FCC Test Report

FCC ID	:	**QXO-4200**
Equipment	:	**Wireless 802.11 ac/a + b/g/n Access Point**
Model No.	:	**WS-AP3805i, WS-AP3801i, WS-AP3805e**
Brand Name	:	**Extreme Networks**
Applicant	:	**Extreme Networks, Inc.**
Address	:	**9 Northeastern Blvd., Salem, New Hampshire, United States, 03079**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jun. 13, 2014**
Tested Date	:	**Jun. 13 ~ Oct. 23, 2014**

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

Approved & Reviewed by:

Gary Chang / Manager

Testing Laboratory
2732

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR482702AN	Rev. 01	Initial issue	Nov. 10, 2014

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.393MHz 46.95 (Margin -1.04dB) – AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5150.00MHz 73.00 (Margin -1.00dB) – PK [dBuV/m at 3m]: 5725.00MHz 77.20 (Margin -1.00dB) – PK [dBuV/m at 3m]: 5715.00MHz 73.00 (Margin -1.00dB) – PK [dBuV/m at 3m]: 5850.00MHz 77.20 (Margin -1.00dB) – PK [dBuV/m at 3m]: 5715.00MHz 53.00 (Margin -1.00dB) – AV	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: 5150-5250MHz: 28.15 5725-5850MHz: 27.53	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.

Brand Name	Model Name	Product Name	Description
Extreme Networks	WS-AP3805i	Wireless 802.11 ac/a + b/g/n Access Point	Internal PIFA antenna
Extreme Networks	WS-AP3801i	Wireless 802.11 ac/a + b/g/n Access Point	Internal PIFA antenna
Extreme Networks	WS-AP3805e	Wireless 802.11 ac/a + b/g/n Access Point	External Dipole antenna
Note: The AP3805i and AP3801i use identical hardware. The only difference is the AP3801i is software limited to prevent simultaneous operation in the 2.4 GHz and 5GHz bands.			

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	a	5180-5240	36-48 [4]	2	6-54 Mbps
5150-5250	n (HT20)	5180-5240	36-48 [4]	2	MCS 0-15
5150-5250	n (HT40)	5190-5230	38-46 [2]	2	MCS 0-15
5150-5250	ac (VHT20)	5180-5240	36-48 [4]	2	MCS 0-8
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	2	MCS 0-9
5150-5250	ac (VHT80)	5210	42 [1]	2	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5725-5850	a	5745-5825	149-165 [5]	2	6-54 Mbps
5725-5850	n (HT20)	5745-5825	149-165 [5]	2	MCS 0-15
5725-5850	n (HT40)	5755-5795	151-159 [2]	2	MCS 0-15
5725-5850	ac (VHT20)	5745-5825	149-165 [5]	2	MCS 0-8
5725-5850	ac (VHT40)	5755-5795	151-159 [2]	2	MCS 0-9
5725-5850	ac (VHT80)	5775	155 [1]	2	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

1.1.3 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
				2400~2483.5	5150~5250	5725~5850
1	5718A0075300	PIFA	I-Pex	3.52	---	---
2	5718A0074300	PIFA	I-Pex	3.16	---	---
3	5718A0077300	PIFA	I-Pex	---	5.40	5.23
4	5718A0076300	PIFA	I-Pex	---	4.08	5.68
5	7102A0300000	Dipole	R SMA	4.42	---	---
6	7102A0301000	Dipole	R SMA	---	3.18	2.95
7	WS-AI-DQ04360	Directional Panel	RPSMA	4	7	7
8	WS-AI-DD05120	Directional Panel	RPSMA	5	5	5

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter / 48Vdc from PoE

1.1.5 Accessories & Support Units

Accessories & Support Units		
No.	**Equipment**	**Description**
1	Power Supply Type 1 Adapter	Brand: Powertron Electronics Corp. Model: PA1015-2I I/P: 100-240Vac, 50-60Hz, 0.4A O/P: 12Vdc, 1.25A, 15W Power line: 1.2m non-shielded with one core
2	Power Supply Type 2 With POE injector (Model: EPE-48GR) **Support unit only	Brand: Powertron Electronics Corp. Model: PA1040-480IB080 I/P: 100-240Vac, 50-60Hz, 1.5A O/P: 48Vdc, 0.8A, 38.4W max Power line: 1.5m non-shielded with one core

1.1.6 Channel List

For Frequency band 5150-5250 MHz			
802.11 a / HT20 / VHT20		HT40 / VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	VHT 80	
48	5240	42	5210

For Frequency band 5725~5850 MHz			
802.11 a / HT20 / VHT20		HT40 / VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
149	5745	151	5755
153	5765	159	5795
157	5785	VHT80	
161	5805	155	5775
165	5825	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	ART2-GUI, V4_9_575_5_CS_U3		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11a	98.26%	0.08
	VHT20	98.15%	0.08
	VHT40	94.93%	0.23
	VHT80	88.46%	0.53

1.1.8 Power Setting

For internal PIFA antenna

For Frequency band 5150-5250 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5180	18
11a	5200	22
11a	5240	22.5
HT20	5180	17.5
HT20	5200	22
HT20	5240	23
HT40	5190	13
HT40	5230	20
VHT20	5180	17.5
VHT20	5200	22
VHT20	5240	23
VHT40	5190	13
VHT40	5230	20
VHT80	5210	10.5

For Frequency band 5725~5850 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5745	17
11a	5785	22
11a	5825	17
HT20	5745	16.5
HT20	5785	22
HT20	5825	16.5
HT40	5755	13.5
HT40	5795	19.5
VHT20	5745	16.5
VHT20	5785	22
VHT20	5825	16.5
VHT40	5755	13.5
VHT40	5795	19.5
VHT80	5775	12

For external Dipole antenna

For Frequency band 5150-5250 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5180	18
11a	5200	23
11a	5240	23
HT20	5180	18
HT20	5200	22.5
HT20	5240	21
HT40	5190	13.5
HT40	5230	21.5
VHT20	5180	18
VHT20	5200	22.5
VHT20	5240	21
VHT40	5190	13.5
VHT40	5230	21.5
VHT80	5210	12

For Frequency band 5725~5850 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5745	17
11a	5785	21
11a	5825	18
HT20	5745	16.5
HT20	5785	21
HT20	5825	17.5
HT40	5755	14.5
HT40	5795	20
VHT20	5745	16.5
VHT20	5785	21
VHT20	5825	17.5
VHT40	5755	14.5
VHT40	5795	20
VHT80	5775	12

For external Directional Panel antenna (model WS-AI-DQ04360)

For Frequency band 5150-5250 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5180	16
11a	5200	20.5
11a	5240	21
HT20	5180	16
HT20	5200	20.5
HT20	5240	21
HT40	5190	11
HT40	5230	20
VHT20	5180	16
VHT20	5200	20.5
VHT20	5240	21
VHT40	5190	11
VHT40	5230	20
VHT80	5210	9.5

For Frequency band 5725~5850 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5745	16
11a	5785	21
11a	5825	18
HT20	5745	16
HT20	5785	21
HT20	5825	17.5
HT40	5755	13.5
HT40	5795	19
VHT20	5745	16
VHT20	5785	21
VHT20	5825	17.5
VHT40	5755	13.5
VHT40	5795	19
VHT80	5775	10.5

For external Directional Panel antenna (model WS-AI-DD05120)

For Frequency band 5150-5250 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5180	17.5
11a	5200	22
11a	5240	22
HT20	5180	17.5
HT20	5200	22
HT20	5240	21
HT40	5190	13
HT40	5230	21
VHT20	5180	17.5
VHT20	5200	22
VHT20	5240	21
VHT40	5190	13
VHT40	5230	21
VHT80	5210	11

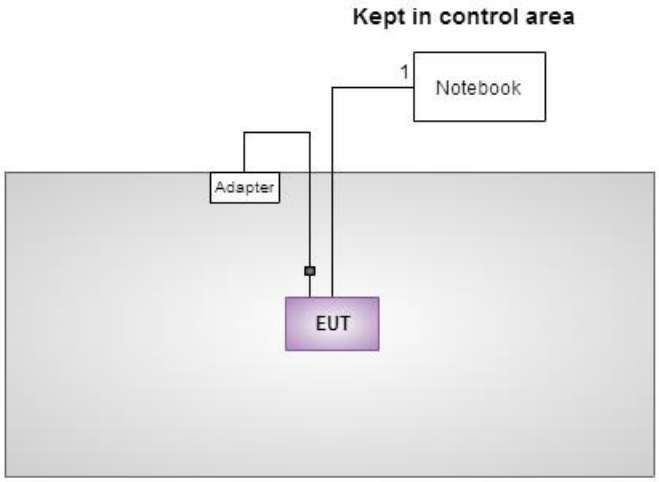
For Frequency band 5725~5850 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Set**
11a	5745	17
11a	5785	21
11a	5825	18
HT20	5745	16.5
HT20	5785	21
HT20	5825	17.5
HT40	5755	14.5
HT40	5795	20
VHT20	5745	16.5
VHT20	5785	21
VHT20	5825	17.5
VHT40	5755	14.5
VHT40	5795	20
VHT80	5775	12

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Signal cable / Length (m)**
1	Notebook	DELL	E6430	DoC	RJ45, 8m non-shielded.

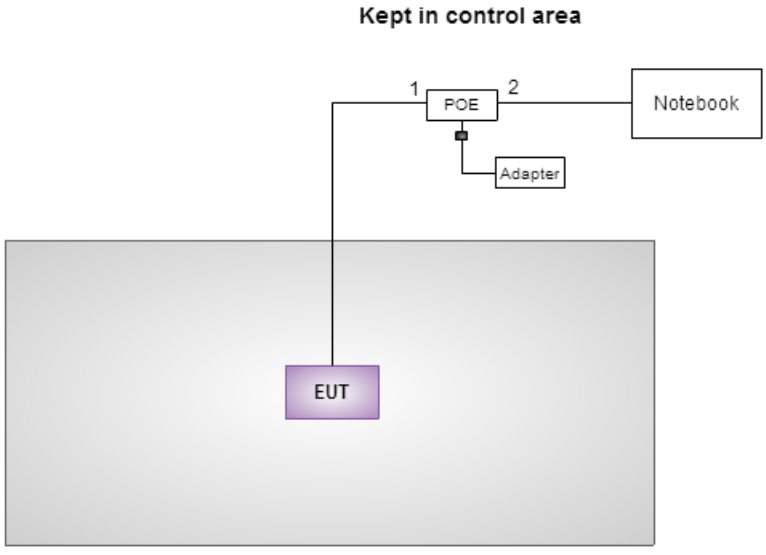
1.3 Test Setup Chart

Radiated Test Setup Diagram (Adapter mode)



1. RJ45, 8m non-shielded

Radiated Test Setup Diagram (POE mode)



1. RJ45, 8m non-shielded
2. RJ45, 1m non-shielded

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
EMC Receiver	R&S	ESCS 30	100132	Nov. 14, 2013	Nov. 13, 2014
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 23, 2013	Nov. 22, 2014
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Dec. 04, 2013	Dec. 03, 2014
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Apr. 23, 2014	Apr. 22, 2015
50 ohm terminal (Support Unit)	NA	50	04	Apr. 18, 2014	Apr. 17, 2015
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 chamber1 / (03CH01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101498	Jan. 25, 2014	Jan. 24, 2015
Receiver	R&S	ESR3	101658	Jan. 10, 2014	Jan. 09, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 23, 2014	Jan. 22, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 13, 2014	Feb. 12, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014
Preamplifier	Burgeon	BPA-530	SN:100219	Dec. 09, 2013	Dec. 08, 2014
Preamplifier	Agilent	83017A	MY39501308	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 16, 2013	Dec. 15, 2014
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Dec. 16, 2013	Dec. 15, 2014
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Dec. 16, 2013	Dec. 15, 2014
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Amplifier	EM	EM18G40G	060604	Oct. 17. 2013	Oct. 16. 2015
Note: Calibration Interval of instruments listed above is two year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2014	Feb. 16, 2015
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Dec. 11, 2013	Dec. 10, 2014
Power Meter	Anritsu	ML2495A	1218007	Oct. 31, 2013	Oct. 30, 2014
Power Sensor	Anritsu	MA2411B	1207367	Oct. 31, 2013	Oct. 30, 2014
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

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

47 CFR FCC Part 15.407
ANSI C63.10-2009
FCC KDB 412172
FCC 789033 D02 General UNII Test Procedures New Rules v01
FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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
Temperature	±0.6 °C
Conducted emission	±2.670 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.26 dB
Radiated emission > 1GHz	±4.94 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	22°C / 69%	Peter Lin
Radiated Emissions	03CH01-WS	20-25°C / 63-68%	Anderson Hong Haru Yang
RF Conducted	TH01-WS	22°C / 64%	Brad Wu

- FCC site registration No.: 657002
- IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

For Frequency band 5150-5250 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Conducted Emissions	VHT40	5230	MCS 0	1, 2, 3, 4, 5, 6, 7, 8
Radiated Emissions ≤1GHz	VHT40	5230	MCS 0	1, 2, 3, 4, 5, 6, 7, 8
RF Output Power	11a	5180 / 5200 / 5240	6 Mbps	1, 2, 3, 4
	HT20	5180 / 5200 / 5240	MCS 0	
	HT40	5190 / 5230	MCS 0	
	VHT20	5180 / 5200 / 5240	MCS 0	
	VHT40	5190 / 5230	MCS 0	
	VHT80	5210	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240	6 Mbps	1, 2, 3, 4
	VHT20	5180 / 5200 / 5240	MCS 0	
	VHT40	5190 / 5230	MCS 0	
	VHT80	5210	MCS 0	
Frequency Stability	Un-modulation	5200	---	1, 2, 3, 4

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. Refer to the following configurations for each worst case plane.
2. The final test configurations are listed as follows:
   1) Configuration 1: Internal PIFA antenna, Adapter mode, Y-plane.
   2) Configuration 2: External Dipole antenna, Adapter mode, X-plane.
   3) Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360), Adapter mode, X-plane.
   4) Configuration 4: External Directional Panel antenna (model WS-AI-DD05120), Adapter mode, X-plane.
   5) Configuration 5: Internal PIFA antenna, POE mode, Y-plane.
   6) Configuration 6: External Dipole antenna, POE mode, X-plane.
   7) Configuration 7: External Directional Panel antenna (model WS-AI-DQ04360), POE mode, X-plane.
   8) Configuration 8: External Directional Panel antenna (model WS-AI-DD05120), POE mode, X-plane.

For Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Conducted Emissions	VHT40	5795	MCS 0	1, 2, 3, 4, 5, 6, 7, 8
Radiated Emissions ≤1GHz	VHT40	5795	MCS 0	1, 2, 3, 4, 5, 6, 7, 8
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	1, 2, 3, 4
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth 6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	1, 2, 3, 4
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. Refer to the following configurations for each worst case plane.
2. The final test configurations are listed as follows:
   1) Configuration 1: Internal PIFA antenna, Adapter mode, Y-plane.
   2) Configuration 2: External Dipole antenna, Adapter mode, X-plane.
   3) Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360), Adapter mode, X-plane.
   4) Configuration 4: External Directional Panel antenna (model WS-AI-DD05120), Adapter mode, X-plane.
   5) Configuration 5: Internal PIFA antenna, POE mode, Y-plane.
   6) Configuration 6: External Dipole antenna, POE mode, X-plane.
   7) Configuration 7: External Directional Panel antenna (model WS-AI-DQ04360), POE mode, X-plane.
   8) Configuration 8: External Directional Panel antenna (model WS-AI-DD05120), POE mode, X-plane.

3 Transmitter Test Results

3.1 Conducted Emissions

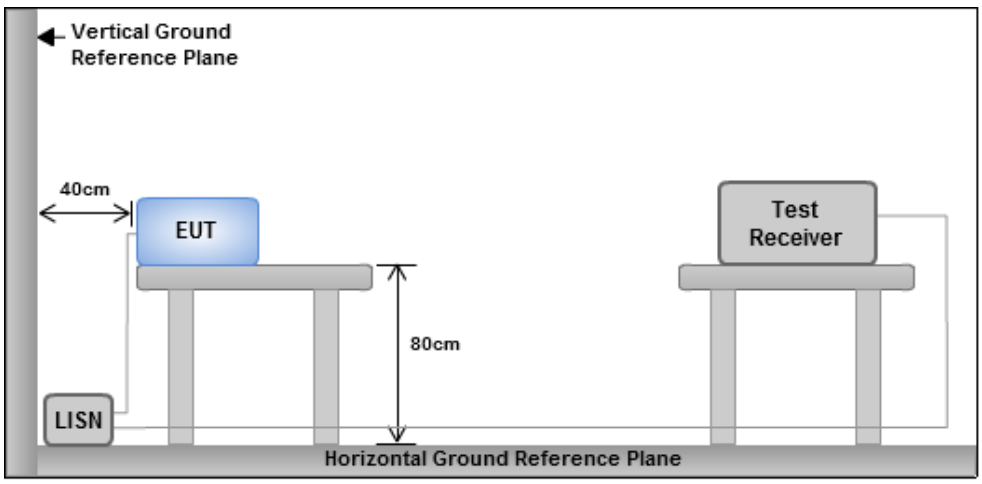
3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

3.1.3 Test Setup

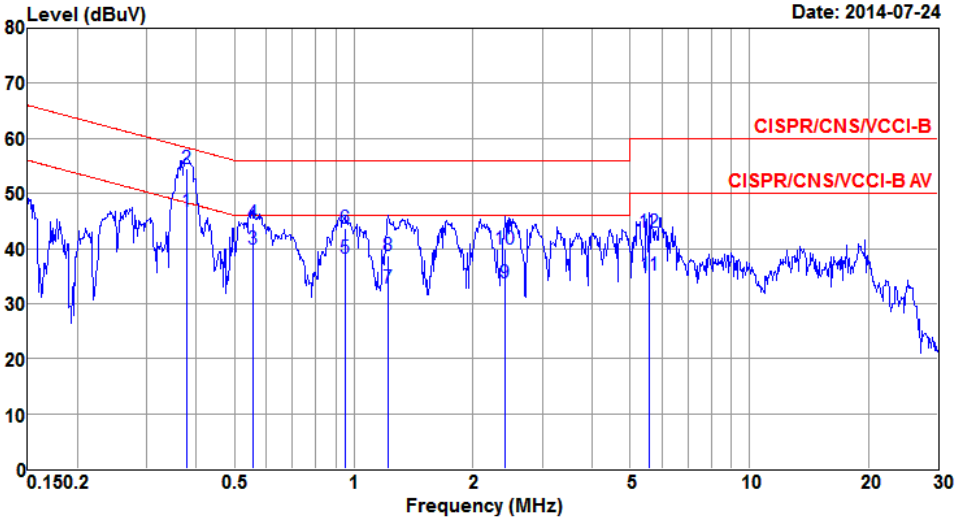


Note: 1. Support units were connected to second LISN.

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

3.1.4 Test Result of Conducted Emissions (Configuration 1: Internal PIFA antenna)

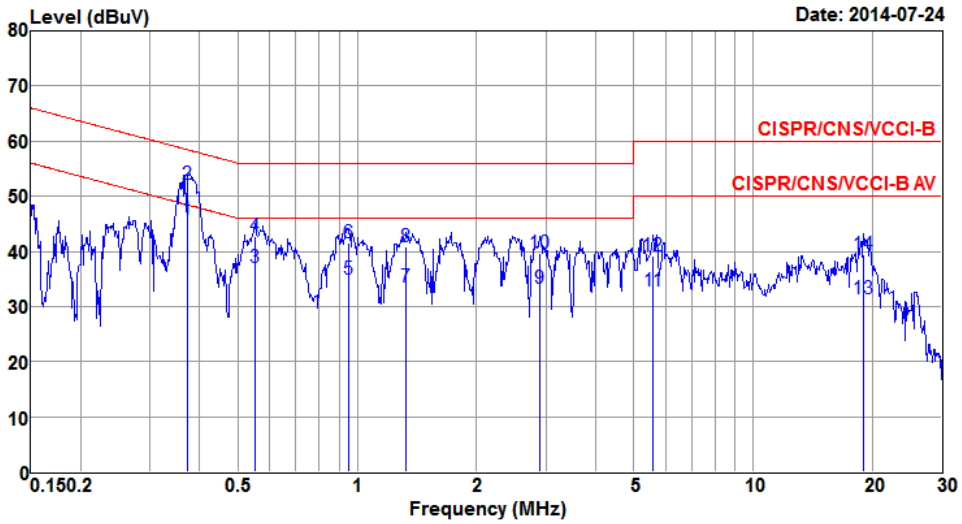
Modulation	VHT20	Test Freq. (MHz)	5240
Power Phase	Line	Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.379	46.73	48.30	-1.57	46.19	0.52	0.02	Average
2	0.379	54.47	58.30	-3.83	53.93	0.52	0.02	QP
3	0.555	39.87	46.00	-6.13	39.19	0.60	0.08	Average
4	0.555	44.60	56.00	-11.40	43.92	0.60	0.08	QP
5	0.953	38.21	46.00	-7.79	37.30	0.72	0.19	Average
6	0.953	43.76	56.00	-12.24	42.85	0.72	0.19	QP
7	1.223	32.77	46.00	-13.23	31.81	0.81	0.15	Average
8	1.223	38.60	56.00	-17.40	37.64	0.81	0.15	QP
9	2.409	33.78	46.00	-12.22	32.70	1.03	0.05	Average
10	2.409	39.88	56.00	-16.12	38.80	1.03	0.05	QP
11	5.594	35.09	50.00	-14.91	33.60	1.30	0.19	Average
12	5.594	42.93	60.00	-17.07	41.44	1.30	0.19	QP

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

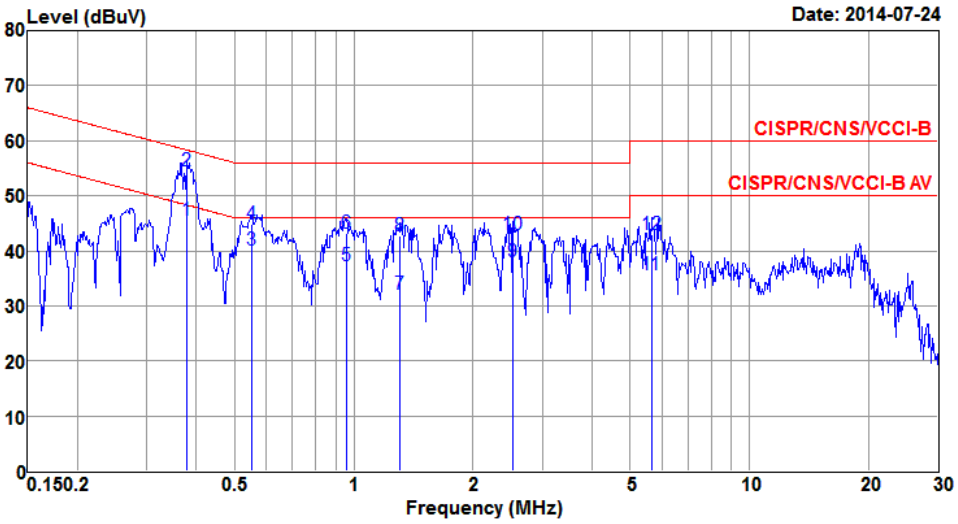
Modulation	VHT20	Test Freq. (MHz)	5240
Power Phase	Neutral	Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.373	45.72	48.43	-2.71	45.10	0.60	0.02	Average
2	0.373	52.21	58.43	-6.22	51.59	0.60	0.02	QP
3	0.552	37.10	46.00	-8.90	36.34	0.68	0.08	Average
4	0.552	42.73	56.00	-13.27	41.97	0.68	0.08	QP
5	0.948	34.99	46.00	-11.01	34.01	0.79	0.19	Average
6	0.948	41.49	56.00	-14.51	40.51	0.79	0.19	QP
7	1.331	33.41	46.00	-12.59	32.36	0.92	0.13	Average
8	1.331	40.78	56.00	-15.22	39.73	0.92	0.13	QP
9	2.900	33.21	46.00	-12.79	32.01	1.11	0.09	Average
10	2.900	39.73	56.00	-16.27	38.53	1.11	0.09	QP
11	5.594	32.73	50.00	-17.27	31.20	1.34	0.19	Average
12	5.594	39.21	60.00	-20.79	37.68	1.34	0.19	QP
13	19.021	31.39	50.00	-18.61	28.47	2.54	0.38	Average
14	19.021	39.43	60.00	-20.57	36.51	2.54	0.38	QP

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

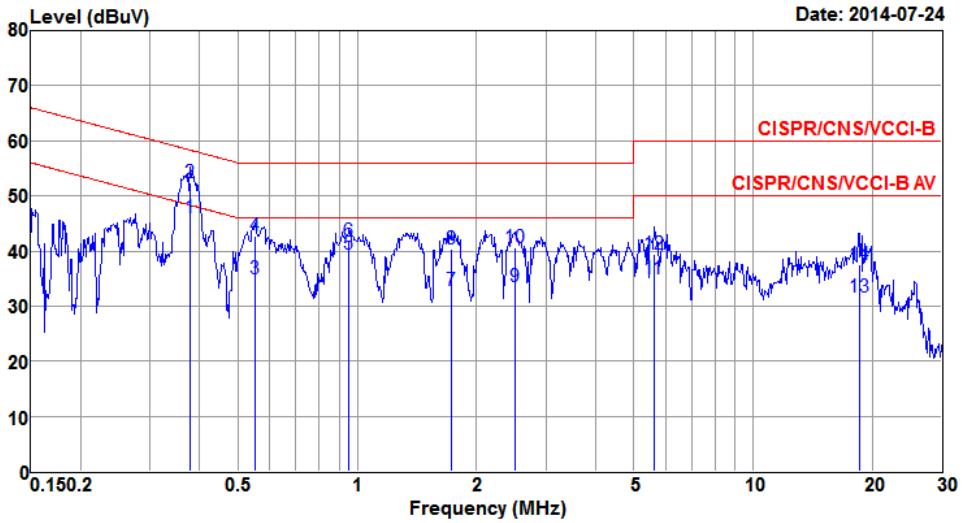
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.379	45.66	48.30	-2.64	45.12	0.52	0.02	Average
2	0.379	54.51	58.30	-3.79	53.97	0.52	0.02	QP
3	0.552	40.05	46.00	-5.95	39.37	0.60	0.08	Average
4	0.552	44.79	56.00	-11.21	44.11	0.60	0.08	QP
5	0.958	37.19	46.00	-8.81	36.28	0.72	0.19	Average
6	0.958	43.13	56.00	-12.87	42.22	0.72	0.19	QP
7	1.310	32.22	46.00	-13.78	31.25	0.84	0.13	Average
8	1.310	42.63	56.00	-13.37	41.66	0.84	0.13	QP
9	2.527	37.89	46.00	-8.11	36.80	1.03	0.06	Average
10	2.527	43.07	56.00	-12.93	41.98	1.03	0.06	QP
11	5.653	35.76	50.00	-14.24	34.27	1.30	0.19	Average
12	5.653	42.87	60.00	-17.13	41.38	1.30	0.19	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	1

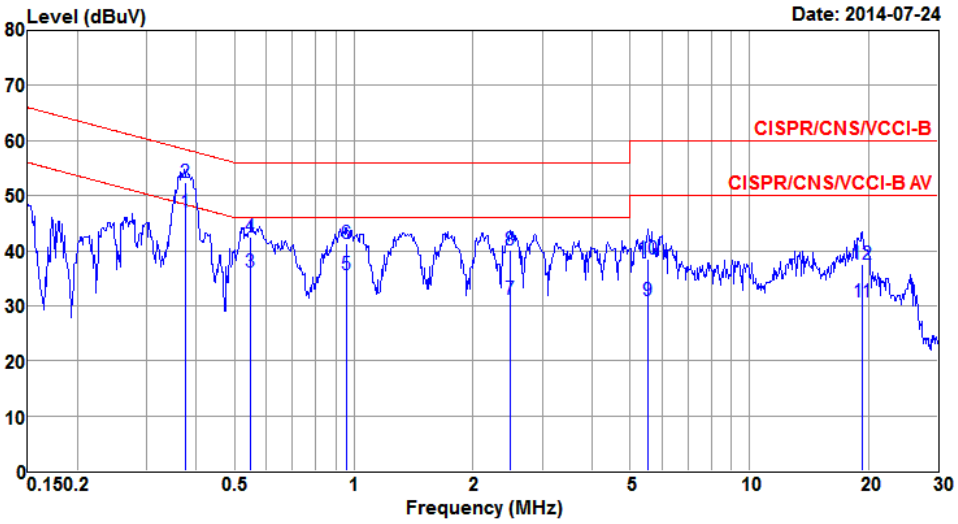


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.379	46.09	48.30	-2.21	45.47	0.60	0.02	Average
2	0.379	52.33	58.30	-5.97	51.71	0.60	0.02	QP
3	0.552	35.03	46.00	-10.97	34.27	0.68	0.08	Average
4	0.552	42.77	56.00	-13.23	42.01	0.68	0.08	QP
5	0.953	39.47	46.00	-6.53	38.49	0.79	0.19	Average
6	0.953	41.78	56.00	-14.22	40.80	0.79	0.19	QP
7	1.725	32.93	46.00	-13.07	31.84	1.03	0.06	Average
8	1.725	40.48	56.00	-15.52	39.39	1.03	0.06	QP
9	2.500	33.48	46.00	-12.52	32.32	1.10	0.06	Average
10	2.500	40.53	56.00	-15.47	39.37	1.10	0.06	QP
11	5.623	34.93	50.00	-15.07	33.39	1.35	0.19	Average
12	5.623	39.37	60.00	-20.63	37.83	1.35	0.19	QP
13	18.524	31.71	50.00	-18.29	28.82	2.51	0.38	Average
14	18.524	37.50	60.00	-22.50	34.61	2.51	0.38	QP

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

3.1.5 Test Result of Conducted Emissions (Configuration 2: External Dipole antenna)

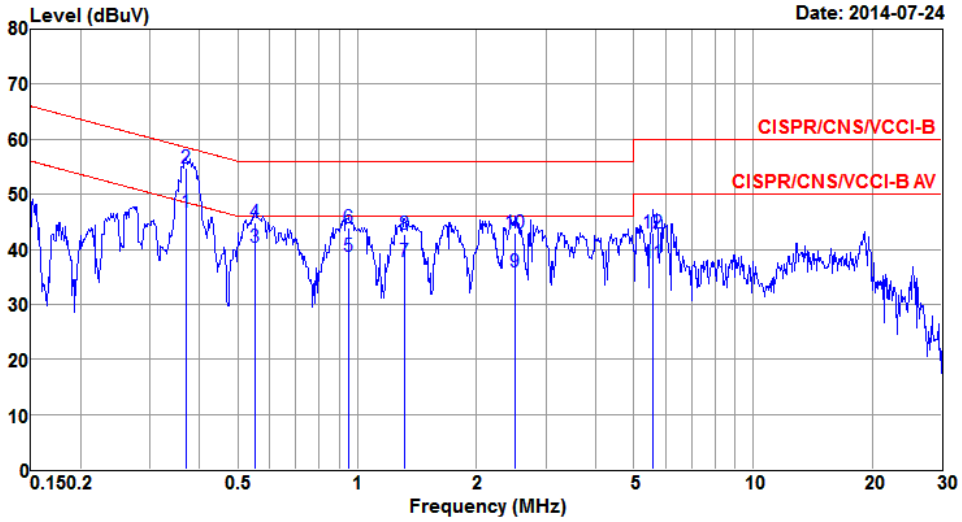
Modulation	11a	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.374	46.93	48.40	-1.47	46.39	0.52	0.02	Average
2	0.374	52.37	58.40	-6.03	51.83	0.52	0.02	QP
3	0.549	36.00	46.00	-10.00	35.32	0.60	0.08	Average
4	0.549	42.58	56.00	-13.42	41.90	0.60	0.08	QP
5	0.958	35.76	46.00	-10.24	34.85	0.72	0.19	Average
6	0.958	41.31	56.00	-14.69	40.40	0.72	0.19	QP
7	2.487	31.27	46.00	-14.73	30.18	1.03	0.06	Average
8	2.487	40.23	56.00	-15.77	39.14	1.03	0.06	QP
9	5.535	30.82	50.00	-19.18	29.34	1.29	0.19	Average
10	5.535	38.41	60.00	-21.59	36.93	1.29	0.19	QP
11	19.326	30.69	50.00	-19.31	28.23	2.07	0.39	Average
12	19.326	37.46	60.00	-22.54	35.00	2.07	0.39	QP

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

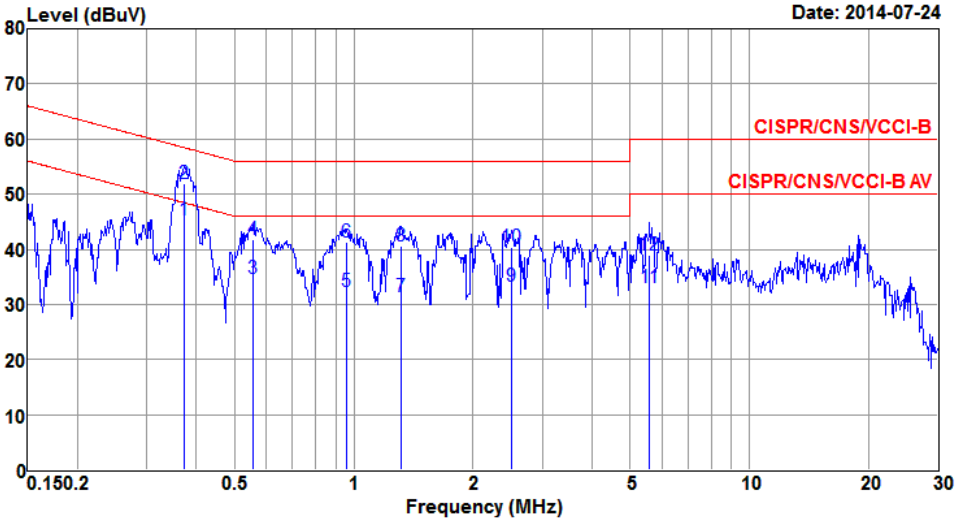
Modulation	11a	Test Freq. (MHz)	5200
Power Phase	Neutral	Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.369	46.68	48.52	-1.84	46.06	0.60	0.02	Average
2	0.369	54.67	58.52	-3.85	54.05	0.60	0.02	QP
3	0.552	40.26	46.00	-5.74	39.50	0.68	0.08	Average
4	0.552	44.83	56.00	-11.17	44.07	0.68	0.08	QP
5	0.953	38.66	46.00	-7.34	37.68	0.79	0.19	Average
6	0.953	43.83	56.00	-12.17	42.85	0.79	0.19	QP
7	1.317	37.65	46.00	-8.35	36.60	0.92	0.13	Average
8	1.317	42.73	56.00	-13.27	41.68	0.92	0.13	QP
9	2.500	35.80	46.00	-10.20	34.64	1.10	0.06	Average
10	2.500	42.96	56.00	-13.04	41.80	1.10	0.06	QP
11	5.594	37.46	50.00	-12.54	35.93	1.34	0.19	Average
12	5.594	42.88	60.00	-17.12	41.35	1.34	0.19	QP

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

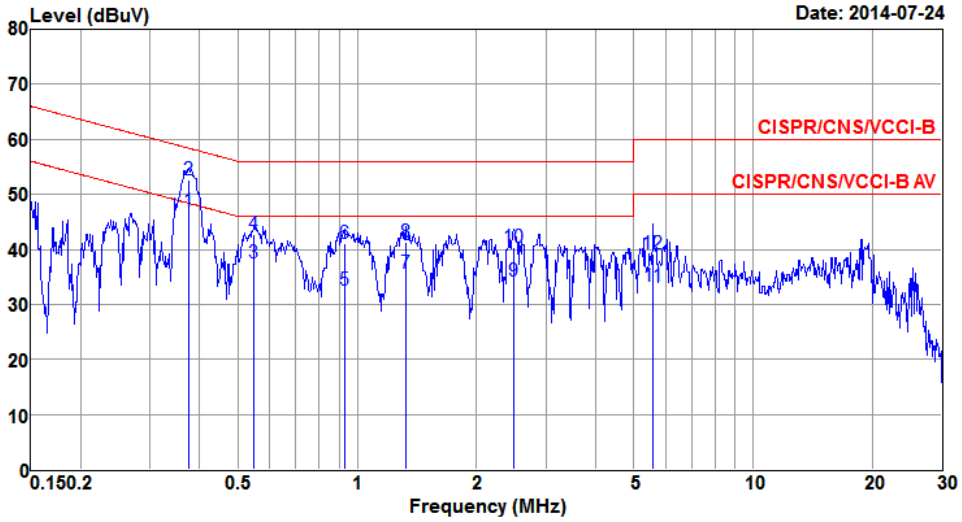
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.373	45.33	48.43	-3.10	44.79	0.52	0.02	Average
2	0.373	52.03	58.43	-6.40	51.49	0.52	0.02	QP
3	0.558	34.68	46.00	-11.32	33.99	0.60	0.09	Average
4	0.558	41.81	56.00	-14.19	41.12	0.60	0.09	QP
5	0.958	32.42	46.00	-13.58	31.51	0.72	0.19	Average
6	0.958	41.31	56.00	-14.69	40.40	0.72	0.19	QP
7	1.317	31.31	46.00	-14.69	30.34	0.84	0.13	Average
8	1.317	40.61	56.00	-15.39	39.64	0.84	0.13	QP
9	2.513	33.20	46.00	-12.80	32.11	1.03	0.06	Average
10	2.513	40.40	56.00	-15.60	39.31	1.03	0.06	QP
11	5.594	33.07	50.00	-16.93	31.58	1.30	0.19	Average
12	5.594	39.02	60.00	-20.98	37.53	1.30	0.19	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	2

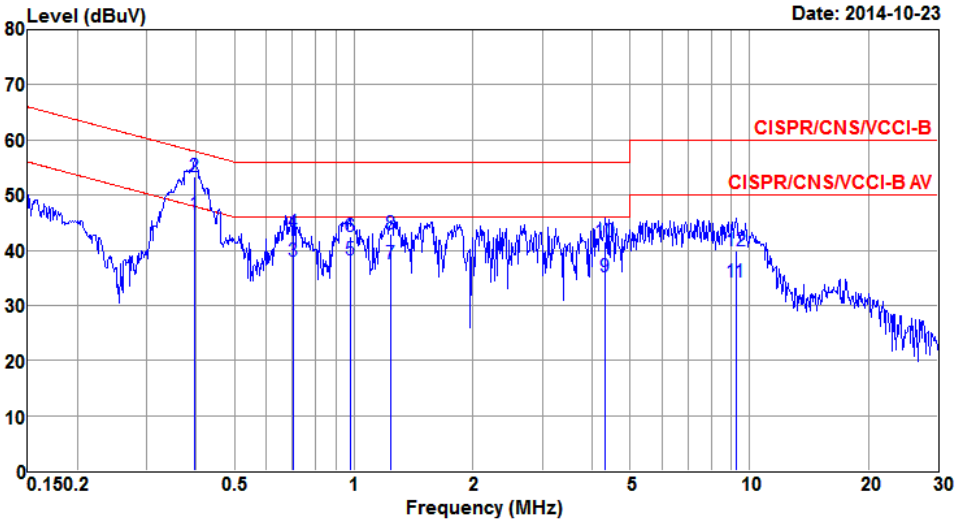


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.375	47.04	48.39	-1.35	46.42	0.60	0.02	Average
2	0.375	52.56	58.39	-5.83	51.94	0.60	0.02	QP
3	0.549	37.52	46.00	-8.48	36.76	0.68	0.08	Average
4	0.549	42.68	56.00	-13.32	41.92	0.68	0.08	QP
5	0.928	32.55	46.00	-13.45	31.58	0.78	0.19	Average
6	0.928	41.18	56.00	-14.82	40.21	0.78	0.19	QP
7	1.324	35.65	46.00	-10.35	34.60	0.92	0.13	Average
8	1.324	41.31	56.00	-14.69	40.26	0.92	0.13	QP
9	2.487	34.13	46.00	-11.87	32.97	1.10	0.06	Average
10	2.487	40.34	56.00	-15.66	39.18	1.10	0.06	QP
11	5.594	33.34	50.00	-16.66	31.81	1.34	0.19	Average
12	5.594	39.11	60.00	-20.89	37.58	1.34	0.19	QP

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

3.1.6 Test Result of Conducted Emissions (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

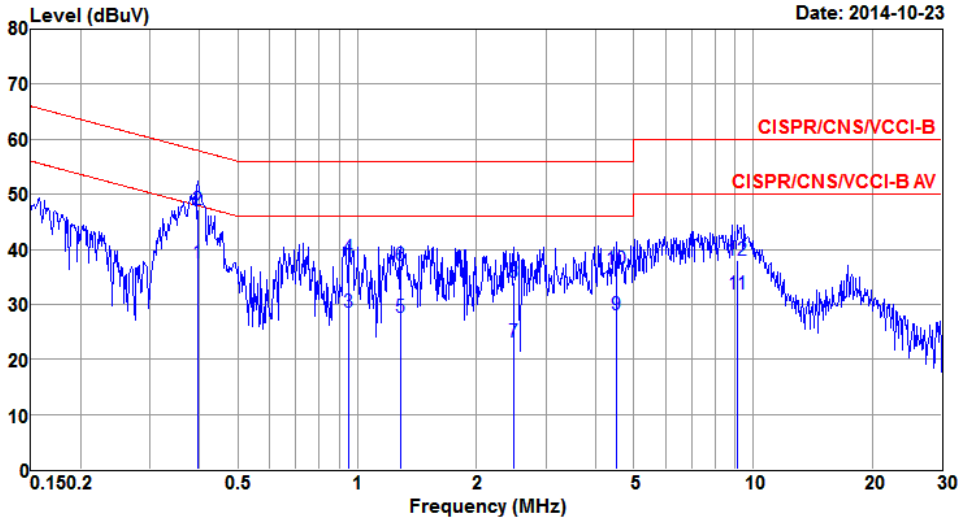
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	3



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.396	46.61	47.95	-1.34	46.06	0.53	0.02	Average
2	0.396	53.33	57.95	-4.62	52.78	0.53	0.02	QP
3	0.701	37.97	46.00	-8.03	37.30	0.65	0.02	Average
4	0.701	43.26	56.00	-12.74	42.59	0.65	0.02	QP
5	0.979	38.12	46.00	-7.88	37.38	0.72	0.02	Average
6	0.979	42.43	56.00	-13.57	41.69	0.72	0.02	QP
7	1.242	37.45	46.00	-8.55	36.61	0.82	0.02	Average
8	1.242	42.91	56.00	-13.09	42.07	0.82	0.02	QP
9	4.315	35.21	46.00	-10.79	33.93	1.12	0.16	Average
10	4.315	41.48	56.00	-14.52	40.20	1.12	0.16	QP
11	9.253	34.24	50.00	-15.76	32.36	1.64	0.24	Average
12	9.253	40.01	60.00	-19.99	38.13	1.64	0.24	QP

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

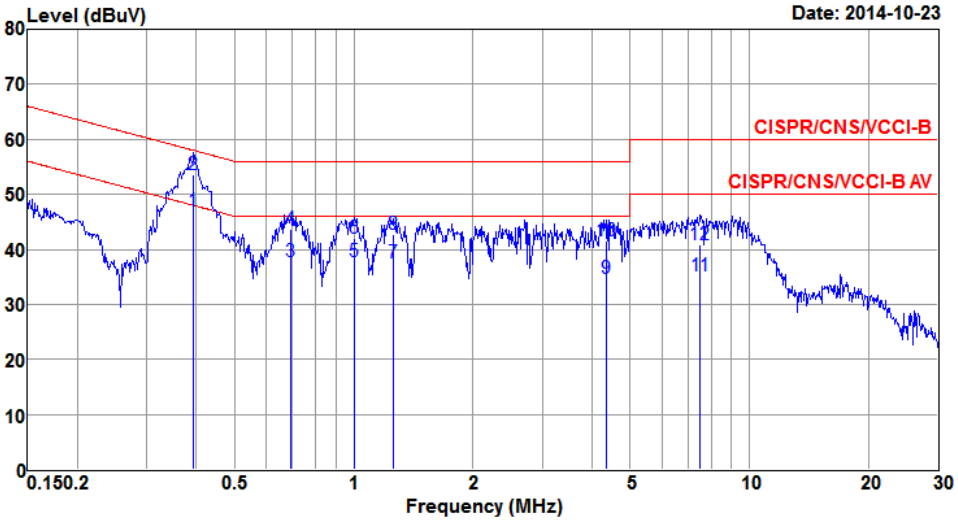
Modulation	VHT20	**Test Freq. (MHz)**	5200
Power Phase	Neutral	**Configuration**	3



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.396	37.63	47.95	-10.32	37.00	0.61	0.02	Average
2	0.396	47.28	57.95	-10.67	46.65	0.61	0.02	QP
3	0.953	28.60	46.00	-17.40	27.79	0.79	0.02	Average
4	0.953	38.49	56.00	-17.51	37.68	0.79	0.02	QP
5	1.289	27.60	46.00	-18.40	26.67	0.91	0.02	Average
6	1.289	36.99	56.00	-19.01	36.06	0.91	0.02	QP
7	2.487	23.02	46.00	-22.98	21.86	1.10	0.06	Average
8	2.487	34.05	56.00	-21.95	32.89	1.10	0.06	QP
9	4.525	28.12	46.00	-17.88	26.75	1.21	0.16	Average
10	4.525	36.29	56.00	-19.71	34.92	1.21	0.16	QP
11	9.156	31.90	50.00	-18.10	30.00	1.66	0.24	Average
12	9.156	37.98	60.00	-22.02	36.08	1.66	0.24	QP

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

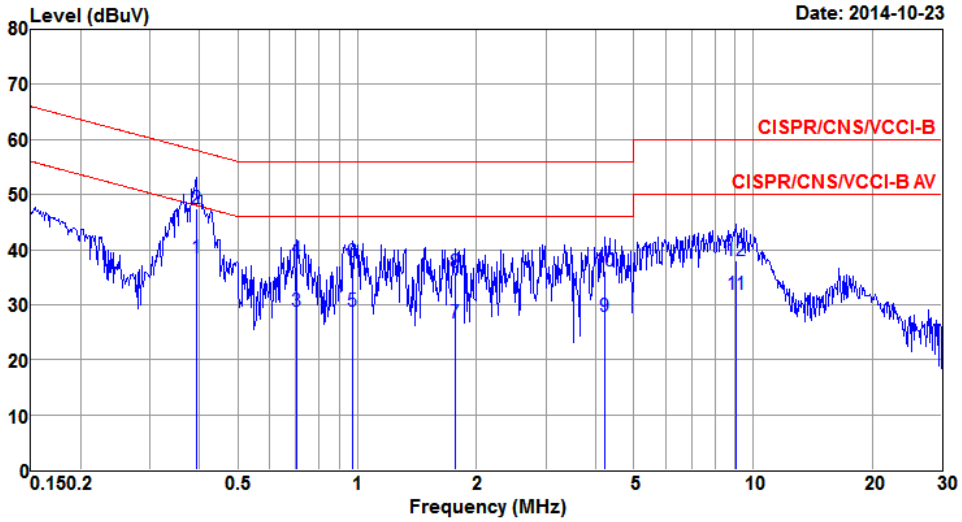
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	3



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.393	46.95	47.99	-1.04	46.40	0.53	0.02	Average
2	0.393	53.47	57.99	-4.52	52.92	0.53	0.02	QP
3	0.694	37.79	46.00	-8.21	37.12	0.65	0.02	Average
4	0.694	43.66	56.00	-12.34	42.99	0.65	0.02	QP
5	1.000	37.72	46.00	-8.28	36.97	0.73	0.02	Average
6	1.000	42.01	56.00	-13.99	41.26	0.73	0.02	QP
7	1.255	37.53	46.00	-8.47	36.69	0.82	0.02	Average
8	1.255	42.66	56.00	-13.34	41.82	0.82	0.02	QP
9	4.338	34.81	46.00	-11.19	33.52	1.13	0.16	Average
10	4.338	41.51	56.00	-14.49	40.22	1.13	0.16	QP
11	7.526	35.11	50.00	-14.89	33.39	1.50	0.22	Average
12	7.526	40.90	60.00	-19.10	39.18	1.50	0.22	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	3

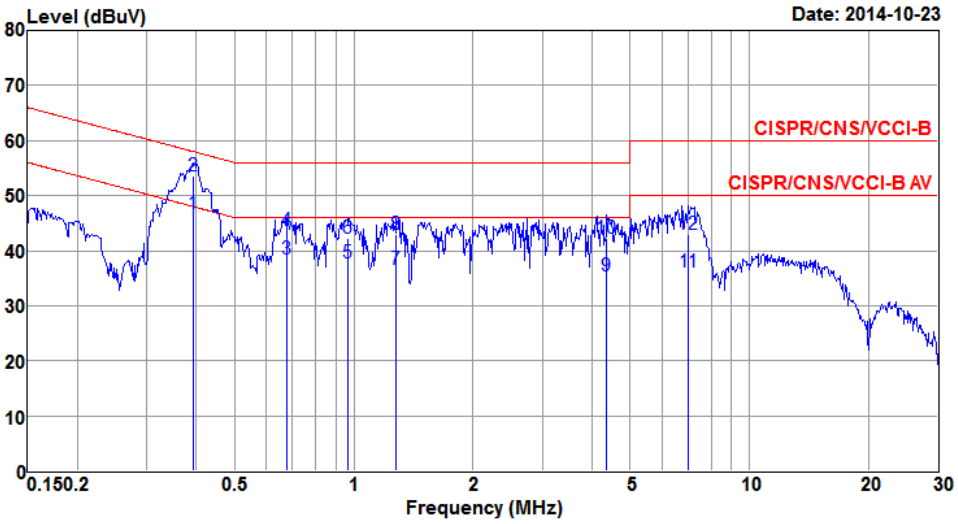


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.391	38.39	48.03	-9.64	37.76	0.61	0.02	Average
2	0.391	47.33	58.03	-10.70	46.70	0.61	0.02	QP
3	0.705	28.73	46.00	-17.27	27.98	0.73	0.02	Average
4	0.705	38.19	56.00	-17.81	37.44	0.73	0.02	QP
5	0.974	28.79	46.00	-17.21	27.98	0.79	0.02	Average
6	0.974	37.83	56.00	-18.17	37.02	0.79	0.02	QP
7	1.762	26.59	46.00	-19.41	25.53	1.04	0.02	Average
8	1.762	35.82	56.00	-20.18	34.76	1.04	0.02	QP
9	4.224	27.83	46.00	-18.17	26.51	1.16	0.16	Average
10	4.224	36.21	56.00	-19.79	34.89	1.16	0.16	QP
11	9.059	31.77	50.00	-18.23	29.88	1.65	0.24	Average
12	9.059	38.00	60.00	-22.00	36.11	1.65	0.24	QP

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

3.1.7 Test Result of Conducted Emissions (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

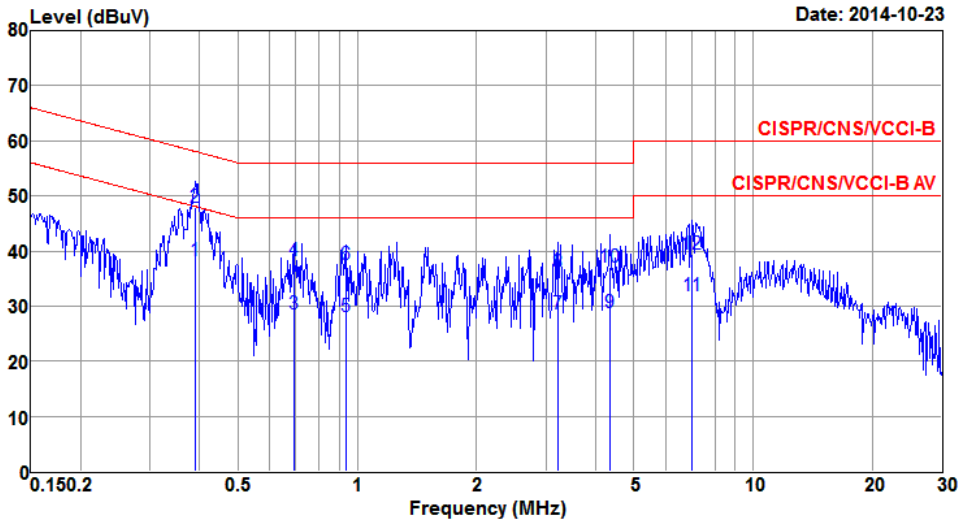
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	4



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.393	46.70	47.99	-1.29	46.15	0.53	0.02	Average
2	0.393	53.51	57.99	-4.48	52.96	0.53	0.02	QP
3	0.679	38.42	46.00	-7.58	37.75	0.65	0.02	Average
4	0.679	43.64	56.00	-12.36	42.97	0.65	0.02	QP
5	0.963	37.71	46.00	-8.29	36.97	0.72	0.02	Average
6	0.963	42.29	56.00	-13.71	41.55	0.72	0.02	QP
7	1.282	36.66	46.00	-9.34	35.81	0.83	0.02	Average
8	1.282	42.90	56.00	-13.10	42.05	0.83	0.02	QP
9	4.361	35.30	46.00	-10.70	34.01	1.13	0.16	Average
10	4.361	42.21	56.00	-13.79	40.92	1.13	0.16	QP
11	7.025	36.18	50.00	-13.82	34.52	1.45	0.21	Average
12	7.025	42.93	60.00	-17.07	41.27	1.45	0.21	QP

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

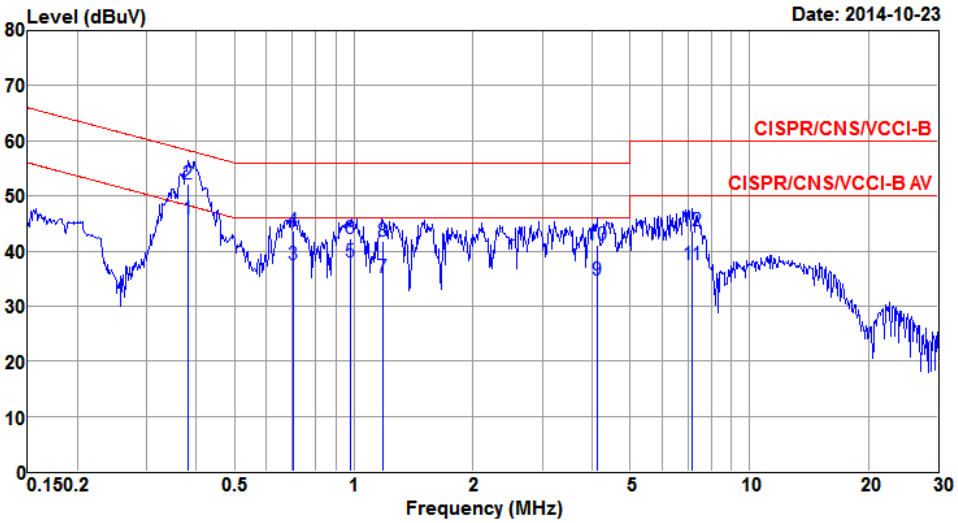
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Neutral	Configuration	4



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.391	38.24	48.04	-9.80	37.61	0.61	0.02	Average
2	0.391	47.97	58.04	-10.07	47.34	0.61	0.02	QP
3	0.690	28.53	46.00	-17.47	27.79	0.72	0.02	Average
4	0.690	38.17	56.00	-17.83	37.43	0.72	0.02	QP
5	0.938	28.01	46.00	-17.99	27.20	0.79	0.02	Average
6	0.938	37.59	56.00	-18.41	36.78	0.79	0.02	QP
7	3.207	28.48	46.00	-17.52	27.25	1.12	0.11	Average
8	3.207	36.16	56.00	-19.84	34.93	1.12	0.11	QP
9	4.338	28.90	46.00	-17.10	27.56	1.18	0.16	Average
10	4.338	36.95	56.00	-19.05	35.61	1.18	0.16	QP
11	7.025	31.87	50.00	-18.13	30.17	1.49	0.21	Average
12	7.025	39.41	60.00	-20.59	37.71	1.49	0.21	QP

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

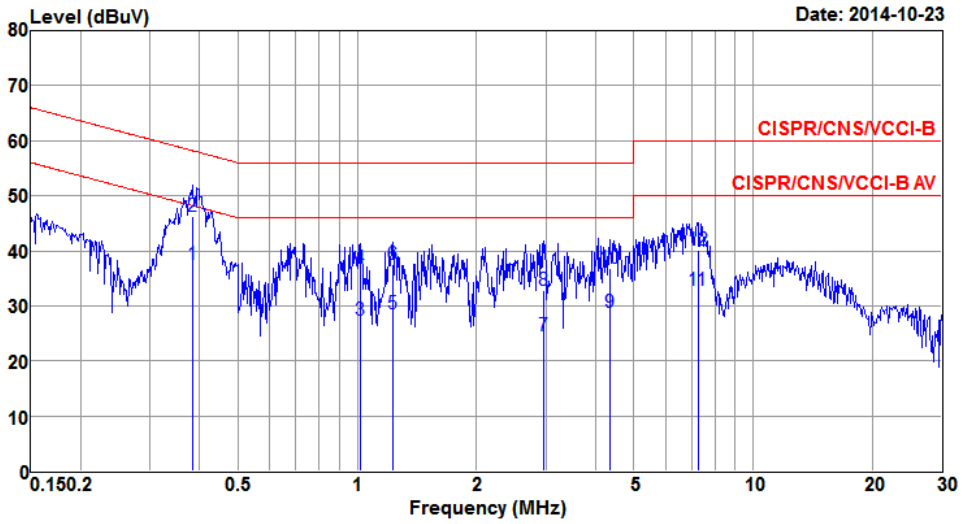
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	4



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.381	45.89	48.25	-2.36	45.35	0.52	0.02	Average
2	0.381	52.07	58.25	-6.18	51.53	0.52	0.02	QP
3	0.705	37.54	46.00	-8.46	36.87	0.65	0.02	Average
4	0.705	43.67	56.00	-12.33	43.00	0.65	0.02	QP
5	0.979	38.03	46.00	-7.97	37.29	0.72	0.02	Average
6	0.979	42.29	56.00	-13.71	41.55	0.72	0.02	QP
7	1.184	35.07	46.00	-10.93	34.25	0.80	0.02	Average
8	1.184	41.70	56.00	-14.30	40.88	0.80	0.02	QP
9	4.114	34.59	46.00	-11.41	33.35	1.09	0.15	Average
10	4.114	41.18	56.00	-14.82	39.94	1.09	0.15	QP
11	7.175	37.43	50.00	-12.57	35.75	1.47	0.21	Average
12	7.175	43.74	60.00	-16.26	42.06	1.47	0.21	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	4

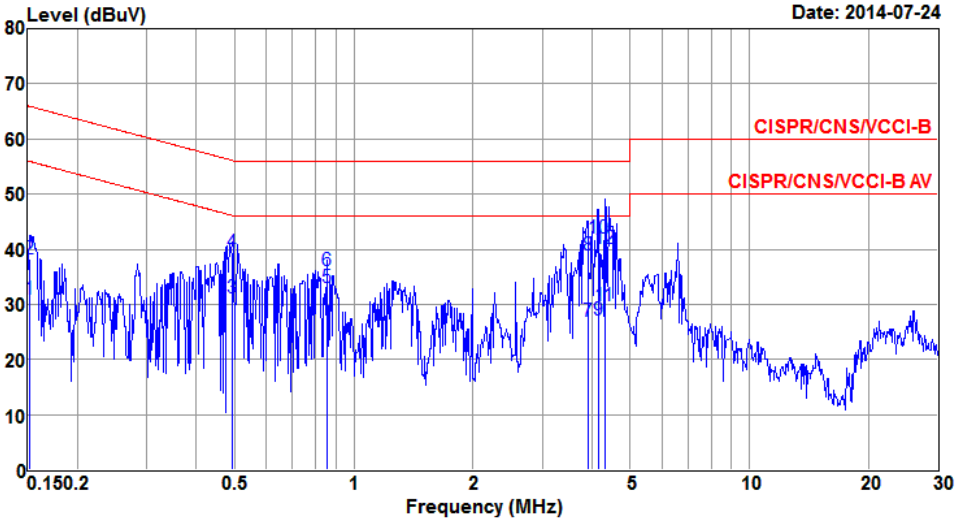


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.383	37.46	48.21	-10.75	36.84	0.60	0.02	Average
2	0.383	46.18	58.21	-12.03	45.56	0.60	0.02	QP
3	1.021	27.37	46.00	-18.63	26.54	0.81	0.02	Average
4	1.021	36.81	56.00	-19.19	35.98	0.81	0.02	QP
5	1.229	28.58	46.00	-17.42	27.67	0.89	0.02	Average
6	1.229	37.62	56.00	-18.38	36.71	0.89	0.02	QP
7	2.962	24.64	46.00	-21.36	23.44	1.11	0.09	Average
8	2.962	32.82	56.00	-23.18	31.62	1.11	0.09	QP
9	4.338	28.90	46.00	-17.10	27.56	1.18	0.16	Average
10	4.338	36.91	56.00	-19.09	35.57	1.18	0.16	QP
11	7.252	32.73	50.00	-17.27	31.01	1.51	0.21	Average
12	7.252	40.10	60.00	-19.90	38.38	1.51	0.21	QP

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

3.1.8 Test Result of Conducted Emissions (Configuration 5: Internal PIFA antenna)

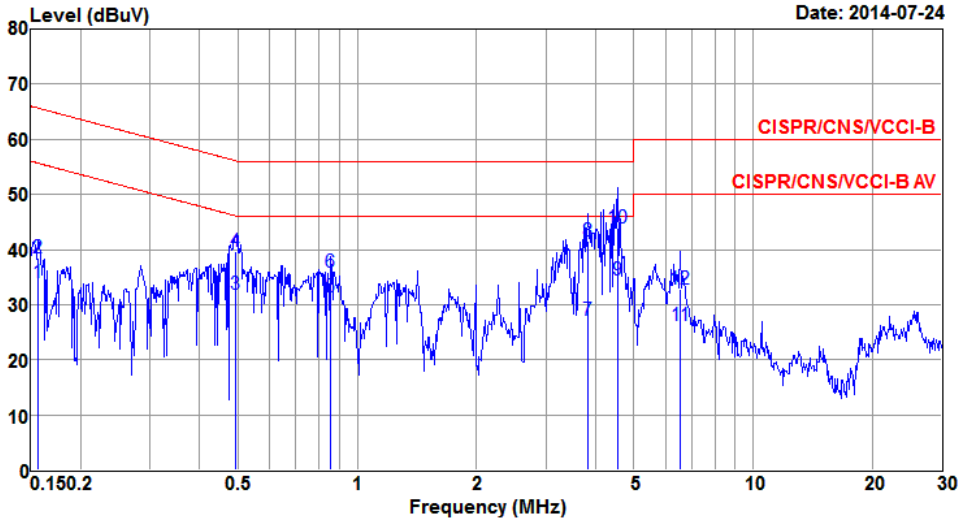
Modulation	VHT20	Test Freq. (MHz)	5240
Power Phase	Line	Configuration	5



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.152	30.88	55.91	-25.03	30.45	0.41	0.02	Average
2	0.152	38.30	65.91	-27.61	37.87	0.41	0.02	QP
3	0.491	31.05	46.14	-15.09	30.42	0.57	0.06	Average
4	0.491	39.40	56.14	-16.74	38.77	0.57	0.06	QP
5*	0.853	32.95	46.00	-13.05	32.09	0.69	0.17	Average
6	0.853	36.19	56.00	-19.81	35.33	0.69	0.17	QP
7	3.901	26.99	46.00	-19.01	25.77	1.07	0.15	Average
8	3.901	39.00	56.00	-17.00	37.78	1.07	0.15	QP
9	4.158	27.14	46.00	-18.86	25.90	1.09	0.15	Average
10	4.158	42.09	56.00	-13.91	40.85	1.09	0.15	QP
11	4.315	29.63	46.00	-16.37	28.35	1.12	0.16	Average
12	4.315	40.18	56.00	-15.82	38.90	1.12	0.16	QP

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

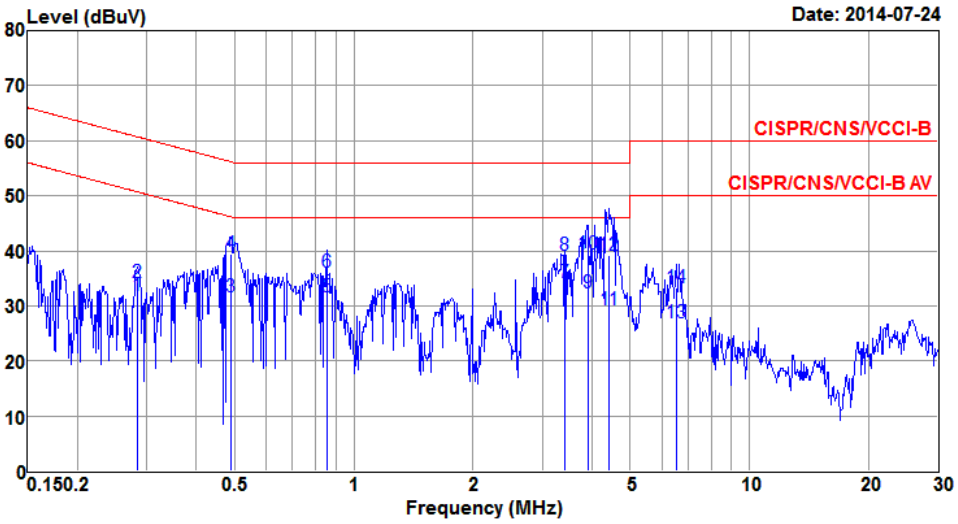
Modulation	VHT20	Test Freq. (MHz)	5240
Power Phase	Neutral	Configuration	5



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.156	33.91	55.69	-21.78	33.40	0.49	0.02	Average
2	0.156	38.45	65.69	-27.24	37.94	0.49	0.02	QP
3	0.491	31.80	46.14	-14.34	31.09	0.65	0.06	Average
4	0.491	39.60	56.14	-16.54	38.89	0.65	0.06	QP
5	0.853	31.28	46.00	-14.72	30.34	0.77	0.17	Average
6	0.853	35.96	56.00	-20.04	35.02	0.77	0.17	QP
7	3.820	27.07	46.00	-18.93	25.80	1.13	0.14	Average
8	3.820	41.47	56.00	-14.53	40.20	1.13	0.14	QP
9*	4.549	34.46	46.00	-11.54	33.09	1.21	0.16	Average
10	4.549	43.85	56.00	-12.15	42.48	1.21	0.16	QP
11	6.557	26.21	50.00	-23.79	24.56	1.45	0.20	Average
12	6.557	32.92	60.00	-27.08	31.27	1.45	0.20	QP

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

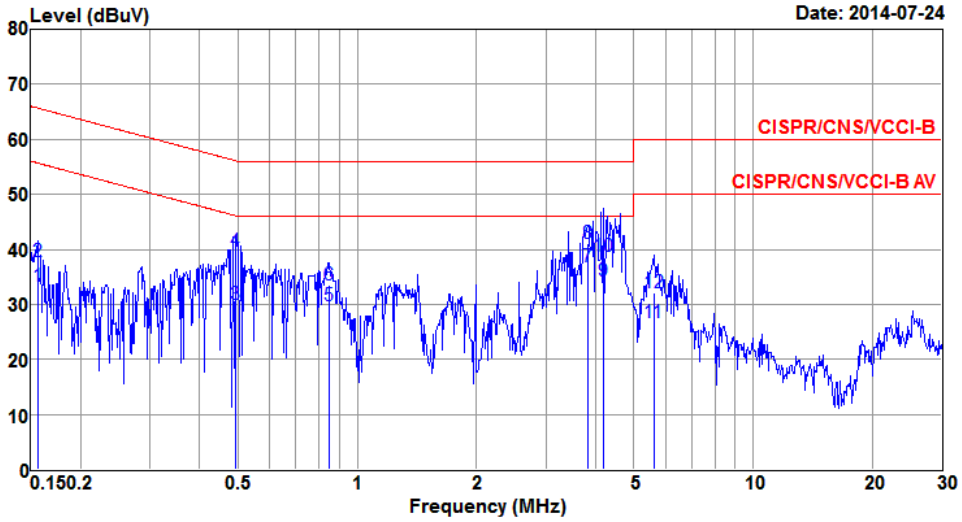
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	5



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.283	31.76	50.72	-18.96	31.28	0.47	0.01	Average
2	0.283	34.20	60.72	-26.52	33.72	0.47	0.01	QP
3	0.489	31.58	46.19	-14.61	30.95	0.57	0.06	Average
4	0.489	39.46	56.19	-16.73	38.83	0.57	0.06	QP
5	0.853	31.55	46.00	-14.45	30.69	0.69	0.17	Average
6	0.853	36.01	56.00	-19.99	35.15	0.69	0.17	QP
7*	3.417	34.16	46.00	-11.84	32.98	1.06	0.12	Average
8	3.417	39.23	56.00	-16.77	38.05	1.06	0.12	QP
9	3.901	32.29	46.00	-13.71	31.07	1.07	0.15	Average
10	3.901	39.36	56.00	-16.64	38.14	1.07	0.15	QP
11	4.430	29.38	46.00	-16.62	28.08	1.14	0.16	Average
12	4.430	39.24	56.00	-16.76	37.94	1.14	0.16	QP
13	6.523	26.91	50.00	-23.09	25.31	1.40	0.20	Average
14	6.523	33.37	60.00	-26.63	31.77	1.40	0.20	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	5

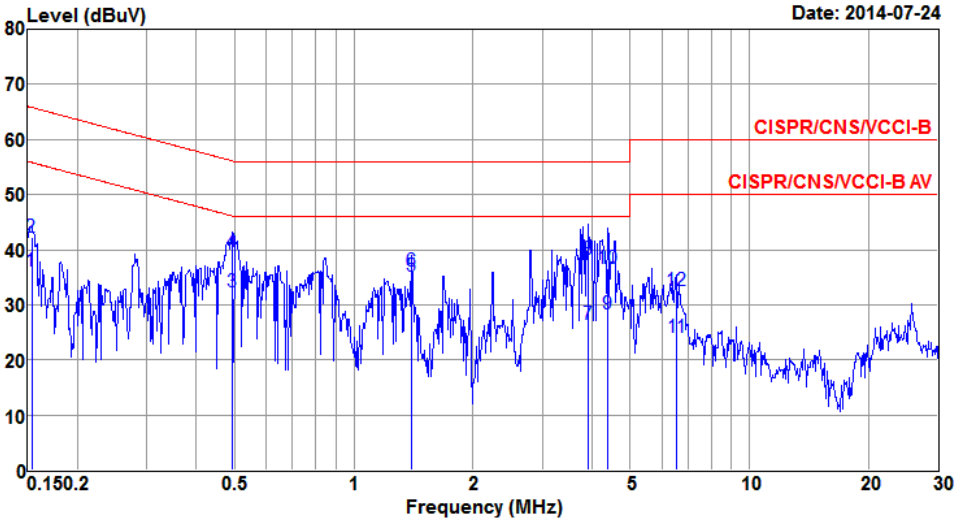


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.156	33.40	55.69	-22.29	32.89	0.49	0.02	Average
2	0.156	37.76	65.69	-27.93	37.25	0.49	0.02	QP
3	0.491	30.09	46.14	-16.05	29.38	0.65	0.06	Average
4	0.491	39.58	56.14	-16.56	38.87	0.65	0.06	QP
5	0.848	29.68	46.00	-16.32	28.75	0.76	0.17	Average
6	0.848	33.56	56.00	-22.44	32.63	0.76	0.17	QP
7*	3.820	36.71	46.00	-9.29	35.44	1.13	0.14	Average
8	3.820	41.01	56.00	-14.99	39.74	1.13	0.14	QP
9	4.180	34.23	46.00	-11.77	32.92	1.16	0.15	Average
10	4.180	38.65	56.00	-17.35	37.34	1.16	0.15	QP
11	5.623	26.66	50.00	-23.34	25.12	1.35	0.19	Average
12	5.623	32.22	60.00	-27.78	30.68	1.35	0.19	QP

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

3.1.9 Test Result of Conducted Emissions (Configuration 6: External Dipole antenna)

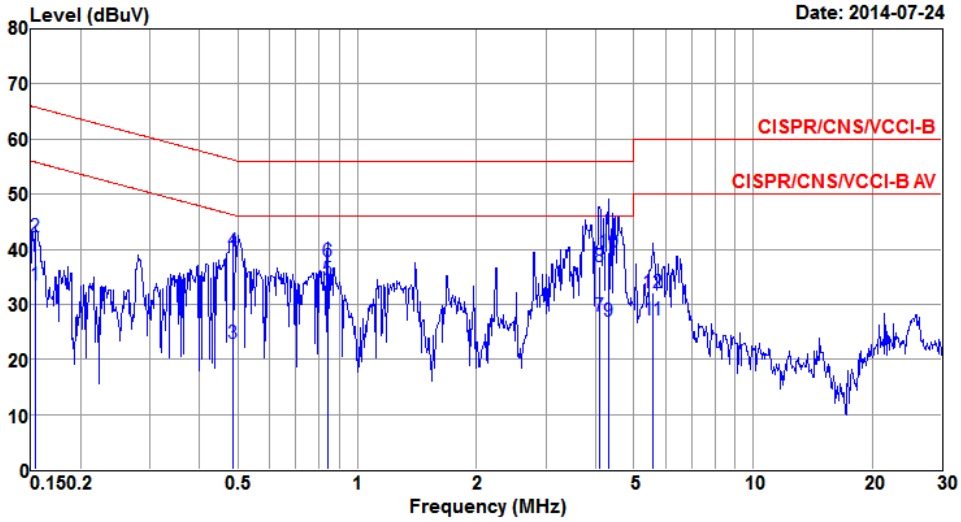
Modulation	11a	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	6



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	36.16	55.82	-19.66	35.73	0.41	0.02	Average
2	0.153	42.24	65.82	-23.58	41.81	0.41	0.02	QP
3	0.491	32.41	46.14	-13.73	31.78	0.57	0.06	Average
4	0.491	39.73	56.14	-16.41	39.10	0.57	0.06	QP
5*	1.403	35.12	46.00	-10.88	34.14	0.87	0.11	Average
6	1.403	36.05	56.00	-19.95	35.07	0.87	0.11	QP
7	3.922	26.33	46.00	-19.67	25.11	1.07	0.15	Average
8	3.922	38.26	56.00	-17.74	37.04	1.07	0.15	QP
9	4.384	28.35	46.00	-17.65	27.06	1.13	0.16	Average
10	4.384	36.51	56.00	-19.49	35.22	1.13	0.16	QP
11	6.557	24.02	50.00	-25.98	22.41	1.41	0.20	Average
12	6.557	32.61	60.00	-27.39	31.00	1.41	0.20	QP

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

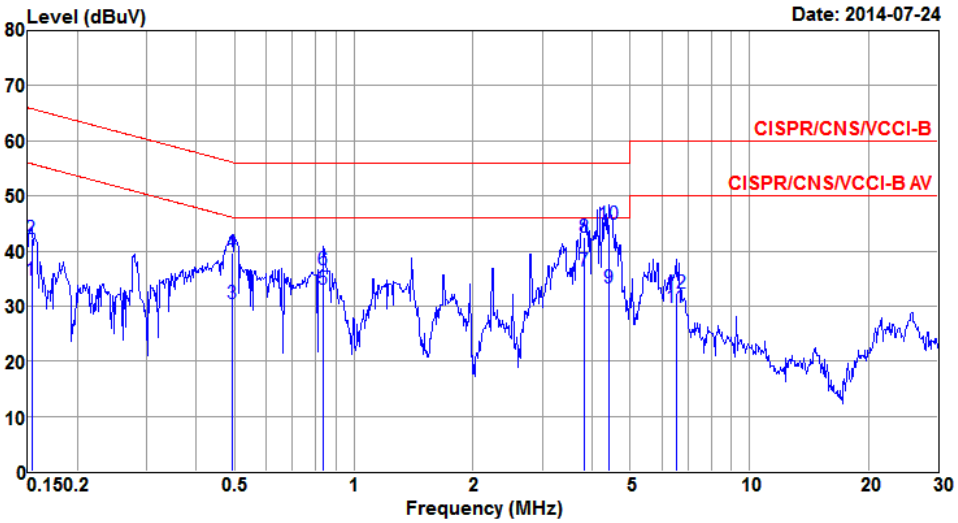
Modulation	11a	**Test Freq. (MHz)**	5200
Power Phase	Neutral	**Configuration**	6



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.154	33.60	55.78	-22.18	33.09	0.49	0.02	Average
2	0.154	42.29	65.78	-23.49	41.78	0.49	0.02	QP
3	0.486	23.01	46.23	-23.22	22.30	0.65	0.06	Average
4	0.486	39.71	56.23	-16.52	39.00	0.65	0.06	QP
5*	0.844	34.51	46.00	-11.49	33.58	0.76	0.17	Average
6	0.844	37.75	56.00	-18.25	36.82	0.76	0.17	QP
7	4.092	27.97	46.00	-18.03	26.68	1.14	0.15	Average
8	4.092	36.83	56.00	-19.17	35.54	1.14	0.15	QP
9	4.315	26.87	46.00	-19.13	25.53	1.18	0.16	Average
10	4.315	39.46	56.00	-16.54	38.12	1.18	0.16	QP
11	5.594	27.15	50.00	-22.85	25.62	1.34	0.19	Average
12	5.594	32.14	60.00	-27.86	30.61	1.34	0.19	QP

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

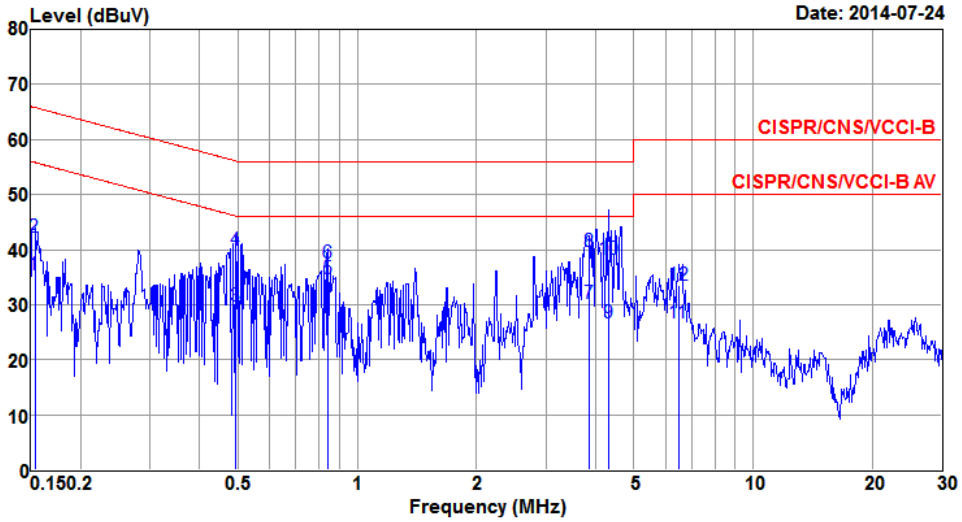
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	6



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	34.72	55.82	-21.10	34.29	0.41	0.02	Average
2	0.153	42.22	65.82	-23.60	41.79	0.41	0.02	QP
3	0.491	30.56	46.14	-15.58	29.93	0.57	0.06	Average
4	0.491	39.66	56.14	-16.48	39.03	0.57	0.06	QP
5	0.839	33.01	46.00	-12.99	32.16	0.69	0.16	Average
6	0.839	36.69	56.00	-19.31	35.84	0.69	0.16	QP
7*	3.820	36.34	46.00	-9.66	35.13	1.07	0.14	Average
8	3.820	42.48	56.00	-13.52	41.27	1.07	0.14	QP
9	4.430	33.40	46.00	-12.60	32.10	1.14	0.16	Average
10	4.430	44.86	56.00	-11.14	43.56	1.14	0.16	QP
11	6.523	29.69	50.00	-20.31	28.09	1.40	0.20	Average
12	6.523	32.42	60.00	-27.58	30.82	1.40	0.20	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	6

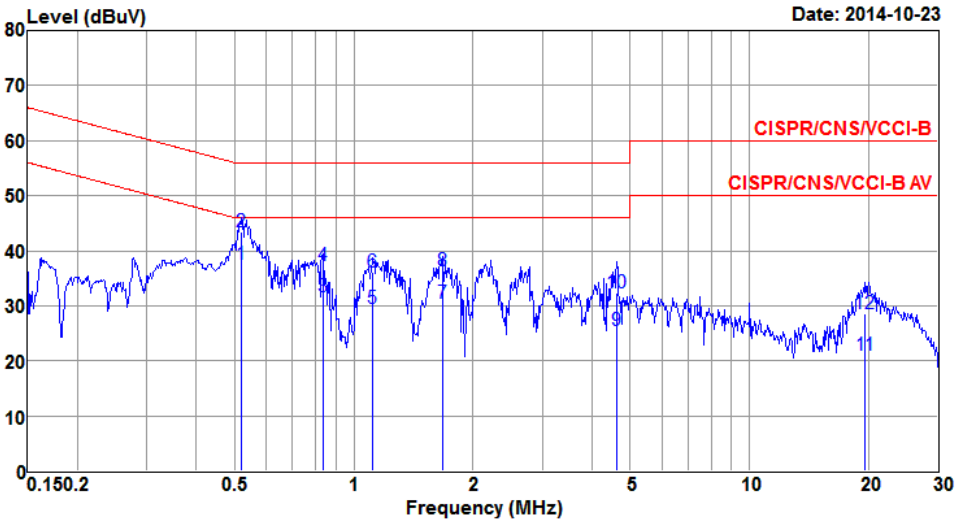


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	35.35	55.82	-20.47	34.84	0.49	0.02	Average
2	0.153	42.30	65.82	-23.52	41.79	0.49	0.02	QP
3	0.491	29.65	46.14	-16.49	28.94	0.65	0.06	Average
4	0.491	39.97	56.14	-16.17	39.26	0.65	0.06	QP
5*	0.844	34.80	46.00	-11.20	33.87	0.76	0.17	Average
6	0.844	37.47	56.00	-18.53	36.54	0.76	0.17	QP
7	3.840	30.32	46.00	-15.68	29.05	1.13	0.14	Average
8	3.840	39.61	56.00	-16.39	38.34	1.13	0.14	QP
9	4.315	26.72	46.00	-19.28	25.38	1.18	0.16	Average
10	4.315	38.14	56.00	-17.86	36.80	1.18	0.16	QP
11	6.488	26.76	50.00	-23.24	25.12	1.44	0.20	Average
12	6.488	33.49	60.00	-26.51	31.85	1.44	0.20	QP

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

3.1.10 Test Result of Conducted Emissions (Configuration 7: External Directional Panel antenna (model WS-AI-DQ04360)

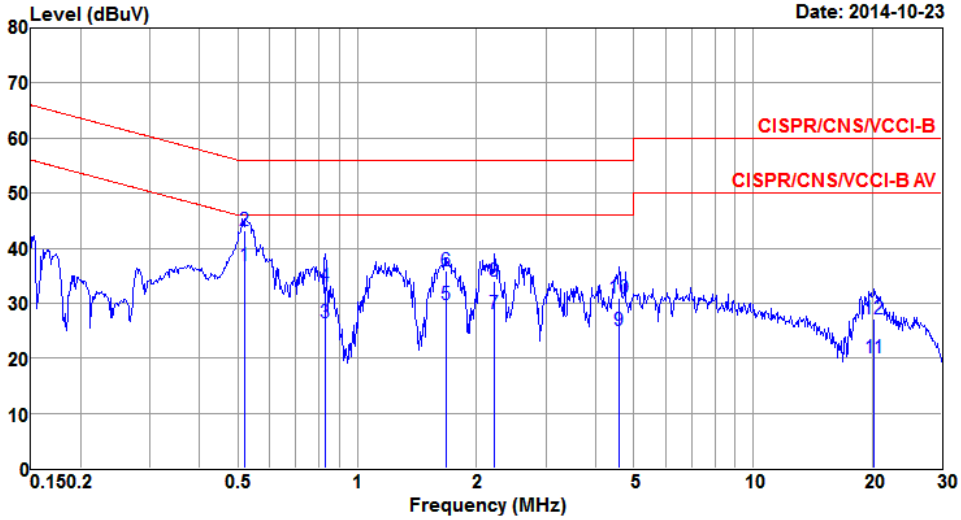
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	7



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.518	37.43	46.00	-8.57	36.82	0.59	0.02	Average
2	0.518	43.44	56.00	-12.56	42.83	0.59	0.02	QP
3	0.835	31.65	46.00	-14.35	30.94	0.69	0.02	Average
4	0.835	37.28	56.00	-18.72	36.57	0.69	0.02	QP
5	1.117	29.48	46.00	-16.52	28.69	0.77	0.02	Average
6	1.117	36.22	56.00	-19.78	35.43	0.77	0.02	QP
7	1.671	30.37	46.00	-15.63	29.41	0.94	0.02	Average
8	1.671	36.28	56.00	-19.72	35.32	0.94	0.02	QP
9	4.622	25.45	46.00	-20.55	24.12	1.16	0.17	Average
10	4.622	32.36	56.00	-23.64	31.03	1.16	0.17	QP
11	19.635	21.10	50.00	-28.90	18.63	2.08	0.39	Average
12	19.635	28.63	60.00	-31.37	26.16	2.08	0.39	QP

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

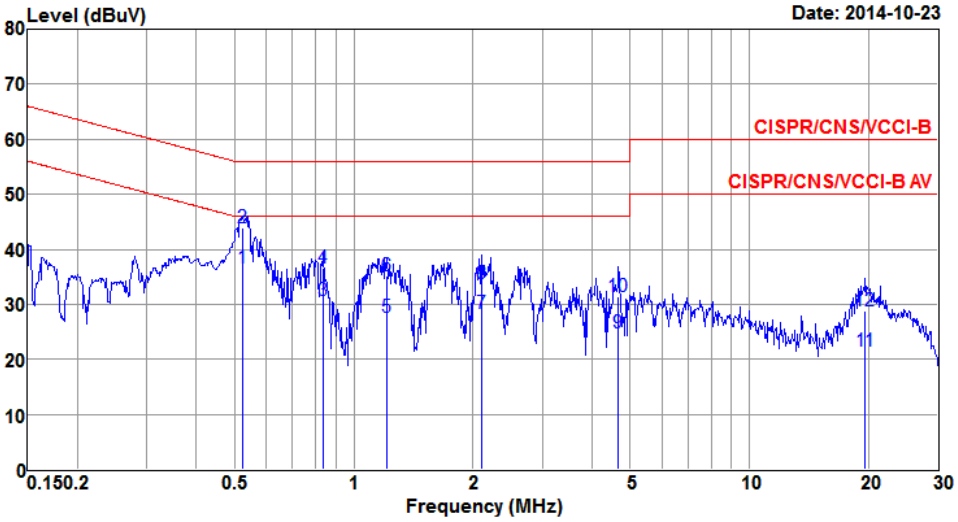
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Neutral	Configuration	7



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.521	36.90	46.00	-9.10	36.22	0.66	0.02	Average
2	0.521	43.23	56.00	-12.77	42.55	0.66	0.02	QP
3	0.830	26.47	46.00	-19.53	25.69	0.76	0.02	Average
4	0.830	33.06	56.00	-22.94	32.28	0.76	0.02	QP
5	1.671	29.81	46.00	-16.19	28.78	1.01	0.02	Average
6	1.671	35.87	56.00	-20.13	34.84	1.01	0.02	QP
7	2.225	28.07	46.00	-17.93	26.93	1.10	0.04	Average
8	2.225	34.06	56.00	-21.94	32.92	1.10	0.04	QP
9	4.574	25.12	46.00	-20.88	23.75	1.21	0.16	Average
10	4.574	30.97	56.00	-25.03	29.60	1.21	0.16	QP
11	20.270	20.02	50.00	-29.98	17.04	2.58	0.40	Average
12	20.270	27.07	60.00	-32.93	24.09	2.58	0.40	QP

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

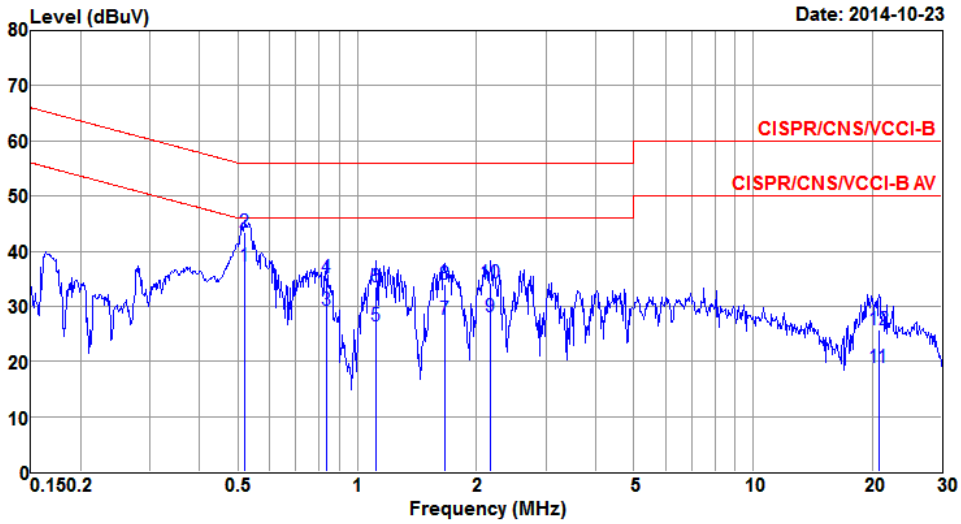
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	7



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.524	36.67	46.00	-9.33	36.06	0.59	0.02	Average
2	0.524	43.81	56.00	-12.19	43.20	0.59	0.02	QP
3	0.839	30.59	46.00	-15.41	29.88	0.69	0.02	Average
4	0.839	36.48	56.00	-19.52	35.77	0.69	0.02	QP
5	1.216	27.60	46.00	-18.40	26.77	0.81	0.02	Average
6	1.216	35.21	56.00	-20.79	34.38	0.81	0.02	QP
7	2.110	28.28	46.00	-17.72	27.24	1.01	0.03	Average
8	2.110	33.85	56.00	-22.15	32.81	1.01	0.03	QP
9	4.672	24.70	46.00	-21.30	23.35	1.18	0.17	Average
10	4.672	31.29	56.00	-24.71	29.94	1.18	0.17	QP
11	19.635	21.51	50.00	-28.49	19.04	2.08	0.39	Average
12	19.635	28.77	60.00	-31.23	26.30	2.08	0.39	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	7

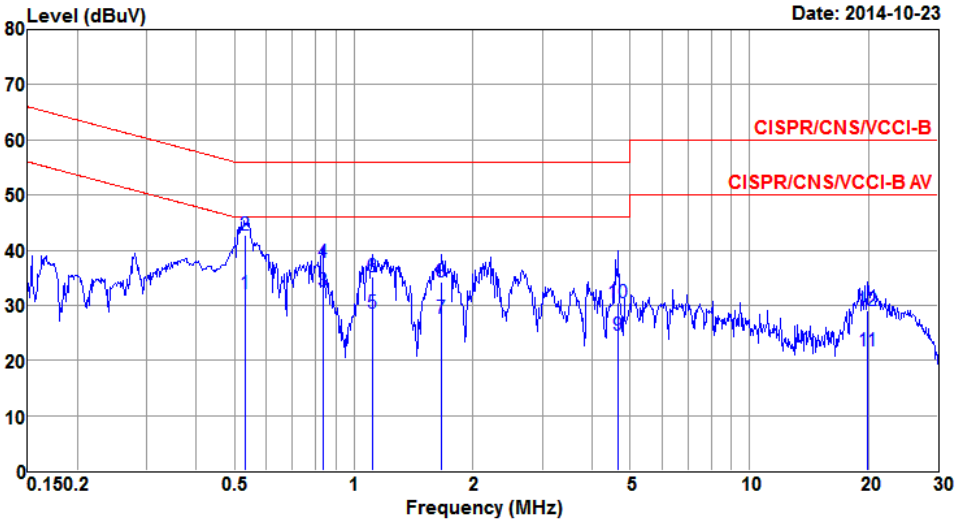


	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.521	37.27	46.00	-8.73	36.59	0.66	0.02	Average
2	0.521	43.34	56.00	-12.66	42.66	0.66	0.02	QP
3	0.839	29.37	46.00	-16.63	28.59	0.76	0.02	Average
4	0.839	35.11	56.00	-20.89	34.33	0.76	0.02	QP
5	1.111	26.37	46.00	-19.63	25.51	0.84	0.02	Average
6	1.111	33.61	56.00	-22.39	32.75	0.84	0.02	QP
7	1.662	27.65	46.00	-18.35	26.62	1.01	0.02	Average
8	1.662	34.09	56.00	-21.91	33.06	1.01	0.02	QP
9	2.167	28.00	46.00	-18.00	26.87	1.09	0.04	Average
10	2.167	34.13	56.00	-21.87	33.00	1.09	0.04	QP
11	20.814	18.77	50.00	-31.23	15.81	2.55	0.41	Average
12	20.814	25.62	60.00	-34.38	22.66	2.55	0.41	QP

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

3.1.11 Test Result of Conducted Emissions (Configuration 8: External Directional Panel antenna (model WS-AI-DD05120)

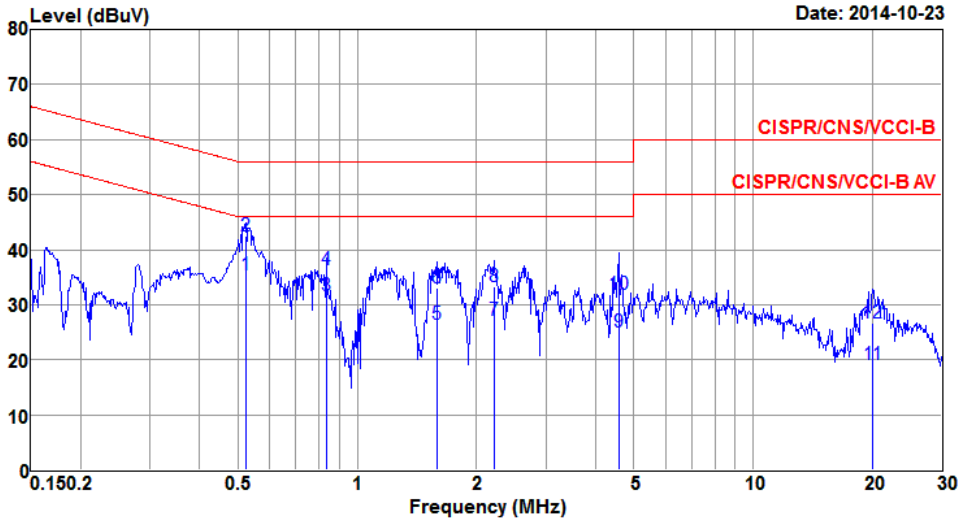
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Line	Configuration	8



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.532	32.20	46.00	-13.80	31.59	0.59	0.02	Average
2*	0.532	42.80	56.00	-13.20	42.19	0.59	0.02	QP
3	0.835	32.46	46.00	-13.54	31.75	0.69	0.02	Average
4	0.835	37.70	56.00	-18.30	36.99	0.69	0.02	QP
5	1.111	28.62	46.00	-17.38	27.83	0.77	0.02	Average
6	1.111	35.23	56.00	-20.77	34.44	0.77	0.02	QP
7	1.662	27.57	46.00	-18.43	26.62	0.93	0.02	Average
8	1.662	34.11	56.00	-21.89	33.16	0.93	0.02	QP
9	4.672	24.46	46.00	-21.54	23.11	1.18	0.17	Average
10	4.672	30.47	56.00	-25.53	29.12	1.18	0.17	QP
11	19.950	21.73	50.00	-28.27	19.24	2.09	0.40	Average
12	19.950	28.99	60.00	-31.01	26.50	2.09	0.40	QP

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

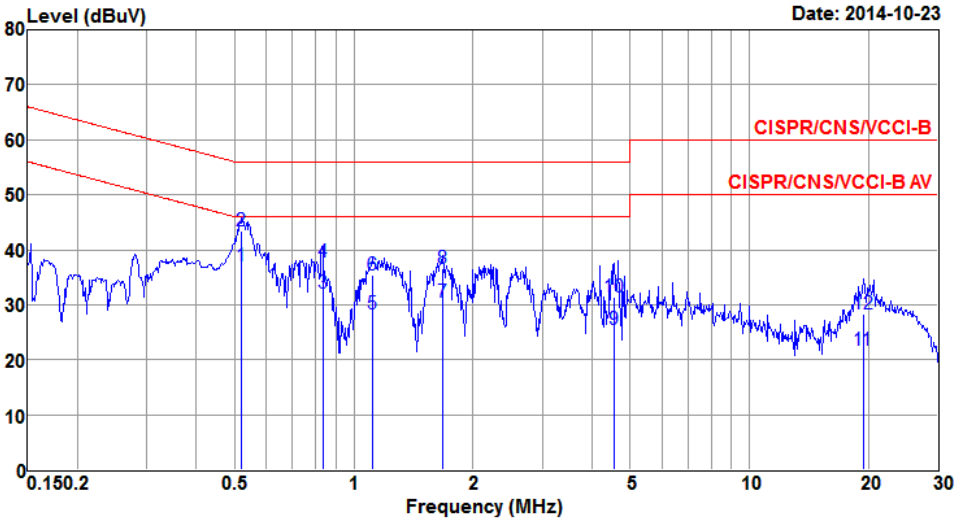
Modulation	VHT20	Test Freq. (MHz)	5200
Power Phase	Neutral	Configuration	8



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.524	35.41	46.00	-10.59	34.72	0.67	0.02	Average
2	0.524	42.51	56.00	-13.49	41.82	0.67	0.02	QP
3	0.835	31.52	46.00	-14.48	30.74	0.76	0.02	Average
4	0.835	36.45	56.00	-19.55	35.67	0.76	0.02	QP
5	1.593	26.43	46.00	-19.57	25.42	0.99	0.02	Average
6	1.593	33.08	56.00	-22.92	32.07	0.99	0.02	QP
7	2.213	27.22	46.00	-18.78	26.08	1.10	0.04	Average
8	2.213	33.33	56.00	-22.67	32.19	1.10	0.04	QP
9	4.574	25.04	46.00	-20.96	23.67	1.21	0.16	Average
10	4.574	31.96	56.00	-24.04	30.59	1.21	0.16	QP
11	20.056	19.23	50.00	-30.77	16.23	2.60	0.40	Average
12	20.056	26.70	60.00	-33.30	23.70	2.60	0.40	QP

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

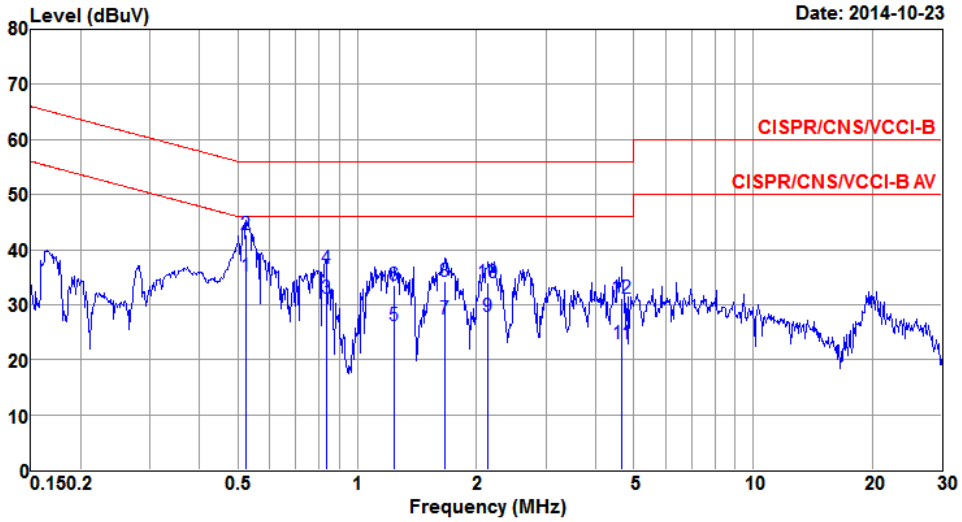
Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Line	Configuration	8



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.521	37.11	46.00	-8.89	36.50	0.59	0.02	Average
2	0.521	43.47	56.00	-12.53	42.86	0.59	0.02	QP
3	0.835	32.08	46.00	-13.92	31.37	0.69	0.02	Average
4	0.835	37.80	56.00	-18.20	37.09	0.69	0.02	QP
5	1.111	28.34	46.00	-17.66	27.55	0.77	0.02	Average
6	1.111	35.29	56.00	-20.71	34.50	0.77	0.02	QP
7	1.671	30.52	46.00	-15.48	29.56	0.94	0.02	Average
8	1.671	36.56	56.00	-19.44	35.60	0.94	0.02	QP
9	4.549	25.52	46.00	-20.48	24.21	1.15	0.16	Average
10	4.549	31.43	56.00	-24.57	30.12	1.15	0.16	QP
11	19.428	21.63	50.00	-28.37	19.17	2.07	0.39	Average
12	19.428	28.43	60.00	-31.57	25.97	2.07	0.39	QP

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

Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral	Configuration	8



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.524	35.24	46.00	-10.76	34.55	0.67	0.02	Average
2	0.524	42.71	56.00	-13.29	42.02	0.67	0.02	QP
3	0.835	31.12	46.00	-14.88	30.34	0.76	0.02	Average
4	0.835	36.47	56.00	-19.53	35.69	0.76	0.02	QP
5	1.242	26.23	46.00	-19.77	25.32	0.89	0.02	Average
6	1.242	33.54	56.00	-22.46	32.63	0.89	0.02	QP
7	1.662	27.49	46.00	-18.51	26.46	1.01	0.02	Average
8	1.662	34.17	56.00	-21.83	33.14	1.01	0.02	QP
9	2.144	27.96	46.00	-18.04	26.84	1.09	0.03	Average
10	2.144	33.98	56.00	-22.02	32.86	1.09	0.03	QP
11	4.672	22.82	46.00	-23.18	21.42	1.23	0.17	Average
12	4.672	31.06	56.00	-24.94	29.66	1.23	0.17	QP

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

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.

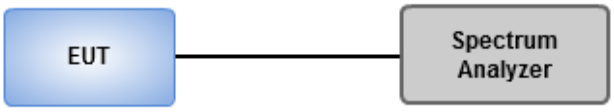
Occupied Bandwidth

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

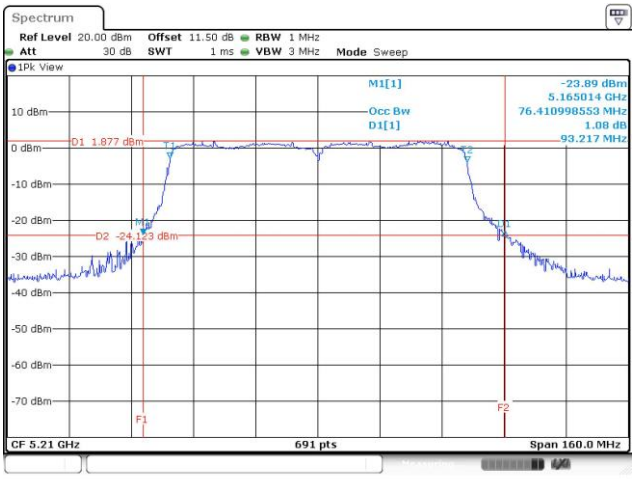
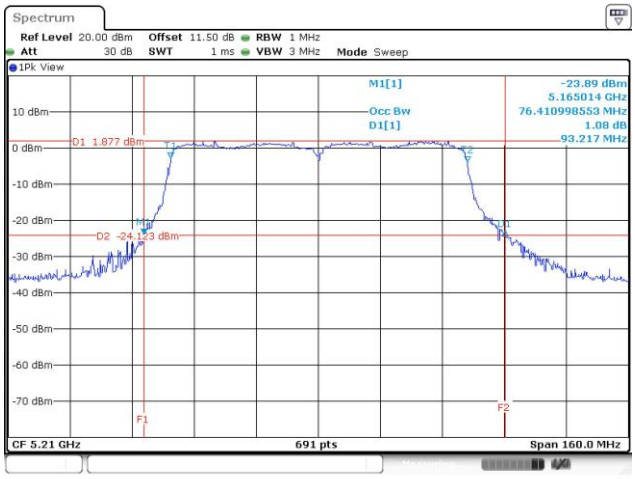
1. Set RBW = 100kHz, VBW = 300kHz
2. Detector = Peak,Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB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

3.2.3 Test Setup

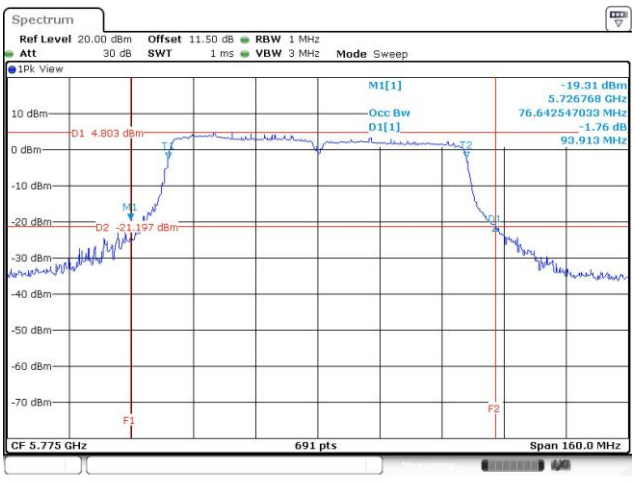
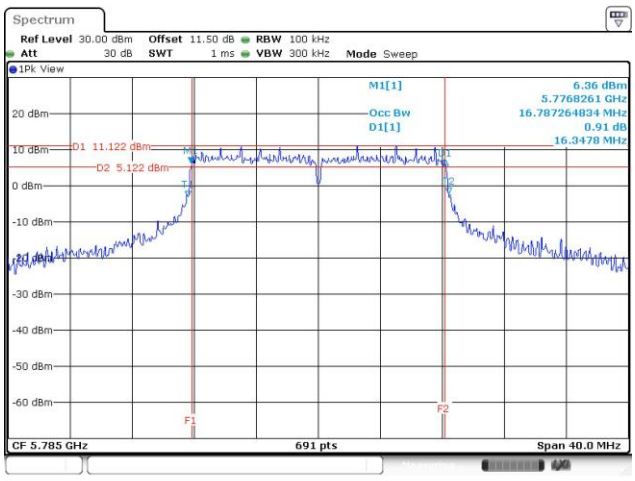


3.2.4 Test Result of Emission Bandwidth (Configuration 1: Internal PIFA antenna)

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	2	5180	23.36	22.67	---	---	17.19	16.79	---	---
11a	2	5200	26.03	22.61	---	---	17.13	16.85	---	---
11a	2	5240	25.22	24.64	---	---	17.19	16.96	---	---
VHT20	2	5180	24.41	24.12	---	---	18.29	18.06	---	---
VHT20	2	5200	30.03	24.93	---	---	18.18	18.18	---	---
VHT20	2	5240	29.68	31.01	---	---	18.29	18.18	---	---
VHT40	2	5190	47.19	47.54	---	---	37.63	37.28	---	---
VHT40	2	5230	48.23	46.38	---	---	37.51	37.28	---	---
VHT80	2	5210	93.22	92.29	---	---	76.41	76.41	---	---

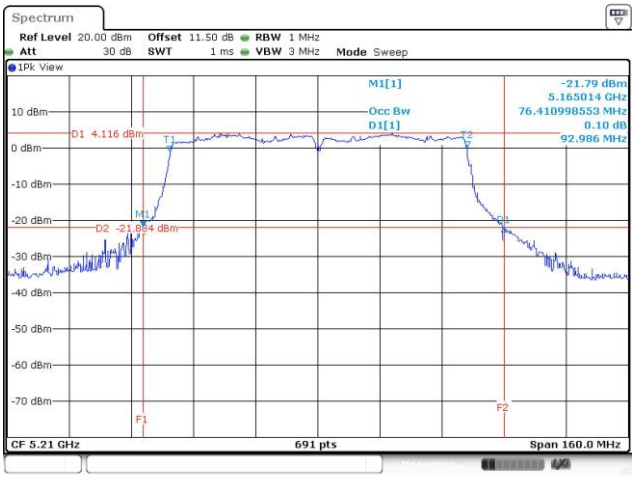
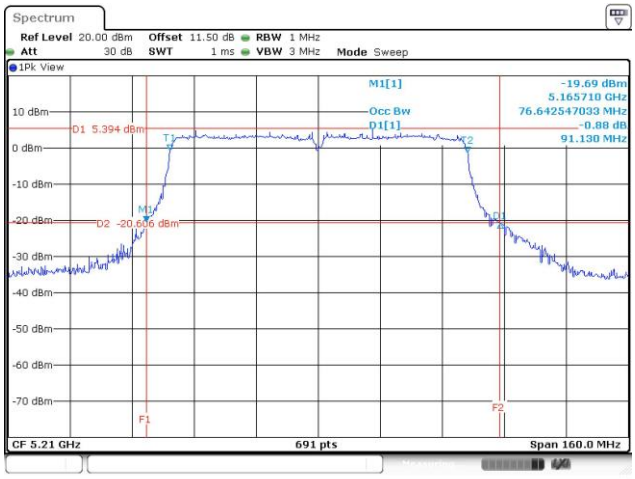
Worst Plots of 99% Bandwidth	Worst Plots of 6dB Bandwidth
	

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	2	5745	17.08	16.85	---	---	16.46	16.41	---	---	0.5
11a	2	5785	20.77	17.80	---	---	16.35	16.35	---	---	0.5
11a	2	5825	17.19	16.79	---	---	16.35	16.35	---	---	0.5
VHT20	2	5745	18.18	17.89	---	---	17.62	16.93	---	---	0.5
VHT20	2	5785	21.71	19.32	---	---	17.62	17.57	---	---	0.5
VHT20	2	5825	18.18	18.06	---	---	17.62	17.62	---	---	0.5
VHT40	2	5755	37.74	37.28	---	---	36.41	36.41	---	---	0.5
VHT40	2	5795	37.74	37.40	---	---	36.41	36.41	---	---	0.5
VHT80	2	5775	76.64	76.18	---	---	75.83	75.83	---	---	0.5

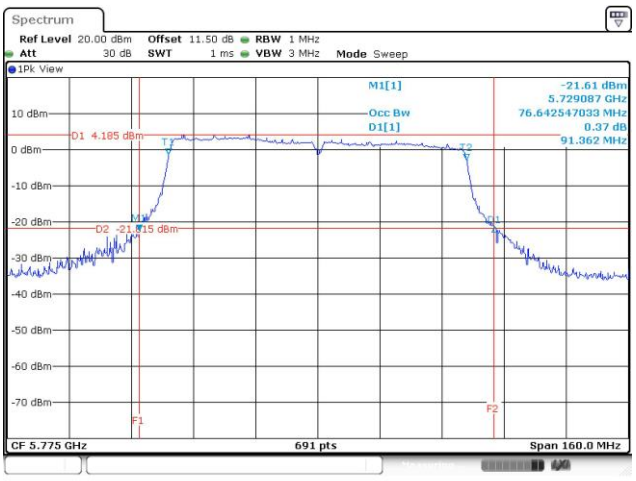
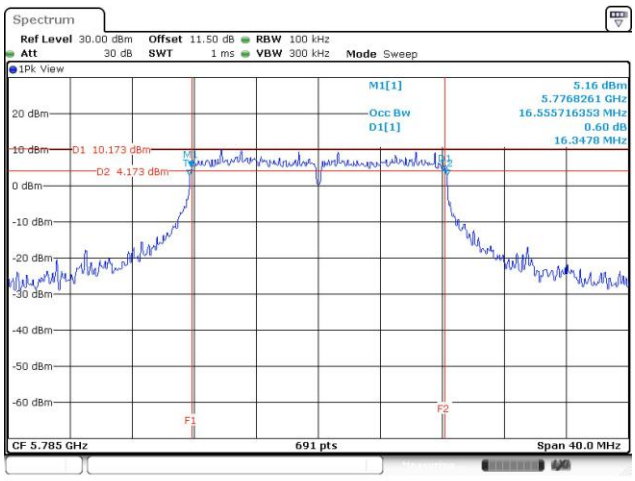
Worst Plots of 99% Bandwidth	Worst Plots of 6dB Bandwidth
	

3.2.5 Test Result of Emission Bandwidth (Configuration 2: External Dipole antenna)

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	2	5180	22.78	21.22	---	---	16.90	16.61	---	---
11a	2	5200	23.19	24.58	---	---	16.85	16.85	---	---
11a	2	5240	24.23	23.94	---	---	16.96	16.85	---	---
VHT20	2	5180	22.67	22.90	---	---	17.83	17.89	---	---
VHT20	2	5200	23.94	24.58	---	---	18.12	18.00	---	---
VHT20	2	5240	23.42	23.42	---	---	18.06	17.89	---	---
VHT40	2	5190	45.68	45.57	---	---	37.05	37.05	---	---
VHT40	2	5230	45.57	44.41	---	---	36.93	37.05	---	---
VHT80	2	5210	92.99	91.13	---	---	76.41	76.64	---	---

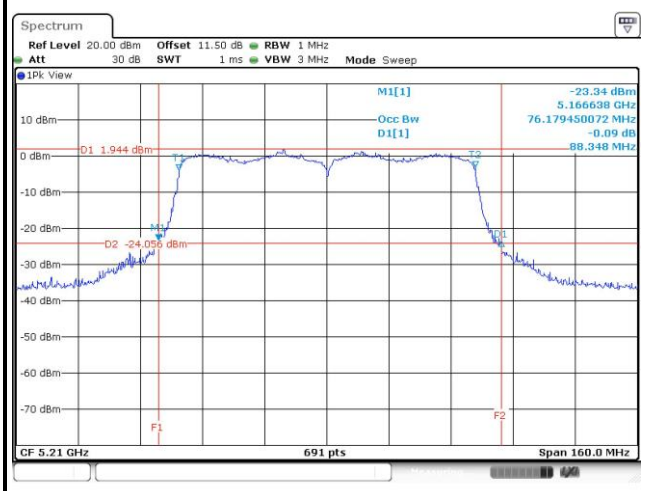
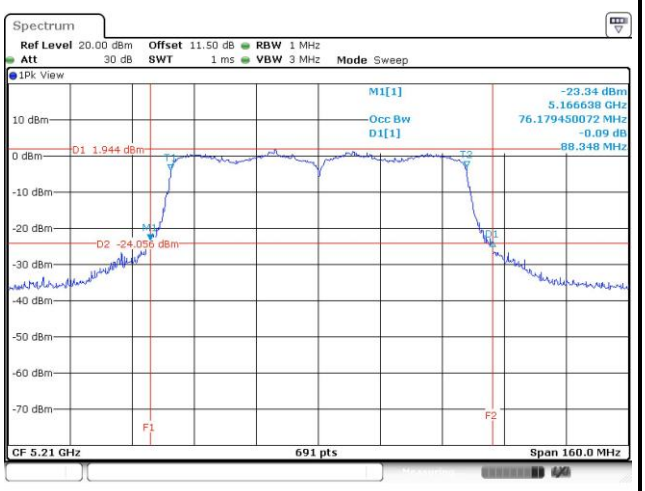
Worst Plots of 26dB Bandwidth	Worst Plots of 99% Bandwidth
	

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	2	5745	17.08	16.85	---	---	16.46	16.46	---	---	0.5
11a	2	5785	18.31	18.81	---	---	16.35	16.35	---	---	0.5
11a	2	5825	17.13	16.90	---	---	16.35	16.35	---	---	0.5
VHT20	2	5745	18.12	18.18	---	---	17.57	17.62	---	---	0.5
VHT20	2	5785	19.54	20.19	---	---	17.62	17.62	---	---	0.5
VHT20	2	5825	18.29	18.12	---	---	17.62	17.62	---	---	0.5
VHT40	2	5755	37.63	37.51	---	---	36.41	36.41	---	---	0.5
VHT40	2	5795	37.86	37.63	---	---	36.41	36.41	---	---	0.5
VHT80	2	5775	76.64	76.41	---	---	75.83	75.83	---	---	0.5

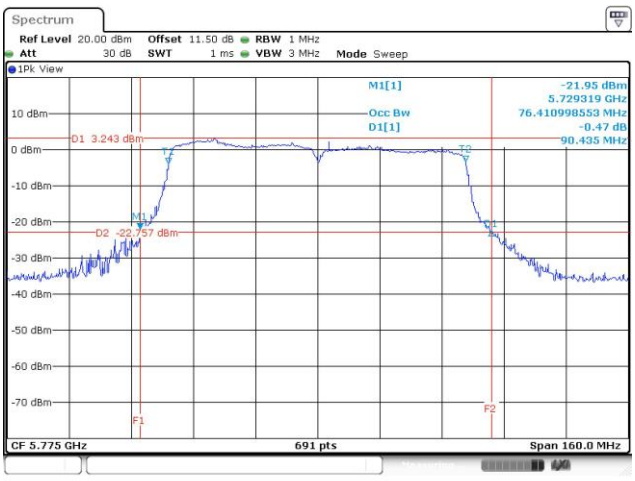
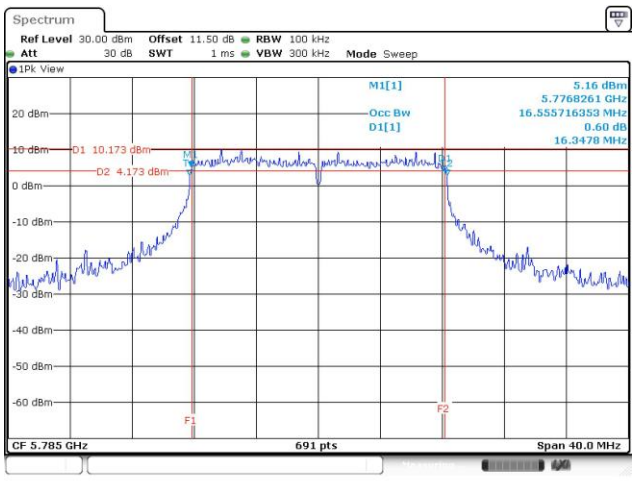
Worst Plots of 99% Bandwidth	Worst Plots of 6dB Bandwidth
	

3.2.6 Test Result of Emission Bandwidth (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

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	2	5180	22.38	21.57	---	---	16.85	16.67	---	---
11a	2	5200	22.84	21.91	---	---	16.73	16.67	---	---
11a	2	5240	22.84	21.62	---	---	16.73	16.67	---	---
VHT20	2	5180	22.43	22.67	---	---	17.83	17.83	---	---
VHT20	2	5200	23.83	25.22	---	---	18.12	18.00	---	---
VHT20	2	5240	23.42	23.42	---	---	18.06	17.89	---	---
VHT40	2	5190	46.26	45.33	---	---	37.05	37.05	---	---
VHT40	2	5230	45.57	44.41	---	---	36.93	36.82	---	---
VHT80	2	5210	88.35	86.26	---	---	76.18	76.18	---	---

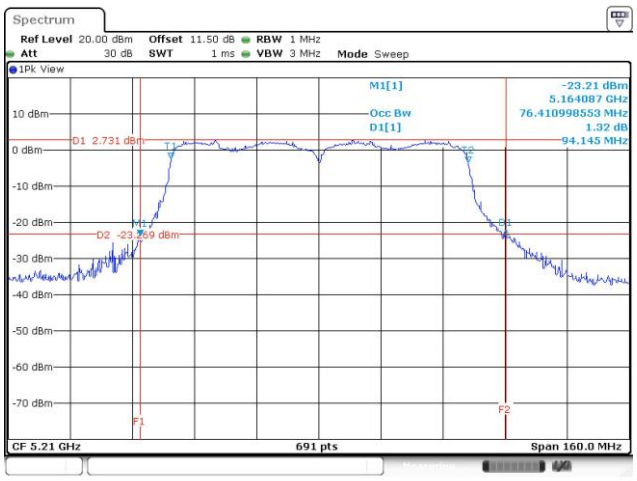
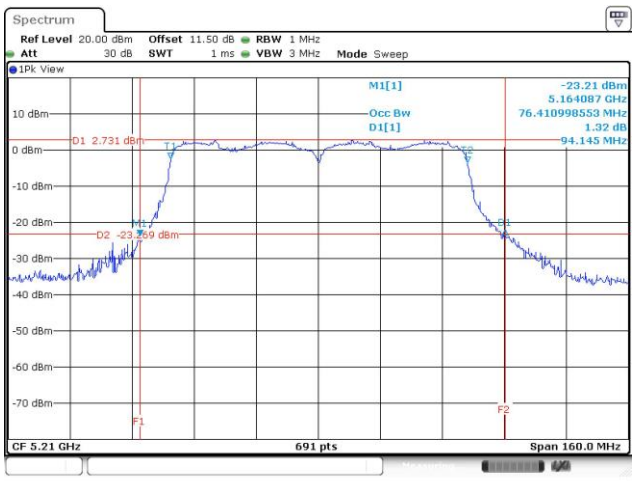
Worst Plots of 26dB Bandwidth	Worst Plots of 99% Bandwidth
	

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	2	5745	17.13	16.79	---	---	16.46	16.46	---	---	0.5
11a	2	5785	18.31	18.81	---	---	16.35	16.35	---	---	0.5
11a	2	5825	17.13	16.90	---	---	16.35	16.35	---	---	0.5
VHT20	2	5745	18.29	18.06	---	---	17.62	17.57	---	---	0.5
VHT20	2	5785	19.54	20.19	---	---	17.62	17.62	---	---	0.5
VHT20	2	5825	18.29	18.12	---	---	17.62	17.62	---	---	0.5
VHT40	2	5755	37.51	37.51	---	---	36.29	36.41	---	---	0.5
VHT40	2	5795	37.51	37.63	---	---	36.29	36.41	---	---	0.5
VHT80	2	5775	76.41	76.41	---	---	75.83	75.83	---	---	0.5

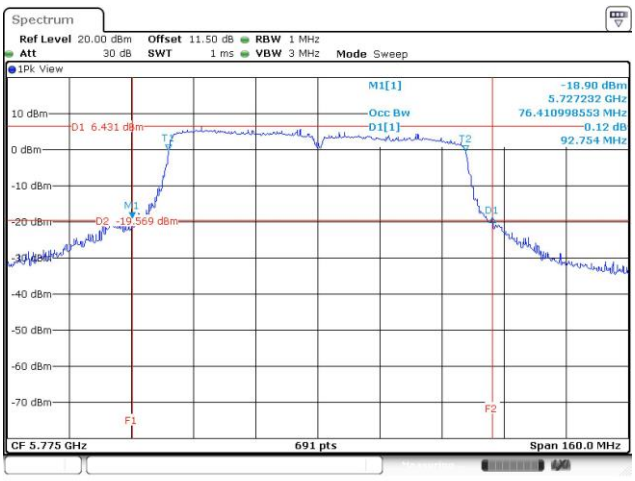
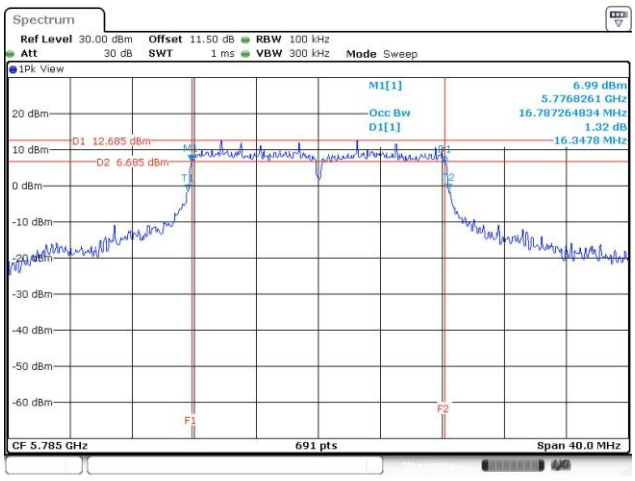
Worst Plots of 99% Bandwidth	Worst Plots of 6dB Bandwidth
	

3.2.7 Test Result of Emission Bandwidth (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

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	2	5180	23.36	22.26	---	---	17.02	16.85	---	---
11a	2	5200	23.54	27.88	---	---	17.13	17.08	---	---
11a	2	5240	26.32	27.07	---	---	17.31	17.19	---	---
VHT20	2	5180	24.12	24.12	---	---	18.35	18.06	---	---
VHT20	2	5200	27.03	40.94	---	---	19.25	19.39	---	---
VHT20	2	5240	23.42	23.42	---	---	18.06	17.89	---	---
VHT40	2	5190	47.65	48.35	---	---	37.40	37.40	---	---
VHT40	2	5230	48.12	50.32	---	---	37.74	37.51	---	---
VHT80	2	5210	94.15	92.06	---	---	76.41	76.41	---	---

Worst Plots of 26dB Bandwidth	Worst Plots 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	2	5745	17.25	16.85	---	---	16.35	16.46	---	---	0.5
11a	2	5785	21.35	26.19	---	---	16.35	16.35	---	---	0.5
11a	2	5825	17.19	16.90	---	---	16.35	16.35	---	---	0.5
VHT20	2	5745	18.23	18.06	---	---	17.57	17.62	---	---	0.5
VHT20	2	5785	22.50	27.86	---	---	17.62	17.62	---	---	0.5
VHT20	2	5825	18.23	18.12	---	---	17.57	17.62	---	---	0.5
VHT40	2	5755	37.40	37.51	---	---	36.41	36.41	---	---	0.5
VHT40	2	5795	37.86	37.86	---	---	36.29	36.41	---	---	0.5
VHT80	2	5775	91.59	92.75	---	---	75.83	75.83	---	---	0.5

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

3.3 RF Output Power

3.3.1 Limit of RF Output Power

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

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

3.3.2 Test Procedures

☒ **Method PM-G (Measurement using a gated RF average power meter)**

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

3.3.3 Test Setup

3.3.4 Test Result of Maximum Conducted Output Power (Configuration 1: Internal PIFA antenna)

For Frequency band 5150-5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5180	19.14	18.94	---	---	160.378	22.05	30.00
11a	2	5200	23.94	23.55	---	---	474.207	26.76	30.00
11a	2	5240	24.32	23.93	---	---	517.568	27.14	30.00
HT20	2	5180	19.04	18.56	---	---	151.947	21.82	30.00
HT20	2	5200	23.89	23.54	---	---	470.850	26.73	30.00
HT20	2	5240	24.68	24.31	---	---	563.539	27.51	30.00
HT40	2	5190	13.42	13.14	---	---	42.585	16.29	30.00
HT40	2	5230	20.85	20.46	---	---	232.792	23.67	30.00
VHT20	2	5180	19.11	18.64	---	---	154.584	21.89	30.00
VHT20	2	5200	24.02	23.61	---	---	481.963	26.83	30.00
VHT20	2	5240	24.71	24.42	---	---	572.495	**27.58**	30.00
VHT40	2	5190	13.55	13.26	---	---	43.830	16.42	30.00
VHT40	2	5230	20.96	20.59	---	---	239.290	23.79	30.00
VHT80	2	5210	11.36	11.22	---	---	26.921	14.30	30.00

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5745	18.31	17.58	---	---	125.044	20.97	30.00
11a	2	5785	23.39	22.14	---	---	381.955	25.82	30.00
11a	2	5825	18.51	17.42	---	---	126.166	21.01	30.00
HT20	2	5745	17.89	16.95	---	---	111.063	20.46	30.00
HT20	2	5785	23.21	22.35	---	---	381.202	25.81	30.00
HT20	2	5825	18.06	16.95	---	---	113.519	20.55	30.00
HT40	2	5755	14.69	13.64	---	---	52.565	17.21	30.00
HT40	2	5795	20.34	19.51	---	---	197.474	22.96	30.00
VHT20	2	5745	17.98	17.04	---	---	113.388	20.55	30.00
VHT20	2	5785	23.35	22.46	---	---	392.469	**25.94**	30.00
VHT20	2	5825	18.14	17.01	---	---	115.397	20.62	30.00
VHT40	2	5755	14.81	13.76	---	---	54.038	17.33	30.00
VHT40	2	5795	20.42	19.63	---	---	201.987	23.05	30.00
VHT80	2	5775	13.21	12.28	---	---	37.846	15.78	30.00

3.3.5 Test Result of Maximum Conducted Output Power (Configuration 2: External Dipole antenna)

For Frequency band 5150-5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5180	19.68	20.35	---	---	201.289	23.04	30.00
11a	2	5200	24.82	25.44	---	---	653.334	**28.15**	30.00
11a	2	5240	24.48	25.01	---	---	597.500	27.76	30.00
HT20	2	5180	19.42	20.31	---	---	194.897	22.90	30.00
HT20	2	5200	24.35	24.96	---	---	585.599	27.68	30.00
HT20	2	5240	22.26	23.15	---	---	374.805	25.74	30.00
HT40	2	5190	13.75	14.52	---	---	52.028	17.16	30.00
HT40	2	5230	21.86	22.31	---	---	323.678	25.10	30.00
VHT20	2	5180	19.51	20.43	---	---	199.738	23.00	30.00
VHT20	2	5200	24.47	25.04	---	---	599.052	27.77	30.00
VHT20	2	5240	22.38	23.26	---	---	384.818	25.85	30.00
VHT40	2	5190	13.86	14.63	---	---	53.362	17.27	30.00
VHT40	2	5230	21.98	22.43	---	---	332.746	25.22	30.00
VHT80	2	5210	12.56	13.35	---	---	39.657	15.98	30.00

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5745	18.04	18.86	---	---	140.593	21.48	30.00
11a	2	5785	22.56	22.91	---	---	375.736	25.75	30.00
11a	2	5825	18.82	19.75	---	---	170.614	22.32	30.00
HT20	2	5745	17.65	18.31	---	---	125.974	21.00	30.00
HT20	2	5785	22.45	22.86	---	---	368.989	25.67	30.00
HT20	2	5825	18.24	19.17	---	---	149.284	21.74	30.00
HT40	2	5755	14.92	15.45	---	---	66.121	18.20	30.00
HT40	2	5795	20.36	20.64	---	---	224.520	23.51	30.00
VHT20	2	5745	17.72	18.39	---	---	128.180	21.08	30.00
VHT20	2	5785	22.54	22.95	---	---	376.716	**25.76**	30.00
VHT20	2	5825	18.36	19.28	---	---	153.272	21.85	30.00
VHT40	2	5755	15.01	15.56	---	---	67.671	18.30	30.00
VHT40	2	5795	20.45	20.76	---	---	230.042	23.62	30.00
VHT80	2	5775	12.84	13.54	---	---	41.825	16.21	30.00

3.3.6 Test Result of Maximum Conducted Output Power (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

For Frequency band 5150-5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5180	17.78	17.59	---	---	117.391	20.70	29.00
11a	2	5200	22.86	22.83	---	---	385.064	25.86	29.00
11a	2	5240	22.73	22.66	---	---	372.001	25.71	29.00
HT20	2	5180	17.63	17.75	---	---	117.509	20.70	29.00
HT20	2	5200	23.01	23.13	---	---	405.575	26.08	29.00
HT20	2	5240	22.25	23.21	---	---	377.292	25.77	29.00
HT40	2	5190	12.03	11.94	---	---	31.590	15.00	29.00
HT40	2	5230	20.83	20.64	---	---	236.938	23.75	29.00
VHT20	2	5180	17.67	17.79	---	---	118.596	20.74	29.00
VHT20	2	5200	23.08	23.16	---	---	410.250	**26.13**	29.00
VHT20	2	5240	22.38	23.26	---	---	384.818	25.85	29.00
VHT40	2	5190	12.16	11.97	---	---	32.184	15.08	29.00
VHT40	2	5230	20.89	20.72	---	---	240.776	23.82	29.00
VHT80	2	5210	9.84	10.13	---	---	19.942	13.00	29.00

Note: The maximum antenna gain 7dBi is higher than 6dBi, so the limit shall be reduced by 1dB.

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5745	17.11	17.66	---	---	109.749	20.40	29.00
11a	2	5785	22.56	22.91	---	---	375.736	25.75	29.00
11a	2	5825	18.82	19.75	---	---	170.614	22.32	29.00
HT20	2	5745	17.18	17.56	---	---	109.256	20.38	29.00
HT20	2	5785	22.43	22.89	---	---	369.521	25.68	29.00
HT20	2	5825	18.28	19.25	---	---	151.437	21.80	29.00
HT40	2	5755	14.12	13.98	---	---	50.826	17.06	29.00
HT40	2	5795	19.31	19.63	---	---	177.143	22.48	29.00
VHT20	2	5745	17.27	17.78	---	---	113.313	20.54	29.00
VHT20	2	5785	22.54	22.95	---	---	376.716	**25.76**	29.00
VHT20	2	5825	18.36	19.28	---	---	153.272	21.85	29.00
VHT40	2	5755	14.19	14.02	---	---	51.477	17.12	29.00
VHT40	2	5795	19.39	19.68	---	---	179.793	22.55	29.00
VHT80	2	5775	10.81	10.92	---	---	24.410	13.88	29.00

Note: The maximum antenna gain 7dBi is higher than 6dBi, so the limit shall be reduced by 1dB.

3.3.7 Test Result of Maximum Conducted Output Power (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

For Frequency band 5150-5250 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5180	19.18	19.88	---	---	180.069	22.55	30.00
11a	2	5200	24.09	24.23	---	---	521.298	27.17	30.00
11a	2	5240	23.55	23.68	---	---	459.810	26.63	30.00
HT20	2	5180	19.18	19.58	---	---	173.576	22.39	30.00
HT20	2	5200	24.31	24.59	---	---	557.514	27.46	30.00
HT20	2	5240	22.45	22.86	---	---	368.989	25.67	30.00
HT40	2	5190	13.57	14.26	---	---	49.420	16.94	30.00
HT40	2	5230	21.36	21.84	---	---	289.529	24.62	30.00
VHT20	2	5180	19.35	19.67	---	---	178.782	22.52	30.00
VHT20	2	5200	24.33	24.63	---	---	561.421	**27.49**	30.00
VHT20	2	5240	22.38	23.26	---	---	384.818	25.85	30.00
VHT40	2	5190	13.61	14.31	---	---	49.939	16.98	30.00
VHT40	2	5230	21.48	21.93	---	---	296.560	24.72	30.00
VHT80	2	5210	11.78	12.01	---	---	30.952	14.91	30.00

For Frequency band 5725-5850 MHz									
Mode	N_{TX}	Freq. (MHz)	Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11a	2	5745	18.79	19.36	---	---	161.981	22.09	30.00
11a	2	5785	24.38	24.65	---	---	565.900	**27.53**	30.00
11a	2	5825	19.32	20.15	---	---	189.021	22.77	30.00
HT20	2	5745	18.72	19.16	---	---	156.887	21.96	30.00
HT20	2	5785	24.27	24.53	---	---	551.093	27.41	30.00
HT20	2	5825	19.16	19.57	---	---	172.987	22.38	30.00
HT40	2	5755	15.92	16.48	---	---	83.547	19.22	30.00
HT40	2	5795	21.17	21.42	---	---	269.594	24.31	30.00
VHT20	2	5745	18.78	19.24	---	---	159.455	22.03	30.00
VHT20	2	5785	24.36	24.62	---	---	562.632	27.50	30.00
VHT20	2	5825	19.22	19.64	---	---	175.605	22.45	30.00
VHT40	2	5755	15.95	16.54	---	---	84.437	19.27	30.00
VHT40	2	5795	21.22	21.48	---	---	273.039	24.36	30.00
VHT80	2	5775	13.78	14.48	---	---	51.932	17.15	30.00

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

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

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

3.4.2 Test Procedures

For 5150 ~ 5250 MHz

☒ Method SA-1 (For 11a / 11ac VHT20 mode)

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 11ac VHT40 / 80 mode)

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

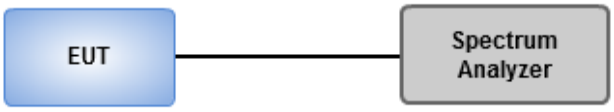
☒ Method SA-1 (For 11a / 11ac VHT20 mode)

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 11ac VHT40 / 80 mode)

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

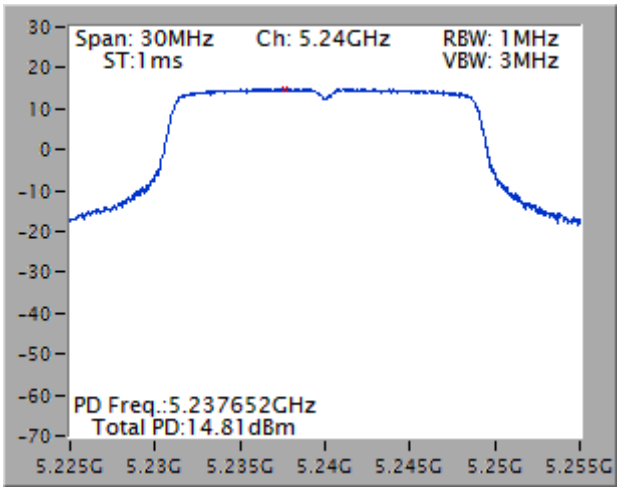


3.4.4 Test Result of Peak Power Spectral Density (Configuration 1: Internal PIFA antenna)

For Frequency band 5150-5250 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5180	9.75	0.00	9.75	15.22
11a	2	5200	14.17	0.00	14.17	15.22
11a	2	5240	14.74	0.00	14.74	15.22
VHT20	2	5180	8.92	0.00	8.92	15.22
VHT20	2	5200	14.00	0.00	14.00	15.22
VHT20	2	5240	14.81	0.00	14.81	15.22
VHT40	2	5190	-0.59	0.23	-0.36	15.22
VHT40	2	5230	7.38	0.23	7.61	15.22
VHT80	2	5210	-6.11	0.53	-5.58	15.22

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 10 * log((10$^{5.40/20}$+10$^{4.08/20}$)^2/2) = 7.78 dBi > 6 dBi
   Limit shall be reduced to 17 dBm – (7.78 dBi – 6 dBi) = 15.22 dBm.

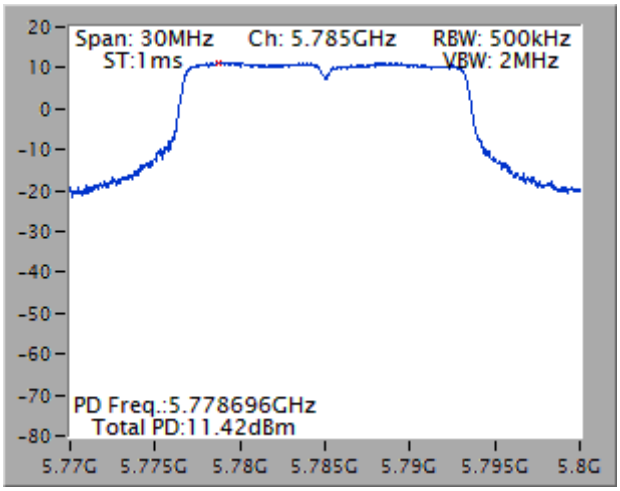
Worst Plots



For Frequency band 5725-5850 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5745	6.48	0.00	6.48	27.53
11a	2	5785	11.42	0.00	11.42	27.53
11a	2	5825	6.32	0.00	6.32	27.53
VHT20	2	5745	5.80	0.00	5.80	27.53
VHT20	2	5785	10.98	0.00	10.98	27.53
VHT20	2	5825	5.78	0.00	5.78	27.53
VHT40	2	5755	-0.58	0.23	-0.81	27.53
VHT40	2	5795	5.31	0.23	5.08	27.53
VHT80	2	5775	-4.77	0.53	-5.30	27.53

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 10 * log((10$^{5.23/20}$+10$^{5.68/20}$)^2/2) = 8.47 dBi > 6 dBi
   Limit shall be reduced to 30 dBm – (8.47 dBi – 6 dBi) = 27.53 dBm.

Worst Plots

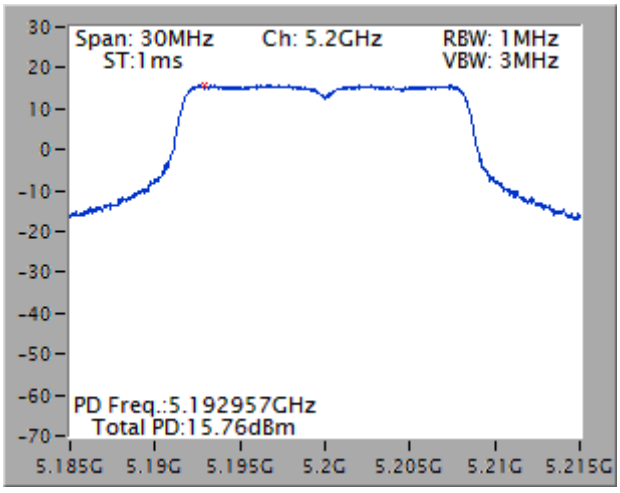


3.4.5 Test Result of Peak Power Spectral Density (Configuration 2: External Dipole antenna)

For Frequency band 5150-5250 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5180	10.55	0.00	10.55	16.81
11a	2	5200	15.76	0.00	15.76	16.81
11a	2	5240	15.33	0.00	15.33	16.81
VHT20	2	5180	10.28	0.00	10.28	16.81
VHT20	2	5200	15.09	0.00	15.09	16.81
VHT20	2	5240	12.94	0.00	12.94	16.81
VHT40	2	5190	1.28	0.23	1.51	16.81
VHT40	2	5230	9.15	0.23	9.38	16.81
VHT80	2	5210	-3.94	0.53	-3.41	16.81

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 3.18+10* log(2/1) = 6.19 dBi > 6 dBi.
   Limit shall be reduced to 17 dBm – (6.19 dBi – 6 dBi) = 16.81 dBm.

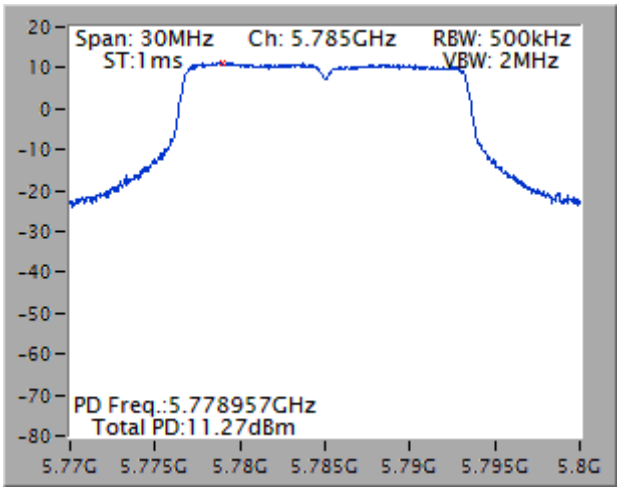
Worst Plots



For Frequency band 5725-5850 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5745	6.69	0.00	6.69	30.00
11a	2	5785	11.27	0.00	11.27	30.00
11a	2	5825	7.68	0.00	7.68	30.00
VHT20	2	5745	5.93	0.00	5.93	30.00
VHT20	2	5785	10.85	0.00	10.85	30.00
VHT20	2	5825	7.15	0.00	7.15	30.00
VHT40	2	5755	0.35	0.23	0.12	30.00
VHT40	2	5795	5.28	0.23	5.05	30.00
VHT80	2	5775	-4.49	0.53	-5.02	30.00

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.

Worst Plots

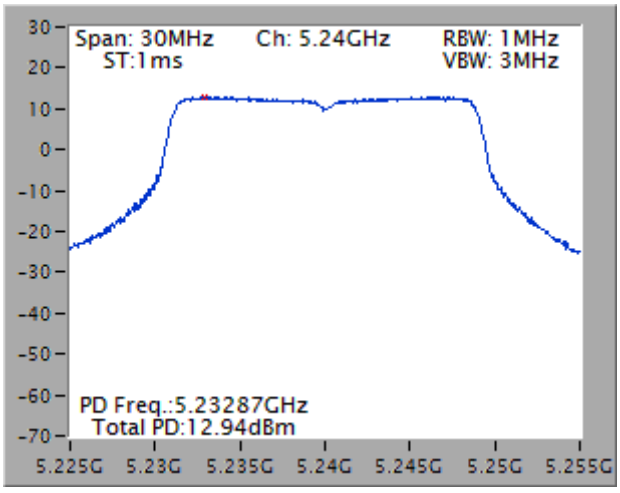


3.4.6 Test Result of Peak Power Spectral Density (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

For Frequency band 5150-5250 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5180	8.67	0.00	8.67	12.99
11a	2	5200	12.91	0.00	12.91	12.99
11a	2	5240	12.64	0.00	12.64	12.99
VHT20	2	5180	8.09	0.00	8.09	12.99
VHT20	2	5200	12.55	0.00	12.55	12.99
VHT20	2	5240	12.94	0.00	12.94	12.99
VHT40	2	5190	-1.16	0.23	-0.93	12.99
VHT40	2	5230	7.63	0.23	7.86	12.99
VHT80	2	5210	-6.85	0.53	-6.32	12.99

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 7+10* log(2/1) = 10.01 dBi > 6 dBi.
   Limit shall be reduced to 17 dBm – (10.01 dBi – 6 dBi) = 12.99 dBm.

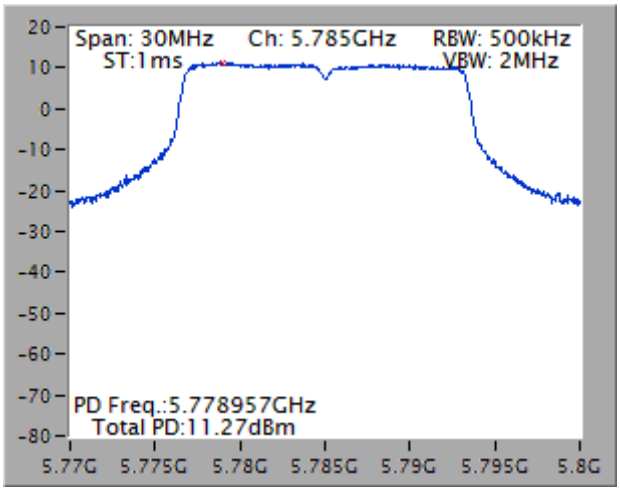
Worst Plots



For Frequency band 5725-5850 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5745	6.13	0.00	6.13	25.99
11a	2	5785	11.27	0.00	11.27	25.99
11a	2	5825	7.68	0.00	7.68	25.99
VHT20	2	5745	5.80	0.00	5.80	25.99
VHT20	2	5785	10.85	0.00	10.85	25.99
VHT20	2	5825	7.15	0.00	7.15	25.99
VHT40	2	5755	-0.55	0.23	-0.78	25.99
VHT40	2	5795	4.84	0.23	4.61	25.99
VHT80	2	5775	-5.95	0.53	-6.48	25.99

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 7+10* log(2/1) = 10.01 dBi > 6 dBi.
   Limit shall be reduced to 30 dBm – (10.01 dBi – 6 dBi) = 25.99 dBm.

Worst Plots

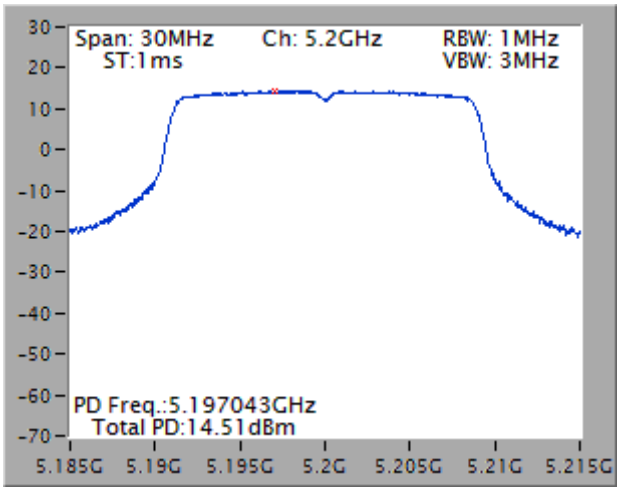


3.4.7 Test Result of Peak Power Spectral Density (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

For Frequency band 5150-5250 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5180	10.07	0.00	10.07	14.99
11a	2	5200	14.46	0.00	14.46	14.99
11a	2	5240	14.23	0.00	14.23	14.99
VHT20	2	5180	9.63	0.00	9.63	14.99
VHT20	2	5200	14.51	0.00	14.51	14.99
VHT20	2	5240	12.94	0.00	12.94	14.99
VHT40	2	5190	0.94	0.23	1.17	14.99
VHT40	2	5230	8.88	0.23	9.11	14.99
VHT80	2	5210	-4.95	0.53	-4.42	14.99

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 5+10* log(2/1) = 8.01 dBi > 6 dBi.
   Limit shall be reduced to 17 dBm – (8.01 dBi – 6 dBi) = 14.99 dBm.

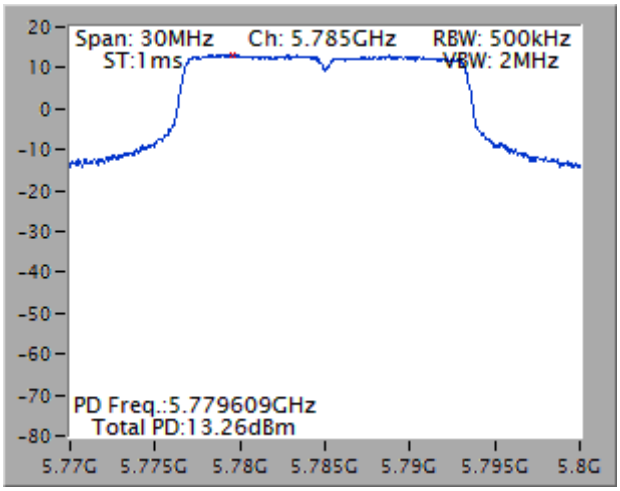
Worst Plots



For Frequency band 5725-5850 MHz						
Condition			Peak Power Spectral Density (dBm)			
Modulation Mode	N_{TX}	Freq. (MHz)	PPSD w/o D.F (dBm)	Duty Factor (dB)	PPSD with D.F (dBm)	PPSD Limit (dBm)
11a	2	5745	8.00	0.00	8.00	27.99
11a	2	5785	13.26	0.00	13.26	27.99
11a	2	5825	8.77	0.00	8.77	27.99
VHT20	2	5745	7.68	0.00	7.68	27.99
VHT20	2	5785	12.72	0.00	12.72	27.99
VHT20	2	5825	8.09	0.00	8.09	27.99
VHT40	2	5755	1.82	0.23	1.59	27.99
VHT40	2	5795	6.64	0.23	6.41	27.99
VHT80	2	5775	-2.96	0.53	-3.49	27.99

Note:
1. D.F is duty factor.
2. Test results are bin-by-bin summing measured value of each TX port.
3. Directional gain = 5+10* log(2/1) = 8.01 dBi > 6 dBi.
   Limit shall be reduced to 30 dBm – (8.01 dBi – 6 dBi) = 25.99 dBm.

Worst Plots



3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.825 GHz	5.715 5.725 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] 5.85 5.86 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.5.2 Test Procedures

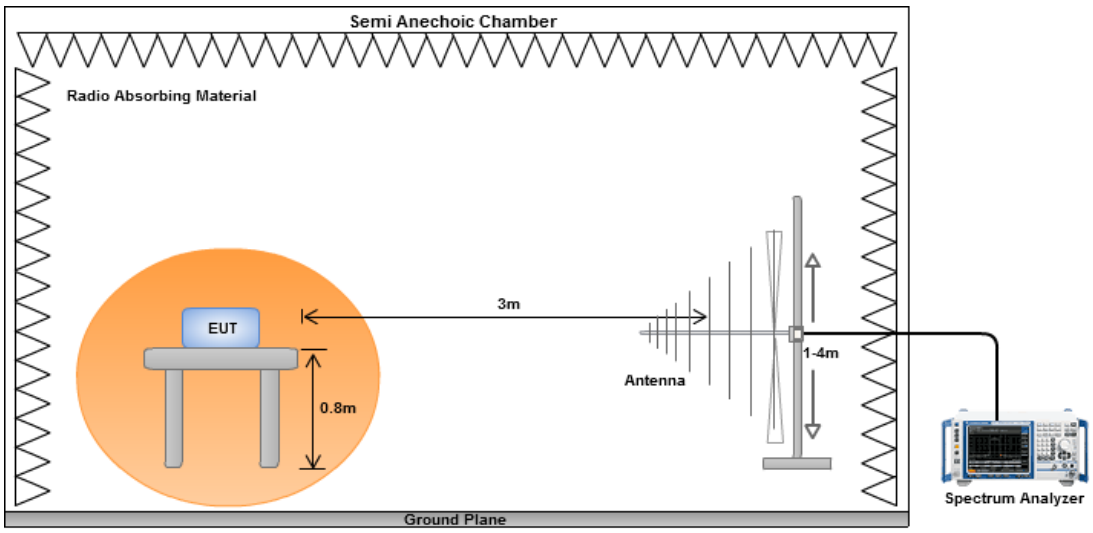
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Note:

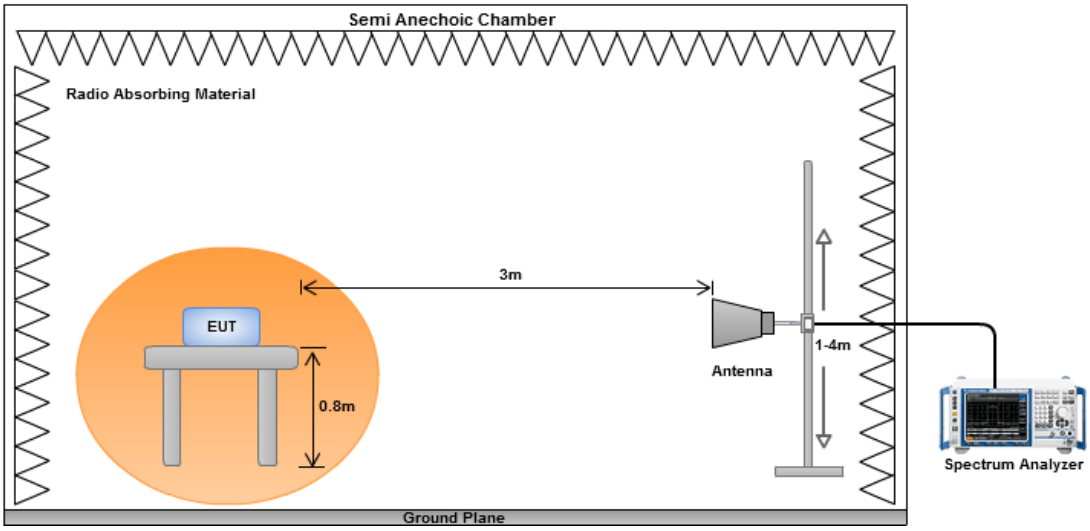
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz

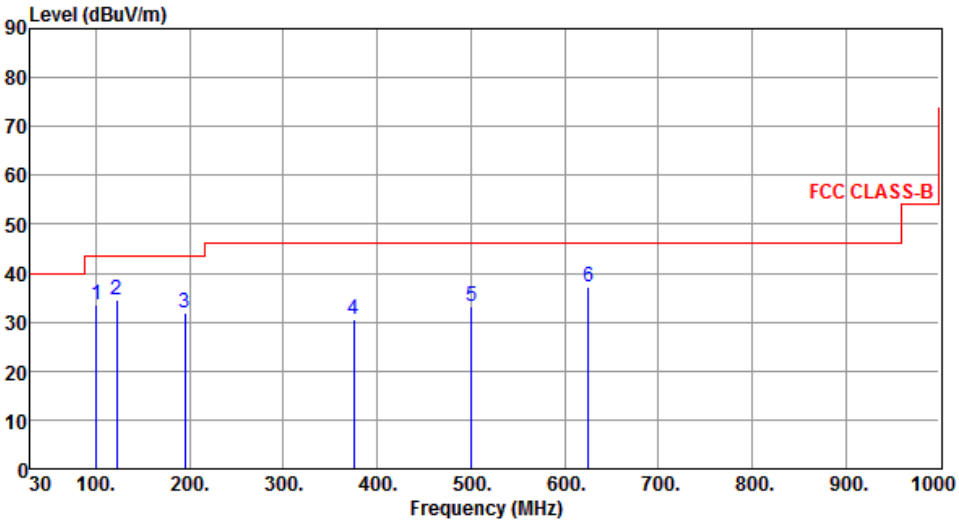


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 1: Internal PIFA antenna)

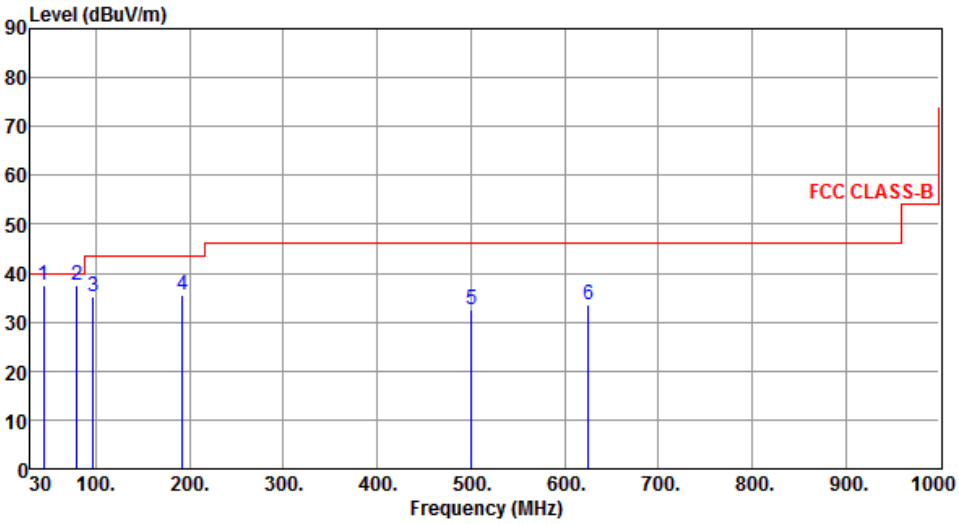
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	100.81	33.41	43.50	-10.09	55.11	-21.70	Peak	---	---
2	122.15	34.62	43.50	-8.88	53.57	-18.95	Peak	---	---
3	194.90	31.74	43.50	-11.76	51.36	-19.62	Peak	---	---
4	375.32	30.48	46.00	-15.52	44.82	-14.34	Peak	---	---
5	500.45	33.32	46.00	-12.68	44.86	-11.54	Peak	---	---
6	625.58	37.12	46.00	-8.88	46.30	-9.18	Peak	---	---

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

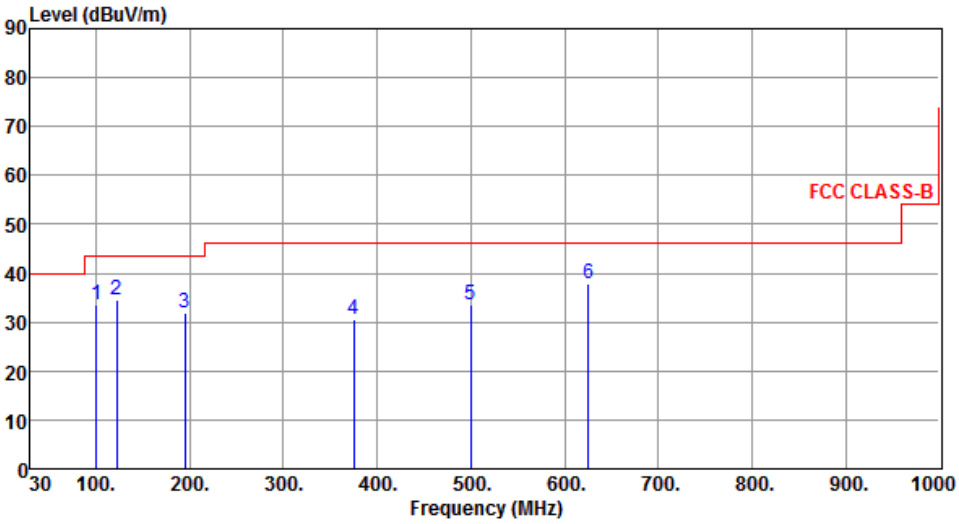
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.55	37.49	40.00	-2.51	54.31	-16.82	Peak	---	---
2	79.47	37.55	40.00	-2.45	59.07	-21.52	Peak	---	---
3	96.93	35.17	43.50	-8.33	57.38	-22.21	Peak	---	---
4	191.99	35.48	43.50	-8.02	55.09	-19.61	Peak	---	---
5	500.45	32.67	46.00	-13.33	44.21	-11.54	Peak	---	---
6	625.58	33.57	46.00	-12.43	42.75	-9.18	Peak	---	---

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

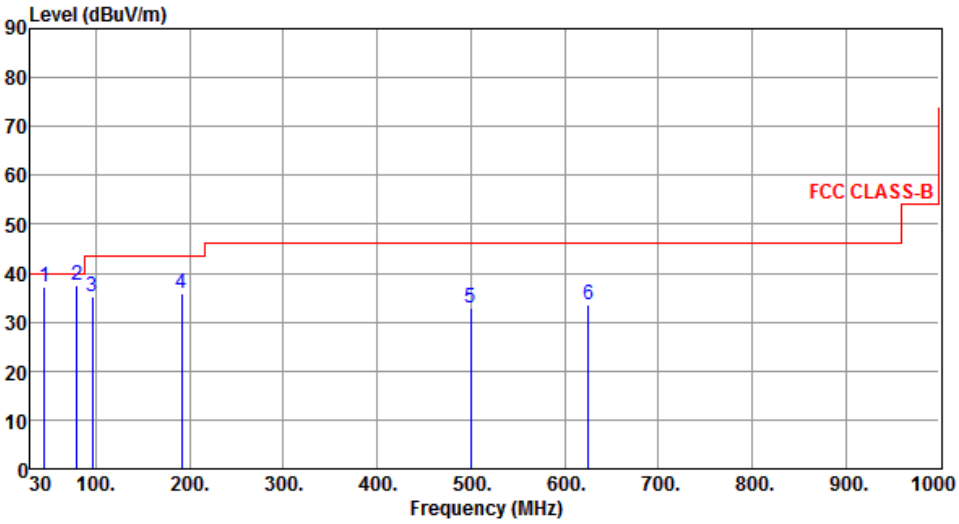
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	100.46	33.59	43.50	-9.91	55.35	-21.76	Peak	---	---
2	122.32	34.57	43.50	-8.93	53.50	-18.93	Peak	---	---
3	194.58	31.86	43.50	-11.64	51.49	-19.63	Peak	---	---
4	375.19	30.67	46.00	-15.33	45.02	-14.35	Peak	---	---
5	500.13	33.62	46.00	-12.38	45.17	-11.55	Peak	---	---
6	625.49	37.76	46.00	-8.24	46.94	-9.18	Peak	---	---

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1

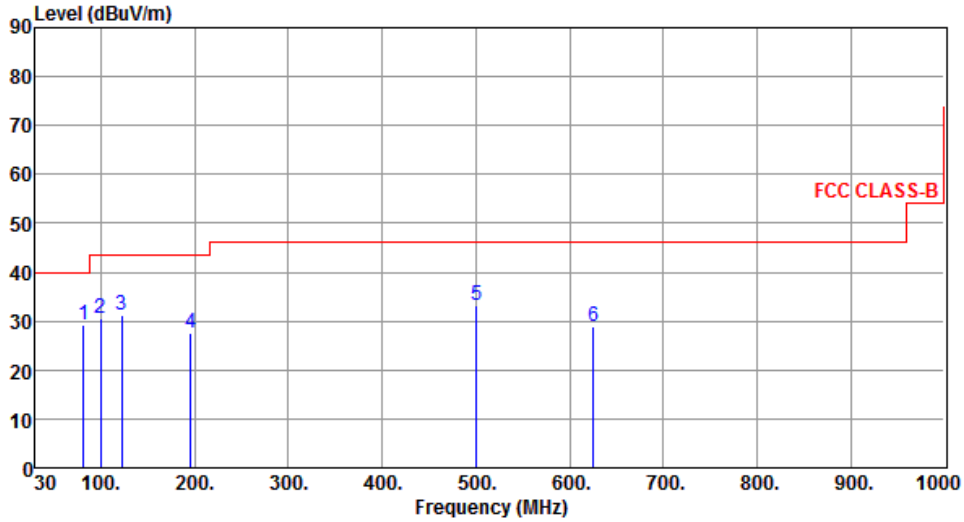


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.63	37.13	40.00	-2.87	53.94	-16.81	Peak	---	---
2	79.51	37.68	40.00	-2.32	59.21	-21.53	Peak	---	---
3	96.36	35.28	43.50	-8.22	57.56	-22.28	Peak	---	---
4	191.43	35.72	43.50	-7.78	55.32	-19.60	Peak	---	---
5	500.19	32.87	46.00	-13.13	44.42	-11.55	Peak	---	---
6	625.47	33.68	46.00	-12.32	42.86	-9.18	Peak	---	---

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

3.5.5 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 2: External Dipole antenna)

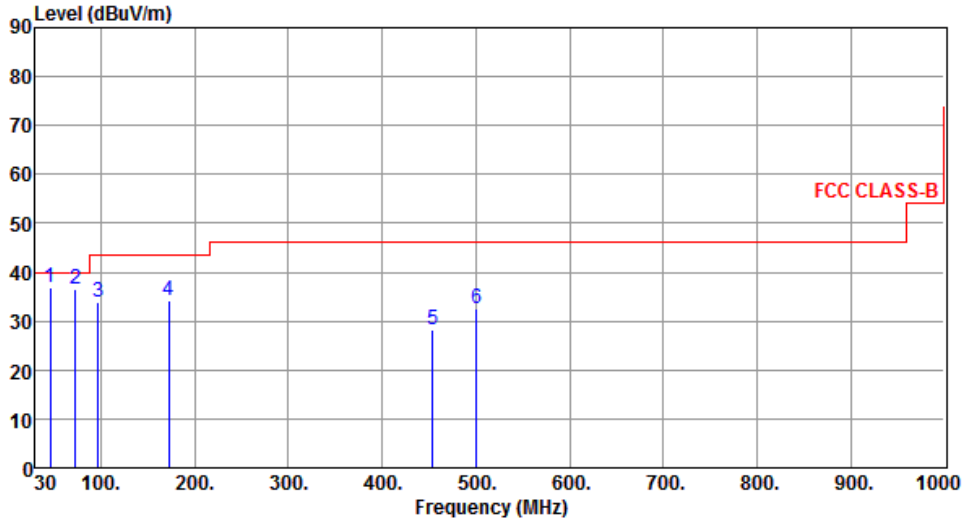
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	81.41	29.17	40.00	-10.83	51.00	-21.83	Peak	---	---
2	99.84	30.61	43.50	-12.89	52.46	-21.85	Peak	---	---
3	122.15	31.36	43.50	-12.14	50.31	-18.95	Peak	---	---
4	195.87	27.61	43.50	-15.89	47.24	-19.63	Peak	---	---
5	500.45	33.28	46.00	-12.72	44.82	-11.54	Peak	---	---
6	625.58	28.99	46.00	-17.01	38.17	-9.18	Peak	---	---

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

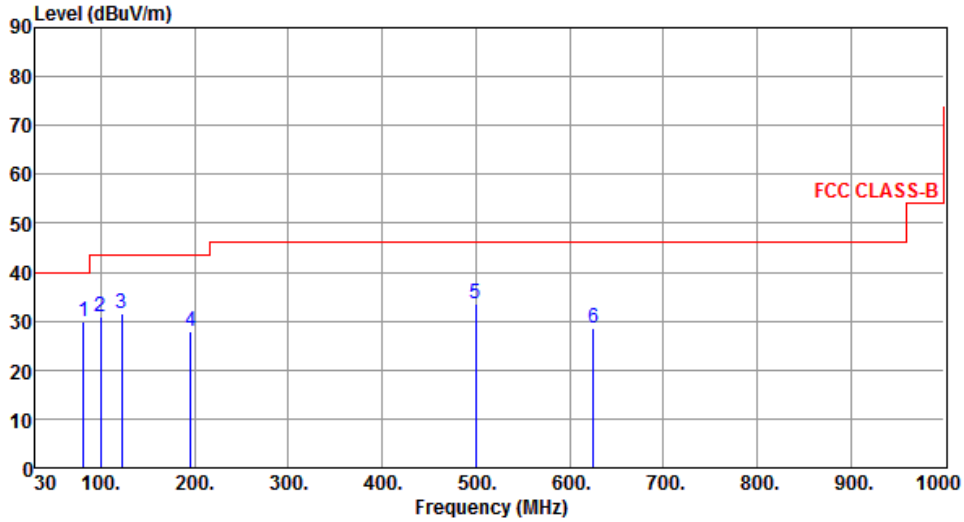
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	45.52	36.75	40.00	-3.25	53.51	-16.76	Peak	---	---
2	72.68	36.57	40.00	-3.43	56.59	-20.02	Peak	---	---
3	96.93	33.85	43.50	-9.65	56.06	-22.21	Peak	---	---
4	172.59	34.29	43.50	-9.21	52.01	-17.72	Peak	---	---
5	453.89	28.26	46.00	-17.74	40.71	-12.45	Peak	---	---
6	500.45	32.54	46.00	-13.46	44.08	-11.54	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.

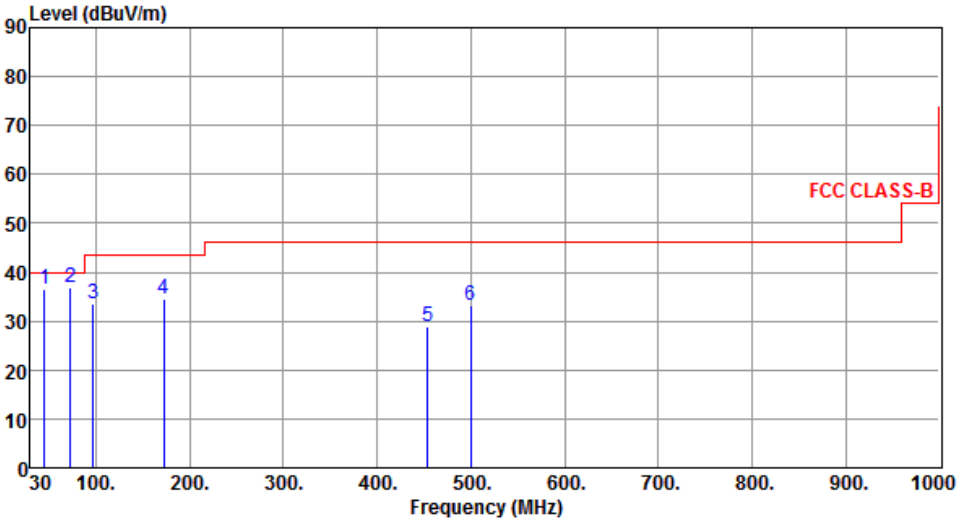
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	81.75	29.94	40.00	-10.06	51.81	-21.87	Peak	---	---
2	99.23	30.87	43.50	-12.63	52.79	-21.92	Peak	---	---
3	122.46	31.68	43.50	-11.82	50.60	-18.92	Peak	---	---
4	195.72	27.83	43.50	-15.67	47.46	-19.63	Peak	---	---
5	500.16	33.59	46.00	-12.41	45.14	-11.55	Peak	---	---
6	625.46	28.41	46.00	-17.59	37.59	-9.18	Peak	---	---

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

Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	2

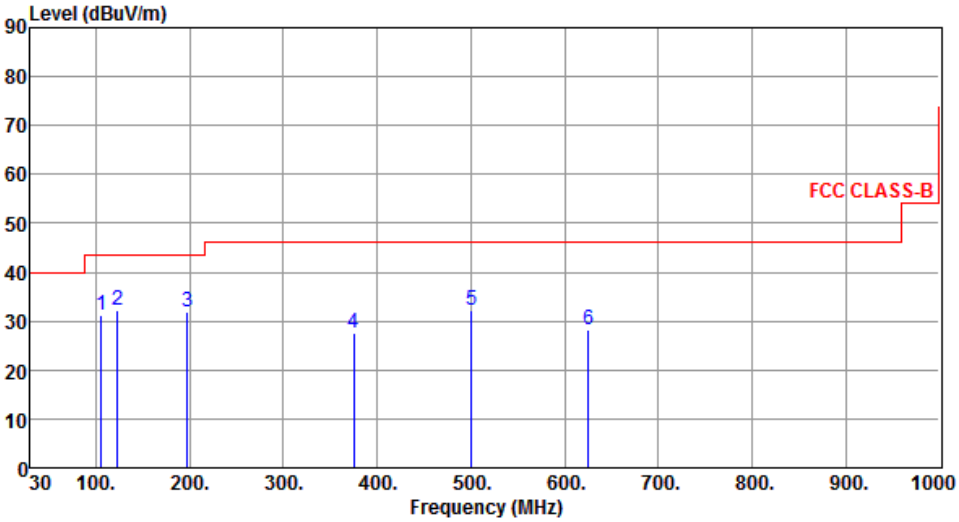


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	45.27	36.43	40.00	-3.57	53.21	-16.78	Peak	---	---
2	72.53	36.94	40.00	-3.06	56.92	-19.98	Peak	---	---
3	96.67	33.48	43.50	-10.02	55.72	-22.24	Peak	---	---
4	172.41	34.56	43.50	-8.94	52.27	-17.71	Peak	---	---
5	453.64	28.96	46.00	-17.04	41.41	-12.45	Peak	---	---
6	500.18	33.13	46.00	-12.87	44.68	-11.55	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.

3.5.6 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

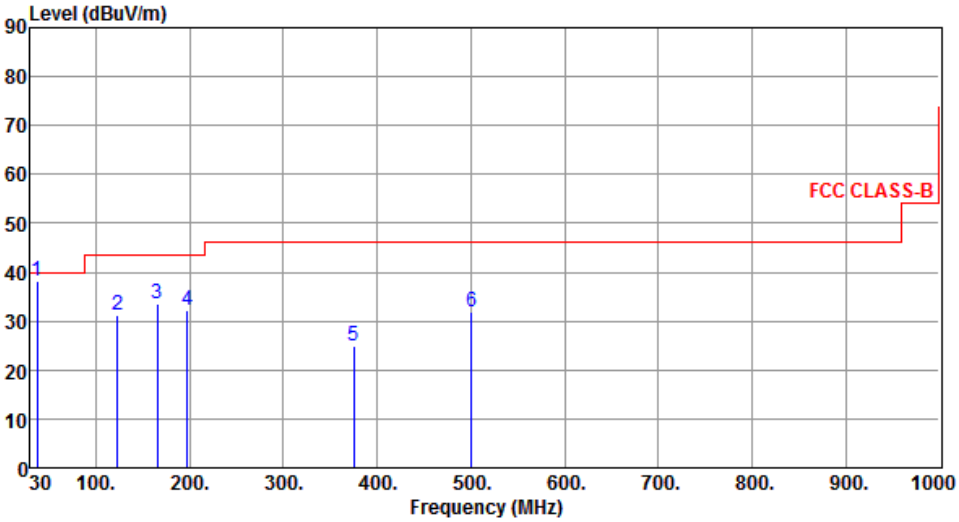
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.66	31.27	43.50	-12.23	52.02	-20.75	Peak	---	---
2	123.12	32.25	43.50	-11.25	51.07	-18.82	Peak	---	---
3	197.81	32.01	43.50	-11.49	51.18	-19.17	Peak	---	---
4	375.32	27.45	46.00	-18.55	41.68	-14.23	Peak	---	---
5	500.45	32.29	46.00	-13.71	43.70	-11.41	Peak	---	---
6	625.58	28.24	46.00	-17.76	37.44	-9.20	Peak	---	---

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

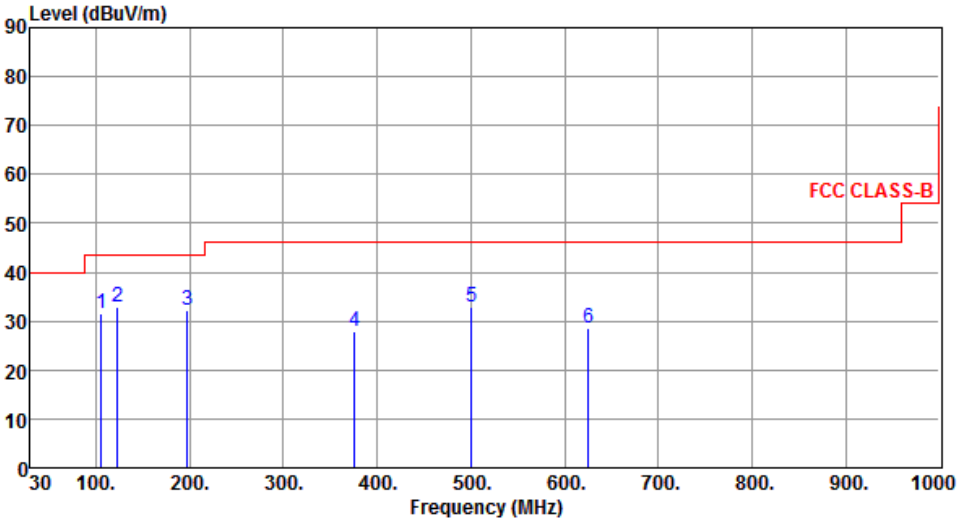
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.64	38.16	40.00	-1.84	55.23	-17.07	QP	---	---
2	123.12	31.22	43.50	-12.28	50.04	-18.82	Peak	---	---
3	165.80	33.63	43.50	-9.87	50.52	-16.89	Peak	---	---
4	197.81	32.19	43.50	-11.31	51.36	-19.17	Peak	---	---
5	375.32	24.96	46.00	-21.04	39.19	-14.23	Peak	---	---
6	500.45	31.93	46.00	-14.07	43.34	-11.41	Peak	---	---

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

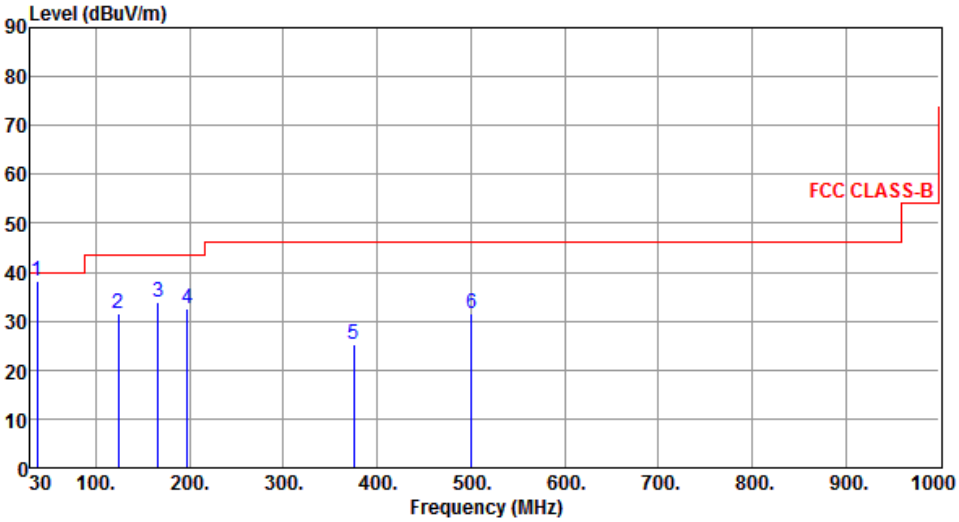
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	105.96	31.53	43.50	-11.97	52.23	-20.70	Peak	---	---
2	123.41	32.87	43.50	-10.63	51.66	-18.79	Peak	---	---
3	197.45	32.26	43.50	-11.24	51.42	-19.16	Peak	---	---
4	375.63	27.88	46.00	-18.12	42.10	-14.22	Peak	---	---
5	500.31	32.94	46.00	-13.06	44.35	-11.41	Peak	---	---
6	625.49	28.51	46.00	-17.49	37.71	-9.20	Peak	---	---

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

Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	3

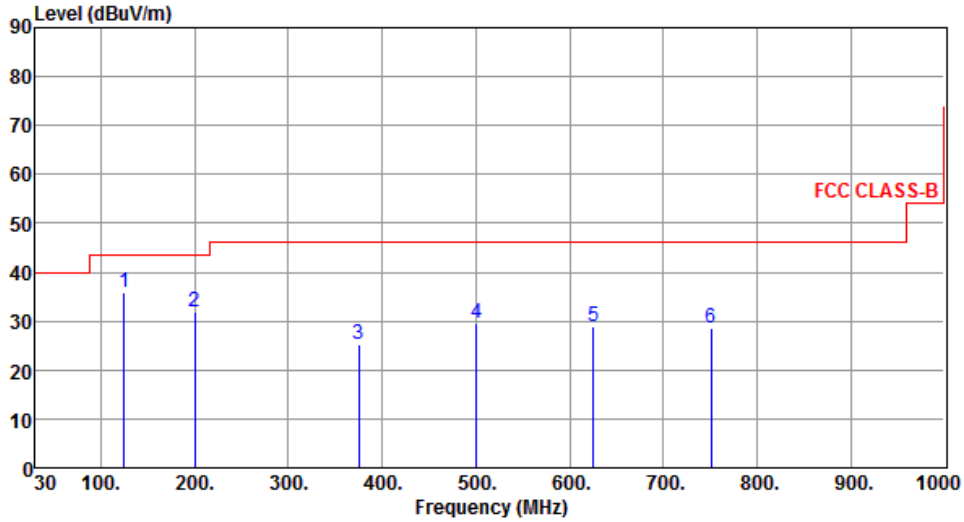


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.45	38.22	40.00	-1.78	55.31	-17.09	QP	---	---
2	123.48	31.57	43.50	-11.93	50.35	-18.78	Peak	---	---
3	165.96	33.74	43.50	-9.76	50.63	-16.89	Peak	---	---
4	197.68	32.51	43.50	-10.99	51.68	-19.17	Peak	---	---
5	375.36	25.12	46.00	-20.88	39.35	-14.23	Peak	---	---
6	500.87	31.45	46.00	-14.55	42.85	-11.40	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.

3.5.7 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

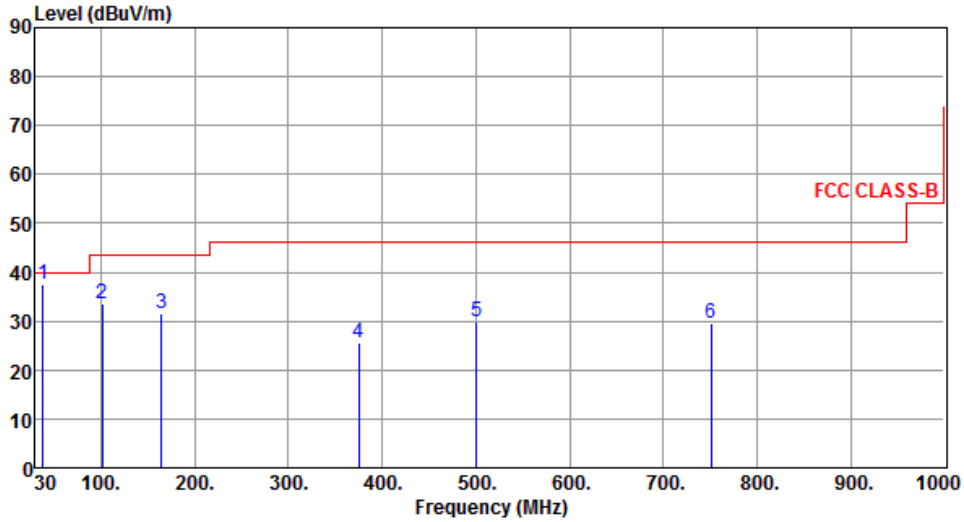
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	125.06	36.00	43.50	-7.50	54.62	-18.62	Peak	---	---
2	199.75	31.73	43.50	-11.77	50.91	-19.18	Peak	---	---
3	375.32	25.22	46.00	-20.78	39.45	-14.23	Peak	---	---
4	500.45	29.39	46.00	-16.61	40.80	-11.41	Peak	---	---
5	625.58	28.88	46.00	-17.12	38.08	-9.20	Peak	---	---
6	750.71	28.47	46.00	-17.53	35.53	-7.06	Peak	---	---

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

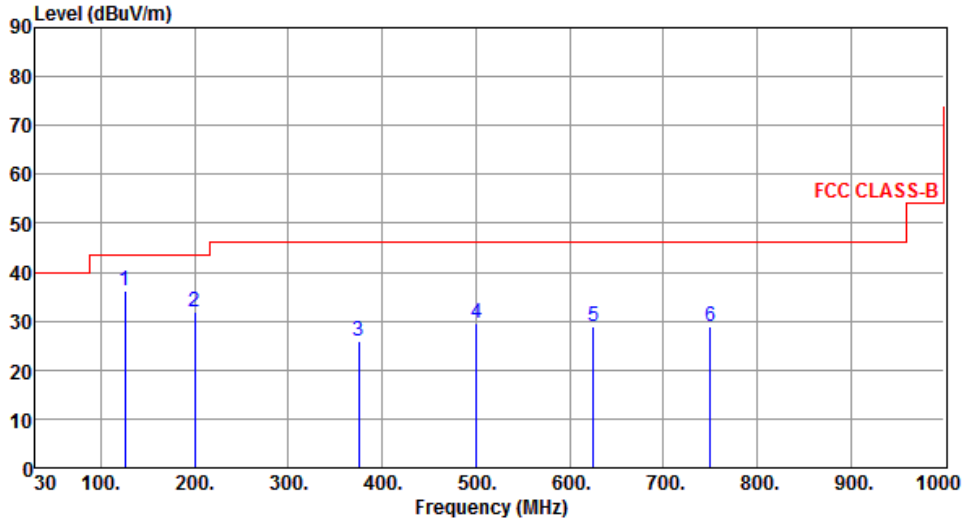
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.76	37.60	40.00	-2.40	54.65	-17.05	Peak	---	---
2	101.78	33.51	43.50	-9.99	54.94	-21.43	Peak	---	---
3	164.83	31.66	43.50	-11.84	48.54	-16.88	Peak	---	---
4	375.32	25.43	46.00	-20.57	39.66	-14.23	Peak	---	---
5	500.45	29.97	46.00	-16.03	41.38	-11.41	Peak	---	---
6	750.71	29.53	46.00	-16.47	36.59	-7.06	Peak	---	---

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

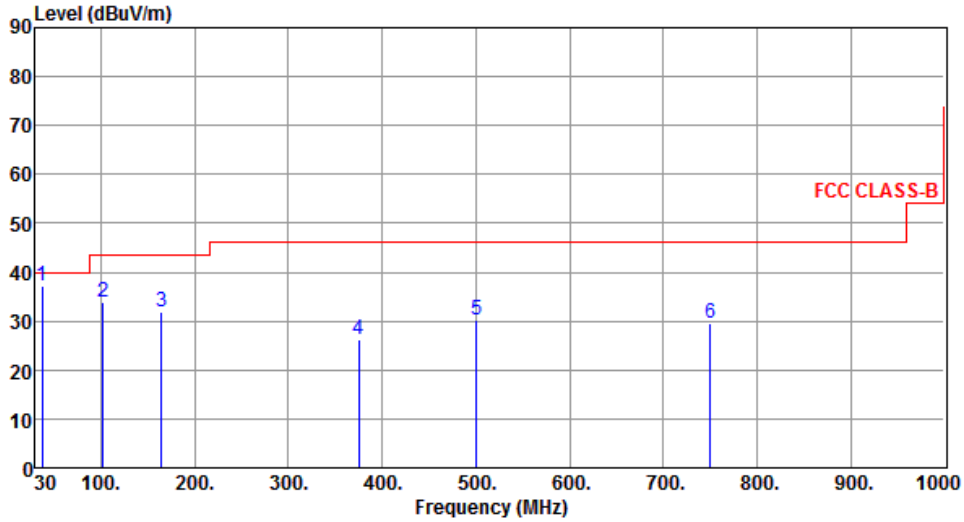
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	125.35	36.24	43.50	-7.26	54.84	-18.60	Peak	---	---
2	199.82	31.93	43.50	-11.57	51.11	-19.18	Peak	---	---
3	375.46	25.85	46.00	-20.15	40.08	-14.23	Peak	---	---
4	500.37	29.51	46.00	-16.49	40.92	-11.41	Peak	---	---
5	625.34	28.96	46.00	-17.04	38.17	-9.21	Peak	---	---
6	750.52	28.99	46.00	-17.01	36.05	-7.06	Peak	---	---

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

Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	4

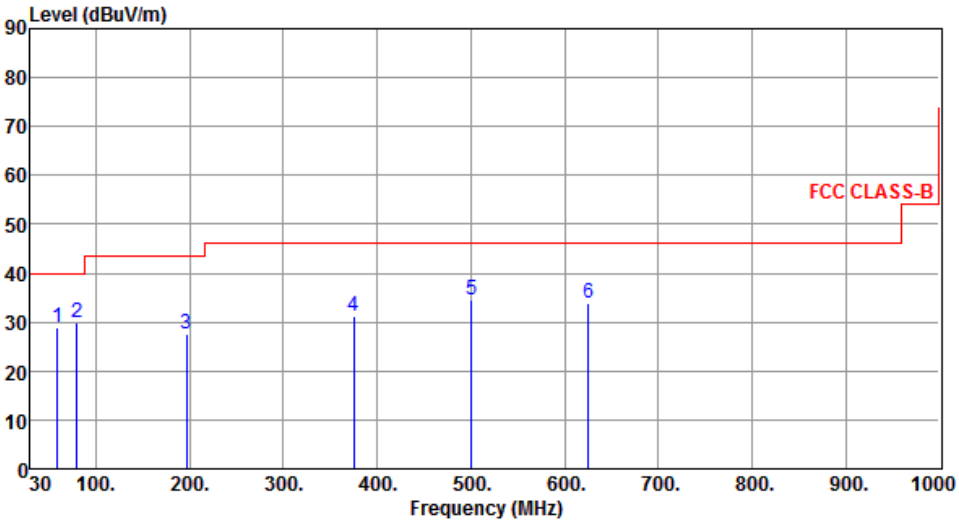


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.52	37.24	40.00	-2.76	54.32	-17.08	Peak	---	---
2	101.83	33.98	43.50	-9.52	55.40	-21.42	Peak	---	---
3	164.78	31.97	43.50	-11.53	48.85	-16.88	Peak	---	---
4	375.49	26.12	46.00	-19.88	40.35	-14.23	Peak	---	---
5	500.63	30.21	46.00	-15.79	41.62	-11.41	Peak	---	---
6	750.43	29.57	46.00	-16.43	36.63	-7.06	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.

3.5.8 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 5: Internal PIFA antenna)

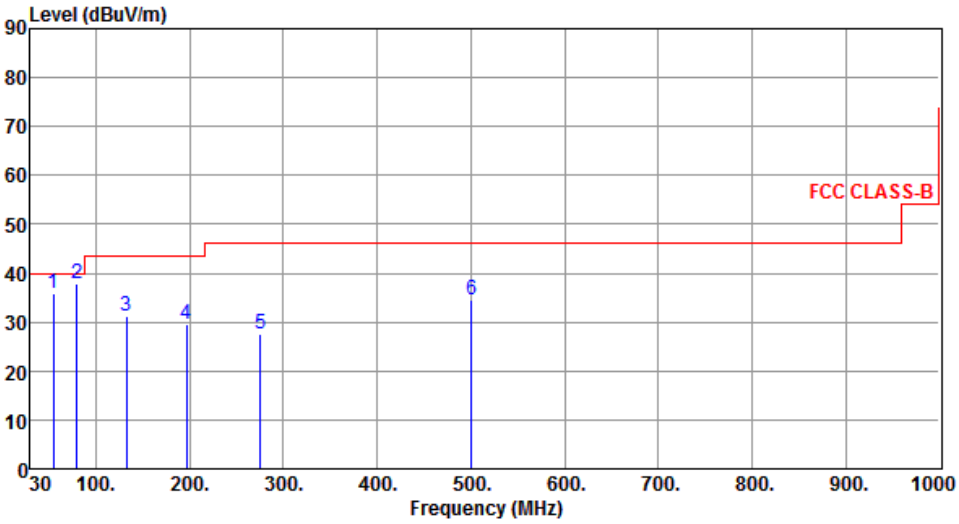
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Horizontal	**Test Configuration**	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	59.10	28.91	40.00	-11.09	46.01	-17.10	Peak	---	---
2	79.47	29.73	40.00	-10.27	51.25	-21.52	Peak	---	---
3	196.84	27.41	43.50	-16.09	47.05	-19.64	Peak	---	---
4	375.32	31.26	46.00	-14.74	45.60	-14.34	Peak	---	---
5	500.45	34.57	46.00	-11.43	46.11	-11.54	Peak	---	---
6	625.58	33.82	46.00	-12.18	43.00	-9.18	Peak	---	---

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

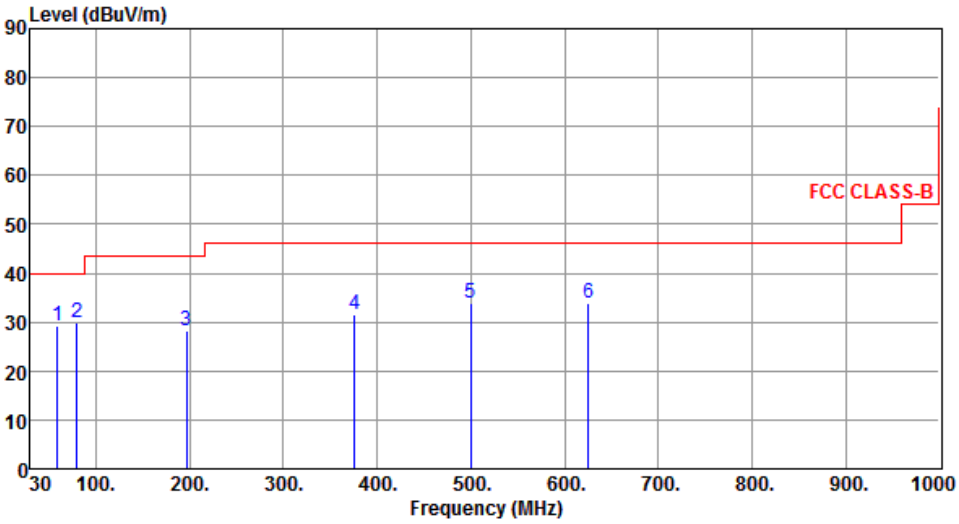
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	54.24	35.88	40.00	-4.12	52.68	-16.80	QP	---	---
2	79.47	38.02	40.00	-1.98	59.54	-21.52	Peak	---	---
3	132.82	31.14	43.50	-12.36	49.15	-18.01	Peak	---	---
4	196.84	29.59	43.50	-13.91	49.23	-19.64	Peak	---	---
5	275.41	27.70	46.00	-18.30	44.57	-16.87	Peak	---	---
6	500.45	34.67	46.00	-11.33	46.21	-11.54	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.

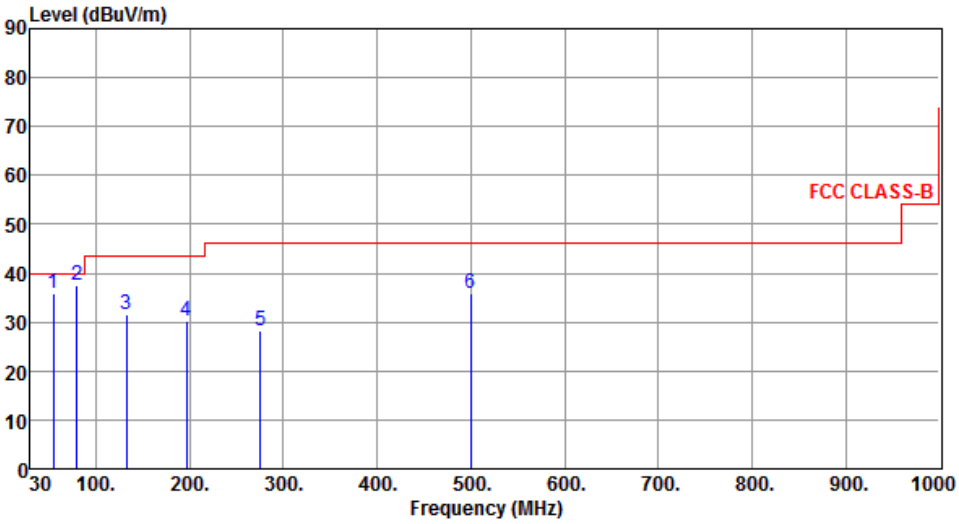
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	59.32	29.14	40.00	-10.86	46.24	-17.10	Peak	---	---
2	79.53	29.84	40.00	-10.16	51.37	-21.53	Peak	---	---
3	196.43	28.18	43.50	-15.32	47.81	-19.63	Peak	---	---
4	375.61	31.59	46.00	-14.41	45.92	-14.33	Peak	---	---
5	500.12	33.96	46.00	-12.04	45.51	-11.55	Peak	---	---
6	625.47	33.86	46.00	-12.14	43.04	-9.18	Peak	---	---

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	5

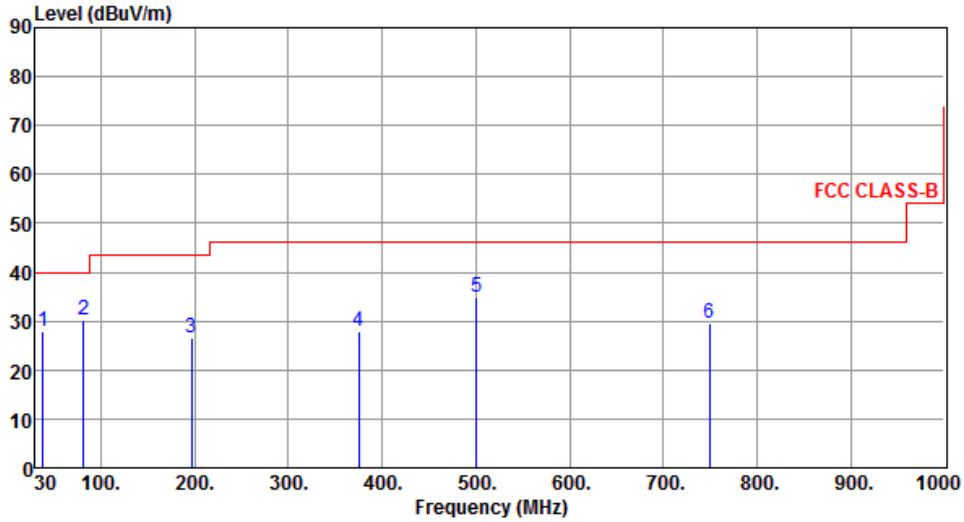


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	54.36	36.02	40.00	-3.98	52.83	-16.81	QP	---	---
2	79.63	37.56	40.00	-2.44	59.11	-21.55	Peak	---	---
3	132.47	31.56	43.50	-11.94	49.60	-18.04	Peak	---	---
4	196.65	30.18	43.50	-13.32	49.82	-19.64	Peak	---	---
5	275.64	28.13	46.00	-17.87	44.99	-16.86	Peak	---	---
6	500.11	35.87	46.00	-10.13	47.42	-11.55	Peak	---	---

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

3.5.9 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 6: External Dipole antenna)

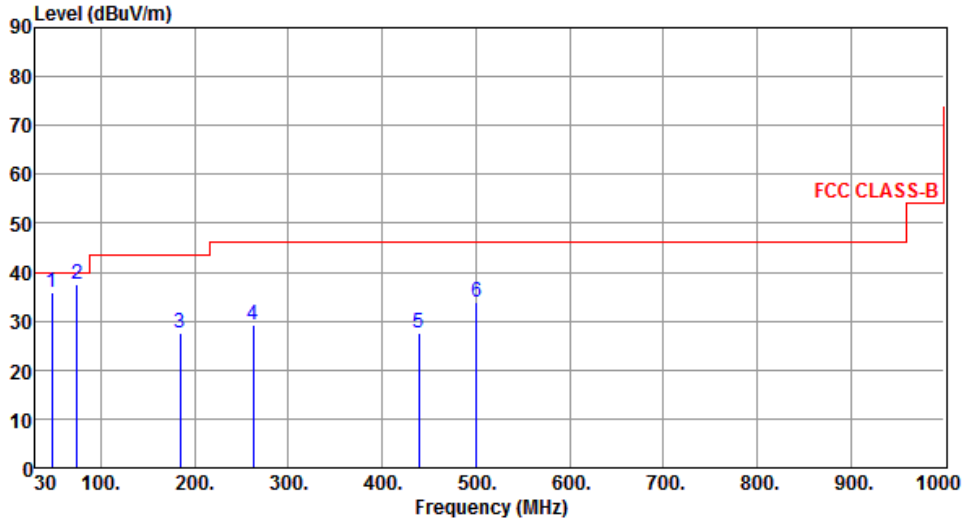
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.76	28.02	40.00	-11.98	45.23	-17.21	Peak	---	---
2	81.41	30.31	40.00	-9.69	52.14	-21.83	Peak	---	---
3	196.84	26.71	43.50	-16.79	46.35	-19.64	Peak	---	---
4	375.32	28.01	46.00	-17.99	42.35	-14.34	Peak	---	---
5	500.45	35.03	46.00	-10.97	46.57	-11.54	Peak	---	---
6	749.74	29.53	46.00	-16.47	36.77	-7.24	Peak	---	---

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

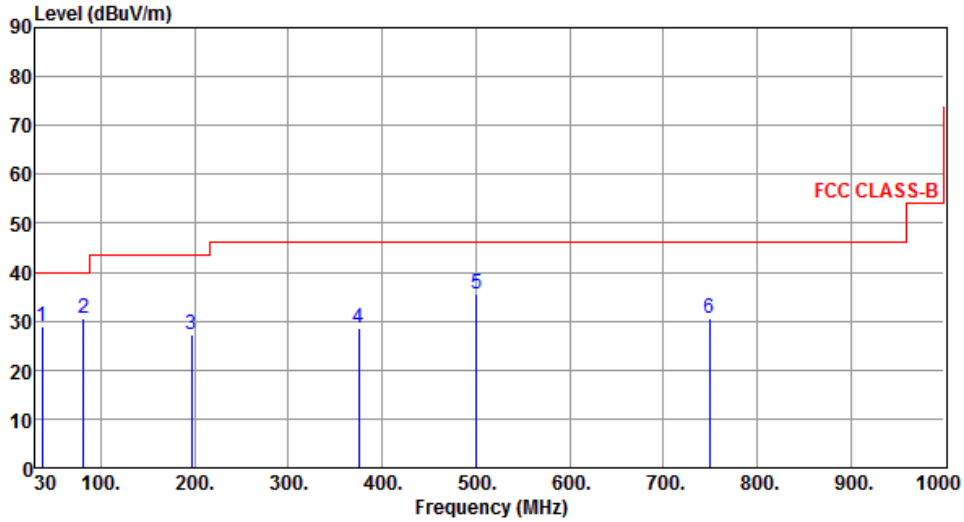
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	47.46	35.78	40.00	-4.22	52.43	-16.65	Peak	---	---
2	74.62	37.54	40.00	-2.46	58.01	-20.47	Peak	---	---
3	184.23	27.65	43.50	-15.85	46.63	-18.98	Peak	---	---
4	262.80	29.37	46.00	-16.63	46.84	-17.47	Peak	---	---
5	439.34	27.67	46.00	-18.33	40.43	-12.76	Peak	---	---
6	500.45	33.81	46.00	-12.19	45.35	-11.54	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.

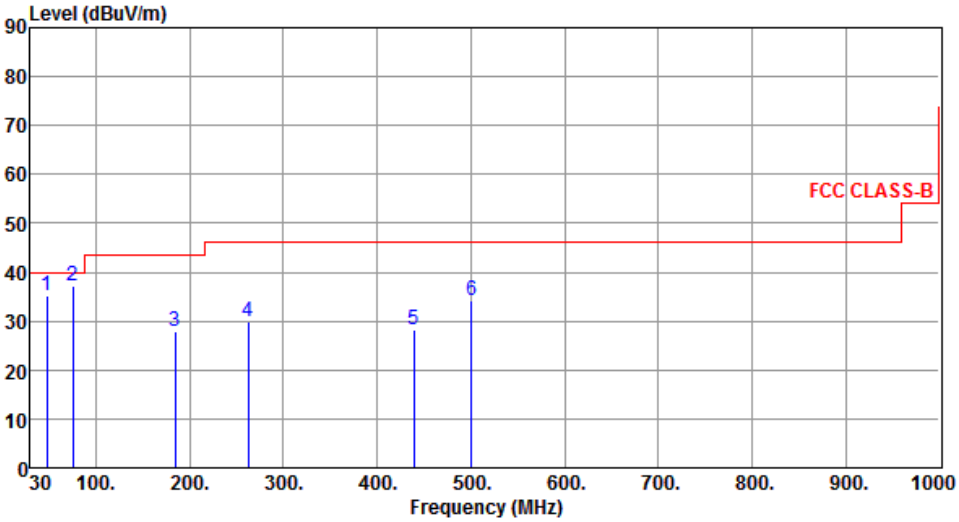
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	37.68	28.79	40.00	-11.21	46.01	-17.22	Peak	---	---
2	81.53	30.65	40.00	-9.35	52.49	-21.84	Peak	---	---
3	196.47	27.33	43.50	-16.17	46.96	-19.63	Peak	---	---
4	375.18	28.49	46.00	-17.51	42.84	-14.35	Peak	---	---
5	500.32	35.68	46.00	-10.32	47.22	-11.54	Peak	---	---
6	749.14	30.67	46.00	-15.33	37.92	-7.25	Peak	---	---

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

Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	6

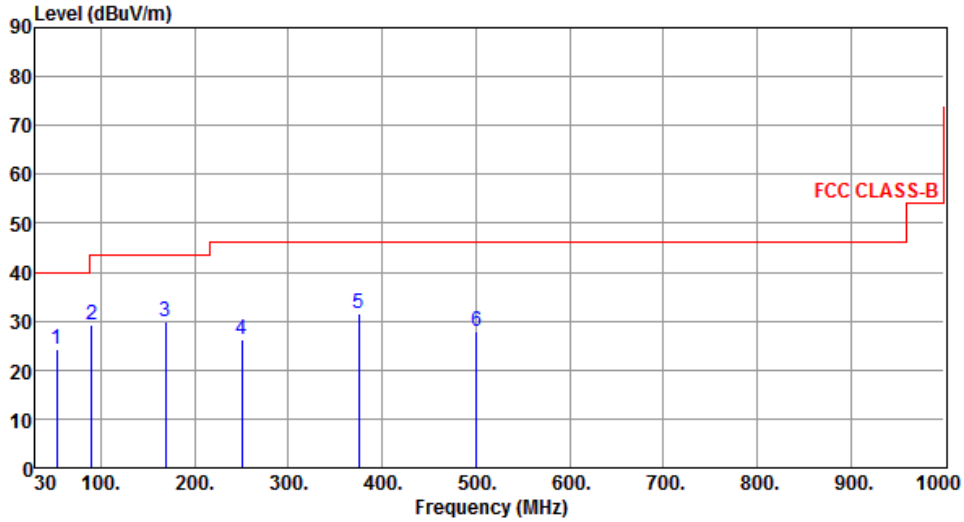


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	47.34	35.13	40.00	-4.87	51.79	-16.66	Peak	---	---
2	74.99	37.28	40.00	-2.72	57.83	-20.55	Peak	---	---
3	184.76	27.76	43.50	-15.74	46.78	-19.02	Peak	---	---
4	262.63	29.85	46.00	-16.15	47.32	-17.47	Peak	---	---
5	439.18	28.31	46.00	-17.69	41.08	-12.77	Peak	---	---
6	500.37	34.24	46.00	-11.76	45.78	-11.54	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 (Below 1GHz) (Configuration 7: External Directional Panel antenna (model WS-AI-DQ04360)

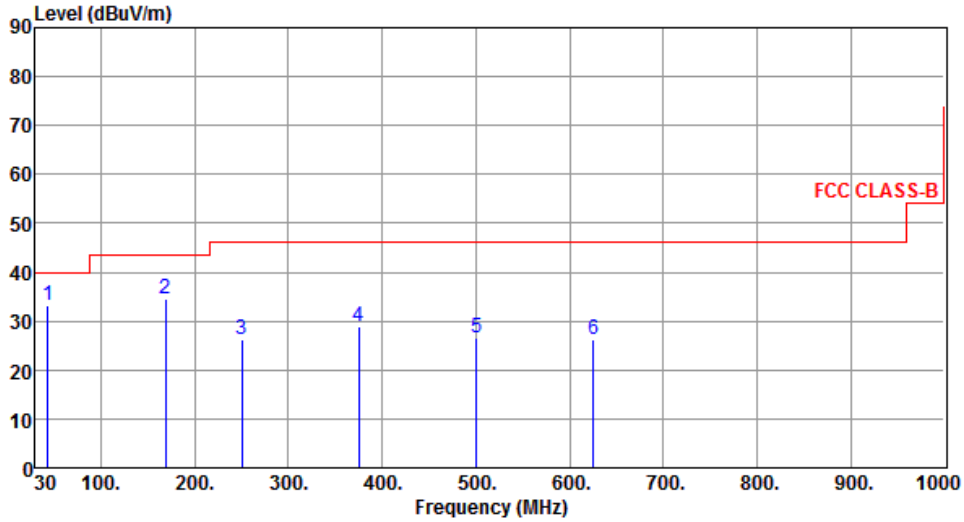
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	7



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	53.28	24.21	40.00	-15.79	40.86	-16.65	Peak	---	---
2	90.14	29.38	43.50	-14.12	52.33	-22.95	Peak	---	---
3	168.71	29.94	43.50	-13.56	46.88	-16.94	Peak	---	---
4	250.19	26.20	46.00	-19.80	43.94	-17.74	Peak	---	---
5	375.32	31.39	46.00	-14.61	45.62	-14.23	Peak	---	---
6	500.45	27.88	46.00	-18.12	39.29	-11.41	Peak	---	---

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

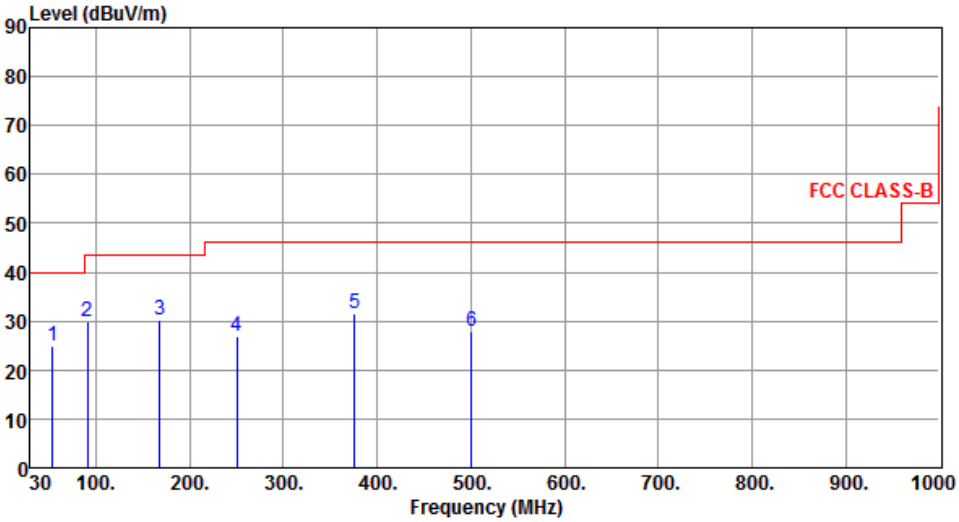
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	7



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	43.58	33.29	40.00	-6.71	49.93	-16.64	Peak	---	---
2	168.71	34.44	43.50	-9.06	51.38	-16.94	Peak	---	---
3	250.19	26.28	46.00	-19.72	44.02	-17.74	Peak	---	---
4	375.32	28.96	46.00	-17.04	43.19	-14.23	Peak	---	---
5	500.45	26.72	46.00	-19.28	38.13	-11.41	Peak	---	---
6	625.58	26.39	46.00	-19.61	35.59	-9.20	Peak	---	---

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

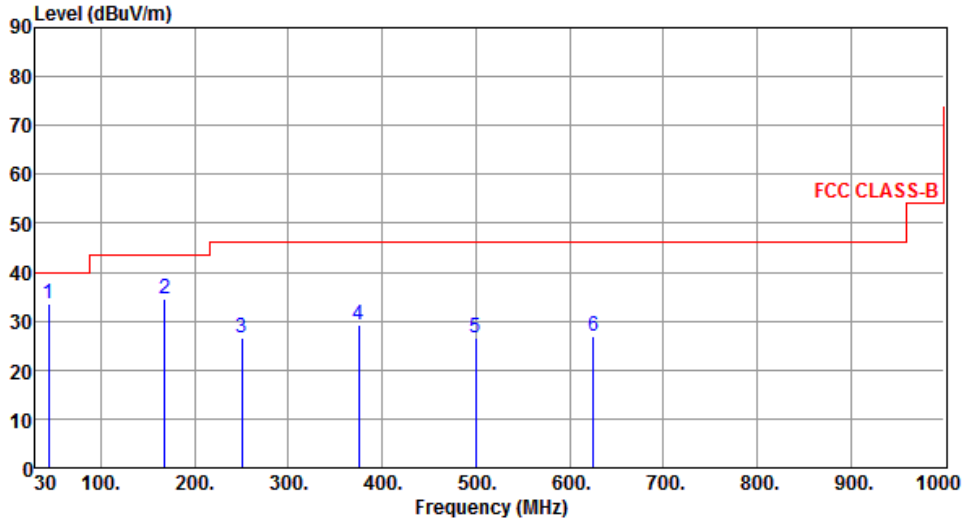
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	7



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	53.42	24.88	40.00	-15.12	41.54	-16.66	Peak	---	---
2	90.56	29.75	43.50	-13.75	52.66	-22.91	Peak	---	---
3	168.37	30.12	43.50	-13.38	47.06	-16.94	Peak	---	---
4	250.36	26.84	46.00	-19.16	44.58	-17.74	Peak	---	---
5	375.74	31.55	46.00	-14.45	45.77	-14.22	Peak	---	---
6	500.58	27.91	46.00	-18.09	39.32	-11.41	Peak	---	---

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	7

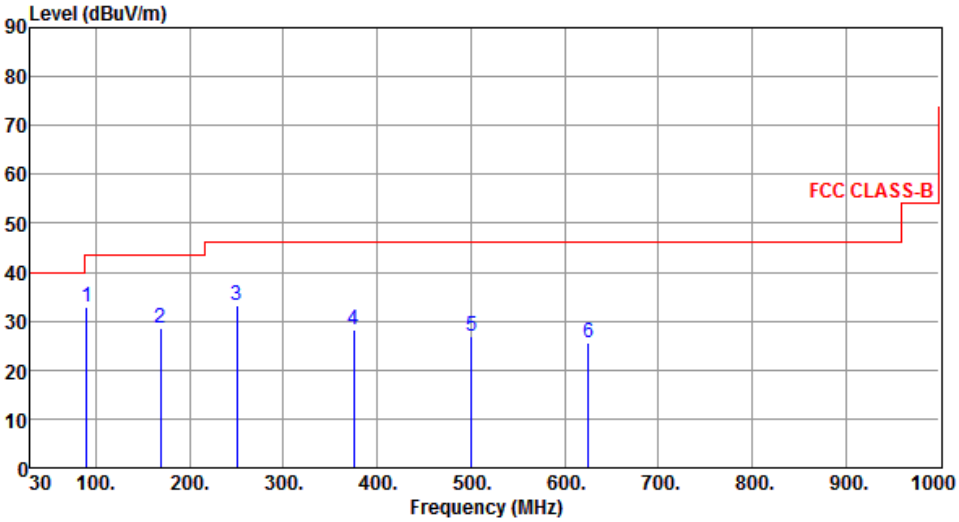


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	43.82	33.58	40.00	-6.42	50.20	-16.62	Peak	---	---
2	168.34	34.56	43.50	-8.94	51.50	-16.94	Peak	---	---
3	250.41	26.72	46.00	-19.28	44.46	-17.74	Peak	---	---
4	375.39	29.34	46.00	-16.66	43.57	-14.23	Peak	---	---
5	500.11	26.45	46.00	-19.55	37.87	-11.42	Peak	---	---
6	625.43	26.89	46.00	-19.11	36.09	-9.20	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.

3.5.11 Transmitter Radiated Unwanted Emissions (Below 1GHz) (Configuration 8: External Directional Panel antenna (model WS-AI-DD05120)

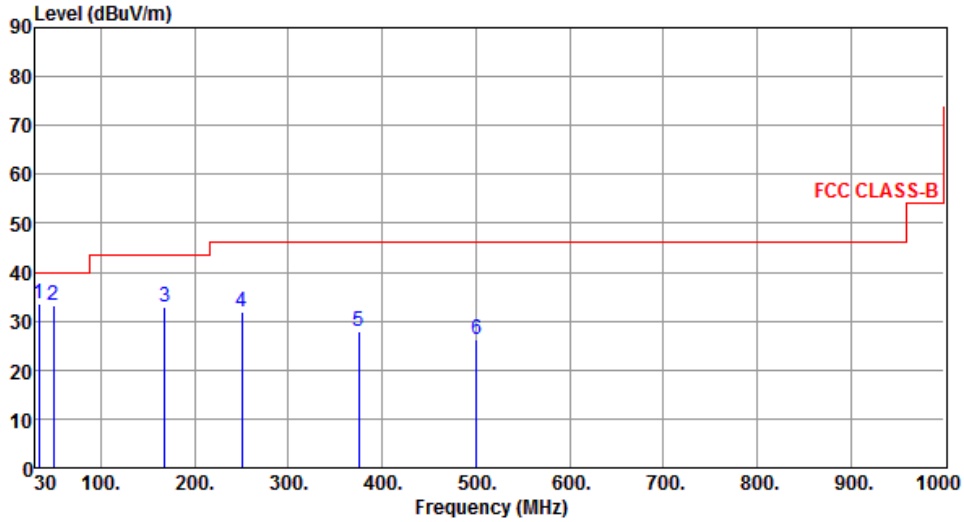
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	8



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	90.14	32.72	43.50	-10.78	55.67	-22.95	Peak	---	---
2	168.71	28.50	43.50	-15.00	45.44	-16.94	Peak	---	---
3	250.19	33.14	46.00	-12.86	50.88	-17.74	Peak	---	---
4	375.32	28.31	46.00	-17.69	42.54	-14.23	Peak	---	---
5	500.45	26.92	46.00	-19.08	38.33	-11.41	Peak	---	---
6	625.58	25.56	46.00	-20.44	34.76	-9.20	Peak	---	---

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

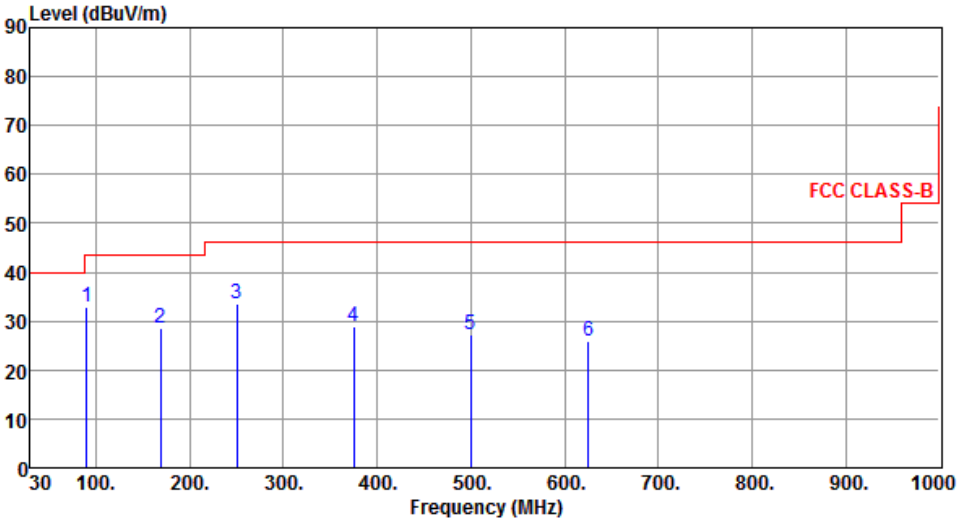
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	8



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	33.88	33.40	40.00	-6.60	50.77	-17.37	Peak	---	---
2	49.40	33.13	40.00	-6.87	49.53	-16.40	Peak	---	---
3	167.74	32.84	43.50	-10.66	49.76	-16.92	Peak	---	---
4	250.19	31.88	46.00	-14.12	49.62	-17.74	Peak	---	---
5	375.32	28.03	46.00	-17.97	42.26	-14.23	Peak	---	---
6	500.45	26.34	46.00	-19.66	37.75	-11.41	Peak	---	---

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

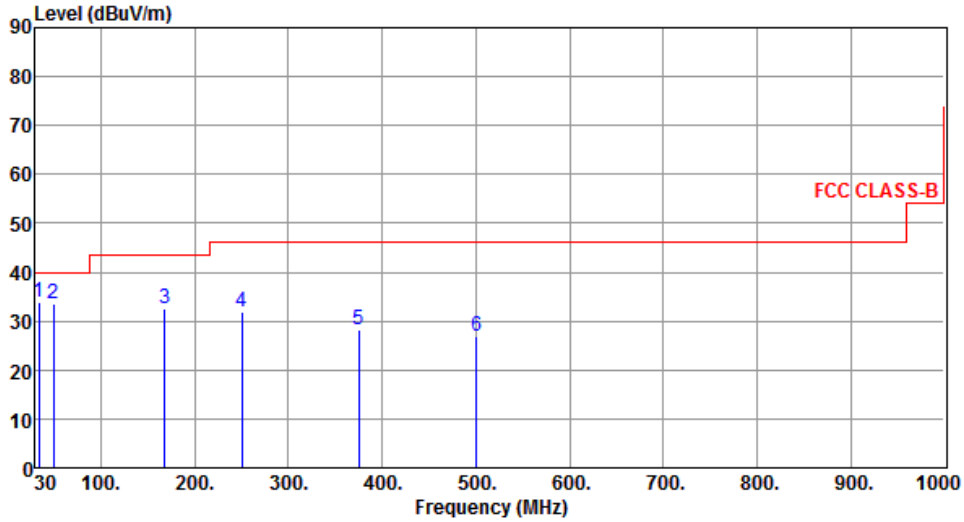
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	8



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	90.34	32.88	43.50	-10.62	55.81	-22.93	Peak	---	---
2	168.94	28.45	43.50	-15.05	45.40	-16.95	Peak	---	---
3	250.37	33.53	46.00	-12.47	51.27	-17.74	Peak	---	---
4	375.26	28.94	46.00	-17.06	43.17	-14.23	Peak	---	---
5	500.17	27.32	46.00	-18.68	38.74	-11.42	Peak	---	---
6	625.16	25.98	46.00	-20.02	35.19	-9.21	Peak	---	---

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	8

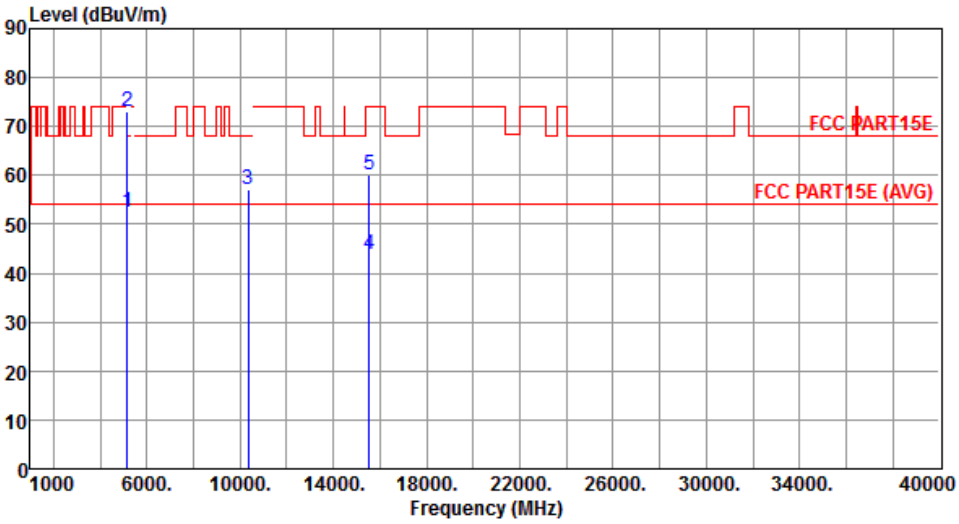


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	33.90	33.85	40.00	-6.15	51.22	-17.37	Peak	---	---
2	49.03	33.51	40.00	-6.49	49.92	-16.41	Peak	---	---
3	167.99	32.45	43.50	-11.05	49.38	-16.93	Peak	---	---
4	250.64	32.03	46.00	-13.97	49.76	-17.73	Peak	---	---
5	375.45	28.24	46.00	-17.76	42.47	-14.23	Peak	---	---
6	500.83	26.76	46.00	-19.24	38.17	-11.41	Peak	---	---

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

3.5.12 Transmitter Radiated Unwanted Emissions (Above 1GHz) (Configuration 1: Internal PIFA antenna)

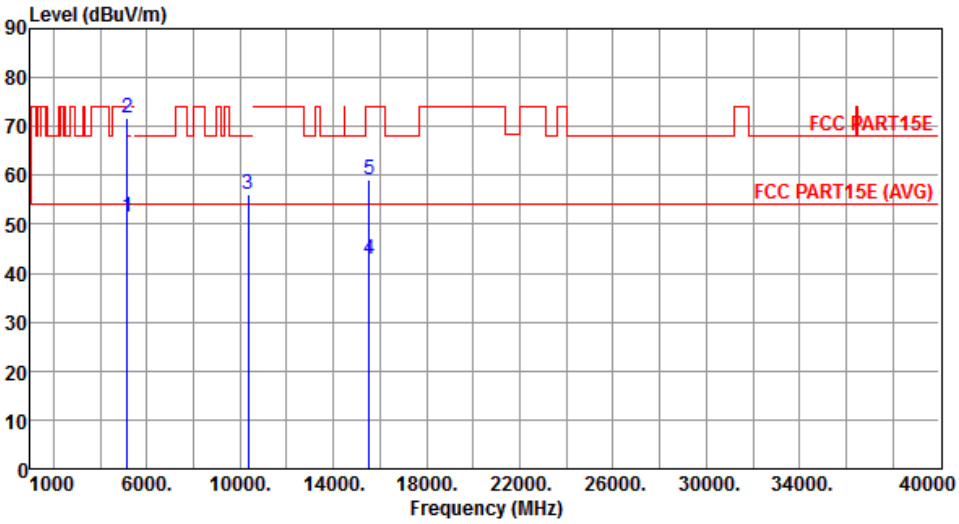
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.53	54.00	-1.47	46.97	5.56	Average	---	---
2	5150.00	73.00	74.00	-1.00	67.44	5.56	Peak	---	---
3	10360.00	57.04	68.20	-11.16	41.97	15.07	Peak	---	---
4	15540.00	43.85	54.00	-10.15	29.32	14.53	Average	---	---
5	15540.00	60.03	74.00	-13.97	45.50	14.53	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).

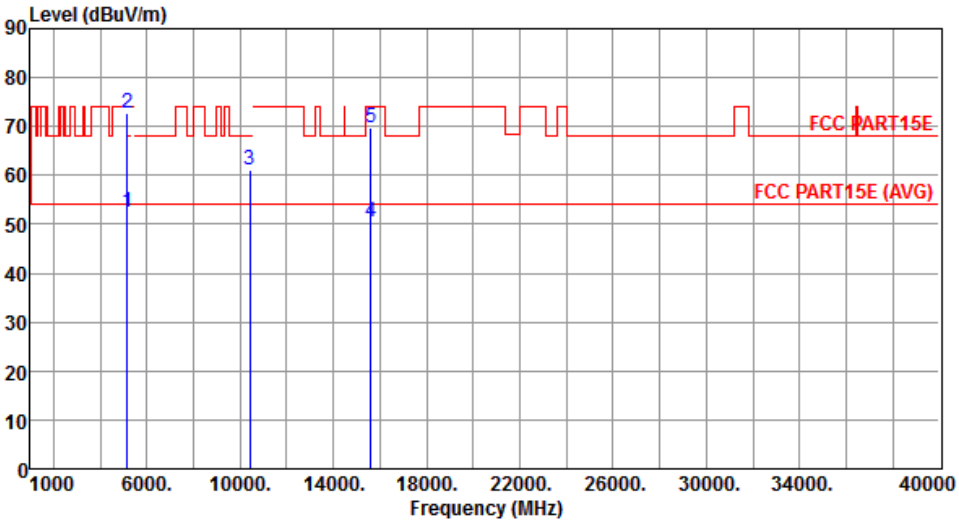
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.42	54.00	-2.58	45.86	5.56	Average	---	---
2	5150.00	71.85	74.00	-2.15	66.29	5.56	Peak	---	---
3	10360.00	56.01	68.20	-12.19	40.94	15.07	Peak	---	---
4	15540.00	42.73	54.00	-11.27	28.20	14.53	Average	---	---
5	15540.00	59.15	74.00	-14.85	44.62	14.53	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).

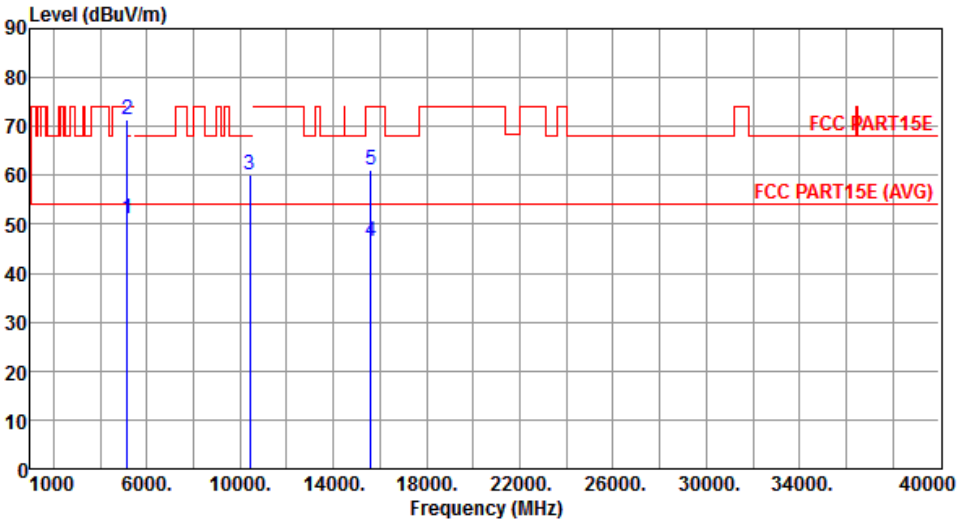
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.39	54.00	-1.61	46.83	5.56	Average	---	---
2	5150.00	72.82	74.00	-1.18	67.26	5.56	Peak	---	---
3	10400.00	61.07	68.20	-7.13	45.94	15.13	Peak	---	---
4	15600.00	50.56	54.00	-3.44	36.12	14.44	Average	---	---
5	15600.00	69.72	74.00	-4.28	55.28	14.44	Peak	---	---

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

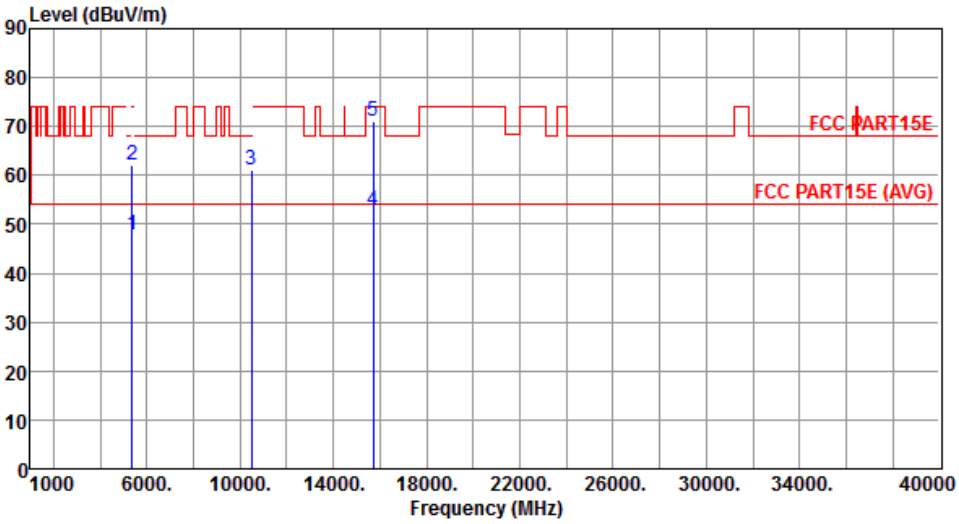
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.15	54.00	-2.85	45.59	5.56	Average	---	---
2	5150.00	71.48	74.00	-2.52	65.92	5.56	Peak	---	---
3	10400.00	60.06	68.20	-8.14	44.93	15.13	Peak	---	---
4	15600.00	46.65	54.00	-7.35	32.21	14.44	Average	---	---
5	15600.00	61.20	74.00	-12.80	46.76	14.44	Peak	---	---

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

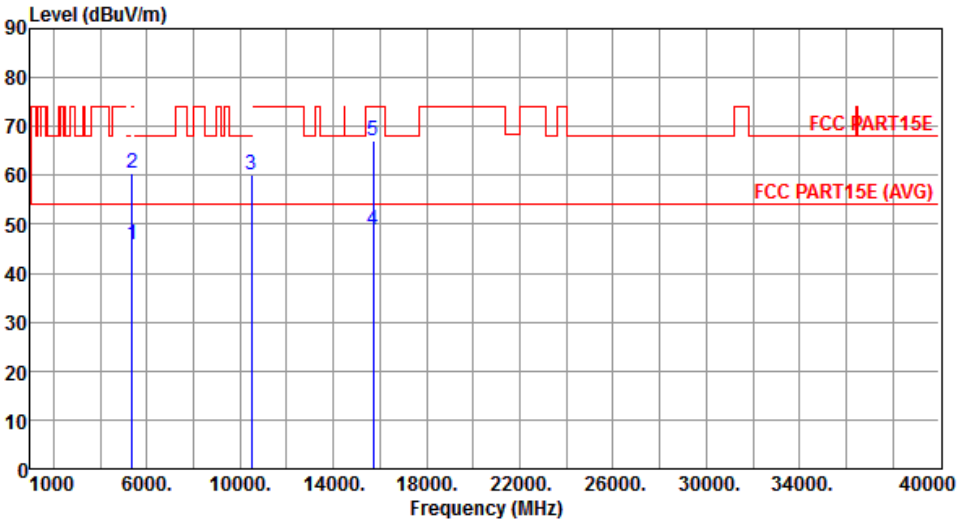
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.83	54.00	-6.17	42.12	5.71	Average	---	---
2	5350.00	62.12	74.00	-11.88	56.41	5.71	Peak	---	---
3	10480.00	61.03	68.20	-7.17	45.79	15.24	Peak	---	---
4	15720.00	52.67	54.00	-1.33	38.41	14.26	Average	---	---
5	15720.00	70.96	74.00	-3.04	56.70	14.26	Peak	---	---

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

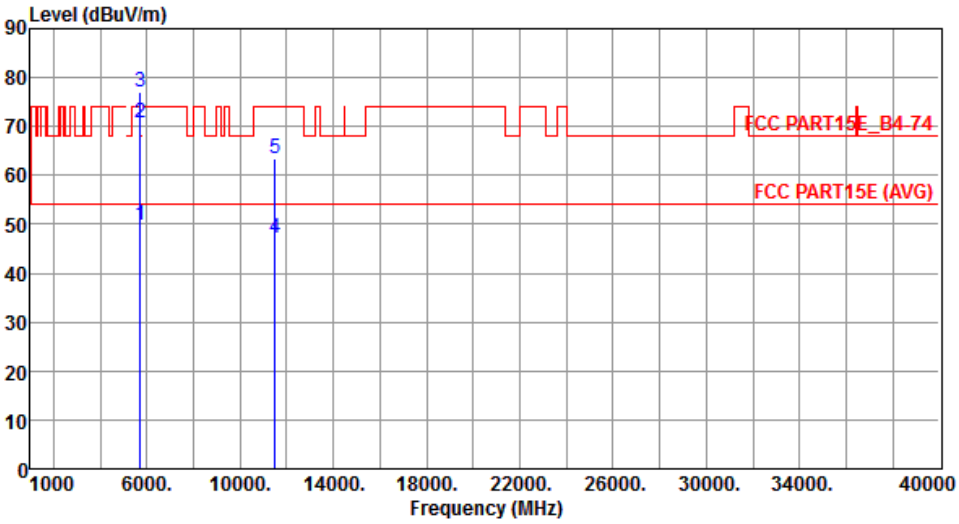
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	45.95	54.00	-8.05	40.24	5.71	Average	---	---
2	5350.00	60.52	74.00	-13.48	54.81	5.71	Peak	---	---
3	10480.00	60.00	68.20	-8.20	44.76	15.24	Peak	---	---
4	15720.00	48.87	54.00	-5.13	34.61	14.26	Average	---	---
5	15720.00	66.92	74.00	-7.08	52.66	14.26	Peak	---	---

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

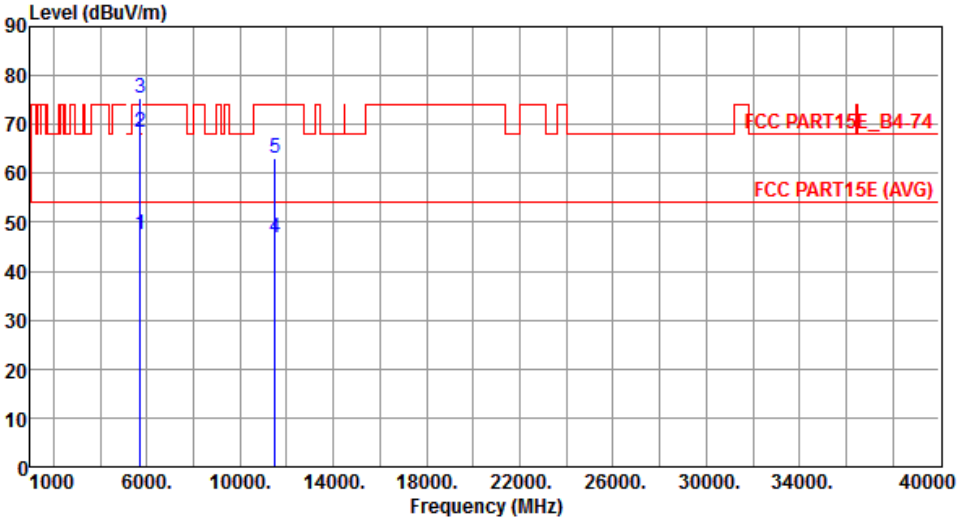
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.74	54.00	-4.26	44.16	5.58	Average	---	---
2	5715.00	70.60	74.00	-3.40	65.02	5.58	Peak	---	---
3	5725.00	77.12	78.20	-1.08	71.54	5.58	Peak	---	---
4	11490.00	47.16	54.00	-6.84	32.59	14.57	Average	---	---
5	11490.00	63.50	74.00	-10.50	48.93	14.57	Peak	---	---

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

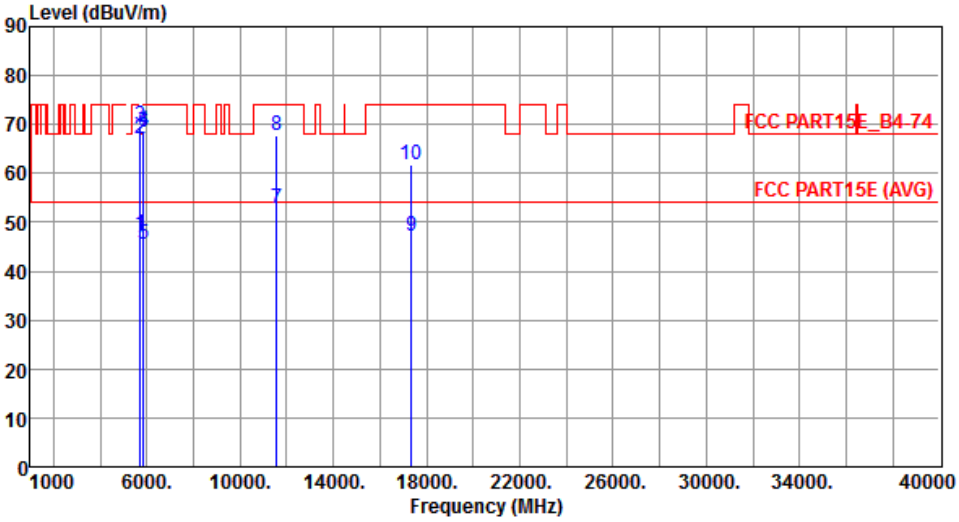
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Vertical	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.53	54.00	-6.47	41.95	5.58	Average	---	---
2	5715.00	68.37	74.00	-5.63	62.79	5.58	Peak	---	---
3	5725.00	75.42	78.20	-2.78	69.84	5.58	Peak	---	---
4	11490.00	46.72	54.00	-7.28	32.15	14.57	Average	---	---
5	11490.00	62.97	74.00	-11.03	48.40	14.57	Peak	---	---

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

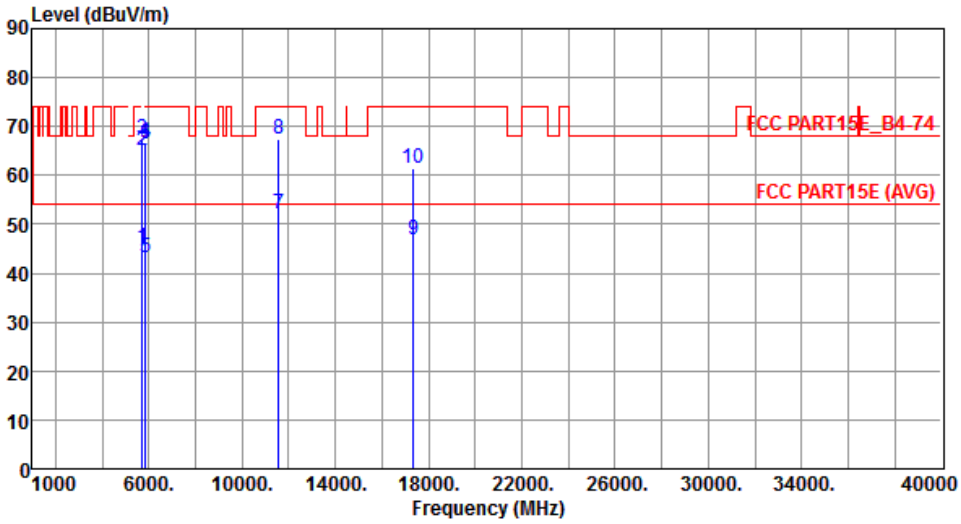
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.45	54.00	-6.55	41.87	5.58	Average	---	---
2	5715.00	67.24	74.00	-6.76	61.66	5.58	Peak	---	---
3	5725.00	69.64	78.20	-8.56	64.06	5.58	Peak	---	---
4	5850.00	68.87	78.20	-9.33	63.25	5.62	Peak	---	---
5	5860.00	45.35	54.00	-8.65	39.73	5.62	Average	---	---
6	5860.00	68.40	74.00	-5.60	62.78	5.62	Peak	---	---
7	11570.00	52.75	54.00	-1.25	38.26	14.49	Average	---	---
8	11570.00	67.90	74.00	-6.10	53.41	14.49	Peak	---	---
9	17355.00	47.15	54.00	-6.85	28.40	18.75	Average	---	---
10	17355.00	61.71	74.00	-12.29	42.96	18.75	Peak	---	---

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

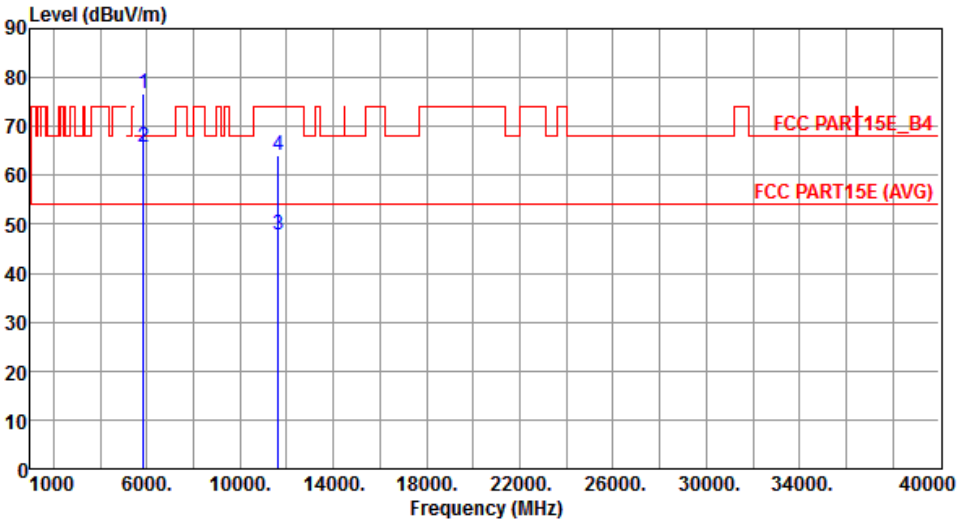
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	45.33	54.00	-8.67	39.75	5.58	Average	---	---
2	5715.00	65.12	74.00	-8.88	59.54	5.58	Peak	---	---
3	5725.00	67.48	78.20	-10.72	61.90	5.58	Peak	---	---
4	5850.00	66.84	78.20	-11.36	61.22	5.62	Peak	---	---
5	5860.00	43.15	54.00	-10.85	37.53	5.62	Average	---	---
6	5860.00	66.36	74.00	-7.64	60.74	5.62	Peak	---	---
7	11570.00	52.23	54.00	-1.77	37.74	14.49	Average	---	---
8	11570.00	67.29	74.00	-6.71	52.80	14.49	Peak	---	---
9	17355.00	46.88	54.00	-7.12	28.13	18.75	Average	---	---
10	17355.00	61.35	74.00	-12.65	42.60	18.75	Peak	---	---

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

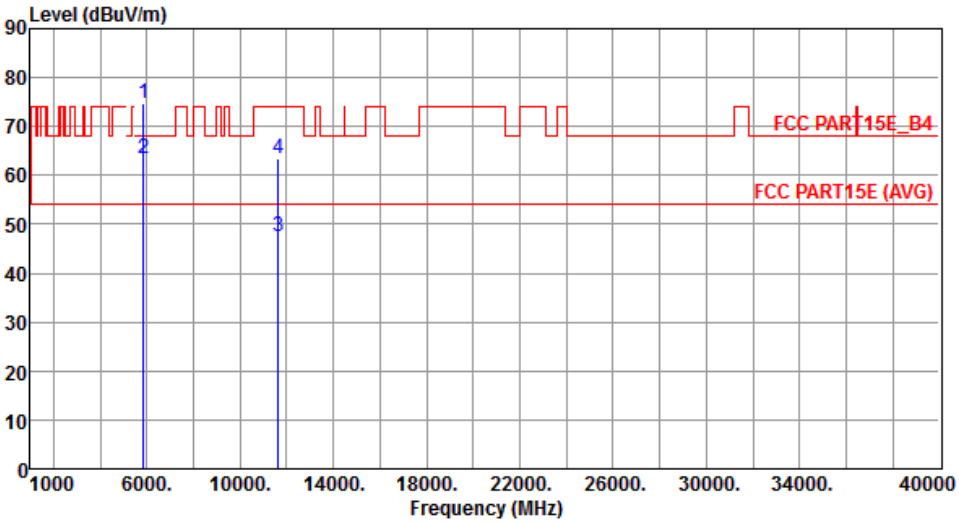
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.87	78.20	-1.33	71.25	5.62	Peak	---	---
2	5860.00	65.65	68.20	-2.55	60.03	5.62	Peak	---	---
3	11650.00	47.86	54.00	-6.14	33.47	14.39	Average	---	---
4	11650.00	64.02	74.00	-9.98	49.63	14.39	Peak	---	---

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

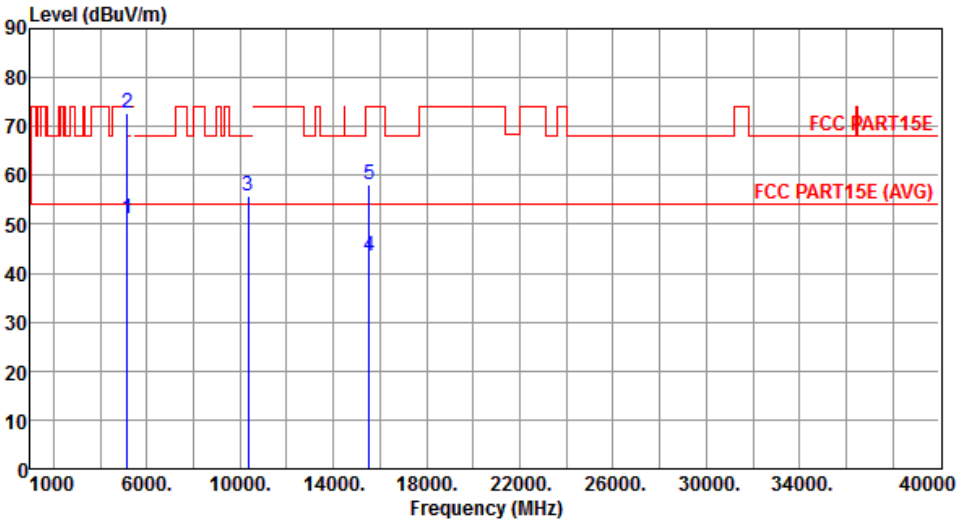
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	74.84	78.20	-3.36	69.22	5.62	Peak	---	---
2	5860.00	63.56	68.20	-4.64	57.94	5.62	Peak	---	---
3	11650.00	47.33	54.00	-6.67	32.94	14.39	Average	---	---
4	11650.00	63.42	74.00	-10.58	49.03	14.39	Peak	---	---

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

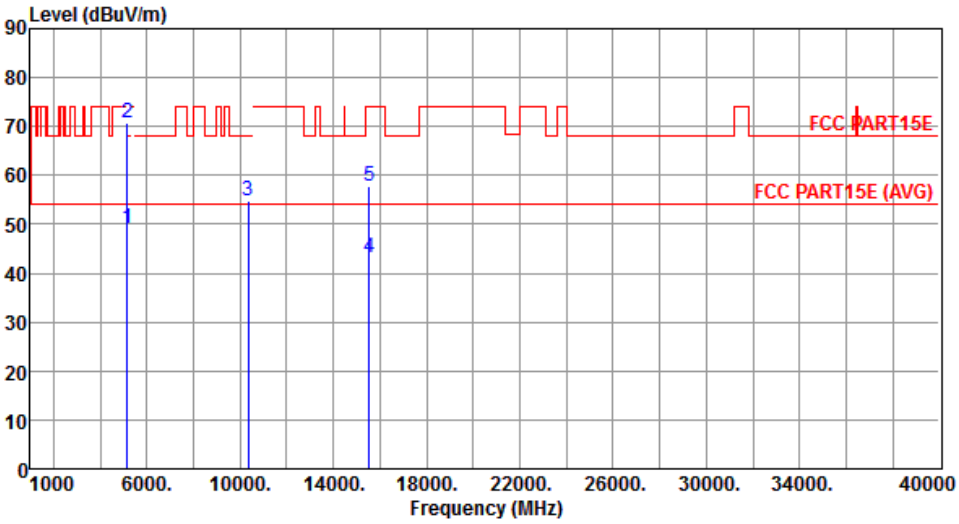
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.11	54.00	-2.89	45.55	5.56	Average	---	---
2	5150.00	72.81	74.00	-1.19	67.25	5.56	Peak	---	---
3	10360.00	55.87	68.20	-12.33	40.80	15.07	Peak	---	---
4	15540.00	43.60	54.00	-10.40	29.07	14.53	Average	---	---
5	15540.00	58.13	74.00	-15.87	43.60	14.53	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).

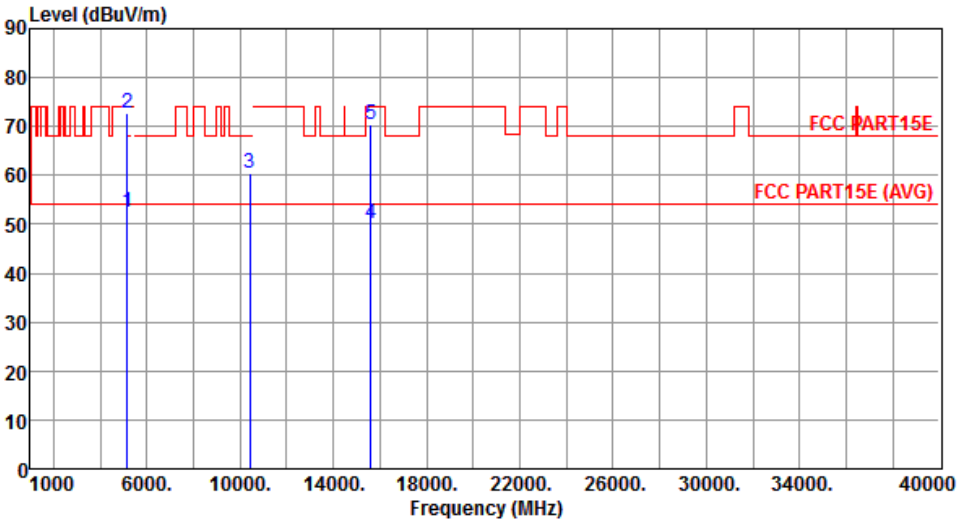
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.06	54.00	-4.94	43.50	5.56	Average	---	---
2	5150.00	70.75	74.00	-3.25	65.19	5.56	Peak	---	---
3	10360.00	54.65	68.20	-13.55	39.58	15.07	Peak	---	---
4	15540.00	43.13	54.00	-10.87	28.60	14.53	Average	---	---
5	15540.00	57.62	74.00	-16.38	43.09	14.53	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).

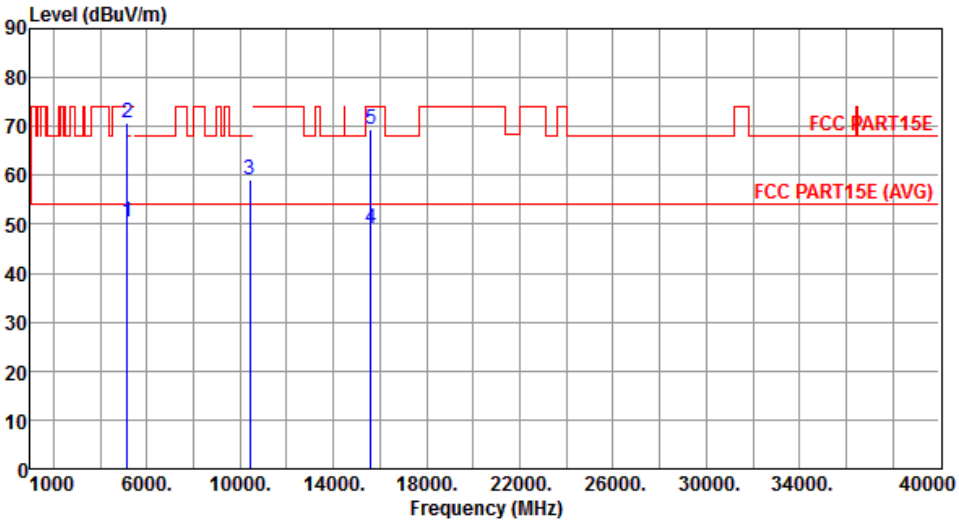
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.44	54.00	-1.56	46.88	5.56	Average	---	---
2	5150.00	72.73	74.00	-1.27	67.17	5.56	Peak	---	---
3	10400.00	60.37	68.20	-7.83	45.24	15.13	Peak	---	---
4	15600.00	50.31	54.00	-3.69	35.87	14.44	Average	---	---
5	15600.00	70.50	74.00	-3.50	56.06	14.44	Peak	---	---

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

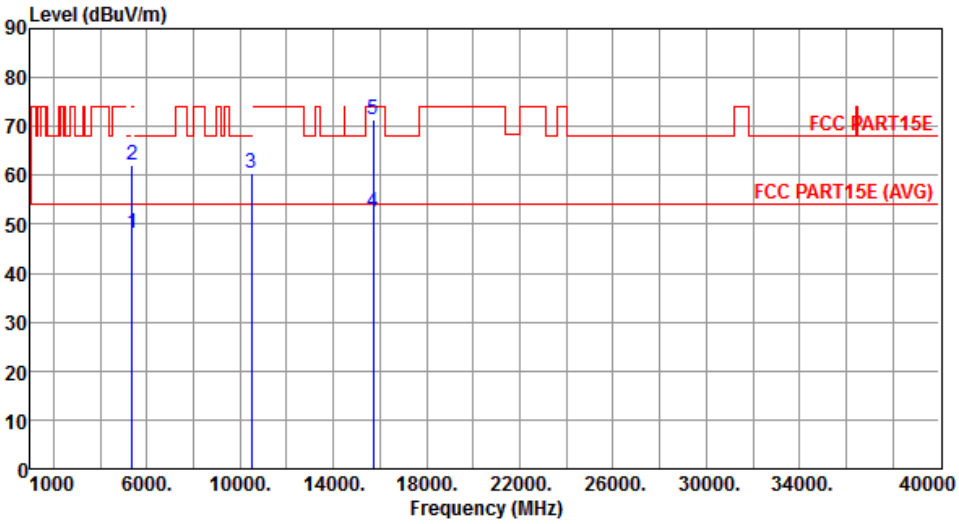
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.38	54.00	-3.62	44.82	5.56	Average	---	---
2	5150.00	70.65	74.00	-3.35	65.09	5.56	Peak	---	---
3	10400.00	59.25	68.20	-8.95	44.12	15.13	Peak	---	---
4	15600.00	49.13	54.00	-4.87	34.69	14.44	Average	---	---
5	15600.00	69.27	74.00	-4.73	54.83	14.44	Peak	---	---

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

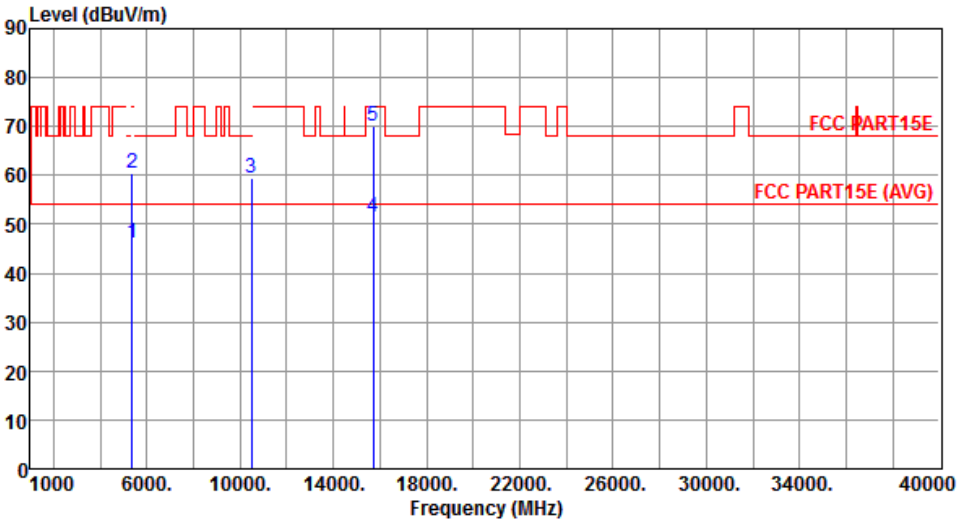
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.10	54.00	-5.90	42.39	5.71	Average	---	---
2	5350.00	62.13	74.00	-11.87	56.42	5.71	Peak	---	---
3	10480.00	60.50	68.20	-7.70	45.26	15.24	Peak	---	---
4	15720.00	52.55	54.00	-1.45	38.29	14.26	Average	---	---
5	15720.00	71.26	74.00	-2.74	57.00	14.26	Peak	---	---

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

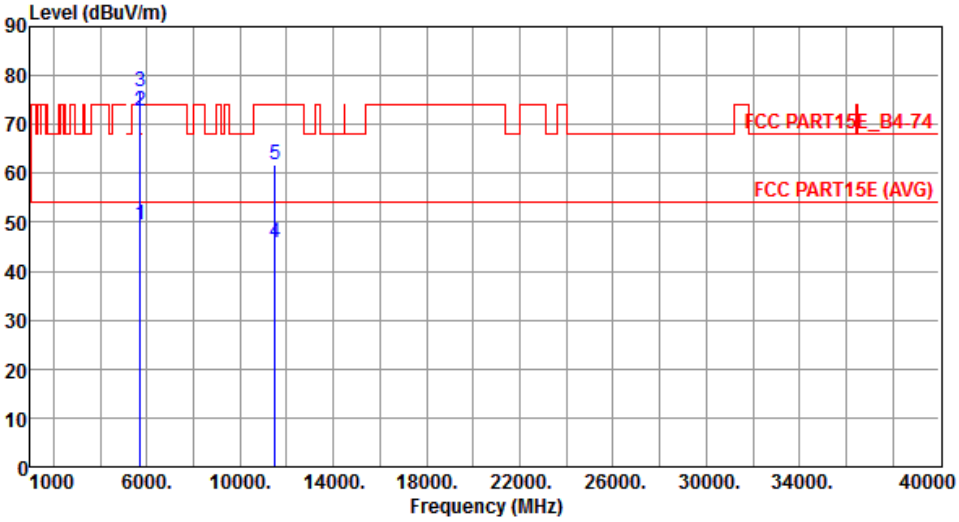
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.27	54.00	-7.73	40.56	5.71	Average	---	---
2	5350.00	60.38	74.00	-13.62	54.67	5.71	Peak	---	---
3	10480.00	59.45	68.20	-8.75	44.21	15.24	Peak	---	---
4	15720.00	51.36	54.00	-2.64	37.10	14.26	Average	---	---
5	15720.00	70.12	74.00	-3.88	55.86	14.26	Peak	---	---

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

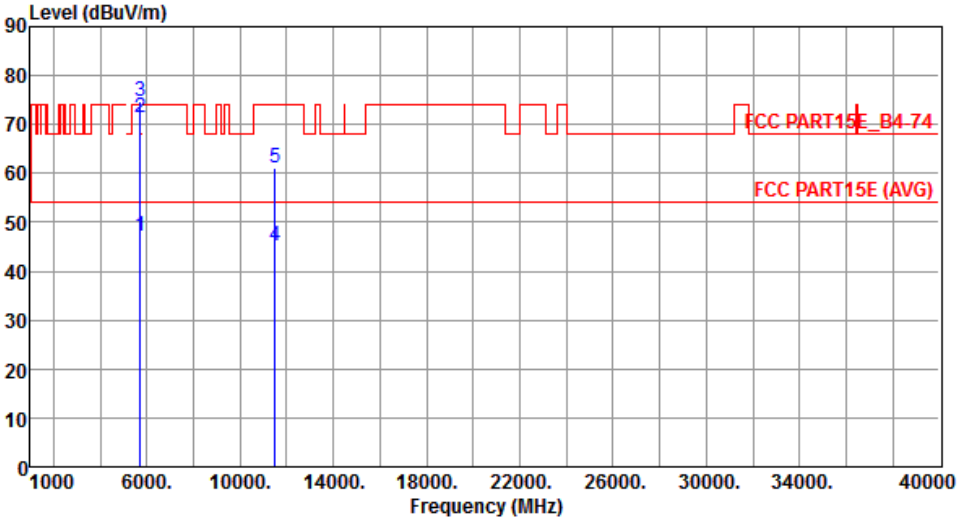
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.50	54.00	-4.50	43.92	5.58	Average	---	---
2	5715.00	72.87	74.00	-1.13	67.29	5.58	Peak	---	---
3	5725.00	76.86	78.20	-1.34	71.28	5.58	Peak	---	---
4	11490.00	45.99	54.00	-8.01	31.42	14.57	Average	---	---
5	11490.00	61.68	74.00	-12.32	47.11	14.57	Peak	---	---

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

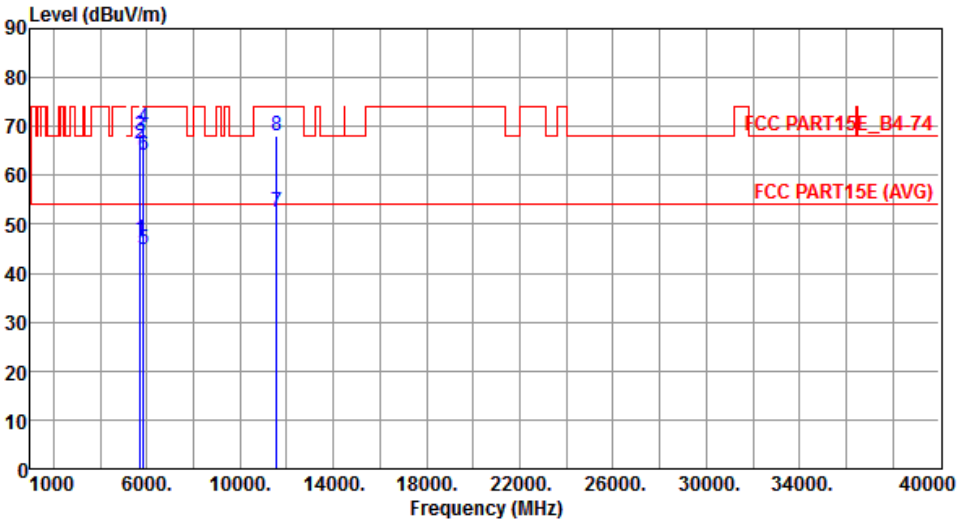
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Vertical	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.25	54.00	-6.75	41.67	5.58	Average	---	---
2	5715.00	71.28	74.00	-2.72	65.70	5.58	Peak	---	---
3	5725.00	74.57	78.20	-3.63	68.99	5.58	Peak	---	---
4	11490.00	45.22	54.00	-8.78	30.65	14.57	Average	---	---
5	11490.00	61.13	74.00	-12.87	46.56	14.57	Peak	---	---

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

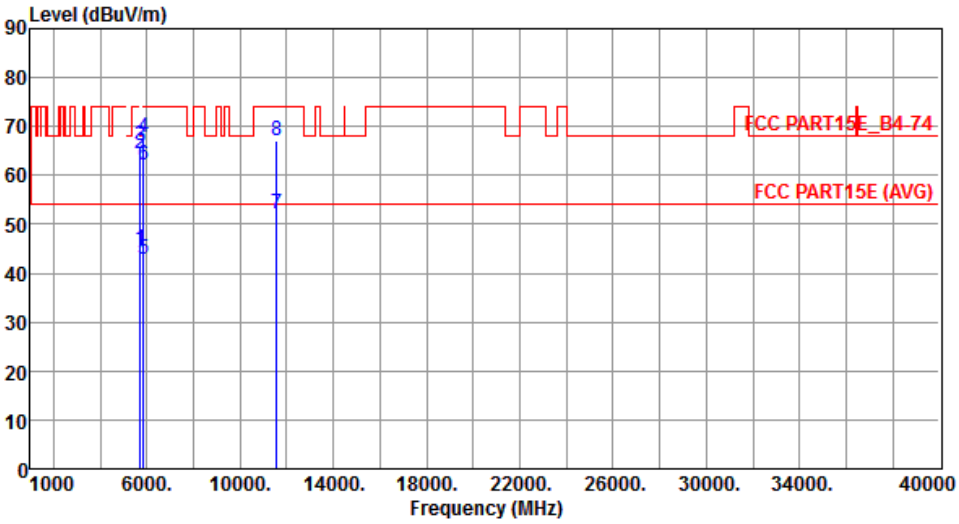
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.97	54.00	-7.03	41.39	5.58	Average	---	---
2	5715.00	66.53	74.00	-7.47	60.95	5.58	Peak	---	---
3	5725.00	68.01	78.20	-10.19	62.43	5.58	Peak	---	---
4	5850.00	69.83	78.20	-8.37	64.21	5.62	Peak	---	---
5	5860.00	44.86	54.00	-9.14	39.24	5.62	Average	---	---
6	5860.00	64.12	74.00	-9.88	58.50	5.62	Peak	---	---
7	11570.00	52.55	54.00	-1.45	38.06	14.49	Average	---	---
8	11570.00	68.20	74.00	-5.80	53.71	14.49	Peak	---	---

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

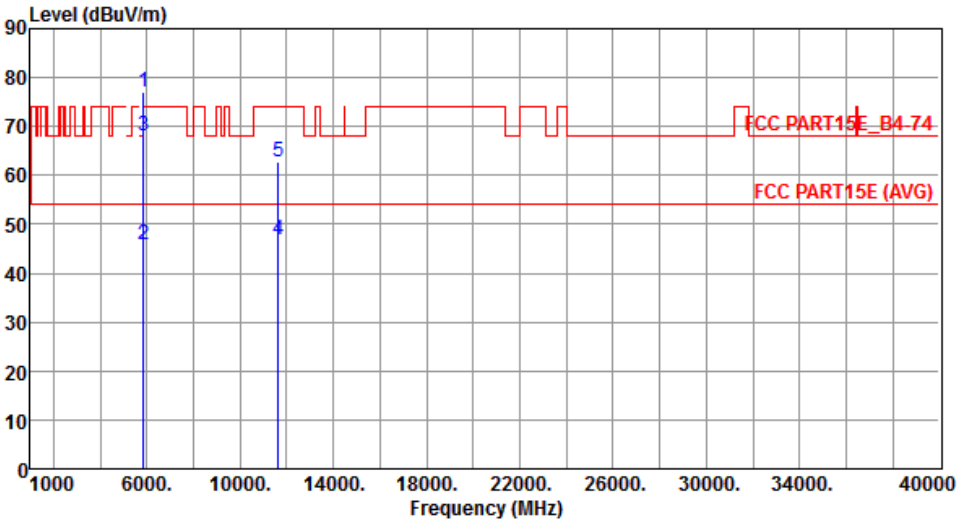
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	44.93	54.00	-9.07	39.35	5.58	Average	---	---
2	5715.00	64.48	74.00	-9.52	58.90	5.58	Peak	---	---
3	5725.00	66.15	78.20	-12.05	60.57	5.58	Peak	---	---
4	5850.00	67.73	78.20	-10.47	62.11	5.62	Peak	---	---
5	5860.00	42.69	54.00	-11.31	37.07	5.62	Average	---	---
6	5860.00	62.08	74.00	-11.92	56.46	5.62	Peak	---	---
7	11570.00	52.08	54.00	-1.92	37.59	14.49	Average	---	---
8	11570.00	67.11	74.00	-6.89	52.62	14.49	Peak	---	---

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

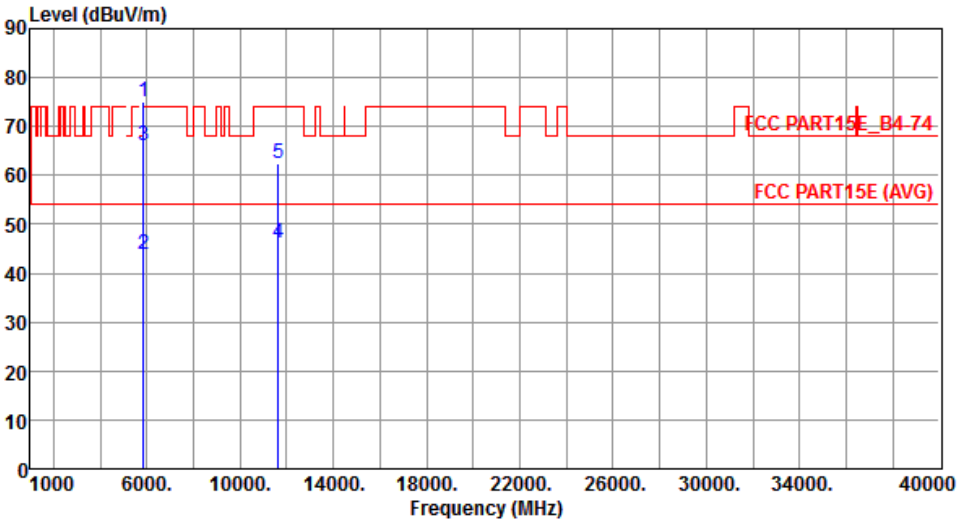
Modulation	VHT20	**Test Freq. (MHz)**	5825
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	77.08	78.20	-1.12	71.46	5.62	Peak	---	---
2	5860.00	45.79	54.00	-8.21	40.17	5.62	Average	---	---
3	5860.00	68.20	74.00	-5.80	62.58	5.62	Peak	---	---
4	11650.00	46.68	54.00	-7.32	32.29	14.39	Average	---	---
5	11650.00	62.93	74.00	-11.07	48.54	14.39	Peak	---	---

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

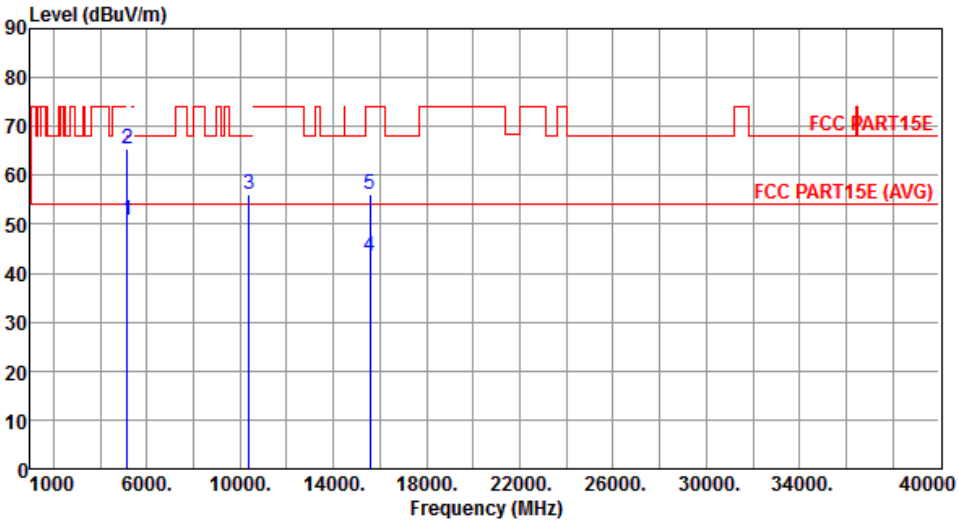
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	75.03	78.20	-3.17	69.41	5.62	Peak	---	---
2	5860.00	43.71	54.00	-10.29	38.09	5.62	Average	---	---
3	5860.00	66.06	74.00	-7.94	60.44	5.62	Peak	---	---
4	11650.00	46.24	54.00	-7.76	31.85	14.39	Average	---	---
5	11650.00	62.34	74.00	-11.66	47.95	14.39	Peak	---	---

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

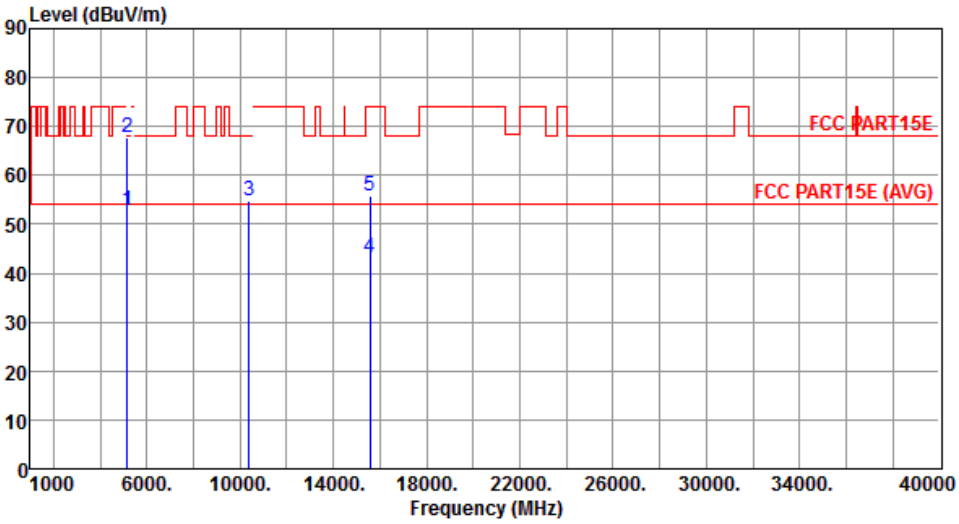
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.88	54.00	-3.12	45.32	5.56	Average	---	---
2	5150.00	65.37	74.00	-8.63	59.81	5.56	Peak	---	---
3	10380.00	55.97	68.20	-12.23	40.86	15.11	Peak	---	---
4	15570.00	43.49	54.00	-10.51	29.00	14.49	Average	---	---
5	15570.00	56.13	74.00	-17.87	41.64	14.49	Peak	---	---

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

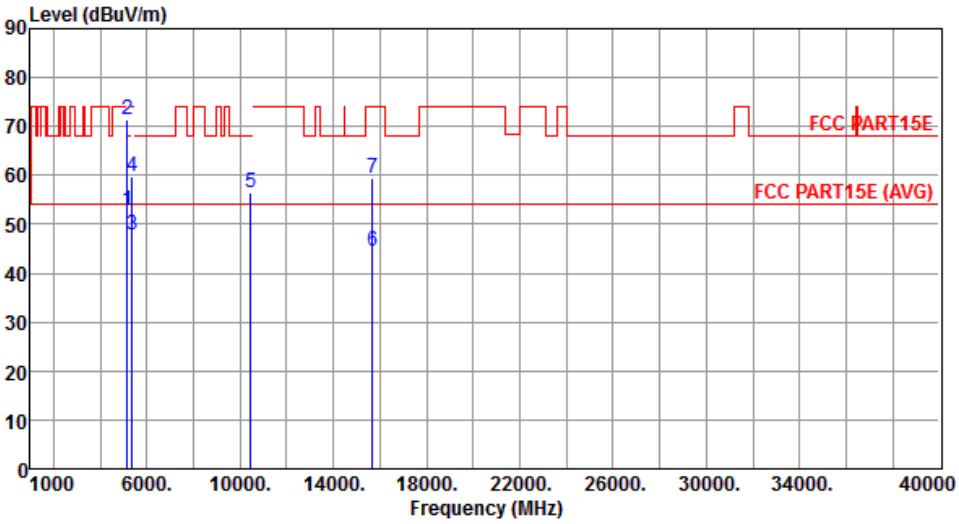
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.91	54.00	-1.09	47.35	5.56	Average	---	---
2	5150.00	67.64	74.00	-6.36	62.08	5.56	Peak	---	---
3	10380.00	54.82	68.20	-13.38	39.71	15.11	Peak	---	---
4	15570.00	43.11	54.00	-10.89	28.62	14.49	Average	---	---
5	15570.00	55.85	74.00	-18.15	41.36	14.49	Peak	---	---

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

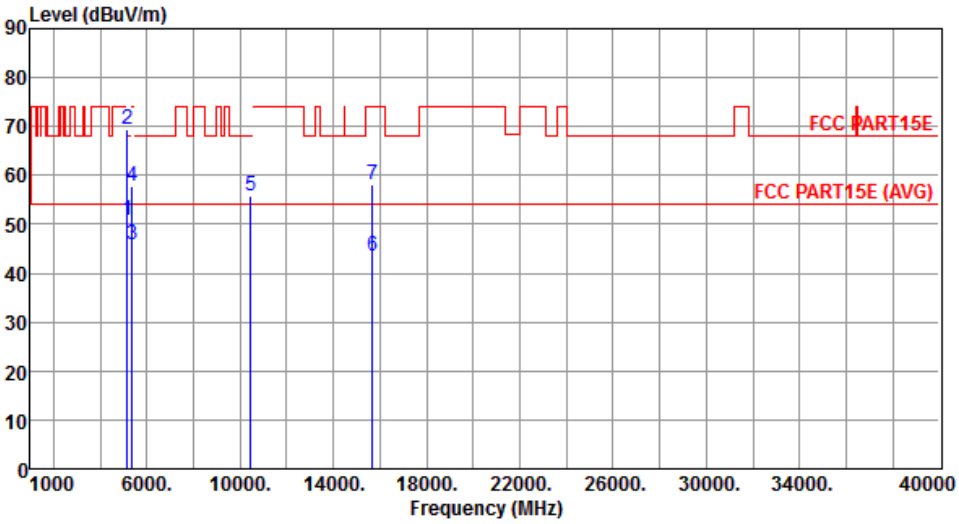
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.84	54.00	-1.16	47.28	5.56	Average	---	---
2	5150.00	71.52	74.00	-2.48	65.96	5.56	Peak	---	---
3	5350.00	47.70	54.00	-6.30	41.99	5.71	Average	---	---
4	5350.00	59.94	74.00	-14.06	54.23	5.71	Peak	---	---
5	10460.00	56.61	68.20	-11.59	41.40	15.21	Peak	---	---
6	15690.00	44.61	54.00	-9.39	30.30	14.31	Average	---	---
7	15690.00	59.44	74.00	-14.56	45.13	14.31	Peak	---	---

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

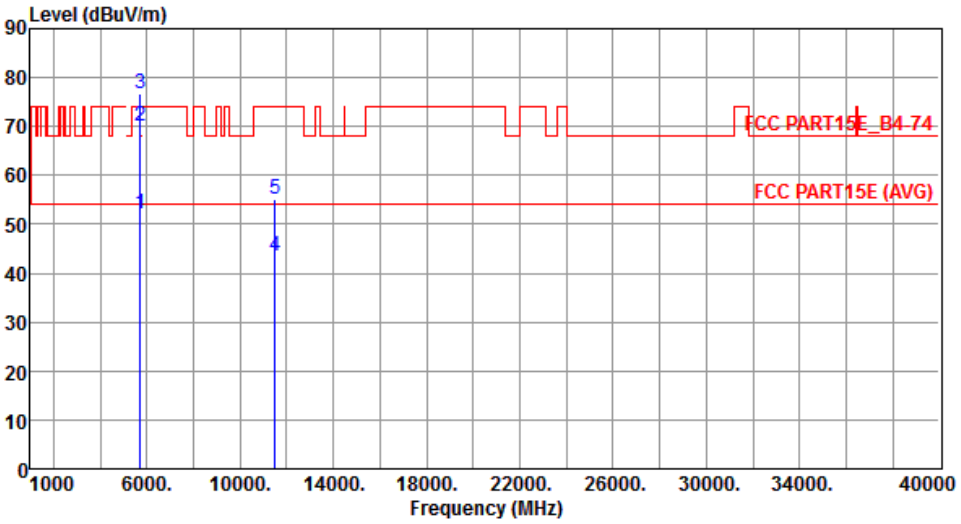
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.73	54.00	-3.27	45.17	5.56	Average	---	---
2	5150.00	69.48	74.00	-4.52	63.92	5.56	Peak	---	---
3	5350.00	45.89	54.00	-8.11	40.18	5.71	Average	---	---
4	5350.00	57.93	74.00	-16.07	52.22	5.71	Peak	---	---
5	10460.00	55.72	68.20	-12.48	40.51	15.21	Peak	---	---
6	15690.00	43.53	54.00	-10.47	29.22	14.31	Average	---	---
7	15690.00	58.27	74.00	-15.73	43.96	14.31	Peak	---	---

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

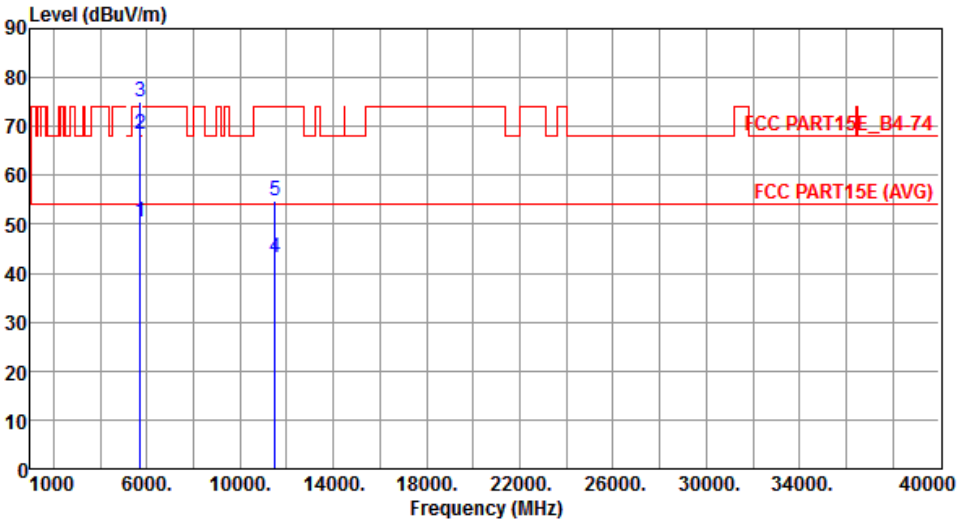
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.16	54.00	-1.84	46.58	5.58	Average	---	---
2	5715.00	70.23	74.00	-3.77	64.65	5.58	Peak	---	---
3	5725.00	76.83	78.20	-1.37	71.25	5.58	Peak	---	---
4	11510.00	43.57	54.00	-10.43	29.02	14.55	Average	---	---
5	11510.00	55.29	74.00	-18.71	40.74	14.55	Peak	---	---

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

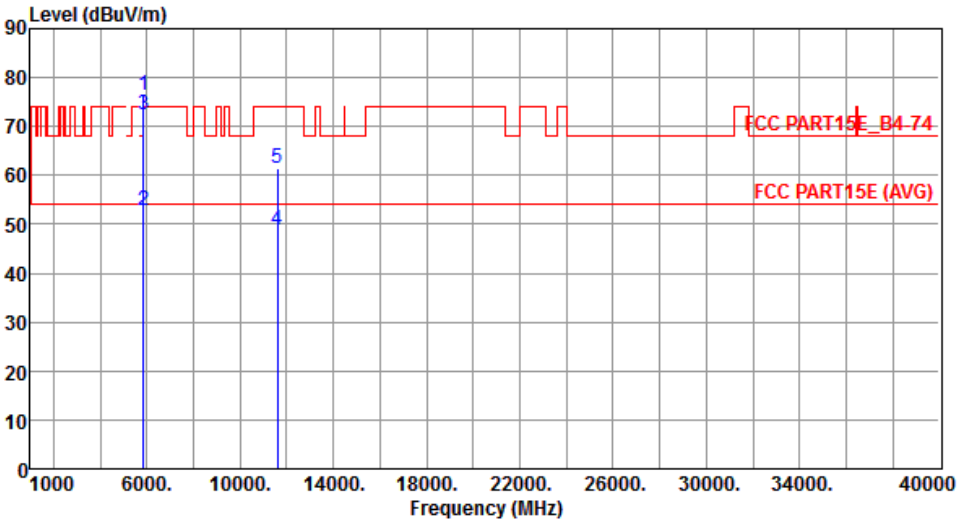
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	50.37	54.00	-3.63	44.79	5.58	Average	---	---
2	5715.00	68.55	74.00	-5.45	62.97	5.58	Peak	---	---
3	5725.00	74.96	78.20	-3.24	69.38	5.58	Peak	---	---
4	11510.00	43.11	54.00	-10.89	28.56	14.55	Average	---	---
5	11510.00	54.86	74.00	-19.14	40.31	14.55	Peak	---	---

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

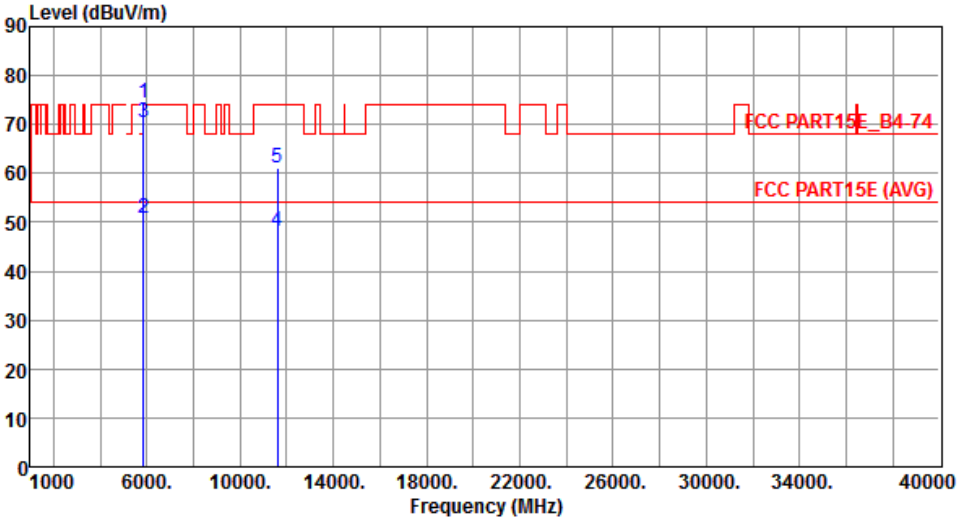
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.52	78.20	-1.68	70.90	5.62	Peak	---	---
2	5860.00	52.84	54.00	-1.16	47.22	5.62	Average	---	---
3	5860.00	72.50	74.00	-1.50	66.88	5.62	Peak	---	---
4	11590.00	48.77	54.00	-5.23	34.32	14.45	Average	---	---
5	11590.00	61.60	74.00	-12.40	47.15	14.45	Peak	---	---

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

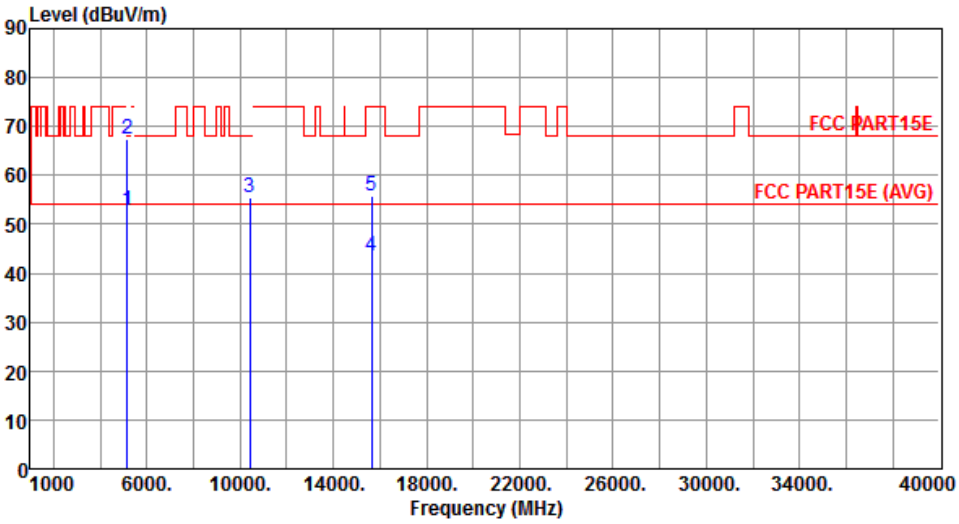
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Vertical	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	74.28	78.20	-3.92	68.66	5.62	Peak	---	---
2	5860.00	50.97	54.00	-3.03	45.35	5.62	Average	---	---
3	5860.00	70.53	74.00	-3.47	64.91	5.62	Peak	---	---
4	11590.00	48.23	54.00	-5.77	33.78	14.45	Average	---	---
5	11590.00	60.96	74.00	-13.04	46.51	14.45	Peak	---	---

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

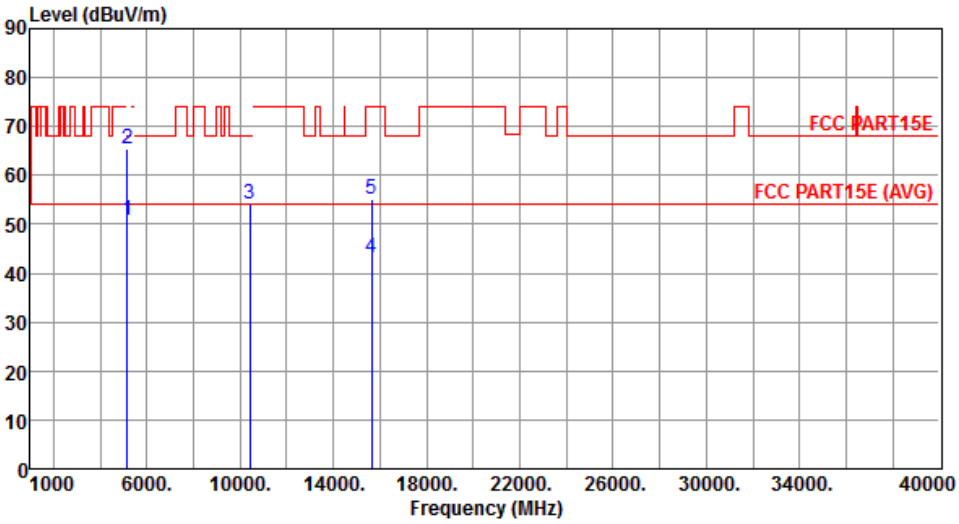
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.89	54.00	-1.11	47.33	5.56	Average	---	---
2	5150.00	67.47	74.00	-6.53	61.91	5.56	Peak	---	---
3	10420.00	55.45	68.20	-12.75	40.30	15.15	Peak	---	---
4	15630.00	43.60	54.00	-10.40	29.20	14.40	Average	---	---
5	15630.00	55.63	74.00	-18.37	41.23	14.40	Peak	---	---

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

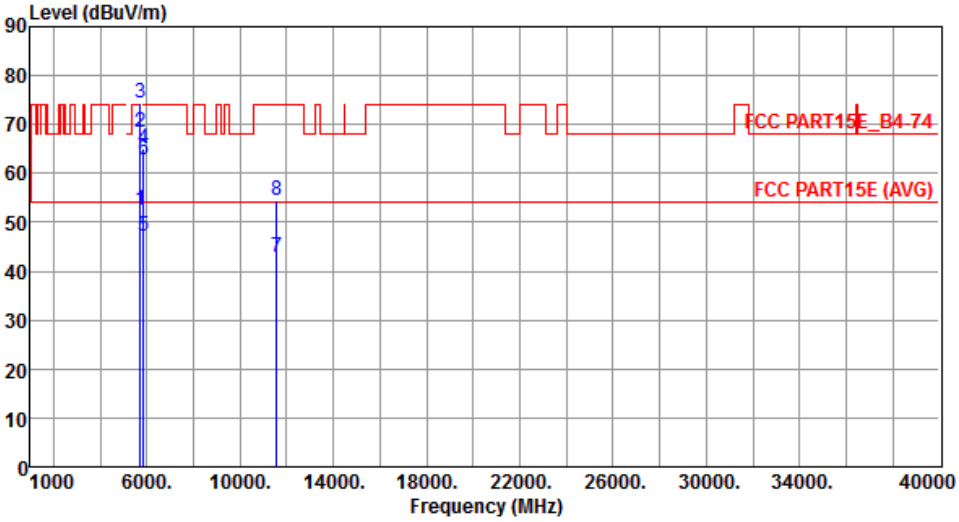
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.82	54.00	-3.18	45.26	5.56	Average	---	---
2	5150.00	65.43	74.00	-8.57	59.87	5.56	Peak	---	---
3	10420.00	54.27	68.20	-13.93	39.12	15.15	Peak	---	---
4	15630.00	43.12	54.00	-10.88	28.72	14.40	Average	---	---
5	15630.00	55.29	74.00	-18.71	40.89	14.40	Peak	---	---

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

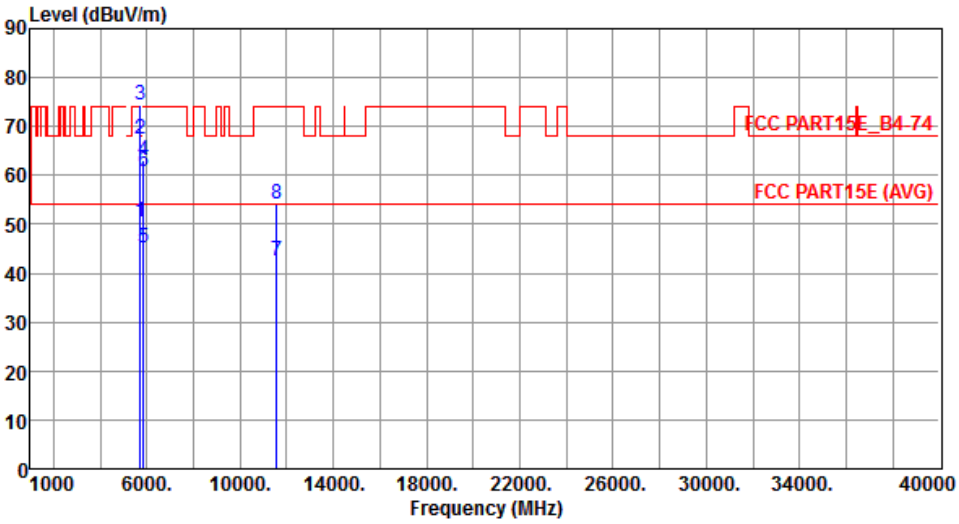
Modulation	VHT80	**Test Freq. (MHz)**	5775
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.52	54.00	-1.48	46.94	5.58	Average	---	---
2	5715.00	68.34	74.00	-5.66	62.76	5.58	Peak	---	---
3	5725.00	74.54	78.20	-3.66	68.96	5.58	Peak	---	---
4	5850.00	65.09	78.20	-13.11	59.47	5.62	Peak	---	---
5	5860.00	47.10	54.00	-6.90	41.48	5.62	Average	---	---
6	5860.00	62.92	74.00	-11.08	57.30	5.62	Peak	---	---
7	11550.00	42.85	54.00	-11.15	28.35	14.50	Average	---	---
8	11550.00	54.59	74.00	-19.41	40.09	14.50	Peak	---	---

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	1

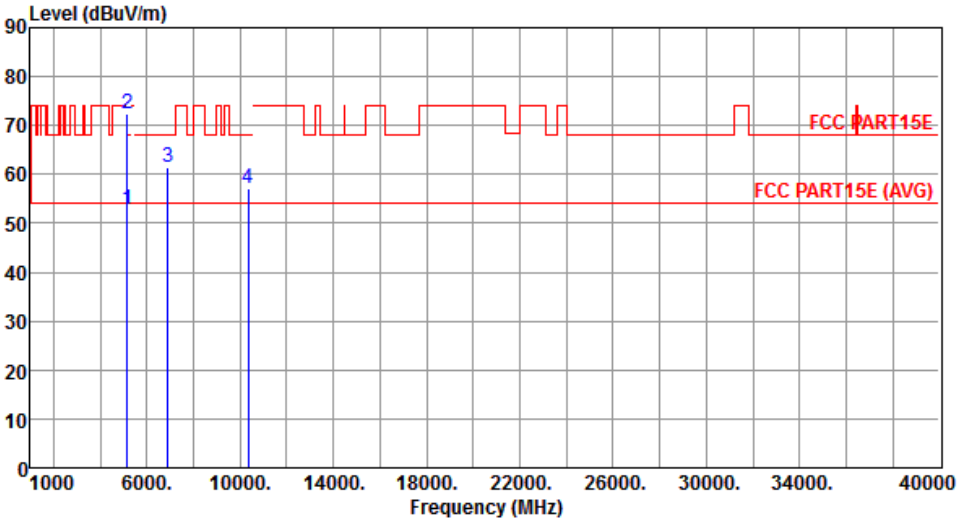


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	50.47	54.00	-3.53	44.89	5.58	Average	---	---
2	5715.00	67.28	74.00	-6.72	61.70	5.58	Peak	---	---
3	5725.00	74.29	78.20	-3.91	68.71	5.58	Peak	---	---
4	5850.00	63.00	78.20	-15.20	57.38	5.62	Peak	---	---
5	5860.00	45.29	54.00	-8.71	39.67	5.62	Average	---	---
6	5860.00	60.88	74.00	-13.12	55.26	5.62	Peak	---	---
7	11550.00	42.61	54.00	-11.39	28.11	14.50	Average	---	---
8	11550.00	54.23	74.00	-19.77	39.73	14.50	Peak	---	---

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

3.5.13 Transmitter Radiated Unwanted Emissions (Above 1GHz) (Configuration 2: External Dipole antenna)

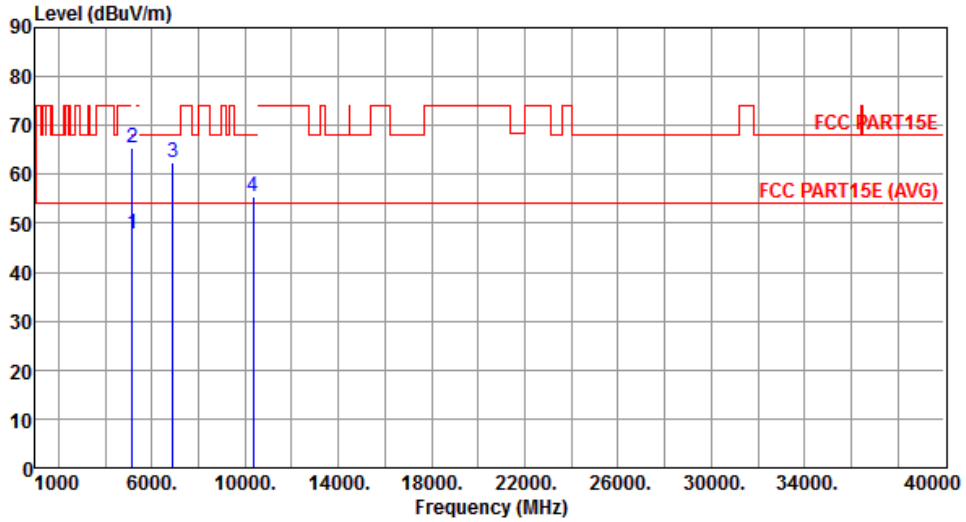
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.78	54.00	-1.22	47.22	5.56	Average	---	---
2	5150.00	72.49	74.00	-1.51	66.93	5.56	Peak	---	---
3	6906.70	61.60	68.20	-6.60	53.49	8.11	Peak	---	---
4	10360.00	57.09	68.20	-11.11	42.02	15.07	Peak	---	---

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

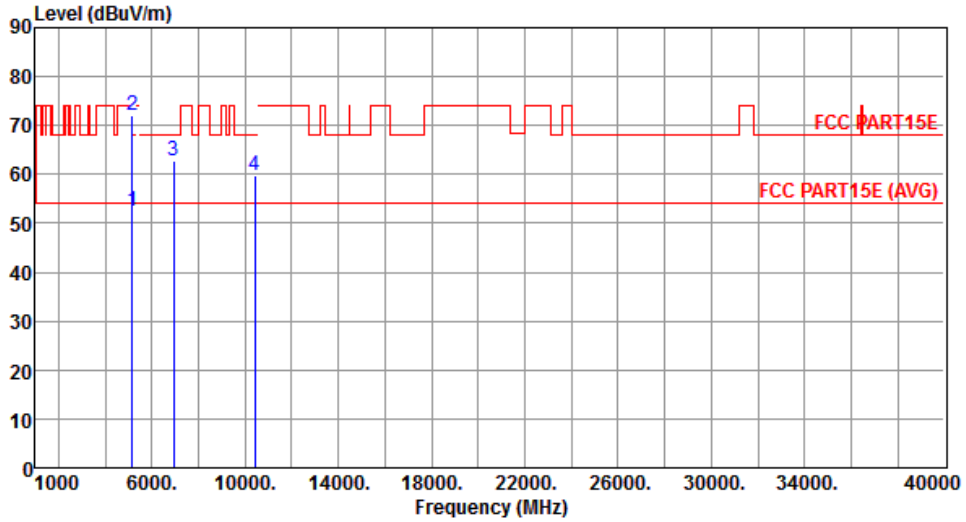
Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.97	54.00	-6.03	42.41	5.56	Average	---	---
2	5150.00	65.38	74.00	-8.62	59.82	5.56	Peak	---	---
3	6906.70	62.37	68.20	-5.83	54.26	8.11	Peak	---	---
4	10360.00	55.31	68.20	-12.89	40.24	15.07	Peak	---	---

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

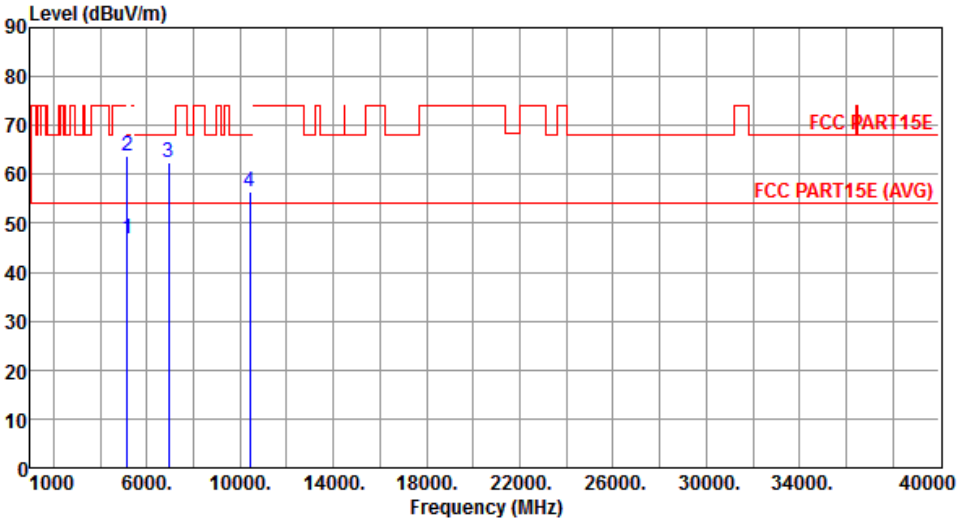
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.63	54.00	-1.37	47.07	5.56	Average	---	---
2	5150.00	72.19	74.00	-1.81	66.63	5.56	Peak	---	---
3	6933.30	62.70	68.20	-5.50	54.58	8.12	Peak	---	---
4	10400.00	59.91	68.20	-8.29	44.78	15.13	Peak	---	---

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

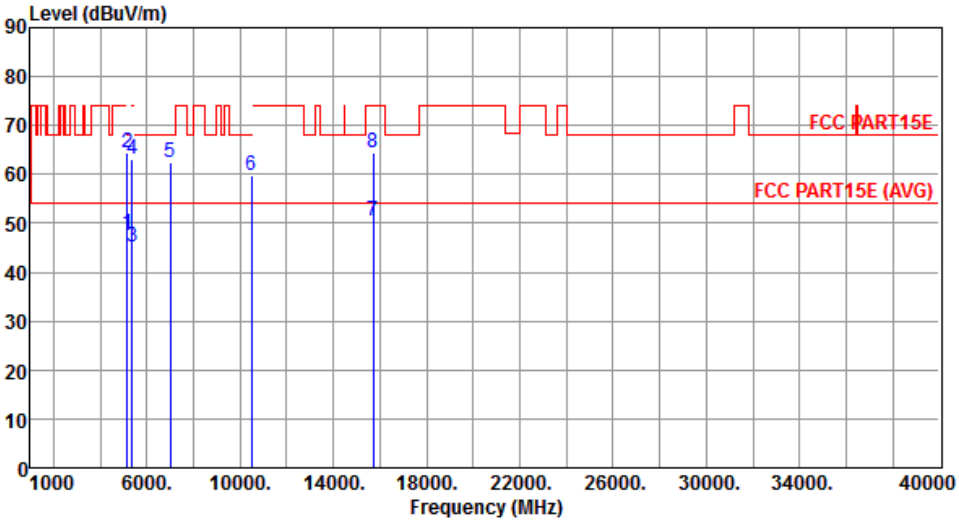
Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.88	54.00	-7.12	41.32	5.56	Average	---	---
2	5150.00	63.73	74.00	-10.27	58.17	5.56	Peak	---	---
3	6933.30	62.46	68.20	-5.74	54.34	8.12	Peak	---	---
4	10400.00	56.39	68.20	-11.81	41.26	15.13	Peak	---	---

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

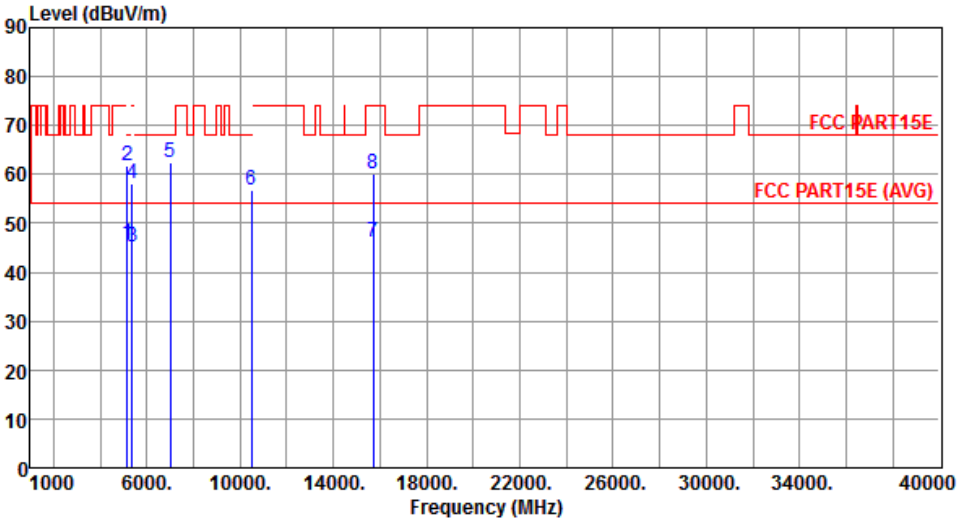
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.73	54.00	-6.27	42.17	5.56	Average	---	---
2	5150.00	64.52	74.00	-9.48	58.96	5.56	Peak	---	---
3	5350.00	45.09	54.00	-8.91	39.38	5.71	Average	---	---
4	5350.00	63.09	74.00	-10.91	57.38	5.71	Peak	---	---
5	6986.70	62.43	68.20	-5.77	54.29	8.14	Peak	---	---
6	10480.00	59.93	68.20	-8.27	44.69	15.24	Peak	---	---
7	15720.00	50.61	54.00	-3.39	36.35	14.26	Average	---	---
8	15720.00	64.57	74.00	-9.43	50.31	14.26	Peak	---	---

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

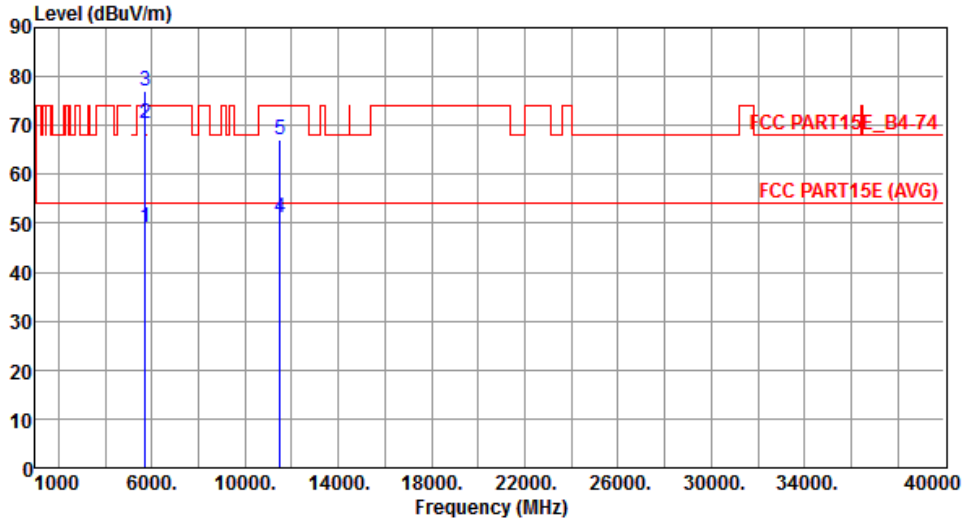
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.98	54.00	-8.02	40.42	5.56	Average	---	---
2	5150.00	61.64	74.00	-12.36	56.08	5.56	Peak	---	---
3	5350.00	45.23	54.00	-8.77	39.52	5.71	Average	---	---
4	5350.00	58.02	74.00	-15.98	52.31	5.71	Peak	---	---
5	6986.70	62.58	68.20	-5.62	54.44	8.14	Peak	---	---
6	10480.00	56.74	68.20	-11.46	41.50	15.24	Peak	---	---
7	15720.00	46.03	54.00	-7.97	31.77	14.26	Average	---	---
8	15720.00	60.14	74.00	-13.86	45.88	14.26	Peak	---	---

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

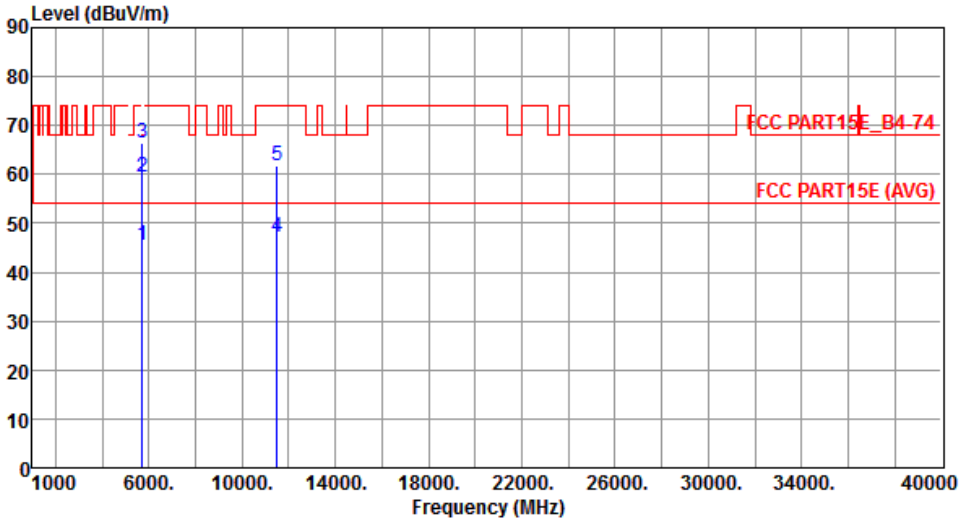
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.22	54.00	-4.78	43.64	5.58	Average	---	---
2	5715.00	70.30	74.00	-3.70	64.72	5.58	Peak	---	---
3	5725.00	77.20	78.20	-1.00	71.62	5.58	Peak	---	---
4	11490.00	51.02	54.00	-2.98	36.45	14.57	Average	---	---
5	11490.00	66.93	74.00	-7.07	52.36	14.57	Peak	---	---

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

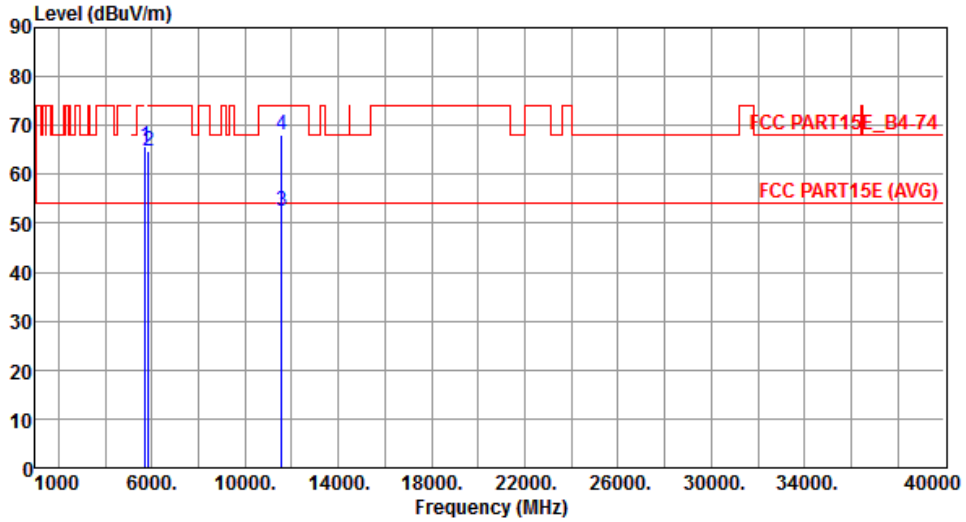
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	45.45	54.00	-8.55	39.87	5.58	Average	---	---
2	5715.00	59.43	74.00	-14.57	53.85	5.58	Peak	---	---
3	5725.00	66.53	78.20	-11.67	60.95	5.58	Peak	---	---
4	11490.00	47.13	54.00	-6.87	32.56	14.57	Average	---	---
5	11490.00	61.88	74.00	-12.12	47.31	14.57	Peak	---	---

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

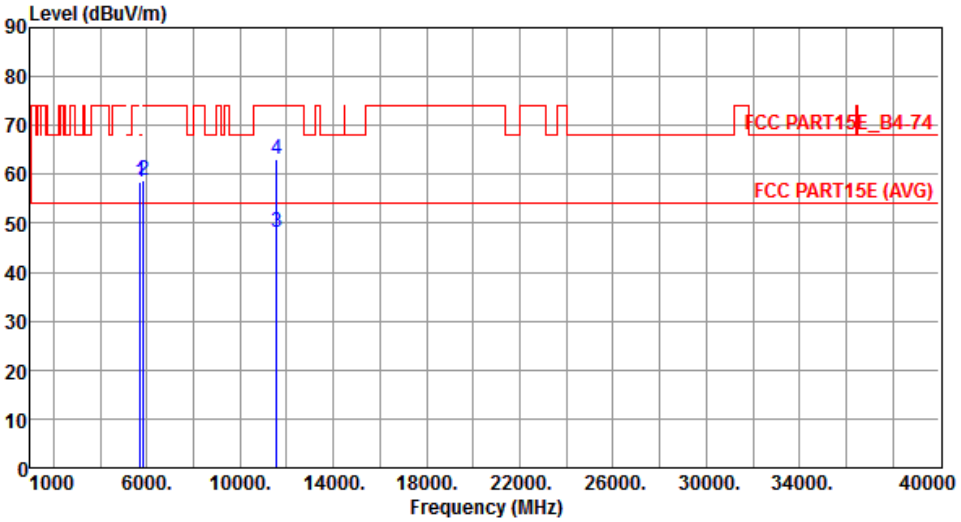
Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.89	78.20	-12.31	60.31	5.58	Peak	---	---
2	5850.00	64.89	78.20	-13.31	59.27	5.62	Peak	---	---
3	11570.00	52.52	54.00	-1.48	38.03	14.49	Average	---	---
4	11570.00	68.22	74.00	-5.78	53.73	14.49	Peak	---	---

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

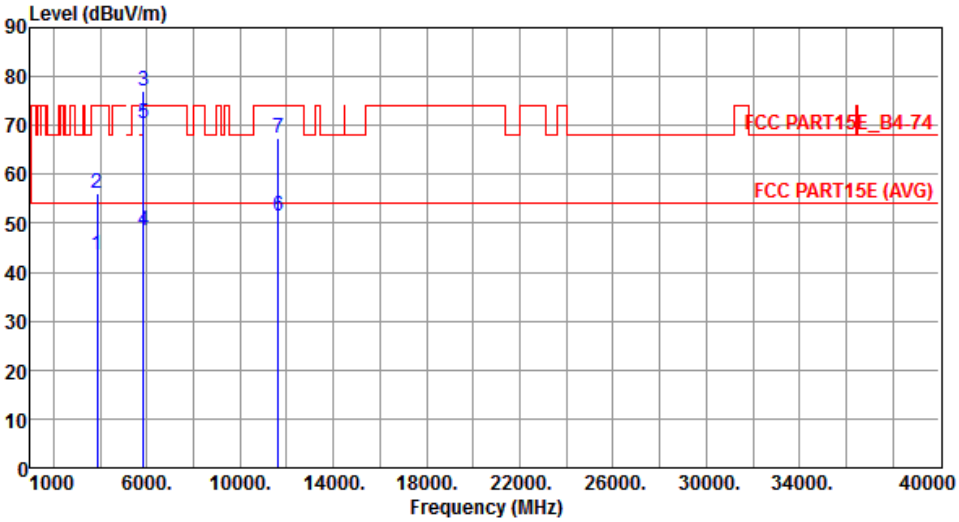
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	58.30	78.20	-19.90	52.72	5.58	Peak	---	---
2	5850.00	58.65	78.20	-19.55	53.03	5.62	Peak	---	---
3	11570.00	48.29	54.00	-5.71	33.80	14.49	Average	---	---
4	11570.00	63.10	74.00	-10.90	48.61	14.49	Peak	---	---

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

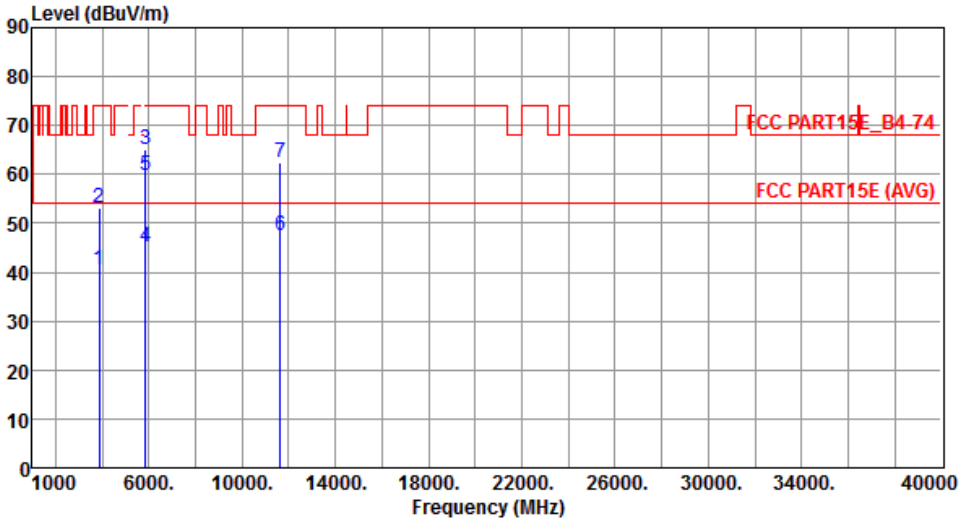
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.30	43.39	54.00	-10.61	42.13	1.26	Average	---	---
2	3883.30	56.25	74.00	-17.75	54.99	1.26	Peak	---	---
3	5850.00	77.14	78.20	-1.06	71.52	5.62	Peak	---	---
4	5860.00	48.65	54.00	-5.35	43.03	5.62	Average	---	---
5	5860.00	70.53	74.00	-3.47	64.91	5.62	Peak	---	---
6	11650.00	51.48	54.00	-2.52	37.09	14.39	Average	---	---
7	11650.00	67.36	74.00	-6.64	52.97	14.39	Peak	---	---

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

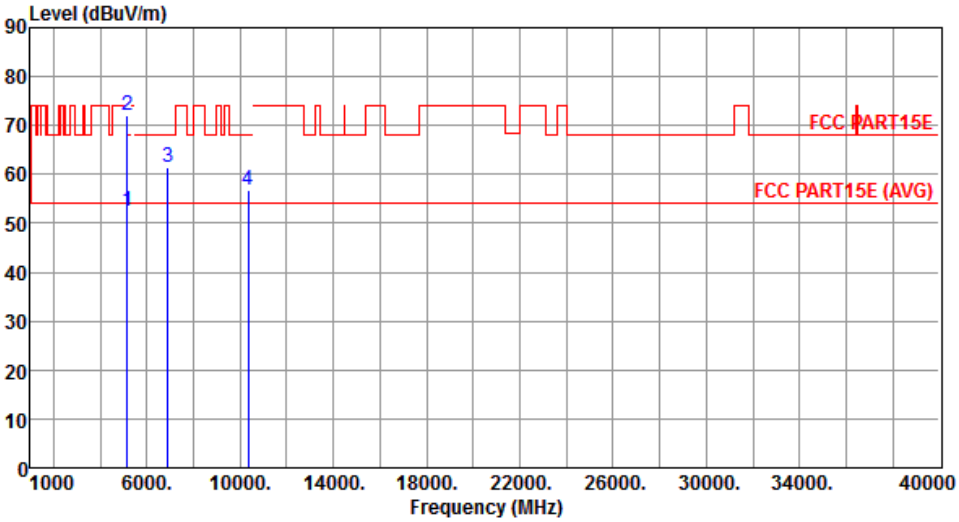
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.30	40.53	54.00	-13.47	39.27	1.26	Average	---	---
2	3883.30	53.24	74.00	-20.76	51.98	1.26	Peak	---	---
3	5850.00	65.24	78.20	-12.96	59.62	5.62	Peak	---	---
4	5860.00	45.25	54.00	-8.75	39.63	5.62	Average	---	---
5	5860.00	59.73	74.00	-14.27	54.11	5.62	Peak	---	---
6	11650.00	47.62	54.00	-6.38	33.23	14.39	Average	---	---
7	11650.00	62.27	74.00	-11.73	47.88	14.39	Peak	---	---

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

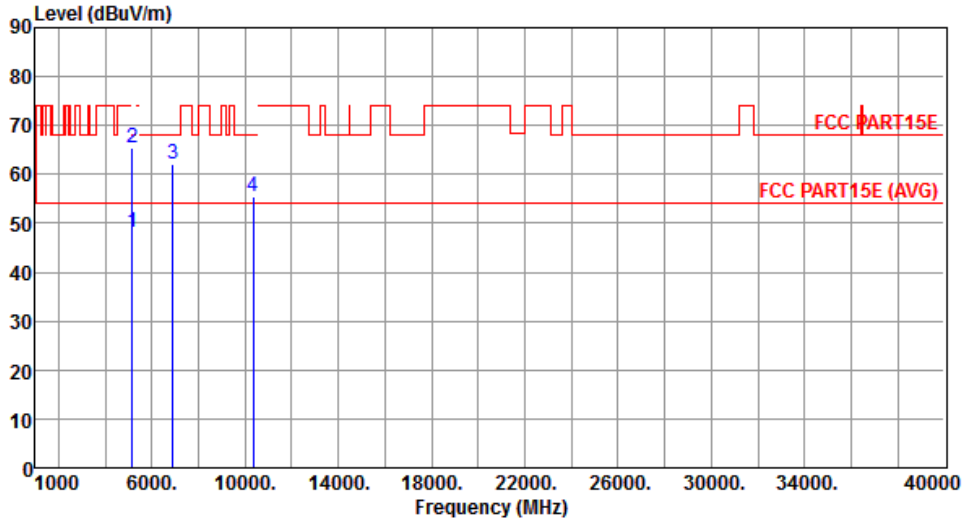
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.56	54.00	-1.44	47.00	5.56	Average	---	---
2	5150.00	72.12	74.00	-1.88	66.56	5.56	Peak	---	---
3	6906.70	61.33	68.20	-6.87	53.22	8.11	Peak	---	---
4	10360.00	56.89	68.20	-11.31	41.82	15.07	Peak	---	---

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

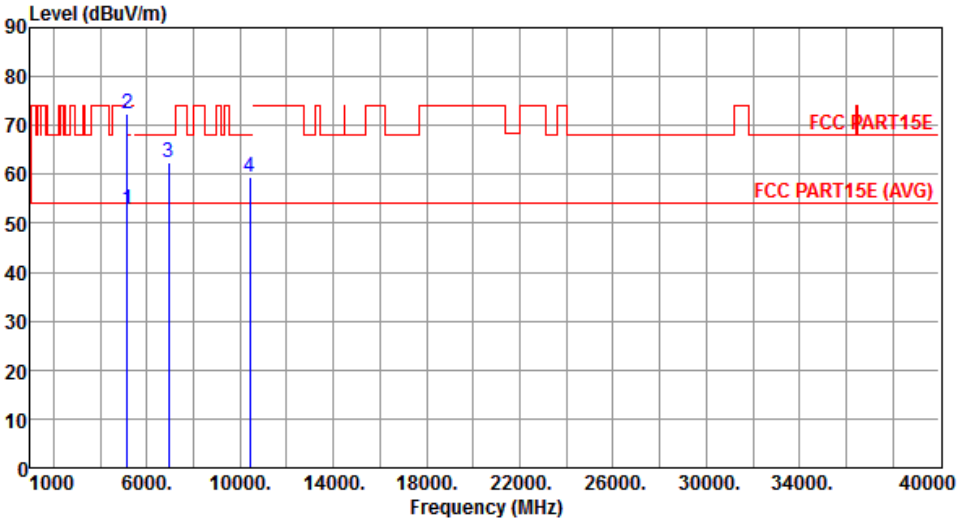
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.08	54.00	-5.92	42.52	5.56	Average	---	---
2	5150.00	65.48	74.00	-8.52	59.92	5.56	Peak	---	---
3	6906.70	62.12	68.20	-6.08	54.01	8.11	Peak	---	---
4	10360.00	55.37	68.20	-12.83	40.30	15.07	Peak	---	---

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

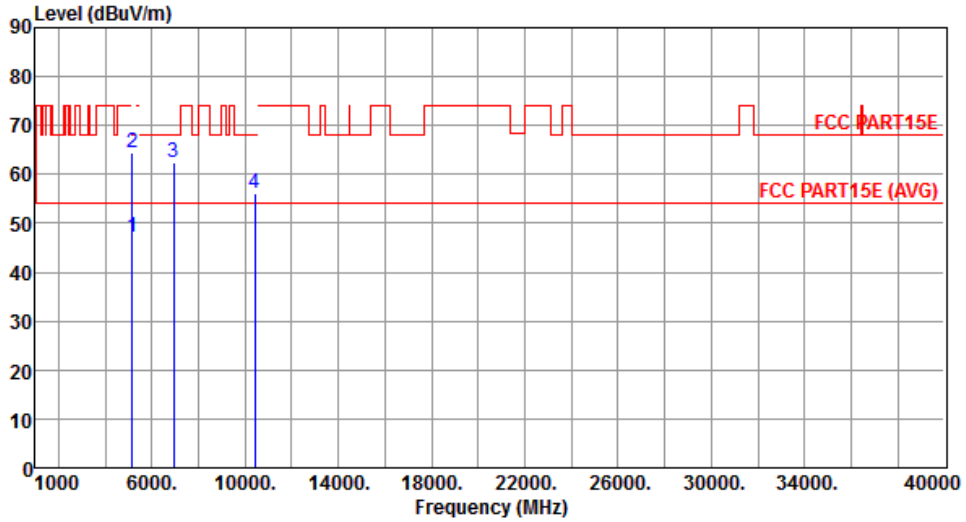
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.75	54.00	-1.25	47.19	5.56	Average	---	---
2	5150.00	72.31	74.00	-1.69	66.75	5.56	Peak	---	---
3	6933.30	62.43	68.20	-5.77	54.31	8.12	Peak	---	---
4	10400.00	59.45	68.20	-8.75	44.32	15.13	Peak	---	---

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

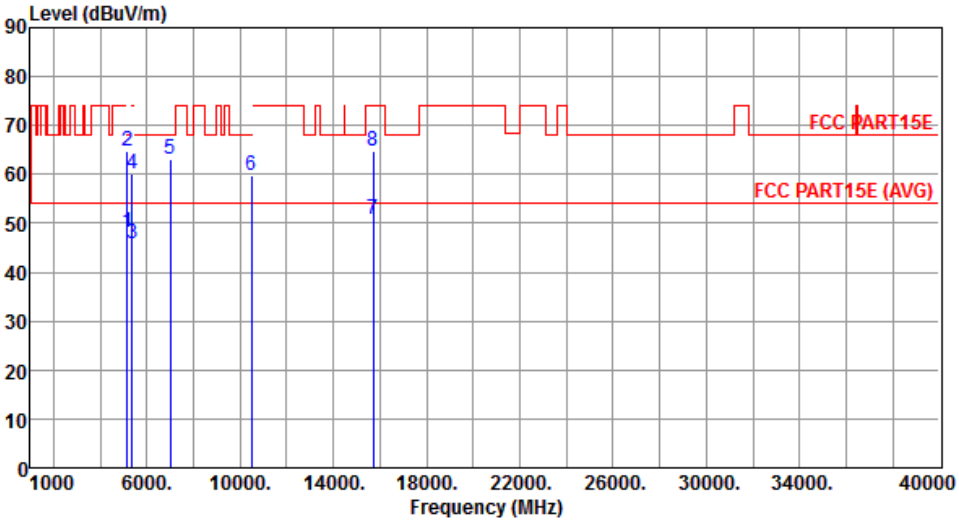
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.12	54.00	-6.88	41.56	5.56	Average	---	---
2	5150.00	64.54	74.00	-9.46	58.98	5.56	Peak	---	---
3	6933.30	62.49	68.20	-5.71	54.37	8.12	Peak	---	---
4	10400.00	56.00	68.20	-12.20	40.87	15.13	Peak	---	---

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

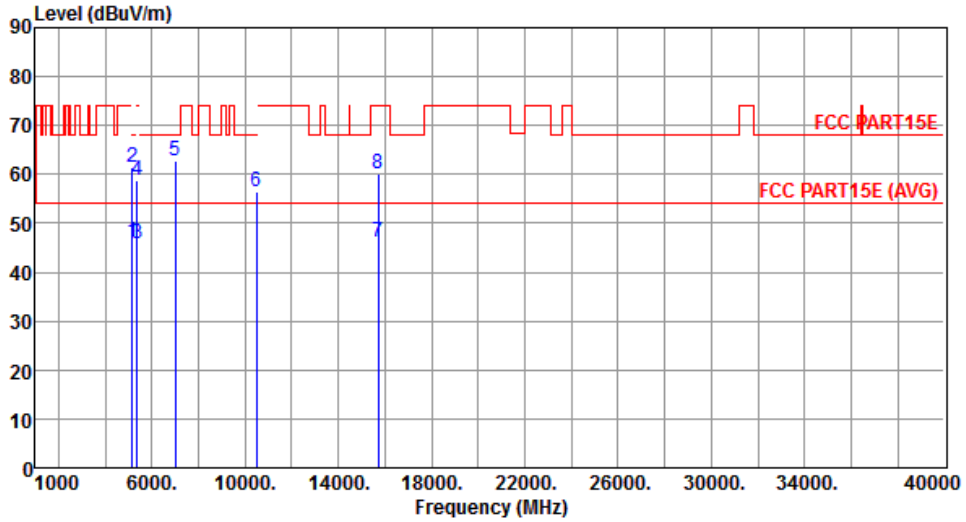
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.10	54.00	-5.90	42.54	5.56	Average	---	---
2	5150.00	64.86	74.00	-9.14	59.30	5.56	Peak	---	---
3	5350.00	45.97	54.00	-8.03	40.26	5.71	Average	---	---
4	5350.00	60.24	74.00	-13.76	54.53	5.71	Peak	---	---
5	6986.70	63.01	68.20	-5.19	54.87	8.14	Peak	---	---
6	10480.00	59.67	68.20	-8.53	44.43	15.24	Peak	---	---
7	15720.00	50.83	54.00	-3.17	36.57	14.26	Average	---	---
8	15720.00	64.72	74.00	-9.28	50.46	14.26	Peak	---	---

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

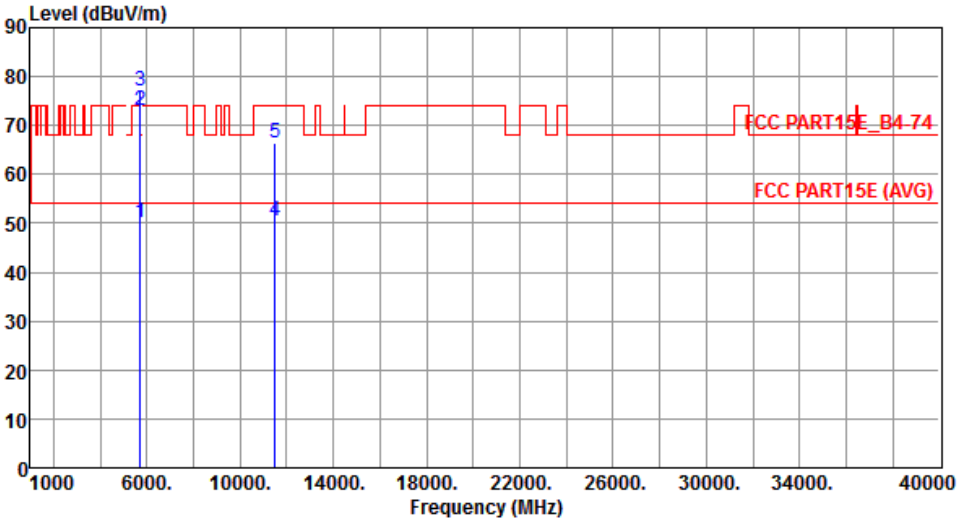
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.24	54.00	-7.76	40.68	5.56	Average	---	---
2	5150.00	61.59	74.00	-12.41	56.03	5.56	Peak	---	---
3	5350.00	45.87	54.00	-8.13	40.16	5.71	Average	---	---
4	5350.00	58.68	74.00	-15.32	52.97	5.71	Peak	---	---
5	6986.70	62.83	68.20	-5.37	54.69	8.14	Peak	---	---
6	10480.00	56.51	68.20	-11.69	41.27	15.24	Peak	---	---
7	15720.00	46.21	54.00	-7.79	31.95	14.26	Average	---	---
8	15720.00	59.95	74.00	-14.05	45.69	14.26	Peak	---	---

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

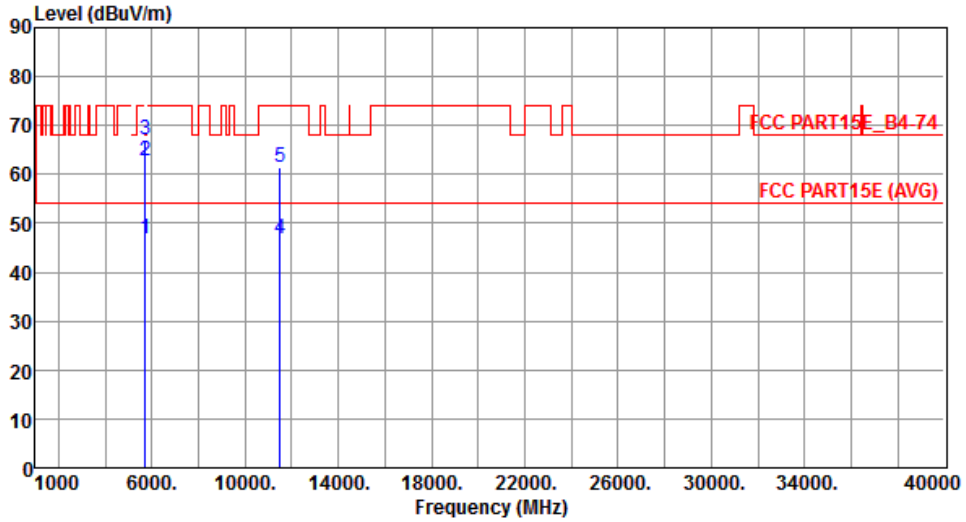
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	50.05	54.00	-3.95	44.47	5.58	Average	---	---
2	5715.00	73.00	74.00	-1.00	67.42	5.58	Peak	---	---
3	5725.00	77.00	78.20	-1.20	71.42	5.58	Peak	---	---
4	11490.00	50.56	54.00	-3.44	35.99	14.57	Average	---	---
5	11490.00	66.42	74.00	-7.58	51.85	14.57	Peak	---	---

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

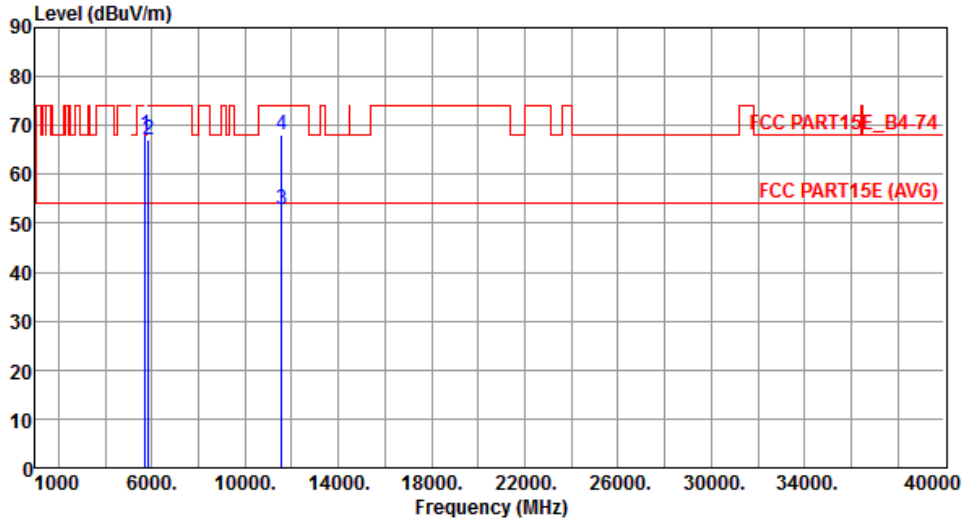
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.72	54.00	-7.28	41.14	5.58	Average	---	---
2	5715.00	62.68	74.00	-11.32	57.10	5.58	Peak	---	---
3	5725.00	67.15	78.20	-11.05	61.57	5.58	Peak	---	---
4	11490.00	46.81	54.00	-7.19	32.24	14.57	Average	---	---
5	11490.00	61.45	74.00	-12.55	46.88	14.57	Peak	---	---

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

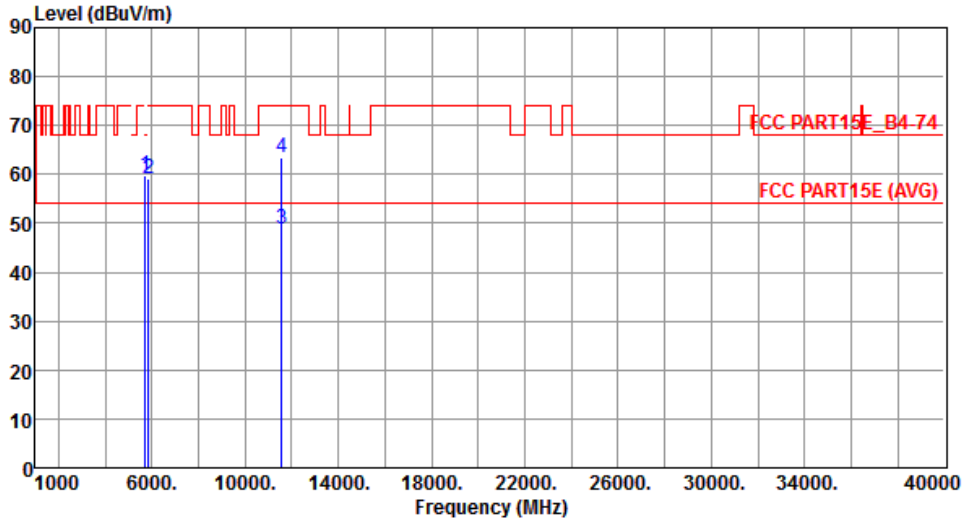
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	68.13	78.20	-10.07	62.55	5.58	Peak	---	---
2	5850.00	67.00	78.20	-11.20	61.38	5.62	Peak	---	---
3	11570.00	52.78	54.00	-1.22	38.29	14.49	Average	---	---
4	11570.00	68.00	74.00	-6.00	53.51	14.49	Peak	---	---

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

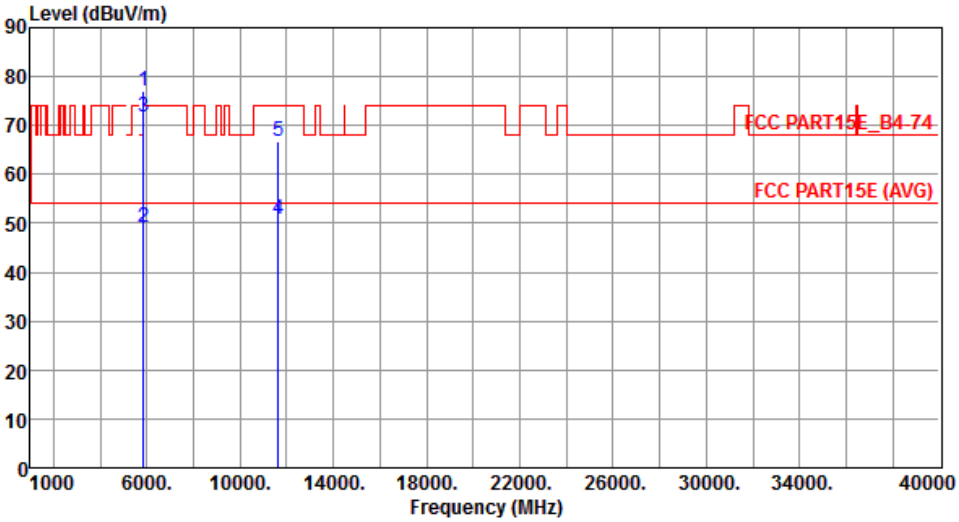
Modulation	VHT20	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	59.88	78.20	-18.32	54.30	5.58	Peak	---	---
2	5850.00	59.23	78.20	-18.97	53.61	5.62	Peak	---	---
3	11570.00	48.67	54.00	-5.33	34.18	14.49	Average	---	---
4	11570.00	63.55	74.00	-10.45	49.06	14.49	Peak	---	---

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

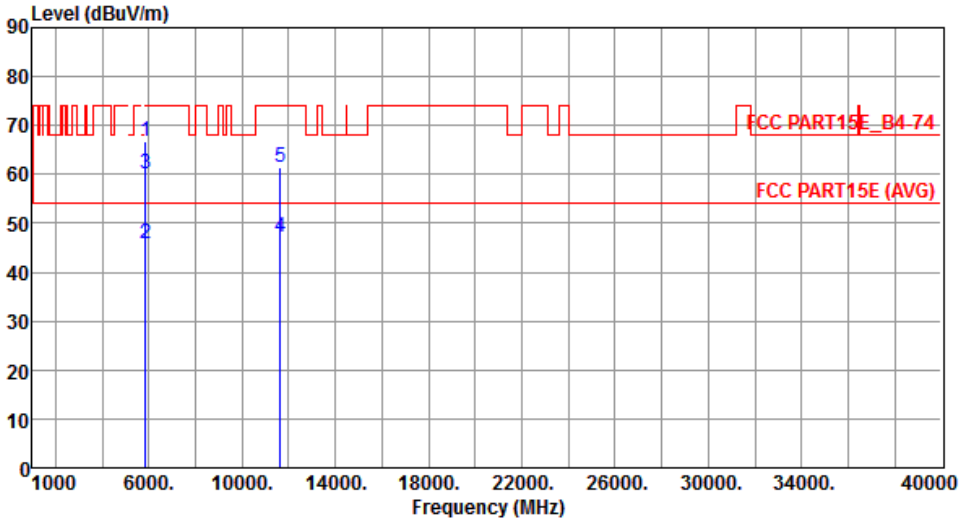
Modulation	VHT20	**Test Freq. (MHz)**	5825
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	77.20	78.20	-1.00	71.58	5.62	Peak	---	---
2	5860.00	49.17	54.00	-4.83	43.55	5.62	Average	---	---
3	5860.00	71.72	74.00	-2.28	66.10	5.62	Peak	---	---
4	11650.00	50.97	54.00	-3.03	36.58	14.39	Average	---	---
5	11650.00	66.84	74.00	-7.16	52.45	14.39	Peak	---	---

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

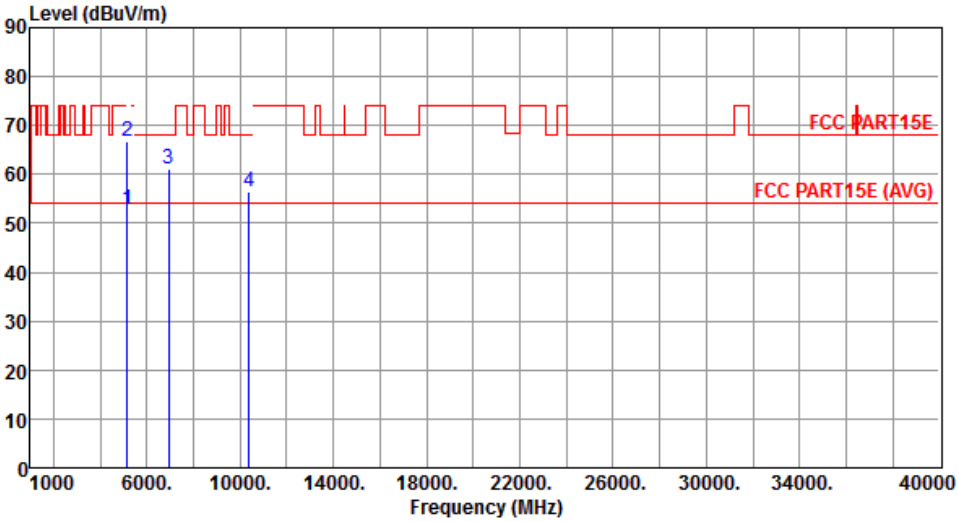
Modulation	VHT20	**Test Freq. (MHz)**	5825
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	66.81	78.20	-11.39	61.19	5.62	Peak	---	---
2	5860.00	45.79	54.00	-8.21	40.17	5.62	Average	---	---
3	5860.00	60.20	74.00	-13.80	54.58	5.62	Peak	---	---
4	11650.00	47.12	54.00	-6.88	32.73	14.39	Average	---	---
5	11650.00	61.57	74.00	-12.43	47.18	14.39	Peak	---	---

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

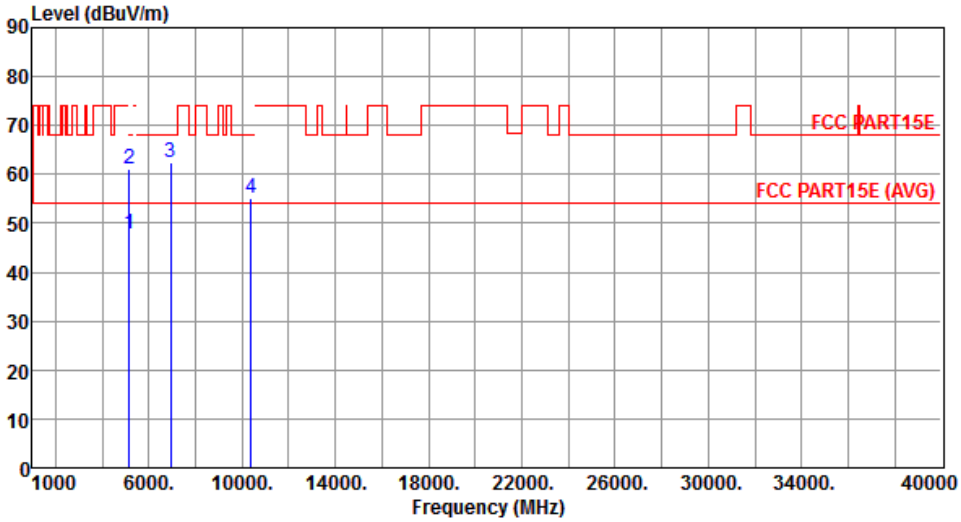
Modulation	VHT40	**Test Freq. (MHz)**	5190
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.76	54.00	-1.24	47.20	5.56	Average	---	---
2	5150.00	66.88	74.00	-7.12	61.32	5.56	Peak	---	---
3	6920.00	61.17	68.20	-7.03	53.06	8.11	Peak	---	---
4	10380.00	56.55	68.20	-11.65	41.44	15.11	Peak	---	---

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

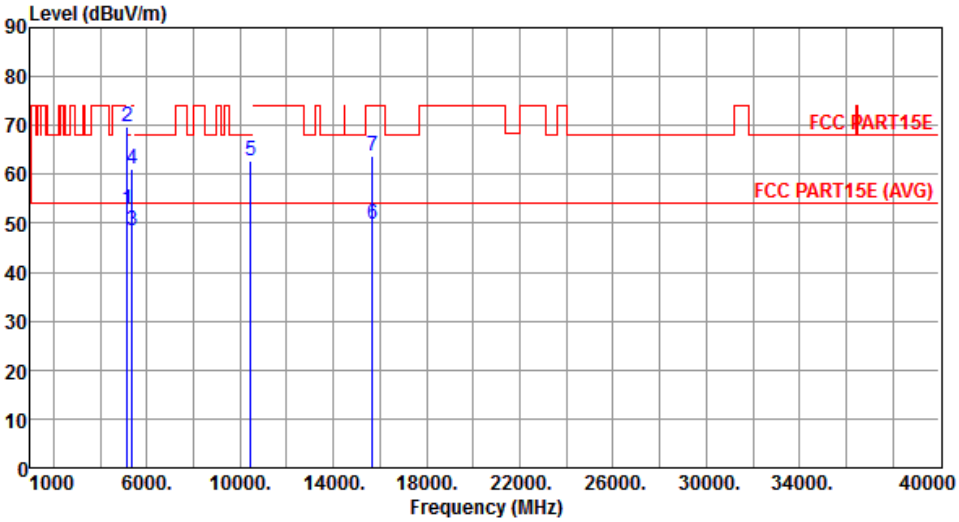
Modulation	VHT40	**Test Freq. (MHz)**	5190
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.67	54.00	-6.33	42.11	5.56	Average	---	---
2	5150.00	61.05	74.00	-12.95	55.49	5.56	Peak	---	---
3	6920.00	62.43	68.20	-5.77	54.32	8.11	Peak	---	---
4	10380.00	55.23	68.20	-12.97	40.12	15.11	Peak	---	---

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

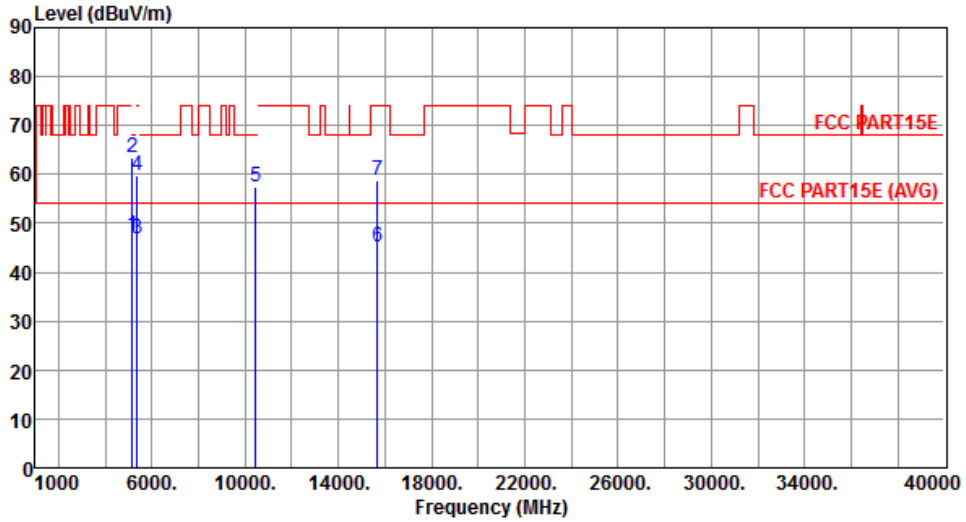
Modulation	VHT40	**Test Freq. (MHz)**	5230
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.86	54.00	-1.14	47.30	5.56	Average	---	---
2	5150.00	69.73	74.00	-4.27	64.17	5.56	Peak	---	---
3	5350.00	48.45	54.00	-5.55	42.74	5.71	Average	---	---
4	5350.00	61.19	74.00	-12.81	55.48	5.71	Peak	---	---
5	10460.00	62.62	68.20	-5.58	47.41	15.21	Peak	---	---
6	15690.00	49.86	54.00	-4.14	35.55	14.31	Average	---	---
7	15690.00	63.63	74.00	-10.37	49.32	14.31	Peak	---	---

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

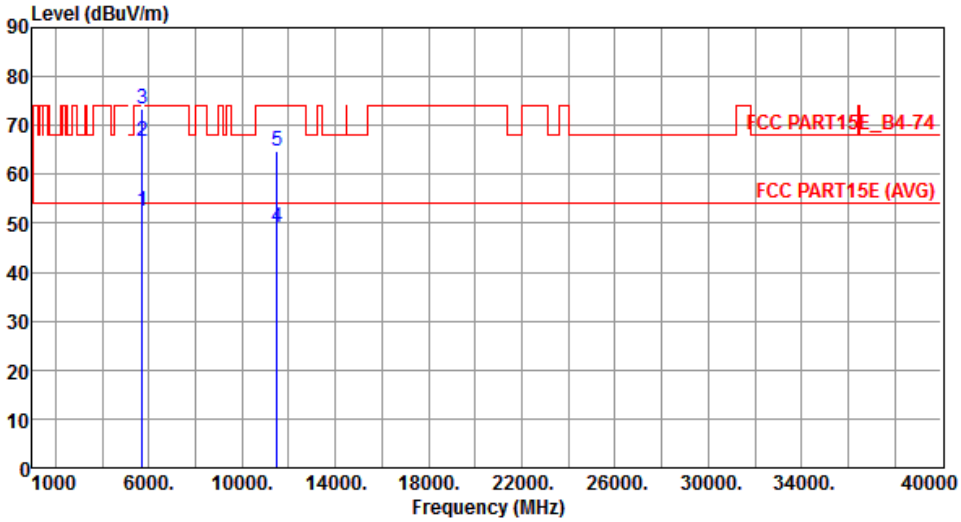
Modulation	VHT40	**Test Freq. (MHz)**	5230
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.60	54.00	-6.40	42.04	5.56	Average	---	---
2	5150.00	63.41	74.00	-10.59	57.85	5.56	Peak	---	---
3	5350.00	46.93	54.00	-7.07	41.22	5.71	Average	---	---
4	5350.00	59.92	74.00	-14.08	54.21	5.71	Peak	---	---
5	10460.00	57.34	68.20	-10.86	42.13	15.21	Peak	---	---
6	15690.00	45.13	54.00	-8.87	30.82	14.31	Average	---	---
7	15690.00	58.78	74.00	-15.22	44.47	14.31	Peak	---	---

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

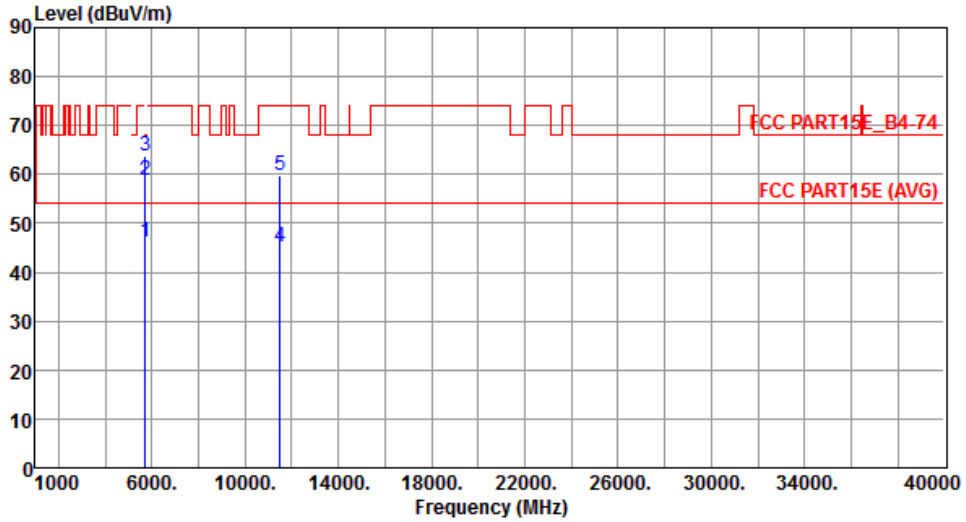
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.63	54.00	-1.37	47.05	5.58	Average	---	---
2	5715.00	66.69	74.00	-7.31	61.11	5.58	Peak	---	---
3	5725.00	73.51	78.20	-4.69	67.93	5.58	Peak	---	---
4	11510.00	49.23	54.00	-4.77	34.68	14.55	Average	---	---
5	11510.00	64.84	74.00	-9.16	50.29	14.55	Peak	---	---

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

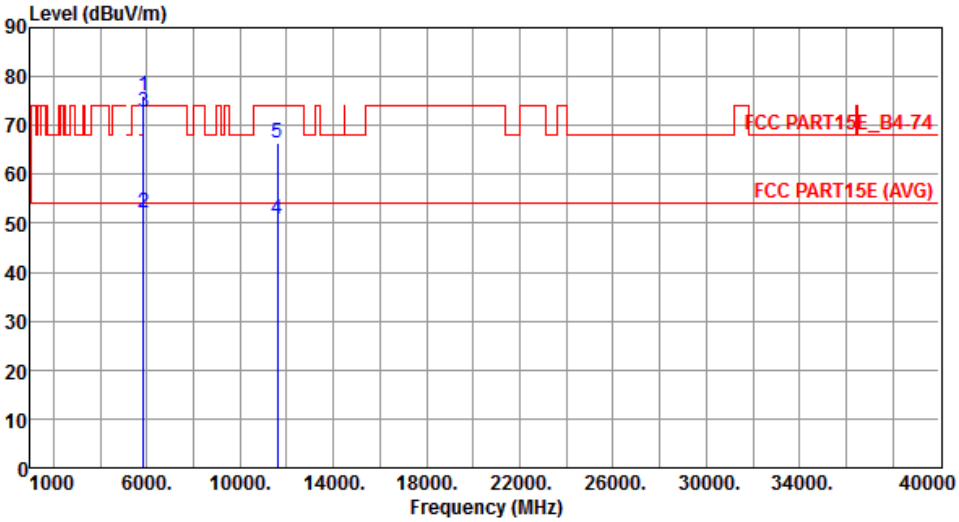
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.22	54.00	-7.78	40.64	5.58	Average	---	---
2	5715.00	58.73	74.00	-15.27	53.15	5.58	Peak	---	---
3	5725.00	63.91	78.20	-14.29	58.33	5.58	Peak	---	---
4	11510.00	45.02	54.00	-8.98	30.47	14.55	Average	---	---
5	11510.00	59.68	74.00	-14.32	45.13	14.55	Peak	---	---

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

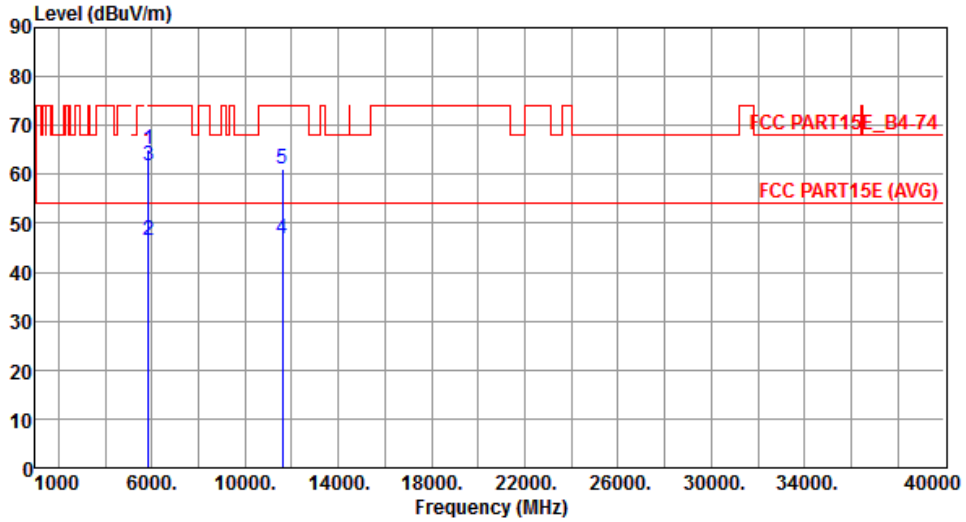
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	75.90	78.20	-2.30	70.28	5.62	Peak	---	---
2	5860.00	52.23	54.00	-1.77	46.61	5.62	Average	---	---
3	5860.00	72.73	74.00	-1.27	67.11	5.62	Peak	---	---
4	11590.00	50.73	54.00	-3.27	36.28	14.45	Average	---	---
5	11590.00	66.48	74.00	-7.52	52.03	14.45	Peak	---	---

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

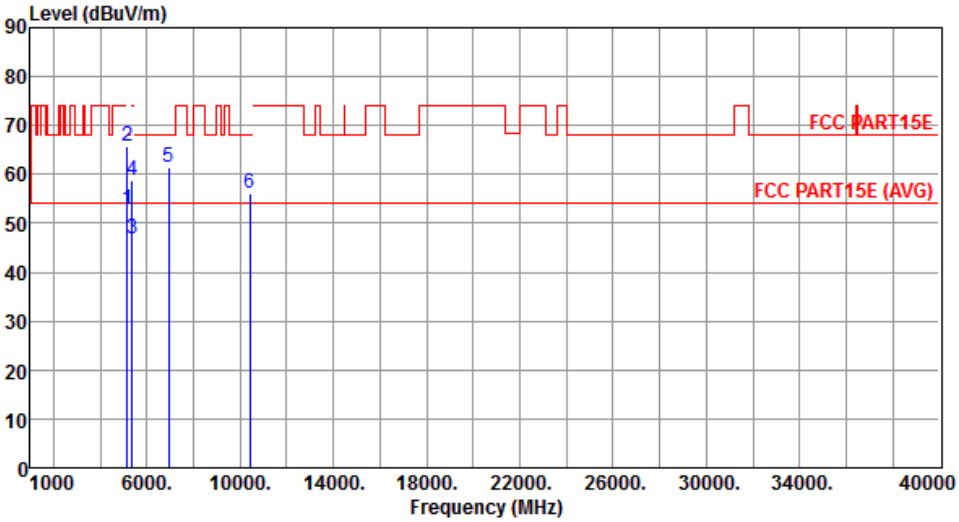
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	65.08	78.20	-13.12	59.46	5.62	Peak	---	---
2	5860.00	46.64	54.00	-7.36	41.02	5.62	Average	---	---
3	5860.00	61.62	74.00	-12.38	56.00	5.62	Peak	---	---
4	11590.00	46.90	54.00	-7.10	32.45	14.45	Average	---	---
5	11590.00	61.13	74.00	-12.87	46.68	14.45	Peak	---	---

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

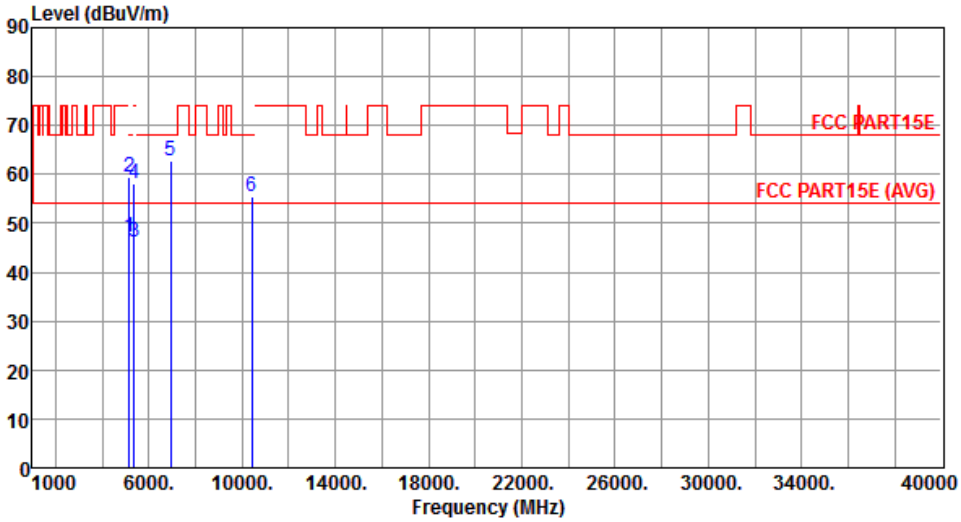
Modulation	VHT80	**Test Freq. (MHz)**	5210
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.92	54.00	-1.08	47.36	5.56	Average	---	---
2	5150.00	65.87	74.00	-8.13	60.31	5.56	Peak	---	---
3	5350.00	46.68	54.00	-7.32	40.97	5.71	Average	---	---
4	5350.00	58.71	74.00	-15.29	53.00	5.71	Peak	---	---
5	6946.70	61.43	68.20	-6.77	53.31	8.12	Peak	---	---
6	10420.00	56.24	68.20	-11.96	41.09	15.15	Peak	---	---

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

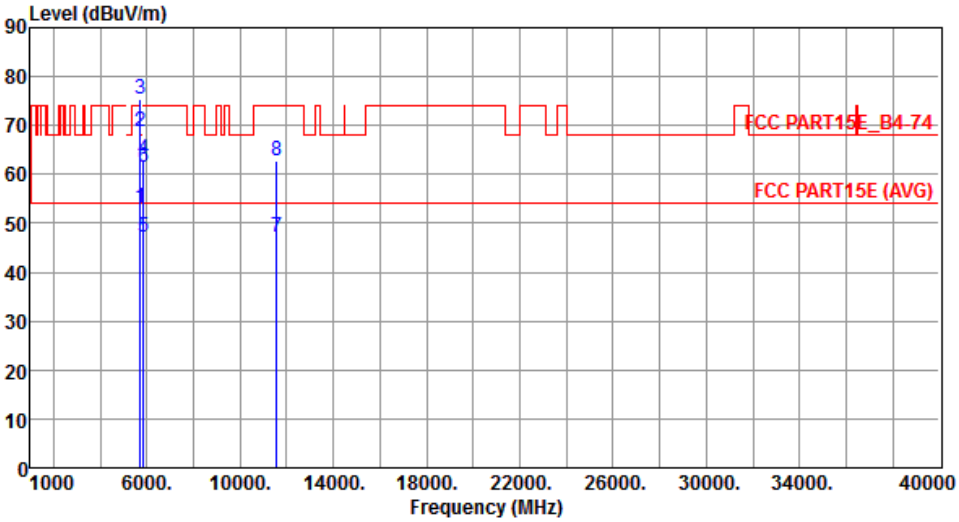
Modulation	VHT80	**Test Freq. (MHz)**	5210
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.14	54.00	-6.86	41.58	5.56	Average	---	---
2	5150.00	59.59	74.00	-14.41	54.03	5.56	Peak	---	---
3	5350.00	46.21	54.00	-7.79	40.50	5.71	Average	---	---
4	5350.00	57.96	74.00	-16.04	52.25	5.71	Peak	---	---
5	6946.70	62.78	68.20	-5.42	54.66	8.12	Peak	---	---
6	10420.00	55.48	68.20	-12.72	40.33	15.15	Peak	---	---

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

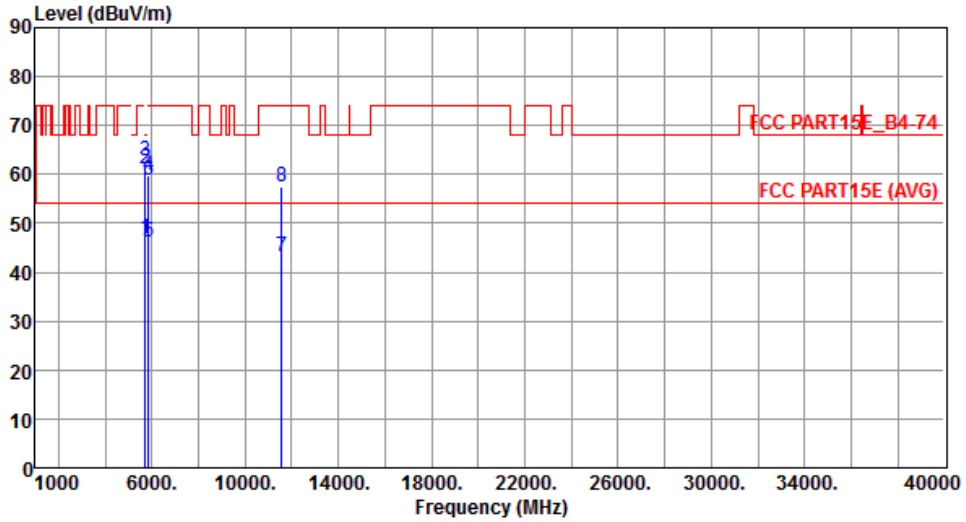
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	53.00	54.00	-1.00	47.42	5.58	Average	---	---
2	5715.00	68.78	74.00	-5.22	63.20	5.58	Peak	---	---
3	5725.00	75.35	78.20	-2.85	69.77	5.58	Peak	---	---
4	5850.00	63.07	78.20	-15.13	57.45	5.62	Peak	---	---
5	5860.00	47.27	54.00	-6.73	41.65	5.62	Average	---	---
6	5860.00	61.34	74.00	-12.66	55.72	5.62	Peak	---	---
7	11550.00	47.15	54.00	-6.85	32.65	14.50	Average	---	---
8	11550.00	62.75	74.00	-11.25	48.25	14.50	Peak	---	---

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

Modulation	VHT80	**Test Freq. (MHz)**	5775
Polarization	Vertical	**Test Configuration**	2

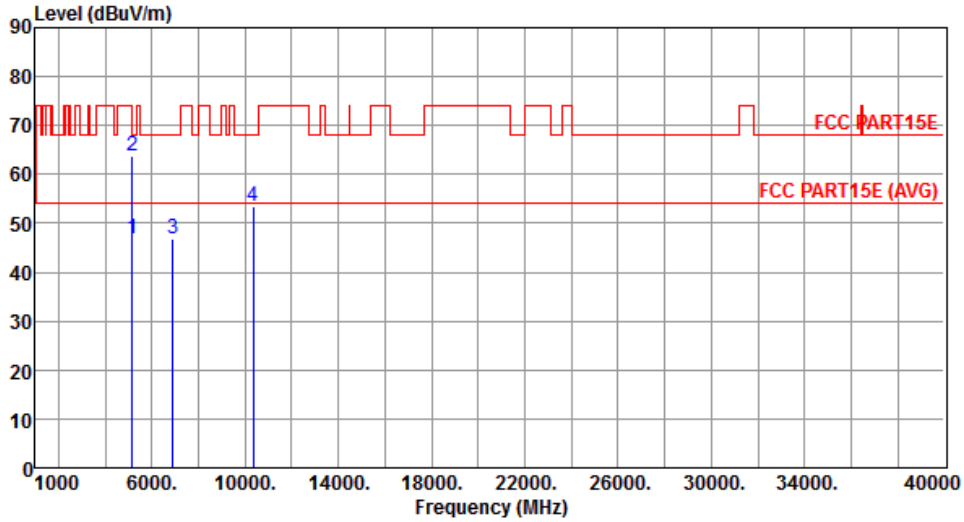


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.80	54.00	-7.20	41.22	5.58	Average	---	---
2	5715.00	61.24	74.00	-12.76	55.66	5.58	Peak	---	---
3	5725.00	62.86	78.20	-15.34	57.28	5.58	Peak	---	---
4	5850.00	59.81	78.20	-18.39	54.19	5.62	Peak	---	---
5	5860.00	46.21	54.00	-7.79	40.59	5.62	Average	---	---
6	5860.00	58.72	74.00	-15.28	53.10	5.62	Peak	---	---
7	11550.00	43.08	54.00	-10.92	28.58	14.50	Average	---	---
8	11550.00	57.36	74.00	-16.64	42.86	14.50	Peak	---	---

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

3.5.14 Transmitter Radiated Unwanted Emissions (Above 1GHz) (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

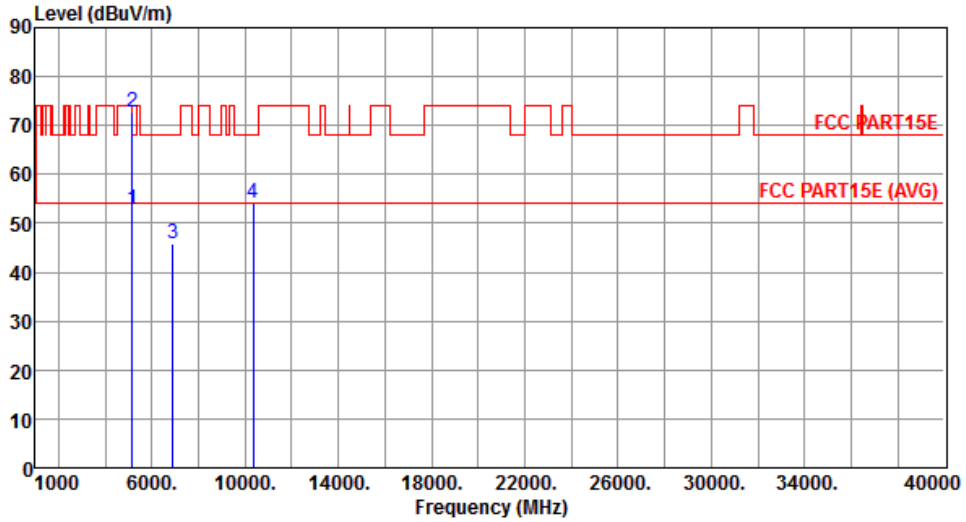
Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.89	54.00	-7.11	41.33	5.56	Average	---	---
2	5150.00	63.91	74.00	-10.09	58.35	5.56	Peak	---	---
3	6906.66	46.88	68.20	-21.32	38.77	8.11	Peak	---	---
4	10360.00	53.41	68.20	-14.79	38.34	15.07	Peak	---	---

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

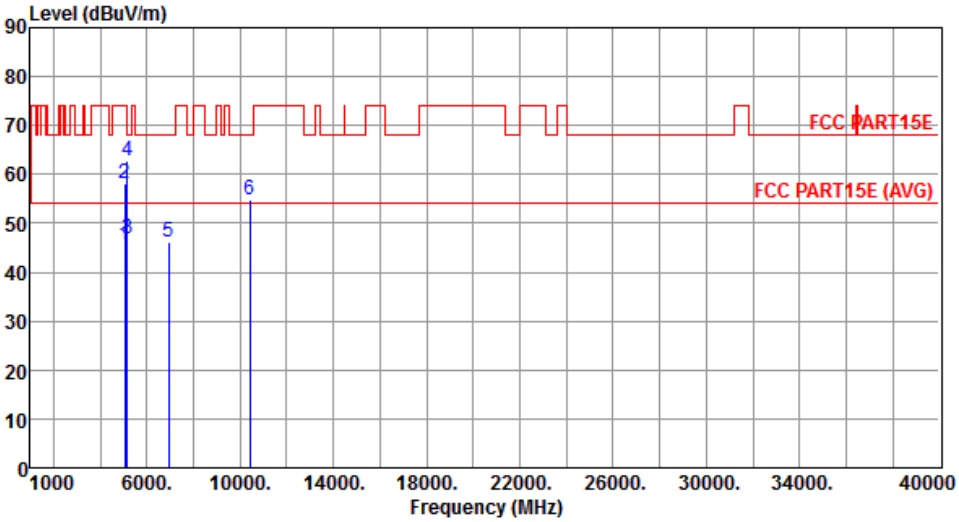
Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Vertical	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.69	54.00	-1.31	47.13	5.56	Average	---	---
2	5150.00	72.80	74.00	-1.20	67.24	5.56	Peak	---	---
3	6906.66	45.84	68.20	-22.36	37.73	8.11	Peak	---	---
4	10360.00	54.10	68.20	-14.10	39.03	15.07	Peak	---	---

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

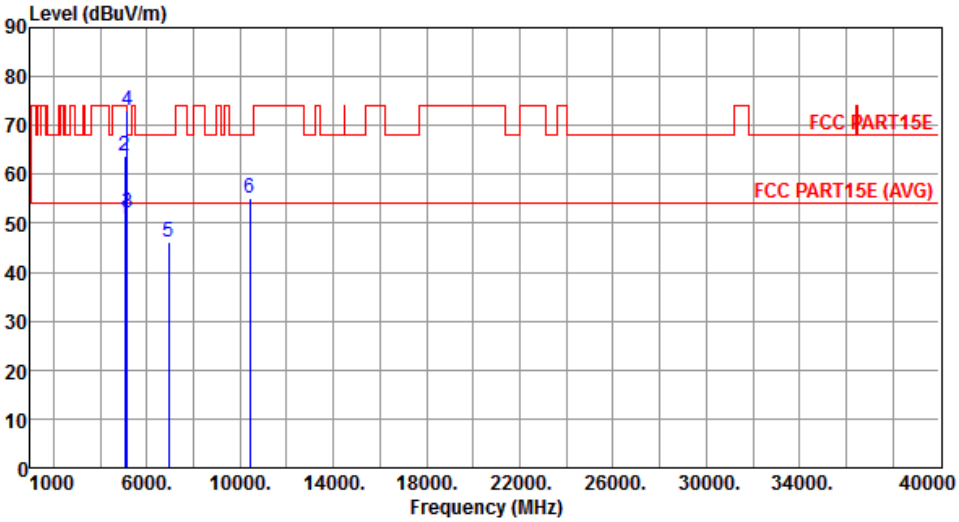
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5060.00	45.64	54.00	-8.36	40.19	5.45	Average	---	---
2	5060.00	58.05	74.00	-15.95	52.60	5.45	Peak	---	---
3	5150.00	46.74	54.00	-7.26	41.18	5.56	Average	---	---
4	5150.00	62.84	74.00	-11.16	57.28	5.56	Peak	---	---
5	6933.33	46.32	68.20	-21.88	38.20	8.12	Peak	---	---
6	10400.00	54.75	68.20	-13.45	39.62	15.13	Peak	---	---

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

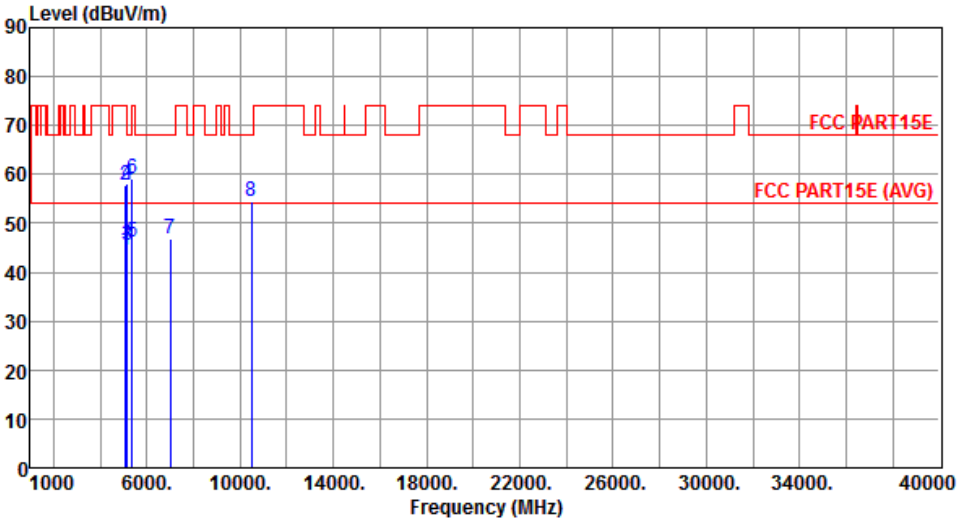
Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5060.00	50.86	54.00	-3.14	45.41	5.45	Average	---	---
2	5060.00	63.61	74.00	-10.39	58.16	5.45	Peak	---	---
3	5150.00	52.10	54.00	-1.90	46.54	5.56	Average	---	---
4	5150.00	72.93	74.00	-1.07	67.37	5.56	Peak	---	---
5	6933.33	46.19	68.20	-22.01	38.07	8.12	Peak	---	---
6	10400.00	55.20	68.20	-13.00	40.07	15.13	Peak	---	---

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

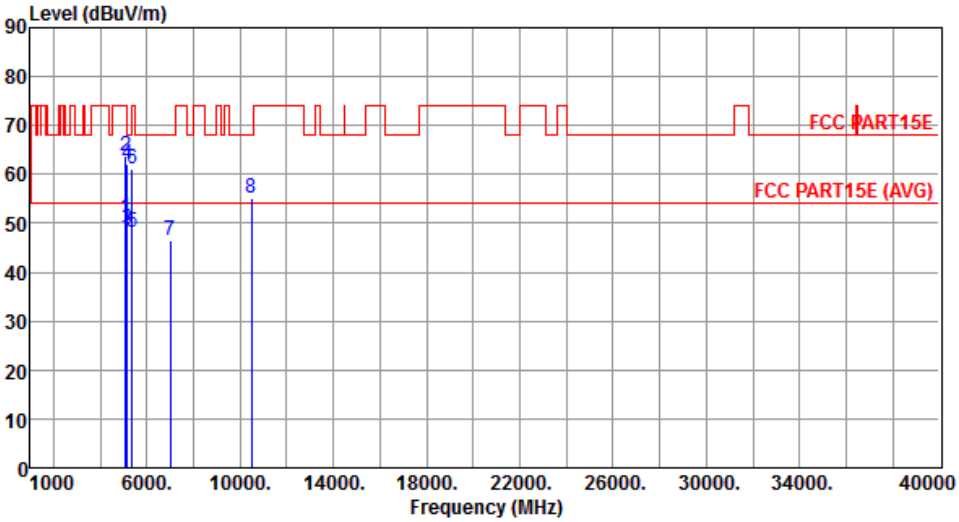
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	44.53	54.00	-9.47	39.06	5.47	Average	---	---
2	5080.00	57.86	74.00	-16.14	52.39	5.47	Peak	---	---
3	5150.00	45.43	54.00	-8.57	39.87	5.56	Average	---	---
4	5150.00	58.02	74.00	-15.98	52.46	5.56	Peak	---	---
5	5350.00	46.14	54.00	-7.86	40.43	5.71	Average	---	---
6	5350.00	59.25	74.00	-14.75	53.54	5.71	Peak	---	---
7	6986.66	46.94	68.20	-21.26	38.80	8.14	Peak	---	---
8	10480.00	54.51	68.20	-13.69	39.27	15.24	Peak	---	---

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

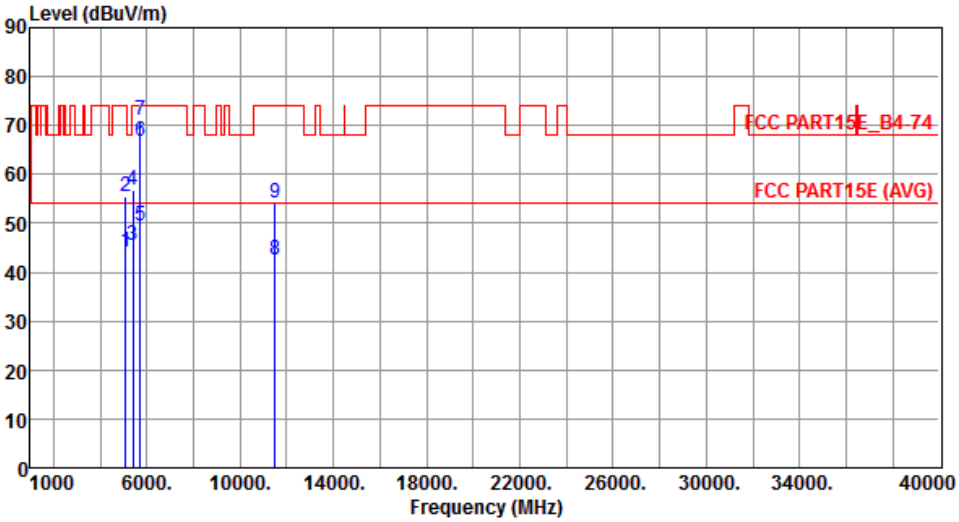
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	51.21	54.00	-2.79	45.74	5.47	Average	---	---
2	5080.00	63.70	74.00	-10.30	58.23	5.47	Peak	---	---
3	5150.00	48.81	54.00	-5.19	43.25	5.56	Average	---	---
4	5150.00	61.94	74.00	-12.06	56.38	5.56	Peak	---	---
5	5350.00	48.01	54.00	-5.99	42.30	5.71	Average	---	---
6	5350.00	61.12	74.00	-12.88	55.41	5.71	Peak	---	---
7	6986.66	46.35	68.20	-21.85	38.21	8.14	Peak	---	---
8	10480.00	55.15	68.20	-13.05	39.91	15.24	Peak	---	---

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

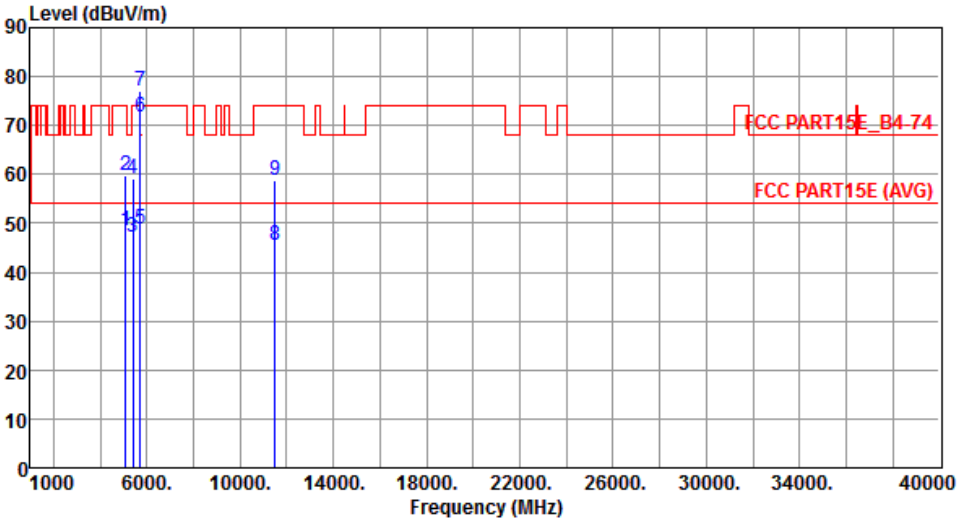
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5098.00	44.24	54.00	-9.76	38.75	5.49	Average	---	---
2	5098.00	55.54	74.00	-18.46	50.05	5.49	Peak	---	---
3	5418.00	45.34	54.00	-8.66	39.62	5.72	Average	---	---
4	5418.00	56.83	74.00	-17.17	51.11	5.72	Peak	---	---
5	5715.00	49.40	54.00	-4.60	43.82	5.58	Average	---	---
6	5715.00	66.72	74.00	-7.28	61.14	5.58	Peak	---	---
7	5725.00	71.04	78.20	-7.16	65.46	5.58	Peak	---	---
8	11490.00	42.61	54.00	-11.39	28.04	14.57	Average	---	---
9	11490.00	54.28	74.00	-19.72	39.71	14.57	Peak	---	---

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

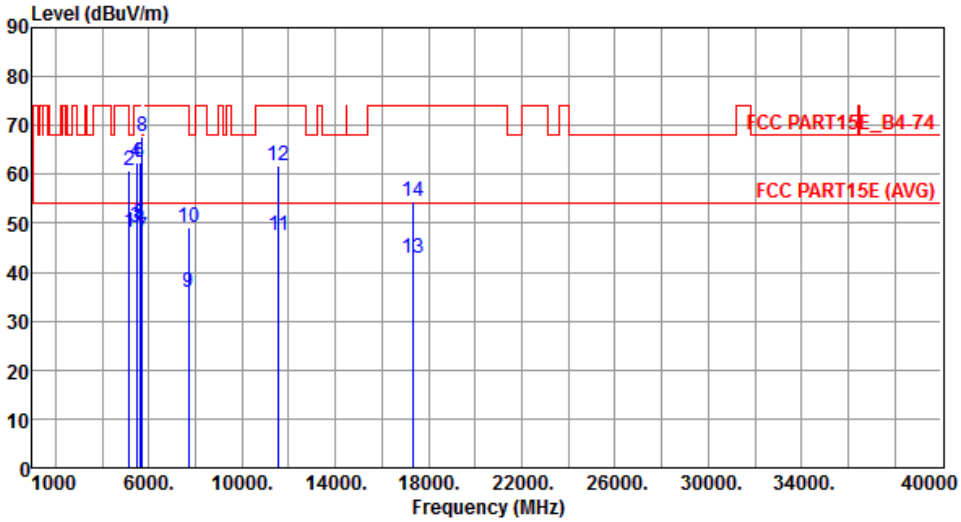
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5098.00	48.38	54.00	-5.62	42.89	5.49	Average	---	---
2	5098.00	59.85	74.00	-14.15	54.36	5.49	Peak	---	---
3	5418.00	47.06	54.00	-6.94	41.34	5.72	Average	---	---
4	5418.00	59.21	74.00	-14.79	53.49	5.72	Peak	---	---
5	5715.00	48.79	54.00	-5.21	43.21	5.58	Average	---	---
6	5715.00	71.75	74.00	-2.25	66.17	5.58	Peak	---	---
7	5725.00	76.89	78.20	-1.31	71.31	5.58	Peak	---	---
8	11490.00	45.54	54.00	-8.46	30.97	14.57	Average	---	---
9	11490.00	58.74	74.00	-15.26	44.17	14.57	Peak	---	---

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

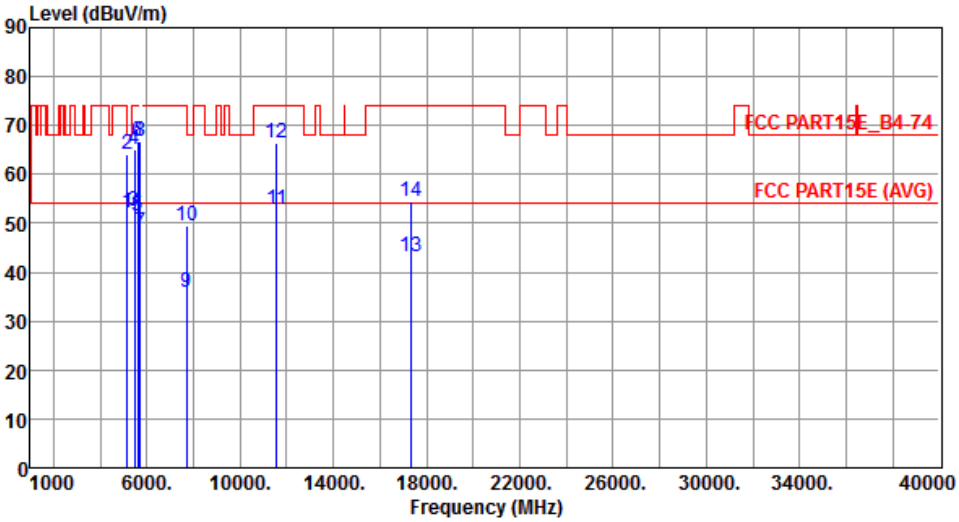
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	48.01	54.00	-5.99	42.46	5.55	Average	---	---
2	5141.00	60.86	74.00	-13.14	55.31	5.55	Peak	---	---
3	5457.00	49.26	54.00	-4.74	43.59	5.67	Average	---	---
4	5457.00	62.28	74.00	-11.72	56.61	5.67	Peak	---	---
5	5621.00	49.76	54.00	-4.24	44.19	5.57	Average	---	---
6	5621.00	62.44	74.00	-11.56	56.87	5.57	Peak	---	---
7	5715.00	47.30	54.00	-6.70	41.72	5.58	Average	---	---
8	5715.00	67.75	74.00	-6.25	62.17	5.58	Peak	---	---
9	7713.33	35.94	54.00	-18.06	25.75	10.19	Average	---	---
10	7713.33	49.07	74.00	-24.93	38.88	10.19	Peak	---	---
11	11570.00	47.61	54.00	-6.39	33.12	14.49	Average	---	---
12	11570.00	61.67	74.00	-12.33	47.18	14.49	Peak	---	---
13	17355.00	42.79	54.00	-11.21	24.04	18.75	Average	---	---
14	17355.00	54.33	74.00	-19.67	35.58	18.75	Peak	---	---

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

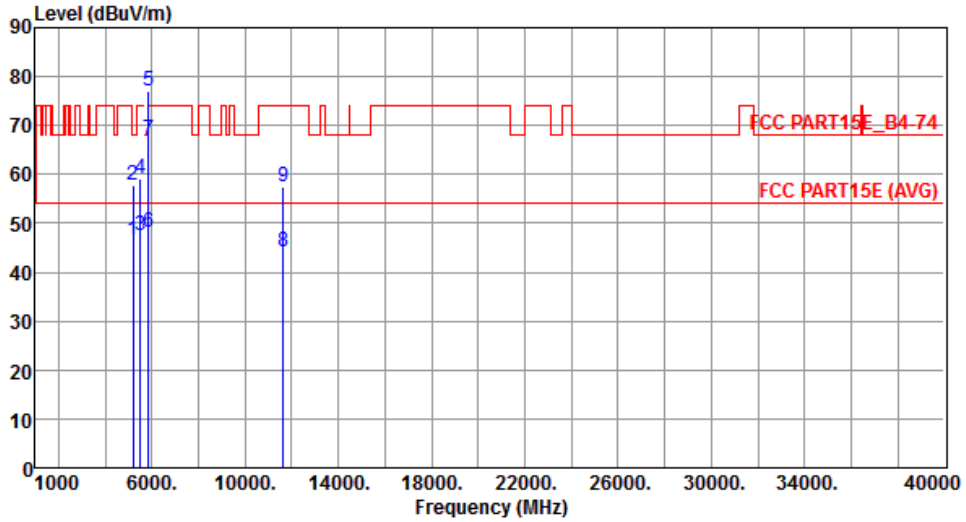
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	52.05	54.00	-1.95	46.50	5.55	Average	---	---
2	5141.00	64.19	74.00	-9.81	58.64	5.55	Peak	---	---
3	5457.00	52.43	54.00	-1.57	46.76	5.67	Average	---	---
4	5457.00	65.00	74.00	-9.00	59.33	5.67	Peak	---	---
5	5621.00	51.62	54.00	-2.38	46.05	5.57	Average	---	---
6	5621.00	66.68	74.00	-7.32	61.11	5.57	Peak	---	---
7	5715.00	48.16	54.00	-5.84	42.58	5.58	Average	---	---
8	5715.00	66.86	74.00	-7.14	61.28	5.58	Peak	---	---
9	7713.33	35.90	54.00	-18.10	25.71	10.19	Average	---	---
10	7713.33	49.40	74.00	-24.60	39.21	10.19	Peak	---	---
11	11570.00	52.76	54.00	-1.24	38.27	14.49	Average	---	---
12	11570.00	66.40	74.00	-7.60	51.91	14.49	Peak	---	---
13	17355.00	43.11	54.00	-10.89	24.36	18.75	Average	---	---
14	17355.00	54.52	74.00	-19.48	35.77	18.75	Peak	---	---

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

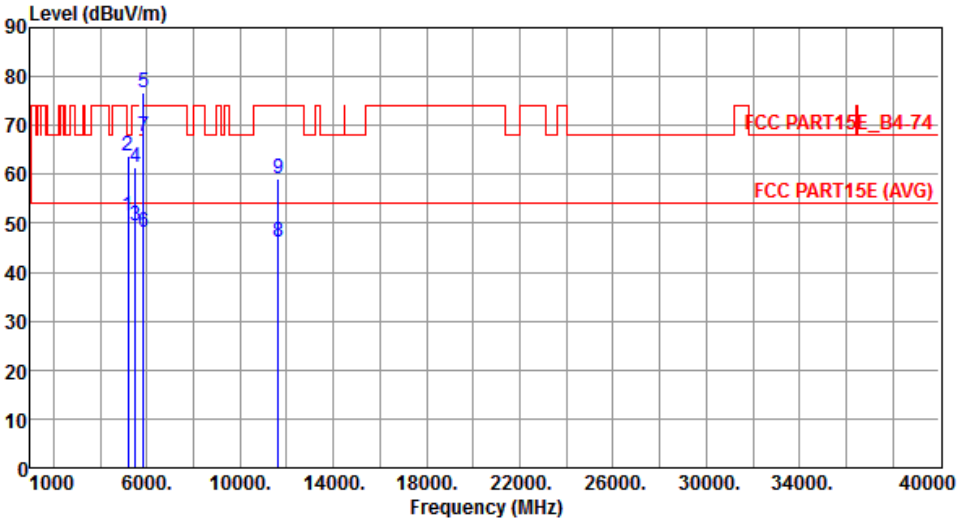
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5187.00	46.41	54.00	-7.59	40.80	5.61	Average	---	---
2	5187.00	57.94	68.20	-10.26	52.33	5.61	Peak	---	---
3	5500.00	47.61	54.00	-6.39	41.98	5.63	Average	---	---
4	5500.00	59.18	74.00	-14.82	53.55	5.63	Peak	---	---
5	5850.00	76.91	78.20	-1.29	71.29	5.62	Peak	---	---
6	5860.00	48.11	54.00	-5.89	42.49	5.62	Average	---	---
7	5860.00	67.06	74.00	-6.94	61.44	5.62	Peak	---	---
8	11650.00	44.12	54.00	-9.88	29.73	14.39	Average	---	---
9	11650.00	57.39	74.00	-16.61	43.00	14.39	Peak	---	---

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

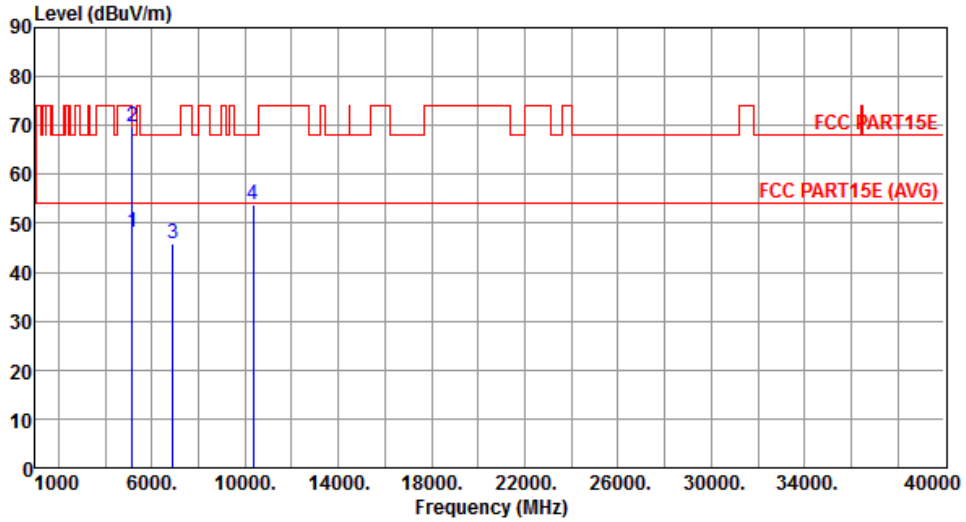
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5187.00	51.41	54.00	-2.59	45.80	5.61	Average	---	---
2	5187.00	63.92	68.20	-4.28	58.31	5.61	Peak	---	---
3	5500.00	49.61	54.00	-4.39	43.98	5.63	Average	---	---
4	5500.00	61.45	74.00	-12.55	55.82	5.63	Peak	---	---
5	5850.00	76.79	78.20	-1.41	71.17	5.62	Peak	---	---
6	5860.00	48.03	54.00	-5.97	42.41	5.62	Average	---	---
7	5860.00	67.70	74.00	-6.30	62.08	5.62	Peak	---	---
8	11650.00	46.02	54.00	-7.98	31.63	14.39	Average	---	---
9	11650.00	59.27	74.00	-14.73	44.88	14.39	Peak	---	---

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

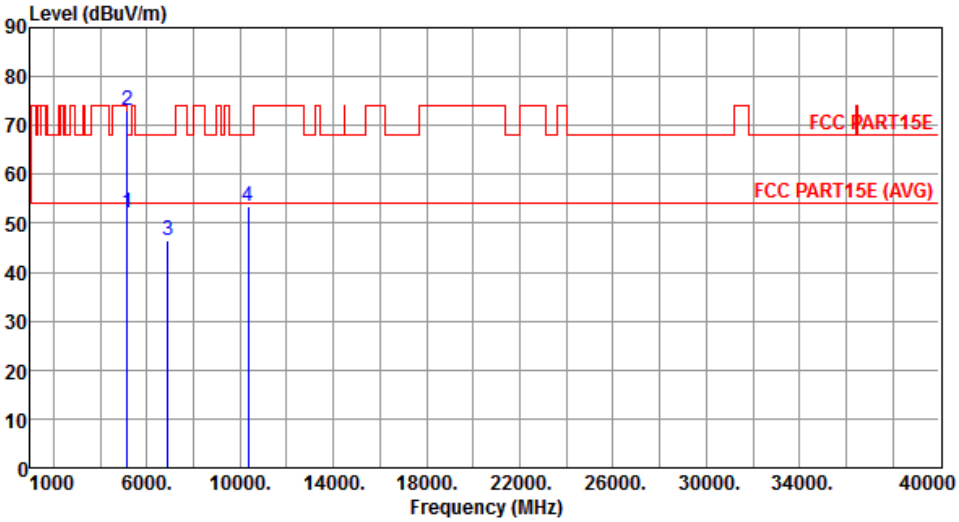
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	48.04	54.00	-5.96	42.48	5.56	Average	---	---
2	5150.00	69.67	74.00	-4.33	64.11	5.56	Peak	---	---
3	6906.66	45.93	68.20	-22.27	37.82	8.11	Peak	---	---
4	10360.00	53.90	68.20	-14.30	38.83	15.07	Peak	---	---

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

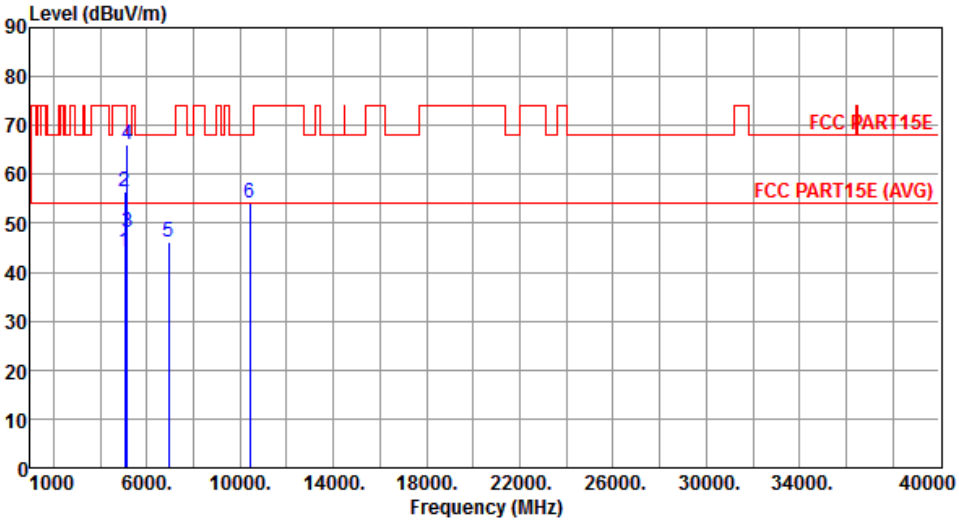
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.26	54.00	-1.74	46.70	5.56	Average	---	---
2	5150.00	72.95	74.00	-1.05	67.39	5.56	Peak	---	---
3	6906.66	46.35	68.20	-21.85	38.24	8.11	Peak	---	---
4	10360.00	53.59	68.20	-14.61	38.52	15.07	Peak	---	---

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

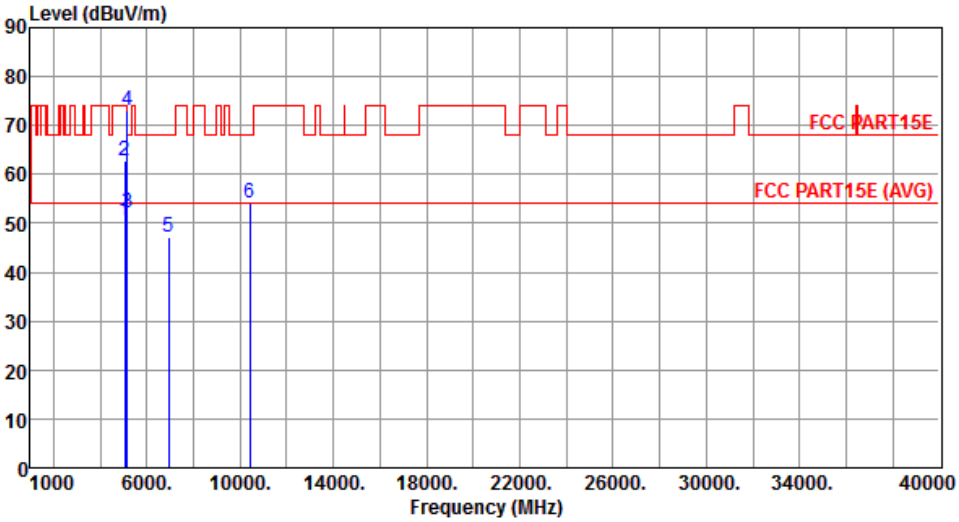
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5060.00	44.31	54.00	-9.69	38.86	5.45	Average	---	---
2	5060.00	56.34	74.00	-17.66	50.89	5.45	Peak	---	---
3	5150.00	48.27	54.00	-5.73	42.71	5.56	Average	---	---
4	5150.00	66.05	74.00	-7.95	60.49	5.56	Peak	---	---
5	6933.33	46.31	68.20	-21.89	38.19	8.12	Peak	---	---
6	10400.00	54.03	68.20	-14.17	38.90	15.13	Peak	---	---

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

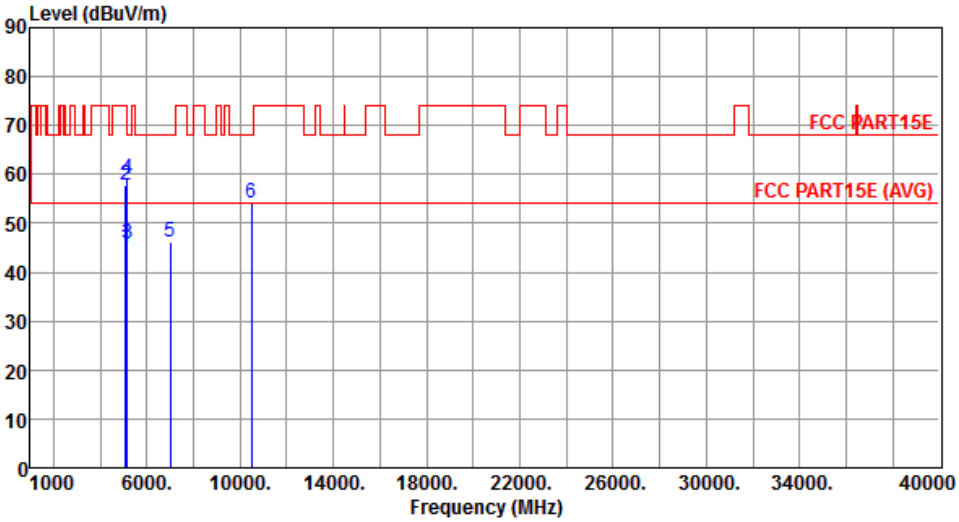
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5060.00	50.47	54.00	-3.53	45.02	5.45	Average	---	---
2	5060.00	62.68	74.00	-11.32	57.23	5.45	Peak	---	---
3	5150.00	52.27	54.00	-1.73	46.71	5.56	Average	---	---
4	5150.00	72.96	74.00	-1.04	67.40	5.56	Peak	---	---
5	6933.33	47.28	68.20	-20.92	39.16	8.12	Peak	---	---
6	10400.00	54.24	68.20	-13.96	39.11	15.13	Peak	---	---

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

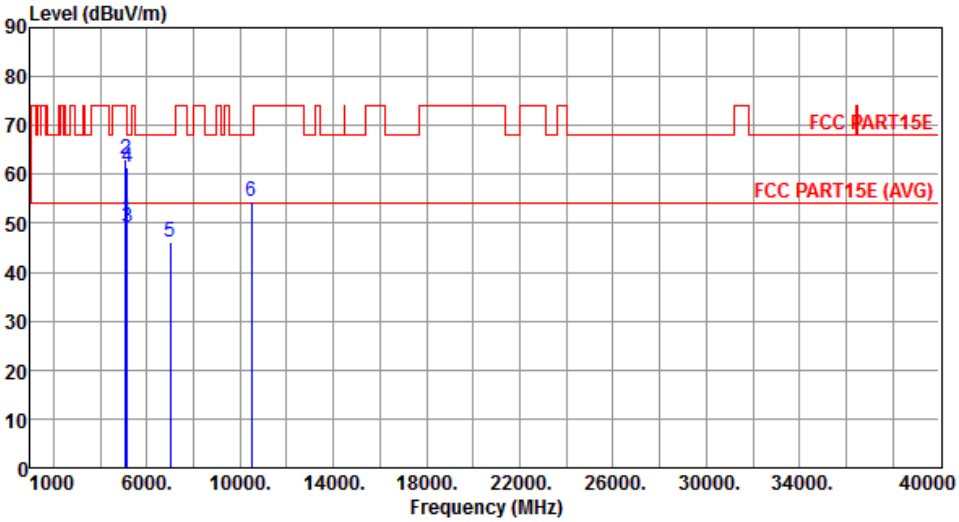
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	45.26	54.00	-8.74	39.79	5.47	Average	---	---
2	5080.00	57.65	74.00	-16.35	52.18	5.47	Peak	---	---
3	5150.00	45.75	54.00	-8.25	40.19	5.56	Average	---	---
4	5150.00	59.07	74.00	-14.93	53.51	5.56	Peak	---	---
5	6986.66	46.21	68.20	-21.99	38.07	8.14	Peak	---	---
6	10480.00	54.18	68.20	-14.02	38.94	15.24	Peak	---	---

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

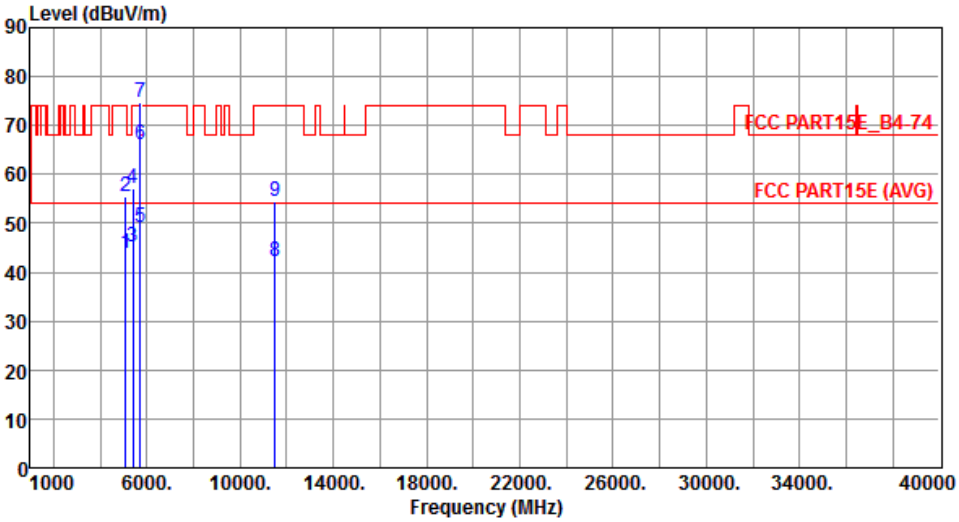
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	50.98	54.00	-3.02	45.51	5.47	Average	---	---
2	5080.00	63.09	74.00	-10.91	57.62	5.47	Peak	---	---
3	5150.00	49.30	54.00	-4.70	43.74	5.56	Average	---	---
4	5150.00	61.42	74.00	-12.58	55.86	5.56	Peak	---	---
5	6986.66	46.24	68.20	-21.96	38.10	8.14	Peak	---	---
6	10480.00	54.48	68.20	-13.72	39.24	15.24	Peak	---	---

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

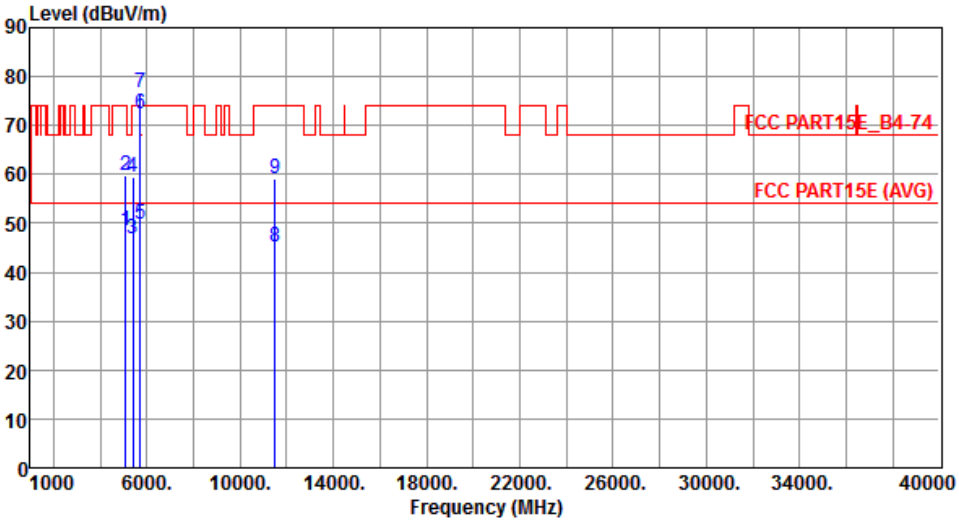
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5098.00	43.95	54.00	-10.05	38.46	5.49	Average	---	---
2	5098.00	55.62	74.00	-18.38	50.13	5.49	Peak	---	---
3	5418.00	45.07	54.00	-8.93	39.35	5.72	Average	---	---
4	5418.00	57.19	74.00	-16.81	51.47	5.72	Peak	---	---
5	5715.00	49.10	54.00	-4.90	43.52	5.58	Average	---	---
6	5715.00	66.19	74.00	-7.81	60.61	5.58	Peak	---	---
7	5725.00	74.81	78.20	-3.39	69.23	5.58	Peak	---	---
8	11490.00	42.10	54.00	-11.90	27.53	14.57	Average	---	---
9	11490.00	54.63	74.00	-19.37	40.06	14.57	Peak	---	---

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

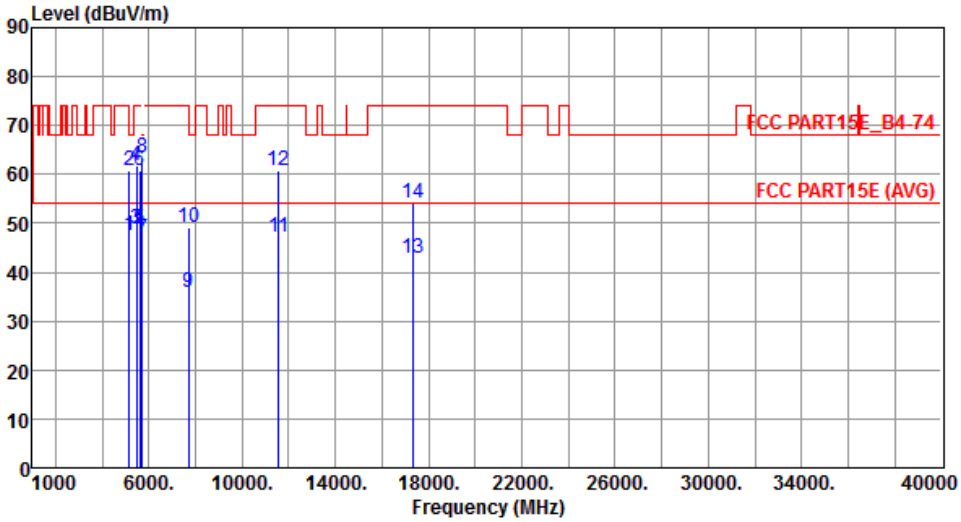
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5098.00	48.51	54.00	-5.49	43.02	5.49	Average	---	---
2	5098.00	59.90	74.00	-14.10	54.41	5.49	Peak	---	---
3	5418.00	46.98	54.00	-7.02	41.26	5.72	Average	---	---
4	5418.00	59.53	74.00	-14.47	53.81	5.72	Peak	---	---
5	5715.00	49.76	54.00	-4.24	44.18	5.58	Average	---	---
6	5715.00	72.30	74.00	-1.70	66.72	5.58	Peak	---	---
7	5725.00	76.62	78.20	-1.58	71.04	5.58	Peak	---	---
8	11490.00	45.31	54.00	-8.69	30.74	14.57	Average	---	---
9	11490.00	59.02	74.00	-14.98	44.45	14.57	Peak	---	---

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

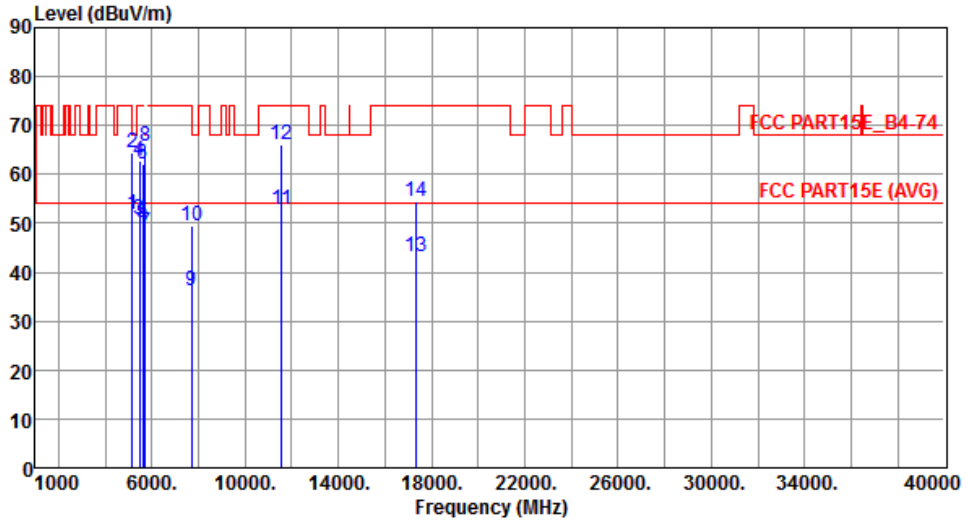
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	47.42	54.00	-6.58	41.87	5.55	Average	---	---
2	5141.00	60.80	74.00	-13.20	55.25	5.55	Peak	---	---
3	5457.00	48.79	54.00	-5.21	43.12	5.67	Average	---	---
4	5457.00	61.77	74.00	-12.23	56.10	5.67	Peak	---	---
5	5621.00	48.83	54.00	-5.17	43.26	5.57	Average	---	---
6	5621.00	60.87	74.00	-13.13	55.30	5.57	Peak	---	---
7	5715.00	46.71	54.00	-7.29	41.13	5.58	Average	---	---
8	5715.00	63.37	74.00	-10.63	57.79	5.58	Peak	---	---
9	7713.33	35.85	54.00	-18.15	25.66	10.19	Average	---	---
10	7713.33	49.18	74.00	-24.82	38.99	10.19	Peak	---	---
11	11570.00	47.16	54.00	-6.84	32.67	14.49	Average	---	---
12	11570.00	60.84	74.00	-13.16	46.35	14.49	Peak	---	---
13	17355.00	42.90	54.00	-11.10	24.15	18.75	Average	---	---
14	17355.00	54.06	74.00	-19.94	35.31	18.75	Peak	---	---

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

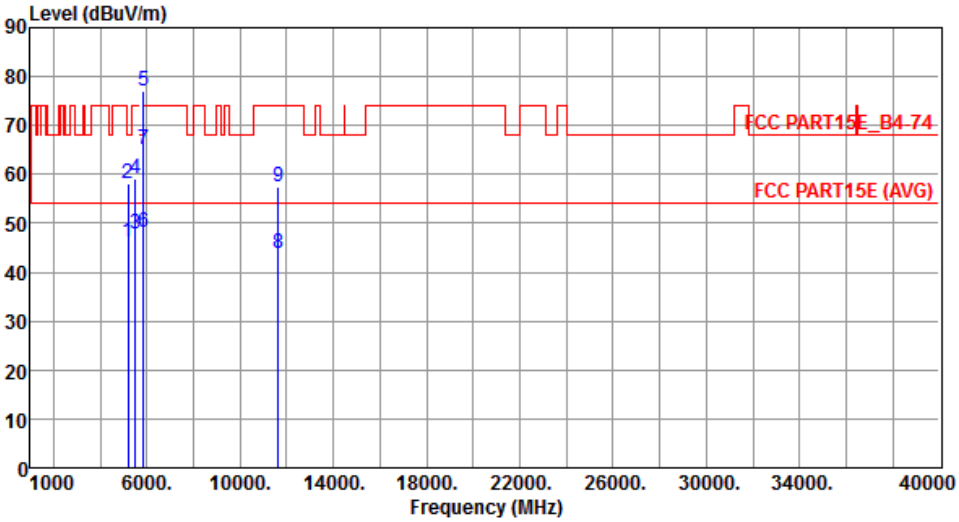
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	51.96	54.00	-2.04	46.41	5.55	Average	---	---
2	5141.00	64.42	74.00	-9.58	58.87	5.55	Peak	---	---
3	5457.00	50.85	54.00	-3.15	45.18	5.67	Average	---	---
4	5457.00	62.77	74.00	-11.23	57.10	5.67	Peak	---	---
5	5621.00	50.24	54.00	-3.76	44.67	5.57	Average	---	---
6	5621.00	62.25	74.00	-11.75	56.68	5.57	Peak	---	---
7	5715.00	48.30	54.00	-5.70	42.72	5.58	Average	---	---
8	5715.00	65.89	74.00	-8.11	60.31	5.58	Peak	---	---
9	7713.33	36.03	54.00	-17.97	25.84	10.19	Average	---	---
10	7713.33	49.37	74.00	-24.63	39.18	10.19	Peak	---	---
11	11570.00	52.81	54.00	-1.19	38.32	14.49	Average	---	---
12	11570.00	66.05	74.00	-7.95	51.56	14.49	Peak	---	---
13	17355.00	43.02	54.00	-10.98	24.27	18.75	Average	---	---
14	17355.00	54.58	74.00	-19.42	35.83	18.75	Peak	---	---

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

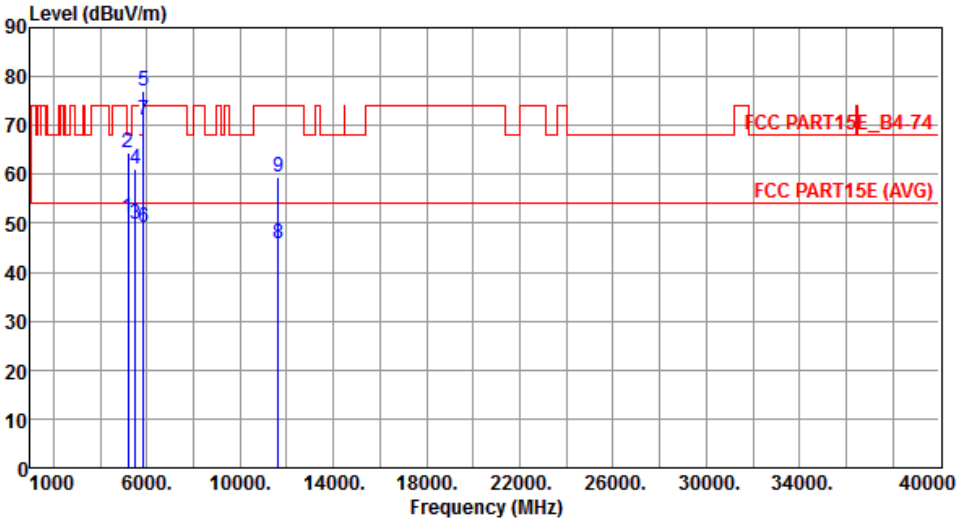
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5187.00	46.09	54.00	-7.91	40.48	5.61	Average	---	---
2	5187.00	58.23	68.20	-9.97	52.62	5.61	Peak	---	---
3	5500.00	47.83	54.00	-6.17	42.20	5.63	Average	---	---
4	5500.00	59.02	74.00	-14.98	53.39	5.63	Peak	---	---
5	5850.00	77.14	78.20	-1.06	71.52	5.62	Peak	---	---
6	5860.00	48.26	54.00	-5.74	42.64	5.62	Average	---	---
7	5860.00	64.96	74.00	-9.04	59.34	5.62	Peak	---	---
8	11650.00	43.98	54.00	-10.02	29.59	14.39	Average	---	---
9	11650.00	57.36	74.00	-16.64	42.97	14.39	Peak	---	---

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

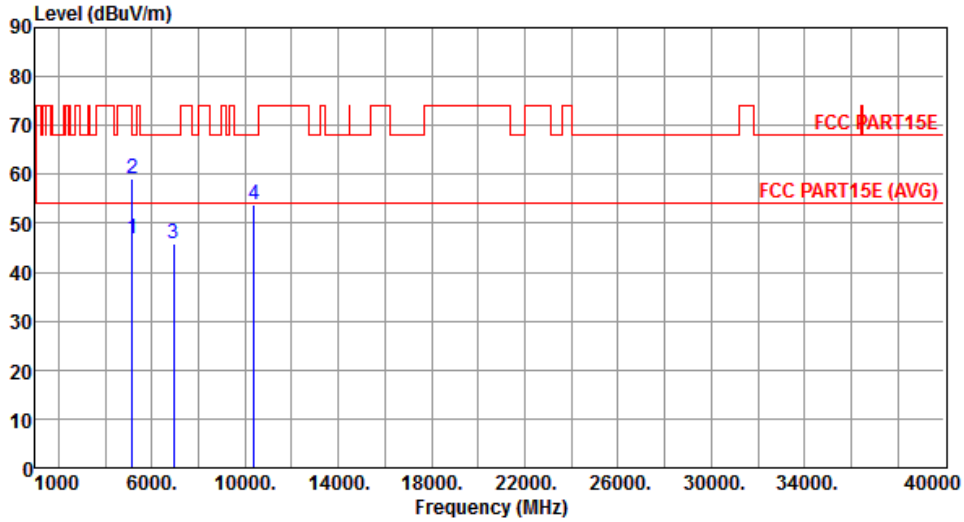
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5187.00	51.25	54.00	-2.75	45.64	5.61	Average	---	---
2	5187.00	64.47	68.20	-3.73	58.86	5.61	Peak	---	---
3	5500.00	49.80	54.00	-4.20	44.17	5.63	Average	---	---
4	5500.00	61.26	74.00	-12.74	55.63	5.63	Peak	---	---
5	5850.00	77.01	78.20	-1.19	71.39	5.62	Peak	---	---
6	5860.00	49.28	54.00	-4.72	43.66	5.62	Average	---	---
7	5860.00	70.97	74.00	-3.03	65.35	5.62	Peak	---	---
8	11650.00	45.70	54.00	-8.30	31.31	14.39	Average	---	---
9	11650.00	59.41	74.00	-14.59	45.02	14.39	Peak	---	---

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

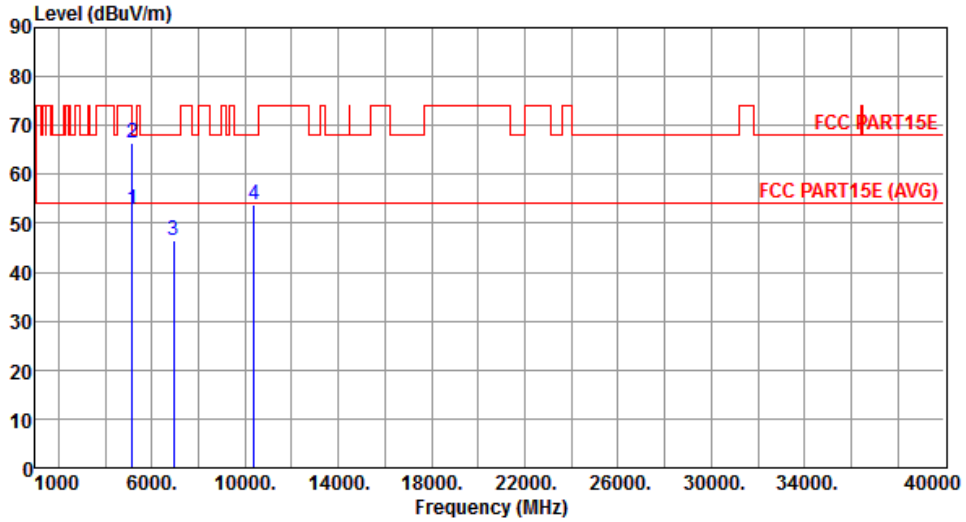
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.91	54.00	-7.09	41.35	5.56	Average	---	---
2	5150.00	58.96	74.00	-15.04	53.40	5.56	Peak	---	---
3	6920.00	45.81	68.20	-22.39	37.70	8.11	Peak	---	---
4	10380.00	53.89	68.20	-14.31	38.78	15.11	Peak	---	---

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

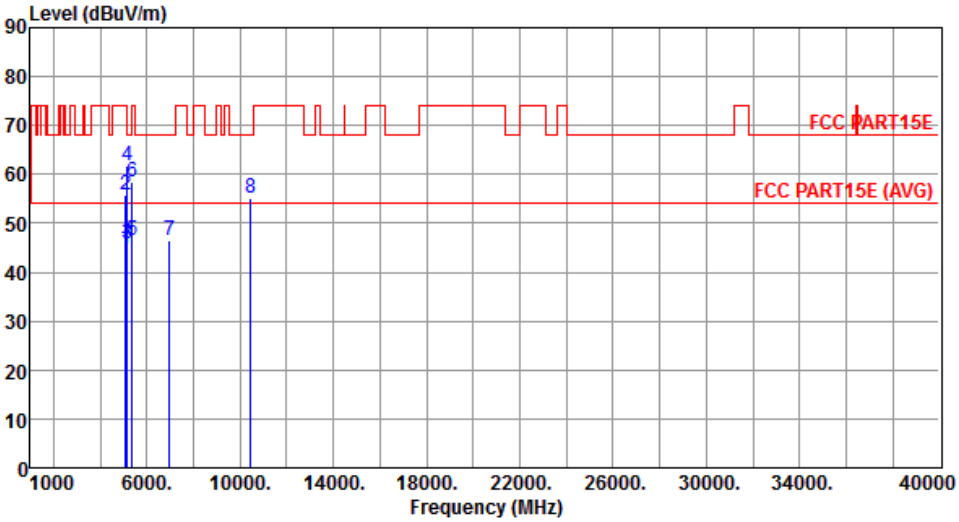
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.74	54.00	-1.26	47.18	5.56	Average	---	---
2	5150.00	66.45	74.00	-7.55	60.89	5.56	Peak	---	---
3	6920.00	46.43	68.20	-21.77	38.32	8.11	Peak	---	---
4	10380.00	53.72	68.20	-14.48	38.61	15.11	Peak	---	---

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

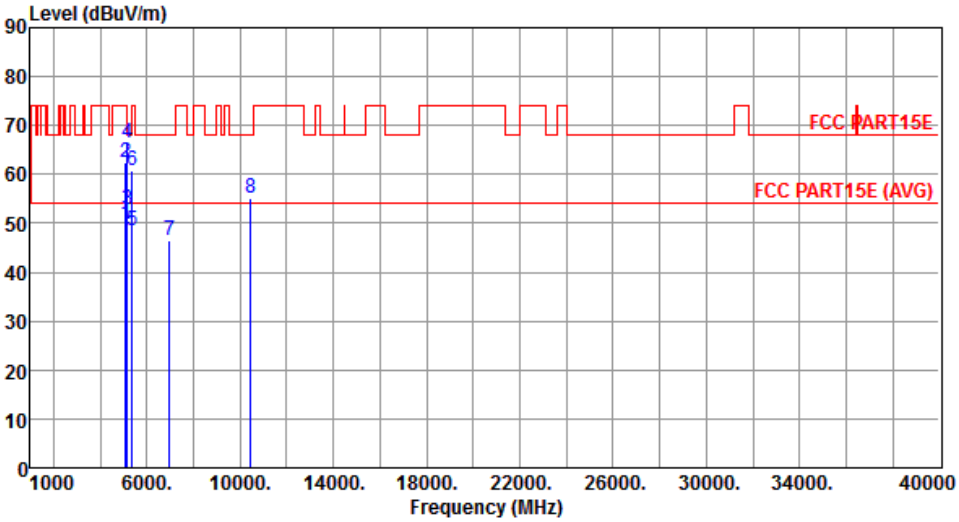
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5090.00	44.85	54.00	-9.15	39.37	5.48	Average	---	---
2	5090.00	55.86	74.00	-18.14	50.38	5.48	Peak	---	---
3	5150.00	45.75	54.00	-8.25	40.19	5.56	Average	---	---
4	5150.00	61.77	74.00	-12.23	56.21	5.56	Peak	---	---
5	5350.00	46.43	54.00	-7.57	40.72	5.71	Average	---	---
6	5350.00	58.43	74.00	-15.57	52.72	5.71	Peak	---	---
7	6973.33	46.51	68.20	-21.69	38.38	8.13	Peak	---	---
8	10460.00	55.01	68.20	-13.19	39.80	15.21	Peak	---	---

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

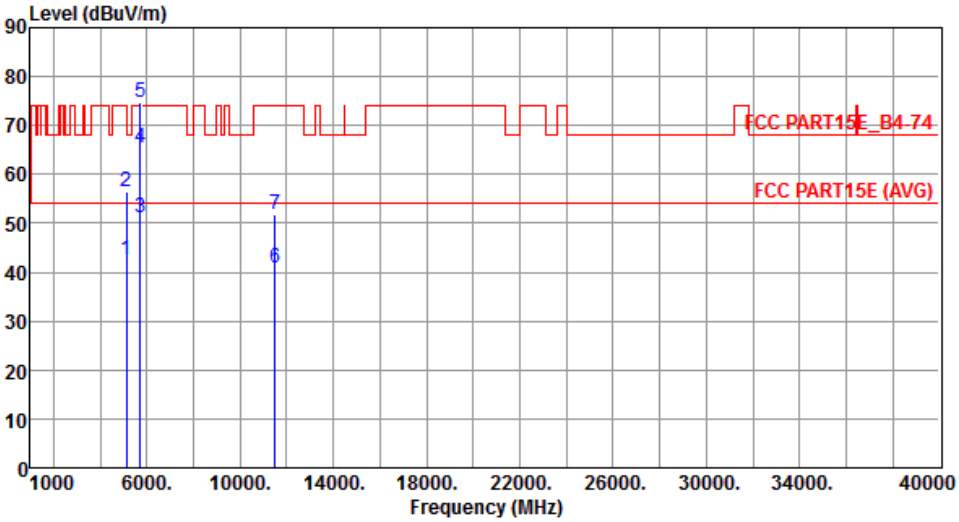
Modulation	VHT40	**Test Freq. (MHz)**	5230
Polarization	Vertical	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5090.00	49.92	54.00	-4.08	44.44	5.48	Average	---	---
2	5090.00	62.53	74.00	-11.47	57.05	5.48	Peak	---	---
3	5150.00	52.70	54.00	-1.30	47.14	5.56	Average	---	---
4	5150.00	66.56	74.00	-7.44	61.00	5.56	Peak	---	---
5	5350.00	48.51	54.00	-5.49	42.80	5.71	Average	---	---
6	5350.00	60.82	74.00	-13.18	55.11	5.71	Peak	---	---
7	6973.33	46.36	68.20	-21.84	38.23	8.13	Peak	---	---
8	10460.00	55.13	68.20	-13.07	39.92	15.21	Peak	---	---

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

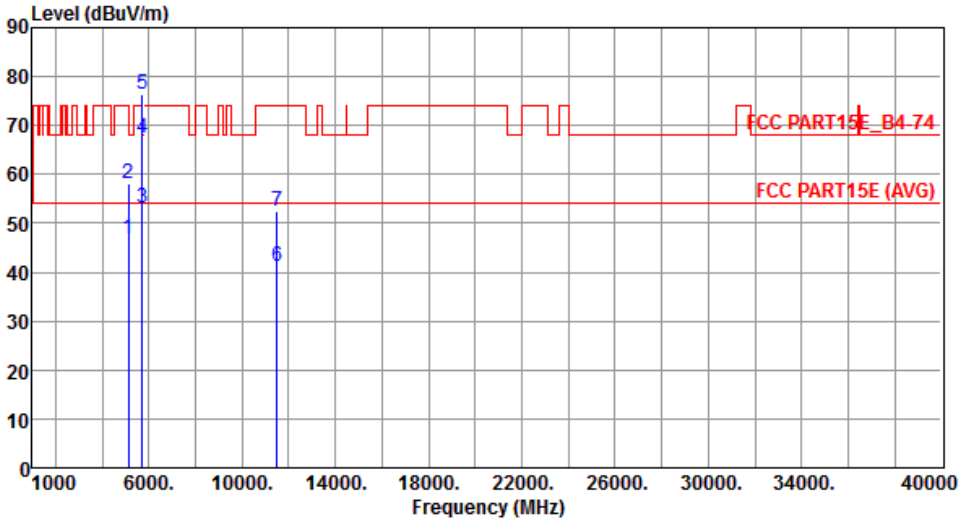
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5111.00	42.65	54.00	-11.35	37.14	5.51	Average	---	---
2	5111.00	56.45	74.00	-17.55	50.94	5.51	Peak	---	---
3	5715.00	51.28	54.00	-2.72	45.70	5.58	Average	---	---
4	5715.00	65.32	74.00	-8.68	59.74	5.58	Peak	---	---
5	5725.00	74.61	78.20	-3.59	69.03	5.58	Peak	---	---
6	11510.00	41.00	54.00	-13.00	26.45	14.55	Average	---	---
7	11510.00	51.96	74.00	-22.04	37.41	14.55	Peak	---	---

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

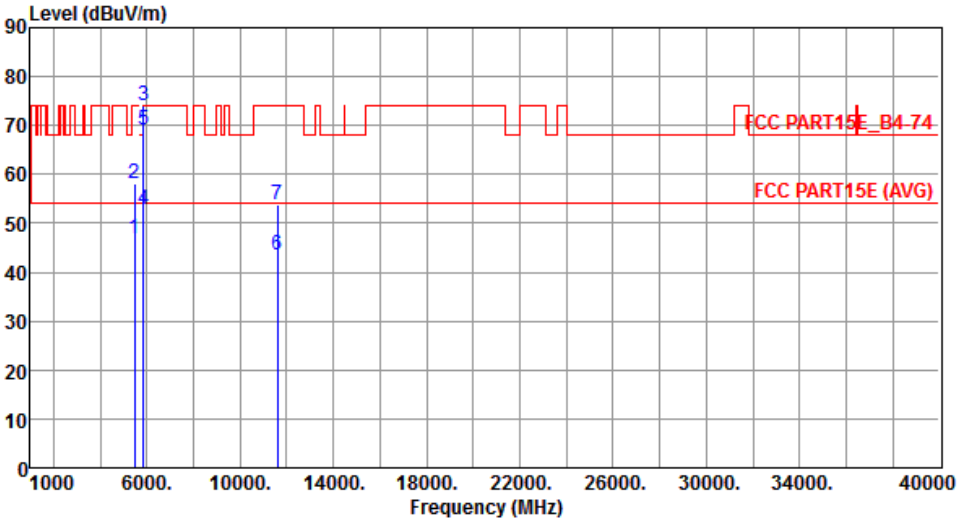
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Vertical	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5111.00	46.93	54.00	-7.07	41.42	5.51	Average	---	---
2	5111.00	58.01	74.00	-15.99	52.50	5.51	Peak	---	---
3	5715.00	52.99	54.00	-1.01	47.41	5.58	Average	---	---
4	5715.00	67.25	74.00	-6.75	61.67	5.58	Peak	---	---
5	5725.00	76.49	78.20	-1.71	70.91	5.58	Peak	---	---
6	11510.00	41.17	54.00	-12.83	26.62	14.55	Average	---	---
7	11510.00	52.60	74.00	-21.40	38.05	14.55	Peak	---	---

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

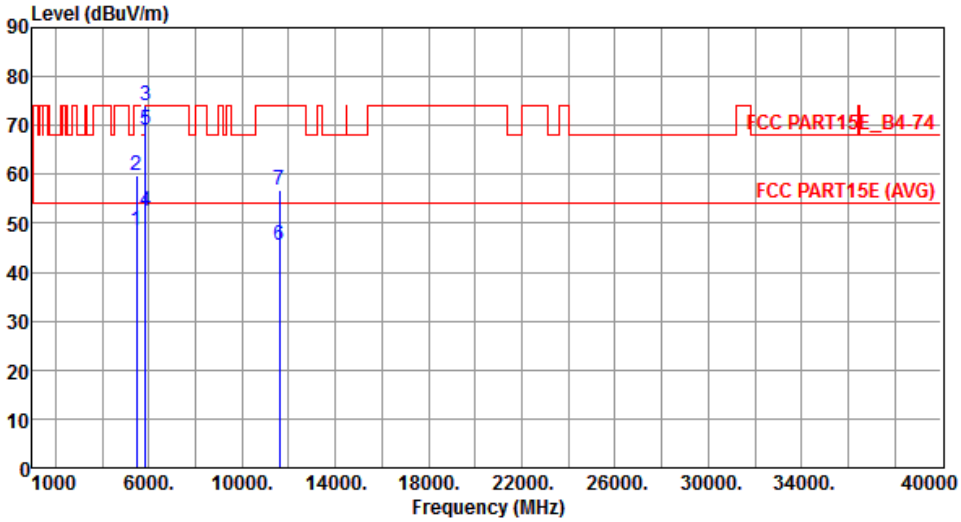
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5467.00	46.72	54.00	-7.28	41.05	5.67	Average	---	---
2	5467.00	58.03	74.00	-15.97	52.36	5.67	Peak	---	---
3	5850.00	74.04	78.20	-4.16	68.42	5.62	Peak	---	---
4	5860.00	52.91	54.00	-1.09	47.29	5.62	Average	---	---
5	5860.00	69.19	74.00	-4.81	63.57	5.62	Peak	---	---
6	11590.00	43.49	54.00	-10.51	29.04	14.45	Average	---	---
7	11590.00	53.77	74.00	-20.23	39.32	14.45	Peak	---	---

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

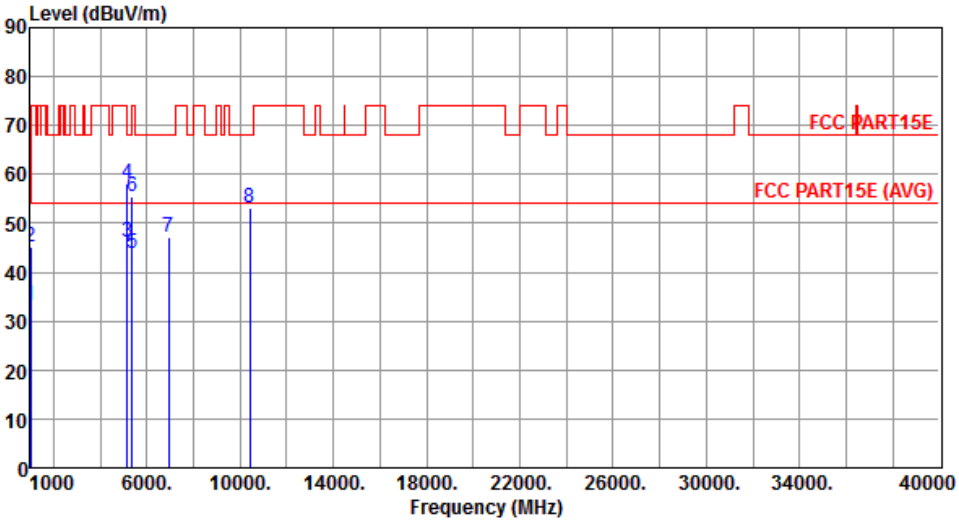
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Vertical	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5467.00	48.38	54.00	-5.62	42.71	5.67	Average	---	---
2	5467.00	59.66	74.00	-14.34	53.99	5.67	Peak	---	---
3	5850.00	74.08	78.20	-4.12	68.46	5.62	Peak	---	---
4	5860.00	52.51	54.00	-1.49	46.89	5.62	Average	---	---
5	5860.00	69.23	74.00	-4.77	63.61	5.62	Peak	---	---
6	11590.00	45.53	54.00	-8.47	31.08	14.45	Average	---	---
7	11590.00	56.74	74.00	-17.26	42.29	14.45	Peak	---	---

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

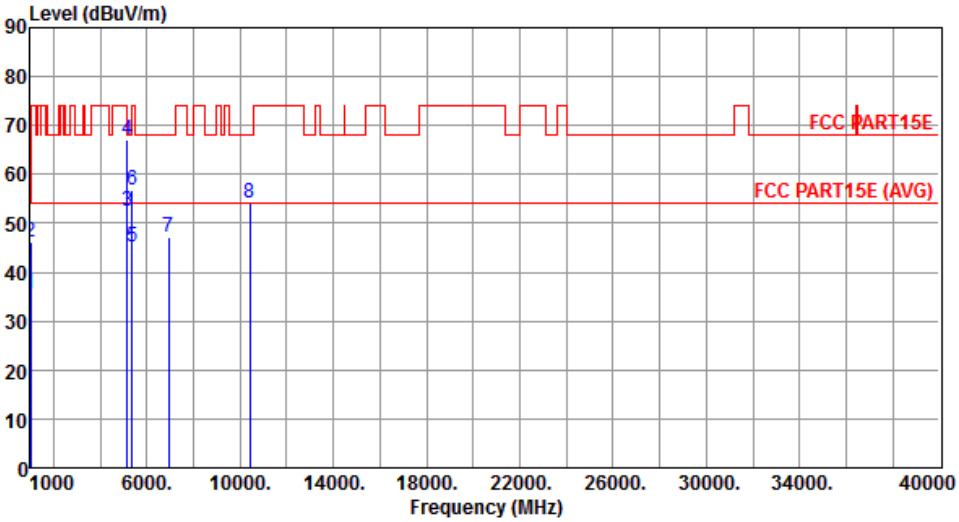
Modulation	VHT80	**Test Freq. (MHz)**	5210
Polarization	Horizontal	**Test Configuration**	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1001.30	33.29	54.00	-20.71	43.60	-10.31	Average	---	---
2	1001.30	45.00	74.00	-29.00	55.31	-10.31	Peak	---	---
3	5150.00	46.24	54.00	-7.76	40.68	5.56	Average	---	---
4	5150.00	58.25	74.00	-15.75	52.69	5.56	Peak	---	---
5	5350.00	43.84	54.00	-10.16	38.13	5.71	Average	---	---
6	5350.00	55.40	74.00	-18.60	49.69	5.71	Peak	---	---
7	6946.66	47.03	68.20	-21.17	38.91	8.12	Peak	---	---
8	10420.00	52.98	68.20	-15.22	37.83	15.15	Peak	---	---

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

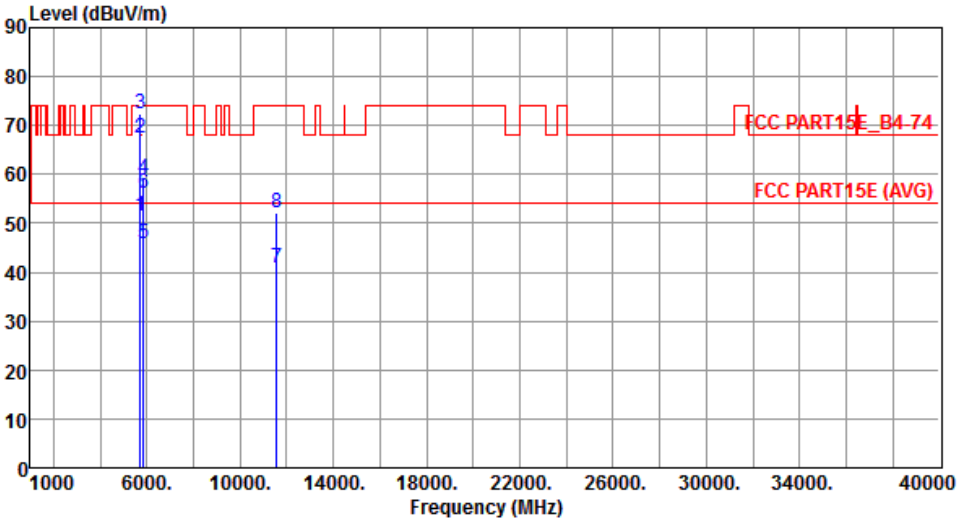
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1001.30	35.46	54.00	-18.54	45.77	-10.31	Average	---	---
2	1001.30	46.22	74.00	-27.78	56.53	-10.31	Peak	---	---
3	5150.00	52.60	54.00	-1.40	47.04	5.56	Average	---	---
4	5150.00	67.10	74.00	-6.90	61.54	5.56	Peak	---	---
5	5350.00	45.06	54.00	-8.94	39.35	5.71	Average	---	---
6	5350.00	56.79	74.00	-17.21	51.08	5.71	Peak	---	---
7	6946.66	47.24	68.20	-20.96	39.12	8.12	Peak	---	---
8	10420.00	54.14	68.20	-14.06	38.99	15.15	Peak	---	---

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

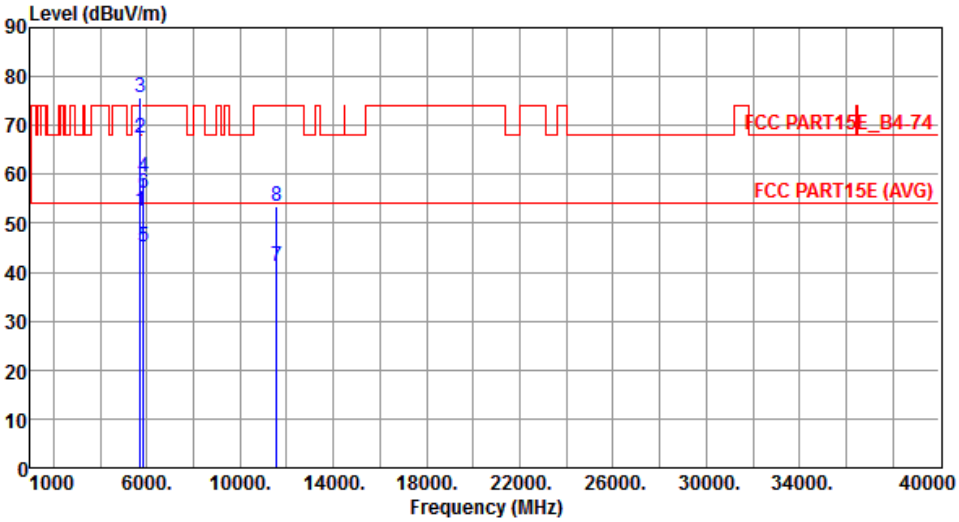
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.47	54.00	-2.53	45.89	5.58	Average	---	---
2	5715.00	67.39	74.00	-6.61	61.81	5.58	Peak	---	---
3	5725.00	72.49	78.20	-5.71	66.91	5.58	Peak	---	---
4	5850.00	59.05	78.20	-19.15	53.43	5.62	Peak	---	---
5	5860.00	45.89	54.00	-8.11	40.27	5.62	Average	---	---
6	5860.00	56.10	74.00	-17.90	50.48	5.62	Peak	---	---
7	11550.00	40.93	54.00	-13.07	26.43	14.50	Average	---	---
8	11550.00	52.29	74.00	-21.71	37.79	14.50	Peak	---	---

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	3

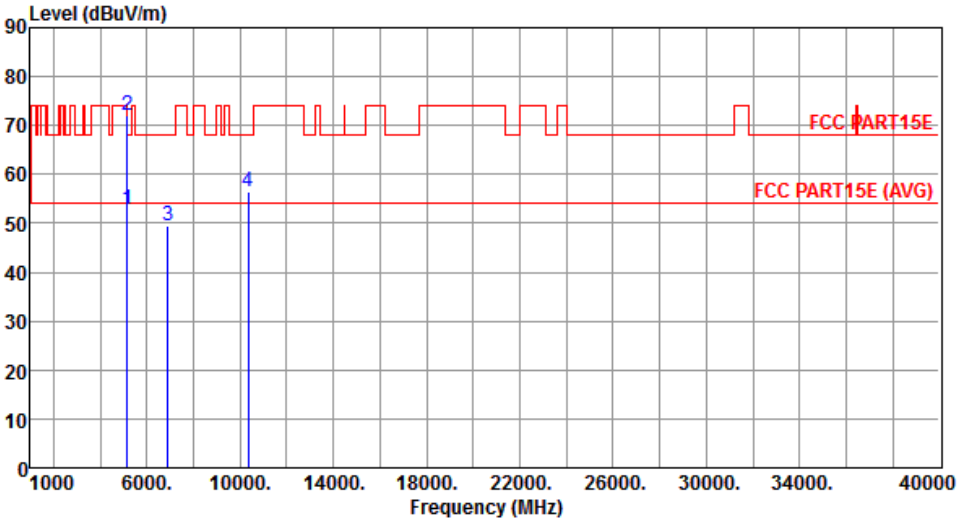


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.44	54.00	-1.56	46.86	5.58	Average	---	---
2	5715.00	67.28	74.00	-6.72	61.70	5.58	Peak	---	---
3	5725.00	75.85	78.20	-2.35	70.27	5.58	Peak	---	---
4	5850.00	59.40	78.20	-18.80	53.78	5.62	Peak	---	---
5	5860.00	45.23	54.00	-8.77	39.61	5.62	Average	---	---
6	5860.00	56.08	74.00	-17.92	50.46	5.62	Peak	---	---
7	11550.00	41.22	54.00	-12.78	26.72	14.50	Average	---	---
8	11550.00	53.54	74.00	-20.46	39.04	14.50	Peak	---	---

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

3.5.15 Transmitter Radiated Unwanted Emissions (Above 1GHz) (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

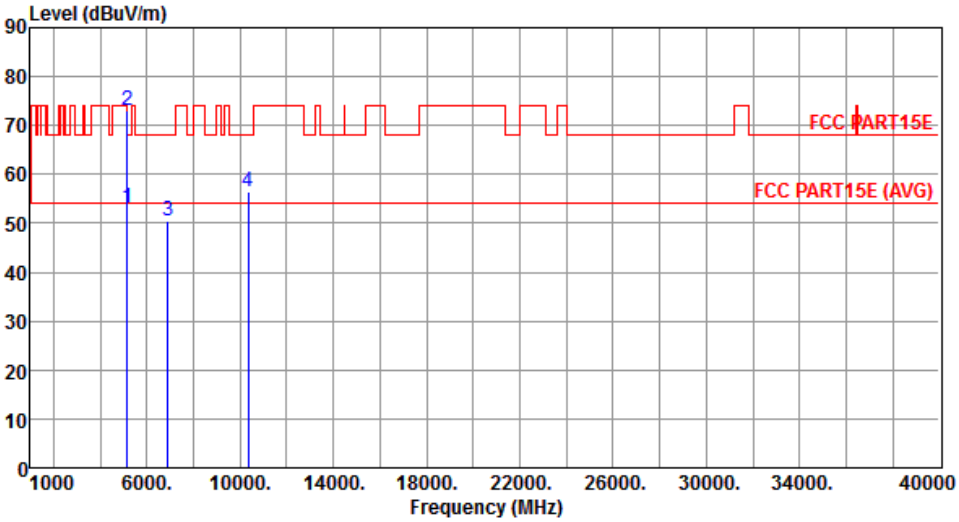
Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.65	54.00	-1.35	47.09	5.56	Average	---	---
2	5150.00	71.91	74.00	-2.09	66.35	5.56	Peak	---	---
3	6906.66	49.47	68.20	-18.73	41.36	8.11	Peak	---	---
4	10360.00	56.36	68.20	-11.84	41.29	15.07	Peak	---	---

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

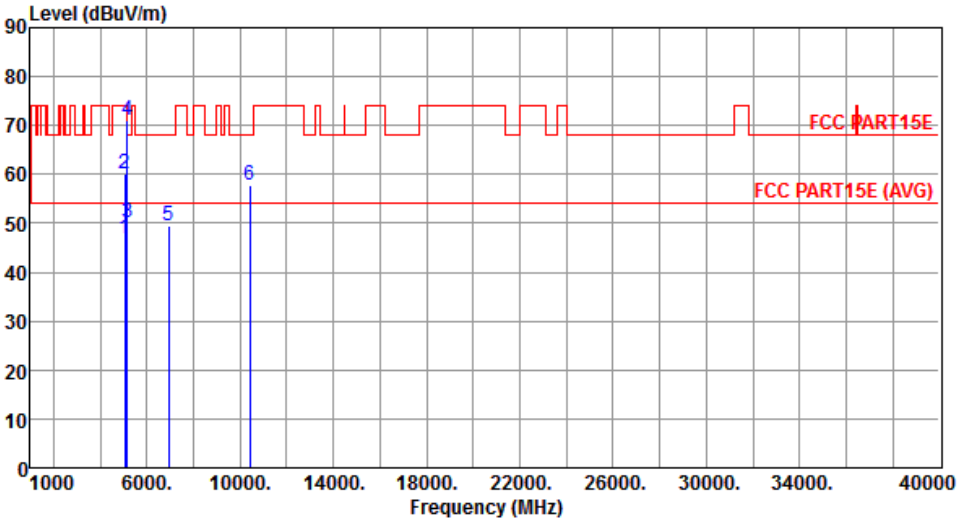
Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.99	54.00	-1.01	47.43	5.56	Average	---	---
2	5150.00	72.91	74.00	-1.09	67.35	5.56	Peak	---	---
3	6906.66	50.49	68.20	-17.71	42.38	8.11	Peak	---	---
4	10360.00	56.59	68.20	-11.61	41.52	15.07	Peak	---	---

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

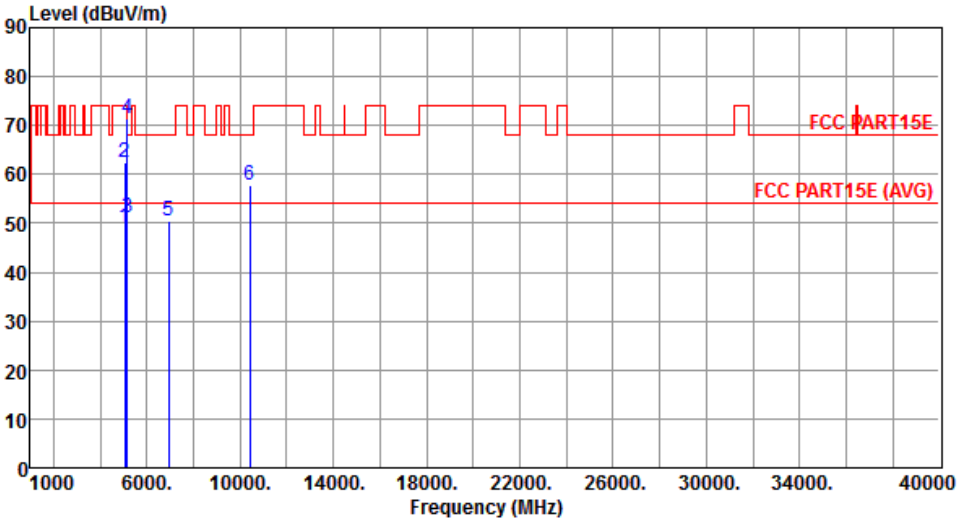
Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5040.00	46.97	54.00	-7.03	41.56	5.41	Average	---	---
2	5040.00	60.19	74.00	-13.81	54.78	5.41	Peak	---	---
3	5150.00	50.01	54.00	-3.99	44.45	5.56	Average	---	---
4	5150.00	71.14	74.00	-2.86	65.58	5.56	Peak	---	---
5	6933.33	49.50	68.20	-18.70	41.38	8.12	Peak	---	---
6	10400.00	57.66	68.20	-10.54	42.53	15.13	Peak	---	---

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

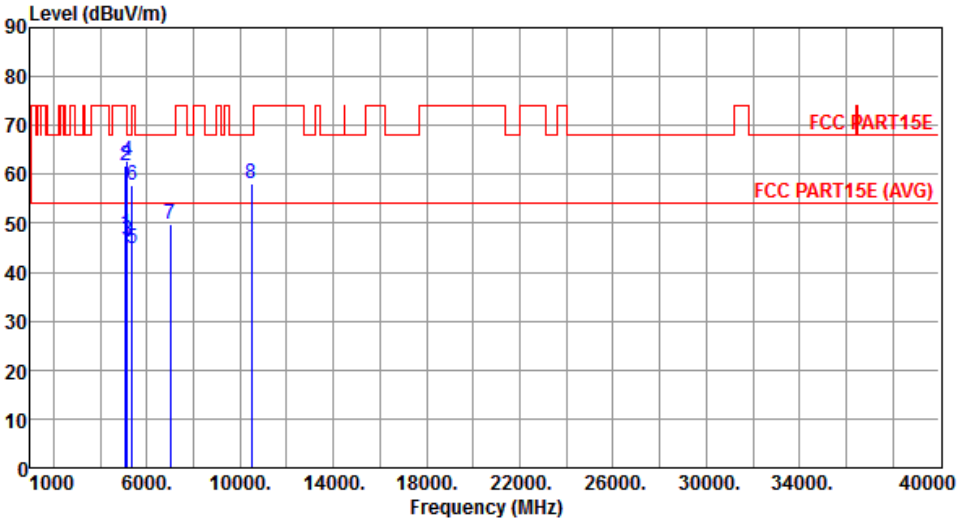
Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5040.00	49.23	54.00	-4.77	43.82	5.41	Average	---	---
2	5040.00	62.32	74.00	-11.68	56.91	5.41	Peak	---	---
3	5150.00	51.28	54.00	-2.72	45.72	5.56	Average	---	---
4	5150.00	71.54	74.00	-2.46	65.98	5.56	Peak	---	---
5	6933.33	50.61	68.20	-17.59	42.49	8.12	Peak	---	---
6	10400.00	57.74	68.20	-10.46	42.61	15.13	Peak	---	---

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

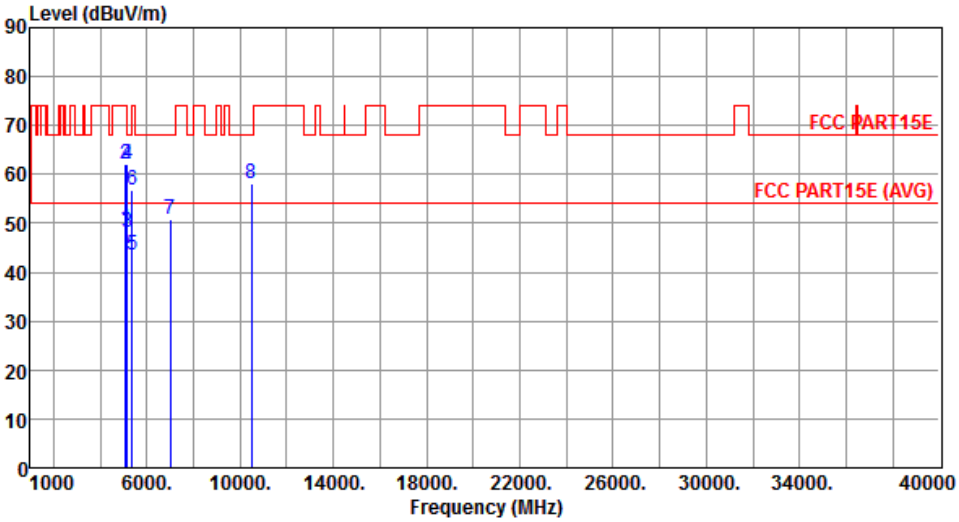
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	47.71	54.00	-6.29	42.24	5.47	Average	---	---
2	5080.00	61.65	74.00	-12.35	56.18	5.47	Peak	---	---
3	5150.00	46.57	54.00	-7.43	41.01	5.56	Average	---	---
4	5150.00	62.87	74.00	-11.13	57.31	5.56	Peak	---	---
5	5350.00	44.98	54.00	-9.02	39.27	5.71	Average	---	---
6	5350.00	57.87	74.00	-16.13	52.16	5.71	Peak	---	---
7	6986.66	49.75	68.20	-18.45	41.61	8.14	Peak	---	---
8	10480.00	58.11	68.20	-10.09	42.87	15.24	Peak	---	---

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

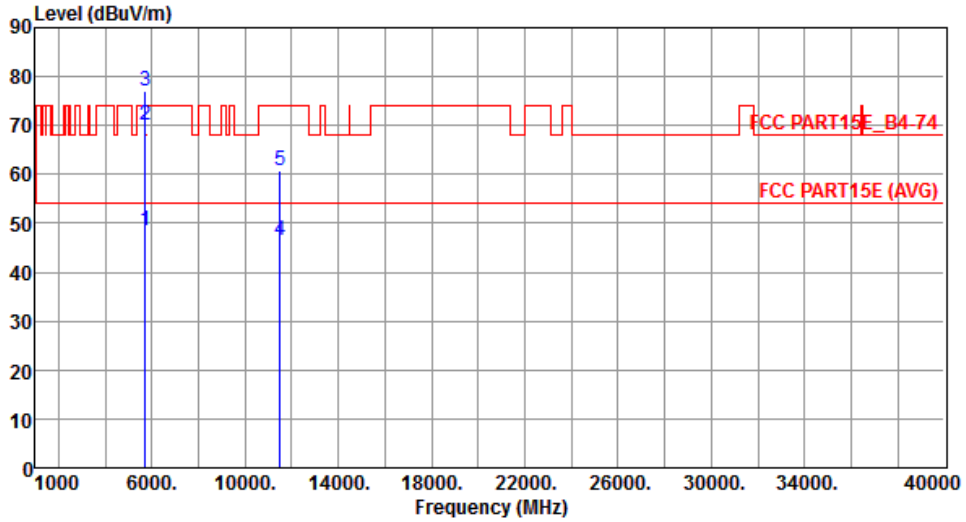
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	48.94	54.00	-5.06	43.47	5.47	Average	---	---
2	5080.00	62.23	74.00	-11.77	56.76	5.47	Peak	---	---
3	5150.00	48.27	54.00	-5.73	42.71	5.56	Average	---	---
4	5150.00	62.23	74.00	-11.77	56.67	5.56	Peak	---	---
5	5350.00	43.58	54.00	-10.42	37.87	5.71	Average	---	---
6	5350.00	56.91	74.00	-17.09	51.20	5.71	Peak	---	---
7	6986.66	50.68	68.20	-17.52	42.54	8.14	Peak	---	---
8	10480.00	58.07	68.20	-10.13	42.83	15.24	Peak	---	---

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

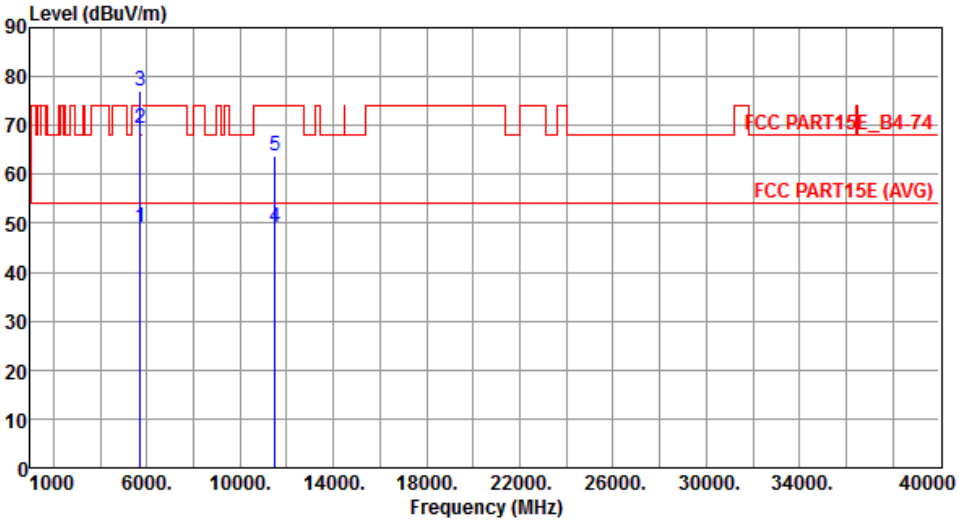
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.61	54.00	-5.39	43.03	5.58	Average	---	---
2	5715.00	69.91	74.00	-4.09	64.33	5.58	Peak	---	---
3	5725.00	77.14	78.20	-1.06	71.56	5.58	Peak	---	---
4	11490.00	46.45	54.00	-7.55	31.88	14.57	Average	---	---
5	11490.00	60.63	74.00	-13.37	46.06	14.57	Peak	---	---

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

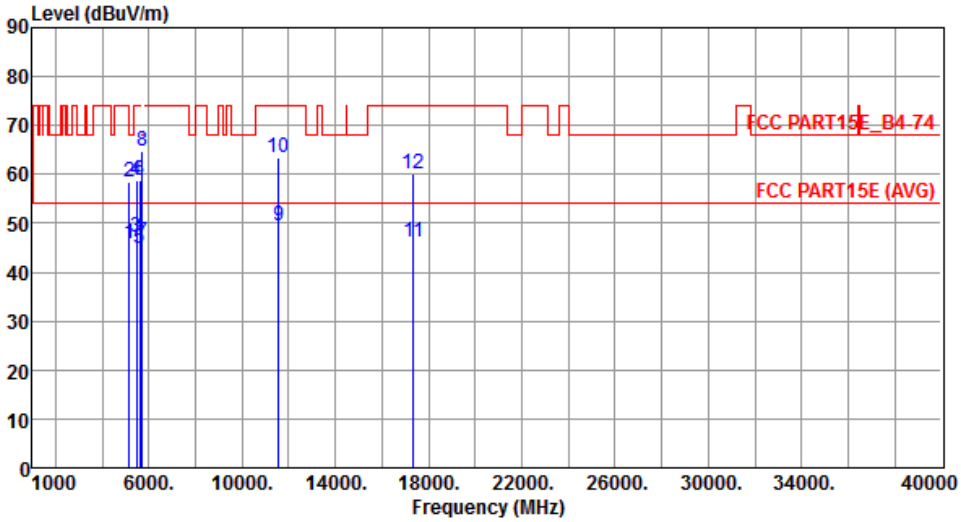
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.04	54.00	-4.96	43.46	5.58	Average	---	---
2	5715.00	69.45	74.00	-4.55	63.87	5.58	Peak	---	---
3	5725.00	77.05	78.20	-1.15	71.47	5.58	Peak	---	---
4	11490.00	49.26	54.00	-4.74	34.69	14.57	Average	---	---
5	11490.00	63.69	74.00	-10.31	49.12	14.57	Peak	---	---

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

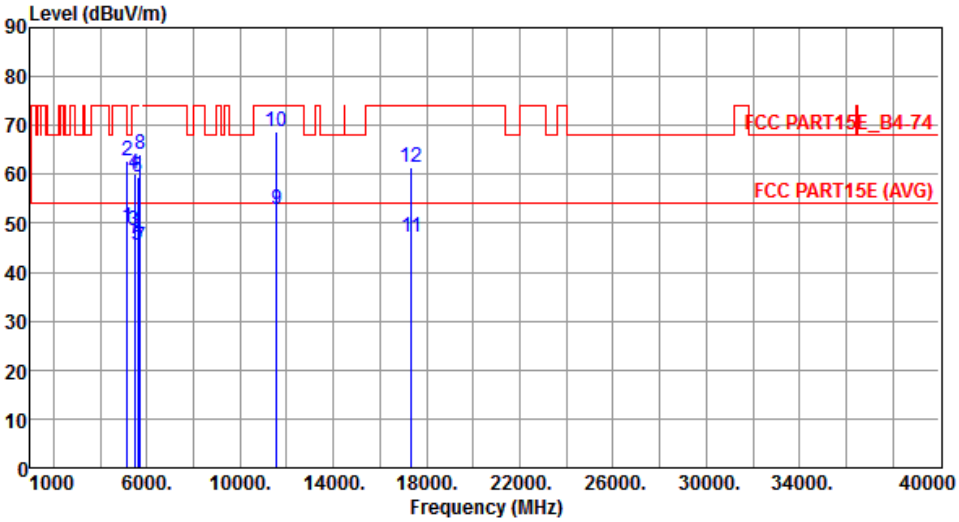
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	45.81	54.00	-8.19	40.26	5.55	Average	---	---
2	5141.00	58.35	74.00	-15.65	52.80	5.55	Peak	---	---
3	5457.00	47.09	54.00	-6.91	41.42	5.67	Average	---	---
4	5457.00	58.84	74.00	-15.16	53.17	5.67	Peak	---	---
5	5621.00	44.97	54.00	-9.03	39.40	5.57	Average	---	---
6	5621.00	58.93	74.00	-15.07	53.36	5.57	Peak	---	---
7	5715.00	46.01	54.00	-7.99	40.43	5.58	Average	---	---
8	5715.00	64.77	74.00	-9.23	59.19	5.58	Peak	---	---
9	11570.00	49.51	54.00	-4.49	35.02	14.49	Average	---	---
10	11570.00	63.36	74.00	-10.64	48.87	14.49	Peak	---	---
11	17355.00	46.03	54.00	-7.97	27.28	18.75	Average	---	---
12	17355.00	60.25	74.00	-13.75	41.50	18.75	Peak	---	---

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

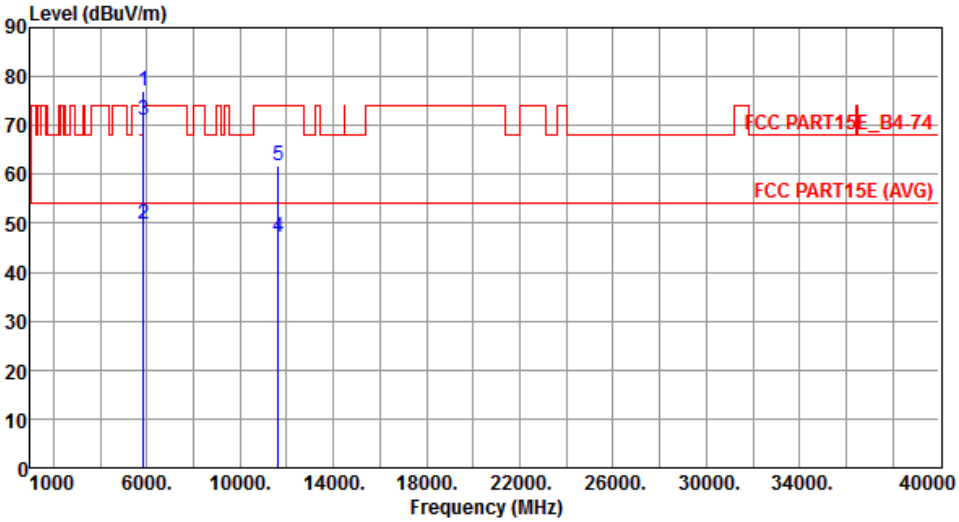
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	49.03	54.00	-4.97	43.48	5.55	Average	---	---
2	5141.00	62.91	74.00	-11.09	57.36	5.55	Peak	---	---
3	5457.00	48.46	54.00	-5.54	42.79	5.67	Average	---	---
4	5457.00	59.98	74.00	-14.02	54.31	5.67	Peak	---	---
5	5621.00	45.49	54.00	-8.51	39.92	5.57	Average	---	---
6	5621.00	59.56	74.00	-14.44	53.99	5.57	Peak	---	---
7	5715.00	45.29	54.00	-8.71	39.71	5.58	Average	---	---
8	5715.00	64.17	74.00	-9.83	58.59	5.58	Peak	---	---
9	11570.00	52.76	54.00	-1.24	38.27	14.49	Average	---	---
10	11570.00	68.65	74.00	-5.35	54.16	14.49	Peak	---	---
11	17355.00	47.30	54.00	-6.70	28.55	18.75	Average	---	---
12	17355.00	61.33	74.00	-12.67	42.58	18.75	Peak	---	---

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

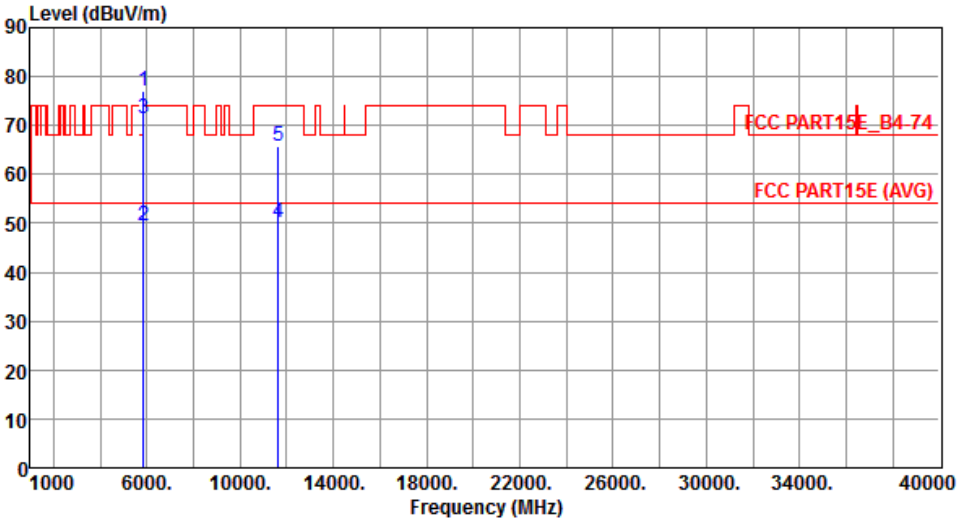
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	77.10	78.20	-1.10	71.48	5.62	Peak	---	---
2	5860.00	49.83	54.00	-4.17	44.21	5.62	Average	---	---
3	5860.00	71.01	74.00	-2.99	65.39	5.62	Peak	---	---
4	11650.00	47.03	54.00	-6.97	32.64	14.39	Average	---	---
5	11650.00	61.88	74.00	-12.12	47.49	14.39	Peak	---	---

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

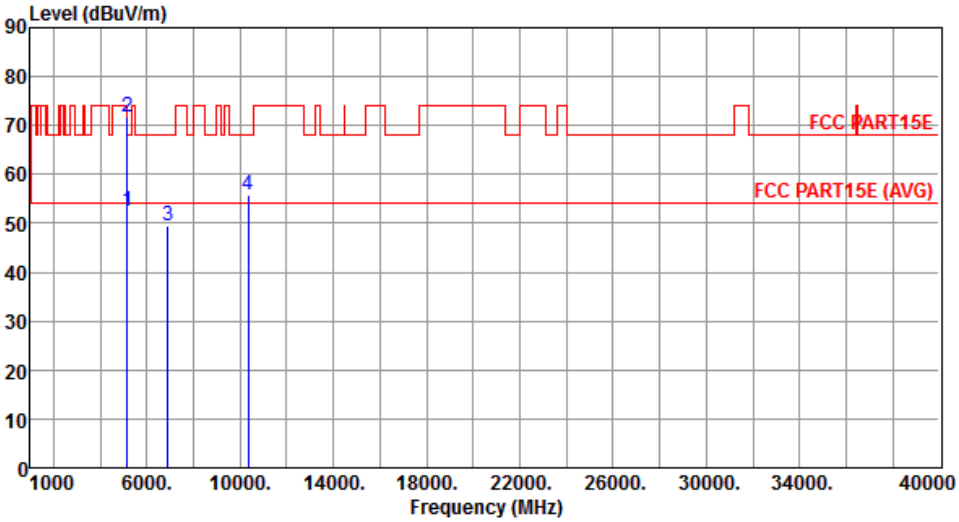
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	77.14	78.20	-1.06	71.52	5.62	Peak	---	---
2	5860.00	49.64	54.00	-4.36	44.02	5.62	Average	---	---
3	5860.00	71.31	74.00	-2.69	65.69	5.62	Peak	---	---
4	11650.00	49.99	54.00	-4.01	35.60	14.39	Average	---	---
5	11650.00	65.62	74.00	-8.38	51.23	14.39	Peak	---	---

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

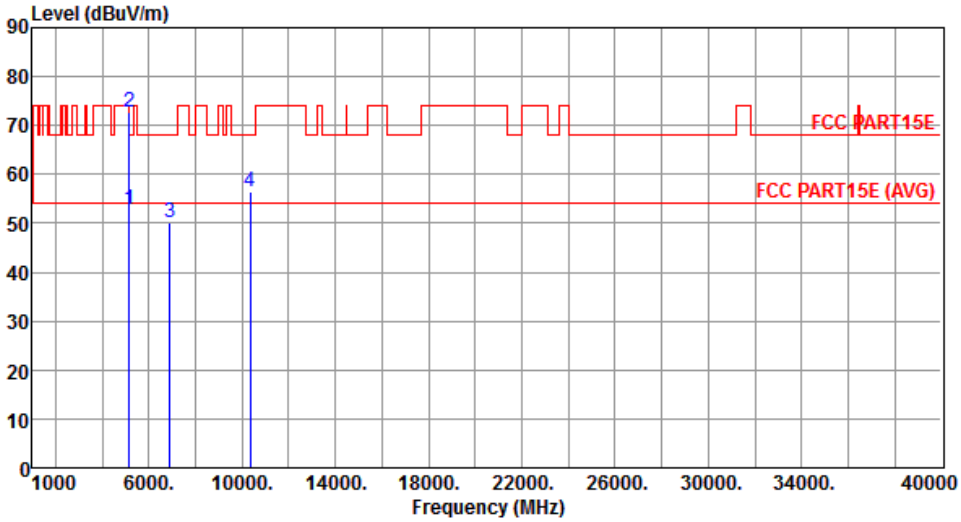
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.32	54.00	-1.68	46.76	5.56	Average	---	---
2	5150.00	71.68	74.00	-2.32	66.12	5.56	Peak	---	---
3	6906.66	49.57	68.20	-18.63	41.46	8.11	Peak	---	---
4	10360.00	55.94	68.20	-12.26	40.87	15.07	Peak	---	---

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

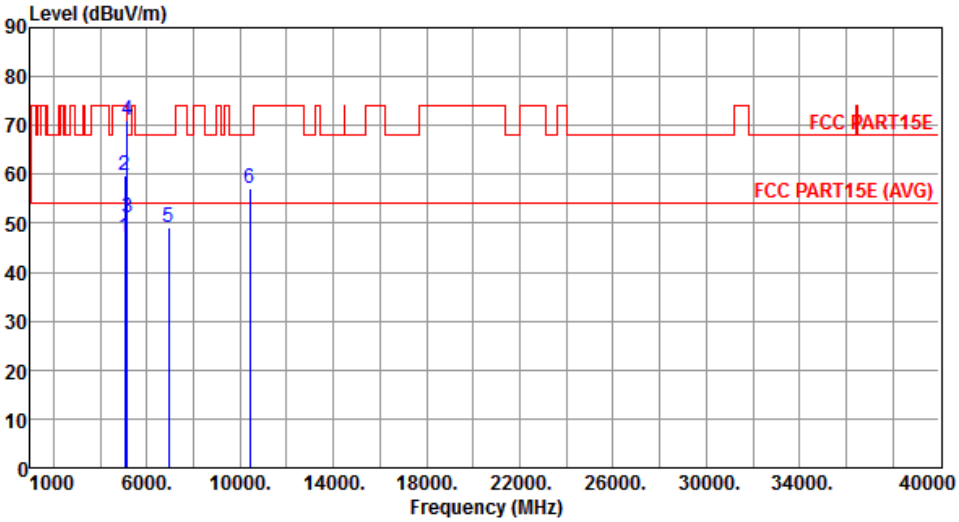
Modulation	VHT20	**Test Freq. (MHz)**	5180
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.96	54.00	-1.04	47.40	5.56	Average	---	---
2	5150.00	72.77	74.00	-1.23	67.21	5.56	Peak	---	---
3	6906.66	50.29	68.20	-17.91	42.18	8.11	Peak	---	---
4	10360.00	56.35	68.20	-11.85	41.28	15.07	Peak	---	---

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

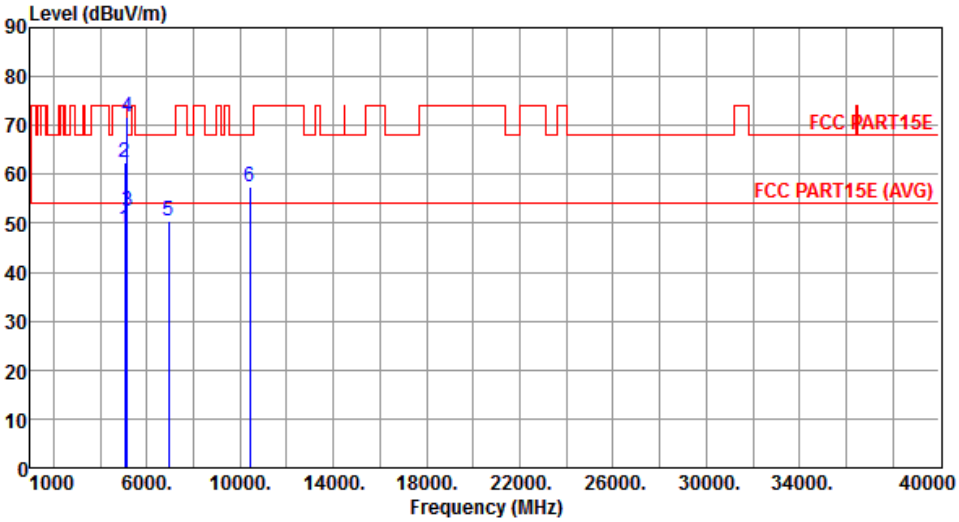
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5040.00	47.19	54.00	-6.81	41.78	5.41	Average	---	---
2	5040.00	59.90	74.00	-14.10	54.49	5.41	Peak	---	---
3	5150.00	51.03	54.00	-2.97	45.47	5.56	Average	---	---
4	5150.00	71.11	74.00	-2.89	65.55	5.56	Peak	---	---
5	6933.33	49.28	68.20	-18.92	41.16	8.12	Peak	---	---
6	10400.00	57.21	68.20	-10.99	42.08	15.13	Peak	---	---

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

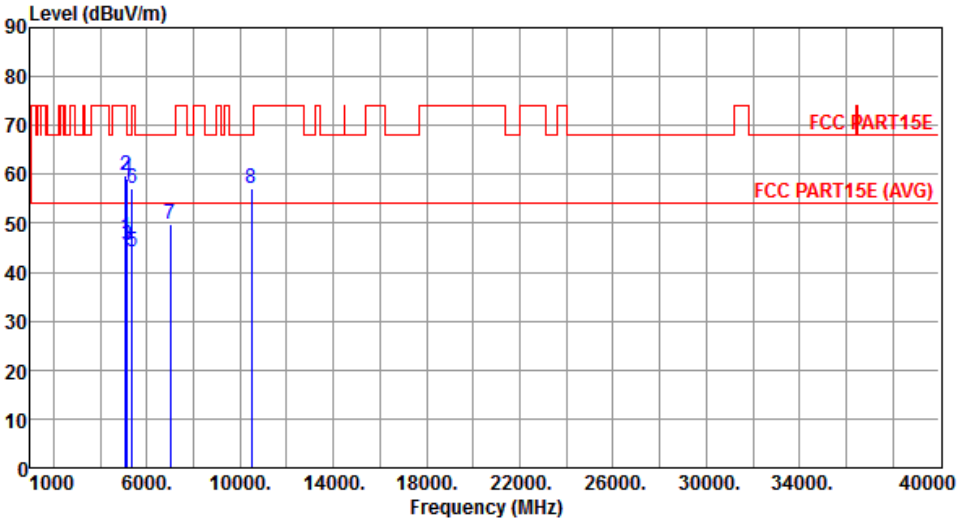
Modulation	VHT20	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5040.00	48.71	54.00	-5.29	43.30	5.41	Average	---	---
2	5040.00	62.34	74.00	-11.66	56.93	5.41	Peak	---	---
3	5150.00	52.59	54.00	-1.41	47.03	5.56	Average	---	---
4	5150.00	71.85	74.00	-2.15	66.29	5.56	Peak	---	---
5	6933.33	50.47	68.20	-17.73	42.35	8.12	Peak	---	---
6	10400.00	57.60	68.20	-10.60	42.47	15.13	Peak	---	---

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

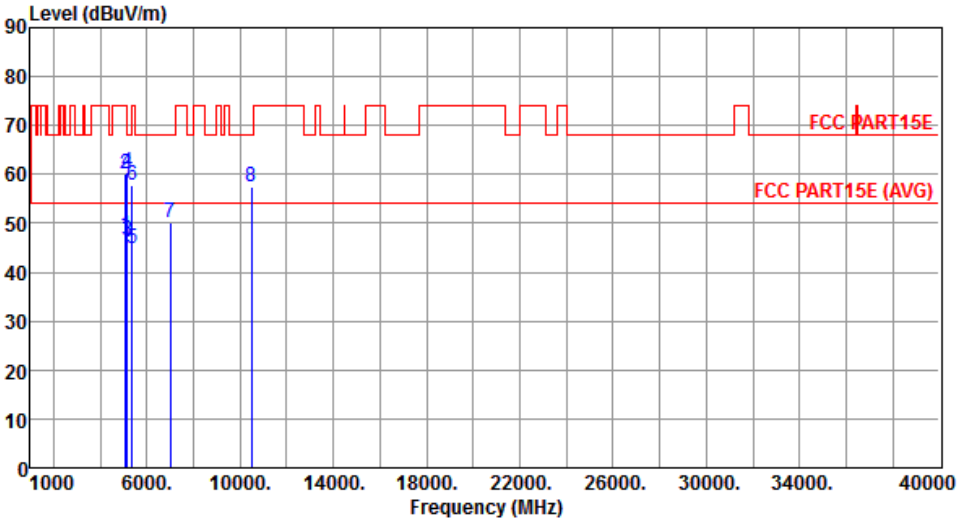
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	47.20	54.00	-6.80	41.73	5.47	Average	---	---
2	5080.00	59.73	74.00	-14.27	54.26	5.47	Peak	---	---
3	5150.00	45.42	54.00	-8.58	39.86	5.56	Average	---	---
4	5150.00	59.16	74.00	-14.84	53.60	5.56	Peak	---	---
5	5350.00	44.21	54.00	-9.79	38.50	5.71	Average	---	---
6	5350.00	57.28	74.00	-16.72	51.57	5.71	Peak	---	---
7	6986.66	49.67	68.20	-18.53	41.53	8.14	Peak	---	---
8	10480.00	57.17	68.20	-11.03	41.93	15.24	Peak	---	---

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

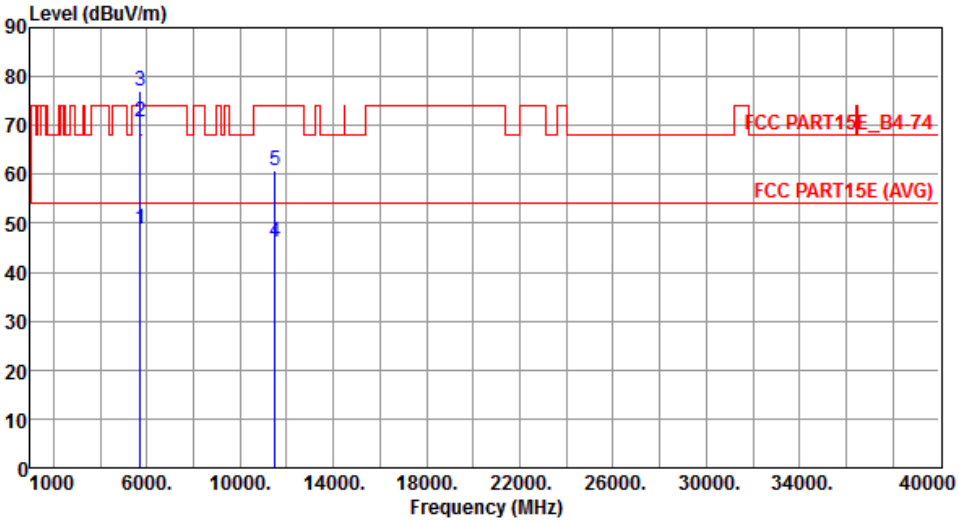
Modulation	VHT20	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5080.00	47.58	54.00	-6.42	42.11	5.47	Average	---	---
2	5080.00	60.25	74.00	-13.75	54.78	5.47	Peak	---	---
3	5150.00	46.65	54.00	-7.35	41.09	5.56	Average	---	---
4	5150.00	60.38	74.00	-13.62	54.82	5.56	Peak	---	---
5	5350.00	44.73	54.00	-9.27	39.02	5.71	Average	---	---
6	5350.00	57.64	74.00	-16.36	51.93	5.71	Peak	---	---
7	6986.66	50.22	68.20	-17.98	42.08	8.14	Peak	---	---
8	10480.00	57.50	68.20	-10.70	42.26	15.24	Peak	---	---

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

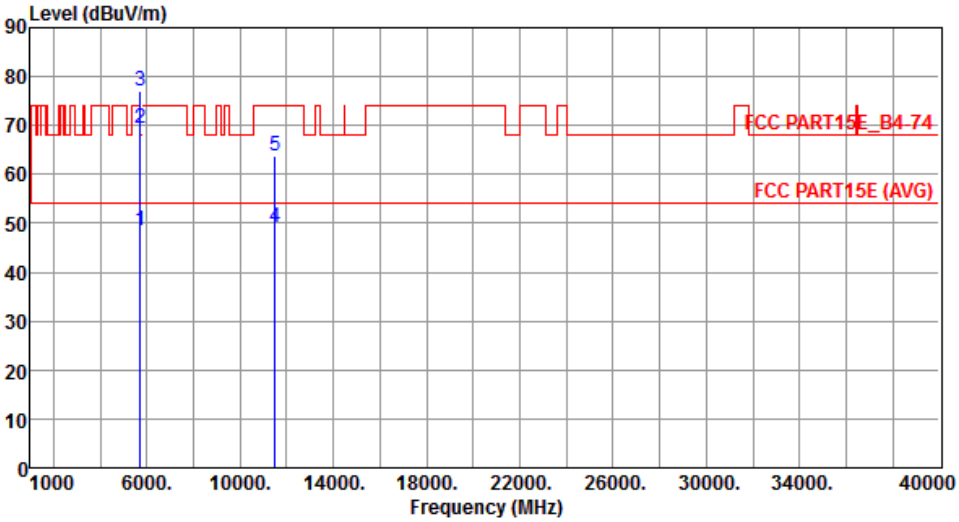
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.89	54.00	-5.11	43.31	5.58	Average	---	---
2	5715.00	70.79	74.00	-3.21	65.21	5.58	Peak	---	---
3	5725.00	77.19	78.20	-1.01	71.61	5.58	Peak	---	---
4	11490.00	46.23	54.00	-7.77	31.66	14.57	Average	---	---
5	11490.00	60.82	74.00	-13.18	46.25	14.57	Peak	---	---

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

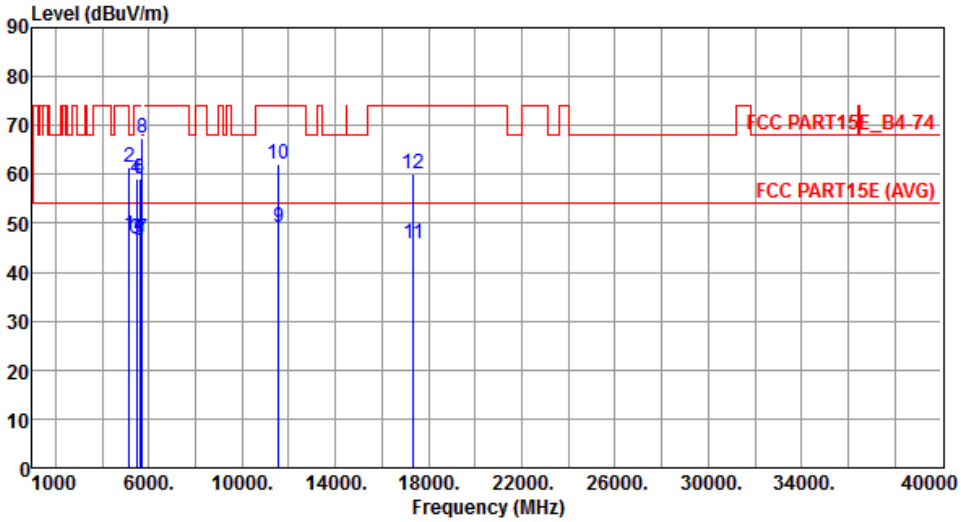
Modulation	VHT20	**Test Freq. (MHz)**	5745
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.52	54.00	-5.48	42.94	5.58	Average	---	---
2	5715.00	69.39	74.00	-4.61	63.81	5.58	Peak	---	---
3	5725.00	77.08	78.20	-1.12	71.50	5.58	Peak	---	---
4	11490.00	49.16	54.00	-4.84	34.59	14.57	Average	---	---
5	11490.00	63.85	74.00	-10.15	49.28	14.57	Peak	---	---

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

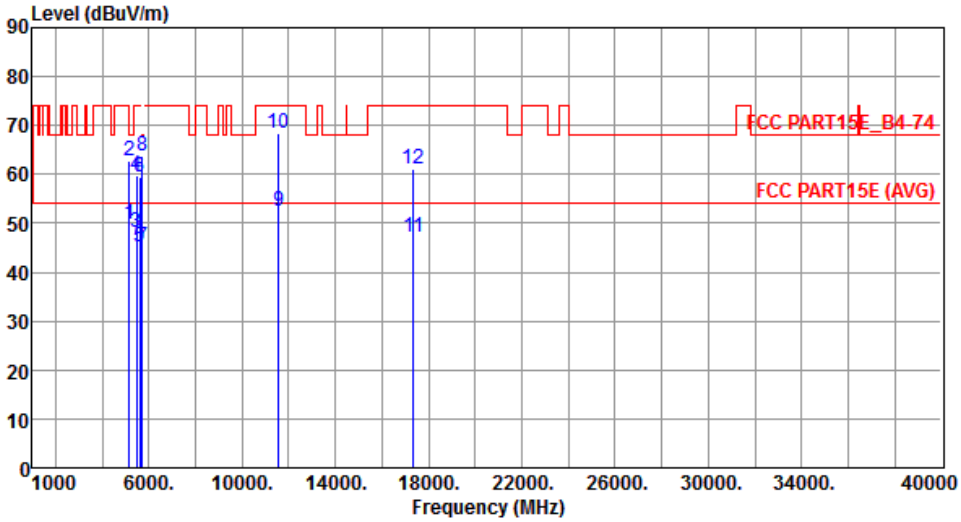
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	47.59	54.00	-6.41	42.04	5.55	Average	---	---
2	5141.00	61.60	74.00	-12.40	56.05	5.55	Peak	---	---
3	5457.00	46.88	54.00	-7.12	41.21	5.67	Average	---	---
4	5457.00	59.17	74.00	-14.83	53.50	5.67	Peak	---	---
5	5621.00	46.44	54.00	-7.56	40.87	5.57	Average	---	---
6	5621.00	59.26	74.00	-14.74	53.69	5.57	Peak	---	---
7	5715.00	46.78	54.00	-7.22	41.20	5.58	Average	---	---
8	5715.00	67.44	74.00	-6.56	61.86	5.58	Peak	---	---
9	11570.00	49.31	54.00	-4.69	34.82	14.49	Average	---	---
10	11570.00	62.20	74.00	-11.80	47.71	14.49	Peak	---	---
11	17355.00	45.89	54.00	-8.11	27.14	18.75	Average	---	---
12	17355.00	60.05	74.00	-13.95	41.30	18.75	Peak	---	---

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

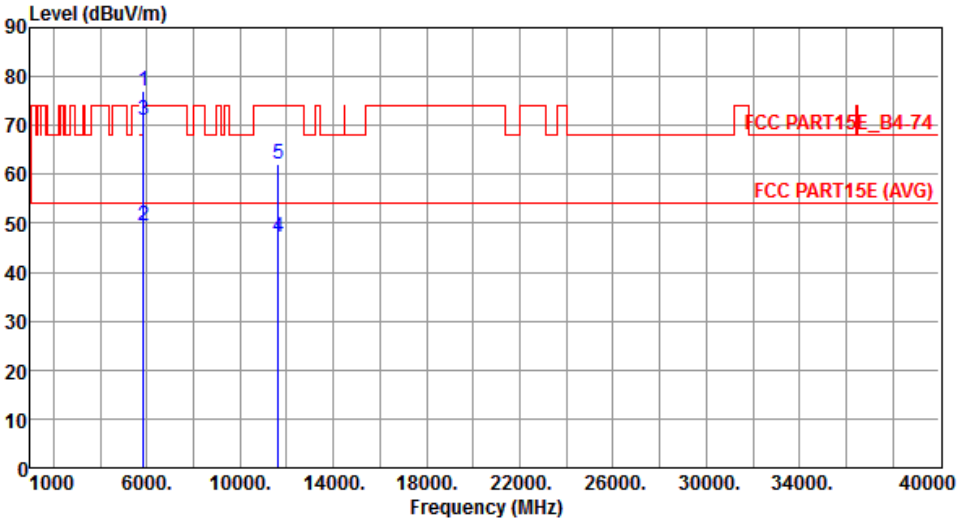
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5141.00	49.67	54.00	-4.33	44.12	5.55	Average	---	---
2	5141.00	62.72	74.00	-11.28	57.17	5.55	Peak	---	---
3	5457.00	48.07	54.00	-5.93	42.40	5.67	Average	---	---
4	5457.00	59.76	74.00	-14.24	54.09	5.67	Peak	---	---
5	5621.00	45.04	54.00	-8.96	39.47	5.57	Average	---	---
6	5621.00	59.38	74.00	-14.62	53.81	5.57	Peak	---	---
7	5715.00	45.31	54.00	-8.69	39.73	5.58	Average	---	---
8	5715.00	63.71	74.00	-10.29	58.13	5.58	Peak	---	---
9	11570.00	52.62	54.00	-1.38	38.13	14.49	Average	---	---
10	11570.00	68.37	74.00	-5.63	53.88	14.49	Peak	---	---
11	17355.00	47.14	54.00	-6.86	28.39	18.75	Average	---	---
12	17355.00	61.25	74.00	-12.75	42.50	18.75	Peak	---	---

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

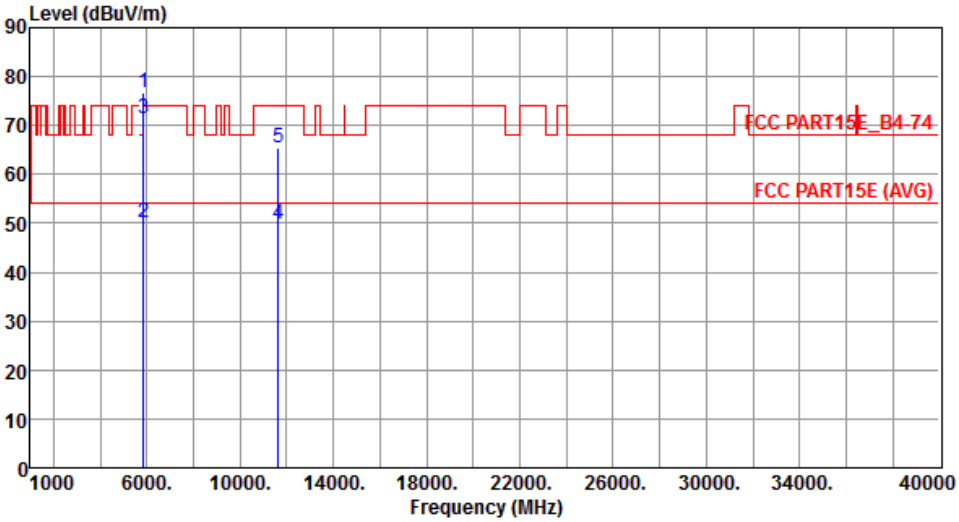
Modulation	VHT20	**Test Freq. (MHz)**	5825
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	77.02	78.20	-1.18	71.40	5.62	Peak	---	---
2	5860.00	49.43	54.00	-4.57	43.81	5.62	Average	---	---
3	5860.00	71.15	74.00	-2.85	65.53	5.62	Peak	---	---
4	11650.00	47.20	54.00	-6.80	32.81	14.39	Average	---	---
5	11650.00	61.95	74.00	-12.05	47.56	14.39	Peak	---	---

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

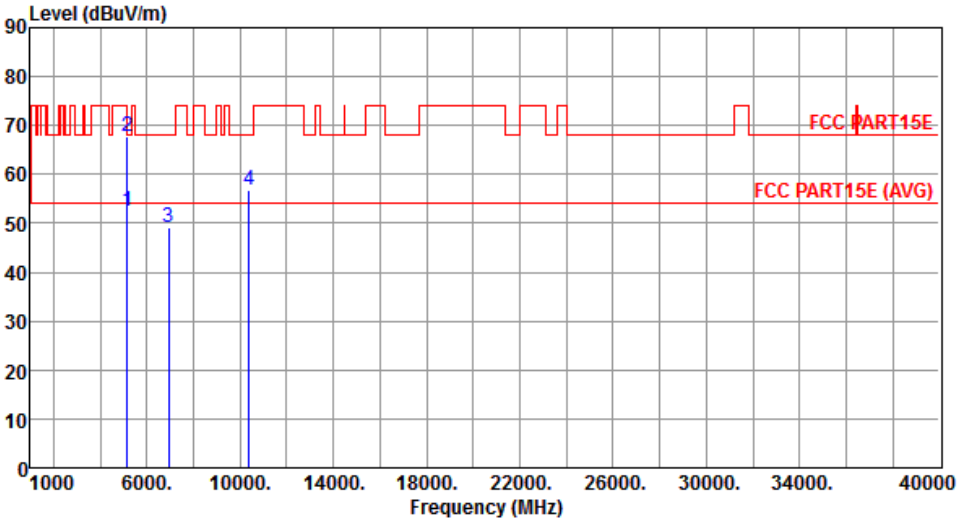
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.76	78.20	-1.44	71.14	5.62	Peak	---	---
2	5860.00	50.06	54.00	-3.94	44.44	5.62	Average	---	---
3	5860.00	71.44	74.00	-2.56	65.82	5.62	Peak	---	---
4	11650.00	49.80	54.00	-4.20	35.41	14.39	Average	---	---
5	11650.00	65.48	74.00	-8.52	51.09	14.39	Peak	---	---

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

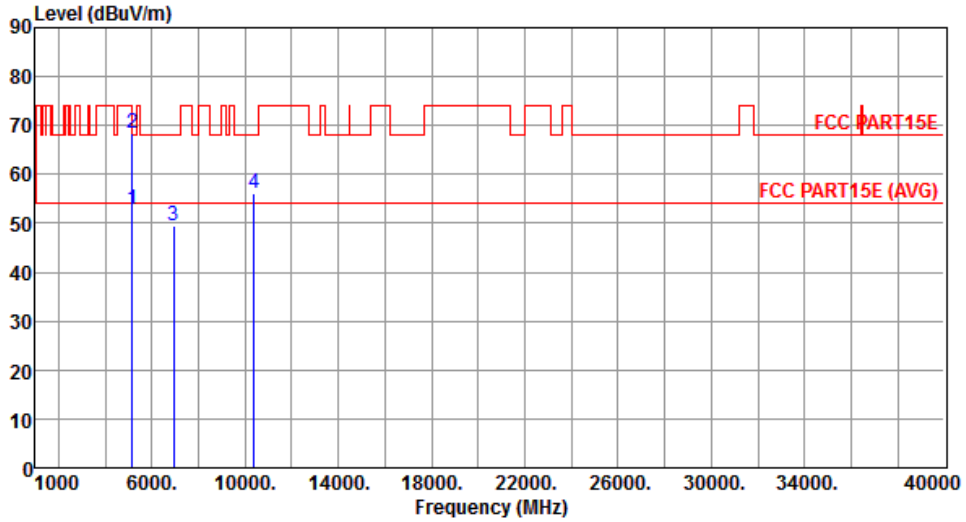
Modulation	VHT40	**Test Freq. (MHz)**	5190
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.48	54.00	-1.52	46.92	5.56	Average	---	---
2	5150.00	67.79	74.00	-6.21	62.23	5.56	Peak	---	---
3	6920.00	49.07	68.20	-19.13	40.96	8.11	Peak	---	---
4	10380.00	56.64	68.20	-11.56	41.53	15.11	Peak	---	---

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

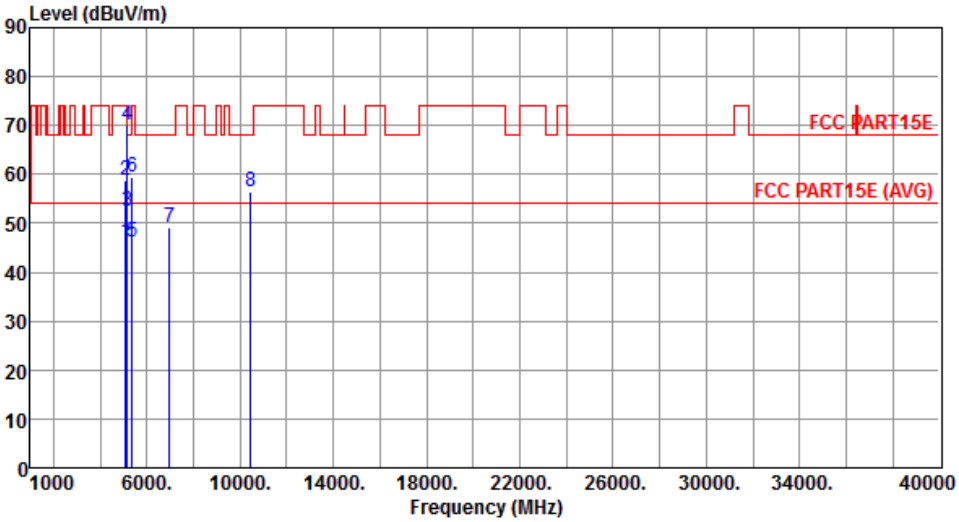
Modulation	VHT40	**Test Freq. (MHz)**	5190
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.66	54.00	-1.34	47.10	5.56	Average	---	---
2	5150.00	68.34	74.00	-5.66	62.78	5.56	Peak	---	---
3	6920.00	49.37	68.20	-18.83	41.26	8.11	Peak	---	---
4	10380.00	56.19	68.20	-12.01	41.08	15.11	Peak	---	---

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

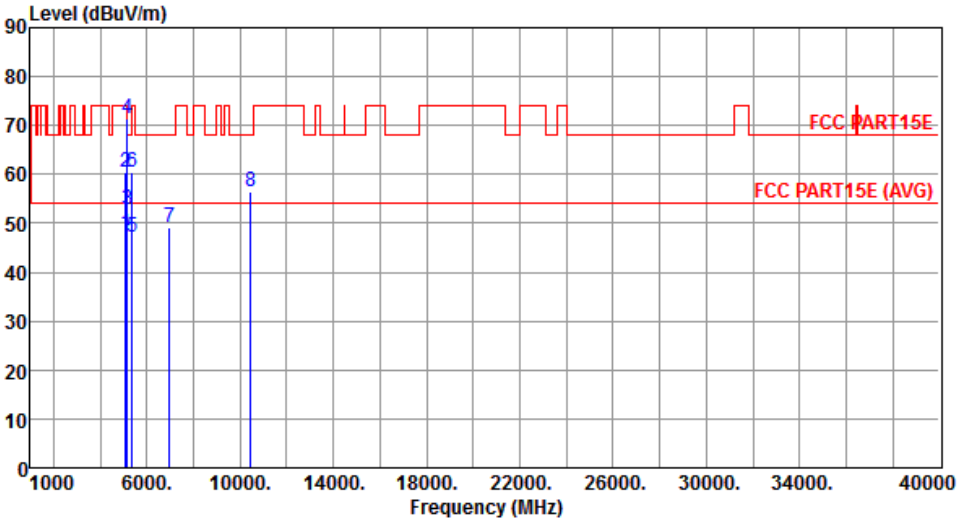
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5090.00	46.20	54.00	-7.80	40.72	5.48	Average	---	---
2	5090.00	58.90	74.00	-15.10	53.42	5.48	Peak	---	---
3	5150.00	52.57	54.00	-1.43	47.01	5.56	Average	---	---
4	5150.00	70.19	74.00	-3.81	64.63	5.56	Peak	---	---
5	5350.00	46.12	54.00	-7.88	40.41	5.71	Average	---	---
6	5350.00	59.37	74.00	-14.63	53.66	5.71	Peak	---	---
7	6973.33	49.00	68.20	-19.20	40.87	8.13	Peak	---	---
8	10460.00	56.44	68.20	-11.76	41.23	15.21	Peak	---	---

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

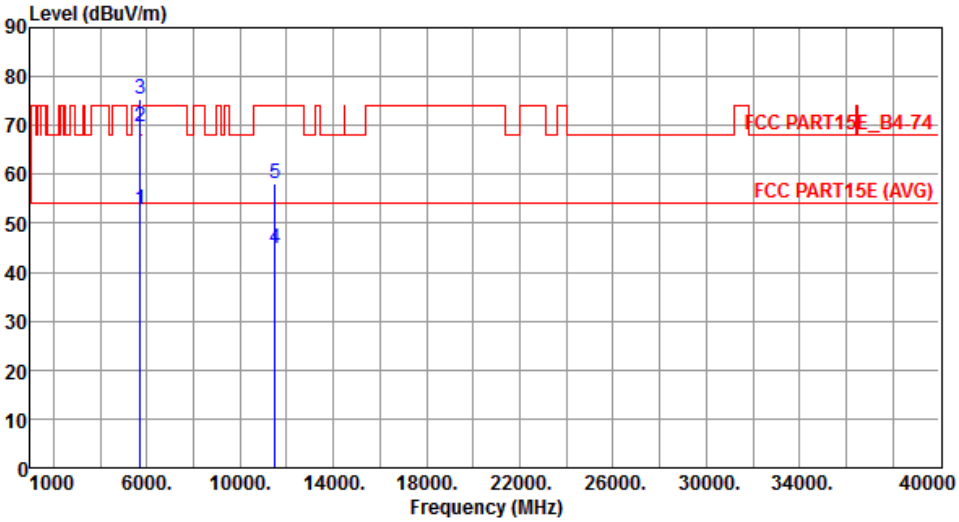
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5090.00	47.84	54.00	-6.16	42.36	5.48	Average	---	---
2	5090.00	60.56	74.00	-13.44	55.08	5.48	Peak	---	---
3	5150.00	52.94	54.00	-1.06	47.38	5.56	Average	---	---
4	5150.00	71.35	74.00	-2.65	65.79	5.56	Peak	---	---
5	5350.00	47.29	54.00	-6.71	41.58	5.71	Average	---	---
6	5350.00	60.51	74.00	-13.49	54.80	5.71	Peak	---	---
7	6973.33	49.22	68.20	-18.98	41.09	8.13	Peak	---	---
8	10460.00	56.58	68.20	-11.62	41.37	15.21	Peak	---	---

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

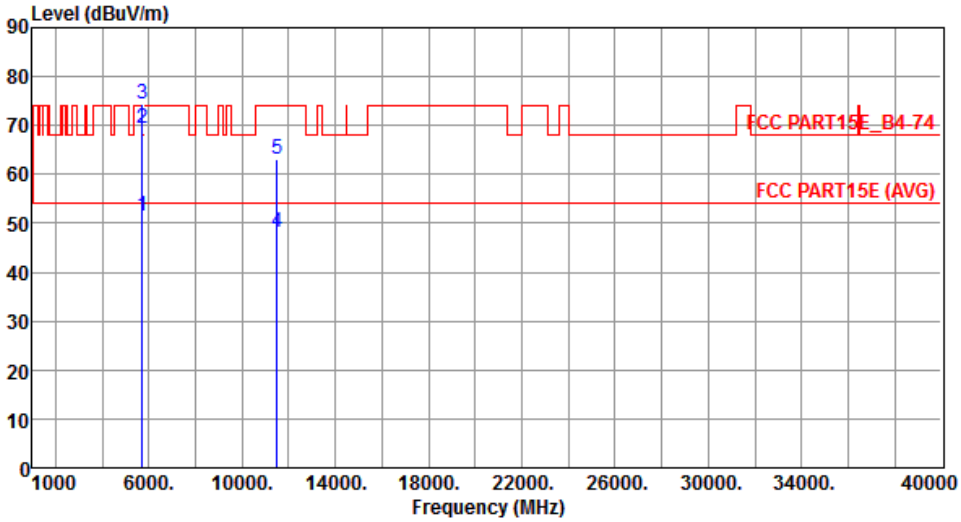
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.82	54.00	-1.18	47.24	5.58	Average	---	---
2	5715.00	69.85	74.00	-4.15	64.27	5.58	Peak	---	---
3	5725.00	75.51	78.20	-2.69	69.93	5.58	Peak	---	---
4	11510.00	44.97	54.00	-9.03	30.42	14.55	Average	---	---
5	11510.00	58.02	74.00	-15.98	43.47	14.55	Peak	---	---

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

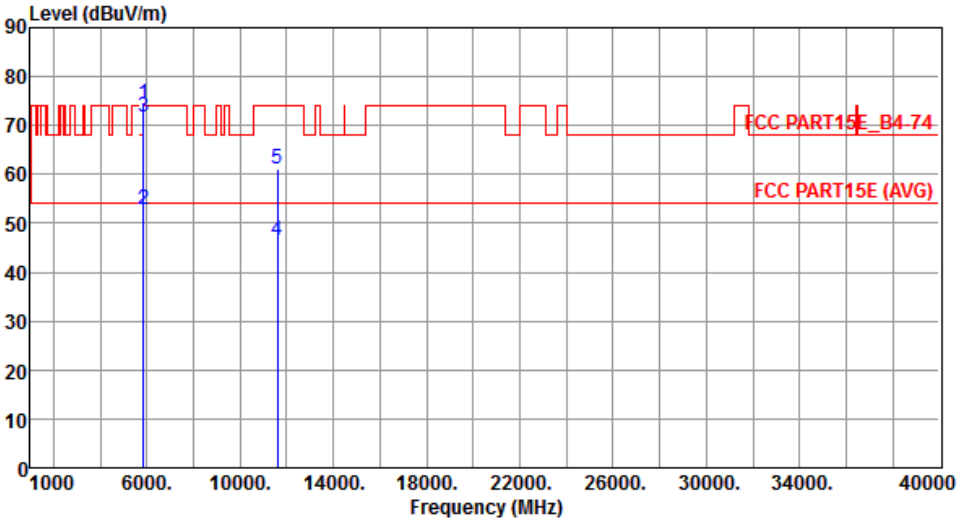
Modulation	VHT40	**Test Freq. (MHz)**	5755
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.48	54.00	-2.52	45.90	5.58	Average	---	---
2	5715.00	69.36	74.00	-4.64	63.78	5.58	Peak	---	---
3	5725.00	74.46	78.20	-3.74	68.88	5.58	Peak	---	---
4	11510.00	48.03	54.00	-5.97	33.48	14.55	Average	---	---
5	11510.00	63.08	74.00	-10.92	48.53	14.55	Peak	---	---

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

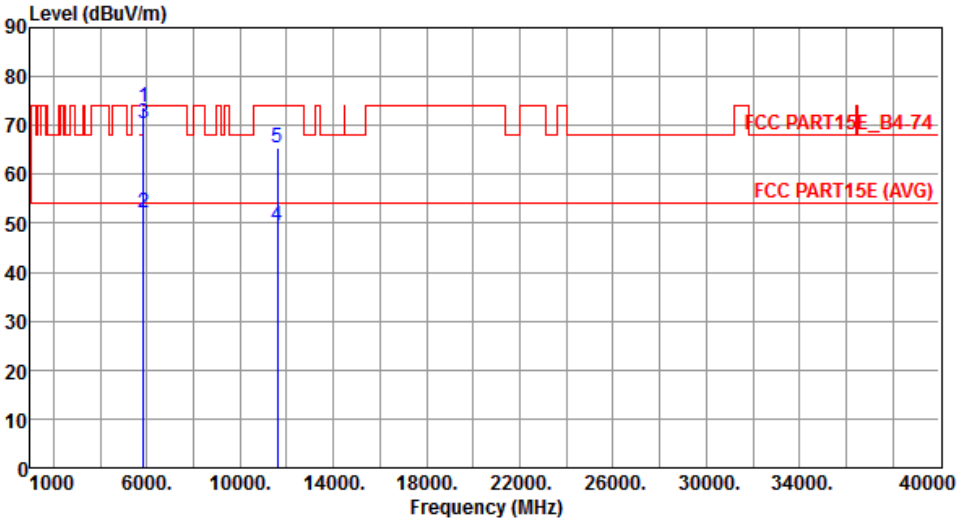
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Horizontal	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	74.45	78.20	-3.75	68.83	5.62	Peak	---	---
2	5860.00	52.92	54.00	-1.08	47.30	5.62	Average	---	---
3	5860.00	71.60	74.00	-2.40	65.98	5.62	Peak	---	---
4	11590.00	46.44	54.00	-7.56	31.99	14.45	Average	---	---
5	11590.00	60.99	74.00	-13.01	46.54	14.45	Peak	---	---

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

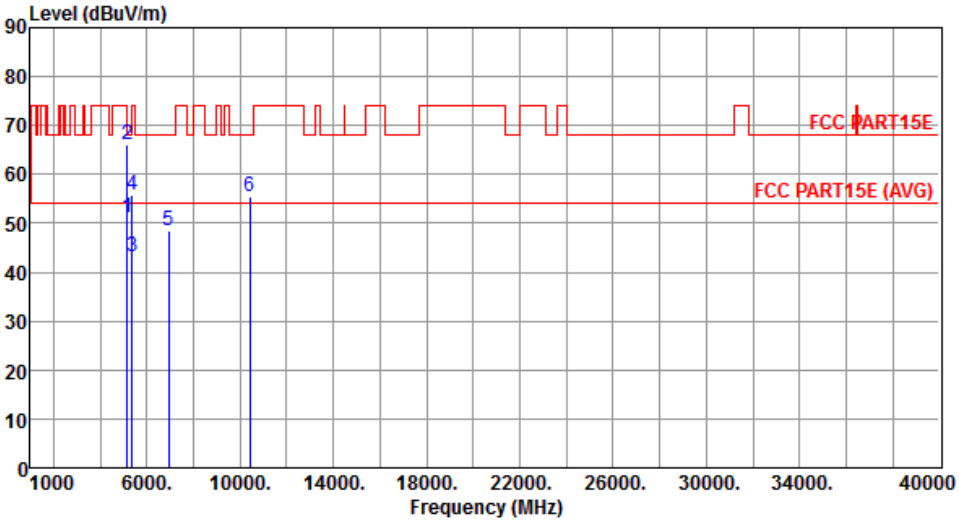
Modulation	VHT40	**Test Freq. (MHz)**	5795
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	73.58	78.20	-4.62	67.96	5.62	Peak	---	---
2	5860.00	52.13	54.00	-1.87	46.51	5.62	Average	---	---
3	5860.00	70.42	74.00	-3.58	64.80	5.62	Peak	---	---
4	11590.00	49.48	54.00	-4.52	35.03	14.45	Average	---	---
5	11590.00	65.44	74.00	-8.56	50.99	14.45	Peak	---	---

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

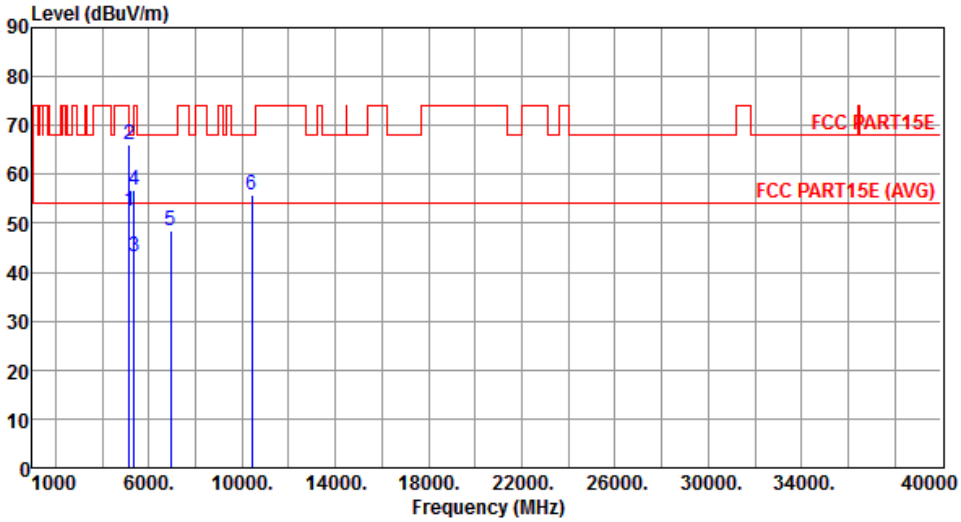
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.29	54.00	-2.71	45.73	5.56	Average	---	---
2	5150.00	66.12	74.00	-7.88	60.56	5.56	Peak	---	---
3	5350.00	43.12	54.00	-10.88	37.41	5.71	Average	---	---
4	5350.00	55.84	74.00	-18.16	50.13	5.71	Peak	---	---
5	6946.66	48.64	68.20	-19.56	40.52	8.12	Peak	---	---
6	10420.00	55.52	68.20	-12.68	40.37	15.15	Peak	---	---

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

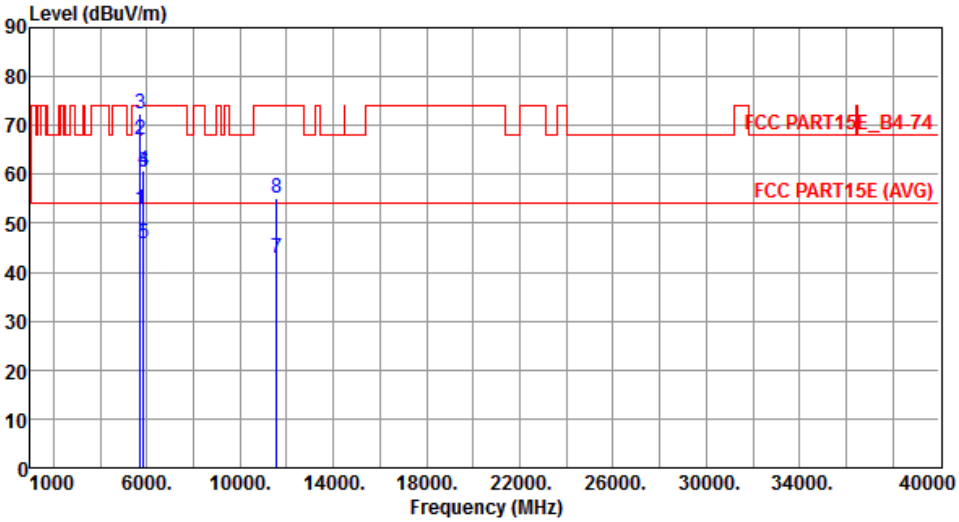
Modulation	VHT80	**Test Freq. (MHz)**	5210
Polarization	Vertical	**Test Configuration**	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.48	54.00	-1.52	46.92	5.56	Average	---	---
2	5150.00	66.22	74.00	-7.78	60.66	5.56	Peak	---	---
3	5350.00	43.20	54.00	-10.80	37.49	5.71	Average	---	---
4	5350.00	56.78	74.00	-17.22	51.07	5.71	Peak	---	---
5	6946.66	48.60	68.20	-19.60	40.48	8.12	Peak	---	---
6	10420.00	55.79	68.20	-12.41	40.64	15.15	Peak	---	---

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

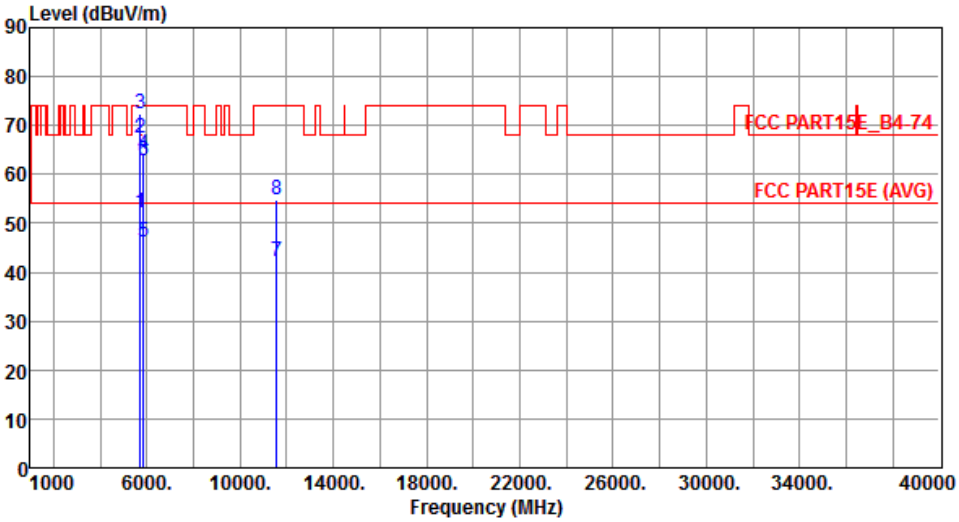
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.70	54.00	-1.30	47.12	5.58	Average	---	---
2	5715.00	67.16	74.00	-6.84	61.58	5.58	Peak	---	---
3	5725.00	72.56	78.20	-5.64	66.98	5.58	Peak	---	---
4	5850.00	60.71	78.20	-17.49	55.09	5.62	Peak	---	---
5	5860.00	45.75	54.00	-8.25	40.13	5.62	Average	---	---
6	5860.00	60.50	74.00	-13.50	54.88	5.62	Peak	---	---
7	11550.00	42.73	54.00	-11.27	28.23	14.50	Average	---	---
8	11550.00	55.03	74.00	-18.97	40.53	14.50	Peak	---	---

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.19	54.00	-1.81	46.61	5.58	Average	---	---
2	5715.00	67.38	74.00	-6.62	61.80	5.58	Peak	---	---
3	5725.00	72.54	78.20	-5.66	66.96	5.58	Peak	---	---
4	5850.00	64.25	78.20	-13.95	58.63	5.62	Peak	---	---
5	5860.00	46.21	54.00	-7.79	40.59	5.62	Average	---	---
6	5860.00	62.77	74.00	-11.23	57.15	5.62	Peak	---	---
7	11550.00	42.18	54.00	-11.82	27.68	14.50	Average	---	---
8	11550.00	54.84	74.00	-19.16	40.34	14.50	Peak	---	---

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

3.6 Frequency Stability

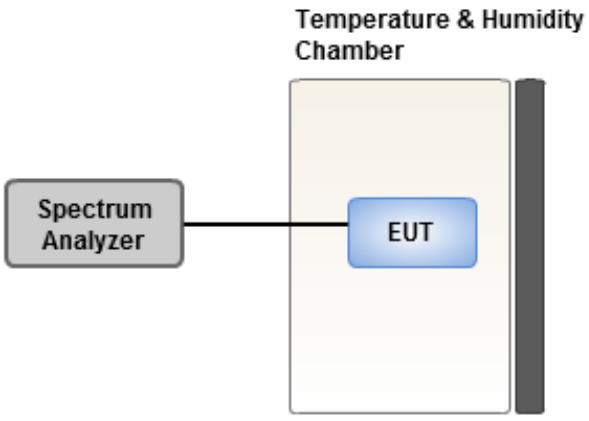
3.6.1 Limit of Frequency Stability

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 (Configuration 1: Internal PIFA antenna)

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.41	0.87	0.13	0.39
T20°CVmin	4.48	4.57	4.25	4.24
T50°CVnom	5.84	5.56	6.29	5.73
T40°CVnom	-0.60	-0.32	-0.33	0.14
T30°CVnom	2.10	2.74	2.19	2.76
T20°CVnom	1.99	2.42	2.43	2.15
T10°CVnom	1.18	1.42	0.92	1.13
T0°CVnom	0.84	1.51	0.74	1.27
T-10°CVnom	1.03	1.34	1.78	1.16
T-20°CVnom	-1.67	-1.32	-1.43	-1.24
T-30°CVnom	2.19	2.55	2.39	2.65
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

3.6.5 Test Result of Frequency Stability (Configuration 2: External Dipole antenna)

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.75	0.19	1.55	1.26
T20°CVmin	4.27	4.28	4.64	4.84
T50°CVnom	6.20	6.06	7.05	6.40
T40°CVnom	-0.59	-0.50	-0.84	-0.12
T30°CVnom	2.59	3.05	2.98	3.16
T20°CVnom	2.74	3.14	2.59	3.20
T10°CVnom	1.99	2.42	2.43	2.38
T0°CVnom	1.22	1.57	1.37	1.62
T-10°CVnom	1.41	1.74	1.80	1.48
T-20°CVnom	-1.71	-1.56	-1.96	-1.44
T-30°CVnom	1.91	2.56	1.90	2.43
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

3.6.6 Test Result of Frequency Stability (Configuration 3: External Directional Panel antenna (model WS-AI-DQ04360)

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.93	1.52	0.83	1.06
T20°CVmin	5.29	4.99	5.20	4.24
T50°CVnom	6.91	6.65	7.11	7.16
T40°CVnom	-0.48	0.27	0.22	-0.41
T30°CVnom	3.97	3.19	3.18	3.08
T20°CVnom	3.12	3.46	3.25	2.82
T10°CVnom	2.71	2.39	2.43	1.89
T0°CVnom	0.80	1.02	1.86	1.57
T-10°CVnom	2.07	2.47	2.00	2.32
T-20°CVnom	-1.45	-1.92	-1.52	-1.73
T-30°CVnom	1.83	1.57	2.43	2.24
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

3.6.7 Test Result of Frequency Stability (Configuration 4: External Directional Panel antenna (model WS-AI-DD05120)

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	1.03	1.00	0.68	1.05
T20°CVmin	4.73	4.56	4.15	4.65
T50°CVnom	6.58	6.11	6.74	6.91
T40°CVnom	-0.48	-0.12	-0.77	-0.31
T30°CVnom	3.45	2.50	3.23	2.92
T20°CVnom	2.80	2.46	3.20	2.97
T10°CVnom	2.12	2.13	2.63	2.42
T0°CVnom	1.22	1.85	1.55	1.68
T-10°CVnom	1.99	1.72	1.84	1.23
T-20°CVnom	-1.74	-1.85	-1.68	-1.41
T-30°CVnom	2.08	1.67	2.10	1.82
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, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

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

Linkou	**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 Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

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

Tel: 886-3-271-8666
Fax: 886-3-318-0155
Email: ICC_Service@icertifi.com.tw

==END==