FCC Test Report

FCC ID	:	**MXF-W1701K**
Equipment	:	**Tri-Band AP**
Model No.	:	**W1701K**
Brand Name	:	**Q Fiber**
Applicant	:	**Gemtek Technology Co., Ltd.**
Address	:	**No. 15-1 Zhonghua Road, Hsinchu Industrial Park, Hukou, Hsinchu, Taiwan, 30352.**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jun. 27, 2023**
Tested Date	:	**Aug. 01 ~ Aug. 24, 2023**

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**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR362701AN	Rev. 01	Initial issue	Sep. 25, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.771MHz 51.34 (Margin -4.66dB) - QP	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]:5650.00MHz 68.07 (Margin -0.13dB) - PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	Conducted Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5150-5250MHz: 29.71 5725-5850MHz: 29.89 ***Beamforming mode*** 5150-5250MHz: 29.36 5725-5850MHz: 29.86	Pass
15.407(a)	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 5725-5850	a	5180-5240 5745-5825	36-48 [4] 149-165 [5]	4	6-54 Mbps
5150-5250 5725-5850	n (HT20)	5180-5240 5745-5825	36-48 [4] 149-165 [5]	4	MCS 0-31
5150-5250 5725-5850	n (HT40)	5190-5230 5755-5795	38-46 [2] 151-159 [2]	4	MCS 0-31
5150-5250 5725-5850	ac (VHT20)	5180-5240 5745-5825	36-48 [4] 149-165 [5]	4	MCS 0-9
5150-5250 5725-5850	ac (VHT40)	5190-5230 5755-5795	38-46 [2] 151-159 [2]	4	MCS 0-9
5150-5250 5725-5850	ac (VHT80)	5210 5775	42 [1] 155 [1]	4	MCS 0-9
5150-5250 5725-5850	ax (HE20)	5180-5240 5745-5825	36-48 [4] 149-165 [5]	4	MCS 0-11
5150-5250 5725-5850	ax (HE40)	5190-5230 5755-5795	38-46 [2] 151-159 [2]	4	MCS 0-11
5150-5250 5725-5850	ax (HE80)	5210 5775	42 [1] 155 [1]	4	MCS 0-11
5150-5250 5725-5850	be (EHT20)	5180-5240 5745-5825	36-48 [4] 149-165 [5]	4	MCS 0-13
5150-5250 5725-5850	be (EHT 40)	5190-5230 5755-5795	38-46 [2] 151-159 [2]	4	MCS 0-13
5150-5250 5725-5850	be (EHT 80)	5210 5775	42 [1] 155 [1]	4	MCS 0-13
Note 1: OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM and 4096QAM modulation. Note 2: 802.11be supports beamforming function.					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
					2400~2483.5	5150~5250	5725~5850
1	Gemtek	WREM-129AX_Dual_Ant1	PIFA	NA	1.01	1.21	1.43
2	Gemtek	WREM-129AX_Dual_Ant2	PIFA	UFL	1.06	1.17	2.06
3	Gemtek	WREM-129AX_Dual_Ant3	PIFA	UFL	1.09	1.39	2.81
4	Gemtek	WREM-129AX_Dual_Ant4	PIFA	UFL	1.03	2.58	1.37

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from Internal Power source

1.1.4 Accessories

Accessories		
No.	**Equipment**	**Description**
1	Internal Power source	Brand: LUCENT TRANS ELECTRONICS CO., LTD. Model: 1A106-US1240 I/P: 100-120Vac, 50/60Hz, 1.4A max O/P: 12V⎓4.0A, 48.0W
2	Internal Power source	Brand: LEADER ELECTRONICS INC. Model: SL42-1120350-3C I/P: 100-120Vac, 50-60Hz, 1.5A O/P: 12V⎓3.5A
3	Fan	Brand: SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD Model: EG75070S1-C395-S99
4	Fan	Brand: Yingfan Model: NB801005HHT4B10001

1.1.5 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20 / be EHT20		802.11n HT40 / ac VHT40 / ax HE40 / be EHT40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	151	5755
48	5240	159	5795
149	5745	**802.11ac VHT80 / ax HE80 / be EHT80**	
153	5765	42	5210
157	5785	155	5775
161	5805	-	-
165	5825	-	-

1.1.6 Test Tool and Duty Cycle

Test Tool	QATool, Version: 0.0.2.99		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	98.95%	0.05
	be EHT20-OFDMA	99.75%	0.01
	be EHT40-OFDMA	99.02%	0.04
	be EHT80-OFDMA	96.57%	0.15

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index	
		Non-Beamforming	Beamforming
11a	5180	22	---
11a	5200	23.5	---
11a	5240	23	---
11a	5745	23.5	---
11a	5785	21	---
11a	5825	23.5	---
be EHT20-OFDMA	5180	22	43
be EHT20-OFDMA	5200	23.5	46
be EHT20-OFDMA	5240	23	45
be EHT20-OFDMA	5745	23.5	46
be EHT20-OFDMA	5785	21.5	42
be EHT20-OFDMA	5825	23.5	47
be EHT40-OFDMA	5190	21	42
be EHT40-OFDMA	5230	22	43
be EHT40-OFDMA	5755	23.5	45
be EHT40-OFDMA	5795	24	46
be EHT80-OFDMA	5210	20	39
be EHT80-OFDMA	5775	23	45

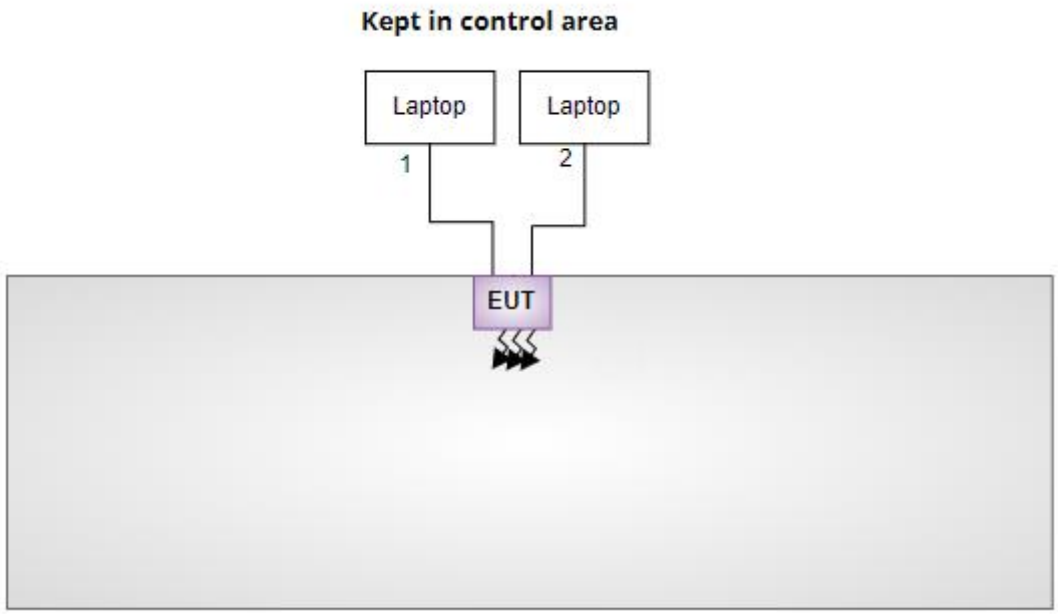
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Laptop	DELL	Latitude 5400	DoC	---
2	Laptop	DELL	Latitude E5470	DoC	---
3	Fixture	---	---	---	---
4	Laptop	DELL	Latitude E5470	---	---

Note: The fixture and laptop are disconnected from EUT and removed from test table when EUT is set to transmit continuously.

1.3 Test Setup Chart

Test Setup Diagram



No.	Signal cable / Length (m)
1-2	RJ45, 10m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Aug. 17, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 17, 2023	Feb. 16, 2024
LISN	R&S	ENV216	101579	May 09, 2023	May 08, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 03, 2023	Jan. 02, 2024
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 17, 2022	Oct. 16, 2023
50 ohm terminal (Support Unit)	NA	50	01	Jun. 14, 2023	Jun. 13, 2024
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Aug. 01 ~ Aug. 22, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101910	Apr. 14, 2023	Apr. 13, 2024
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 21, 2023	Jun. 20, 2024
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 09, 2022	Dec. 08, 2023
Attenuator	Pasternack	PE7005-10	10-2	Oct. 06, 2022	Oct. 05, 2023
Measurement Software	Sporton	SENSE-15407_NII	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 14 ~ Aug. 24, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 31, 2023	Jul. 30, 2024
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 25, 2022	Nov. 24, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2023	Jun. 27, 2024
Preamplifier	EMC	EMC118A45SE	980898	Jul. 14, 2023	Jul. 13, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 04, 2022	Oct. 03, 2023
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 04, 2022	Oct. 03, 2023
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 06, 2022	Oct. 05, 2023
Attenuator	Pasternack	PE7005-10	10-1	Oct. 06, 2022	Oct. 05, 2023
Measurement Software	AUDIX	e3	6.120210g	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 662911 D01 Multiple Transmitter Output v02r01
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
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted 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

For Frequency band 5150-5250 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Non-beamforming mode				
AC Power Line Conducted Emission	be EHT20-OFDMA	5240	MCS 0	---
Unwanted Emissions ≤1GHz	be EHT20-OFDMA	5240	MCS 0	---
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a be EHT20-OFDMA be EHT40-OFDMA be EHT80-OFDMA	5180 / 5200 / 5240 5180 / 5200 / 5240 5190 / 5230 5210	6 Mbps MCS 0 MCS 0 MCS 0	---
Frequency Stability	Un-modulation	5200	---	---
Beamforming mode				
Conducted Output Power	be EHT20-OFDMA be EHT40-OFDMA be EHT80-OFDMA	5180 / 5200 / 5240 5190 / 5230 5210	MCS 0 MCS 0 MCS 0	---
For Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Non-beamforming mode				
AC Power Line Conducted Emission	be EHT20-OFDMA	5745	MCS 0	---
Unwanted Emissions ≤1GHz	be EHT20-OFDMA	5745	MCS 0	---
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a be EHT20-OFDMA be EHT40-OFDMA be EHT80-OFDMA	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	---
Frequency Stability	Un-modulation	5785	---	---
Beamforming mode				
Conducted Output Power	be EHT20-OFDMA be EHT40-OFDMA be EHT80-OFDMA	5745 / 5785 / 5825 5755 / 5795 5775	MCS 0 MCS 0 MCS 0	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.
2. Two Internal Power source (LUCENT TRANS ELECTRONICS CO., LTD., LEADER ELECTRONICS INC.) had been covered during the pretest, and found that **LUCENT TRANS ELECTRONICS CO.** worst case and was selected for final test.
3. Two Fan (SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD and Yingfan) had been covered during the pretest, and found that **SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD** was the worst case and was selected for final test.
4. Non-beamforming and beamforming mode had been covered during the pretest. The worst mode is Non-beamforming thus Non-beamforming is tested for all test items.

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 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.

3.1.2 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.

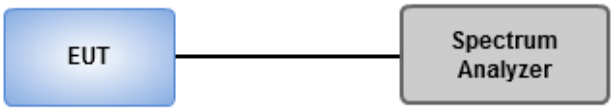
Occupied Bandwidth

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.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	23~24°C / 65%	**Tested By**	Aska Huang

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted 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**
☒	5725 ~ 5850	Conducted Power: 1 W
Note: “B” is the 26dB emission bandwidth in MHz.		

3.2.2 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.

3.2.3 Test Setup

3.2.4 Test Results

Ambient Condition	23~24°C / 65%	**Tested By**	Aska Huang

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of 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**
☒	5725 ~ 5850	30 dBm /500 kHz

3.3.2 Test Procedures

For 5150 ~ 5250 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

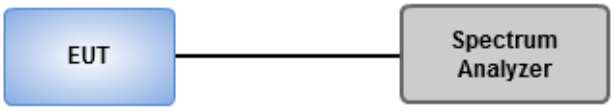
Duty cycle ≥ 98 %

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.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23~24°C / 65%	Tested By	Aska Huang

Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted 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]
5.725 - 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).

3.4.2 Test Procedures

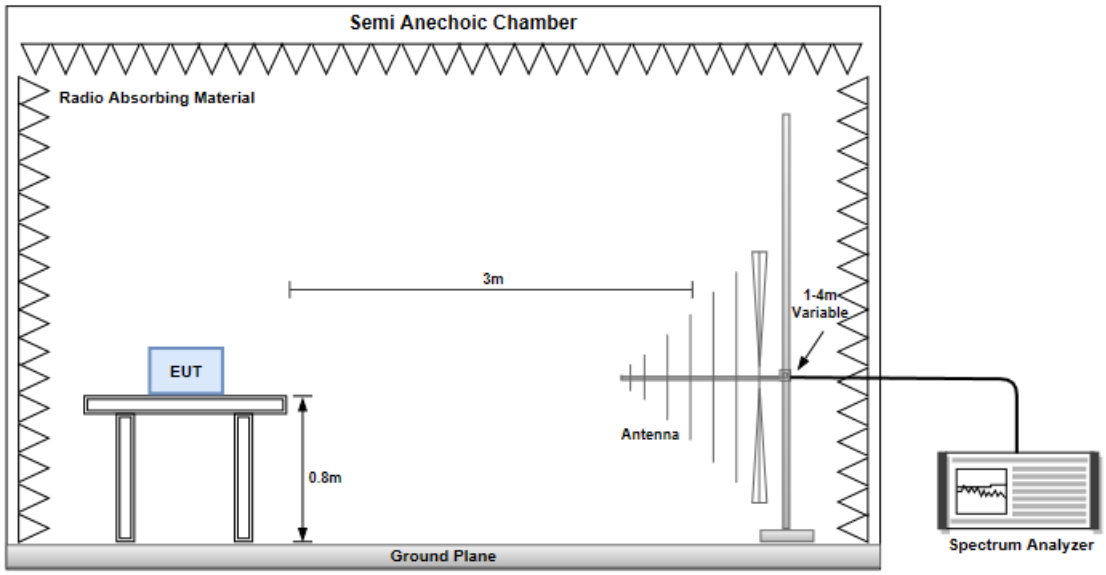
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

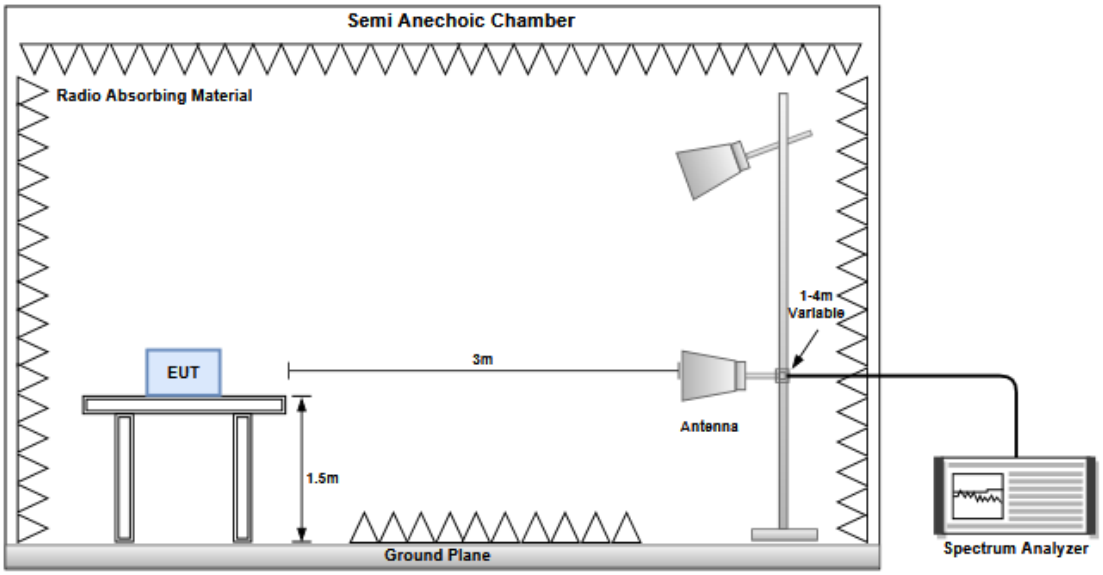
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

3.5 Frequency Stability

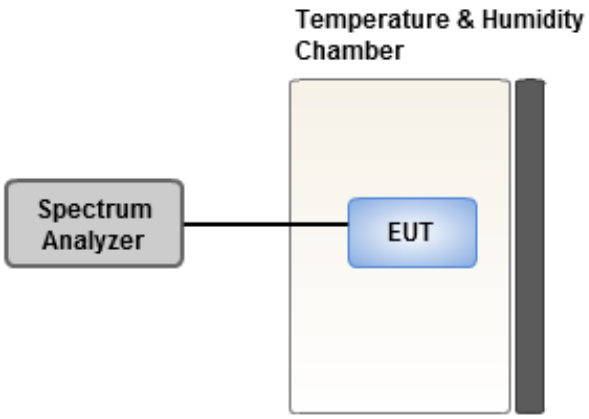
3.5.1 Limit of Frequency Stability

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.

3.5.2 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.

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23~24°C / 65%	Tested By	Aska Huang

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

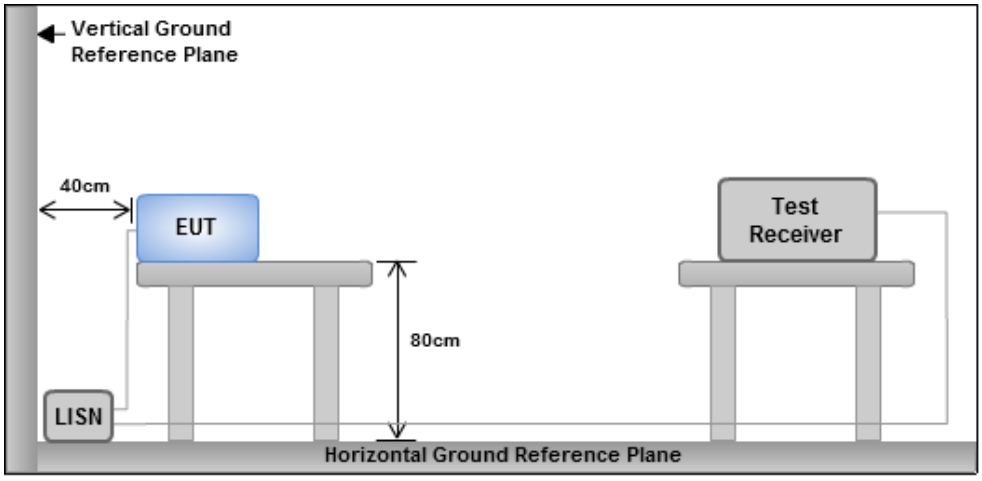
3.6.1 Limit of AC Power Line Conducted Emissions

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.		

3.6.2 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

3.6.3 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

3.6.4 Test Results

Refer to Appendix F.

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 33381, 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==

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)_4TX	32.142M	16.676M	16M7D1D	18.81M	16.413M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	38.478M	19.13M	19M1D1D	19.8M	18.831M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	39.6M	37.661M	37M7D1D	39.072M	37.361M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	92.664M	77.121M	77M1D1D	88.704M	77.001M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.368M	22.35M	22M4D1D	15.972M	16.439M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	19.008M	23.748M	23M7D1D	18.48M	18.921M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	37.092M	38.201M	38M2D1D	32.604M	37.781M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	74.976M	77.361M	77M4D1D	53.856M	77.121M

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 / Minimum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

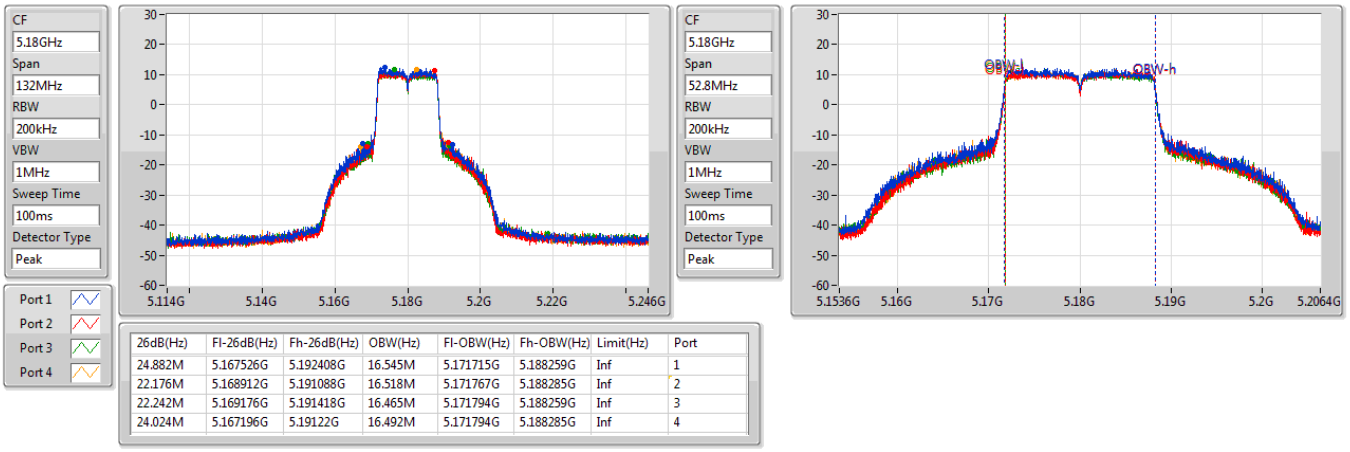
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.882M	16.545M	22.176M	16.518M	22.242M	16.465M	24.024M	16.492M
5200MHz	Pass	Inf	30.756M	16.676M	32.142M	16.597M	27.654M	16.545M	27.522M	16.518M
5240MHz	Pass	Inf	18.81M	16.465M	30.69M	16.545M	26.334M	16.465M	19.536M	16.413M
5745MHz	Pass	500k	16.236M	17.574M	16.302M	17.231M	16.302M	21.241M	16.368M	17.231M
5785MHz	Pass	500k	16.368M	16.439M	16.302M	16.571M	16.368M	16.597M	16.302M	16.571M
5825MHz	Pass	500k	16.038M	18.049M	15.972M	19.13M	16.236M	22.35M	16.302M	21.479M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.836M	18.981M	23.562M	18.981M	22.704M	18.921M	23.364M	18.951M
5200MHz	Pass	Inf	28.644M	19.01M	38.478M	19.13M	27.786M	18.981M	28.248M	19.04M
5240MHz	Pass	Inf	19.8M	18.891M	19.866M	18.951M	19.866M	18.951M	19.866M	18.831M
5745MHz	Pass	500k	18.81M	19.28M	18.48M	19.19M	18.546M	19.64M	18.81M	19.19M
5785MHz	Pass	500k	18.876M	18.981M	18.678M	18.921M	19.008M	18.951M	18.81M	19.1M
5825MHz	Pass	500k	18.612M	19.7M	18.48M	21.649M	18.81M	23.028M	18.81M	23.748M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.204M	37.661M	39.204M	37.601M	39.072M	37.601M	39.336M	37.601M
5230MHz	Pass	Inf	39.6M	37.541M	39.072M	37.541M	39.204M	37.541M	39.072M	37.361M
5755MHz	Pass	500k	37.092M	38.081M	36.432M	37.961M	32.604M	38.201M	34.584M	37.901M
5795MHz	Pass	500k	34.32M	37.781M	32.604M	37.961M	32.868M	37.841M	36.3M	37.841M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	91.872M	77.121M	88.704M	77.001M	92.664M	77.121M	92.4M	77.121M
5775MHz	Pass	500k	53.856M	77.121M	74.976M	77.121M	69.432M	77.241M	74.184M	77.361M

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

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

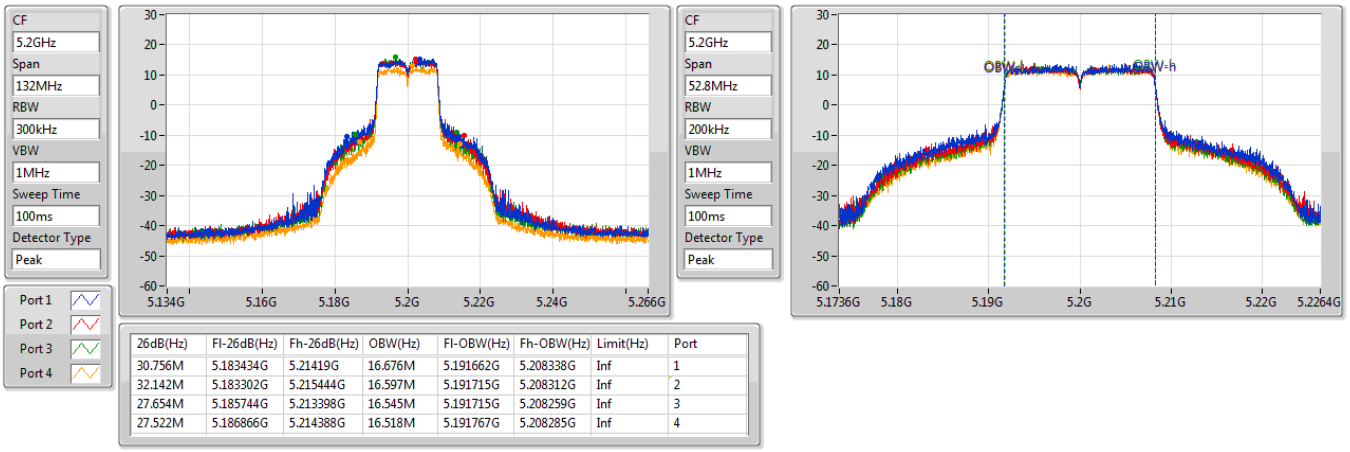
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.882M	5.167526G	5.192408G	16.545M	5.171715G	5.188259G	Inf	1
22.176M	5.168912G	5.191088G	16.518M	5.171767G	5.188285G	Inf	2
22.242M	5.169176G	5.191418G	16.465M	5.171794G	5.188259G	Inf	3
24.024M	5.167196G	5.19122G	16.492M	5.171794G	5.188285G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

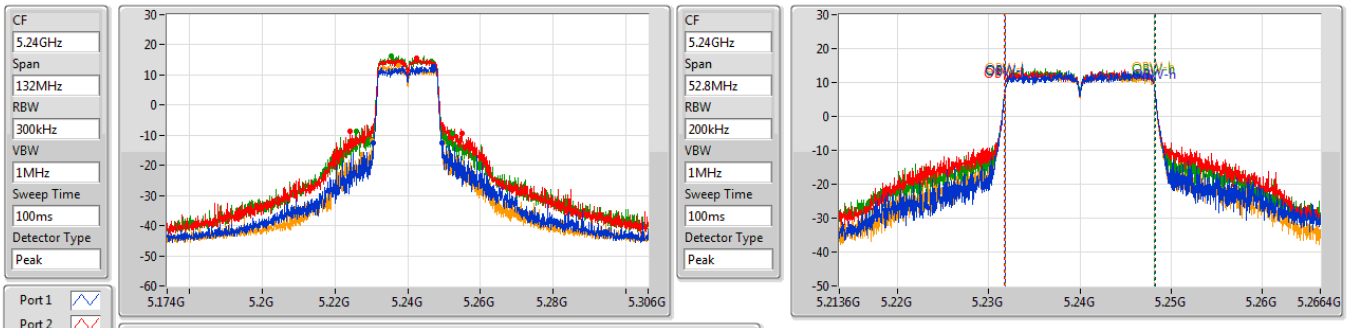
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.756M	5.183434G	5.21419G	16.676M	5.191662G	5.208338G	Inf	1
32.142M	5.183302G	5.215444G	16.597M	5.191715G	5.208312G	Inf	2
27.654M	5.185744G	5.213398G	16.545M	5.191715G	5.208259G	Inf	3
27.522M	5.186866G	5.214388G	16.518M	5.191767G	5.208285G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

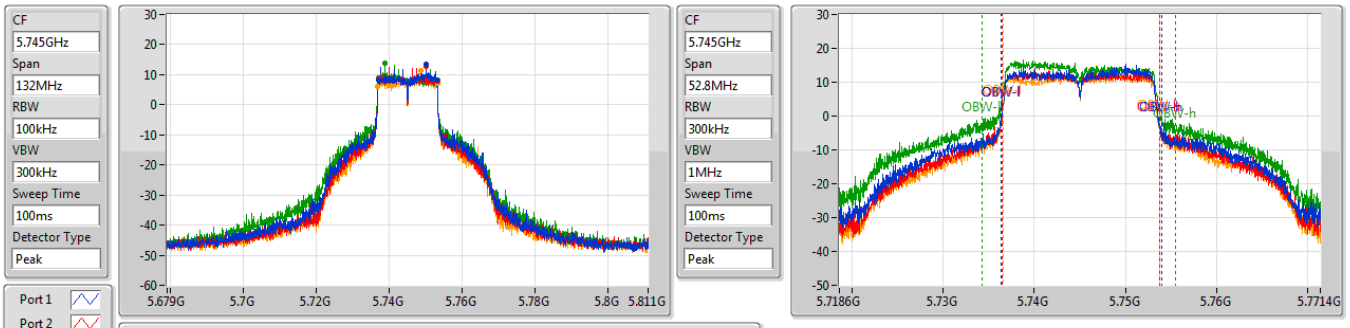
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.81M	5.230694G	5.249504G	16.465M	5.231794G	5.248259G	Inf	1
30.69M	5.224226G	5.254916G	16.545M	5.231741G	5.248285G	Inf	2
26.334M	5.225942G	5.252276G	16.465M	5.231767G	5.248233G	Inf	3
19.536M	5.230166G	5.249702G	16.413M	5.231794G	5.248206G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

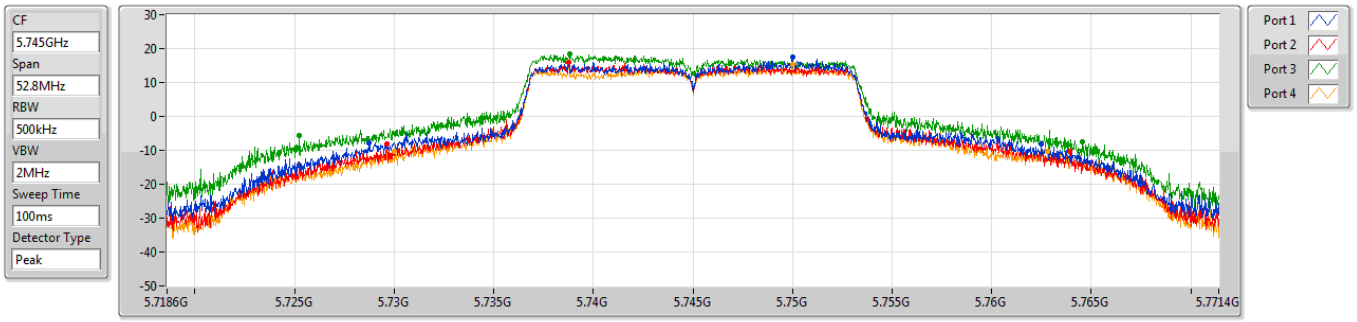
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.236M	5.736882G	5.753118G	17.574M	5.736372G	5.753945G	500k	1
16.302M	5.736882G	5.753184G	17.231M	5.736503G	5.753734G	500k	2
16.302M	5.736882G	5.753184G	21.241M	5.734234G	5.755476G	500k	3
16.368M	5.736816G	5.753184G	17.231M	5.73653G	5.75376G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

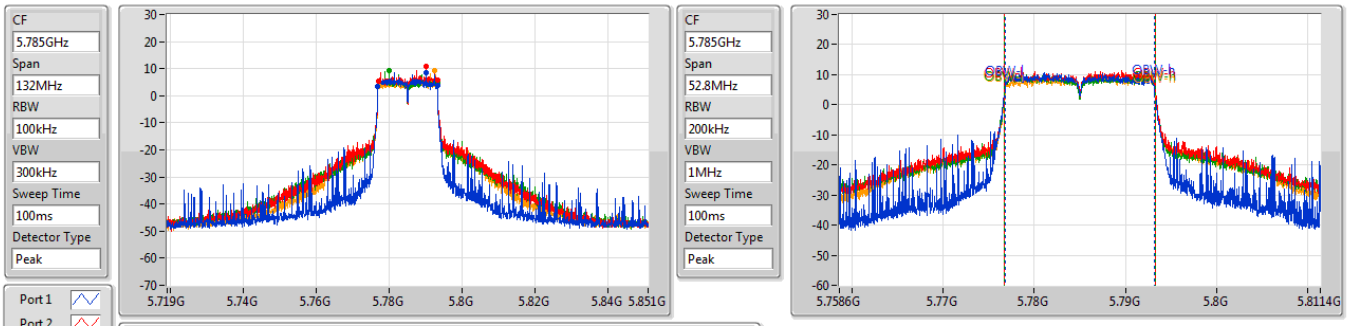
5745MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
33.766M	5.728738G	5.762503G	Inf	1
34.294M	5.729635G	5.763929G	Inf	2
39.31M	5.725253G	5.764562G	Inf	3
32.789M	5.730031G	5.76282G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

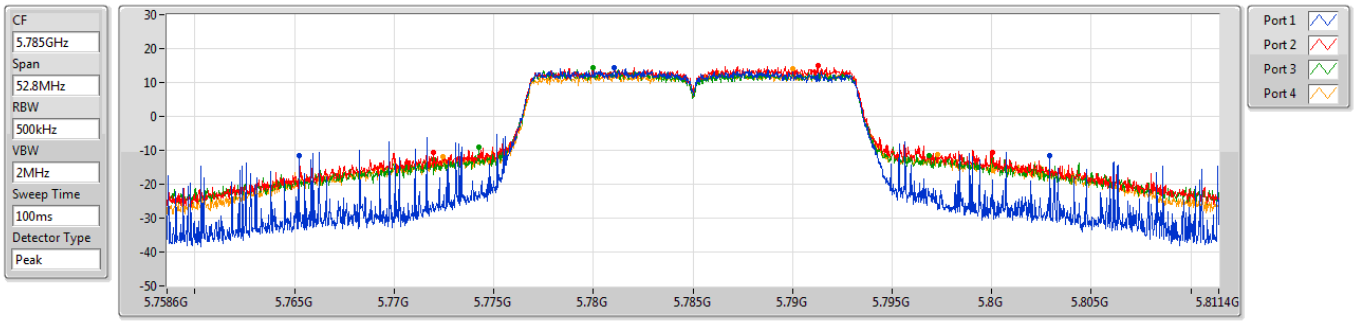
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.368M	5.776816G	5.793184G	16.439M	5.776767G	5.793206G	500k	1
16.302M	5.776882G	5.793184G	16.571M	5.776741G	5.793312G	500k	2
16.368M	5.776816G	5.793184G	16.597M	5.776715G	5.793312G	500k	3
16.302M	5.776882G	5.793184G	16.571M	5.776767G	5.793338G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

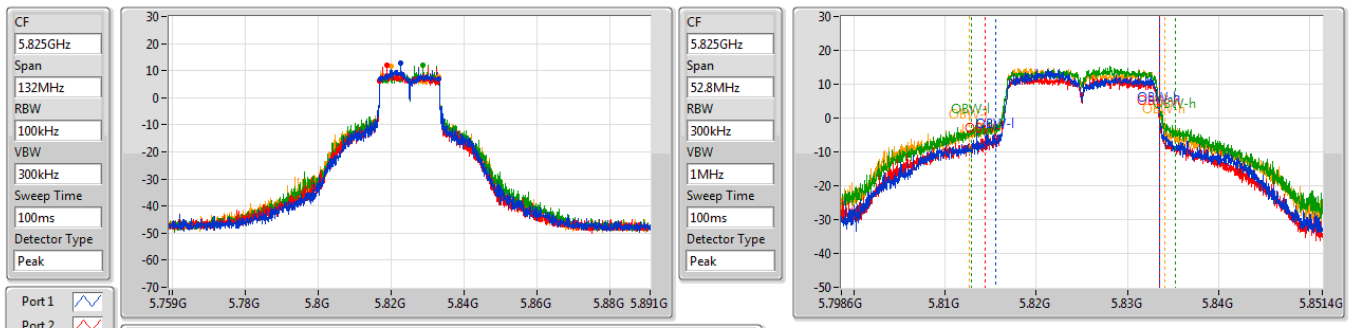
5785MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
37.699M	5.765226G	5.802926G	Inf	1
28.063M	5.771985G	5.800048G	Inf	2
22.651M	5.774229G	5.79688G	Inf	3
24.842M	5.77246G	5.797302G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

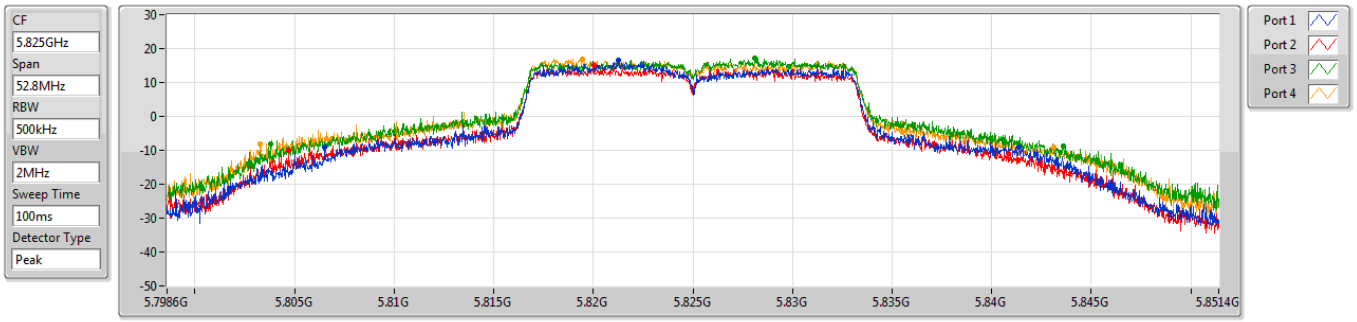
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.038M	5.816882G	5.83292G	18.049M	5.815501G	5.833549G	500k	1
15.972M	5.816816G	5.832788G	19.13M	5.814393G	5.833523G	500k	2
16.236M	5.816882G	5.833118G	22.35M	5.812888G	5.835238G	500k	3
16.302M	5.816816G	5.833118G	21.479M	5.812677G	5.834156G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

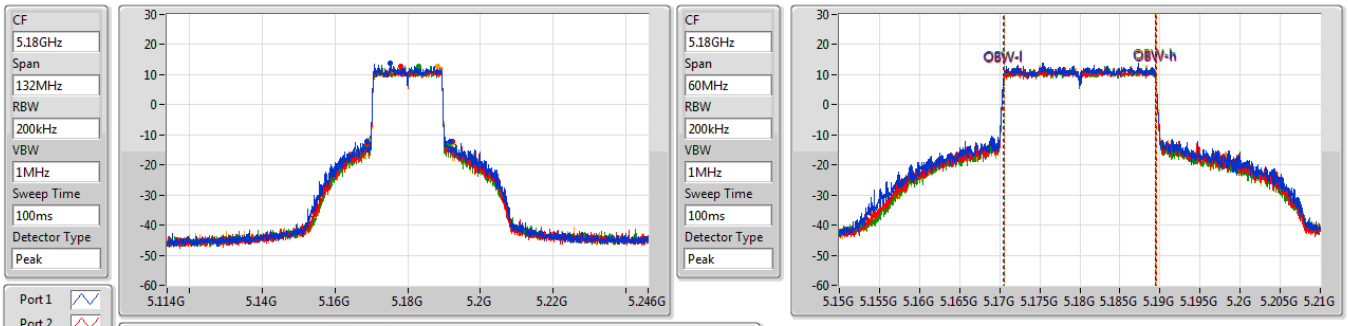
5825MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
34.874M	5.80652G	5.841394G	Inf	1
36.115M	5.804698G	5.840814G	Inf	2
39.811M	5.803774G	5.843586G	Inf	3
39.864M	5.803273G	5.843137G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

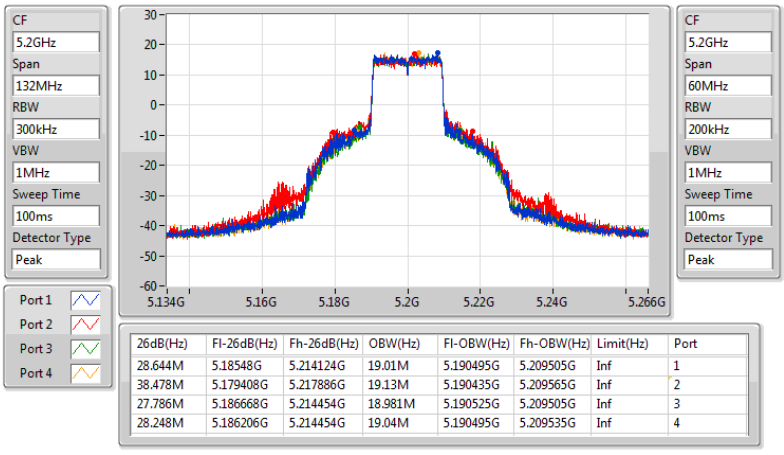
5180MHz

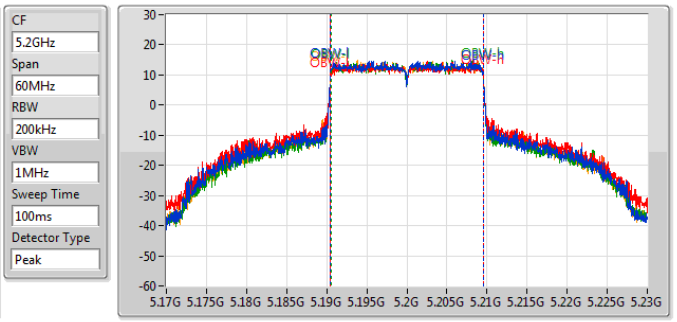


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.836M	5.16878G	5.191616G	18.981M	5.170495G	5.189475G	Inf	1
23.562M	5.16878G	5.192342G	18.981M	5.170525G	5.189505G	Inf	2
22.704M	5.16878G	5.191484G	18.921M	5.170555G	5.189475G	Inf	3
23.364M	5.16911G	5.192474G	18.951M	5.170555G	5.189505G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

5200MHz

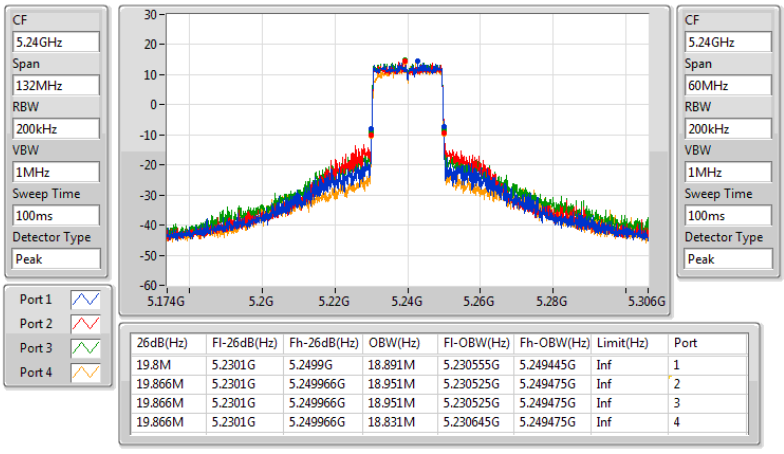


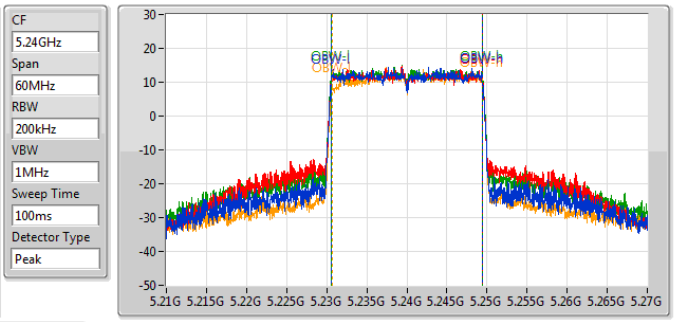


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.644M	5.18548G	5.214124G	19.01M	5.190495G	5.209505G	Inf	1
38.478M	5.179408G	5.217886G	19.13M	5.190435G	5.209565G	Inf	2
27.786M	5.186668G	5.214454G	18.981M	5.190525G	5.209505G	Inf	3
28.248M	5.186206G	5.214454G	19.04M	5.190495G	5.209535G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

5240MHz

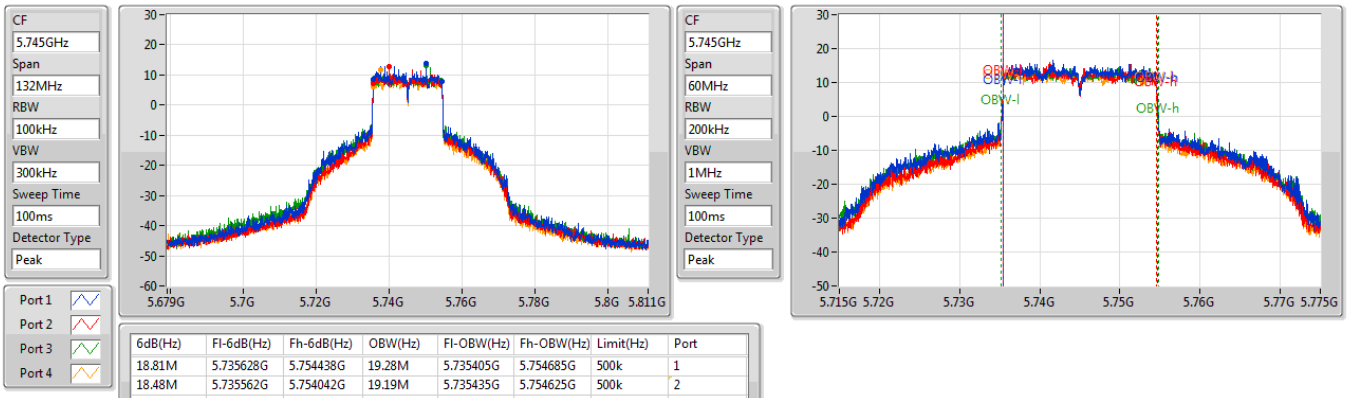




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.2301G	5.2499G	18.891M	5.230555G	5.249445G	Inf	1
19.866M	5.2301G	5.249966G	18.951M	5.230525G	5.249475G	Inf	2
19.866M	5.2301G	5.249966G	18.951M	5.230525G	5.249475G	Inf	3
19.866M	5.2301G	5.249966G	18.831M	5.230645G	5.249475G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

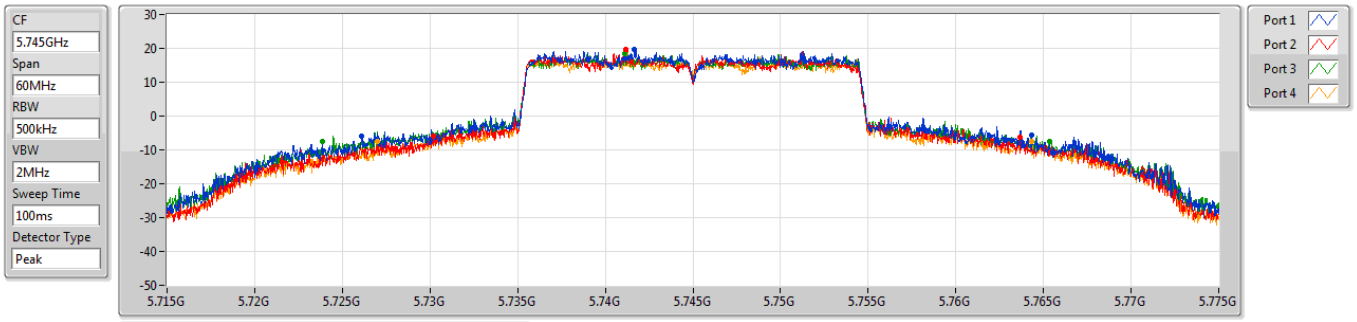
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.81M	5.735628G	5.754438G	19.28M	5.735405G	5.754685G	500k	1
18.48M	5.735562G	5.754042G	19.19M	5.735435G	5.754625G	500k	2
18.546M	5.735562G	5.754108G	19.64M	5.735195G	5.754835G	500k	3
18.81M	5.735562G	5.754372G	19.19M	5.735435G	5.754625G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

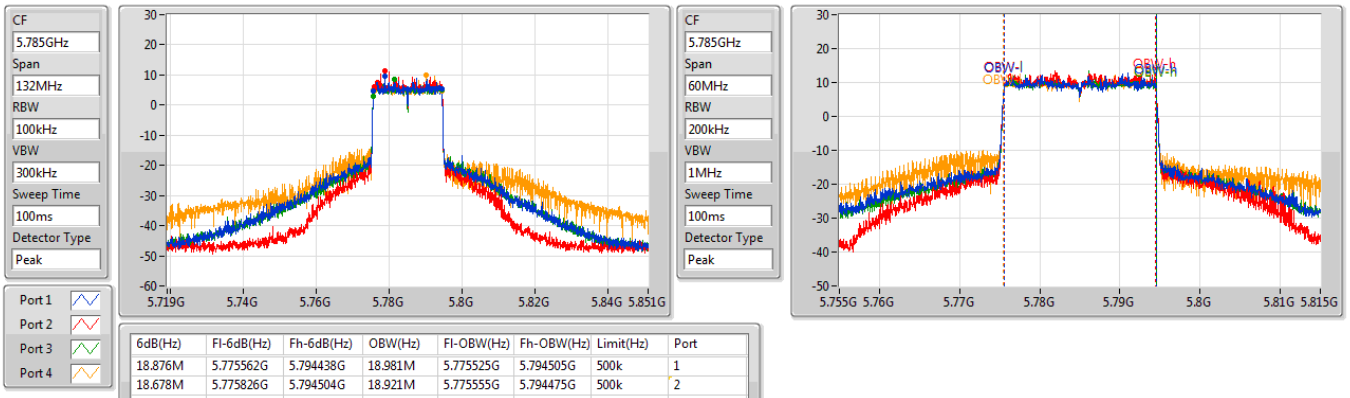
5745MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
38.25M	5.72607G	5.76432G	Inf	1
33.48M	5.73021G	5.76369G	Inf	2
41.49M	5.72388G	5.76537G	Inf	3
37.32M	5.727G	5.76432G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

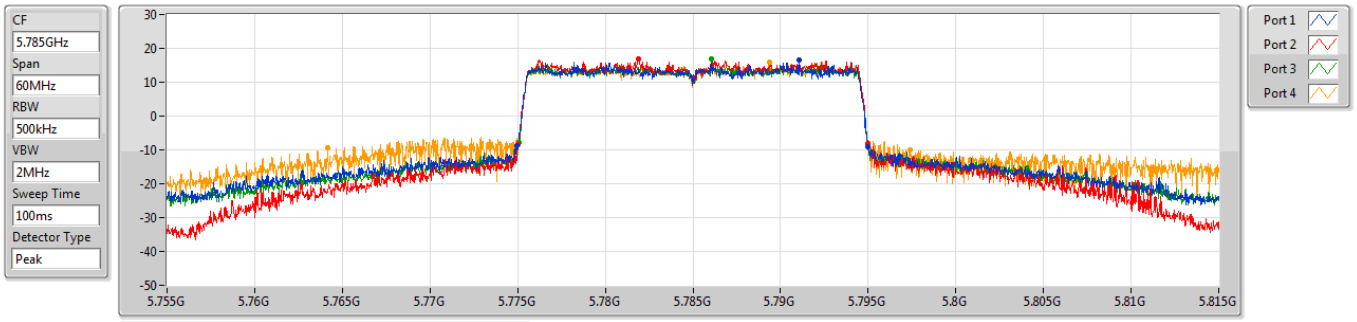
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.876M	5.775562G	5.794438G	18.981M	5.775525G	5.794505G	500k	1
18.678M	5.775826G	5.794504G	18.921M	5.775555G	5.794475G	500k	2
19.008M	5.775496G	5.794504G	18.951M	5.775555G	5.794505G	500k	3
18.81M	5.775628G	5.794438G	19.1M	5.775435G	5.794535G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

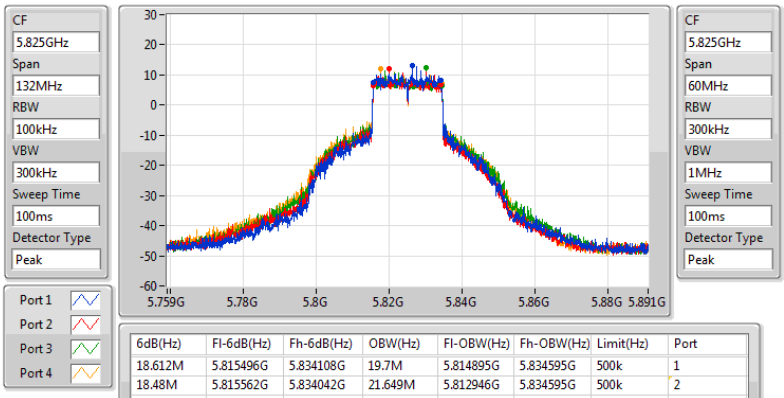
5785MHz

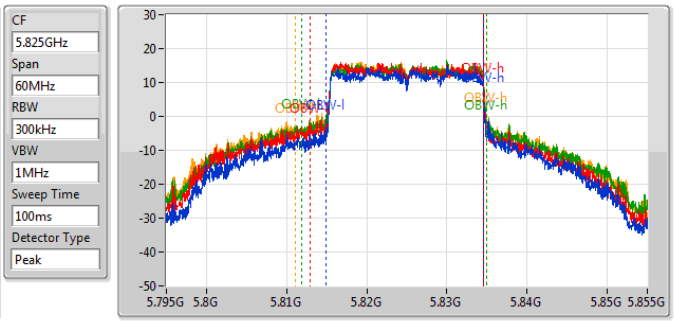


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
20.01M	5.77495G	5.79496G	Inf	1
19.98M	5.77501G	5.79499G	Inf	2
19.92M	5.77507G	5.79499G	Inf	3
33.27M	5.76415G	5.79742G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

5825MHz

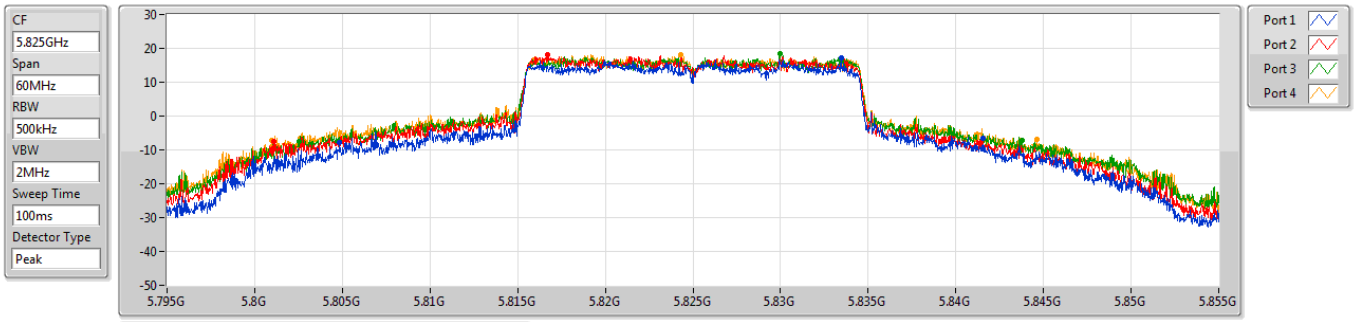




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.612M	5.815496G	5.834108G	19.7M	5.814895G	5.834595G	500k	1
18.48M	5.815562G	5.834042G	21.649M	5.812946G	5.834595G	500k	2
18.81M	5.815562G	5.834372G	23.028M	5.811897G	5.834925G	500k	3
18.81M	5.815628G	5.834438G	23.748M	5.811147G	5.834895G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **EBW**

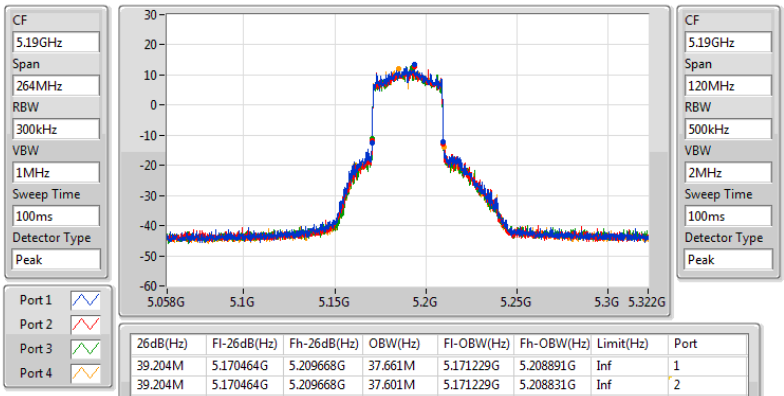
5825MHz

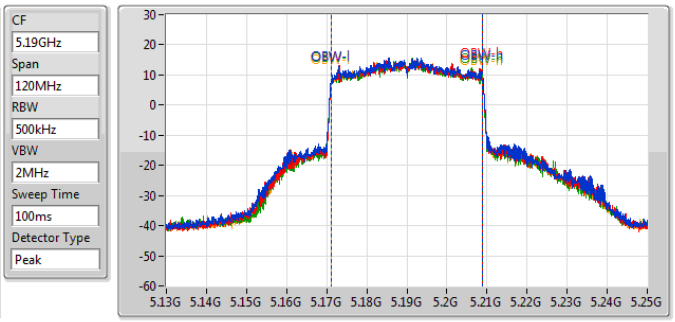


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
36.69M	5.80484G	5.84153G	Inf	1
40.29M	5.80112G	5.84141G	Inf	2
41.25M	5.80253G	5.84378G	Inf	3
43.65M	5.80097G	5.84462G	Inf	4

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

5190MHz

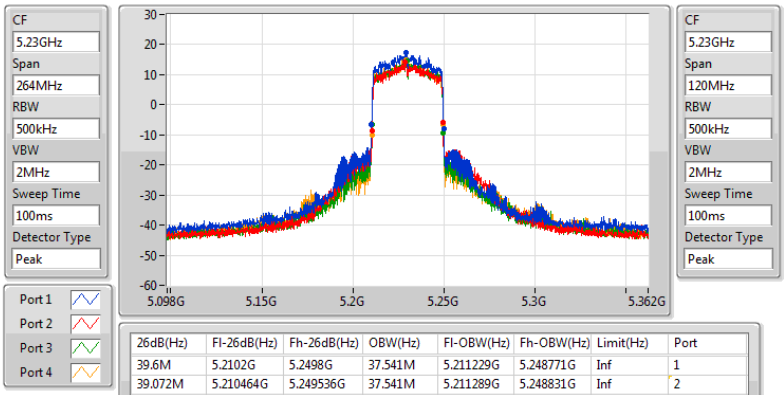


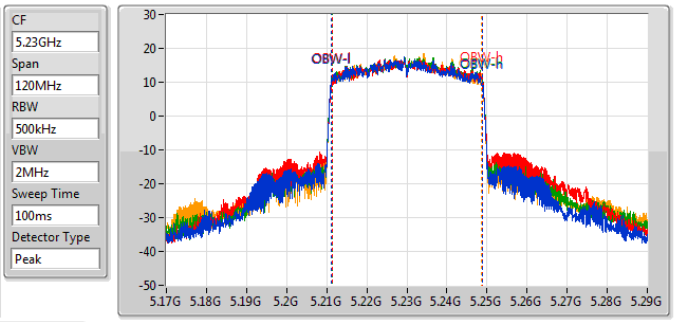


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.204M	5.170464G	5.209668G	37.661M	5.171229G	5.208891G	Inf	1
39.204M	5.170464G	5.209668G	37.601M	5.171229G	5.208831G	Inf	2
39.072M	5.170464G	5.209536G	37.601M	5.171229G	5.208831G	Inf	3
39.336M	5.170464G	5.2098G	37.601M	5.171229G	5.208831G	Inf	4

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

5230MHz

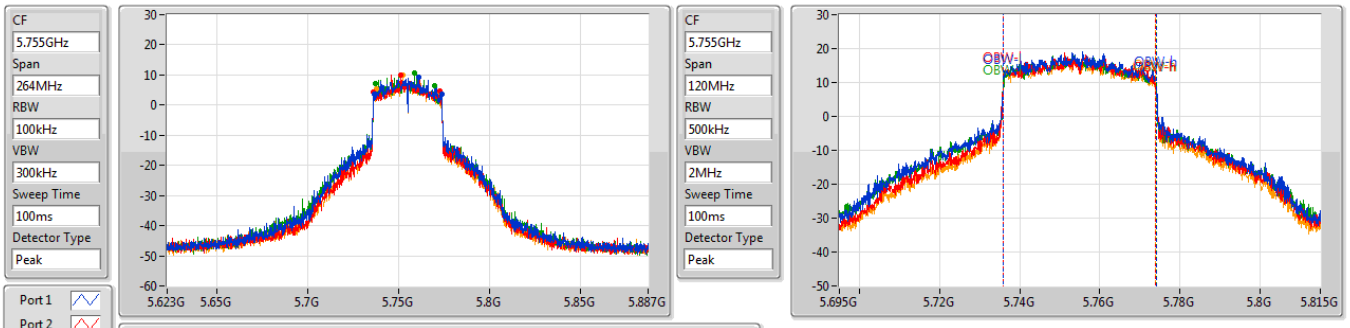




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2102G	5.2498G	37.541M	5.211229G	5.248771G	Inf	1
39.072M	5.210464G	5.249536G	37.541M	5.211289G	5.248831G	Inf	2
39.204M	5.210464G	5.249668G	37.541M	5.211289G	5.248831G	Inf	3
39.072M	5.210464G	5.249536G	37.361M	5.211289G	5.248651G	Inf	4

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

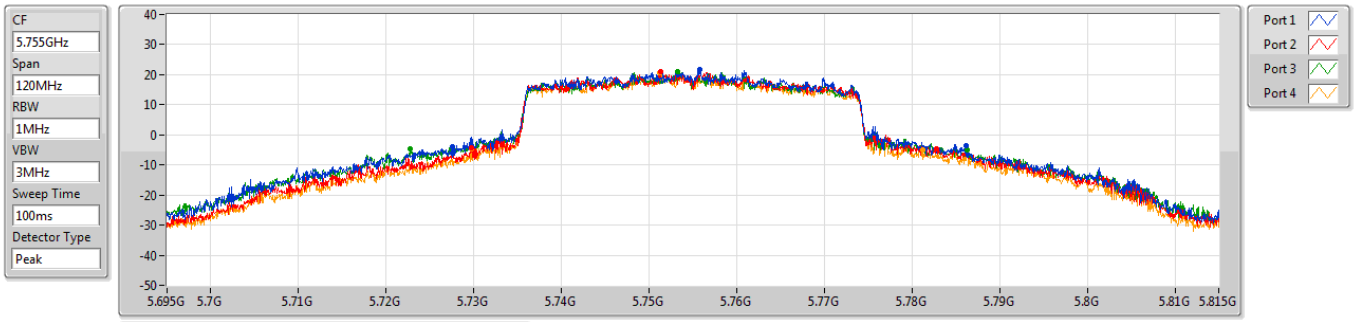
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.092M	5.73652G	5.773612G	38.081M	5.73593G	5.77401G	500k	1
36.432M	5.736124G	5.772556G	37.961M	5.73599G	5.773951G	500k	2
32.604M	5.737444G	5.770048G	38.201M	5.73587G	5.77407G	500k	3
34.584M	5.73784G	5.772424G	37.901M	5.73599G	5.773891G	500k	4

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

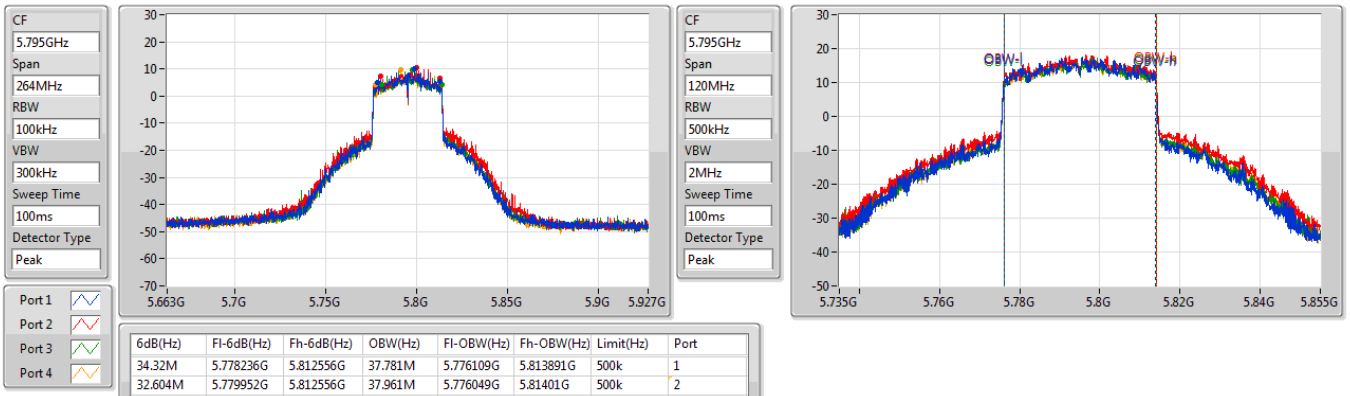
5755MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
58.56M	5.72758G	5.78614G	Inf	1
53.1M	5.72974G	5.78284G	Inf	2
63.6M	5.72272G	5.78632G	Inf	3
51.6M	5.72968G	5.78128G	Inf	4

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

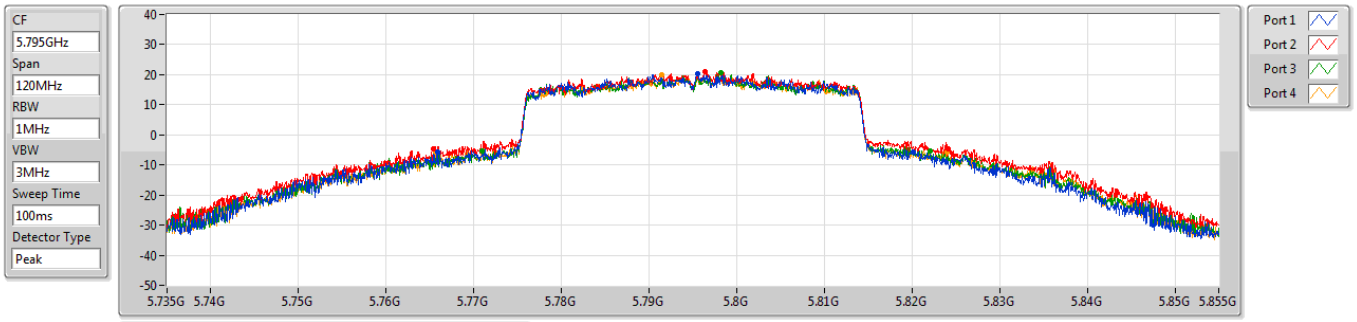
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.32M	5.778236G	5.812556G	37.781M	5.776109G	5.813891G	500k	1
32.604M	5.779952G	5.812556G	37.961M	5.776049G	5.81401G	500k	2
32.868M	5.781008G	5.813876G	37.841M	5.776169G	5.81401G	500k	3
36.3M	5.777444G	5.813744G	37.841M	5.776169G	5.81401G	500k	4

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **EBW**

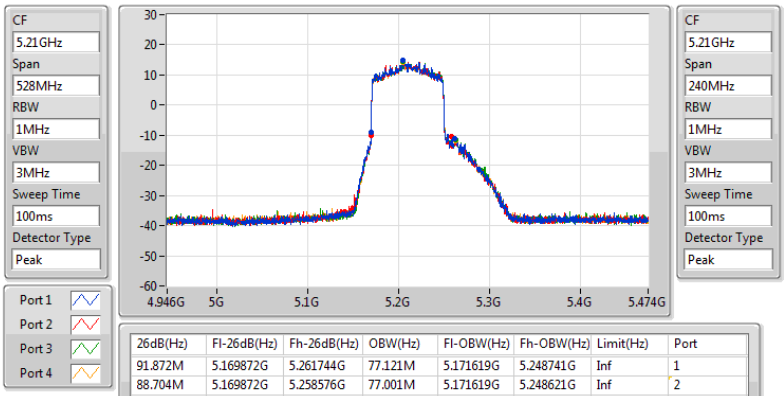
5795MHz

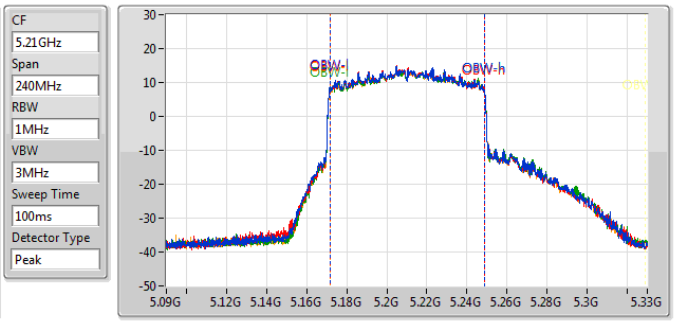


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
54.36M	5.76584G	5.8202G	Inf	1
58.74M	5.76536G	5.8241G	Inf	2
51.18M	5.77094G	5.82212G	Inf	3
58.38M	5.76566G	5.82404G	Inf	4

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX **EBW**

5210MHz

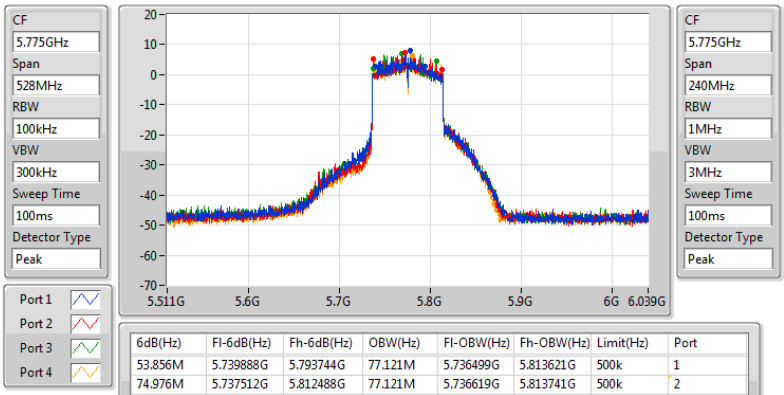


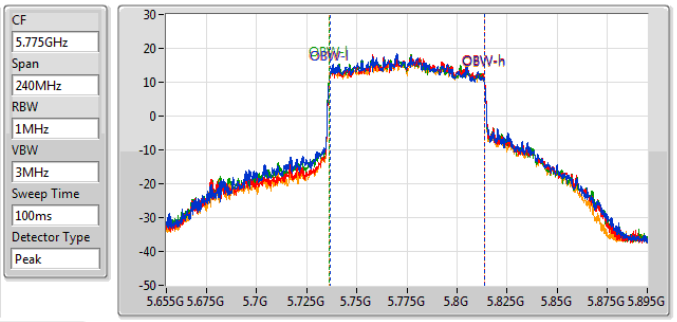


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
91.872M	5.169872G	5.261744G	77.121M	5.171619G	5.248741G	Inf	1
88.704M	5.169872G	5.258576G	77.001M	5.171619G	5.248621G	Inf	2
92.664M	5.169872G	5.262536G	77.121M	5.171619G	5.248741G	Inf	3
92.4M	5.169872G	5.262272G	77.121M	5.171619G	5.248741G	Inf	4

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX **EBW**

5775MHz

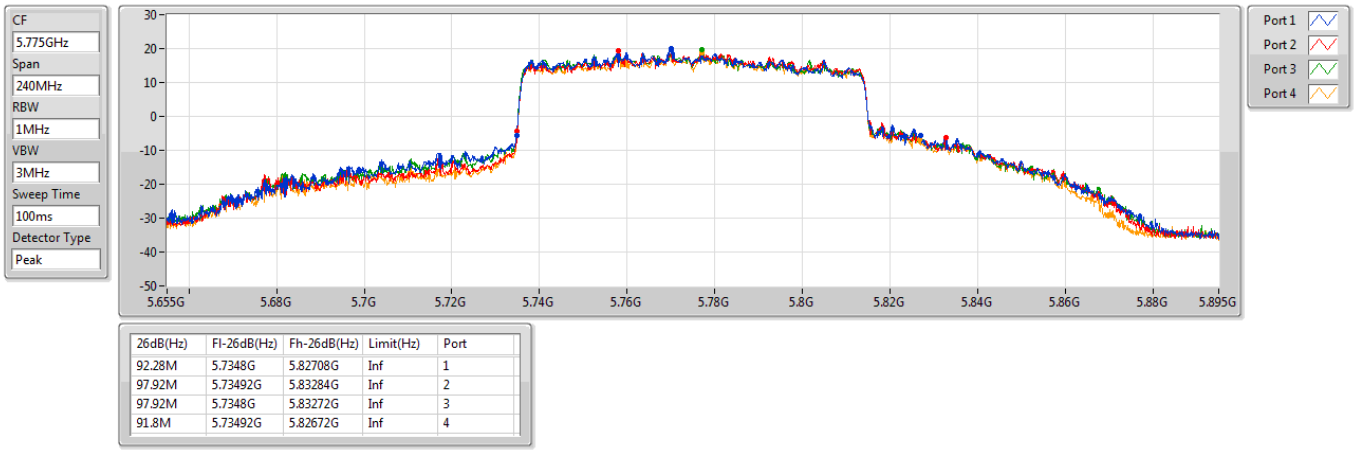




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.856M	5.739888G	5.793744G	77.121M	5.736499G	5.813621G	500k	1
74.976M	5.737512G	5.812488G	77.121M	5.736619G	5.813741G	500k	2
69.432M	5.736984G	5.806416G	77.241M	5.736379G	5.813621G	500k	3
74.184M	5.738304G	5.812488G	77.361M	5.736379G	5.813741G	500k	4

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX **EBW**

5775MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
92.28M	5.7348G	5.82708G	Inf	1
97.92M	5.73492G	5.83284G	Inf	2
97.92M	5.7348G	5.83272G	Inf	3
91.8M	5.73492G	5.82672G	Inf	4

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.70	0.93325	32.28	1.69044
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	29.71	0.93541	32.29	1.69434
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	28.53	0.71285	31.11	1.29122
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	26.13	0.41020	28.71	0.74302
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.65	0.92257	32.46	1.76198
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	29.89	0.97499	32.70	1.86209
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	29.74	0.94189	32.55	1.79887
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	28.94	0.78343	31.75	1.49624

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	22.45	21.72	22.28	21.73	28.08	30.00	30.66	36.00
5200MHz	Pass	2.58	23.51	23.82	23.99	23.38	29.70	30.00	32.28	36.00
5240MHz	Pass	2.58	23.19	23.65	24.01	23.35	29.58	30.00	32.16	36.00
5745MHz	Pass	2.81	23.17	24.12	23.77	23.39	29.65	30.00	32.46	36.00
5785MHz	Pass	2.81	20.62	21.86	21.55	20.66	27.23	30.00	30.04	36.00
5825MHz	Pass	2.81	23.05	22.75	23.32	23.15	29.09	30.00	31.90	36.00
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	22.51	21.65	22.54	21.76	28.16	30.00	30.74	36.00
5200MHz	Pass	2.58	23.82	23.53	23.84	23.05	29.59	30.00	32.17	36.00
5240MHz	Pass	2.58	23.51	23.83	23.96	23.44	29.71	30.00	32.29	36.00
5745MHz	Pass	2.81	23.55	24.46	23.85	23.56	29.89	30.00	32.70	36.00
5785MHz	Pass	2.81	20.76	21.72	21.62	20.52	27.21	30.00	30.02	36.00
5825MHz	Pass	2.81	23.41	22.95	23.56	23.36	29.35	30.00	32.16	36.00
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	21.26	20.68	21.45	21.22	27.18	30.00	29.76	36.00
5230MHz	Pass	2.58	22.62	22.65	22.84	21.85	28.53	30.00	31.11	36.00
5755MHz	Pass	2.81	23.71	24.02	23.63	23.52	29.74	30.00	32.55	36.00
5795MHz	Pass	2.81	23.06	24.12	22.82	22.69	29.23	30.00	32.04	36.00
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	20.13	19.92	20.33	20.05	26.13	30.00	28.71	36.00
5775MHz	Pass	2.81	22.89	23.41	22.82	22.52	28.94	30.00	31.75	36.00

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

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX-OFDMA	29.36	0.86298	34.59	2.87740
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	28.30	0.67608	33.53	2.25424
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	26.06	0.40365	31.29	1.34586
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX-OFDMA	29.86	0.96828	33.25	2.11349
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	29.51	0.89331	32.90	1.94984
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	28.70	0.74131	32.09	1.61808

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.23	22.39	22.08	22.29	21.46	28.09	30.00	33.32	36.00
5200MHz	Pass	5.23	23.39	23.23	23.4	23.34	29.36	30.00	34.59	36.00
5240MHz	Pass	5.23	23.51	23.15	23.28	23.29	29.33	30.00	34.56	36.00
5745MHz	Pass	3.39	23.9	23.34	24.58	23.42	29.86	30.00	33.25	36.00
5785MHz	Pass	3.39	21.53	21.04	21.14	20.63	27.12	30.00	30.51	36.00
5825MHz	Pass	3.39	22.39	22.52	23.45	23.7	29.07	30.00	32.46	36.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.23	20.84	21.11	21.28	21.21	27.13	30.00	32.36	36.00
5230MHz	Pass	5.23	22.01	22.29	22.45	22.37	28.30	30.00	33.53	36.00
5755MHz	Pass	3.39	23.87	23.63	23.74	22.61	29.51	30.00	32.90	36.00
5795MHz	Pass	3.39	23.38	23.55	22.68	22.81	29.14	30.00	32.53	36.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.23	20.03	19.91	19.94	20.28	26.06	30.00	31.29	36.00
5775MHz	Pass	3.39	22.26	23.41	22.68	22.25	28.70	30.00	32.09	36.00

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

DG Gain is measured. Please refer to antenna test report.

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	16.76	21.99
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	15.88	21.11
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	14.49	19.72
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	8.74	13.97
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.53	18.92
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	15.49	18.88
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	13.64	17.03
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	10.11	13.50

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

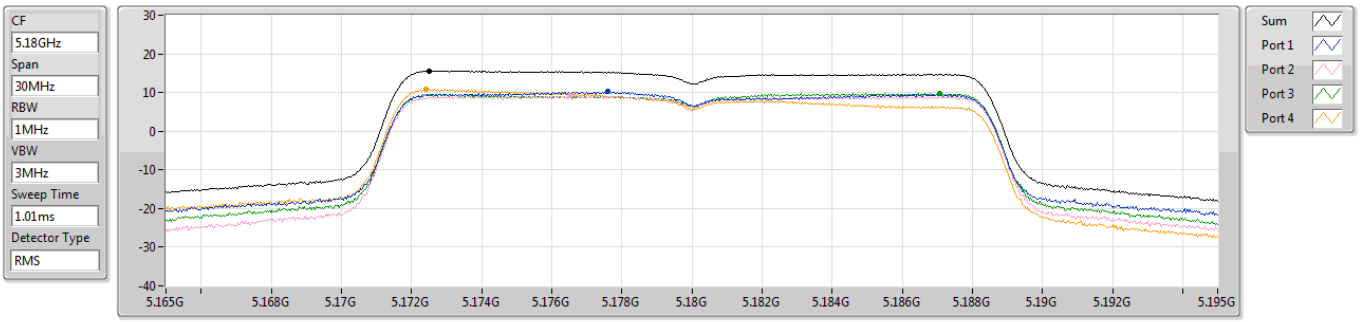
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX										
5180MHz	Pass	5.23	10.18	9.18	9.72	10.89	15.63	17.00	20.86	23.00
5200MHz	Pass	5.23	11.32	10.84	11.15	10.95	16.76	17.00	21.99	23.00
5240MHz	Pass	5.23	10.59	10.86	11.36	11.00	16.63	17.00	21.86	23.00
5745MHz	Pass	3.39	10.77	9.52	10.53	9.11	15.53	30.00	18.92	36.00
5785MHz	Pass	3.39	6.54	7.38	6.30	6.26	12.35	30.00	15.74	36.00
5825MHz	Pass	3.39	10.33	8.79	8.97	9.19	14.91	30.00	18.30	36.00
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA										
5180MHz	Pass	5.23	9.76	9.06	9.17	9.28	14.93	17.00	20.16	23.00
5200MHz	Pass	5.23	10.71	9.90	10.29	9.61	15.73	17.00	20.96	23.00
5240MHz	Pass	5.23	10.44	10.21	10.80	9.64	15.88	17.00	21.11	23.00
5745MHz	Pass	3.39	10.59	9.50	9.54	9.15	15.49	30.00	18.88	36.00
5785MHz	Pass	3.39	6.82	7.94	7.28	6.84	12.61	30.00	16.00	36.00
5825MHz	Pass	3.39	9.57	8.93	8.65	9.22	14.47	30.00	17.86	36.00
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA										
5190MHz	Pass	5.23	7.03	6.34	6.34	6.71	12.36	17.00	17.59	23.00
5230MHz	Pass	5.23	8.87	8.66	8.75	8.98	14.49	17.00	19.72	23.00
5755MHz	Pass	3.39	8.44	8.36	8.04	7.49	13.49	30.00	16.88	36.00
5795MHz	Pass	3.39	8.09	8.86	7.72	7.91	13.64	30.00	17.03	36.00
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA										
5210MHz	Pass	5.23	2.73	2.90	2.81	3.08	8.74	17.00	13.97	23.00
5775MHz	Pass	3.39	4.79	4.70	4.43	3.64	10.11	30.00	13.50	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;
DG Gain is measured. Please refer to antenna test report.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

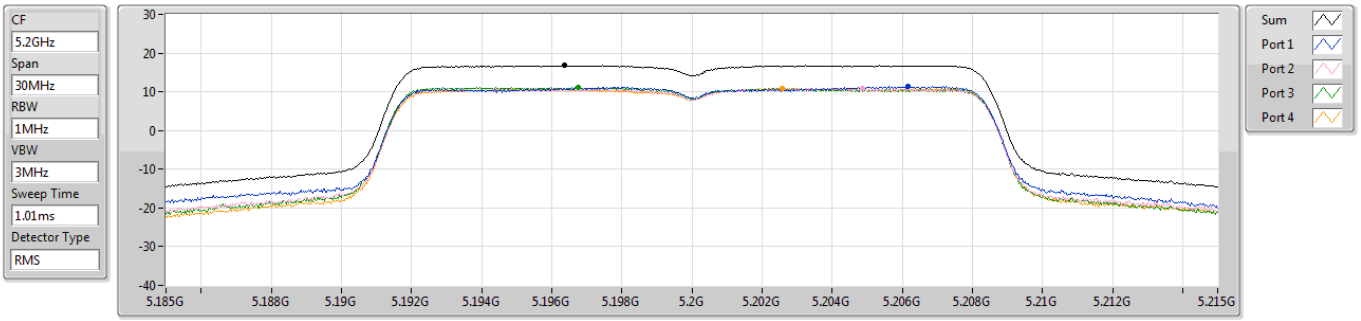
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.63	15.63	10.18	9.18	9.72	10.89

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

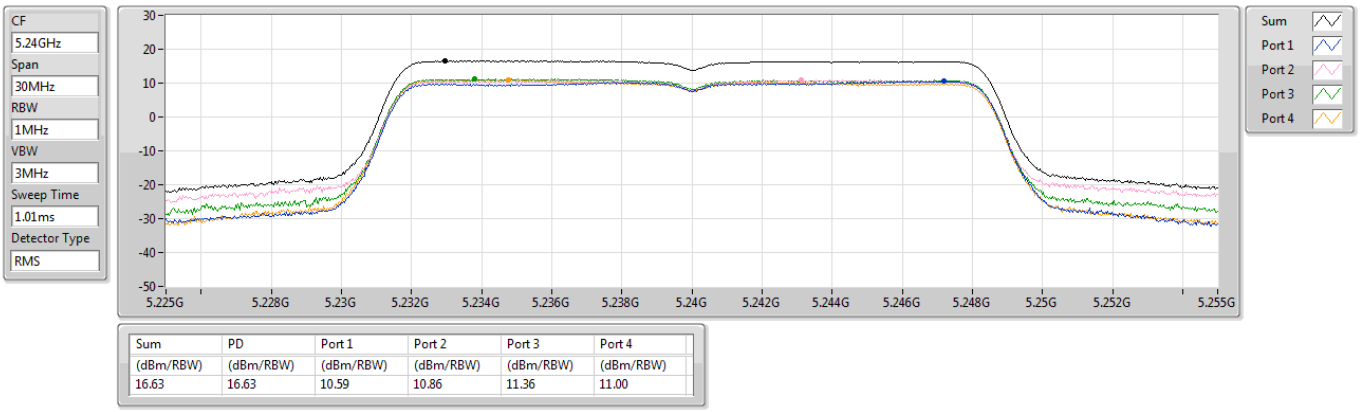
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.76	16.76	11.32	10.84	11.15	10.95

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

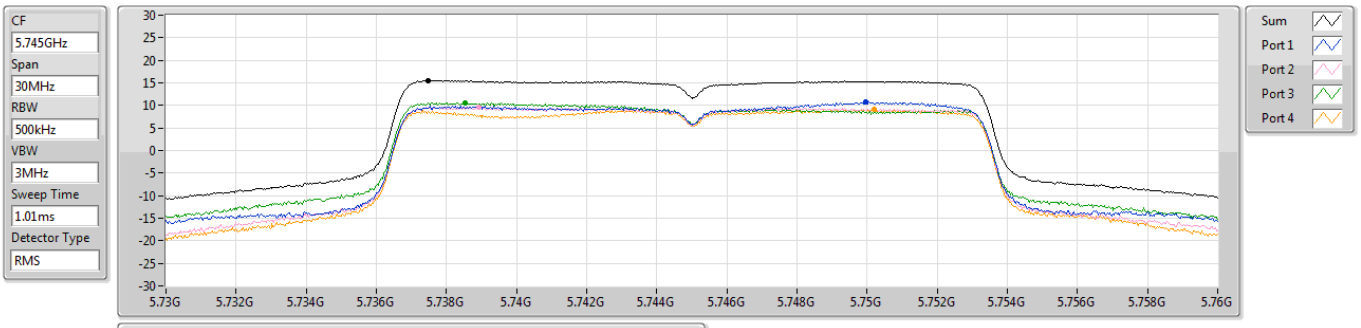
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.63	16.63	10.59	10.86	11.36	11.00

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

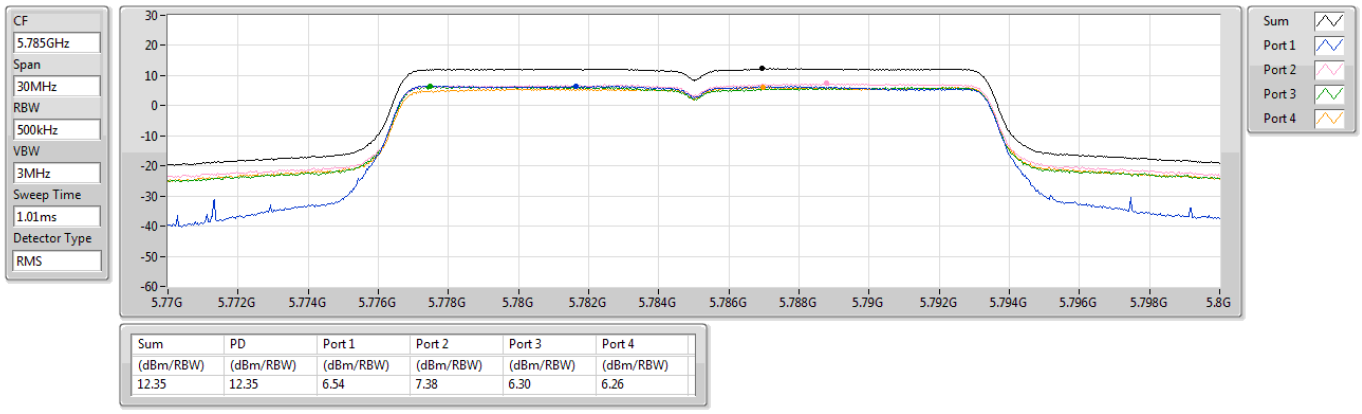
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.53	15.53	10.77	9.52	10.53	9.11

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

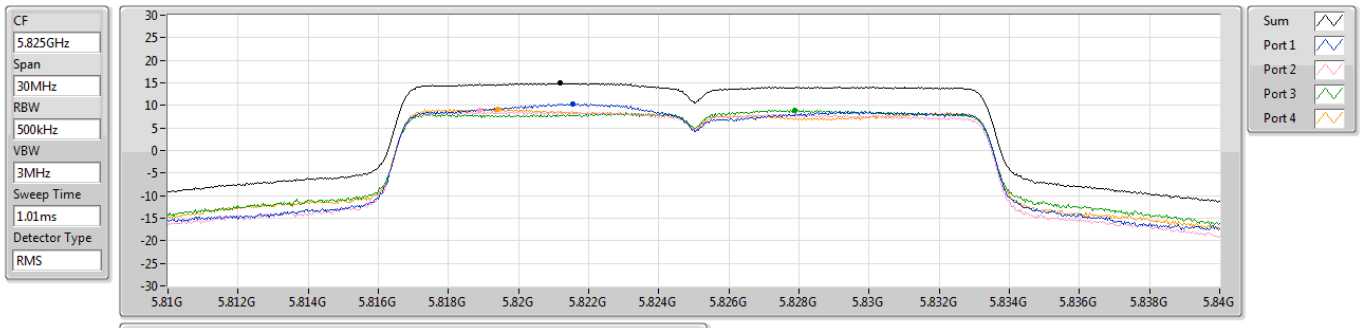
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.35	12.35	6.54	7.38	6.30	6.26

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

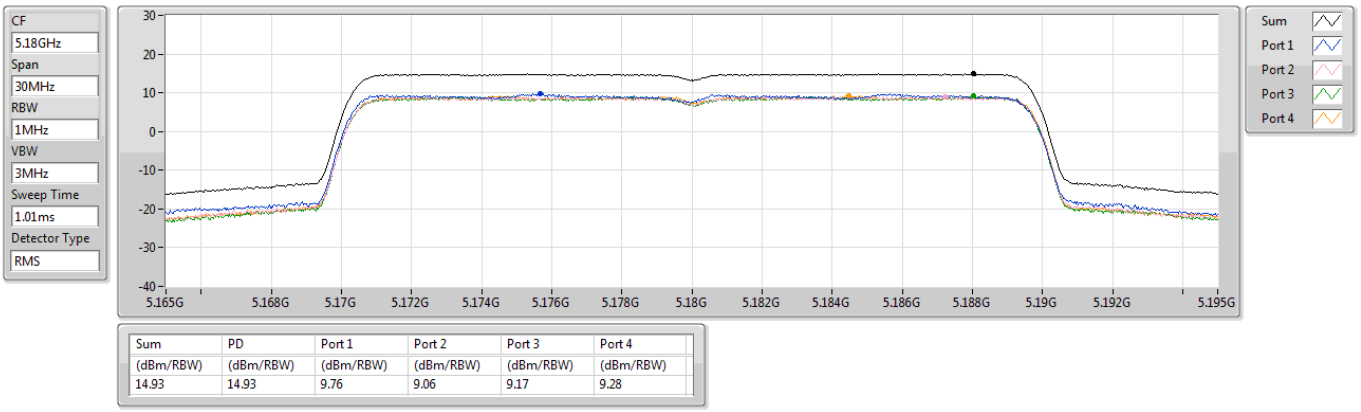
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.91	14.91	10.33	8.79	8.97	9.19

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

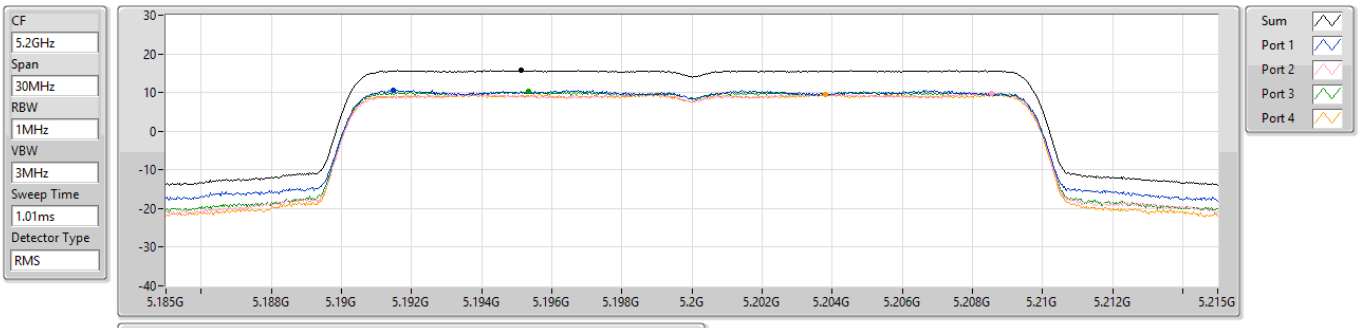
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.93	14.93	9.76	9.06	9.17	9.28

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

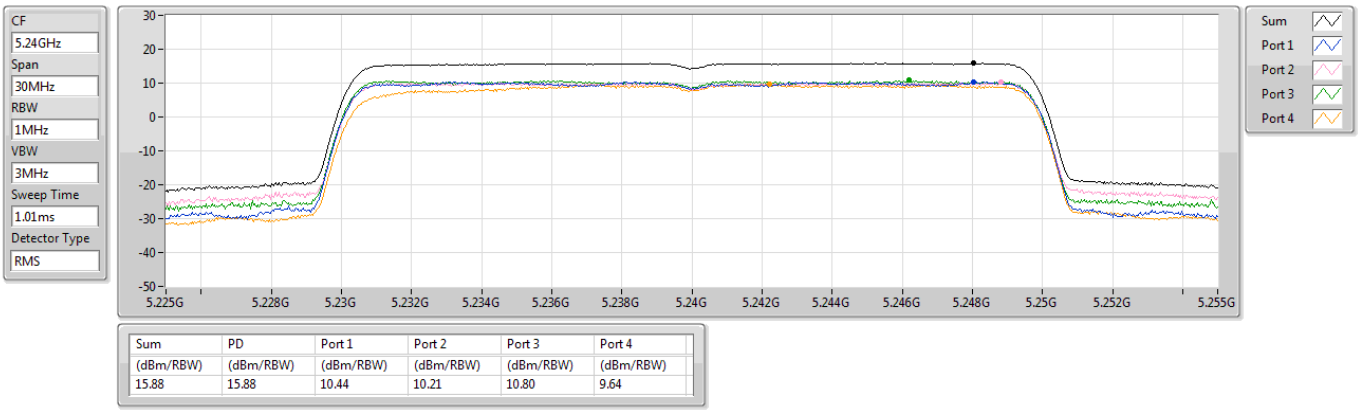
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.73	15.73	10.71	9.90	10.29	9.61

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

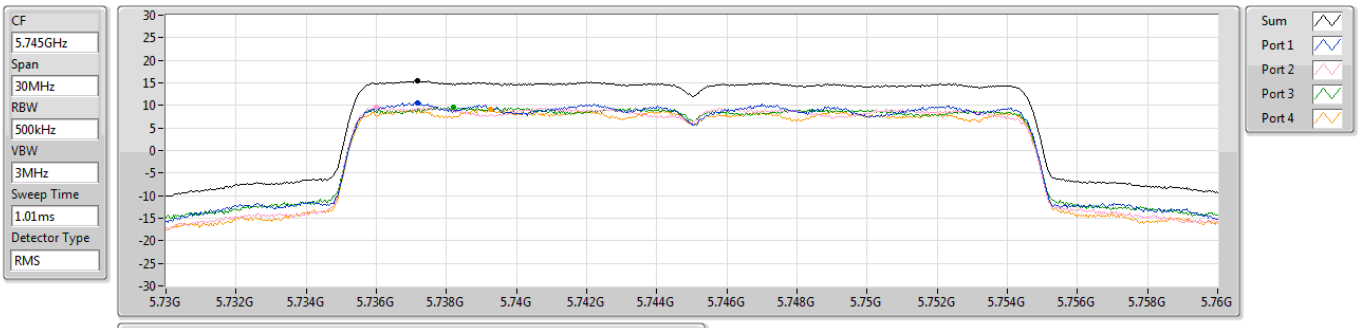
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.88	15.88	10.44	10.21	10.80	9.64

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

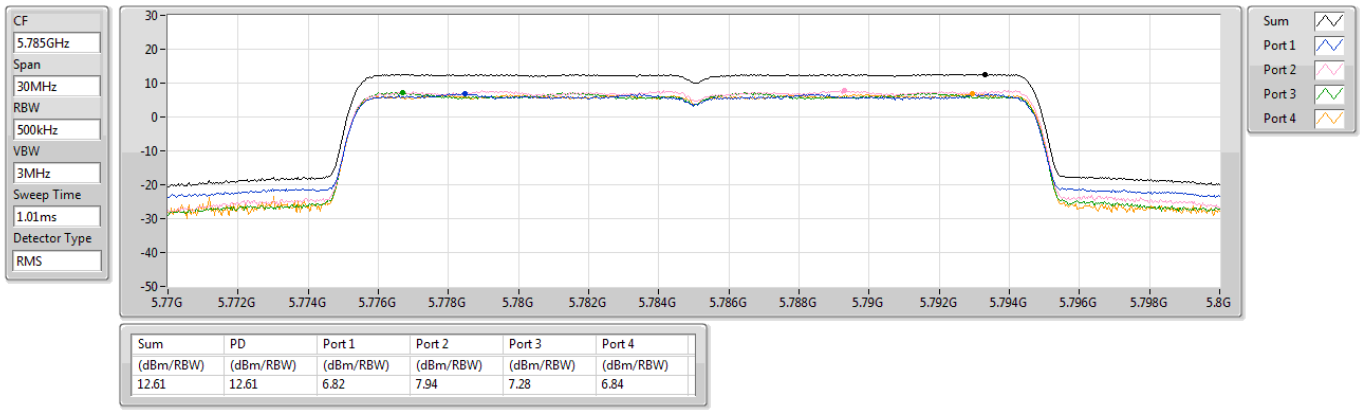
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.49	15.49	10.59	9.50	9.54	9.15

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

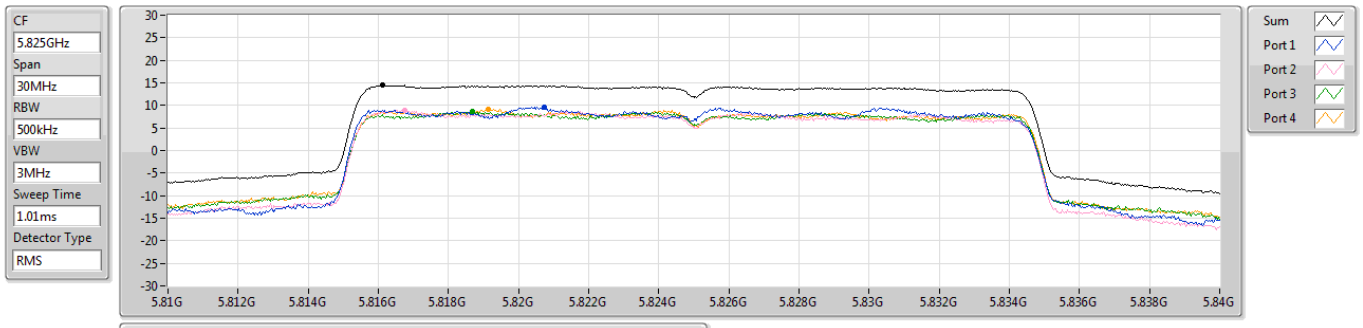
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	6.82	7.94	7.28	6.84

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX **PSD**

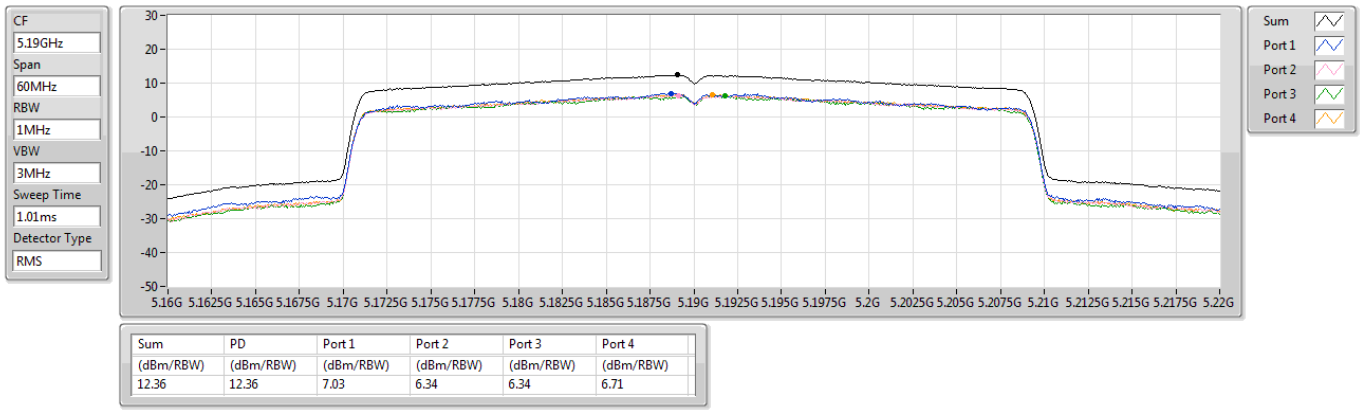
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.47	14.47	9.57	8.93	8.65	9.22

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX **PSD**

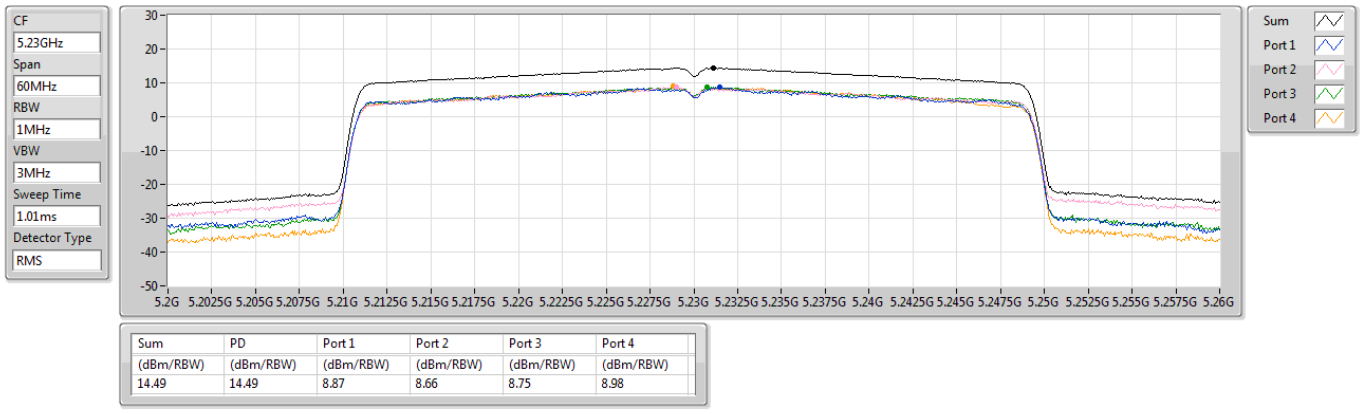
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.36	12.36	7.03	6.34	6.34	6.71

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX **PSD**

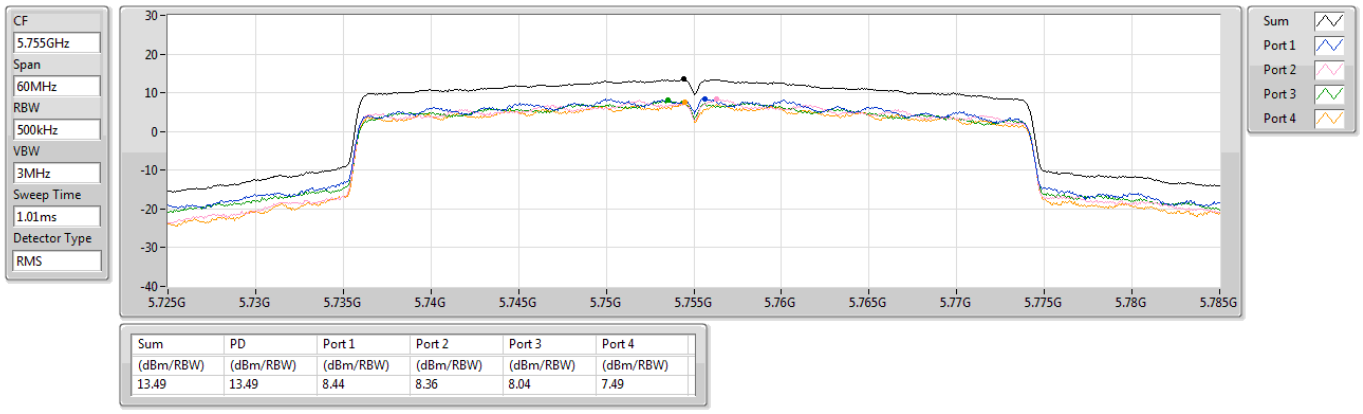
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.49	14.49	8.87	8.66	8.75	8.98

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **PSD**

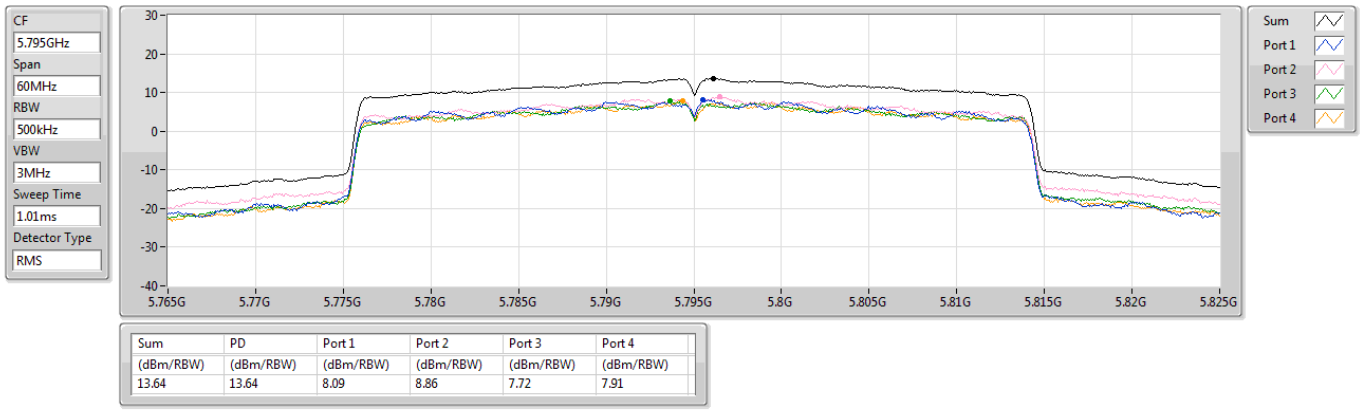
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.49	13.49	8.44	8.36	8.04	7.49

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX **PSD**

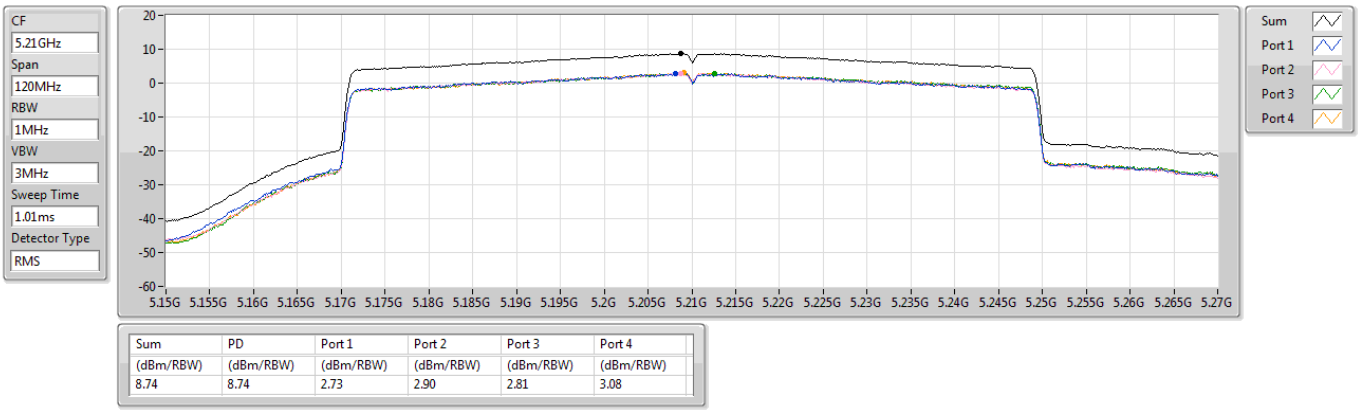
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.64	13.64	8.09	8.86	7.72	7.91

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX **PSD**

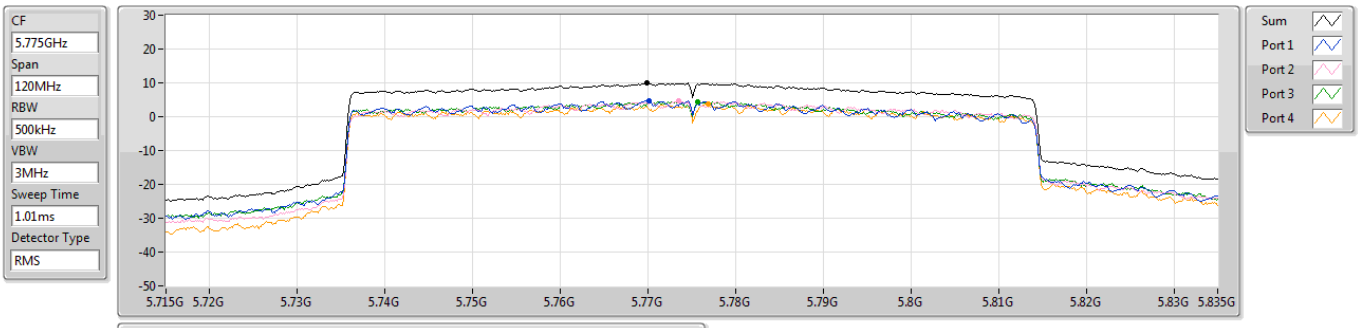
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.74	8.74	2.73	2.90	2.81	3.08

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX **PSD**

5775MHz

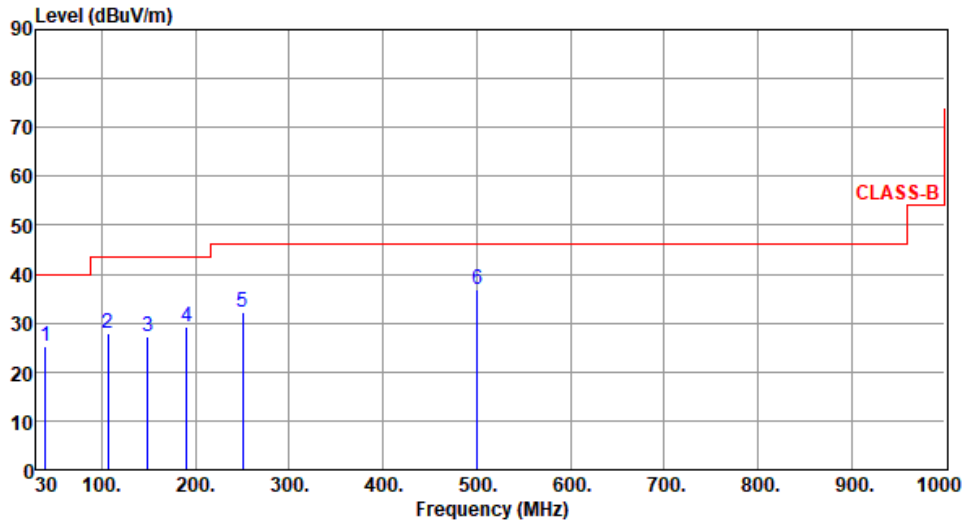


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.11	10.11	4.79	4.70	4.43	3.64

Unwanted Emissions (Below 1GHz)

Modulation	be EHT20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):64

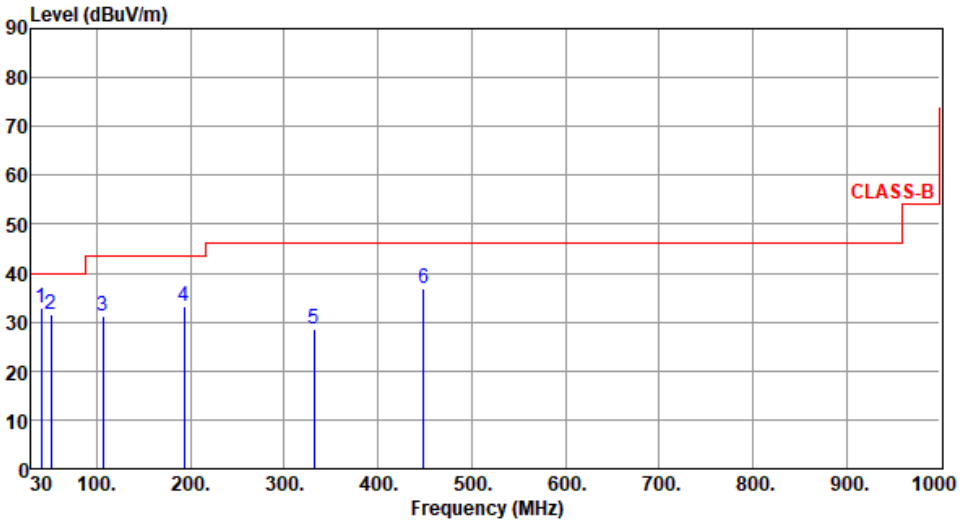


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	39.45	25.12	40.00	-14.88	33.97	-8.85	Peak	---	---
2	106.83	28.06	43.50	-15.44	40.25	-12.19	Peak	---	---
3	149.26	27.25	43.50	-16.25	36.14	-8.89	Peak	---	---
4	190.49	29.14	43.50	-14.36	40.50	-11.36	Peak	---	---
5	250.37	32.21	46.00	-13.79	42.21	-10.00	Peak	---	---
6	500.46	36.85	46.00	-9.15	40.04	-3.19	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):64

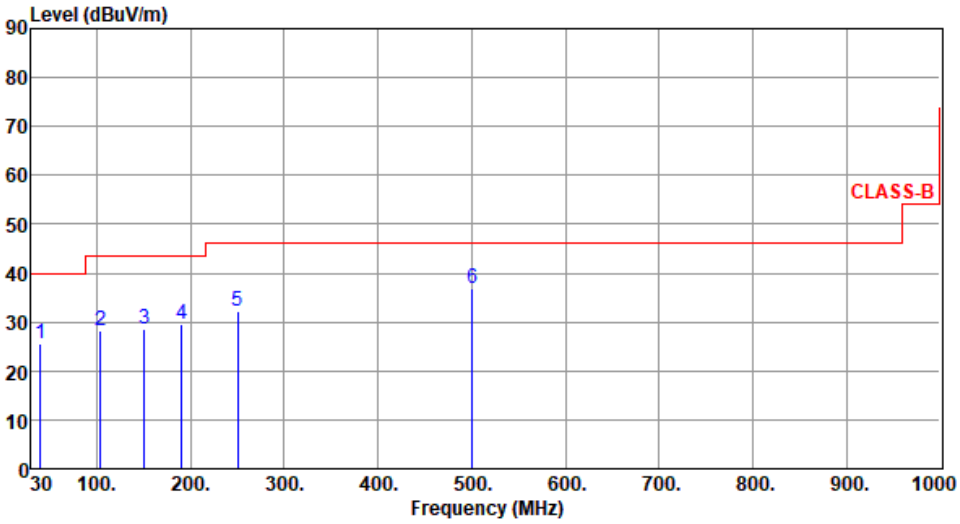


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	40.56	32.84	40.00	-7.16	41.59	-8.75	Peak	---	---
2	51.24	31.56	40.00	-8.44	39.35	-7.79	Peak	---	---
3	106.88	31.27	43.50	-12.23	43.45	-12.18	Peak	---	---
4	193.42	33.29	43.50	-10.21	44.84	-11.55	Peak	---	---
5	331.88	28.45	46.00	-17.55	35.69	-7.24	Peak	---	---
6	449.06	36.82	46.00	-9.18	41.03	-4.21	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):23 Humidity(%):64

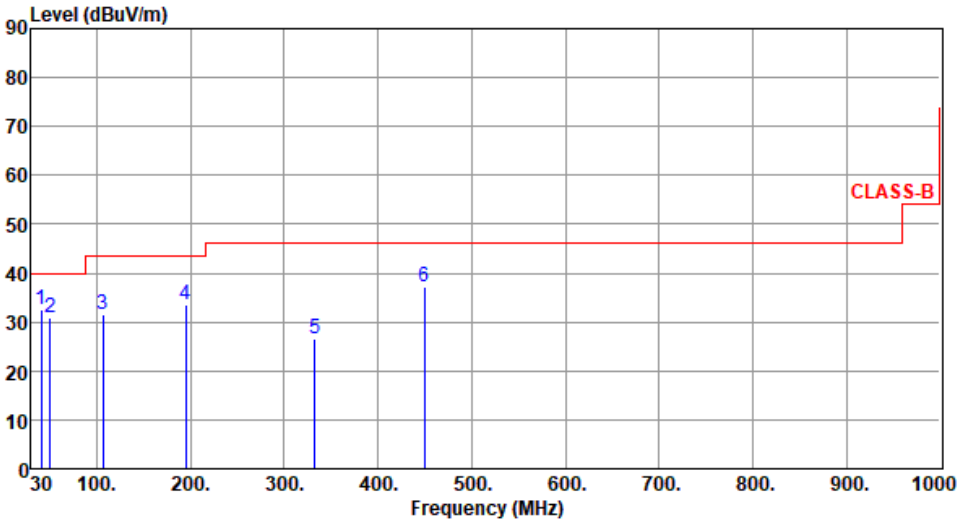


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	39.65	25.42	40.00	-14.58	34.25	-8.83	Peak	---	---
2	104.11	28.25	43.50	-15.25	40.78	-12.53	Peak	---	---
3	150.92	28.66	43.50	-14.84	37.48	-8.82	Peak	---	---
4	190.47	29.53	43.50	-13.97	40.89	-11.36	Peak	---	---
5	250.42	32.19	46.00	-13.81	42.19	-10.00	Peak	---	---
6	500.53	36.81	46.00	-9.19	40.00	-3.19	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):23 Humidity(%):64



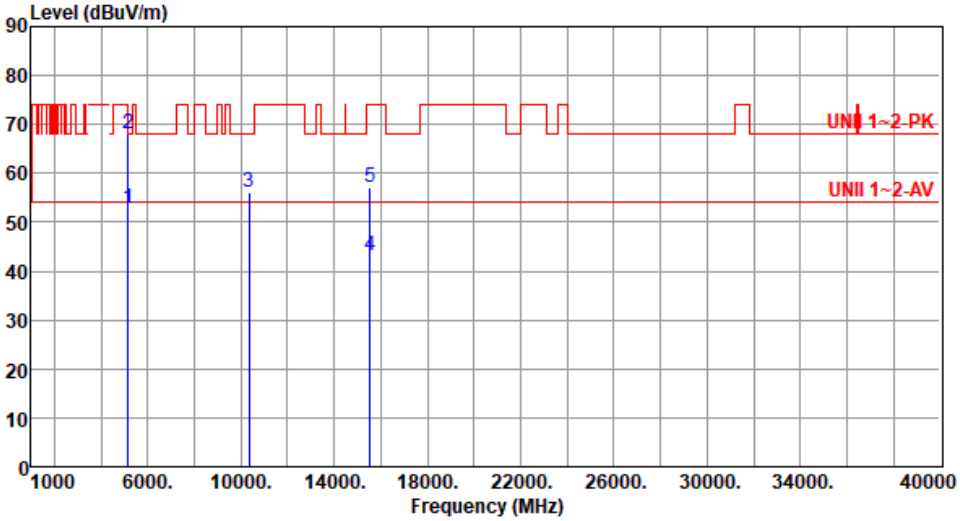
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	40.65	32.54	40.00	-7.46	41.28	-8.74	Peak	---	---
2	50.63	31.05	40.00	-8.95	38.85	-7.80	Peak	---	---
3	106.23	31.48	43.50	-12.02	43.85	-12.37	Peak	---	---
4	194.53	33.64	43.50	-9.86	45.18	-11.54	Peak	---	---
5	332.54	26.49	46.00	-19.51	33.73	-7.24	Peak	---	---
6	449.68	37.22	46.00	-8.78	41.43	-4.21	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.

Unwanted Emissions (Above 1GHz) for 11a

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

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

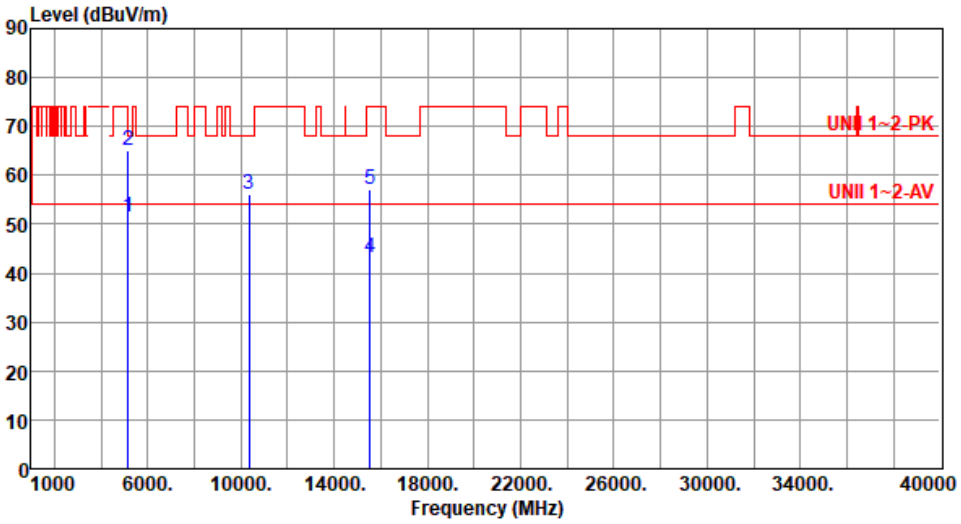


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.80	54.00	-1.20	52.56	0.24	Average	252	356
2	5150.00	68.16	74.00	-5.84	67.92	0.24	Peak	252	356
3	10360.00	56.23	68.20	-11.97	49.14	7.09	Peak	100	28
4	15540.00	43.28	54.00	-10.72	39.13	4.15	Average	100	83
5	15540.00	57.06	74.00	-16.94	52.91	4.15	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	11a	**Test Freq. (MHz)**	5180
Polarization	Vertical		

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

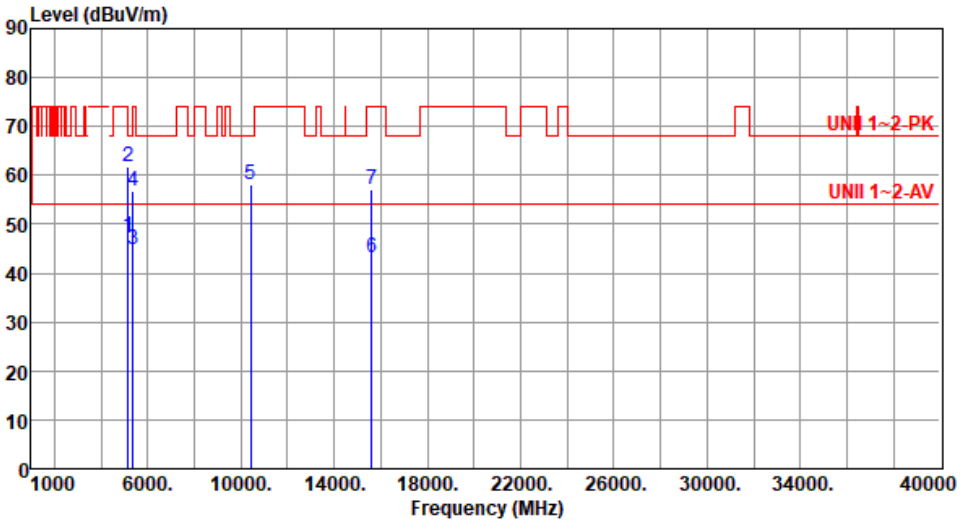


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.49	54.00	-2.51	51.25	0.24	Average	133	342
2	5150.00	65.19	74.00	-8.81	64.95	0.24	Peak	133	342
3	10360.00	56.12	68.20	-12.08	49.03	7.09	Peak	100	16
4	15540.00	43.17	54.00	-10.83	39.02	4.15	Average	100	115
5	15540.00	57.02	74.00	-16.98	52.87	4.15	Peak	100	115

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

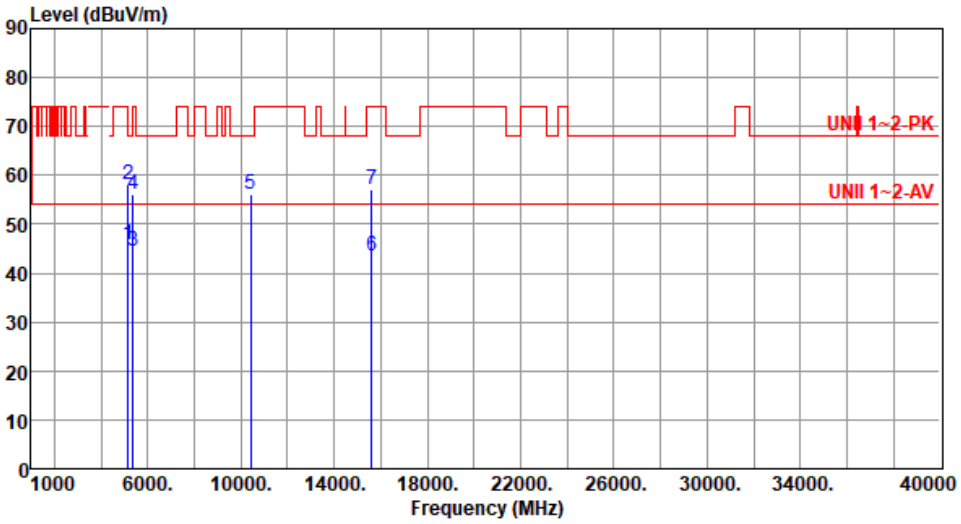


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.53	54.00	-6.47	47.29	0.24	Average	174	357
2	5150.00	61.76	74.00	-12.24	61.52	0.24	Peak	174	357
3	5350.00	44.93	54.00	-9.07	45.11	-0.18	Average	174	357
4	5350.00	56.75	74.00	-17.25	56.93	-0.18	Peak	174	357
5	10400.00	58.07	68.20	-10.13	50.88	7.19	Peak	194	55
6	15600.00	43.34	54.00	-10.66	39.39	3.95	Average	100	74
7	15600.00	57.12	74.00	-16.88	53.17	3.95	Peak	100	74

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

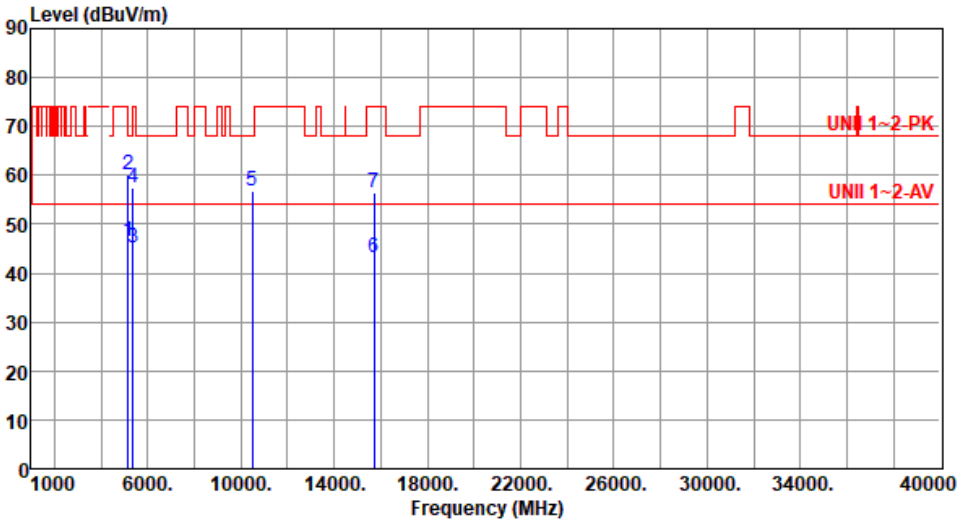


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.70	54.00	-8.30	45.46	0.24	Average	106	308
2	5150.00	58.07	74.00	-15.93	57.83	0.24	Peak	106	308
3	5350.00	44.40	54.00	-9.60	44.58	-0.18	Average	106	308
4	5350.00	55.99	74.00	-18.01	56.17	-0.18	Peak	106	308
5	10400.00	56.14	68.20	-12.06	48.95	7.19	Peak	100	3
6	15600.00	43.61	54.00	-10.39	39.66	3.95	Average	100	129
7	15600.00	57.09	74.00	-16.91	53.14	3.95	Peak	100	129

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(℃):23 Humidity(%):65

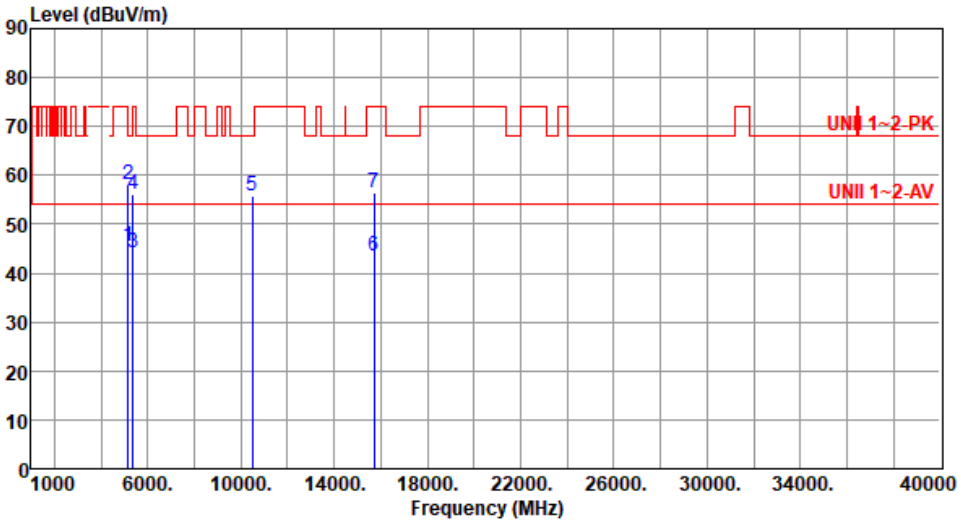


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.56	54.00	-7.44	46.32	0.24	Average	182	354
2	5150.00	60.27	74.00	-13.73	60.03	0.24	Peak	182	354
3	5350.00	45.32	54.00	-8.68	45.50	-0.18	Average	182	354
4	5350.00	57.30	74.00	-16.70	57.48	-0.18	Peak	182	354
5	10480.00	56.71	68.20	-11.49	49.47	7.24	Peak	194	41
6	15720.00	43.22	54.00	-10.78	39.29	3.93	Average	100	144
7	15720.00	56.30	74.00	-17.70	52.37	3.93	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	11a	**Test Freq. (MHz)**	5240
Polarization	Vertical		

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

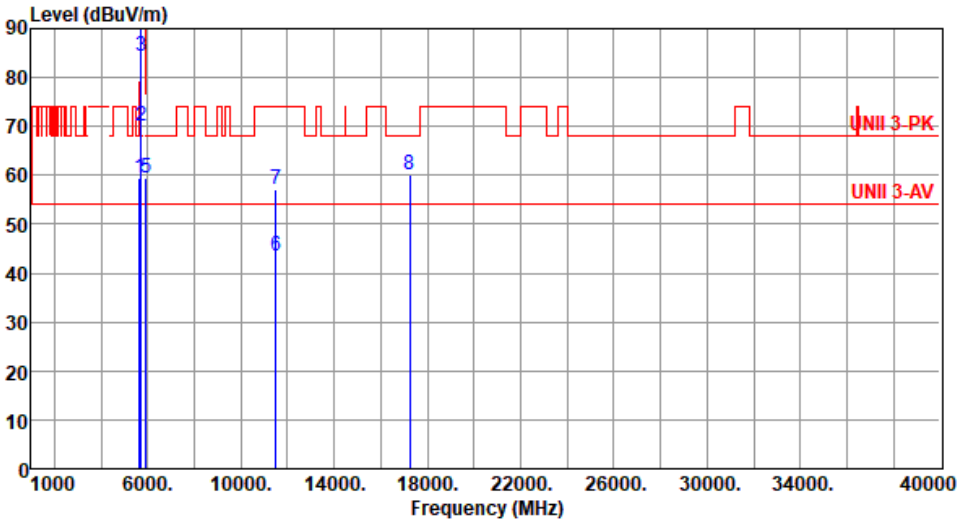


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.42	54.00	-8.58	45.18	0.24	Average	107	316
2	5150.00	57.97	74.00	-16.03	57.73	0.24	Peak	107	316
3	5350.00	44.12	54.00	-9.88	44.30	-0.18	Average	107	316
4	5350.00	56.08	74.00	-17.92	56.26	-0.18	Peak	107	316
5	10480.00	55.77	68.20	-12.43	48.53	7.24	Peak	100	6
6	15720.00	43.34	54.00	-10.66	39.41	3.93	Average	100	88
7	15720.00	56.34	74.00	-17.66	52.41	3.93	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	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):23 Humidity(%):65

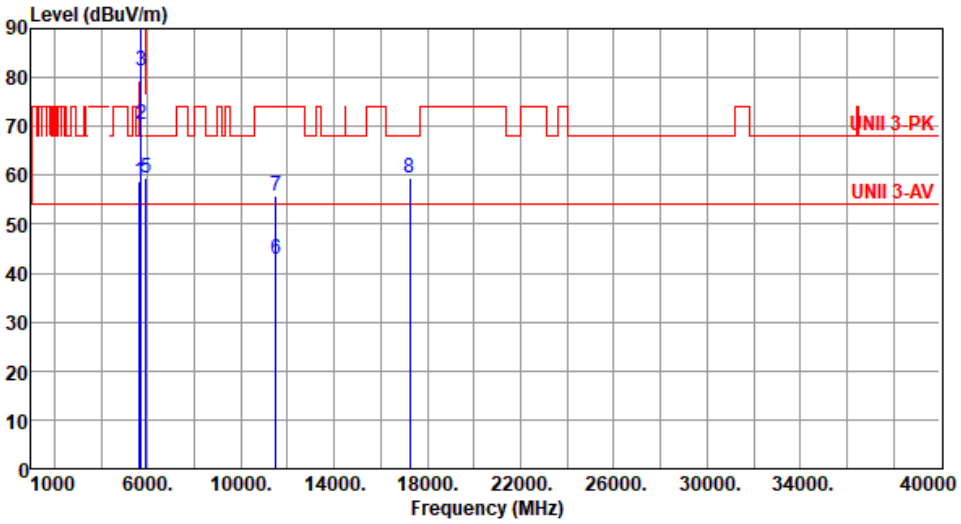


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.33	68.20	-8.87	59.09	0.24	Peak	297	359
2	5700.00	70.14	105.20	-35.06	69.67	0.47	Peak	297	359
3	5720.00	84.27	110.80	-26.53	83.70	0.57	Peak	297	359
4	5725.00	95.07	122.20	-27.13	94.48	0.59	Peak	297	359
5	5925.00	59.30	68.20	-8.90	58.11	1.19	Peak	297	359
6	11490.00	43.39	54.00	-10.61	36.14	7.25	Average	100	122
7	11490.00	57.28	74.00	-16.72	50.03	7.25	Peak	100	122
8	17235.00	60.07	68.20	-8.13	53.97	6.10	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)**	5745
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):23 Humidity(%):65

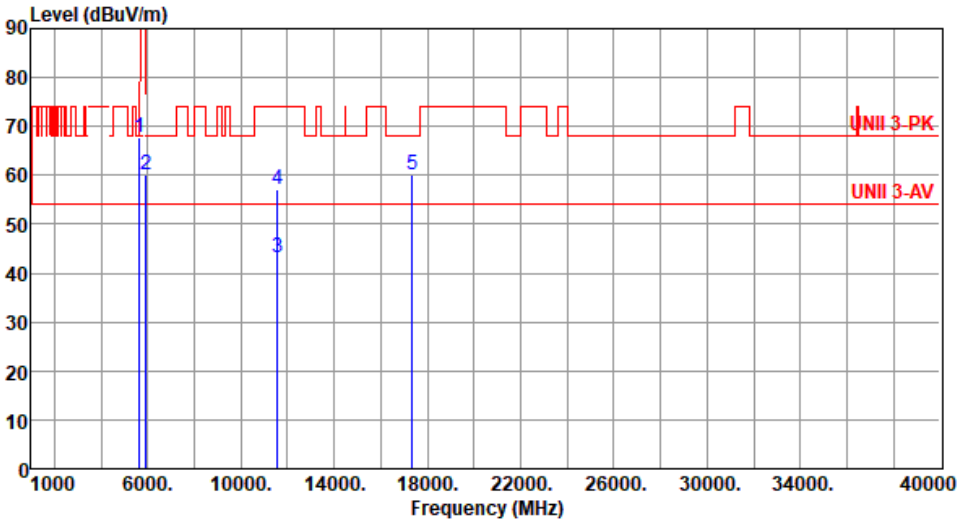


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.78	68.20	-9.42	58.54	0.24	Peak	225	322
2	5700.00	70.26	105.20	-34.94	69.79	0.47	Peak	225	322
3	5720.00	81.32	110.80	-29.48	80.75	0.57	Peak	225	322
4	5725.00	90.52	122.20	-31.68	89.93	0.59	Peak	225	322
5	5925.00	59.42	68.20	-8.78	58.23	1.19	Peak	225	322
6	11490.00	42.96	54.00	-11.04	35.71	7.25	Average	100	125
7	11490.00	55.88	74.00	-18.12	48.63	7.25	Peak	100	125
8	17235.00	59.56	68.20	-8.64	53.46	6.10	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	11a	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):23 Humidity(%):65

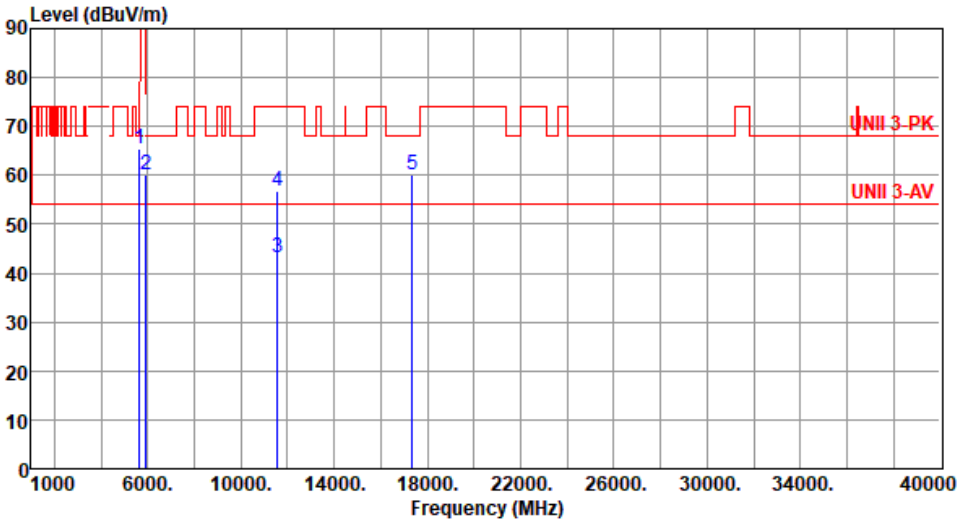


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	67.78	68.20	-0.42	67.54	0.24	Peak	288	356
2	5925.00	60.01	68.20	-8.19	58.82	1.19	Peak	288	356
3	11570.00	43.21	54.00	-10.79	36.18	7.03	Average	100	79
4	11570.00	57.06	74.00	-16.94	50.03	7.03	Peak	100	79
5	17355.00	60.07	68.20	-8.13	53.84	6.23	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	11a	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):23 Humidity(%):65

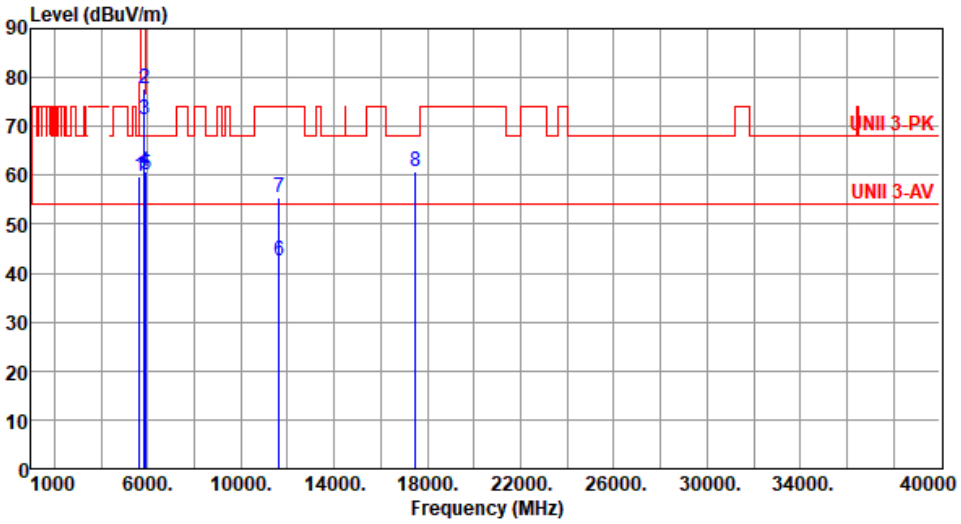


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	65.27	68.20	-2.93	65.03	0.24	Peak	224	321
2	5925.00	60.13	68.20	-8.07	58.94	1.19	Peak	224	321
3	11570.00	43.12	54.00	-10.88	36.09	7.03	Average	100	124
4	11570.00	56.77	74.00	-17.23	49.74	7.03	Peak	100	124
5	17355.00	60.12	68.20	-8.08	53.89	6.23	Peak	100	104

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 :Paul Lin Temperature(℃):23 Humidity(%):65

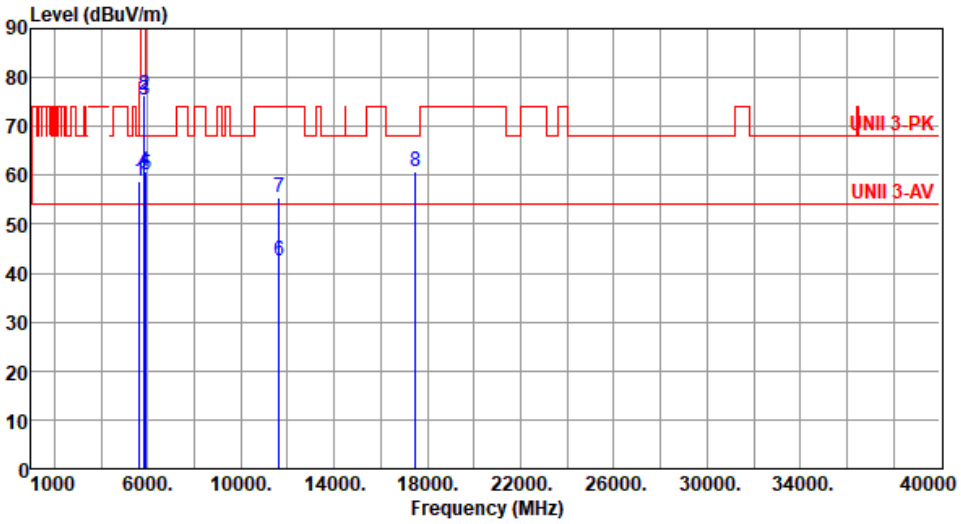


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.74	68.20	-8.46	59.50	0.24	Peak	301	348
2	5850.00	77.81	122.20	-44.39	76.93	0.88	Peak	301	348
3	5855.00	71.36	110.80	-39.44	70.45	0.91	Peak	301	348
4	5875.00	60.89	105.20	-44.31	59.89	1.00	Peak	301	348
5	5925.00	60.12	68.20	-8.08	58.93	1.19	Peak	301	348
6	11650.00	42.45	54.00	-11.55	35.69	6.76	Average	100	95
7	11650.00	55.39	74.00	-18.61	48.63	6.76	Peak	100	95
8	17475.00	60.88	68.20	-7.32	54.29	6.59	Peak	100	58

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 :Paul Lin Temperature(℃):23 Humidity(%):65



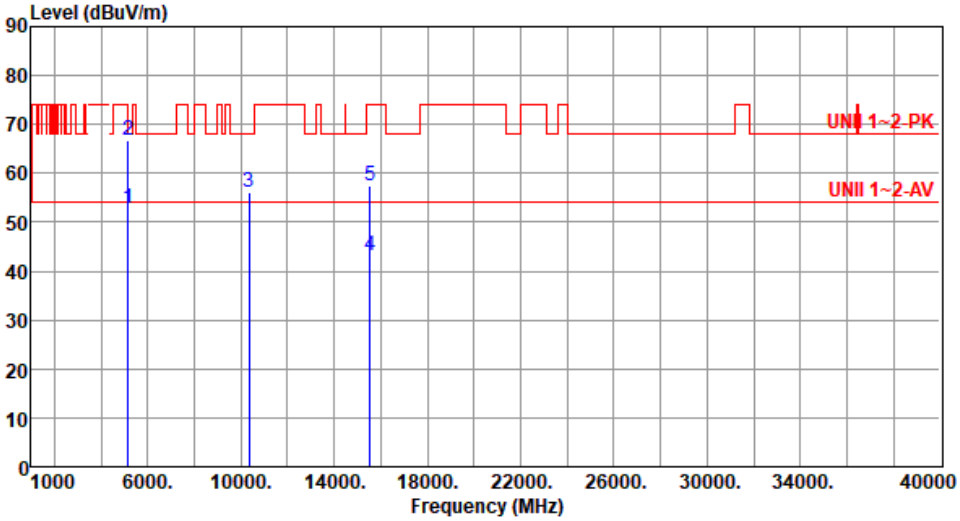
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.71	68.20	-9.49	58.47	0.24	Peak	223	320
2	5850.00	76.36	122.20	-45.84	75.48	0.88	Peak	223	320
3	5855.00	75.35	110.80	-35.45	74.44	0.91	Peak	223	320
4	5875.00	60.81	105.20	-44.39	59.81	1.00	Peak	223	320
5	5925.00	60.03	68.20	-8.17	58.84	1.19	Peak	223	320
6	11650.00	42.60	54.00	-11.40	35.84	6.76	Average	100	108
7	11650.00	55.59	74.00	-18.41	48.83	6.76	Peak	100	108
8	17475.00	60.83	68.20	-7.37	54.24	6.59	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).

Unwanted Emissions (Above 1GHz) for be EHT20-OFDMA

Modulation	be EHT20-OFDMA	**Test Freq. (MHz)**	5180
Polarization	Horizontal		

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

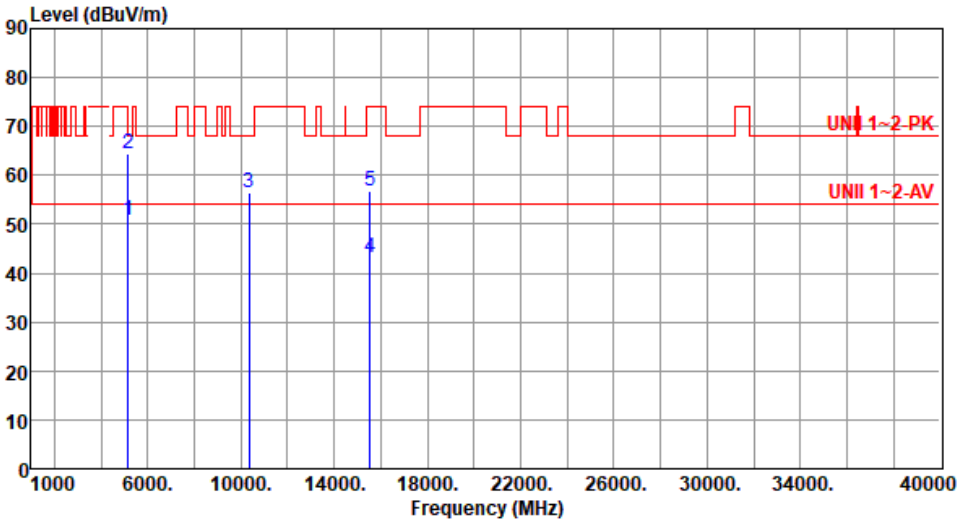


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.64	54.00	-1.36	52.40	0.24	Average	224	1
2	5150.00	66.80	74.00	-7.20	66.56	0.24	Peak	224	1
3	10360.00	56.25	68.20	-11.95	49.16	7.09	Peak	100	62
4	15540.00	43.25	54.00	-10.75	39.10	4.15	Average	100	76
5	15540.00	57.37	74.00	-16.63	53.22	4.15	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5180
Polarization	Vertical		

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

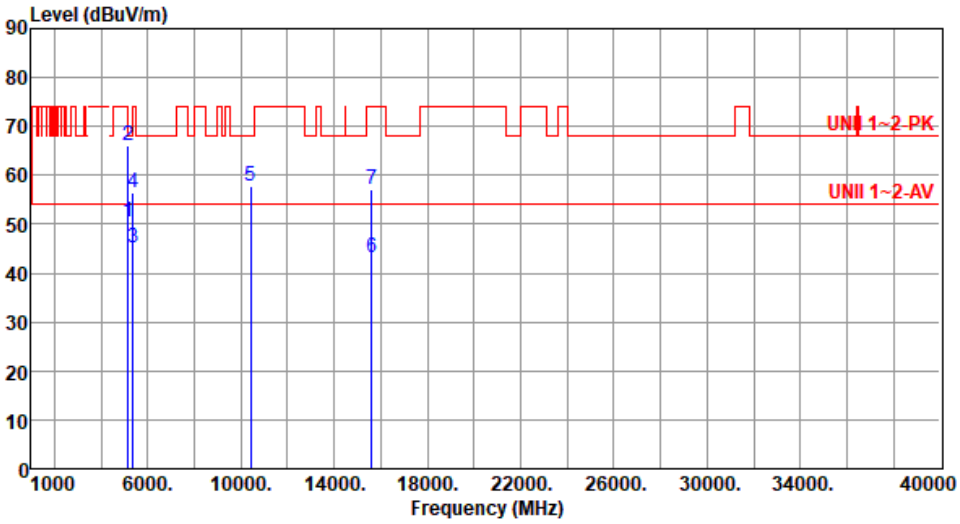


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	50.83	54.00	-3.17	50.59	0.24	Average	106	2
2	5150.00	64.37	74.00	-9.63	64.13	0.24	Peak	106	2
3	10360.00	56.34	68.20	-11.86	49.25	7.09	Peak	100	41
4	15540.00	43.22	54.00	-10.78	39.07	4.15	Average	100	102
5	15540.00	56.64	74.00	-17.36	52.49	4.15	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Horizontal		

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

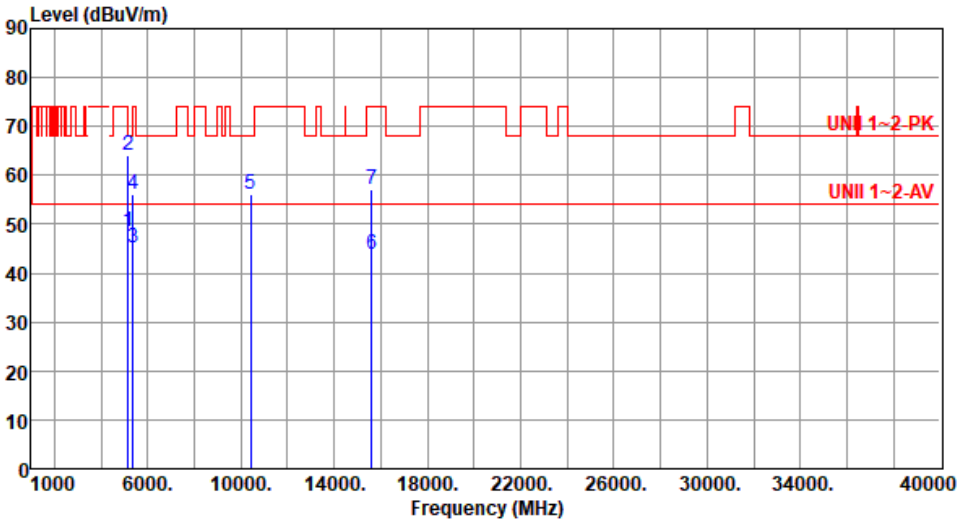


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	50.58	54.00	-3.42	50.34	0.24	Average	226	1
2	5150.00	66.04	74.00	-7.96	65.80	0.24	Peak	226	1
3	5350.00	45.20	54.00	-8.80	45.38	-0.18	Average	226	1
4	5350.00	56.46	74.00	-17.54	56.64	-0.18	Peak	226	1
5	10400.00	57.75	68.20	-10.45	50.56	7.19	Peak	195	58
6	15600.00	43.16	54.00	-10.84	39.21	3.95	Average	100	60
7	15600.00	57.20	74.00	-16.80	53.25	3.95	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Vertical		

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

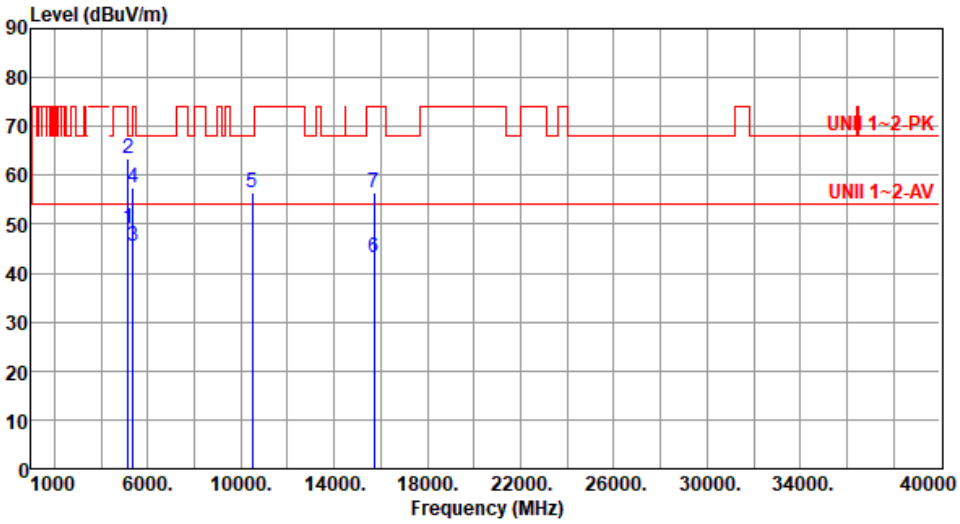


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.63	54.00	-5.37	48.39	0.24	Average	107	3
2	5150.00	63.95	74.00	-10.05	63.71	0.24	Peak	107	3
3	5350.00	45.02	54.00	-8.98	45.20	-0.18	Average	107	3
4	5350.00	56.23	74.00	-17.77	56.41	-0.18	Peak	107	3
5	10400.00	56.23	68.20	-11.97	49.04	7.19	Peak	100	7
6	15600.00	43.74	54.00	-10.26	39.79	3.95	Average	100	118
7	15600.00	57.28	74.00	-16.72	53.33	3.95	Peak	100	118

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	be EHT20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Horizontal		

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

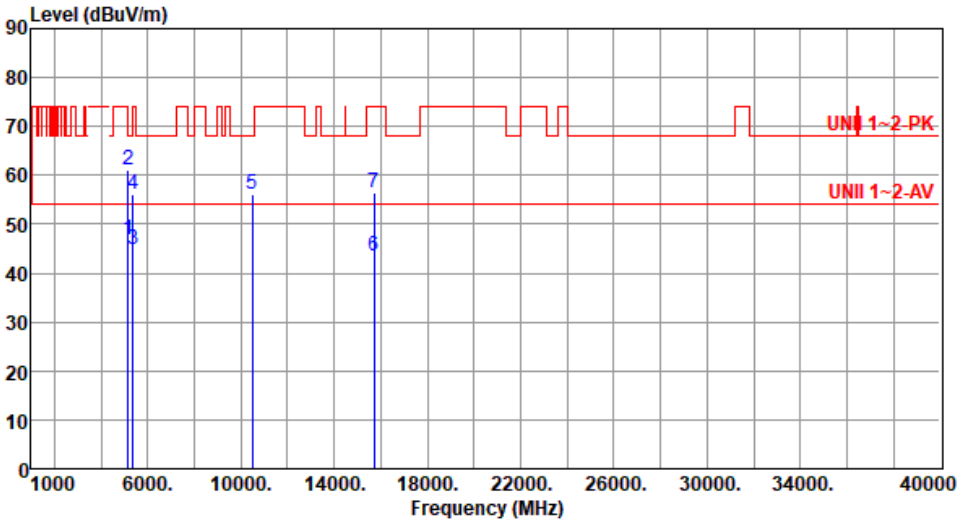


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	49.03	54.00	-4.97	48.79	0.24	Average	225	2
2	5150.00	63.28	74.00	-10.72	63.04	0.24	Peak	225	2
3	5350.00	45.49	54.00	-8.51	45.67	-0.18	Average	225	2
4	5350.00	57.50	74.00	-16.50	57.68	-0.18	Peak	225	2
5	10480.00	56.53	68.20	-11.67	49.29	7.24	Peak	196	39
6	15720.00	43.14	54.00	-10.86	39.21	3.93	Average	100	70
7	15720.00	56.39	74.00	-17.61	52.46	3.93	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Vertical		

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

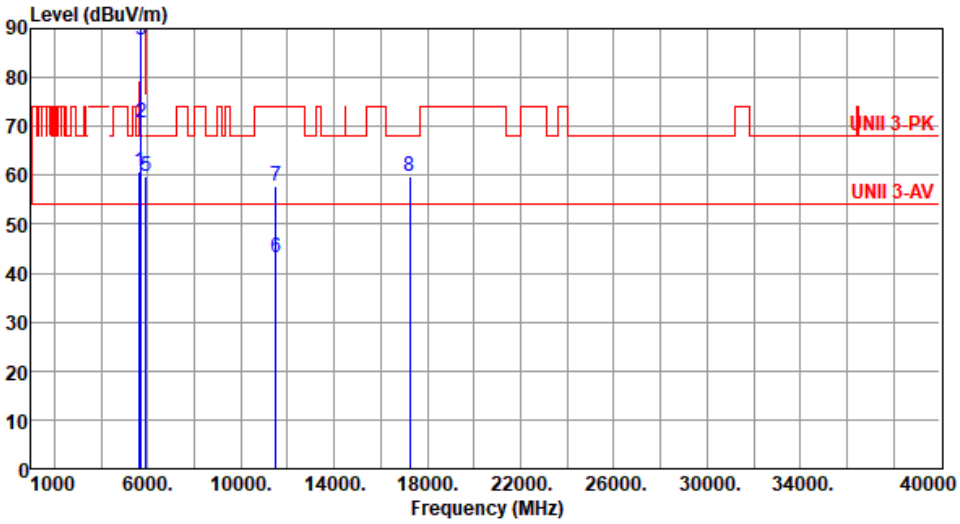


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.92	54.00	-7.08	46.68	0.24	Average	108	4
2	5150.00	61.17	74.00	-12.83	60.93	0.24	Peak	108	4
3	5350.00	44.96	54.00	-9.04	45.14	-0.18	Average	108	4
4	5350.00	56.15	74.00	-17.85	56.33	-0.18	Peak	108	4
5	10480.00	56.03	68.20	-12.17	48.79	7.24	Peak	100	7
6	15720.00	43.45	54.00	-10.55	39.52	3.93	Average	100	76
7	15720.00	56.52	74.00	-17.48	52.59	3.93	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

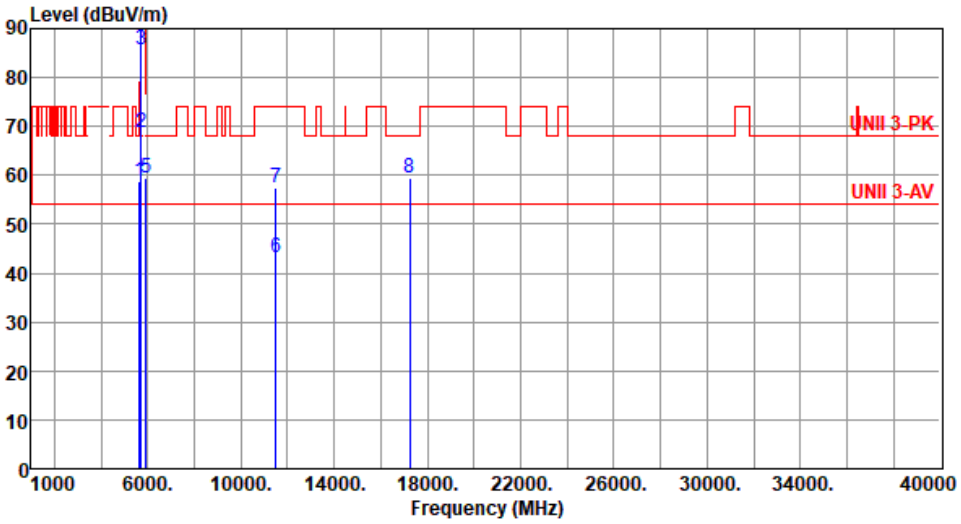


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	60.64	68.20	-7.56	60.40	0.24	Peak	100	51
2	5700.00	70.77	105.20	-34.43	70.30	0.47	Peak	100	51
3	5720.00	87.78	110.80	-23.02	87.21	0.57	Peak	100	51
4	5725.00	94.86	122.20	-27.34	94.27	0.59	Peak	100	51
5	5925.00	59.76	68.20	-8.44	58.57	1.19	Peak	100	51
6	11490.00	43.30	54.00	-10.70	36.05	7.25	Average	100	125
7	11490.00	57.70	74.00	-16.30	50.45	7.25	Peak	100	125
8	17235.00	59.85	68.20	-8.35	53.75	6.10	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

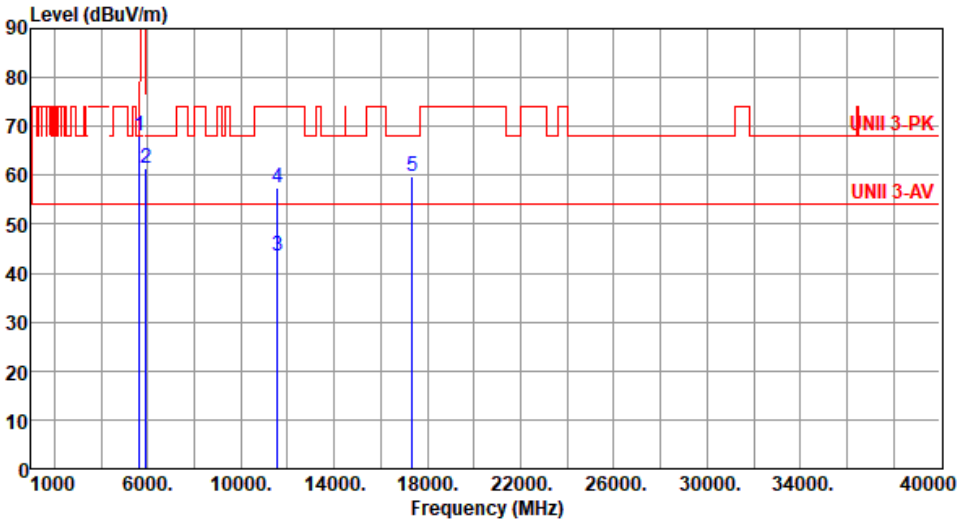


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.81	68.20	-9.39	58.57	0.24	Peak	100	345
2	5700.00	68.91	105.20	-36.29	68.44	0.47	Peak	100	345
3	5720.00	85.70	110.80	-25.10	85.13	0.57	Peak	100	345
4	5725.00	92.43	122.20	-29.77	91.84	0.59	Peak	100	345
5	5925.00	59.38	68.20	-8.82	58.19	1.19	Peak	100	345
6	11490.00	43.14	54.00	-10.86	35.89	7.25	Average	100	57
7	11490.00	57.50	74.00	-16.50	50.25	7.25	Peak	100	57
8	17235.00	59.52	68.20	-8.68	53.42	6.10	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

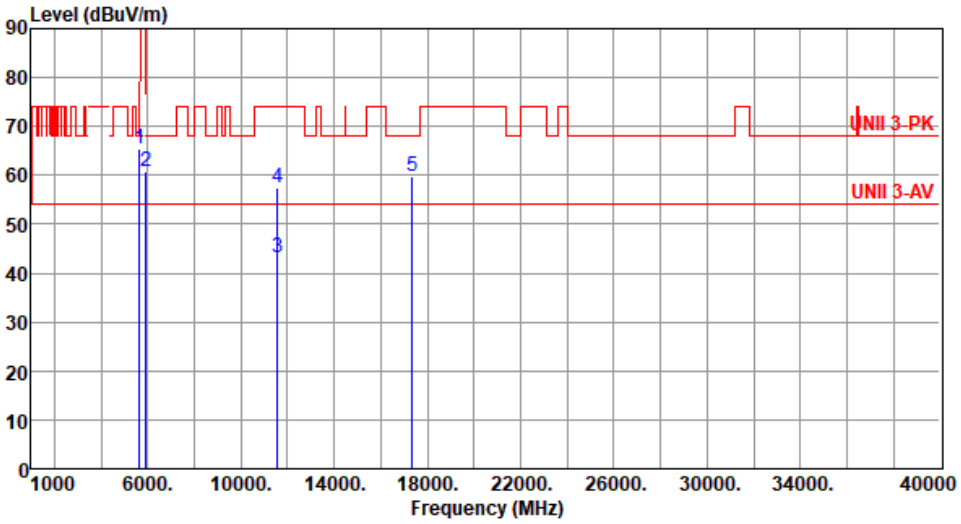


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	68.07	68.20	-0.13	67.83	0.24	Peak	100	51
2	5925.00	61.36	68.20	-6.84	60.17	1.19	Peak	100	51
3	11570.00	43.35	54.00	-10.65	36.32	7.03	Average	100	84
4	11570.00	57.31	74.00	-16.69	50.28	7.03	Peak	100	84
5	17355.00	59.86	68.20	-8.34	53.63	6.23	Peak	100	108

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	be EHT20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

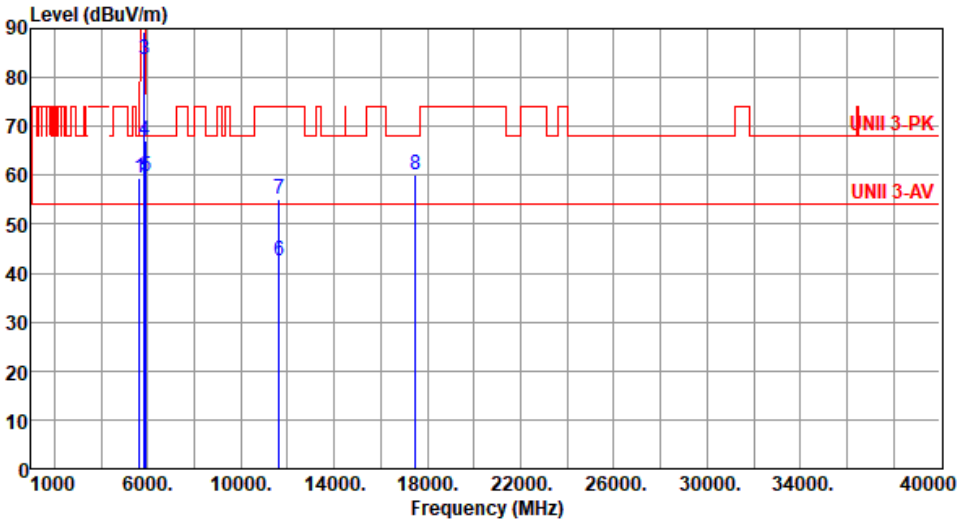


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	65.40	68.20	-2.80	65.16	0.24	Peak	100	345
2	5925.00	60.74	68.20	-7.46	59.55	1.19	Peak	100	345
3	11570.00	43.25	54.00	-10.75	36.22	7.03	Average	100	47
4	11570.00	57.32	74.00	-16.68	50.29	7.03	Peak	100	47
5	17355.00	59.84	68.20	-8.36	53.61	6.23	Peak	100	79

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	be EHT20-OFDMA	**Test Freq. (MHz)**	5825
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

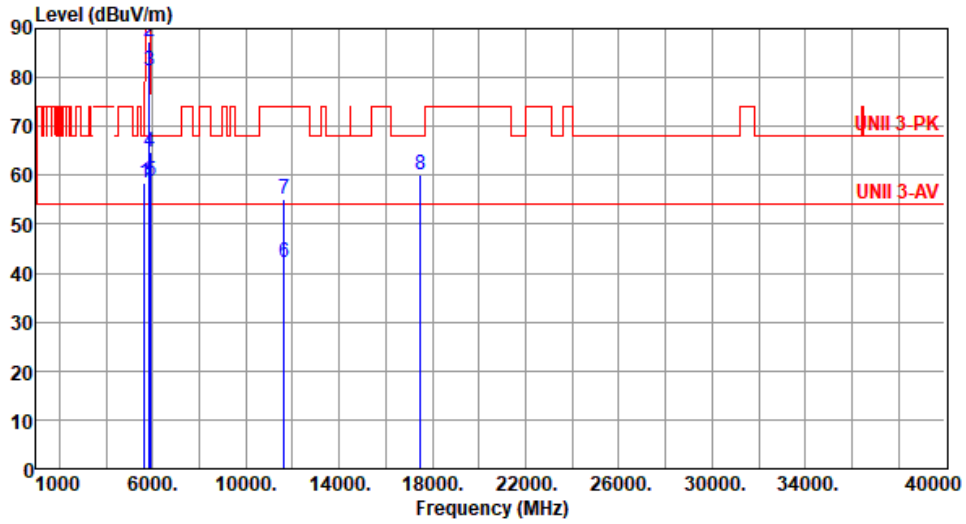


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.29	68.20	-8.91	59.05	0.24	Peak	100	53
2	5850.00	89.20	122.20	-33.00	88.32	0.88	Peak	100	53
3	5855.00	83.61	110.80	-27.19	82.70	0.91	Peak	100	53
4	5875.00	67.06	105.20	-38.14	66.06	1.00	Peak	100	53
5	5925.00	59.66	68.20	-8.54	58.47	1.19	Peak	100	53
6	11650.00	42.42	54.00	-11.58	35.66	6.76	Average	100	99
7	11650.00	55.21	74.00	-18.79	48.45	6.76	Peak	100	99
8	17475.00	60.27	68.20	-7.93	53.68	6.59	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	be EHT20-OFDMA	**Test Freq. (MHz)**	5825
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64



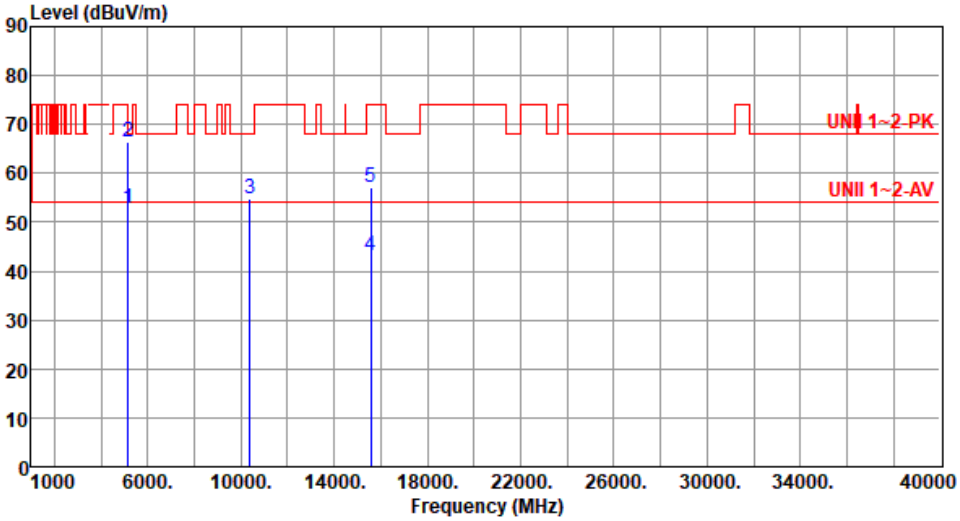
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.46	68.20	-9.74	58.22	0.24	Peak	100	310
2	5850.00	87.29	122.20	-34.91	86.41	0.88	Peak	100	310
3	5855.00	81.32	110.80	-29.48	80.41	0.91	Peak	100	310
4	5875.00	64.83	105.20	-40.37	63.83	1.00	Peak	100	310
5	5925.00	58.67	68.20	-9.53	57.48	1.19	Peak	100	310
6	11650.00	42.33	54.00	-11.67	35.57	6.76	Average	100	45
7	11650.00	55.05	74.00	-18.95	48.29	6.76	Peak	100	45
8	17475.00	60.08	68.20	-8.12	53.49	6.59	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).

Unwanted Emissions (Above 1GHz) for be EHT40-OFDMA

Modulation	be EHT40-OFDMA	**Test Freq. (MHz)**	5190
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

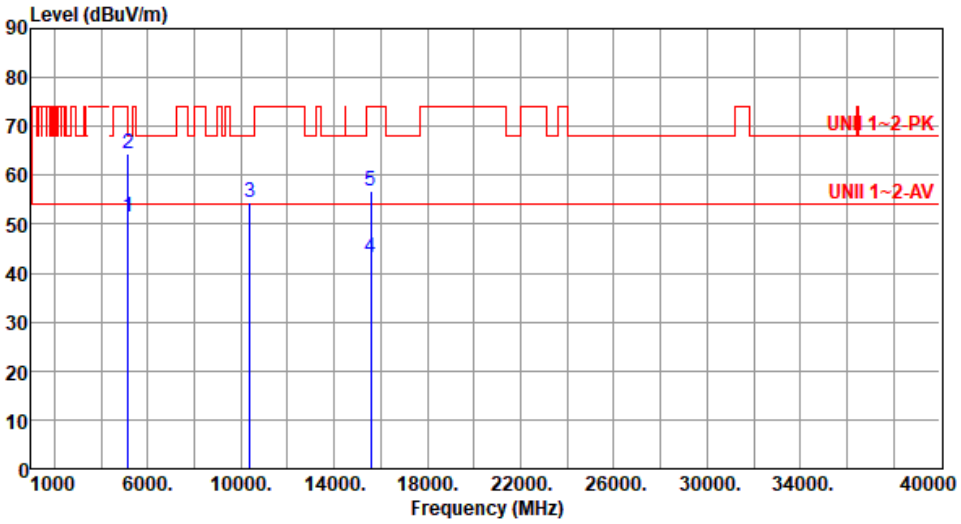


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.85	54.00	-1.15	52.61	0.24	Average	225	1
2	5150.00	66.49	74.00	-7.51	66.25	0.24	Peak	225	1
3	10380.00	54.66	68.20	-13.54	47.52	7.14	Peak	100	75
4	15570.00	43.29	54.00	-10.71	39.25	4.04	Average	100	37
5	15570.00	57.12	74.00	-16.88	53.08	4.04	Peak	100	37

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	be EHT40-OFDMA	**Test Freq. (MHz)**	5190
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

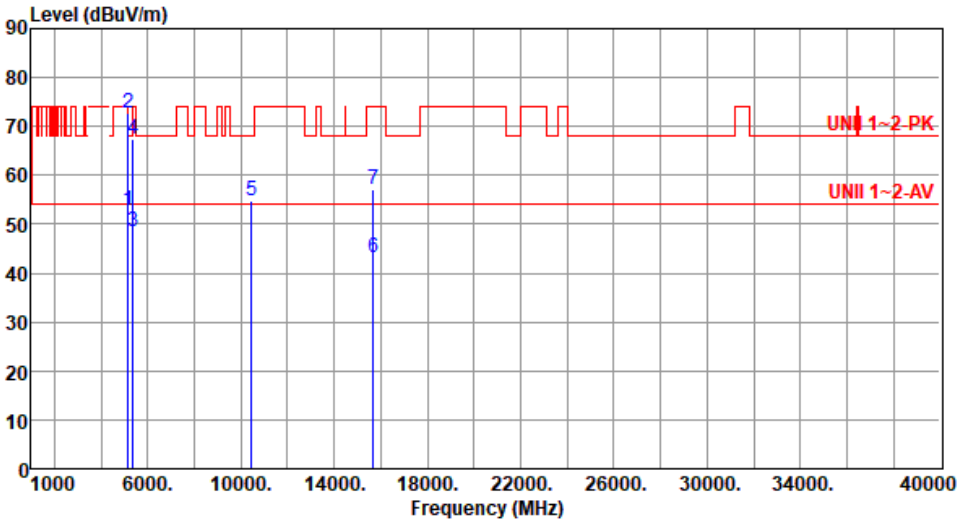


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.50	54.00	-2.50	51.26	0.24	Average	115	359
2	5150.00	64.49	74.00	-9.51	64.25	0.24	Peak	115	359
3	10380.00	54.52	68.20	-13.68	47.38	7.14	Peak	100	133
4	15570.00	43.08	54.00	-10.92	39.04	4.04	Average	100	202
5	15570.00	56.85	74.00	-17.15	52.81	4.04	Peak	100	202

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	be EHT40-OFDMA	**Test Freq. (MHz)**	5230
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

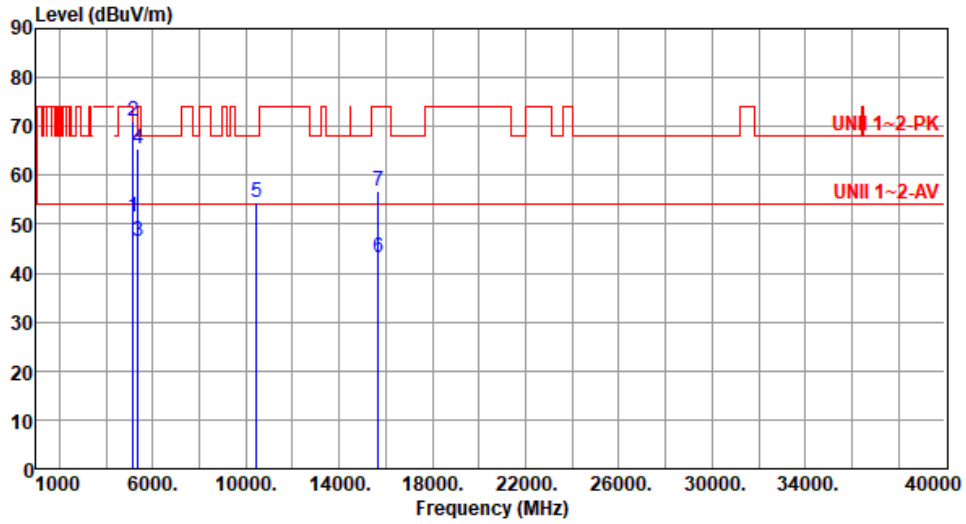


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.91	54.00	-1.09	52.67	0.24	Average	223	2
2	5150.00	72.69	74.00	-1.31	72.45	0.24	Peak	223	2
3	5350.00	48.44	54.00	-5.56	48.62	-0.18	Average	223	2
4	5350.00	67.41	74.00	-6.59	67.59	-0.18	Peak	223	2
5	10460.00	54.79	68.20	-13.41	47.55	7.24	Peak	100	59
6	15690.00	43.14	54.00	-10.86	39.22	3.92	Average	100	70
7	15690.00	56.98	74.00	-17.02	53.06	3.92	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	be EHT40-OFDMA	**Test Freq. (MHz)**	5230
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

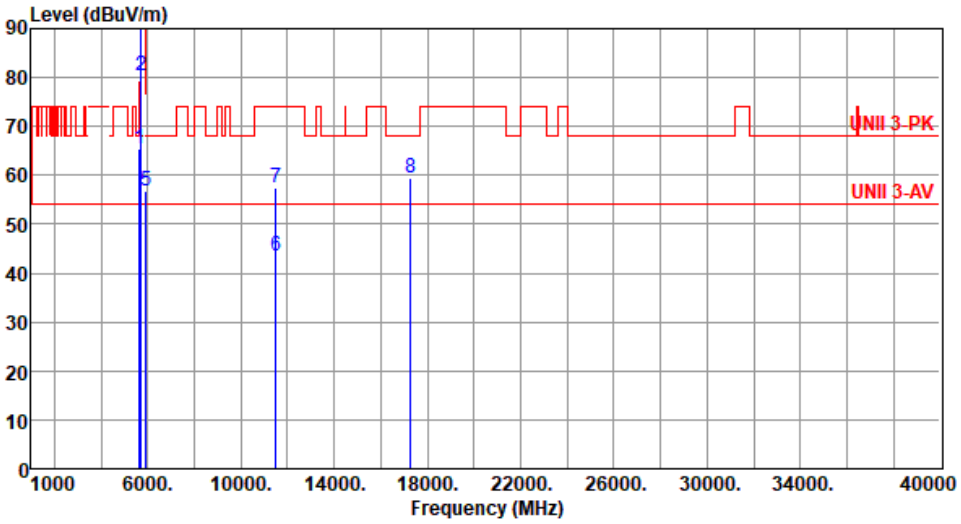


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.53	54.00	-2.47	51.29	0.24	Average	111	356
2	5150.00	70.92	74.00	-3.08	70.68	0.24	Peak	111	356
3	5350.00	46.56	54.00	-7.44	46.74	-0.18	Average	111	356
4	5350.00	65.27	74.00	-8.73	65.45	-0.18	Peak	111	356
5	10460.00	54.63	68.20	-13.57	47.39	7.24	Peak	100	106
6	15690.00	43.06	54.00	-10.94	39.14	3.92	Average	100	197
7	15690.00	56.75	74.00	-17.25	52.83	3.92	Peak	100	197

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	be EHT40-OFDMA	**Test Freq. (MHz)**	5755
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

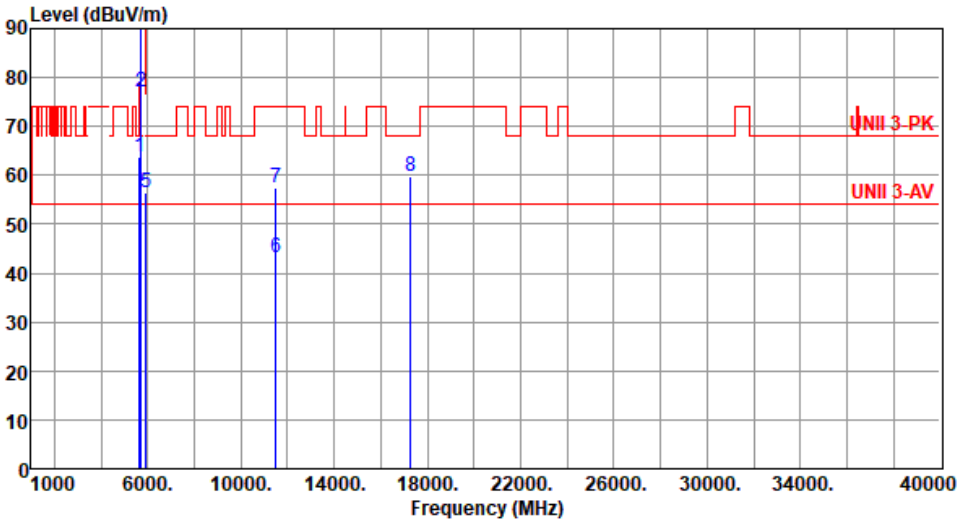


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	65.28	68.20	-2.92	65.04	0.24	Peak	100	44
2	5700.00	80.34	105.20	-24.86	79.87	0.47	Peak	100	44
3	5720.00	94.26	110.80	-16.54	93.69	0.57	Peak	100	44
4	5725.00	96.97	122.20	-25.23	96.38	0.59	Peak	100	44
5	5925.00	56.75	68.20	-11.45	55.56	1.19	Peak	100	44
6	11510.00	43.42	54.00	-10.58	36.18	7.24	Average	100	120
7	11510.00	57.46	74.00	-16.54	50.22	7.24	Peak	100	120
8	17265.00	59.56	68.20	-8.64	53.49	6.07	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	be EHT40-OFDMA	**Test Freq. (MHz)**	5755
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

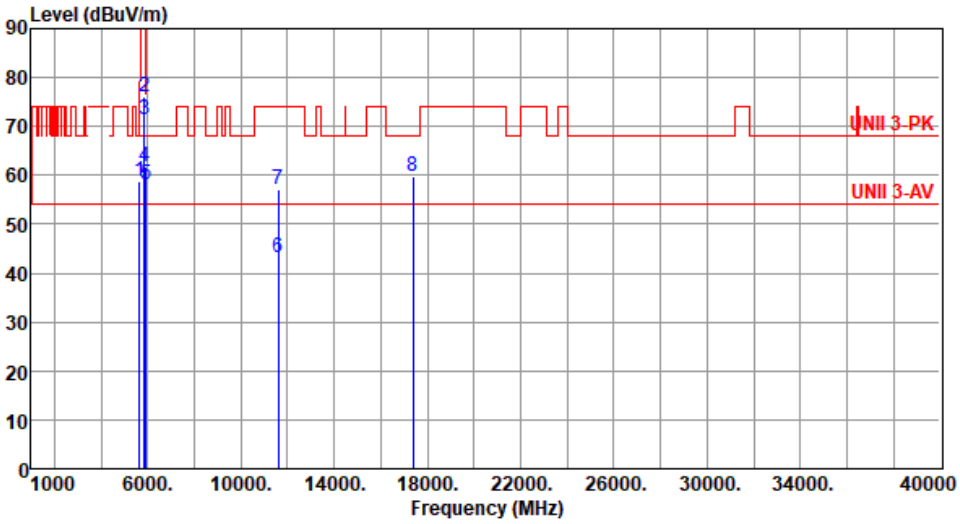


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	63.81	68.20	-4.39	63.57	0.24	Peak	102	345
2	5700.00	77.03	105.20	-28.17	76.56	0.47	Peak	102	345
3	5720.00	91.12	110.80	-19.68	90.55	0.57	Peak	102	345
4	5725.00	94.07	122.20	-28.13	93.48	0.59	Peak	102	345
5	5925.00	56.32	68.20	-11.88	55.13	1.19	Peak	102	345
6	11510.00	43.25	54.00	-10.75	36.01	7.24	Average	100	129
7	11510.00	57.49	74.00	-16.51	50.25	7.24	Peak	100	129
8	17265.00	59.74	68.20	-8.46	53.67	6.07	Peak	100	84

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	be EHT40-OFDMA	**Test Freq. (MHz)**	5795
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64

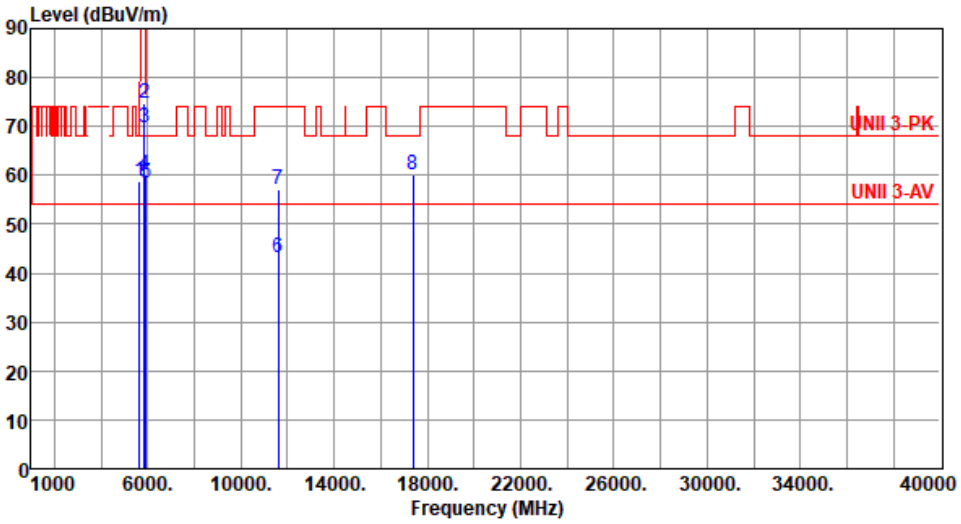


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.92	68.20	-9.28	58.68	0.24	Peak	100	42
2	5850.00	76.05	122.20	-46.15	75.17	0.88	Peak	100	42
3	5855.00	71.46	110.80	-39.34	70.55	0.91	Peak	100	42
4	5875.00	61.67	105.20	-43.53	60.67	1.00	Peak	100	42
5	5925.00	58.08	68.20	-10.12	56.89	1.19	Peak	100	42
6	11590.00	43.21	54.00	-10.79	36.25	6.96	Average	100	125
7	11590.00	57.09	74.00	-16.91	50.13	6.96	Peak	100	125
8	17385.00	59.89	68.20	-8.31	53.55	6.34	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	be EHT40-OFDMA	**Test Freq. (MHz)**	5795
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):64



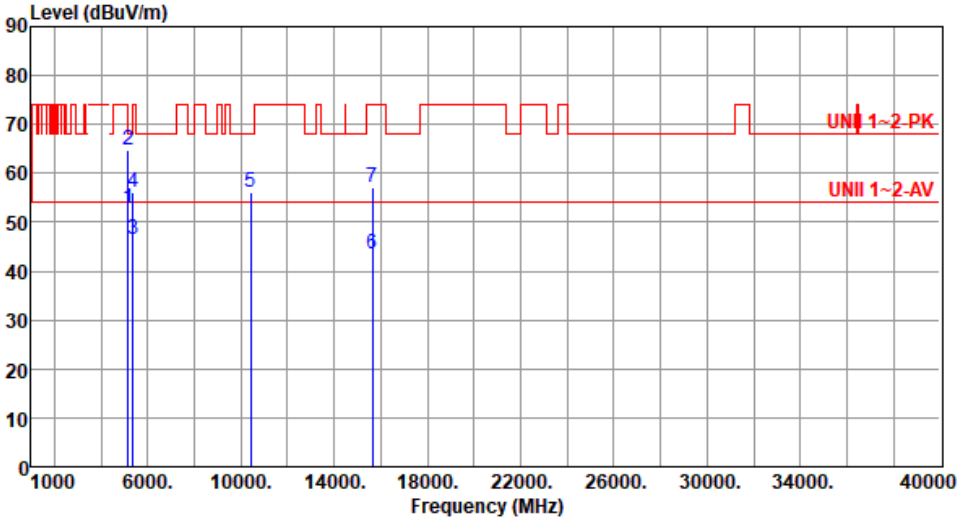
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.77	68.20	-9.43	58.53	0.24	Peak	100	351
2	5850.00	74.74	122.20	-47.46	73.86	0.88	Peak	100	351
3	5855.00	69.87	110.80	-40.93	68.96	0.91	Peak	100	351
4	5875.00	59.99	105.20	-45.21	58.99	1.00	Peak	100	351
5	5925.00	58.32	68.20	-9.88	57.13	1.19	Peak	100	351
6	11590.00	43.08	54.00	-10.92	36.12	6.96	Average	100	49
7	11590.00	57.18	74.00	-16.82	50.22	6.96	Peak	100	49
8	17385.00	59.99	68.20	-8.21	53.65	6.34	Peak	100	84

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).

Unwanted Emissions (Above 1GHz) for be EHT80-OFDMA

Modulation	be EHT80-OFDMA	**Test Freq. (MHz)**	5210
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):22 Humidity(%):64

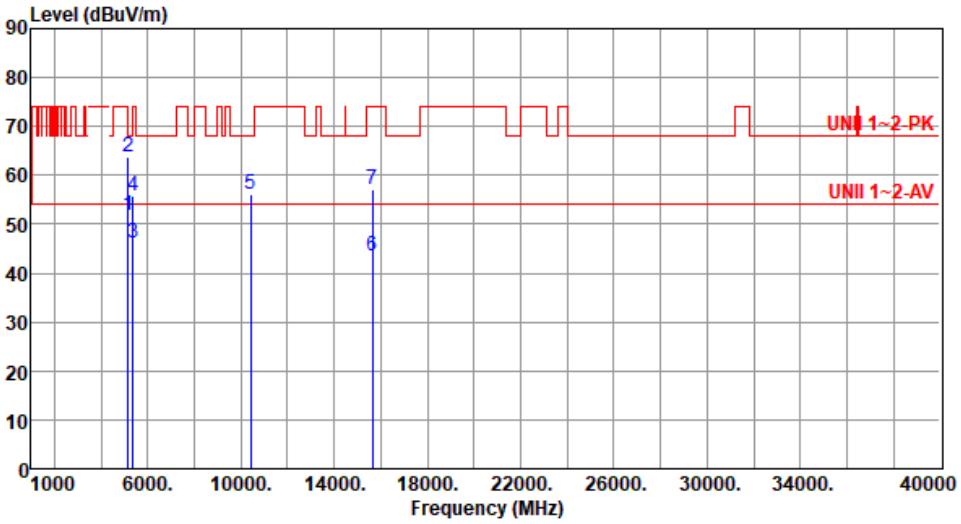


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.83	54.00	-1.17	52.59	0.24	Average	195	358
2	5150.00	64.74	74.00	-9.26	64.50	0.24	Peak	195	358
3	5350.00	46.35	54.00	-7.65	46.53	-0.18	Average	195	358
4	5350.00	55.96	74.00	-18.04	56.14	-0.18	Peak	195	358
5	10420.00	56.15	68.20	-12.05	48.95	7.20	Peak	100	108
6	15630.00	43.66	54.00	-10.34	39.73	3.93	Average	100	155
7	15630.00	57.18	74.00	-16.82	53.25	3.93	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	be EHT80-OFDMA	**Test Freq. (MHz)**	5210
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):22 Humidity(%):64

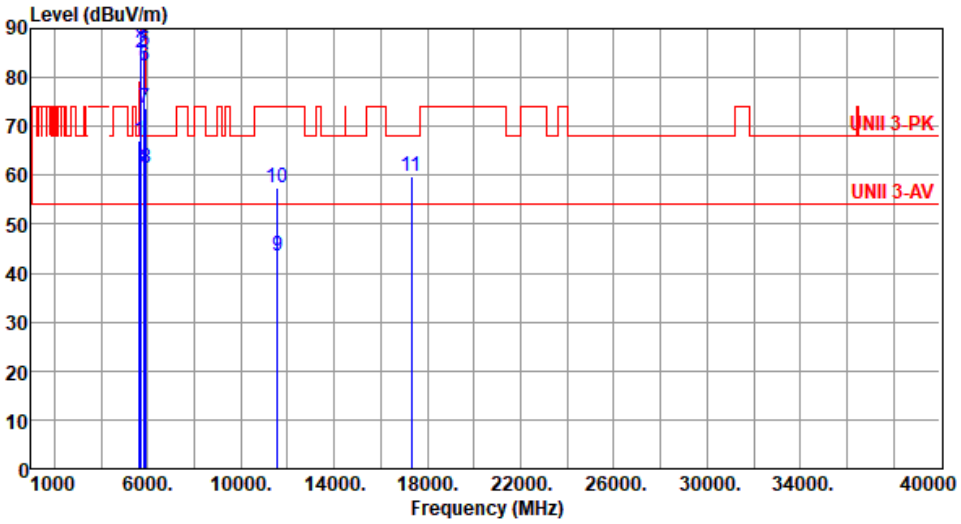


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.89	54.00	-2.11	51.65	0.24	Average	100	350
2	5150.00	63.73	74.00	-10.27	63.49	0.24	Peak	100	350
3	5350.00	46.06	54.00	-7.94	46.24	-0.18	Average	100	350
4	5350.00	55.70	74.00	-18.30	55.88	-0.18	Peak	100	350
5	10420.00	56.08	68.20	-12.12	48.88	7.20	Peak	100	87
6	15630.00	43.61	54.00	-10.39	39.68	3.93	Average	100	121
7	15630.00	57.13	74.00	-16.87	53.20	3.93	Peak	100	121

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	be EHT80-OFDMA	**Test Freq. (MHz)**	5775
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):22 Humidity(%):64

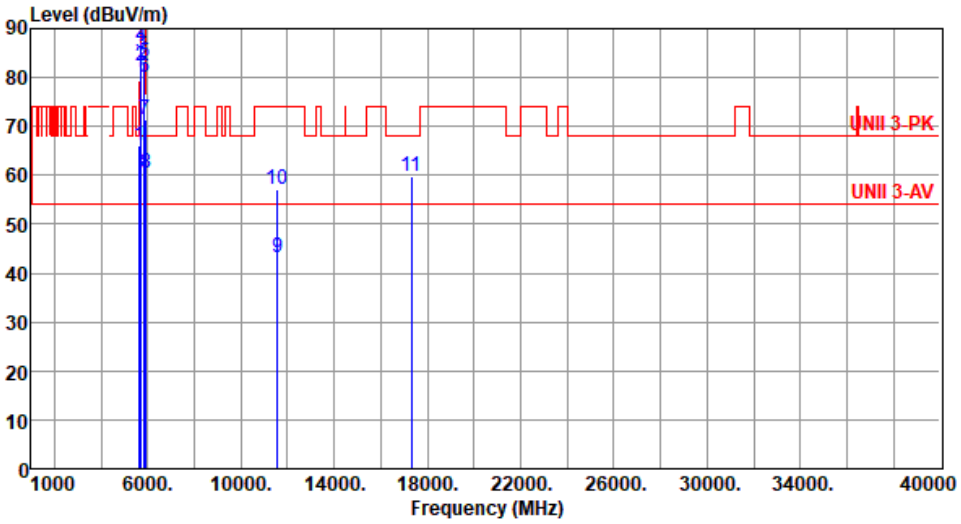


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	66.94	68.20	-1.26	66.70	0.24	Peak	100	46
2	5700.00	84.98	105.20	-20.22	84.51	0.47	Peak	100	46
3	5720.00	87.90	110.80	-22.90	87.33	0.57	Peak	100	46
4	5725.00	88.33	122.20	-33.87	87.74	0.59	Peak	100	46
5	5850.00	85.50	122.20	-36.70	84.62	0.88	Peak	100	46
6	5855.00	82.41	110.80	-28.39	81.50	0.91	Peak	100	46
7	5875.00	73.60	105.20	-31.60	72.60	1.00	Peak	100	46
8	5925.00	61.57	68.20	-6.63	60.38	1.19	Peak	100	46
9	11550.00	43.42	54.00	-10.58	36.32	7.10	Average	100	94
10	11550.00	57.49	74.00	-16.51	50.39	7.10	Peak	100	94
11	17325.00	59.72	68.20	-8.48	53.60	6.12	Peak	100	118

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	be EHT80-OFDMA	**Test Freq. (MHz)**	5775
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):22 Humidity(%):64



	Freq. 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	65.98	68.20	-2.22	65.74	0.24	Peak	105	344
2	5700.00	82.34	105.20	-22.86	81.87	0.47	Peak	105	344
3	5720.00	84.96	110.80	-25.84	84.39	0.57	Peak	105	344
4	5725.00	86.21	122.20	-35.99	85.62	0.59	Peak	105	344
5	5850.00	82.99	122.20	-39.21	82.11	0.88	Peak	105	344
6	5855.00	80.11	110.80	-30.69	79.20	0.91	Peak	105	344
7	5875.00	71.55	105.20	-33.65	70.55	1.00	Peak	105	344
8	5925.00	60.42	68.20	-7.78	59.23	1.19	Peak	105	344
9	11550.00	43.22	54.00	-10.78	36.12	7.10	Average	100	39
10	11550.00	57.25	74.00	-16.75	50.15	7.10	Peak	100	39
11	17325.00	59.63	68.20	-8.57	53.51	6.12	Peak	100	86

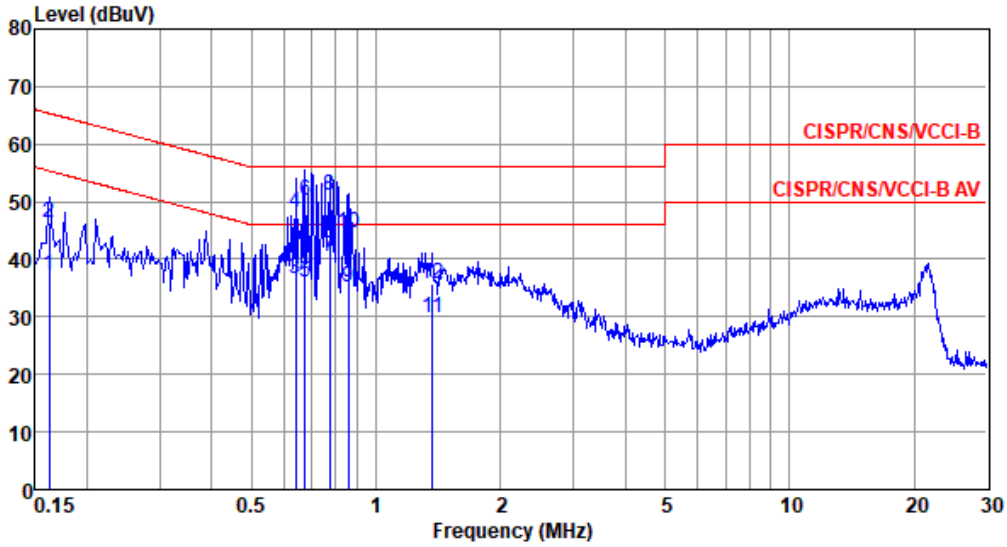
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (ºC)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	-4.23	-4.01	-3.83	-3.85
T20°CVmin	-5.19	-4.72	-5.40	-5.23
T40°CVnom	-6.54	-6.51	-6.72	-6.69
T30°CVnom	-5.96	-5.45	-5.64	-5.90
T20°CVnom	-5.58	-5.54	-5.77	-5.54
T10°CVnom	-1.73	-1.37	-2.02	-2.05
T0°CVnom	-0.19	0.64	0.34	0.01
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 40		Tmin [°C]: 0

Frequency: 5785 MHz	Frequency Drift (ppm			
Temperature (ºC)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	-2.61	-3.16	-2.95	-1.76
T20°CVmin	-2.61	-2.63	-2.51	-2.63
T40°CVnom	-6.19	-6.12	-5.45	-5.45
T30°CVnom	-4.48	-5.01	-5.25	-4.80
T20°CVnom	-2.86	-2.66	-2.20	-2.72
T10°CVnom	-0.68	-0.90	-0.98	-1.27
T0°CVnom	0.93	0.35	0.68	-0.10
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 40		Tmin [°C]: 0

Modulation Mode	be EHT20-OFDMA	**Test Freq. (MHz)**	5240
Power Phase	Line		

Test by : Joe Liao Temperature: 24°C Humidity: 63%

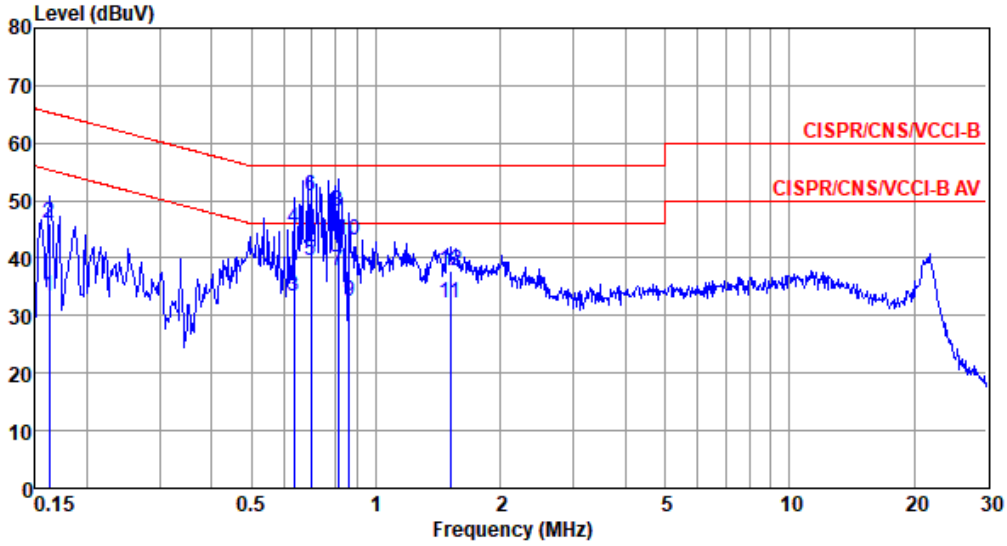


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.162	37.26	55.34	-18.08	27.39	9.63	0.06	0.18	Average
2	0.162	46.49	65.34	-18.85	36.62	9.63	0.06	0.18	QP
3	0.641	36.47	46.00	-9.53	26.43	9.63	0.09	0.32	Average
4	0.641	48.17	56.00	-7.83	38.13	9.63	0.09	0.32	QP
5	0.672	35.90	46.00	-10.10	25.86	9.63	0.09	0.32	Average
6	0.672	50.11	56.00	-5.89	40.07	9.63	0.09	0.32	QP
7	0.771	40.39	46.00	-5.61	30.34	9.63	0.10	0.32	Average
8*	0.771	51.13	56.00	-4.87	41.08	9.63	0.10	0.32	QP
9	0.857	35.08	46.00	-10.92	25.03	9.63	0.10	0.32	Average
10	0.857	44.59	56.00	-11.41	34.54	9.63	0.10	0.32	QP
11	1.367	29.92	46.00	-16.08	19.83	9.63	0.12	0.34	Average
12	1.367	35.74	56.00	-20.26	25.65	9.63	0.12	0.34	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 Mode	be EHT20-OFDMA	Test Freq. (MHz)	5240
Power Phase	Neutral		

Test by : Joe Liao Temperature: 24°C Humidity: 63%

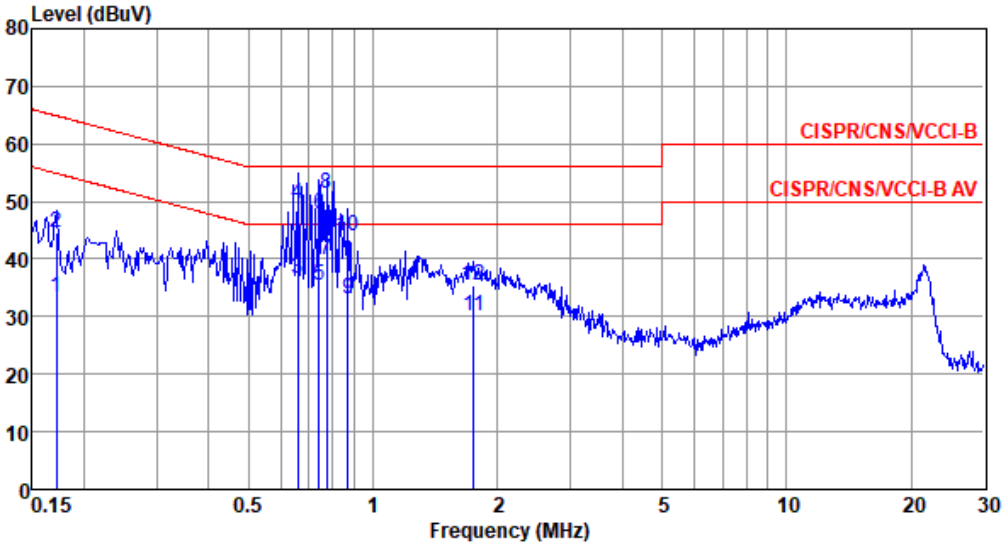


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.162	33.29	55.34	-22.05	23.42	9.63	0.06	0.18	Average
2	0.162	46.15	65.34	-19.19	36.28	9.63	0.06	0.18	QP
3	0.634	33.33	46.00	-12.67	23.29	9.63	0.09	0.32	Average
4	0.634	45.06	56.00	-10.94	35.02	9.63	0.09	0.32	QP
5	0.697	39.57	46.00	-6.43	29.53	9.63	0.09	0.32	Average
6*	0.697	50.69	56.00	-5.31	40.65	9.63	0.09	0.32	QP
7	0.809	37.93	46.00	-8.07	27.88	9.63	0.10	0.32	Average
8	0.809	48.05	56.00	-7.95	38.00	9.63	0.10	0.32	QP
9	0.862	32.41	46.00	-13.59	22.35	9.63	0.10	0.33	Average
10	0.862	42.96	56.00	-13.04	32.90	9.63	0.10	0.33	QP
11	1.511	32.19	46.00	-13.81	22.08	9.64	0.12	0.35	Average
12	1.511	37.81	56.00	-18.19	27.70	9.64	0.12	0.35	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 Mode	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Power Phase	Line		

Test by : Joe Liao Temperature: 24°C Humidity: 63%

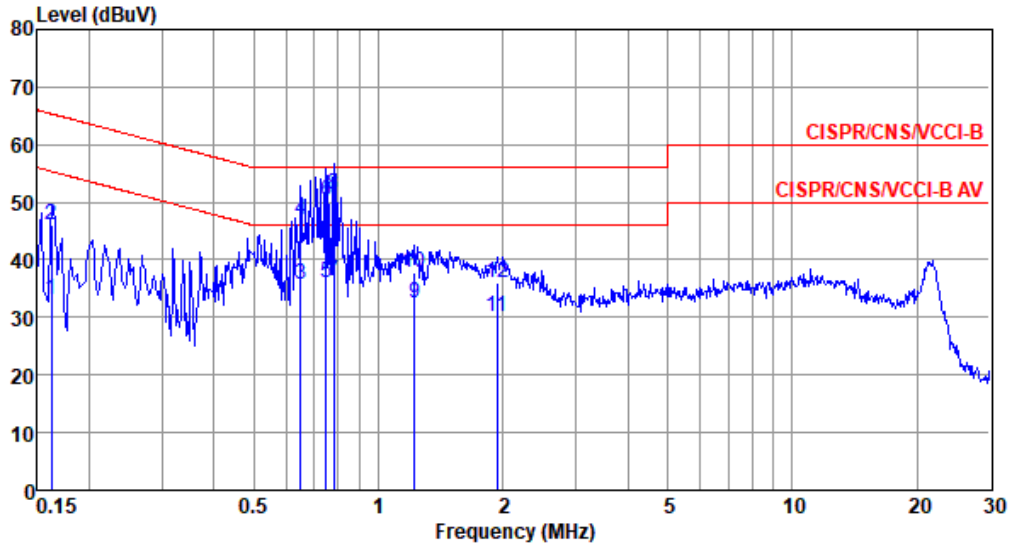


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.171	33.36	54.90	-21.54	23.49	9.63	0.06	0.18	Average
2	0.171	44.67	64.90	-20.23	34.80	9.63	0.06	0.18	QP
3	0.658	36.57	46.00	-9.43	26.53	9.63	0.09	0.32	Average
4	0.658	49.56	56.00	-6.44	39.52	9.63	0.09	0.32	QP
5	0.739	35.50	46.00	-10.50	25.46	9.63	0.09	0.32	Average
6	0.739	47.80	56.00	-8.20	37.76	9.63	0.09	0.32	QP
7	0.771	39.87	46.00	-6.13	29.82	9.63	0.10	0.32	Average
8*	0.771	51.34	56.00	-4.66	41.29	9.63	0.10	0.32	QP
9	0.871	33.12	46.00	-12.88	23.06	9.63	0.10	0.33	Average
10	0.871	44.07	56.00	-11.93	34.01	9.63	0.10	0.33	QP
11	1.753	29.97	46.00	-16.03	19.86	9.63	0.13	0.35	Average
12	1.753	35.50	56.00	-20.50	25.39	9.63	0.13	0.35	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 Mode	be EHT20-OFDMA	**Test Freq. (MHz)**	5745
Power Phase	Neutral		

Test by : Joe Liao Temperature: 24°C Humidity: 63%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.162	33.07	55.34	-22.27	23.20	9.63	0.06	0.18	Average
2	0.162	46.11	65.34	-19.23	36.24	9.63	0.06	0.18	QP
3	0.647	35.80	46.00	-10.20	25.76	9.63	0.09	0.32	Average
4	0.647	47.06	56.00	-8.94	37.02	9.63	0.09	0.32	QP
5	0.747	35.97	46.00	-10.03	25.93	9.63	0.09	0.32	Average
6	0.747	50.18	56.00	-5.82	40.14	9.63	0.09	0.32	QP
7	0.779	36.41	46.00	-9.59	26.36	9.63	0.10	0.32	Average
8*	0.779	51.25	56.00	-4.75	41.20	9.63	0.10	0.32	QP
9	1.223	32.58	46.00	-13.42	22.49	9.63	0.12	0.34	Average
10	1.223	37.93	56.00	-18.07	27.84	9.63	0.12	0.34	QP
11	1.939	30.23	46.00	-15.77	20.10	9.64	0.13	0.36	Average
12	1.939	35.94	56.00	-20.06	25.81	9.64	0.13	0.36	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).