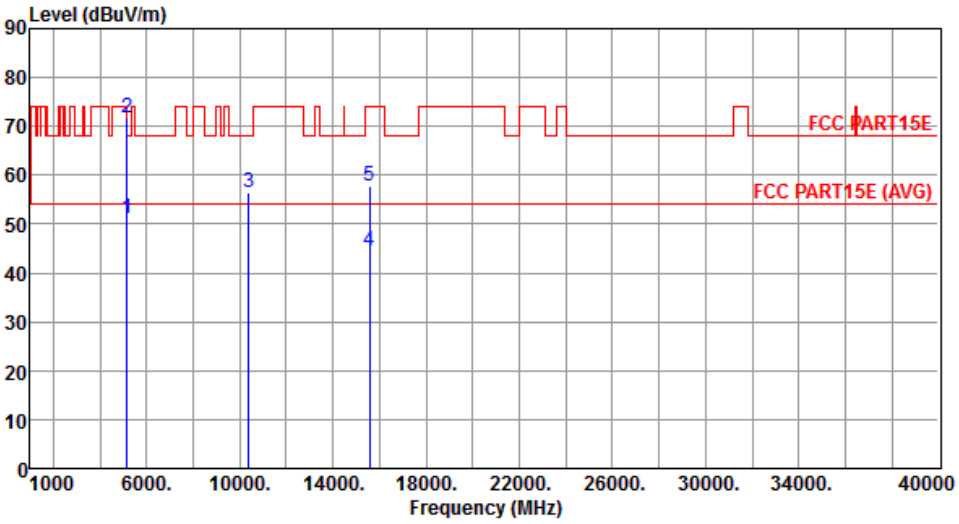
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.75	54.00	-1.25	47.54	5.21	Average	263	93
2	5150.00	72.76	74.00	-1.24	67.55	5.21	Peak	263	93
3	10380.00	56.46	68.20	-11.74	42.56	13.90	Peak	100	155
4	15570.00	44.69	54.00	-9.31	29.53	15.16	Average	100	196
5	15570.00	56.93	74.00	-17.07	41.77	15.16	Peak	100	196

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

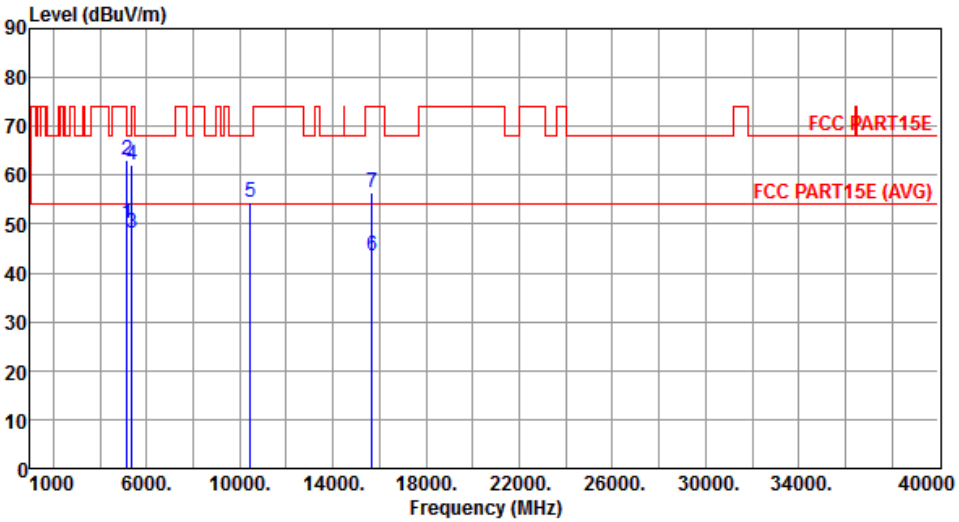
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.16	54.00	-2.84	45.95	5.21	Average	122	251
2	5150.00	71.77	74.00	-2.23	66.56	5.21	Peak	122	251
3	10380.00	56.47	68.20	-11.73	42.57	13.90	Peak	100	175
4	15570.00	44.60	54.00	-9.40	29.44	15.16	Average	100	56
5	15570.00	57.76	74.00	-16.24	42.60	15.16	Peak	100	56

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

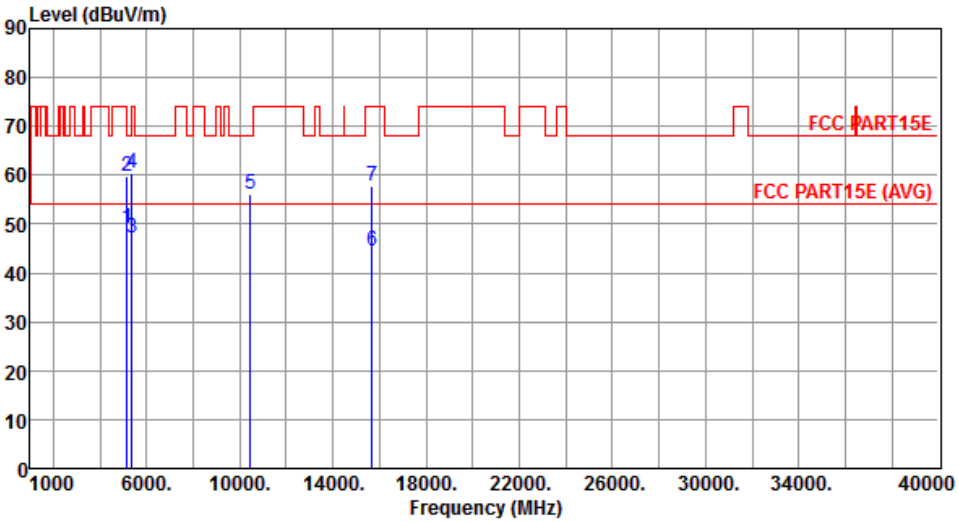
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.11	54.00	-3.89	44.90	5.21	Average	278	81
2	5150.00	63.08	74.00	-10.92	57.87	5.21	Peak	278	81
3	5350.00	48.26	54.00	-5.74	42.76	5.50	Average	278	81
4	5350.00	62.04	74.00	-11.96	56.54	5.50	Peak	278	81
5	10460.00	54.49	68.20	-13.71	40.55	13.94	Peak	100	152
6	15690.00	43.46	54.00	-10.54	28.34	15.12	Average	100	185
7	15690.00	56.55	74.00	-17.45	41.43	15.12	Peak	100	185

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

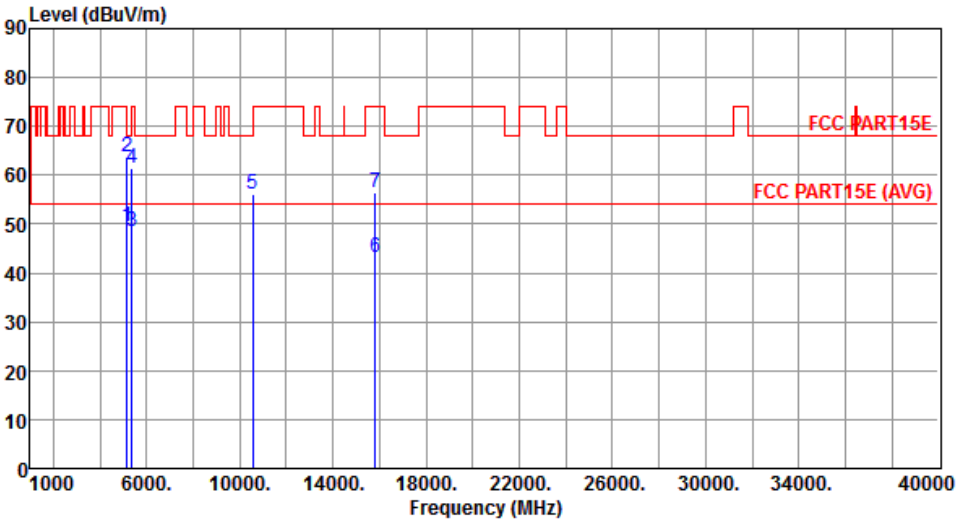
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.16	54.00	-4.84	43.95	5.21	Average	108	270
2	5150.00	59.86	74.00	-14.14	54.65	5.21	Peak	108	270
3	5350.00	47.28	54.00	-6.72	41.78	5.50	Average	108	270
4	5350.00	60.41	74.00	-13.59	54.91	5.50	Peak	108	270
5	10460.00	56.19	68.20	-12.01	42.25	13.94	Peak	100	177
6	15690.00	44.47	54.00	-9.53	29.35	15.12	Average	100	25
7	15690.00	57.89	74.00	-16.11	42.77	15.12	Peak	100	25

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

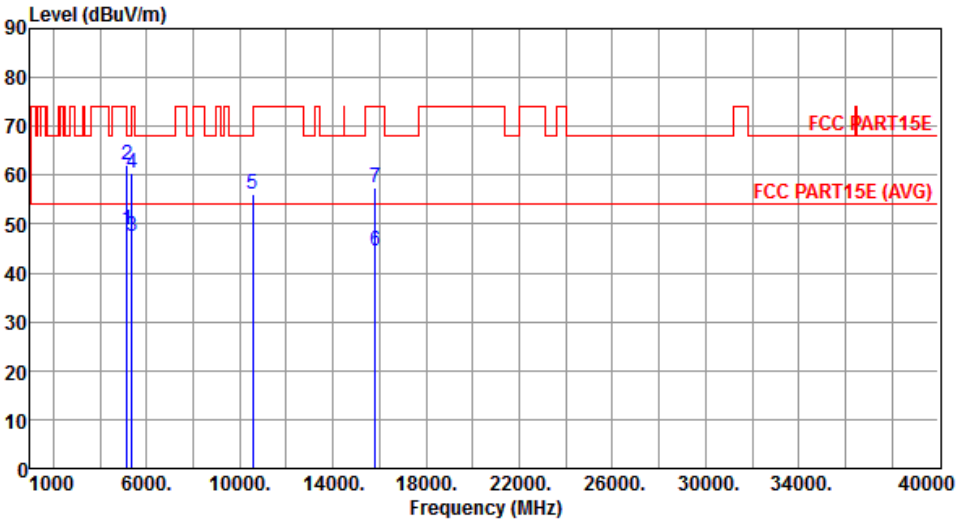
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.43	54.00	-4.57	44.22	5.21	Average	248	77
2	5150.00	63.64	74.00	-10.36	58.43	5.21	Peak	248	77
3	5350.00	48.43	54.00	-5.57	42.93	5.50	Average	248	77
4	5350.00	61.46	74.00	-12.54	55.96	5.50	Peak	248	77
5	10540.00	56.28	68.20	-11.92	42.28	14.00	Peak	100	143
6	15810.00	43.23	54.00	-10.77	28.17	15.06	Average	100	258
7	15810.00	56.51	74.00	-17.49	41.45	15.06	Peak	100	258

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

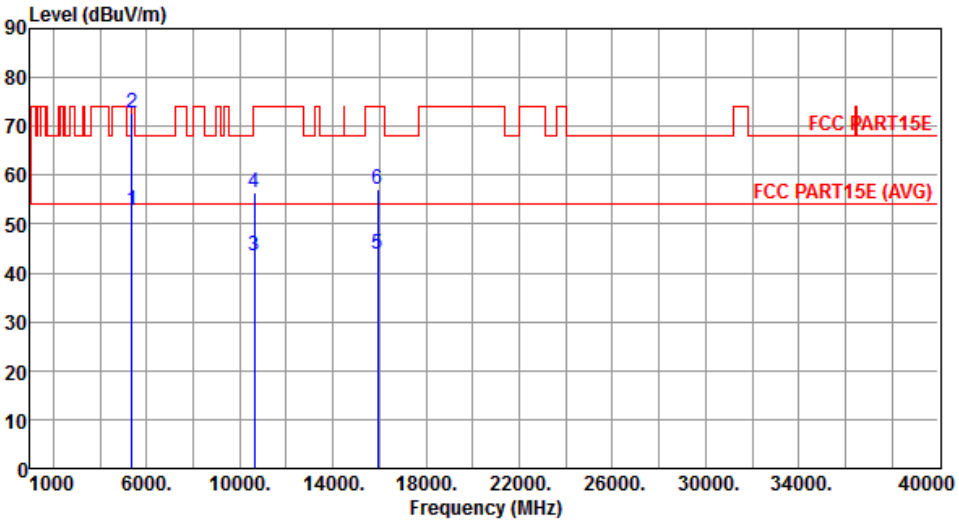
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.86	54.00	-5.14	43.65	5.21	Average	108	269
2	5150.00	61.98	74.00	-12.02	56.77	5.21	Peak	108	269
3	5350.00	47.33	54.00	-6.67	41.83	5.50	Average	108	269
4	5350.00	60.43	74.00	-13.57	54.93	5.50	Peak	108	269
5	10540.00	56.24	68.20	-11.96	42.24	14.00	Peak	100	245
6	15810.00	44.38	54.00	-9.62	29.32	15.06	Average	100	43
7	15810.00	57.54	74.00	-16.46	42.48	15.06	Peak	100	43

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

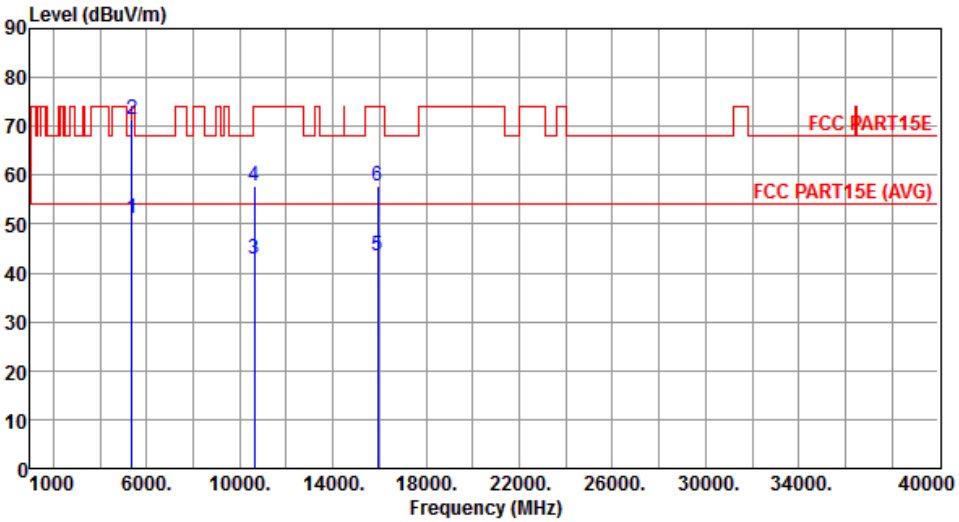
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	52.85	54.00	-1.15	47.35	5.50	Average	250	88
2	5350.00	72.65	74.00	-1.35	67.15	5.50	Peak	250	88
3	10620.00	43.53	54.00	-10.47	29.46	14.07	Average	100	168
4	10620.00	56.39	74.00	-17.61	42.32	14.07	Peak	100	168
5	15930.00	43.99	54.00	-10.01	28.97	15.02	Average	100	275
6	15930.00	57.27	74.00	-16.73	42.25	15.02	Peak	100	275

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

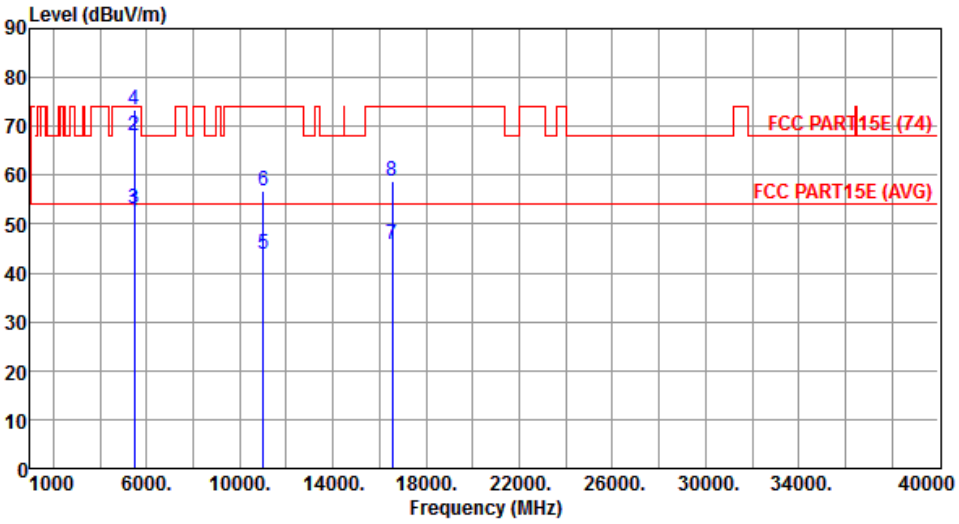
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	51.00	54.00	-3.00	45.50	5.50	Average	117	254
2	5350.00	71.24	74.00	-2.76	65.74	5.50	Peak	117	254
3	10620.00	42.94	54.00	-11.06	28.87	14.07	Average	100	331
4	10620.00	57.64	74.00	-16.36	43.57	14.07	Peak	100	331
5	15930.00	43.60	54.00	-10.40	28.58	15.02	Average	100	46
6	15930.00	57.81	74.00	-16.19	42.79	15.02	Peak	100	46

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

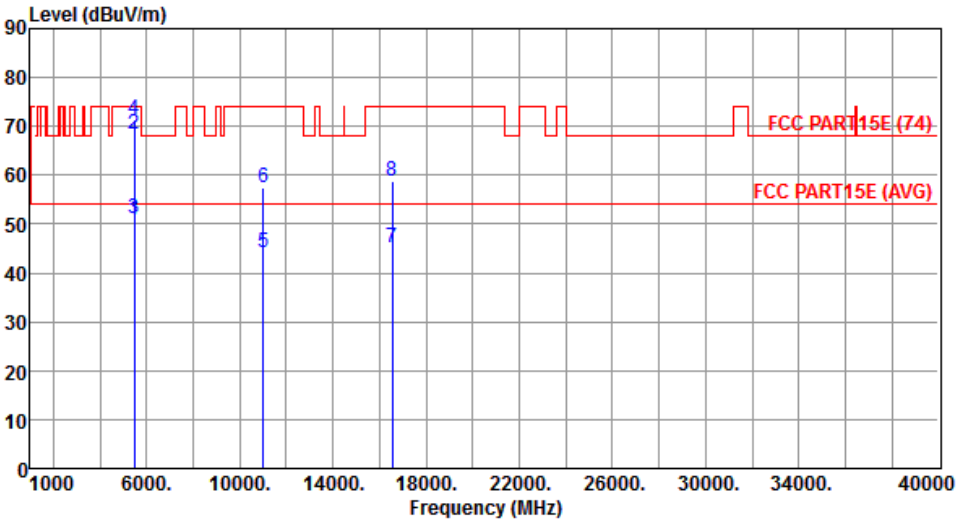
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	52.46	54.00	-1.54	46.81	5.65	Average	236	77
2	5460.00	68.13	74.00	-5.87	62.48	5.65	Peak	236	77
3	5470.00	53.30	54.00	-0.70	47.64	5.66	Average	236	77
4	5470.00	73.46	74.00	-0.54	67.80	5.66	Peak	236	77
5	11020.00	43.73	54.00	-10.27	29.25	14.48	Average	100	132
6	11020.00	56.92	74.00	-17.08	42.44	14.48	Peak	100	132
7	16530.00	45.80	54.00	-8.20	29.73	16.07	Average	100	135
8	16530.00	58.85	74.00	-15.15	42.78	16.07	Peak	100	135

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

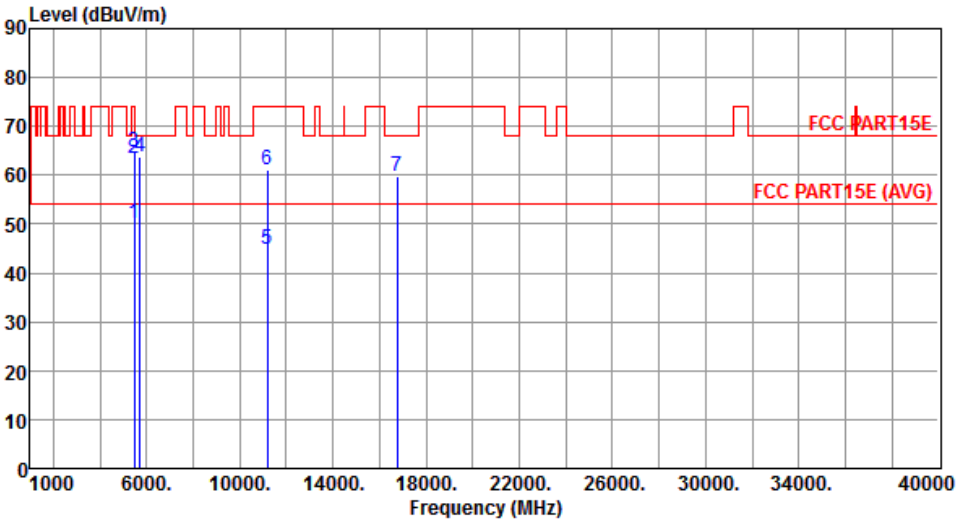
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.78	54.00	-3.22	45.13	5.65	Average	100	312
2	5460.00	68.33	74.00	-5.67	62.68	5.65	Peak	100	312
3	5470.00	51.09	54.00	-2.91	45.43	5.66	Average	100	312
4	5470.00	71.41	74.00	-2.59	65.75	5.66	Peak	100	312
5	11020.00	44.33	54.00	-9.67	29.85	14.48	Average	100	142
6	11020.00	57.36	74.00	-16.64	42.88	14.48	Peak	100	142
7	16530.00	45.22	54.00	-8.78	29.15	16.07	Average	100	167
8	16530.00	58.68	74.00	-15.32	42.61	16.07	Peak	100	167

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

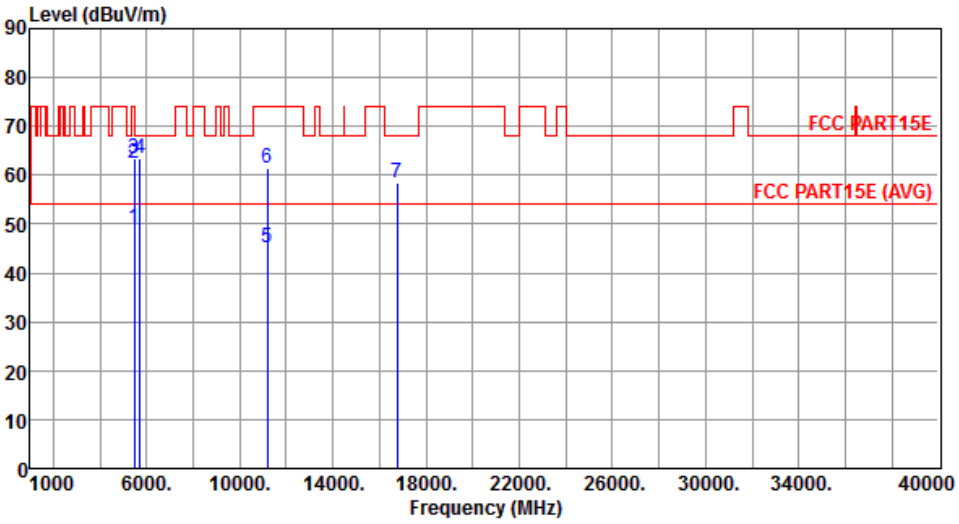
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.31	54.00	-3.69	44.66	5.65	Average	252	86
2	5460.00	63.50	74.00	-10.50	57.85	5.65	Peak	252	86
3	5470.00	64.62	68.20	-3.58	58.96	5.66	Peak	252	86
4	5725.00	63.70	68.20	-4.50	57.71	5.99	Peak	252	86
5	11180.00	44.86	54.00	-9.14	30.24	14.62	Average	100	175
6	11180.00	61.14	74.00	-12.86	46.52	14.62	Peak	100	175
7	16770.00	59.94	68.20	-8.26	43.76	16.18	Peak	100	163

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

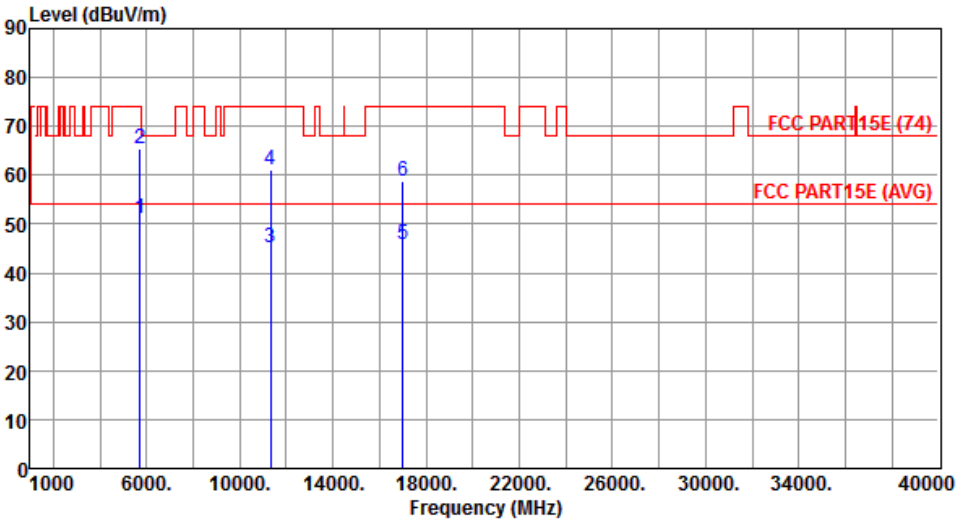
Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	49.21	54.00	-4.79	43.56	5.65	Average	129	269
2	5460.00	62.43	74.00	-11.57	56.78	5.65	Peak	129	269
3	5470.00	63.29	68.20	-4.91	57.63	5.66	Peak	129	269
4	5725.00	63.54	68.20	-4.66	57.55	5.99	Peak	129	269
5	11180.00	45.06	54.00	-8.94	30.44	14.62	Average	100	158
6	11180.00	61.37	74.00	-12.63	46.75	14.62	Peak	100	158
7	16770.00	58.49	68.20	-9.71	42.31	16.18	Peak	100	158

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

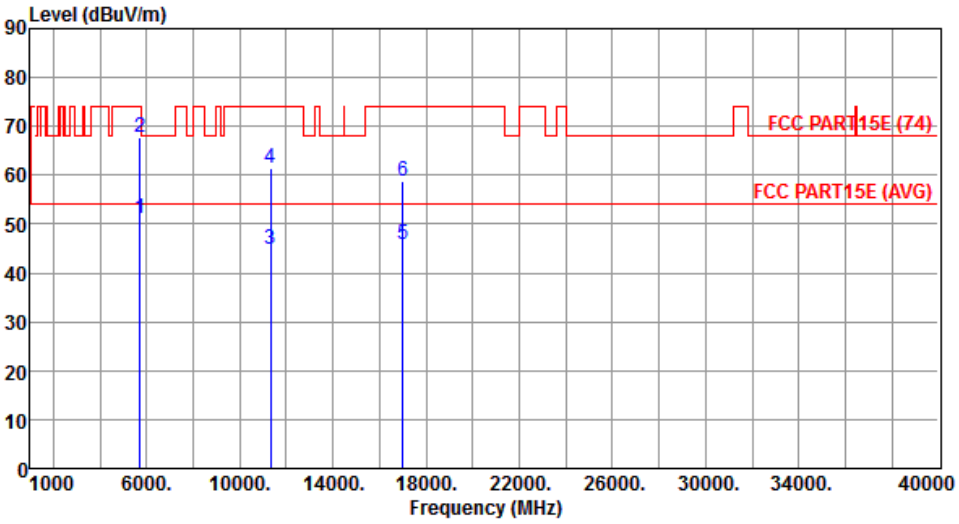
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	51.12	54.00	-2.88	45.13	5.99	Average	309	80
2	5725.00	65.32	74.00	-8.68	59.33	5.99	Peak	309	80
3	11340.00	45.21	54.00	-8.79	30.44	14.77	Average	100	196
4	11340.00	61.05	74.00	-12.95	46.28	14.77	Peak	100	196
5	17010.00	45.89	54.00	-8.11	29.56	16.33	Average	100	144
6	17010.00	58.67	74.00	-15.33	42.34	16.33	Peak	100	144

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

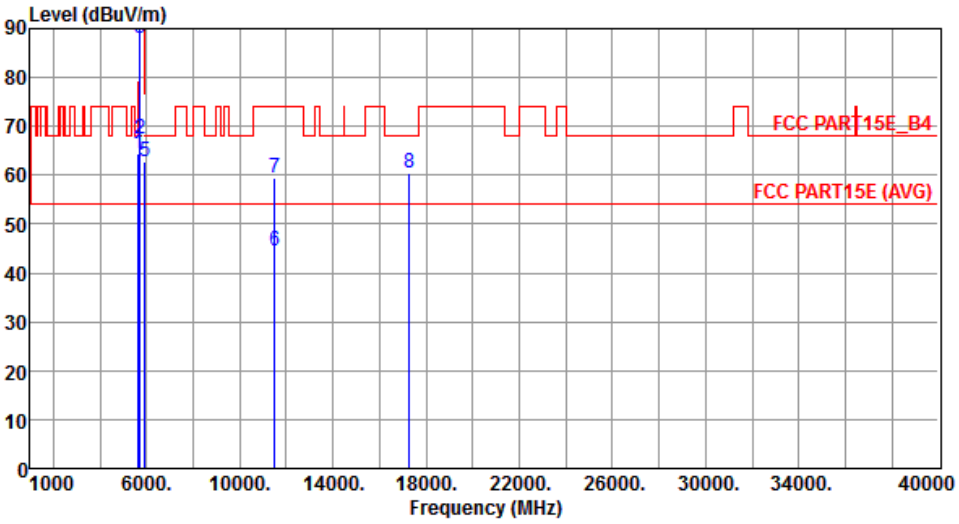
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	51.15	54.00	-2.85	45.16	5.99	Average	110	310
2	5725.00	67.84	74.00	-6.16	61.85	5.99	Peak	274	195
3	11340.00	44.94	54.00	-9.06	30.17	14.77	Average	100	154
4	11340.00	61.52	74.00	-12.48	46.75	14.77	Peak	100	154
5	17010.00	45.76	54.00	-8.24	29.43	16.33	Average	100	127
6	17010.00	58.77	74.00	-15.23	42.44	16.33	Peak	100	127

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

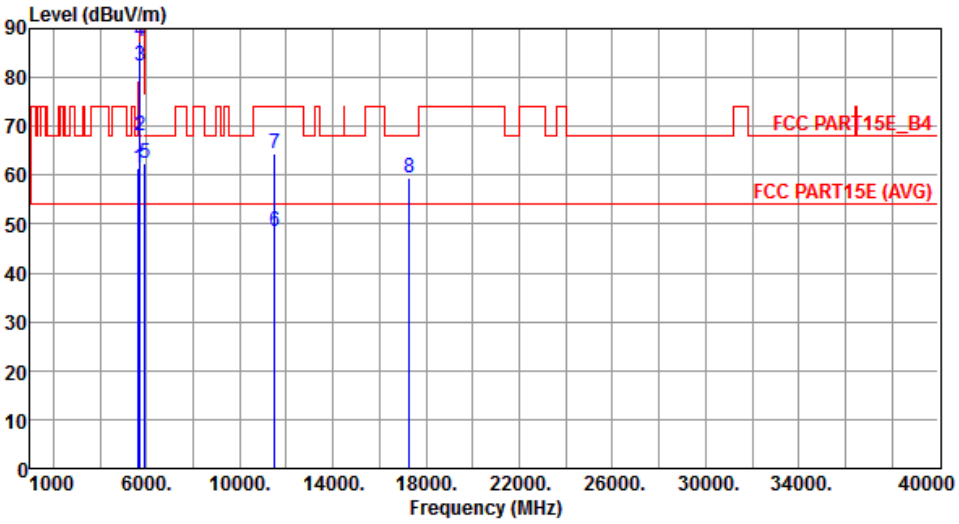
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	64.32	68.20	-3.88	58.45	5.87	Peak	284	82
2	5700.00	67.25	105.20	-37.95	61.29	5.96	Peak	284	82
3	5720.00	88.16	110.80	-22.64	82.18	5.98	Peak	284	82
4	5725.00	90.24	122.20	-31.96	84.25	5.99	Peak	101	118
5	5925.00	62.93	68.20	-5.27	56.67	6.26	Peak	284	82
6	11510.00	44.43	54.00	-9.57	29.54	14.89	Average	222	103
7	11510.00	59.60	74.00	-14.40	44.71	14.89	Peak	222	103
8	17265.00	60.30	68.20	-7.90	42.93	17.37	Peak	100	146

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

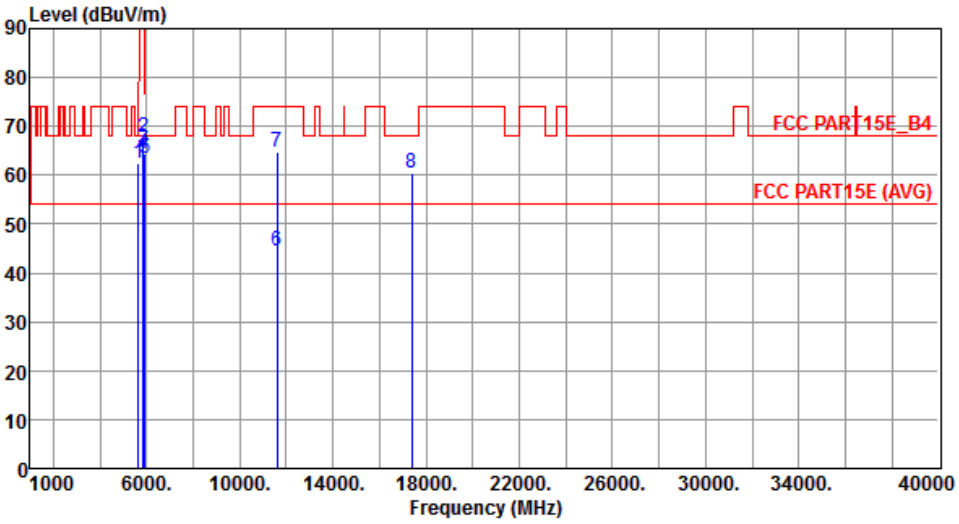
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.43	68.20	-6.77	55.56	5.87	Peak	100	309
2	5700.00	68.07	105.20	-37.13	62.11	5.96	Peak	100	309
3	5720.00	82.25	110.80	-28.55	76.27	5.98	Peak	100	309
4	5725.00	87.40	122.20	-34.80	81.41	5.99	Peak	100	309
5	5925.00	62.38	68.20	-5.82	56.12	6.26	Peak	100	309
6	11510.00	48.37	54.00	-5.63	33.48	14.89	Average	102	99
7	11510.00	64.42	74.00	-9.58	49.53	14.89	Peak	102	99
8	17265.00	59.35	68.20	-8.85	41.98	17.37	Peak	100	150

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

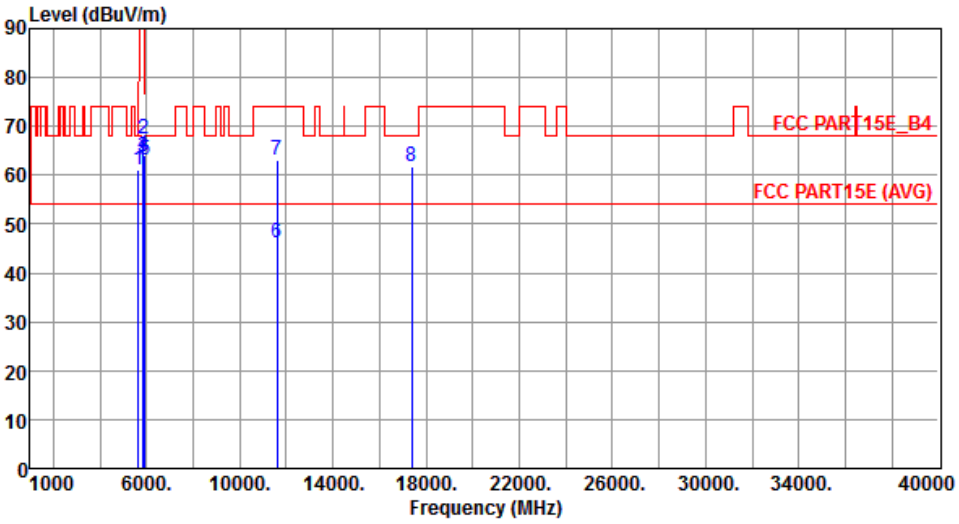
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	62.56	68.20	-5.64	56.69	5.87	Peak	244	77
2	5850.00	67.85	122.20	-54.35	61.68	6.17	Peak	244	77
3	5855.00	65.41	110.80	-45.39	59.23	6.18	Peak	244	77
4	5875.00	64.42	105.20	-40.78	58.22	6.20	Peak	244	77
5	5925.00	63.51	68.20	-4.69	57.25	6.26	Peak	244	77
6	11590.00	44.64	54.00	-9.36	29.91	14.73	Average	221	102
7	11590.00	64.90	74.00	-9.10	50.17	14.73	Peak	221	102
8	17385.00	60.44	68.20	-7.76	42.57	17.87	Peak	100	168

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

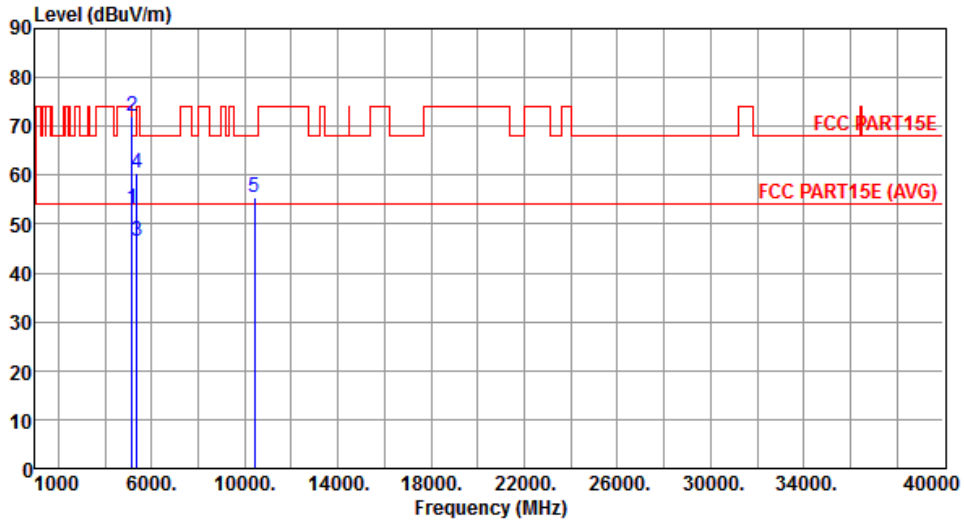


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	61.27	68.20	-6.93	55.40	5.87	Peak	111	307
2	5850.00	67.40	122.20	-54.80	61.23	6.17	Peak	111	307
3	5855.00	63.76	110.80	-47.04	57.58	6.18	Peak	111	307
4	5875.00	64.02	105.20	-41.18	57.82	6.20	Peak	111	307
5	5925.00	62.99	68.20	-5.21	56.73	6.26	Peak	111	307
6	11590.00	46.08	54.00	-7.92	31.35	14.73	Average	138	107
7	11590.00	63.06	74.00	-10.94	48.33	14.73	Peak	138	107
8	17385.00	61.64	68.20	-6.56	43.77	17.87	Peak	100	165

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

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

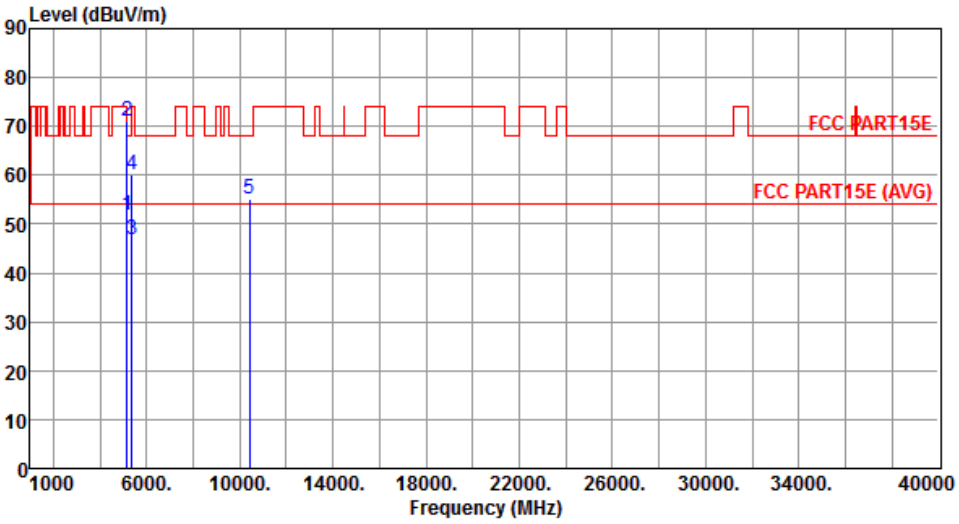
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	53.16	54.00	-0.84	47.95	5.21	Average	231	82
2	5150.00	72.09	74.00	-1.91	66.88	5.21	Peak	231	82
3	5350.00	46.63	54.00	-7.37	41.13	5.50	Average	231	82
4	5350.00	60.28	74.00	-13.72	54.78	5.50	Peak	231	82
5	10420.00	55.34	68.20	-12.86	41.42	13.92	Peak	100	196

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

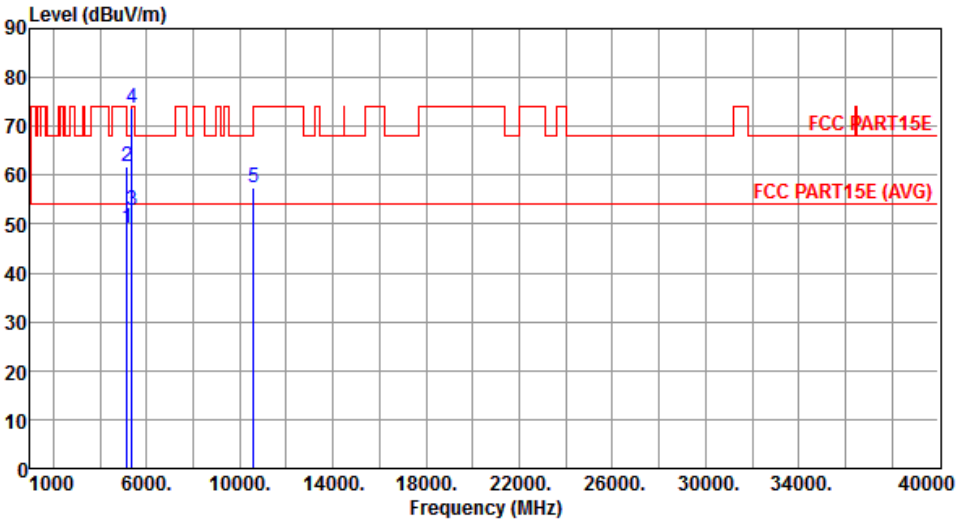
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.74	54.00	-2.26	46.53	5.21	Average	111	253
2	5150.00	71.06	74.00	-2.94	65.85	5.21	Peak	111	253
3	5350.00	46.74	54.00	-7.26	41.24	5.50	Average	111	253
4	5350.00	59.98	74.00	-14.02	54.48	5.50	Peak	111	253
5	10420.00	55.16	68.20	-13.04	41.24	13.92	Peak	100	173

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

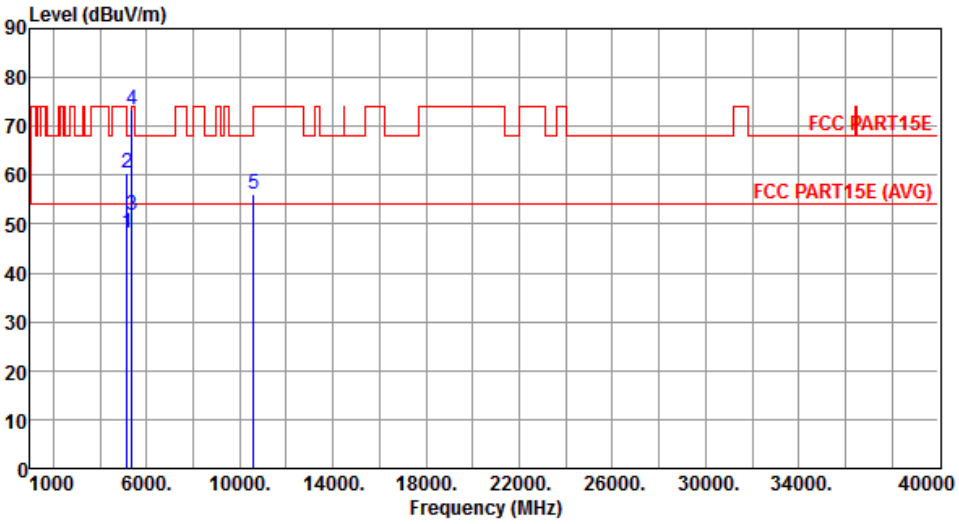
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.20	54.00	-4.80	43.99	5.21	Average	267	94
2	5150.00	61.65	74.00	-12.35	56.44	5.21	Peak	267	94
3	5350.00	52.82	54.00	-1.18	47.32	5.50	Average	267	94
4	5350.00	73.62	74.00	-0.38	68.12	5.50	Peak	267	94
5	10580.00	57.55	68.20	-10.65	43.51	14.04	Peak	100	166

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

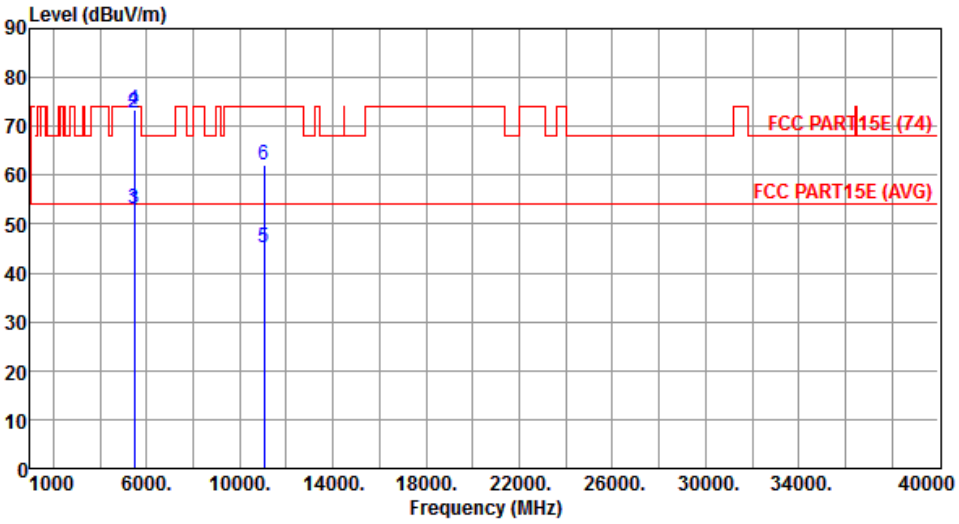
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.08	54.00	-5.92	42.87	5.21	Average	133	269
2	5150.00	60.45	74.00	-13.55	55.24	5.21	Peak	133	269
3	5350.00	51.67	54.00	-2.33	46.17	5.50	Average	133	269
4	5350.00	73.35	74.00	-0.65	67.85	5.50	Peak	133	269
5	10580.00	56.28	68.20	-11.92	42.24	14.04	Peak	100	156

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

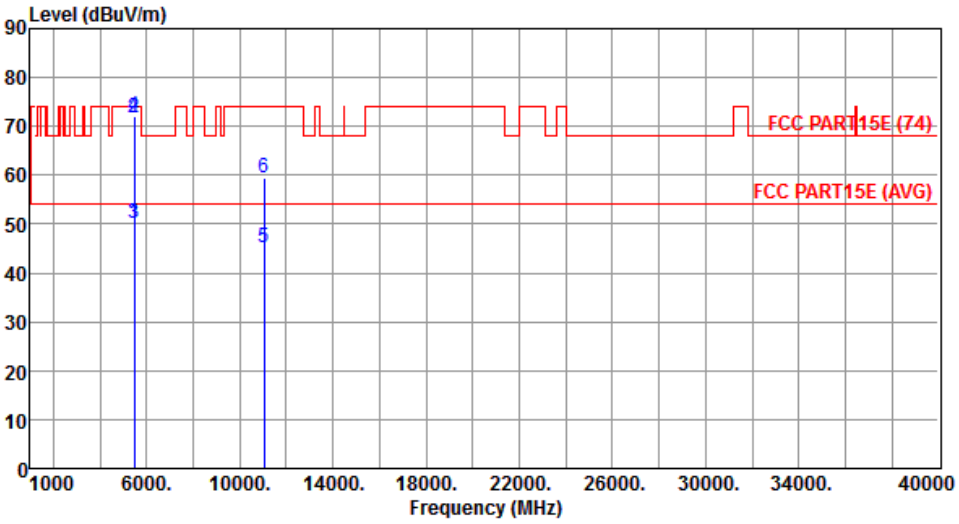
Modulation	VHT80	**Test Freq. (MHz)**	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	52.93	54.00	-1.07	47.28	5.65	Average	262	82
2	5460.00	72.80	74.00	-1.20	67.15	5.65	Peak	262	82
3	5470.00	53.28	54.00	-0.72	47.62	5.66	Average	262	82
4	5470.00	73.56	74.00	-0.44	67.90	5.66	Peak	262	82
5	11060.00	45.06	54.00	-8.94	30.55	14.51	Average	100	185
6	11060.00	62.14	74.00	-11.86	47.63	14.51	Peak	100	185

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

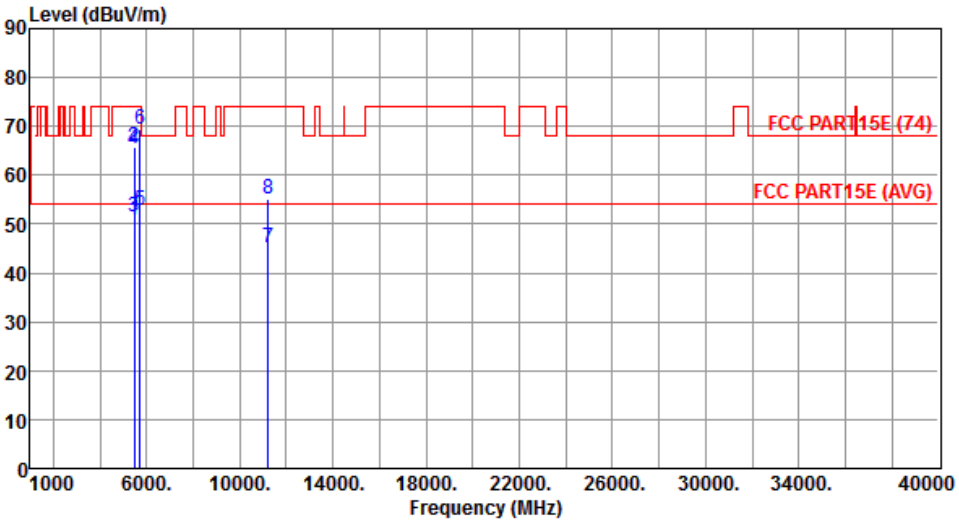
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.06	54.00	-3.94	44.41	5.65	Average	110	254
2	5460.00	71.90	74.00	-2.10	66.25	5.65	Peak	110	254
3	5470.00	50.07	54.00	-3.93	44.41	5.66	Average	110	254
4	5470.00	72.22	74.00	-1.78	66.56	5.66	Peak	110	254
5	11060.00	45.04	54.00	-8.96	30.53	14.51	Average	100	163
6	11060.00	59.37	74.00	-14.63	44.86	14.51	Peak	110	254

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

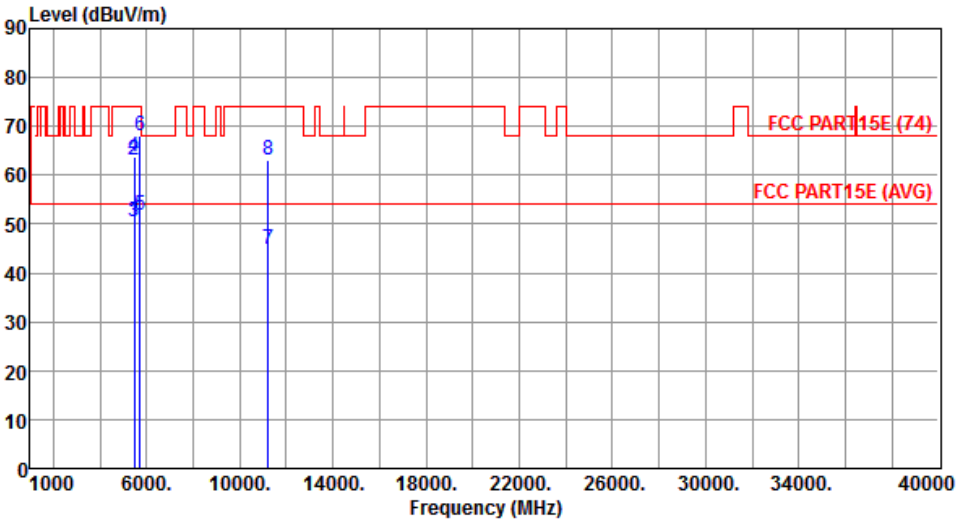
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.86	54.00	-3.14	45.21	5.65	Average	249	82
2	5460.00	65.91	74.00	-8.09	60.26	5.65	Peak	249	82
3	5470.00	51.36	54.00	-2.64	45.70	5.66	Average	249	82
4	5470.00	65.35	74.00	-8.65	59.69	5.66	Peak	249	82
5	5725.00	52.67	54.00	-1.33	46.68	5.99	Average	249	82
6	5725.00	69.57	74.00	-4.43	63.58	5.99	Peak	249	82
7	11220.00	45.22	54.00	-8.78	30.56	14.66	Average	100	162
8	11220.00	55.10	74.00	-18.90	40.44	14.66	Peak	100	162

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

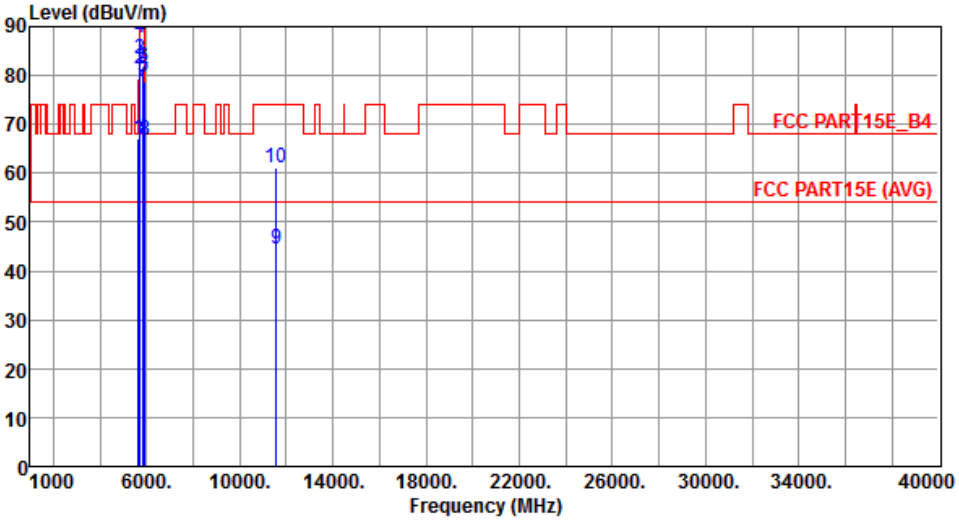
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	50.44	54.00	-3.56	44.79	5.65	Average	105	307
2	5460.00	63.21	74.00	-10.79	57.56	5.65	Peak	105	307
3	5470.00	50.51	54.00	-3.49	44.85	5.66	Average	105	307
4	5470.00	63.72	74.00	-10.28	58.06	5.66	Peak	105	307
5	5725.00	51.95	54.00	-2.05	45.96	5.99	Average	105	307
6	5725.00	68.10	74.00	-5.90	62.11	5.99	Peak	105	307
7	11220.00	44.93	54.00	-9.07	30.27	14.66	Average	100	182
8	11220.00	63.21	74.00	-10.79	48.55	14.66	Peak	100	182

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

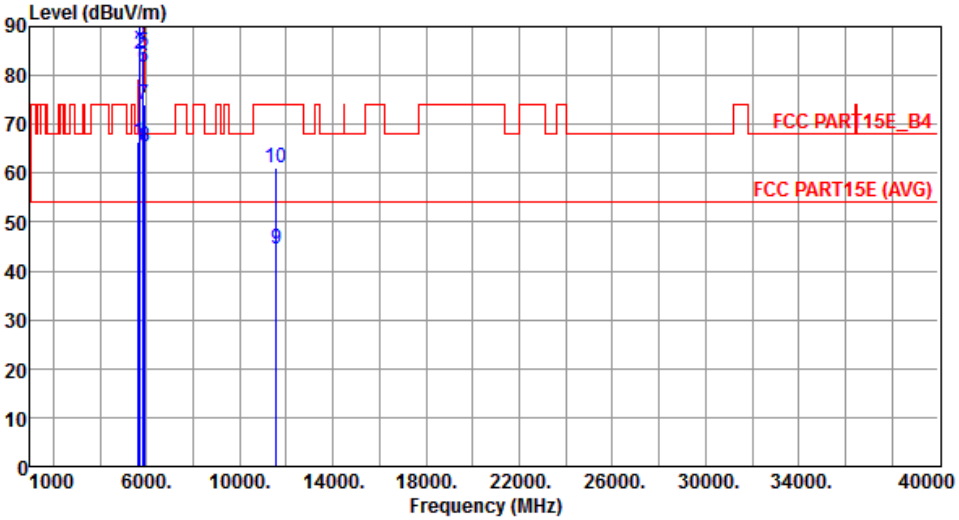
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	66.99	68.20	-1.21	61.12	5.87	Peak	250	84
2	5700.00	81.38	105.20	-23.82	75.42	5.96	Peak	250	84
3	5720.00	83.23	110.80	-27.57	77.25	5.98	Peak	250	84
4	5725.00	87.54	122.20	-34.66	81.55	5.99	Peak	250	84
5	5850.00	79.82	122.20	-42.38	73.65	6.17	Peak	250	84
6	5855.00	81.84	110.80	-28.96	75.66	6.18	Peak	250	84
7	5875.00	78.82	105.20	-26.38	72.62	6.20	Peak	150	84
8	5925.00	66.80	68.20	-1.40	60.54	6.26	Peak	150	84
9	11550.00	44.35	54.00	-9.65	29.54	14.81	Average	100	173
10	11550.00	61.25	74.00	-12.75	46.44	14.81	Peak	100	173

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	66.42	68.20	-1.78	60.55	5.87	Peak	109	306
2	5700.00	84.36	105.20	-20.84	78.40	5.96	Peak	109	306
3	5720.00	87.25	110.80	-23.55	81.27	5.98	Peak	109	306
4	5725.00	91.78	122.20	-30.42	85.79	5.99	Peak	109	306
5	5850.00	84.62	122.20	-37.58	78.45	6.17	Peak	109	306
6	5855.00	81.72	110.80	-29.08	75.54	6.18	Peak	109	306
7	5875.00	73.95	105.20	-31.25	67.75	6.20	Peak	109	306
8	5925.00	65.57	68.20	-2.63	59.31	6.26	Peak	109	306
9	11550.00	44.66	54.00	-9.34	29.85	14.81	Average	100	153
10	11550.00	61.18	74.00	-12.82	46.37	14.81	Peak	100	153

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

3.6 Frequency Stability

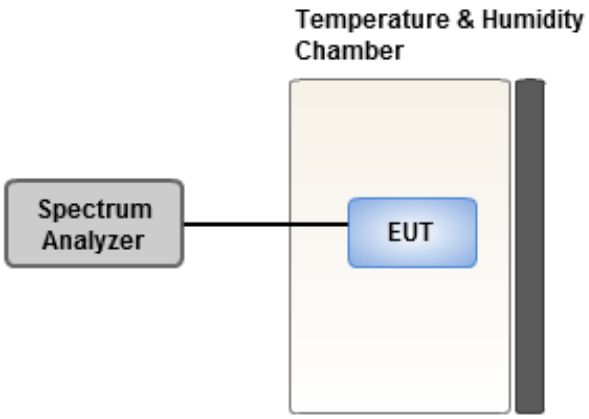
3.6.1 Limit of Frequency Stability

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

3.6.2 Test Procedures

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

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	12.22	12.67	12.51	11.88
T20°CVmin	9.72	9.95	9.51	10.03
T50CVnom	9.48	9.61	9.86	9.01
T40°CVnom	8.55	9.07	8.23	8.96
T30°CVnom	9.02	9.58	9.17	9.59
T20°CVnom	9.34	9.80	9.96	9.92
T10°CVnom	9.60	9.46	9.84	10.04
T0°CVnom	8.86	8.75	9.28	9.04
T-10°CVnom	8.53	8.63	8.97	8.52
T-20°CVnom	9.84	9.58	9.76	9.73
T-30°CVnom	7.57	7.74	8.13	7.50
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	10.75	11.20	10.88	11.04
T20°CVmin	8.68	8.57	8.41	9.36
T50CVnom	8.43	9.12	9.05	9.17
T40°CVnom	8.08	8.44	8.34	8.14
T30°CVnom	8.80	9.15	8.96	9.23
T20°CVnom	8.26	8.02	8.39	8.29
T10°CVnom	8.15	8.46	8.91	8.40
T0°CVnom	8.55	8.69	8.65	8.64
T-10°CVnom	7.55	7.88	7.98	7.88
T-20°CVnom	6.08	6.68	5.77	6.28
T-30°CVnom	5.31	5.90	5.96	5.48
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

4 Test laboratory information

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

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

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

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

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

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Email: ICC_Service@icertifi.com.tw

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