FCC Test Report

FCC ID	:	**HLZA21001**
Equipment	:	**Tablet PC**
Marketing name	:	**ENDURO Urban T3 EUT310A-11A** **(Refer to item 1.1.1 for more details)**
Model No.	:	**A21001**
Brand Name	:	**acer**
Applicant	:	**Acer Incorporated**
Address	:	**9F, 88, Sec. 1, Xintai 5th Rd., New Taipei City 22181, Taiwan (R.O.C)**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Dec. 03, 2021**
Tested Date	:	**Dec. 06 ~ Dec. 22, 2021**

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

Reviewed by: **Approved by:**

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

Testing Laboratory 2732

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Release Record

Report No.	Version	Description	Issued Date
FR1D0301AN	Rev. 01	Initial issue	Jan. 03, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.644MHz 39.16 (Margin -6.84dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5460.00MHz 50.99 (Margin -3.01dB) - 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: 10.83 5250~5350MHz: 10.91 5470~5725MHz: 10.47 5725~5850MHz: 8.32	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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Marketing name	Description
acer	A21001	ENDURO T1 ET110A-11A	With shockproof housing (plastic housing, without any metal composition)
		ENDURO Urban T3 EUT310A-11A	Without shockproof housing

- All models are electrically identical, different model names are for marketing purpose.
- The above marketings, marketing **ENDURO Urban T3 EUT310A-11A** was selected as a representative one for the final test and only its data was recorded in this report.

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	MCS 0-7
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	1	MCS 0-7
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	1	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	1	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.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
					2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	cxytech	Z16	PIFA	N/A	5.46	3.76	3.68	4.28	2.96

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	5Vdc from adapter 3.8Vdc from battery

1.1.5 Accessories

Accessories		
No.	**Equipment**	**Description**
1	Adapter	Brand: TIANYIN Model: TPA-23A050200UU01 Power Rating: I/P: 100-240Vac, 50/60Hz, 0.3A O/P: 5Vdc⎓2.0A
2	Battery	Brand: ZHUHAI GREAT POWER ENERGY CO., LTD. Model: 289392 Rated Capacity: 5900mAh/22.42Wh Topical Capacity: 6000mAh/22.8Wh Nominal Voltage: 3.8V Limited Charge Voltage: 4.35V
3	USB cable	Brand: SHENZHEN BAISITAI COMPUTER Model: USB AM TO Type-C Line: 1m shielded without core

1.1.6 Channel List

802.11 a / HT20 / VHT20		802.11n HT40 / VHT40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	**802.11ac VHT80**	
120	5600	42	5210
124	5620	58	5290
128	5640	106	5530
132	5660	122	5610
136	5680	138	5690
140	5700	155	5775
144	5720	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	EngineerMode, Version: v4.4.107		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	97.66%	0.10
	HT20	97.50%	0.11
	HT40	94.28%	0.26
	VHT80	90.48%	0.43

1.1.8 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	12.5
11a	5200	12.5
11a	5240	12.5
11a	5260	11.5
11a	5300	11.5
11a	5320	11.5
11a	5500	12
11a	5580	12
11a	5700	11.5
11a	5720	11.5
11a	5745	9.5
11a	5785	9
11a	5825	9
HT20	5180	12.5
HT20	5200	12.5
HT20	5240	12.5
HT20	5260	12
HT20	5300	12
HT20	5320	12
HT20	5500	12
HT20	5580	12
HT20	5700	11.5
HT20	5720	11.5
HT20	5745	9.5
HT20	5785	9
HT20	5825	9

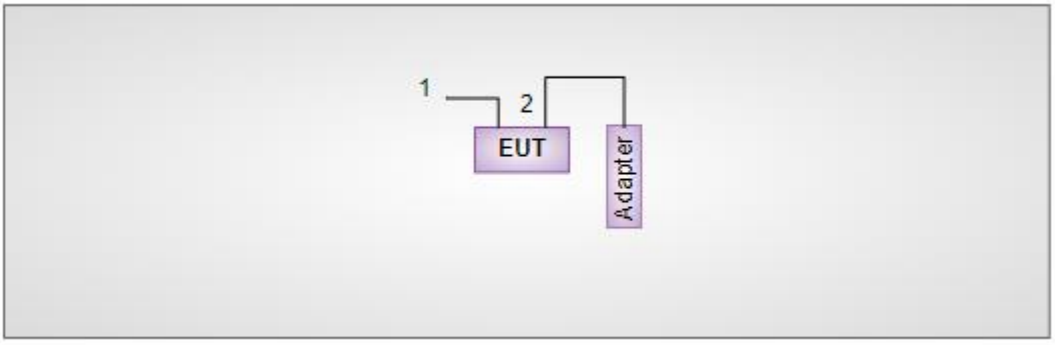
HT40	5190	13
HT40	5230	13
HT40	5270	12.5
HT40	5310	12.5
HT40	5510	12.5
HT40	5590	12.5
HT40	5670	12

HT40	5710	12
HT40	5755	9.5
HT40	5795	9
VHT20	5180	12.5
VHT20	5200	12.5
VHT20	5240	12.5
VHT20	5260	12
VHT20	5300	12
VHT20	5320	12
VHT20	5500	12
VHT20	5580	12
VHT20	5700	11.5
VHT20	5720	11.5
VHT20	5745	9.5
VHT20	5785	9
VHT20	5825	9
VHT40	5190	13
VHT40	5230	13
VHT40	5270	12.5
VHT40	5310	12.5
VHT40	5510	12
VHT40	5590	12
VHT40	5670	12
VHT40	5710	12
VHT40	5755	9.5
VHT40	5795	9
VHT80	5210	10
VHT80	5290	12.5
VHT80	5530	11
VHT80	5610	12
VHT80	5690	12
VHT80	5775	9.5

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Earphone	Samsung	EHS64	---	---

1.3 Test Setup Chart

Test Setup Diagram


No.	Signal cable / Length (m)
1	Audio, 1.2m non-shielded.
2	USB, 1m shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Dec. 08, 2021				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 08, 2021	Feb. 07, 2022
LISN	R&S	ENV216	101579	Mar. 17, 2021	Mar. 16, 2022
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Dec. 29, 2020	Dec. 28, 2021
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	04	May 25, 2021	May 24, 2022
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)				
Tested Date	Dec. 06 ~ Dec. 17, 2021				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 31, 2020	Dec. 30, 2021
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 28, 2021	Sep. 27, 2022
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Dec. 21 ~ Dec. 22, 2021				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101063	Apr. 19, 2021	Apr. 18, 2022
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 08, 2021	Nov. 07, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	May 25, 2021	May 24, 2022
Measurement Software	Sporton	SENSE-15407_NII	V5.10	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407
ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.41 dB
Radiated emission > 1GHz	±4.59 dB
Time	±0.1%
Temperature	±0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT80	5290	MCS 0	---
Radiated Emissions ≤1GHz	VHT80	5290	MCS 0	---
RF Output Power	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	---
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	---
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
Frequency Stability	Un-modulation	5320	---	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.

Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Test Configuration**
Conducted Emissions	VHT80	5775	MCS 0	---
Radiated Emissions ≤1GHz	VHT80	5775	MCS 0	---
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	---
	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	---
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.

3 Transmitter Test Results

3.1 Conducted Emissions

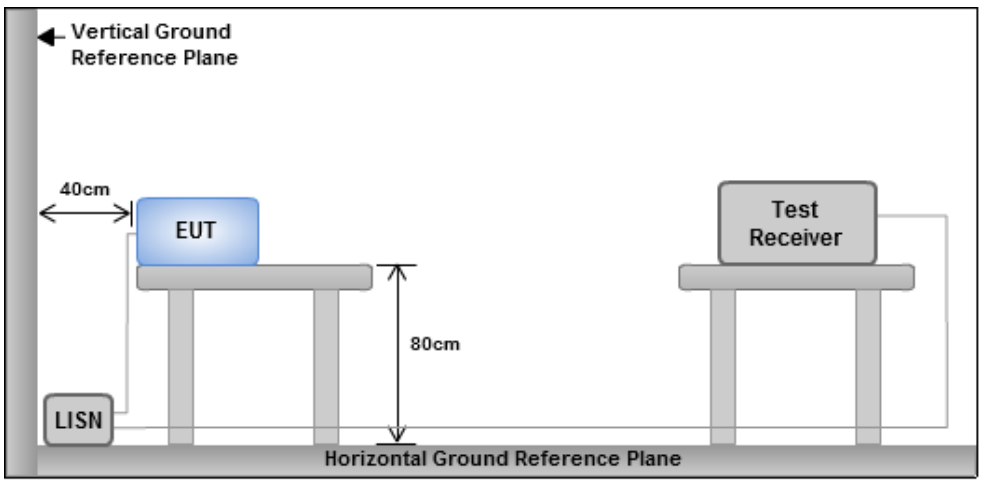
3.1.1 Limit of Conducted Emissions

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

3.1.2 Test Procedures

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

3.1.3 Test Setup



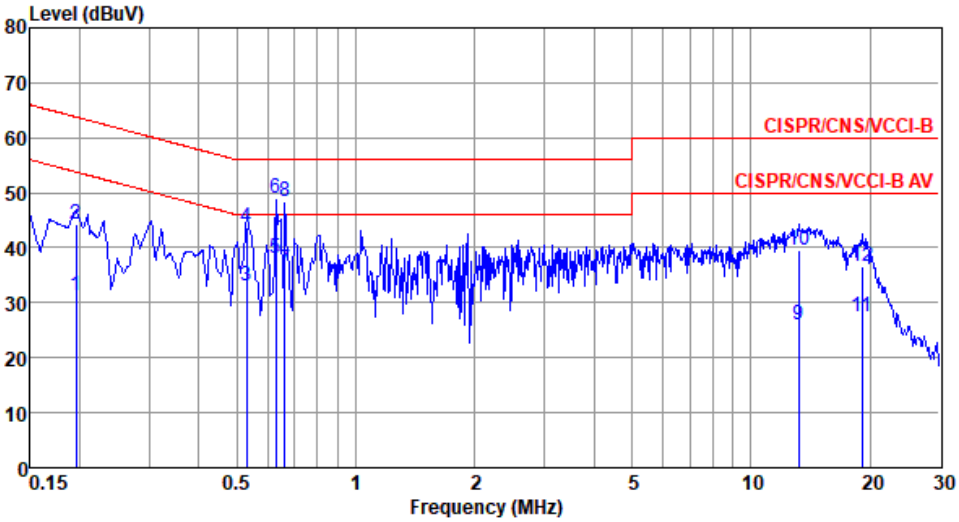
Note: 1. Support units were connected to second LISN.

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

3.1.4 Test Result of Conducted Emissions

Modulation	VHT80	Test Freq. (MHz)	5290
Power Phase	Line		

Test by : Roger Lu Temperature: 23°C Humidity: 61%

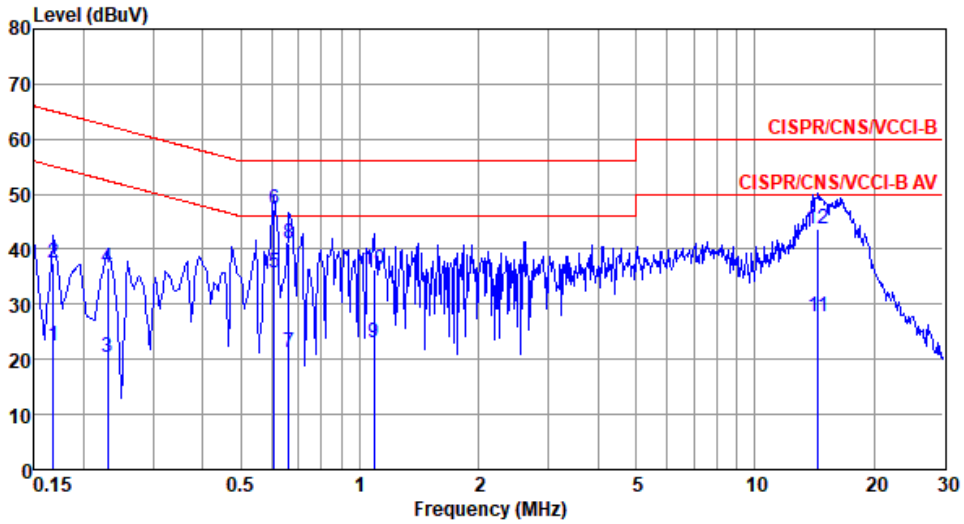


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.195	31.24	53.80	-22.56	21.29	9.65	0.08	0.22	Average
2	0.195	44.39	63.80	-19.41	34.44	9.65	0.08	0.22	QP
3	0.529	33.00	46.00	-13.00	22.90	9.64	0.10	0.36	Average
4	0.529	43.58	56.00	-12.42	33.48	9.64	0.10	0.36	QP
5	0.627	38.01	46.00	-7.99	27.89	9.64	0.12	0.36	Average
6*	0.627	49.10	56.00	-6.90	38.98	9.64	0.12	0.36	QP
7	0.661	36.12	46.00	-9.88	25.98	9.65	0.12	0.37	Average
8	0.661	48.34	56.00	-7.66	38.20	9.65	0.12	0.37	QP
9	13.197	25.90	50.00	-24.10	15.18	9.70	0.52	0.50	Average
10	13.197	39.57	60.00	-20.43	28.85	9.70	0.52	0.50	QP
11	19.122	27.32	50.00	-22.68	16.37	9.68	0.64	0.63	Average
12	19.122	36.55	60.00	-23.45	25.60	9.68	0.64	0.63	QP

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

Modulation	VHT80	Test Freq. (MHz)	5290
Power Phase	Neutral		

Test by : Roger Lu Temperature: 23°C Humidity: 61%

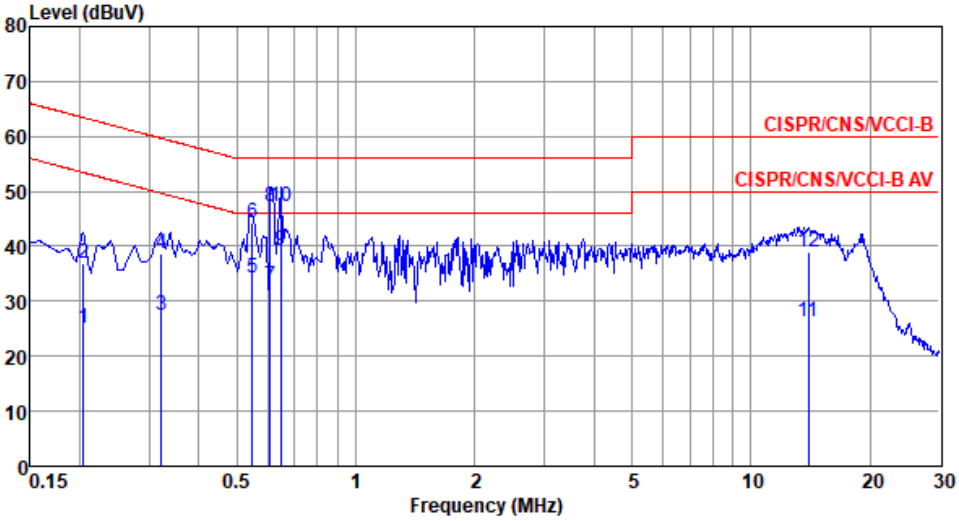


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.168	22.58	55.08	-32.50	12.64	9.69	0.08	0.17	Average
2	0.168	37.39	65.08	-27.69	27.45	9.69	0.08	0.17	QP
3	0.230	20.41	52.44	-32.03	10.47	9.68	0.08	0.18	Average
4	0.230	36.68	62.44	-25.76	26.74	9.68	0.08	0.18	QP
5	0.608	35.70	46.00	-10.30	25.68	9.67	0.12	0.23	Average
6*	0.608	47.21	56.00	-8.79	37.19	9.67	0.12	0.23	QP
7	0.661	21.12	46.00	-24.88	11.08	9.68	0.12	0.24	Average
8	0.661	41.00	56.00	-15.00	30.96	9.68	0.12	0.24	QP
9	1.088	22.95	46.00	-23.05	12.83	9.68	0.16	0.28	Average
10	1.088	36.33	56.00	-19.67	26.21	9.68	0.16	0.28	QP
11	14.440	27.82	50.00	-22.18	17.01	9.80	0.55	0.46	Average
12	14.440	43.79	60.00	-16.21	32.98	9.80	0.55	0.46	QP

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

Modulation	VHT80	Test Freq. (MHz)	5775
Power Phase	Line		

Test by : Roger Lu Temperature: 23°C Humidity: 61%

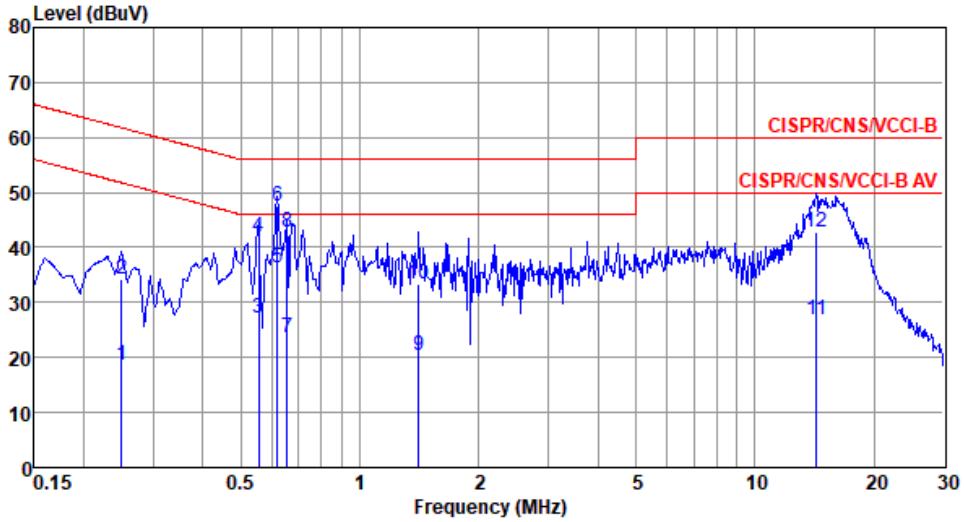


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.204	25.21	53.45	-28.24	15.26	9.65	0.08	0.22	Average
2	0.204	36.89	63.45	-26.56	26.94	9.65	0.08	0.22	QP
3	0.322	27.57	49.66	-22.09	17.53	9.64	0.08	0.32	Average
4	0.322	38.54	59.66	-21.12	28.50	9.64	0.08	0.32	QP
5	0.546	34.32	46.00	-11.68	24.21	9.64	0.11	0.36	Average
6	0.546	44.39	56.00	-11.61	34.28	9.64	0.11	0.36	QP
7	0.608	32.78	46.00	-13.22	22.66	9.64	0.12	0.36	Average
8	0.608	47.09	56.00	-8.91	36.97	9.64	0.12	0.36	QP
9*	0.644	39.16	46.00	-6.84	29.02	9.65	0.12	0.37	Average
10	0.644	47.18	56.00	-8.82	37.04	9.65	0.12	0.37	QP
11	13.989	26.41	50.00	-23.59	15.66	9.70	0.54	0.51	Average
12	13.989	38.84	60.00	-21.16	28.09	9.70	0.54	0.51	QP

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

Modulation	VHT80	Test Freq. (MHz)	5775
Power Phase	Neutral		

Test by : Roger Lu Temperature: 23°C Humidity: 61%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.249	18.58	51.78	-33.20	8.64	9.68	0.08	0.18	Average
2	0.249	34.38	61.78	-27.40	24.44	9.68	0.08	0.18	QP
3	0.555	27.18	46.00	-18.82	17.18	9.67	0.11	0.22	Average
4	0.555	41.85	56.00	-14.15	31.85	9.67	0.11	0.22	QP
5	0.617	36.29	46.00	-9.71	26.27	9.67	0.12	0.23	Average
6*	0.617	47.44	56.00	-8.56	37.42	9.67	0.12	0.23	QP
7	0.654	23.69	46.00	-22.31	13.65	9.68	0.12	0.24	Average
8	0.654	42.87	56.00	-13.13	32.83	9.68	0.12	0.24	QP
9	1.411	20.27	46.00	-25.73	10.12	9.68	0.18	0.29	Average
10	1.411	33.33	56.00	-22.67	23.18	9.68	0.18	0.29	QP
11	14.288	26.88	50.00	-23.12	16.07	9.80	0.55	0.46	Average
12	14.288	42.80	60.00	-17.20	31.99	9.80	0.55	0.46	QP

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

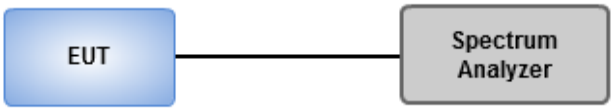
Occupied Bandwidth

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

Ambient Condition	21~22°C / 65~67%	Tested By	Roger Lu

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.855M	16.425M	16M4D1D	19.783M	16.425M
802.11n HT20_Nss1,(MCS0)_1TX	20M	17.511M	17M5D1D	19.928M	17.511M
802.11n HT40_Nss1,(MCS0)_1TX	41.014M	35.89M	35M9D1D	40.58M	35.89M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.739M	75.832M	75M8D1D	81.739M	75.832M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20.145M	16.498M	16M5D1D	19.928M	16.425M
802.11n HT20_Nss1,(MCS0)_1TX	20.217M	17.511M	17M5D1D	19.928M	17.511M
802.11n HT40_Nss1,(MCS0)_1TX	41.014M	36.035M	36M0D1D	40.87M	35.89M
802.11ac VHT80_Nss1,(MCS0)_1TX	82.029M	75.832M	75M8D1D	82.029M	75.832M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20M	16.57M	16M6D1D	14.957M	13.198M
802.11n HT20_Nss1,(MCS0)_1TX	20.58M	17.511M	17M5D1D	14.957M	13.719M
802.11n HT40_Nss1,(MCS0)_1TX	41.014M	36.179M	36M2D1D	35.304M	32.721M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.449M	75.832M	75M8D1D	75.87M	72.287M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.652M	16.425M	16M4D1D	2.899M	4.11M
802.11n HT20_Nss1,(MCS0)_1TX	16.812M	17.583M	17M6D1D	3.768M	4.284M
802.11n HT40_Nss1,(MCS0)_1TX	35.072M	36.179M	36M2D1D	3.13M	11.114M
802.11ac VHT80_Nss1,(MCS0)_1TX	75.362M	75.832M	75M8D1D	3.188M	20.55M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

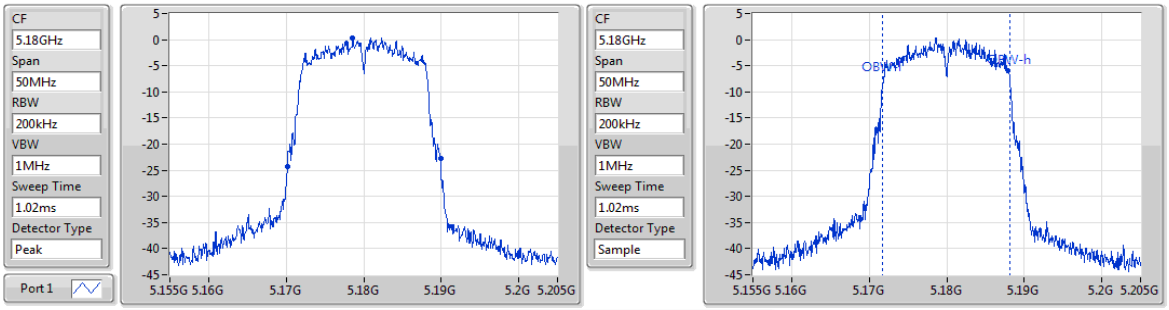
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	19.783M	16.425M
5200MHz	Pass	Inf	19.783M	16.425M
5240MHz	Pass	Inf	19.855M	16.425M
5260MHz	Pass	Inf	19.928M	16.425M
5300MHz	Pass	Inf	19.928M	16.425M
5320MHz	Pass	Inf	20.145M	16.498M
5500MHz	Pass	Inf	19.928M	16.57M
5580MHz	Pass	Inf	20M	16.57M
5700MHz	Pass	Inf	20M	16.425M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.957M	13.198M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	2.899M	4.11M
5745MHz	Pass	500k	13.043M	16.425M
5785MHz	Pass	500k	15.652M	16.425M
5825MHz	Pass	500k	15.072M	16.425M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20M	17.511M
5200MHz	Pass	Inf	20M	17.511M
5240MHz	Pass	Inf	19.928M	17.511M
5260MHz	Pass	Inf	20.217M	17.511M
5300MHz	Pass	Inf	20.145M	17.511M
5320MHz	Pass	Inf	19.928M	17.511M
5500MHz	Pass	Inf	20.58M	17.511M
5580MHz	Pass	Inf	20.362M	17.511M
5700MHz	Pass	Inf	20M	17.511M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.957M	13.719M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.768M	4.284M
5745MHz	Pass	500k	13.841M	17.583M
5785MHz	Pass	500k	16.812M	17.511M
5825MHz	Pass	500k	15.072M	17.511M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.014M	35.89M
5230MHz	Pass	Inf	40.58M	35.89M
5270MHz	Pass	Inf	41.014M	36.035M
5310MHz	Pass	Inf	40.87M	35.89M
5510MHz	Pass	Inf	41.014M	36.179M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5550MHz	Pass	Inf	40.435M	35.89M
5590MHz	Pass	Inf	41.014M	36.035M
5670MHz	Pass	Inf	40.87M	35.89M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.304M	32.721M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	11.114M
5755MHz	Pass	500k	35.072M	36.179M
5795MHz	Pass	500k	35.072M	36.035M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.739M	75.832M
5290MHz	Pass	Inf	82.029M	75.832M
5530MHz	Pass	Inf	81.449M	75.832M
5610MHz	Pass	Inf	81.449M	75.832M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.87M	72.287M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.188M	20.55M
5775MHz	Pass	500k	75.362M	75.832M

Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX **EBW**

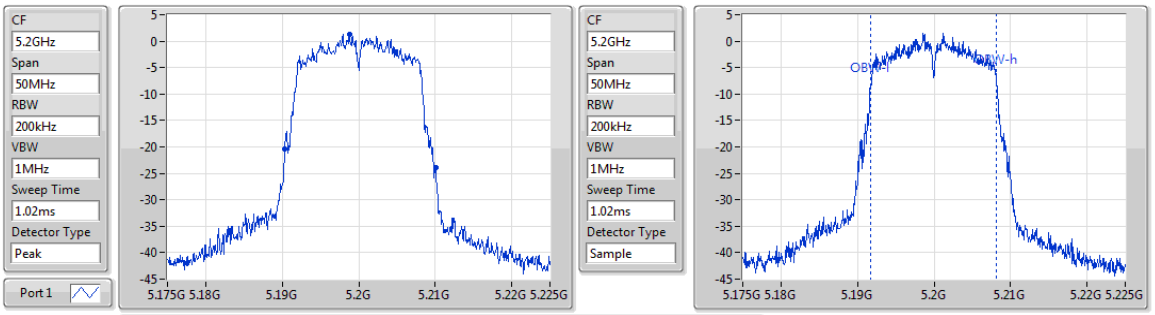
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.783M	5.170145G	5.189928G	16.425M	5.171751G	5.188177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

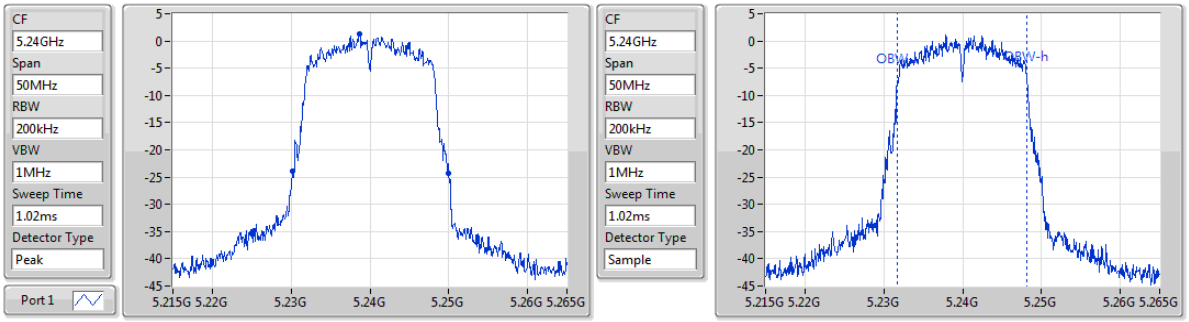
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.783M	5.19029G	5.210072G	16.425M	5.191751G	5.208177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

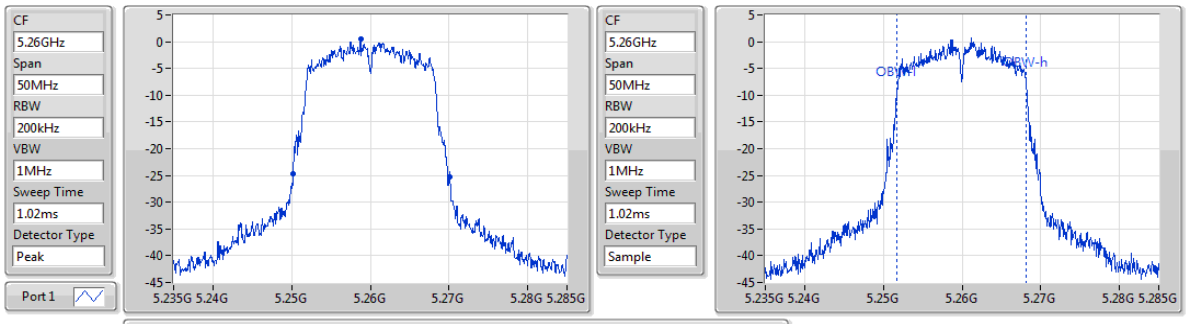
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.855M	5.230145G	5.25G	16.425M	5.231751G	5.248177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

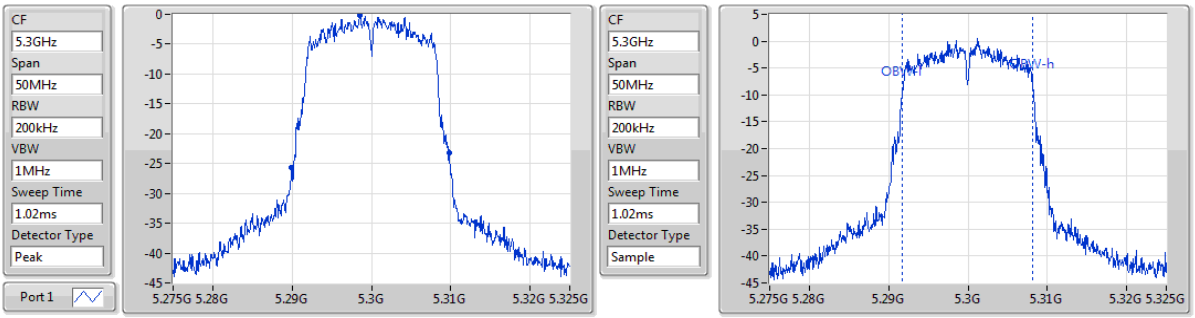
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.250217G	5.270145G	16.425M	5.251751G	5.268177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

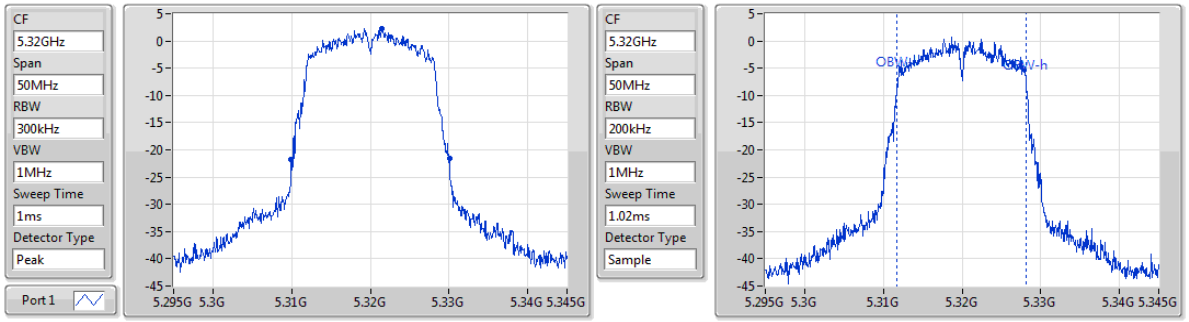
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.289928G	5.309855G	16.425M	5.291751G	5.308177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

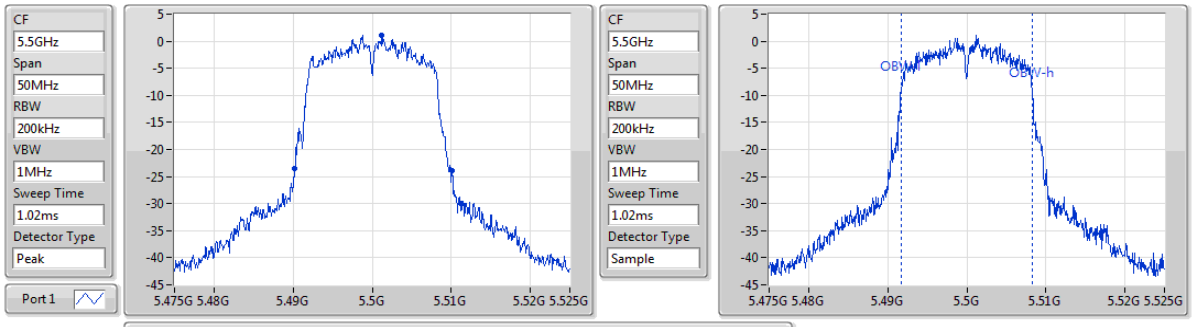
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.145M	5.309928G	5.330072G	16.498M	5.311679G	5.328177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

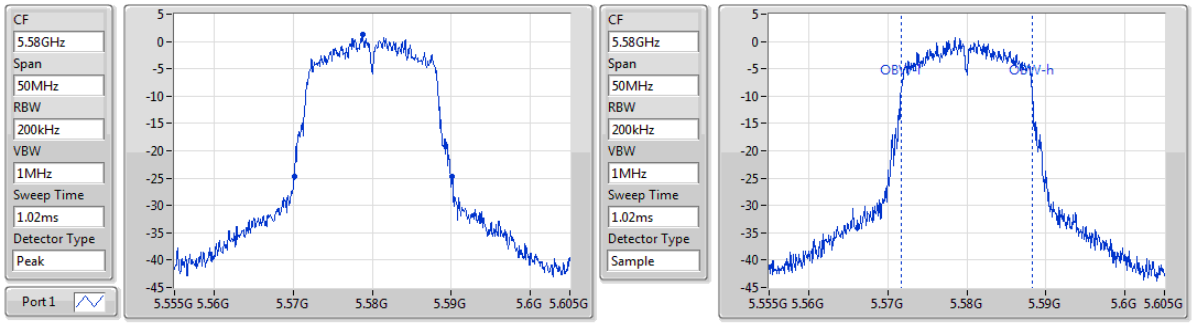
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.490217G	5.510145G	16.57M	5.491679G	5.508249G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

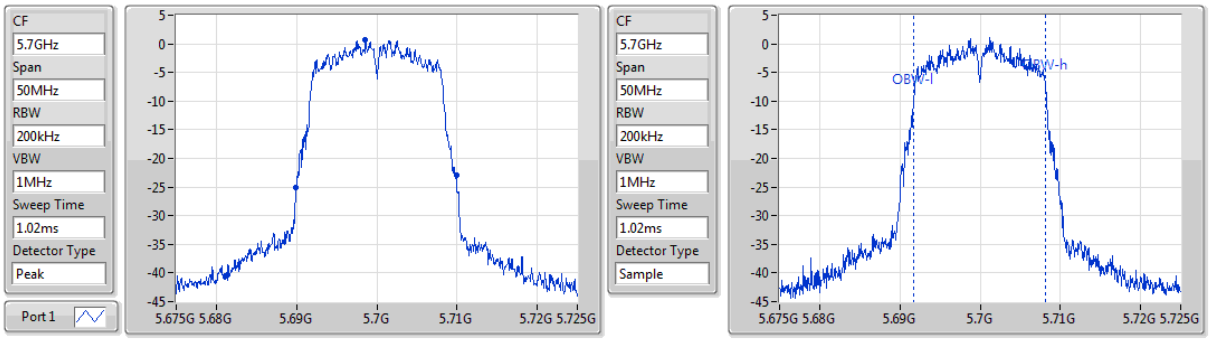
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.570145G	5.590145G	16.57M	5.571679G	5.588249G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

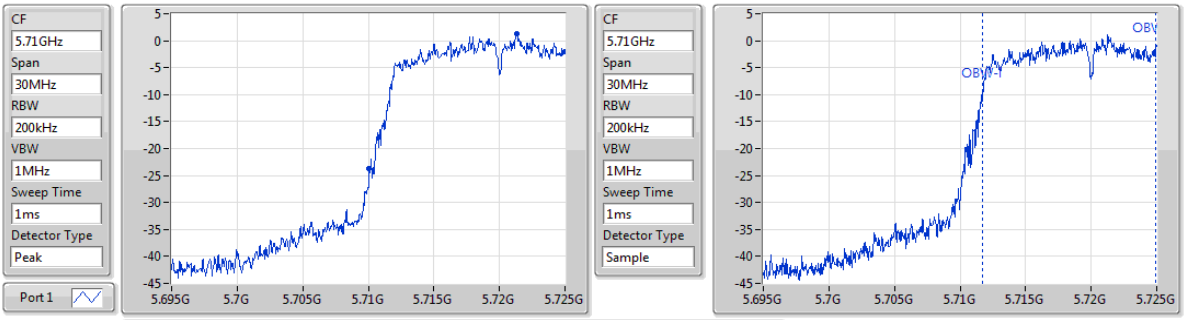
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.689928G	5.709928G	16.425M	5.691751G	5.708177G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

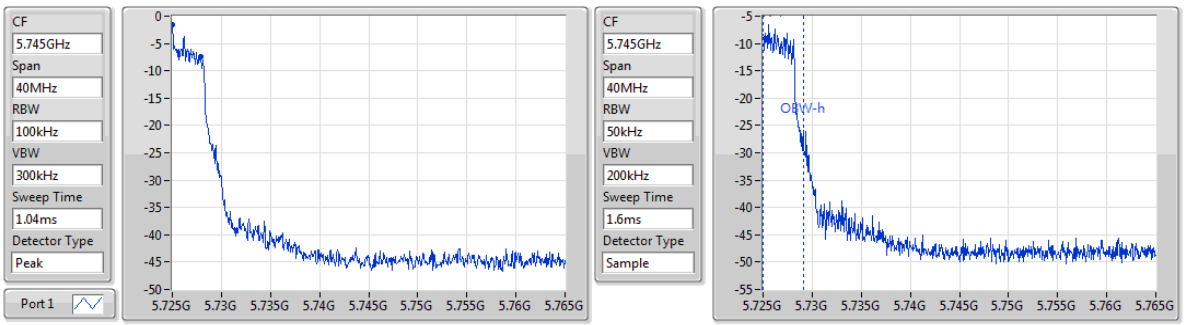
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.957M	5.710043G	5.725G	13.198M	5.711737G	5.724935G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

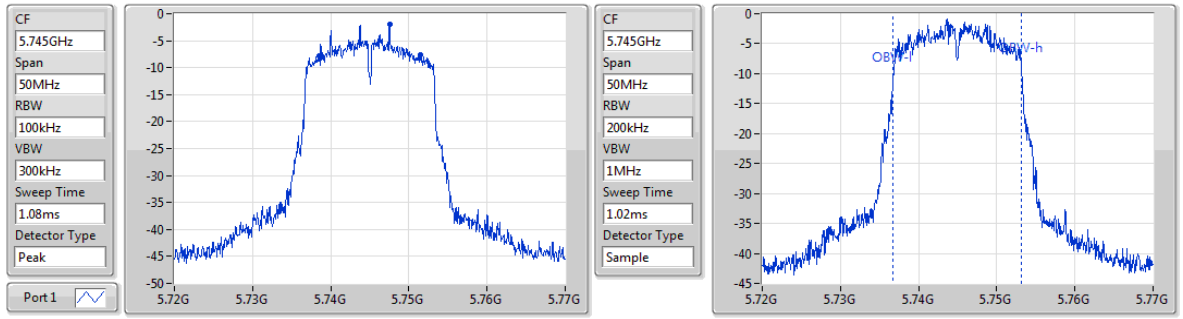
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.899M	5.725G	5.727899G	4.11M	5.725029G	5.729139G	500k	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

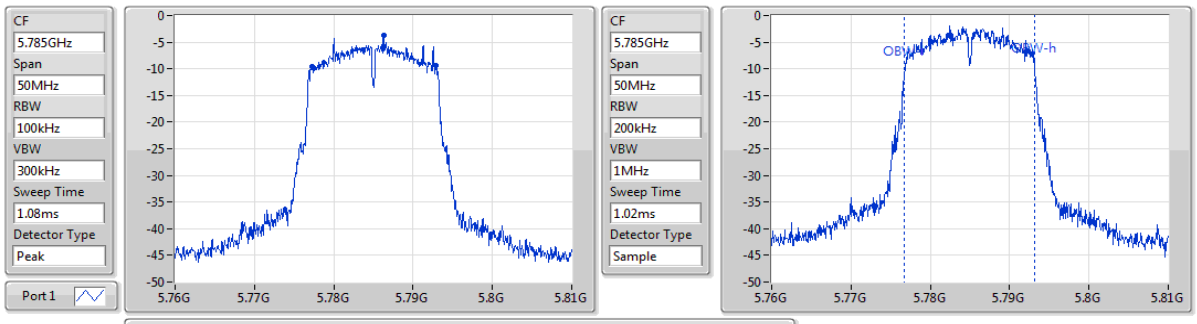
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.043M	5.738478G	5.751522G	16.425M	5.736751G	5.753177G	500k	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

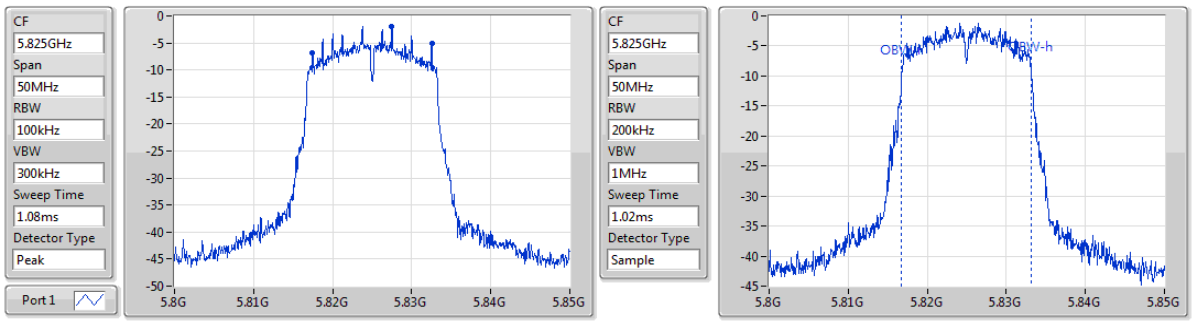
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.652M	5.777246G	5.792899G	16.425M	5.776751G	5.793177G	500k	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

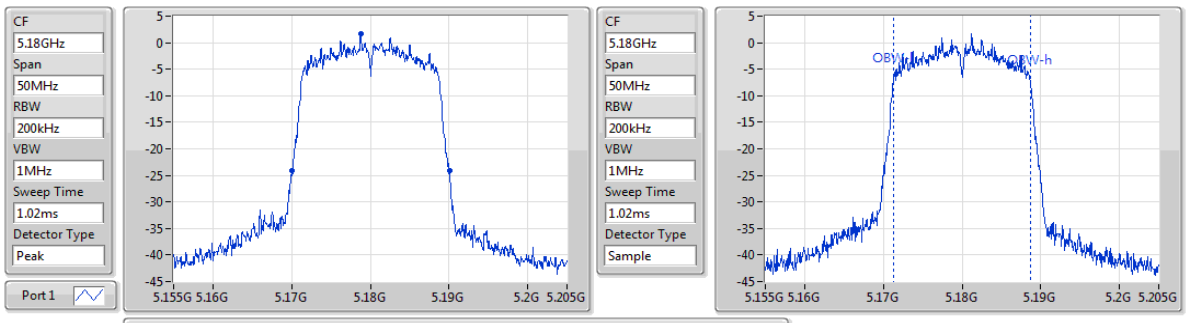
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.072M	5.817464G	5.832536G	16.425M	5.816751G	5.833177G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

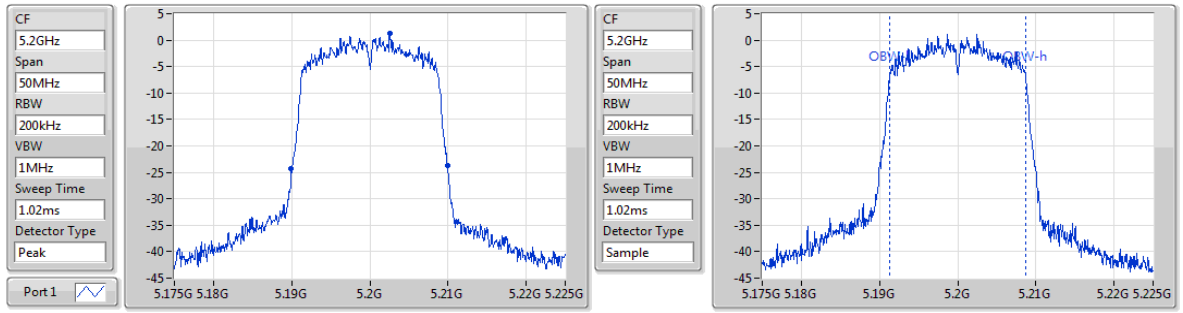
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.170072G	5.190072G	17.511M	5.171245G	5.188755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

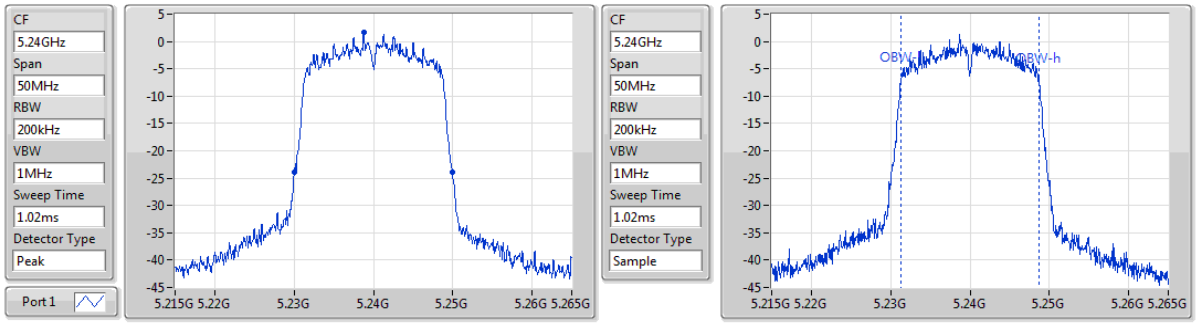
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.189928G	5.209928G	17.511M	5.191245G	5.208755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

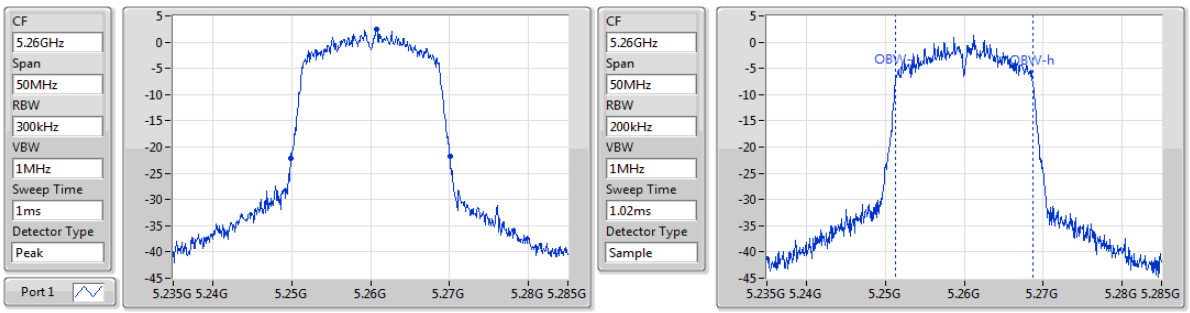
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.23G	5.249928G	17.511M	5.231245G	5.248755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

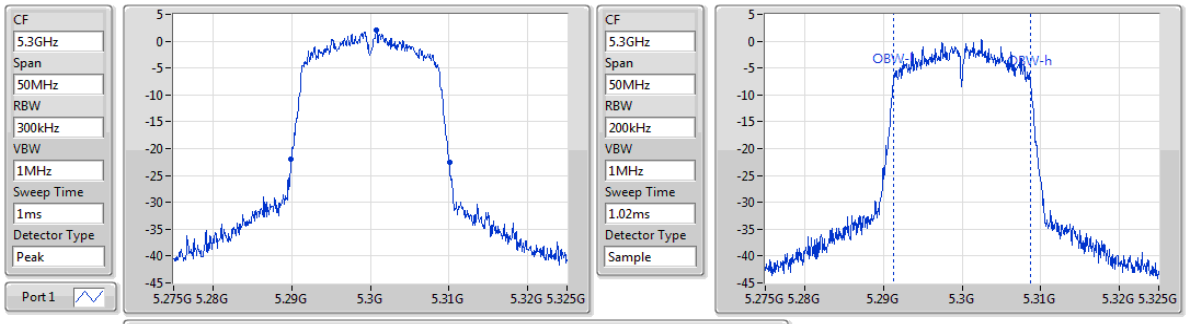
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.217M	5.249855G	5.270072G	17.511M	5.251245G	5.268755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

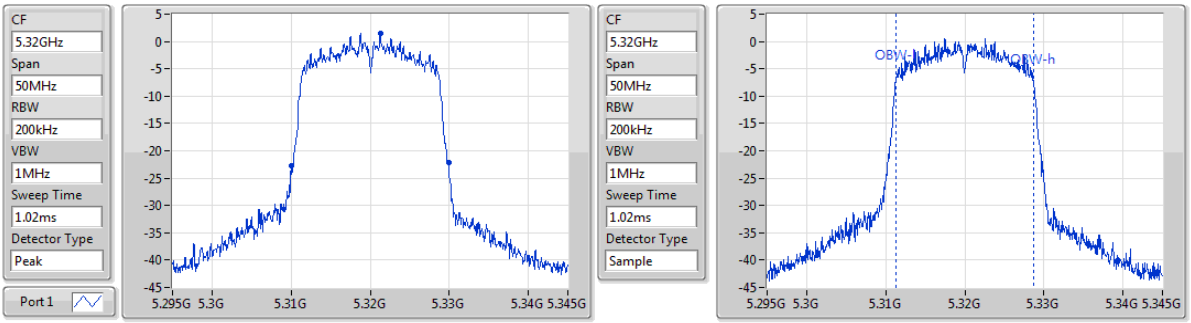
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.145M	5.289928G	5.310072G	17.511M	5.291245G	5.308755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

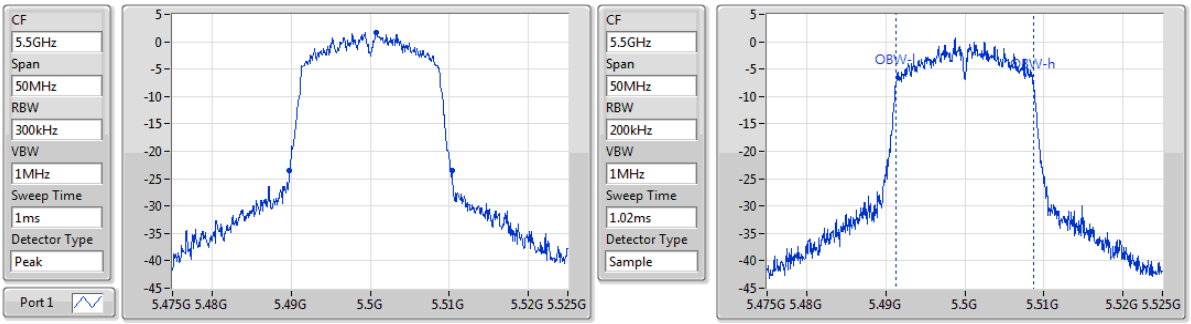
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.31G	5.329928G	17.511M	5.311245G	5.328755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

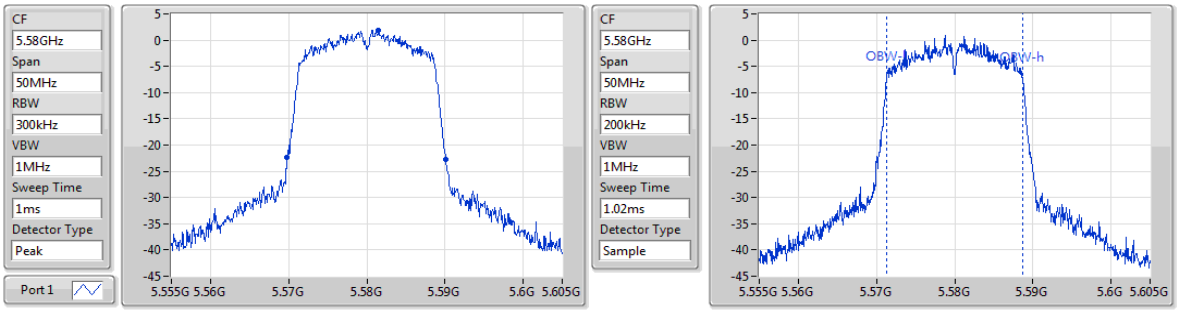
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.489783G	5.510362G	17.511M	5.491245G	5.508755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

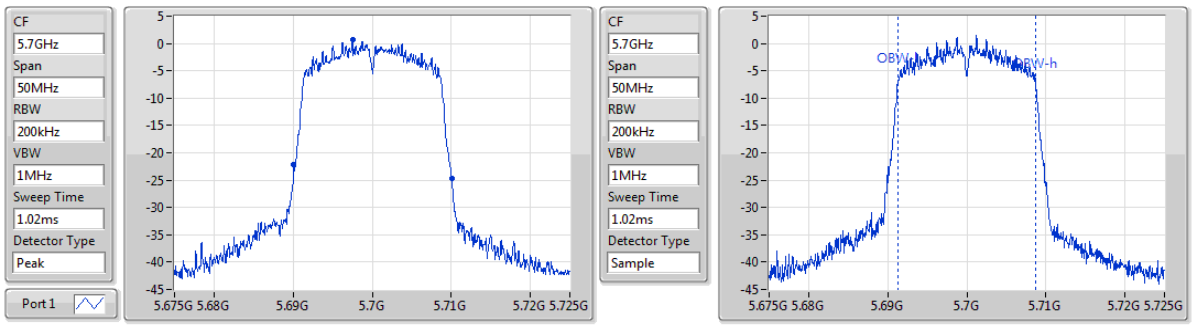
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.362M	5.569783G	5.590145G	17.511M	5.571245G	5.588755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

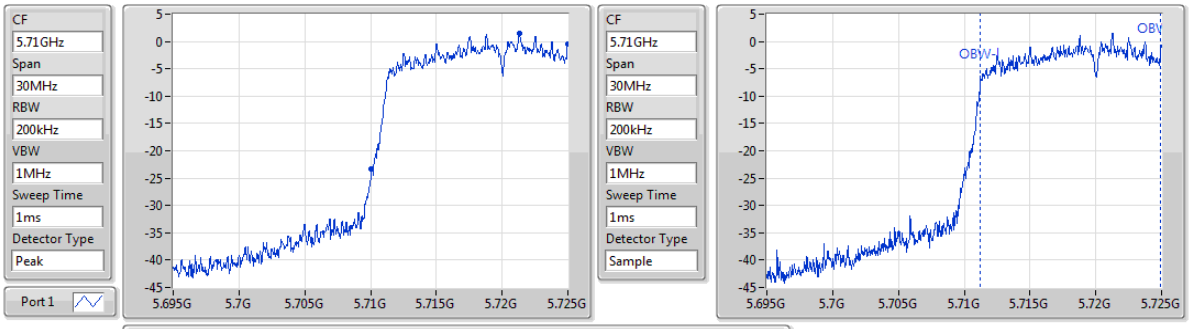
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.690072G	5.710072G	17.511M	5.691245G	5.708755G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

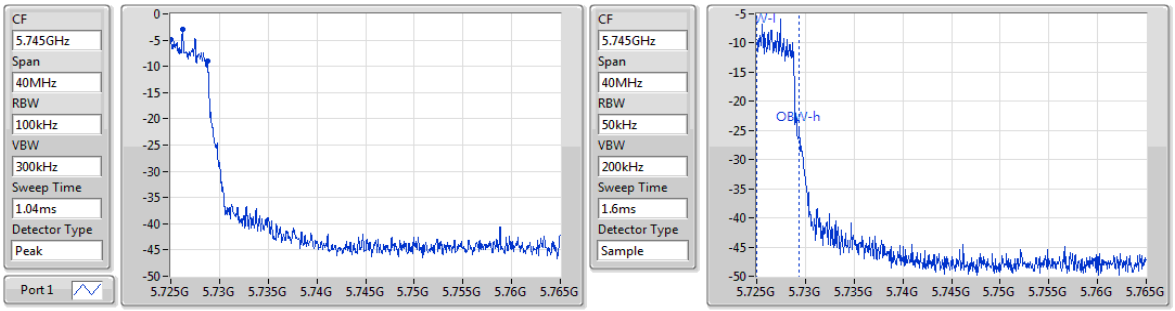
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.957M	5.710043G	5.725G	13.719M	5.711216G	5.724935G	Inf	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

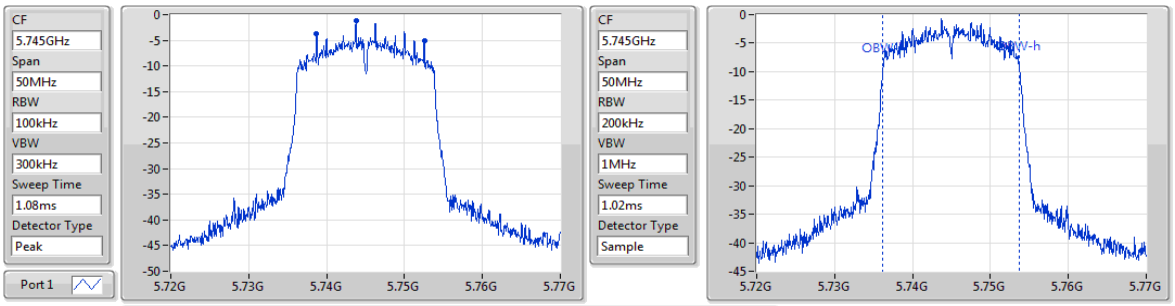
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.768M	5.725G	5.728768G	4.284M	5.725029G	5.729313G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

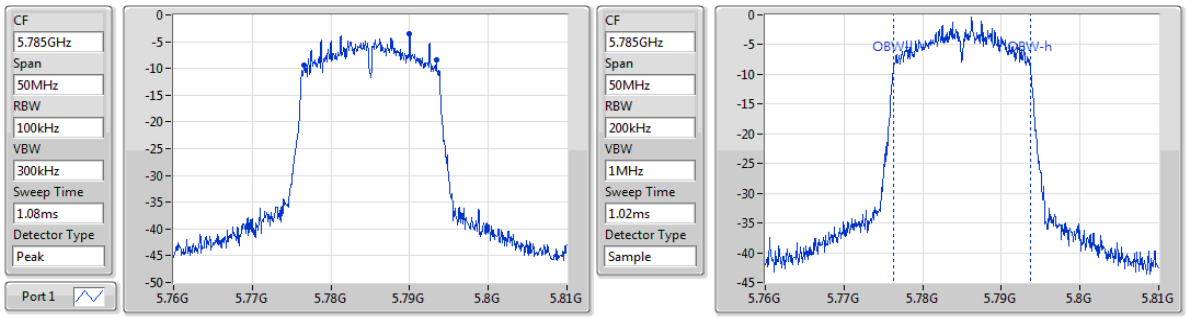
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.841M	5.738696G	5.752536G	17.583M	5.736172G	5.753755G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

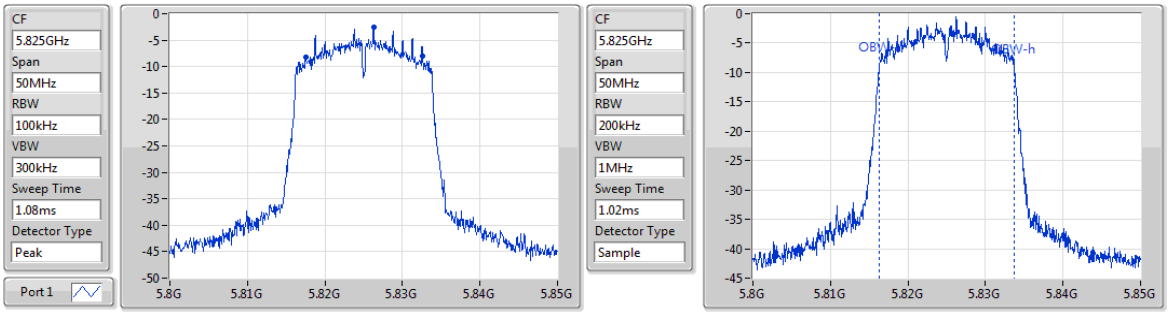
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.812M	5.776594G	5.793406G	17.511M	5.776245G	5.793755G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX **EBW**

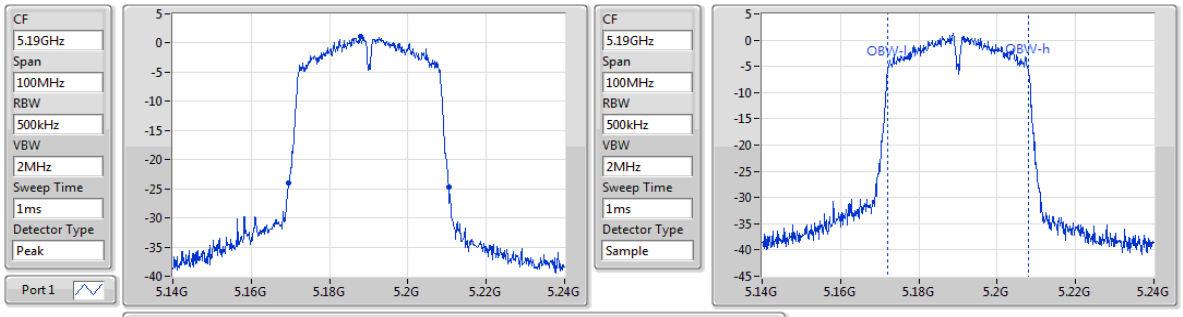
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.072M	5.817536G	5.832609G	17.511M	5.816245G	5.833755G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

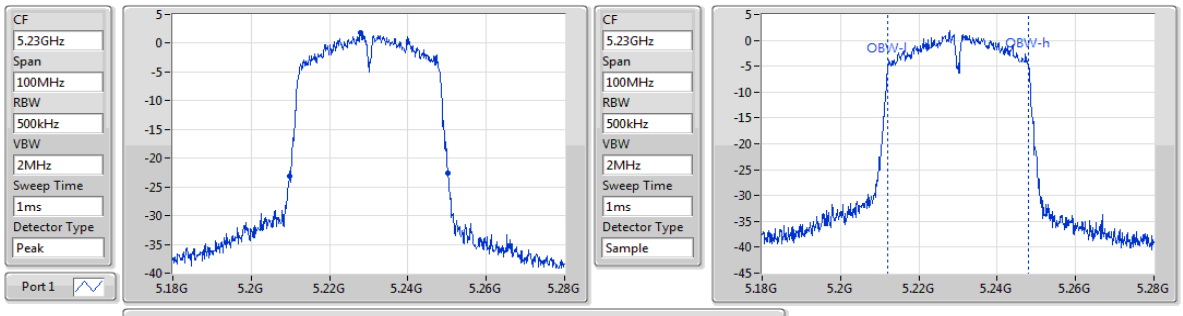
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.014M	5.16942G	5.210435G	35.89M	5.172055G	5.207945G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

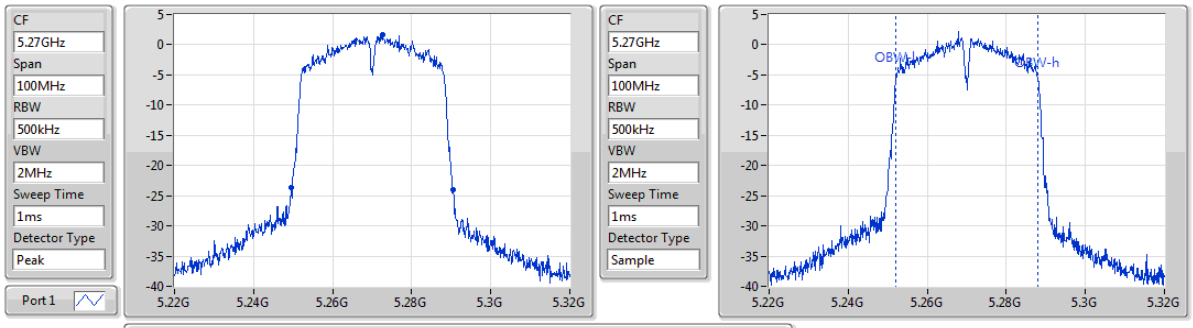
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.58M	5.20971G	5.25029G	35.89M	5.212055G	5.247945G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

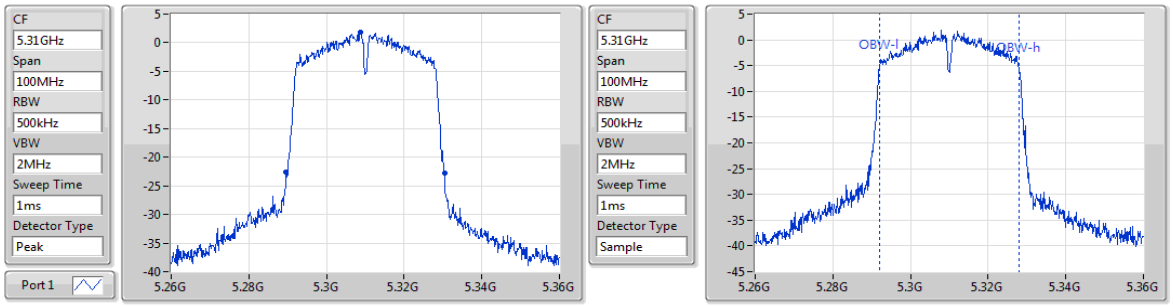
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.014M	5.249565G	5.29058G	36.035M	5.252055G	5.28809G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

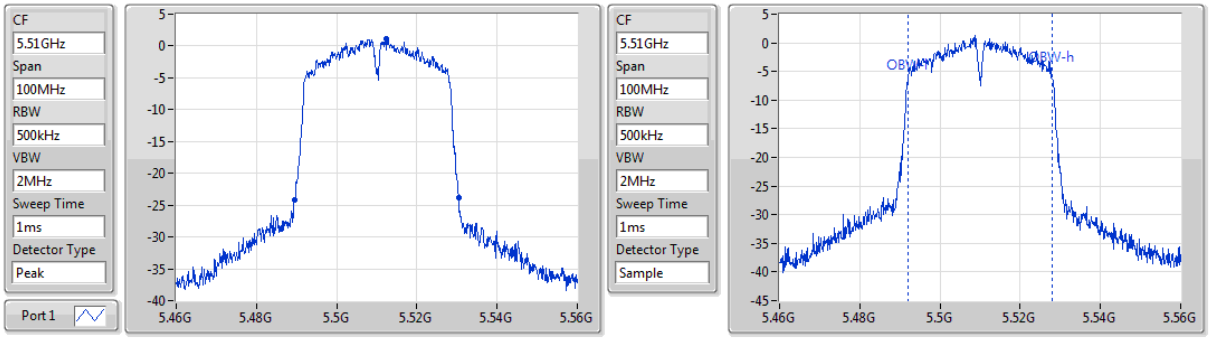
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.87M	5.289565G	5.330435G	35.89M	5.292055G	5.327945G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

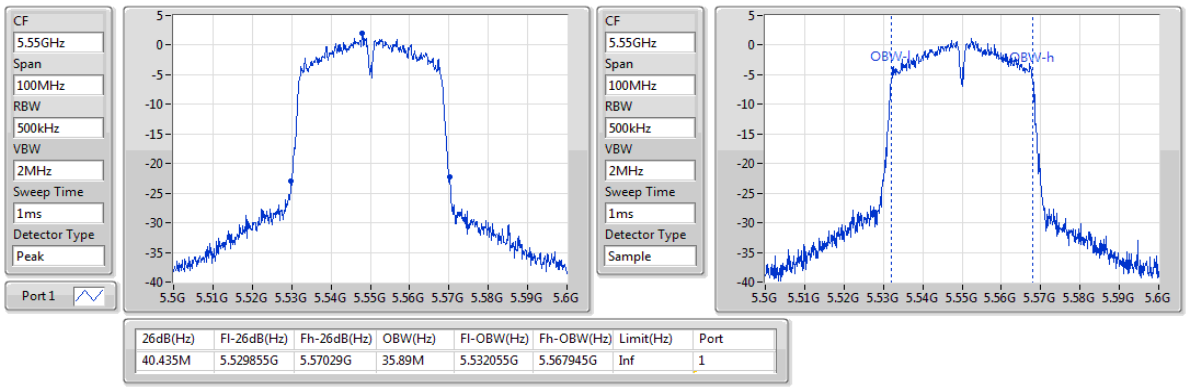
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.014M	5.48942G	5.530435G	36.179M	5.49191G	5.52809G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

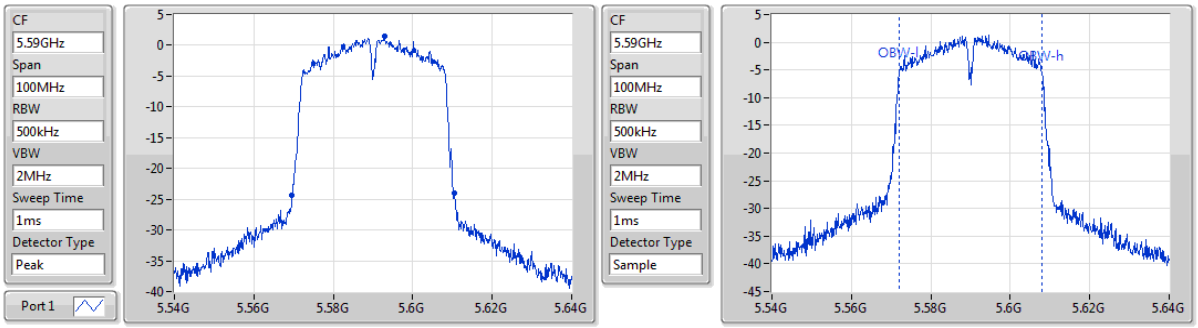
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.435M	5.529855G	5.57029G	35.89M	5.532055G	5.567945G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

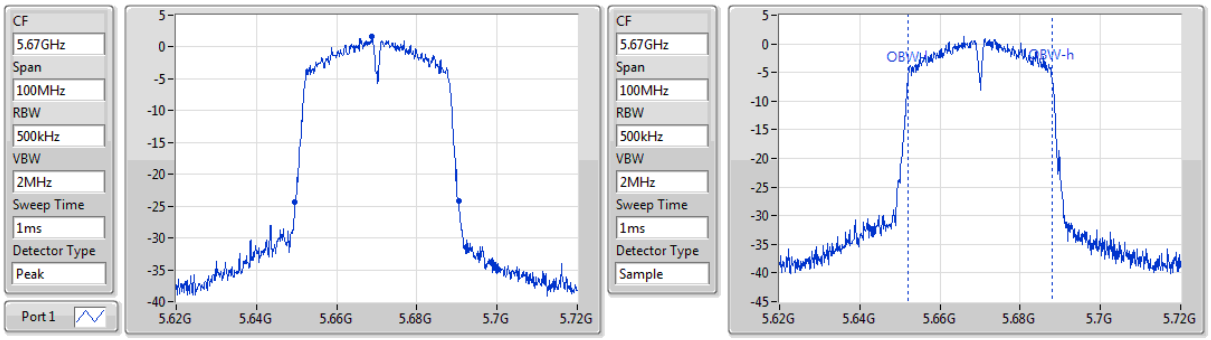
5590MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.014M	5.569565G	5.61058G	36.035M	5.572055G	5.60809G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

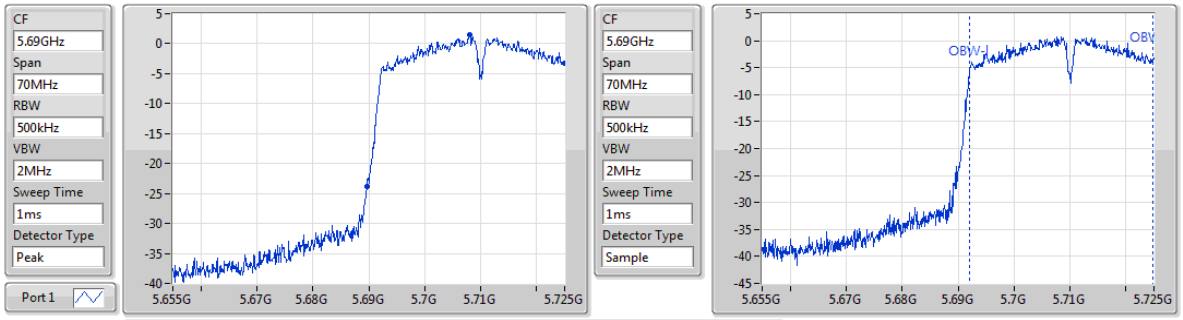
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.87M	5.649565G	5.690435G	35.89M	5.652055G	5.687945G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

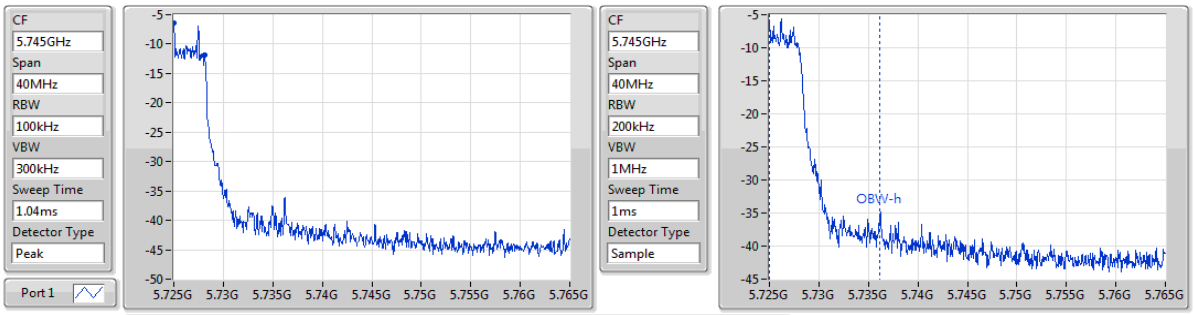
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.304M	5.689696G	5.725G	32.721M	5.692026G	5.724747G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

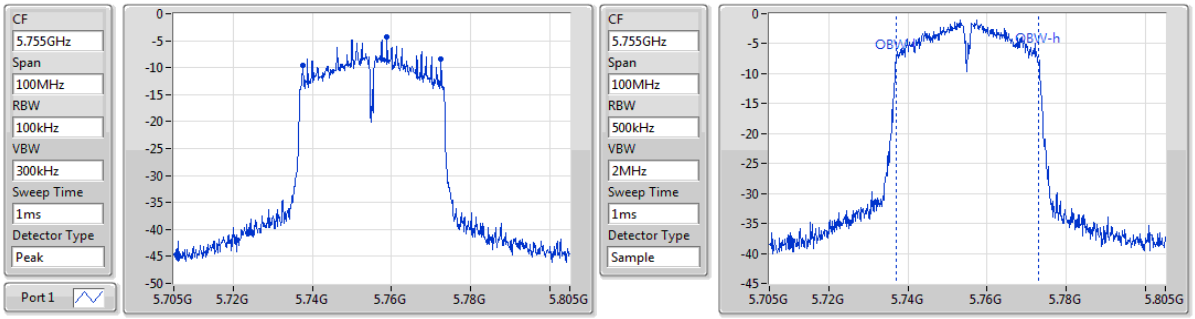
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.13M	5.725G	5.72813G	11.114M	5.725029G	5.736143G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX **EBW**

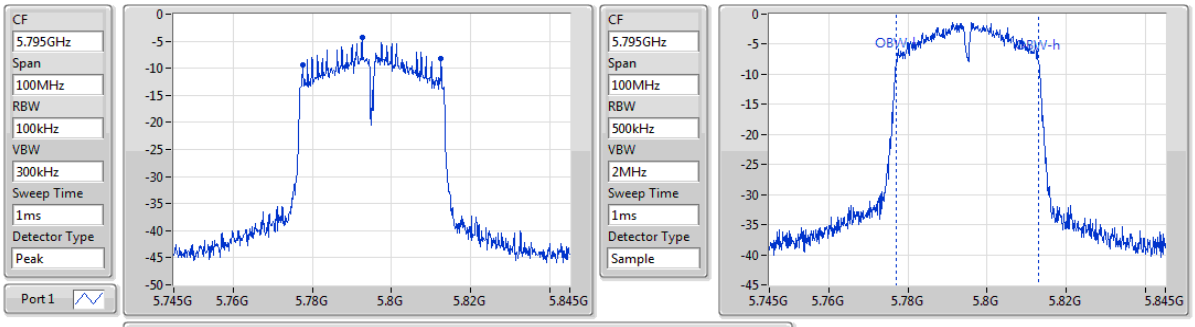
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.072M	5.737464G	5.772536G	36.179M	5.73691G	5.77309G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

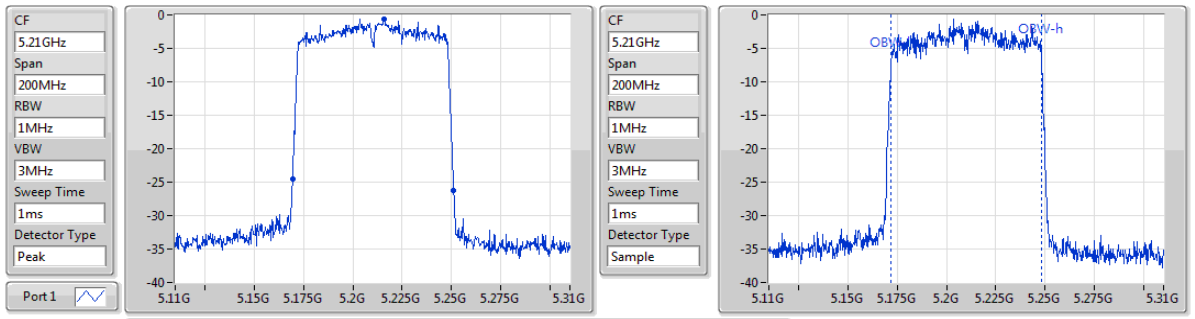
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.072M	5.777464G	5.812536G	36.035M	5.777055G	5.81309G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

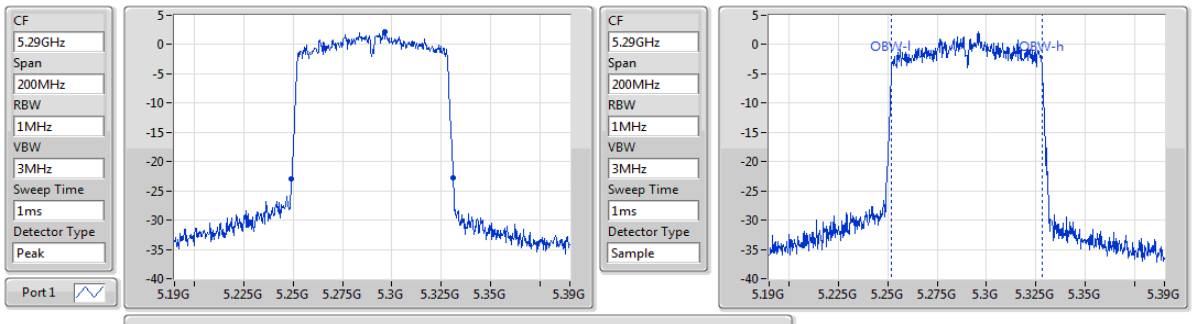
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.739M	5.16942G	5.251159G	75.832M	5.172084G	5.247916G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

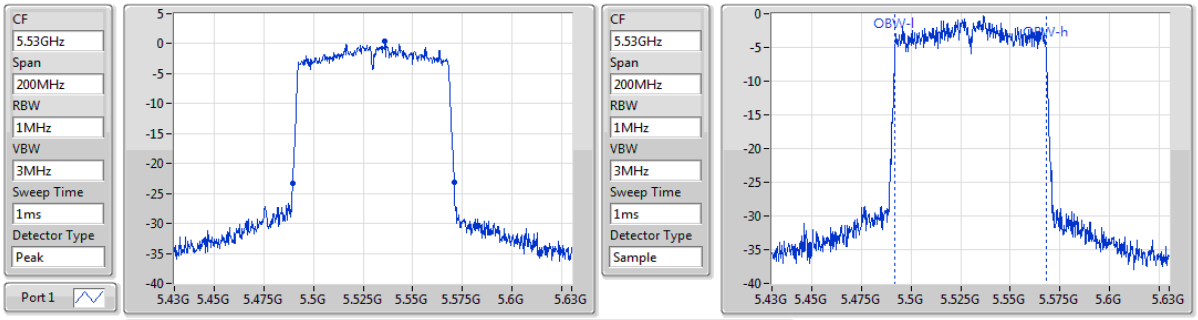
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.029M	5.24913G	5.331159G	75.832M	5.252084G	5.327916G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

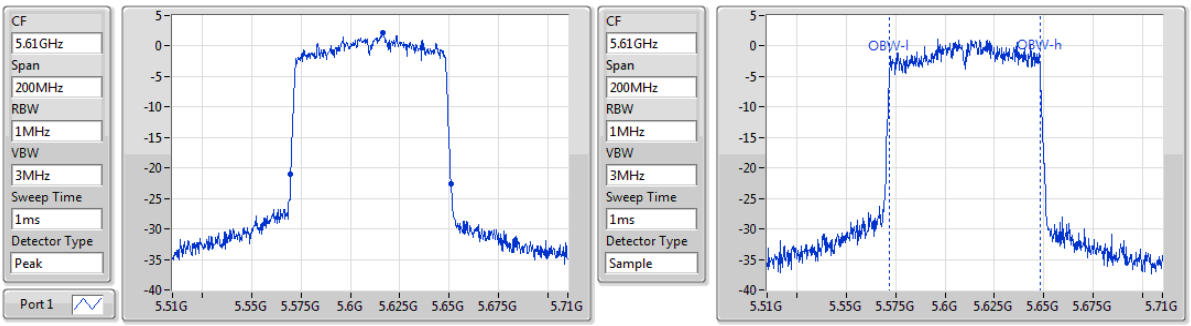
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.48942G	5.57087G	75.832M	5.492084G	5.567916G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

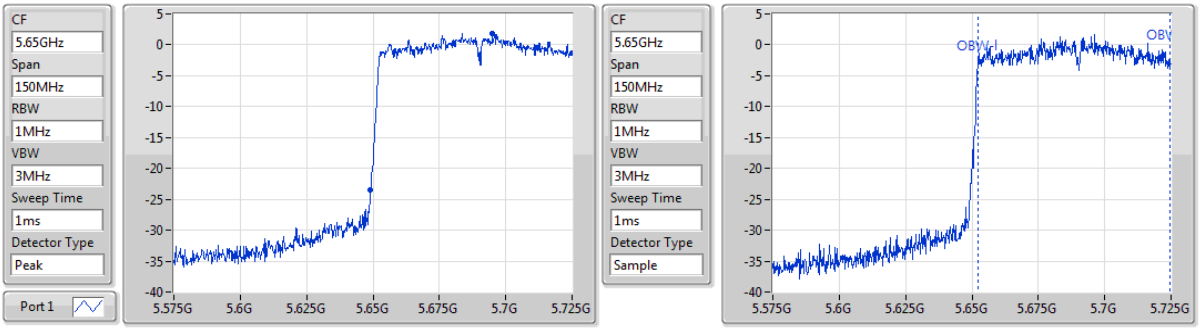
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.56971G	5.651159G	75.832M	5.572084G	5.647916G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

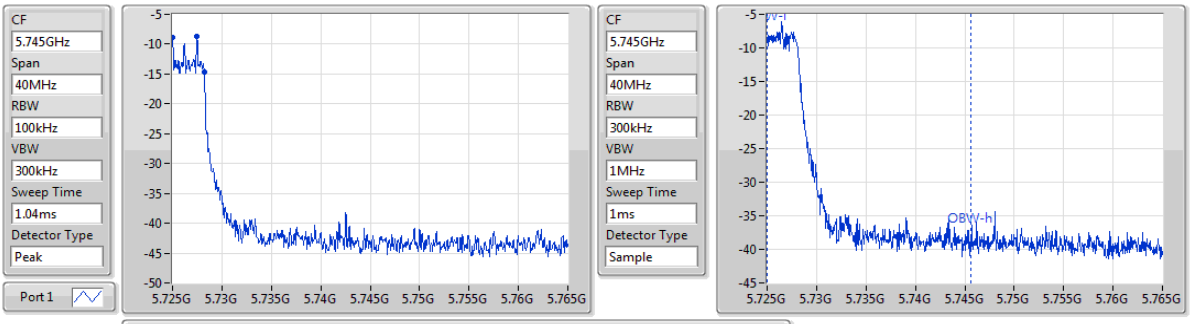
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.87M	5.64913G	5.725G	72.287M	5.652171G	5.724457G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

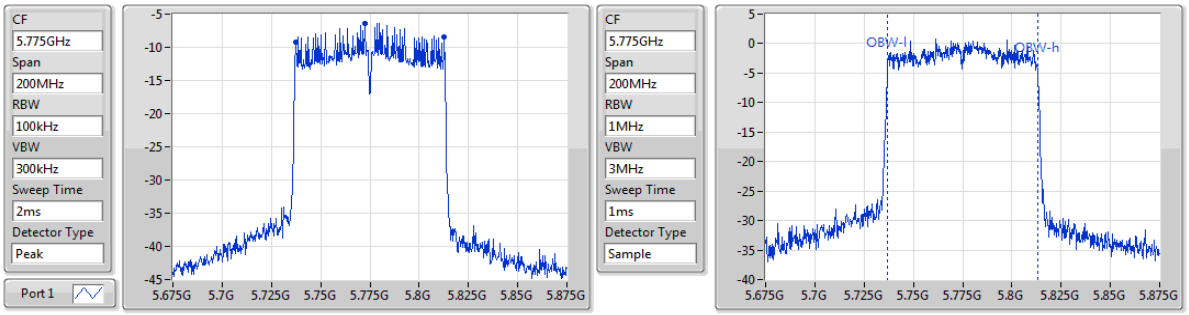
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.188M	5.725G	5.728188G	20.55M	5.725029G	5.745579G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.362M	5.737319G	5.812681G	75.832M	5.737084G	5.812916G	500k	1

3.3 RF Output Power

3.3.1 Limit of RF Output Power

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

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

3.3.2 Test Procedures

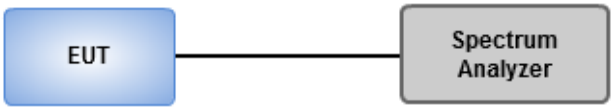
Method PM-G (Measurement using a gated RF average power meter)

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

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

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add 10 log(1/X, X:duty cycle) if duty cycle is <98%).

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Ambient Condition	21~22°C / 65~67%	Tested By	Roger Lu

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	10.83	0.01211	14.59	0.02877
802.11n HT20_Nss1,(MCS0)_1TX	10.79	0.01199	14.55	0.02851
802.11n HT40_Nss1,(MCS0)_1TX	10.81	0.01205	14.57	0.02864
802.11ac VHT20_Nss1,(MCS0)_1TX	10.74	0.01186	14.50	0.02818
802.11ac VHT40_Nss1,(MCS0)_1TX	10.73	0.01183	14.49	0.02812
802.11ac VHT80_Nss1,(MCS0)_1TX	8.19	0.00659	11.95	0.01567
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	10.08	0.01019	13.76	0.02377
802.11n HT20_Nss1,(MCS0)_1TX	10.24	0.01057	13.92	0.02466
802.11n HT40_Nss1,(MCS0)_1TX	10.65	0.01161	14.33	0.02710
802.11ac VHT20_Nss1,(MCS0)_1TX	10.13	0.01030	13.81	0.02404
802.11ac VHT40_Nss1,(MCS0)_1TX	10.55	0.01135	14.23	0.02649
802.11ac VHT80_Nss1,(MCS0)_1TX	10.91	0.01233	14.59	0.02877
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	10.47	0.01114	14.75	0.02985
802.11n HT20_Nss1,(MCS0)_1TX	10.45	0.01109	14.73	0.02972
802.11n HT40_Nss1,(MCS0)_1TX	10.43	0.01104	14.71	0.02958
802.11ac VHT20_Nss1,(MCS0)_1TX	10.26	0.01062	14.54	0.02844
802.11ac VHT40_Nss1,(MCS0)_1TX	10.31	0.01074	14.59	0.02877
802.11ac VHT80_Nss1,(MCS0)_1TX	10.45	0.01109	14.73	0.02972

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	8.22	0.00664	11.18	0.01312
802.11n HT20_Nss1,(MCS0)_1TX	8.16	0.00655	11.12	0.01294
802.11n HT40_Nss1,(MCS0)_1TX	8.20	0.00661	11.16	0.01306
802.11ac VHT20_Nss1,(MCS0)_1TX	8.15	0.00653	11.11	0.01291
802.11ac VHT40_Nss1,(MCS0)_1TX	8.18	0.00658	11.14	0.01300
802.11ac VHT80_Nss1,(MCS0)_1TX	8.32	0.00679	11.28	0.01343

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.76	10.71	10.71	24.00	14.47	30.00
5200MHz	Pass	3.76	10.83	10.83	24.00	14.59	30.00
5240MHz	Pass	3.76	10.77	10.77	24.00	14.53	30.00
5260MHz	Pass	3.68	9.88	9.88	23.99	13.56	29.99
5300MHz	Pass	3.68	10.08	10.08	23.99	13.76	29.99
5320MHz	Pass	3.68	9.89	9.89	24.00	13.57	30.00
5500MHz	Pass	4.28	10.43	10.43	23.99	14.71	29.99
5580MHz	Pass	4.28	10.47	10.47	24.00	14.75	30.00
5700MHz	Pass	4.28	10.43	10.43	24.00	14.71	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	9.99	9.99	22.75	14.27	28.75
5720MHz Straddle 5.725-5.85GHz	Pass	2.96	2.21	2.21	30.00	5.17	36.00
5745MHz	Pass	2.96	8.22	8.22	30.00	11.18	36.00
5785MHz	Pass	2.96	8.13	8.13	30.00	11.09	36.00
5825MHz	Pass	2.96	8.17	8.17	30.00	11.13	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.76	10.64	10.64	24.00	14.40	30.00
5200MHz	Pass	3.76	10.77	10.77	24.00	14.53	30.00
5240MHz	Pass	3.76	10.79	10.79	24.00	14.55	30.00
5260MHz	Pass	3.68	10.12	10.12	24.00	13.80	30.00
5300MHz	Pass	3.68	10.21	10.21	24.00	13.89	30.00
5320MHz	Pass	3.68	10.24	10.24	23.99	13.92	29.99
5500MHz	Pass	4.28	10.16	10.16	24.00	14.44	30.00
5580MHz	Pass	4.28	10.28	10.28	24.00	14.56	30.00
5700MHz	Pass	4.28	10.45	10.45	24.00	14.73	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	10	10.00	22.75	14.28	28.75
5720MHz Straddle 5.725-5.85GHz	Pass	2.96	2.61	2.61	30.00	5.57	36.00
5745MHz	Pass	2.96	8.16	8.16	30.00	11.12	36.00
5785MHz	Pass	2.96	8.03	8.03	30.00	10.99	36.00
5825MHz	Pass	2.96	7.93	7.93	30.00	10.89	36.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.76	10.75	10.75	24.00	14.51	30.00
5230MHz	Pass	3.76	10.81	10.81	24.00	14.57	30.00
5270MHz	Pass	3.68	10.61	10.61	24.00	14.29	30.00

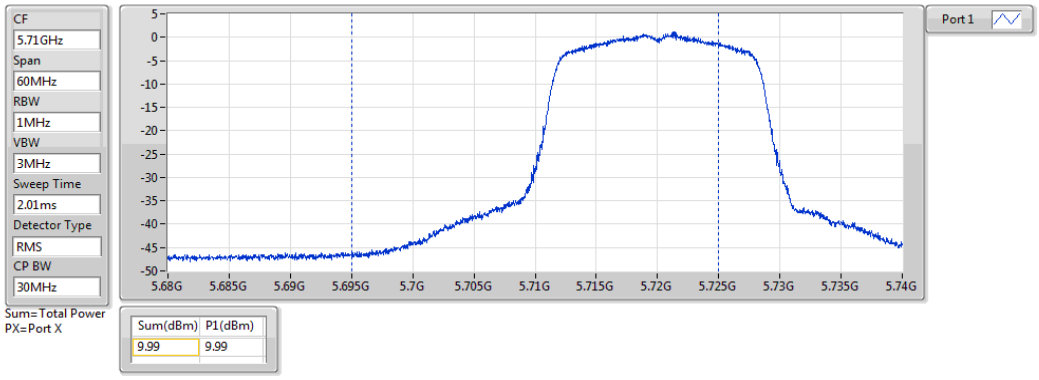
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5310MHz	Pass	3.68	10.65	10.65	24.00	14.33	30.00
5510MHz	Pass	4.28	10.43	10.43	24.00	14.71	30.00
5590MHz	Pass	4.28	10.4	10.40	24.00	14.68	30.00
5670MHz	Pass	4.28	10.37	10.37	24.00	14.65	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.28	10.05	10.05	24.00	14.33	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.96	-2.28	-2.28	30.00	0.68	36.00
5755MHz	Pass	2.96	8.2	8.20	30.00	11.16	36.00
5795MHz	Pass	2.96	8.06	8.06	30.00	11.02	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.76	10.61	10.61	24.00	14.37	30.00
5200MHz	Pass	3.76	10.64	10.64	24.00	14.40	30.00
5240MHz	Pass	3.76	10.74	10.74	24.00	14.50	30.00
5260MHz	Pass	3.68	10.09	10.09	24.00	13.77	30.00
5300MHz	Pass	3.68	10.13	10.13	24.00	13.81	30.00
5320MHz	Pass	3.68	10.12	10.12	23.99	13.80	30.00
5500MHz	Pass	4.28	10.13	10.13	24.00	14.41	30.00
5580MHz	Pass	4.28	10.26	10.26	24.00	14.54	30.00
5700MHz	Pass	4.28	10.25	10.25	24.00	14.53	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	9.96	9.96	22.75	14.24	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.96	2.58	2.58	30.00	5.54	36.00
5745MHz	Pass	2.96	8.15	8.15	30.00	11.11	36.00
5785MHz	Pass	2.96	8.01	8.01	30.00	10.97	36.00
5825MHz	Pass	2.96	7.99	7.99	30.00	10.95	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.76	10.62	10.62	24.00	14.38	30.00
5230MHz	Pass	3.76	10.73	10.73	24.00	14.49	30.00
5270MHz	Pass	3.68	10.53	10.53	24.00	14.21	30.00
5310MHz	Pass	3.68	10.55	10.55	24.00	14.23	30.00
5510MHz	Pass	4.28	10.05	10.05	24.00	14.33	30.00
5590MHz	Pass	4.28	10.02	10.02	24.00	14.30	30.00
5670MHz	Pass	4.28	10.31	10.31	24.00	14.59	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.28	10.02	10.02	24.00	14.30	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.96	-2.56	-2.56	30.00	0.40	36.00
5755MHz	Pass	2.96	8.18	8.18	30.00	11.14	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5795MHz	Pass	2.96	8.06	8.06	30.00	11.02	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.76	8.19	8.19	24.00	11.95	30.00
5290MHz	Pass	3.68	10.91	10.91	24.00	14.59	30.00
5530MHz	Pass	4.28	8.85	8.85	24.00	13.13	30.00
5610MHz	Pass	4.28	10.45	10.45	24.00	14.73	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.28	10.12	10.12	24.00	14.40	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.96	-4.57	-4.57	30.00	-1.61	36.00
5775MHz	Pass	2.96	8.32	8.32	30.00	11.28	36.00

DG = Directional Gain; **Port X** = Port X output power

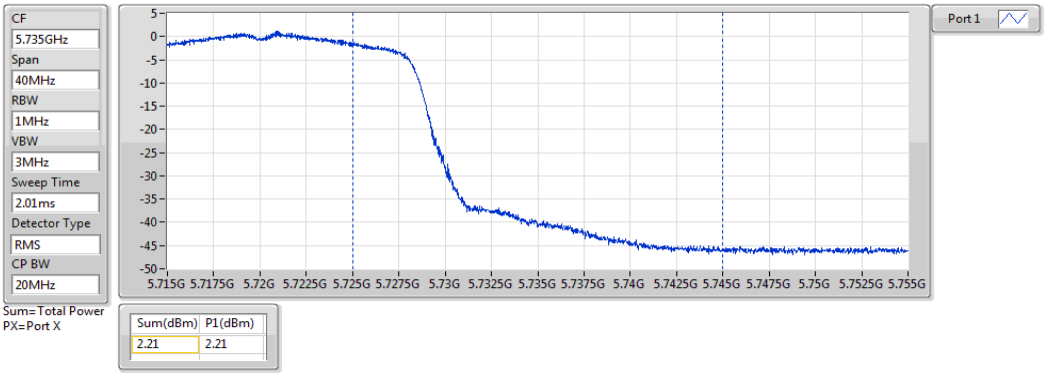
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



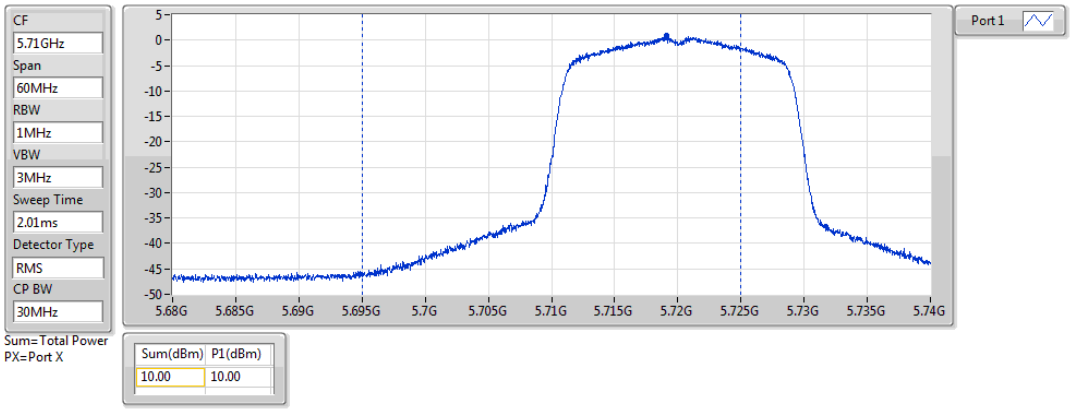
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



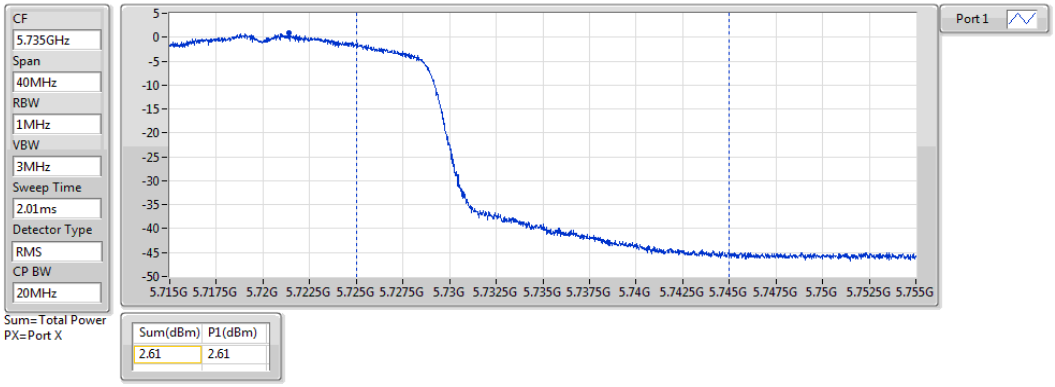
802.11n HT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



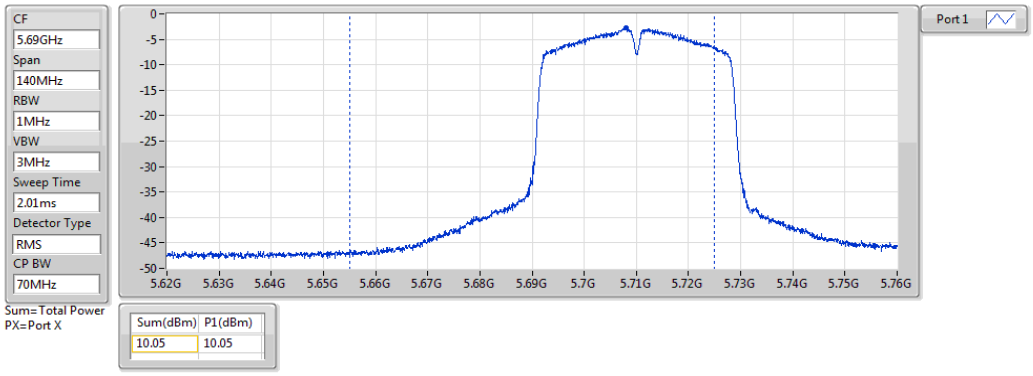
802.11n HT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



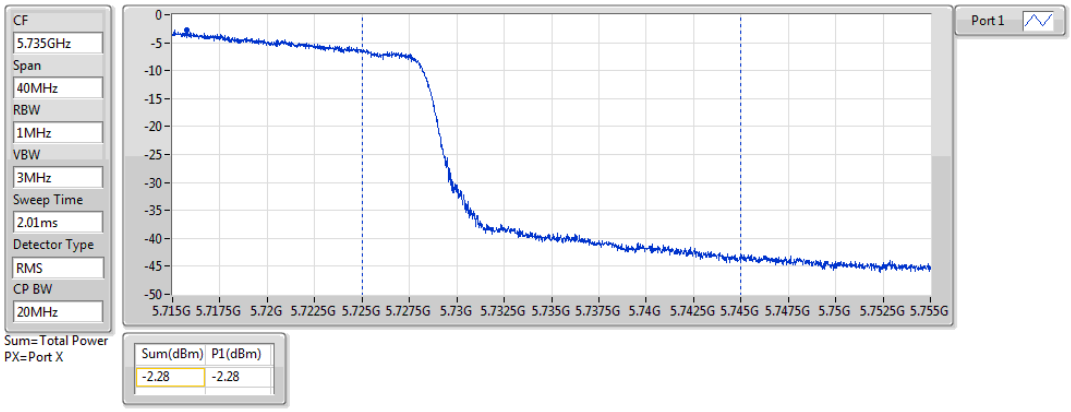
802.11n HT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.47-5.725GHz



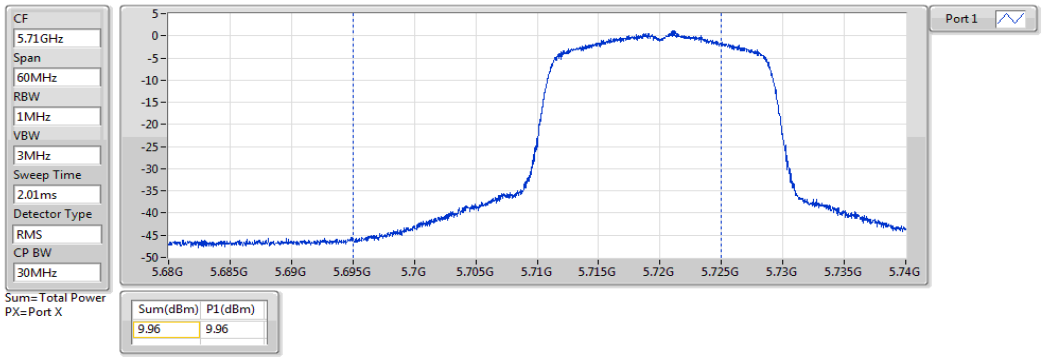
802.11n HT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.725-5.85GHz



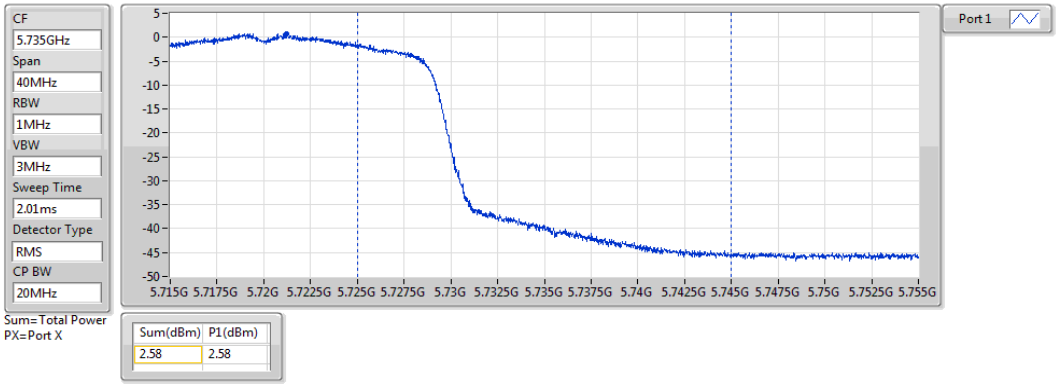
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



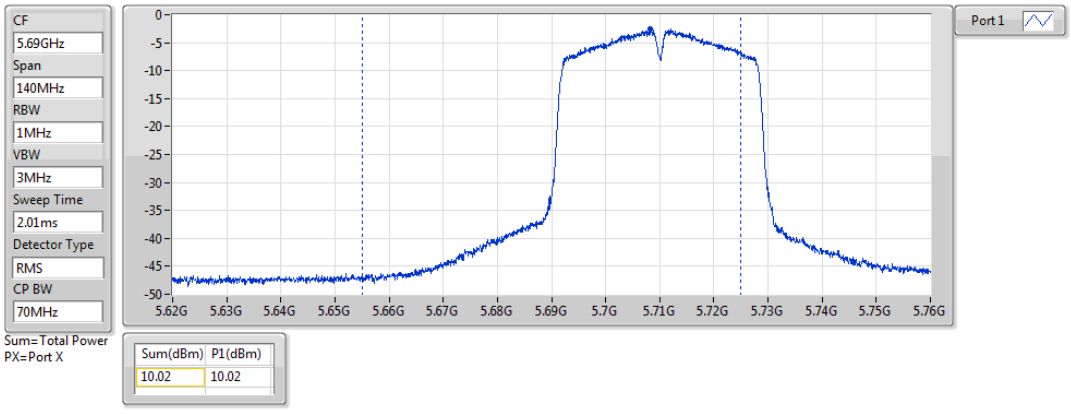
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



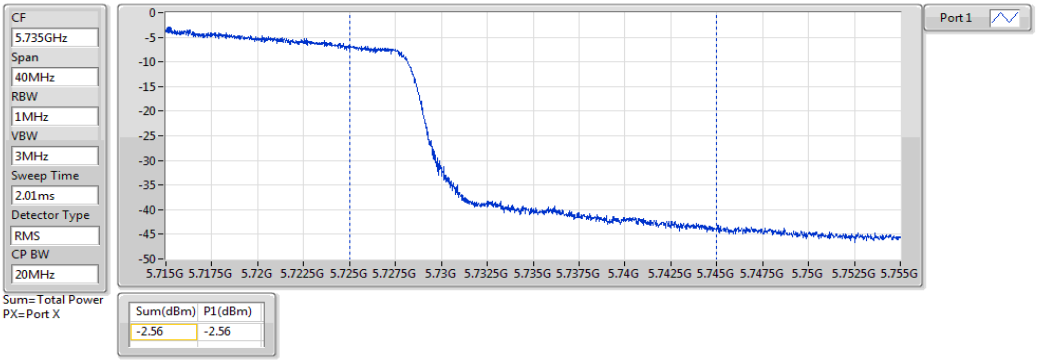
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.47-5.725GHz



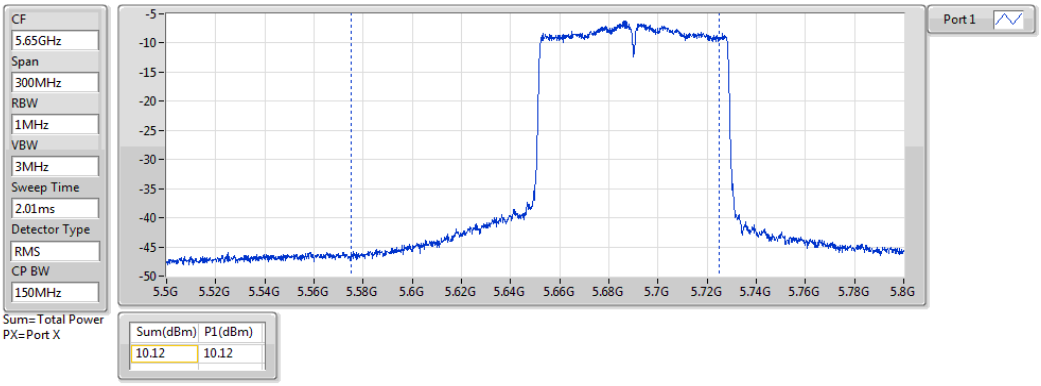
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.725-5.85GHz



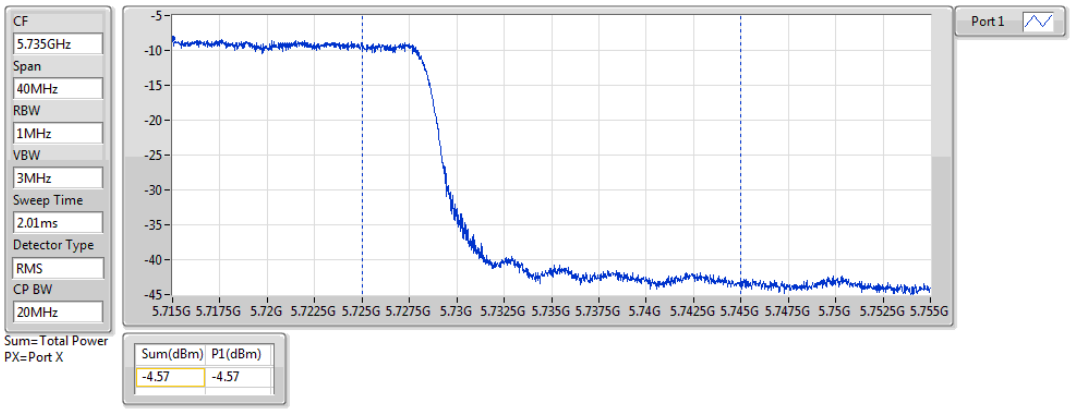
802.11ac VHT80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

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

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

3.4.2 Test Procedures

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

Duty cycle ≥ 98 %

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.

Duty cycle < 98 %

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

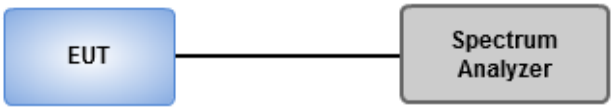
Duty cycle ≥ 98 %

1. Set RBW = 500 kHz, 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.

Duty cycle < 98 %

1. Set RBW = 500 kHz, 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.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Ambient Condition	21~22°C / 65~67%	Tested By	Roger Lu

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-0.59	3.17
802.11n HT20_Nss1,(MCS0)_1TX	-0.81	2.95
802.11n HT40_Nss1,(MCS0)_1TX	-3.62	0.14
802.11ac VHT80_Nss1,(MCS0)_1TX	-10.36	-6.60
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-1.26	2.42
802.11n HT20_Nss1,(MCS0)_1TX	-1.22	2.46
802.11n HT40_Nss1,(MCS0)_1TX	-3.58	0.10
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.64	-3.96
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-0.99	3.29
802.11n HT20_Nss1,(MCS0)_1TX	-1.1	3.18
802.11n HT40_Nss1,(MCS0)_1TX	-4	0.28
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.93	-3.65
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-4.2	-1.24
802.11n HT20_Nss1,(MCS0)_1TX	-4.2	-1.24
802.11n HT40_Nss1,(MCS0)_1TX	-7.64	-4.68
802.11ac VHT80_Nss1,(MCS0)_1TX	-10.5	-7.54

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

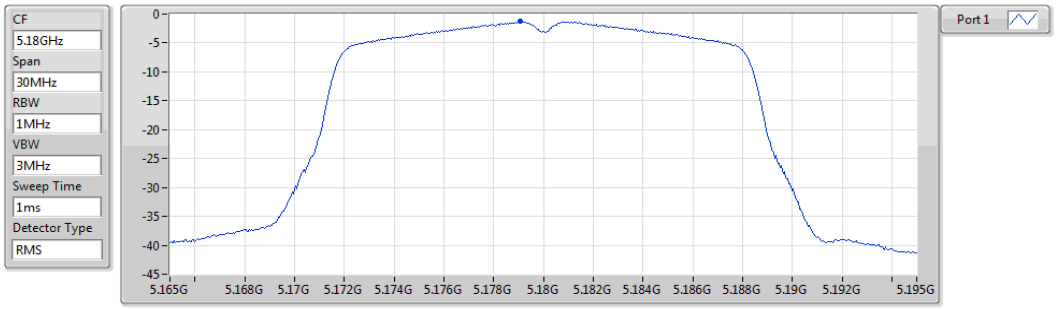
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.76	-1.24	-1.24	11.00	2.52	17.00
5200MHz	Pass	3.76	-0.59	-0.59	11.00	3.17	17.00
5240MHz	Pass	3.76	-0.69	-0.69	11.00	3.07	17.00
5260MHz	Pass	3.68	-1.51	-1.51	11.00	2.17	17.00
5300MHz	Pass	3.68	-1.26	-1.26	11.00	2.42	17.00
5320MHz	Pass	3.68	-1.49	-1.49	11.00	2.19	17.00
5500MHz	Pass	4.28	-1.16	-1.16	11.00	3.12	17.00
5580MHz	Pass	4.28	-0.99	-0.99	11.00	3.29	17.00
5700MHz	Pass	4.28	-1	-1.00	11.00	3.28	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	-1.06	-1.06	11.00	3.22	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.96	-4.71	-4.71	30.00	-1.75	36.00
5745MHz	Pass	2.96	-4.29	-4.29	30.00	-1.33	36.00
5785MHz	Pass	2.96	-4.2	-4.20	30.00	-1.24	36.00
5825MHz	Pass	2.96	-4.24	-4.24	30.00	-1.28	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.76	-1.12	-1.12	11.00	2.64	17.00
5200MHz	Pass	3.76	-0.81	-0.81	11.00	2.95	17.00
5240MHz	Pass	3.76	-0.99	-0.99	11.00	2.77	17.00
5260MHz	Pass	3.68	-1.29	-1.29	11.00	2.39	17.00
5300MHz	Pass	3.68	-1.53	-1.53	11.00	2.15	17.00
5320MHz	Pass	3.68	-1.22	-1.22	11.00	2.46	17.00
5500MHz	Pass	4.28	-1.45	-1.45	11.00	2.83	17.00
5580MHz	Pass	4.28	-1.1	-1.10	11.00	3.18	17.00
5700MHz	Pass	4.28	-1.17	-1.17	11.00	3.11	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	-1.34	-1.34	11.00	2.94	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.96	-4.87	-4.87	30.00	-1.91	36.00
5745MHz	Pass	2.96	-4.2	-4.20	30.00	-1.24	36.00
5785MHz	Pass	2.96	-4.39	-4.39	30.00	-1.43	36.00
5825MHz	Pass	2.96	-4.43	-4.43	30.00	-1.47	36.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.76	-4.06	-4.06	11.00	-0.30	17.00
5230MHz	Pass	3.76	-3.62	-3.62	11.00	0.14	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5270MHz	Pass	3.68	-3.76	-3.76	11.00	-0.08	17.00
5310MHz	Pass	3.68	-3.58	-3.58	11.00	0.10	17.00
5510MHz	Pass	4.28	-4.17	-4.17	11.00	0.11	17.00
5590MHz	Pass	4.28	-4	-4.00	11.00	0.28	17.00
5670MHz	Pass	4.28	-4.32	-4.32	11.00	-0.04	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.28	-4.25	-4.25	11.00	0.03	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.96	-9.58	-9.58	30.00	-6.62	36.00
5755MHz	Pass	2.96	-7.69	-7.69	30.00	-4.73	36.00
5795MHz	Pass	2.96	-7.64	-7.64	30.00	-4.68	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.76	-10.36	-10.36	11.00	-6.60	17.00
5290MHz	Pass	3.68	-7.64	-7.64	11.00	-3.96	17.00
5530MHz	Pass	4.28	-9.71	-9.71	11.00	-5.43	17.00
5610MHz	Pass	4.28	-7.93	-7.93	11.00	-3.65	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.28	-7.99	-7.99	11.00	-3.71	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.96	-12.05	-12.05	30.00	-9.09	36.00
5775MHz	Pass	2.96	-10.5	-10.50	30.00	-7.54	36.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = Power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX **PSD**

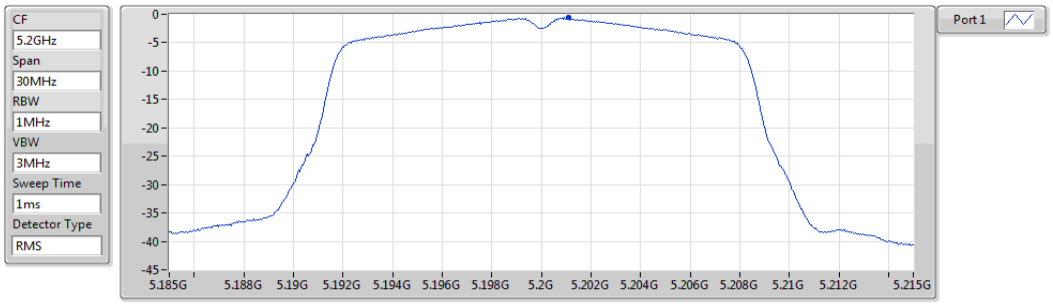
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.24	-1.24	-1.24

802.11a_Nss1,(6Mbps)_1TX **PSD**

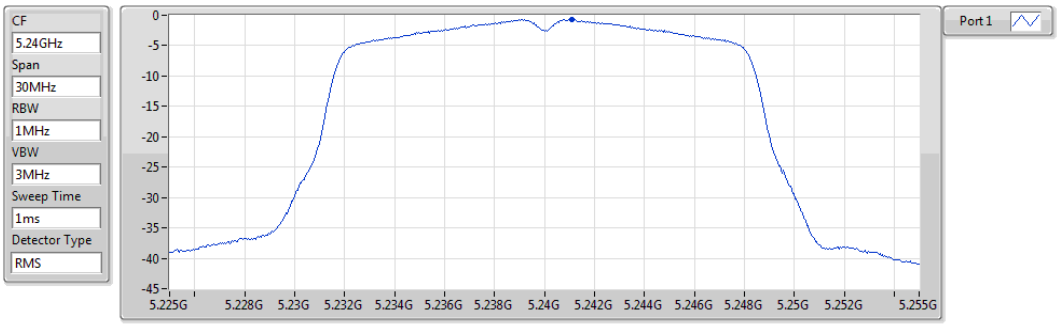
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-0.59

802.11a_Nss1,(6Mbps)_1TX **PSD**

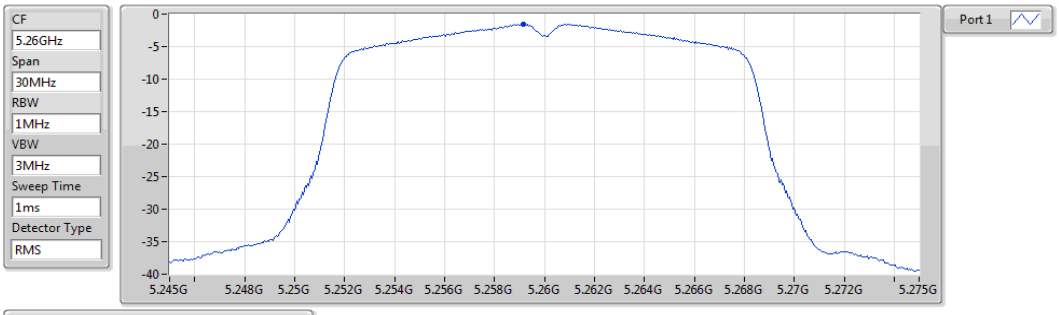
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.69	-0.69	-0.69

802.11a_Nss1,(6Mbps)_1TX **PSD**

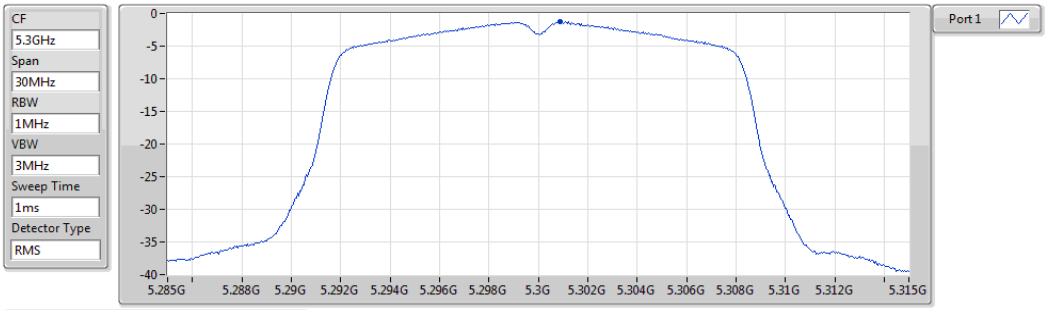
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-1.51

802.11a_Nss1,(6Mbps)_1TX **PSD**

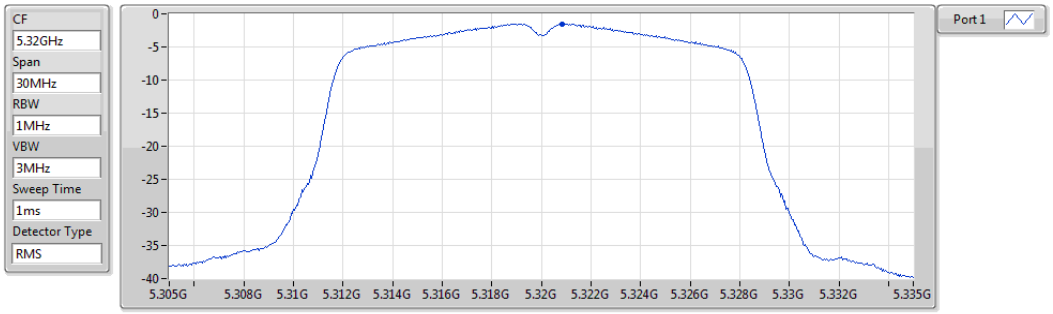
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.26	-1.26	-1.26

802.11a_Nss1,(6Mbps)_1TX **PSD**

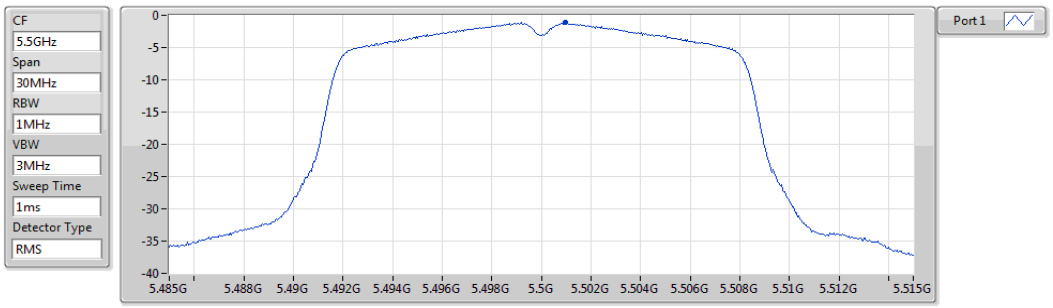
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.49	-1.49	-1.49

802.11a_Nss1,(6Mbps)_1TX **PSD**

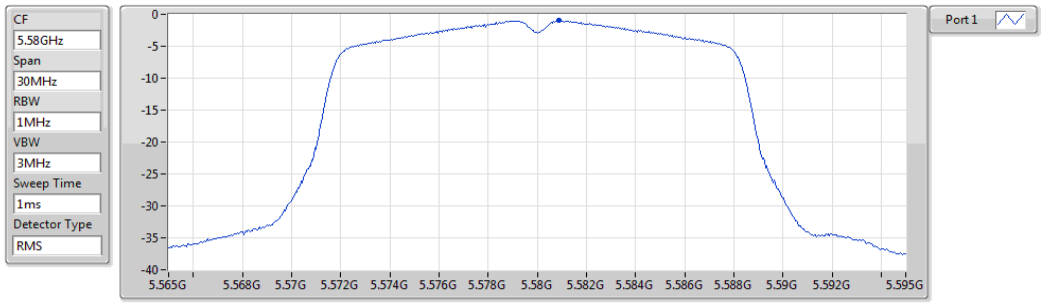
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.16	-1.16	-1.16

802.11a_Nss1,(6Mbps)_1TX **PSD**

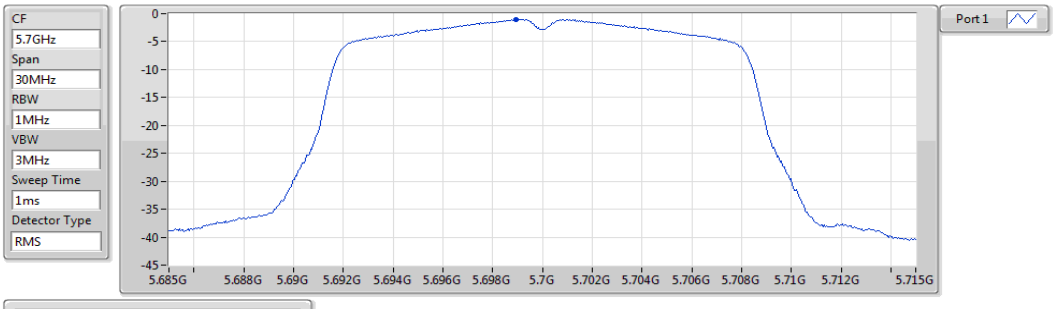
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.99	-0.99	-0.99

802.11a_Nss1,(6Mbps)_1TX **PSD**

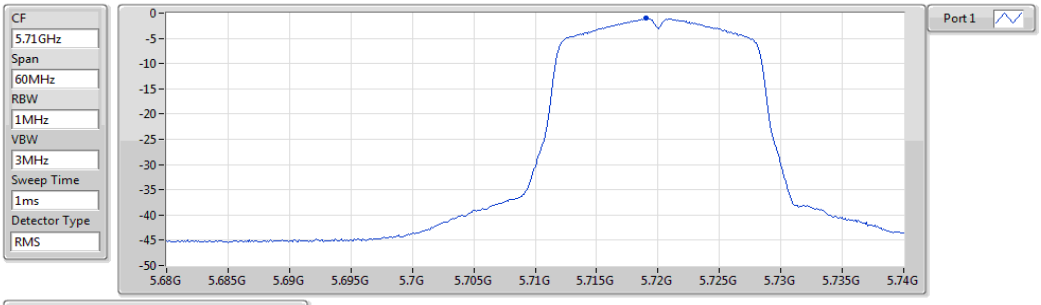
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-1.00

802.11a_Nss1,(6Mbps)_1TX **PSD**

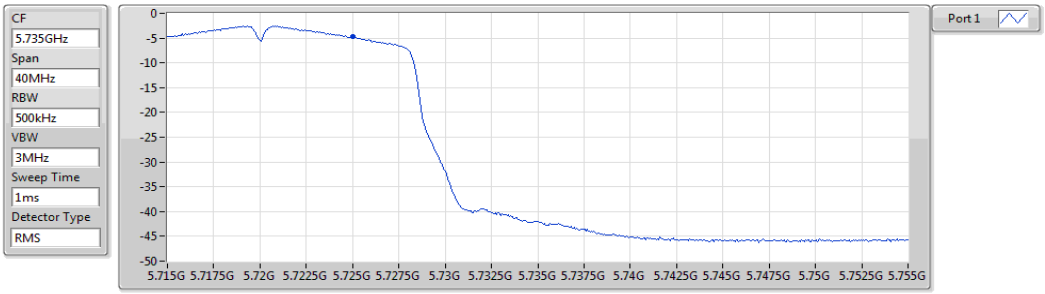
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.06	-1.06	-1.06

802.11a_Nss1,(6Mbps)_1TX **PSD**

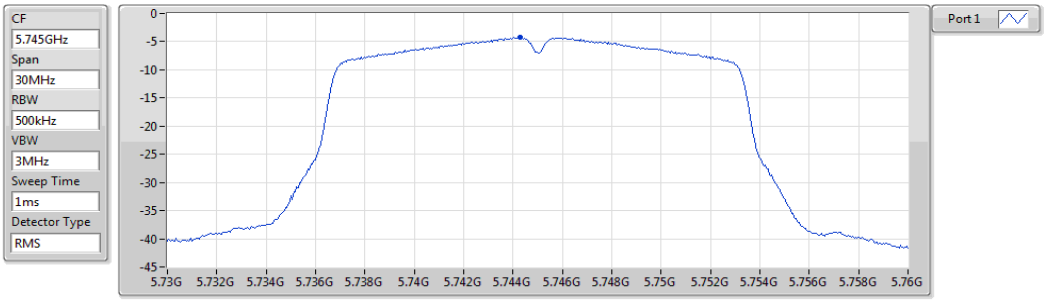
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.71	-4.71	-4.71

802.11a_Nss1,(6Mbps)_1TX **PSD**

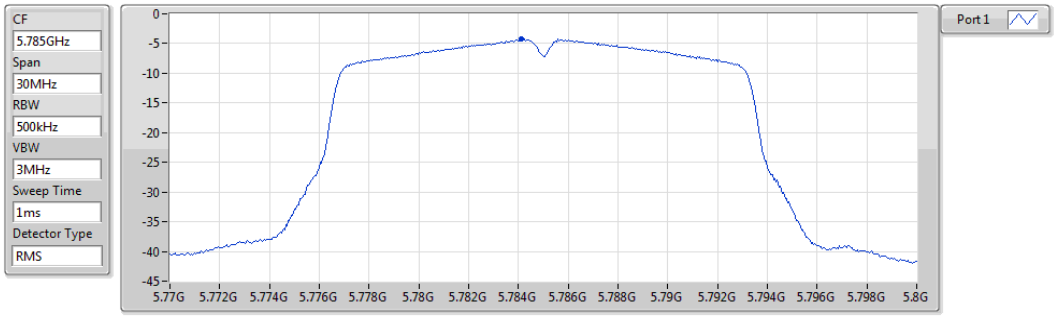
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.29	-4.29	-4.29

802.11a_Nss1,(6Mbps)_1TX **PSD**

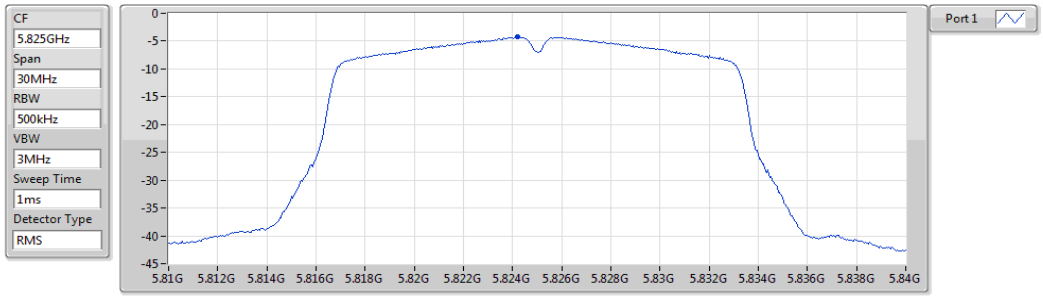
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-4.20

802.11a_Nss1,(6Mbps)_1TX **PSD**

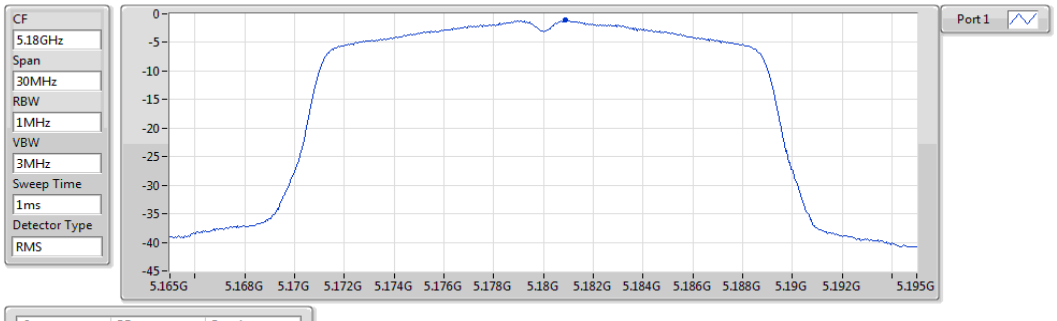
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.24	-4.24	-4.24

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

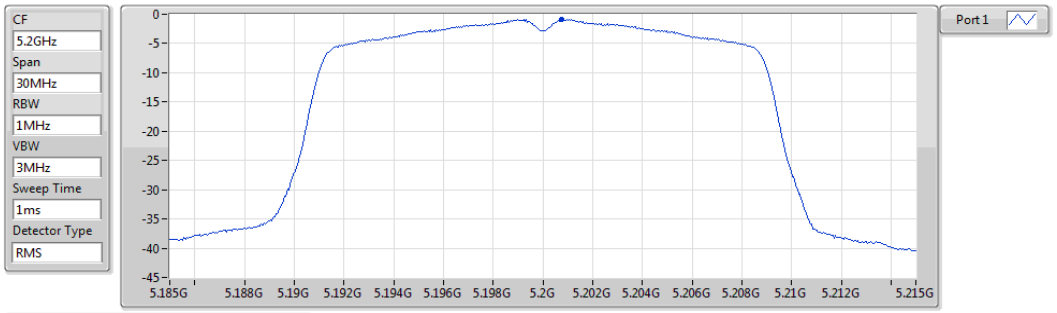
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.12	-1.12	-1.12

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

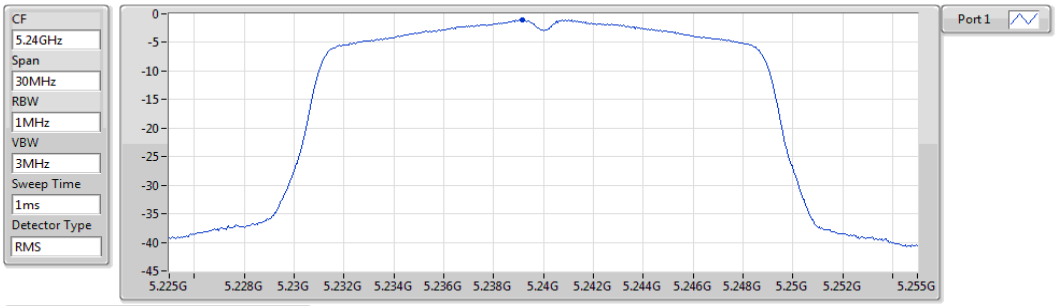
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.81	-0.81	-0.81

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

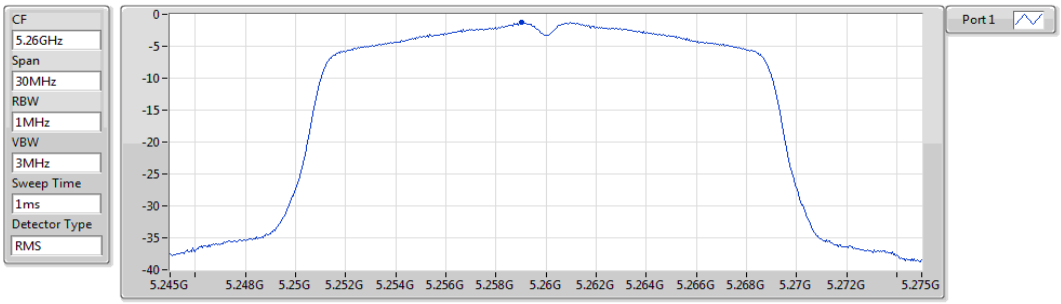
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.99	-0.99	-0.99

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

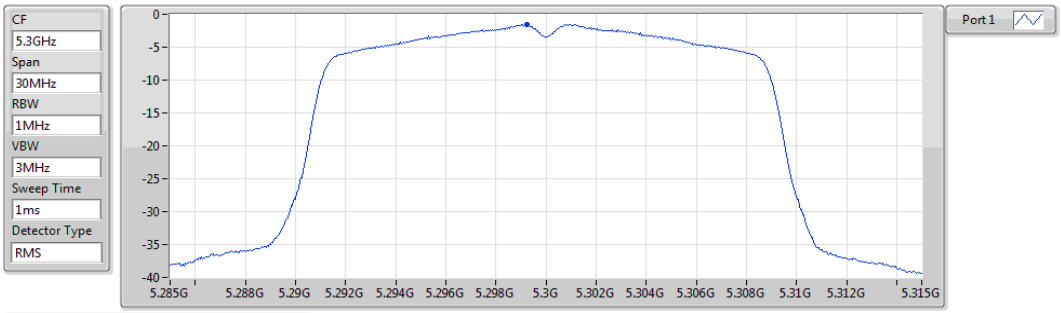
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29	-1.29

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

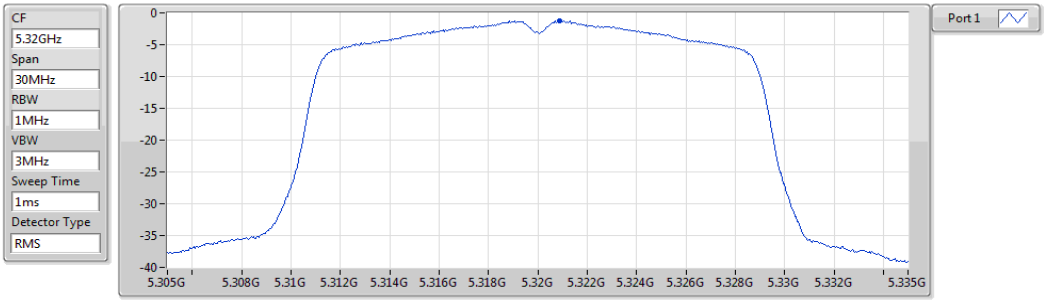
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.53	-1.53	-1.53

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

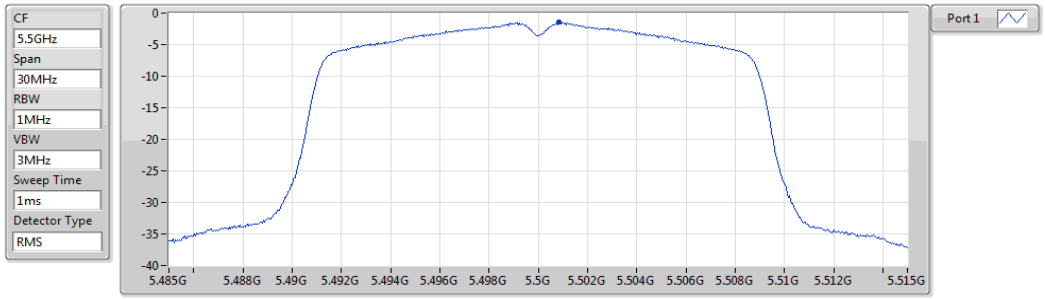
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.22	-1.22	-1.22

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

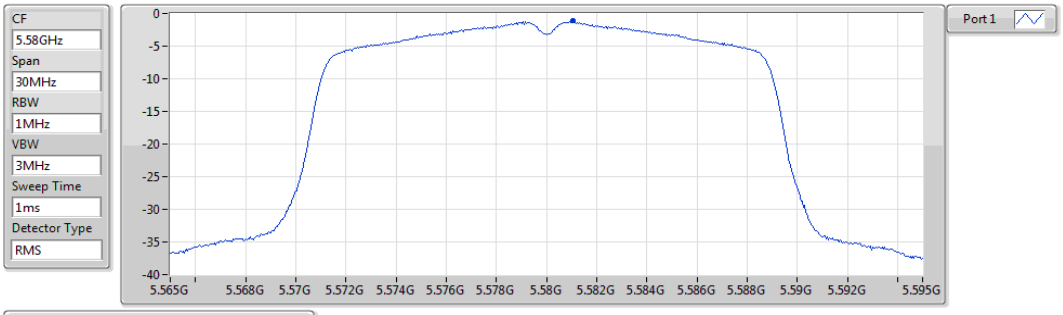
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.45	-1.45	-1.45

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

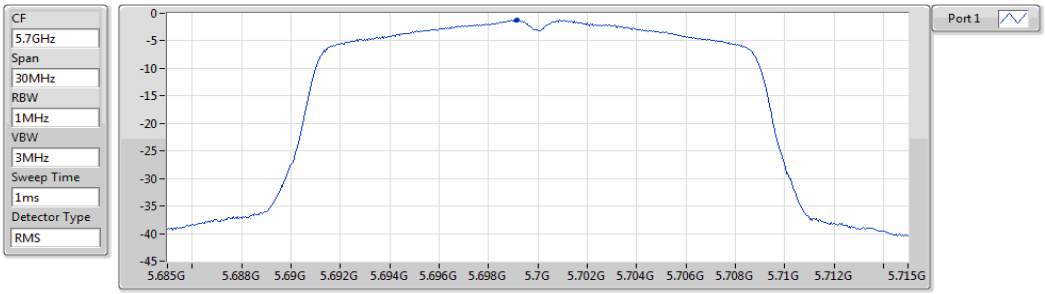
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.10	-1.10	-1.10

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

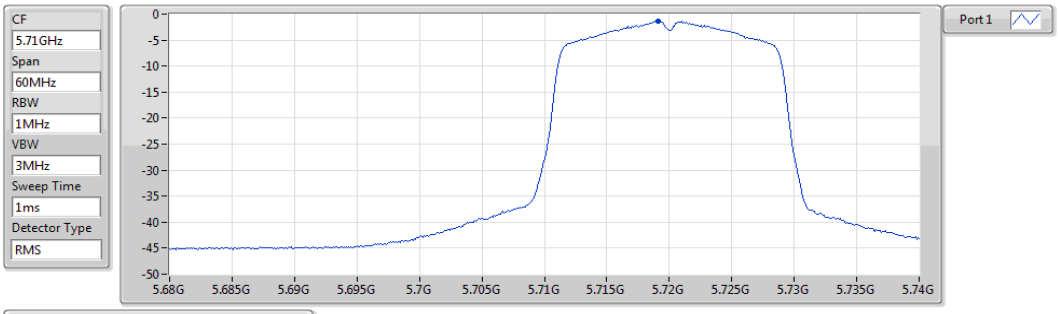
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.17	-1.17	-1.17

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

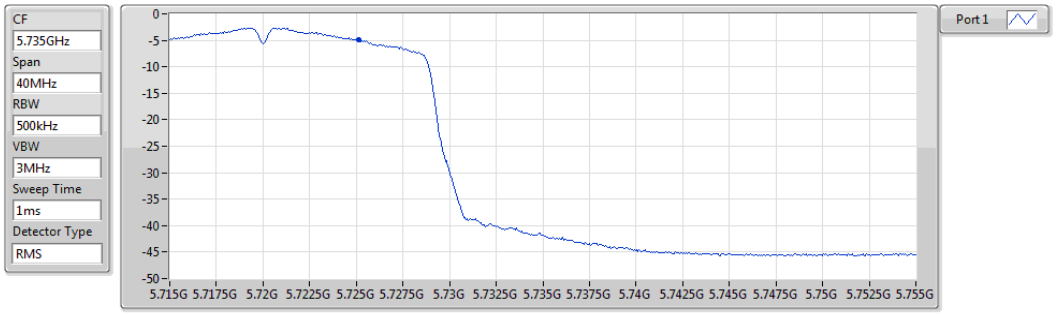
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.34	-1.34	-1.34

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

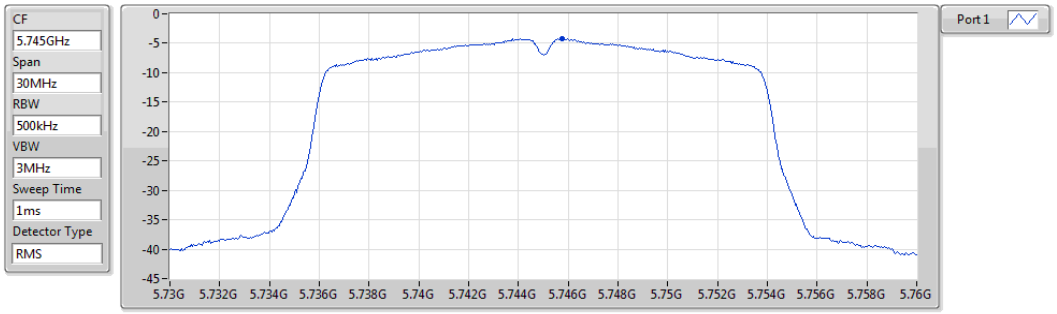
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.87	-4.87	-4.87

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

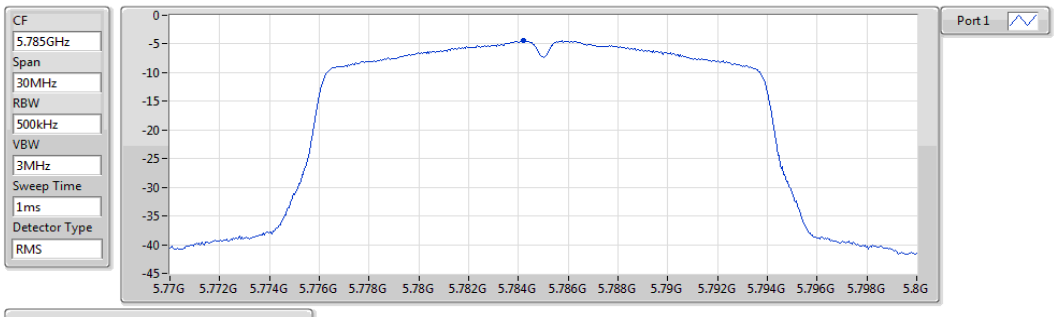
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-4.20

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

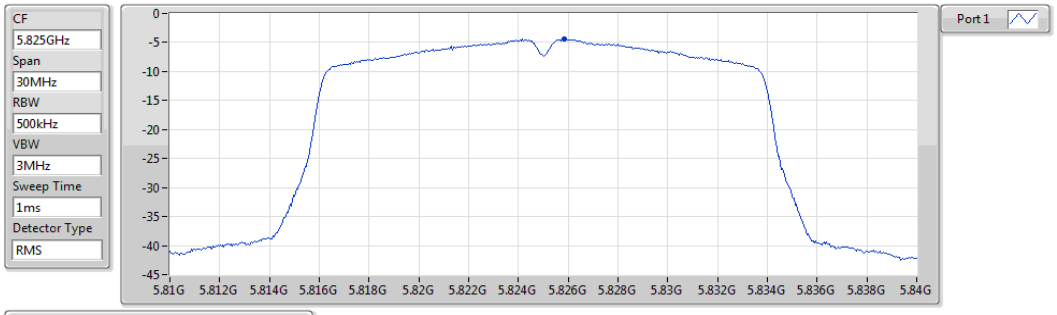
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.39	-4.39	-4.39

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

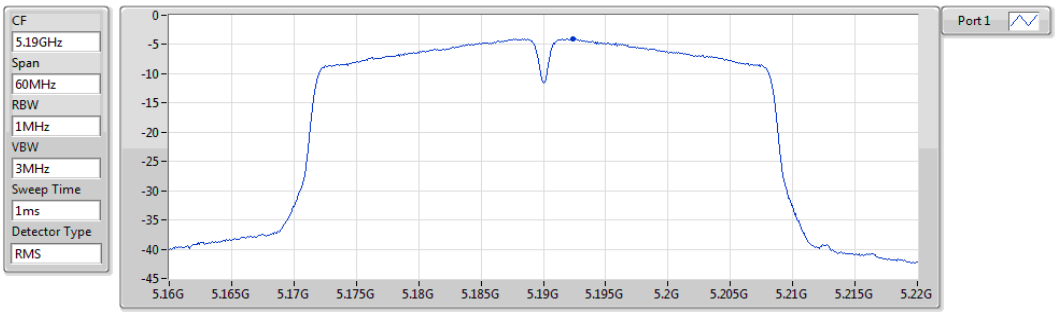
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.43	-4.43	-4.43

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

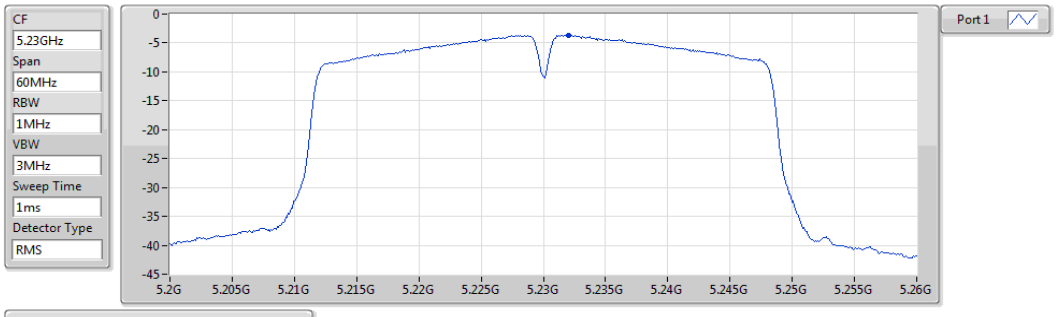
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.06	-4.06	-4.06

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

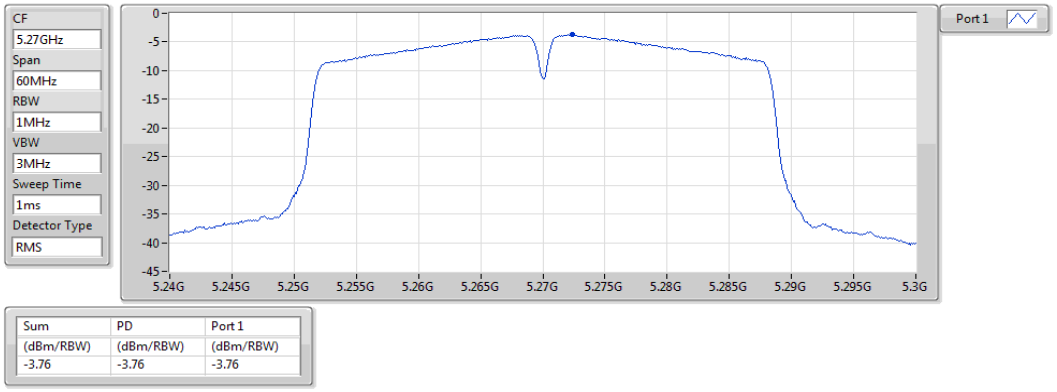
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.62	-3.62	-3.62

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

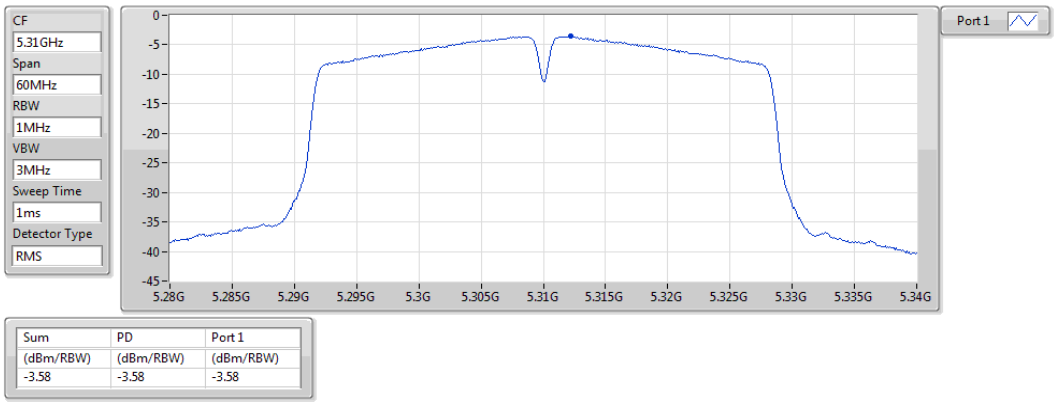
5270MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-3.76

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

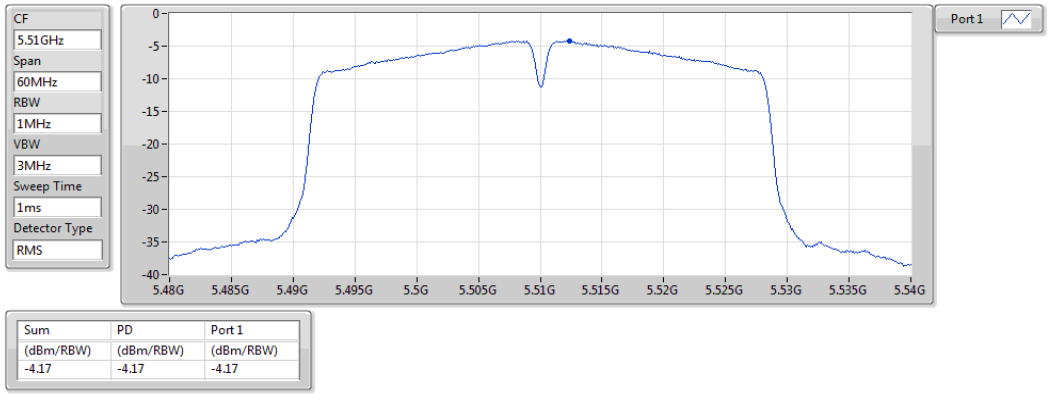
5310MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.58	-3.58	-3.58

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

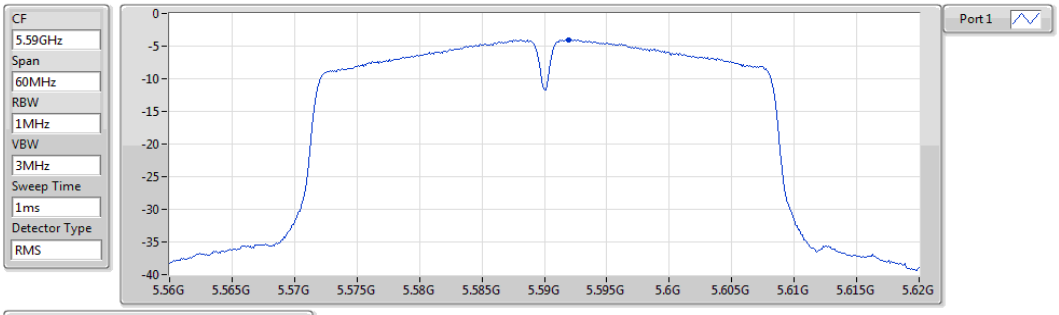
5510MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.17	-4.17	-4.17

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

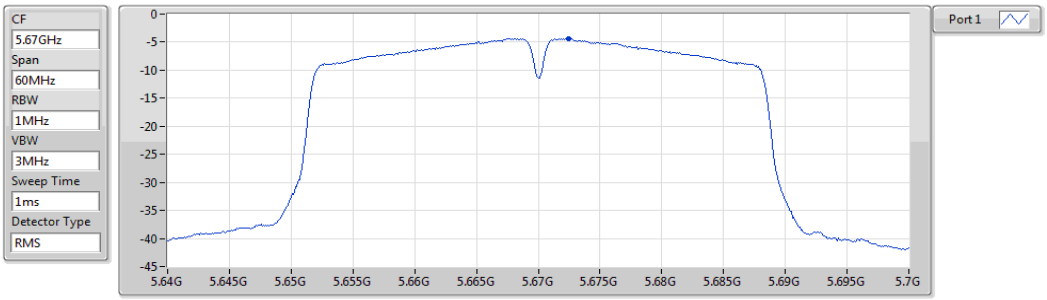
5590MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.00	-4.00	-4.00

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

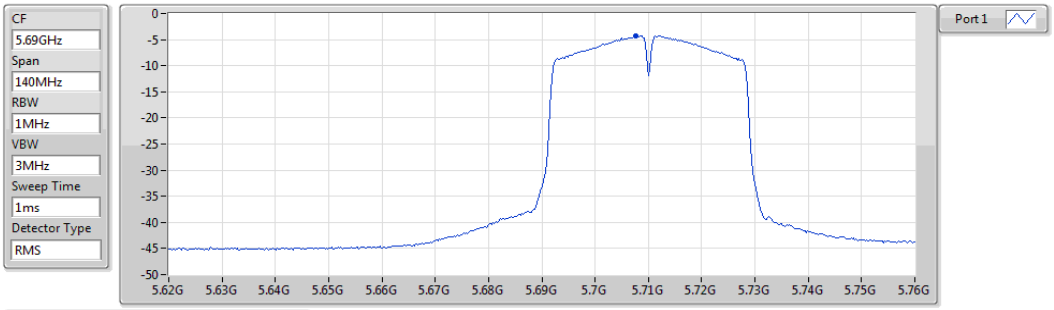
5670MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.32	-4.32	-4.32

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

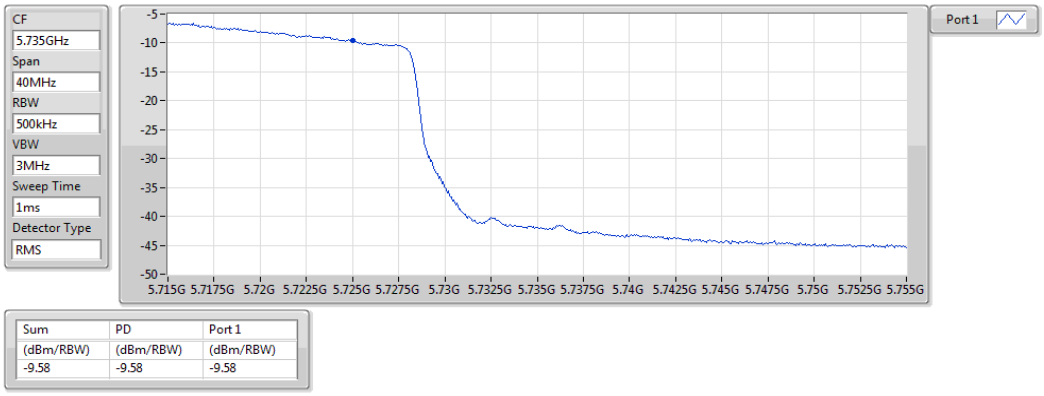
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.25	-4.25	-4.25

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

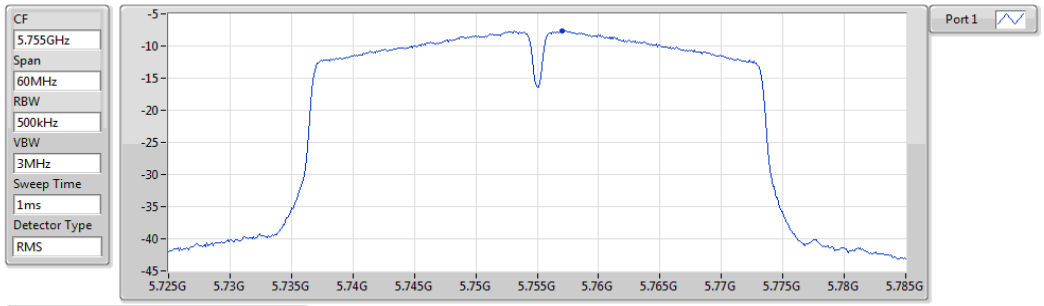
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.58	-9.58	-9.58

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

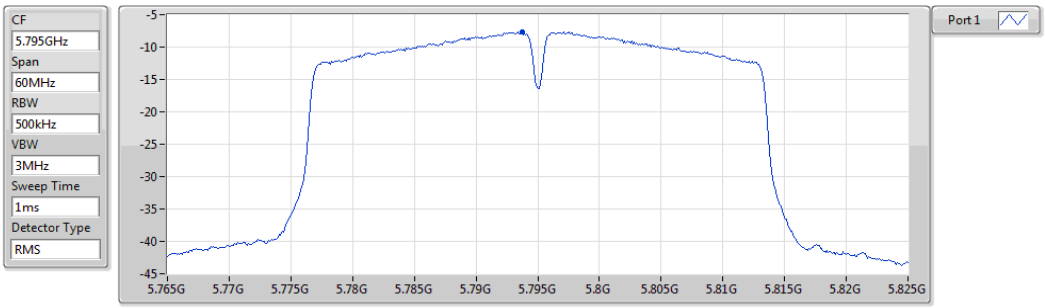
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.69	-7.69	-7.69

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

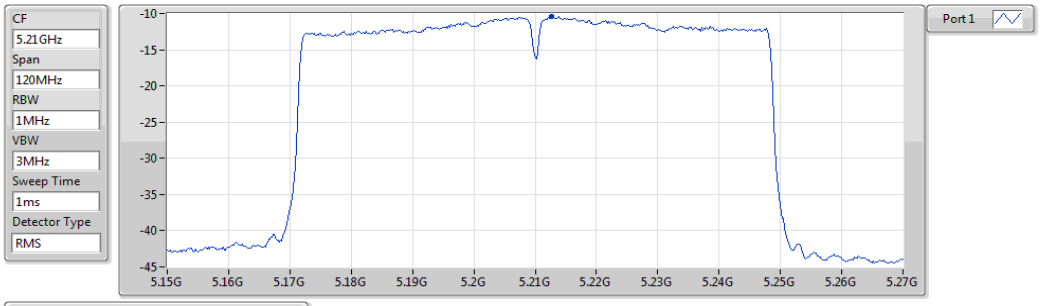
5795MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.64	-7.64	-7.64

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

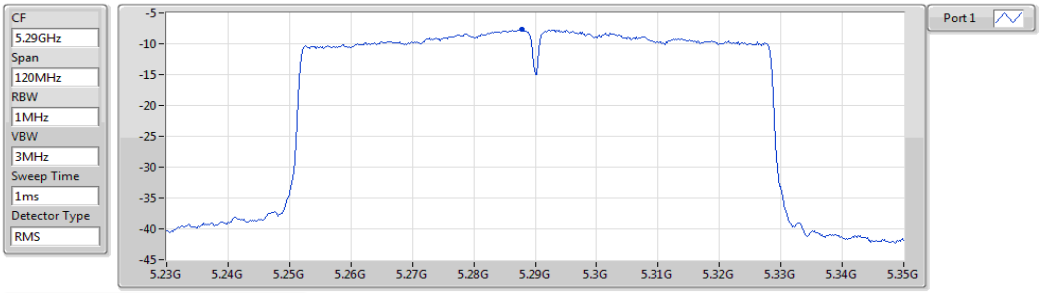
5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.36	-10.36	-10.36

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

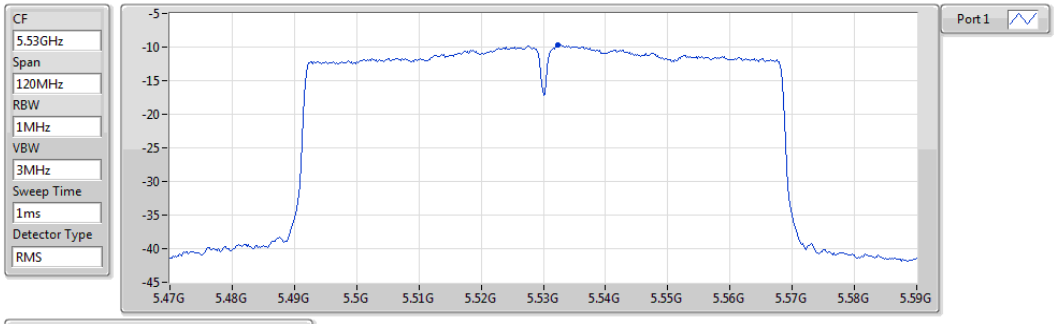
5290MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.64	-7.64	-7.64

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

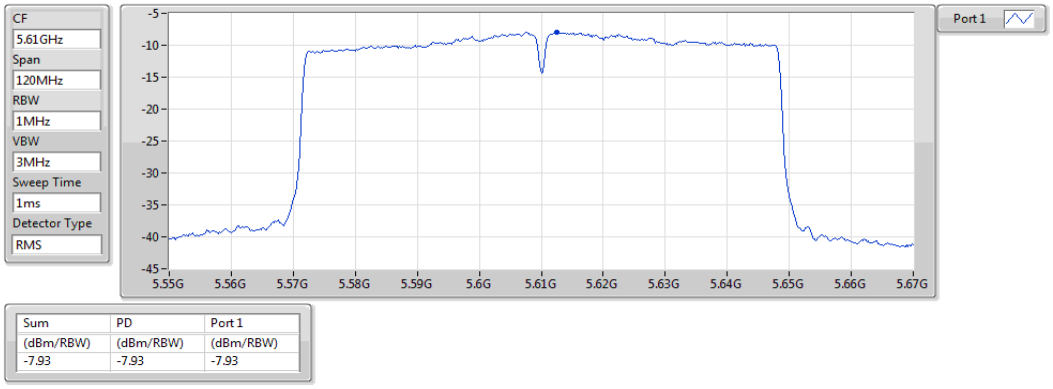
5530MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.71	-9.71	-9.71

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

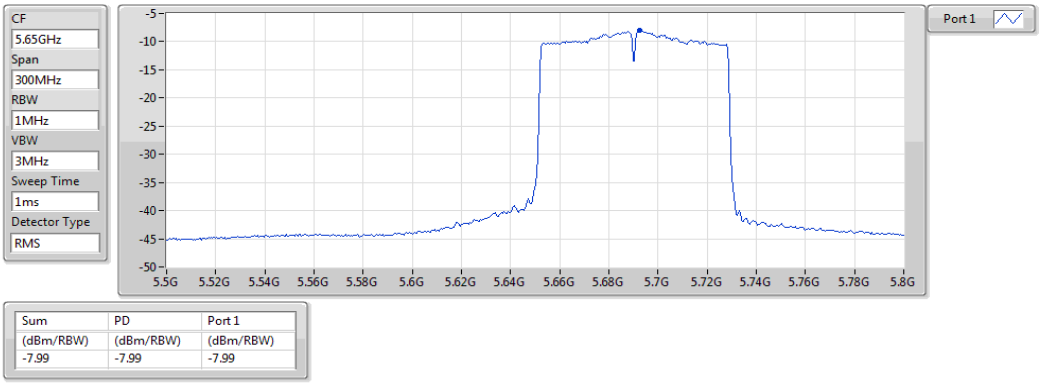
5610MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-7.93

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

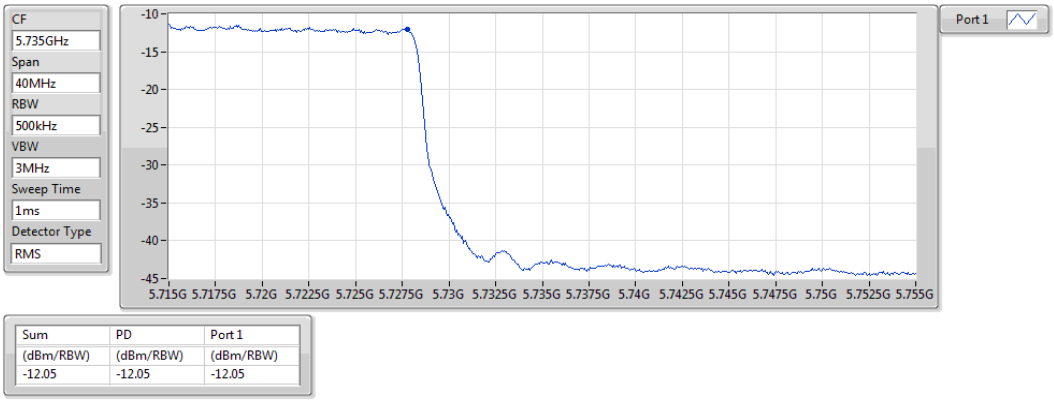
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.99	-7.99	-7.99

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

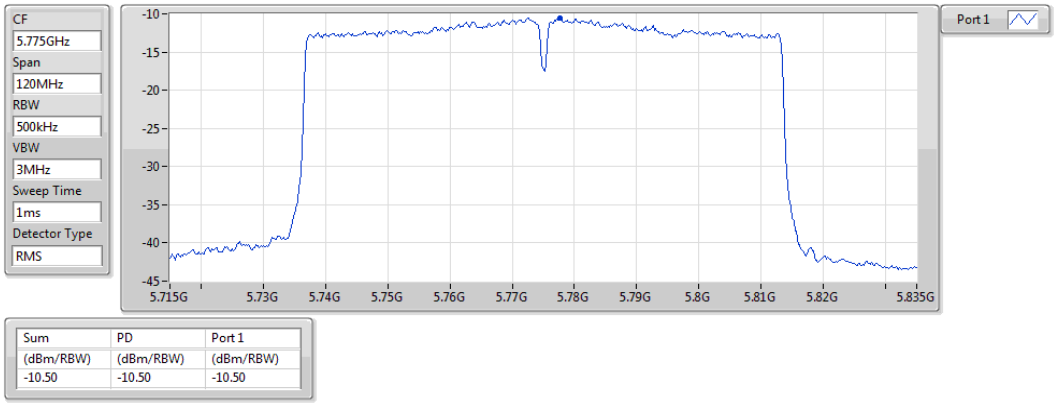
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.05	-12.05	-12.05

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.50	-10.50	-10.50

3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.850 GHz	All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.5.2 Test Procedures

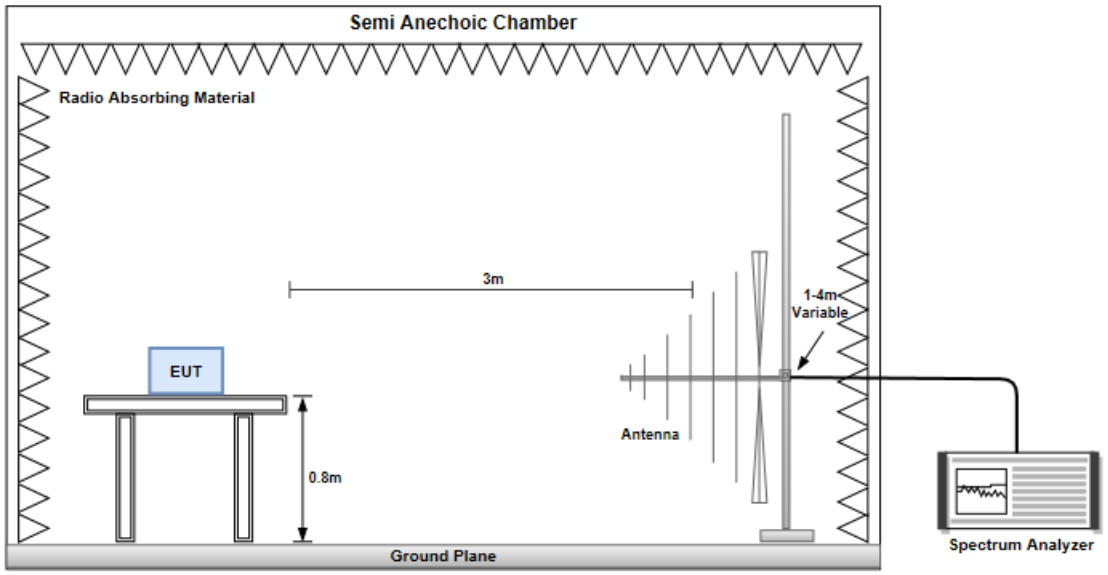
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Note:

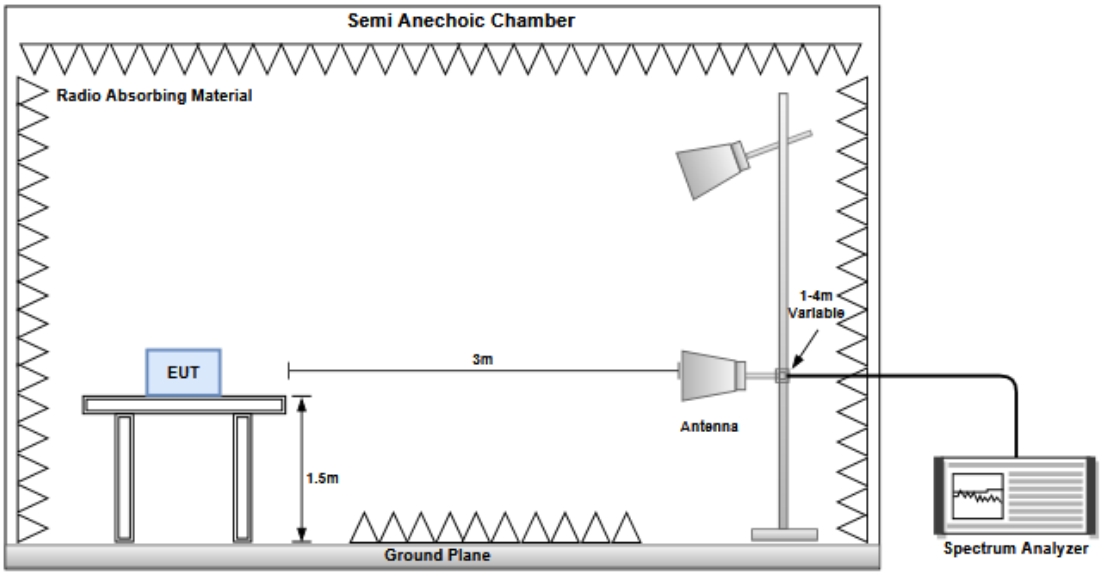
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



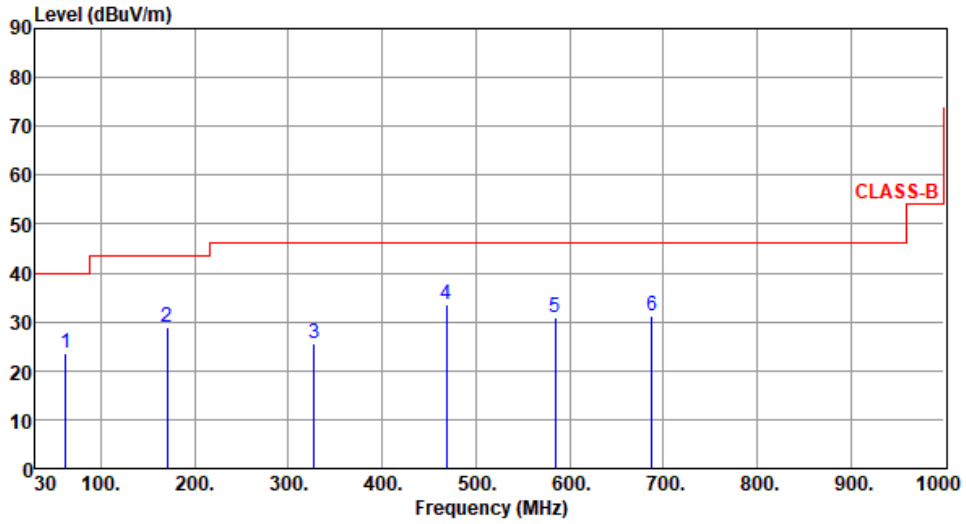
Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):68

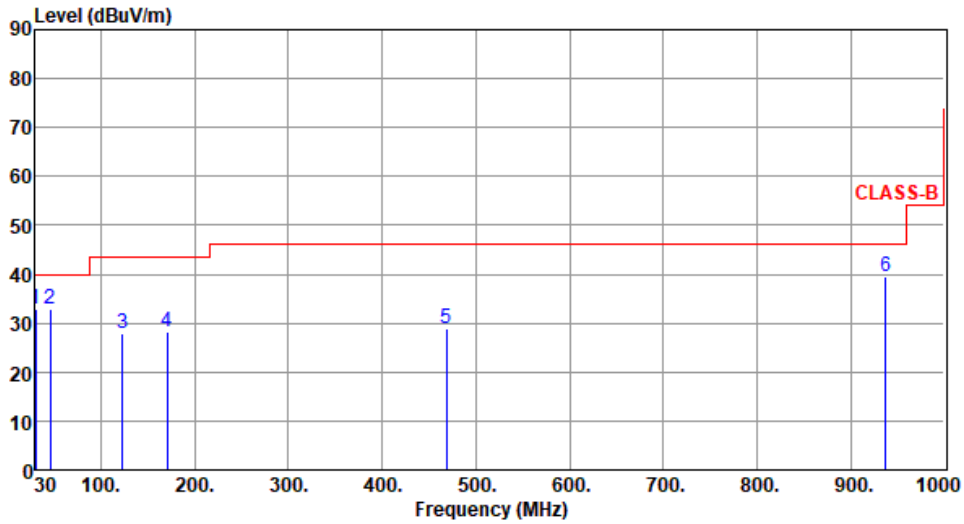


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	62.01	23.66	40.00	-16.34	33.31	-9.65	Peak	---	---
2	170.65	28.82	43.50	-14.68	37.95	-9.13	Peak	---	---
3	327.79	25.71	46.00	-20.29	33.16	-7.45	Peak	---	---
4	468.44	33.58	46.00	-12.42	37.57	-3.99	Peak	---	---
5	584.84	30.75	46.00	-15.25	32.21	-1.46	Peak	---	---
6	687.66	31.08	46.00	-14.92	31.03	0.05	Peak	---	---

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

Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):68

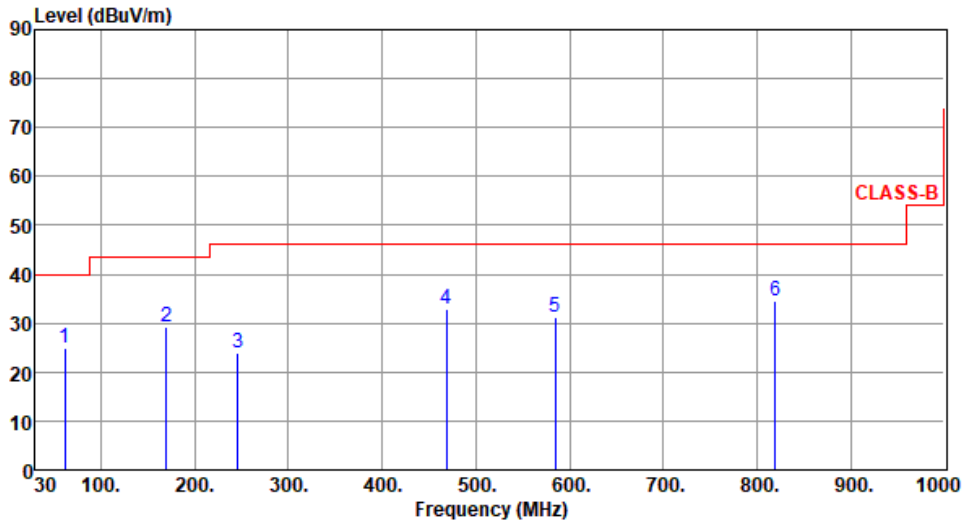


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.00	32.76	40.00	-7.24	42.70	-9.94	Peak	---	---
2	45.52	32.79	40.00	-7.21	41.29	-8.50	Peak	---	---
3	123.12	27.97	43.50	-15.53	38.44	-10.47	Peak	---	---
4	170.65	28.21	43.50	-15.29	37.34	-9.13	Peak	---	---
5	468.44	28.88	46.00	-17.12	32.87	-3.99	Peak	---	---
6	936.95	39.36	46.00	-6.64	35.12	4.24	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	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):68

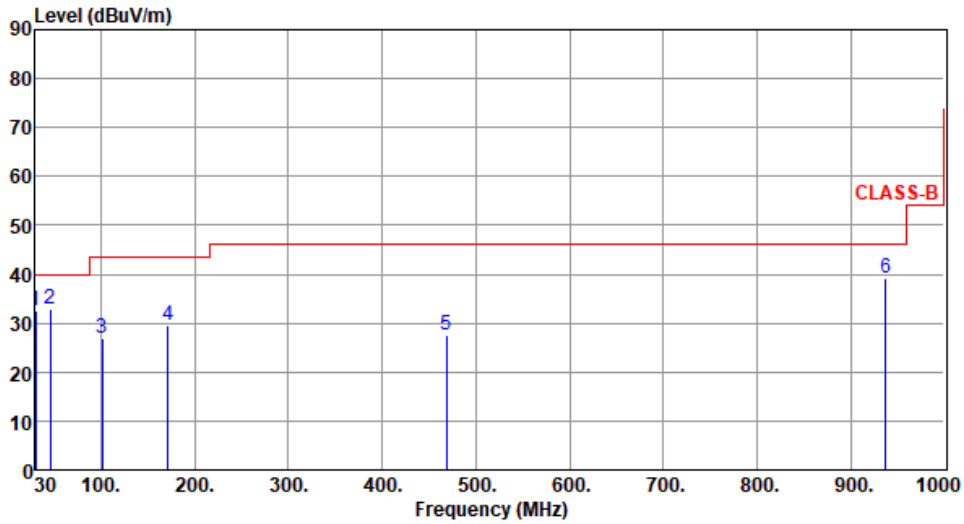


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	61.56	24.85	40.00	-15.15	34.37	-9.52	Peak	---	---
2	169.45	29.12	43.50	-14.38	38.11	-8.99	Peak	---	---
3	246.31	23.96	46.00	-22.04	34.10	-10.14	Peak	---	---
4	468.59	32.79	46.00	-13.21	36.78	-3.99	Peak	---	---
5	585.12	31.26	46.00	-14.74	32.71	-1.45	Peak	---	---
6	819.58	34.53	46.00	-11.47	32.10	2.43	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	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):68



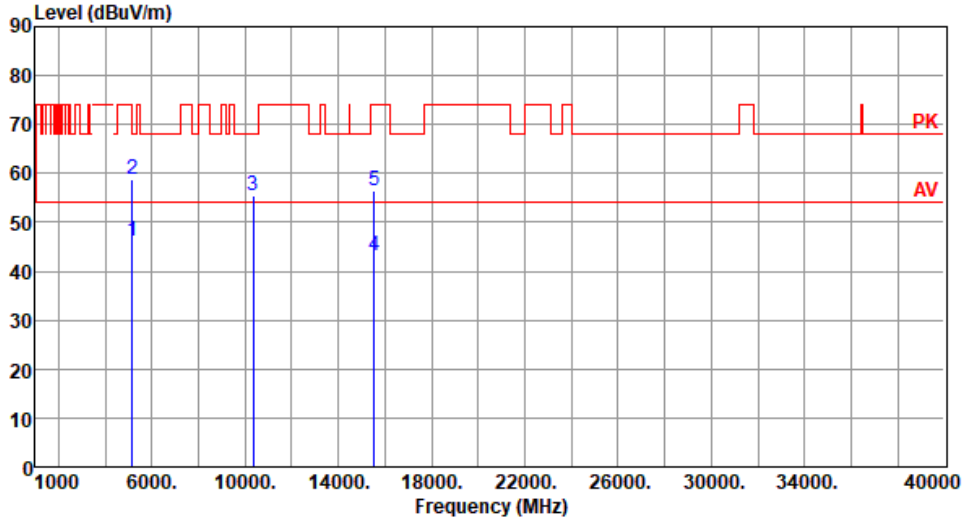
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.00	32.46	40.00	-7.54	42.40	-9.94	Peak	---	---
2	45.76	32.95	40.00	-7.05	41.49	-8.54	Peak	---	---
3	101.78	26.81	43.50	-16.69	39.73	-12.92	Peak	---	---
4	171.36	29.42	43.50	-14.08	38.57	-9.15	Peak	---	---
5	468.59	27.58	46.00	-18.42	31.57	-3.99	Peak	---	---
6	936.88	39.12	46.00	-6.88	34.88	4.24	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.

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

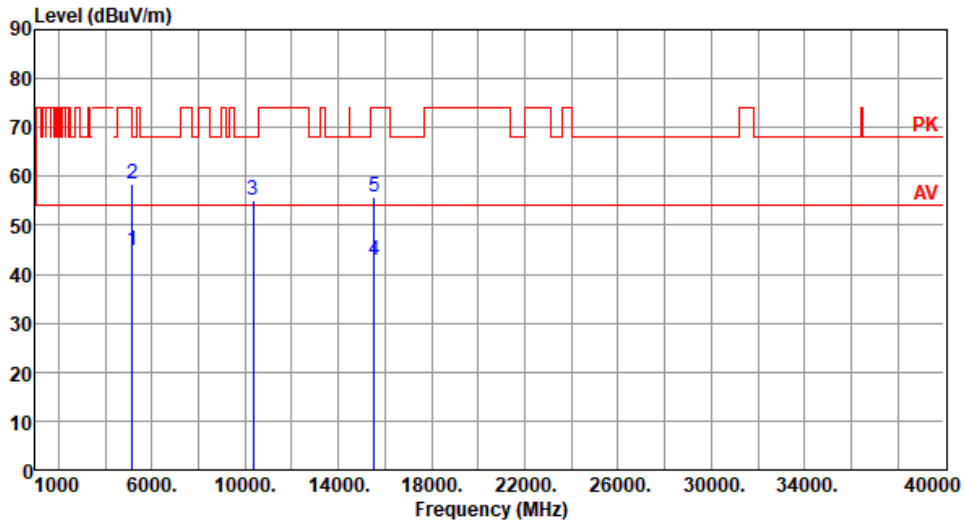


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.05	54.00	-7.95	41.54	4.51	Average	179	212
2	5150.00	58.67	74.00	-15.33	54.16	4.51	Peak	179	212
3	10360.00	55.55	68.20	-12.65	41.60	13.95	Peak	100	60
4	15540.00	43.28	54.00	-10.72	29.16	14.12	Average	100	40
5	15540.00	56.34	74.00	-17.66	42.22	14.12	Peak	100	40

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

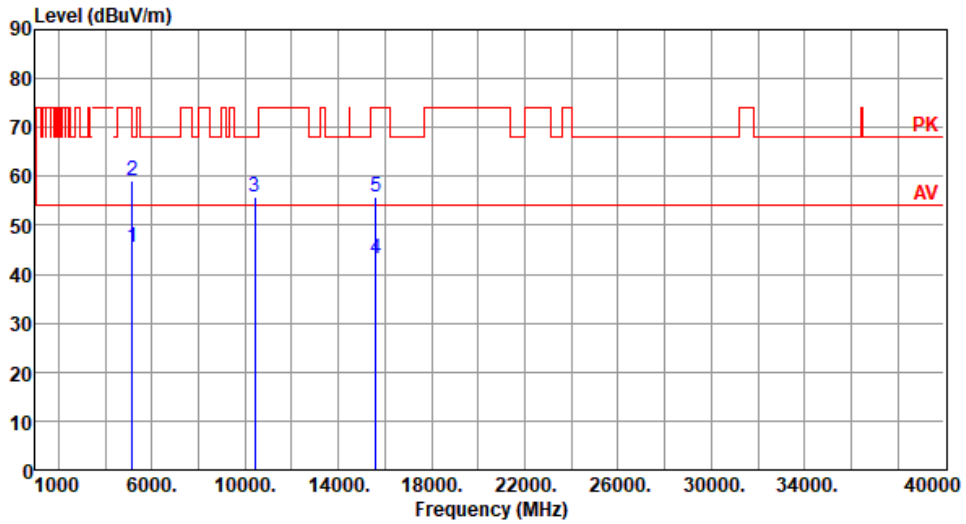


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.77	54.00	-9.23	40.26	4.51	Average	100	163
2	5150.00	58.30	74.00	-15.70	53.79	4.51	Peak	100	163
3	10360.00	55.21	68.20	-12.99	41.26	13.95	Peak	100	80
4	15540.00	42.91	54.00	-11.09	28.79	14.12	Average	100	90
5	15540.00	55.71	74.00	-18.29	41.59	14.12	Peak	100	90

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

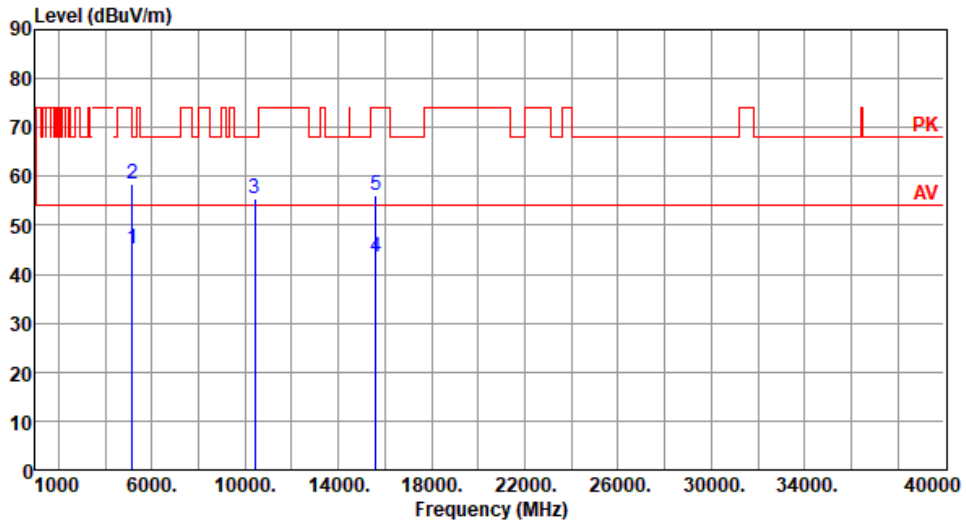


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.66	54.00	-8.34	41.15	4.51	Average	181	215
2	5150.00	59.10	74.00	-14.90	54.59	4.51	Peak	181	215
3	10400.00	55.65	68.20	-12.55	41.59	14.06	Peak	100	90
4	15600.00	43.24	54.00	-10.76	29.45	13.79	Average	100	20
5	15600.00	55.90	74.00	-18.10	42.11	13.79	Peak	100	20

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

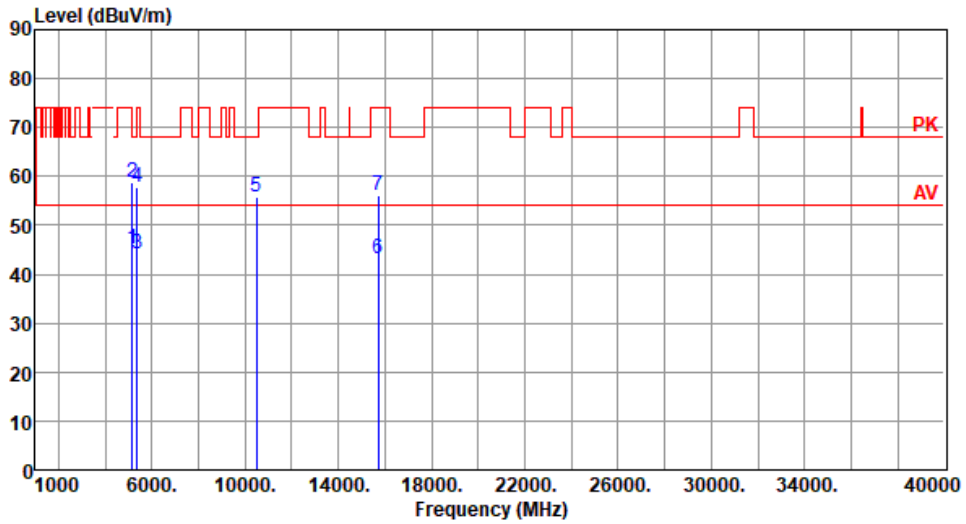


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.10	54.00	-8.90	40.59	4.51	Average	100	165
2	5150.00	58.56	74.00	-15.44	54.05	4.51	Peak	100	165
3	10400.00	55.32	68.20	-12.88	41.26	14.06	Peak	100	60
4	15600.00	43.36	54.00	-10.64	29.57	13.79	Average	100	50
5	15600.00	56.05	74.00	-17.95	42.26	13.79	Peak	100	50

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

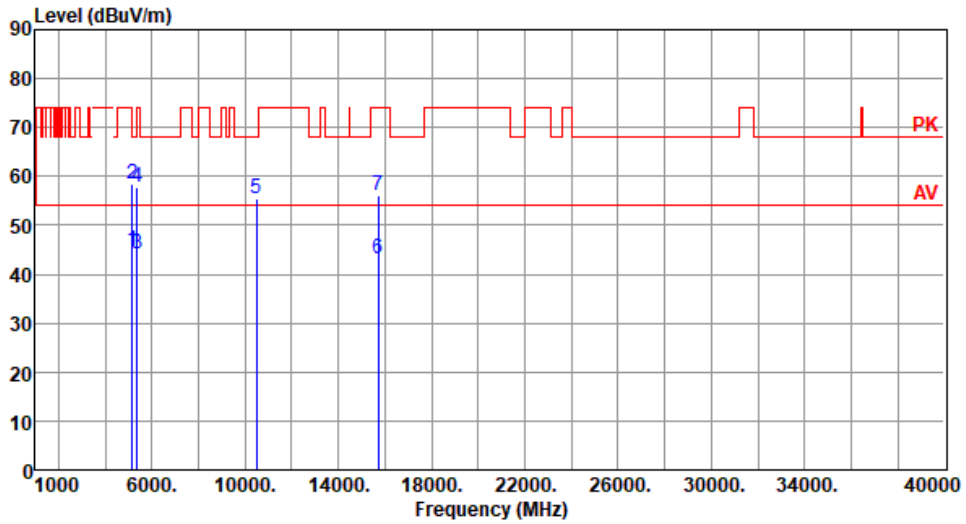


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.19	54.00	-8.81	40.68	4.51	Average	185	216
2	5150.00	58.90	74.00	-15.10	54.39	4.51	Peak	185	216
3	5350.00	44.32	54.00	-9.68	40.34	3.98	Average	185	216
4	5350.00	57.93	74.00	-16.07	53.95	3.98	Peak	185	216
5	10480.00	55.65	68.20	-12.55	41.46	14.19	Peak	100	50
6	15720.00	43.17	54.00	-10.83	29.33	13.84	Average	100	20
7	15720.00	56.07	74.00	-17.93	42.23	13.84	Peak	100	20

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

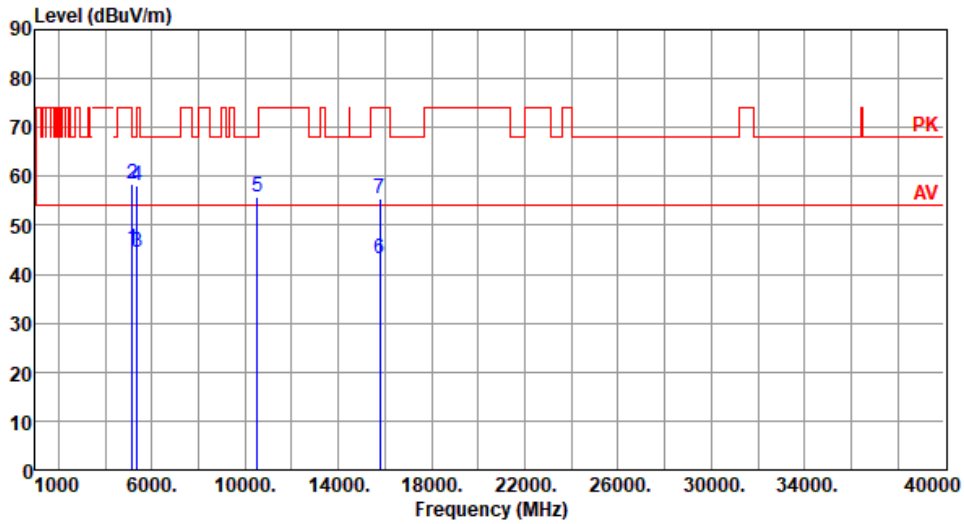


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.76	54.00	-9.24	40.25	4.51	Average	100	168
2	5150.00	58.53	74.00	-15.47	54.02	4.51	Peak	100	168
3	5350.00	44.08	54.00	-9.92	40.10	3.98	Average	100	168
4	5350.00	57.66	74.00	-16.34	53.68	3.98	Peak	100	168
5	10480.00	55.41	68.20	-12.79	41.22	14.19	Peak	100	30
6	15720.00	43.03	54.00	-10.97	29.19	13.84	Average	100	90
7	15720.00	56.01	74.00	-17.99	42.17	13.84	Peak	100	90

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

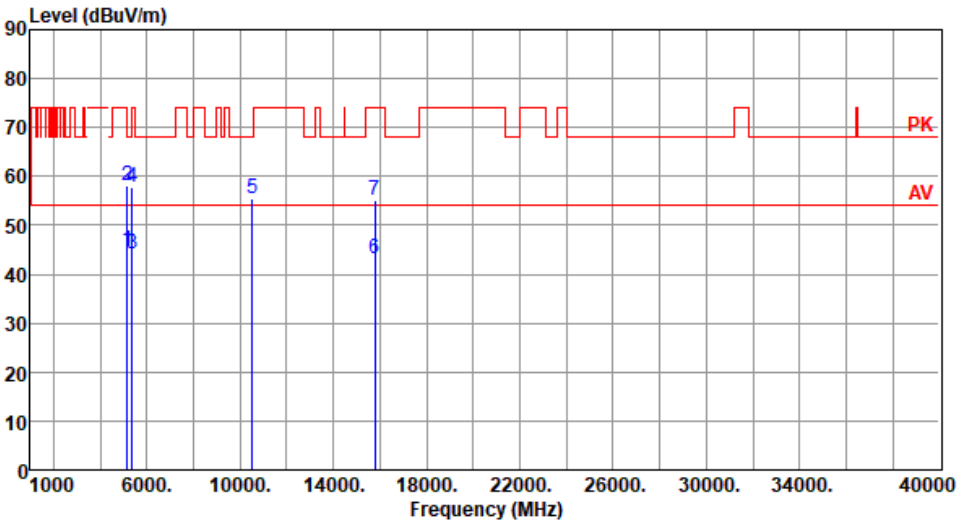


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.10	54.00	-8.90	40.59	4.51	Average	118	172
2	5150.00	58.49	74.00	-15.51	53.98	4.51	Peak	118	172
3	5350.00	44.63	54.00	-9.37	40.65	3.98	Average	118	172
4	5350.00	58.03	74.00	-15.97	54.05	3.98	Peak	118	172
5	10520.00	55.74	68.20	-12.46	41.56	14.18	Peak	100	55
6	15780.00	43.13	54.00	-10.87	29.25	13.88	Average	100	90
7	15780.00	55.54	74.00	-18.46	41.66	13.88	Peak	100	90

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

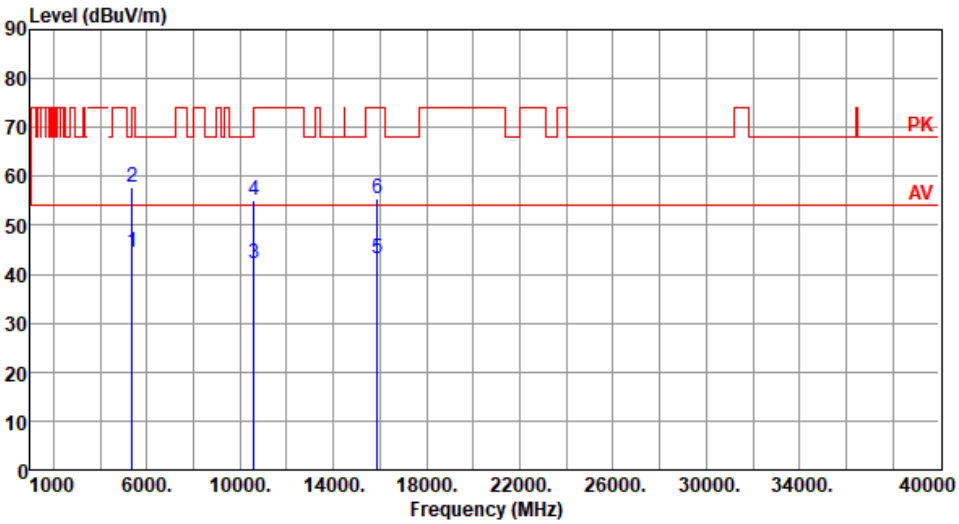


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.76	54.00	-9.24	40.25	4.51	Average	100	149
2	5150.00	58.20	74.00	-15.80	53.69	4.51	Peak	100	149
3	5350.00	44.33	54.00	-9.67	40.35	3.98	Average	100	149
4	5350.00	57.74	74.00	-16.26	53.76	3.98	Peak	100	149
5	10520.00	55.61	68.20	-12.59	41.43	14.18	Peak	100	40
6	15780.00	43.01	54.00	-10.99	29.13	13.88	Average	100	80
7	15780.00	55.13	74.00	-18.87	41.25	13.88	Peak	100	80

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

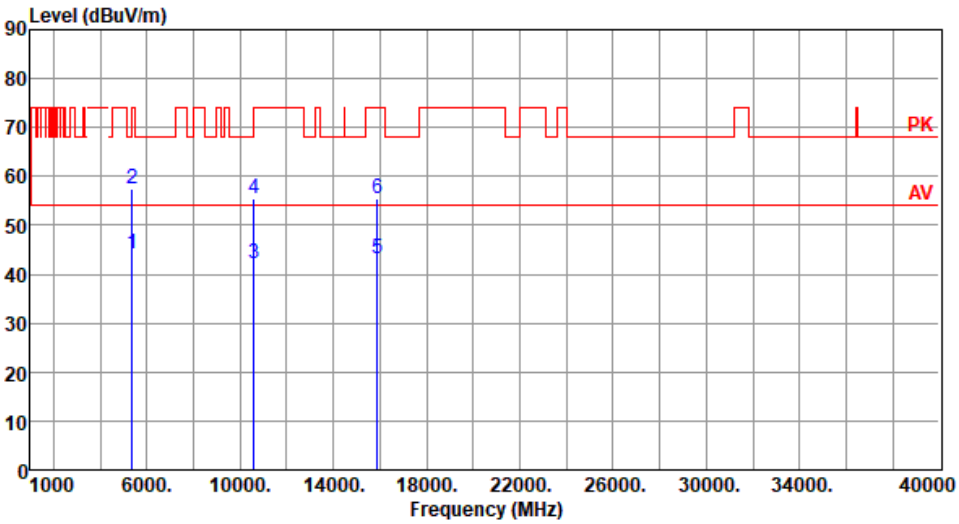


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.40	54.00	-9.60	40.42	3.98	Average	116	175
2	5350.00	57.66	74.00	-16.34	53.68	3.98	Peak	116	175
3	10600.00	42.23	54.00	-11.77	28.17	14.06	Average	100	60
4	10600.00	55.07	74.00	-18.93	41.01	14.06	Peak	100	60
5	15900.00	43.08	54.00	-10.92	29.15	13.93	Average	100	30
6	15900.00	55.49	74.00	-18.51	41.56	13.93	Peak	100	30

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

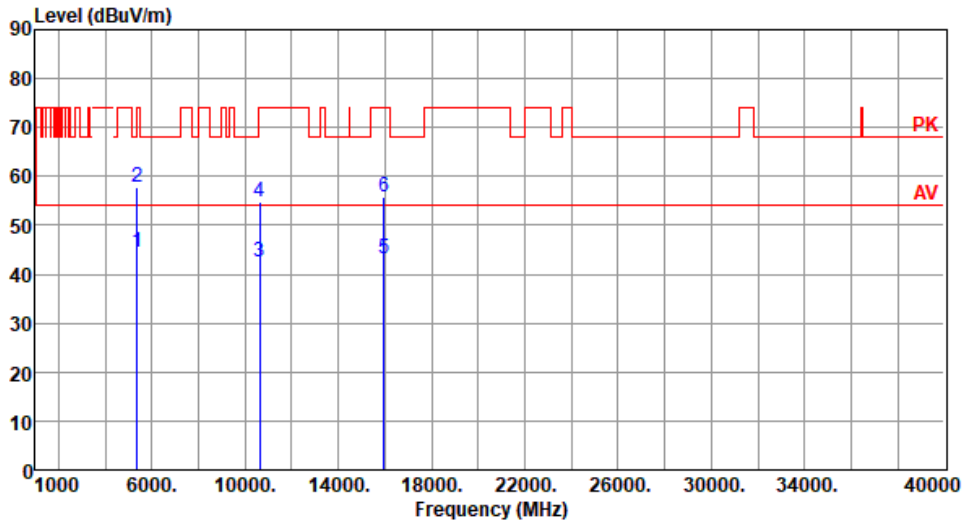


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.23	54.00	-9.77	40.25	3.98	Average	100	155
2	5350.00	57.43	74.00	-16.57	53.45	3.98	Peak	100	155
3	10600.00	42.21	54.00	-11.79	28.15	14.06	Average	100	20
4	10600.00	55.35	74.00	-18.65	41.29	14.06	Peak	100	20
5	15900.00	43.12	54.00	-10.88	29.19	13.93	Average	100	50
6	15900.00	55.57	74.00	-18.43	41.64	13.93	Peak	100	50

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

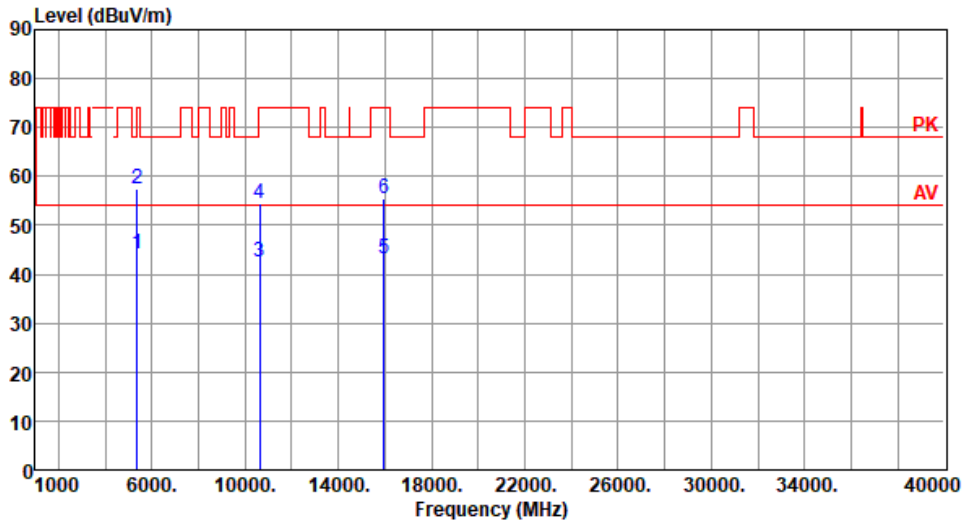


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.56	54.00	-9.44	40.58	3.98	Average	114	174
2	5350.00	57.80	74.00	-16.20	53.82	3.98	Peak	114	174
3	10640.00	42.64	54.00	-11.36	28.56	14.08	Average	100	30
4	10640.00	54.75	74.00	-19.25	40.67	14.08	Peak	100	30
5	15960.00	43.15	54.00	-10.85	29.13	14.02	Average	100	80
6	15960.00	55.83	74.00	-18.17	41.81	14.02	Peak	100	80

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

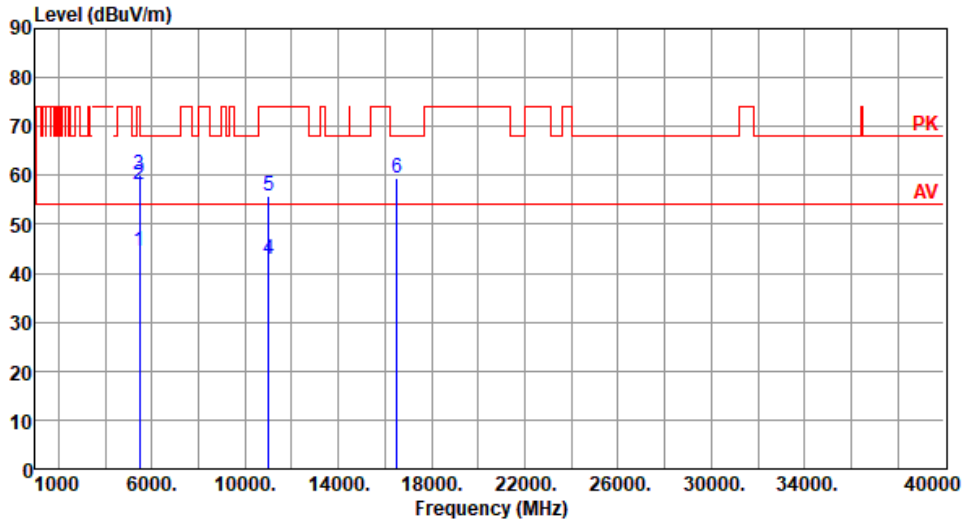


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.24	54.00	-9.76	40.26	3.98	Average	100	155
2	5350.00	57.57	74.00	-16.43	53.59	3.98	Peak	100	155
3	10640.00	42.51	54.00	-11.49	28.43	14.08	Average	100	40
4	10640.00	54.63	74.00	-19.37	40.55	14.08	Peak	100	40
5	15960.00	43.07	54.00	-10.93	29.05	14.02	Average	100	20
6	15960.00	55.51	74.00	-18.49	41.49	14.02	Peak	100	20

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

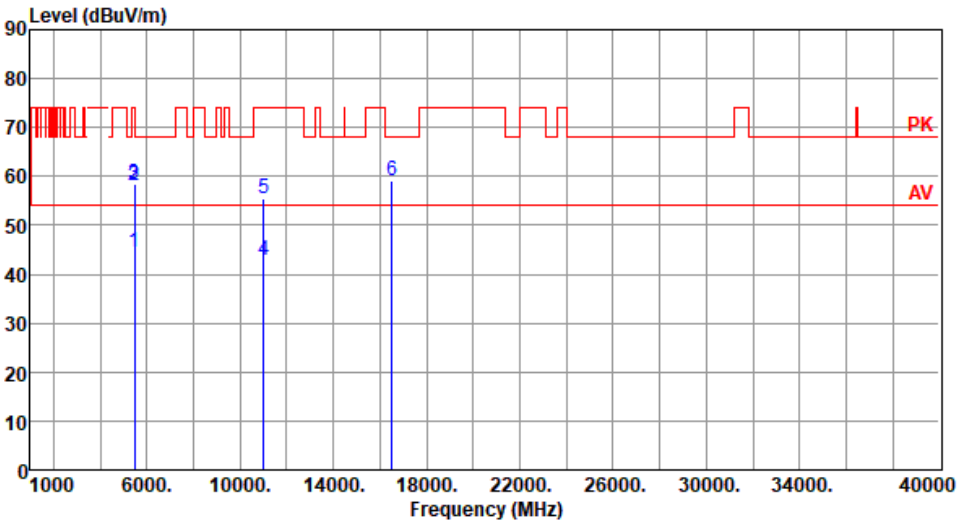


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.59	54.00	-9.41	40.30	4.29	Average	122	172
2	5460.00	58.26	74.00	-15.74	53.97	4.29	Peak	122	172
3	5470.00	60.07	68.20	-8.13	55.75	4.32	Peak	122	172
4	11000.00	42.87	54.00	-11.13	28.55	14.32	Average	100	40
5	11000.00	55.78	74.00	-18.22	41.46	14.32	Peak	100	40
6	16500.00	59.30	68.20	-8.90	42.55	16.75	Peak	100	90

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

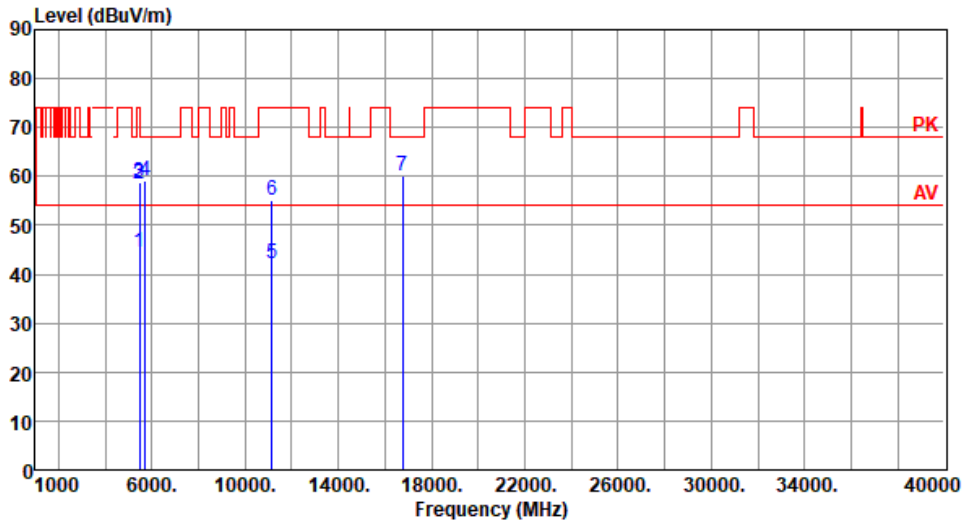


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.45	54.00	-9.55	40.16	4.29	Average	133	138
2	5460.00	58.07	74.00	-15.93	53.78	4.29	Peak	133	138
3	5470.00	58.47	68.20	-9.73	54.15	4.32	Peak	133	138
4	11000.00	42.75	54.00	-11.25	28.43	14.32	Average	100	20
5	11000.00	55.61	74.00	-18.39	41.29	14.32	Peak	100	20
6	16500.00	58.98	68.20	-9.22	42.23	16.75	Peak	100	30

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

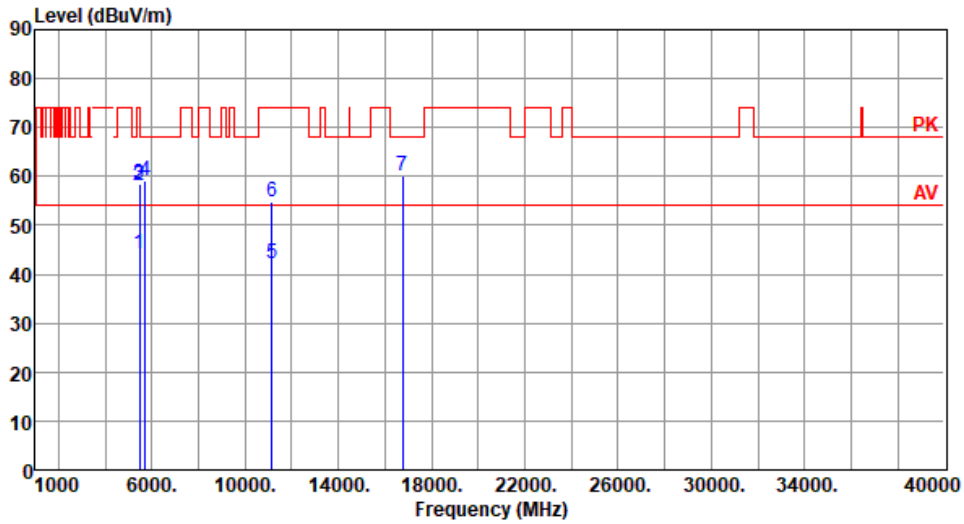


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.45	54.00	-9.55	40.16	4.29	Average	123	175
2	5460.00	58.56	74.00	-15.44	54.27	4.29	Peak	123	175
3	5470.00	58.91	68.20	-9.29	54.59	4.32	Peak	123	175
4	5725.00	59.28	68.20	-8.92	54.33	4.95	Peak	123	175
5	11160.00	42.02	54.00	-11.98	28.37	13.65	Average	100	40
6	11160.00	55.00	74.00	-19.00	41.35	13.65	Peak	100	40
7	16740.00	59.95	68.20	-8.25	42.46	17.49	Peak	100	60

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

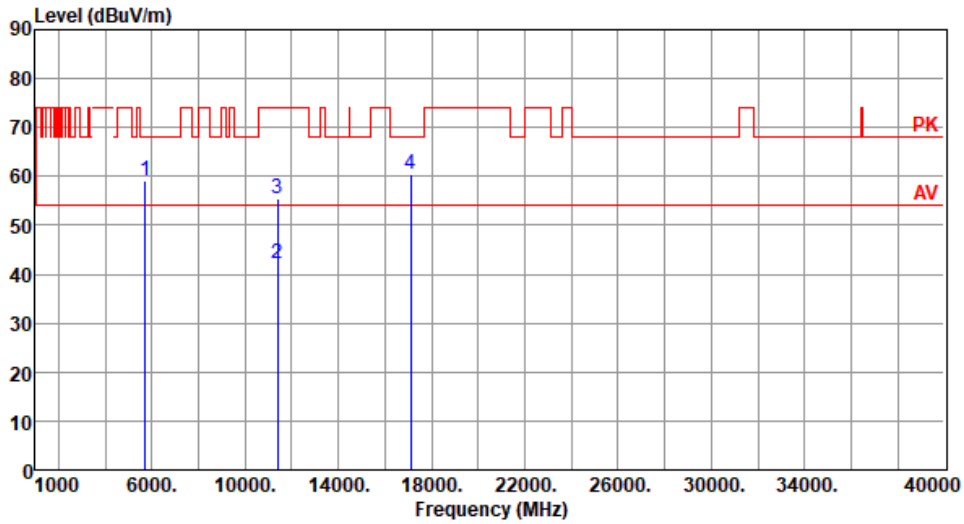


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.16	54.00	-9.84	39.87	4.29	Average	135	139
2	5460.00	58.08	74.00	-15.92	53.79	4.29	Peak	135	139
3	5470.00	58.34	68.20	-9.86	54.02	4.32	Peak	135	139
4	5725.00	58.98	68.20	-9.22	54.03	4.95	Peak	135	139
5	11160.00	42.21	54.00	-11.79	28.56	13.65	Average	100	80
6	11160.00	54.91	74.00	-19.09	41.26	13.65	Peak	100	80
7	16740.00	60.08	68.20	-8.12	42.59	17.49	Peak	100	60

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

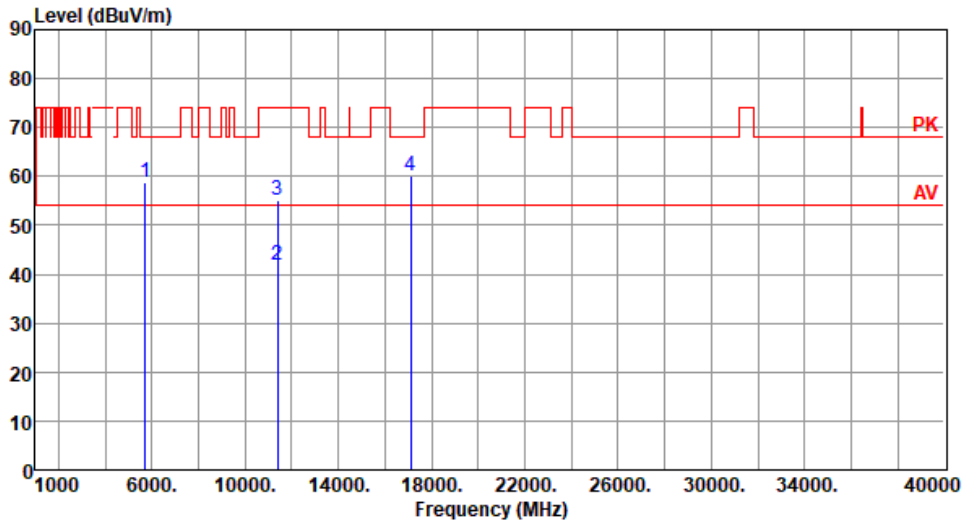


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	59.05	68.20	-9.15	54.10	4.95	Peak	107	167
2	11400.00	42.13	54.00	-11.87	28.29	13.84	Average	100	60
3	11400.00	55.30	74.00	-18.70	41.46	13.84	Peak	100	60
4	17100.00	60.36	68.20	-7.84	42.69	17.67	Peak	100	70

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

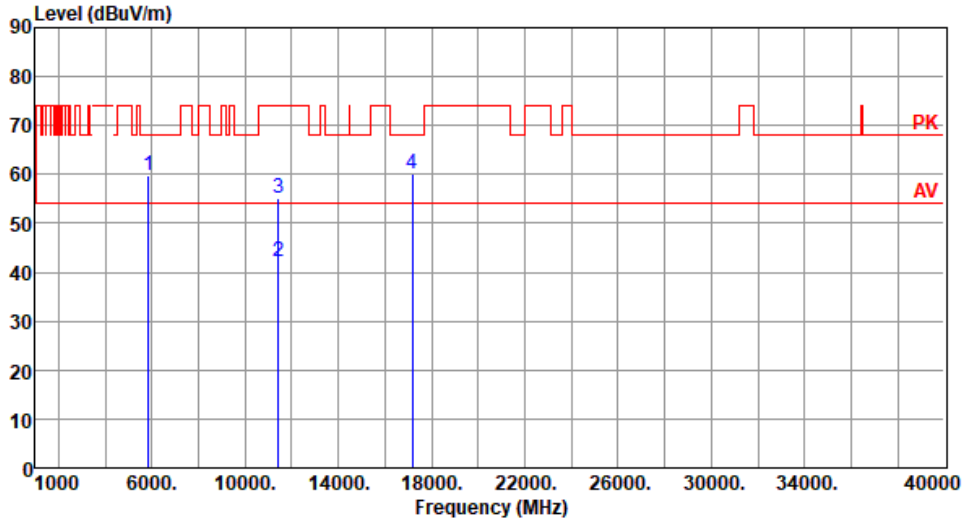


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	58.64	68.20	-9.56	53.69	4.95	Peak	128	135
2	11400.00	41.95	54.00	-12.05	28.11	13.84	Average	100	50
3	11400.00	55.10	74.00	-18.90	41.26	13.84	Peak	100	50
4	17100.00	60.13	68.20	-8.07	42.46	17.67	Peak	100	90

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

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

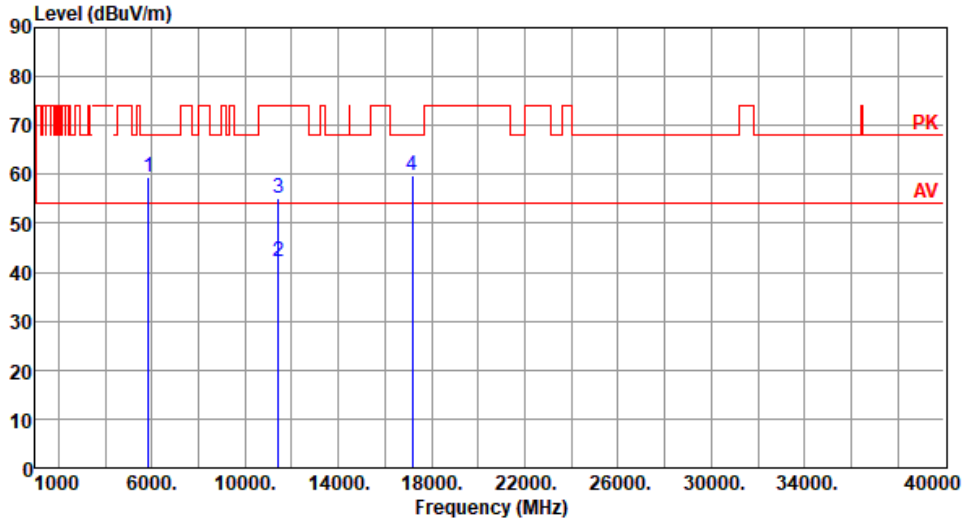


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.65	68.20	-8.55	54.16	5.49	Peak	125	172
2	11440.00	42.20	54.00	-11.80	28.25	13.95	Average	100	30
3	11440.00	55.24	74.00	-18.76	41.29	13.95	Peak	100	30
4	17160.00	60.01	68.20	-8.19	42.32	17.69	Peak	100	80

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

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

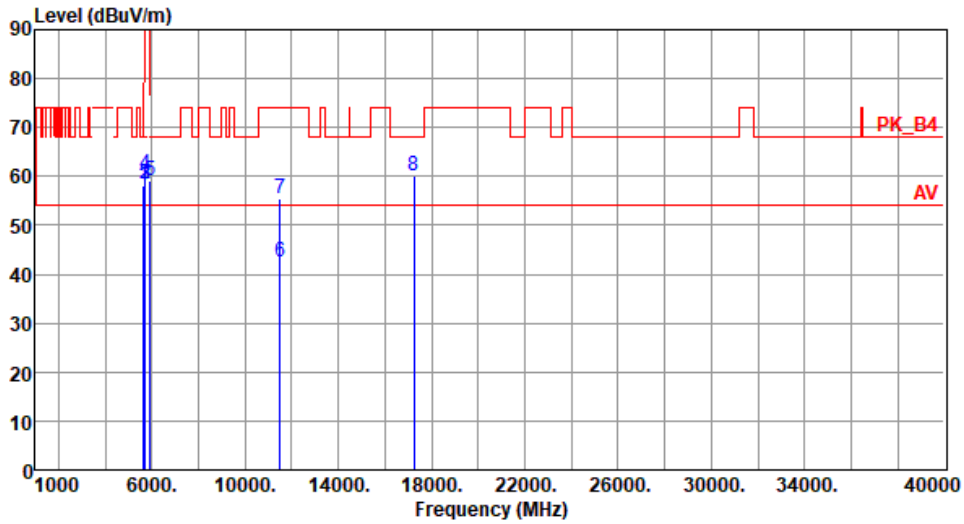


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.35	68.20	-8.85	53.86	5.49	Peak	132	138
2	11440.00	42.10	54.00	-11.90	28.15	13.95	Average	100	60
3	11440.00	55.08	74.00	-18.92	41.13	13.95	Peak	100	60
4	17160.00	59.88	68.20	-8.32	42.19	17.69	Peak	100	55

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

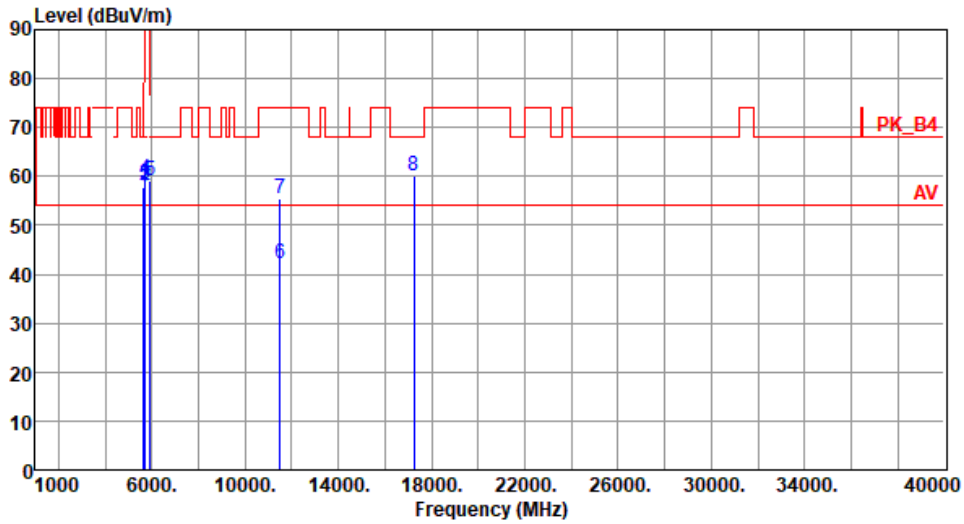


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.98	68.20	-10.22	53.46	4.52	Peak	144	165
2	5700.00	58.33	105.20	-46.87	53.56	4.77	Peak	144	165
3	5720.00	58.56	110.80	-52.24	53.65	4.91	Peak	144	165
4	5725.00	60.32	122.20	-61.88	55.37	4.95	Peak	144	165
5	5925.00	59.26	68.20	-8.94	53.78	5.48	Peak	144	165
6	11490.00	42.41	54.00	-11.59	28.32	14.09	Average	100	40
7	11490.00	55.48	74.00	-18.52	41.39	14.09	Peak	100	40
8	17235.00	60.19	68.20	-8.01	42.44	17.75	Peak	100	80

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

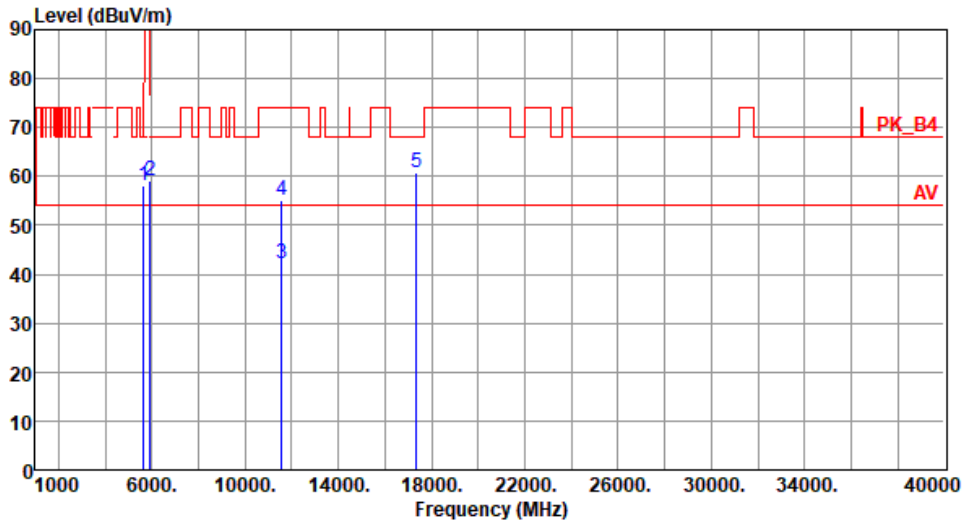


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.74	68.20	-10.46	53.22	4.52	Peak	128	143
2	5700.00	58.20	105.20	-47.00	53.43	4.77	Peak	128	143
3	5720.00	58.40	110.80	-52.40	53.49	4.91	Peak	128	143
4	5725.00	59.34	122.20	-62.86	54.39	4.95	Peak	128	143
5	5925.00	59.03	68.20	-9.17	53.55	5.48	Peak	128	143
6	11490.00	42.34	54.00	-11.66	28.25	14.09	Average	100	25
7	11490.00	55.40	74.00	-18.60	41.31	14.09	Peak	100	25
8	17235.00	59.96	68.20	-8.24	42.21	17.75	Peak	100	60

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

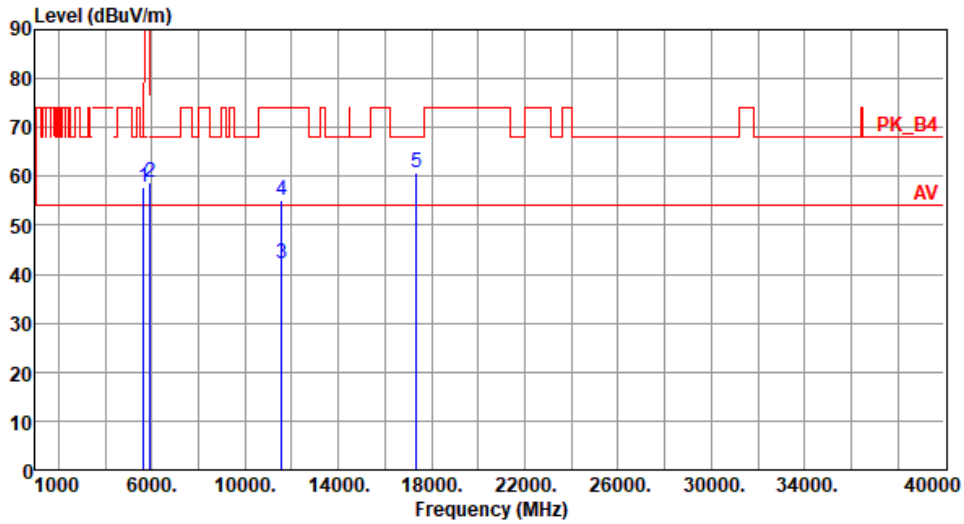


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.08	68.20	-10.12	53.56	4.52	Peak	145	168
2	5925.00	59.15	68.20	-9.05	53.67	5.48	Peak	145	168
3	11570.00	42.21	54.00	-11.79	28.25	13.96	Average	100	60
4	11570.00	55.22	74.00	-18.78	41.26	13.96	Peak	100	60
5	17355.00	60.83	68.20	-7.37	42.60	18.23	Peak	100	20

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

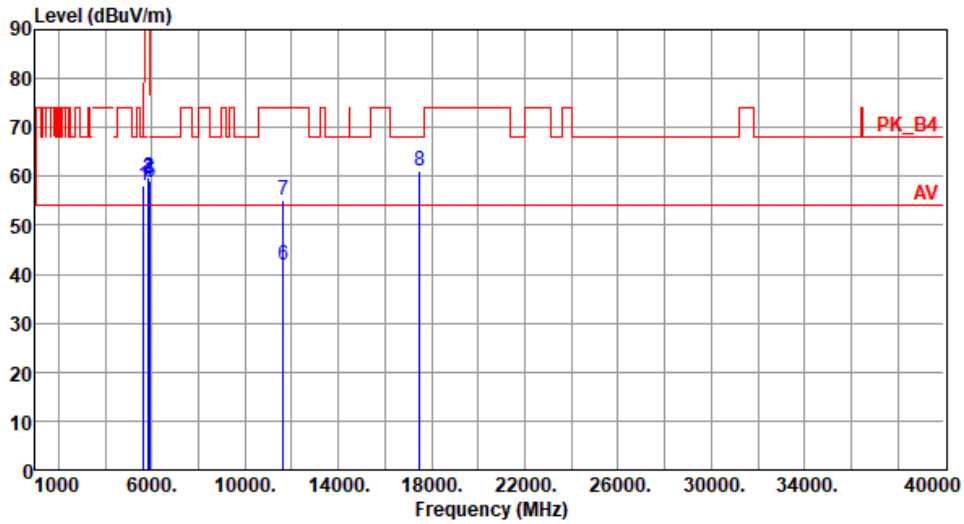


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.94	68.20	-10.26	53.42	4.52	Peak	128	143
2	5925.00	58.93	68.20	-9.27	53.45	5.48	Peak	128	143
3	11570.00	42.09	54.00	-11.91	28.13	13.96	Average	100	60
4	11570.00	55.07	74.00	-18.93	41.11	13.96	Peak	100	60
5	17355.00	60.70	68.20	-7.50	42.47	18.23	Peak	100	120

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

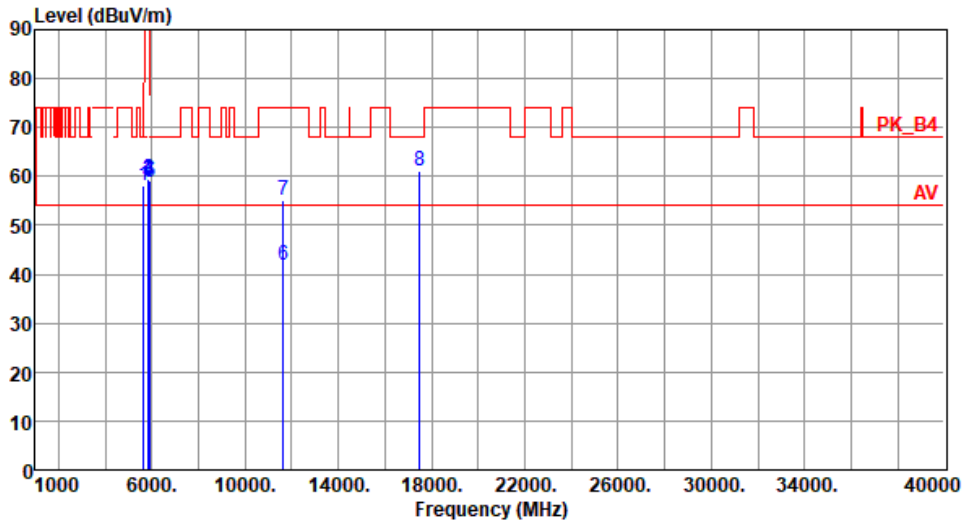


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.20	68.20	-10.00	53.68	4.52	Peak	143	169
2	5850.00	59.75	122.20	-62.45	54.26	5.49	Peak	143	169
3	5855.00	59.28	110.80	-51.52	53.79	5.49	Peak	143	169
4	5875.00	59.15	105.20	-46.05	53.65	5.50	Peak	143	169
5	5925.00	58.90	68.20	-9.30	53.42	5.48	Peak	143	169
6	11650.00	41.80	54.00	-12.20	28.17	13.63	Average	100	60
7	11650.00	55.12	74.00	-18.88	41.49	13.63	Peak	100	60
8	17475.00	61.09	68.20	-7.11	42.19	18.90	Peak	100	30

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

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

Test By :Roger Lu Temperature(℃):23 Humidity(%):65



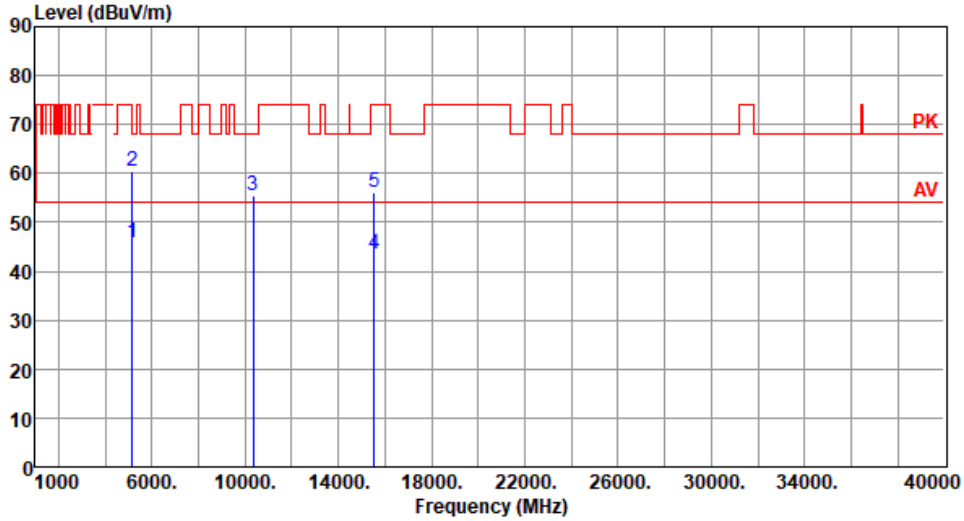
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.01	68.20	-10.19	53.49	4.52	Peak	129	136
2	5850.00	59.51	122.20	-62.69	54.02	5.49	Peak	129	136
3	5855.00	59.15	110.80	-51.65	53.66	5.49	Peak	129	136
4	5875.00	59.09	105.20	-46.11	53.59	5.50	Peak	129	136
5	5925.00	58.84	68.20	-9.36	53.36	5.48	Peak	129	136
6	11650.00	41.92	54.00	-12.08	28.29	13.63	Average	100	40
7	11650.00	55.19	74.00	-18.81	41.56	13.63	Peak	100	40
8	17475.00	61.23	68.20	-6.97	42.33	18.90	Peak	100	60

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

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

Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

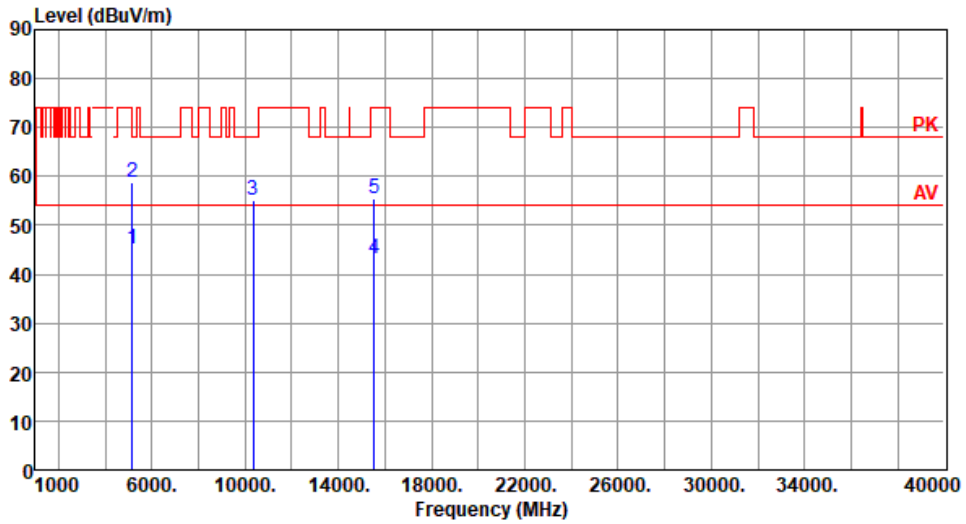


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.94	54.00	-8.06	41.43	4.51	Average	180	211
2	5150.00	60.56	74.00	-13.44	56.05	4.51	Peak	180	211
3	10360.00	55.52	68.20	-12.68	41.57	13.95	Peak	100	80
4	15540.00	43.38	54.00	-10.62	29.26	14.12	Average	100	70
5	15540.00	56.25	74.00	-17.75	42.13	14.12	Peak	100	70

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

Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

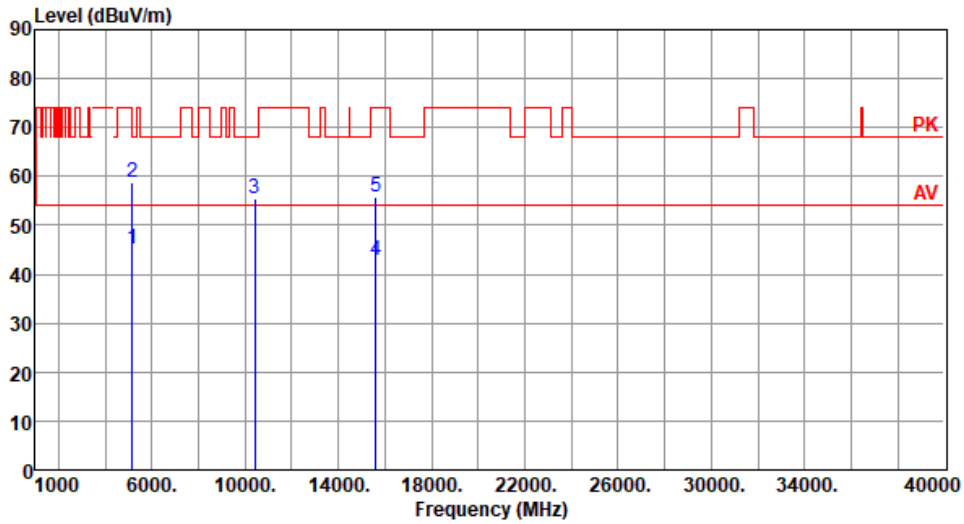


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.07	54.00	-8.93	40.56	4.51	Average	100	161
2	5150.00	58.77	74.00	-15.23	54.26	4.51	Peak	100	161
3	10360.00	55.21	68.20	-12.99	41.26	13.95	Peak	100	40
4	15540.00	43.15	54.00	-10.85	29.03	14.12	Average	100	30
5	15540.00	55.46	74.00	-18.54	41.34	14.12	Peak	100	30

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

Modulation	HT20	Test Freq. (MHz)	5200
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

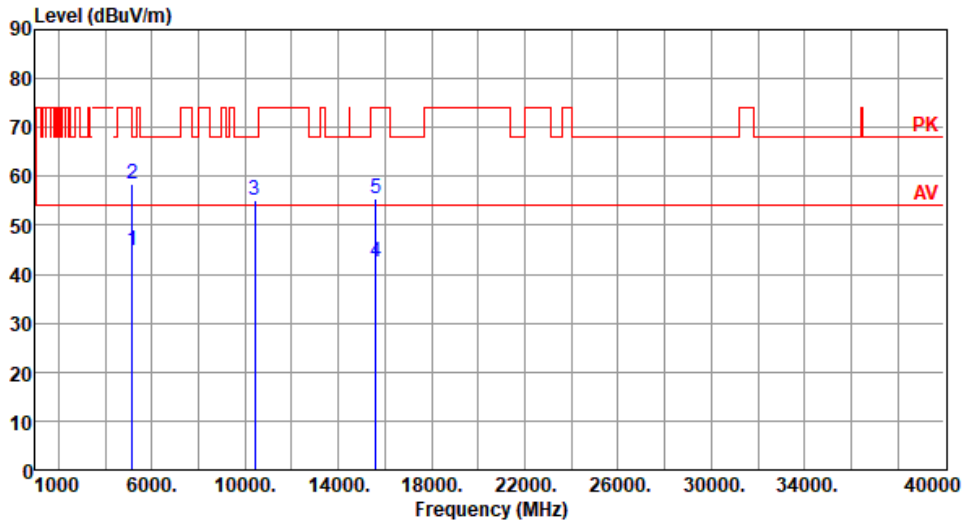


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.19	54.00	-8.81	40.68	4.51	Average	175	215
2	5150.00	58.77	74.00	-15.23	54.26	4.51	Peak	175	215
3	10400.00	55.52	68.20	-12.68	41.46	14.06	Peak	100	30
4	15600.00	42.84	54.00	-11.16	29.05	13.79	Average	100	50
5	15600.00	55.88	74.00	-18.12	42.09	13.79	Peak	100	50

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

Modulation	HT20	Test Freq. (MHz)	5200
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

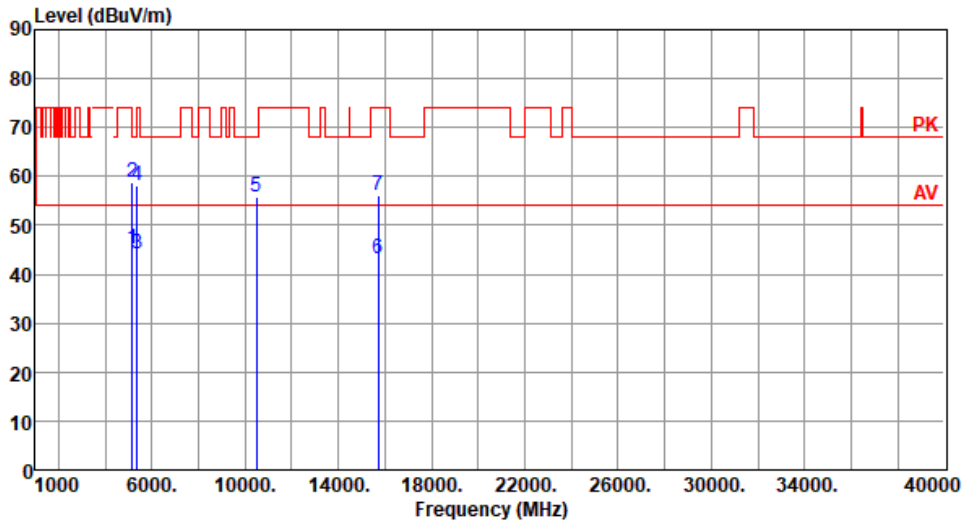


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.76	54.00	-9.24	40.25	4.51	Average	100	163
2	5150.00	58.40	74.00	-15.60	53.89	4.51	Peak	100	163
3	10400.00	55.28	68.20	-12.92	41.22	14.06	Peak	100	60
4	15600.00	42.44	54.00	-11.56	28.65	13.79	Average	100	40
5	15600.00	55.48	74.00	-18.52	41.69	13.79	Peak	100	40

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

Modulation	HT20	Test Freq. (MHz)	5240
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

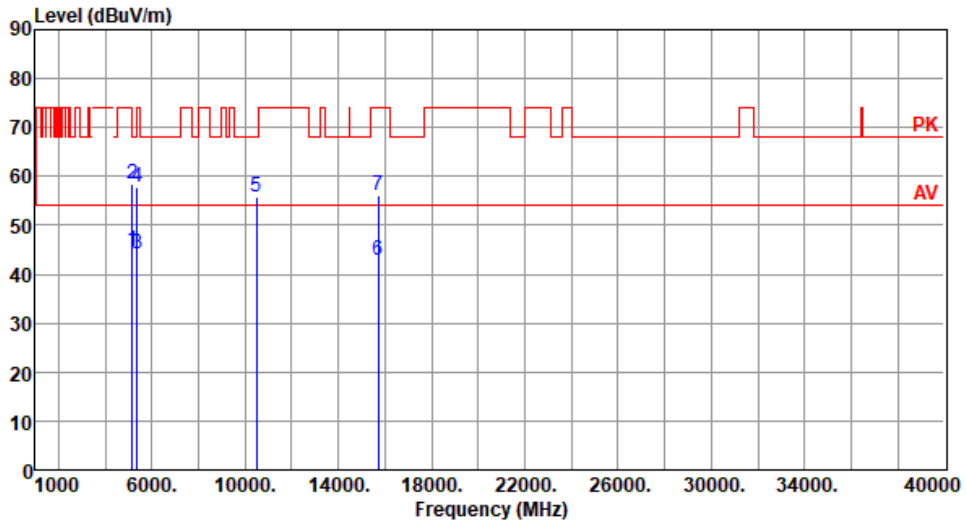


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.09	54.00	-8.91	40.58	4.51	Average	176	213
2	5150.00	58.62	74.00	-15.38	54.11	4.51	Peak	176	213
3	5350.00	44.24	54.00	-9.76	40.26	3.98	Average	176	213
4	5350.00	57.96	74.00	-16.04	53.98	3.98	Peak	176	213
5	10480.00	55.78	68.20	-12.42	41.59	14.19	Peak	100	60
6	15720.00	43.03	54.00	-10.97	29.19	13.84	Average	100	40
7	15720.00	56.19	74.00	-17.81	42.35	13.84	Peak	100	40

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

Modulation	HT20	Test Freq. (MHz)	5240
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

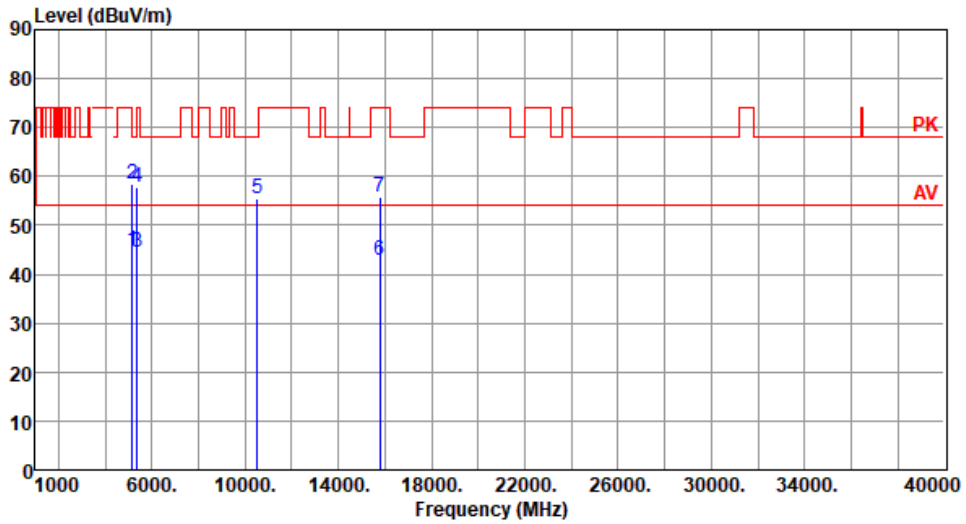


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.76	54.00	-9.24	40.25	4.51	Average	100	160
2	5150.00	58.48	74.00	-15.52	53.97	4.51	Peak	100	160
3	5350.00	44.03	54.00	-9.97	40.05	3.98	Average	100	160
4	5350.00	57.65	74.00	-16.35	53.67	3.98	Peak	100	160
5	10480.00	55.63	68.20	-12.57	41.44	14.19	Peak	100	55
6	15720.00	42.87	54.00	-11.13	29.03	13.84	Average	100	30
7	15720.00	56.01	74.00	-17.99	42.17	13.84	Peak	100	30

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

Modulation	HT20	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

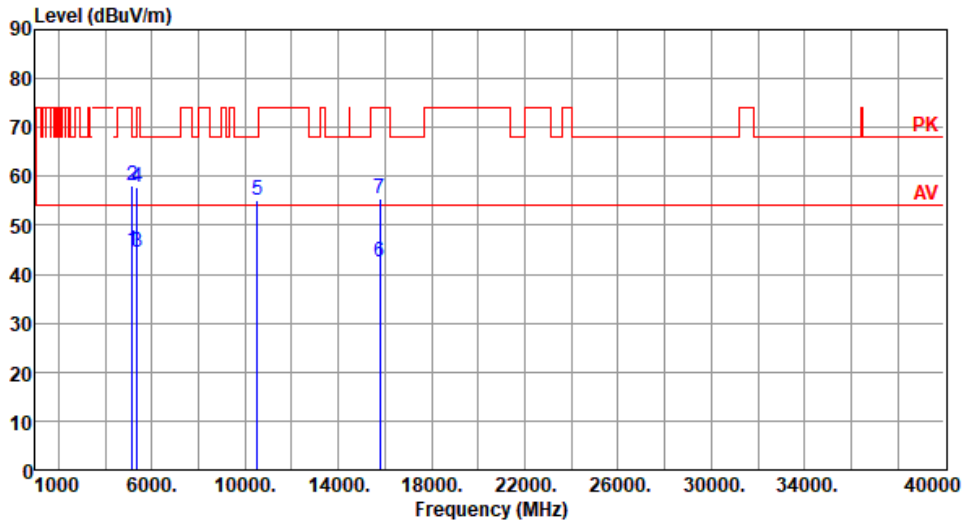


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.97	54.00	-9.03	40.46	4.51	Average	118	175
2	5150.00	58.57	74.00	-15.43	54.06	4.51	Peak	118	175
3	5350.00	44.57	54.00	-9.43	40.59	3.98	Average	118	175
4	5350.00	57.93	74.00	-16.07	53.95	3.98	Peak	118	175
5	10520.00	55.45	68.20	-12.75	41.27	14.18	Peak	100	90
6	15780.00	42.90	54.00	-11.10	29.02	13.88	Average	100	50
7	15780.00	55.82	74.00	-18.18	41.94	13.88	Peak	100	50

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

Modulation	HT20	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

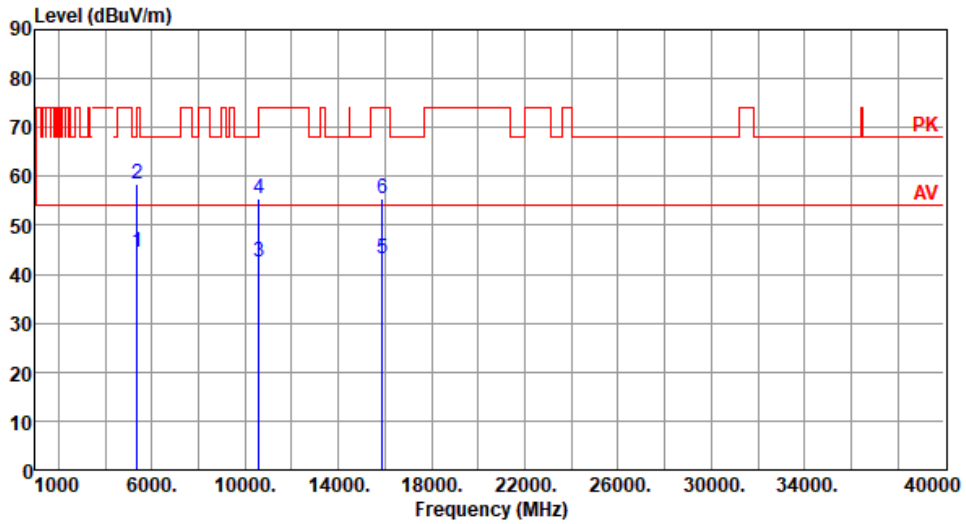


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.74	54.00	-9.26	40.23	4.51	Average	100	148
2	5150.00	58.18	74.00	-15.82	53.67	4.51	Peak	100	148
3	5350.00	44.44	54.00	-9.56	40.46	3.98	Average	100	148
4	5350.00	57.64	74.00	-16.36	53.66	3.98	Peak	100	148
5	10520.00	55.22	68.20	-12.98	41.04	14.18	Peak	100	60
6	15780.00	42.66	54.00	-11.34	28.78	13.88	Average	100	30
7	15780.00	55.43	74.00	-18.57	41.55	13.88	Peak	100	30

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

Modulation	HT20	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

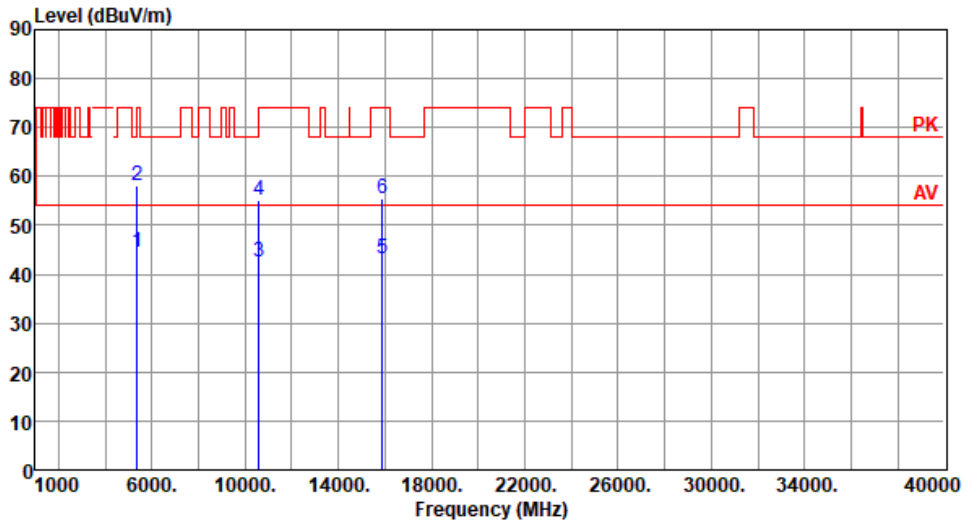


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.62	54.00	-9.38	40.64	3.98	Average	121	172
2	5350.00	58.37	74.00	-15.63	54.39	3.98	Peak	121	172
3	10600.00	42.62	54.00	-11.38	28.56	14.06	Average	100	30
4	10600.00	55.32	74.00	-18.68	41.26	14.06	Peak	100	30
5	15900.00	43.25	54.00	-10.75	29.32	13.93	Average	100	40
6	15900.00	55.60	74.00	-18.40	41.67	13.93	Peak	100	40

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

Modulation	HT20	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

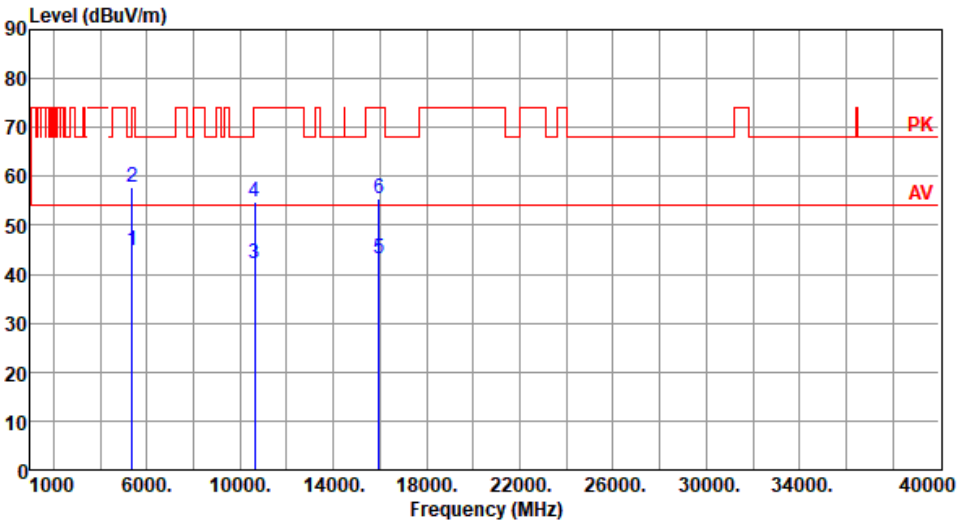


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.43	54.00	-9.57	40.45	3.98	Average	100	155
2	5350.00	58.13	74.00	-15.87	54.15	3.98	Peak	100	155
3	10600.00	42.48	54.00	-11.52	28.42	14.06	Average	100	60
4	10600.00	55.11	74.00	-18.89	41.05	14.06	Peak	100	60
5	15900.00	43.08	54.00	-10.92	29.15	13.93	Average	100	90
6	15900.00	55.38	74.00	-18.62	41.45	13.93	Peak	100	90

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

Modulation	HT20	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

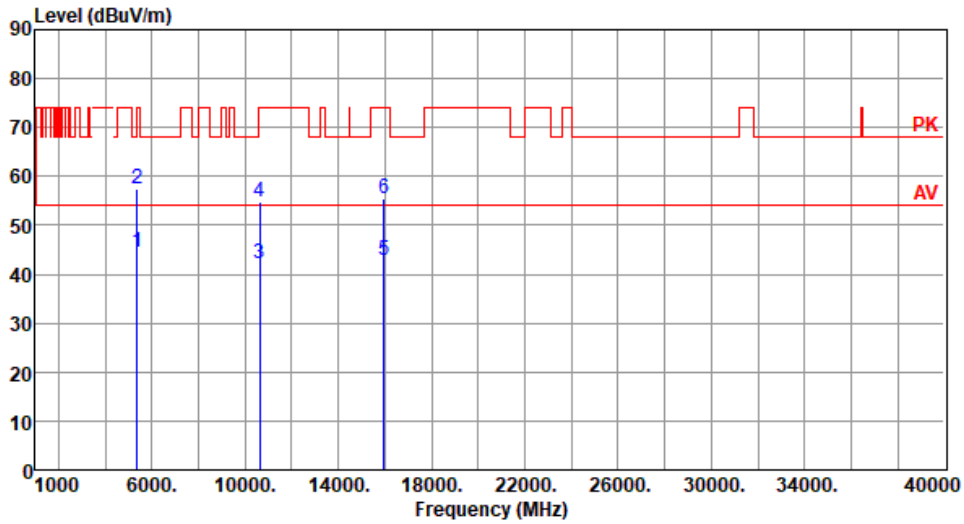


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.71	54.00	-9.29	40.73	3.98	Average	116	171
2	5350.00	57.80	74.00	-16.20	53.82	3.98	Peak	116	171
3	10640.00	42.34	54.00	-11.66	28.26	14.08	Average	100	70
4	10640.00	54.72	74.00	-19.28	40.64	14.08	Peak	100	70
5	15960.00	43.15	54.00	-10.85	29.13	14.02	Average	100	60
6	15960.00	55.60	74.00	-18.40	41.58	14.02	Peak	100	60

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

Modulation	HT20	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

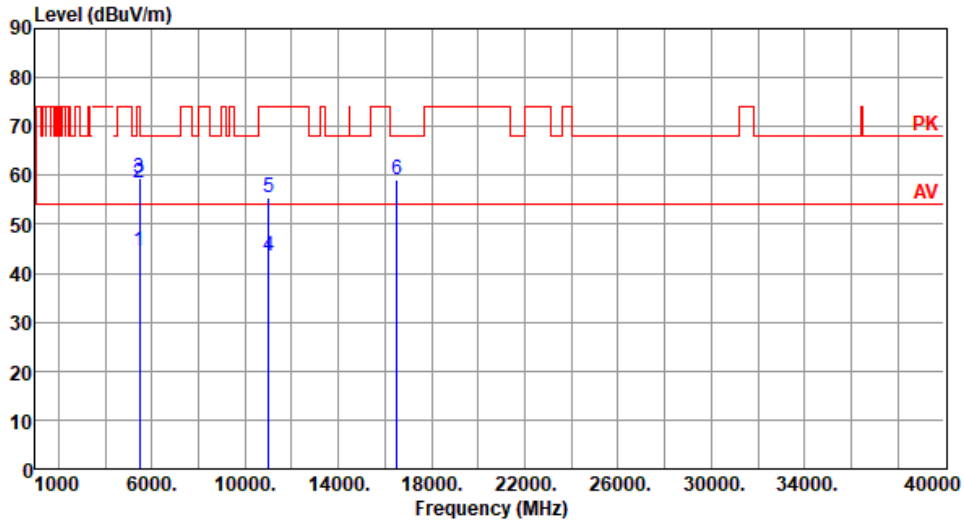


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.43	54.00	-9.57	40.45	3.98	Average	100	148
2	5350.00	57.54	74.00	-16.46	53.56	3.98	Peak	100	148
3	10640.00	42.19	54.00	-11.81	28.11	14.08	Average	100	30
4	10640.00	54.64	74.00	-19.36	40.56	14.08	Peak	100	30
5	15960.00	42.99	54.00	-11.01	28.97	14.02	Average	100	40
6	15960.00	55.36	74.00	-18.64	41.34	14.02	Peak	100	40

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

Modulation	HT20	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

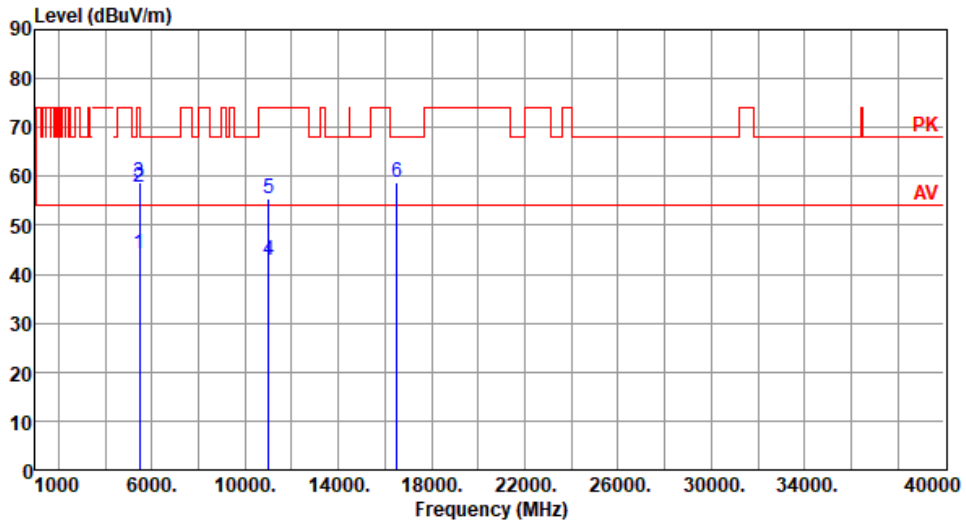


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.40	54.00	-9.60	40.11	4.29	Average	106	174
2	5460.00	58.36	74.00	-15.64	54.07	4.29	Peak	106	174
3	5470.00	59.35	68.20	-8.85	55.03	4.32	Peak	106	174
4	11000.00	43.48	54.00	-10.52	29.16	14.32	Average	100	40
5	11000.00	55.58	74.00	-18.42	41.26	14.32	Peak	100	40
6	16500.00	59.19	68.20	-9.01	42.44	16.75	Peak	100	30

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

Modulation	HT20	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

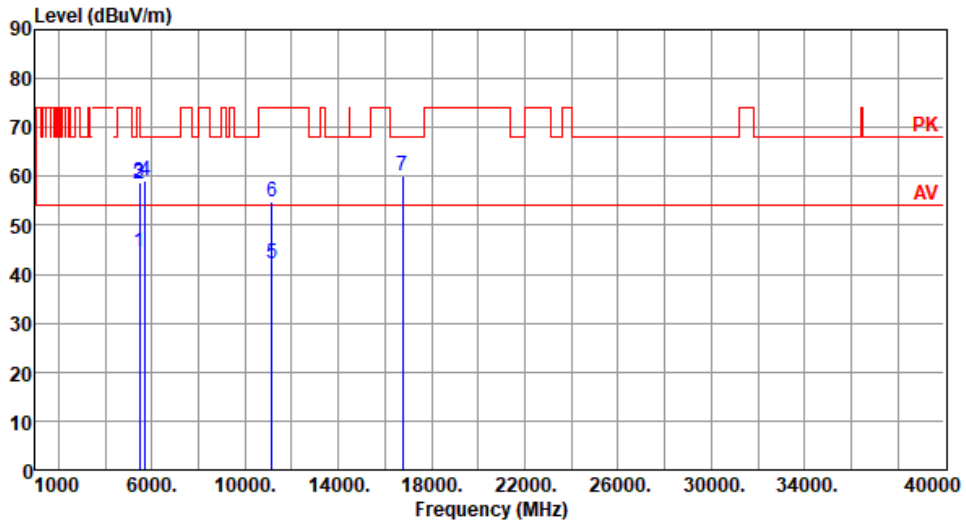


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.09	54.00	-9.91	39.80	4.29	Average	130	131
2	5460.00	57.89	74.00	-16.11	53.60	4.29	Peak	130	131
3	5470.00	58.87	68.20	-9.33	54.55	4.32	Peak	130	131
4	11000.00	42.97	54.00	-11.03	28.65	14.32	Average	100	20
5	11000.00	55.38	74.00	-18.62	41.06	14.32	Peak	100	20
6	16500.00	58.94	68.20	-9.26	42.19	16.75	Peak	100	80

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

Modulation	HT20	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

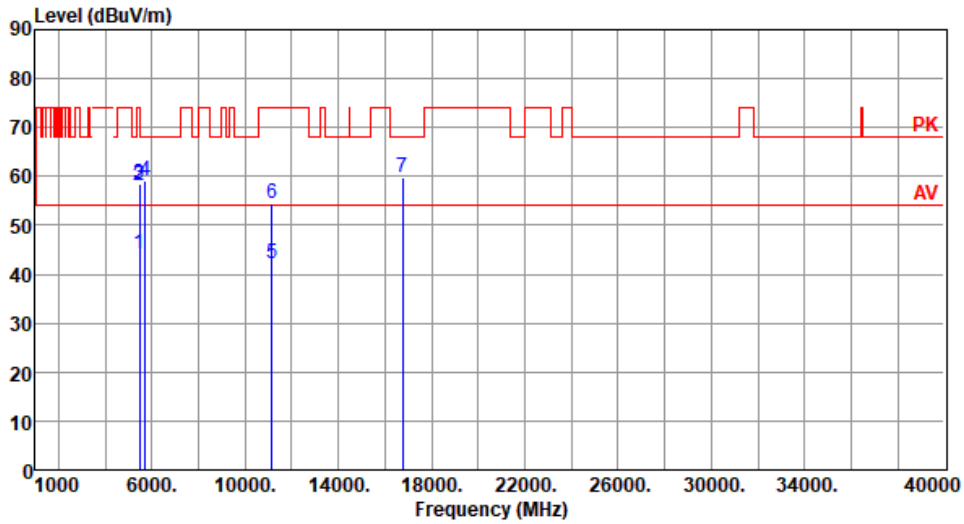


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.56	54.00	-9.44	40.27	4.29	Average	105	177
2	5460.00	58.39	74.00	-15.61	54.10	4.29	Peak	105	177
3	5470.00	58.63	68.20	-9.57	54.31	4.32	Peak	105	177
4	5725.00	59.21	68.20	-8.99	54.26	4.95	Peak	105	177
5	11160.00	42.32	54.00	-11.68	28.67	13.65	Average	100	30
6	11160.00	54.94	74.00	-19.06	41.29	13.65	Peak	100	30
7	16740.00	60.05	68.20	-8.15	42.56	17.49	Peak	100	90

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

Modulation	HT20	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

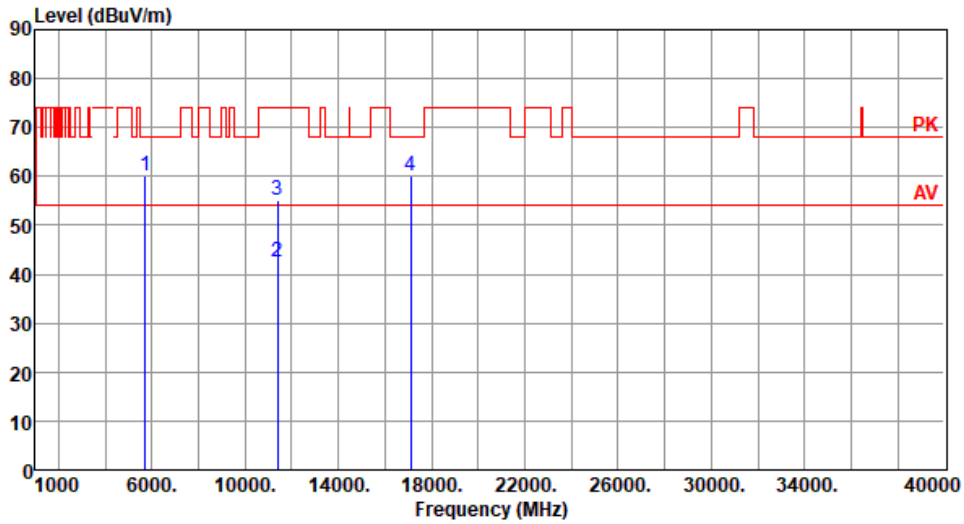


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.17	54.00	-9.83	39.88	4.29	Average	130	129
2	5460.00	58.25	74.00	-15.75	53.96	4.29	Peak	130	129
3	5470.00	58.47	68.20	-9.73	54.15	4.32	Peak	130	129
4	5725.00	58.98	68.20	-9.22	54.03	4.95	Peak	130	129
5	11160.00	42.10	54.00	-11.90	28.45	13.65	Average	100	20
6	11160.00	54.32	74.00	-19.68	40.67	13.65	Peak	100	20
7	16740.00	59.92	68.20	-8.28	42.43	17.49	Peak	100	50

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

Modulation	HT20	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

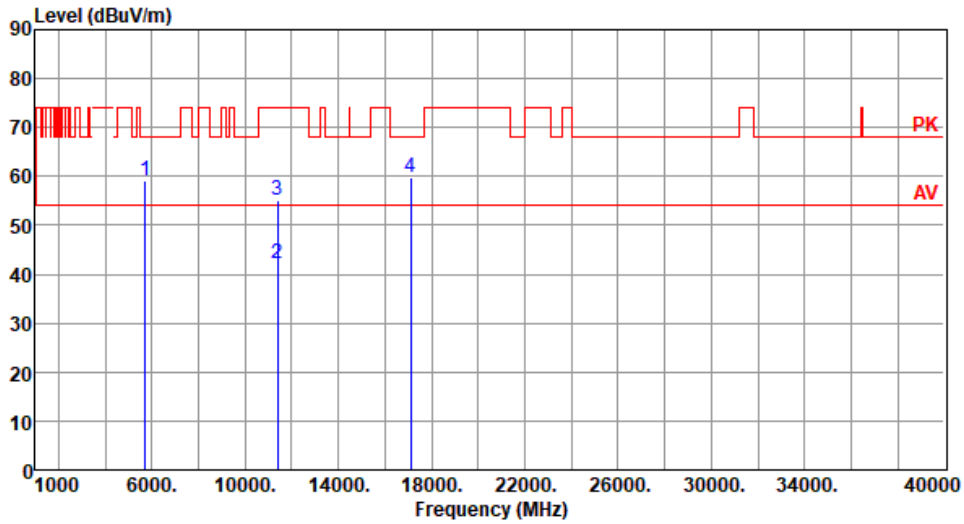


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	60.09	68.20	-8.11	55.14	4.95	Peak	131	166
2	11400.00	42.40	54.00	-11.60	28.56	13.84	Average	100	30
3	11400.00	55.18	74.00	-18.82	41.34	13.84	Peak	100	30
4	17100.00	59.98	68.20	-8.22	42.31	17.67	Peak	100	60

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

Modulation	HT20	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

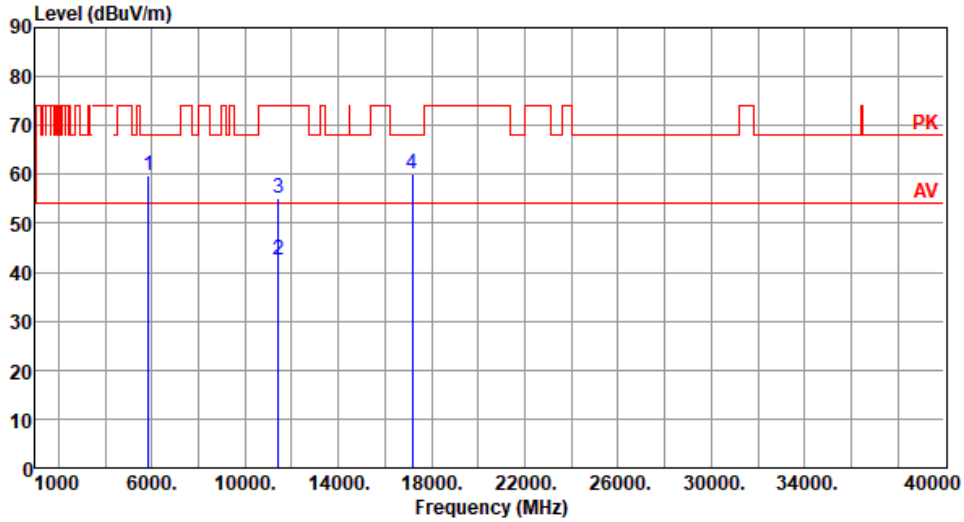


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	59.21	68.20	-8.99	54.26	4.95	Peak	129	135
2	11400.00	42.26	54.00	-11.74	28.42	13.84	Average	100	60
3	11400.00	55.05	74.00	-18.95	41.21	13.84	Peak	100	60
4	17100.00	59.82	68.20	-8.38	42.15	17.67	Peak	100	90

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

Modulation	HT20	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

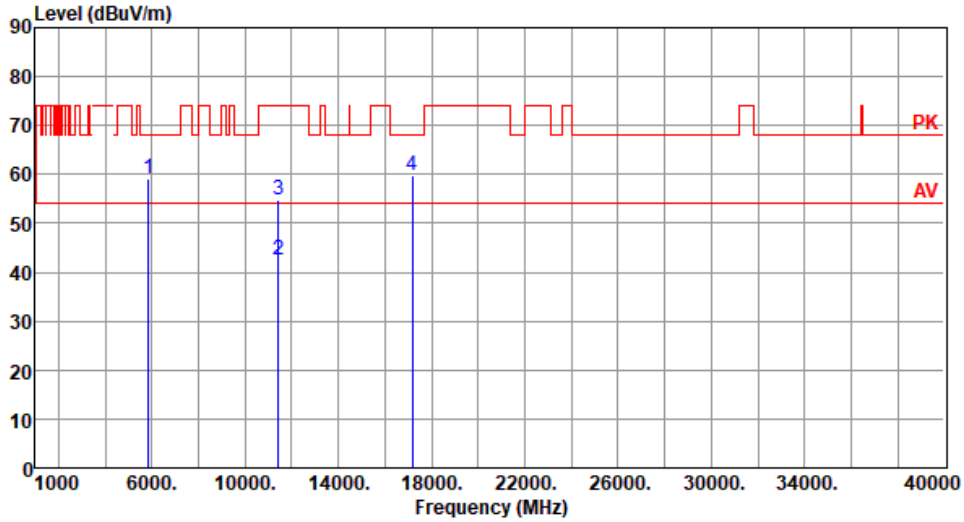


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.64	68.20	-8.56	54.15	5.49	Peak	110	174
2	11440.00	42.54	54.00	-11.46	28.59	13.95	Average	100	20
3	11440.00	54.98	74.00	-19.02	41.03	13.95	Peak	100	20
4	17160.00	60.12	68.20	-8.08	42.43	17.69	Peak	100	80

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

Modulation	HT20	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

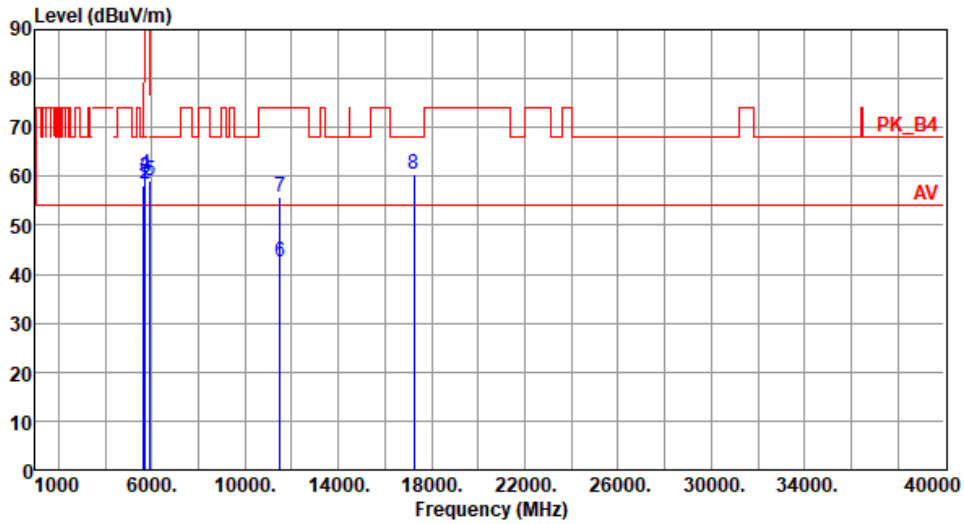


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.08	68.20	-9.12	53.59	5.49	Peak	132	134
2	11440.00	42.37	54.00	-11.63	28.42	13.95	Average	100	30
3	11440.00	54.84	74.00	-19.16	40.89	13.95	Peak	100	30
4	17160.00	59.94	68.20	-8.26	42.25	17.69	Peak	100	25

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

Modulation	HT20	Test Freq. (MHz)	5745
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

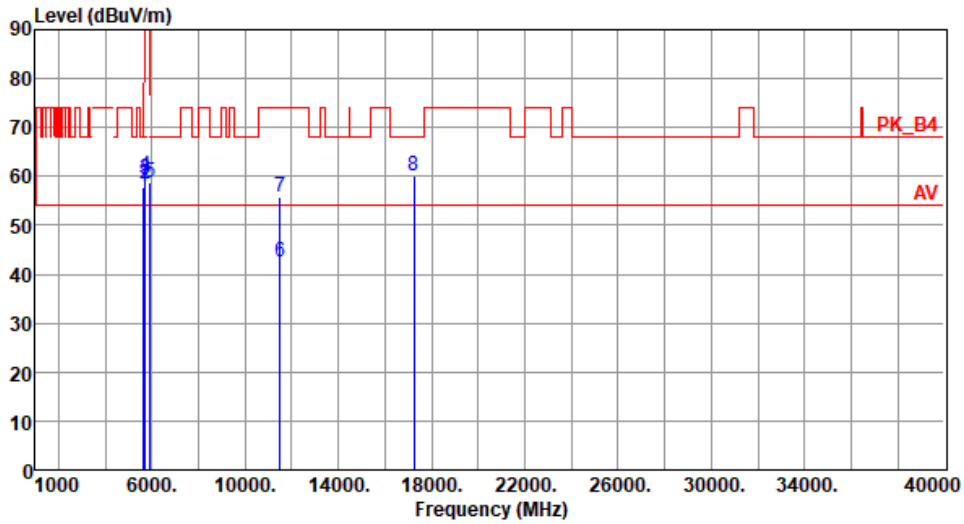


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.10	68.20	-10.10	53.58	4.52	Peak	145	168
2	5700.00	58.42	105.20	-46.78	53.65	4.77	Peak	145	168
3	5720.00	59.70	110.80	-51.10	54.79	4.91	Peak	145	168
4	5725.00	60.54	122.20	-61.66	55.59	4.95	Peak	145	168
5	5925.00	59.12	68.20	-9.08	53.64	5.48	Peak	145	168
6	11490.00	42.38	54.00	-11.62	28.29	14.09	Average	100	30
7	11490.00	55.65	74.00	-18.35	41.56	14.09	Peak	100	30
8	17235.00	60.31	68.20	-7.89	42.56	17.75	Peak	100	70

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

Modulation	HT20	Test Freq. (MHz)	5745
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

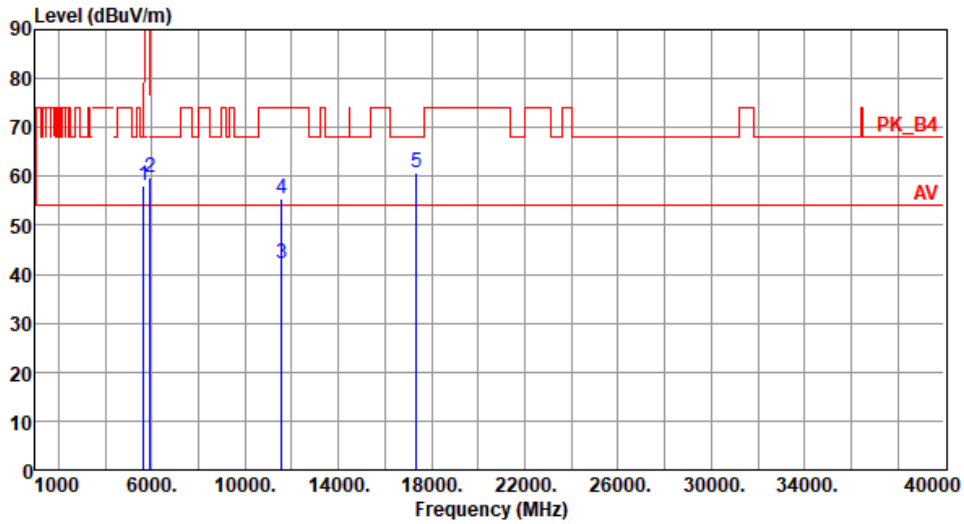


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.94	68.20	-10.26	53.42	4.52	Peak	122	138
2	5700.00	58.36	105.20	-46.84	53.59	4.77	Peak	122	138
3	5720.00	59.47	110.80	-51.33	54.56	4.91	Peak	122	138
4	5725.00	60.11	122.20	-62.09	55.16	4.95	Peak	122	138
5	5925.00	58.92	68.20	-9.28	53.44	5.48	Peak	122	138
6	11490.00	42.44	54.00	-11.56	28.35	14.09	Average	100	50
7	11490.00	55.88	74.00	-18.12	41.79	14.09	Peak	100	50
8	17235.00	60.09	68.20	-8.11	42.34	17.75	Peak	100	60

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

Modulation	HT20	Test Freq. (MHz)	5785
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

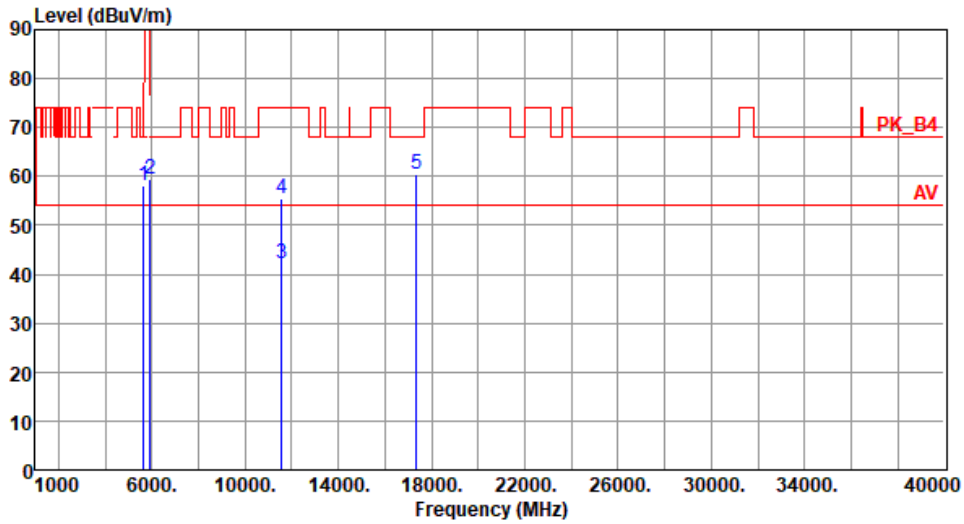


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.20	68.20	-10.00	53.68	4.52	Peak	142	165
2	5925.00	59.63	68.20	-8.57	54.15	5.48	Peak	142	165
3	11570.00	42.30	54.00	-11.70	28.34	13.96	Average	100	60
4	11570.00	55.62	74.00	-18.38	41.66	13.96	Peak	100	60
5	17355.00	60.72	68.20	-7.48	42.49	18.23	Peak	100	70

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

Modulation	HT20	Test Freq. (MHz)	5785
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

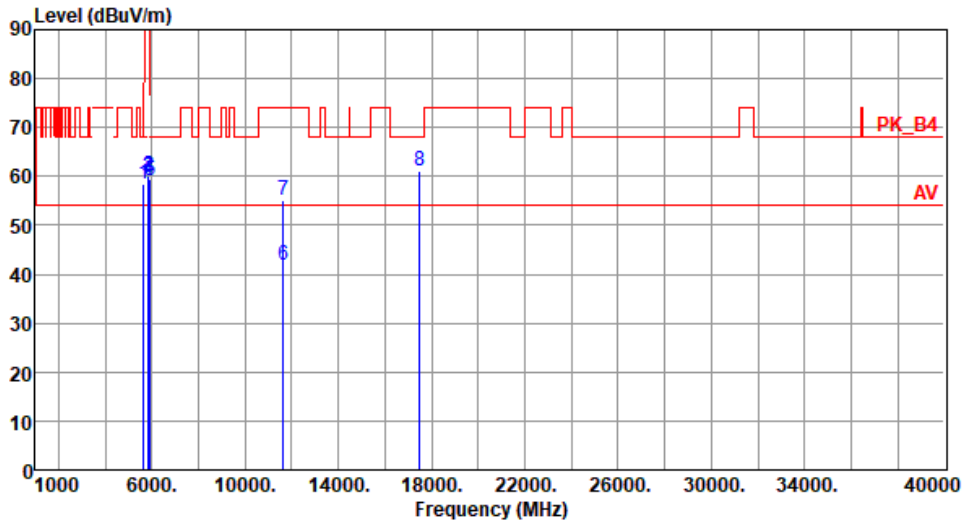


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.10	68.20	-10.10	53.58	4.52	Peak	123	135
2	5925.00	59.42	68.20	-8.78	53.94	5.48	Peak	123	135
3	11570.00	42.12	54.00	-11.88	28.16	13.96	Average	100	50
4	11570.00	55.50	74.00	-18.50	41.54	13.96	Peak	100	50
5	17355.00	60.57	68.20	-7.63	42.34	18.23	Peak	100	80

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

Modulation	HT20	Test Freq. (MHz)	5825
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

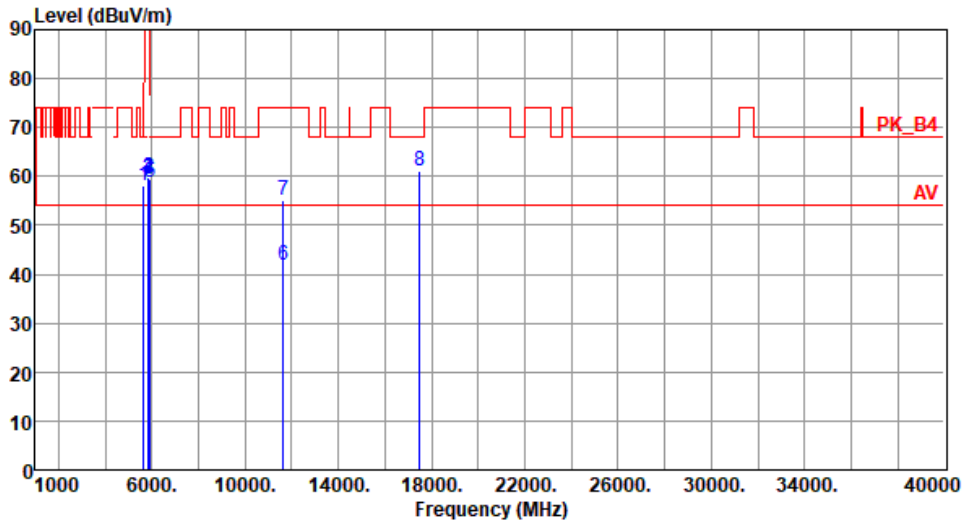


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.37	68.20	-9.83	53.85	4.52	Peak	145	172
2	5850.00	60.05	122.20	-62.15	54.56	5.49	Peak	145	172
3	5855.00	59.61	110.80	-51.19	54.12	5.49	Peak	145	172
4	5875.00	59.45	105.20	-45.75	53.95	5.50	Peak	145	172
5	5925.00	59.03	68.20	-9.17	53.55	5.48	Peak	145	172
6	11650.00	41.89	54.00	-12.11	28.26	13.63	Average	100	40
7	11650.00	55.21	74.00	-18.79	41.58	13.63	Peak	100	40
8	17475.00	61.27	68.20	-6.93	42.37	18.90	Peak	100	60

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

Modulation	HT20	Test Freq. (MHz)	5825
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65



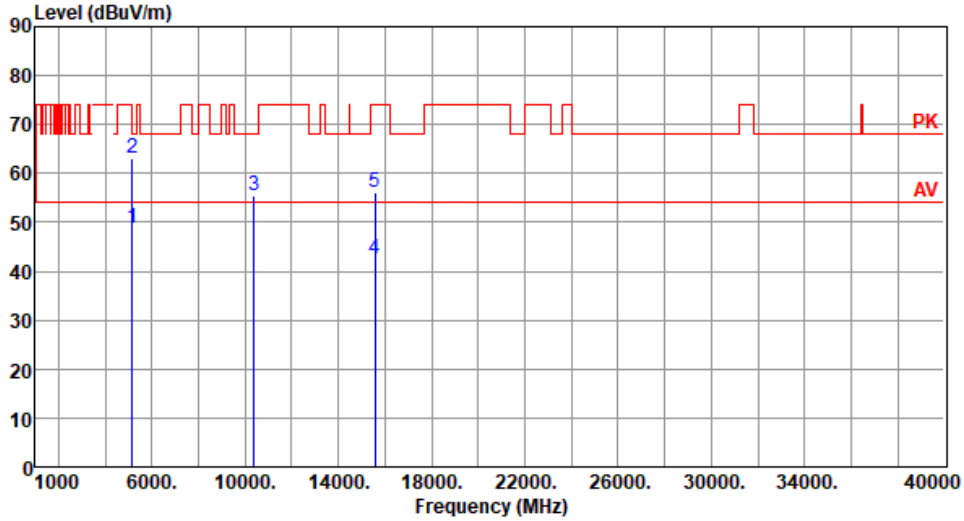
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.14	68.20	-10.06	53.62	4.52	Peak	121	135
2	5850.00	59.71	122.20	-62.49	54.22	5.49	Peak	121	135
3	5855.00	59.51	110.80	-51.29	54.02	5.49	Peak	121	135
4	5875.00	59.29	105.20	-45.91	53.79	5.50	Peak	121	135
5	5925.00	58.89	68.20	-9.31	53.41	5.48	Peak	121	135
6	11650.00	41.78	54.00	-12.22	28.15	13.63	Average	100	30
7	11650.00	55.06	74.00	-18.94	41.43	13.63	Peak	100	30
8	17475.00	61.11	68.20	-7.09	42.21	18.90	Peak	100	90

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

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

Modulation	HT40	Test Freq. (MHz)	5190
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

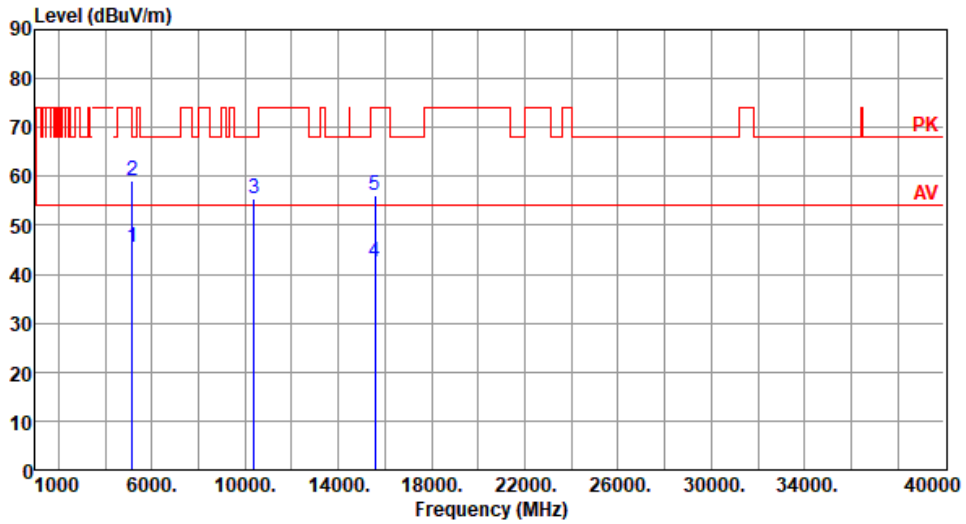


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.90	54.00	-5.10	44.39	4.51	Average	182	212
2	5150.00	63.08	74.00	-10.92	58.57	4.51	Peak	182	212
3	10380.00	55.60	68.20	-12.60	41.59	14.01	Peak	100	20
4	15570.00	42.62	54.00	-11.38	28.67	13.95	Average	100	60
5	15570.00	56.08	74.00	-17.92	42.13	13.95	Peak	100	60

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

Modulation	HT40	Test Freq. (MHz)	5190
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

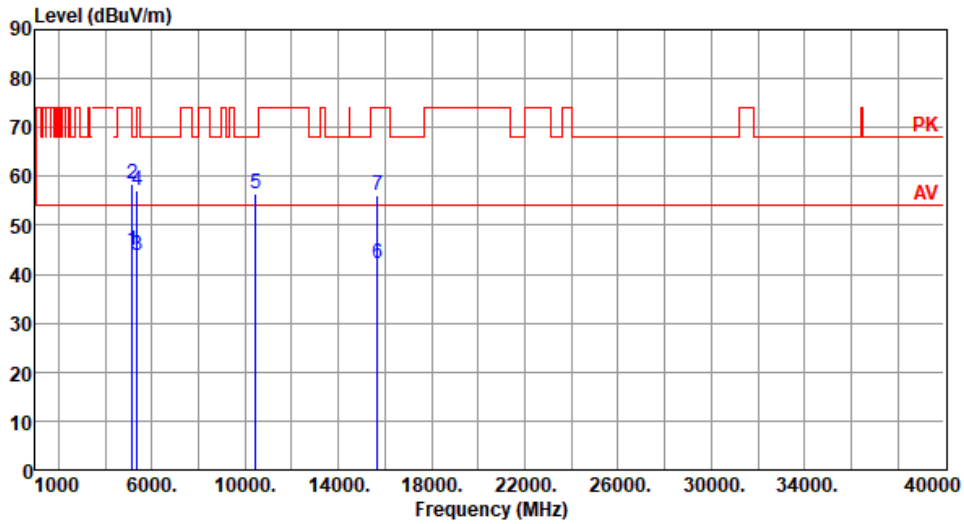


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.56	54.00	-8.44	41.05	4.51	Average	100	166
2	5150.00	59.10	74.00	-14.90	54.59	4.51	Peak	100	166
3	10380.00	55.47	68.20	-12.73	41.46	14.01	Peak	100	30
4	15570.00	42.44	54.00	-11.56	28.49	13.95	Average	100	40
5	15570.00	56.01	74.00	-17.99	42.06	13.95	Peak	100	40

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

Modulation	HT40	Test Freq. (MHz)	5230
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

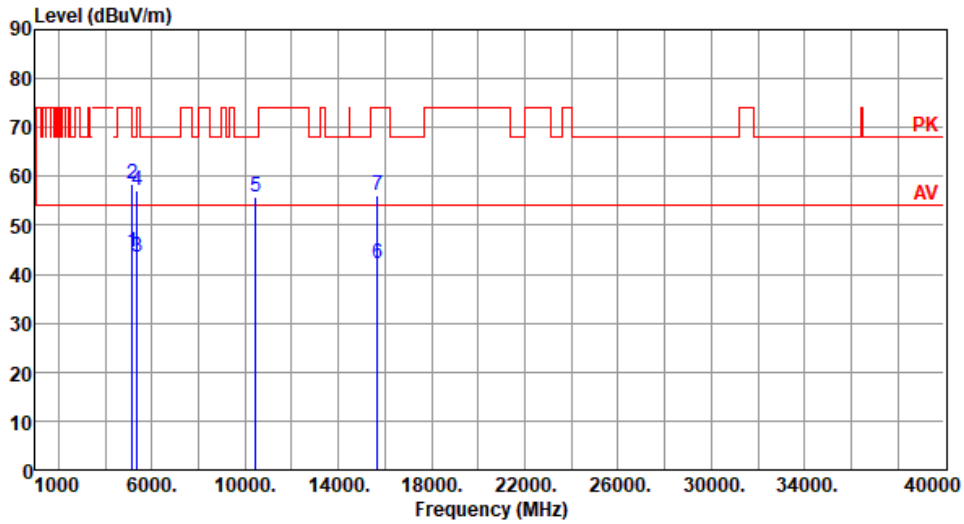


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.81	54.00	-9.19	40.30	4.51	Average	156	213
2	5150.00	58.56	74.00	-15.44	54.05	4.51	Peak	156	213
3	5350.00	43.70	54.00	-10.30	39.72	3.98	Average	156	213
4	5350.00	57.24	74.00	-16.76	53.26	3.98	Peak	156	213
5	10460.00	56.32	68.20	-11.88	42.17	14.15	Peak	100	50
6	15690.00	42.25	54.00	-11.75	28.42	13.83	Average	100	90
7	15690.00	56.18	74.00	-17.82	42.35	13.83	Peak	100	90

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

Modulation	HT40	Test Freq. (MHz)	5230
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

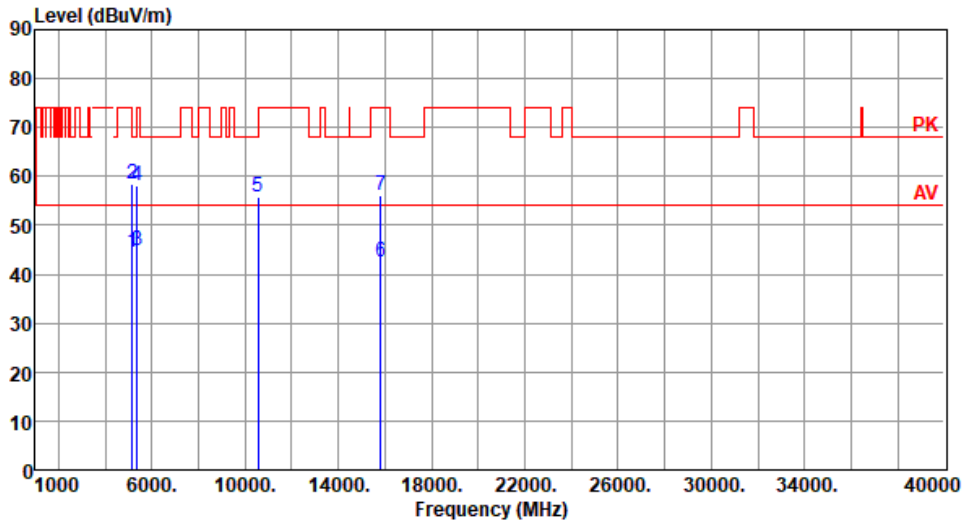


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.40	54.00	-9.60	39.89	4.51	Average	100	168
2	5150.00	58.40	74.00	-15.60	53.89	4.51	Peak	100	168
3	5350.00	43.54	54.00	-10.46	39.56	3.98	Average	100	168
4	5350.00	57.09	74.00	-16.91	53.11	3.98	Peak	100	168
5	10460.00	55.82	68.20	-12.38	41.67	14.15	Peak	100	20
6	15690.00	42.03	54.00	-11.97	28.20	13.83	Average	100	70
7	15690.00	55.96	74.00	-18.04	42.13	13.83	Peak	100	70

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

Modulation	HT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

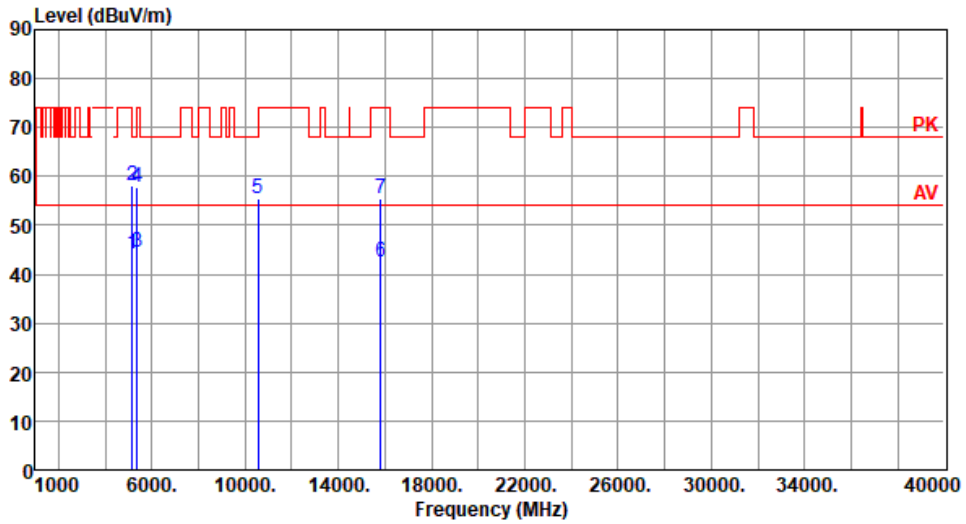


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.66	54.00	-9.34	40.15	4.51	Average	115	179
2	5150.00	58.40	74.00	-15.60	53.89	4.51	Peak	115	179
3	5350.00	44.83	54.00	-9.17	40.85	3.98	Average	115	179
4	5350.00	58.14	74.00	-15.86	54.16	3.98	Peak	115	179
5	10540.00	55.72	68.20	-12.48	41.56	14.16	Peak	100	60
6	15810.00	42.53	54.00	-11.47	28.64	13.89	Average	100	30
7	15810.00	56.00	74.00	-18.00	42.11	13.89	Peak	100	30

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

Modulation	HT40	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

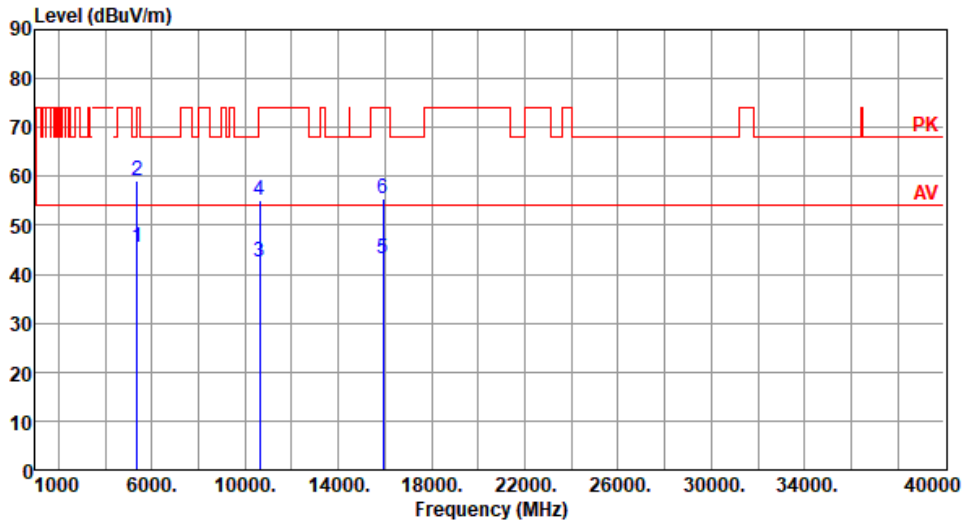


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.29	54.00	-9.71	39.78	4.51	Average	100	154
2	5150.00	58.10	74.00	-15.90	53.59	4.51	Peak	100	154
3	5350.00	44.53	54.00	-9.47	40.55	3.98	Average	100	154
4	5350.00	57.93	74.00	-16.07	53.95	3.98	Peak	100	154
5	10540.00	55.31	68.20	-12.89	41.15	14.16	Peak	100	50
6	15810.00	42.35	54.00	-11.65	28.46	13.89	Average	100	80
7	15810.00	55.44	74.00	-18.56	41.55	13.89	Peak	100	80

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

Modulation	HT40	Test Freq. (MHz)	5310
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

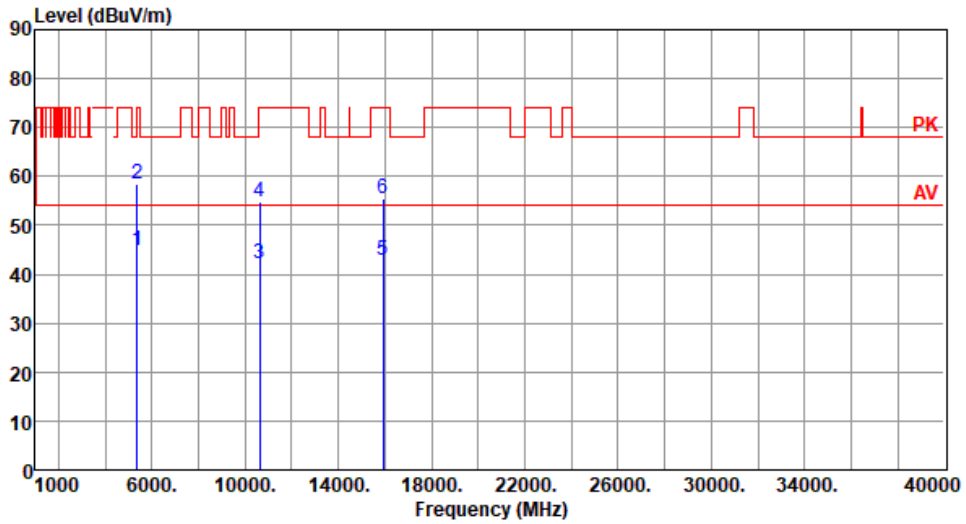


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	45.61	54.00	-8.39	41.63	3.98	Average	112	175
2	5350.00	59.23	74.00	-14.77	55.25	3.98	Peak	112	175
3	10620.00	42.47	54.00	-11.53	28.41	14.06	Average	100	70
4	10620.00	55.26	74.00	-18.74	41.20	14.06	Peak	100	70
5	15930.00	43.04	54.00	-10.96	29.06	13.98	Average	100	40
6	15930.00	55.57	74.00	-18.43	41.59	13.98	Peak	100	40

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

Modulation	HT40	Test Freq. (MHz)	5310
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

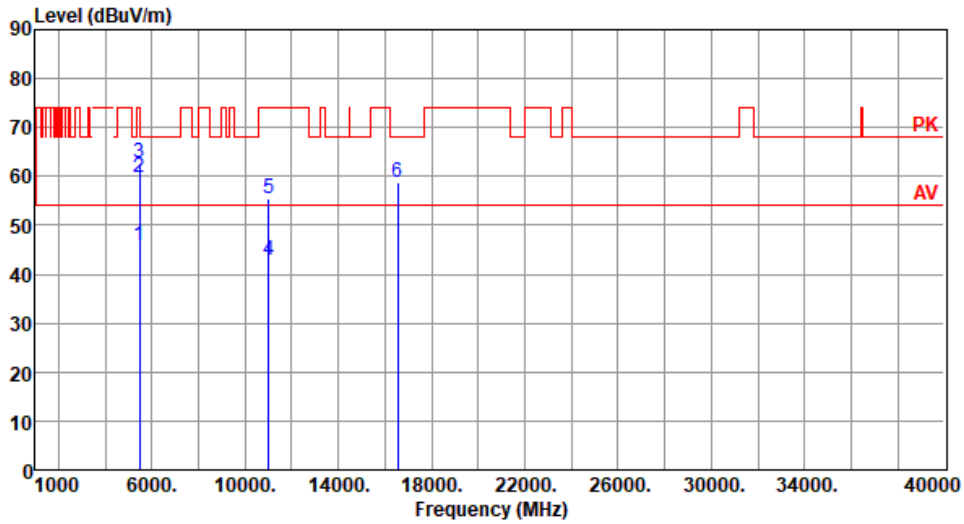


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.83	54.00	-9.17	40.85	3.98	Average	100	155
2	5350.00	58.29	74.00	-15.71	54.31	3.98	Peak	100	155
3	10620.00	42.32	54.00	-11.68	28.26	14.06	Average	100	40
4	10620.00	54.71	74.00	-19.29	40.65	14.06	Peak	100	40
5	15930.00	42.84	54.00	-11.16	28.86	13.98	Average	100	20
6	15930.00	55.42	74.00	-18.58	41.44	13.98	Peak	100	20

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

Modulation	HT40	Test Freq. (MHz)	5510
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

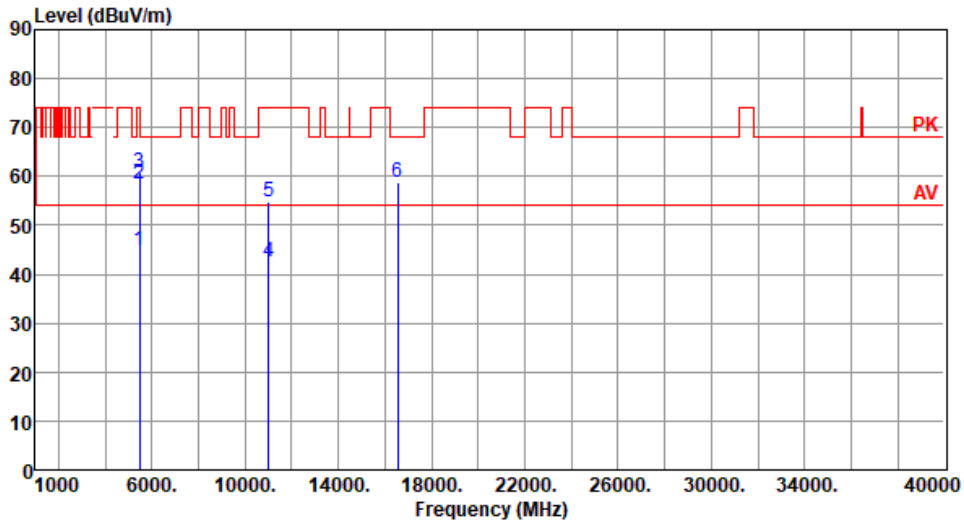


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.69	54.00	-8.31	41.40	4.29	Average	110	171
2	5460.00	59.70	74.00	-14.30	55.41	4.29	Peak	110	171
3	5470.00	62.67	68.20	-5.53	58.35	4.32	Peak	110	171
4	11020.00	42.80	54.00	-11.20	28.57	14.23	Average	100	60
5	11020.00	55.35	74.00	-18.65	41.12	14.23	Peak	100	60
6	16530.00	58.95	68.20	-9.25	42.32	16.63	Peak	100	80

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

Modulation	HT40	Test Freq. (MHz)	5510
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

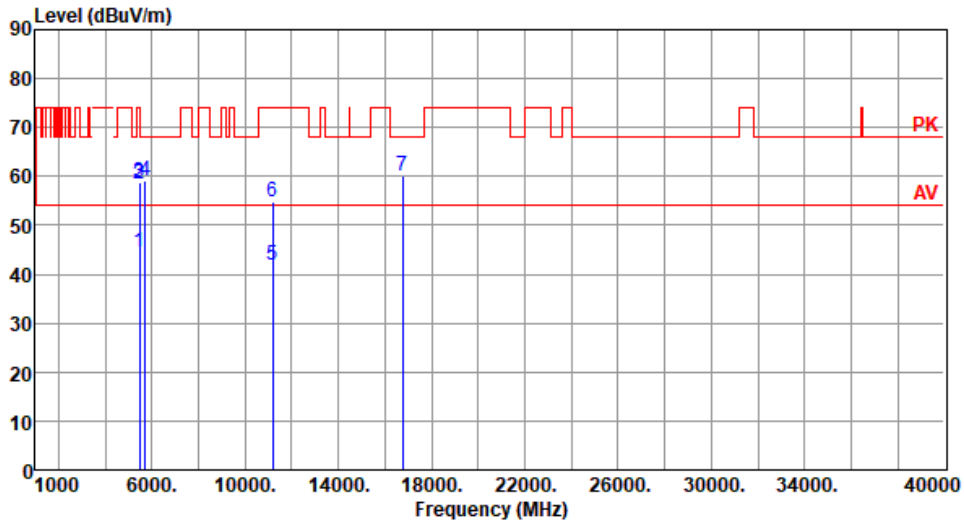


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.89	54.00	-9.11	40.60	4.29	Average	135	136
2	5460.00	58.33	74.00	-15.67	54.04	4.29	Peak	135	136
3	5470.00	60.91	68.20	-7.29	56.59	4.32	Peak	135	136
4	11020.00	42.67	54.00	-11.33	28.44	14.23	Average	100	20
5	11020.00	54.91	74.00	-19.09	40.68	14.23	Peak	100	20
6	16530.00	58.82	68.20	-9.38	42.19	16.63	Peak	100	70

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

Modulation	HT40	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

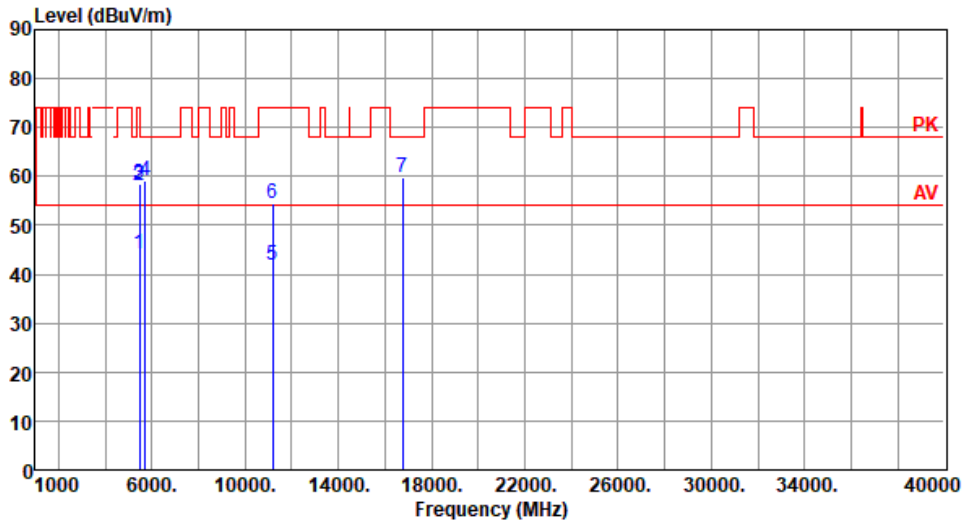


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.45	54.00	-9.55	40.16	4.29	Average	105	172
2	5460.00	58.49	74.00	-15.51	54.20	4.29	Peak	105	172
3	5470.00	58.67	68.20	-9.53	54.35	4.32	Peak	105	172
4	5725.00	59.15	68.20	-9.05	54.20	4.95	Peak	105	172
5	11180.00	41.91	54.00	-12.09	28.34	13.57	Average	100	90
6	11180.00	54.69	74.00	-19.31	41.12	13.57	Peak	100	90
7	16770.00	59.99	68.20	-8.21	42.34	17.65	Peak	100	70

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

Modulation	HT40	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

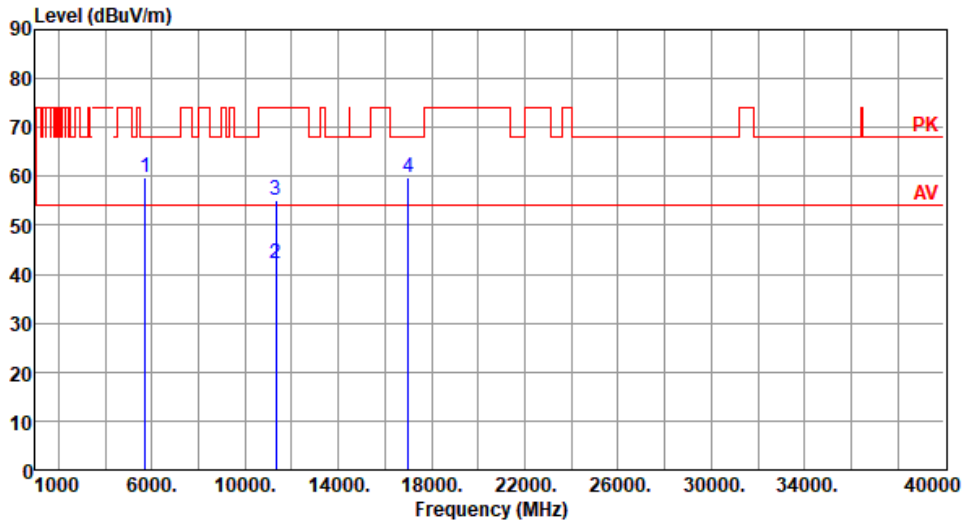


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.18	54.00	-9.82	39.89	4.29	Average	130	132
2	5460.00	58.09	74.00	-15.91	53.80	4.29	Peak	130	132
3	5470.00	58.37	68.20	-9.83	54.05	4.32	Peak	130	132
4	5725.00	59.01	68.20	-9.19	54.06	4.95	Peak	130	132
5	11180.00	41.71	54.00	-12.29	28.14	13.57	Average	100	30
6	11180.00	54.54	74.00	-19.46	40.97	13.57	Peak	100	30
7	16770.00	59.89	68.20	-8.31	42.24	17.65	Peak	100	20

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

Modulation	HT40	Test Freq. (MHz)	5670
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

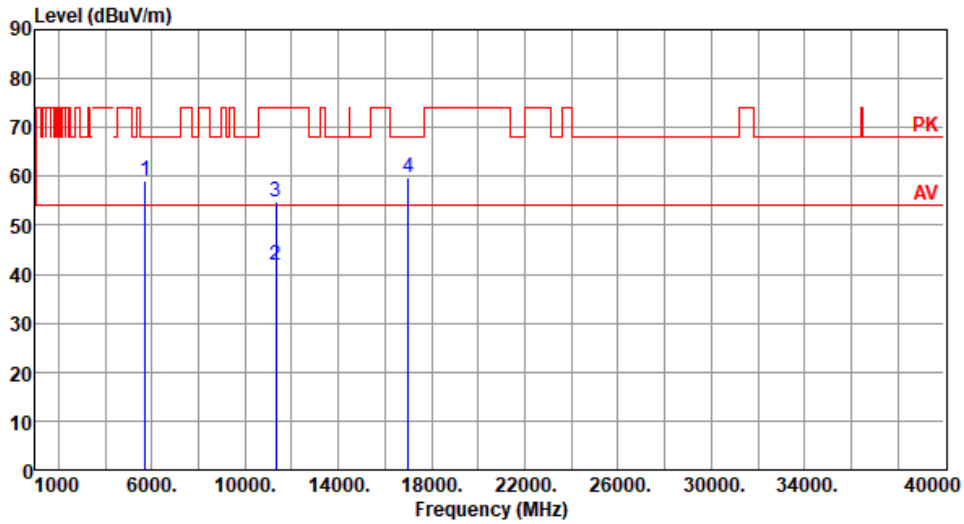


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	59.77	68.20	-8.43	54.82	4.95	Peak	103	167
2	11340.00	42.13	54.00	-11.87	28.46	13.67	Average	100	50
3	11340.00	54.98	74.00	-19.02	41.31	13.67	Peak	100	50
4	17010.00	59.92	68.20	-8.28	42.45	17.47	Peak	100	80

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

Modulation	HT40	Test Freq. (MHz)	5670
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

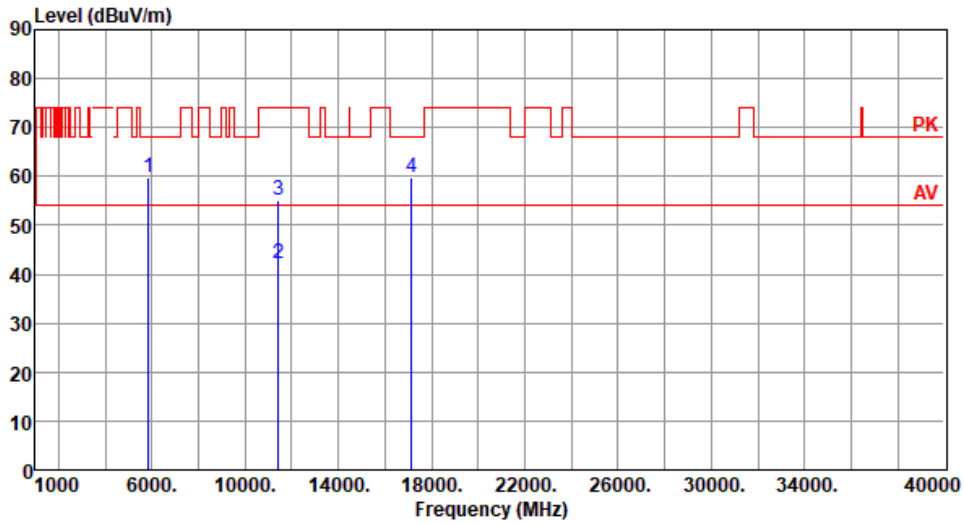


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	59.01	68.20	-9.19	54.06	4.95	Peak	132	137
2	11340.00	41.92	54.00	-12.08	28.25	13.67	Average	100	20
3	11340.00	54.83	74.00	-19.17	41.16	13.67	Peak	100	20
4	17010.00	59.75	68.20	-8.45	42.28	17.47	Peak	100	50

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

Modulation	HT40	Test Freq. (MHz)	5710
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

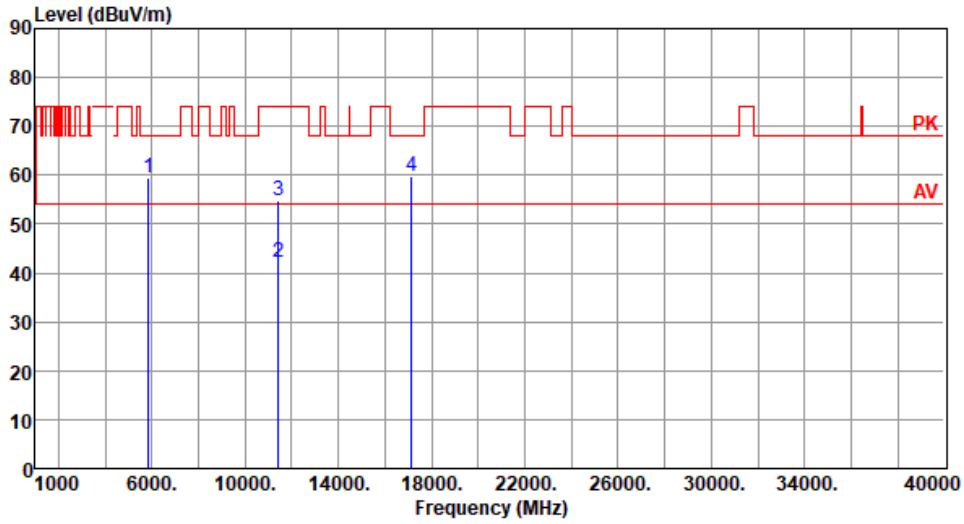


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.64	68.20	-8.56	54.15	5.49	Peak	110	174
2	11420.00	42.22	54.00	-11.78	28.32	13.90	Average	100	60
3	11420.00	55.22	74.00	-18.78	41.32	13.90	Peak	100	60
4	17130.00	59.90	68.20	-8.30	42.22	17.68	Peak	100	80

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

Modulation	HT40	Test Freq. (MHz)	5710
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

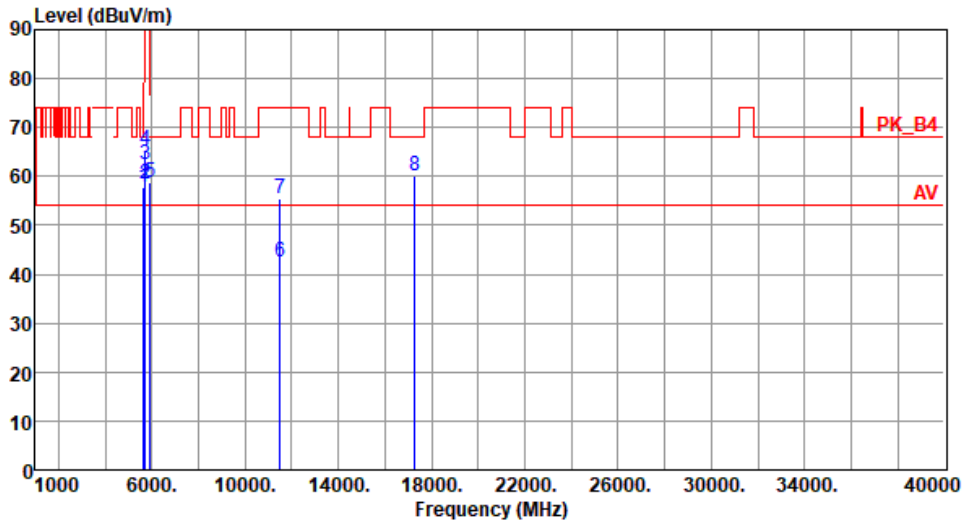


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.36	68.20	-8.84	53.87	5.49	Peak	131	135
2	11420.00	42.11	54.00	-11.89	28.21	13.90	Average	100	55
3	11420.00	54.96	74.00	-19.04	41.06	13.90	Peak	100	55
4	17130.00	59.77	68.20	-8.43	42.09	17.68	Peak	100	70

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

Modulation	HT40	Test Freq. (MHz)	5755
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

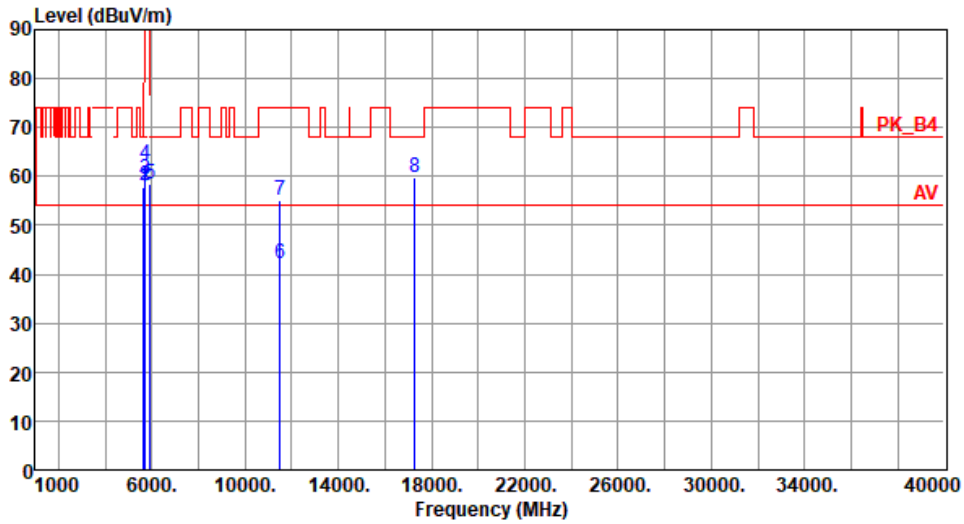


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.78	68.20	-10.42	53.26	4.52	Peak	150	168
2	5700.00	58.37	105.20	-46.83	53.60	4.77	Peak	150	168
3	5720.00	62.41	110.80	-48.39	57.50	4.91	Peak	150	168
4	5725.00	65.58	122.20	-56.62	60.63	4.95	Peak	150	168
5	5925.00	58.62	68.20	-9.58	53.14	5.48	Peak	150	168
6	11510.00	42.56	54.00	-11.44	28.46	14.10	Average	100	80
7	11510.00	55.45	74.00	-18.55	41.35	14.10	Peak	100	80
8	17265.00	60.18	68.20	-8.02	42.39	17.79	Peak	100	70

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

Modulation	HT40	Test Freq. (MHz)	5755
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

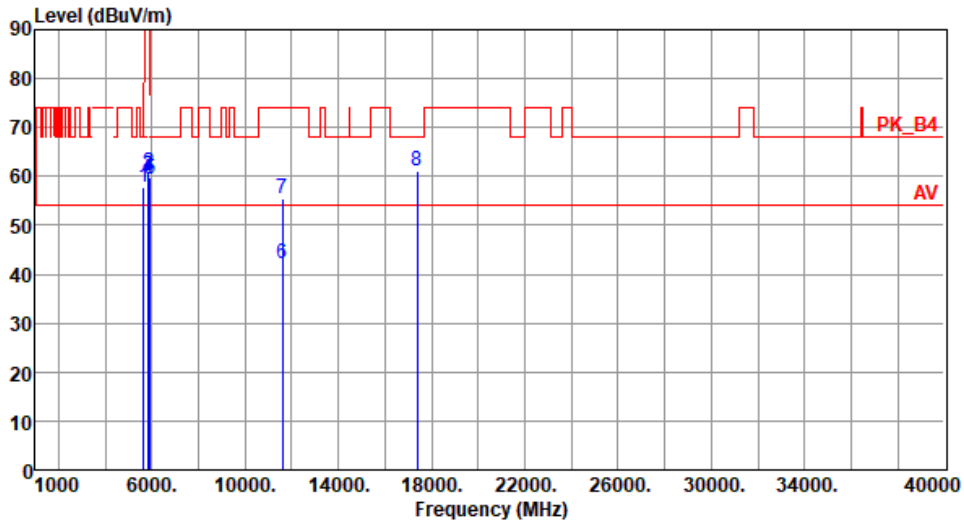


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.67	68.20	-10.53	53.15	4.52	Peak	128	136
2	5700.00	58.22	105.20	-46.98	53.45	4.77	Peak	128	136
3	5720.00	59.47	110.80	-51.33	54.56	4.91	Peak	128	136
4	5725.00	62.54	122.20	-59.66	57.59	4.95	Peak	128	136
5	5925.00	58.36	68.20	-9.84	52.88	5.48	Peak	128	136
6	11510.00	42.32	54.00	-11.68	28.22	14.10	Average	100	60
7	11510.00	55.26	74.00	-18.74	41.16	14.10	Peak	100	60
8	17265.00	59.94	68.20	-8.26	42.15	17.79	Peak	100	80

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

Modulation	HT40	Test Freq. (MHz)	5795
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65

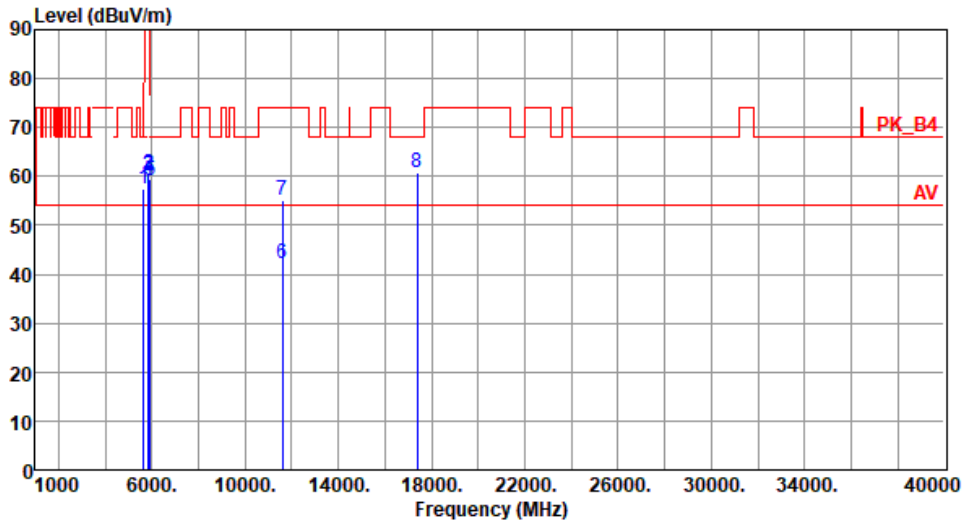


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.67	68.20	-10.53	53.15	4.52	Peak	132	166
2	5850.00	60.61	122.20	-61.59	55.12	5.49	Peak	132	166
3	5855.00	60.08	110.80	-50.72	54.59	5.49	Peak	132	166
4	5875.00	59.72	105.20	-45.48	54.22	5.50	Peak	132	166
5	5925.00	59.36	68.20	-8.84	53.88	5.48	Peak	132	166
6	11590.00	42.26	54.00	-11.74	28.35	13.91	Average	100	70
7	11590.00	55.37	74.00	-18.63	41.46	13.91	Peak	100	70
8	17385.00	61.10	68.20	-7.10	42.64	18.46	Peak	100	60

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

Modulation	HT40	Test Freq. (MHz)	5795
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):65



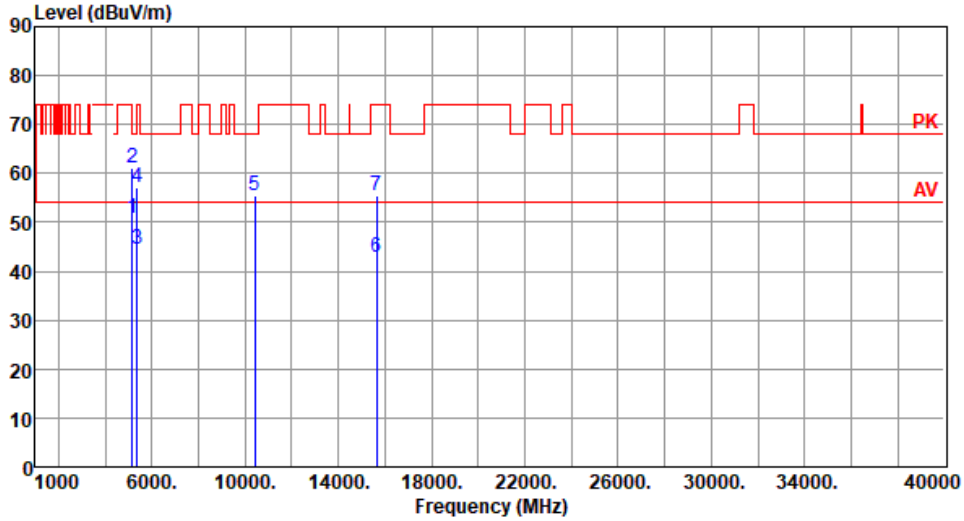
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.54	68.20	-10.66	53.02	4.52	Peak	124	142
2	5850.00	60.38	122.20	-61.82	54.89	5.49	Peak	124	142
3	5855.00	59.95	110.80	-50.85	54.46	5.49	Peak	124	142
4	5875.00	59.52	105.20	-45.68	54.02	5.50	Peak	124	142
5	5925.00	59.03	68.20	-9.17	53.55	5.48	Peak	124	142
6	11590.00	42.03	54.00	-11.97	28.12	13.91	Average	100	60
7	11590.00	55.17	74.00	-18.83	41.26	13.91	Peak	100	60
8	17385.00	60.91	68.20	-7.29	42.45	18.46	Peak	100	55

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

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

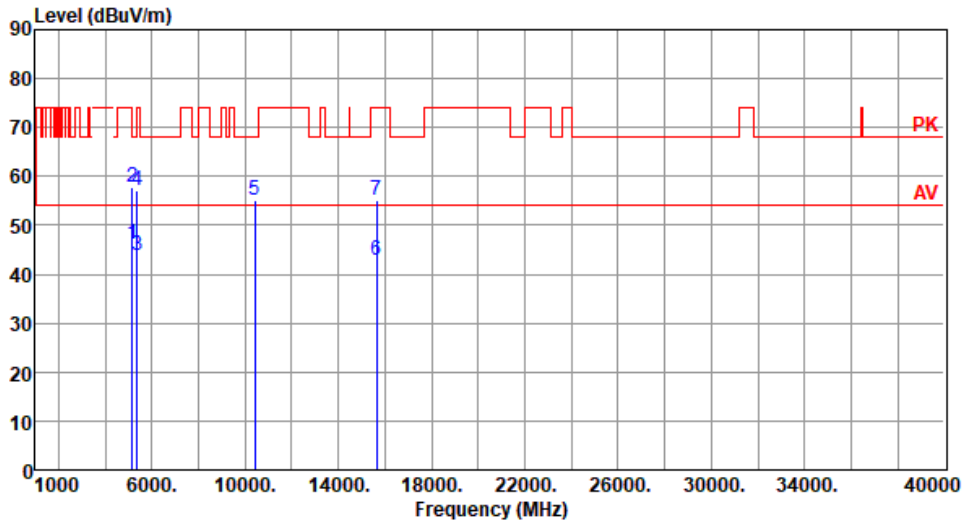


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	50.81	54.00	-3.19	46.30	4.51	Average	168	214
2	5150.00	61.07	74.00	-12.93	56.56	4.51	Peak	168	214
3	5350.00	44.53	54.00	-9.47	40.55	3.98	Average	168	214
4	5350.00	57.27	74.00	-16.73	53.29	3.98	Peak	168	214
5	10420.00	55.32	68.20	-12.88	41.23	14.09	Peak	100	80
6	15630.00	42.97	54.00	-11.03	29.17	13.80	Average	100	40
7	15630.00	55.45	74.00	-18.55	41.65	13.80	Peak	100	40

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

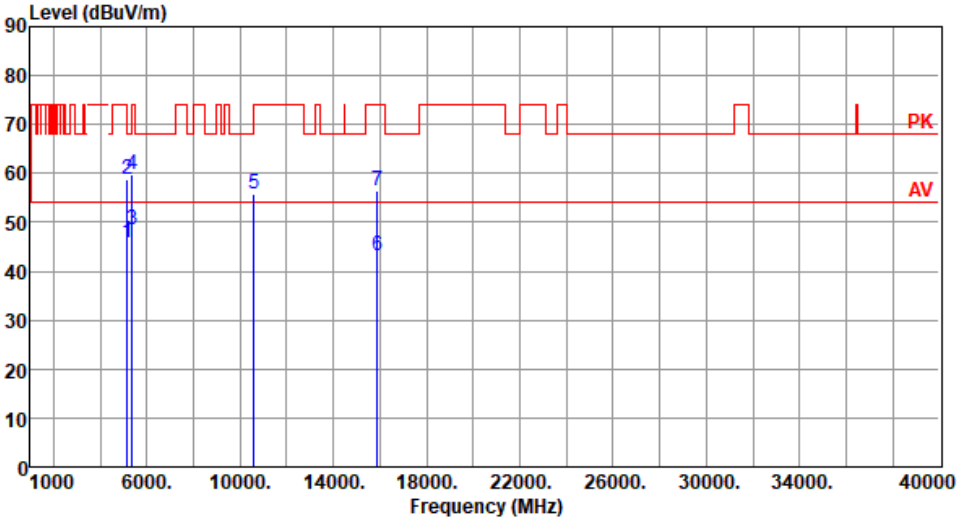


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.20	54.00	-7.80	41.69	4.51	Average	100	162
2	5150.00	57.79	74.00	-16.21	53.28	4.51	Peak	100	162
3	5350.00	43.80	54.00	-10.20	39.82	3.98	Average	100	162
4	5350.00	57.13	74.00	-16.87	53.15	3.98	Peak	100	162
5	10420.00	55.20	68.20	-13.00	41.11	14.09	Peak	100	50
6	15630.00	42.83	54.00	-11.17	29.03	13.80	Average	100	35
7	15630.00	55.26	74.00	-18.74	41.46	13.80	Peak	100	35

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

Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

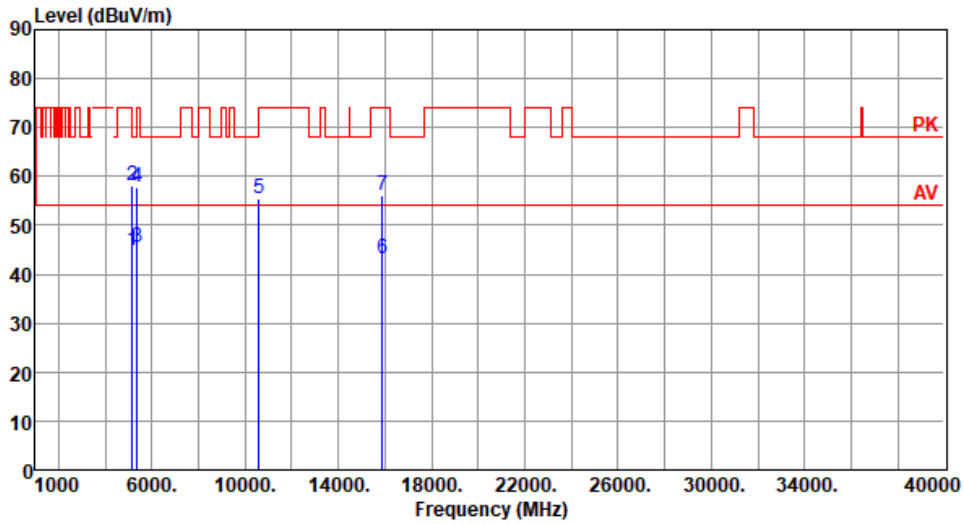


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.76	54.00	-8.24	41.25	4.51	Average	100	173
2	5150.00	58.87	74.00	-15.13	54.36	4.51	Peak	100	173
3	5350.00	48.63	54.00	-5.37	44.65	3.98	Average	100	173
4	5350.00	59.77	74.00	-14.23	55.79	3.98	Peak	100	173
5	10580.00	55.74	68.20	-12.46	41.64	14.10	Peak	100	60
6	15870.00	43.26	54.00	-10.74	29.34	13.92	Average	100	80
7	15870.00	56.38	74.00	-17.62	42.46	13.92	Peak	100	80

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

Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

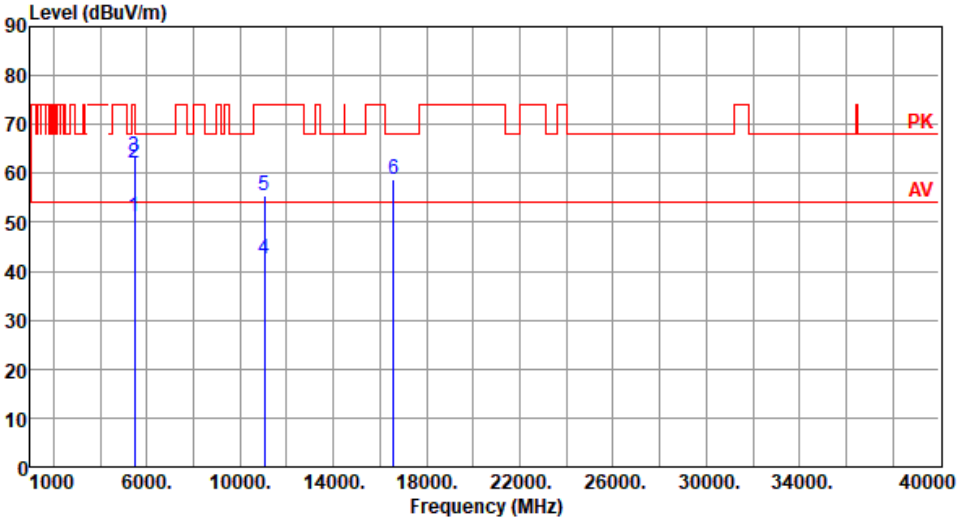


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.87	54.00	-9.13	40.36	4.51	Average	100	152
2	5150.00	57.97	74.00	-16.03	53.46	4.51	Peak	100	152
3	5350.00	45.58	54.00	-8.42	41.60	3.98	Average	100	152
4	5350.00	57.94	74.00	-16.06	53.96	3.98	Peak	100	152
5	10580.00	55.41	68.20	-12.79	41.31	14.10	Peak	100	80
6	15870.00	43.08	54.00	-10.92	29.16	13.92	Average	100	40
7	15870.00	56.21	74.00	-17.79	42.29	13.92	Peak	100	40

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

Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

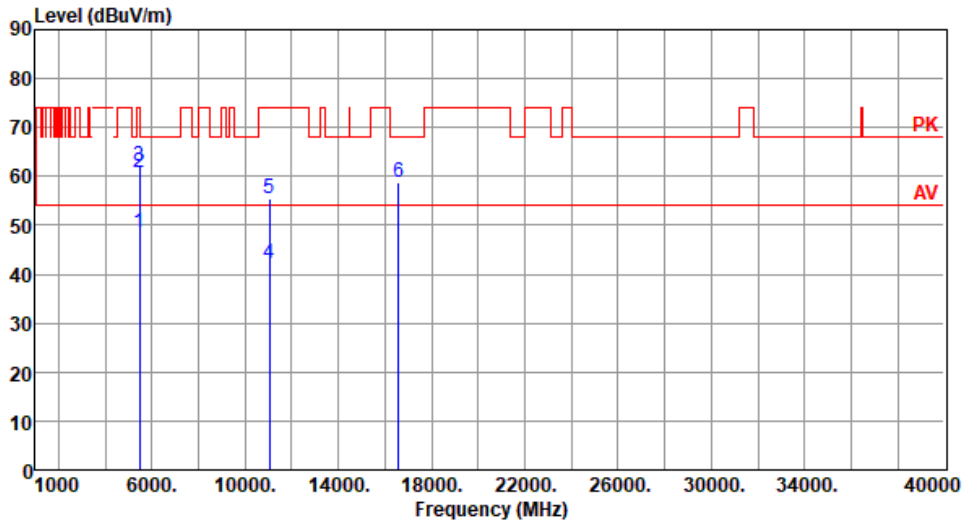


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	50.99	54.00	-3.01	46.70	4.29	Average	109	174
2	5460.00	61.99	74.00	-12.01	57.70	4.29	Peak	109	174
3	5470.00	63.46	68.20	-4.74	59.14	4.32	Peak	109	174
4	11060.00	42.53	54.00	-11.47	28.46	14.07	Average	100	60
5	11060.00	55.61	74.00	-18.39	41.54	14.07	Peak	100	60
6	16590.00	58.90	68.20	-9.30	42.49	16.41	Peak	100	20

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

Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

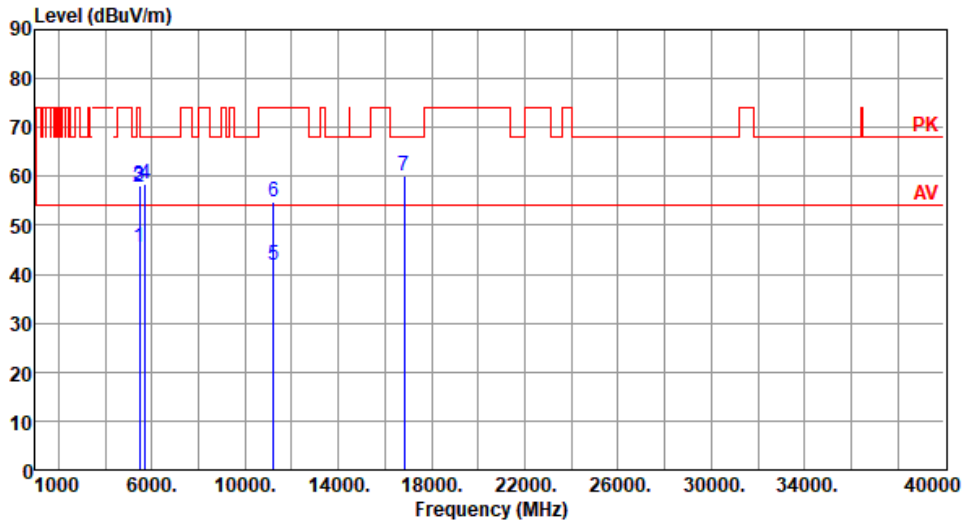


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	48.45	54.00	-5.55	44.16	4.29	Average	134	134
2	5460.00	60.67	74.00	-13.33	56.38	4.29	Peak	134	134
3	5470.00	62.16	68.20	-6.04	57.84	4.32	Peak	134	134
4	11060.00	42.30	54.00	-11.70	28.23	14.07	Average	100	55
5	11060.00	55.41	74.00	-18.59	41.34	14.07	Peak	100	55
6	16590.00	58.76	68.20	-9.44	42.35	16.41	Peak	100	30

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

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

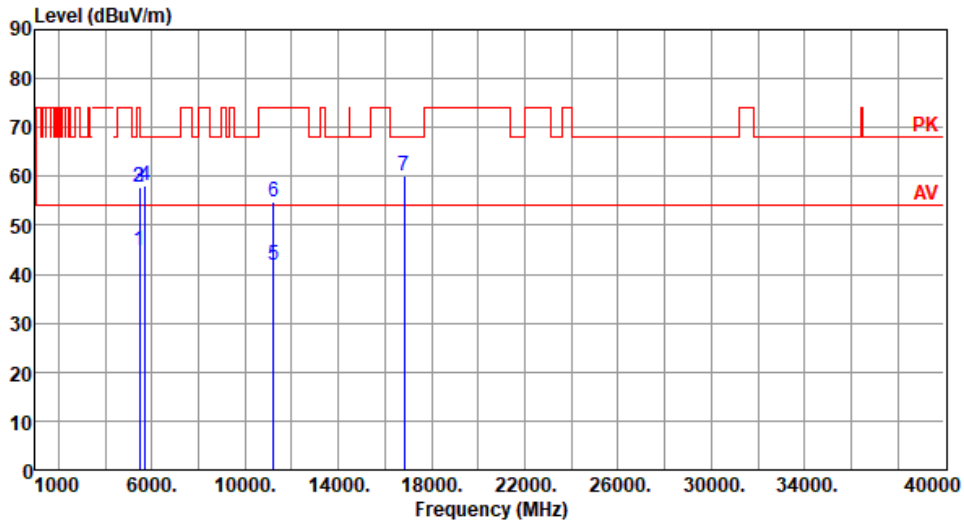


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.50	54.00	-8.50	41.21	4.29	Average	154	167
2	5460.00	57.79	74.00	-16.21	53.50	4.29	Peak	154	167
3	5470.00	58.00	68.20	-10.20	53.68	4.32	Peak	154	167
4	5725.00	58.33	68.20	-9.87	53.38	4.95	Peak	154	167
5	11220.00	41.95	54.00	-12.05	28.45	13.50	Average	100	30
6	11220.00	54.85	74.00	-19.15	41.35	13.50	Peak	100	30
7	16830.00	60.21	68.20	-7.99	42.46	17.75	Peak	100	90

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

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

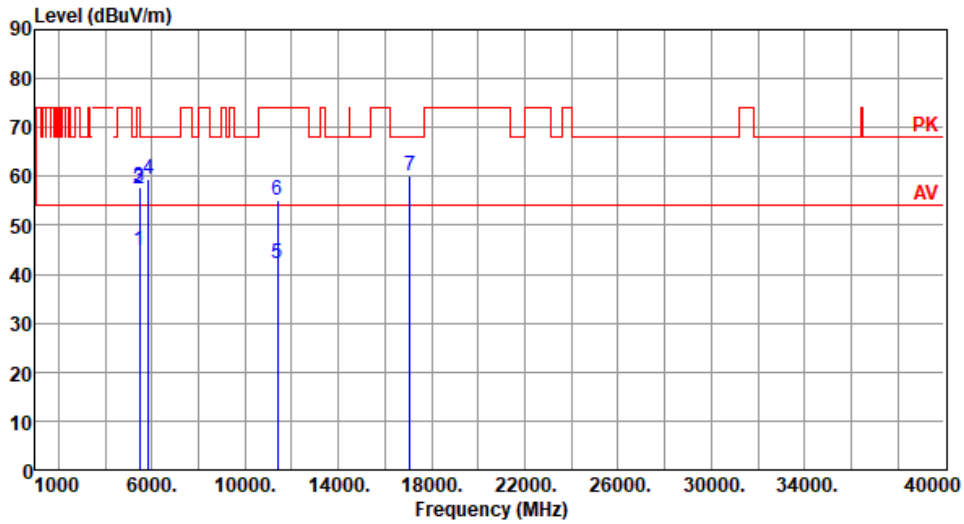


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.86	54.00	-9.14	40.57	4.29	Average	136	138
2	5460.00	57.72	74.00	-16.28	53.43	4.29	Peak	136	138
3	5470.00	57.81	68.20	-10.39	53.49	4.32	Peak	136	138
4	5725.00	58.24	68.20	-9.96	53.29	4.95	Peak	136	138
5	11220.00	41.76	54.00	-12.24	28.26	13.50	Average	100	60
6	11220.00	54.65	74.00	-19.35	41.15	13.50	Peak	100	60
7	16830.00	60.07	68.20	-8.13	42.32	17.75	Peak	100	80

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

Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

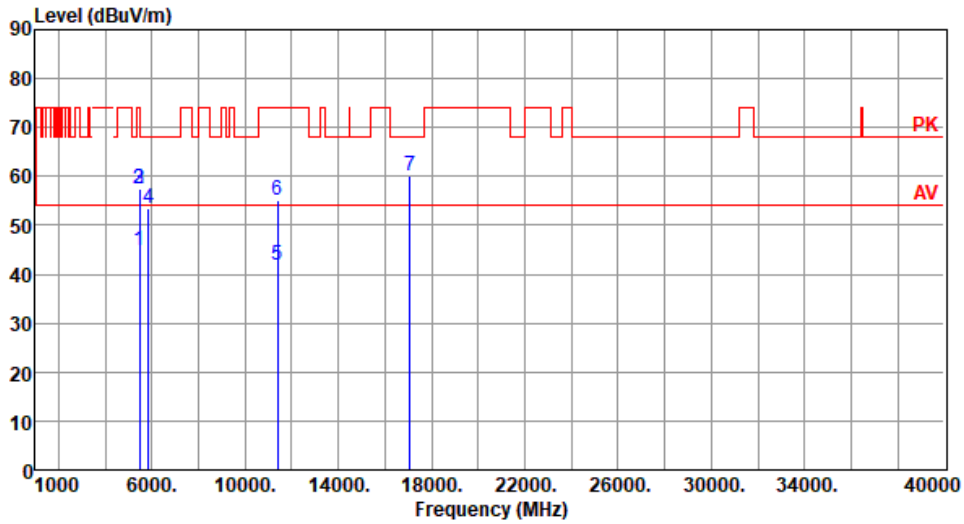


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.83	54.00	-9.17	40.54	4.29	Average	115	169
2	5460.00	57.46	74.00	-16.54	53.17	4.29	Peak	115	169
3	5470.00	57.75	68.20	-10.45	53.43	4.32	Peak	115	169
4	5850.00	59.31	68.20	-8.89	53.82	5.49	Peak	115	169
5	11380.00	42.24	54.00	-11.76	28.46	13.78	Average	100	90
6	11380.00	55.27	74.00	-18.73	41.49	13.78	Peak	100	90
7	17070.00	60.18	68.20	-8.02	42.57	17.61	Peak	100	20

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

Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

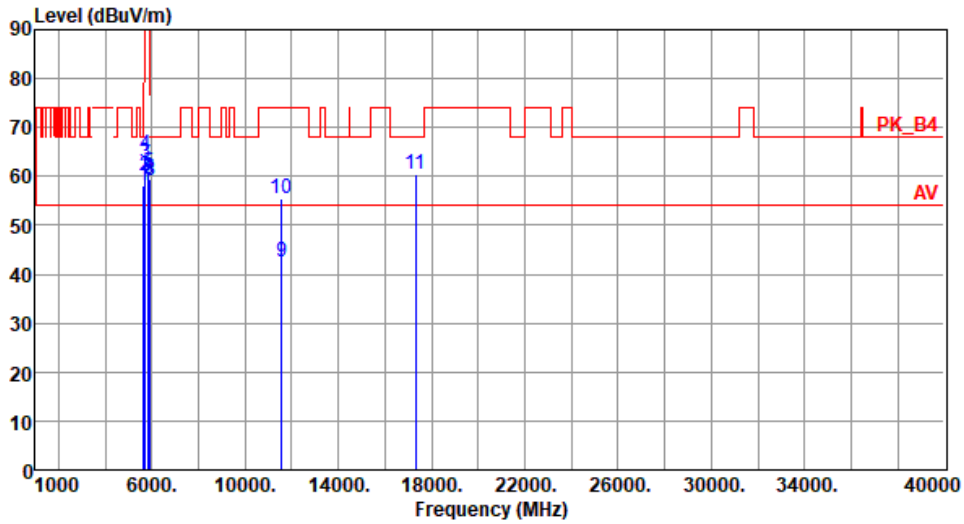


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.72	54.00	-9.28	40.43	4.29	Average	132	136
2	5460.00	57.36	74.00	-16.64	53.07	4.29	Peak	132	136
3	5470.00	57.54	68.20	-10.66	53.22	4.32	Peak	132	136
4	5850.00	53.46	68.20	-14.74	53.46	0.00	Peak	132	136
5	11380.00	42.00	54.00	-12.00	28.22	13.78	Average	100	30
6	11380.00	55.09	74.00	-18.91	41.31	13.78	Peak	100	30
7	17070.00	60.03	68.20	-8.17	42.42	17.61	Peak	100	80

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68

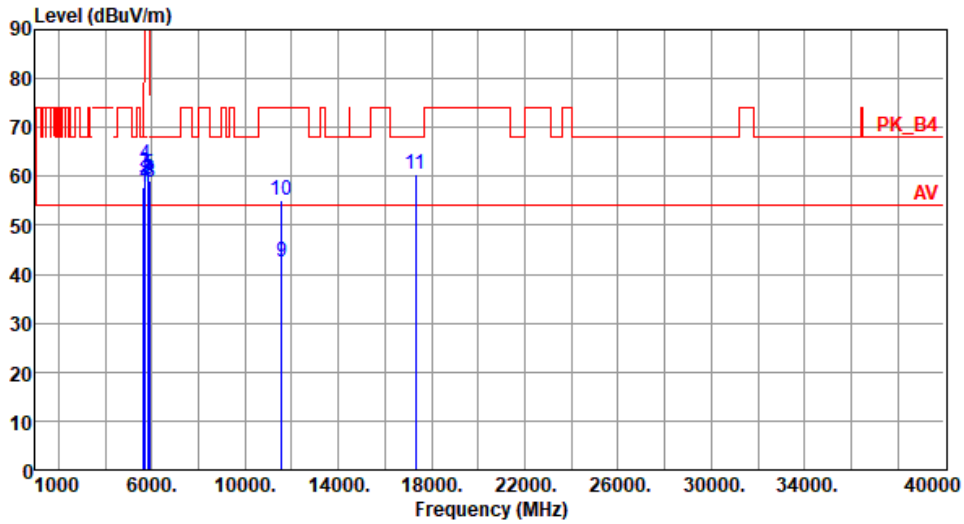


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.11	68.20	-10.09	53.59	4.52	Peak	130	167
2	5700.00	60.16	105.20	-45.04	55.39	4.77	Peak	130	167
3	5720.00	62.90	110.80	-47.90	57.99	4.91	Peak	130	167
4	5725.00	64.29	122.20	-57.91	59.34	4.95	Peak	130	167
5	5850.00	60.72	122.20	-61.48	55.23	5.49	Peak	130	167
6	5855.00	59.56	110.80	-51.24	54.07	5.49	Peak	130	167
7	5875.00	59.32	105.20	-45.88	53.82	5.50	Peak	130	167
8	5925.00	59.15	68.20	-9.05	53.67	5.48	Peak	130	167
9	11550.00	42.56	54.00	-11.44	28.56	14.00	Average	100	40
10	11550.00	55.36	74.00	-18.64	41.36	14.00	Peak	100	40
11	17325.00	60.50	68.20	-7.70	42.48	18.02	Peak	100	30

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

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):68



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.77	68.20	-10.43	53.25	4.52	Peak	126	140
2	5700.00	59.13	105.20	-46.07	54.36	4.77	Peak	126	140
3	5720.00	60.78	110.80	-50.02	55.87	4.91	Peak	126	140
4	5725.00	62.51	122.20	-59.69	57.56	4.95	Peak	126	140
5	5850.00	60.30	122.20	-61.90	54.81	5.49	Peak	126	140
6	5855.00	59.36	110.80	-51.44	53.87	5.49	Peak	126	140
7	5875.00	59.25	105.20	-45.95	53.75	5.50	Peak	126	140
8	5925.00	58.72	68.20	-9.48	53.24	5.48	Peak	126	140
9	11550.00	42.43	54.00	-11.57	28.43	14.00	Average	100	80
10	11550.00	55.21	74.00	-18.79	41.21	14.00	Peak	100	80
11	17325.00	60.28	68.20	-7.92	42.26	18.02	Peak	100	90

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

3.6 Frequency Stability

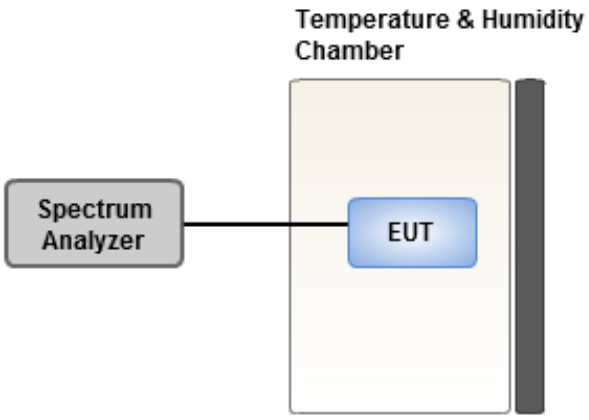
3.6.1 Limit of Frequency Stability

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 20 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 normal and extreme condition for temperature and voltage.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Ambient Condition	21~22°C / 65~67%	Tested By	Roger Lu

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (ºC)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.45	0.57	0.64	0.69
T20°CVmin	0.25	0.25	0.41	0.94
T50CVnom	-0.25	0.08	0.03	0.29
T40°CVnom	-0.12	-0.10	0.24	0.05
T30°CVnom	-0.30	-0.62	-0.27	-0.15
T20°CVnom	-0.04	0.39	0.08	0.57
T10°CVnom	0.14	0.16	0.33	0.42
T0°CVnom	0.61	0.67	1.02	0.26
T-10°CVnom	0.30	0.13	0.83	0.90
T-20°CVnom	0.49	0.58	0.82	0.50
T-30°CVnom	0.55	1.10	1.15	0.66
Vnom [V]: 3.8		Vmax [V]: 4.35		Vmin [V]: 3.65
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (ºC)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.96	0.31	0.40	0.43
T20°CVmin	0.29	-0.14	0.13	0.51
T50CVnom	0.05	-0.09	-0.13	-0.32
T40°CVnom	0.61	0.45	0.54	0.36
T30°CVnom	0.27	0.01	0.94	0.21
T20°CVnom	0.63	-0.06	0.18	0.45
T10°CVnom	0.42	0.52	0.26	0.62
T0°CVnom	0.07	0.11	0.22	-0.08
T-10°CVnom	0.56	0.92	0.47	0.85
T-20°CVnom	0.60	0.06	0.33	0.06
T-30°CVnom	0.86	0.48	0.91	1.00
Vnom [V]: 3.8		Vmax [V]: 4.35		Vmin [V]: 3.65
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 Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

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

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

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