FCC Test Report

FCC ID	:	**NKR-DHURAZ53**
Equipment	:	**11a/b/g/n/ac 1x1 module**
Model No.	:	**DHUR-AZ53**
Brand Name	:	**Amazon**
Applicant	:	**Wistron NeWeb Corporation**
Address	:	**20 Park Avenue II, Hsinchu Science Park, Hsinchu 308,Taiwan,R.O.C.**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Dec. 16, 2021**
Tested Date	:	**Jan. 18 ~ Feb. 16, 2022**

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 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**

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Release Record

Report No.	Version	Description	Issued Date
FR1D1601AN	Rev. 01	Initial issue	Mar. 21, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.538MHz 31.56 (Margin -14.44dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5350.00MHz 52.98 (Margin -1.02dB) - AV	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: 5150~5250MHz: 21.66 5250~5350MHz: 21.87 5470~5725MHz: 21.53 5725~5850MHz: 21.97	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 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.					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				Remark
					5150~5250	5250~5350	5470~5725	5725~5850	
1	WNC	WF1_ANT	PIFA	NA	2.17	1.71	1.49	1.61	onboard
2	WNC	81.EK615.GAA	PIFA	IPEX	6.34	6.34	6.54	6.93	---
3	WNC	81.EK615.GAF	PIFA	IPEX	4.23	4.23	5.35	4.06	---

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	5Vdc from host

1.1.4 Accessories

N/A

1.1.5 Channel List

802.11 a / HT20 / VHT20		HT40 / VHT40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	**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	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	QA Tool, Version: V0.02.6		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	98.47%	0.07
	VHT20	98.69%	0.06
	VHT40	95.65%	0.19
	VHT80	90.13%	0.45

1.1.7 Power Index of Test Tool

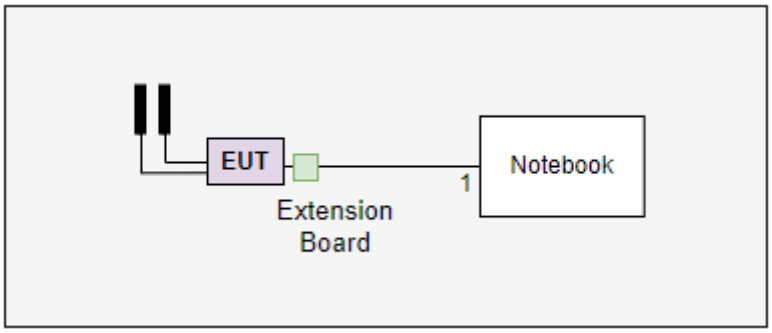
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	23
11a	5200	28
11a	5240	28
11a	5260	28
11a	5300	28
11a	5320	23
11a	5500	1F
11a	5580	28
11a	5700	1A
11a	5720	28
11a	5745	28
11a	5785	28
11a	5825	28

Modulation Mode	Test Frequency (MHz)	Power Index
VHT20	5180	23
VHT20	5200	28
VHT20	5240	28
VHT20	5260	28
VHT20	5300	28
VHT20	5320	21
VHT20	5500	1E
VHT20	5580	28
VHT20	5700	19
VHT20	5720	27
VHT20	5745	28
VHT20	5785	28
VHT20	5825	28
VHT40	5190	1D
VHT40	5230	28
VHT40	5270	28
VHT40	5310	1D
VHT40	5510	1C
VHT40	5590	28
VHT40	5670	1E
VHT40	5710	27
VHT40	5755	28
VHT40	5795	28
VHT80	5210	1A
VHT80	5290	1A
VHT80	5530	1B
VHT80	5610	22
VHT80	5690	27
VHT80	5775	24

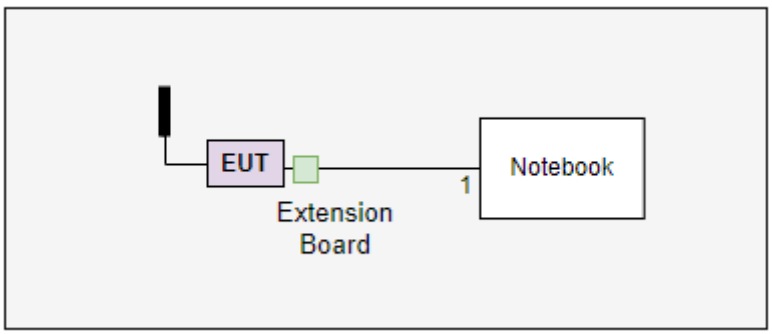
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude E5470	---	---
2	USB Cable	ICC	extension	---	
3	Extension Board	---	---	---	Provided by applicant.

1.3 Test Setup Chart

Test Setup Diagram (Wi-Fi: External antenna + Bluetooth: External antenna)


No.	Signal cable / Length (m)
1	USB, 1m shielded.

Test Setup Diagram (Wi-Fi: Onboard antenna + Bluetooth: External antenna)


No.	Signal cable / Length (m)
1	USB, 1m shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Feb. 15, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
LISN	R&S	ENV216	101579	Mar. 17, 2021	Mar. 16, 2022
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127477	Feb .25, 2021	Feb .24, 2022
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	Jan. 18 ~ Jan. 27, 2022				
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 9170517	Nov. 04, 2021	Nov. 03, 2022
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	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	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	Feb. 16, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	May 25, 2021	May 24, 2022
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 03, 2021	Dec. 02, 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	VHT40	5270	MCS 0	1
Radiated Emissions ≤1GHz	VHT40	5270	MCS 0	1, 2
Radiated Emissions >1GHz	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	1, 2
	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	
RF Output Power Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	1
	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	
Frequency Stability	Un-modulation	5320	---	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.
2. The EUT had been tested by following test configurations.
   Test Configuration 1: WiFi external antenna (model: 81.EK615.GAA) + BT external antenna (model: 81.EK615.GAV)
   Test Configuration 2: WiFi onboard (model: WF1_ANT) + BT external antenna (model: 81.EK615.GAV)

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

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.
2. The test configurations are listed as follows:
   Test Configuration 1: WiFi external antenna (model: 81.EK615.GAA) + BT external antenna (model: 81.EK615.GAV)
   Test Configuration 2: WiFi onboard (model: WF1_ANT) + BT external antenna (model: 81.EK615.GAV)

3 Transmitter Test Results

3.1 Conducted Emissions

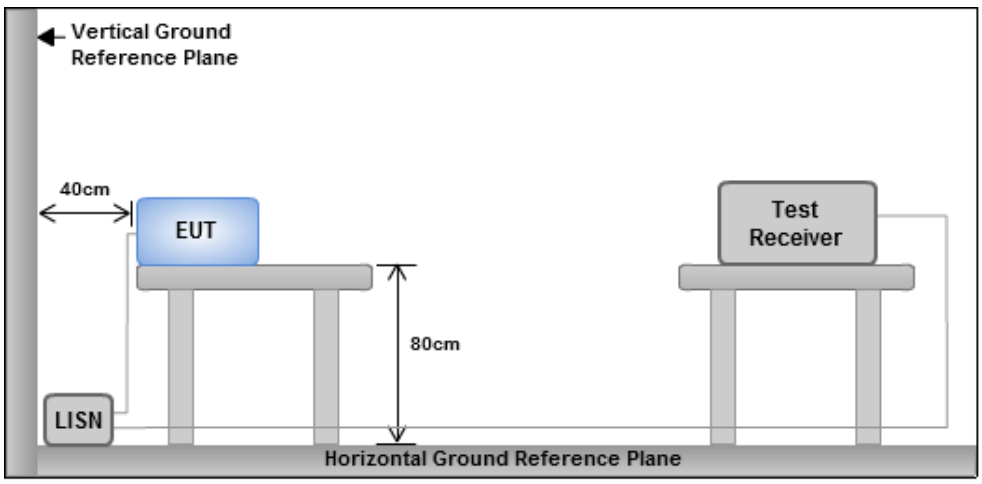
3.1.1 Limit of Conducted Emissions

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



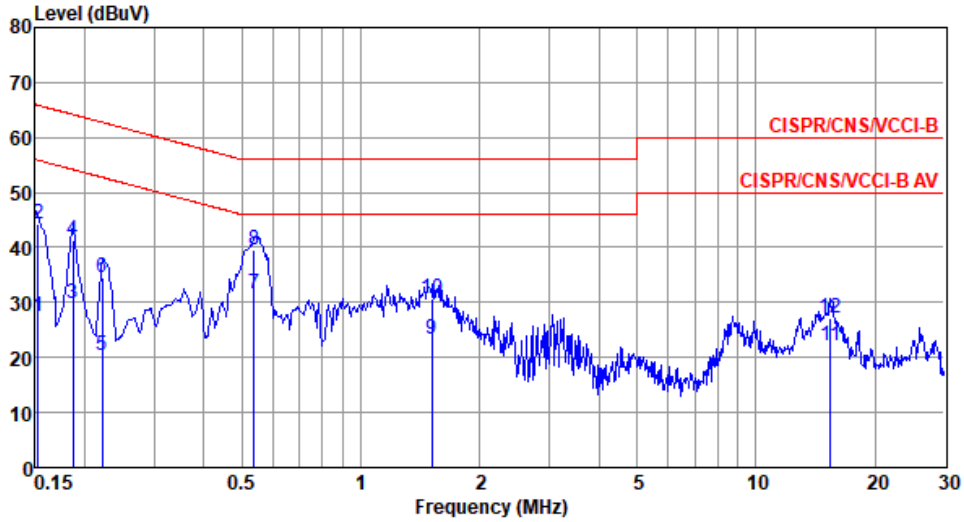
Note: 1. Support units were connected to second LISN.

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	VHT40	Test Freq. (MHz)	5270
Power Phase	Line		

Test by : Joe Liao Temperature: 16°C Humidity: 60%

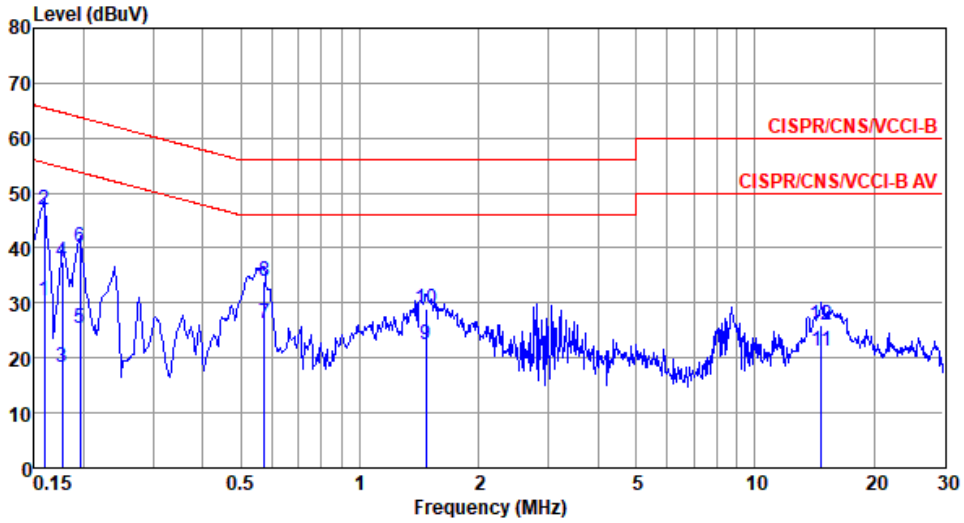


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.152	27.42	55.87	-28.45	17.68	9.66	0.08	0.00	Average
2	0.152	44.24	65.87	-21.63	34.50	9.66	0.08	0.00	QP
3	0.186	29.96	54.20	-24.24	20.23	9.65	0.08	0.00	Average
4	0.186	41.23	64.20	-22.97	31.50	9.65	0.08	0.00	QP
5	0.222	20.37	52.74	-32.37	10.64	9.65	0.08	0.00	Average
6	0.222	34.53	62.74	-28.21	24.80	9.65	0.08	0.00	QP
7*	0.538	31.56	46.00	-14.44	21.81	9.64	0.11	0.00	Average
8	0.538	39.59	56.00	-16.41	29.84	9.64	0.11	0.00	QP
9	1.511	23.36	46.00	-22.64	13.52	9.66	0.18	0.00	Average
10	1.511	30.66	56.00	-25.34	20.82	9.66	0.18	0.00	QP
11	15.470	22.26	50.00	-27.74	12.00	9.69	0.57	0.00	Average
12	15.470	27.15	60.00	-32.85	16.89	9.69	0.57	0.00	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	VHT40	Test Freq. (MHz)	5270
Power Phase	Neutral		

Test by : Joe Liao Temperature: 16°C Humidity: 60%

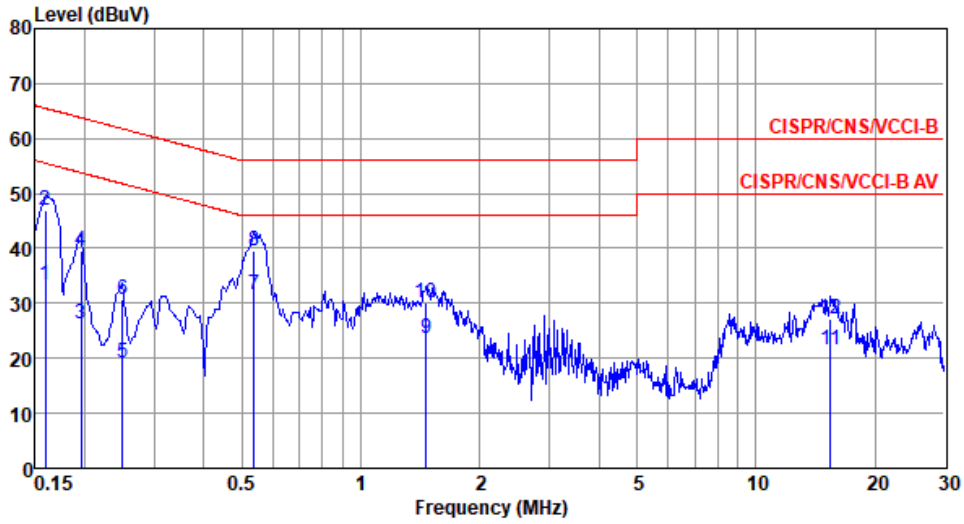


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.159	30.38	55.52	-25.14	20.61	9.69	0.08	0.00	Average
2*	0.159	46.87	65.52	-18.65	37.10	9.69	0.08	0.00	QP
3	0.177	18.18	54.64	-36.46	8.42	9.68	0.08	0.00	Average
4	0.177	37.35	64.64	-27.29	27.59	9.68	0.08	0.00	QP
5	0.195	25.35	53.80	-28.45	15.59	9.68	0.08	0.00	Average
6	0.195	40.01	63.80	-23.79	30.25	9.68	0.08	0.00	QP
7	0.573	26.26	46.00	-19.74	16.48	9.67	0.11	0.00	Average
8	0.573	34.01	56.00	-21.99	24.23	9.67	0.11	0.00	QP
9	1.472	22.32	46.00	-23.68	12.45	9.69	0.18	0.00	Average
10	1.472	29.02	56.00	-26.98	19.15	9.69	0.18	0.00	QP
11	14.750	21.39	50.00	-28.61	11.04	9.80	0.55	0.00	Average
12	14.750	26.07	60.00	-33.93	15.72	9.80	0.55	0.00	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	11a	Test Freq. (MHz)	5745
Power Phase	Line		

Test by : Joe Liao Temperature: 16°C Humidity: 60%

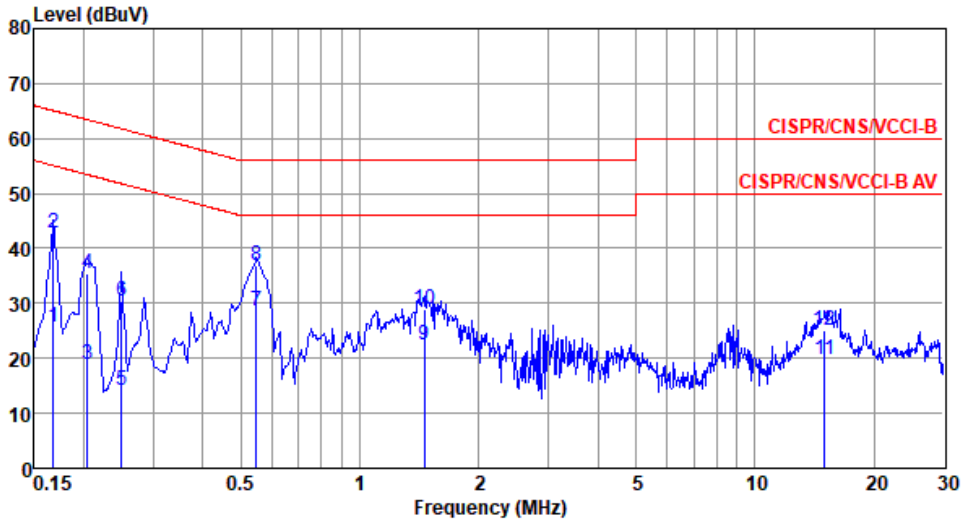


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.159	33.41	55.52	-22.11	23.67	9.66	0.08	0.00	Average
2	0.159	46.87	65.52	-18.65	37.13	9.66	0.08	0.00	QP
3	0.195	26.19	53.80	-27.61	16.46	9.65	0.08	0.00	Average
4	0.195	39.56	63.80	-24.24	29.83	9.65	0.08	0.00	QP
5	0.249	19.30	51.78	-32.48	9.57	9.65	0.08	0.00	Average
6	0.249	30.58	61.78	-31.20	20.85	9.65	0.08	0.00	QP
7*	0.538	31.53	46.00	-14.47	21.78	9.64	0.11	0.00	Average
8	0.538	39.65	56.00	-16.35	29.90	9.64	0.11	0.00	QP
9	1.464	23.67	46.00	-22.33	13.83	9.66	0.18	0.00	Average
10	1.464	30.24	56.00	-25.76	20.40	9.66	0.18	0.00	QP
11	15.470	21.65	50.00	-28.35	11.39	9.69	0.57	0.00	Average
12	15.470	27.17	60.00	-32.83	16.91	9.69	0.57	0.00	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	11a	Test Freq. (MHz)	5745
Power Phase	Neutral		

Test by : Joe Liao Temperature: 16°C Humidity: 60%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.168	25.80	55.08	-29.28	16.03	9.69	0.08	0.00	Average
2	0.168	42.71	65.08	-22.37	32.94	9.69	0.08	0.00	QP
3	0.204	18.88	53.45	-34.57	9.12	9.68	0.08	0.00	Average
4	0.204	35.38	63.45	-28.07	25.62	9.68	0.08	0.00	QP
5	0.249	14.21	51.78	-37.57	4.45	9.68	0.08	0.00	Average
6	0.249	30.33	61.78	-31.45	20.57	9.68	0.08	0.00	QP
7*	0.546	28.62	46.00	-17.38	18.84	9.67	0.11	0.00	Average
8	0.546	36.93	56.00	-19.07	27.15	9.67	0.11	0.00	QP
9	1.456	22.48	46.00	-23.52	12.61	9.69	0.18	0.00	Average
10	1.456	29.00	56.00	-27.00	19.13	9.69	0.18	0.00	QP
11	14.986	19.73	50.00	-30.27	9.36	9.81	0.56	0.00	Average
12	14.986	25.03	60.00	-34.97	14.66	9.81	0.56	0.00	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.

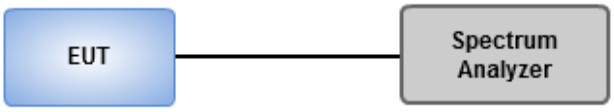
Occupied Bandwidth

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°C / 66%	Tested By	Aska Huang

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	37.246M	18.958M	19M0D1D	26.232M	16.715M
802.11ac VHT20_Nss1,(MCS0)_1TX	33.841M	19.609M	19M6D1D	27.826M	17.8M
802.11ac VHT40_Nss1,(MCS0)_1TX	77.246M	38.35M	38M3D1D	40.435M	36.035M
802.11ac VHT80_Nss1,(MCS0)_1TX	80.58M	75.253M	75M3D1D	80.58M	75.253M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	33.696M	18.234M	18M2D1D	22.101M	16.643M
802.11ac VHT20_Nss1,(MCS0)_1TX	35.145M	18.741M	18M7D1D	20.797M	17.656M
802.11ac VHT40_Nss1,(MCS0)_1TX	76.232M	37.771M	37M8D1D	40.435M	36.035M
802.11ac VHT80_Nss1,(MCS0)_1TX	80.58M	75.253M	75M3D1D	80.58M	75.253M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	34.13M	18.452M	18M5D1D	19.855M	14.588M
802.11ac VHT20_Nss1,(MCS0)_1TX	36.739M	19.682M	19M7D1D	19.609M	14.414M
802.11ac VHT40_Nss1,(MCS0)_1TX	81.449M	37.337M	37M3D1D	40.58M	34.038M
802.11ac VHT80_Nss1,(MCS0)_1TX	107.391M	75.543M	75M5D1D	80.58M	72.938M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.072M	19.03M	19M0D1D	3.13M	11.172M
802.11ac VHT20_Nss1,(MCS0)_1TX	16.594M	19.609M	19M6D1D	3.652M	10.535M
802.11ac VHT40_Nss1,(MCS0)_1TX	35.217M	46.02M	46M0D1D	3.13M	25.297M
802.11ac VHT80_Nss1,(MCS0)_1TX	75.072M	75.832M	75M8D1D	3.072M	35.948M

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

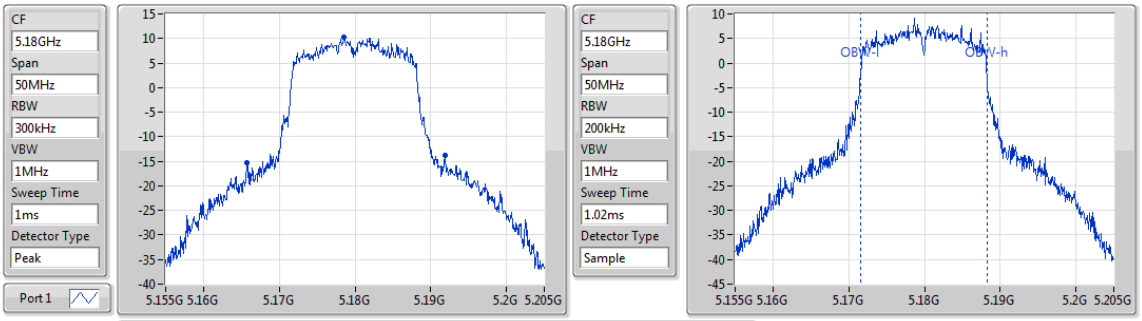
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	26.232M	16.715M
5200MHz	Pass	Inf	37.246M	18.958M
5240MHz	Pass	Inf	34.565M	18.234M
5260MHz	Pass	Inf	32.971M	18.234M
5300MHz	Pass	Inf	33.696M	18.017M
5320MHz	Pass	Inf	22.101M	16.643M
5500MHz	Pass	Inf	20M	16.425M
5580MHz	Pass	Inf	34.13M	18.452M
5700MHz	Pass	Inf	19.855M	16.425M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.217M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	11.172M
5745MHz	Pass	500k	14.42M	18.379M
5785MHz	Pass	500k	13.768M	19.03M
5825MHz	Pass	500k	15.072M	19.03M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	27.826M	17.8M
5200MHz	Pass	Inf	33.696M	19.609M
5240MHz	Pass	Inf	33.841M	19.175M
5260MHz	Pass	Inf	33.116M	18.741M
5300MHz	Pass	Inf	35.145M	18.596M
5320MHz	Pass	Inf	20.797M	17.656M
5500MHz	Pass	Inf	20.435M	17.583M
5580MHz	Pass	Inf	36.739M	19.682M
5700MHz	Pass	Inf	20.362M	17.583M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.609M	14.414M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.652M	10.535M
5745MHz	Pass	500k	16.594M	19.03M
5785MHz	Pass	500k	15.652M	19.537M
5825MHz	Pass	500k	15.072M	19.609M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.435M	36.035M
5230MHz	Pass	Inf	77.246M	38.35M
5270MHz	Pass	Inf	76.232M	37.771M
5310MHz	Pass	Inf	40.435M	36.035M
5510MHz	Pass	Inf	40.58M	35.89M
5590MHz	Pass	Inf	81.449M	37.337M
5670MHz	Pass	Inf	40.58M	36.035M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	49.203M	34.038M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	25.297M
5755MHz	Pass	500k	33.913M	46.02M
5795MHz	Pass	500k	35.217M	44.139M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	80.58M	75.253M
5290MHz	Pass	Inf	80.58M	75.253M
5530MHz	Pass	Inf	80.58M	75.543M
5610MHz	Pass	Inf	81.449M	75.543M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	107.391M	72.938M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.072M	35.948M
5775MHz	Pass	500k	75.072M	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**

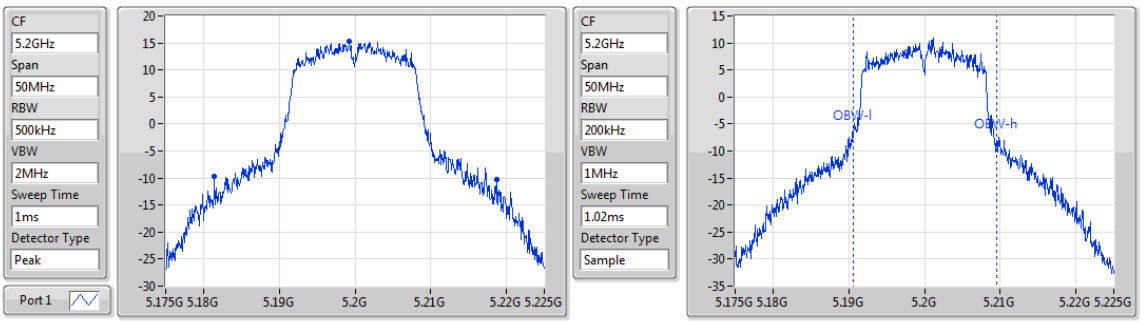
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.232M	5.165725G	5.191957G	16.715M	5.171534G	5.188249G	Inf	1

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

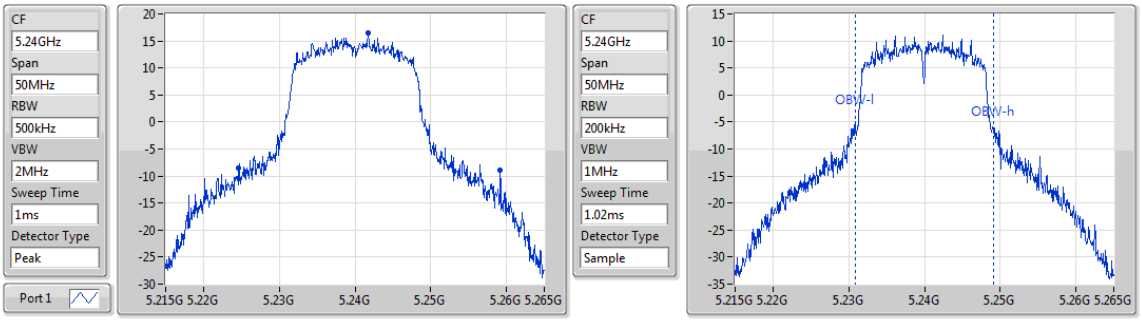
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.246M	5.181449G	5.218696G	18.958M	5.190593G	5.209551G	Inf	1

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

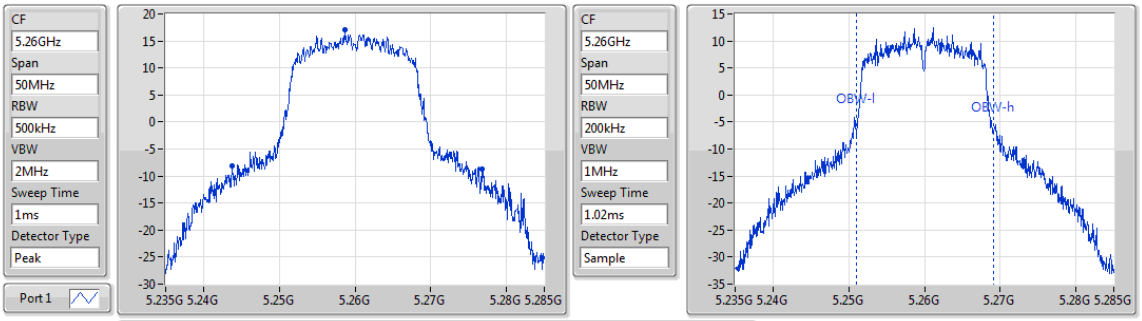
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.565M	5.224638G	5.259203G	18.234M	5.230883G	5.249117G	Inf	1

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

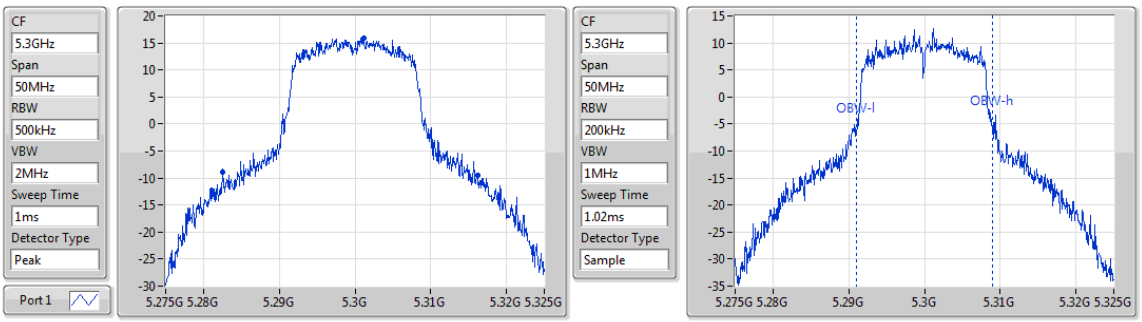
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.971M	5.243768G	5.276739G	18.234M	5.250955G	5.26919G	Inf	1

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

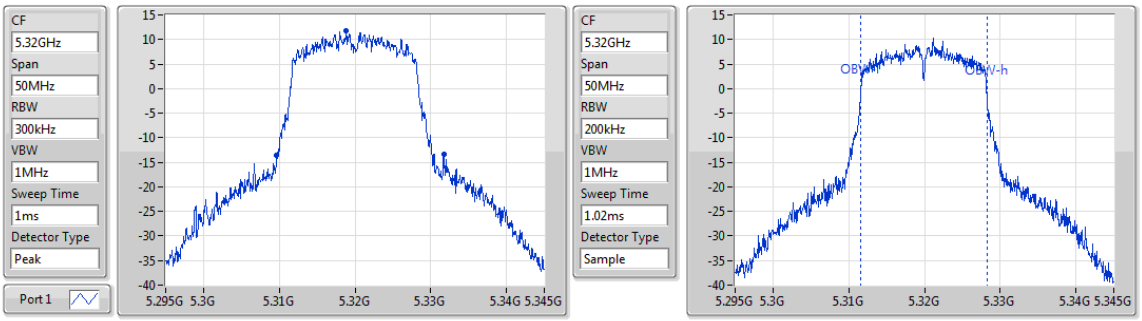
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.696M	5.282464G	5.316159G	18.017M	5.291027G	5.309045G	Inf	1

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

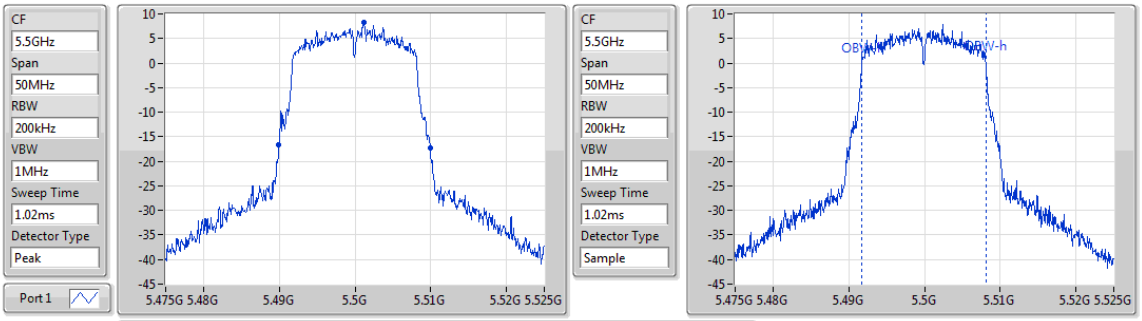
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.101M	5.309638G	5.331739G	16.643M	5.311606G	5.328249G	Inf	1

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

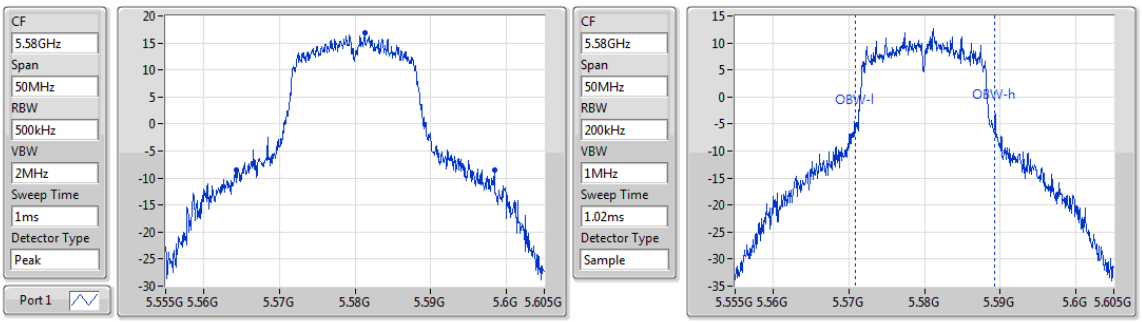
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.489928G	5.509928G	16.425M	5.491679G	5.508104G	Inf	1

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

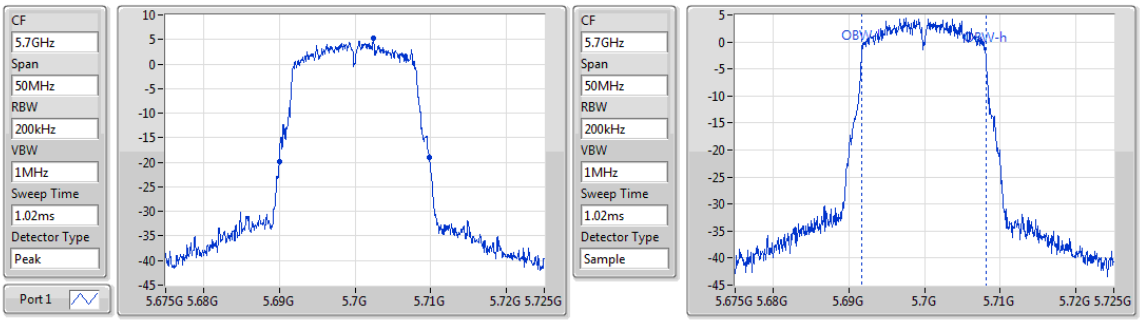
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.13M	5.564275G	5.598406G	18.452M	5.57081G	5.589262G	Inf	1

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

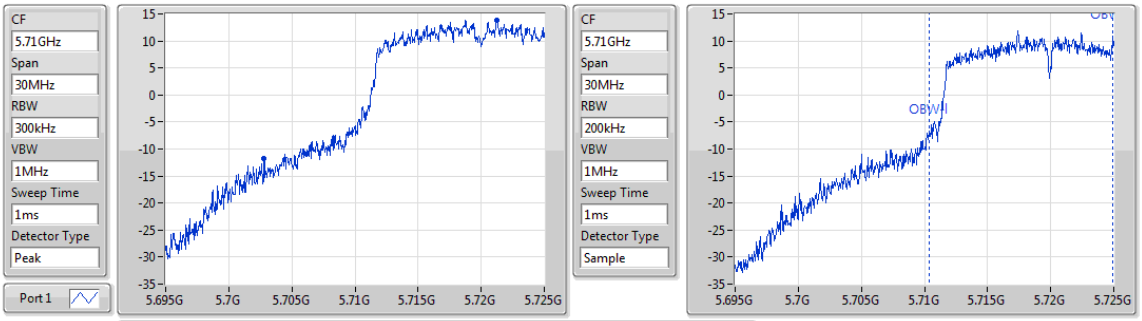
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.855M	5.69G	5.709855G	16.425M	5.691679G	5.708104G	Inf	1

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

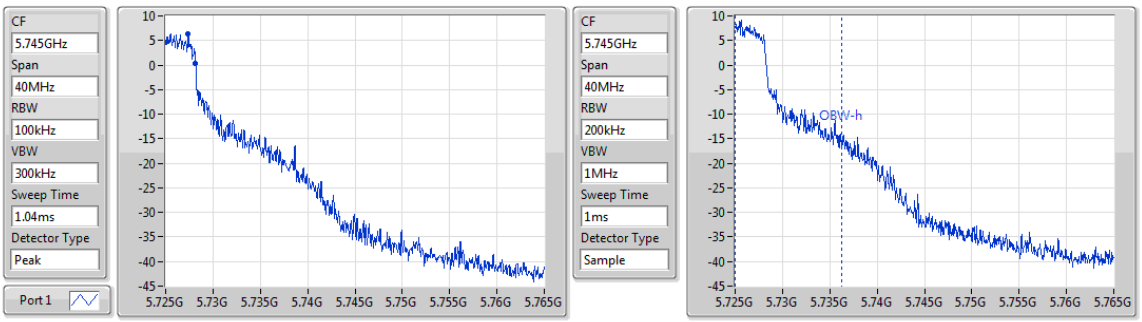
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.217M	5.702783G	5.725G	14.588M	5.710347G	5.724935G	Inf	1

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

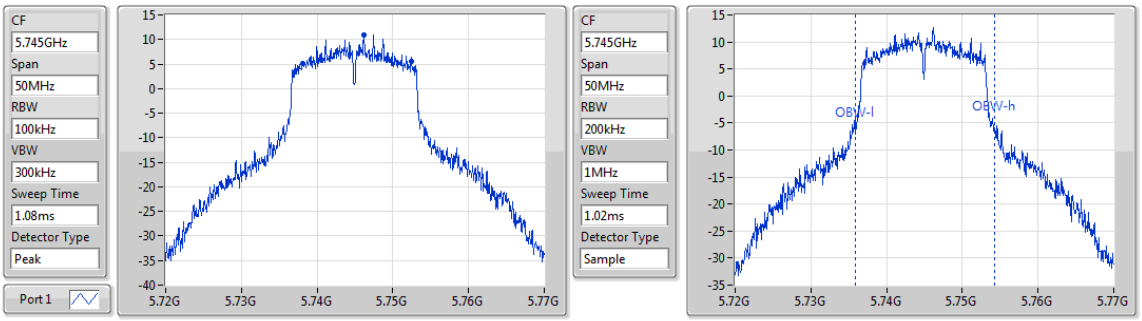
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.13M	5.725G	5.72813G	11.172M	5.725029G	5.736201G	500k	1

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

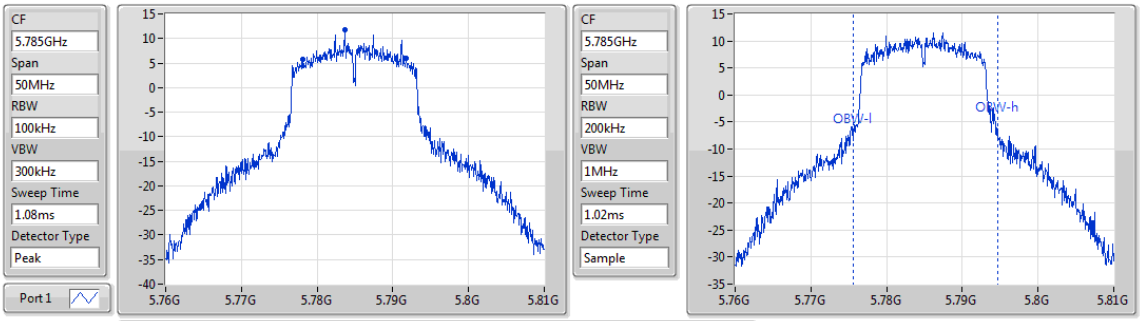
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.42M	5.738043G	5.752464G	18.379M	5.735883G	5.754262G	500k	1

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

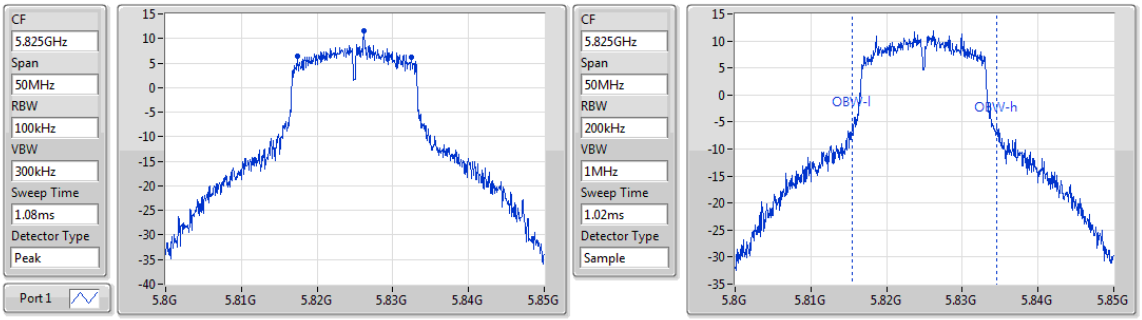
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.768M	5.778043G	5.791812G	19.03M	5.775593G	5.794624G	500k	1

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

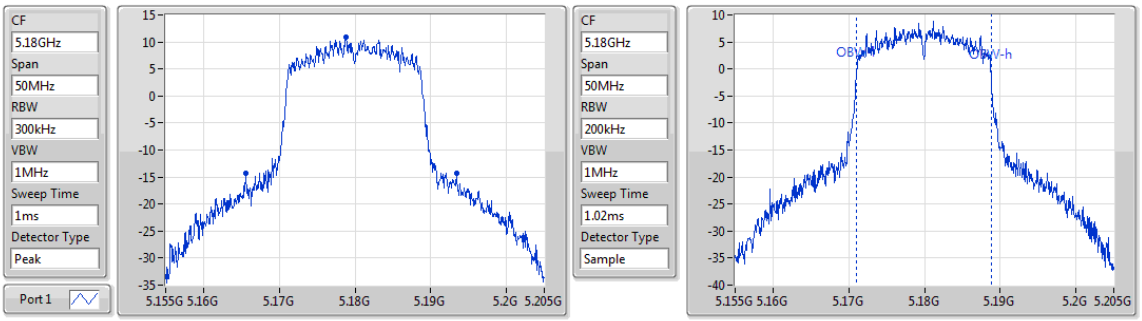
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.072M	5.817391G	5.832464G	19.03M	5.815521G	5.834551G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

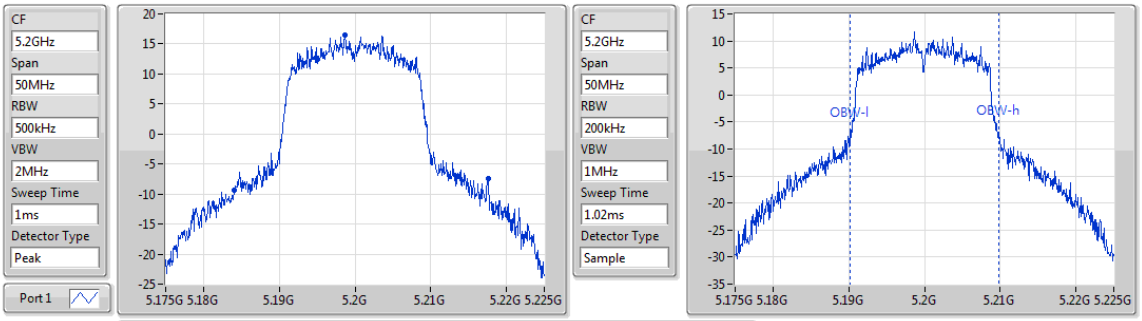
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.826M	5.16558G	5.193406G	17.8M	5.171027G	5.188828G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

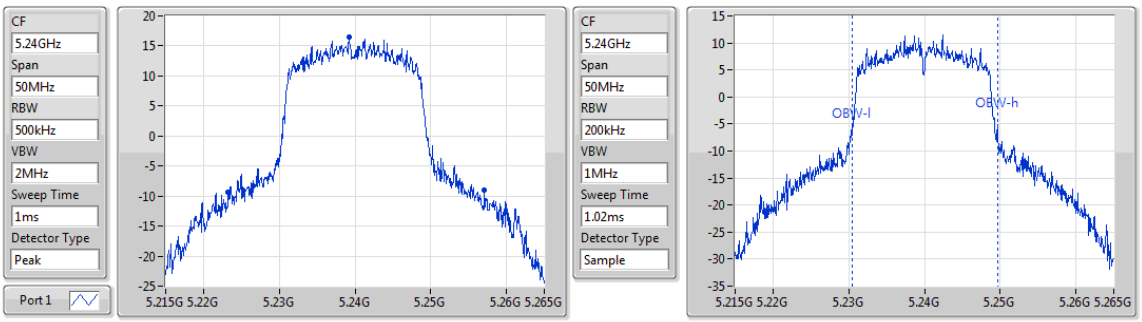
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.696M	5.183986G	5.217681G	19.609M	5.190232G	5.209841G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

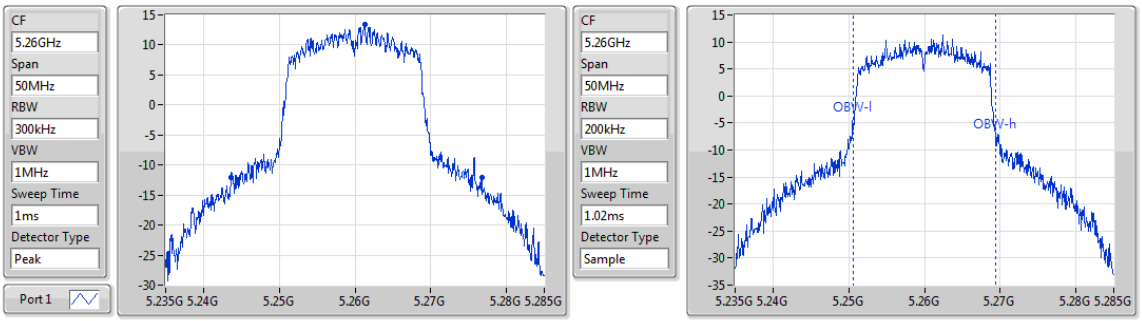
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.841M	5.223261G	5.257101G	19.175M	5.230449G	5.249624G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

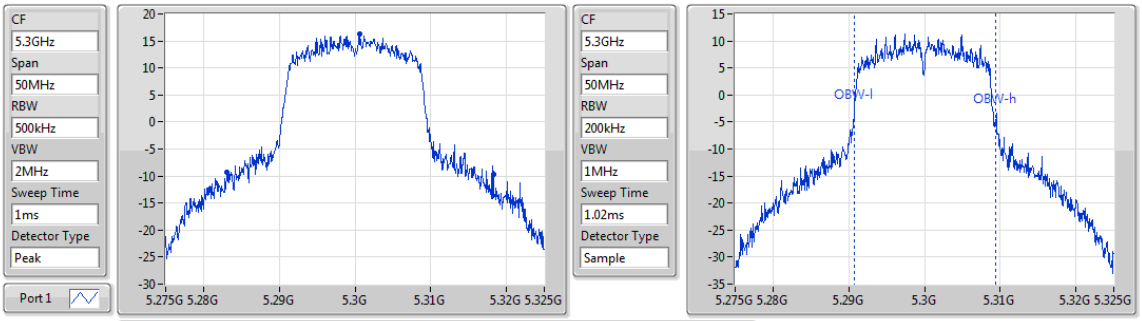
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.116M	5.243623G	5.276739G	18.741M	5.250666G	5.269407G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

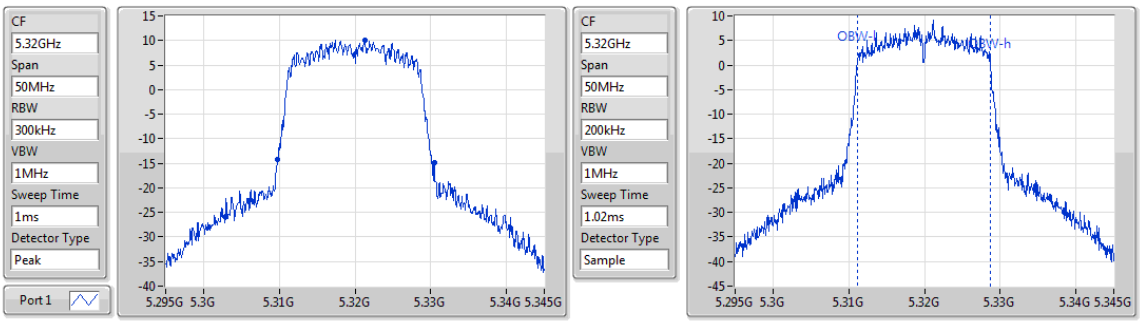
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.145M	5.283116G	5.318261G	18.596M	5.290738G	5.309334G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

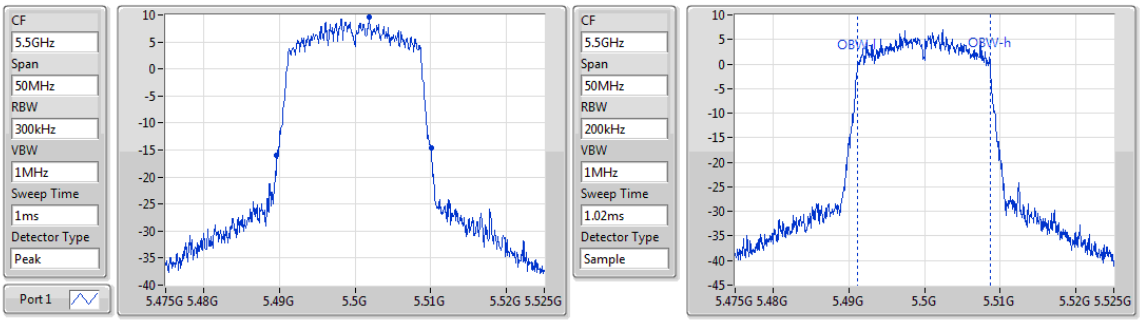
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.797M	5.30971G	5.330507G	17.656M	5.3111G	5.328755G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

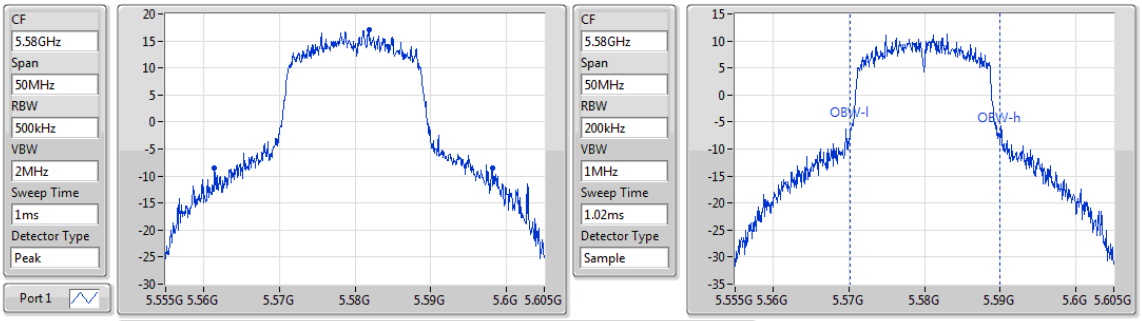
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.435M	5.489638G	5.510072G	17.583M	5.4911G	5.508683G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

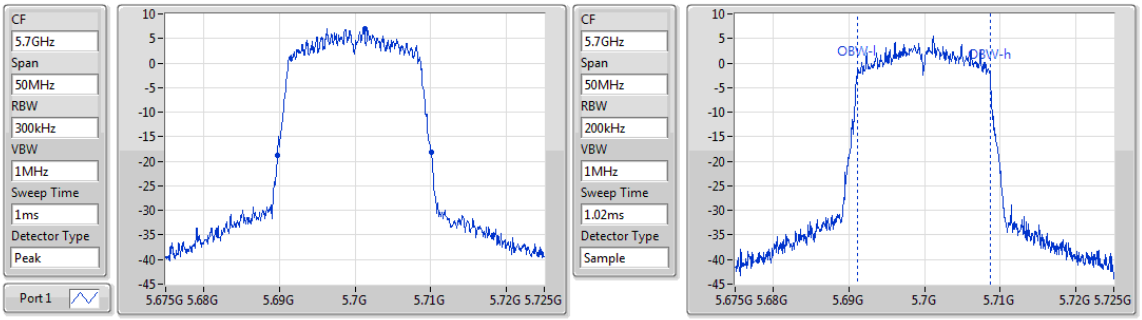
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.739M	5.561449G	5.598188G	19.682M	5.570232G	5.589913G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

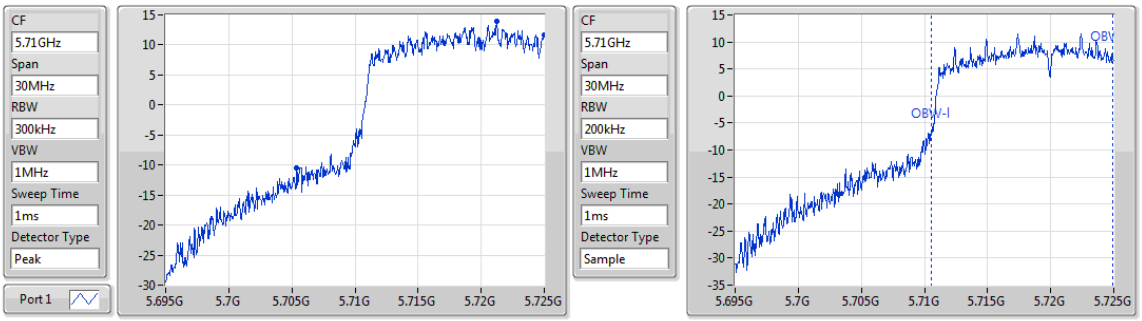
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.362M	5.689783G	5.710145G	17.583M	5.6911G	5.708683G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

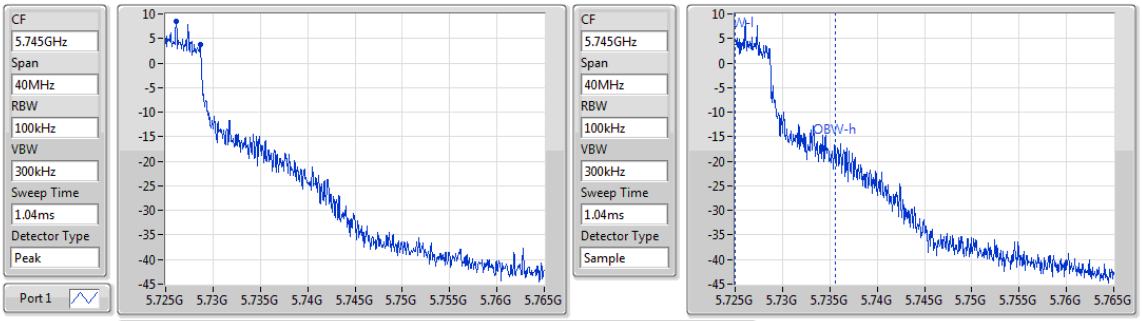
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.609M	5.705391G	5.725G	14.414M	5.710521G	5.724935G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

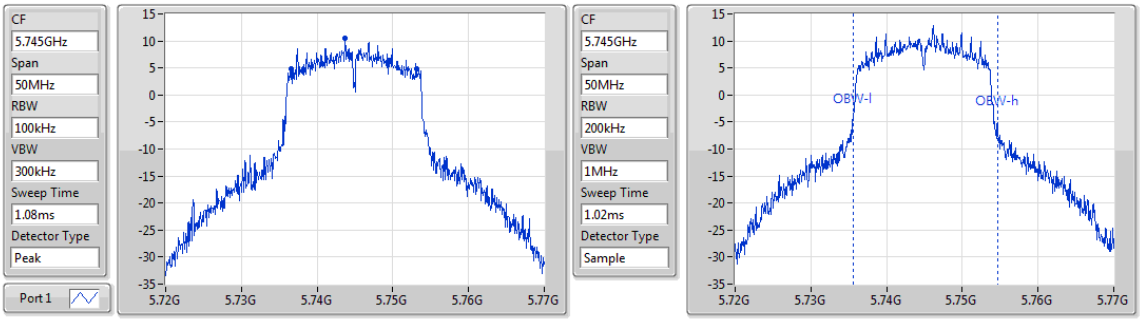
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.652M	5.725G	5.728652G	10.535M	5.725029G	5.735564G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

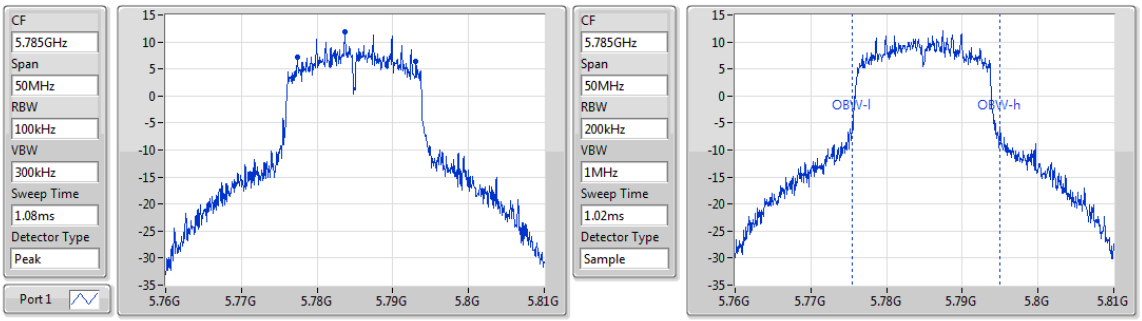
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.594M	5.736522G	5.753116G	19.03M	5.735593G	5.754624G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

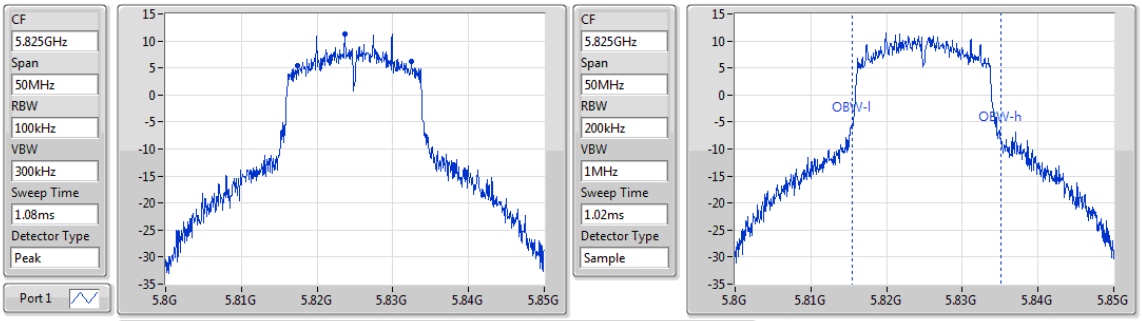
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.652M	5.777391G	5.793043G	19.537M	5.775449G	5.794986G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

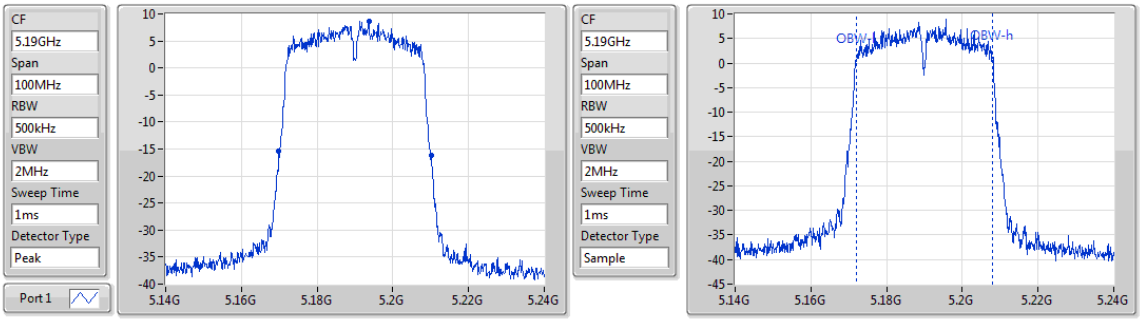
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.072M	5.817391G	5.832464G	19.609M	5.815521G	5.83513G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

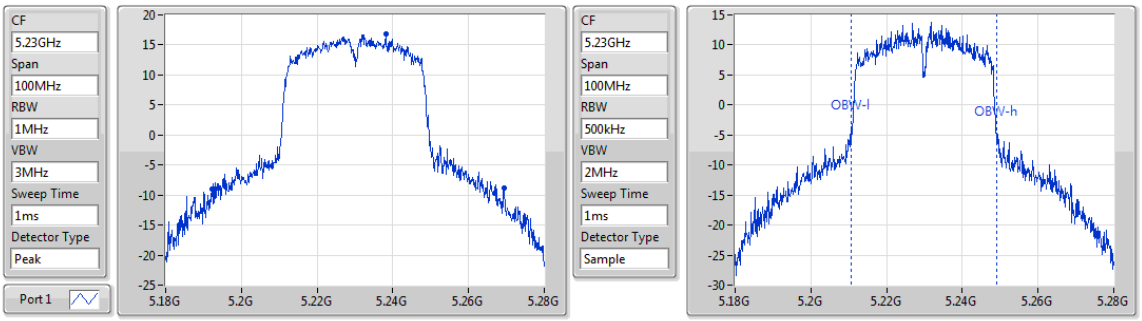
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.435M	5.169855G	5.21029G	36.035M	5.17191G	5.207945G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

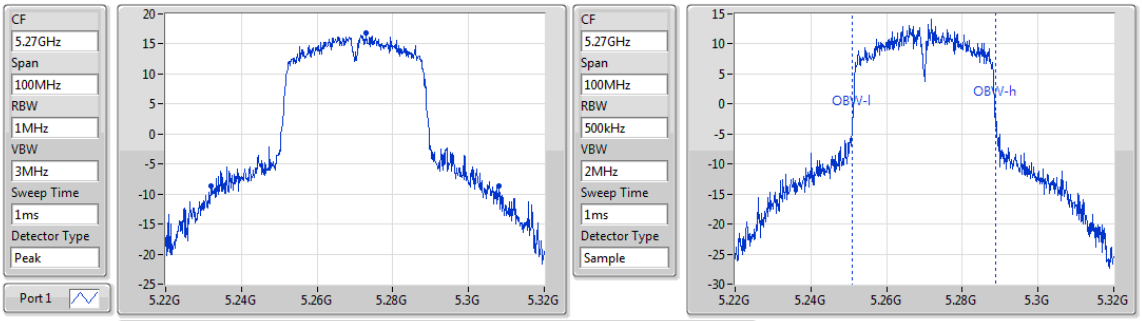
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.246M	5.192174G	5.26942G	38.35M	5.210608G	5.248958G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

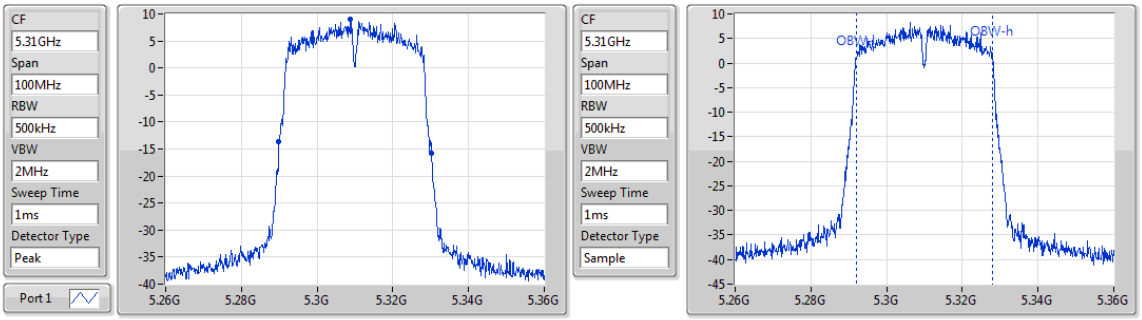
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.232M	5.231884G	5.308116G	37.771M	5.251042G	5.288813G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

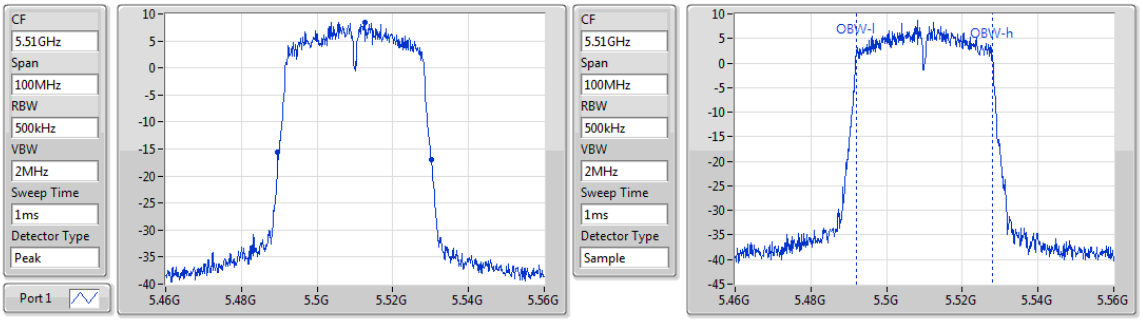
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.435M	5.289855G	5.33029G	36.035M	5.29191G	5.327945G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

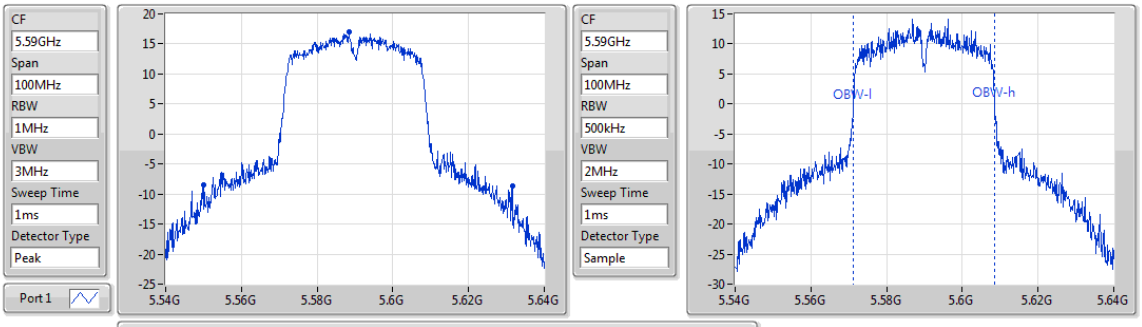
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.58M	5.489565G	5.530145G	35.89M	5.492055G	5.527945G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

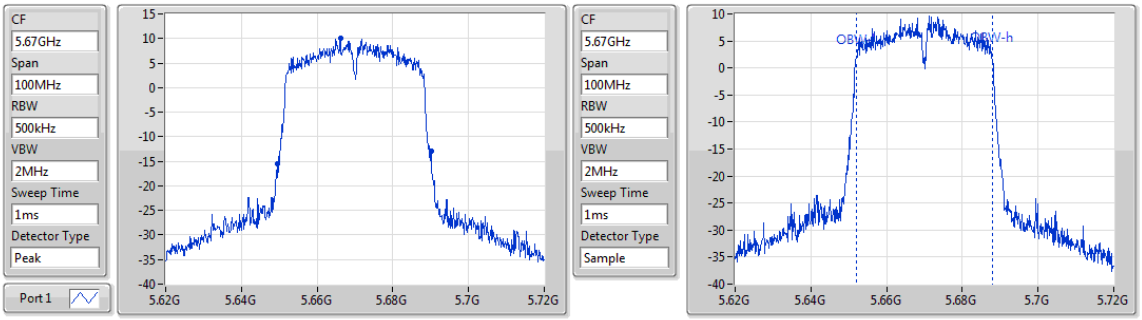
5590MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.550145G	5.631594G	37.337M	5.571187G	5.608524G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

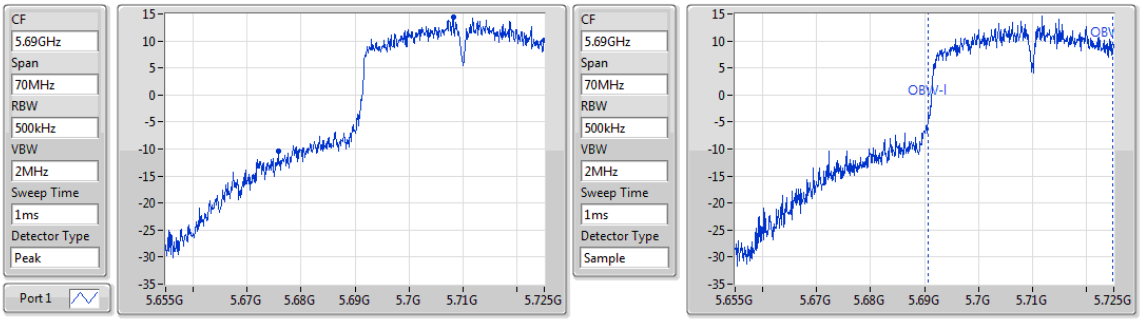
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.58M	5.649565G	5.690145G	36.035M	5.65191G	5.687945G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

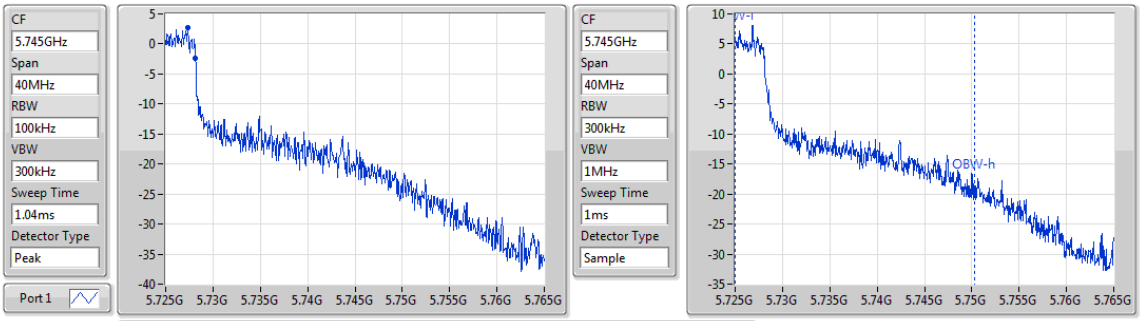
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.203M	5.675797G	5.725G	34.038M	5.690709G	5.724747G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX EBW

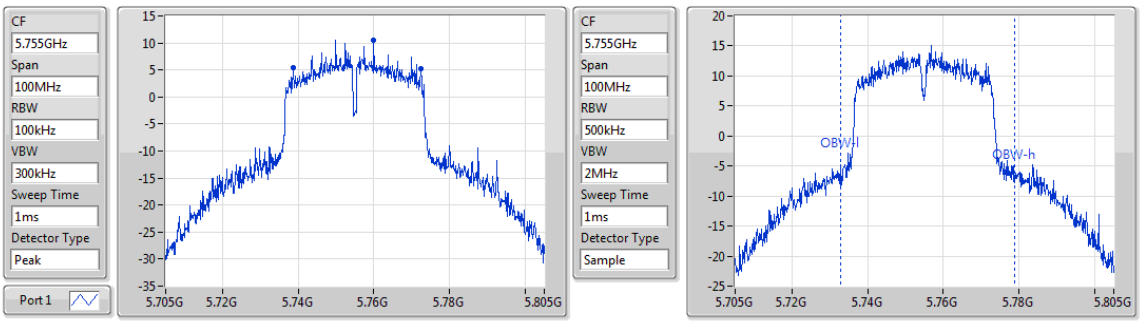
5710MHz Straddle 5.725-5.85GHz



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	25.297M	5.725029G	5.750326G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX EBW

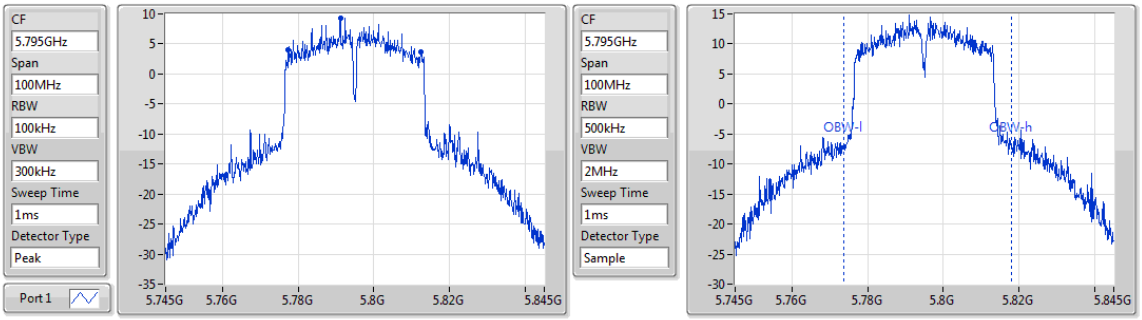
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.913M	5.738623G	5.772536G	46.02M	5.732858G	5.778878G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX EBW

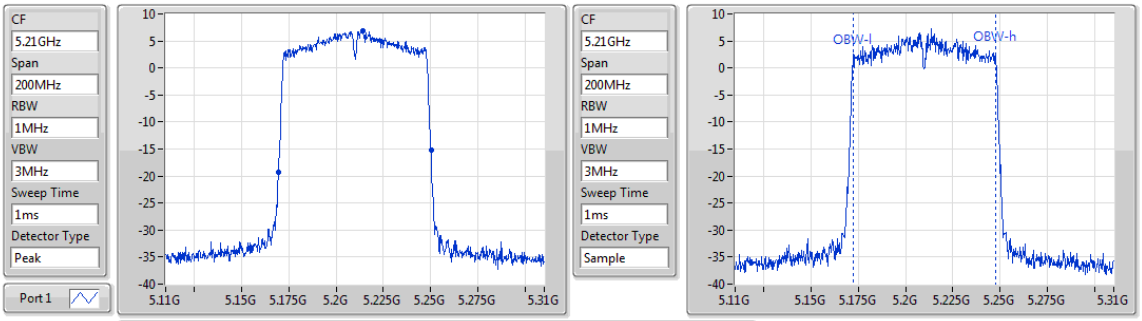
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.217M	5.777319G	5.812536G	44.139M	5.773726G	5.817865G	500k	1

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

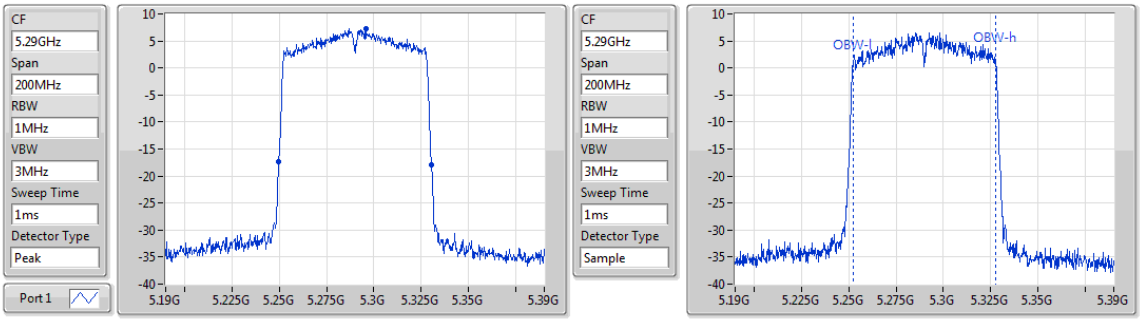
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.58M	5.16971G	5.25029G	75.253M	5.172373G	5.247627G	Inf	1

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

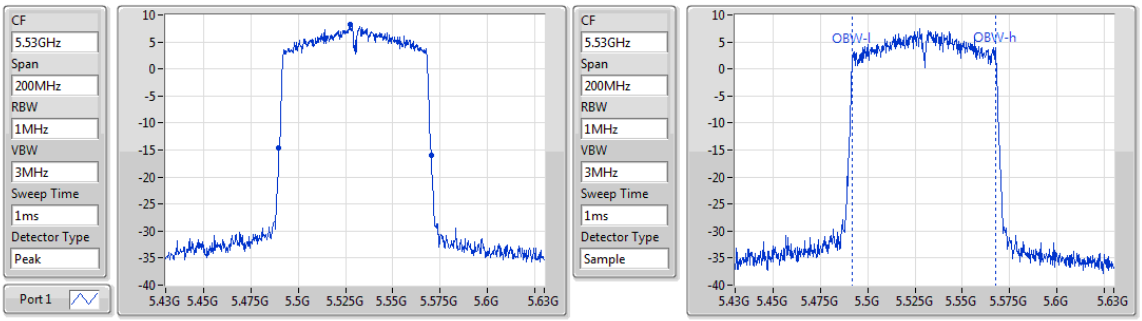
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.58M	5.24971G	5.33029G	75.253M	5.252373G	5.327627G	Inf	1

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

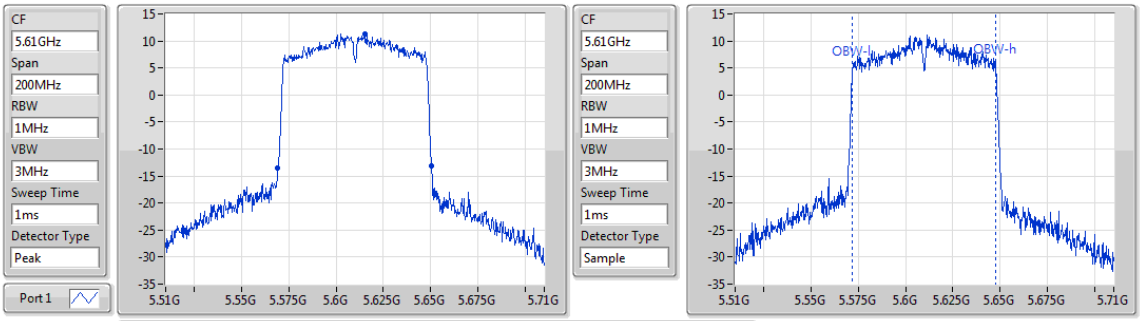
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.58M	5.48971G	5.57029G	75.543M	5.492084G	5.567627G	Inf	1

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

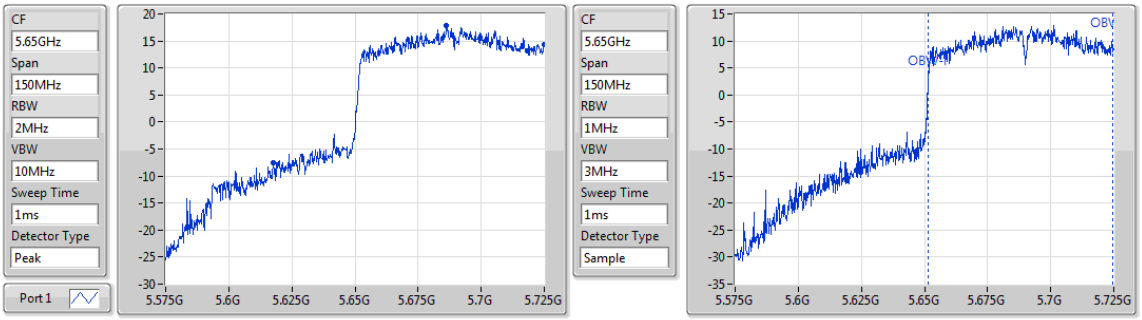
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.56913G	5.65058G	75.543M	5.572084G	5.647627G	Inf	1

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

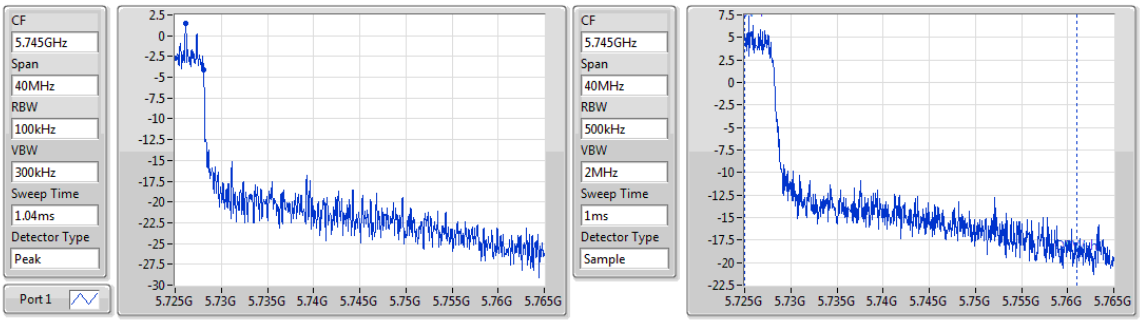
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
107.391M	5.617609G	5.725G	72.938M	5.65152G	5.724457G	Inf	1

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

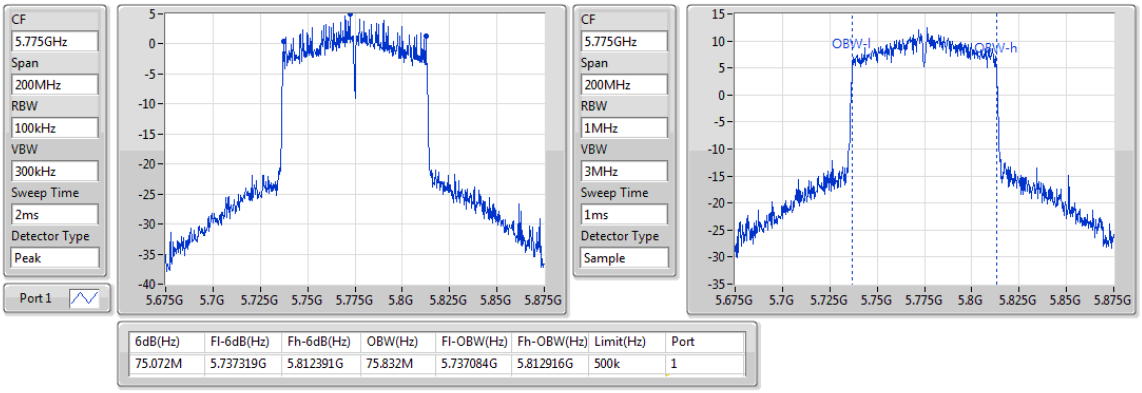
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.072M	5.725G	5.728072G	35.948M	5.725029G	5.760977G	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
75.072M	5.737319G	5.812391G	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

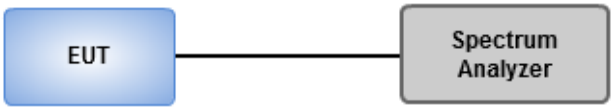
Method PM-G (Measurement using a gated RF average power meter)

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°C / 66%	Tested By	Aska Huang

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.35	0.13646	27.69	0.58749
802.11ac VHT20_Nss1,(MCS0)_1TX	21.35	0.13646	27.69	0.58749
802.11ac VHT40_Nss1,(MCS0)_1TX	21.66	0.14655	28.00	0.63096
802.11ac VHT80_Nss1,(MCS0)_1TX	14.67	0.02931	21.01	0.12618
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.66	0.14655	28.00	0.63096
802.11ac VHT20_Nss1,(MCS0)_1TX	21.48	0.14060	27.82	0.60534
802.11ac VHT40_Nss1,(MCS0)_1TX	21.87	0.15382	28.21	0.66222
802.11ac VHT80_Nss1,(MCS0)_1TX	14.83	0.03041	21.17	0.13092
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.53	0.14223	28.07	0.64121
802.11ac VHT20_Nss1,(MCS0)_1TX	21.51	0.14158	28.05	0.63826
802.11ac VHT40_Nss1,(MCS0)_1TX	21.48	0.14060	28.02	0.63387
802.11ac VHT80_Nss1,(MCS0)_1TX	21.27	0.13397	27.81	0.60395
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.97	0.15740	28.90	0.77625
802.11ac VHT20_Nss1,(MCS0)_1TX	21.72	0.14859	28.65	0.73282
802.11ac VHT40_Nss1,(MCS0)_1TX	21.35	0.13646	28.28	0.67298
802.11ac VHT80_Nss1,(MCS0)_1TX	19.96	0.09908	26.89	0.48865

Result

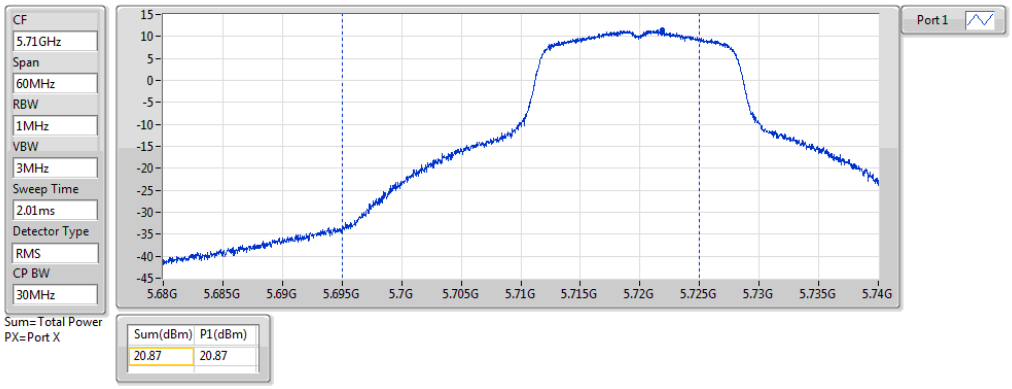
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	6.34	18.98	18.98	23.66	25.32	30.00
5200MHz	Pass	6.34	21.35	21.35	23.66	27.69	30.00
5240MHz	Pass	6.34	21.32	21.32	23.66	27.66	30.00
5260MHz	Pass	6.34	21.65	21.65	23.66	27.99	30.00
5300MHz	Pass	6.34	21.66	21.66	23.66	28.00	30.00
5320MHz	Pass	6.34	19.43	19.43	23.66	25.77	30.00
5500MHz	Pass	6.54	17.58	17.58	23.46	24.12	30.00
5580MHz	Pass	6.54	21.53	21.53	23.46	28.07	30.00
5700MHz	Pass	6.54	15.28	15.28	23.44	21.82	29.98
5720MHz Straddle 5.47-5.725GHz	Pass	6.54	20.87	20.87	23.46	27.41	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	13.22	13.22	29.07	20.15	36.00
5745MHz	Pass	6.93	21.97	21.97	29.07	28.90	36.00
5785MHz	Pass	6.93	21.96	21.96	29.07	28.89	36.00
5825MHz	Pass	6.93	21.92	21.92	29.07	28.85	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	6.34	18.78	18.78	23.66	25.12	30.00
5200MHz	Pass	6.34	21.35	21.35	23.66	27.69	30.00
5240MHz	Pass	6.34	21.32	21.32	23.66	27.66	30.00
5260MHz	Pass	6.34	21.36	21.36	23.66	27.70	30.00
5300MHz	Pass	6.34	21.48	21.48	23.66	27.82	30.00
5320MHz	Pass	6.34	18.27	18.27	23.66	24.61	30.00
5500MHz	Pass	6.54	17.12	17.12	23.46	23.66	30.00
5580MHz	Pass	6.54	21.51	21.51	23.46	28.05	30.00
5700MHz	Pass	6.54	14.76	14.76	23.46	21.30	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.54	20.25	20.25	23.38	26.79	29.92
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	13.1	13.10	29.07	20.03	36.00
5745MHz	Pass	6.93	21.72	21.72	29.07	28.65	36.00
5785MHz	Pass	6.93	21.7	21.70	29.07	28.63	36.00
5825MHz	Pass	6.93	21.68	21.68	29.07	28.61	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	6.34	16.38	16.38	23.66	22.72	30.00
5230MHz	Pass	6.34	21.66	21.66	23.66	28.00	30.00
5270MHz	Pass	6.34	21.87	21.87	23.66	28.21	30.00
5310MHz	Pass	6.34	16.51	16.51	23.66	22.85	30.00
5510MHz	Pass	6.54	16.33	16.33	23.46	22.87	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5590MHz	Pass	6.54	21.32	21.32	23.46	27.86	30.00
5670MHz	Pass	6.54	17.16	17.16	23.46	23.70	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.54	21.48	21.48	23.46	28.02	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.93	9.47	9.47	29.07	16.40	36.00
5755MHz	Pass	6.93	21.35	21.35	29.07	28.28	36.00
5795MHz	Pass	6.93	21.33	21.33	29.07	28.26	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	6.34	14.67	14.67	23.66	21.01	30.00
5290MHz	Pass	6.34	14.83	14.83	23.66	21.17	30.00
5530MHz	Pass	6.54	15.38	15.38	23.46	21.92	30.00
5610MHz	Pass	6.54	18.82	18.82	23.46	25.36	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.54	21.27	21.27	23.46	27.81	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.93	6.26	6.26	29.07	13.19	36.00
5775MHz	Pass	6.93	19.96	19.96	29.07	26.89	36.00

DG = Directional Gain; **Port X** = Port X output power
For 5150 ~ 5250 MHz , Antenna gain is 6.34 dBi > 6 dBi, limit shall be reduced to 24 dBm – (6.34 dBi - 6 dBi) = 23.66 dBm
For 5250 ~ 5350 MHz , Antenna gain is 6.34 dBi > 6 dBi, limit shall be reduced to 24 dBm – (6.34 dBi - 6 dBi) = 23.66 dBm
For 5470 ~ 5725 MHz , Antenna gain is 6.54 dBi > 6 dBi, limit shall be reduced to 24 dBm – (6.54 dBi - 6 dBi) = 23.46 dBm
For 5725 ~ 5850 MHz , Antenna gain is 6.93 dBi > 6 dBi, limit shall be reduced to 30 dBm – (6.93 dBi - 6 dBi) = 29.07 dBm

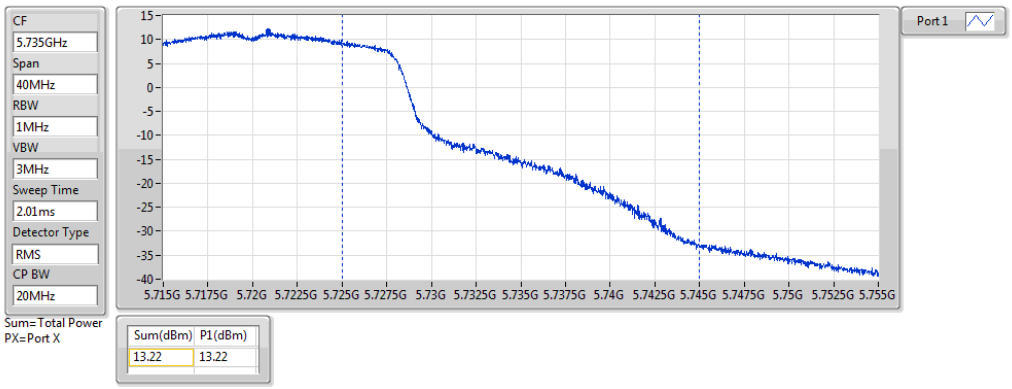
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



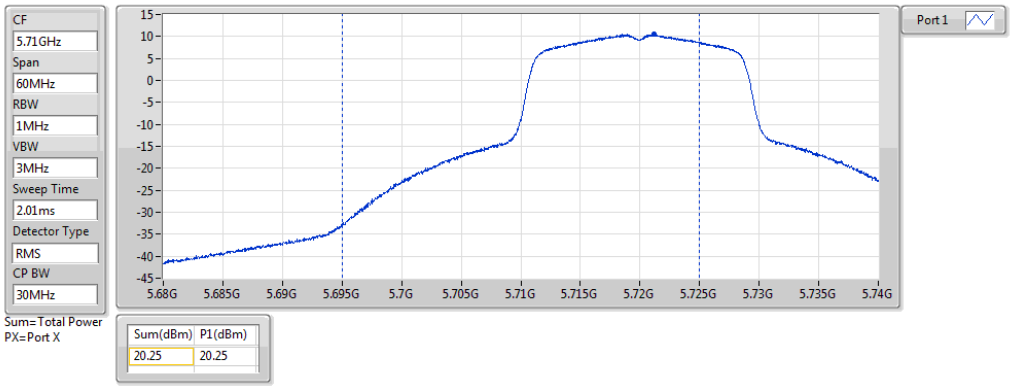
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



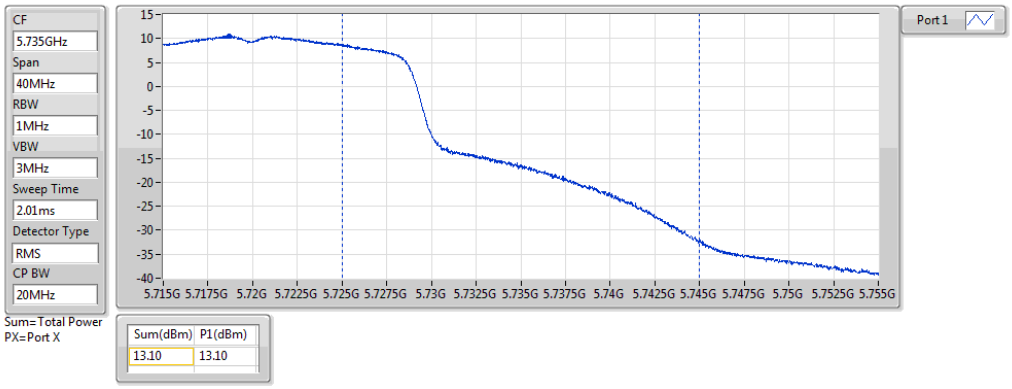
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



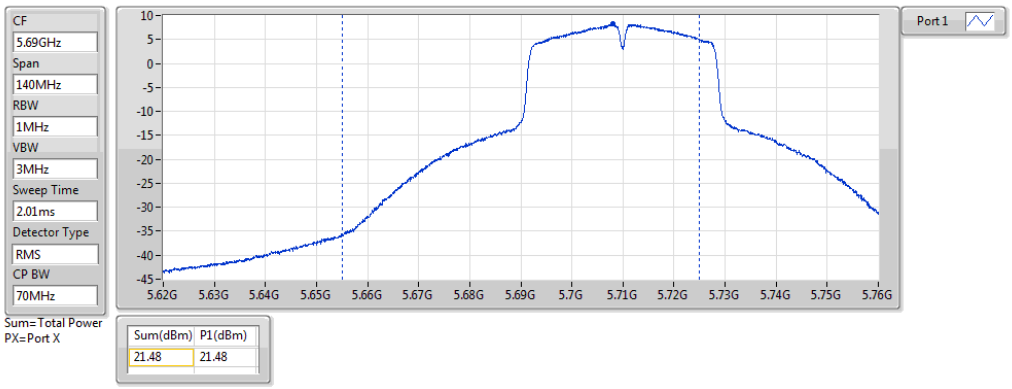
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



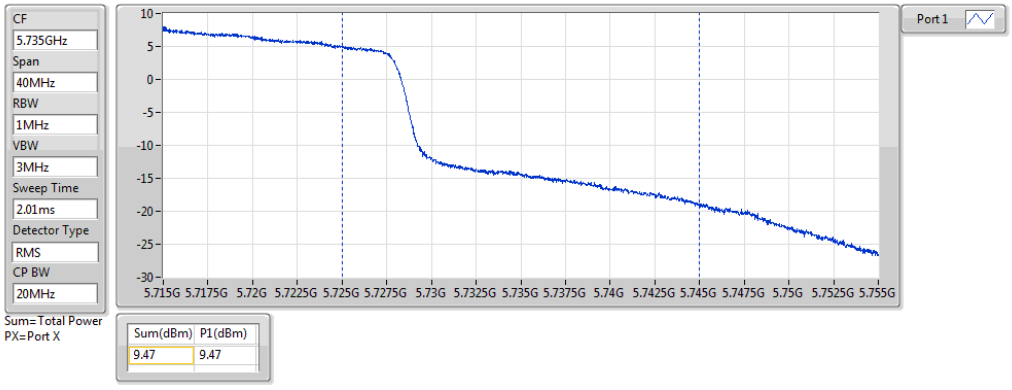
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.47-5.725GHz



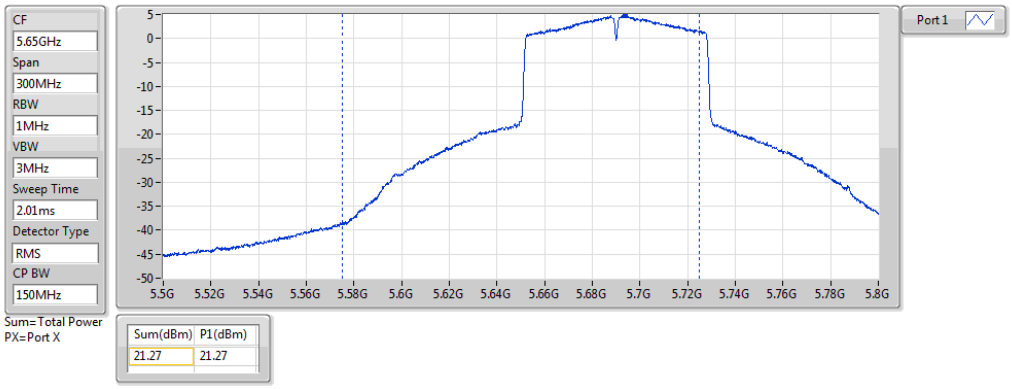
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.725-5.85GHz



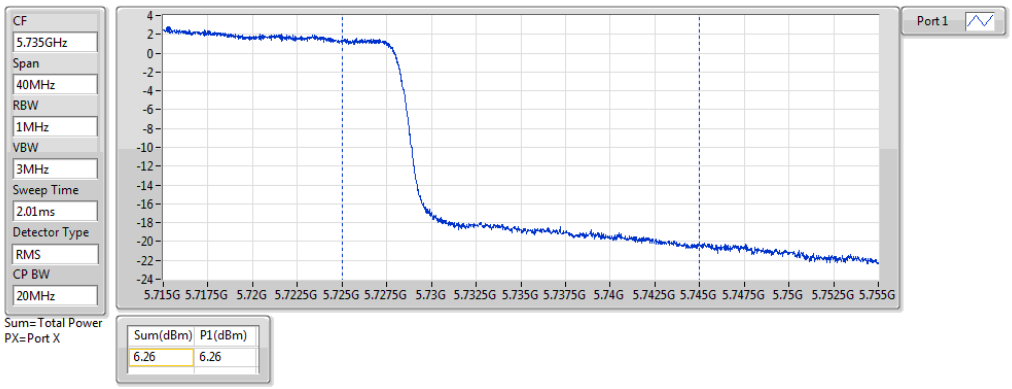
802.11ac VHT80_Nss1,(MCS0)_1TX **AV Power**

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

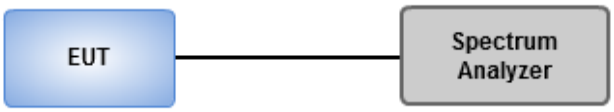
Duty cycle ≥ 98 %

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°C / 66%	Tested By	Aska Huang

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.21	15.55
802.11ac VHT20_Nss1,(MCS0)_1TX	8.95	15.29
802.11ac VHT40_Nss1,(MCS0)_1TX	6.34	12.68
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.07	3.27
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.7	16.04
802.11ac VHT20_Nss1,(MCS0)_1TX	8.99	15.33
802.11ac VHT40_Nss1,(MCS0)_1TX	6.54	12.88
802.11ac VHT80_Nss1,(MCS0)_1TX	-2.89	3.45
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.52	16.06
802.11ac VHT20_Nss1,(MCS0)_1TX	9.51	16.05
802.11ac VHT40_Nss1,(MCS0)_1TX	6.71	13.25
802.11ac VHT80_Nss1,(MCS0)_1TX	2.96	9.50
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.5	15.43
802.11ac VHT20_Nss1,(MCS0)_1TX	8.33	15.26
802.11ac VHT40_Nss1,(MCS0)_1TX	6.1	13.03
802.11ac VHT80_Nss1,(MCS0)_1TX	0.59	7.52

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

Result

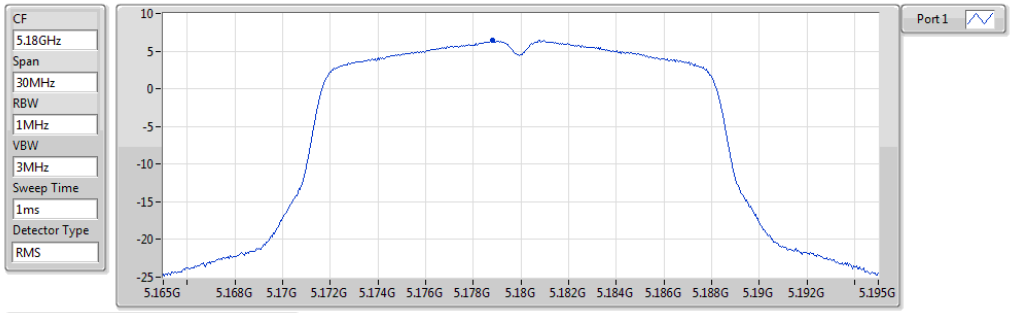
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	6.34	6.44	6.44	10.66	12.78	17.00
5200MHz	Pass	6.34	9.16	9.16	10.66	15.50	17.00
5240MHz	Pass	6.34	9.21	9.21	10.66	15.55	17.00
5260MHz	Pass	6.34	9.6	9.60	10.66	15.94	17.00
5300MHz	Pass	6.34	9.7	9.70	10.66	16.04	17.00
5320MHz	Pass	6.34	7.63	7.63	10.66	13.97	17.00
5500MHz	Pass	6.54	5.65	5.65	10.46	12.19	17.00
5580MHz	Pass	6.54	9.47	9.47	10.46	16.01	17.00
5700MHz	Pass	6.54	3.37	3.37	10.46	9.91	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.54	9.52	9.52	10.46	16.06	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	6.11	6.11	29.07	13.04	36.00
5745MHz	Pass	6.93	8.22	8.22	29.07	15.15	36.00
5785MHz	Pass	6.93	8.42	8.42	29.07	15.35	36.00
5825MHz	Pass	6.93	8.5	8.50	29.07	15.43	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	6.34	6.55	6.55	10.66	12.89	17.00
5200MHz	Pass	6.34	8.79	8.79	10.66	15.13	17.00
5240MHz	Pass	6.34	8.95	8.95	10.66	15.29	17.00
5260MHz	Pass	6.34	8.99	8.99	10.66	15.33	17.00
5300MHz	Pass	6.34	8.97	8.97	10.66	15.31	17.00
5320MHz	Pass	6.34	6.09	6.09	10.66	12.43	17.00
5500MHz	Pass	6.54	4.88	4.88	10.46	11.42	17.00
5580MHz	Pass	6.54	9.51	9.51	10.46	16.05	17.00
5700MHz	Pass	6.54	2.63	2.63	10.46	9.17	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.54	8.75	8.75	10.46	15.29	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	5.48	5.48	29.07	12.41	36.00
5745MHz	Pass	6.93	8.09	8.09	29.07	15.02	36.00
5785MHz	Pass	6.93	8.2	8.20	29.07	15.13	36.00
5825MHz	Pass	6.93	8.33	8.33	29.07	15.26	36.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	6.34	1.36	1.36	10.66	7.70	17.00
5230MHz	Pass	6.34	6.34	6.34	10.66	12.68	17.00
5270MHz	Pass	6.34	6.54	6.54	10.66	12.88	17.00
5310MHz	Pass	6.34	1.41	1.41	10.66	7.75	17.00
5510MHz	Pass	6.54	1.32	1.32	10.46	7.86	17.00
5590MHz	Pass	6.54	6.71	6.71	10.46	13.25	17.00
5670MHz	Pass	6.54	2.2	2.20	10.46	8.74	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.54	6.48	6.48	10.46	13.02	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.93	1.76	1.76	29.07	8.69	36.00
5755MHz	Pass	6.93	6.1	6.10	29.07	13.03	36.00
5795MHz	Pass	6.93	5.93	5.93	29.07	12.86	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	6.34	-3.07	-3.07	10.66	3.27	17.00
5290MHz	Pass	6.34	-2.89	-2.89	10.66	3.45	17.00
5530MHz	Pass	6.54	-2.32	-2.32	10.46	4.22	17.00
5610MHz	Pass	6.54	1	1.00	10.46	7.54	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.54	2.96	2.96	10.46	9.50	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.93	-1.66	-1.66	29.07	5.27	36.00
5775MHz	Pass	6.93	0.59	0.59	29.07	7.52	36.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density;
Port X = Port X power density;
For 5150 ~ 5250 MHz , Antenna gain is 6.34 dBi > 6 dBi, limit shall be reduced to 11 dBm – (6.34 dBi - 6 dBi) = 10.66 dBm
For 5250 ~ 5350 MHz , Antenna gain is 6.34 dBi > 6 dBi, limit shall be reduced to 11 dBm – (6.34 dBi - 6 dBi) = 10.66 dBm
For 5470 ~ 5725 MHz , Antenna gain is 6.54 dBi > 6 dBi, limit shall be reduced to 11 dBm – (6.54 dBi - 6 dBi) = 10.46 dBm
For 5725 ~ 5850 MHz , Antenna gain is 6.93 dBi > 6 dBi, limit shall be reduced to 30 dBm – (6.93 dBi - 6 dBi) = 29.07 dBm

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

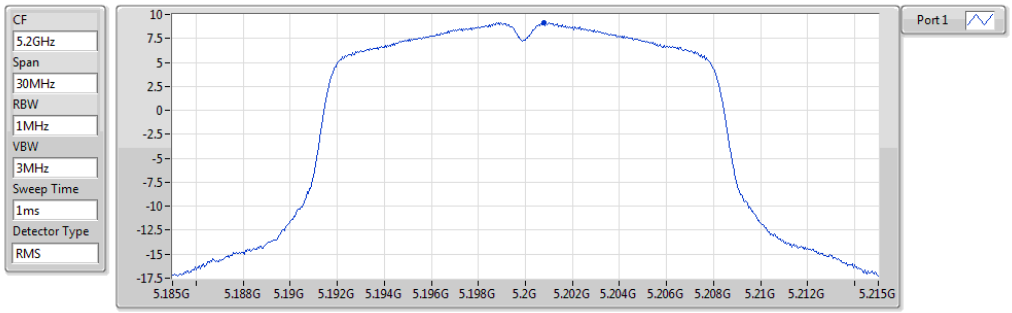
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.44	6.44	6.44

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

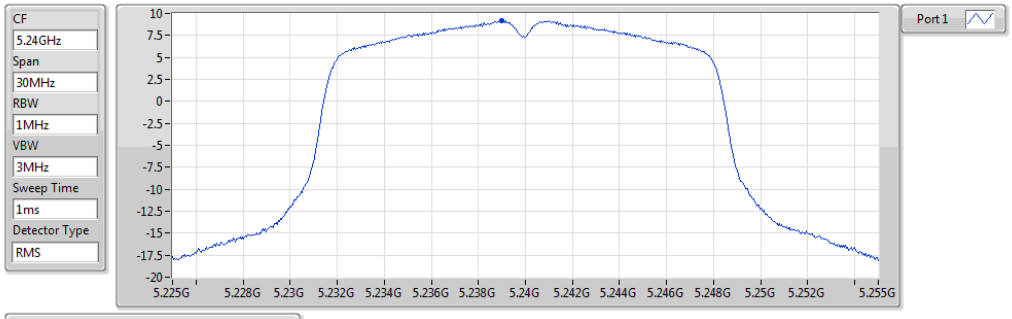
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	9.16

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

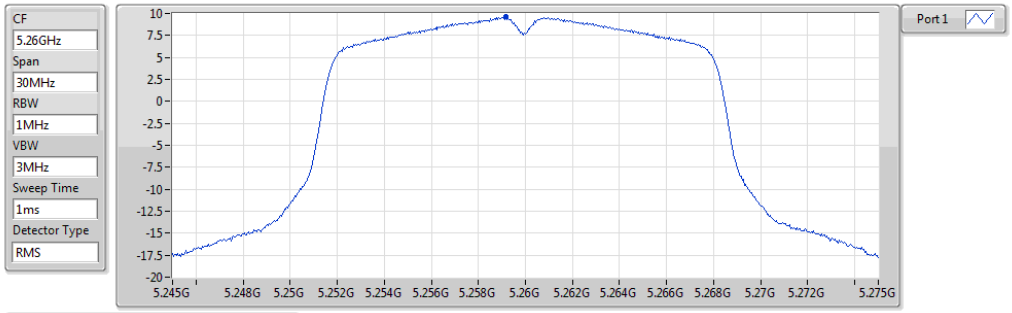
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.21	9.21	9.21

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

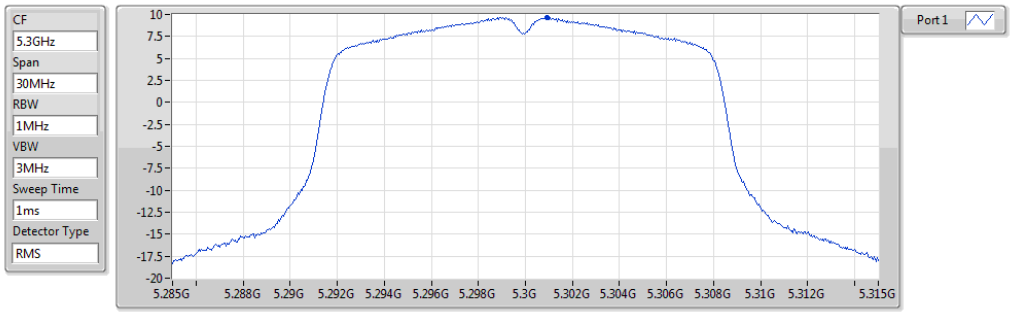
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	9.60

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

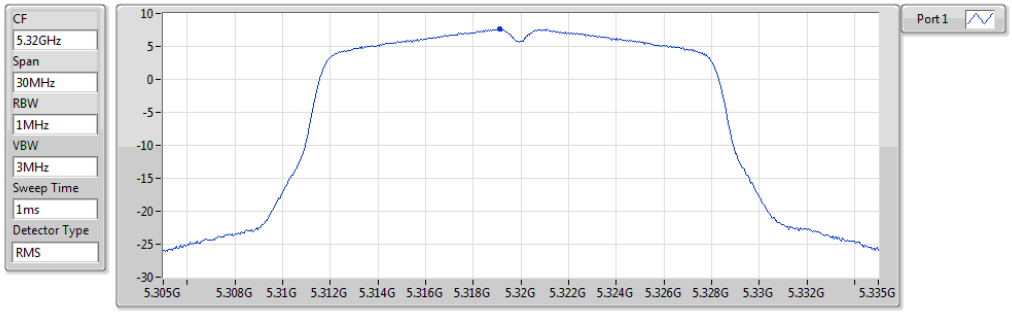
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.70	9.70	9.70

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

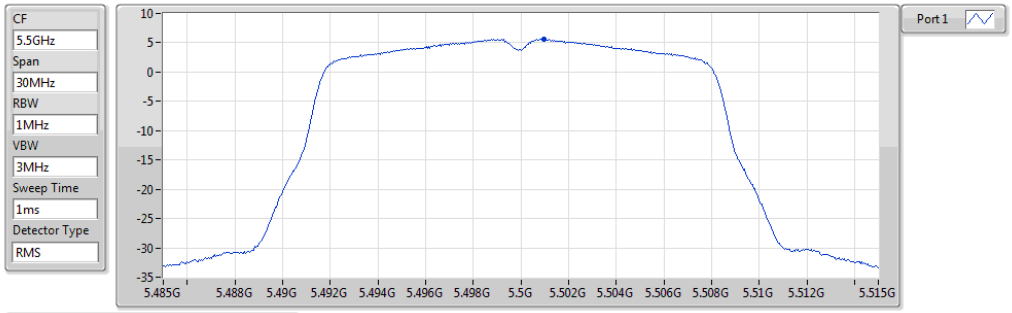
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.63	7.63	7.63

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

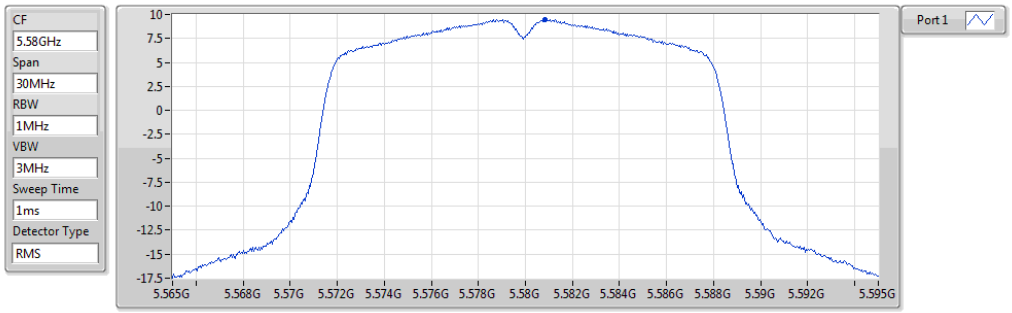
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.65	5.65	5.65

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

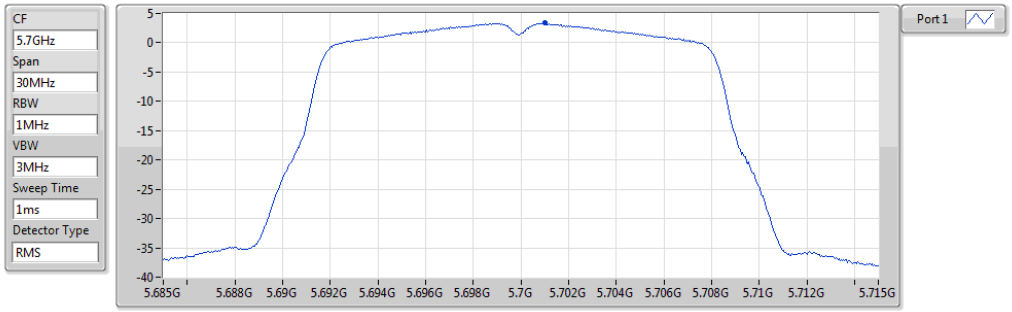
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	9.47

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

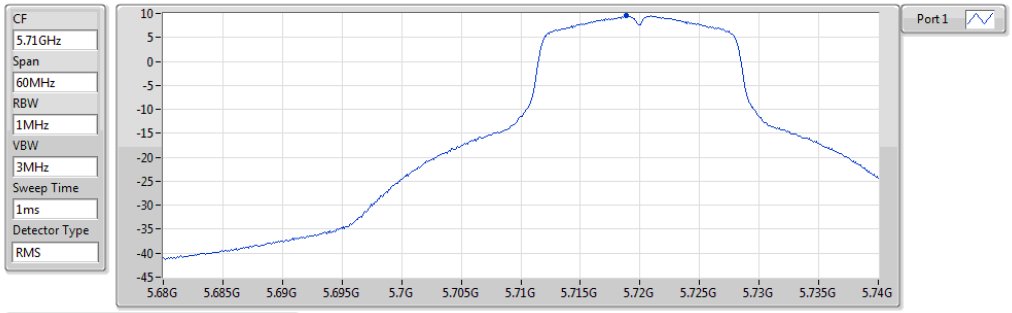
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.37	3.37	3.37

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

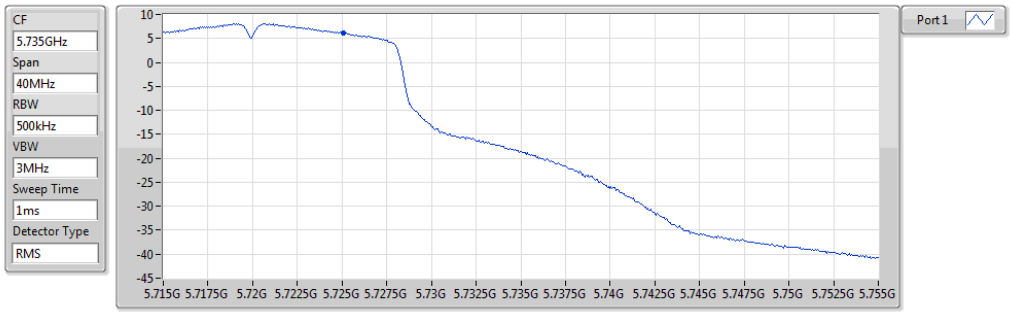
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	9.52

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

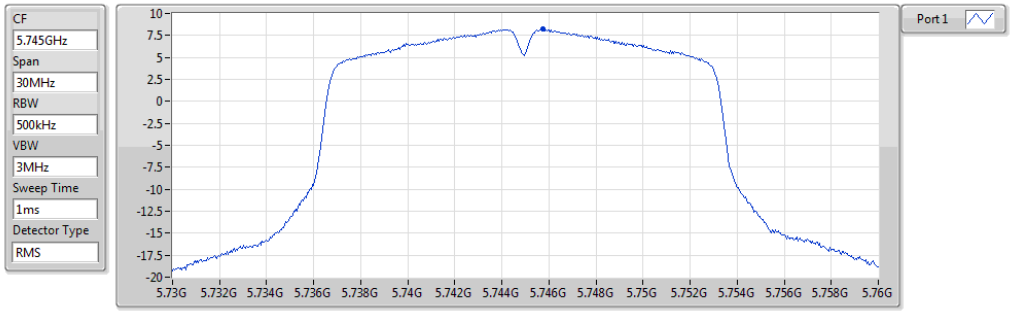
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11	6.11

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

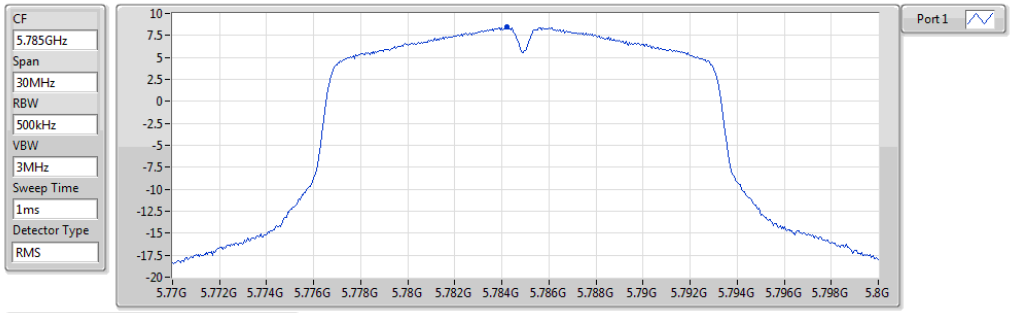
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	8.22

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

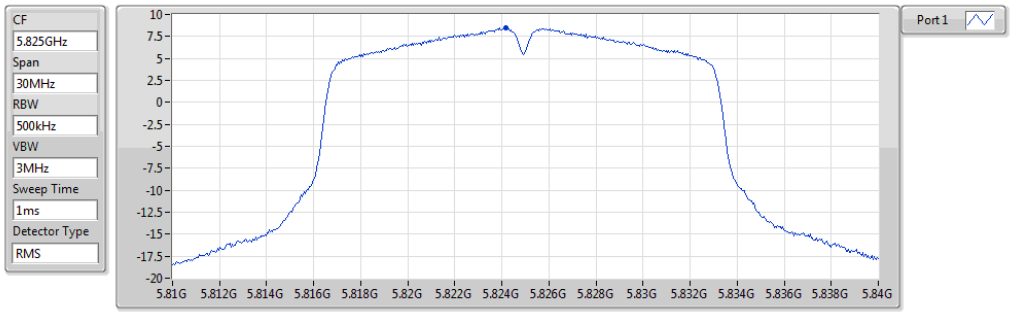
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	8.42

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

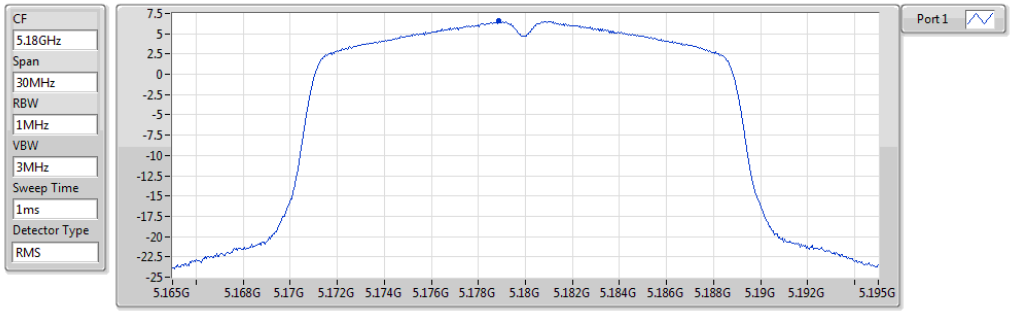
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.50	8.50	8.50

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

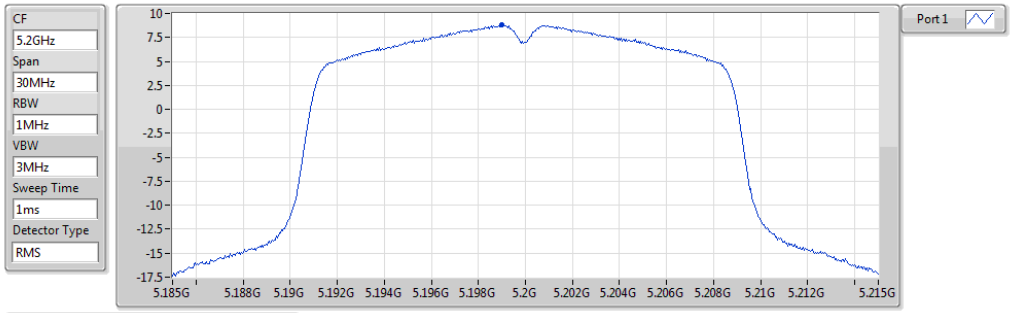
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.55	6.55	6.55

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

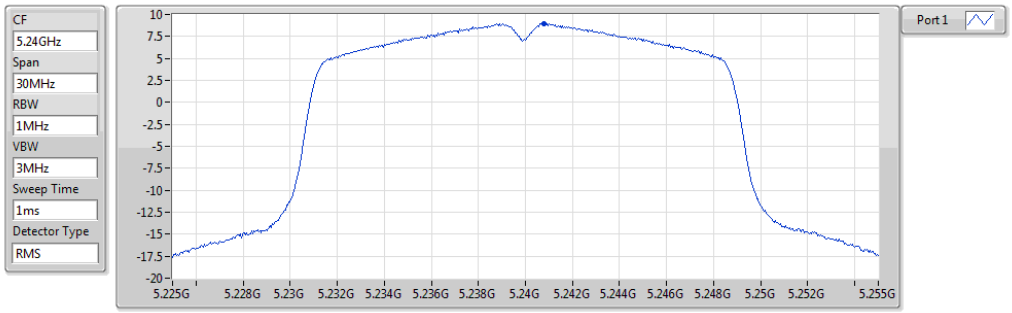
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.79	8.79	8.79

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

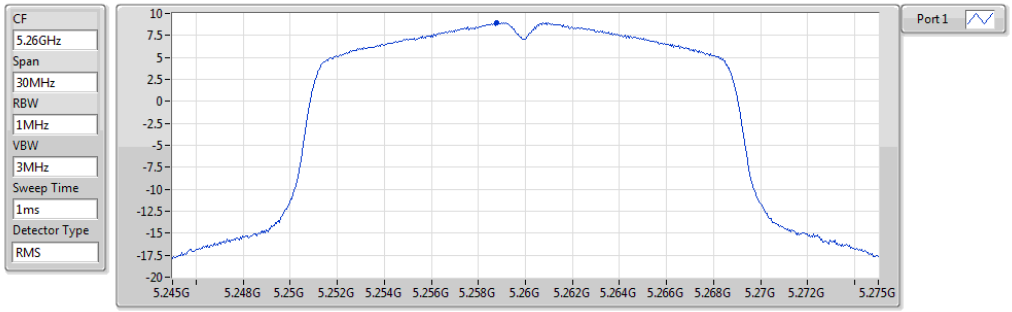
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	8.95

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

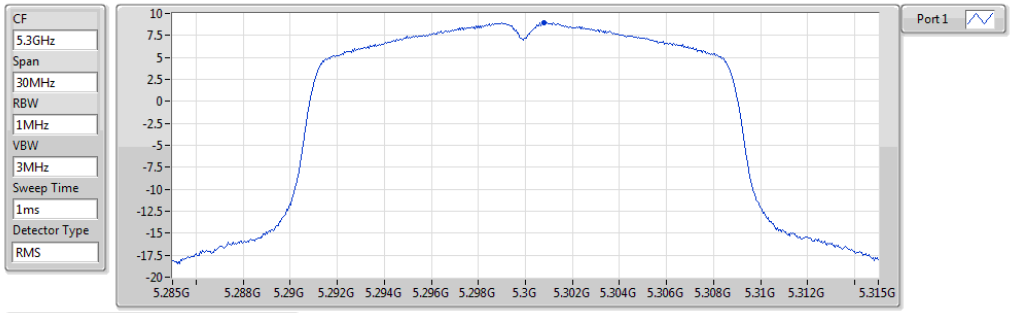
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	8.99

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

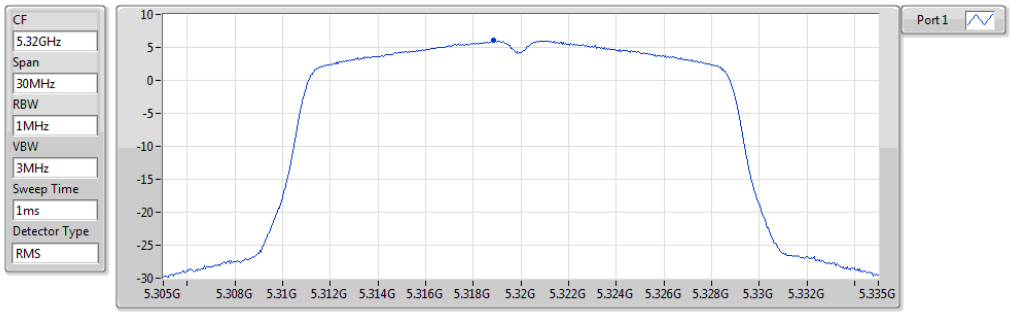
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.97	8.97	8.97

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

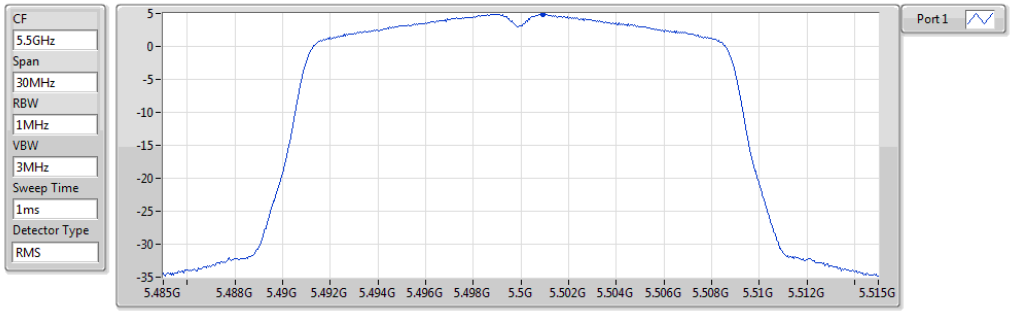
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.09	6.09	6.09

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

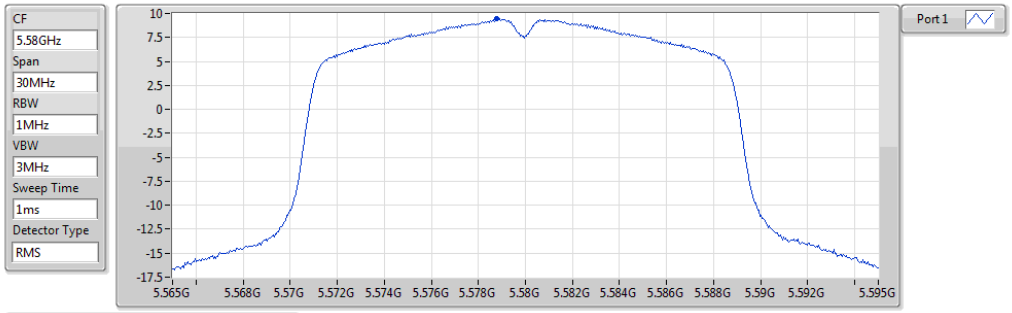
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.88	4.88	4.88

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

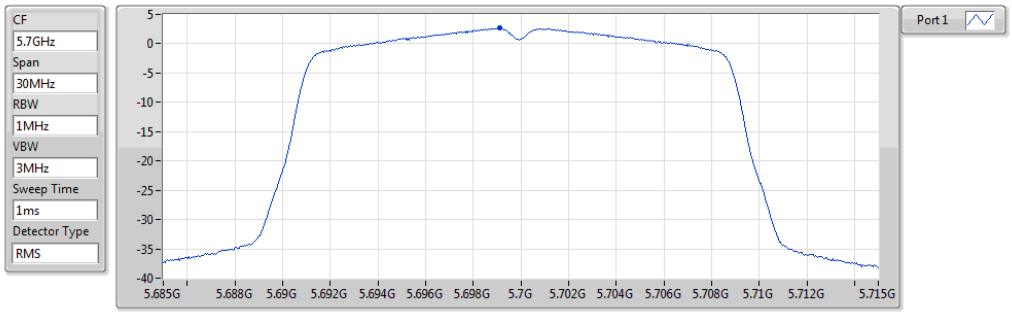
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.51	9.51	9.51

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

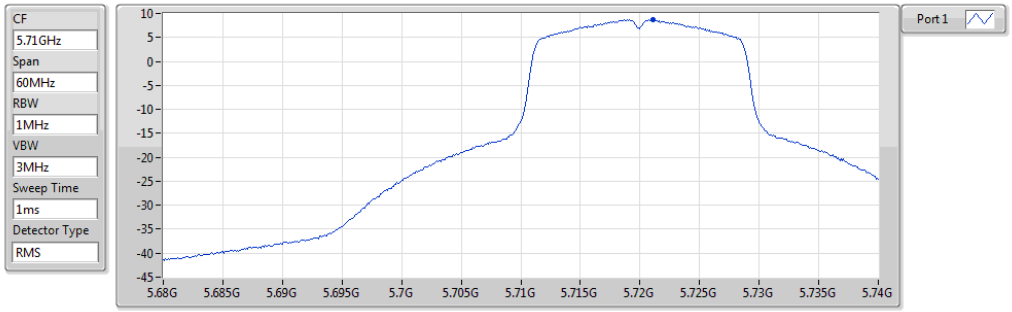
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.63	2.63	2.63

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

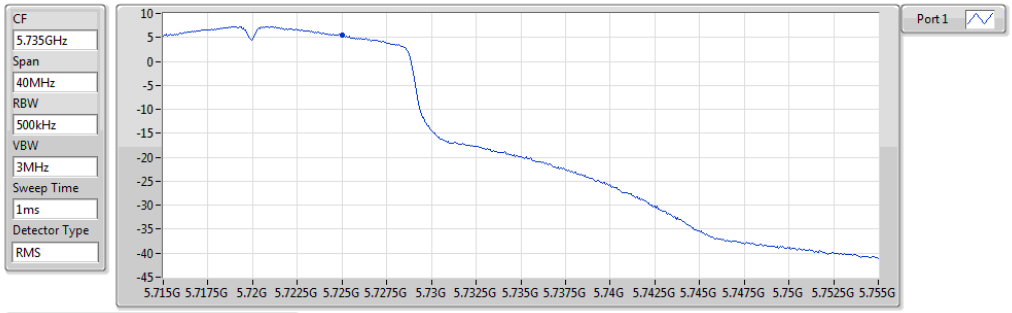
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.75	8.75	8.75

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

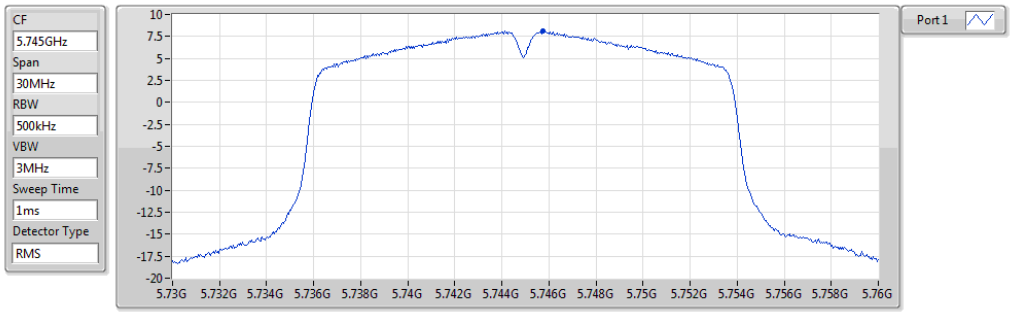
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.48	5.48	5.48

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

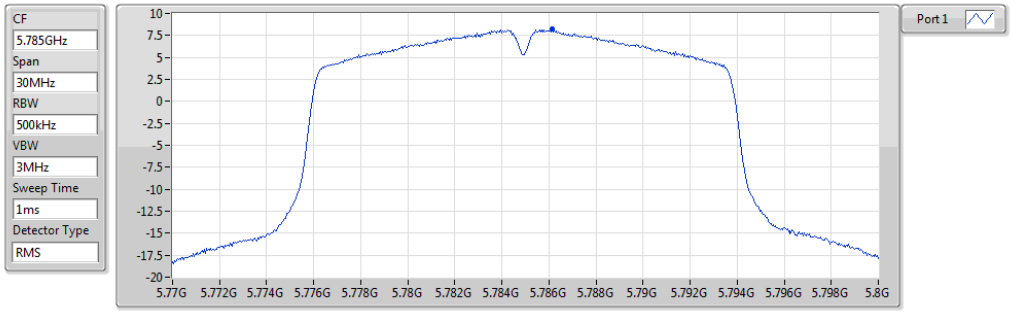
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	8.09

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

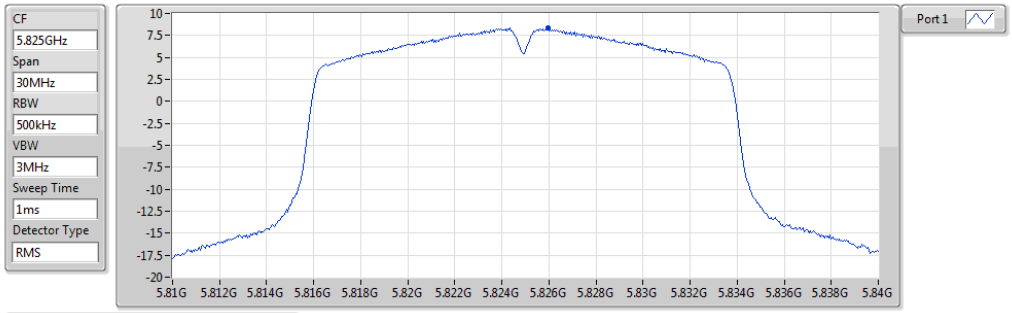
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.20	8.20	8.20

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

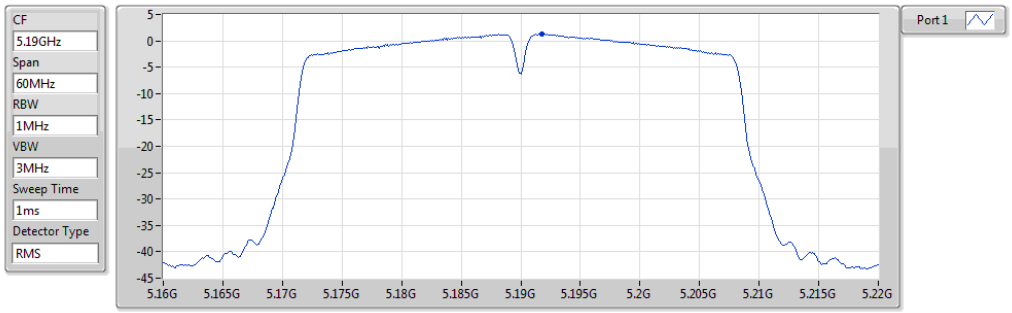
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.33	8.33	8.33

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

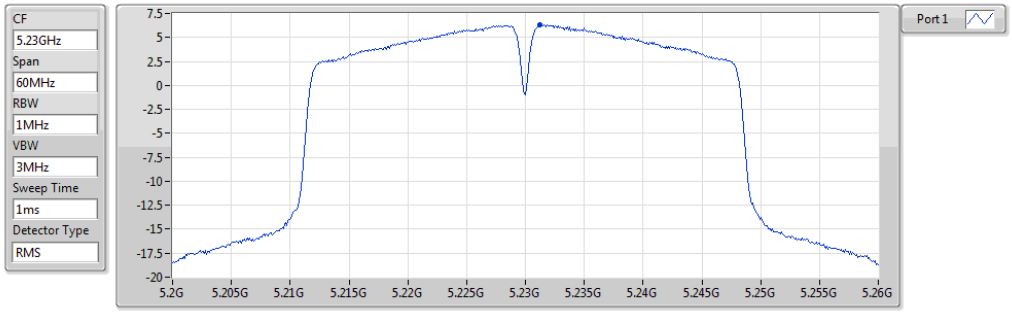
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.36	1.36	1.36

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

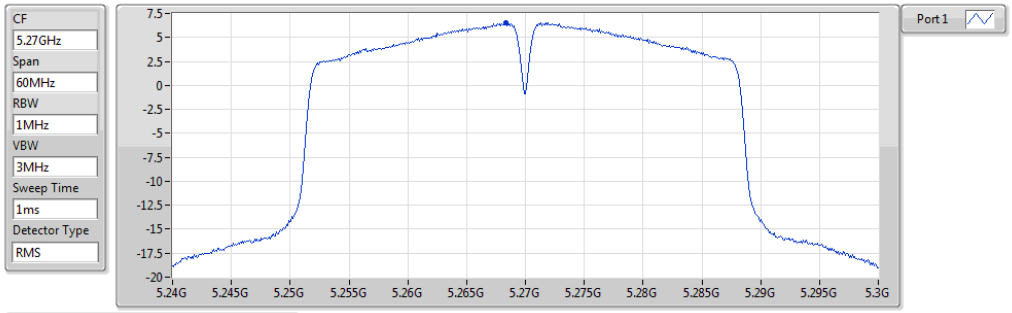
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.34	6.34	6.34

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

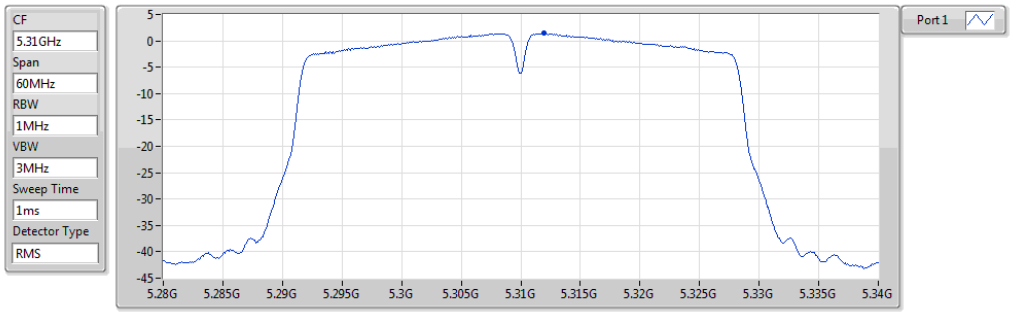
5270MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	6.54

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

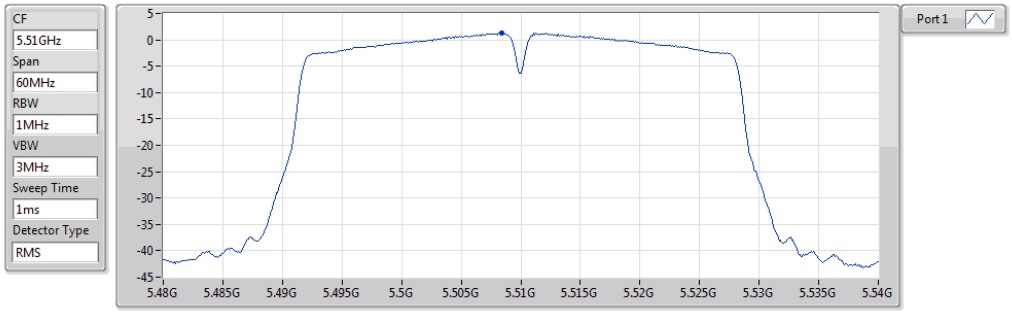
5310MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.41	1.41	1.41

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

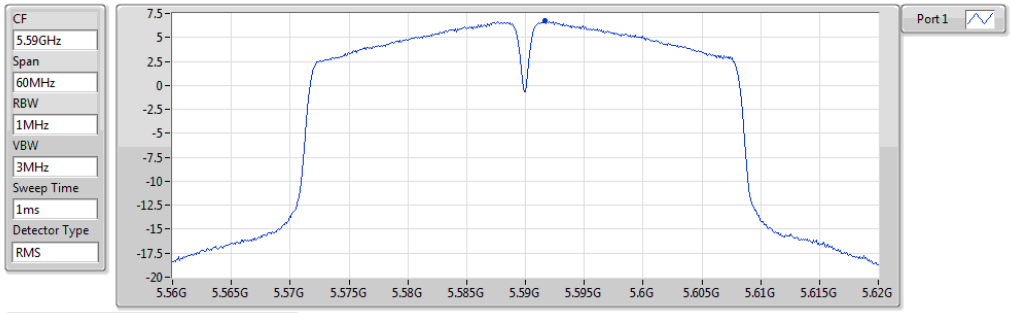
5510MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	1.32

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

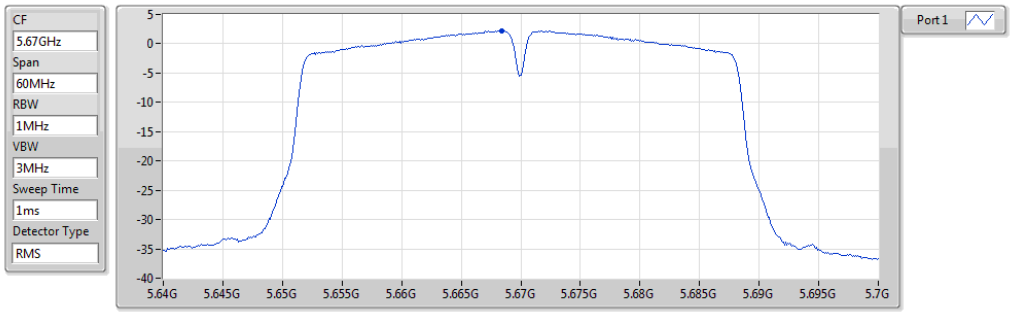
5590MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	6.71

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

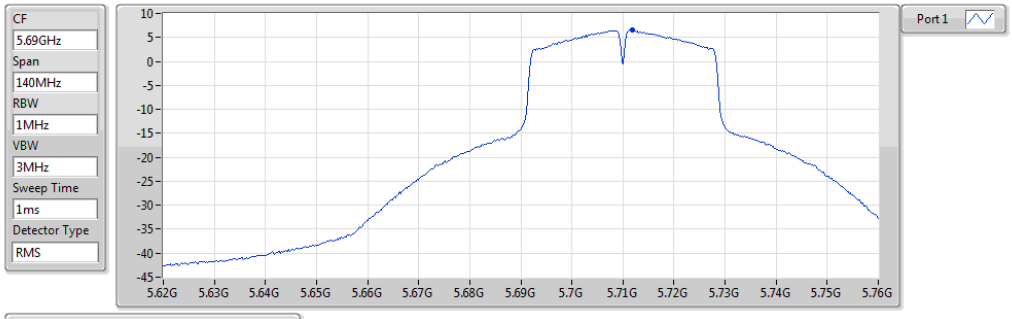
5670MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.20	2.20	2.20

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

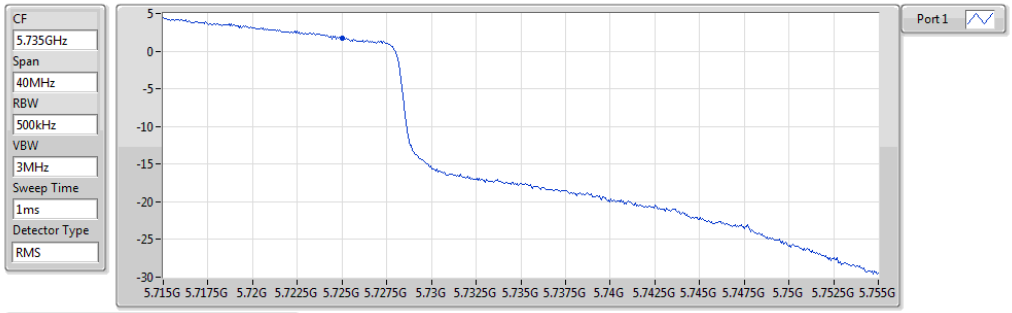
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.48	6.48	6.48

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

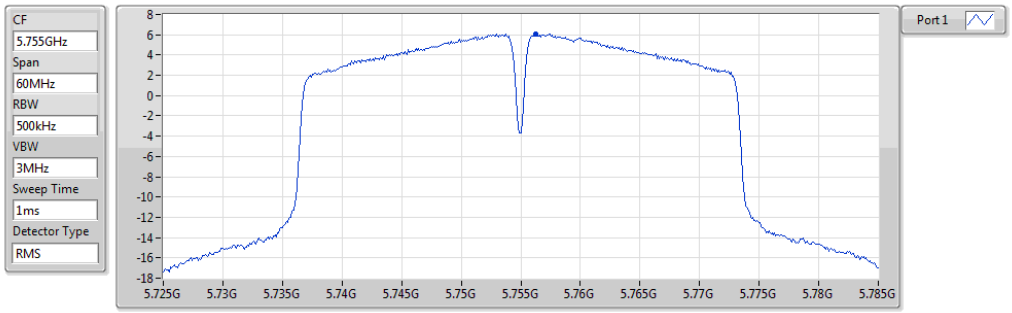
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.76	1.76	1.76

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

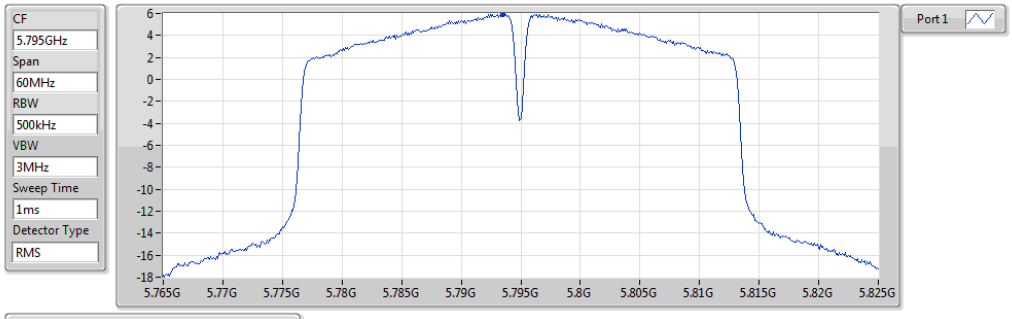
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.10	6.10	6.10

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

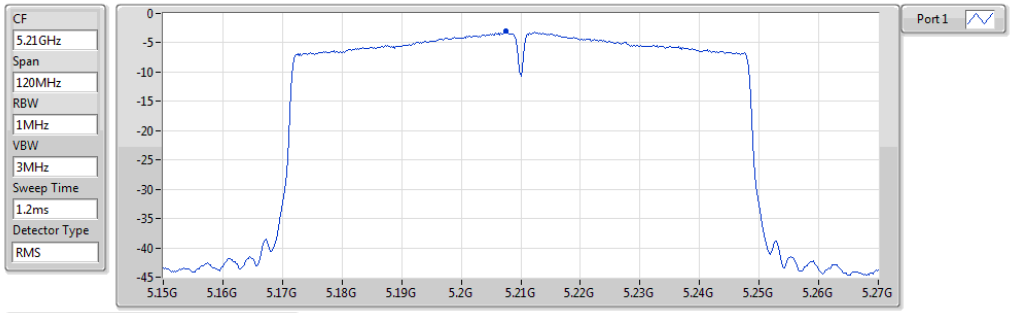
5795MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.93	5.93	5.93

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

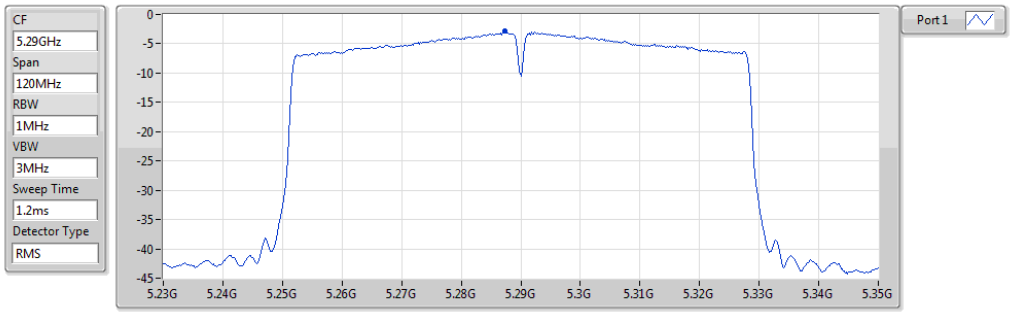
5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-3.07

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

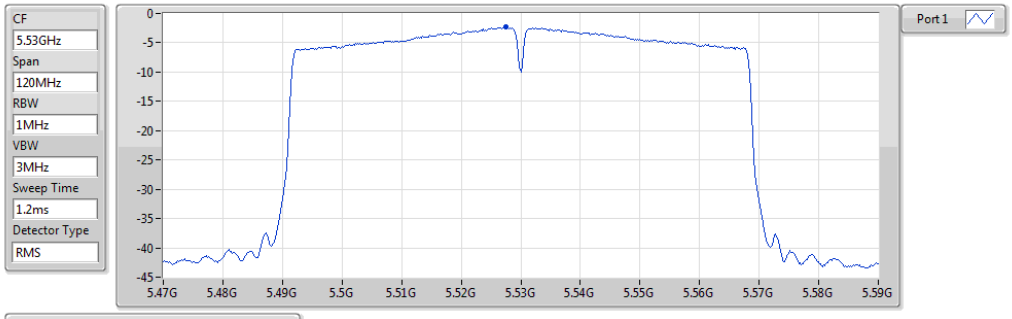
5290MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.89	-2.89	-2.89

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

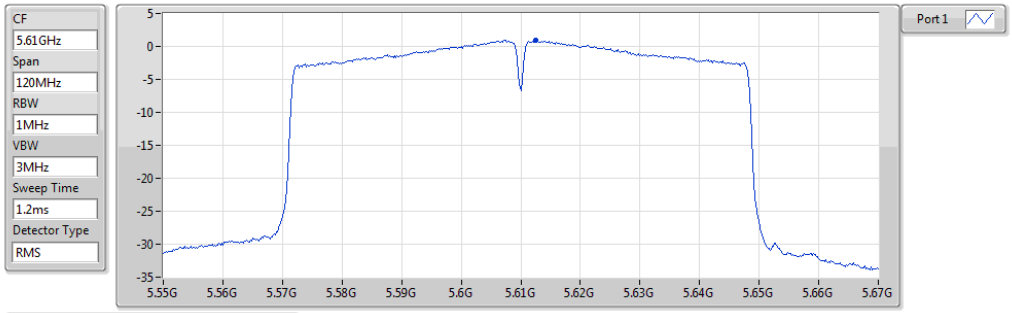
5530MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.32	-2.32	-2.32

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

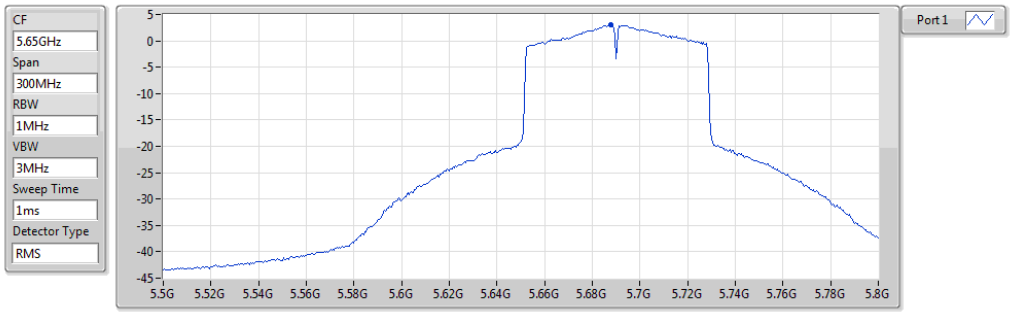
5610MHz



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

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

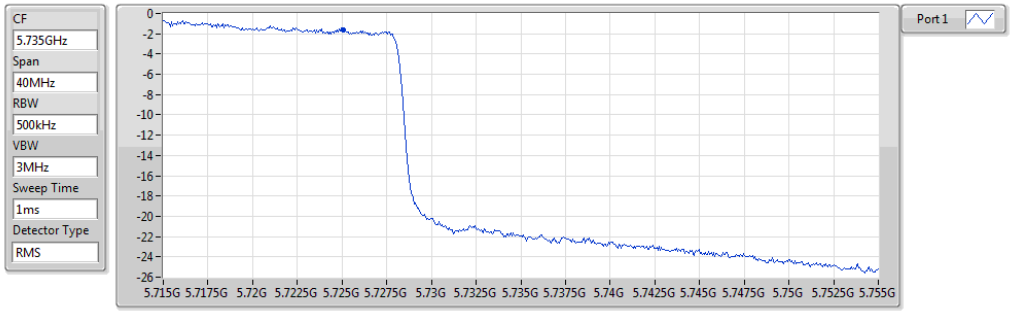
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	2.96

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

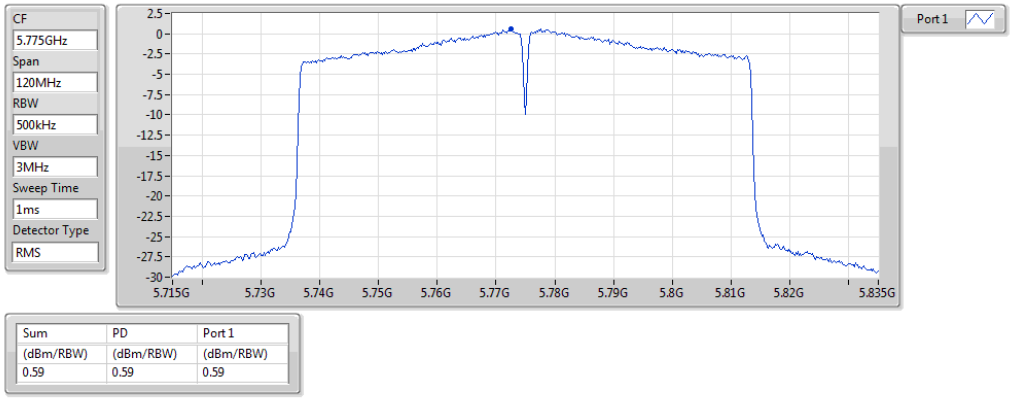
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.66	-1.66	-1.66

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

5775MHz



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

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

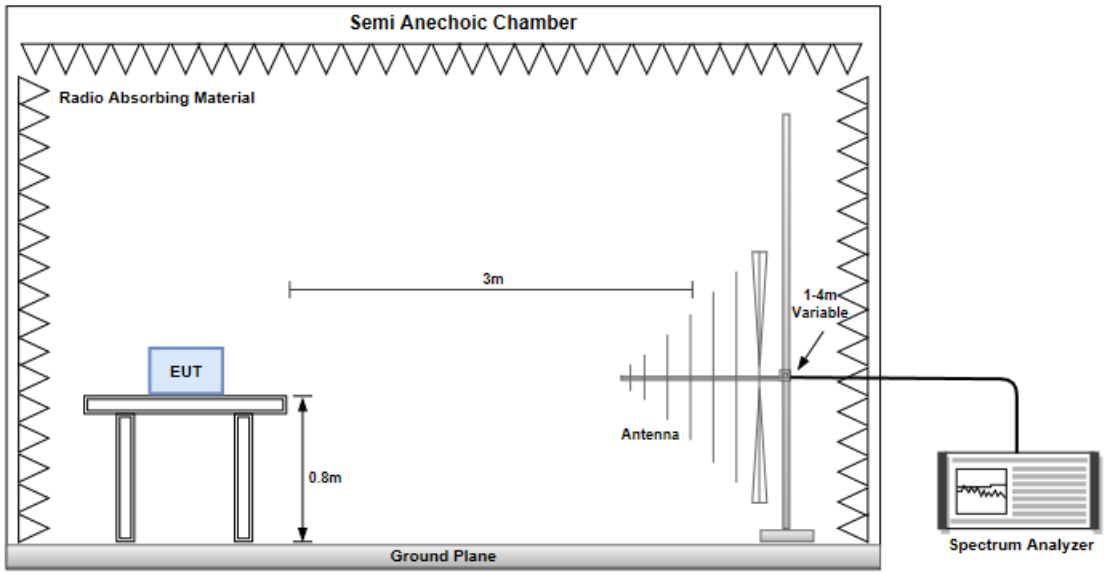
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

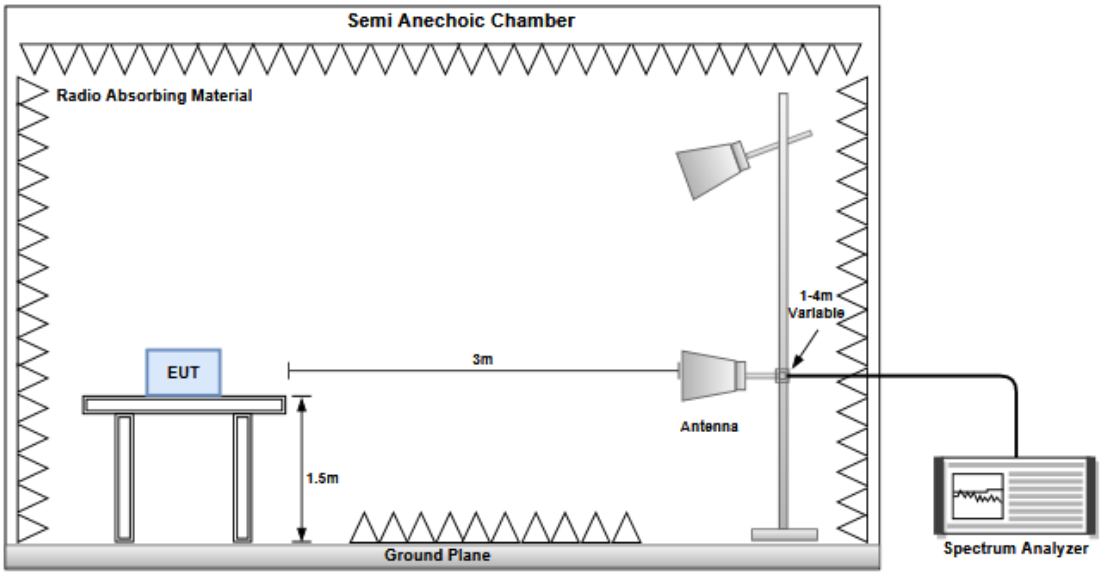
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz

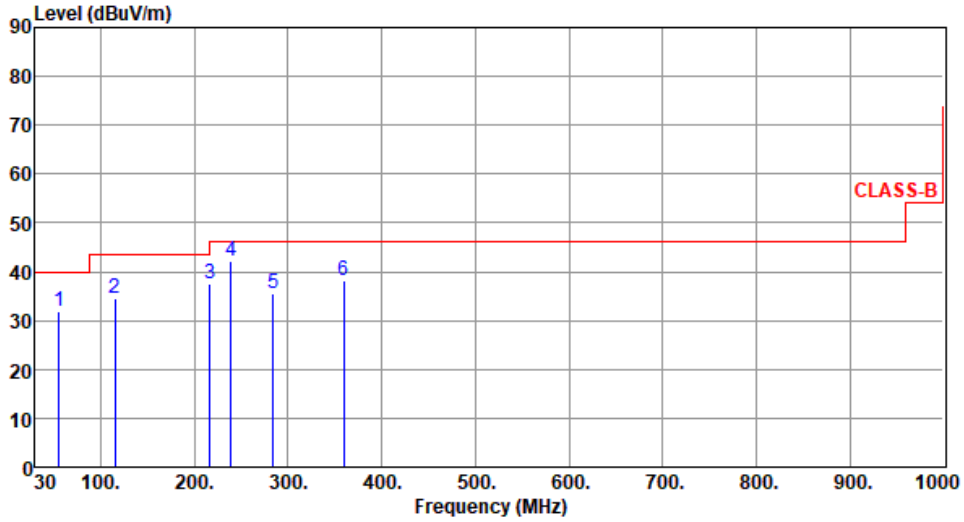


Test Configuration 1

3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

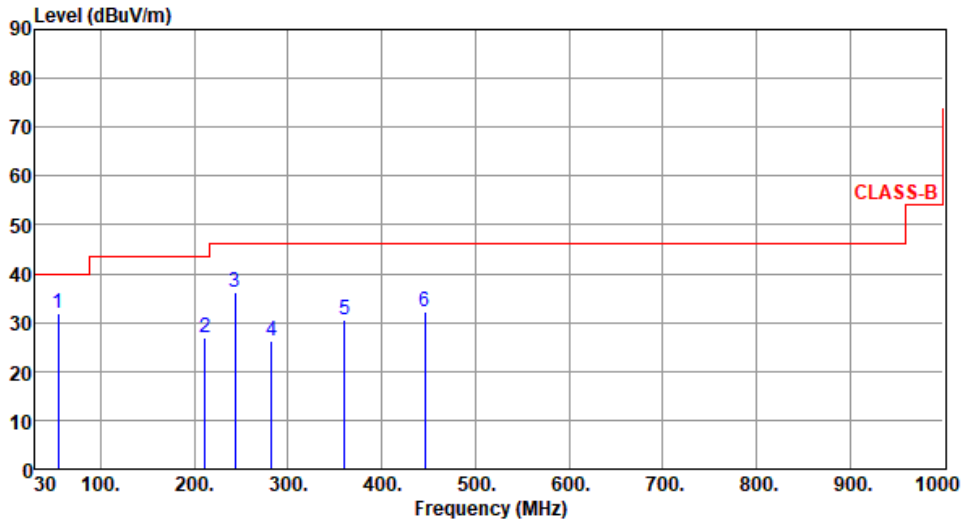


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	55.61	31.86	40.00	-8.14	40.85	-8.99	Peak	---	---
2	115.26	34.59	43.50	-8.91	45.71	-11.12	Peak	---	---
3	216.58	37.49	46.00	-8.51	49.43	-11.94	Peak	---	---
4	239.48	42.34	46.00	-3.66	52.78	-10.44	Peak	---	---
5	284.26	35.64	46.00	-10.36	44.22	-8.58	Peak	---	---
6	359.50	38.34	46.00	-7.66	45.02	-6.68	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

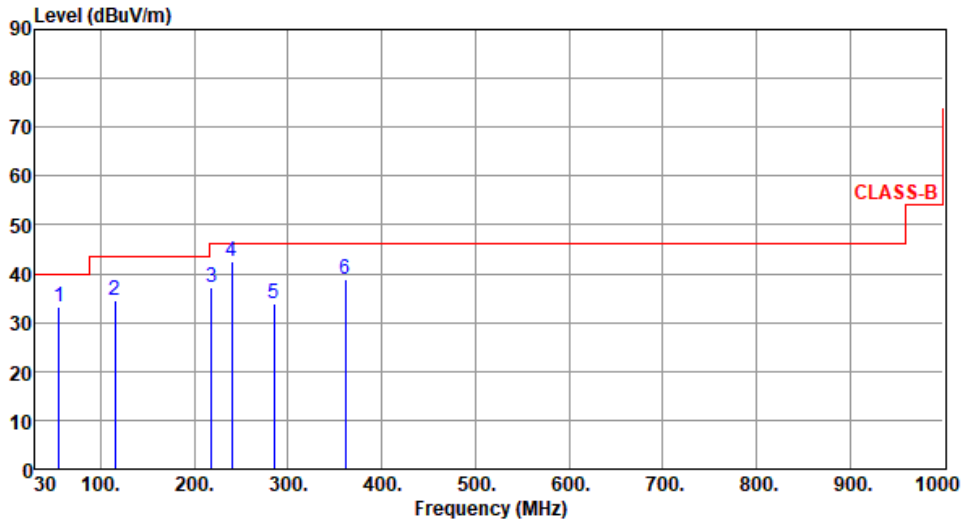


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	54.16	31.95	40.00	-8.05	40.93	-8.98	Peak	---	---
2	211.59	26.83	43.50	-16.67	38.78	-11.95	Peak	---	---
3	243.59	36.08	46.00	-9.92	46.32	-10.24	Peak	---	---
4	282.61	26.16	46.00	-19.84	34.78	-8.62	Peak	---	---
5	360.64	30.59	46.00	-15.41	37.24	-6.65	Peak	---	---
6	446.29	32.37	46.00	-13.63	36.70	-4.33	Peak	---	---

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

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

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

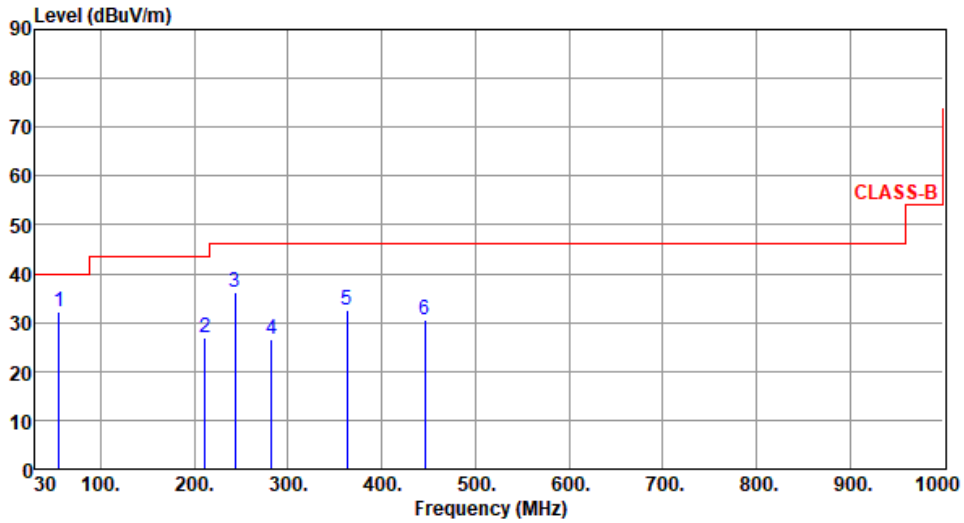


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	55.26	33.29	40.00	-6.71	42.28	-8.99	Peak	---	---
2	115.26	34.61	43.50	-8.89	45.73	-11.12	Peak	---	---
3	218.59	37.16	46.00	-8.84	49.10	-11.94	Peak	---	---
4	239.56	42.38	46.00	-3.62	52.81	-10.43	Peak	---	---
5	285.26	33.91	46.00	-12.09	42.47	-8.56	Peak	---	---
6	361.58	38.79	46.00	-7.21	45.42	-6.63	Peak	---	---

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

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

Test By :Brad Wu Temperature(℃):24 Humidity(%):65



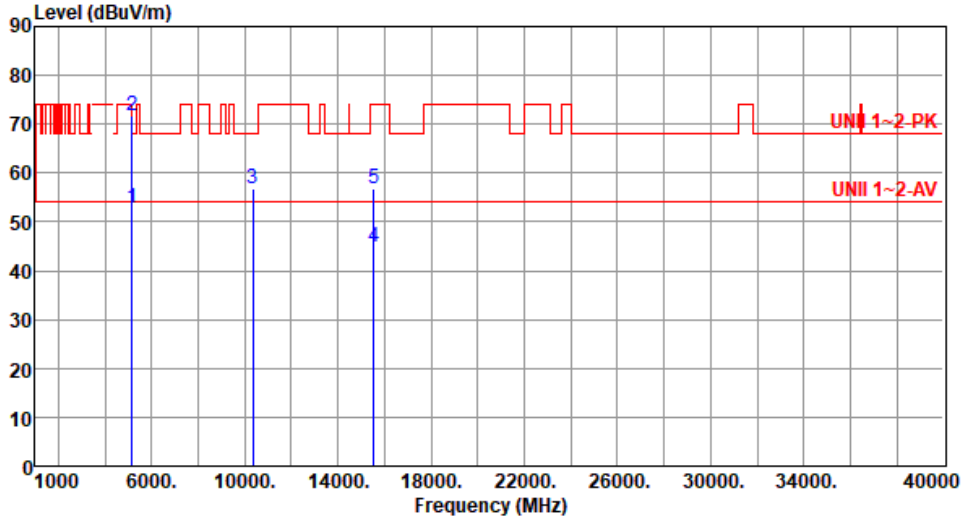
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	55.16	32.09	40.00	-7.91	41.08	-8.99	Peak	---	---
2	211.59	26.91	43.50	-16.59	38.86	-11.95	Peak	---	---
3	243.59	36.31	46.00	-9.69	46.55	-10.24	Peak	---	---
4	282.61	26.61	46.00	-19.39	35.23	-8.62	Peak	---	---
5	362.59	32.64	46.00	-13.36	39.25	-6.61	Peak	---	---
6	445.92	30.43	46.00	-15.57	34.77	-4.34	Peak	---	---

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

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

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

Test By :Akun Chung Temperature(°C):21 Humidity(%):68

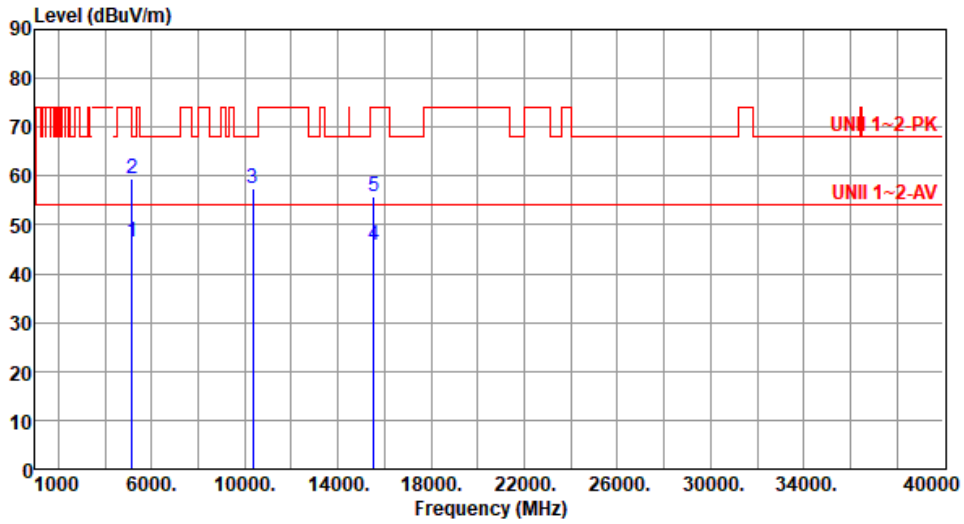


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.95	54.00	-1.05	47.94	5.01	Average	161	91
2	5150.00	71.72	74.00	-2.28	66.71	5.01	Peak	161	91
3	10360.00	56.80	68.20	-11.40	42.59	14.21	Peak	100	75
4	15540.00	44.91	54.00	-9.09	31.27	13.64	Average	100	65
5	15540.00	56.95	74.00	-17.05	43.31	13.64	Peak	100	65

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

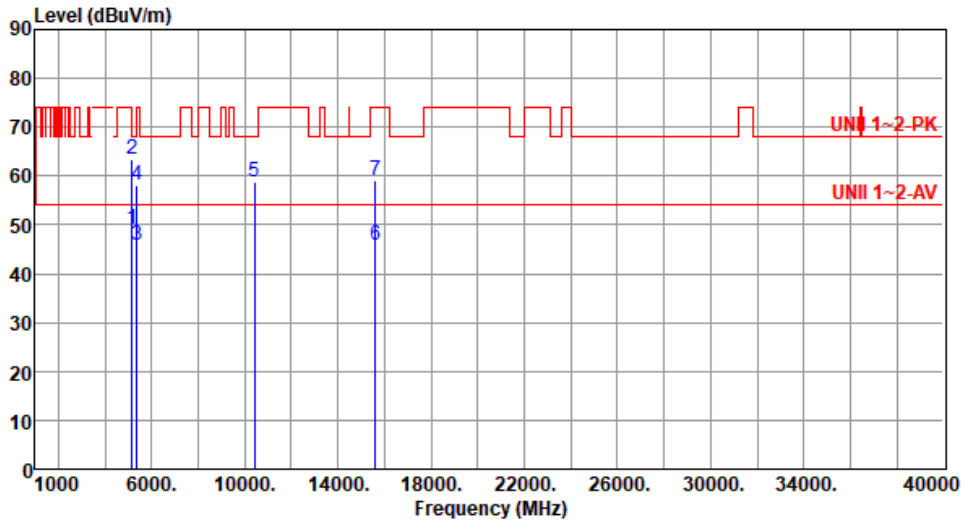


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.40	54.00	-7.60	41.39	5.01	Average	100	120
2	5150.00	59.60	74.00	-14.40	54.59	5.01	Peak	100	120
3	10360.00	57.43	68.20	-10.77	43.22	14.21	Peak	100	22
4	15540.00	45.95	54.00	-8.05	32.31	13.64	Average	100	43
5	15540.00	55.82	74.00	-18.18	42.18	13.64	Peak	100	43

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

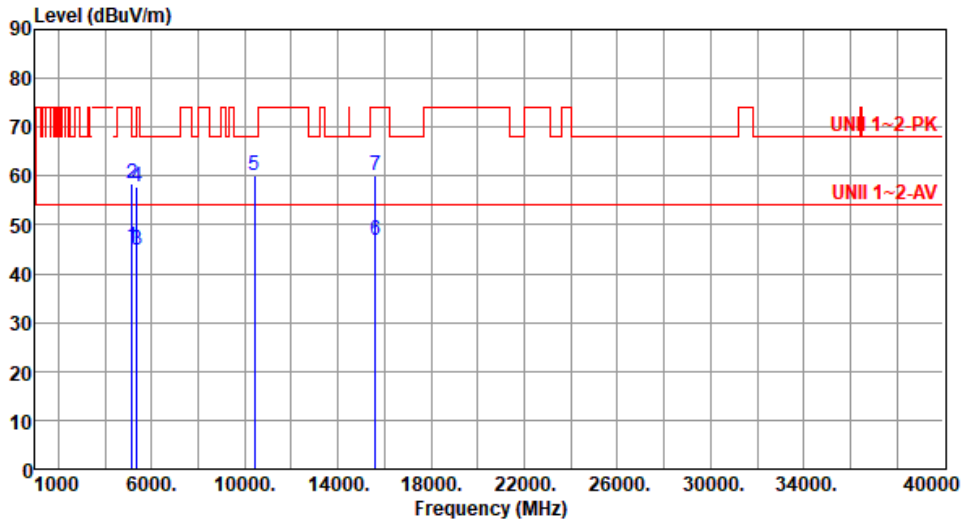


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	49.27	54.00	-4.73	44.26	5.01	Average	155	90
2	5150.00	63.60	74.00	-10.40	58.59	5.01	Peak	155	90
3	5350.00	45.97	54.00	-8.03	41.55	4.42	Average	155	90
4	5350.00	58.07	74.00	-15.93	53.65	4.42	Peak	155	90
5	10400.00	58.88	68.20	-9.32	44.55	14.33	Peak	100	88
6	15600.00	45.81	54.00	-8.19	32.48	13.33	Average	100	72
7	15600.00	59.18	74.00	-14.82	45.85	13.33	Peak	100	72

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

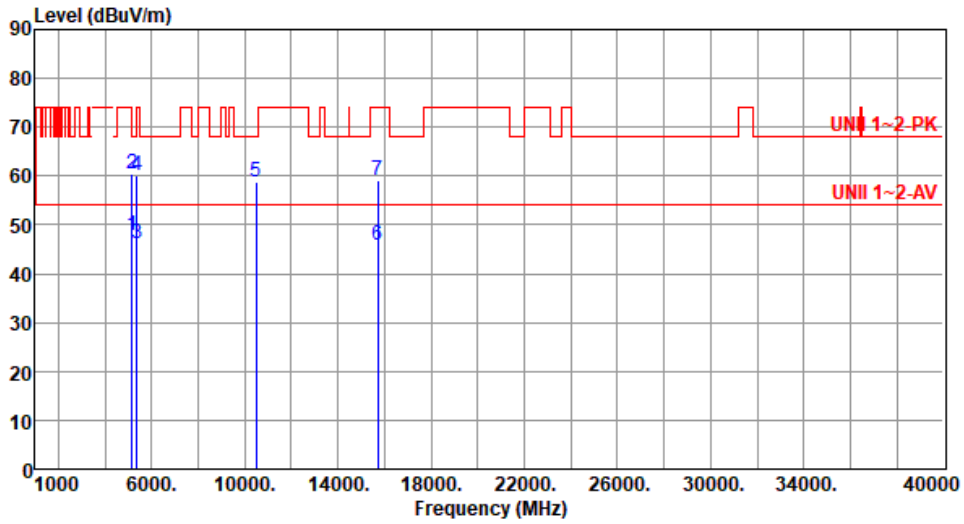


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.40	54.00	-8.60	40.39	5.01	Average	100	122
2	5150.00	58.50	74.00	-15.50	53.49	5.01	Peak	100	122
3	5350.00	44.73	54.00	-9.27	40.31	4.42	Average	100	122
4	5350.00	57.90	74.00	-16.10	53.48	4.42	Peak	100	122
5	10400.00	59.99	68.20	-8.21	45.66	14.33	Peak	100	93
6	15600.00	46.99	54.00	-7.01	33.66	13.33	Average	100	97
7	15600.00	60.18	74.00	-13.82	46.85	13.33	Peak	100	97

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

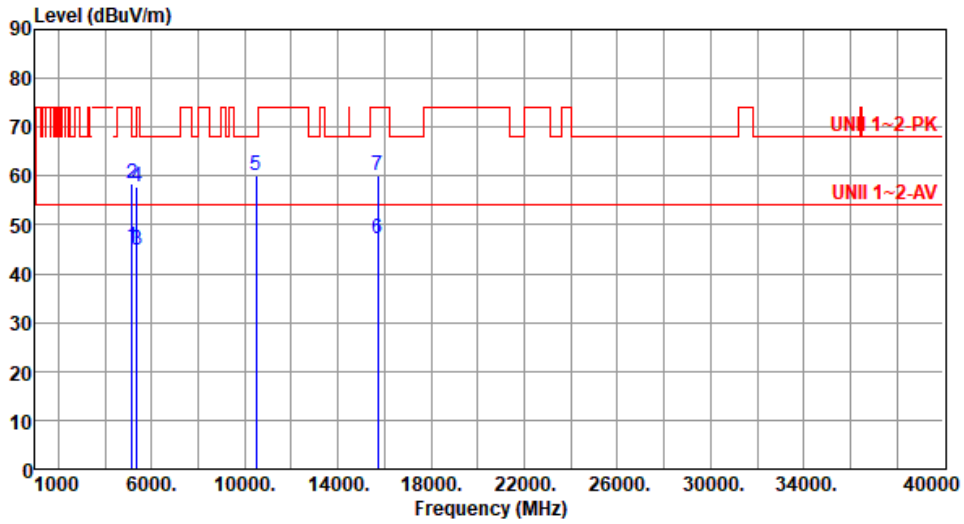


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.91	54.00	-6.09	42.90	5.01	Average	159	91
2	5150.00	60.57	74.00	-13.43	55.56	5.01	Peak	159	91
3	5350.00	46.08	54.00	-7.92	41.66	4.42	Average	159	91
4	5350.00	60.07	74.00	-13.93	55.65	4.42	Peak	159	91
5	10480.00	58.68	68.20	-9.52	44.22	14.46	Peak	100	95
6	15720.00	45.74	54.00	-8.26	32.32	13.42	Average	100	76
7	15720.00	59.14	74.00	-14.86	45.72	13.42	Peak	100	76

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

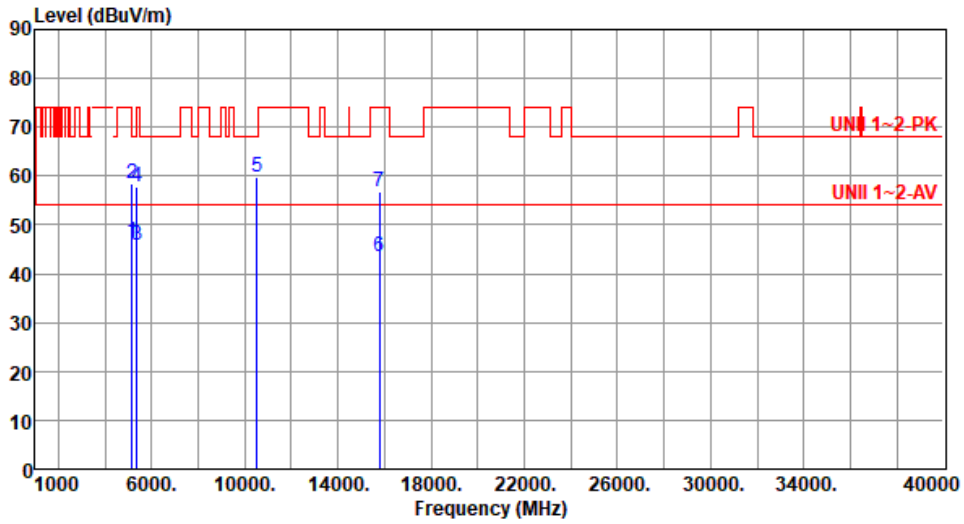


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.64	54.00	-8.36	40.63	5.01	Average	100	124
2	5150.00	58.43	74.00	-15.57	53.42	5.01	Peak	100	124
3	5350.00	44.73	54.00	-9.27	40.31	4.42	Average	100	124
4	5350.00	57.86	74.00	-16.14	53.44	4.42	Peak	100	124
5	10480.00	60.13	68.20	-8.07	45.67	14.46	Peak	100	96
6	15720.00	47.20	54.00	-6.80	33.78	13.42	Average	109	97
7	15720.00	60.28	74.00	-13.72	46.86	13.42	Peak	109	97

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

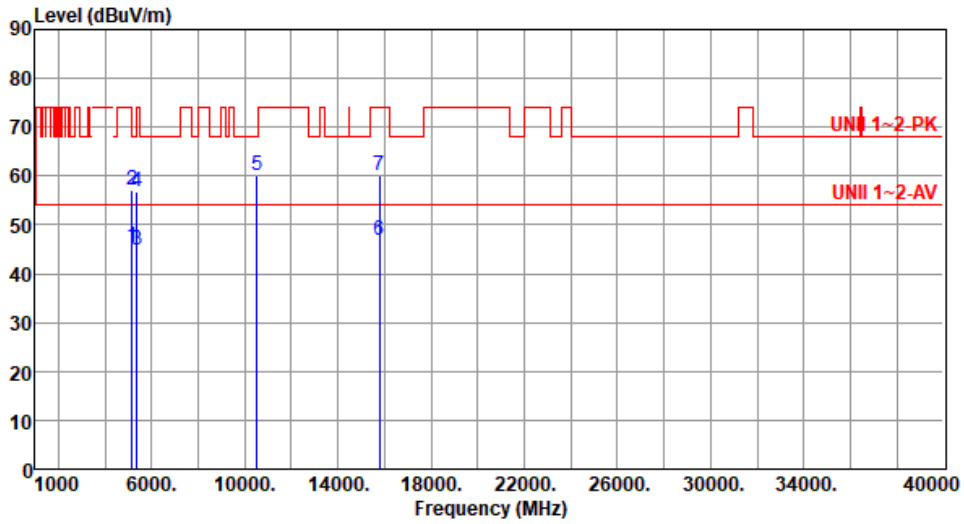


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.52	54.00	-7.48	41.51	5.01	Average	148	105
2	5150.00	58.56	74.00	-15.44	53.55	5.01	Peak	148	105
3	5350.00	45.89	54.00	-8.11	41.47	4.42	Average	148	105
4	5350.00	57.87	74.00	-16.13	53.45	4.42	Peak	148	105
5	10520.00	59.85	68.20	-8.35	45.38	14.47	Peak	100	143
6	15780.00	43.39	54.00	-10.61	29.91	13.48	Average	100	5
7	15780.00	56.62	74.00	-17.38	43.14	13.48	Peak	100	5

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

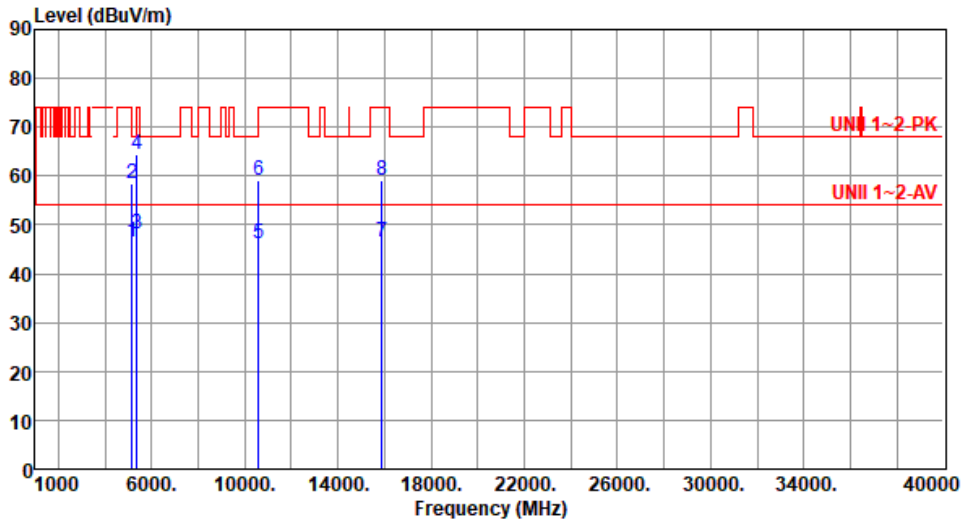


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.46	54.00	-8.54	40.45	5.01	Average	101	69
2	5150.00	57.27	74.00	-16.73	52.26	5.01	Peak	101	69
3	5350.00	44.78	54.00	-9.22	40.36	4.42	Average	101	69
4	5350.00	56.81	74.00	-17.19	52.39	4.42	Peak	101	69
5	10520.00	60.02	68.20	-8.18	45.55	14.47	Peak	100	99
6	15780.00	46.91	54.00	-7.09	33.43	13.48	Average	151	140
7	15780.00	60.02	74.00	-13.98	46.54	13.48	Peak	151	140

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

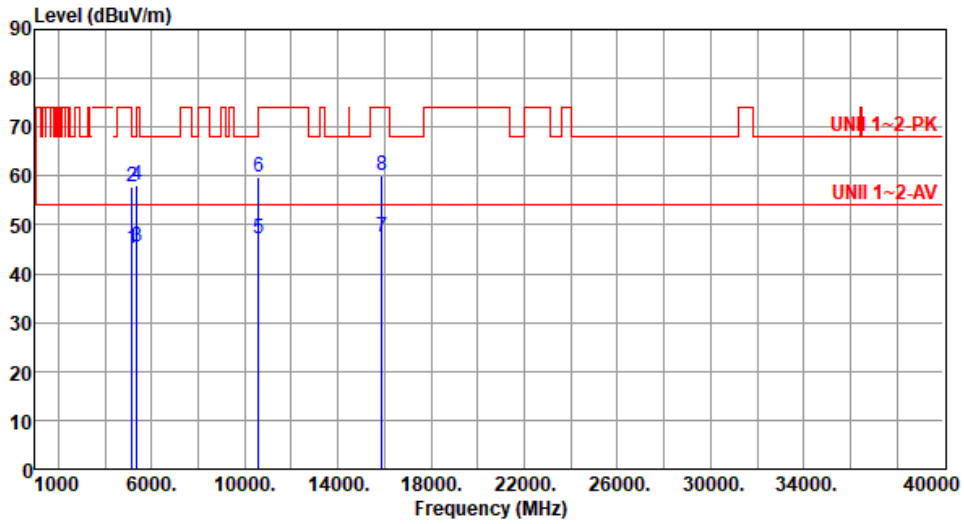


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.58	54.00	-7.42	41.57	5.01	Average	152	82
2	5150.00	58.56	74.00	-15.44	53.55	5.01	Peak	152	82
3	5350.00	48.22	54.00	-5.78	43.80	4.42	Average	152	82
4	5350.00	64.31	74.00	-9.69	59.89	4.42	Peak	152	82
5	10600.00	46.12	54.00	-7.88	31.77	14.35	Average	100	79
6	10600.00	59.20	74.00	-14.80	44.85	14.35	Peak	100	79
7	15900.00	46.53	54.00	-7.47	32.96	13.57	Average	100	73
8	15900.00	59.04	74.00	-14.96	45.47	13.57	Peak	100	73

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

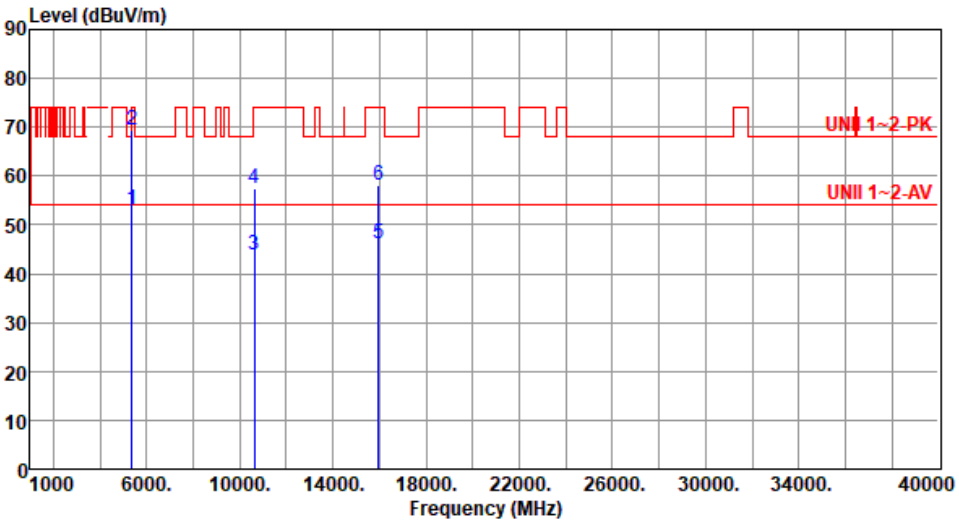


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.10	54.00	-8.90	40.09	5.01	Average	100	65
2	5150.00	57.87	74.00	-16.13	52.86	5.01	Peak	100	65
3	5350.00	45.63	54.00	-8.37	41.21	4.42	Average	100	65
4	5350.00	57.96	74.00	-16.04	53.54	4.42	Peak	100	65
5	10600.00	47.13	54.00	-6.87	32.78	14.35	Average	100	89
6	10600.00	59.93	74.00	-14.07	45.58	14.35	Peak	100	89
7	15900.00	47.34	54.00	-6.66	33.77	13.57	Average	100	93
8	15900.00	59.97	74.00	-14.03	46.40	13.57	Peak	100	93

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

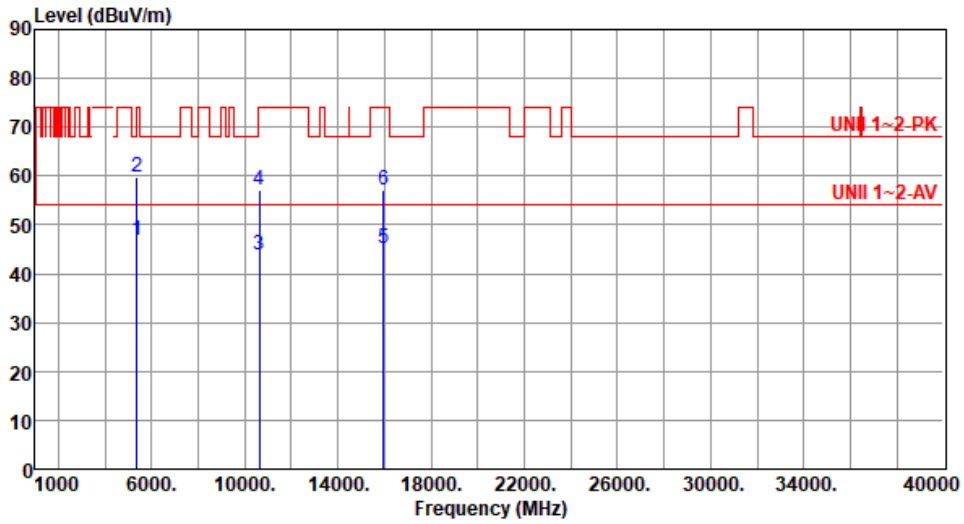


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	52.98	54.00	-1.02	48.56	4.42	Average	144	82
2	5350.00	69.41	74.00	-4.59	64.99	4.42	Peak	144	82
3	10640.00	43.79	54.00	-10.21	29.42	14.37	Average	100	75
4	10640.00	57.58	74.00	-16.42	43.21	14.37	Peak	100	75
5	15960.00	46.10	54.00	-7.90	32.42	13.68	Average	100	70
6	15960.00	57.99	74.00	-16.01	44.31	13.68	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

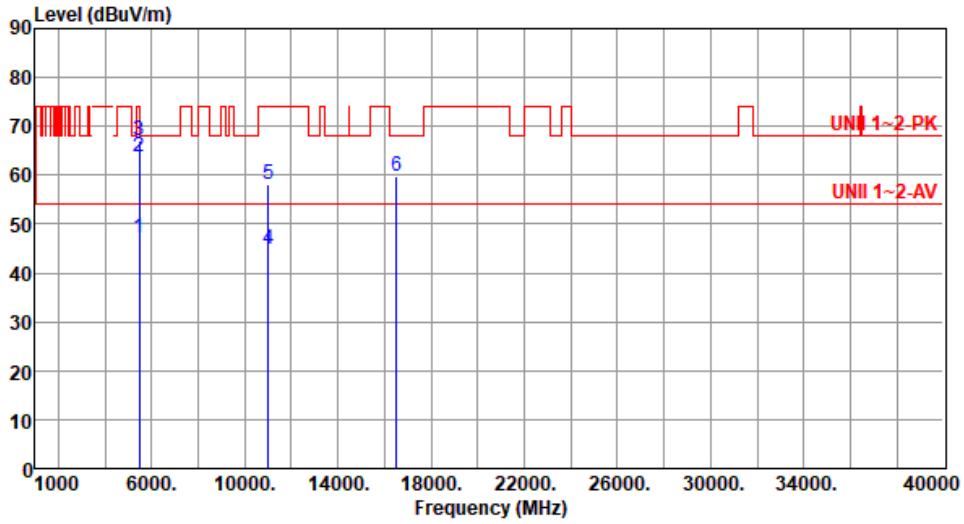


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.88	54.00	-7.12	42.46	4.42	Average	100	67
2	5350.00	59.85	74.00	-14.15	55.43	4.42	Peak	100	67
3	10640.00	43.93	54.00	-10.07	29.56	14.37	Average	100	55
4	10640.00	57.15	74.00	-16.85	42.78	14.37	Peak	100	55
5	15960.00	45.11	54.00	-8.89	31.43	13.68	Average	100	26
6	15960.00	57.06	74.00	-16.94	43.38	13.68	Peak	100	26

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

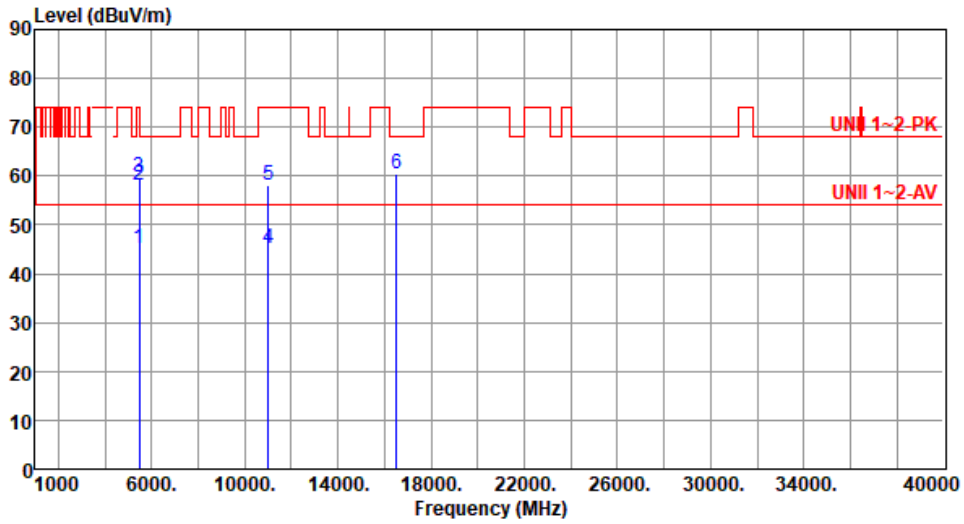


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.23	54.00	-6.77	42.56	4.67	Average	179	80
2	5460.00	63.68	74.00	-10.32	59.01	4.67	Peak	179	80
3	5470.00	67.11	68.20	-1.09	62.41	4.70	Peak	179	80
4	11000.00	44.86	54.00	-9.14	30.21	14.65	Average	100	68
5	11000.00	58.10	74.00	-15.90	43.45	14.65	Peak	100	68
6	16500.00	59.85	68.20	-8.35	43.51	16.34	Peak	100	69

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

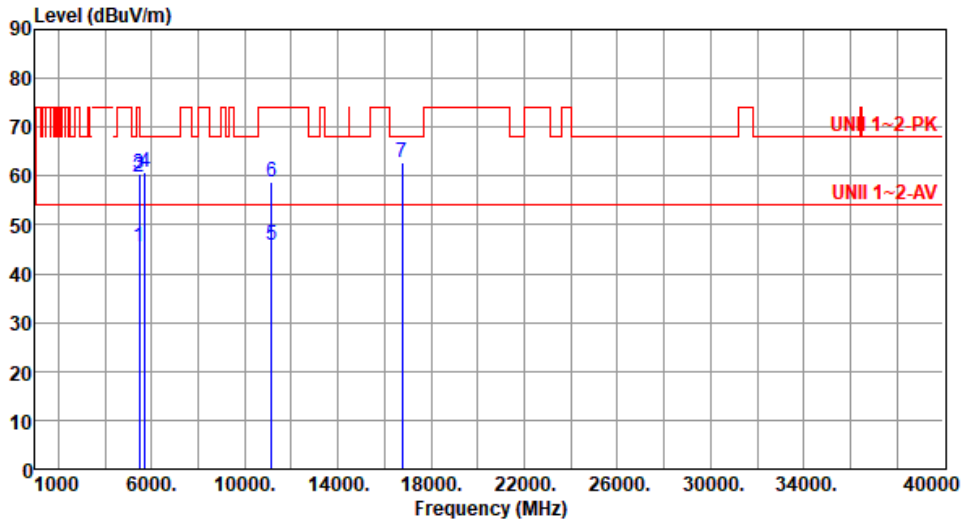


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.20	54.00	-8.80	40.53	4.67	Average	100	61
2	5460.00	58.23	74.00	-15.77	53.56	4.67	Peak	100	61
3	5470.00	59.86	68.20	-8.34	55.16	4.70	Peak	100	61
4	11000.00	45.27	54.00	-8.73	30.62	14.65	Average	100	125
5	11000.00	58.08	74.00	-15.92	43.43	14.65	Peak	100	125
6	16500.00	60.30	68.20	-7.90	43.96	16.34	Peak	100	95

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

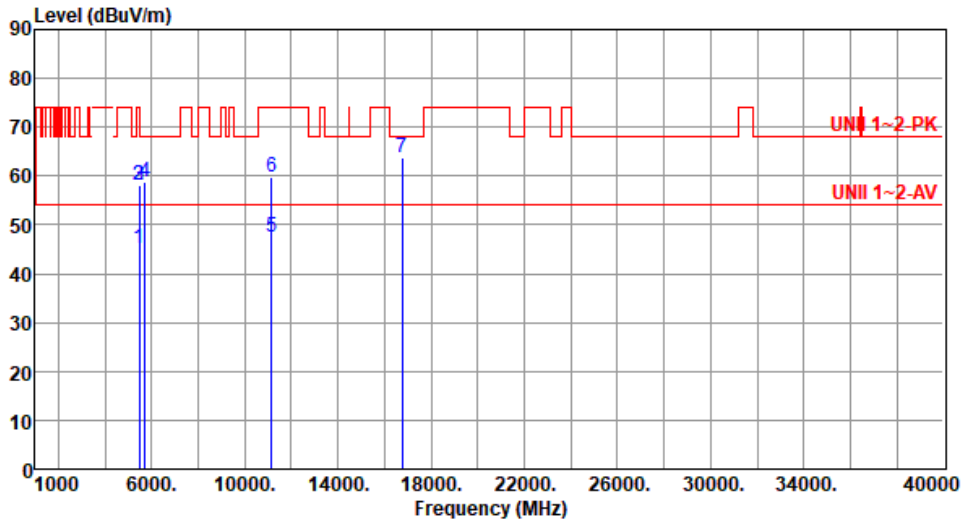


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.48	54.00	-8.52	40.81	4.67	Average	178	68
2	5460.00	59.93	74.00	-14.07	55.26	4.67	Peak	178	68
3	5470.00	60.36	68.20	-7.84	55.66	4.70	Peak	178	68
4	5725.00	60.77	68.20	-7.43	55.60	5.17	Peak	178	68
5	11160.00	45.85	54.00	-8.15	31.88	13.97	Average	100	75
6	11160.00	58.76	74.00	-15.24	44.79	13.97	Peak	100	75
7	16740.00	62.91	68.20	-5.29	45.74	17.17	Peak	100	73

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

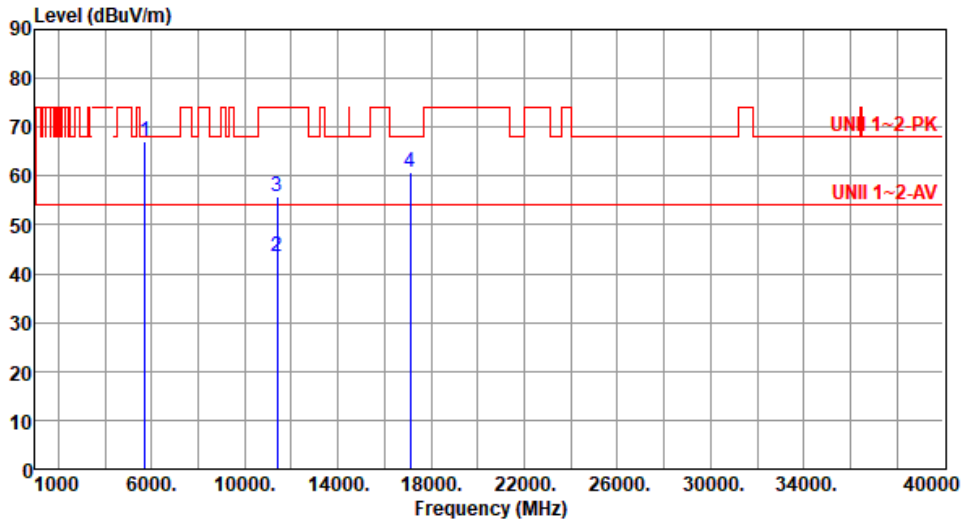


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.21	54.00	-8.79	40.54	4.67	Average	100	76
2	5460.00	57.96	74.00	-16.04	53.29	4.67	Peak	100	76
3	5470.00	58.09	68.20	-10.11	53.39	4.70	Peak	100	76
4	5725.00	58.65	68.20	-9.55	53.48	5.17	Peak	100	76
5	11160.00	47.64	54.00	-6.36	33.67	13.97	Average	191	127
6	11160.00	59.85	74.00	-14.15	45.88	13.97	Peak	191	127
7	16740.00	63.75	68.20	-4.45	46.58	17.17	Peak	125	315

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

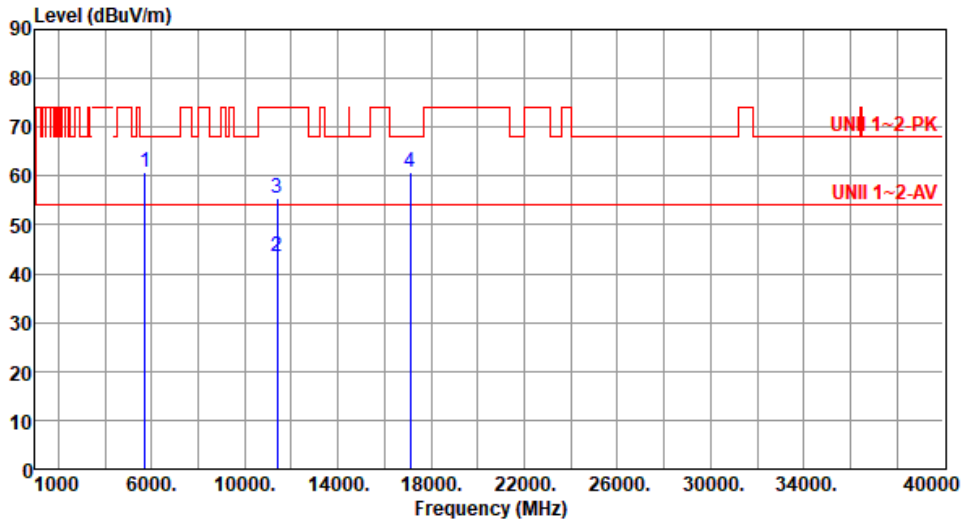


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.11	68.20	-1.09	61.94	5.17	Peak	149	72
2	11400.00	43.67	54.00	-10.33	29.53	14.14	Average	100	63
3	11400.00	55.68	74.00	-18.32	41.54	14.14	Peak	100	63
4	17100.00	60.74	68.20	-7.46	43.32	17.42	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

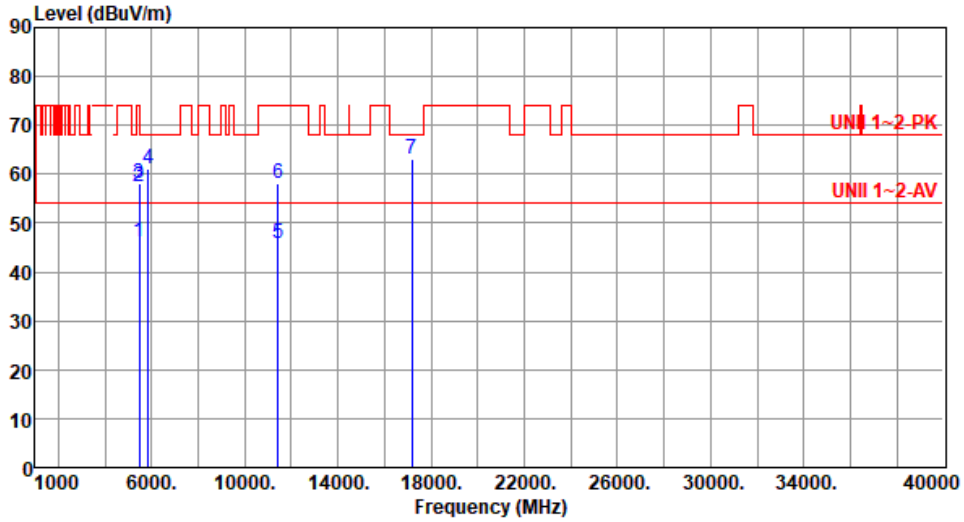


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	60.78	68.20	-7.42	55.61	5.17	Peak	100	53
2	11400.00	43.63	54.00	-10.37	29.49	14.14	Average	100	48
3	11400.00	55.46	74.00	-18.54	41.32	14.14	Peak	100	48
4	17100.00	60.73	68.20	-7.47	43.31	17.42	Peak	100	44

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

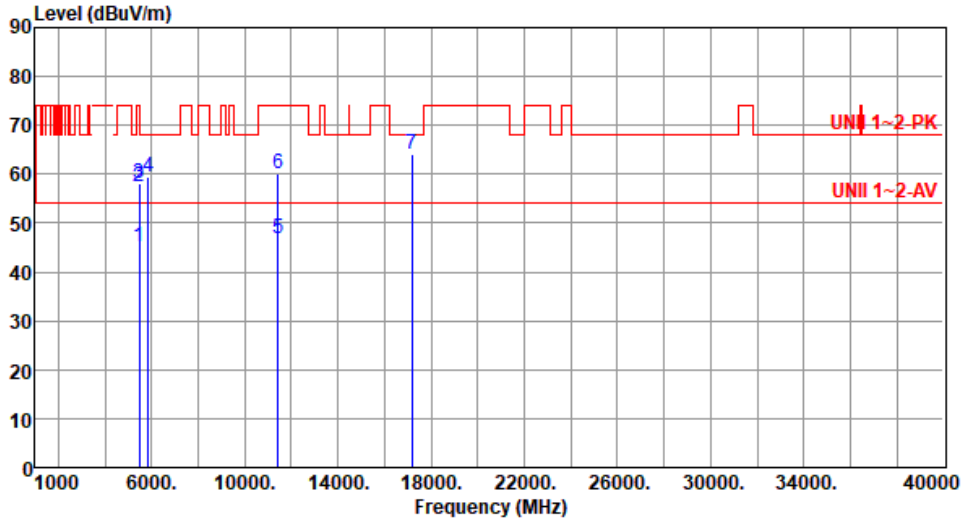


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.23	54.00	-7.77	41.56	4.67	Average	178	68
2	5460.00	57.56	74.00	-16.44	52.89	4.67	Peak	178	68
3	5470.00	58.28	68.20	-9.92	53.58	4.70	Peak	178	68
4	5850.00	61.20	68.20	-7.00	55.55	5.65	Peak	178	68
5	11440.00	45.69	54.00	-8.31	31.43	14.26	Average	100	69
6	11440.00	58.11	74.00	-15.89	43.85	14.26	Peak	100	69
7	17160.00	63.06	68.20	-5.14	45.64	17.42	Peak	100	65

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

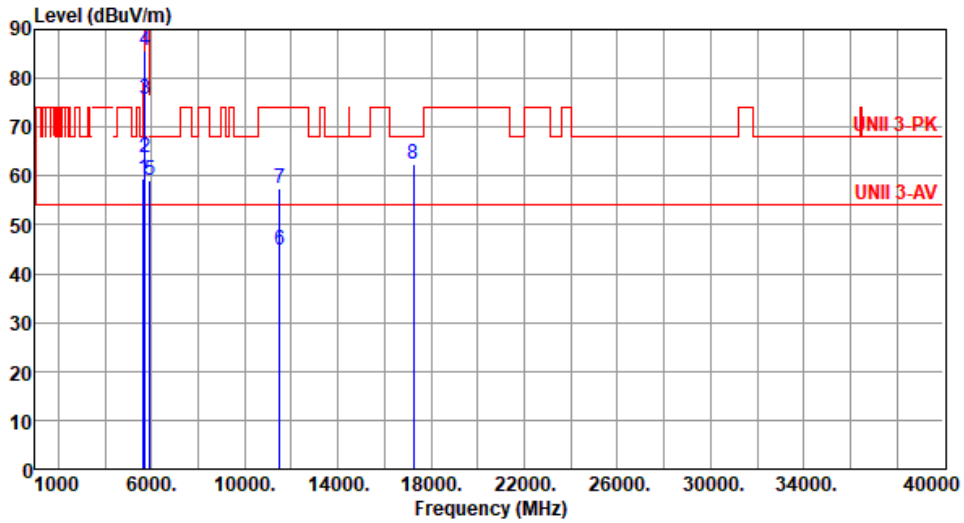


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.11	54.00	-8.89	40.44	4.67	Average	100	86
2	5460.00	57.45	74.00	-16.55	52.78	4.67	Peak	100	86
3	5470.00	58.11	68.20	-10.09	53.41	4.70	Peak	100	86
4	5850.00	59.28	68.20	-8.92	53.63	5.65	Peak	100	86
5	11440.00	46.89	54.00	-7.11	32.63	14.26	Average	122	96
6	11440.00	59.96	74.00	-14.04	45.70	14.26	Peak	122	96
7	17160.00	63.95	68.20	-4.25	46.53	17.42	Peak	102	93

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

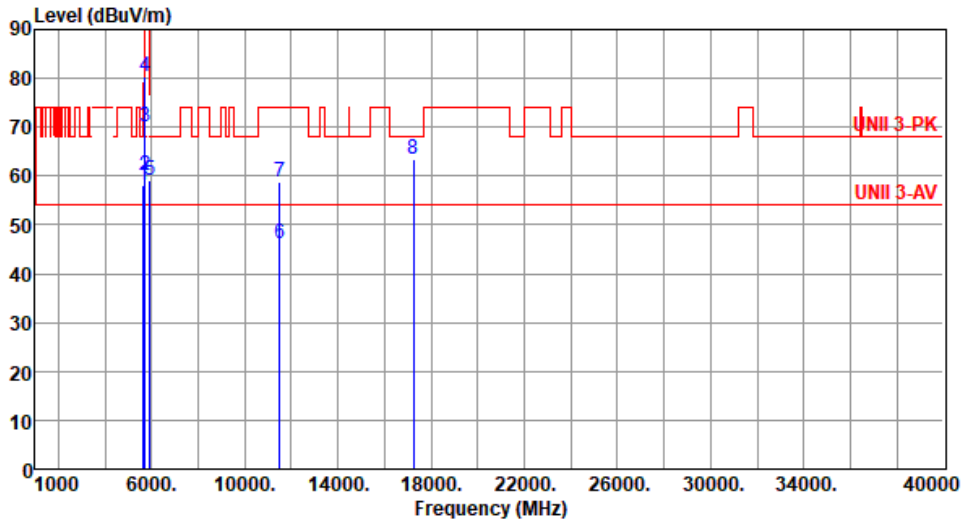


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.35	68.20	-8.85	54.54	4.81	Peak	144	75
2	5700.00	63.90	105.20	-41.30	58.88	5.02	Peak	144	75
3	5720.00	75.72	110.80	-35.08	70.58	5.14	Peak	144	75
4	5725.00	85.83	122.20	-36.37	80.66	5.17	Peak	144	75
5	5925.00	59.27	68.20	-8.93	53.66	5.61	Peak	144	75
6	11490.00	44.91	54.00	-9.09	30.52	14.39	Average	100	63
7	11490.00	57.30	74.00	-16.70	42.91	14.39	Peak	100	63
8	17235.00	62.39	68.20	-5.81	44.93	17.46	Peak	100	76

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

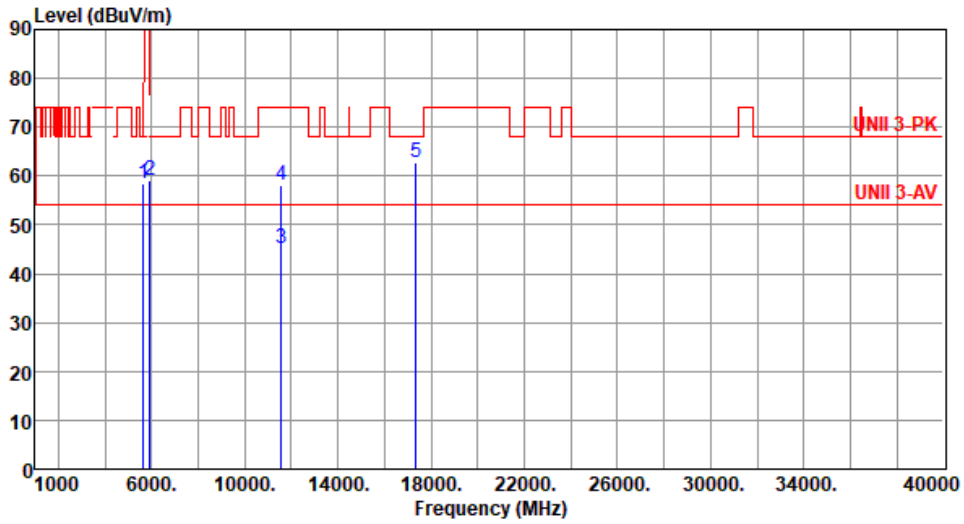


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.11	68.20	-10.09	53.30	4.81	Peak	100	82
2	5700.00	60.14	105.20	-45.06	55.12	5.02	Peak	100	82
3	5720.00	70.10	110.80	-40.70	64.96	5.14	Peak	100	82
4	5725.00	80.48	122.20	-41.72	75.31	5.17	Peak	100	82
5	5925.00	59.02	68.20	-9.18	53.41	5.61	Peak	100	82
6	11490.00	46.27	54.00	-7.73	31.88	14.39	Average	100	93
7	11490.00	58.91	74.00	-15.09	44.52	14.39	Peak	100	93
8	17235.00	63.31	68.20	-4.89	45.85	17.46	Peak	100	99

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

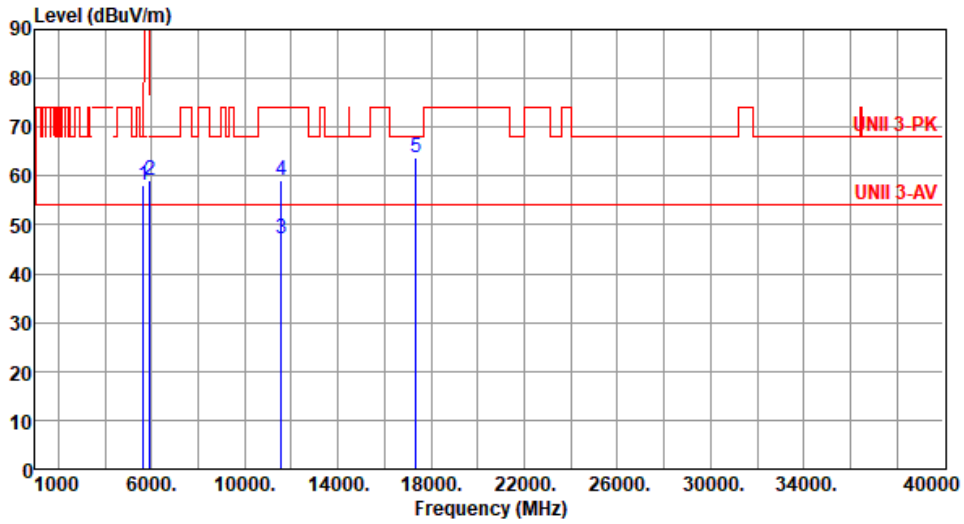


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.35	68.20	-9.85	53.54	4.81	Peak	155	82
2	5925.00	59.05	68.20	-9.15	53.44	5.61	Peak	155	82
3	11570.00	45.10	54.00	-8.90	30.85	14.25	Average	100	80
4	11570.00	58.10	74.00	-15.90	43.85	14.25	Peak	100	80
5	17355.00	62.79	68.20	-5.41	44.88	17.91	Peak	243	88

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

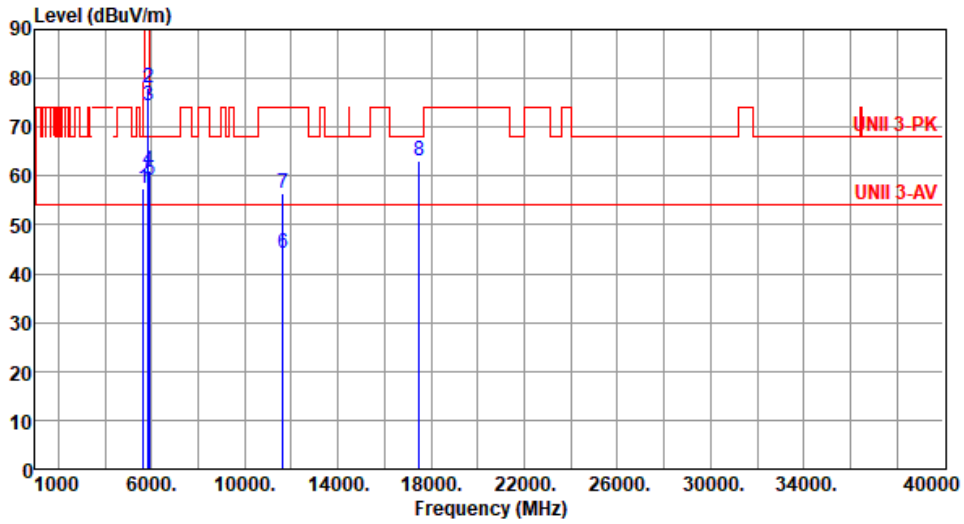


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.27	68.20	-9.93	53.46	4.81	Peak	100	73
2	5925.00	58.99	68.20	-9.21	53.38	5.61	Peak	100	73
3	11570.00	47.22	54.00	-6.78	32.97	14.25	Average	150	45
4	11570.00	59.10	74.00	-14.90	44.85	14.25	Peak	150	45
5	17355.00	63.67	68.20	-4.53	45.76	17.91	Peak	120	99

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

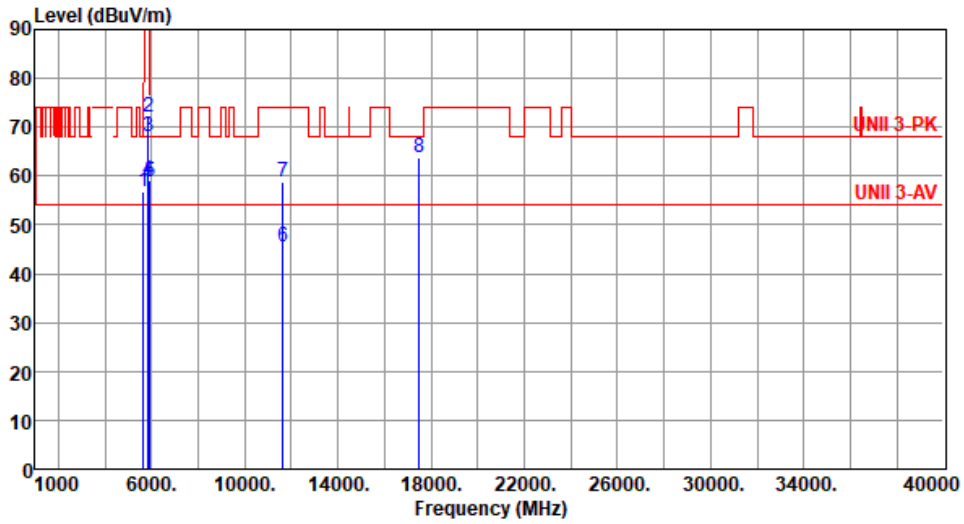


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.30	68.20	-10.90	52.49	4.81	Peak	157	71
2	5850.00	78.20	122.20	-44.00	72.55	5.65	Peak	157	71
3	5855.00	74.53	110.80	-36.27	68.88	5.65	Peak	157	71
4	5875.00	61.25	105.20	-43.95	55.59	5.66	Peak	157	71
5	5925.00	59.16	68.20	-9.04	53.55	5.61	Peak	157	71
6	11650.00	44.31	54.00	-9.69	30.41	13.90	Average	100	64
7	11650.00	56.38	74.00	-17.62	42.48	13.90	Peak	100	64
8	17475.00	63.07	68.20	-5.13	44.52	18.55	Peak	100	96

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68



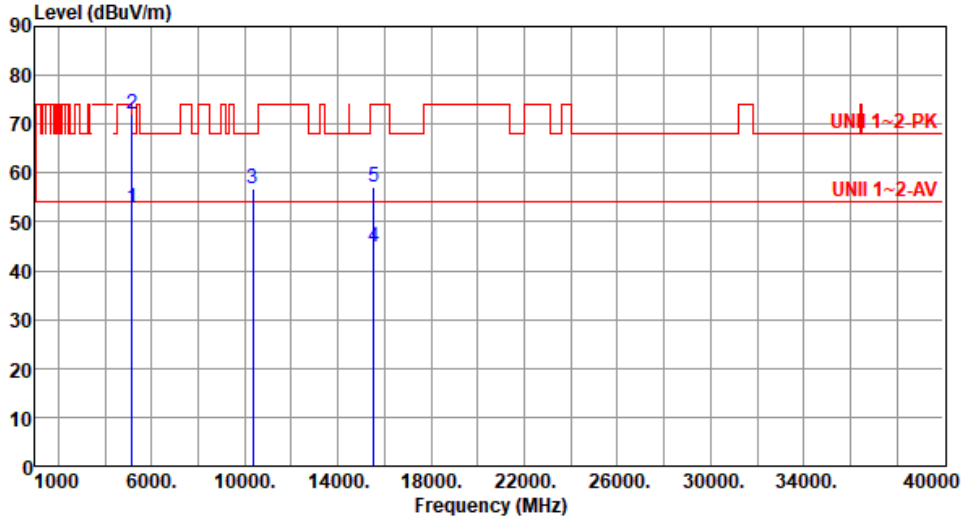
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	56.95	68.20	-11.25	52.14	4.81	Peak	100	86
2	5850.00	72.08	122.20	-50.12	66.43	5.65	Peak	100	86
3	5855.00	68.08	110.80	-42.72	62.43	5.65	Peak	100	86
4	5875.00	59.17	105.20	-46.03	53.51	5.66	Peak	100	86
5	5925.00	58.73	68.20	-9.47	53.12	5.61	Peak	100	86
6	11650.00	45.59	54.00	-8.41	31.69	13.90	Average	100	89
7	11650.00	58.75	74.00	-15.25	44.85	13.90	Peak	100	89
8	17475.00	63.69	68.20	-4.51	45.14	18.55	Peak	100	96

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

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

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):21 Humidity(%):68

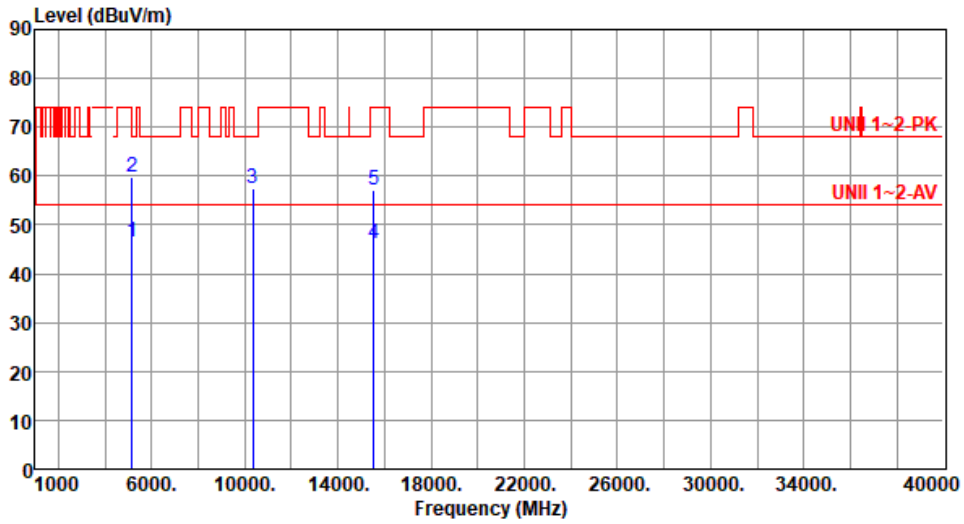


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.92	54.00	-1.08	47.91	5.01	Average	147	85
2	5150.00	71.92	74.00	-2.08	66.91	5.01	Peak	147	85
3	10360.00	56.66	68.20	-11.54	42.45	14.21	Peak	100	71
4	15540.00	44.95	54.00	-9.05	31.31	13.64	Average	100	63
5	15540.00	57.09	74.00	-16.91	43.45	13.64	Peak	100	63

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

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

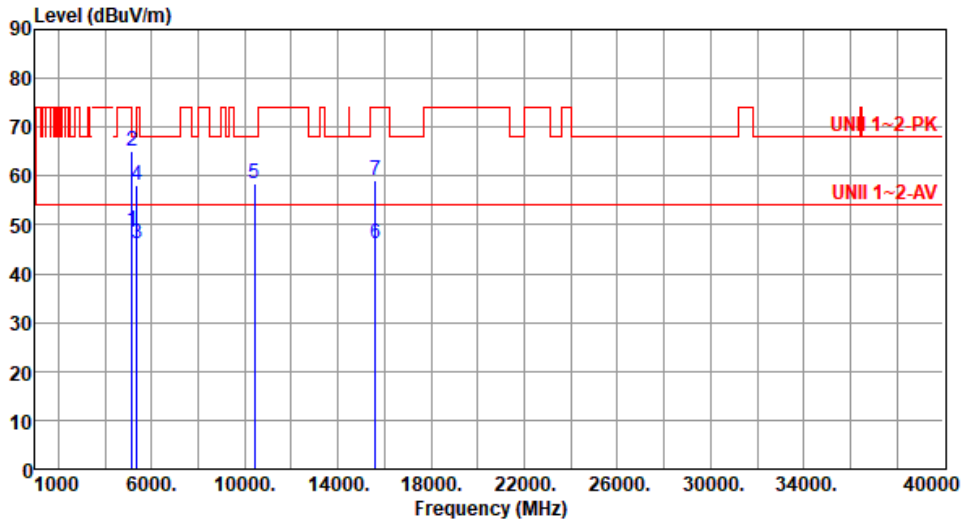


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.54	54.00	-7.46	41.53	5.01	Average	100	118
2	5150.00	59.67	74.00	-14.33	54.66	5.01	Peak	100	118
3	10360.00	57.53	68.20	-10.67	43.32	14.21	Peak	100	28
4	15540.00	46.15	54.00	-7.85	32.51	13.64	Average	100	45
5	15540.00	56.99	74.00	-17.01	43.35	13.64	Peak	100	45

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

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

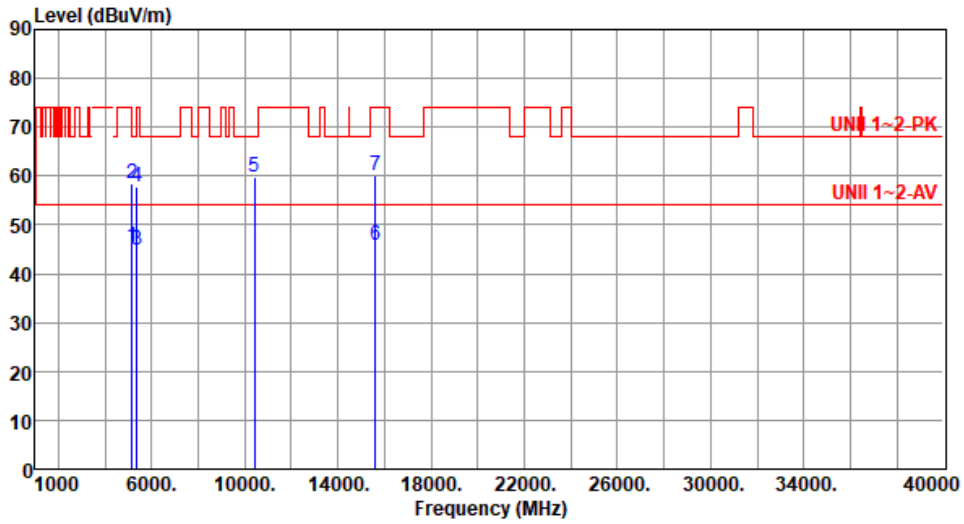


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.97	54.00	-5.03	43.96	5.01	Average	177	87
2	5150.00	64.98	74.00	-9.02	59.97	5.01	Peak	177	87
3	5350.00	46.19	54.00	-7.81	41.77	4.42	Average	177	87
4	5350.00	58.08	74.00	-15.92	53.66	4.42	Peak	177	87
5	10400.00	58.54	68.20	-9.66	44.21	14.33	Peak	100	85
6	15600.00	46.29	54.00	-7.71	32.96	13.33	Average	100	67
7	15600.00	59.06	74.00	-14.94	45.73	13.33	Peak	100	67

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

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

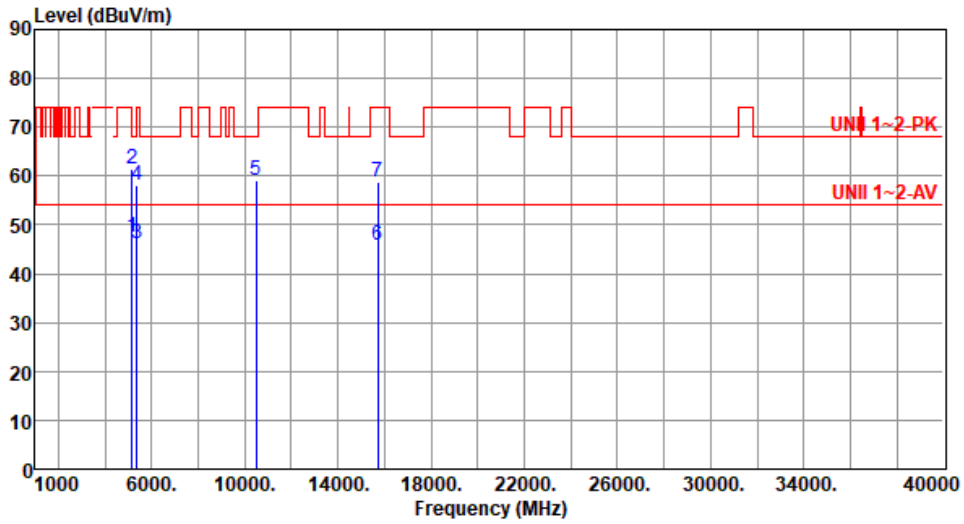


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.36	54.00	-8.64	40.35	5.01	Average	100	121
2	5150.00	58.61	74.00	-15.39	53.60	5.01	Peak	100	121
3	5350.00	44.87	54.00	-9.13	40.45	4.42	Average	100	121
4	5350.00	57.74	74.00	-16.26	53.32	4.42	Peak	100	121
5	10400.00	59.78	68.20	-8.42	45.45	14.33	Peak	100	99
6	15600.00	45.87	54.00	-8.13	32.54	13.33	Average	100	92
7	15600.00	60.18	74.00	-13.82	46.85	13.33	Peak	100	92

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

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

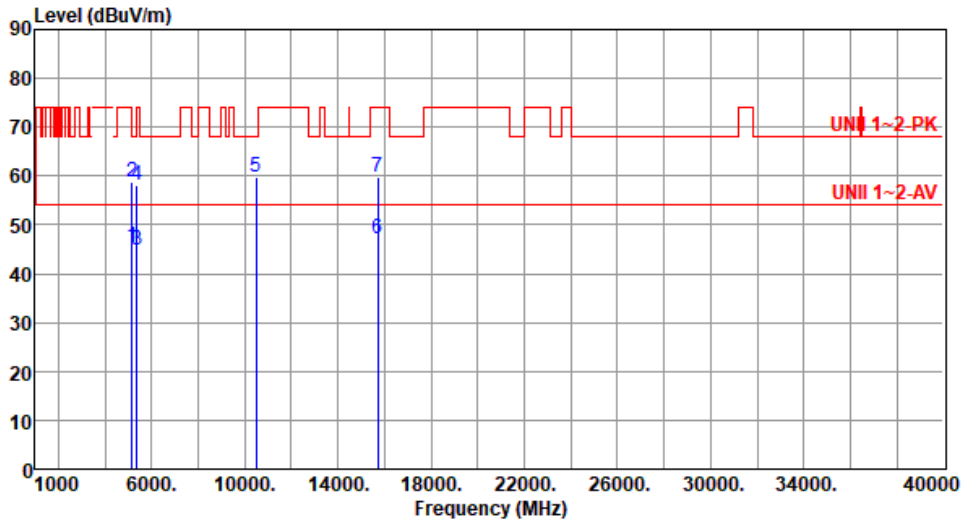


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.60	54.00	-6.40	42.59	5.01	Average	180	85
2	5150.00	61.57	74.00	-12.43	56.56	5.01	Peak	180	85
3	5350.00	46.02	54.00	-7.98	41.60	4.42	Average	180	85
4	5350.00	58.19	74.00	-15.81	53.77	4.42	Peak	180	85
5	10480.00	59.03	68.20	-9.17	44.57	14.46	Peak	100	91
6	15720.00	45.97	54.00	-8.03	32.55	13.42	Average	100	72
7	15720.00	58.86	74.00	-15.14	45.44	13.42	Peak	100	72

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

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

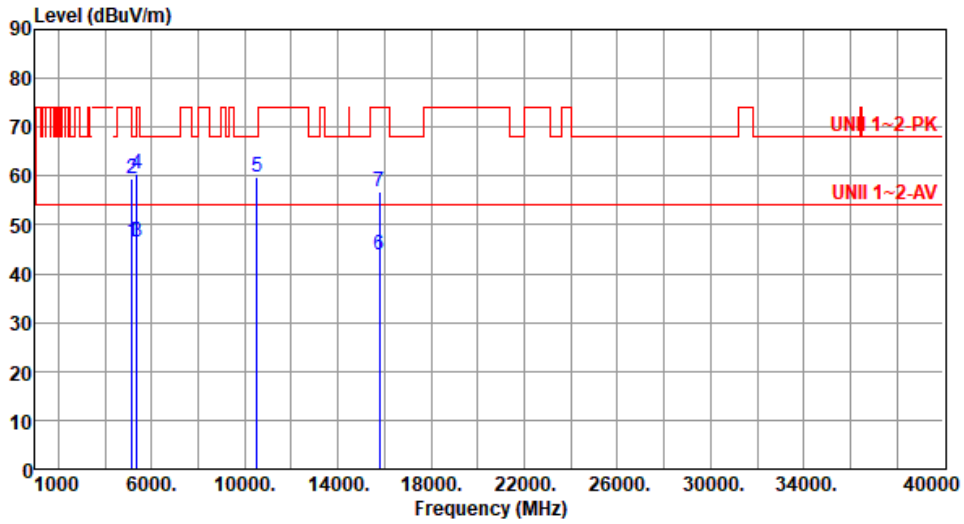


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.53	54.00	-8.47	40.52	5.01	Average	100	122
2	5150.00	58.64	74.00	-15.36	53.63	5.01	Peak	100	122
3	5350.00	44.85	54.00	-9.15	40.43	4.42	Average	100	122
4	5350.00	57.97	74.00	-16.03	53.55	4.42	Peak	100	122
5	10480.00	59.94	68.20	-8.26	45.48	14.46	Peak	100	87
6	15720.00	47.09	54.00	-6.91	33.67	13.42	Average	100	93
7	15720.00	59.82	74.00	-14.18	46.40	13.42	Peak	100	93

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

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

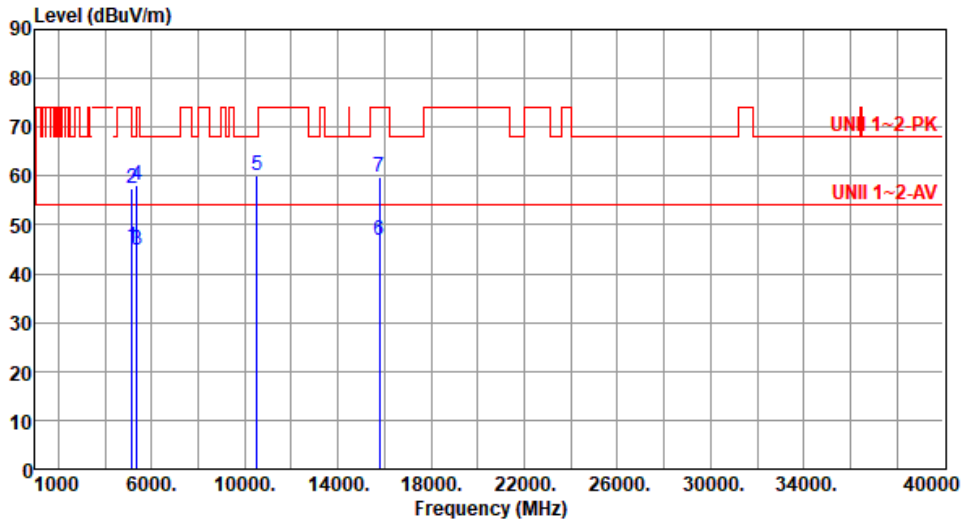


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.61	54.00	-7.39	41.60	5.01	Average	177	79
2	5150.00	59.55	74.00	-14.45	54.54	5.01	Peak	177	79
3	5350.00	46.64	54.00	-7.36	42.22	4.42	Average	177	79
4	5350.00	60.41	74.00	-13.59	55.99	4.42	Peak	177	79
5	10520.00	59.88	68.20	-8.32	45.41	14.47	Peak	100	156
6	15780.00	43.78	54.00	-10.22	30.30	13.48	Average	100	12
7	15780.00	56.89	74.00	-17.11	43.41	13.48	Peak	100	12

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

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

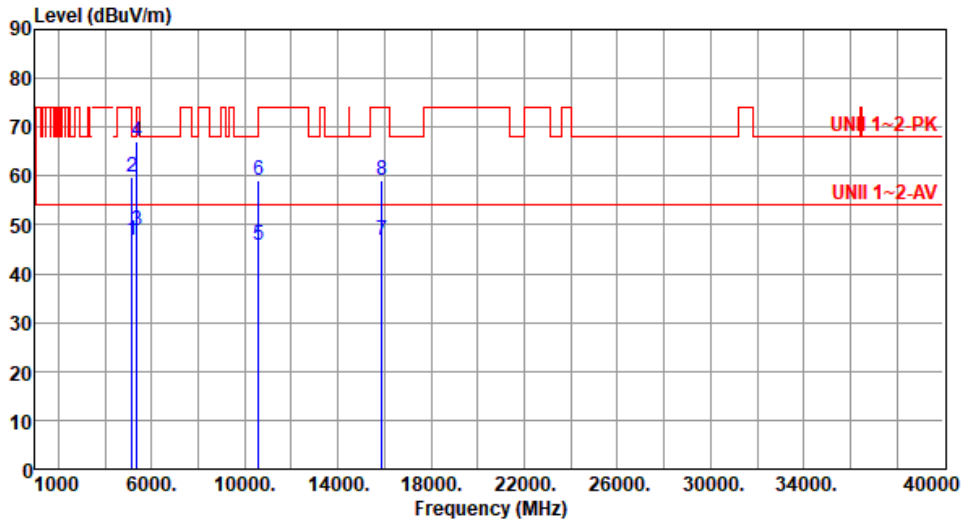


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.43	54.00	-8.57	40.42	5.01	Average	100	133
2	5150.00	57.50	74.00	-16.50	52.49	5.01	Peak	100	133
3	5350.00	44.87	54.00	-9.13	40.45	4.42	Average	100	133
4	5350.00	58.10	74.00	-15.90	53.68	4.42	Peak	100	133
5	10520.00	59.96	68.20	-8.24	45.49	14.47	Peak	100	101
6	15780.00	46.88	54.00	-7.12	33.40	13.48	Average	100	102
7	15780.00	59.84	74.00	-14.16	46.36	13.48	Peak	100	102

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

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

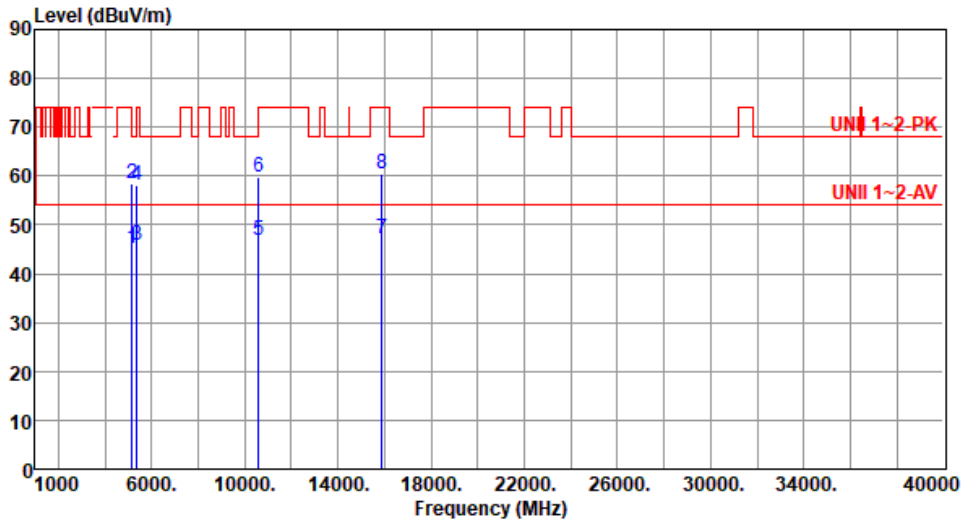


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.68	54.00	-7.32	41.67	5.01	Average	184	84
2	5150.00	59.62	74.00	-14.38	54.61	5.01	Peak	184	84
3	5350.00	48.88	54.00	-5.12	44.46	4.42	Average	184	84
4	5350.00	66.94	74.00	-7.06	62.52	4.42	Peak	184	84
5	10600.00	45.93	54.00	-8.07	31.58	14.35	Average	100	72
6	10600.00	59.12	74.00	-14.88	44.77	14.35	Peak	100	72
7	15900.00	46.69	54.00	-7.31	33.12	13.57	Average	100	65
8	15900.00	59.24	74.00	-14.76	45.67	13.57	Peak	100	65

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

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

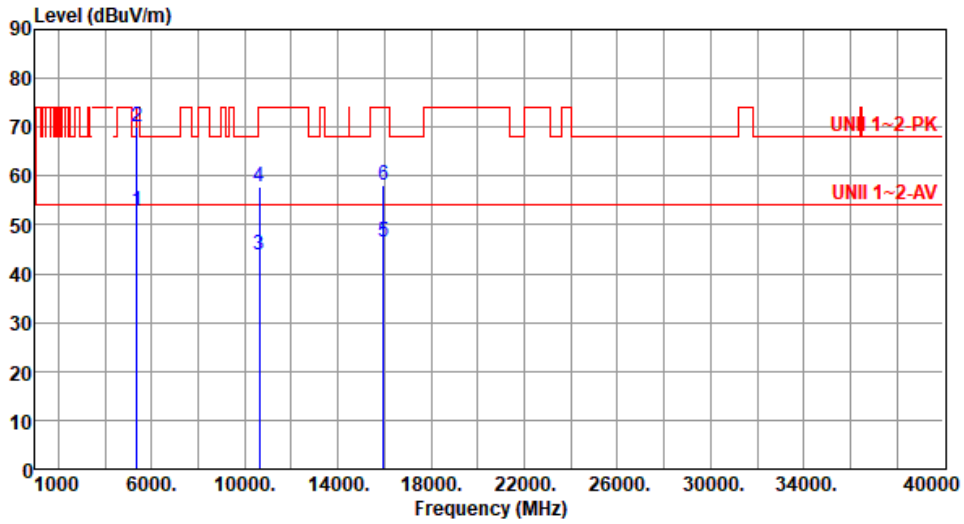


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.24	54.00	-8.76	40.23	5.01	Average	100	76
2	5150.00	58.46	74.00	-15.54	53.45	5.01	Peak	100	76
3	5350.00	45.97	54.00	-8.03	41.55	4.42	Average	100	76
4	5350.00	58.10	74.00	-15.90	53.68	4.42	Peak	100	76
5	10600.00	46.89	54.00	-7.11	32.54	14.35	Average	100	86
6	10600.00	59.93	74.00	-14.07	45.58	14.35	Peak	100	86
7	15900.00	47.23	54.00	-6.77	33.66	13.57	Average	100	93
8	15900.00	60.45	74.00	-13.55	46.88	13.57	Peak	100	93

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

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

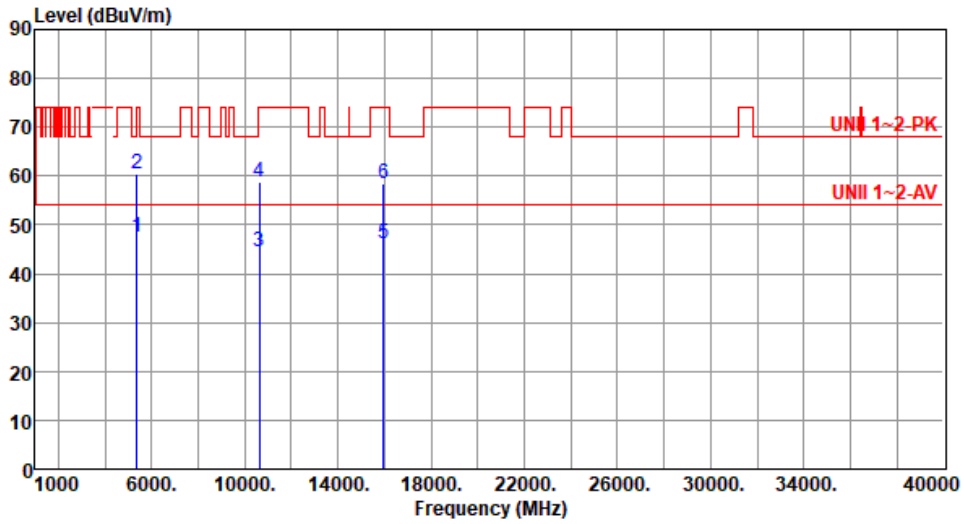


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	52.84	54.00	-1.16	48.42	4.42	Average	182	81
2	5350.00	69.94	74.00	-4.06	65.52	4.42	Peak	182	81
3	10640.00	43.92	54.00	-10.08	29.55	14.37	Average	100	66
4	10640.00	57.92	74.00	-16.08	43.55	14.37	Peak	100	66
5	15960.00	46.36	54.00	-7.64	32.68	13.68	Average	100	73
6	15960.00	58.19	74.00	-15.81	44.51	13.68	Peak	100	73

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

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

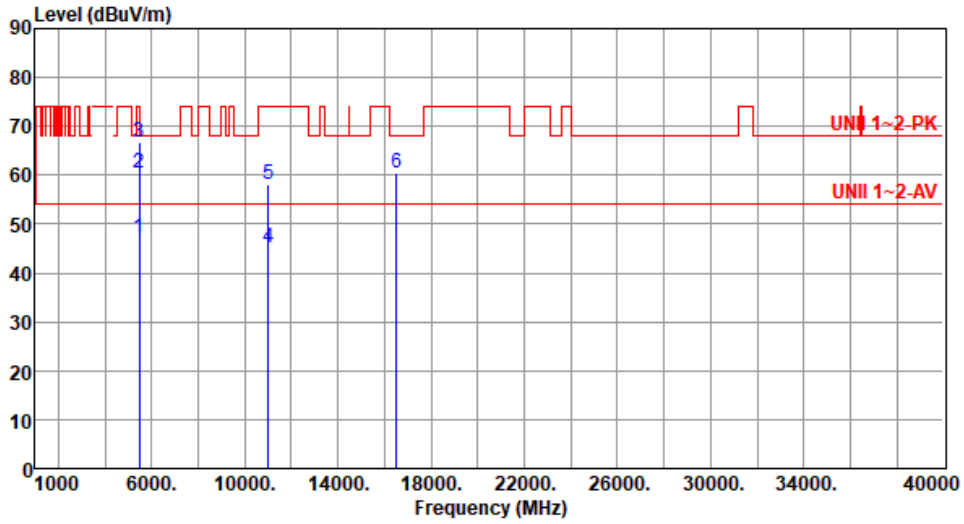


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.38	54.00	-6.62	42.96	4.42	Average	100	75
2	5350.00	60.33	74.00	-13.67	55.91	4.42	Peak	100	75
3	10640.00	44.49	54.00	-9.51	30.12	14.37	Average	100	72
4	10640.00	58.64	74.00	-15.36	44.27	14.37	Peak	100	72
5	15960.00	46.19	54.00	-7.81	32.51	13.68	Average	100	45
6	15960.00	58.36	74.00	-15.64	44.68	13.68	Peak	100	45

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

Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

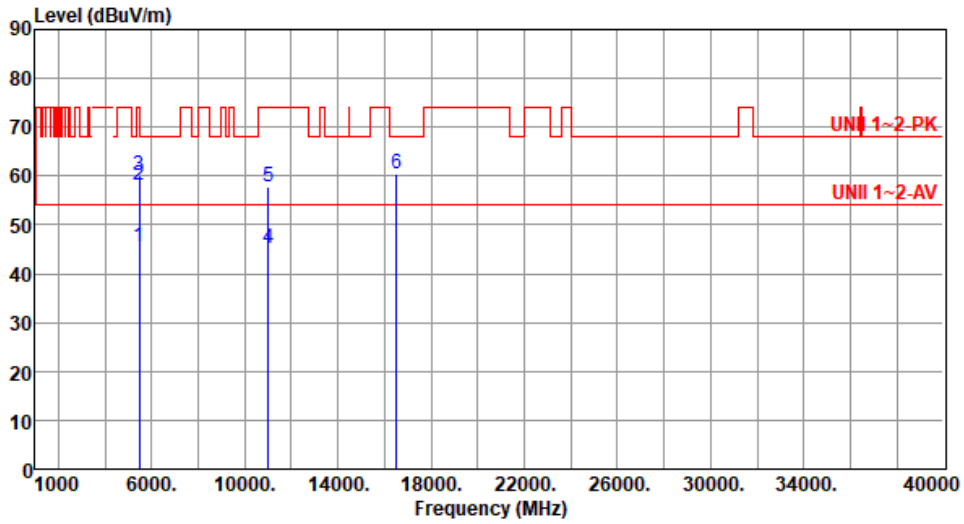


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.11	54.00	-6.89	42.44	4.67	Average	181	79
2	5460.00	60.56	74.00	-13.44	55.89	4.67	Peak	181	79
3	5470.00	66.80	68.20	-1.40	62.10	4.70	Peak	181	79
4	11000.00	45.06	54.00	-8.94	30.41	14.65	Average	100	63
5	11000.00	58.16	74.00	-15.84	43.51	14.65	Peak	100	63
6	16500.00	60.39	68.20	-7.81	44.05	16.34	Peak	100	157

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

Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

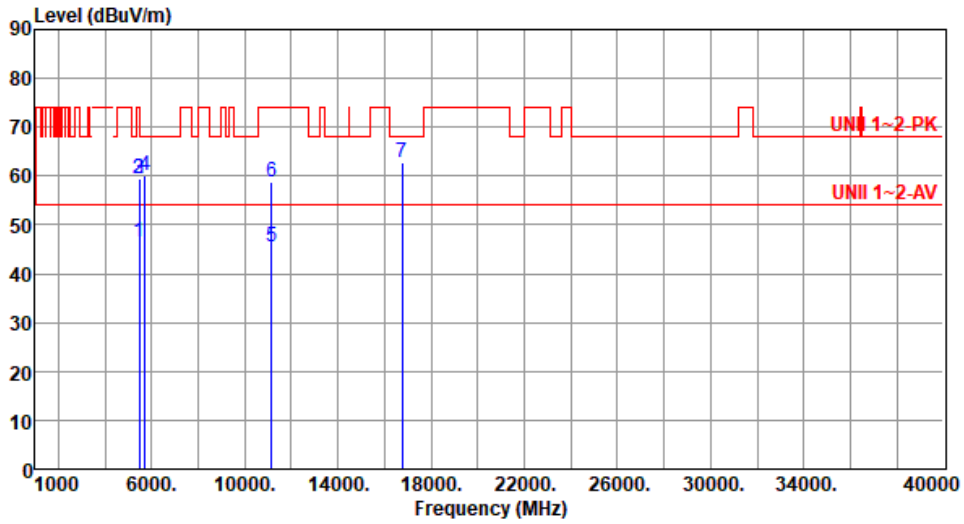


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.49	54.00	-8.51	40.82	4.67	Average	100	75
2	5460.00	57.96	74.00	-16.04	53.29	4.67	Peak	100	75
3	5470.00	60.18	68.20	-8.02	55.48	4.70	Peak	100	75
4	11000.00	45.16	54.00	-8.84	30.51	14.65	Average	100	128
5	11000.00	57.92	74.00	-16.08	43.27	14.65	Peak	100	125
6	16500.00	60.56	68.20	-7.64	44.22	16.34	Peak	100	83

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

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

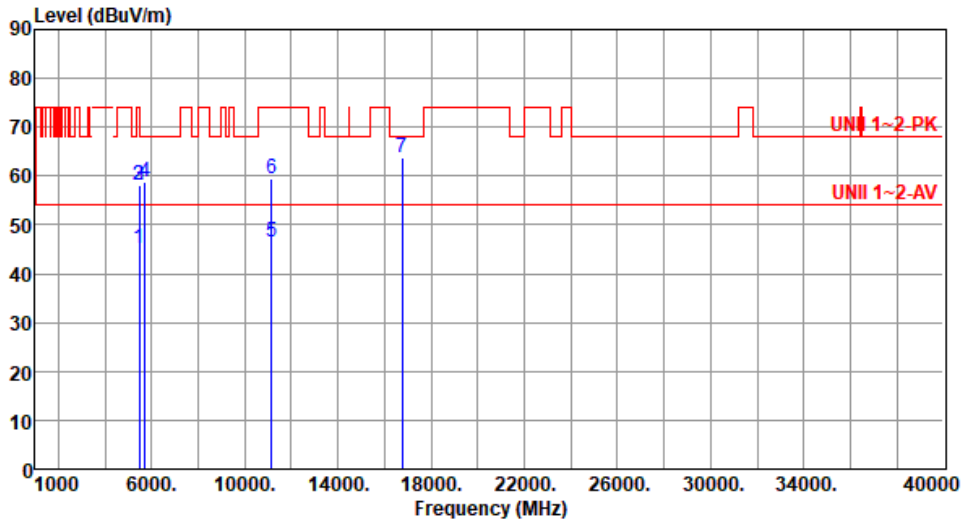


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.55	54.00	-7.45	41.88	4.67	Average	142	70
2	5460.00	59.38	74.00	-14.62	54.71	4.67	Peak	142	70
3	5470.00	59.53	68.20	-8.67	54.83	4.70	Peak	142	70
4	5725.00	60.07	68.20	-8.13	54.90	5.17	Peak	142	70
5	11160.00	45.50	54.00	-8.50	31.53	13.97	Average	100	82
6	11160.00	58.65	74.00	-15.35	44.68	13.97	Peak	100	82
7	16740.00	62.73	68.20	-5.47	45.56	17.17	Peak	100	67

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

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

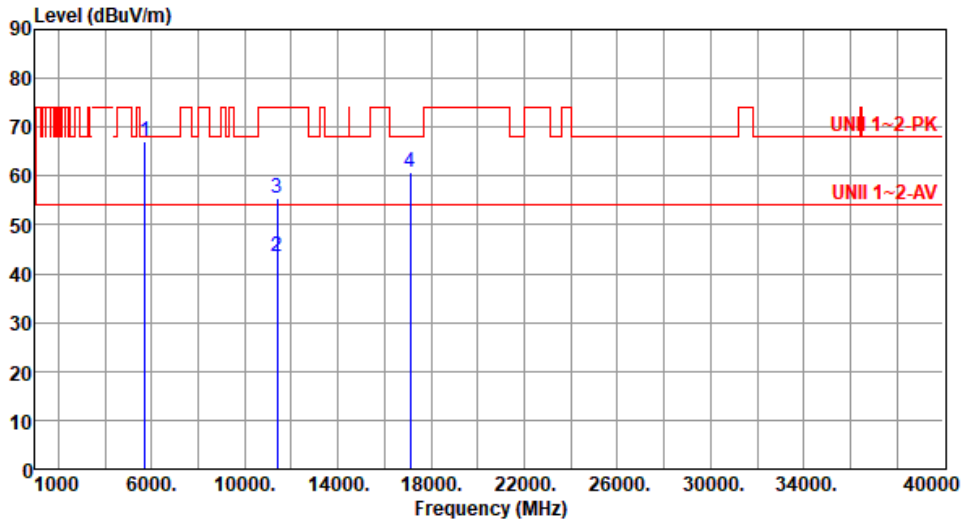


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.05	54.00	-8.95	40.38	4.67	Average	100	72
2	5460.00	57.96	74.00	-16.04	53.29	4.67	Peak	100	72
3	5470.00	58.25	68.20	-9.95	53.55	4.70	Peak	100	72
4	5725.00	58.84	68.20	-9.36	53.67	5.17	Peak	100	72
5	11160.00	46.34	54.00	-7.66	32.37	13.97	Average	100	96
6	11160.00	59.55	74.00	-14.45	45.58	13.97	Peak	100	96
7	16740.00	63.80	68.20	-4.40	46.63	17.17	Peak	100	94

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

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

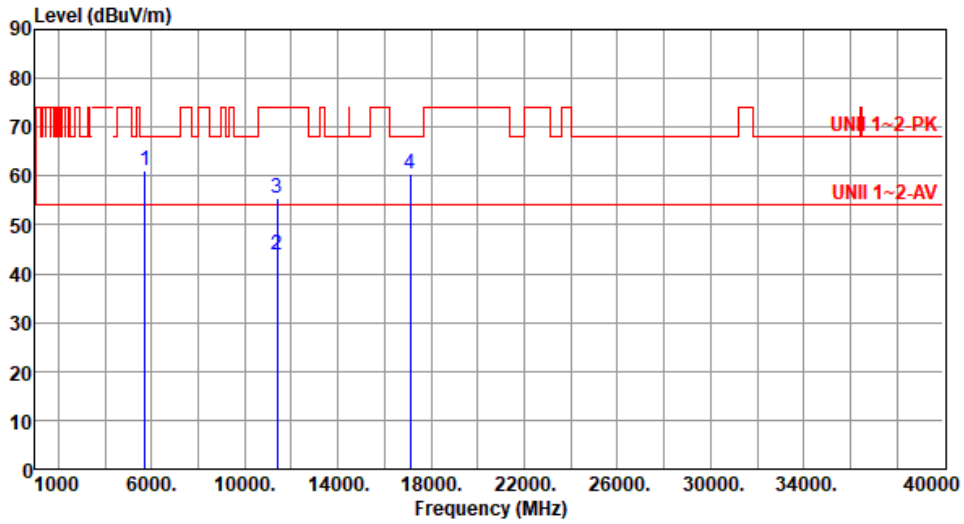


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.16	68.20	-1.04	61.99	5.17	Peak	147	70
2	11400.00	43.50	54.00	-10.50	29.36	14.14	Average	100	58
3	11400.00	55.52	74.00	-18.48	41.38	14.14	Peak	100	58
4	17100.00	60.67	68.20	-7.53	43.25	17.42	Peak	100	66

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

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

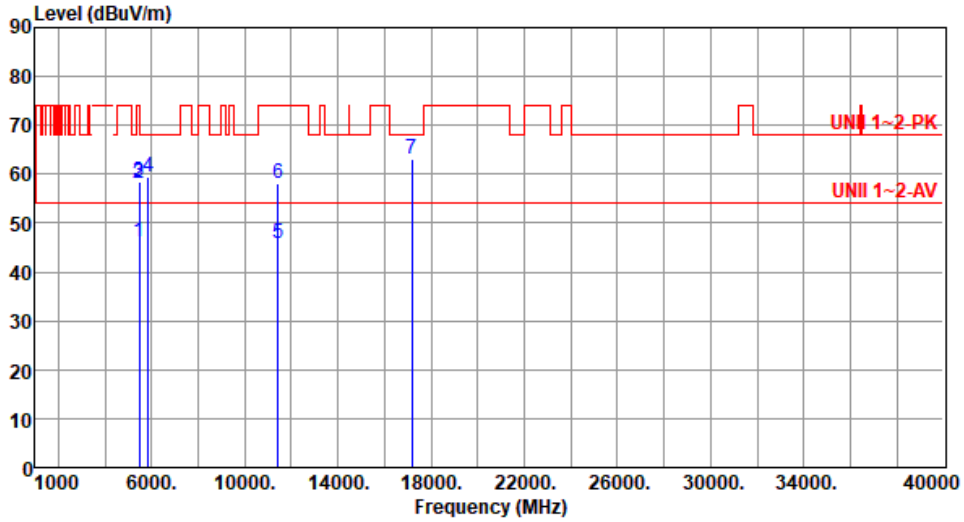


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	61.02	68.20	-7.18	55.85	5.17	Peak	100	62
2	11400.00	43.78	54.00	-10.22	29.64	14.14	Average	100	55
3	11400.00	55.40	74.00	-18.60	41.26	14.14	Peak	100	55
4	17100.00	60.55	68.20	-7.65	43.13	17.42	Peak	100	42

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

Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

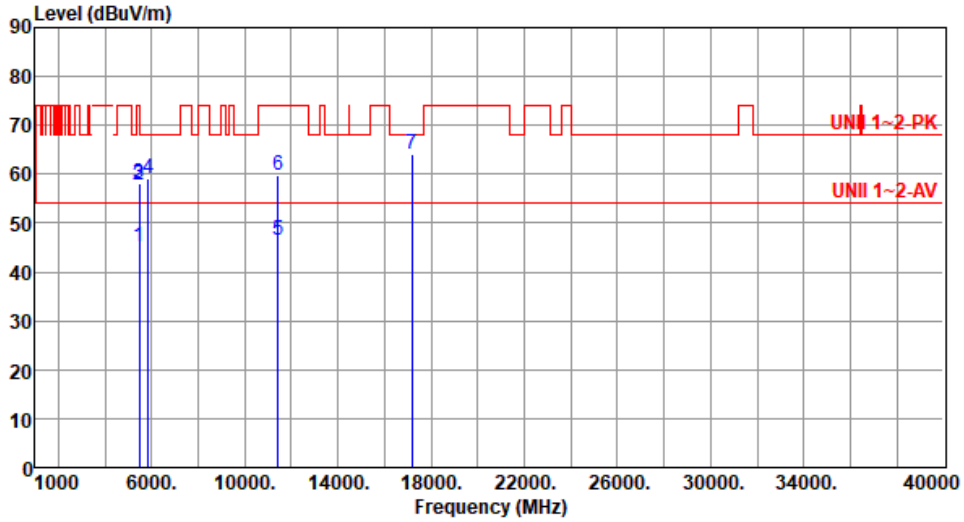


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.23	54.00	-7.77	41.56	4.67	Average	151	73
2	5460.00	58.26	74.00	-15.74	53.59	4.67	Peak	151	73
3	5470.00	58.30	68.20	-9.90	53.60	4.70	Peak	151	73
4	5850.00	59.31	68.20	-8.89	53.66	5.65	Peak	151	73
5	11440.00	45.79	54.00	-8.21	31.53	14.26	Average	100	63
6	11440.00	57.99	74.00	-16.01	43.73	14.26	Peak	100	63
7	17160.00	62.95	68.20	-5.25	45.53	17.42	Peak	100	78

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

Modulation	VHT20	**Test Freq. (MHz)**	5720
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

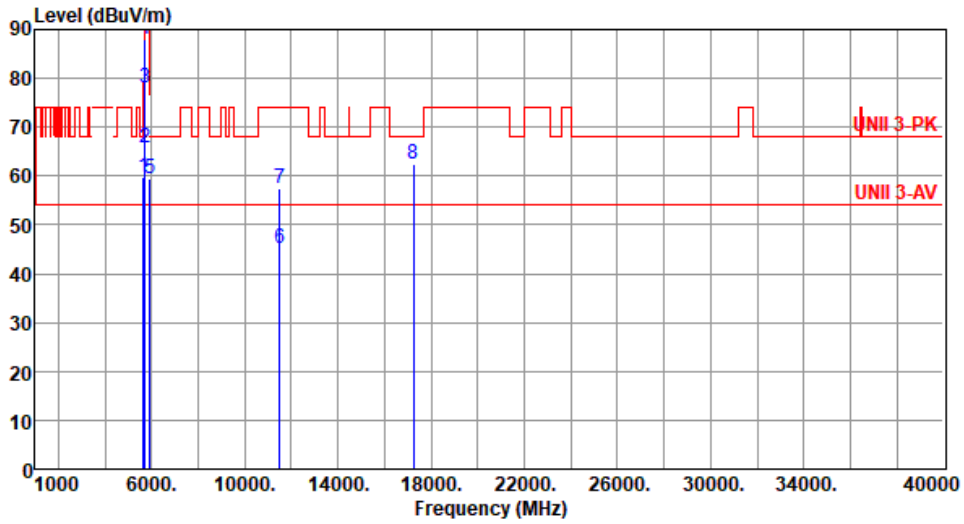


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.03	54.00	-8.97	40.36	4.67	Average	100	80
2	5460.00	57.80	74.00	-16.20	53.13	4.67	Peak	100	80
3	5470.00	58.25	68.20	-9.95	53.55	4.70	Peak	100	80
4	5850.00	59.07	68.20	-9.13	53.42	5.65	Peak	100	80
5	11440.00	46.61	54.00	-7.39	32.35	14.26	Average	100	88
6	11440.00	59.81	74.00	-14.19	45.55	14.26	Peak	100	88
7	17160.00	63.97	68.20	-4.23	46.55	17.42	Peak	100	93

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

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

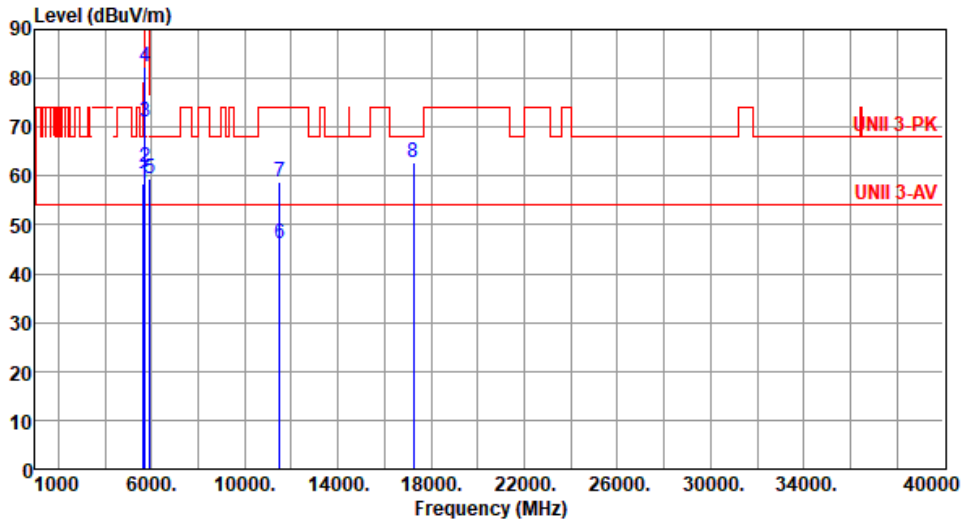


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.65	68.20	-8.55	54.84	4.81	Peak	146	74
2	5700.00	65.88	105.20	-39.32	60.86	5.02	Peak	146	74
3	5720.00	78.07	110.80	-32.73	72.93	5.14	Peak	146	74
4	5725.00	88.06	122.20	-34.14	82.89	5.17	Peak	146	74
5	5925.00	59.41	68.20	-8.79	53.80	5.61	Peak	146	74
6	11490.00	45.00	54.00	-9.00	30.61	14.39	Average	100	58
7	11490.00	57.51	74.00	-16.49	43.12	14.39	Peak	100	58
8	17235.00	62.31	68.20	-5.89	44.85	17.46	Peak	100	83

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

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

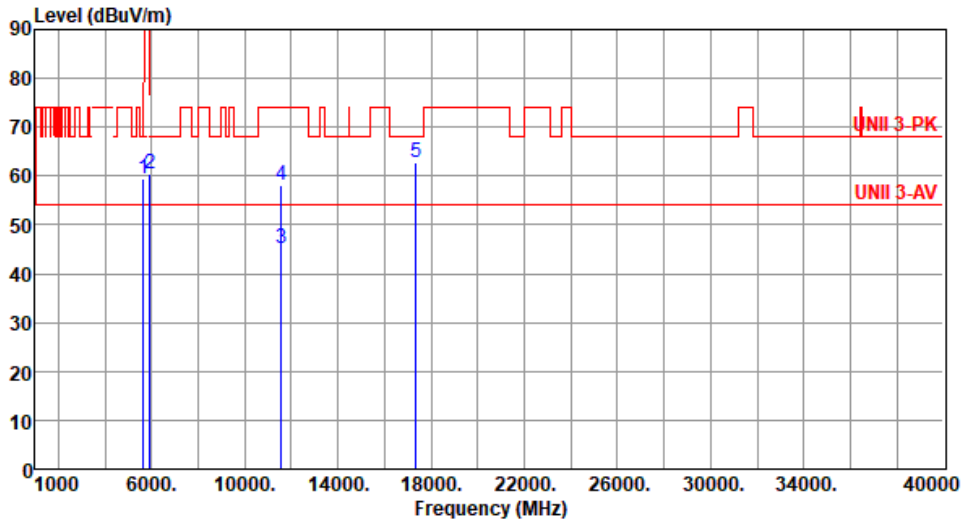


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.35	68.20	-9.85	53.54	4.81	Peak	100	71
2	5700.00	61.84	105.20	-43.36	56.82	5.02	Peak	100	71
3	5720.00	70.99	110.80	-39.81	65.85	5.14	Peak	100	71
4	5725.00	82.48	122.20	-39.72	77.31	5.17	Peak	100	71
5	5925.00	59.29	68.20	-8.91	53.68	5.61	Peak	100	71
6	11490.00	46.27	54.00	-7.73	31.88	14.39	Average	100	102
7	11490.00	58.72	74.00	-15.28	44.33	14.39	Peak	100	102
8	17235.00	62.85	68.20	-5.35	45.39	17.46	Peak	100	105

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

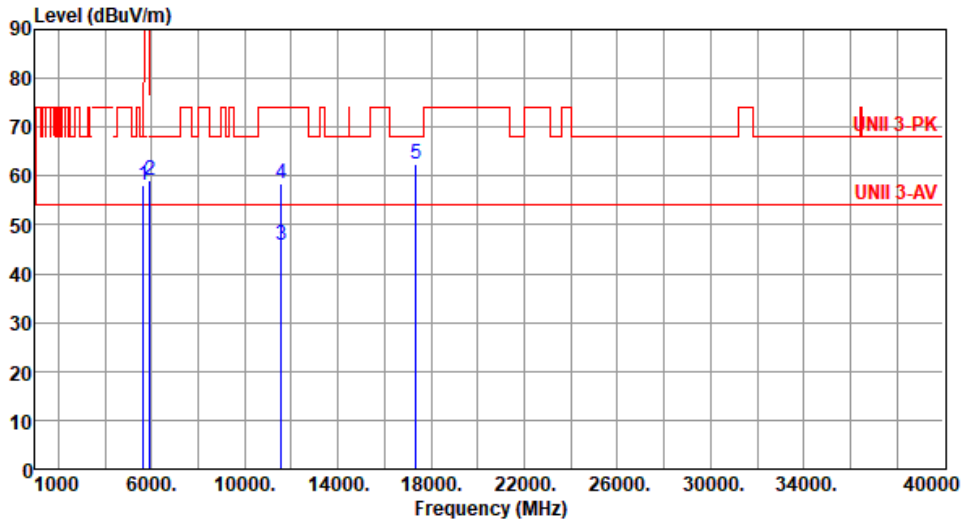


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.46	68.20	-8.74	54.65	4.81	Peak	155	79
2	5925.00	60.33	68.20	-7.87	54.72	5.61	Peak	155	79
3	11570.00	45.16	54.00	-8.84	30.91	14.25	Average	100	75
4	11570.00	58.00	74.00	-16.00	43.75	14.25	Peak	100	75
5	17355.00	62.65	68.20	-5.55	44.74	17.91	Peak	100	75

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

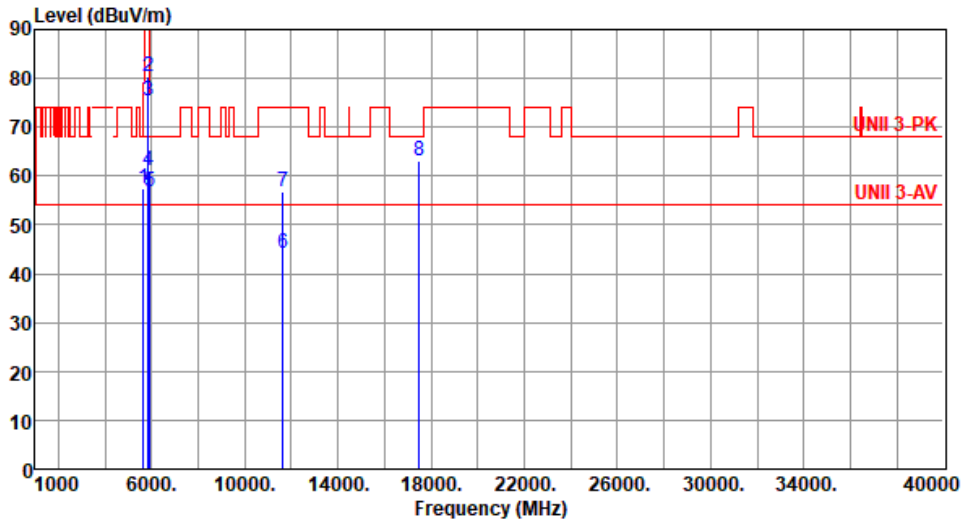


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.08	68.20	-10.12	53.27	4.81	Peak	100	66
2	5925.00	59.02	68.20	-9.18	53.41	5.61	Peak	100	66
3	11570.00	45.68	54.00	-8.32	31.43	14.25	Average	100	101
4	11570.00	58.55	74.00	-15.45	44.30	14.25	Peak	100	101
5	17355.00	62.32	68.20	-5.88	44.41	17.91	Peak	100	105

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

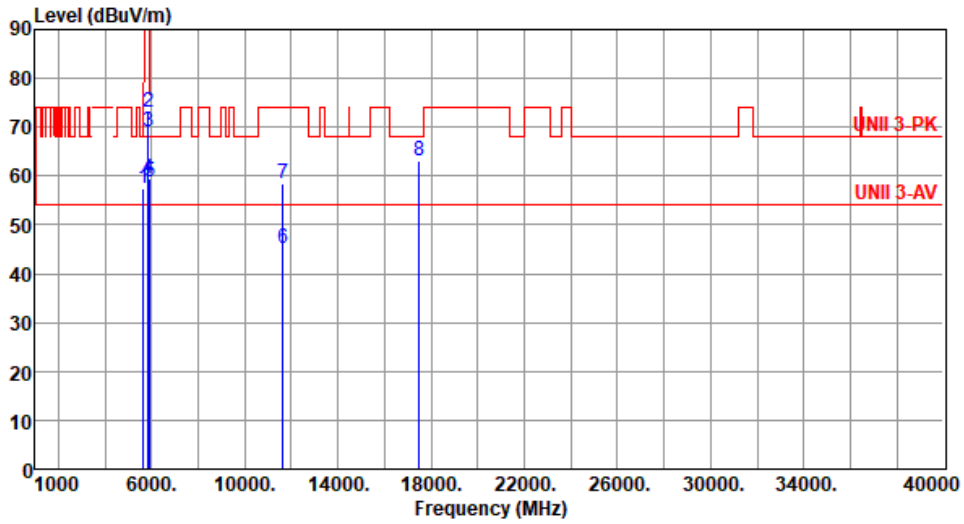


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.35	68.20	-10.85	52.54	4.81	Peak	151	74
2	5850.00	80.50	122.20	-41.70	74.85	5.65	Peak	151	74
3	5855.00	75.55	110.80	-35.25	69.90	5.65	Peak	151	74
4	5875.00	61.13	105.20	-44.07	55.47	5.66	Peak	151	74
5	5925.00	56.72	68.20	-11.48	51.11	5.61	Peak	151	74
6	11650.00	44.23	54.00	-9.77	30.33	13.90	Average	100	77
7	11650.00	56.86	74.00	-17.14	42.96	13.90	Peak	100	77
8	17475.00	63.21	68.20	-4.99	44.66	18.55	Peak	100	82

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68



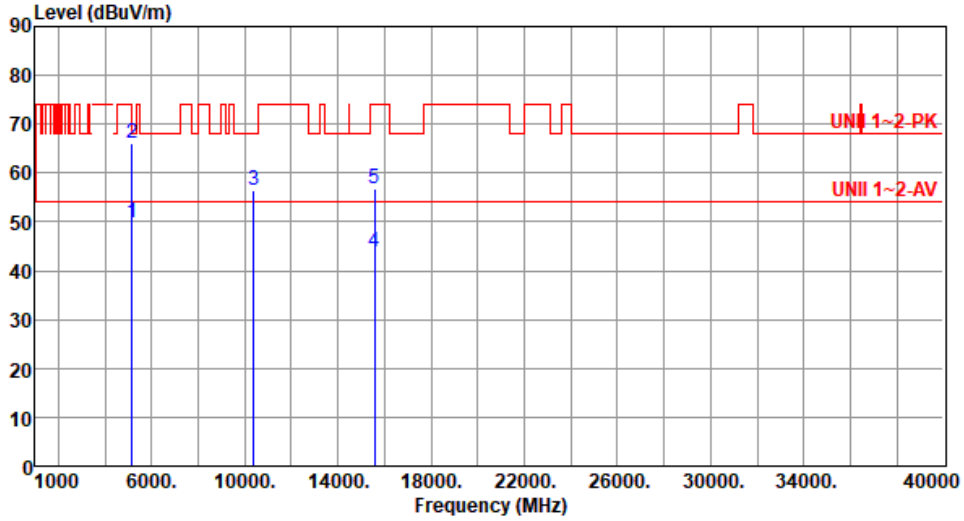
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.48	68.20	-10.72	52.67	4.81	Peak	100	71
2	5850.00	72.96	122.20	-49.24	67.31	5.65	Peak	100	71
3	5855.00	69.18	110.80	-41.62	63.53	5.65	Peak	100	71
4	5875.00	59.33	105.20	-45.87	53.67	5.66	Peak	100	71
5	5925.00	58.83	68.20	-9.37	53.22	5.61	Peak	100	71
6	11650.00	45.25	54.00	-8.75	31.35	13.90	Average	100	109
7	11650.00	58.29	74.00	-15.71	44.39	13.90	Peak	100	109
8	17475.00	63.03	68.20	-5.17	44.48	18.55	Peak	100	102

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

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

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):21 Humidity(%):68

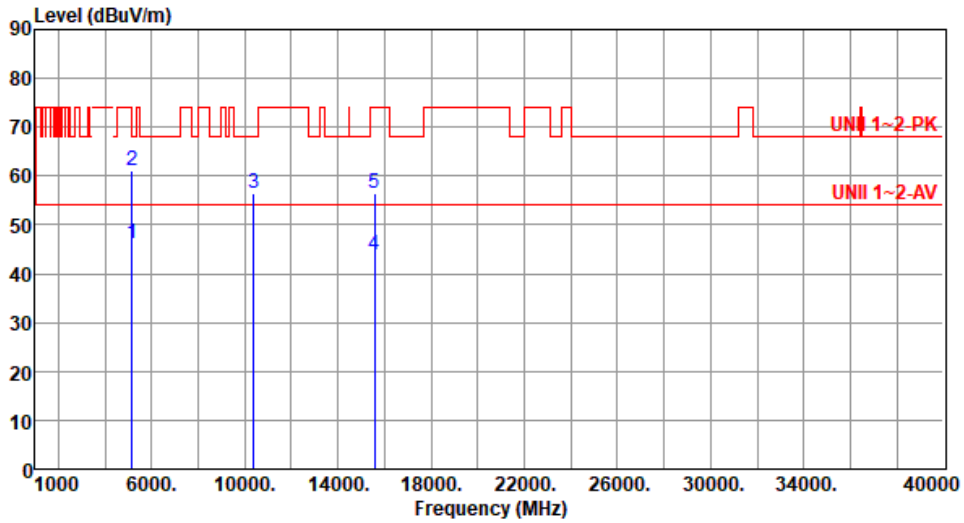


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	49.73	54.00	-4.27	44.72	5.01	Average	124	101
2	5150.00	66.13	74.00	-7.87	61.12	5.01	Peak	124	101
3	10380.00	56.48	68.20	-11.72	42.21	14.27	Peak	100	155
4	15570.00	43.84	54.00	-10.16	30.36	13.48	Average	100	127
5	15570.00	56.90	74.00	-17.10	43.42	13.48	Peak	100	127

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

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

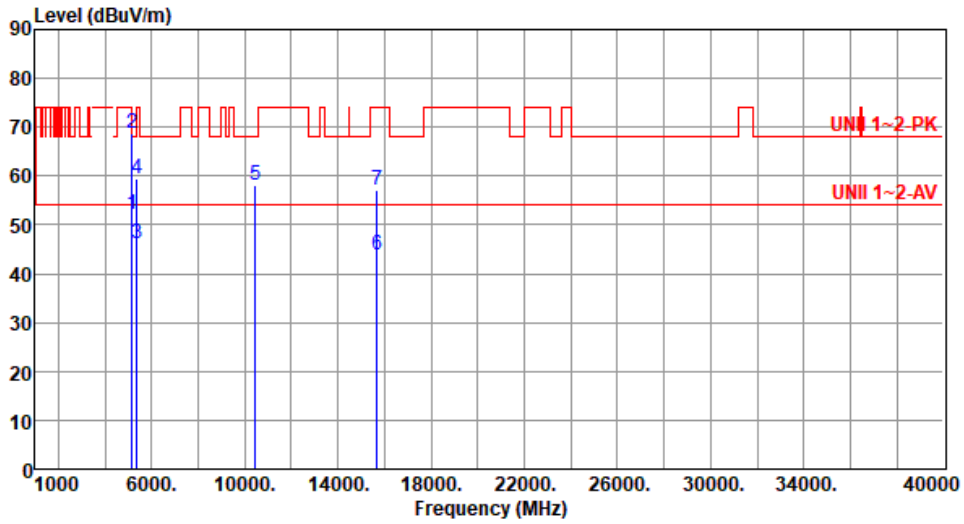


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.23	54.00	-7.77	41.22	5.01	Average	100	123
2	5150.00	61.23	74.00	-12.77	56.22	5.01	Peak	100	123
3	10380.00	56.58	68.20	-11.62	42.31	14.27	Peak	100	105
4	15570.00	43.80	54.00	-10.20	30.32	13.48	Average	100	78
5	15570.00	56.38	74.00	-17.62	42.90	13.48	Peak	100	78

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

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

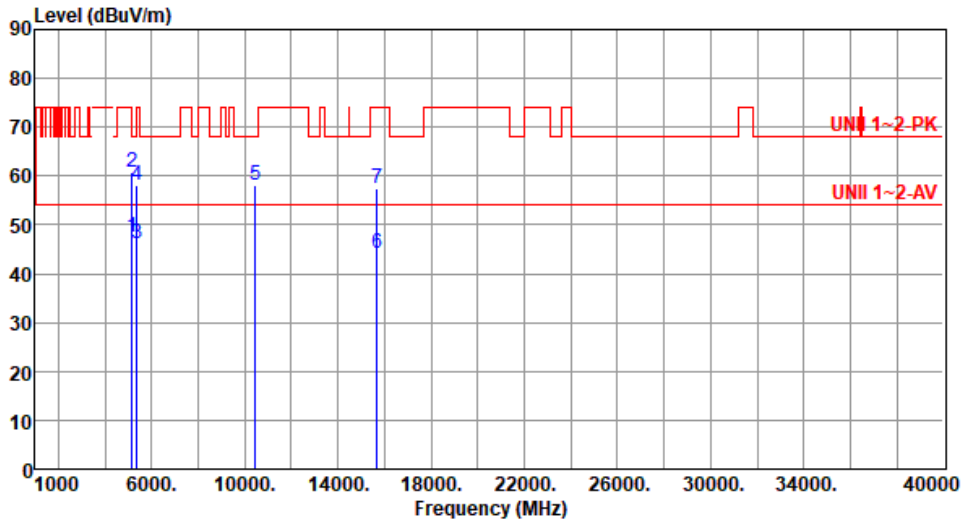


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.01	54.00	-1.99	47.00	5.01	Average	125	104
2	5150.00	68.68	74.00	-5.32	63.67	5.01	Peak	125	104
3	5350.00	46.30	54.00	-7.70	41.88	4.42	Average	125	104
4	5350.00	59.40	74.00	-14.60	54.98	4.42	Peak	125	104
5	10460.00	58.25	68.20	-9.95	43.82	14.43	Peak	100	155
6	15690.00	43.91	54.00	-10.09	30.51	13.40	Average	100	122
7	15690.00	57.02	74.00	-16.98	43.62	13.40	Peak	100	122

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

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

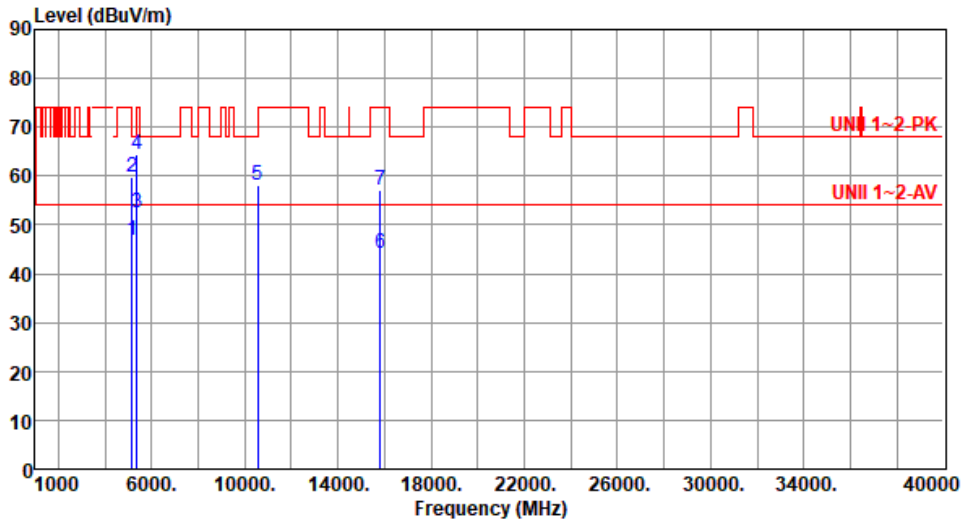


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.53	54.00	-6.47	42.52	5.01	Average	100	115
2	5150.00	60.87	74.00	-13.13	55.86	5.01	Peak	100	115
3	5350.00	46.08	54.00	-7.92	41.66	4.42	Average	100	115
4	5350.00	58.20	74.00	-15.80	53.78	4.42	Peak	100	115
5	10460.00	57.98	68.20	-10.22	43.55	14.43	Peak	100	99
6	15690.00	44.17	54.00	-9.83	30.77	13.40	Average	100	94
7	15690.00	57.35	74.00	-16.65	43.95	13.40	Peak	100	94

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

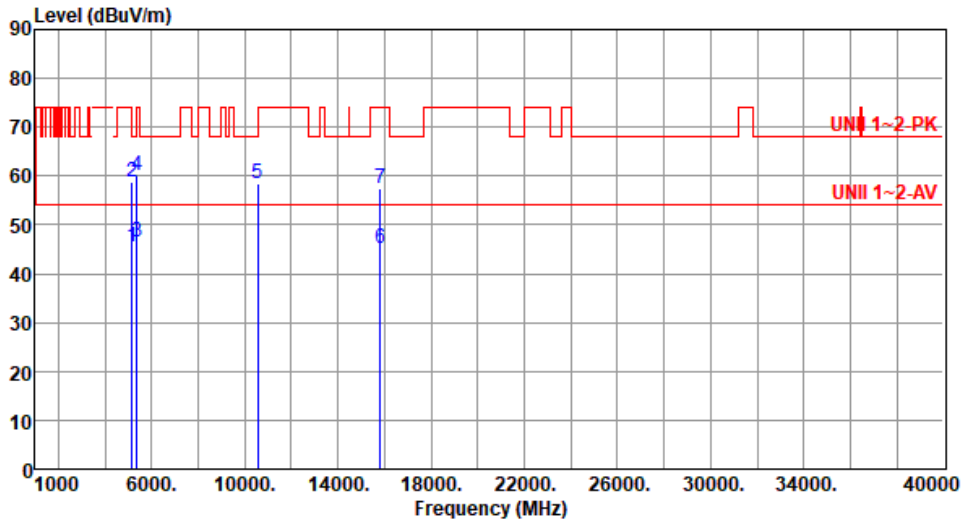


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.89	54.00	-7.11	41.88	5.01	Average	111	109
2	5150.00	59.90	74.00	-14.10	54.89	5.01	Peak	111	109
3	5350.00	52.38	54.00	-1.62	47.96	4.42	Average	111	109
4	5350.00	64.37	74.00	-9.63	59.95	4.42	Peak	111	109
5	10540.00	58.19	68.20	-10.01	43.75	14.44	Peak	100	68
6	15810.00	44.01	54.00	-9.99	30.51	13.50	Average	100	131
7	15810.00	57.08	74.00	-16.92	43.58	13.50	Peak	100	131

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

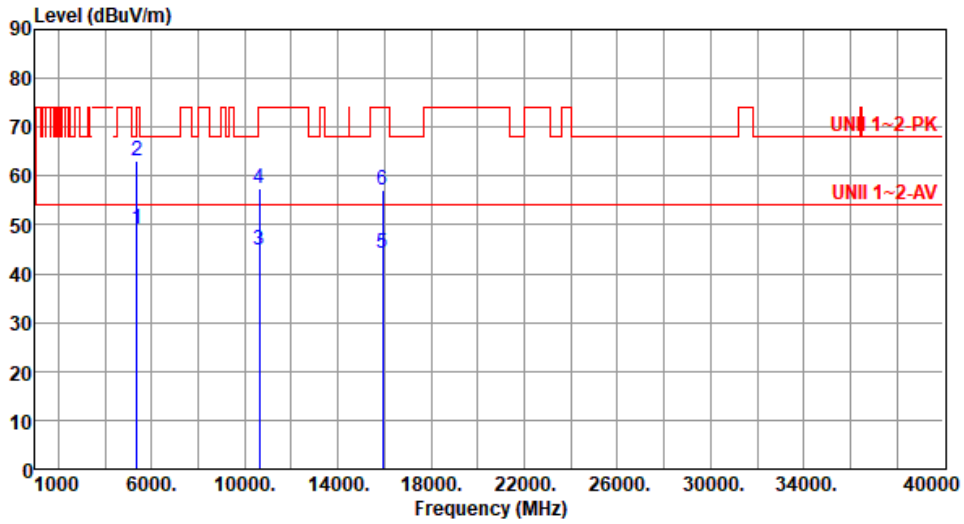


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.58	54.00	-8.42	40.57	5.01	Average	100	120
2	5150.00	58.80	74.00	-15.20	53.79	5.01	Peak	100	120
3	5350.00	46.63	54.00	-7.37	42.21	4.42	Average	100	120
4	5350.00	60.20	74.00	-13.80	55.78	4.42	Peak	100	120
5	10540.00	58.34	68.20	-9.86	43.90	14.44	Peak	100	93
6	15810.00	45.19	54.00	-8.81	31.69	13.50	Average	100	98
7	15810.00	57.43	74.00	-16.57	43.93	13.50	Peak	100	98

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

Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

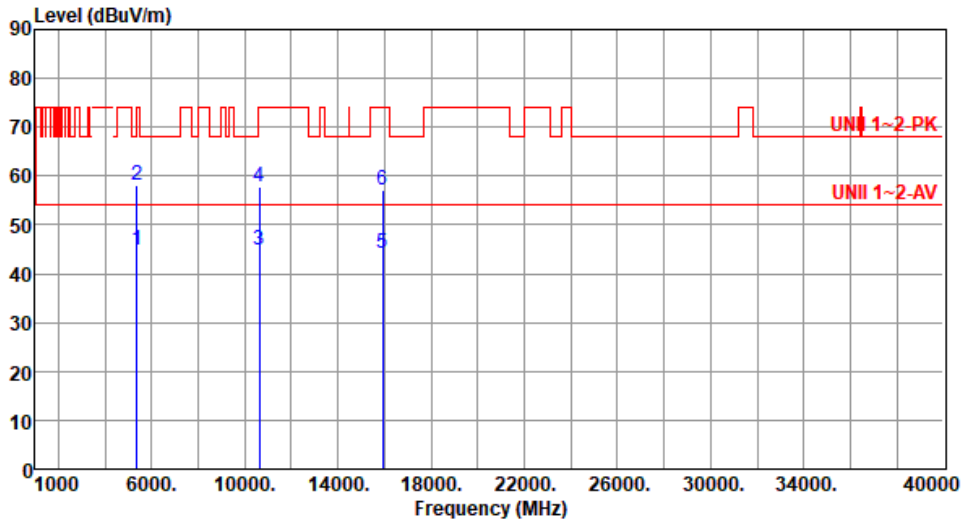


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	49.30	54.00	-4.70	44.88	4.42	Average	130	104
2	5350.00	63.27	74.00	-10.73	58.85	4.42	Peak	130	104
3	10620.00	44.87	54.00	-9.13	30.51	14.36	Average	100	143
4	10620.00	57.57	74.00	-16.43	43.21	14.36	Peak	100	143
5	15930.00	44.00	54.00	-10.00	30.37	13.63	Average	100	105
6	15930.00	57.03	74.00	-16.97	43.40	13.63	Peak	100	105

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

Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

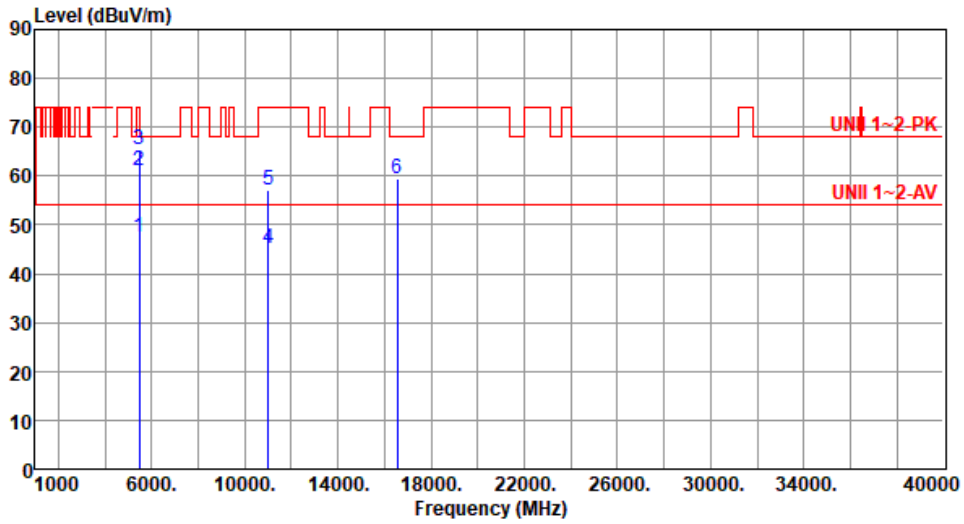


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.80	54.00	-9.20	40.38	4.42	Average	100	126
2	5350.00	58.23	74.00	-15.77	53.81	4.42	Peak	100	126
3	10620.00	44.98	54.00	-9.02	30.62	14.36	Average	100	113
4	10620.00	57.77	74.00	-16.23	43.41	14.36	Peak	100	113
5	15930.00	44.05	54.00	-9.95	30.42	13.63	Average	100	85
6	15930.00	57.15	74.00	-16.85	43.52	13.63	Peak	100	85

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

Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

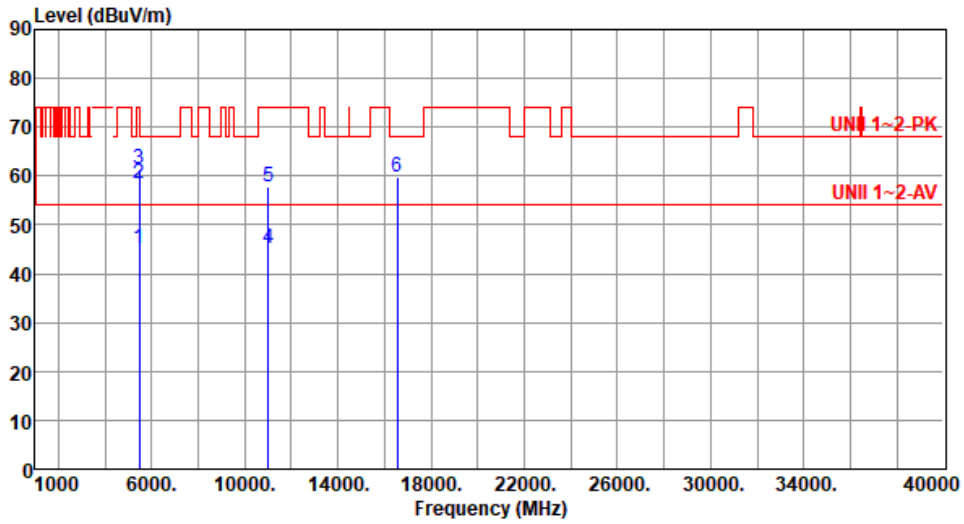


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.46	54.00	-6.54	42.79	4.67	Average	146	73
2	5460.00	61.24	74.00	-12.76	56.57	4.67	Peak	146	73
3	5470.00	65.58	68.20	-2.62	60.88	4.70	Peak	146	73
4	11020.00	45.12	54.00	-8.88	30.56	14.56	Average	100	143
5	11020.00	56.99	74.00	-17.01	42.43	14.56	Peak	100	143
6	16530.00	59.55	68.20	-8.65	43.31	16.24	Peak	100	162

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

Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

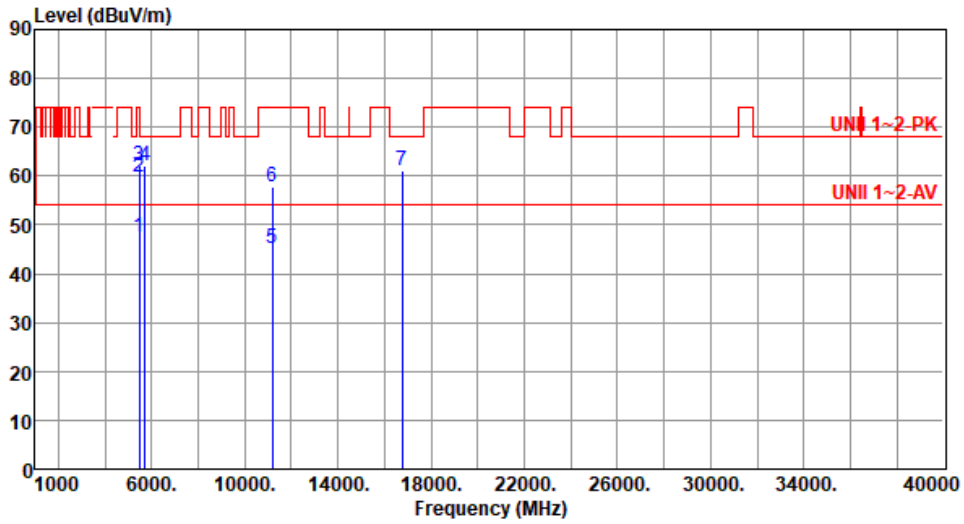


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.23	54.00	-8.77	40.56	4.67	Average	100	86
2	5460.00	58.46	74.00	-15.54	53.79	4.67	Peak	100	86
3	5470.00	61.48	68.20	-6.72	56.78	4.70	Peak	100	86
4	11020.00	45.18	54.00	-8.82	30.62	14.56	Average	100	93
5	11020.00	57.71	74.00	-16.29	43.15	14.56	Peak	100	93
6	16530.00	59.72	68.20	-8.48	43.48	16.24	Peak	100	67

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

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

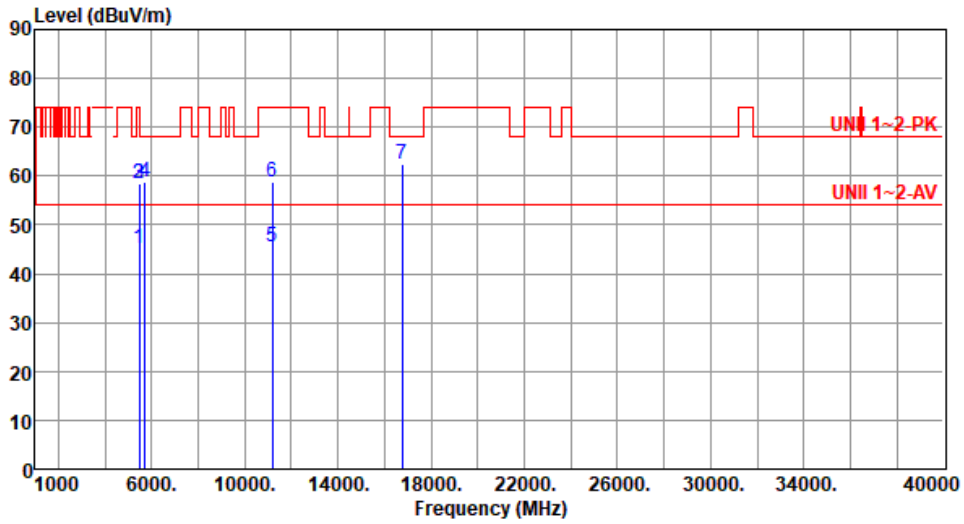


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.63	54.00	-6.37	42.96	4.67	Average	154	69
2	5460.00	59.63	74.00	-14.37	54.96	4.67	Peak	154	69
3	5470.00	61.95	68.20	-6.25	57.25	4.70	Peak	154	69
4	5725.00	62.13	68.20	-6.07	56.96	5.17	Peak	154	69
5	11180.00	45.09	54.00	-8.91	31.21	13.88	Average	100	172
6	11180.00	57.84	74.00	-16.16	43.96	13.88	Peak	100	172
7	16770.00	61.09	68.20	-7.11	43.74	17.35	Peak	100	88

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

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

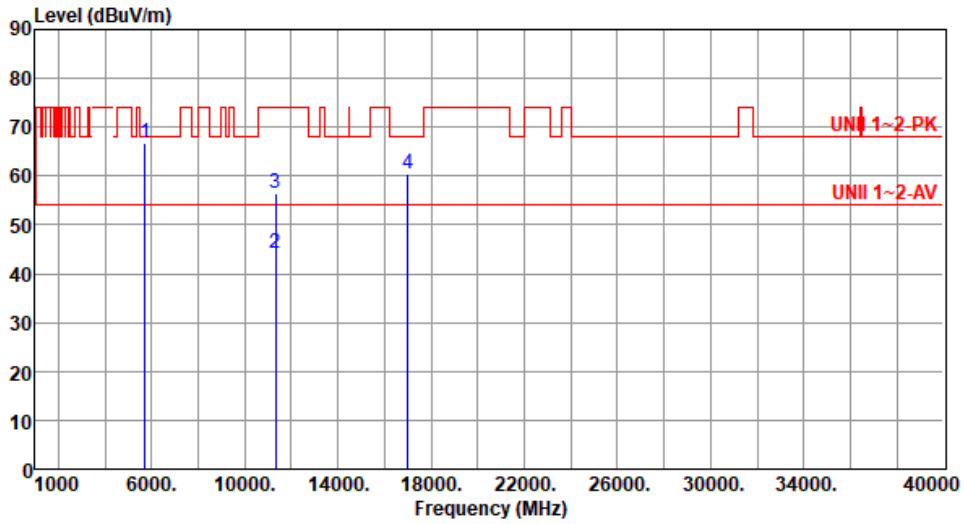


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.19	54.00	-8.81	40.52	4.67	Average	100	87
2	5460.00	58.34	74.00	-15.66	53.67	4.67	Peak	100	87
3	5470.00	58.48	68.20	-9.72	53.78	4.70	Peak	100	87
4	5725.00	58.79	68.20	-9.41	53.62	5.17	Peak	100	87
5	11180.00	45.54	54.00	-8.46	31.66	13.88	Average	100	96
6	11180.00	58.76	74.00	-15.24	44.88	13.88	Peak	100	96
7	16770.00	62.33	68.20	-5.87	44.98	17.35	Peak	100	95

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

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

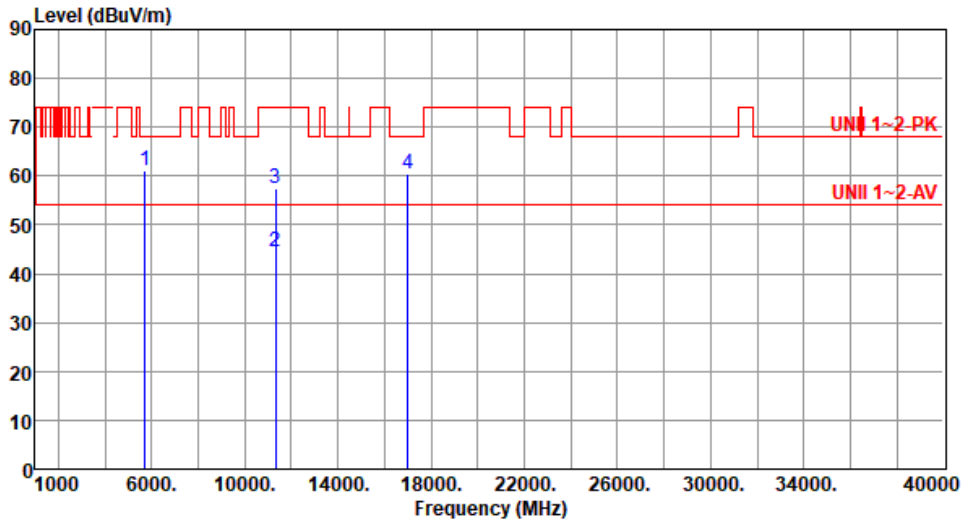


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	66.77	68.20	-1.43	61.60	5.17	Peak	147	69
2	11340.00	44.09	54.00	-9.91	30.11	13.98	Average	100	142
3	11340.00	56.29	74.00	-17.71	42.31	13.98	Peak	100	142
4	17010.00	60.29	68.20	-7.91	43.04	17.25	Peak	100	63

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

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

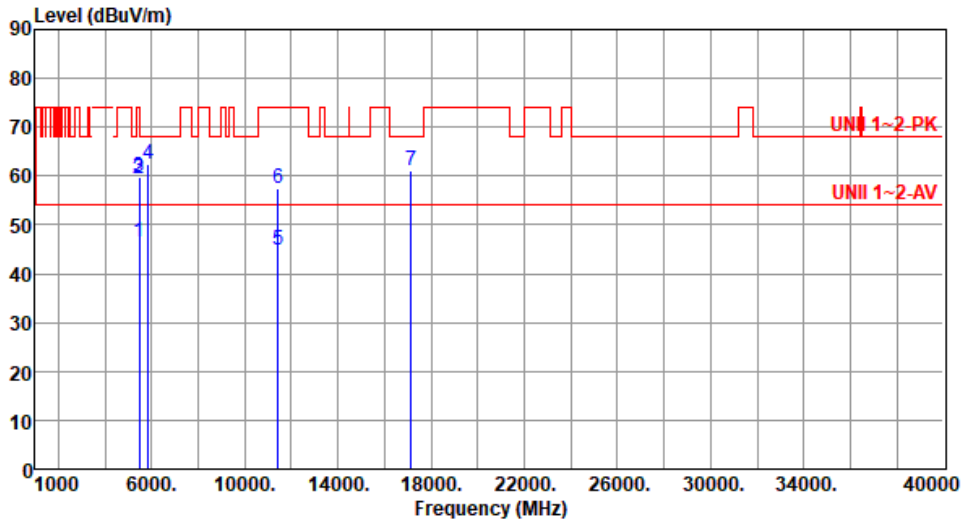


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	60.95	68.20	-7.25	55.78	5.17	Peak	100	125
2	11340.00	44.40	54.00	-9.60	30.42	13.98	Average	100	86
3	11340.00	57.31	74.00	-16.69	43.33	13.98	Peak	100	86
4	17010.00	60.52	68.20	-7.68	43.27	17.25	Peak	100	49

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

Modulation	VHT40	Test Freq. (MHz)	5710
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

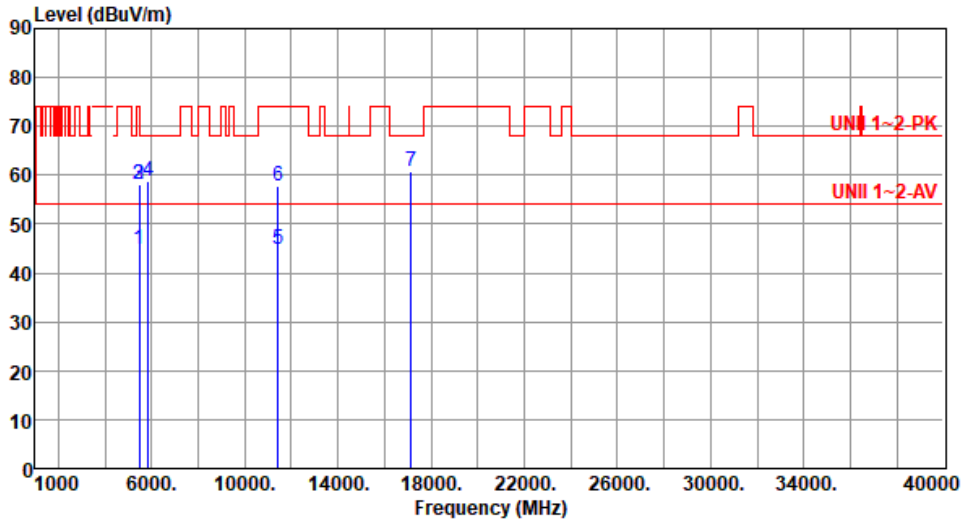


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.34	54.00	-7.66	41.67	4.67	Average	147	73
2	5460.00	59.38	74.00	-14.62	54.71	4.67	Peak	147	73
3	5470.00	59.65	68.20	-8.55	54.95	4.70	Peak	147	73
4	5850.00	62.33	68.20	-5.87	56.68	5.65	Peak	147	73
5	11420.00	44.72	54.00	-9.28	30.52	14.20	Average	100	168
6	11420.00	57.51	74.00	-16.49	43.31	14.20	Peak	100	168
7	17130.00	60.98	68.20	-7.22	43.55	17.43	Peak	100	193

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

Modulation	VHT40	**Test Freq. (MHz)**	5710
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

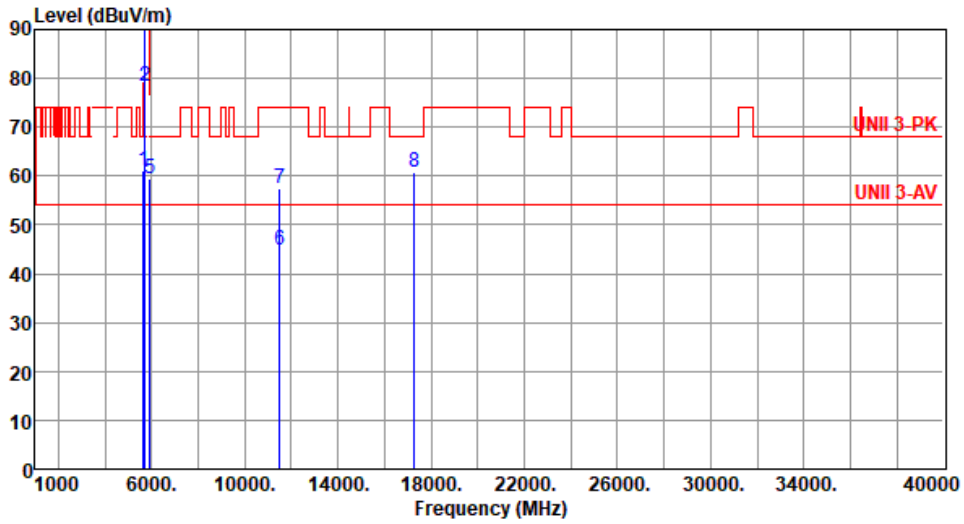


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.96	54.00	-9.04	40.29	4.67	Average	100	168
2	5460.00	57.99	74.00	-16.01	53.32	4.67	Peak	100	168
3	5470.00	58.25	68.20	-9.95	53.55	4.70	Peak	100	168
4	5850.00	58.75	68.20	-9.45	53.10	5.65	Peak	100	168
5	11420.00	44.88	54.00	-9.12	30.68	14.20	Average	100	145
6	11420.00	57.65	74.00	-16.35	43.45	14.20	Peak	100	165
7	17130.00	60.72	68.20	-7.48	43.29	17.43	Peak	100	173

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

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

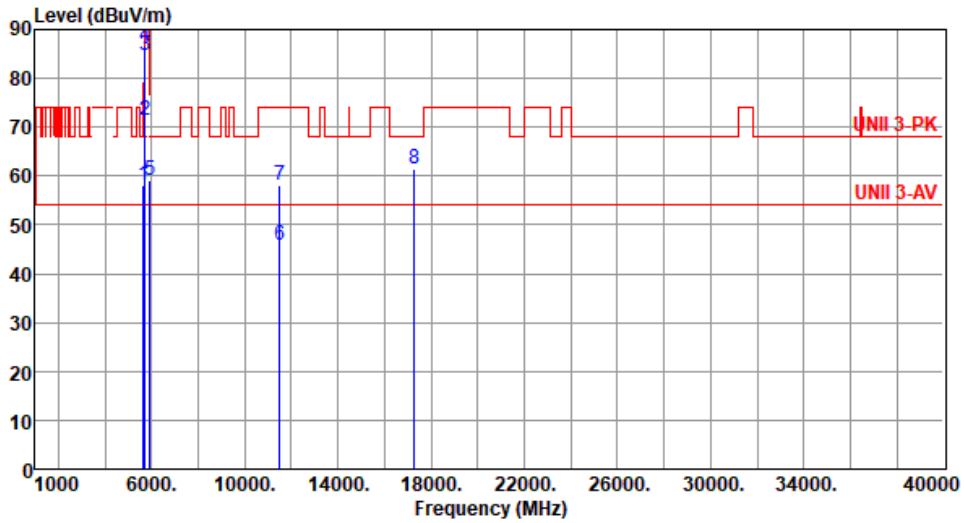


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	61.04	68.20	-7.16	56.23	4.81	Peak	153	70
2	5700.00	78.40	105.20	-26.80	73.38	5.02	Peak	153	70
3	5720.00	90.24	110.80	-20.56	85.10	5.14	Peak	153	70
4	5725.00	92.17	122.20	-30.03	87.00	5.17	Peak	153	70
5	5925.00	59.55	68.20	-8.65	53.94	5.61	Peak	153	70
6	11510.00	44.96	54.00	-9.04	30.56	14.40	Average	100	155
7	11510.00	57.61	74.00	-16.39	43.21	14.40	Peak	100	155
8	17265.00	60.94	68.20	-7.26	43.44	17.50	Peak	100	126

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

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

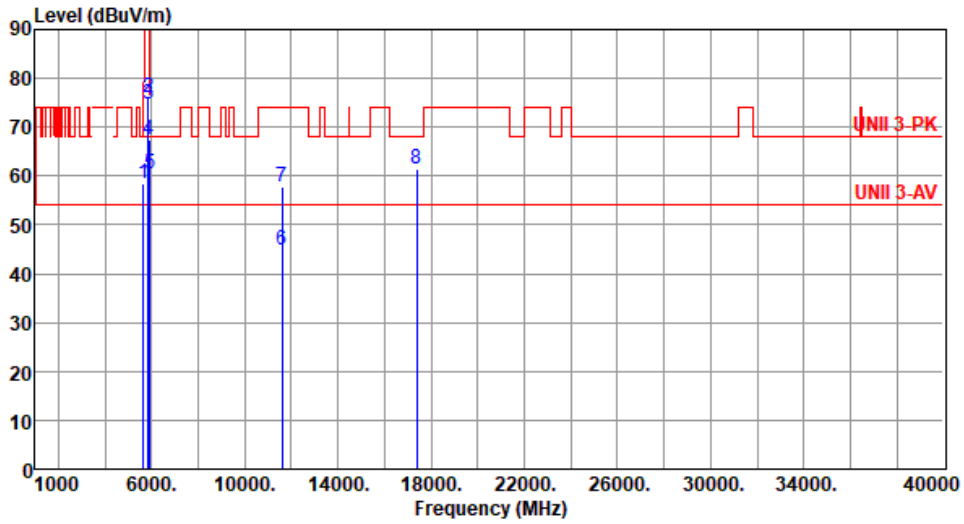


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.28	68.20	-9.92	53.47	4.81	Peak	100	122
2	5700.00	71.55	105.20	-33.65	66.53	5.02	Peak	100	122
3	5720.00	84.67	110.80	-26.13	79.53	5.14	Peak	100	122
4	5725.00	86.60	122.20	-35.60	81.43	5.17	Peak	100	122
5	5925.00	59.09	68.20	-9.11	53.48	5.61	Peak	100	122
6	11510.00	45.73	54.00	-8.27	31.33	14.40	Average	100	85
7	11510.00	58.09	74.00	-15.91	43.69	14.40	Peak	100	85
8	17265.00	61.46	68.20	-6.74	43.96	17.50	Peak	100	90

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

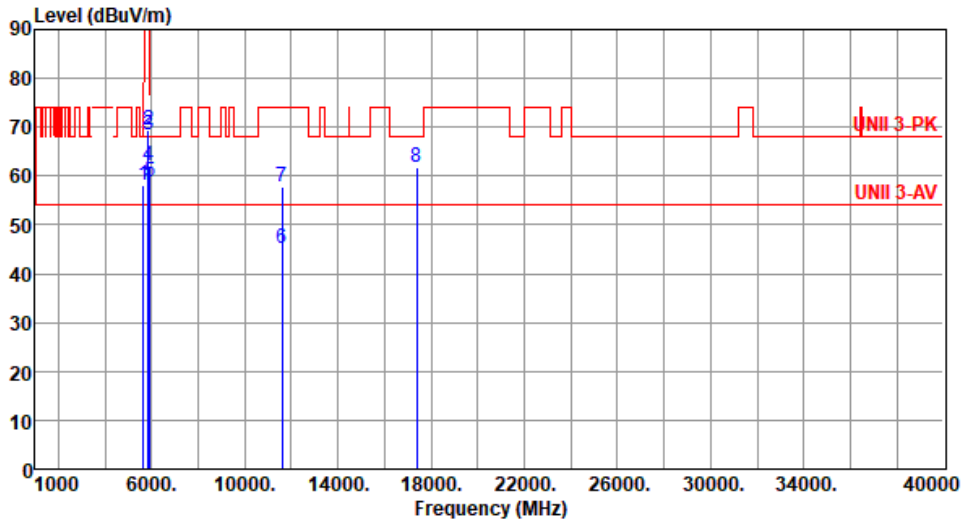


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.46	68.20	-9.74	53.65	4.81	Peak	142	72
2	5850.00	76.15	122.20	-46.05	70.50	5.65	Peak	142	72
3	5855.00	74.63	110.80	-36.17	68.98	5.65	Peak	142	72
4	5875.00	67.50	105.20	-37.70	61.84	5.66	Peak	142	72
5	5925.00	60.48	68.20	-7.72	54.87	5.61	Peak	142	72
6	11590.00	44.98	54.00	-9.02	30.79	14.19	Average	100	135
7	11590.00	57.68	74.00	-16.32	43.49	14.19	Peak	100	135
8	17385.00	61.40	68.20	-6.80	43.27	18.13	Peak	100	135

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68



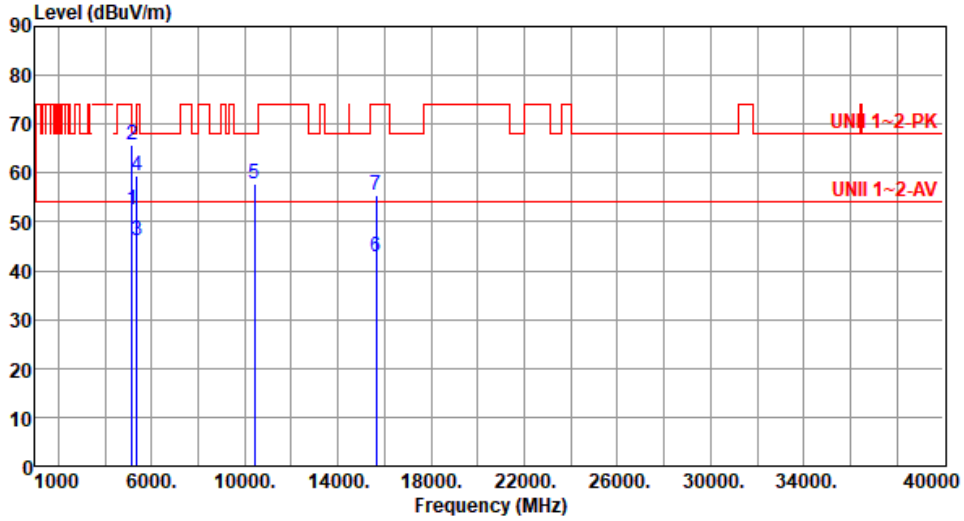
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.21	68.20	-9.99	53.40	4.81	Peak	100	86
2	5850.00	69.37	122.20	-52.83	63.72	5.65	Peak	100	86
3	5855.00	68.30	110.80	-42.50	62.65	5.65	Peak	100	86
4	5875.00	62.02	105.20	-43.18	56.36	5.66	Peak	100	86
5	5925.00	58.73	68.20	-9.47	53.12	5.61	Peak	100	86
6	11590.00	45.06	54.00	-8.94	30.87	14.19	Average	100	89
7	11590.00	57.75	74.00	-16.25	43.56	14.19	Peak	100	89
8	17385.00	61.90	68.20	-6.30	43.77	18.13	Peak	100	93

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

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):21 Humidity(%):68

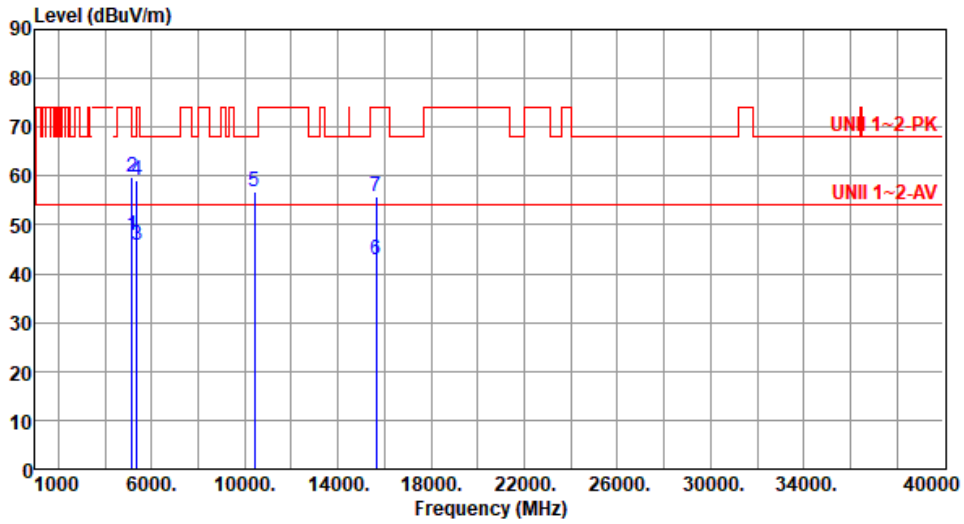


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.54	54.00	-1.46	47.53	5.01	Average	174	86
2	5150.00	65.86	74.00	-8.14	60.85	5.01	Peak	174	86
3	5350.00	46.29	54.00	-7.71	41.87	4.42	Average	174	86
4	5350.00	59.29	74.00	-14.71	54.87	4.42	Peak	174	86
5	10420.00	57.94	68.20	-10.26	43.58	14.36	Peak	100	145
6	15630.00	42.90	54.00	-11.10	29.55	13.35	Average	100	155
7	15630.00	55.50	74.00	-18.50	42.15	13.35	Peak	100	155

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

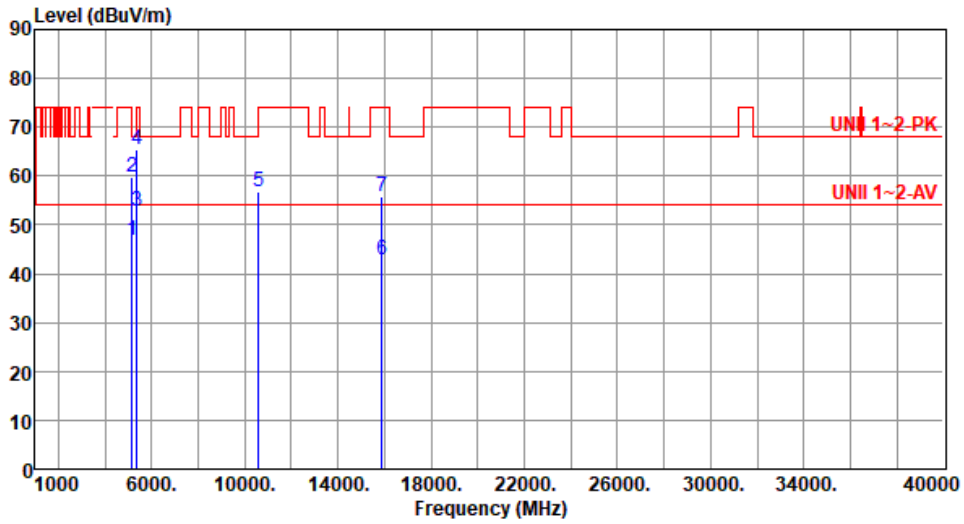


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.73	54.00	-6.27	42.72	5.01	Average	100	119
2	5150.00	59.91	74.00	-14.09	54.90	5.01	Peak	100	119
3	5350.00	45.97	54.00	-8.03	41.55	4.42	Average	100	119
4	5350.00	58.98	74.00	-15.02	54.56	4.42	Peak	100	119
5	10420.00	56.91	68.20	-11.29	42.55	14.36	Peak	100	133
6	15630.00	42.90	54.00	-11.10	29.55	13.35	Average	100	144
7	15630.00	55.86	74.00	-18.14	42.51	13.35	Peak	100	144

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

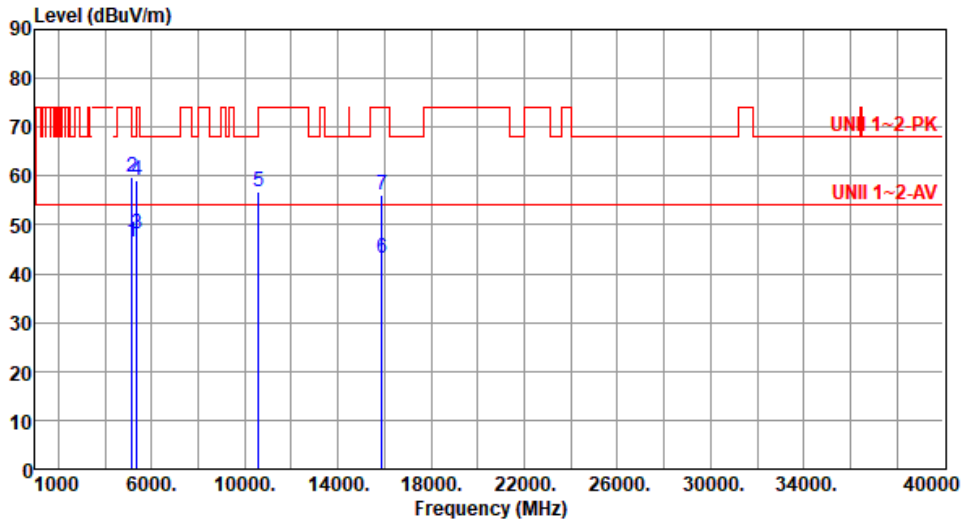


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.77	54.00	-7.23	41.76	5.01	Average	158	88
2	5150.00	59.91	74.00	-14.09	54.90	5.01	Peak	158	88
3	5350.00	52.93	54.00	-1.07	48.51	4.42	Average	158	88
4	5350.00	65.27	74.00	-8.73	60.85	4.42	Peak	158	88
5	10580.00	56.82	68.20	-11.38	42.44	14.38	Peak	100	127
6	15870.00	42.81	54.00	-11.19	29.26	13.55	Average	100	147
7	15870.00	55.75	74.00	-18.25	42.20	13.55	Peak	100	147

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

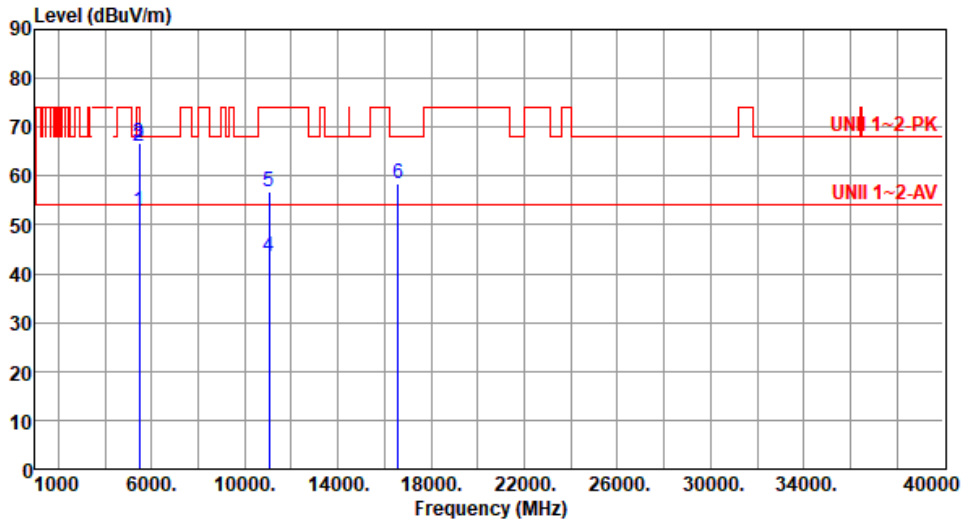


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.57	54.00	-7.43	41.56	5.01	Average	191	99
2	5150.00	59.68	74.00	-14.32	54.67	5.01	Peak	191	99
3	5350.00	48.04	54.00	-5.96	43.62	4.42	Average	191	99
4	5350.00	58.99	74.00	-15.01	54.57	4.42	Peak	191	99
5	10580.00	56.69	68.20	-11.51	42.31	14.38	Peak	100	68
6	15870.00	43.22	54.00	-10.78	29.67	13.55	Average	100	71
7	15870.00	56.23	74.00	-17.77	42.68	13.55	Peak	100	71

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

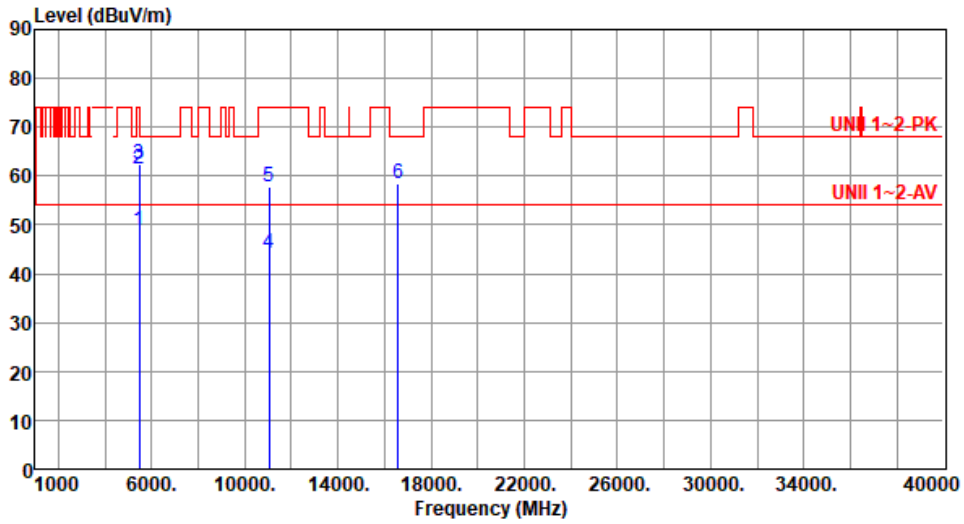


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	52.79	54.00	-1.21	48.12	4.67	Average	145	79
2	5460.00	66.12	74.00	-7.88	61.45	4.67	Peak	145	79
3	5470.00	66.92	68.20	-1.28	62.22	4.70	Peak	145	79
4	11060.00	43.54	54.00	-10.46	29.15	14.39	Average	100	143
5	11060.00	56.94	74.00	-17.06	42.55	14.39	Peak	100	143
6	16590.00	58.31	68.20	-9.89	42.27	16.04	Peak	100	156

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

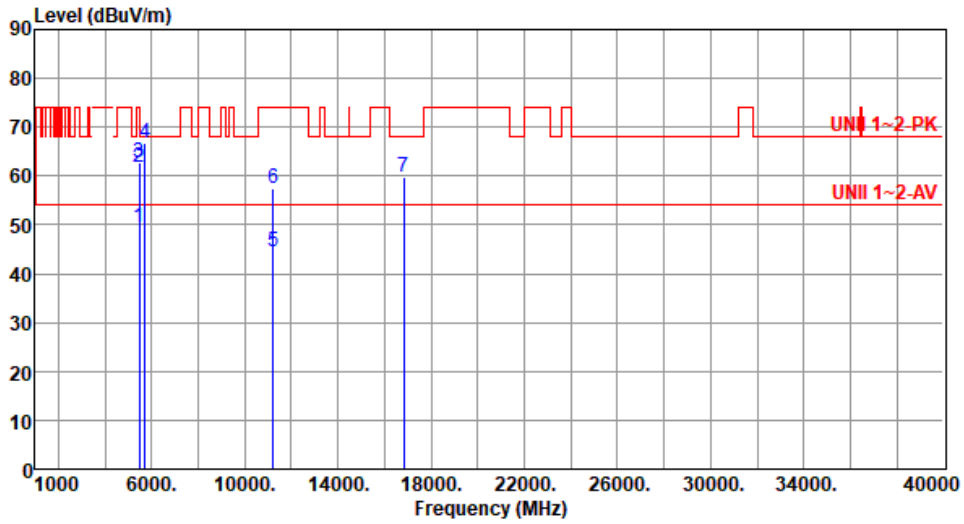


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	48.83	54.00	-5.17	44.16	4.67	Average	108	109
2	5460.00	61.43	74.00	-12.57	56.76	4.67	Peak	108	109
3	5470.00	62.55	68.20	-5.65	57.85	4.70	Peak	108	109
4	11060.00	44.16	54.00	-9.84	29.77	14.39	Average	100	152
5	11060.00	57.66	74.00	-16.34	43.27	14.39	Peak	100	152
6	16590.00	58.53	68.20	-9.67	42.49	16.04	Peak	100	157

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

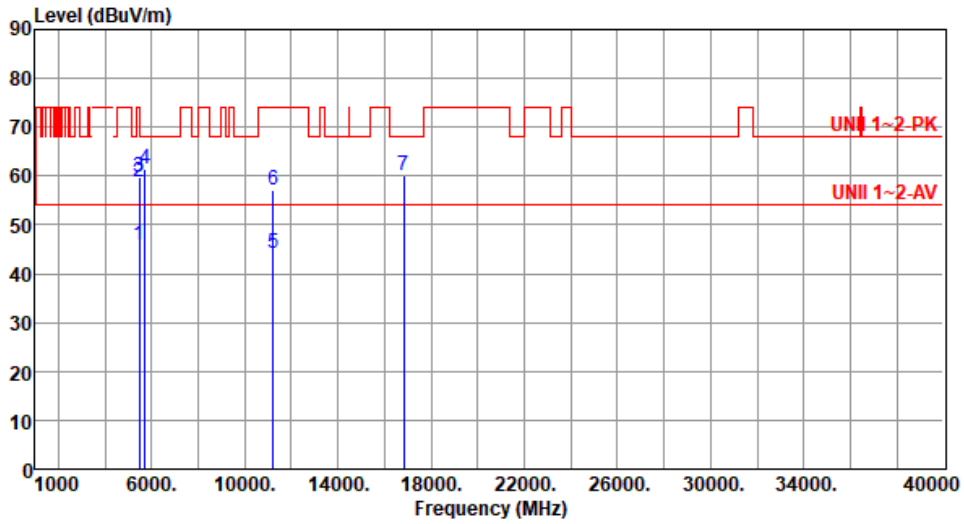


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	49.47	54.00	-4.53	44.80	4.67	Average	153	74
2	5460.00	61.67	74.00	-12.33	57.00	4.67	Peak	153	74
3	5470.00	62.66	68.20	-5.54	57.96	4.70	Peak	153	74
4	5725.00	66.71	68.20	-1.49	61.54	5.17	Peak	153	74
5	11220.00	44.49	54.00	-9.51	30.67	13.82	Average	100	143
6	11220.00	57.50	74.00	-16.50	43.68	13.82	Peak	100	143
7	16830.00	59.72	68.20	-8.48	42.26	17.46	Peak	100	145

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

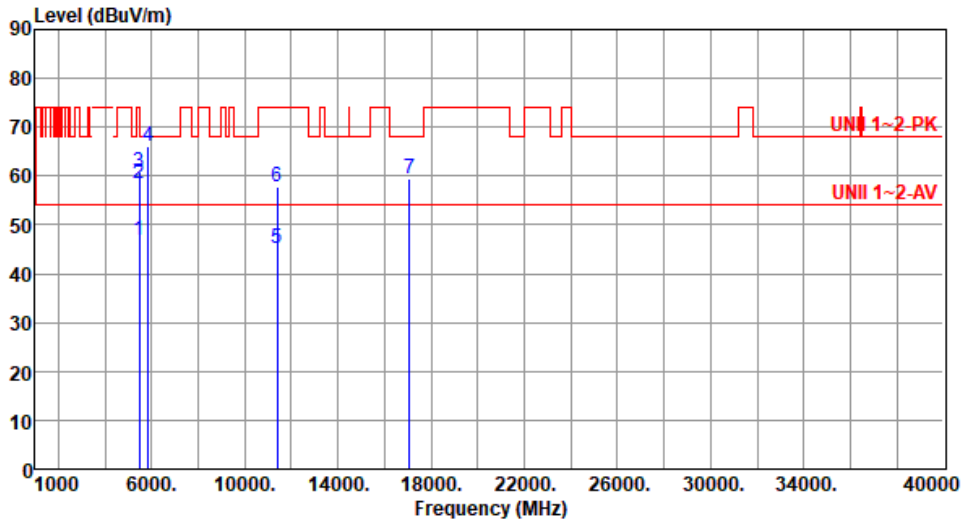


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.89	54.00	-8.11	41.22	4.67	Average	100	123
2	5460.00	58.80	74.00	-15.20	54.13	4.67	Peak	100	123
3	5470.00	59.82	68.20	-8.38	55.12	4.70	Peak	100	123
4	5725.00	61.48	68.20	-6.72	56.31	5.17	Peak	100	123
5	11220.00	44.19	54.00	-9.81	30.37	13.82	Average	100	145
6	11220.00	57.19	74.00	-16.81	43.37	13.82	Peak	100	145
7	16830.00	60.01	68.20	-8.19	42.55	17.46	Peak	100	153

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

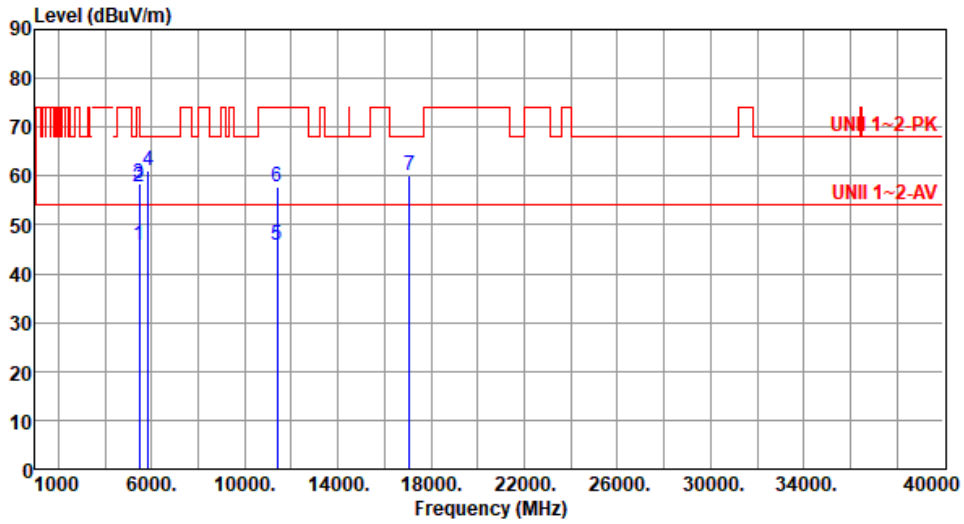


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.82	54.00	-7.18	42.15	4.67	Average	139	77
2	5460.00	58.45	74.00	-15.55	53.78	4.67	Peak	139	77
3	5470.00	60.64	68.20	-7.56	55.94	4.70	Peak	139	77
4	5850.00	66.15	68.20	-2.05	60.50	5.65	Peak	139	77
5	11380.00	45.30	54.00	-8.70	31.21	14.09	Average	100	158
6	11380.00	57.74	74.00	-16.26	43.65	14.09	Peak	100	158
7	17070.00	59.47	68.20	-8.73	42.10	17.37	Peak	100	149

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

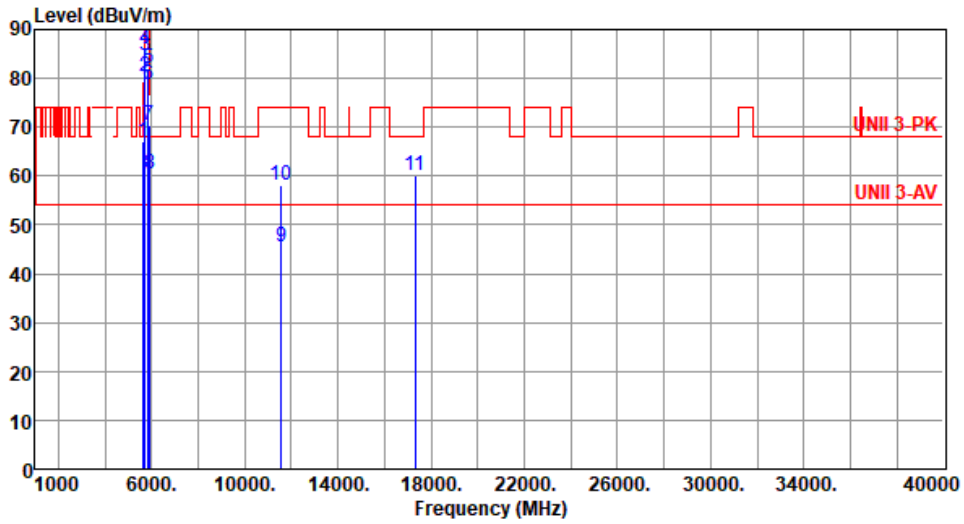


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.70	54.00	-8.30	41.03	4.67	Average	100	103
2	5460.00	57.93	74.00	-16.07	53.26	4.67	Peak	100	103
3	5470.00	58.51	68.20	-9.69	53.81	4.70	Peak	100	103
4	5850.00	61.13	68.20	-7.07	55.48	5.65	Peak	100	103
5	11380.00	45.78	54.00	-8.22	31.69	14.09	Average	100	175
6	11380.00	57.95	74.00	-16.05	43.86	14.09	Peak	100	175
7	17070.00	60.02	68.20	-8.18	42.65	17.37	Peak	100	168

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 Humidity(%):68

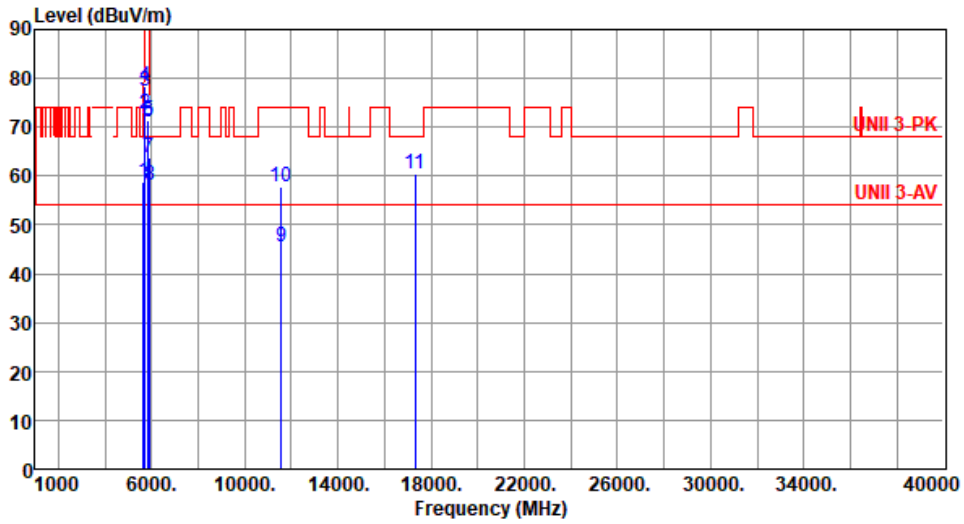


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	66.95	68.20	-1.25	62.14	4.81	Peak	130	70
2	5700.00	80.53	105.20	-24.67	75.51	5.02	Peak	130	70
3	5720.00	84.69	110.80	-26.11	79.55	5.14	Peak	130	70
4	5725.00	86.13	122.20	-36.07	80.96	5.17	Peak	130	70
5	5850.00	82.12	122.20	-40.08	76.47	5.65	Peak	130	70
6	5855.00	78.77	110.80	-32.03	73.12	5.65	Peak	130	70
7	5875.00	70.35	105.20	-34.85	64.69	5.66	Peak	130	70
8	5925.00	60.57	68.20	-7.63	54.96	5.61	Peak	130	70
9	11550.00	45.63	54.00	-8.37	31.33	14.30	Average	100	66
10	11550.00	57.97	74.00	-16.03	43.67	14.30	Peak	100	66
11	17325.00	59.99	68.20	-8.21	42.28	17.71	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):21 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	58.68	68.20	-9.52	53.87	4.81	Peak	100	101
2	5700.00	72.85	105.20	-32.35	67.83	5.02	Peak	100	101
3	5720.00	77.49	110.80	-33.31	72.35	5.14	Peak	100	101
4	5725.00	78.47	122.20	-43.73	73.30	5.17	Peak	100	101
5	5850.00	71.54	122.20	-50.66	65.89	5.65	Peak	100	101
6	5855.00	71.11	110.80	-39.69	65.46	5.65	Peak	100	101
7	5875.00	63.90	105.20	-41.30	58.24	5.66	Peak	100	101
8	5925.00	58.25	68.20	-9.95	52.64	5.61	Peak	100	101
9	11550.00	45.63	54.00	-8.37	31.33	14.30	Average	100	58
10	11550.00	57.94	74.00	-16.06	43.64	14.30	Peak	100	58
11	17325.00	60.37	68.20	-7.83	42.66	17.71	Peak	100	41

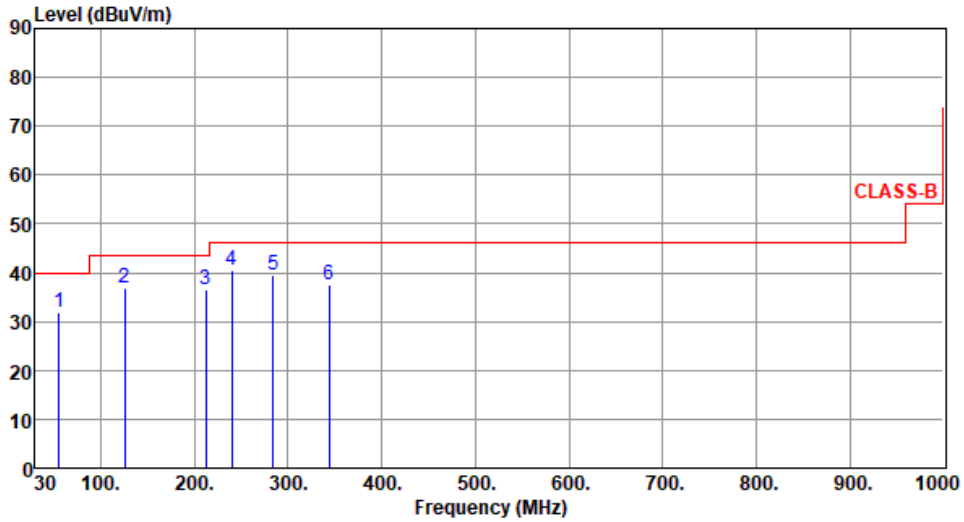
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Test Configuration 2

3.5.5 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

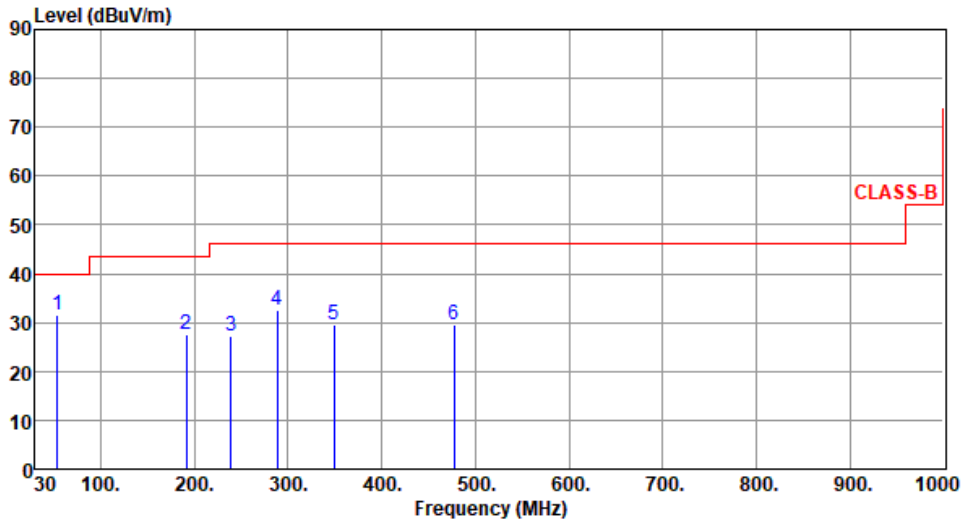


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	55.59	31.95	40.00	-8.05	40.94	-8.99	Peak	---	---
2	125.26	36.91	43.50	-6.59	47.16	-10.25	Peak	---	---
3	212.46	36.49	43.50	-7.01	48.44	-11.95	Peak	---	---
4	239.58	40.41	46.00	-5.59	50.84	-10.43	Peak	---	---
5	284.26	39.56	46.00	-6.44	48.14	-8.58	Peak	---	---
6	343.59	37.61	46.00	-8.39	44.84	-7.23	Peak	---	---

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

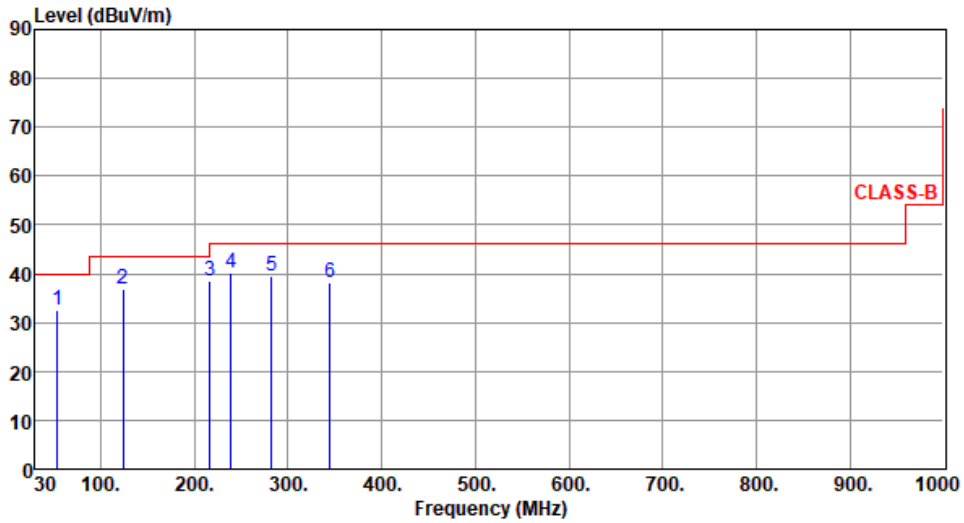


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	53.61	31.69	40.00	-8.31	40.56	-8.87	Peak	---	---
2	191.26	27.58	43.50	-15.92	39.11	-11.53	Peak	---	---
3	239.16	27.19	46.00	-18.81	37.66	-10.47	Peak	---	---
4	288.29	32.68	46.00	-13.32	41.11	-8.43	Peak	---	---
5	349.28	29.66	46.00	-16.34	36.76	-7.10	Peak	---	---
6	477.59	29.67	46.00	-16.33	33.48	-3.81	Peak	---	---

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

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

Test By :Brad Wu Temperature(℃):24 Humidity(%):65

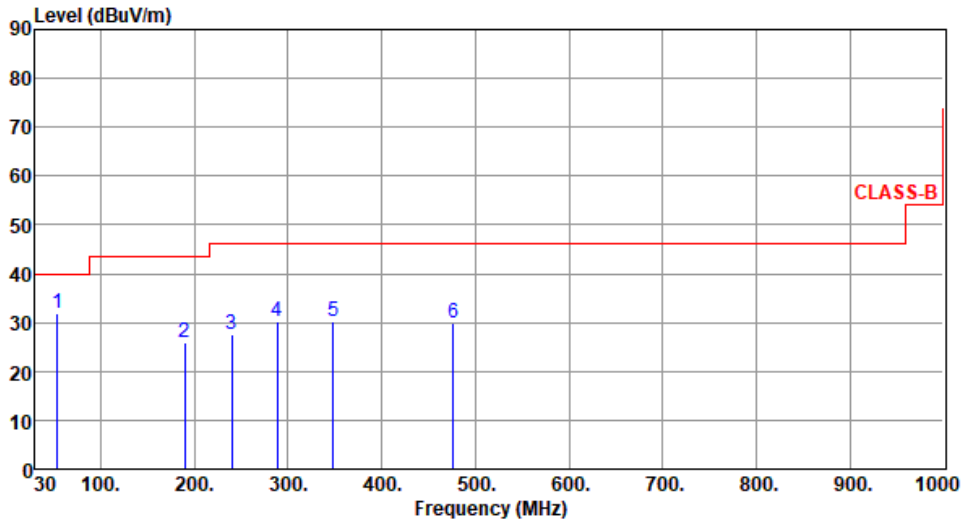


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	53.68	32.59	40.00	-7.41	41.48	-8.89	Peak	---	---
2	123.95	36.81	43.50	-6.69	47.11	-10.30	Peak	---	---
3	216.59	38.59	46.00	-7.41	50.53	-11.94	Peak	---	---
4	239.22	40.35	46.00	-5.65	50.82	-10.47	Peak	---	---
5	282.46	39.37	46.00	-6.63	47.99	-8.62	Peak	---	---
6	344.59	38.19	46.00	-7.81	45.40	-7.21	Peak	---	---

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

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

Test By :Brad Wu Temperature(℃):24 Humidity(%):65



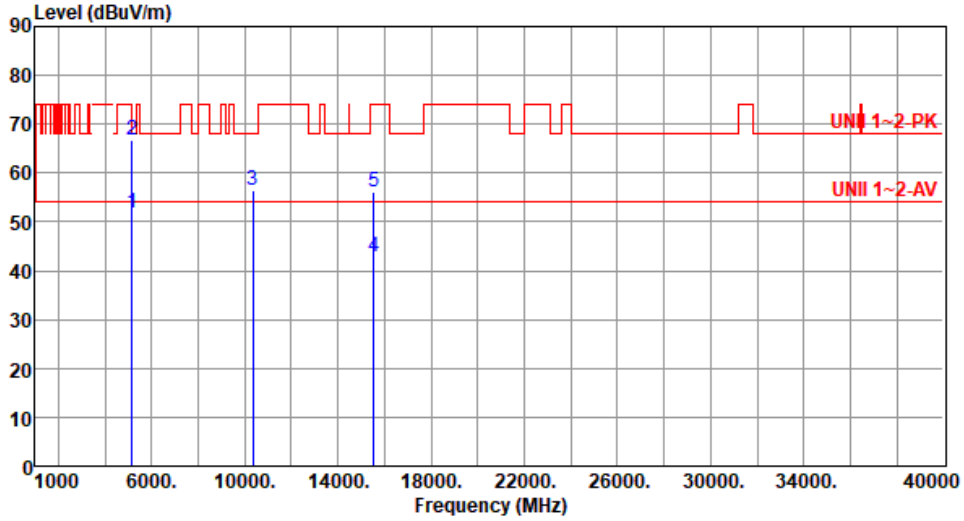
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	53.66	31.95	40.00	-8.05	40.84	-8.89	Peak	---	---
2	189.29	25.91	43.50	-17.59	37.24	-11.33	Peak	---	---
3	240.29	27.46	46.00	-18.54	37.84	-10.38	Peak	---	---
4	288.26	30.37	46.00	-15.63	38.80	-8.43	Peak	---	---
5	348.59	30.12	46.00	-15.88	37.24	-7.12	Peak	---	---
6	476.59	29.95	46.00	-16.05	33.78	-3.83	Peak	---	---

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

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

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

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

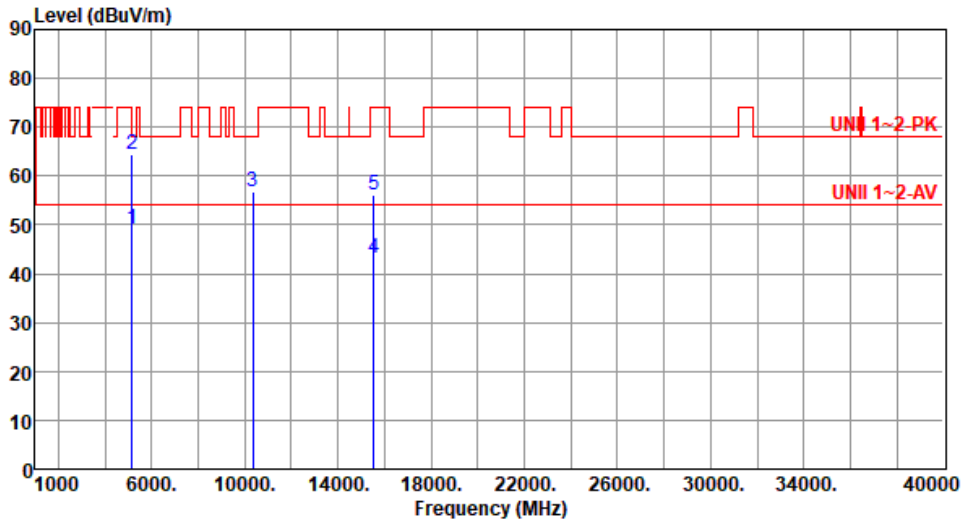


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.97	54.00	-2.03	46.96	5.01	Average	100	195
2	5150.00	66.87	74.00	-7.13	61.86	5.01	Peak	100	195
3	10360.00	56.51	68.20	-11.69	42.30	14.21	Peak	100	60
4	15540.00	42.89	54.00	-11.11	29.25	13.64	Average	100	30
5	15540.00	56.07	74.00	-17.93	42.43	13.64	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

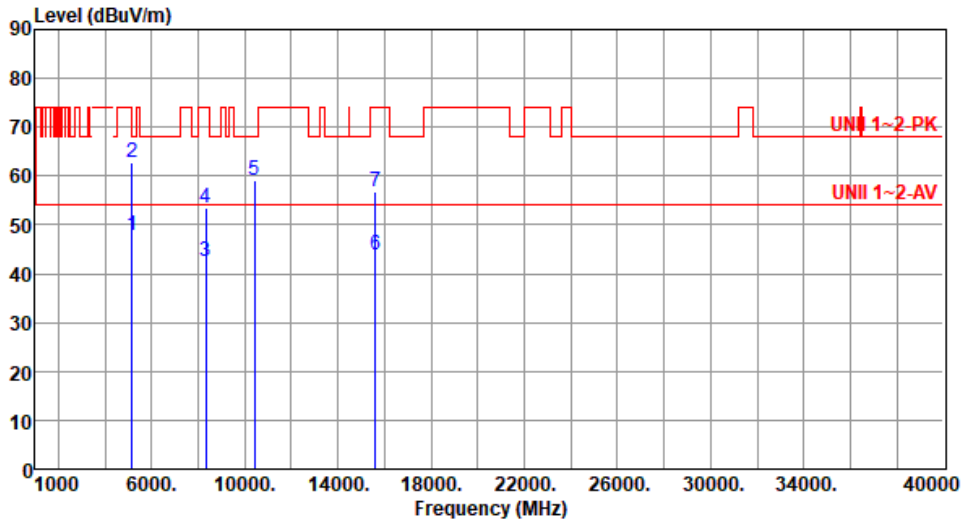


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	49.27	54.00	-4.73	44.26	5.01	Average	335	155
2	5150.00	64.27	74.00	-9.73	59.26	5.01	Peak	335	155
3	10360.00	56.78	68.20	-11.42	42.57	14.21	Peak	100	195
4	15540.00	43.09	54.00	-10.91	29.45	13.64	Average	100	105
5	15540.00	56.23	74.00	-17.77	42.59	13.64	Peak	100	105

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

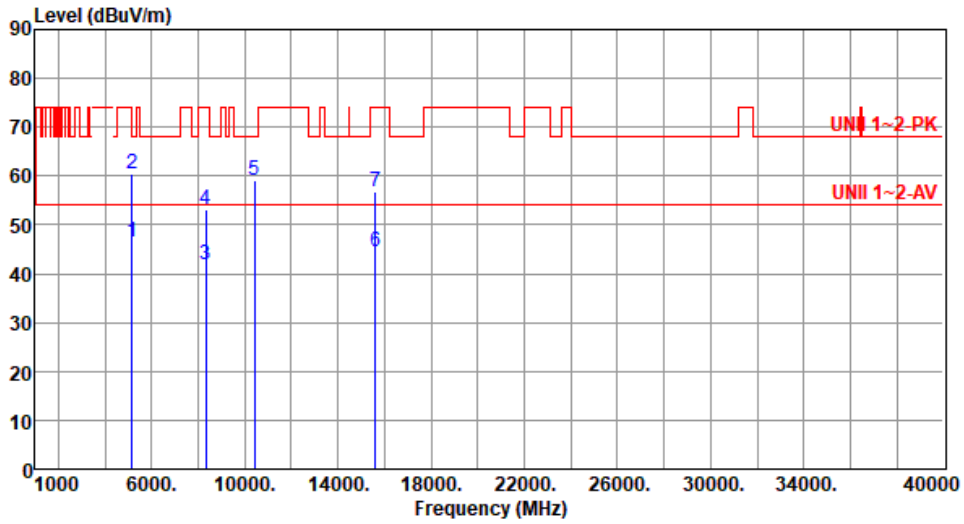


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.84	54.00	-6.16	42.83	5.01	Average	100	190
2	5150.00	62.65	74.00	-11.35	57.64	5.01	Peak	100	190
3	8320.00	42.46	54.00	-11.54	32.63	9.83	Average	100	138
4	8320.00	53.52	74.00	-20.48	43.69	9.83	Peak	100	138
5	10400.00	59.19	68.20	-9.01	44.86	14.33	Peak	202	32
6	15600.00	43.89	54.00	-10.11	30.56	13.33	Average	100	347
7	15600.00	56.91	74.00	-17.09	43.58	13.33	Peak	100	347

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

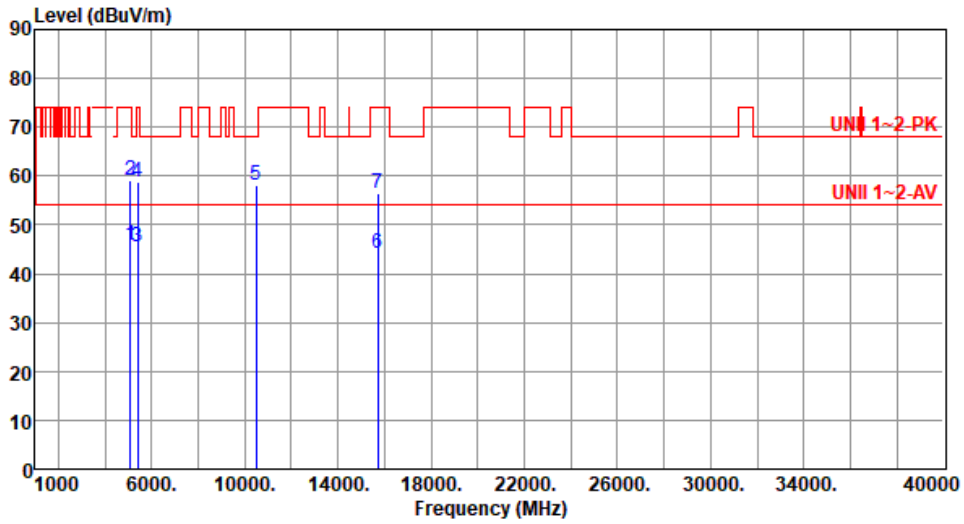


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.35	54.00	-7.65	41.34	5.01	Average	333	157
2	5150.00	60.57	74.00	-13.43	55.56	5.01	Peak	333	157
3	8320.00	41.70	54.00	-12.30	31.87	9.83	Average	225	221
4	8320.00	53.28	74.00	-20.72	43.45	9.83	Peak	225	221
5	10400.00	59.22	68.20	-8.98	44.89	14.33	Peak	101	197
6	15600.00	44.62	54.00	-9.38	31.29	13.33	Average	219	103
7	15600.00	56.81	74.00	-17.19	43.48	13.33	Peak	219	103

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

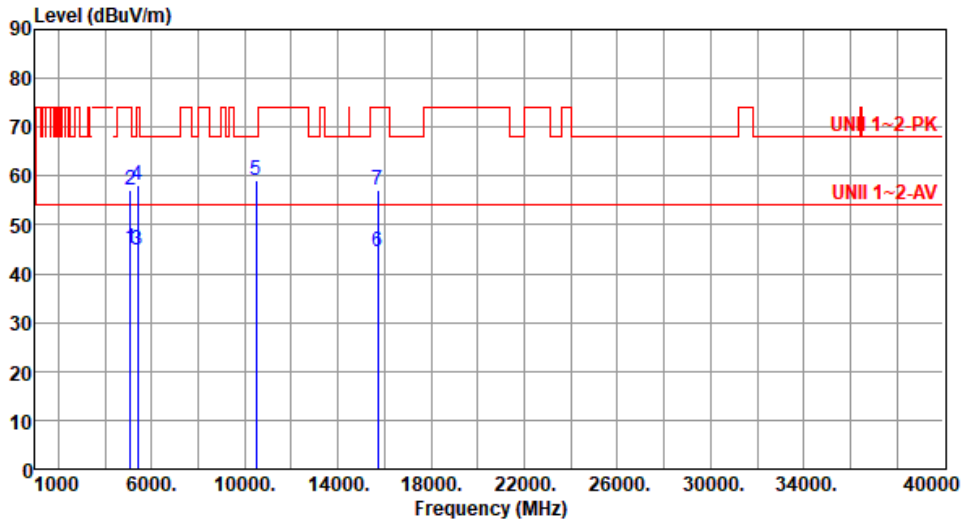


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5080.00	45.97	54.00	-8.03	41.42	4.55	Average	100	197
2	5080.00	59.11	74.00	-14.89	54.56	4.55	Peak	100	197
3	5400.00	45.43	54.00	-8.57	40.79	4.64	Average	100	197
4	5400.00	58.93	74.00	-15.07	54.29	4.64	Peak	100	197
5	10480.00	58.06	68.20	-10.14	43.60	14.46	Peak	206	39
6	15720.00	44.02	54.00	-9.98	30.60	13.42	Average	100	344
7	15720.00	56.41	74.00	-17.59	42.99	13.42	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

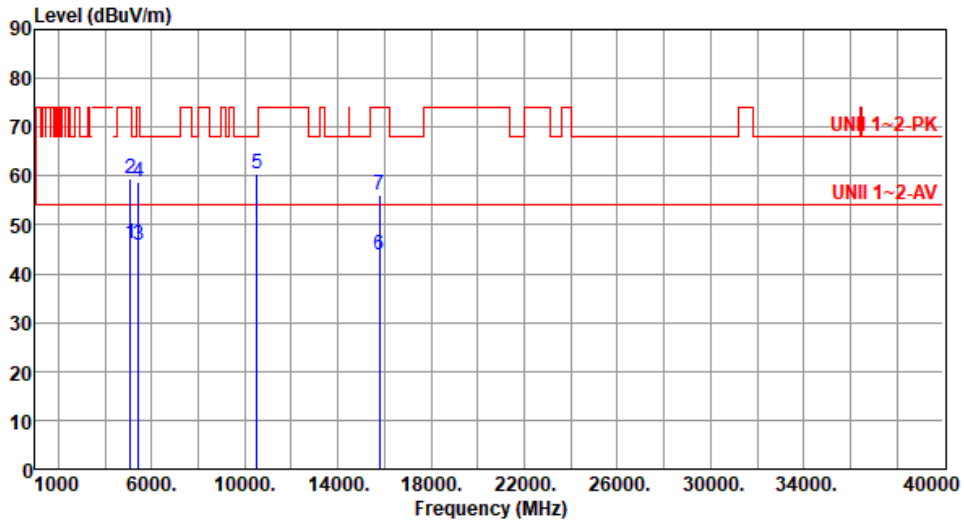


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5080.00	45.18	54.00	-8.82	40.63	4.55	Average	330	153
2	5080.00	57.18	74.00	-16.82	52.63	4.55	Peak	330	153
3	5400.00	44.89	54.00	-9.11	40.25	4.64	Average	330	153
4	5400.00	58.27	74.00	-15.73	53.63	4.64	Peak	330	153
5	10480.00	59.12	68.20	-9.08	44.66	14.46	Peak	105	195
6	15720.00	44.58	54.00	-9.42	31.16	13.42	Average	220	109
7	15720.00	57.07	74.00	-16.93	43.65	13.42	Peak	220	109

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

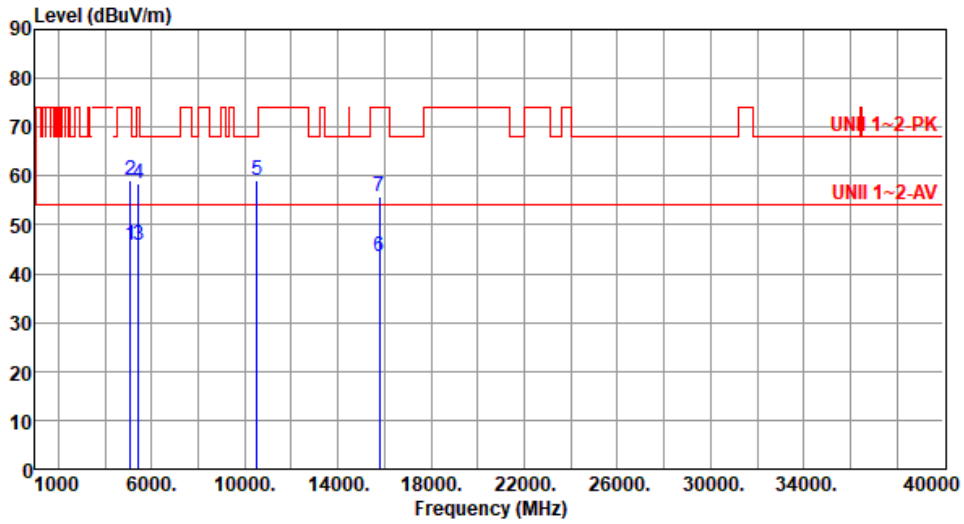


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5100.00	46.02	54.00	-7.98	41.22	4.80	Average	100	196
2	5100.00	59.35	74.00	-14.65	54.55	4.80	Peak	100	196
3	5420.00	45.96	54.00	-8.04	41.31	4.65	Average	100	196
4	5420.00	58.81	74.00	-15.19	54.16	4.65	Peak	100	196
5	10520.00	60.32	68.20	-7.88	45.85	14.47	Peak	330	195
6	15780.00	43.72	54.00	-10.28	30.24	13.48	Average	100	190
7	15780.00	56.03	74.00	-17.97	42.55	13.48	Peak	100	190

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

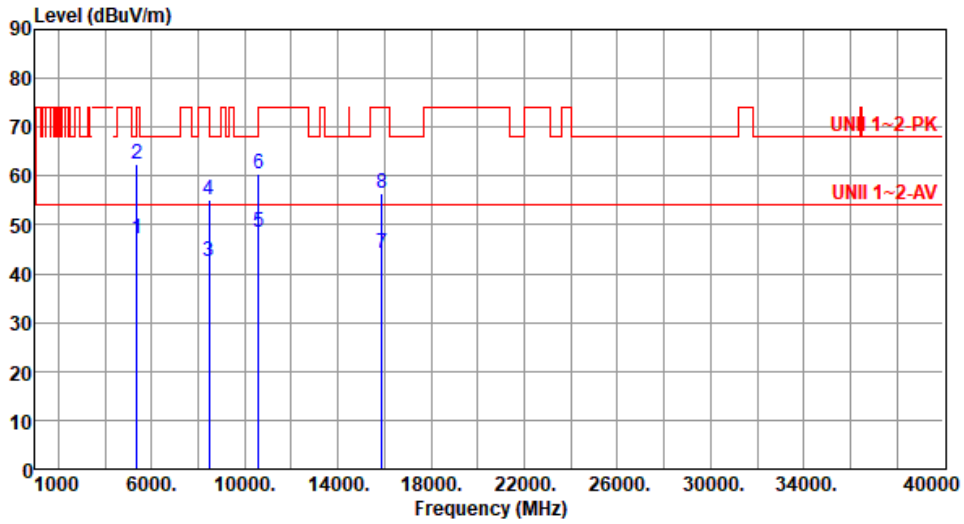


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5100.00	45.85	54.00	-8.15	41.05	4.80	Average	333	153
2	5100.00	59.05	74.00	-14.95	54.25	4.80	Peak	333	153
3	5420.00	45.90	54.00	-8.10	41.25	4.65	Average	333	153
4	5420.00	58.31	74.00	-15.69	53.66	4.65	Peak	333	153
5	10520.00	59.15	68.20	-9.05	44.68	14.47	Peak	100	5
6	15780.00	43.62	54.00	-10.38	30.14	13.48	Average	105	33
7	15780.00	55.90	74.00	-18.10	42.42	13.48	Peak	105	33

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

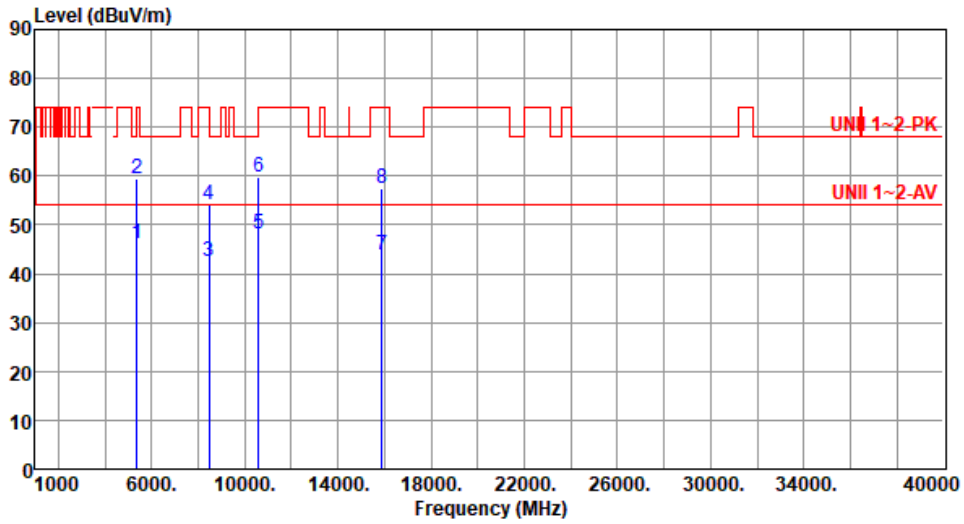


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.10	54.00	-6.90	42.68	4.42	Average	100	190
2	5350.00	62.31	74.00	-11.69	57.89	4.42	Peak	100	190
3	8480.00	42.64	54.00	-11.36	32.30	10.34	Average	105	137
4	8480.00	55.19	74.00	-18.81	44.85	10.34	Peak	105	137
5	10600.00	48.62	54.00	-5.38	34.27	14.35	Average	329	197
6	10600.00	60.43	74.00	-13.57	46.08	14.35	Peak	329	197
7	15900.00	44.23	54.00	-9.77	30.66	13.57	Average	100	195
8	15900.00	56.45	74.00	-17.55	42.88	13.57	Peak	100	195

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

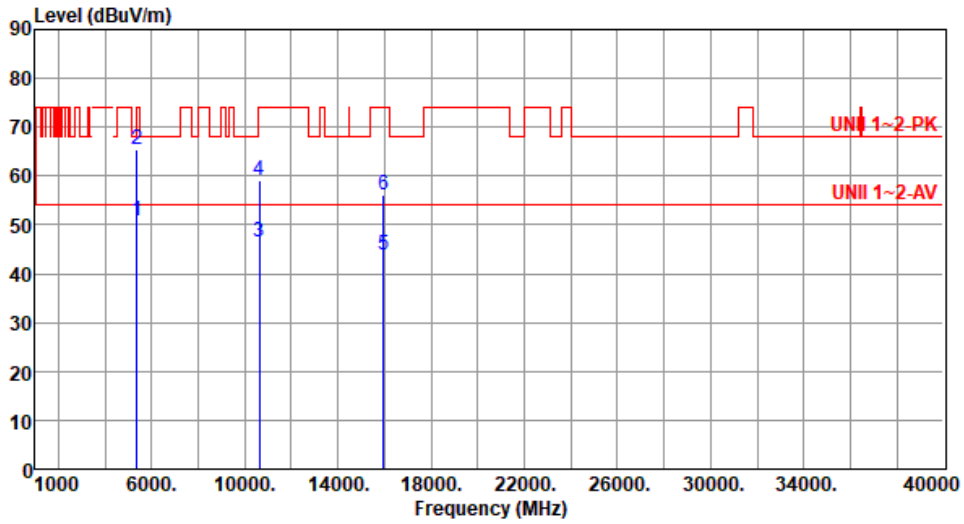


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.08	54.00	-7.92	41.66	4.42	Average	339	151
2	5350.00	59.30	74.00	-14.70	54.88	4.42	Peak	339	151
3	8480.00	42.48	54.00	-11.52	32.14	10.34	Average	211	229
4	8480.00	54.00	74.00	-20.00	43.66	10.34	Peak	211	229
5	10600.00	48.12	54.00	-5.88	33.77	14.35	Average	100	1
6	10600.00	59.87	74.00	-14.13	45.52	14.35	Peak	100	1
7	15900.00	43.92	54.00	-10.08	30.35	13.57	Average	102	31
8	15900.00	57.42	74.00	-16.58	43.85	13.57	Peak	102	31

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

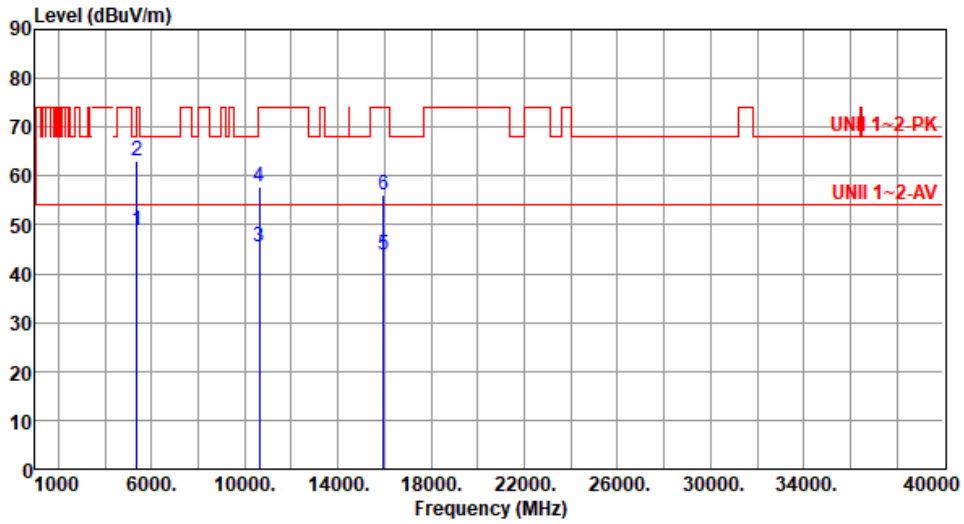


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	50.96	54.00	-3.04	46.54	4.42	Average	100	197
2	5350.00	65.48	74.00	-8.52	61.06	4.42	Peak	100	197
3	10640.00	46.53	54.00	-7.47	32.16	14.37	Average	330	195
4	10640.00	58.96	74.00	-15.04	44.59	14.37	Peak	330	195
5	15960.00	43.80	54.00	-10.20	30.12	13.68	Average	100	40
6	15960.00	56.14	74.00	-17.86	42.46	13.68	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

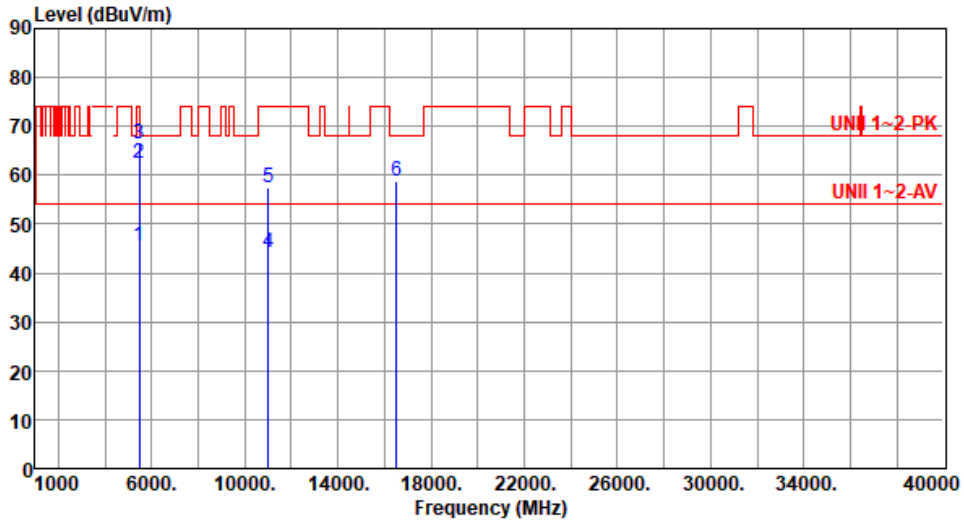


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	48.97	54.00	-5.03	44.55	4.42	Average	326	157
2	5350.00	62.97	74.00	-11.03	58.55	4.42	Peak	326	157
3	10640.00	45.59	54.00	-8.41	31.22	14.37	Average	100	6
4	10640.00	57.80	74.00	-16.20	43.43	14.37	Peak	100	6
5	15960.00	43.74	54.00	-10.26	30.06	13.68	Average	100	20
6	15960.00	56.02	74.00	-17.98	42.34	13.68	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

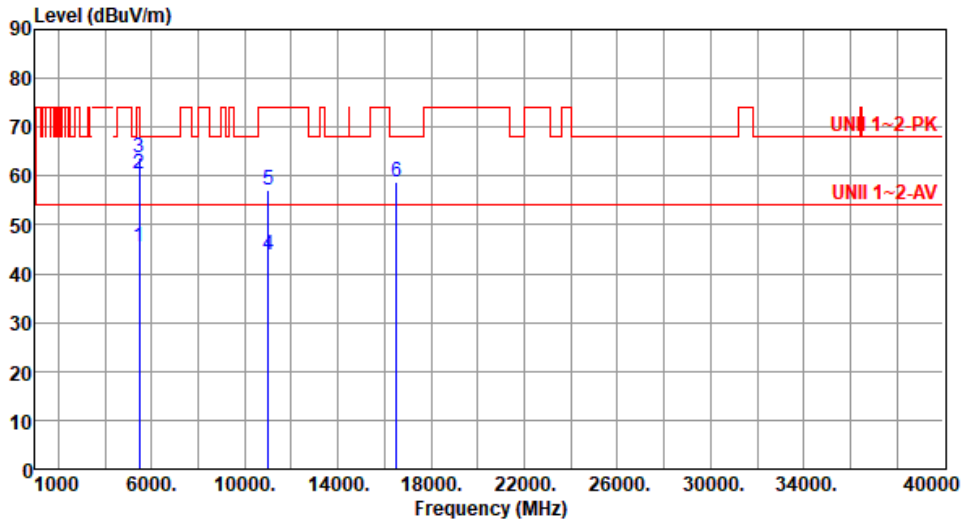


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.63	54.00	-8.37	40.96	4.67	Average	255	24
2	5460.00	62.55	74.00	-11.45	57.88	4.67	Peak	255	24
3	5470.00	66.50	68.20	-1.70	61.80	4.70	Peak	255	24
4	11000.00	44.10	54.00	-9.90	29.45	14.65	Average	100	60
5	11000.00	57.32	74.00	-16.68	42.67	14.65	Peak	100	60
6	16500.00	58.80	68.20	-9.40	42.46	16.34	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

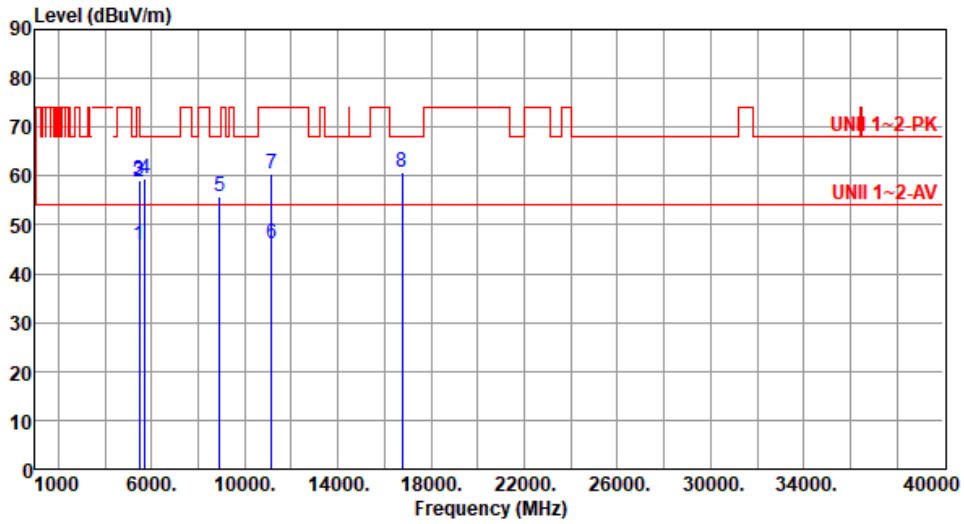


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.45	54.00	-8.55	40.78	4.67	Average	100	130
2	5460.00	60.56	74.00	-13.44	55.89	4.67	Peak	100	130
3	5470.00	63.70	68.20	-4.50	59.00	4.70	Peak	100	130
4	11000.00	43.87	54.00	-10.13	29.22	14.65	Average	100	40
5	11000.00	57.11	74.00	-16.89	42.46	14.65	Peak	100	40
6	16500.00	58.67	68.20	-9.53	42.33	16.34	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

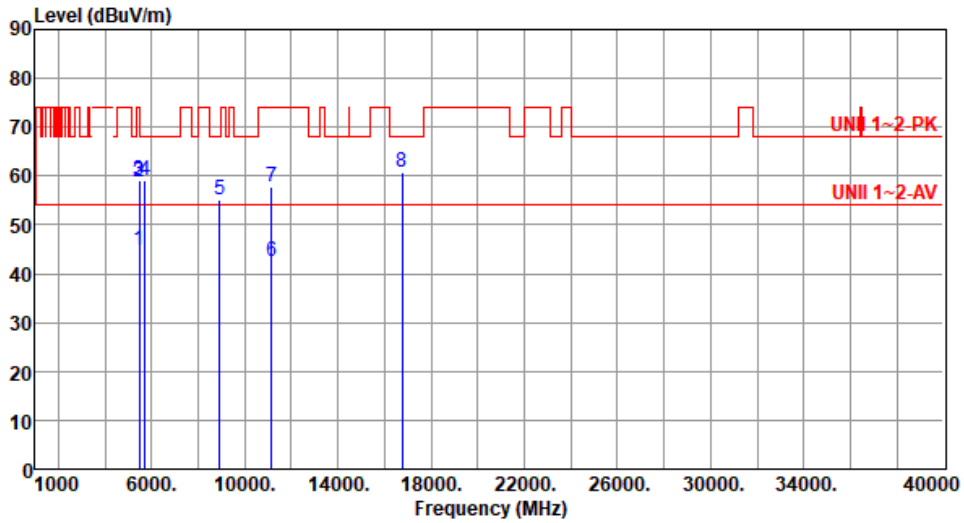


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.70	54.00	-8.30	41.03	4.67	Average	262	23
2	5460.00	58.70	74.00	-15.30	54.03	4.67	Peak	262	23
3	5470.00	58.96	68.20	-9.24	54.26	4.70	Peak	262	23
4	5725.00	59.50	68.20	-8.70	54.33	5.17	Peak	262	23
5	8928.00	55.80	68.20	-12.40	43.97	11.83	Peak	107	138
6	11160.00	46.14	54.00	-7.86	32.17	13.97	Average	248	105
7	11160.00	60.35	74.00	-13.65	46.38	13.97	Peak	248	105
8	16740.00	60.72	68.20	-7.48	43.55	17.17	Peak	100	101

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

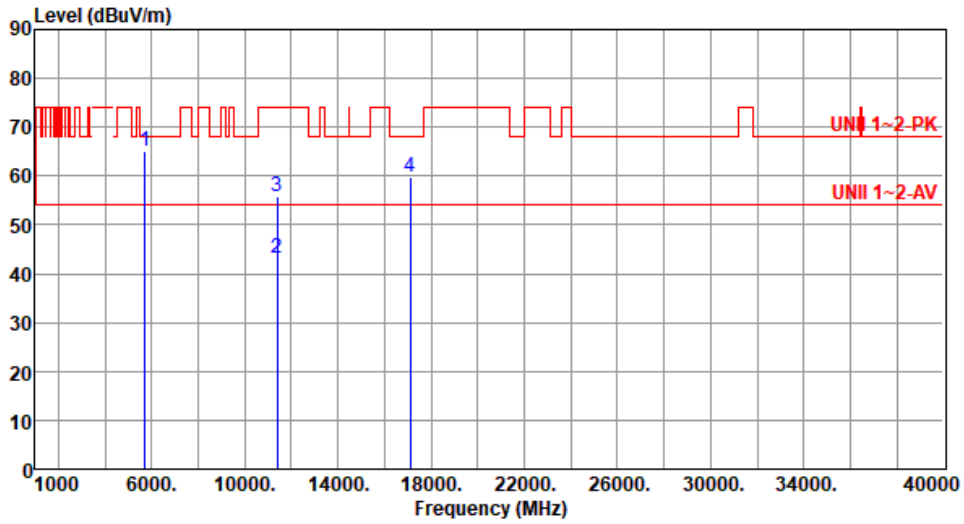


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.79	54.00	-9.21	40.12	4.67	Average	100	112
2	5460.00	58.64	74.00	-15.36	53.97	4.67	Peak	100	112
3	5470.00	59.00	68.20	-9.20	54.30	4.70	Peak	100	112
4	5725.00	59.13	68.20	-9.07	53.96	5.17	Peak	100	112
5	8928.00	55.28	68.20	-12.92	43.45	11.83	Peak	200	220
6	11160.00	42.63	54.00	-11.37	28.66	13.97	Average	100	229
7	11160.00	57.75	74.00	-16.25	43.78	13.97	Peak	100	229
8	16740.00	60.83	68.20	-7.37	43.66	17.17	Peak	100	235

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

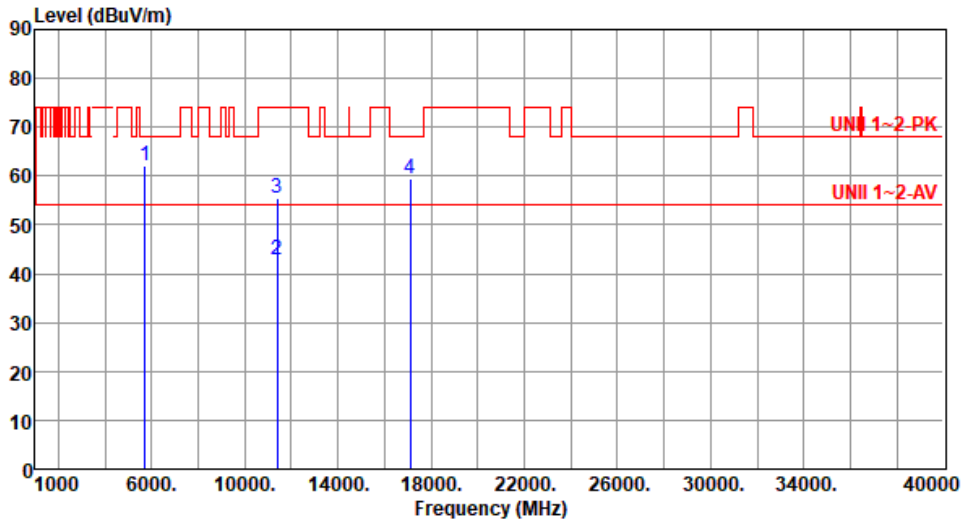


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	65.03	68.20	-3.17	59.86	5.17	Peak	225	25
2	11400.00	43.27	54.00	-10.73	29.13	14.14	Average	100	70
3	11400.00	55.70	74.00	-18.30	41.56	14.14	Peak	100	70
4	17100.00	59.80	68.20	-8.40	42.38	17.42	Peak	100	100

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

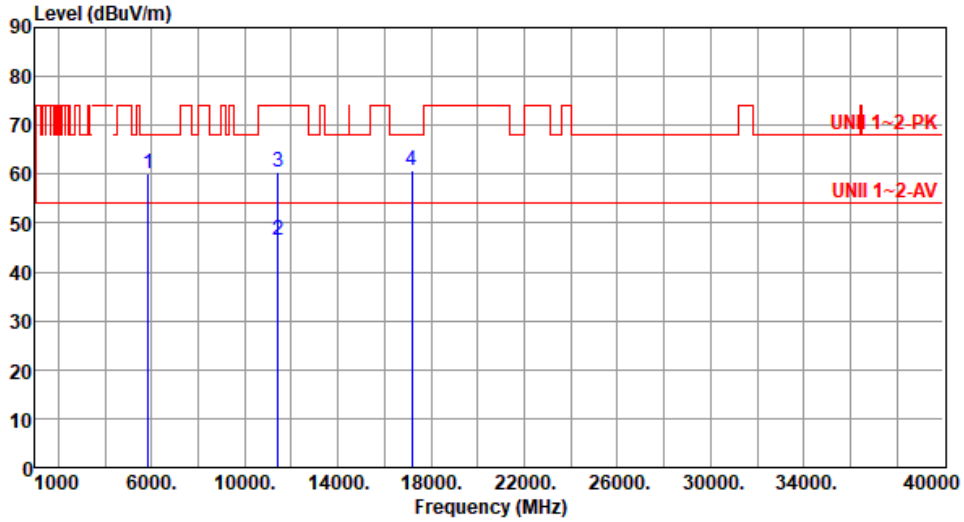


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	62.05	68.20	-6.15	56.88	5.17	Peak	100	129
2	11400.00	42.94	54.00	-11.06	28.80	14.14	Average	100	40
3	11400.00	55.37	74.00	-18.63	41.23	14.14	Peak	100	40
4	17100.00	59.58	68.20	-8.62	42.16	17.42	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

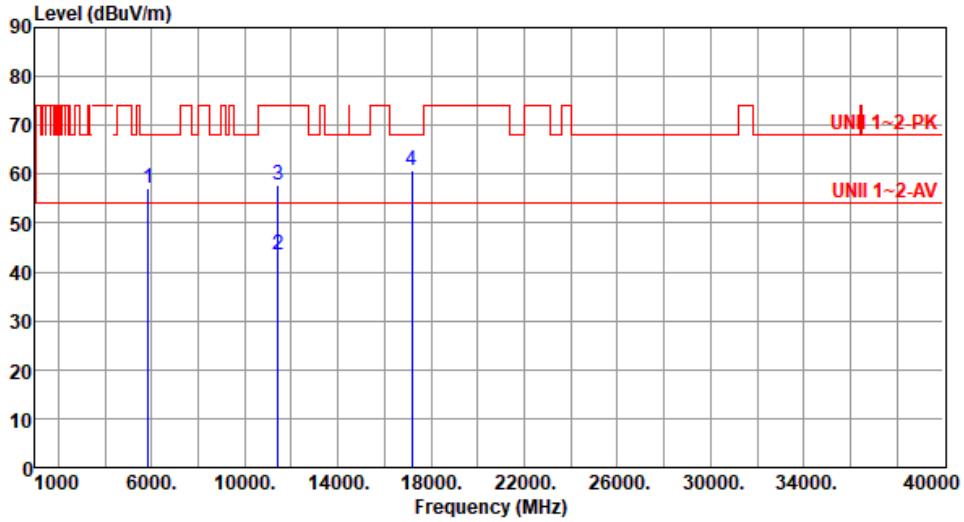


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	60.24	68.20	-7.96	54.59	5.65	Peak	265	21
2	11440.00	46.51	54.00	-7.49	32.25	14.26	Average	241	106
3	11440.00	60.47	74.00	-13.53	46.21	14.26	Peak	241	106
4	17160.00	60.85	68.20	-7.35	43.43	17.42	Peak	100	99

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

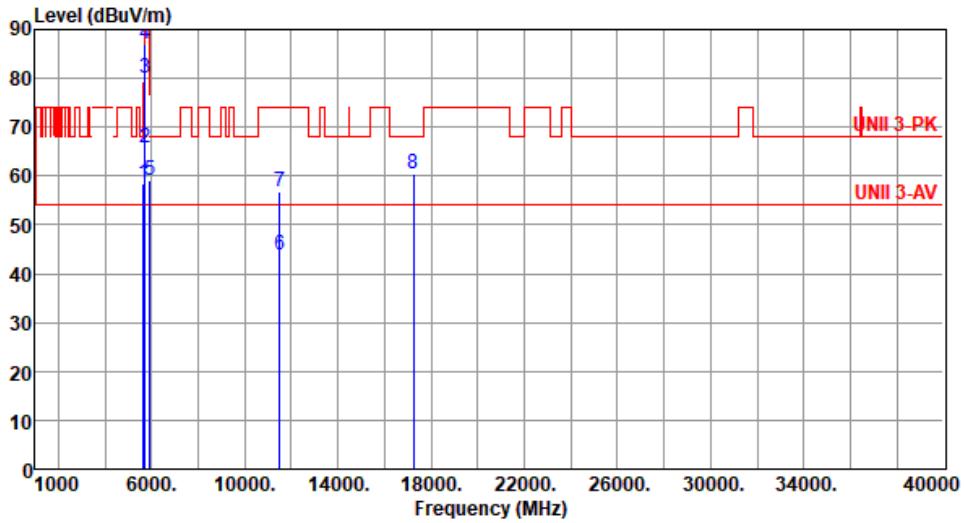


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	57.01	68.20	-11.19	51.36	5.65	Peak	100	130
2	11440.00	43.41	54.00	-10.59	29.15	14.26	Average	100	230
3	11440.00	57.72	74.00	-16.28	43.46	14.26	Peak	100	230
4	17160.00	60.65	68.20	-7.55	43.23	17.42	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

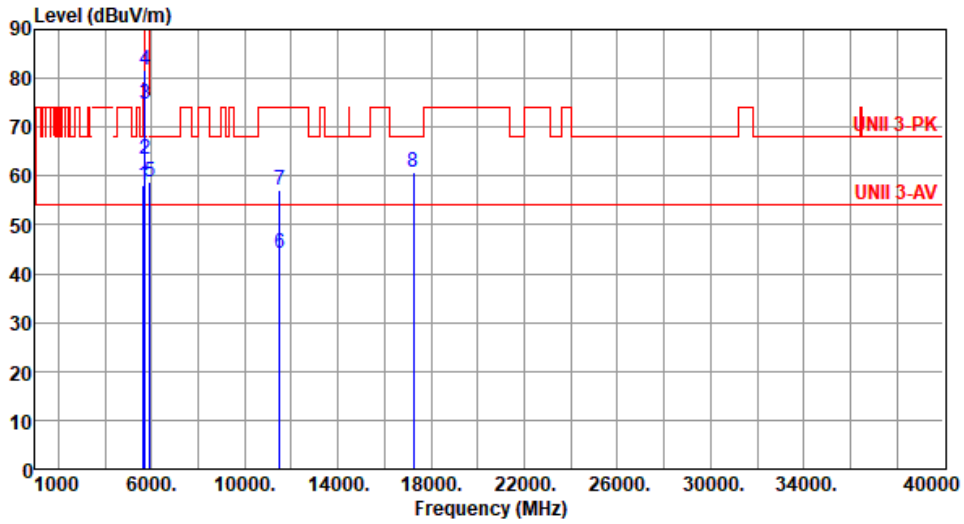


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.39	68.20	-9.81	53.58	4.81	Peak	255	31
2	5700.00	65.69	105.20	-39.51	60.67	5.02	Peak	255	31
3	5720.00	80.12	110.80	-30.68	74.98	5.14	Peak	255	31
4	5725.00	87.06	122.20	-35.14	81.89	5.17	Peak	255	31
5	5925.00	59.06	68.20	-9.14	53.45	5.61	Peak	255	31
6	11490.00	43.95	54.00	-10.05	29.56	14.39	Average	100	325
7	11490.00	56.85	74.00	-17.15	42.46	14.39	Peak	100	325
8	17235.00	60.57	68.20	-7.63	43.11	17.46	Peak	100	110

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

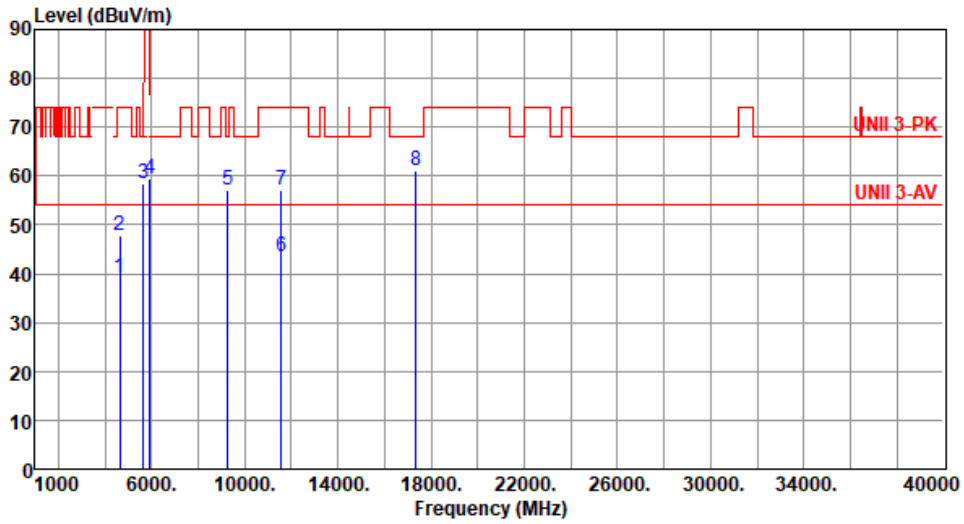


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.22	68.20	-9.98	53.41	4.81	Peak	100	136
2	5700.00	63.48	105.20	-41.72	58.46	5.02	Peak	100	136
3	5720.00	74.73	110.80	-36.07	69.59	5.14	Peak	100	136
4	5725.00	81.83	122.20	-40.37	76.66	5.17	Peak	100	136
5	5925.00	58.83	68.20	-9.37	53.22	5.61	Peak	100	136
6	11490.00	44.14	54.00	-9.86	29.75	14.39	Average	185	22
7	11490.00	57.18	74.00	-16.82	42.79	14.39	Peak	185	22
8	17235.00	60.86	68.20	-7.34	43.40	17.46	Peak	172	29

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

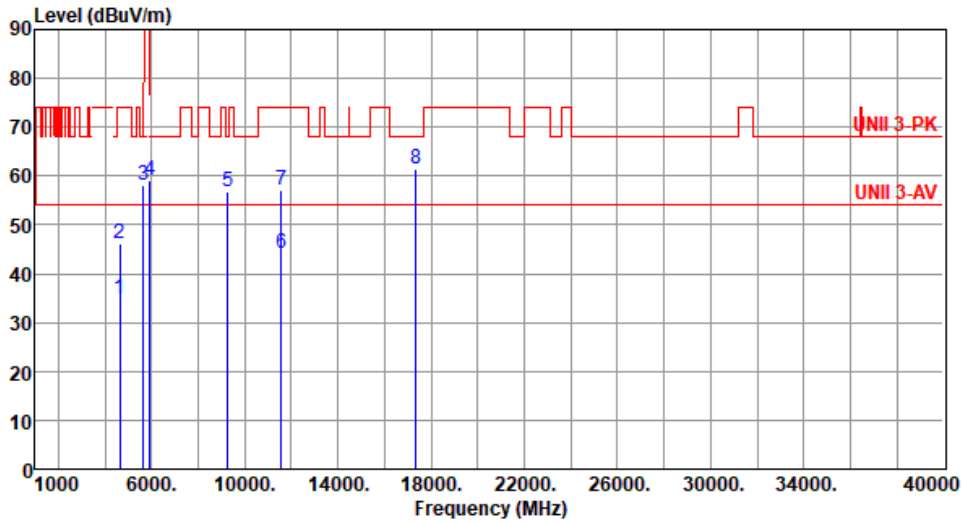


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4628.00	39.20	54.00	-14.80	35.66	3.54	Average	248	274
2	4628.00	47.97	74.00	-26.03	44.43	3.54	Peak	248	274
3	5650.00	58.39	68.20	-9.81	53.58	4.81	Peak	258	25
4	5925.00	59.46	68.20	-8.74	53.85	5.61	Peak	258	25
5	9256.00	57.11	68.20	-11.09	43.95	13.16	Peak	100	142
6	11570.00	43.65	54.00	-10.35	29.40	14.25	Average	100	323
7	11570.00	57.10	74.00	-16.90	42.85	14.25	Peak	100	323
8	17355.00	61.00	68.20	-7.20	43.09	17.91	Peak	100	109

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

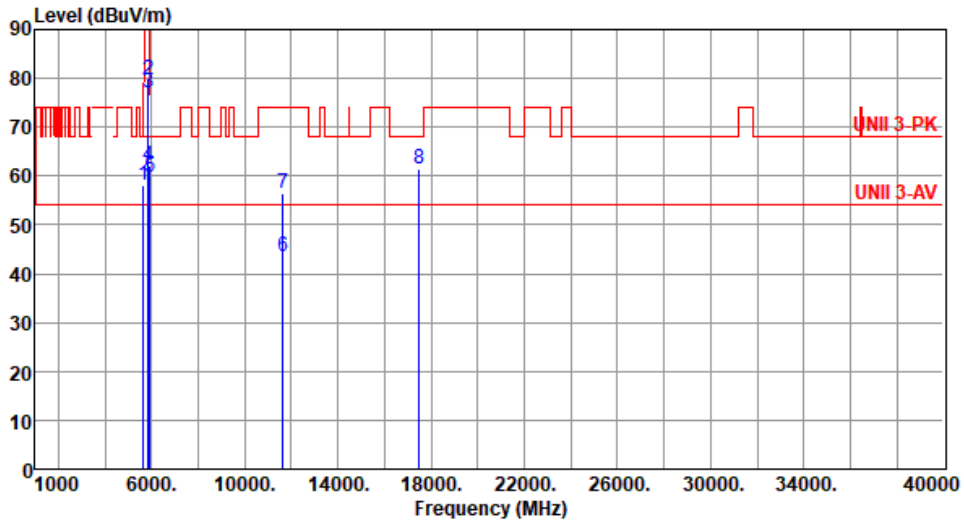


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4628.00	34.80	54.00	-19.20	31.26	3.54	Average	100	130
2	4628.00	46.07	74.00	-27.93	42.53	3.54	Peak	100	130
3	5650.00	58.22	68.20	-9.98	53.41	4.81	Peak	100	138
4	5925.00	59.26	68.20	-8.94	53.65	5.61	Peak	100	138
5	9256.00	56.70	68.20	-11.50	43.54	13.16	Peak	200	225
6	11570.00	44.15	54.00	-9.85	29.90	14.25	Average	180	25
7	11570.00	57.16	74.00	-16.84	42.91	14.25	Peak	180	25
8	17355.00	61.37	68.20	-6.83	43.46	17.91	Peak	180	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65

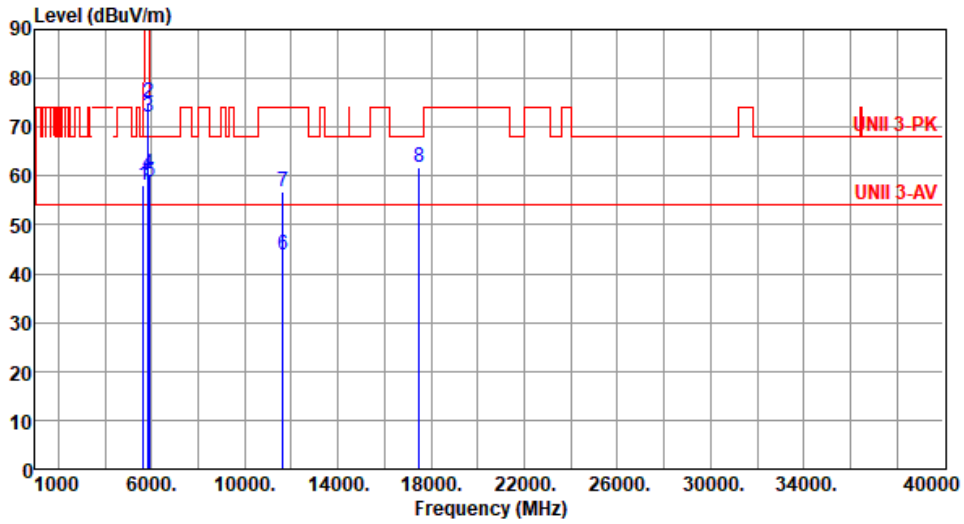


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.28	68.20	-9.92	53.47	4.81	Peak	232	26
2	5850.00	79.65	122.20	-42.55	74.00	5.65	Peak	232	26
3	5855.00	77.18	110.80	-33.62	71.53	5.65	Peak	232	26
4	5875.00	62.23	105.20	-42.97	56.57	5.66	Peak	232	26
5	5925.00	59.63	68.20	-8.57	54.02	5.61	Peak	232	26
6	11650.00	43.35	54.00	-10.65	29.45	13.90	Average	100	326
7	11650.00	56.39	74.00	-17.61	42.49	13.90	Peak	100	326
8	17475.00	61.43	68.20	-6.77	42.88	18.55	Peak	100	111

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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(℃):22 Humidity(%):65



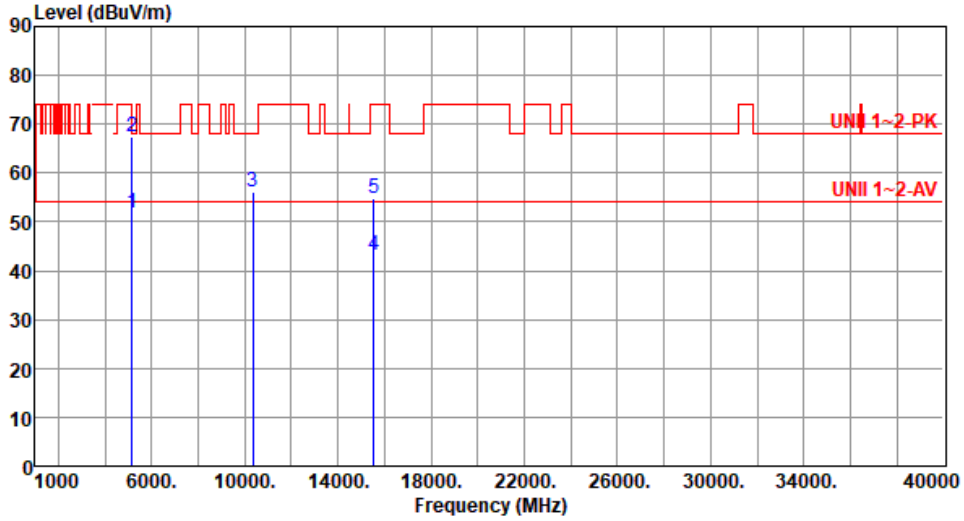
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.02	68.20	-10.18	53.21	4.81	Peak	100	139
2	5850.00	74.98	122.20	-47.22	69.33	5.65	Peak	100	139
3	5855.00	72.19	110.80	-38.61	66.54	5.65	Peak	100	139
4	5875.00	60.51	105.20	-44.69	54.85	5.66	Peak	100	139
5	5925.00	58.77	68.20	-9.43	53.16	5.61	Peak	100	139
6	11650.00	43.74	54.00	-10.26	29.84	13.90	Average	177	31
7	11650.00	56.68	74.00	-17.32	42.78	13.90	Peak	177	31
8	17475.00	61.75	68.20	-6.45	43.20	18.55	Peak	170	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 VHT20

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

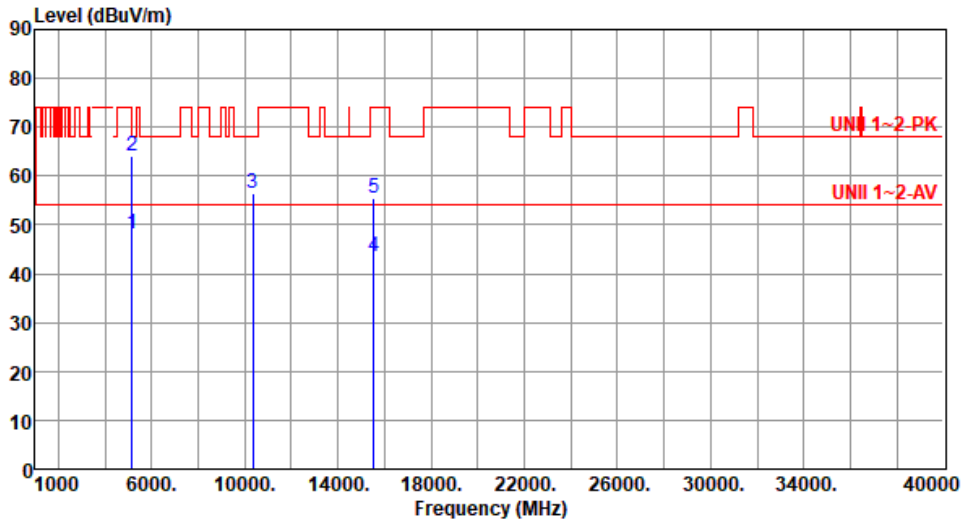


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.79	54.00	-2.21	46.78	5.01	Average	100	198
2	5150.00	67.35	74.00	-6.65	62.34	5.01	Peak	100	198
3	10360.00	56.28	68.20	-11.92	42.07	14.21	Peak	100	90
4	15540.00	43.18	54.00	-10.82	29.54	13.64	Average	100	40
5	15540.00	54.93	74.00	-19.07	41.29	13.64	Peak	100	40

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

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

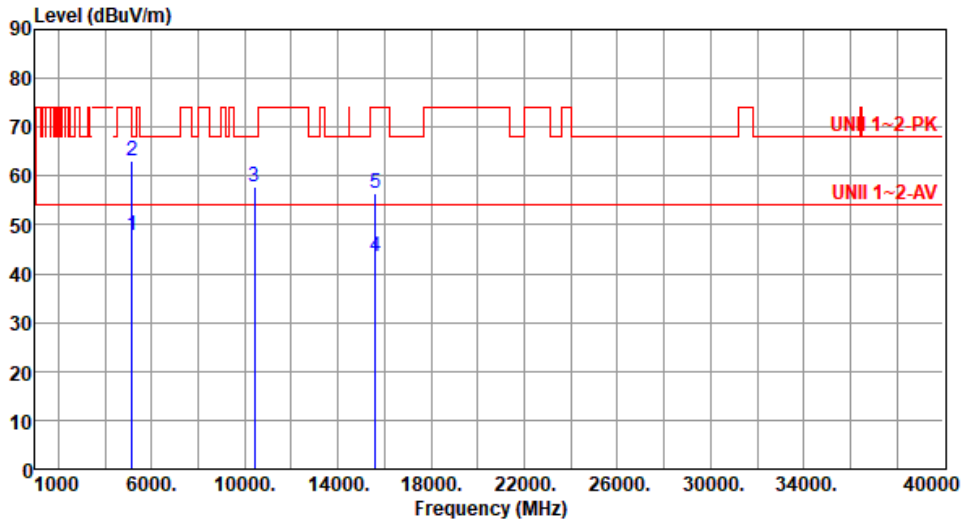


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.01	54.00	-5.99	43.00	5.01	Average	332	159
2	5150.00	64.24	74.00	-9.76	59.23	5.01	Peak	332	159
3	10360.00	56.48	68.20	-11.72	42.27	14.21	Peak	100	195
4	15540.00	43.49	54.00	-10.51	29.85	13.64	Average	100	60
5	15540.00	55.31	74.00	-18.69	41.67	13.64	Peak	100	60

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

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

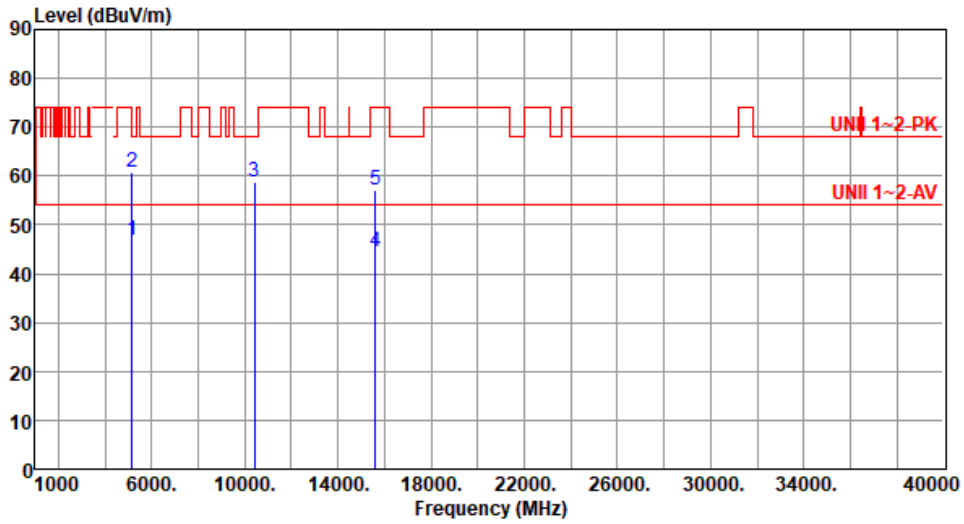


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.98	54.00	-6.02	42.97	5.01	Average	100	194
2	5150.00	63.24	74.00	-10.76	58.23	5.01	Peak	100	194
3	10400.00	57.79	68.20	-10.41	43.46	14.33	Peak	205	36
4	15600.00	43.56	54.00	-10.44	30.23	13.33	Average	100	348
5	15600.00	56.32	74.00	-17.68	42.99	13.33	Peak	100	348

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

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

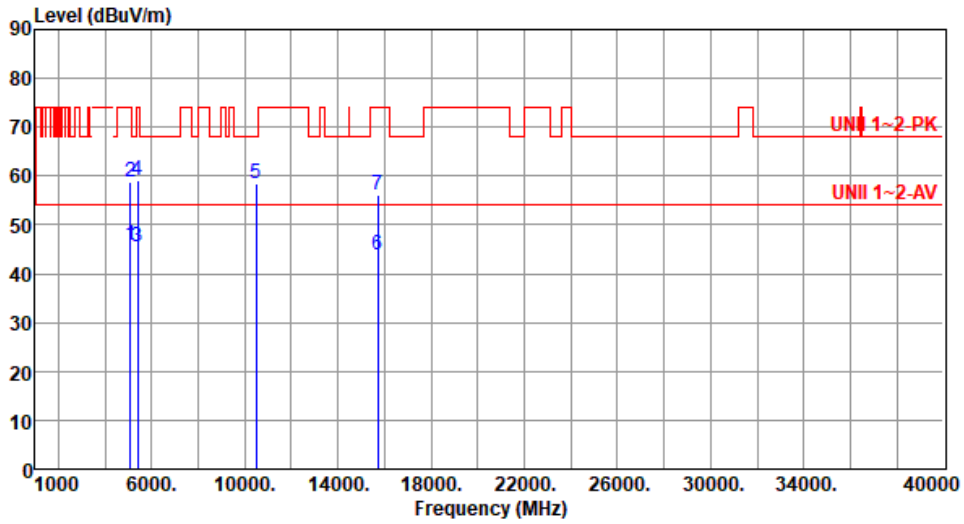


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.90	54.00	-7.10	41.89	5.01	Average	322	144
2	5150.00	60.90	74.00	-13.10	55.89	5.01	Peak	322	144
3	10400.00	58.91	68.20	-9.29	44.58	14.33	Peak	105	192
4	15600.00	44.48	54.00	-9.52	31.15	13.33	Average	220	106
5	15600.00	57.01	74.00	-16.99	43.68	13.33	Peak	220	106

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

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

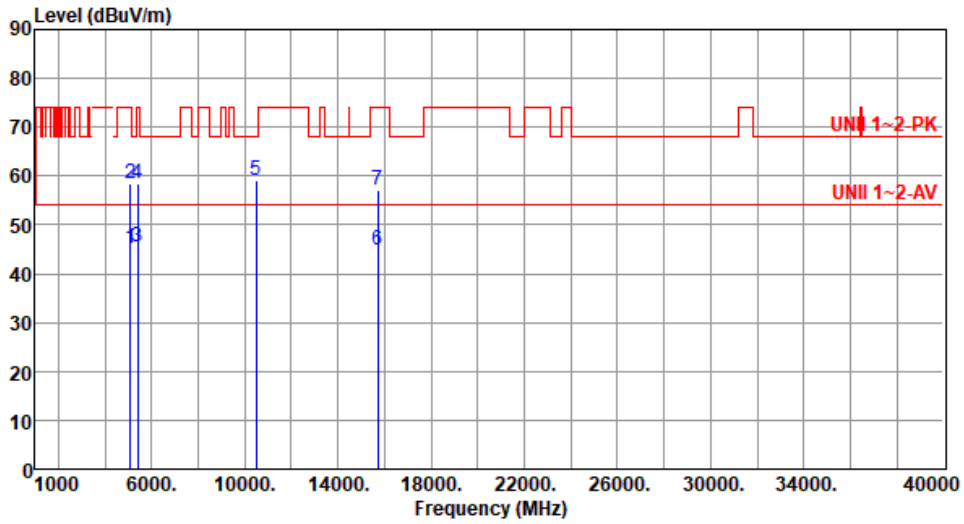


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5080.00	45.86	54.00	-8.14	41.31	4.55	Average	100	195
2	5080.00	58.84	74.00	-15.16	54.29	4.55	Peak	100	195
3	5400.00	45.66	54.00	-8.34	41.02	4.64	Average	100	195
4	5400.00	58.99	74.00	-15.01	54.35	4.64	Peak	100	195
5	10480.00	58.62	68.20	-9.58	44.16	14.46	Peak	205	39
6	15720.00	43.81	54.00	-10.19	30.39	13.42	Average	100	346
7	15720.00	56.02	74.00	-17.98	42.60	13.42	Peak	100	346

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

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

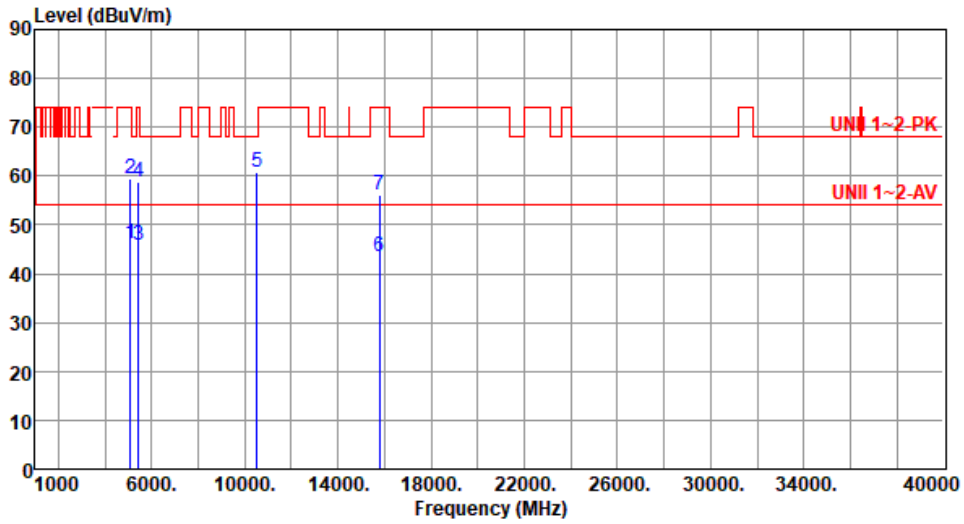


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5080.00	45.18	54.00	-8.82	40.63	4.55	Average	338	118
2	5080.00	58.51	74.00	-15.49	53.96	4.55	Peak	338	118
3	5400.00	45.41	54.00	-8.59	40.77	4.64	Average	338	118
4	5400.00	58.49	74.00	-15.51	53.85	4.64	Peak	338	118
5	10480.00	59.02	68.20	-9.18	44.56	14.46	Peak	102	193
6	15720.00	44.71	54.00	-9.29	31.29	13.42	Average	222	105
7	15720.00	57.18	74.00	-16.82	43.76	13.42	Peak	222	105

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

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

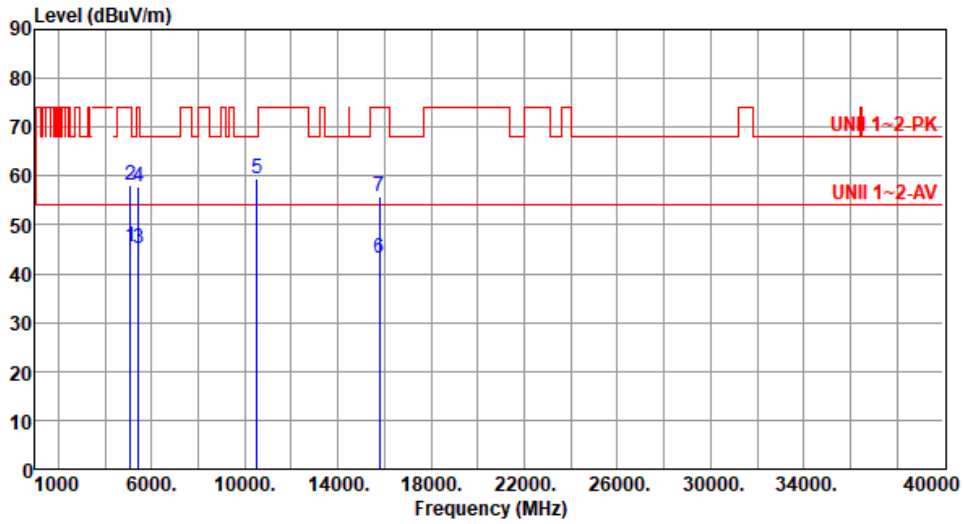


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5100.00	46.05	54.00	-7.95	41.25	4.80	Average	100	192
2	5100.00	59.41	74.00	-14.59	54.61	4.80	Peak	100	192
3	5420.00	45.80	54.00	-8.20	41.15	4.65	Average	100	192
4	5420.00	58.71	74.00	-15.29	54.06	4.65	Peak	100	192
5	10520.00	60.72	68.20	-7.48	46.25	14.47	Peak	333	190
6	15780.00	43.53	54.00	-10.47	30.05	13.48	Average	100	195
7	15780.00	56.15	74.00	-17.85	42.67	13.48	Peak	100	195

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

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

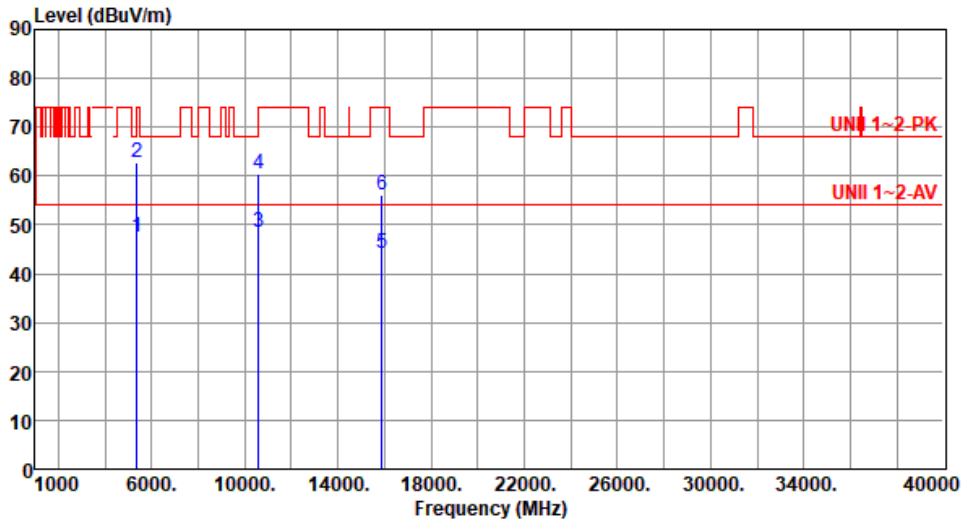


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5100.00	45.46	54.00	-8.54	40.66	4.80	Average	345	138
2	5100.00	58.05	74.00	-15.95	53.25	4.80	Peak	345	138
3	5420.00	45.31	54.00	-8.69	40.66	4.65	Average	345	138
4	5420.00	57.87	74.00	-16.13	53.22	4.65	Peak	345	138
5	10520.00	59.53	68.20	-8.67	45.06	14.47	Peak	100	6
6	15780.00	43.03	54.00	-10.97	29.55	13.48	Average	100	35
7	15780.00	55.66	74.00	-18.34	42.18	13.48	Peak	100	35

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

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

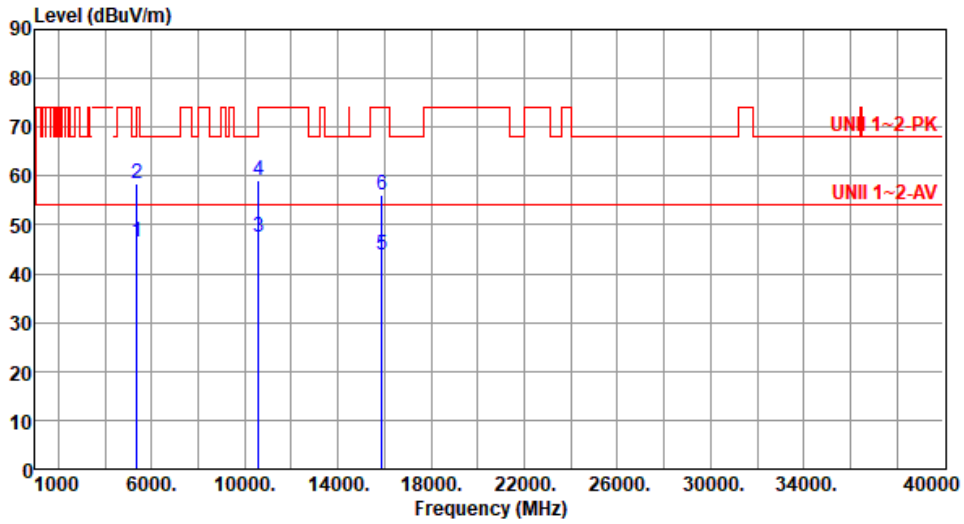


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.44	54.00	-6.56	43.02	4.42	Average	100	193
2	5350.00	62.87	74.00	-11.13	58.45	4.42	Peak	100	193
3	10600.00	48.50	54.00	-5.50	34.15	14.35	Average	321	195
4	10600.00	60.30	74.00	-13.70	45.95	14.35	Peak	321	195
5	15900.00	44.05	54.00	-9.95	30.48	13.57	Average	100	190
6	15900.00	56.23	74.00	-17.77	42.66	13.57	Peak	100	190

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

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

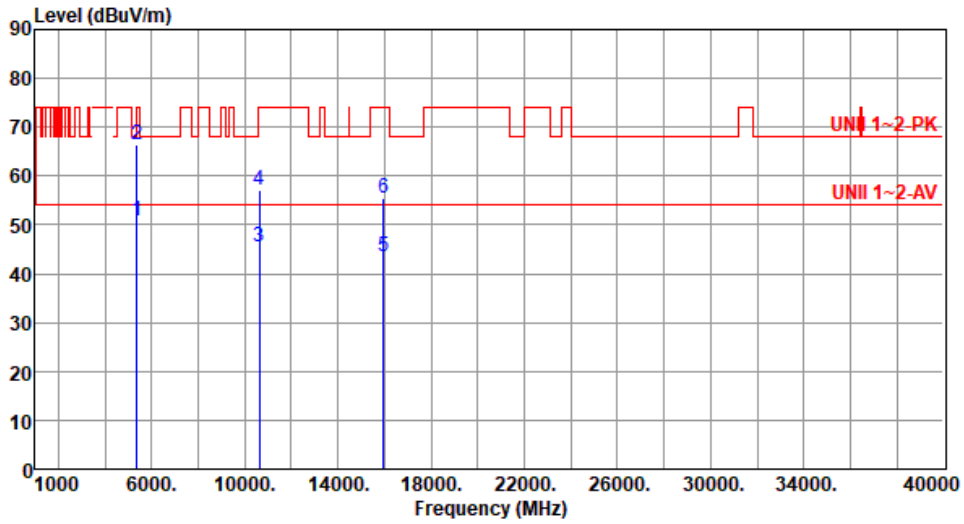


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.53	54.00	-7.47	42.11	4.42	Average	325	150
2	5350.00	58.62	74.00	-15.38	54.20	4.42	Peak	325	150
3	10600.00	47.37	54.00	-6.63	33.02	14.35	Average	100	4
4	10600.00	59.03	74.00	-14.97	44.68	14.35	Peak	100	4
5	15900.00	43.78	54.00	-10.22	30.21	13.57	Average	100	34
6	15900.00	56.00	74.00	-18.00	42.43	13.57	Peak	100	34

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

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

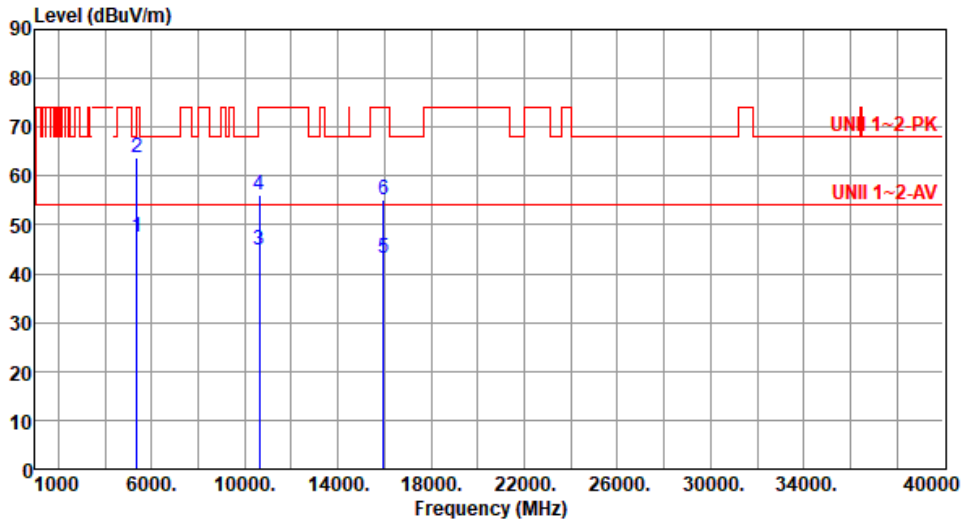


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	50.97	54.00	-3.03	46.55	4.42	Average	100	197
2	5350.00	66.52	74.00	-7.48	62.10	4.42	Peak	100	197
3	10640.00	45.59	54.00	-8.41	31.22	14.37	Average	333	196
4	10640.00	56.96	74.00	-17.04	42.59	14.37	Peak	333	196
5	15960.00	43.43	54.00	-10.57	29.75	13.68	Average	100	40
6	15960.00	55.37	74.00	-18.63	41.69	13.68	Peak	100	40

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

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

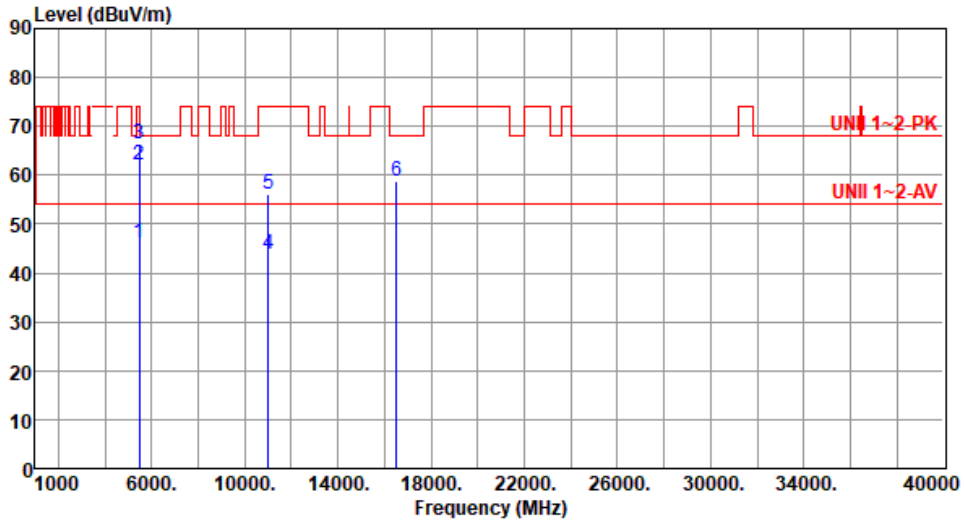


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.64	54.00	-6.36	43.22	4.42	Average	338	148
2	5350.00	63.67	74.00	-10.33	59.25	4.42	Peak	338	148
3	10640.00	44.95	54.00	-9.05	30.58	14.37	Average	100	4
4	10640.00	56.16	74.00	-17.84	41.79	14.37	Peak	100	4
5	15960.00	43.13	54.00	-10.87	29.45	13.68	Average	100	90
6	15960.00	55.13	74.00	-18.87	41.45	13.68	Peak	100	90

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

Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

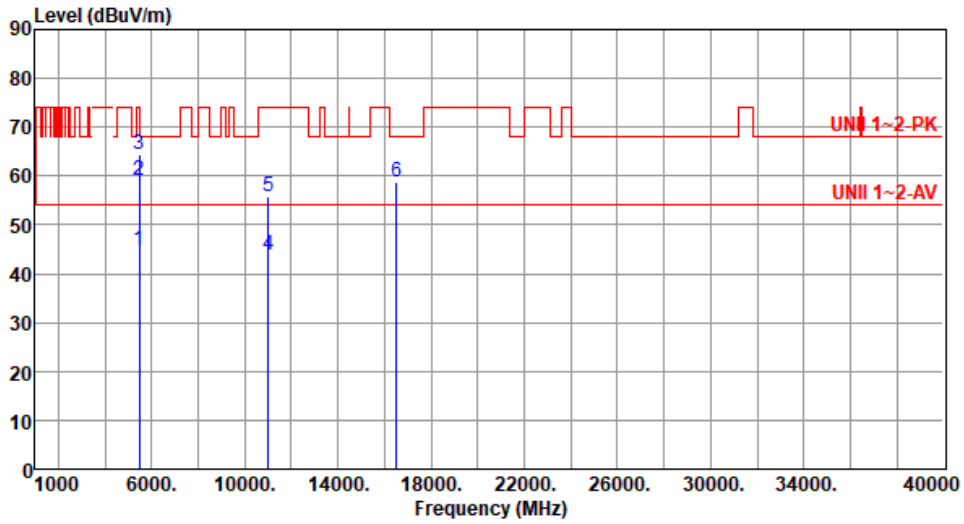


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.06	54.00	-7.94	41.39	4.67	Average	217	24
2	5460.00	62.13	74.00	-11.87	57.46	4.67	Peak	217	24
3	5470.00	66.38	68.20	-1.82	61.68	4.70	Peak	217	24
4	11000.00	43.93	54.00	-10.07	29.28	14.65	Average	100	90
5	11000.00	56.21	74.00	-17.79	41.56	14.65	Peak	100	90
6	16500.00	58.93	68.20	-9.27	42.59	16.34	Peak	100	50

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

Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

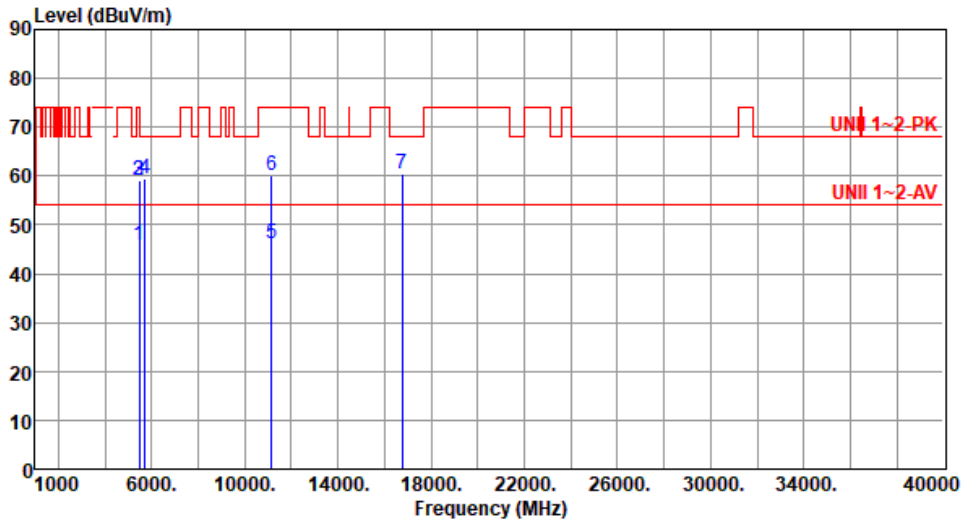


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.90	54.00	-9.10	40.23	4.67	Average	100	130
2	5460.00	59.23	74.00	-14.77	54.56	4.67	Peak	100	130
3	5470.00	64.58	68.20	-3.62	59.88	4.70	Peak	100	130
4	11000.00	43.70	54.00	-10.30	29.05	14.65	Average	100	40
5	11000.00	55.90	74.00	-18.10	41.25	14.65	Peak	100	40
6	16500.00	58.69	68.20	-9.51	42.35	16.34	Peak	100	30

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

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

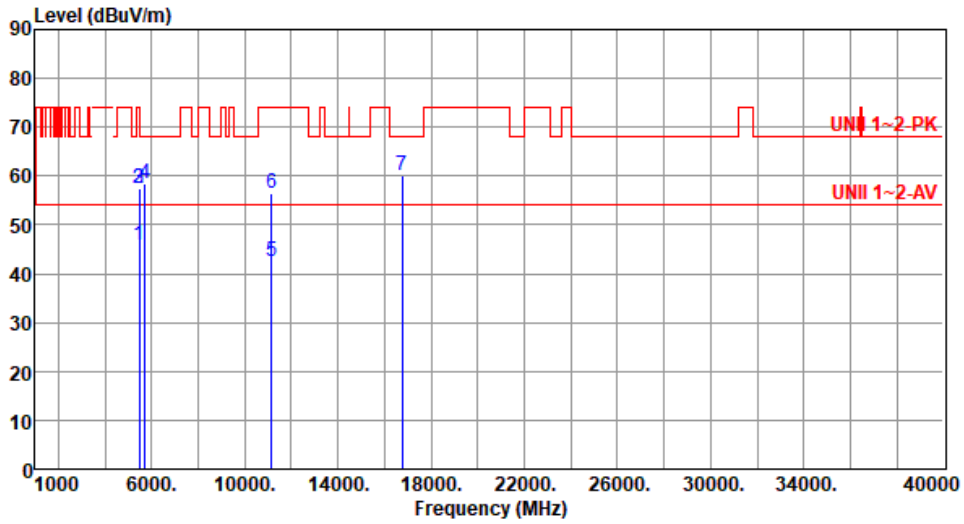


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.93	54.00	-8.07	41.26	4.67	Average	265	28
2	5460.00	58.97	74.00	-15.03	54.30	4.67	Peak	265	28
3	5470.00	59.25	68.20	-8.95	54.55	4.70	Peak	265	28
4	5725.00	59.32	68.20	-8.88	54.15	5.17	Peak	265	28
5	11160.00	46.23	54.00	-7.77	32.26	13.97	Average	245	102
6	11160.00	60.12	74.00	-13.88	46.15	13.97	Peak	245	102
7	16740.00	60.42	68.20	-7.78	43.25	17.17	Peak	100	106

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

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

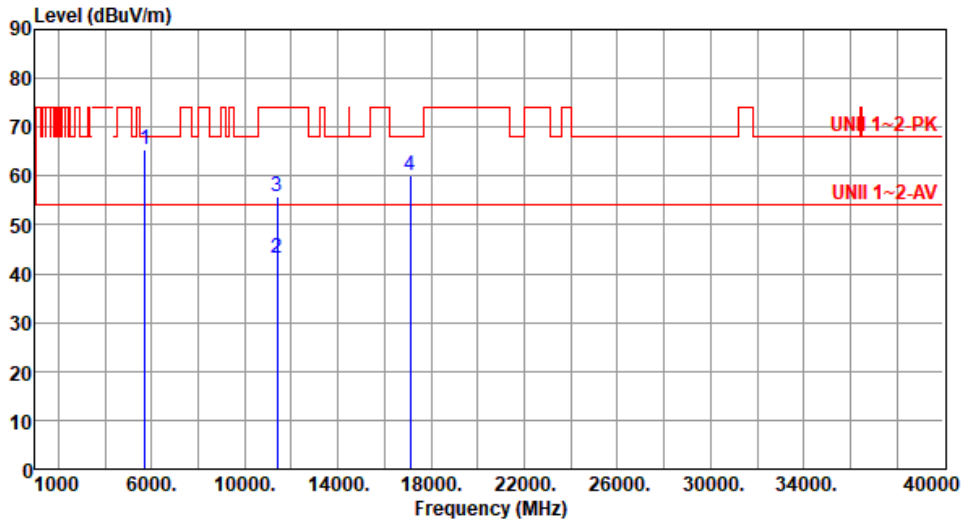


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.67	54.00	-8.33	41.00	4.67	Average	100	124
2	5460.00	57.56	74.00	-16.44	52.89	4.67	Peak	100	124
3	5470.00	57.39	68.20	-10.81	52.69	4.70	Peak	100	124
4	5725.00	58.42	68.20	-9.78	53.25	5.17	Peak	100	124
5	11160.00	42.42	54.00	-11.58	28.45	13.97	Average	100	226
6	11160.00	56.55	74.00	-17.45	42.58	13.97	Peak	100	226
7	16740.00	60.22	68.20	-7.98	43.05	17.17	Peak	100	100

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

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

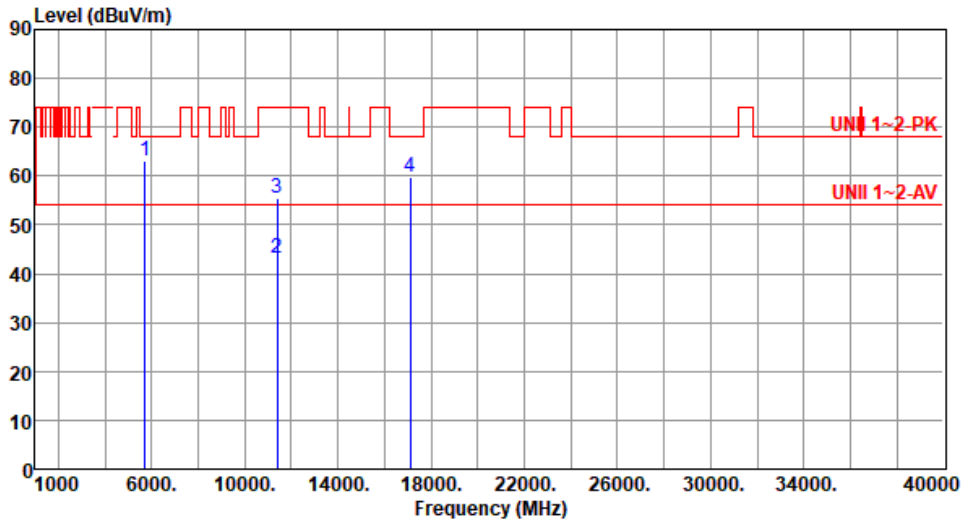


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	65.32	68.20	-2.88	60.15	5.17	Peak	238	27
2	11400.00	43.31	54.00	-10.69	29.17	14.14	Average	100	40
3	11400.00	55.70	74.00	-18.30	41.56	14.14	Peak	100	40
4	17100.00	60.09	68.20	-8.11	42.67	17.42	Peak	100	90

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

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

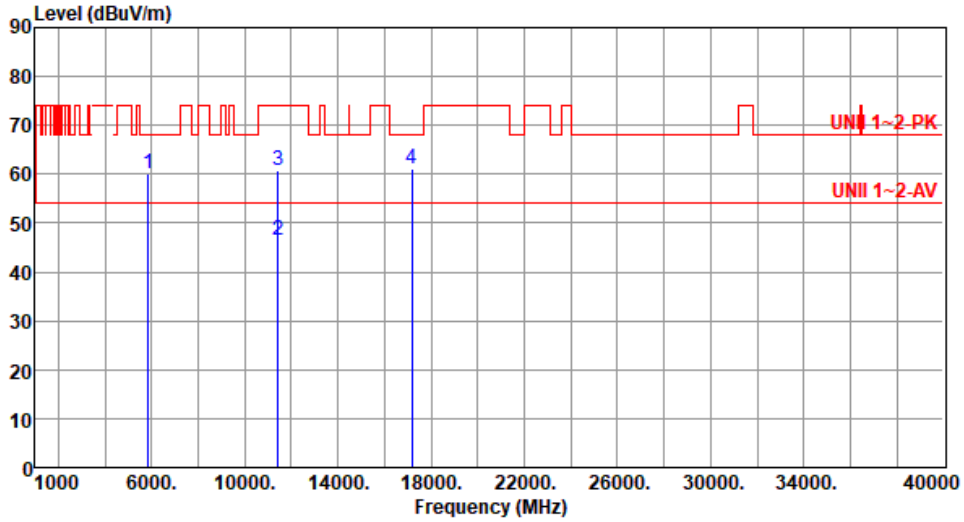


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	63.05	68.20	-5.15	57.88	5.17	Peak	100	121
2	11400.00	43.17	54.00	-10.83	29.03	14.14	Average	100	90
3	11400.00	55.40	74.00	-18.60	41.26	14.14	Peak	100	90
4	17100.00	59.76	68.20	-8.44	42.34	17.42	Peak	100	70

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

Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

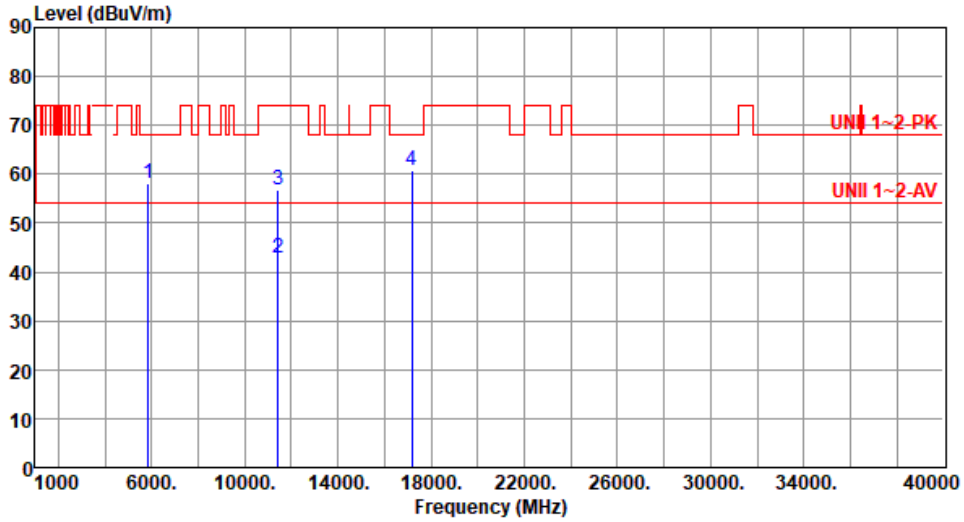


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	60.11	68.20	-8.09	54.46	5.65	Peak	266	28
2	11440.00	46.37	54.00	-7.63	32.11	14.26	Average	242	109
3	11440.00	60.71	74.00	-13.29	46.45	14.26	Peak	242	109
4	17160.00	60.98	68.20	-7.22	43.56	17.42	Peak	100	95

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

Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

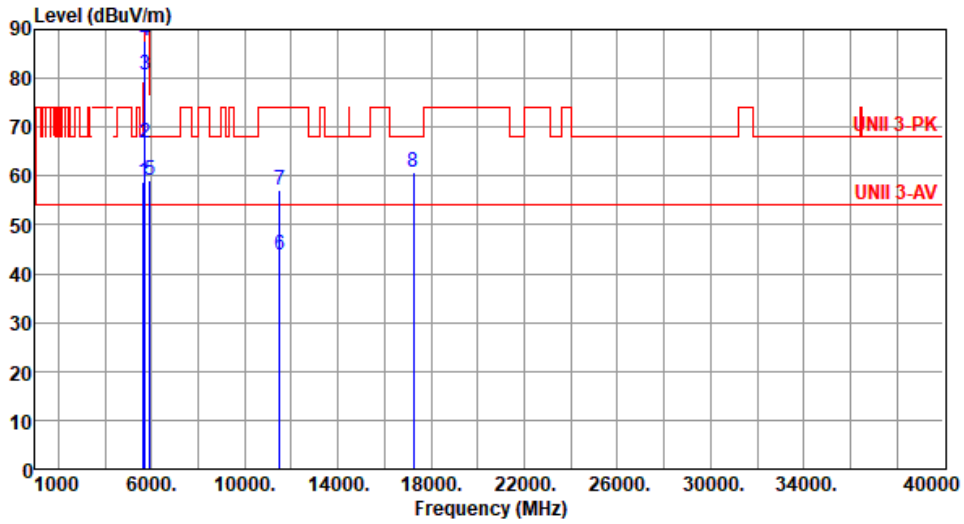


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	58.19	68.20	-10.01	52.54	5.65	Peak	100	128
2	11440.00	42.75	54.00	-11.25	28.49	14.26	Average	100	230
3	11440.00	56.93	74.00	-17.07	42.67	14.26	Peak	100	230
4	17160.00	60.66	68.20	-7.54	43.24	17.42	Peak	100	105

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

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

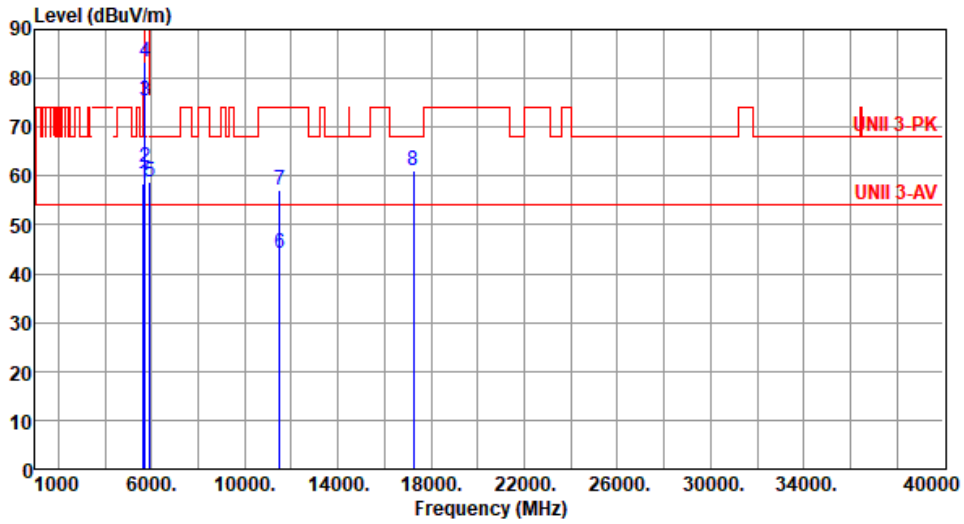


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.65	68.20	-9.55	53.84	4.81	Peak	251	32
2	5700.00	66.70	105.20	-38.50	61.68	5.02	Peak	251	32
3	5720.00	80.73	110.80	-30.07	75.59	5.14	Peak	251	32
4	5725.00	87.82	122.20	-34.38	82.65	5.17	Peak	251	32
5	5925.00	59.16	68.20	-9.04	53.55	5.61	Peak	251	32
6	11490.00	43.95	54.00	-10.05	29.56	14.39	Average	100	326
7	11490.00	56.97	74.00	-17.03	42.58	14.39	Peak	100	326
8	17235.00	60.61	68.20	-7.59	43.15	17.46	Peak	100	111

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

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

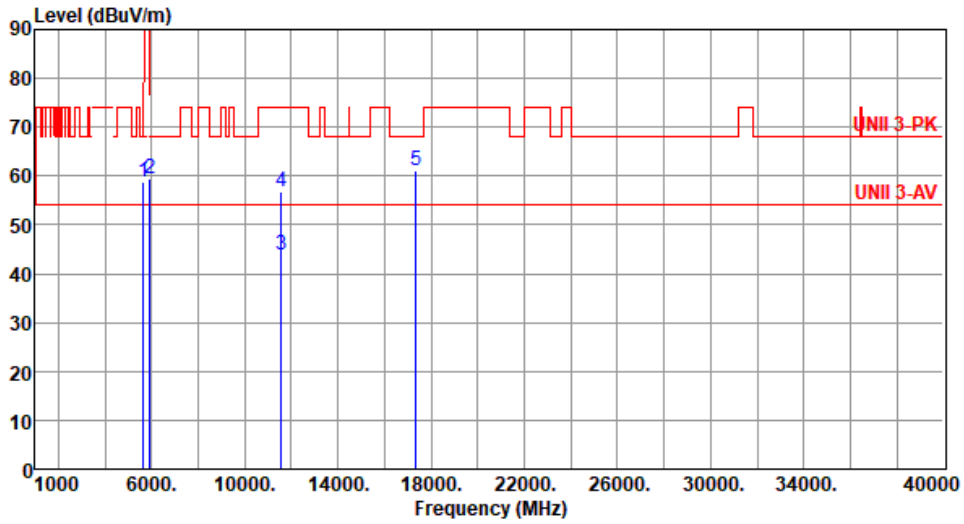


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.30	68.20	-9.90	53.49	4.81	Peak	100	139
2	5700.00	61.88	105.20	-43.32	56.86	5.02	Peak	100	139
3	5720.00	75.29	110.80	-35.51	70.15	5.14	Peak	100	139
4	5725.00	83.28	122.20	-38.92	78.11	5.17	Peak	100	139
5	5925.00	58.86	68.20	-9.34	53.25	5.61	Peak	100	139
6	11490.00	44.24	54.00	-9.76	29.85	14.39	Average	188	23
7	11490.00	57.25	74.00	-16.75	42.86	14.39	Peak	188	23
8	17235.00	61.02	68.20	-7.18	43.56	17.46	Peak	172	25

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

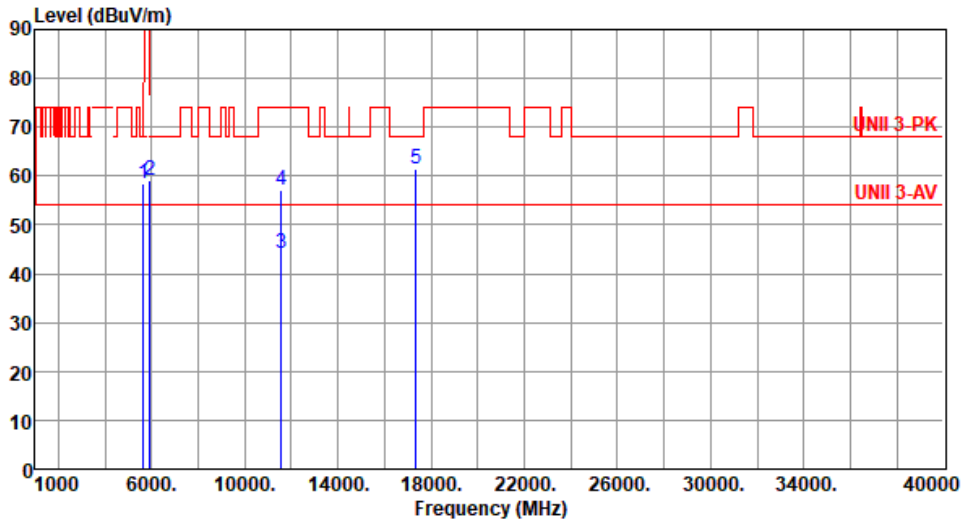


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.69	68.20	-9.51	53.88	4.81	Peak	255	22
2	5925.00	59.60	68.20	-8.60	53.99	5.61	Peak	255	22
3	11570.00	43.73	54.00	-10.27	29.48	14.25	Average	100	320
4	11570.00	56.83	74.00	-17.17	42.58	14.25	Peak	100	320
5	17355.00	61.19	68.20	-7.01	43.28	17.91	Peak	100	116

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

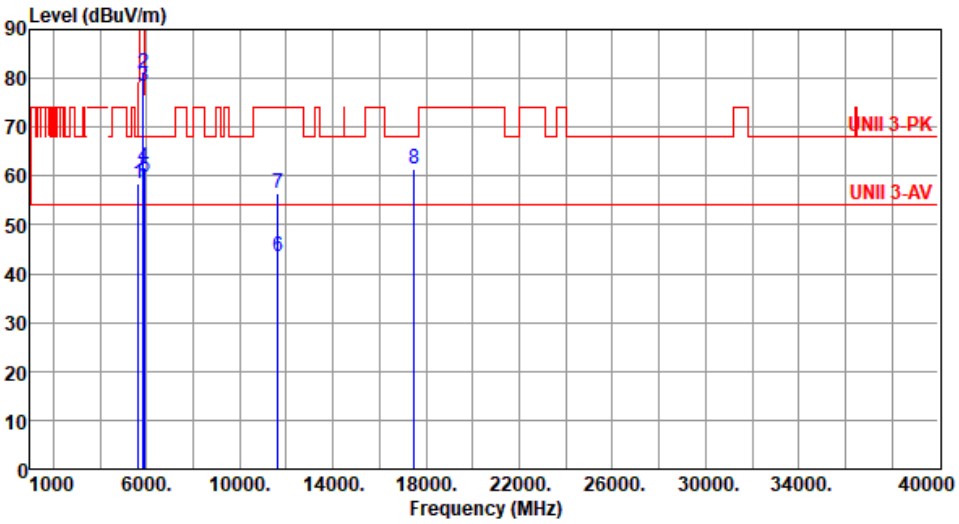


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.35	68.20	-9.85	53.54	4.81	Peak	100	132
2	5925.00	59.28	68.20	-8.92	53.67	5.61	Peak	100	132
3	11570.00	44.10	54.00	-9.90	29.85	14.25	Average	175	26
4	11570.00	57.09	74.00	-16.91	42.84	14.25	Peak	175	26
5	17355.00	61.51	68.20	-6.69	43.60	17.91	Peak	172	29

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

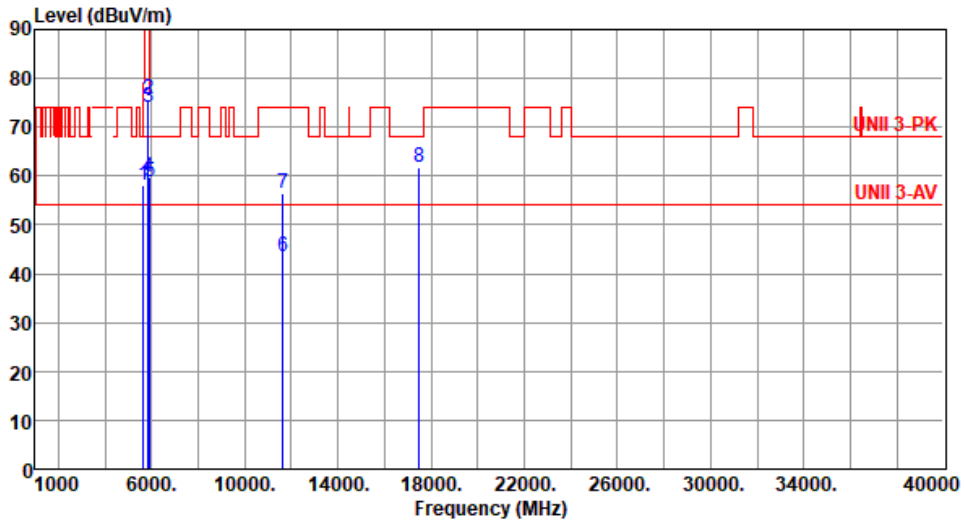


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.39	68.20	-9.81	53.58	4.81	Peak	235	29
2	5850.00	80.91	122.20	-41.29	75.26	5.65	Peak	235	29
3	5855.00	78.29	110.80	-32.51	72.64	5.65	Peak	235	29
4	5875.00	61.77	105.20	-43.43	56.11	5.66	Peak	235	29
5	5925.00	59.87	68.20	-8.33	54.26	5.61	Peak	235	29
6	11650.00	43.38	54.00	-10.62	29.48	13.90	Average	100	322
7	11650.00	56.39	74.00	-17.61	42.49	13.90	Peak	100	322
8	17475.00	61.43	68.20	-6.77	42.88	18.55	Peak	100	114

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

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65



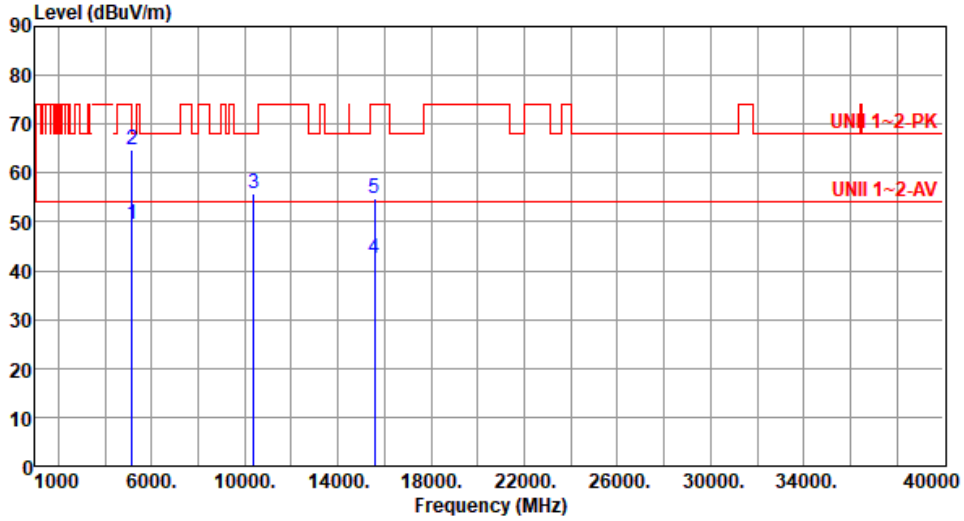
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.22	68.20	-9.98	53.41	4.81	Peak	100	132
2	5850.00	75.84	122.20	-46.36	70.19	5.65	Peak	100	132
3	5855.00	74.07	110.80	-36.73	68.42	5.65	Peak	100	132
4	5875.00	59.80	105.20	-45.40	54.14	5.66	Peak	100	132
5	5925.00	58.83	68.20	-9.37	53.22	5.61	Peak	100	132
6	11650.00	43.65	54.00	-10.35	29.75	13.90	Average	175	32
7	11650.00	56.54	74.00	-17.46	42.64	13.90	Peak	175	32
8	17475.00	61.69	68.20	-6.51	43.14	18.55	Peak	169	22

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 VHT40

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		

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

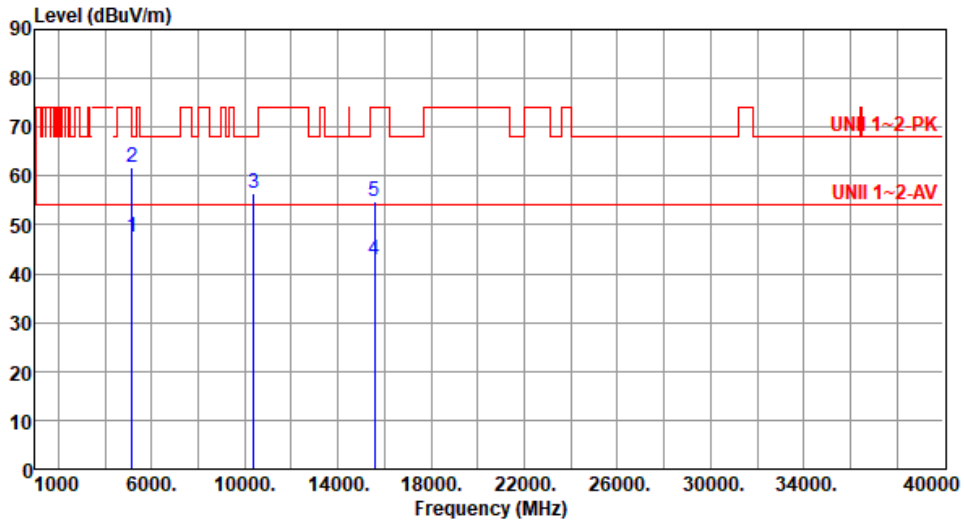


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	49.65	54.00	-4.35	44.64	5.01	Average	100	195
2	5150.00	64.74	74.00	-9.26	59.73	5.01	Peak	100	195
3	10380.00	55.83	68.20	-12.37	41.56	14.27	Peak	100	100
4	15570.00	42.64	54.00	-11.36	29.16	13.48	Average	100	60
5	15570.00	54.77	74.00	-19.23	41.29	13.48	Peak	100	60

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

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		

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

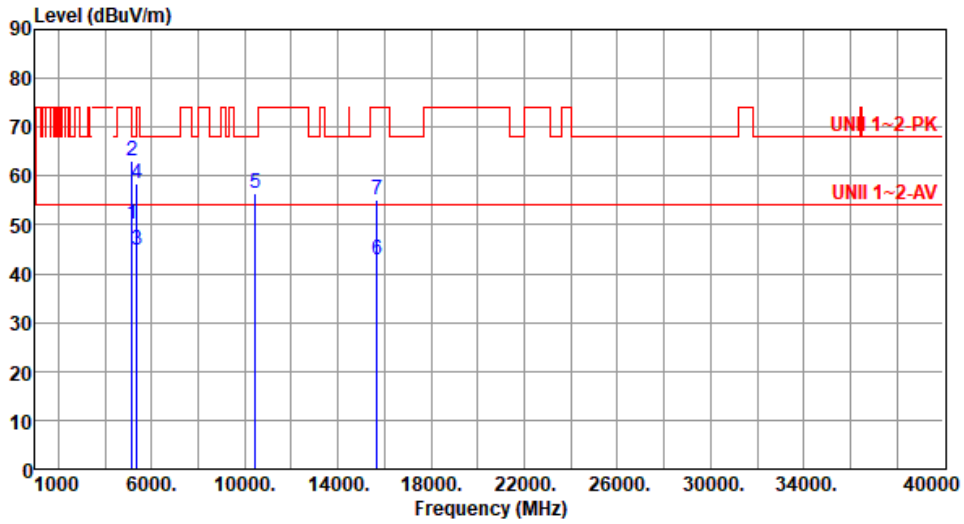


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.35	54.00	-6.65	42.34	5.01	Average	335	153
2	5150.00	61.90	74.00	-12.10	56.89	5.01	Peak	335	153
3	10380.00	56.37	68.20	-11.83	42.10	14.27	Peak	100	50
4	15570.00	42.74	54.00	-11.26	29.26	13.48	Average	100	30
5	15570.00	54.94	74.00	-19.06	41.46	13.48	Peak	100	30

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

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		

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

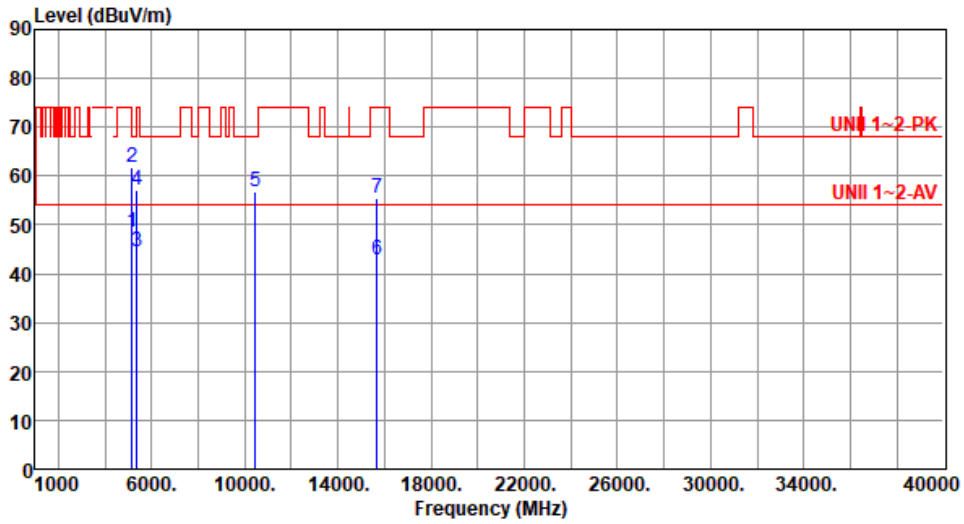


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	50.10	54.00	-3.90	45.09	5.01	Average	100	197
2	5150.00	63.24	74.00	-10.76	58.23	5.01	Peak	100	197
3	5350.00	44.92	54.00	-9.08	40.50	4.42	Average	100	197
4	5350.00	58.31	74.00	-15.69	53.89	4.42	Peak	100	197
5	10460.00	56.54	68.20	-11.66	42.11	14.43	Peak	100	80
6	15690.00	42.77	54.00	-11.23	29.37	13.40	Average	100	40
7	15690.00	55.27	74.00	-18.73	41.87	13.40	Peak	100	40

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

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		

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

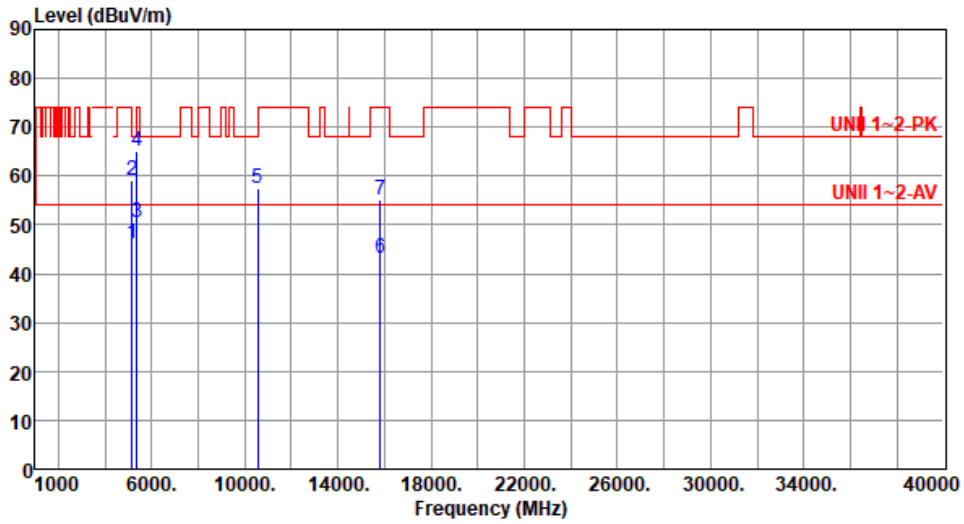


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.35	54.00	-5.65	43.34	5.01	Average	332	135
2	5150.00	61.87	74.00	-12.13	56.86	5.01	Peak	332	135
3	5350.00	44.62	54.00	-9.38	40.20	4.42	Average	332	135
4	5350.00	56.97	74.00	-17.03	52.55	4.42	Peak	332	135
5	10460.00	56.69	68.20	-11.51	42.26	14.43	Peak	100	195
6	15690.00	42.96	54.00	-11.04	29.56	13.40	Average	100	105
7	15690.00	55.51	74.00	-18.49	42.11	13.40	Peak	100	105

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

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

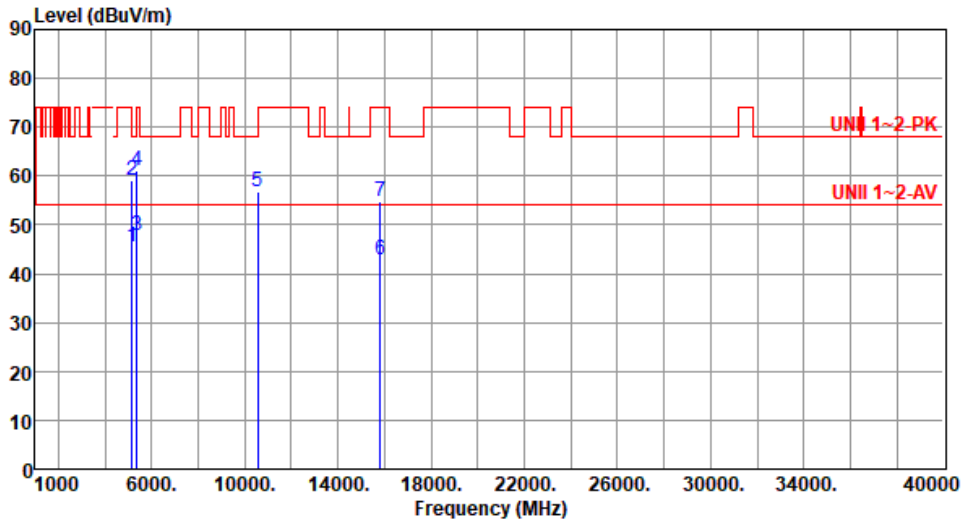


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.24	54.00	-7.76	41.23	5.01	Average	100	197
2	5150.00	59.18	74.00	-14.82	54.17	5.01	Peak	100	197
3	5350.00	50.54	54.00	-3.46	46.12	4.42	Average	100	197
4	5350.00	65.03	74.00	-8.97	60.61	4.42	Peak	100	197
5	10540.00	57.55	68.20	-10.65	43.11	14.44	Peak	315	195
6	15810.00	43.05	54.00	-10.95	29.55	13.50	Average	100	60
7	15810.00	55.17	74.00	-18.83	41.67	13.50	Peak	100	60

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

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		

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

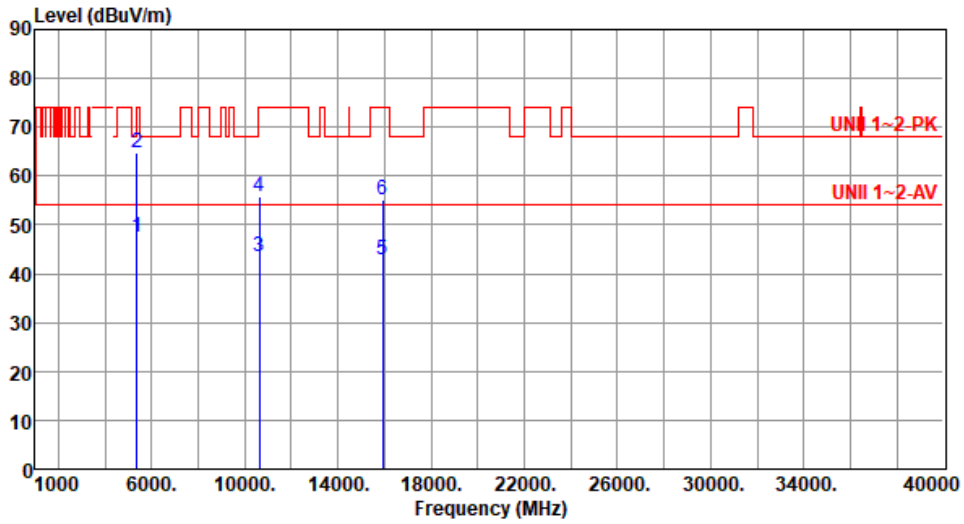


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.65	54.00	-8.35	40.64	5.01	Average	350	149
2	5150.00	59.01	74.00	-14.99	54.00	5.01	Peak	350	149
3	5350.00	47.67	54.00	-6.33	43.25	4.42	Average	350	149
4	5350.00	61.08	74.00	-12.92	56.66	4.42	Peak	350	149
5	10540.00	56.70	68.20	-11.50	42.26	14.44	Peak	100	6
6	15810.00	42.87	54.00	-11.13	29.37	13.50	Average	100	40
7	15810.00	54.88	74.00	-19.12	41.38	13.50	Peak	100	40

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

Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		

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

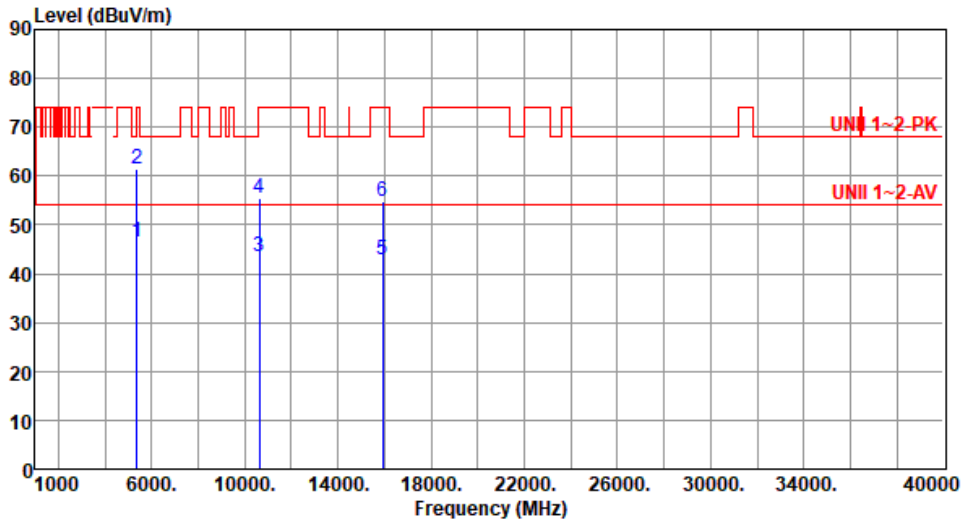


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.57	54.00	-6.43	43.15	4.42	Average	100	192
2	5350.00	64.89	74.00	-9.11	60.47	4.42	Peak	100	192
3	10620.00	43.62	54.00	-10.38	29.26	14.36	Average	100	60
4	10620.00	55.92	74.00	-18.08	41.56	14.36	Peak	100	60
5	15930.00	42.87	54.00	-11.13	29.24	13.63	Average	100	30
6	15930.00	55.07	74.00	-18.93	41.44	13.63	Peak	100	30

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

Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		

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

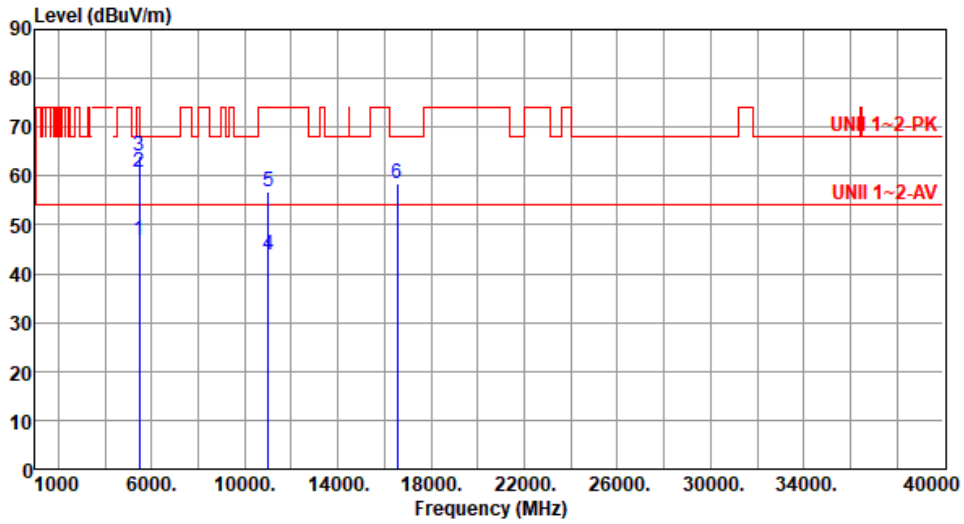


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.41	54.00	-7.59	41.99	4.42	Average	342	152
2	5350.00	61.37	74.00	-12.63	56.95	4.42	Peak	342	152
3	10620.00	43.38	54.00	-10.62	29.02	14.36	Average	100	40
4	10620.00	55.62	74.00	-18.38	41.26	14.36	Peak	100	40
5	15930.00	42.75	54.00	-11.25	29.12	13.63	Average	100	20
6	15930.00	54.90	74.00	-19.10	41.27	13.63	Peak	100	20

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

Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

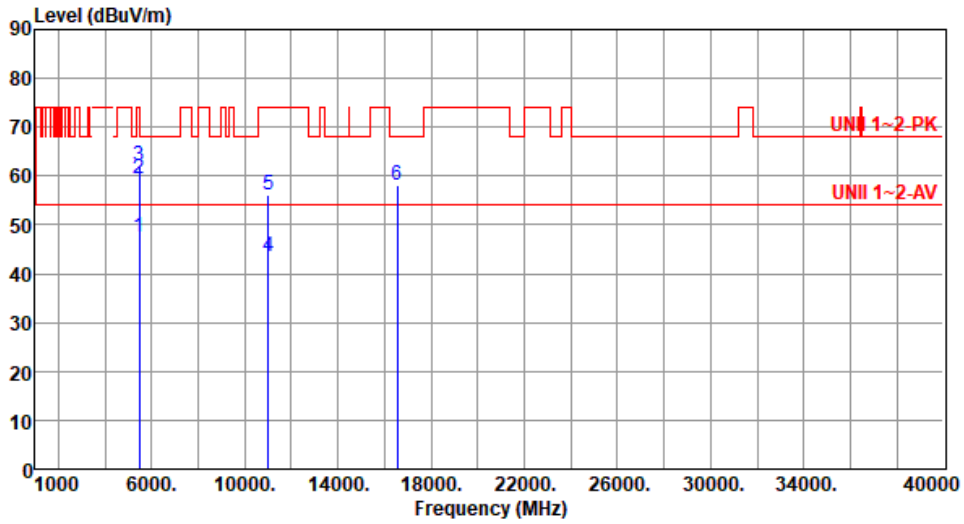


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.71	54.00	-7.29	42.04	4.67	Average	256	23
2	5460.00	60.84	74.00	-13.16	56.17	4.67	Peak	256	23
3	5470.00	64.02	68.20	-4.18	59.32	4.70	Peak	256	23
4	11020.00	43.68	54.00	-10.32	29.12	14.56	Average	100	40
5	11020.00	56.66	74.00	-17.34	42.10	14.56	Peak	100	40
6	16530.00	58.39	68.20	-9.81	42.15	16.24	Peak	100	60

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

Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

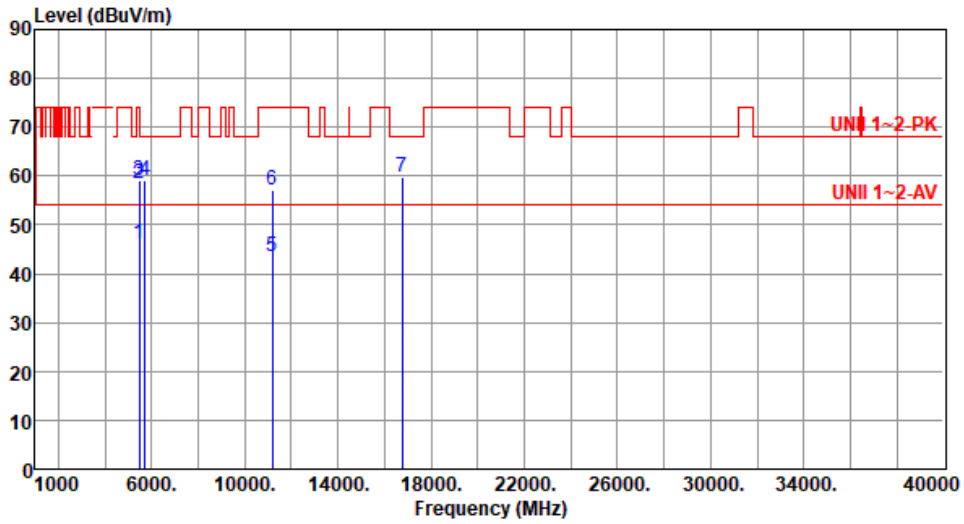


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.34	54.00	-6.66	42.67	4.67	Average	100	124
2	5460.00	59.34	74.00	-14.66	54.67	4.67	Peak	100	124
3	5470.00	62.04	68.20	-6.16	57.34	4.70	Peak	100	124
4	11020.00	43.35	54.00	-10.65	28.79	14.56	Average	100	20
5	11020.00	56.23	74.00	-17.77	41.67	14.56	Peak	100	20
6	16530.00	58.03	68.20	-10.17	41.79	16.24	Peak	100	80

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

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

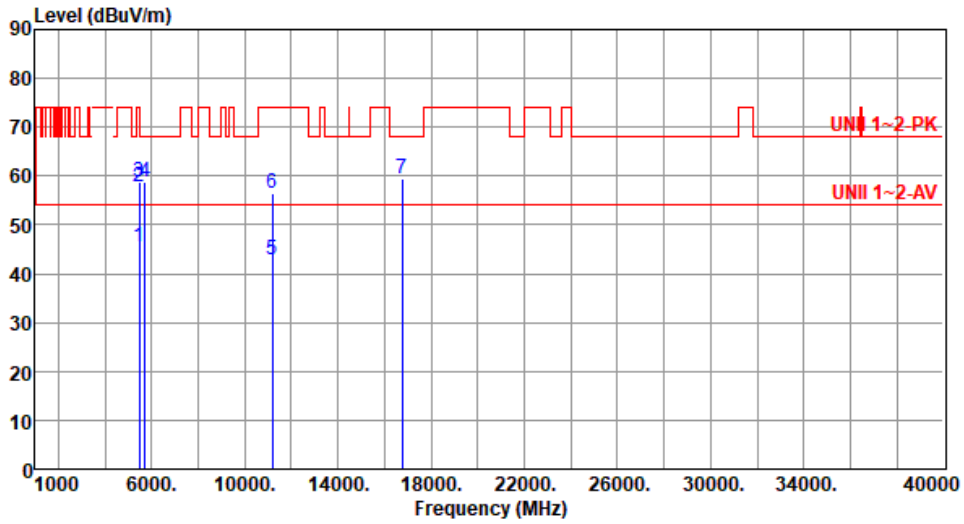


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.15	54.00	-7.85	41.48	4.67	Average	237	23
2	5460.00	58.47	74.00	-15.53	53.80	4.67	Peak	237	23
3	5470.00	58.96	68.20	-9.24	54.26	4.70	Peak	237	23
4	5725.00	59.19	68.20	-9.01	54.02	5.17	Peak	237	23
5	11180.00	43.36	54.00	-10.64	29.48	13.88	Average	100	109
6	11180.00	57.03	74.00	-16.97	43.15	13.88	Peak	100	109
7	16770.00	59.68	68.20	-8.52	42.33	17.35	Peak	100	80

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

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

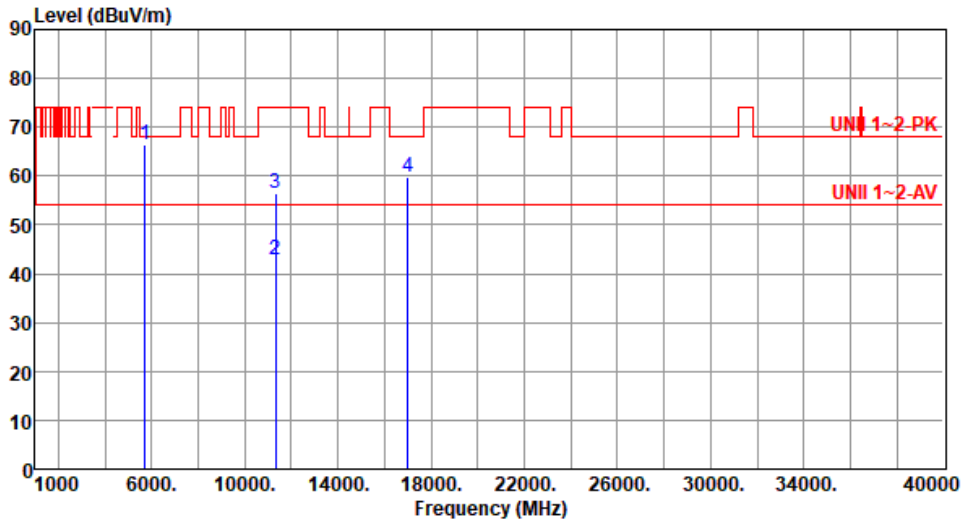


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.34	54.00	-8.66	40.67	4.67	Average	100	125
2	5460.00	57.88	74.00	-16.12	53.21	4.67	Peak	100	125
3	5470.00	58.66	68.20	-9.54	53.96	4.70	Peak	100	125
4	5725.00	58.80	68.20	-9.40	53.63	5.17	Peak	100	125
5	11180.00	42.90	54.00	-11.10	29.02	13.88	Average	100	220
6	11180.00	56.37	74.00	-17.63	42.49	13.88	Peak	100	220
7	16770.00	59.49	68.20	-8.71	42.14	17.35	Peak	100	40

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

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

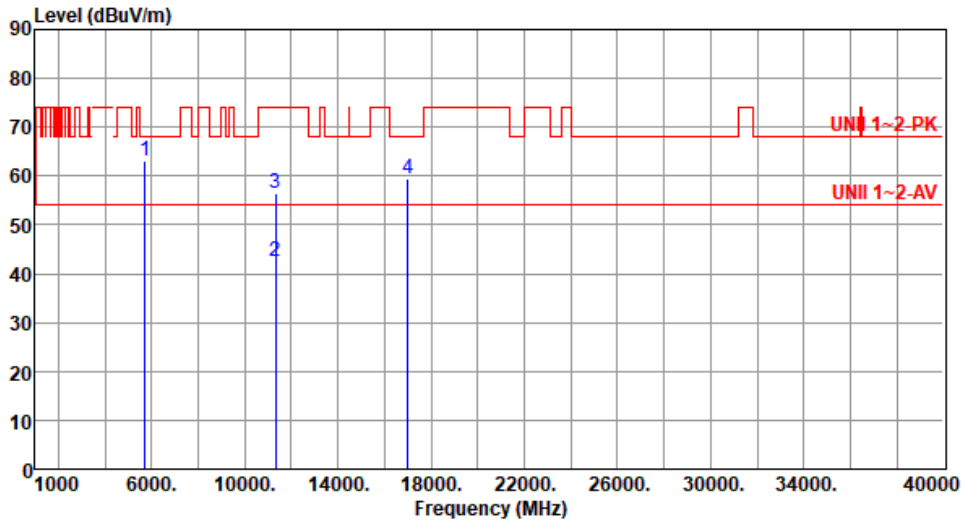


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	66.32	68.20	-1.88	61.15	5.17	Peak	266	24
2	11340.00	42.96	54.00	-11.04	28.98	13.98	Average	100	60
3	11340.00	56.54	74.00	-17.46	42.56	13.98	Peak	100	60
4	17010.00	59.67	68.20	-8.53	42.42	17.25	Peak	100	20

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

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

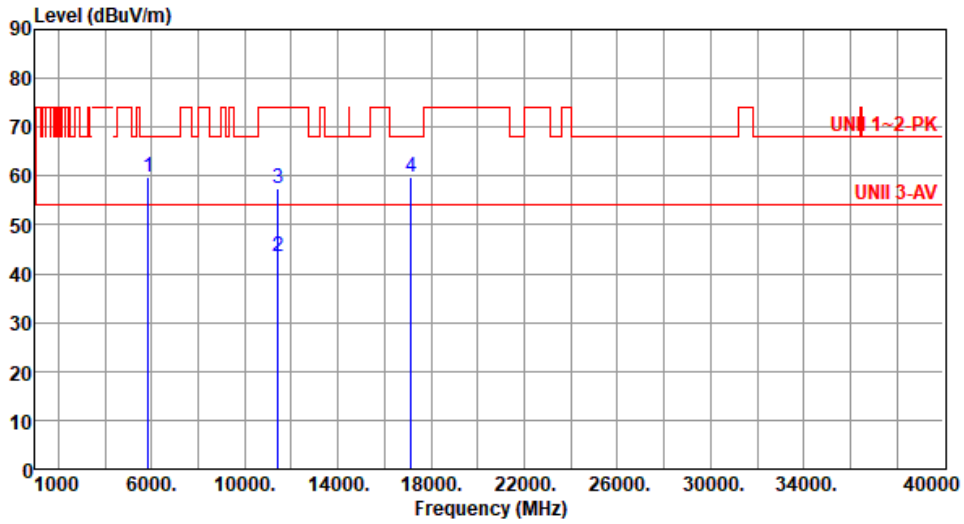


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	63.05	68.20	-5.15	57.88	5.17	Peak	100	123
2	11340.00	42.54	54.00	-11.46	28.56	13.98	Average	100	40
3	11340.00	56.32	74.00	-17.68	42.34	13.98	Peak	100	40
4	17010.00	59.46	68.20	-8.74	42.21	17.25	Peak	100	90

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

Modulation	VHT40	Test Freq. (MHz)	5710
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

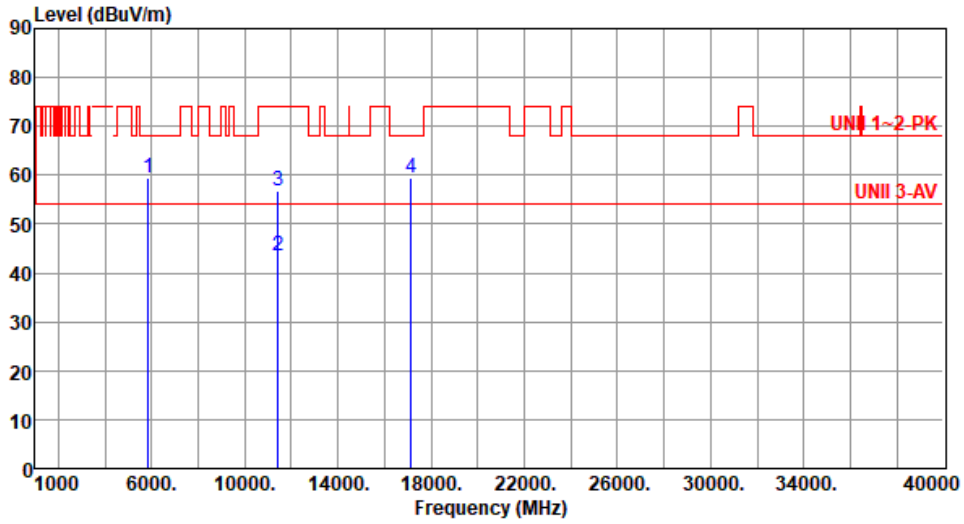


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.91	68.20	-8.29	54.26	5.65	Peak	228	26
2	11420.00	43.52	54.00	-10.48	29.32	14.20	Average	100	110
3	11420.00	57.41	74.00	-16.59	43.21	14.20	Peak	100	110
4	17130.00	59.88	68.20	-8.32	42.45	17.43	Peak	100	70

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

Modulation	VHT40	**Test Freq. (MHz)**	5710
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

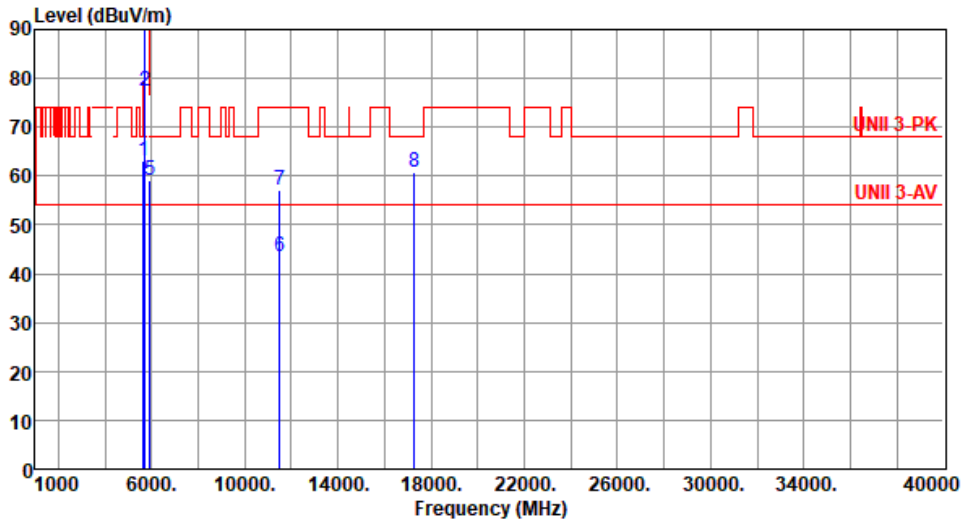


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5850.00	59.28	68.20	-8.92	53.63	5.65	Peak	100	122
2	11420.00	43.35	54.00	-10.65	29.15	14.20	Average	100	80
3	11420.00	56.66	74.00	-17.34	42.46	14.20	Peak	100	80
4	17130.00	59.59	68.20	-8.61	42.16	17.43	Peak	100	30

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

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

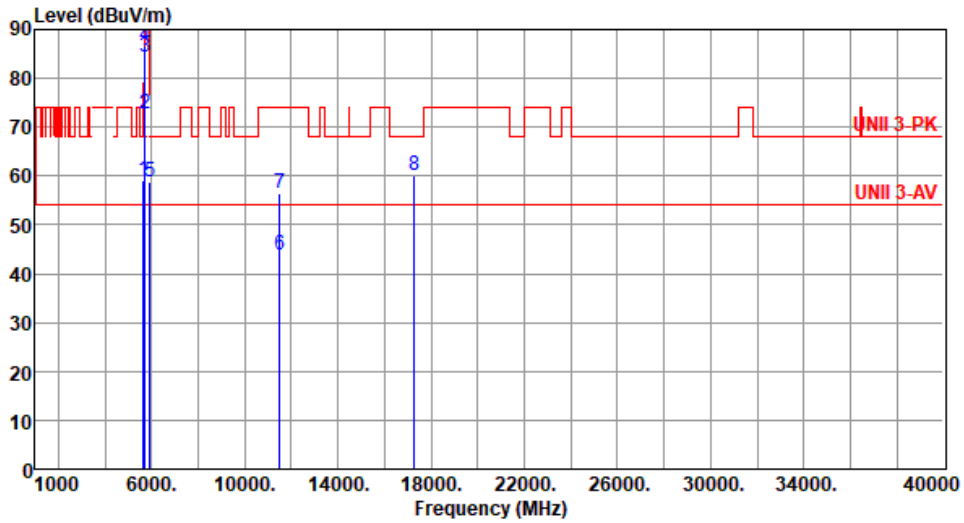


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	63.26	68.20	-4.94	58.45	4.81	Peak	255	34
2	5700.00	77.46	105.20	-27.74	72.44	5.02	Peak	255	34
3	5720.00	89.27	110.80	-21.53	84.13	5.14	Peak	255	34
4	5725.00	90.40	122.20	-31.80	85.23	5.17	Peak	255	34
5	5925.00	59.06	68.20	-9.14	53.45	5.61	Peak	255	34
6	11510.00	43.62	54.00	-10.38	29.22	14.40	Average	100	20
7	11510.00	57.07	74.00	-16.93	42.67	14.40	Peak	100	20
8	17265.00	60.62	68.20	-7.58	43.12	17.50	Peak	100	80

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

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

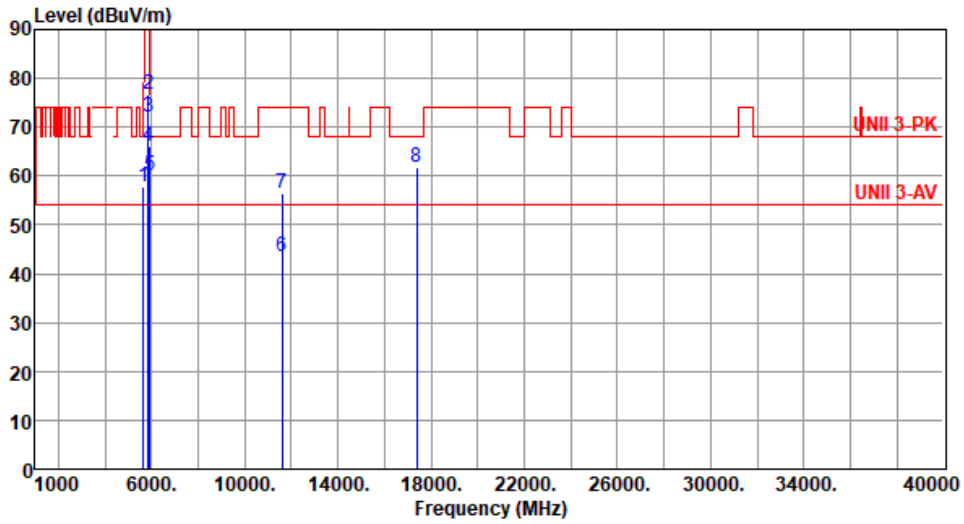


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.00	68.20	-9.20	54.19	4.81	Peak	100	131
2	5700.00	72.61	105.20	-32.59	67.59	5.02	Peak	100	131
3	5720.00	84.25	110.80	-26.55	79.11	5.14	Peak	100	131
4	5725.00	86.63	122.20	-35.57	81.46	5.17	Peak	100	131
5	5925.00	58.77	68.20	-9.43	53.16	5.61	Peak	100	131
6	11510.00	43.85	54.00	-10.15	29.45	14.40	Average	100	30
7	11510.00	56.56	74.00	-17.44	42.16	14.40	Peak	100	30
8	17265.00	60.14	68.20	-8.06	42.64	17.50	Peak	100	20

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65

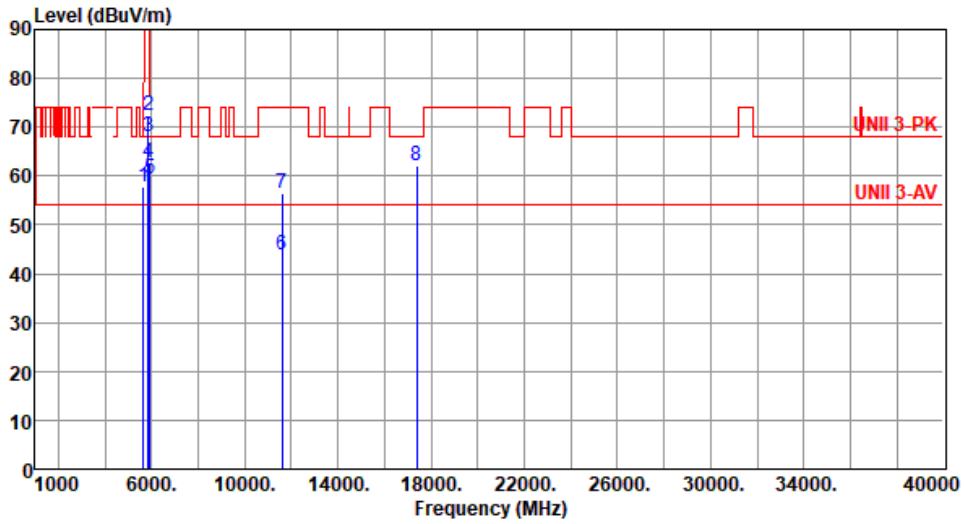


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.95	68.20	-10.25	53.14	4.81	Peak	259	27
2	5850.00	76.60	122.20	-45.60	70.95	5.65	Peak	259	27
3	5855.00	71.93	110.80	-38.87	66.28	5.65	Peak	259	27
4	5875.00	66.08	105.20	-39.12	60.42	5.66	Peak	259	27
5	5925.00	60.17	68.20	-8.03	54.56	5.61	Peak	259	27
6	11590.00	43.48	54.00	-10.52	29.29	14.19	Average	100	10
7	11590.00	56.33	74.00	-17.67	42.14	14.19	Peak	100	10
8	17385.00	61.71	68.20	-6.49	43.58	18.13	Peak	100	90

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

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):65



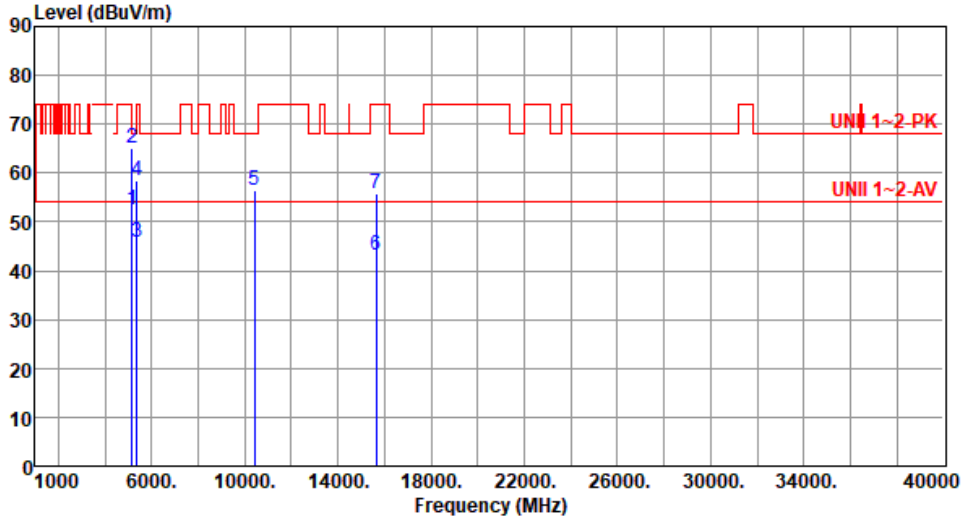
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	57.82	68.20	-10.38	53.01	4.81	Peak	100	139
2	5850.00	72.24	122.20	-49.96	66.59	5.65	Peak	100	139
3	5855.00	68.07	110.80	-42.73	62.42	5.65	Peak	100	139
4	5875.00	62.91	105.20	-42.29	57.25	5.66	Peak	100	139
5	5925.00	59.29	68.20	-8.91	53.68	5.61	Peak	100	139
6	11590.00	43.76	54.00	-10.24	29.57	14.19	Average	100	35
7	11590.00	56.55	74.00	-17.45	42.36	14.19	Peak	100	35
8	17385.00	61.94	68.20	-6.26	43.81	18.13	Peak	100	28

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

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):23 Humidity(%):68

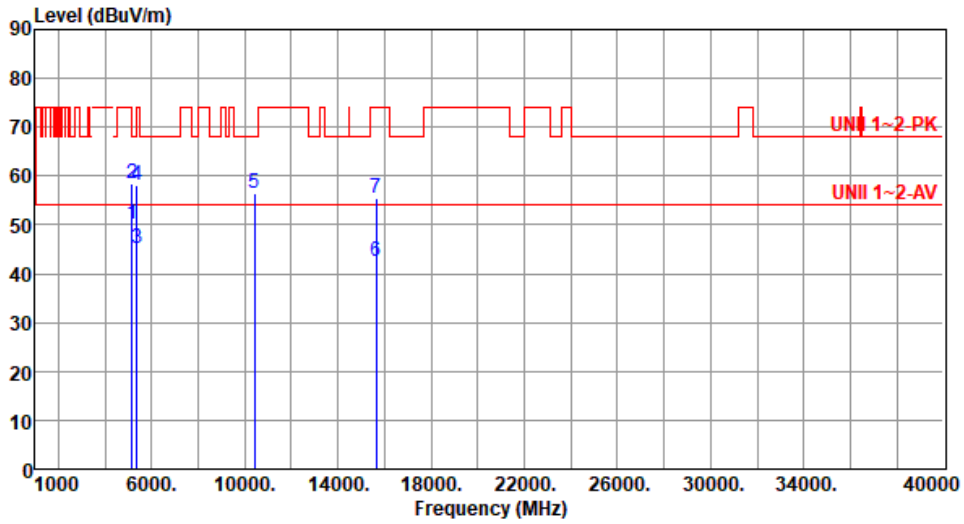


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.55	54.00	-1.45	47.54	5.01	Average	100	196
2	5150.00	65.17	74.00	-8.83	60.16	5.01	Peak	100	196
3	5350.00	45.68	54.00	-8.32	41.26	4.42	Average	100	196
4	5350.00	58.40	74.00	-15.60	53.98	4.42	Peak	100	196
5	10420.00	56.52	68.20	-11.68	42.16	14.36	Peak	100	90
6	15630.00	43.01	54.00	-10.99	29.66	13.35	Average	100	95
7	15630.00	55.90	74.00	-18.10	42.55	13.35	Peak	100	95

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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 :Akun Chung Temperature(℃):23 Humidity(%):68

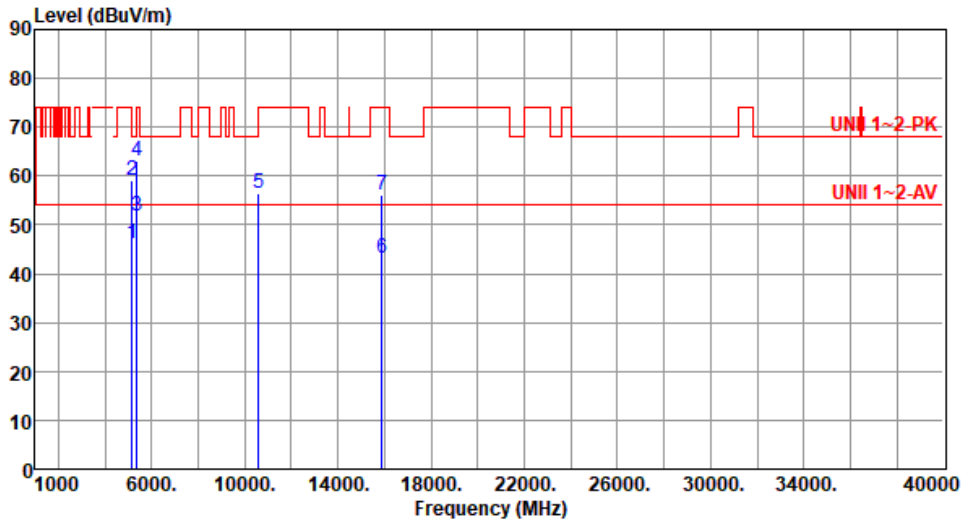


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	50.13	54.00	-3.87	45.12	5.01	Average	337	151
2	5150.00	58.54	74.00	-15.46	53.53	5.01	Peak	327	151
3	5350.00	45.10	54.00	-8.90	40.68	4.42	Average	327	151
4	5350.00	58.09	74.00	-15.91	53.67	4.42	Peak	327	151
5	10420.00	56.53	68.20	-11.67	42.17	14.36	Peak	100	70
6	15630.00	42.46	54.00	-11.54	29.11	13.35	Average	100	81
7	15630.00	55.55	74.00	-18.45	42.20	13.35	Peak	100	81

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

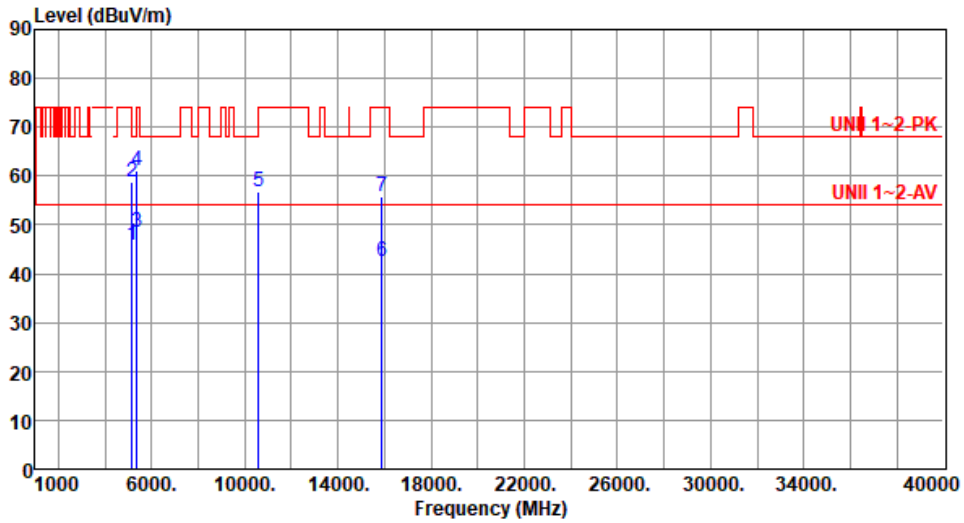


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.33	54.00	-7.67	41.32	5.01	Average	100	194
2	5150.00	59.28	74.00	-14.72	54.27	5.01	Peak	100	194
3	5350.00	51.67	54.00	-2.33	47.25	4.42	Average	100	194
4	5350.00	63.23	74.00	-10.77	58.81	4.42	Peak	100	194
5	10580.00	56.51	68.20	-11.69	42.13	14.38	Peak	100	20
6	15870.00	43.15	54.00	-10.85	29.60	13.55	Average	100	25
7	15870.00	56.13	74.00	-17.87	42.58	13.55	Peak	100	25

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

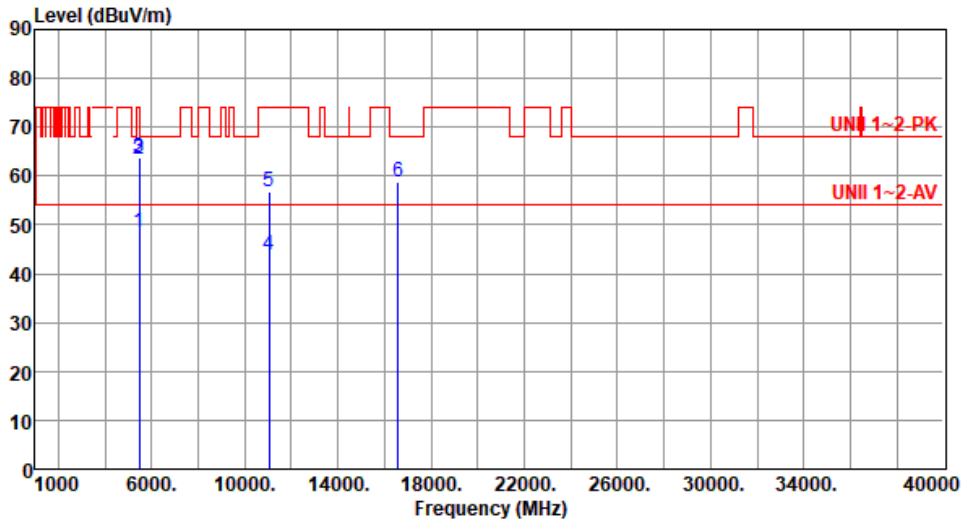


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.69	54.00	-8.31	40.68	5.01	Average	322	148
2	5150.00	58.67	74.00	-15.33	53.66	5.01	Peak	322	148
3	5350.00	48.53	54.00	-5.47	44.11	4.42	Average	322	148
4	5350.00	61.06	74.00	-12.94	56.64	4.42	Peak	322	148
5	10580.00	56.76	68.20	-11.44	42.38	14.38	Peak	100	50
6	15870.00	42.43	54.00	-11.57	28.88	13.55	Average	100	40
7	15870.00	55.84	74.00	-18.16	42.29	13.55	Peak	100	40

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

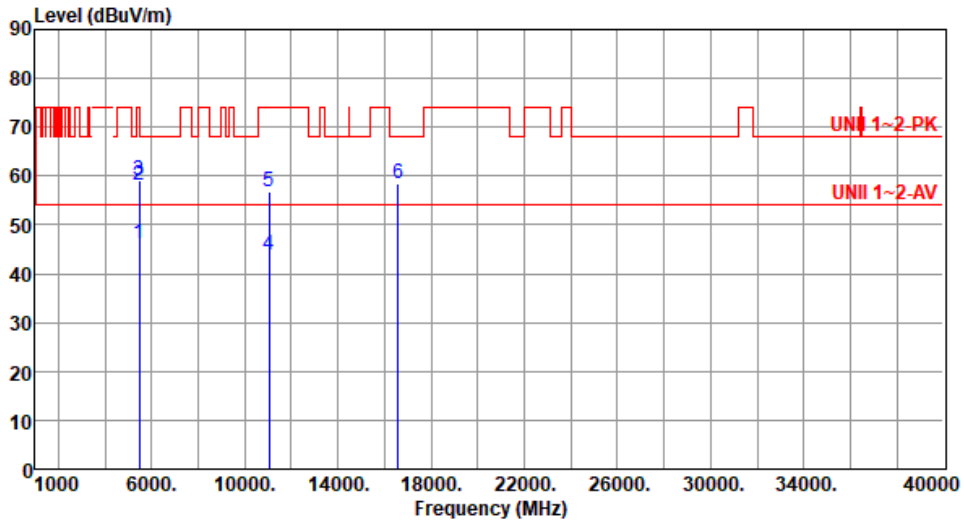


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	48.65	54.00	-5.35	43.98	4.67	Average	254	19
2	5460.00	63.52	74.00	-10.48	58.85	4.67	Peak	254	19
3	5470.00	63.74	68.20	-4.46	59.04	4.70	Peak	254	19
4	11060.00	43.95	54.00	-10.05	29.56	14.39	Average	100	40
5	11060.00	56.88	74.00	-17.12	42.49	14.39	Peak	100	40
6	16590.00	58.83	68.20	-9.37	42.79	16.04	Peak	100	45

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

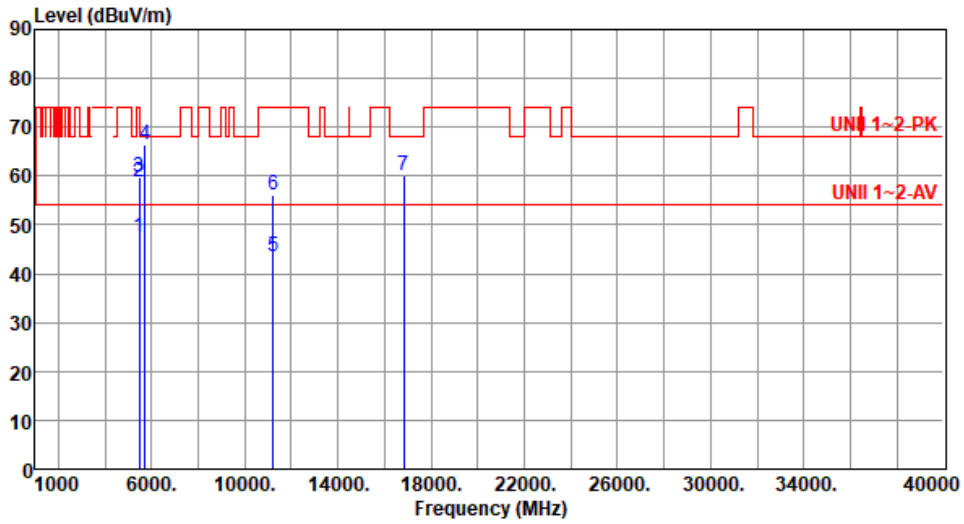


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.02	54.00	-7.98	41.35	4.67	Average	108	138
2	5460.00	58.16	74.00	-15.84	53.49	4.67	Peak	108	138
3	5470.00	58.95	68.20	-9.25	54.25	4.70	Peak	108	138
4	11060.00	43.74	54.00	-10.26	29.35	14.39	Average	100	20
5	11060.00	56.76	74.00	-17.24	42.37	14.39	Peak	100	20
6	16590.00	58.43	68.20	-9.77	42.39	16.04	Peak	100	15

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

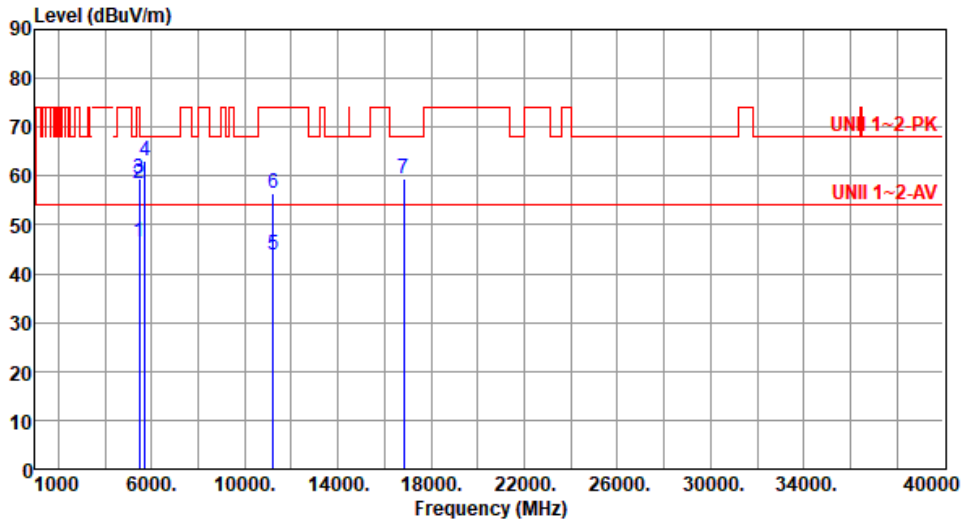


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.38	54.00	-6.62	42.71	4.67	Average	257	23
2	5460.00	58.83	74.00	-15.17	54.16	4.67	Peak	257	23
3	5470.00	59.70	68.20	-8.50	55.00	4.70	Peak	257	23
4	5725.00	66.37	68.20	-1.83	61.20	5.17	Peak	257	23
5	11220.00	43.57	54.00	-10.43	29.75	13.82	Average	100	80
6	11220.00	56.18	74.00	-17.82	42.36	13.82	Peak	100	80
7	16830.00	60.12	68.20	-8.08	42.66	17.46	Peak	100	90

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

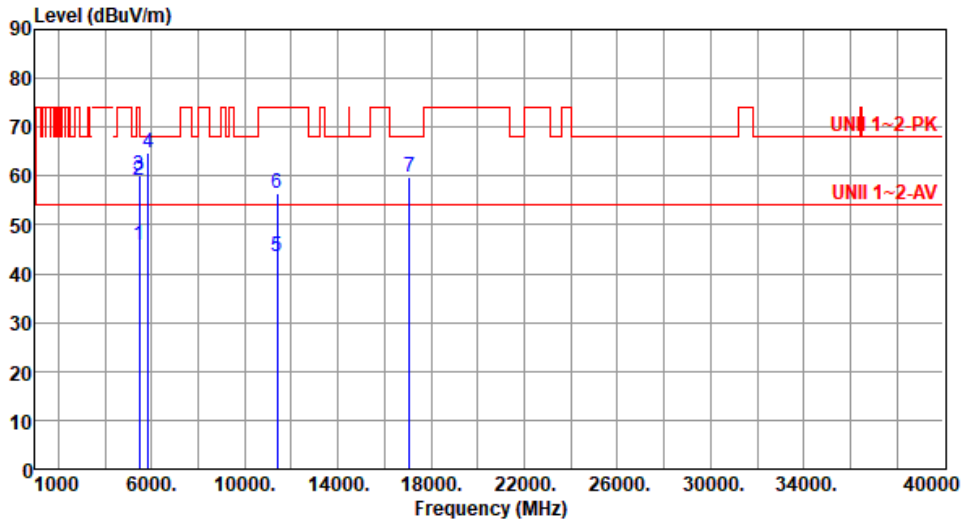


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.34	54.00	-7.66	41.67	4.67	Average	100	119
2	5460.00	58.34	74.00	-15.66	53.67	4.67	Peak	100	119
3	5470.00	59.33	68.20	-8.87	54.63	4.70	Peak	100	119
4	5725.00	63.05	68.20	-5.15	57.88	5.17	Peak	100	119
5	11220.00	43.70	54.00	-10.30	29.88	13.82	Average	100	40
6	11220.00	56.40	74.00	-17.60	42.58	13.82	Peak	100	40
7	16830.00	59.60	68.20	-8.60	42.14	17.46	Peak	100	35

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

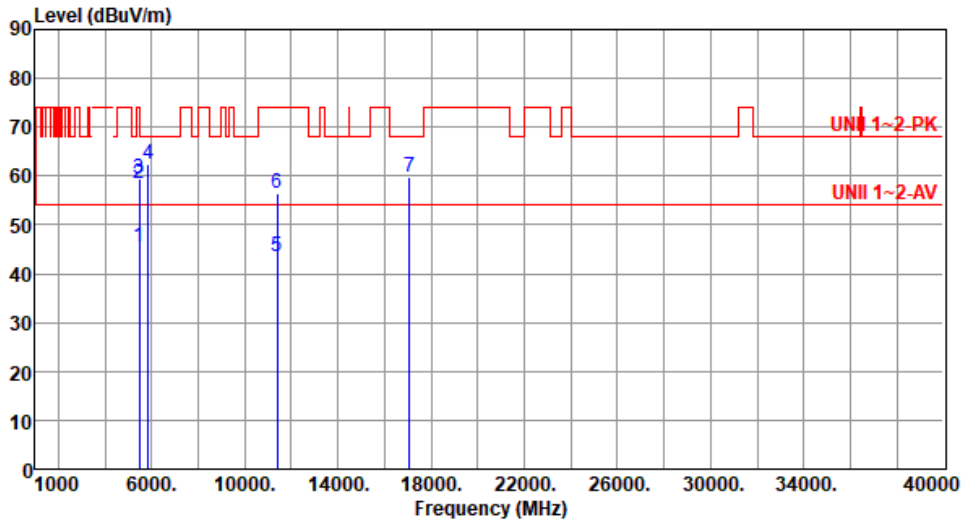


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.95	54.00	-8.05	41.28	4.67	Average	225	25
2	5460.00	59.00	74.00	-15.00	54.33	4.67	Peak	225	25
3	5470.00	60.00	68.20	-8.20	55.30	4.70	Peak	225	25
4	5850.00	64.68	68.20	-3.52	59.03	5.65	Peak	225	25
5	11380.00	43.64	54.00	-10.36	29.55	14.09	Average	100	90
6	11380.00	56.41	74.00	-17.59	42.32	14.09	Peak	100	90
7	17070.00	59.76	68.20	-8.44	42.39	17.37	Peak	100	80

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

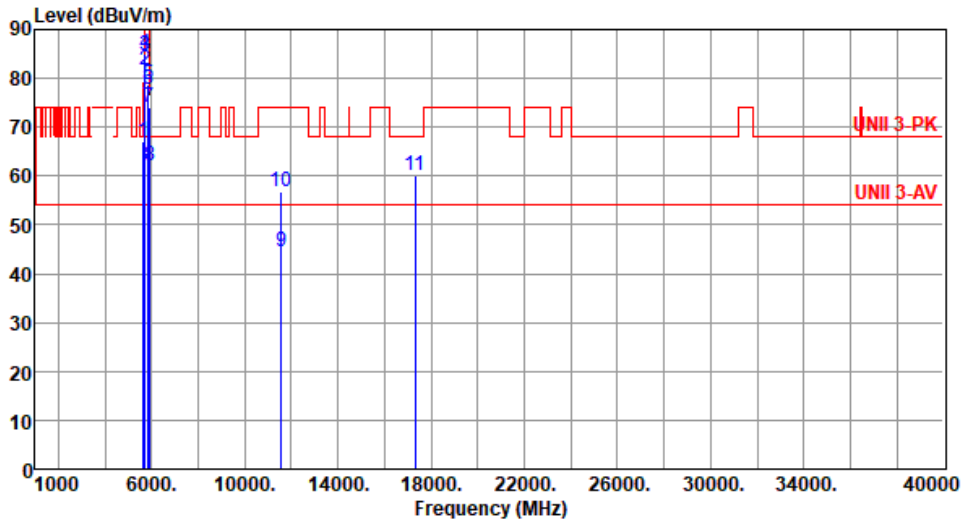


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.34	54.00	-8.66	40.67	4.67	Average	100	130
2	5460.00	58.37	74.00	-15.63	53.70	4.67	Peak	100	130
3	5470.00	59.33	68.20	-8.87	54.63	4.70	Peak	100	130
4	5850.00	62.53	68.20	-5.67	56.88	5.65	Peak	100	130
5	11380.00	43.56	54.00	-10.44	29.47	14.09	Average	100	40
6	11380.00	56.37	74.00	-17.63	42.28	14.09	Peak	100	40
7	17070.00	59.69	68.20	-8.51	42.32	17.37	Peak	100	43

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

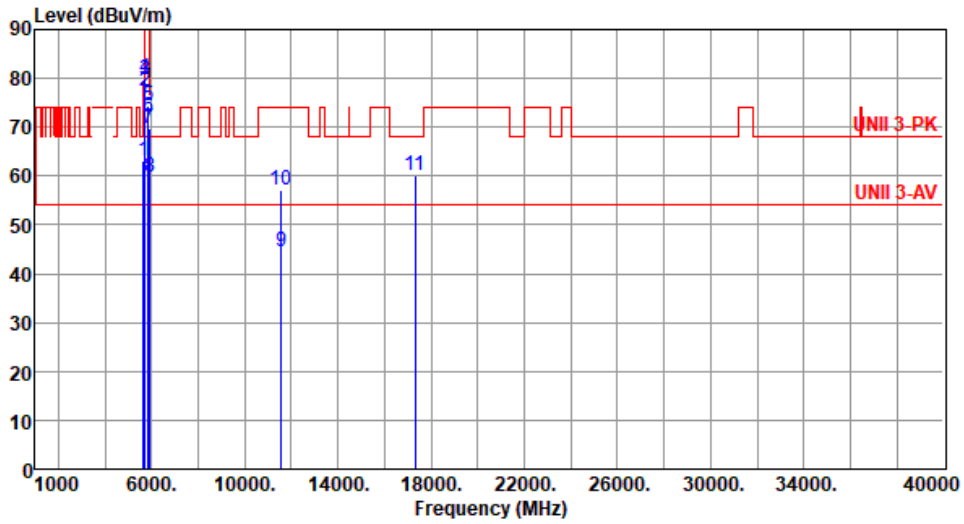


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	66.93	68.20	-1.27	62.12	4.81	Peak	100	36
2	5700.00	81.57	105.20	-23.63	76.55	5.02	Peak	100	36
3	5720.00	84.65	110.80	-26.15	79.51	5.14	Peak	100	36
4	5725.00	84.85	122.20	-37.35	79.68	5.17	Peak	100	36
5	5850.00	78.87	122.20	-43.33	73.22	5.65	Peak	100	36
6	5855.00	77.86	110.80	-32.94	72.21	5.65	Peak	100	36
7	5875.00	74.17	105.20	-31.03	68.51	5.66	Peak	100	36
8	5925.00	62.14	68.20	-6.06	56.53	5.61	Peak	100	36
9	11550.00	44.45	54.00	-9.55	30.15	14.30	Average	100	40
10	11550.00	56.88	74.00	-17.12	42.58	14.30	Peak	100	40
11	17325.00	60.19	68.20	-8.01	42.48	17.71	Peak	100	49

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*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	63.05	68.20	-5.15	58.24	4.81	Peak	100	134
2	5700.00	77.45	105.20	-27.75	72.43	5.02	Peak	100	134
3	5720.00	79.73	110.80	-31.07	74.59	5.14	Peak	100	134
4	5725.00	80.06	122.20	-42.14	74.89	5.17	Peak	100	134
5	5850.00	74.24	122.20	-47.96	68.59	5.65	Peak	100	134
6	5855.00	72.14	110.80	-38.66	66.49	5.65	Peak	100	134
7	5875.00	69.77	105.20	-35.43	64.11	5.66	Peak	100	134
8	5925.00	59.83	68.20	-8.37	54.22	5.61	Peak	100	134
9	11550.00	44.59	54.00	-9.41	30.29	14.30	Average	100	60
10	11550.00	57.06	74.00	-16.94	42.76	14.30	Peak	100	60
11	17325.00	60.25	68.20	-7.95	42.54	17.71	Peak	100	45

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

3.6 Frequency Stability

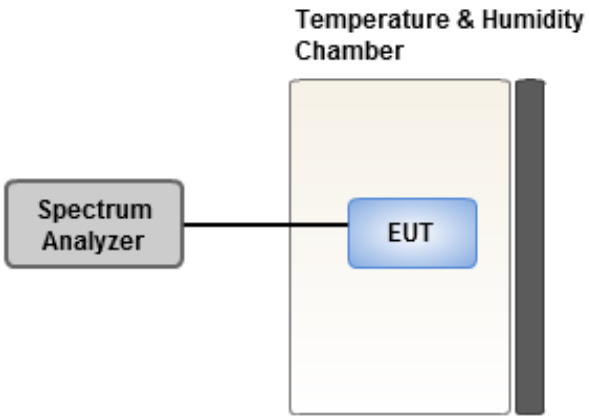
3.6.1 Limit of Frequency Stability

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°C / 66%	Tested By	Aska Huang

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (ºC)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.30	-0.62	-0.83	0.27
T20°CVmin	-1.07	-0.54	-0.74	-1.23
T60CVnom	-1.36	-1.23	-0.34	-0.92
T50CVnom	-0.80	-1.66	-0.88	-0.86
T40°CVnom	-0.63	-0.75	-1.36	-0.89
T30°CVnom	-1.02	-1.12	-0.11	-1.17
T20°CVnom	-0.75	-0.26	-1.22	-0.88
T10°CVnom	-0.33	-0.46	-0.55	-1.20
T0°CVnom	-0.88	-0.39	-0.31	-0.12
T-10°CVnom	-0.24	-0.04	-0.86	-0.23
T-20°CVnom	0.30	-0.14	-0.07	0.04
T-30°CVnom	0.77	0.16	0.70	0.46
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 60		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (ºC)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	-0.99	-4.57	-3.97	-4.53
T20°CVmin	-0.99	-4.27	-4.41	-4.19
T60CVnom	-1.28	-2.33	-2.08	-2.09
T50CVnom	-1.28	-2.33	-2.08	-2.09
T40°CVnom	-1.11	-2.90	-2.94	-2.76
T30°CVnom	-0.99	-2.67	-2.77	-2.14
T20°CVnom	-0.99	-2.78	-2.92	-3.01
T10°CVnom	-0.99	-2.94	-2.06	-2.30
T0°CVnom	-0.81	-2.39	-2.18	-2.33
T-10°CVnom	-0.64	-3.99	-4.99	-4.66
T-20°CVnom	-0.64	-3.14	-3.12	-3.85
T-30°CVnom	-0.47	-3.87	-3.37	-3.33
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 60		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.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

==END==