

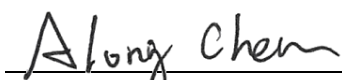
FCC Test Report

FCC ID : MXF-W1700K
Equipment : Wi-Fi 7 Router
Model No. : W1700K
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 : Jul. 18 ~ Aug. 14, 2023

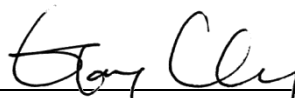
We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the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

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

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Appendix A. Emission Bandwidth

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Release Record

Report No.	Version	Description	Issued Date
FR362704AN	Rev. 01	Initial issue	Sep. 19, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.255MHz 41.80 (Margin -9.80dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]:17355.00MHz 68.09 (Margin -0.11dB) - 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: 29.43 5725-5850MHz: 29.71 Beamforming mode 5150-5250MHz: 29.32 5725-5850MHz: 29.43	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	WAPE-269BE_Dual_Ant1	PIFA	UFL	1.13	2.45	1.32
2	Gemtek	WAPE-269BE_Dual_Ant2	PIFA	UFL	1.49	3.28	1.57
3	Gemtek	WAPE-269BE_Dual_Ant3	PIFA	UFL	1.67	3.66	2.9
4	Gemtek	WAPE-269BE_Dual_Ant4	PIFA	UFL	1.69	2.9	3.6

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from AC adapter
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1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: LUCENT TRANS ELECTRONICS CO., LTD. Model: 1A98-LJHL I/P: 100-120V~1.6A, 50-60Hz O/P: 12V=5.0A, 60.0W Power Line: 1.8m non-shielded without core
2	AC adapter	Brand: LEI Model: ML60-4120500-A1 I/P: 120V~60Hz, 1.5A O/P: 12V=5.0A Power Line: 1.8m non-shielded without core
3	RJ45	Brand: Tung Li Line: 1.8m non-shielded without core
4	RJ45	Brand: RAPID CONN Line: 1.8m non-shielded without core
5	Fan	Brand: SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD Model: MF70151V1-1C010-S99
6	Fan	Brand: Yingfan Model: DB701512HMS4B01F25

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	98.48%	0.07
	be EHT20-OFDMA	99.28%	0.03
	be EHT40-OFDMA	99.01%	0.04
	be EHT80-OFDMA	95.15%	0.22

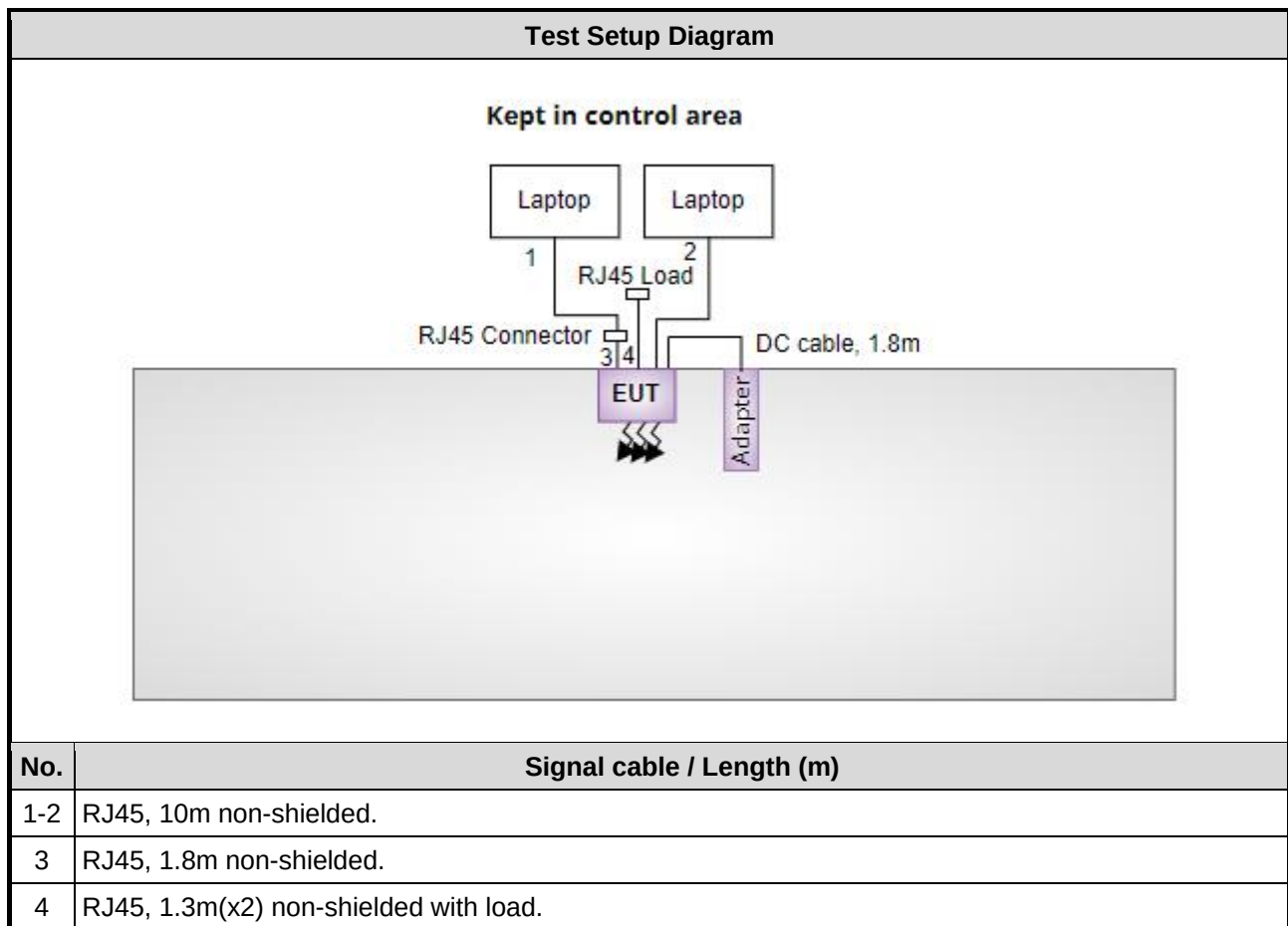
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index	
		Non-Beamforming	Beamforming
11a	5180	20	---
11a	5200	20.5	---
11a	5240	20	---
11a	5745	20.5	---
11a	5785	17.5	---
11a	5825	19.5	---
be EHT20-OFDMA	5180	20	40
be EHT20-OFDMA	5200	21	42
be EHT20-OFDMA	5240	21	42
be EHT20-OFDMA	5745	20.5	41
be EHT20-OFDMA	5785	17.5	36
be EHT20-OFDMA	5825	19.5	43
be EHT40-OFDMA	5190	18	35
be EHT40-OFDMA	5230	20.5	40
be EHT40-OFDMA	5755	20.5	41
be EHT40-OFDMA	5795	20.5	41
be EHT80-OFDMA	5210	17.5	35
be EHT80-OFDMA	5775	19.5	39

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	RJ45 Load	ICC	--	--	---
2	RJ45 Connector	ICC	RJ45 Connector	--	---
3	Laptop	DELL	Latitude 5400	DoC	---
4	Laptop	DELL	Latitude E5470	DoC	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Aug. 10, 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	Radiated Emission below 1GHz				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 02, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
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
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2023	Jun. 27, 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-N W-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 04, 2022	Oct. 03, 2023
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission above 1GHz				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Jul. 18 ~ Aug. 08, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
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	EMC118A45SE	980898	Jul. 14, 2023	Jul. 13, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
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 7-18G	K&L	11SH10-7000/T1800 0-O/OP	18	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.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Aug. 01 ~ Aug. 14, 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	V5.10	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407

ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 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 ≤ 1 GHz	± 3.41 dB
Unwanted Emission > 1 GHz	± 4.59 dB
Time	$\pm 0.1\%$
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	11a	5180 / 5200 / 5240	6 Mbps	---
Conducted Output Power	be EHT20-OFDMA	5180 / 5200 / 5240	MCS 0	
Emission Bandwidth	be EHT40-OFDMA	5190 / 5230	MCS 0	
Power Spectral Density	be EHT80-OFDMA	5210	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	11a	5745	6 Mbps	---
Unwanted Emissions ≤1GHz	11a	5745	6 Mbps	---
Unwanted Emissions >1GHz	11a	5745 / 5785 / 5825	6 Mbps	---
Conducted Output Power	be EHT20-OFDMA	5745 / 5785 / 5825	MCS 0	
Emission Bandwidth	be EHT40-OFDMA	5755 / 5795	MCS 0	
Power Spectral Density	be EHT80-OFDMA	5775	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:				
- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report. - Two adapters (LUCENT TRANS ELECTRONICS CO., LTD and LEI) had been covered during the pretest, and found that LEI adapter was the worst case of AC Power line conducted emission test item and LUCENT TRANS ELECTRONICS CO., LTD adapter was the worst case of Unwanted Emission test item. - Two RJ45 cable (Tung Li and RAPID CONN) had been covered during the pretest, and found that Tung Li adapter was the worst case and was selected for final test. - Two Fan (SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD and Yingfan) had been covered during the pretest, and found that Yingfan was the worst case and was selected for final test. - 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.

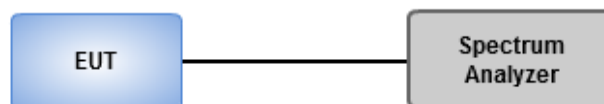
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW $\geq$ 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	23-26°C / 66-68%	Tested By	Roger Lu
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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

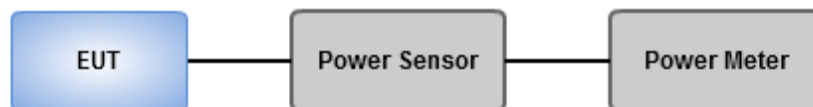
Frequency Band (MHz)	Limit
☒ 5725 ~ 5850	Conducted Power: 1 W
Note: "B" is the 26dB emission bandwidth in MHz.	

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	23-26°C / 66-68%	Tested By	Roger Lu
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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 $\geq 98\%$

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 $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
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

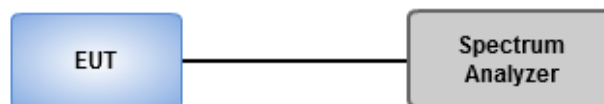
Duty cycle $\geq 98\%$

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 $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
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	23-26°C / 66-68%	Tested By	Roger Lu
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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

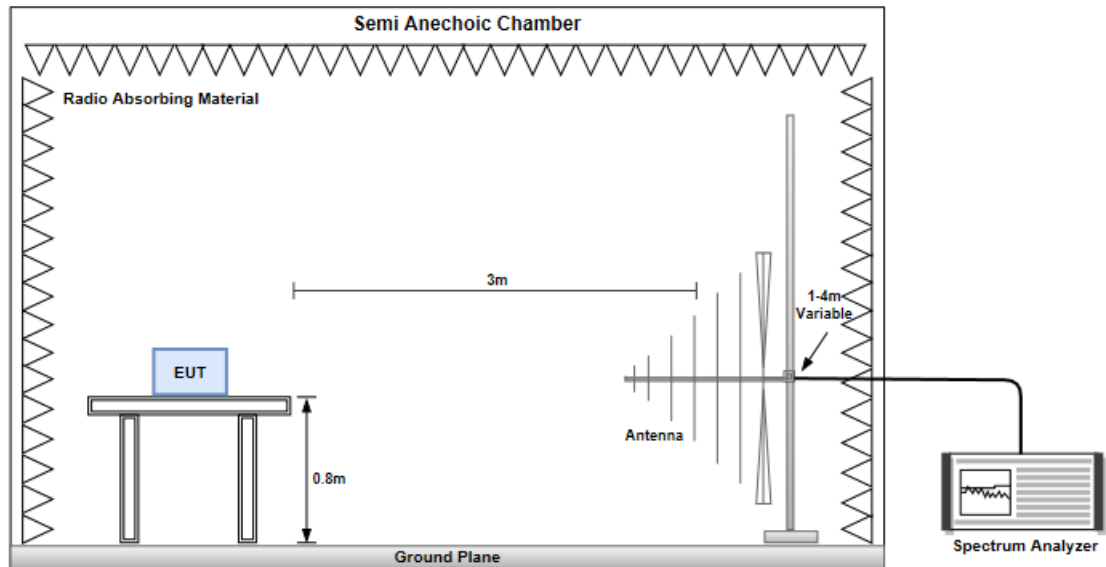
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

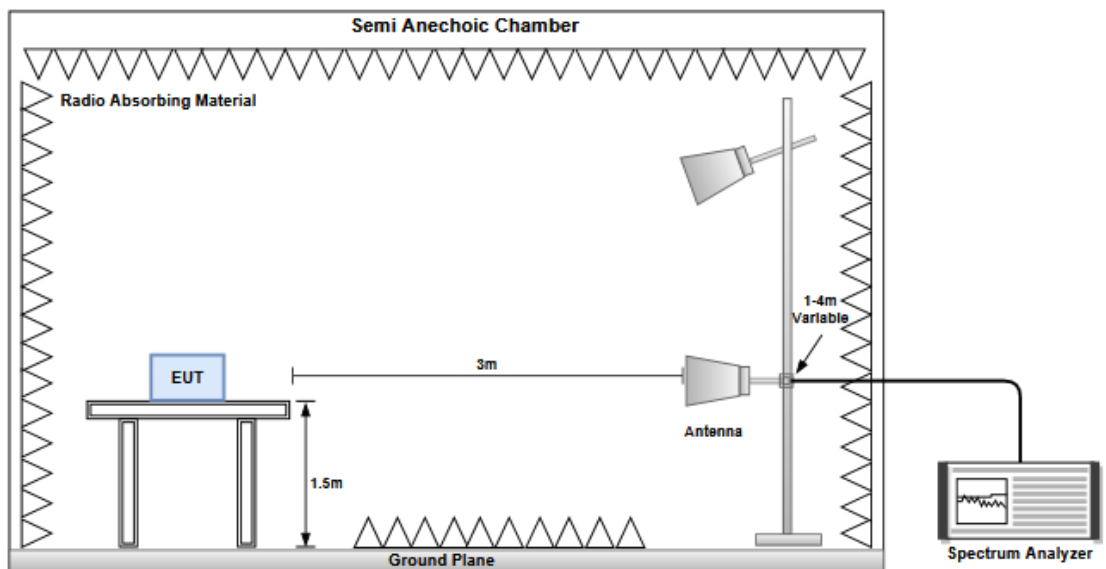
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

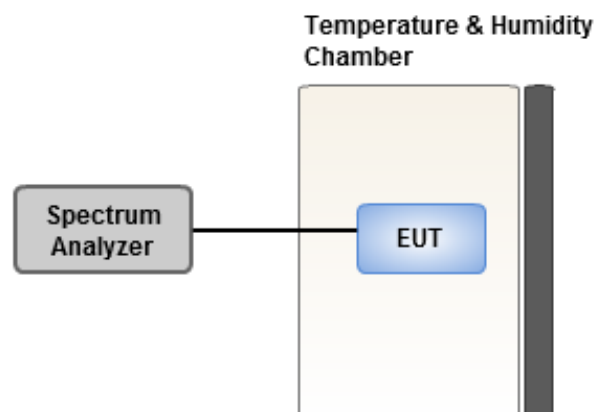
3.5.1 Limit of Frequency Stability

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	23-26°C / 66-68%	Tested By	Roger Lu
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Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

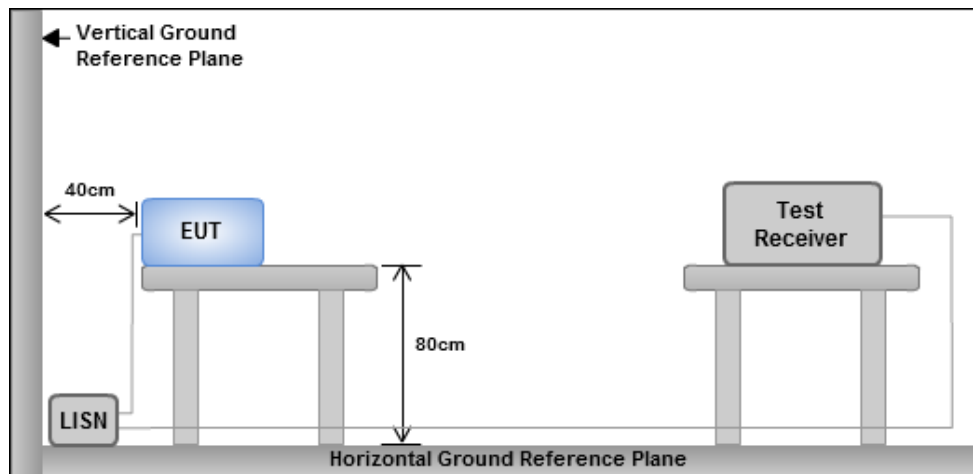
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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	32.076M	16.571M	16M6D1D	18.612M	16.333M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	27.588M	18.981M	19M0D1D	19.8M	18.831M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	47.388M	37.661M	37M7D1D	39.072M	37.361M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	88.704M	76.882M	76M9D1D	80.784M	76.282M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.368M	19.922M	19M9D1D	16.302M	16.413M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	19.008M	20.54M	20M5D1D	18.414M	18.891M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	36.432M	38.321M	38M3D1D	31.812M	37.781M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	73.656M	77.361M	77M4D1D	55.44M	77.001M

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	28.05M	16.545M	27.06M	16.545M	31.548M	16.545M	20.064M	16.333M
5200MHz	Pass	Inf	26.664M	16.571M	32.076M	16.571M	25.476M	16.545M	27.918M	16.571M
5240MHz	Pass	Inf	19.272M	16.439M	18.876M	16.439M	18.612M	16.413M	19.206M	16.36M
5745MHz	Pass	500k	16.368M	16.835M	16.368M	16.94M	16.368M	17.019M	16.302M	16.993M
5785MHz	Pass	500k	16.368M	16.439M	16.368M	16.413M	16.368M	16.413M	16.368M	16.413M
5825MHz	Pass	500k	16.368M	18.444M	16.368M	19.922M	16.368M	18.286M	16.368M	18.919M
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.948M	18.951M	26.928M	18.951M	27.588M	18.951M	22.704M	18.861M
5200MHz	Pass	Inf	23.43M	18.951M	24.75M	18.951M	24.024M	18.981M	20.658M	18.831M
5240MHz	Pass	Inf	19.866M	18.921M	19.998M	18.921M	19.8M	18.921M	19.8M	18.891M
5745MHz	Pass	500k	19.008M	19.13M	19.008M	19.07M	19.008M	19.07M	18.876M	19.1M
5785MHz	Pass	500k	18.942M	18.891M	19.008M	18.891M	18.876M	18.921M	18.942M	18.921M
5825MHz	Pass	500k	18.876M	19.16M	18.414M	20.54M	19.008M	19.22M	19.008M	19.25M
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.072M	37.541M	39.336M	37.481M	39.204M	37.541M	47.388M	37.661M
5230MHz	Pass	Inf	39.468M	37.421M	39.072M	37.541M	39.072M	37.421M	39.072M	37.361M
5755MHz	Pass	500k	35.376M	37.781M	34.98M	37.841M	35.112M	37.841M	36.432M	37.781M
5795MHz	Pass	500k	31.812M	38.321M	33.792M	38.021M	35.244M	38.081M	32.076M	38.081M
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.312M	76.882M	83.424M	76.882M	88.704M	76.882M	80.784M	76.282M
5775MHz	Pass	500k	73.656M	77.361M	66.264M	77.121M	68.64M	77.121M	55.44M	77.001M

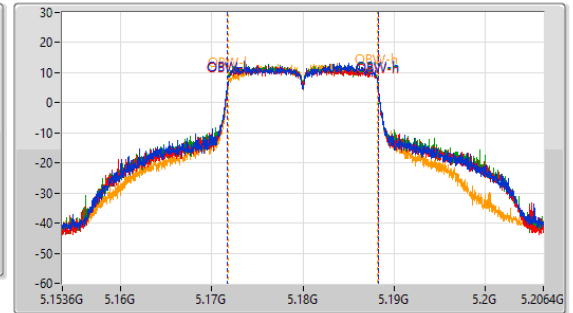
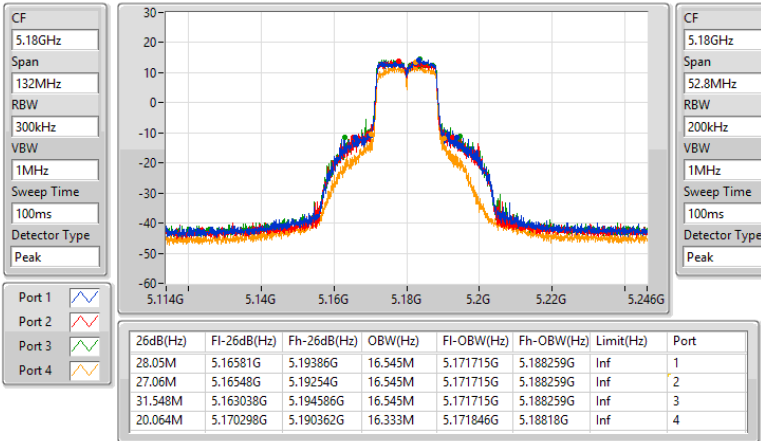
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

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

EBW

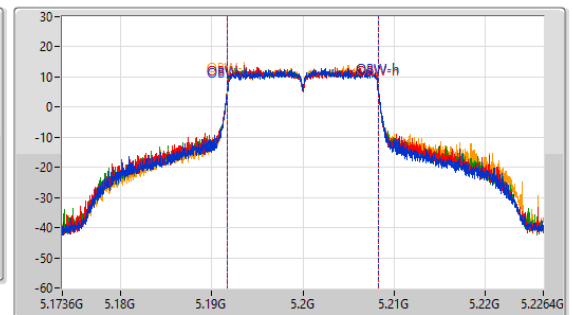
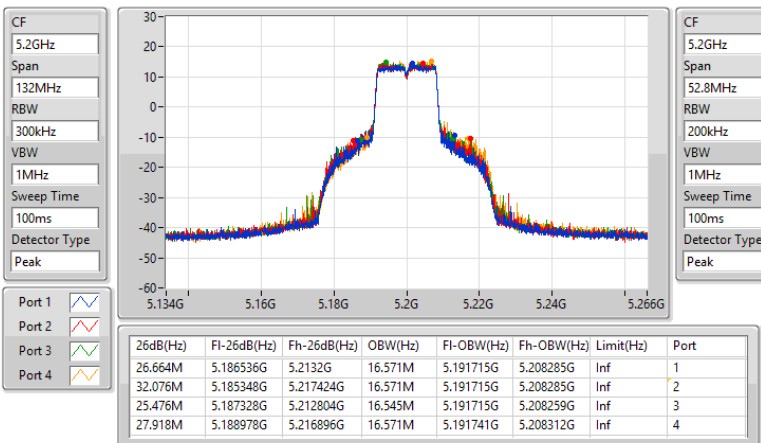
5180MHz



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

EBW

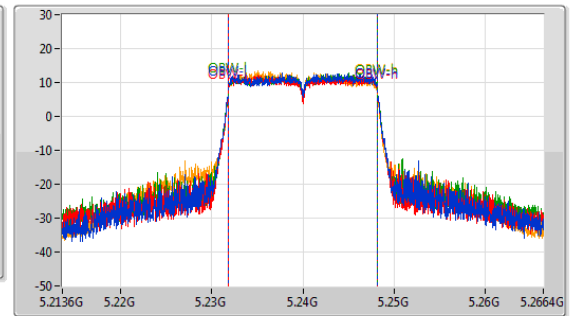
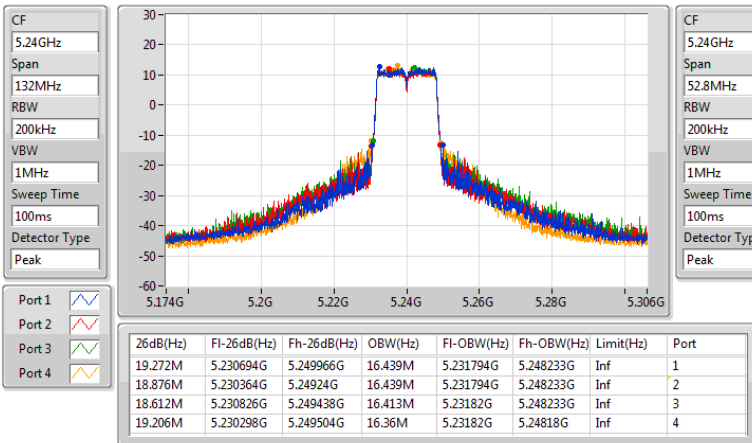
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

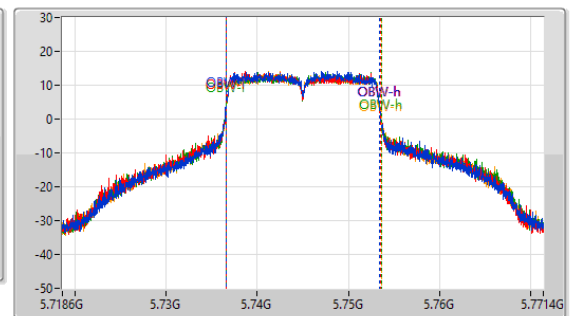
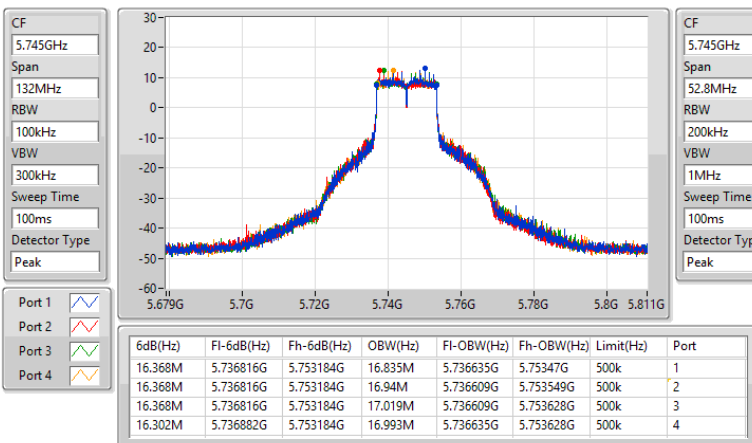
5240MHz



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

EBW

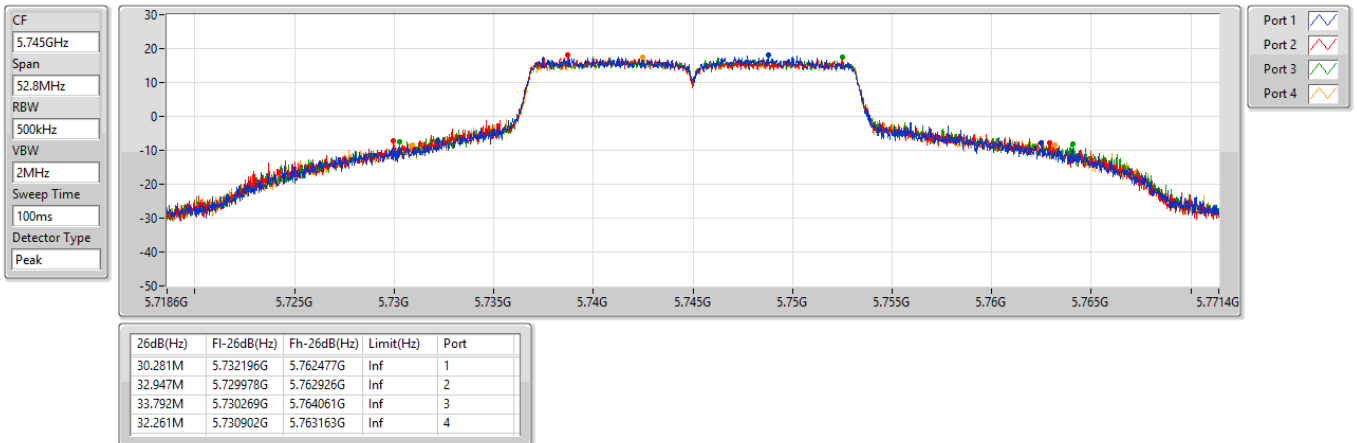
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5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

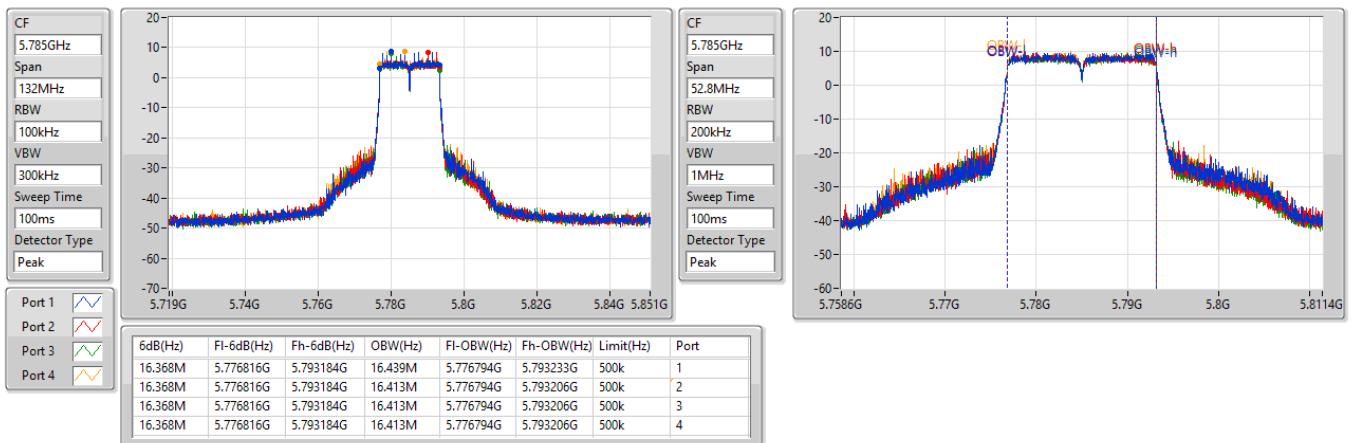
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5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

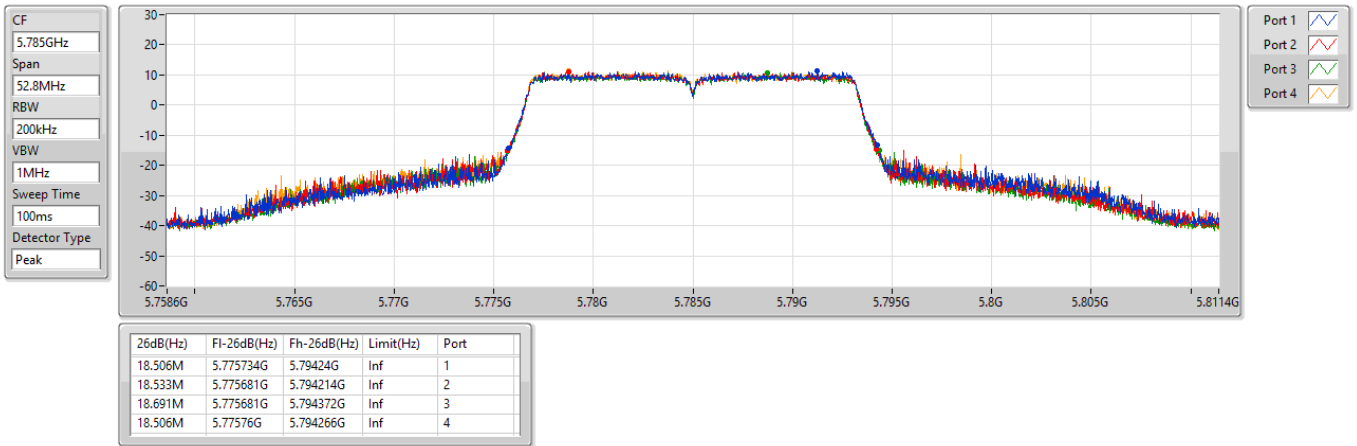
5785MHz



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

EBW

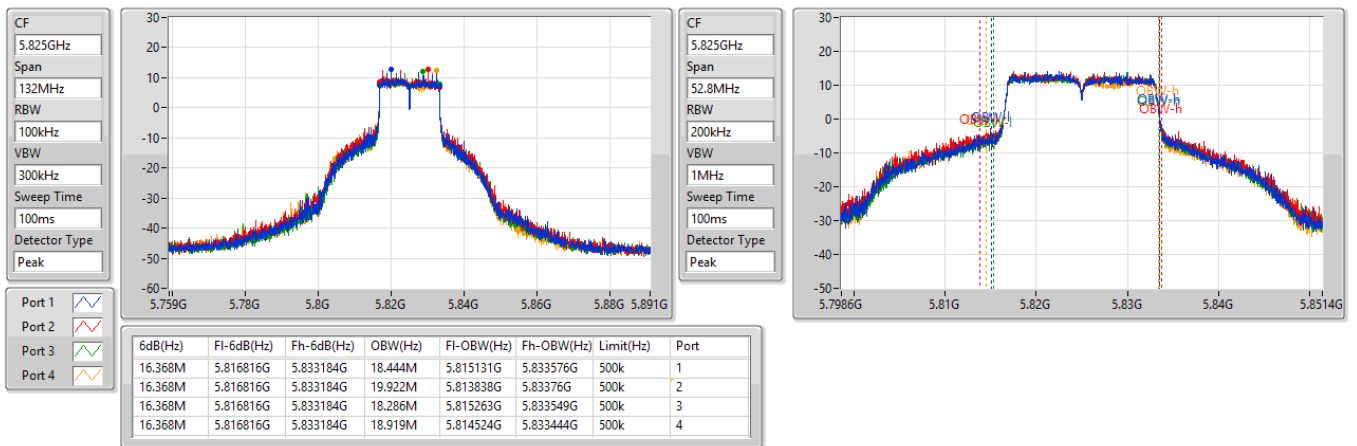
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5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

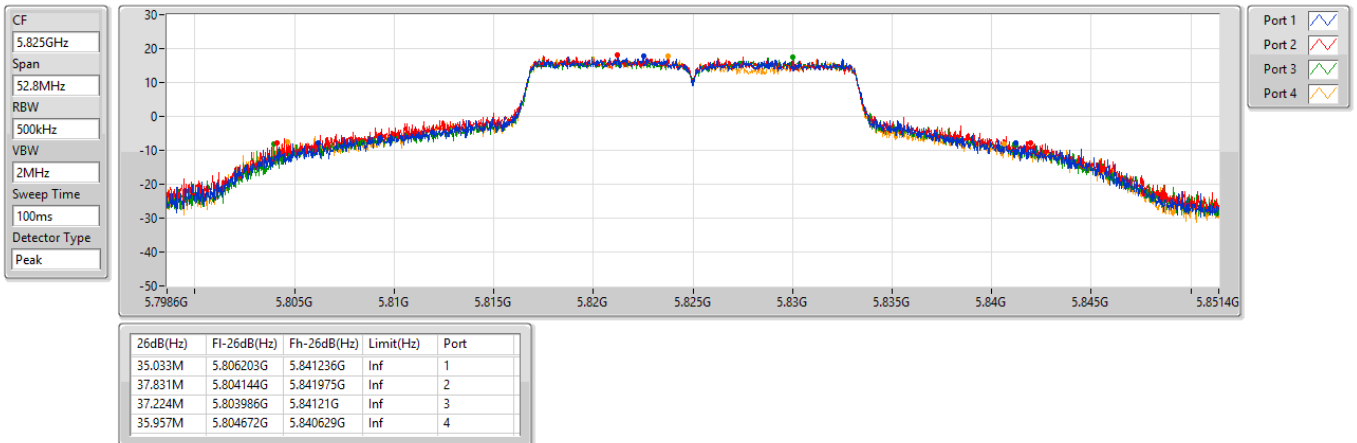
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5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

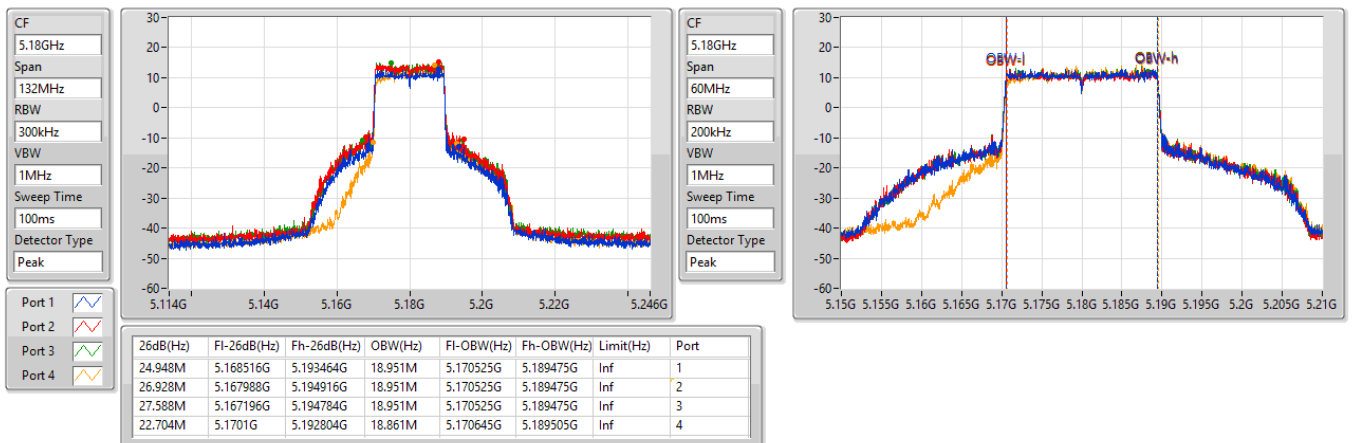
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5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

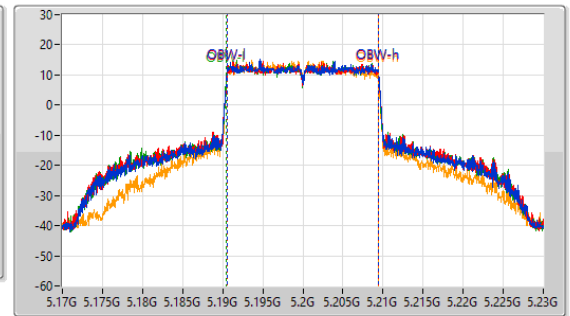
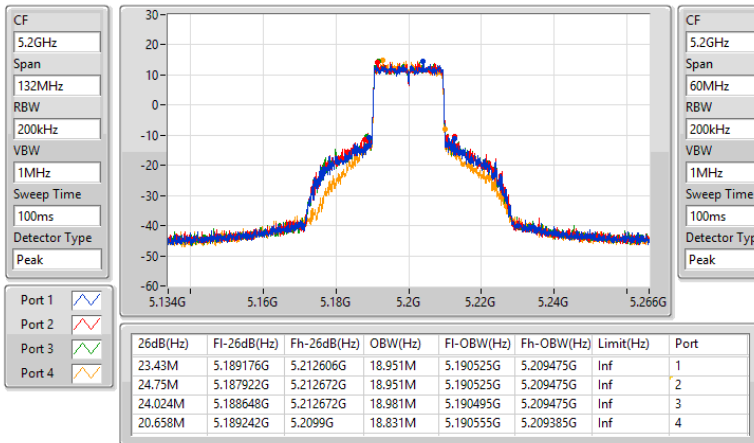




5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

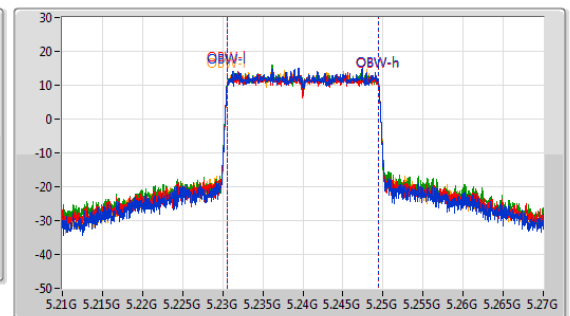
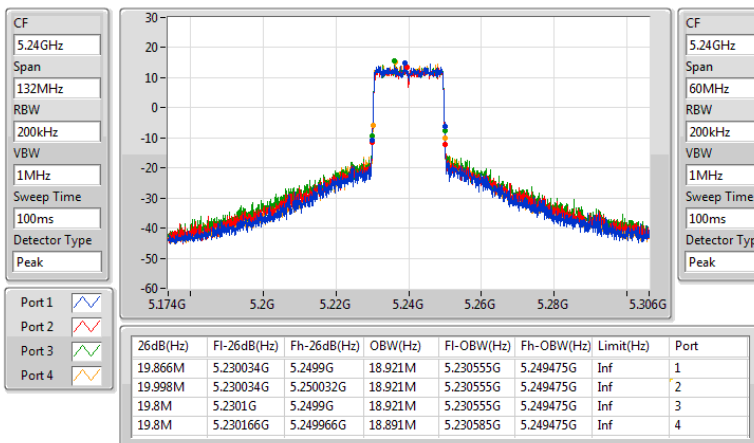
5200MHz



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

EBW

5240MHz

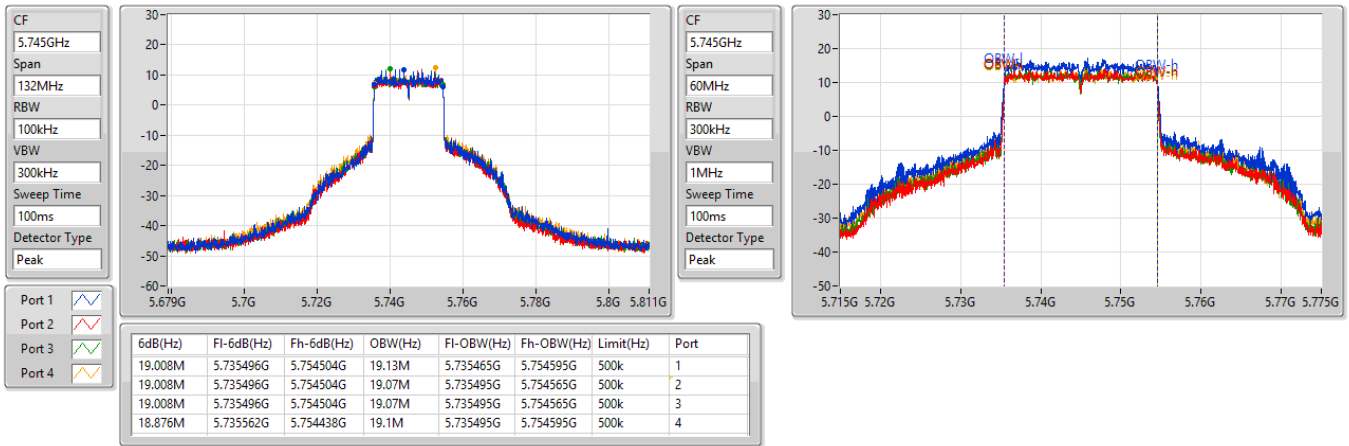




5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

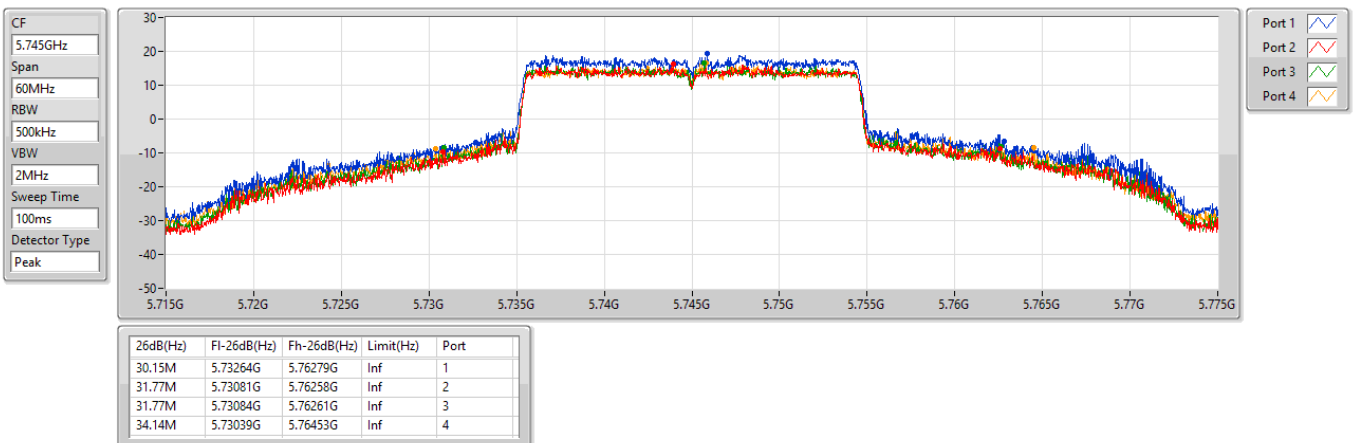
5745MHz



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

EBW

5745MHz

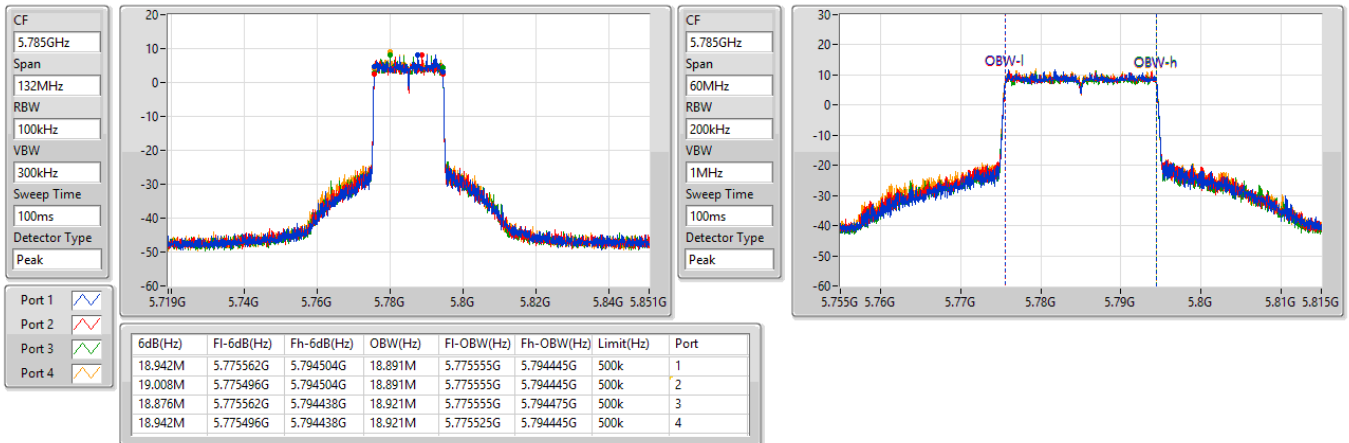




5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

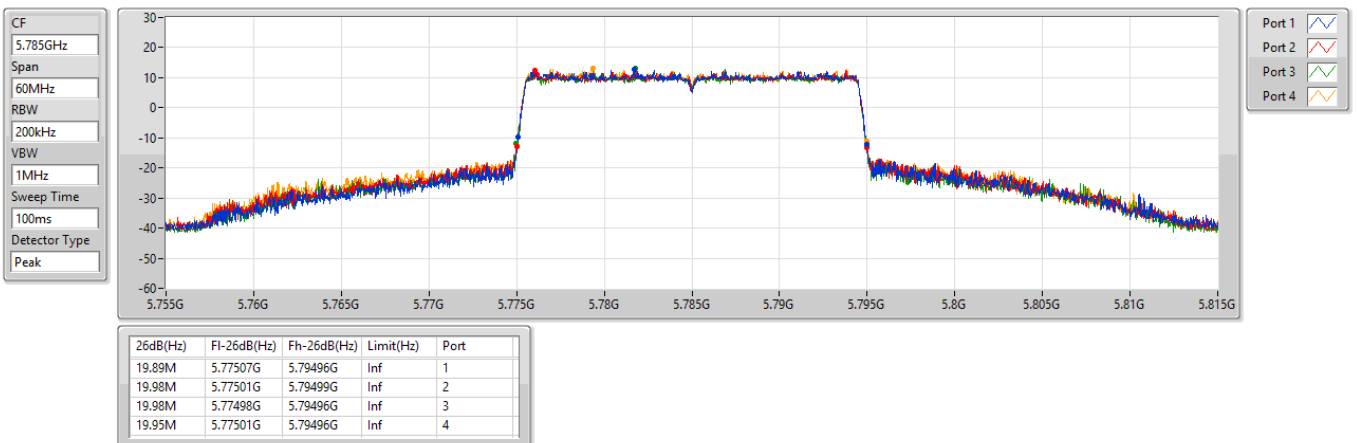
5785MHz



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

EBW

5785MHz

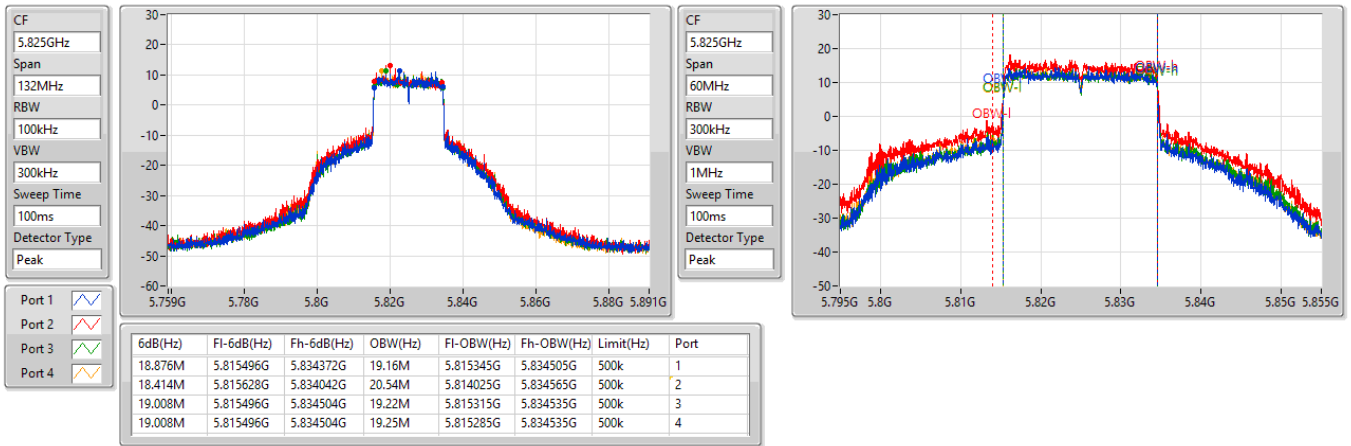




5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

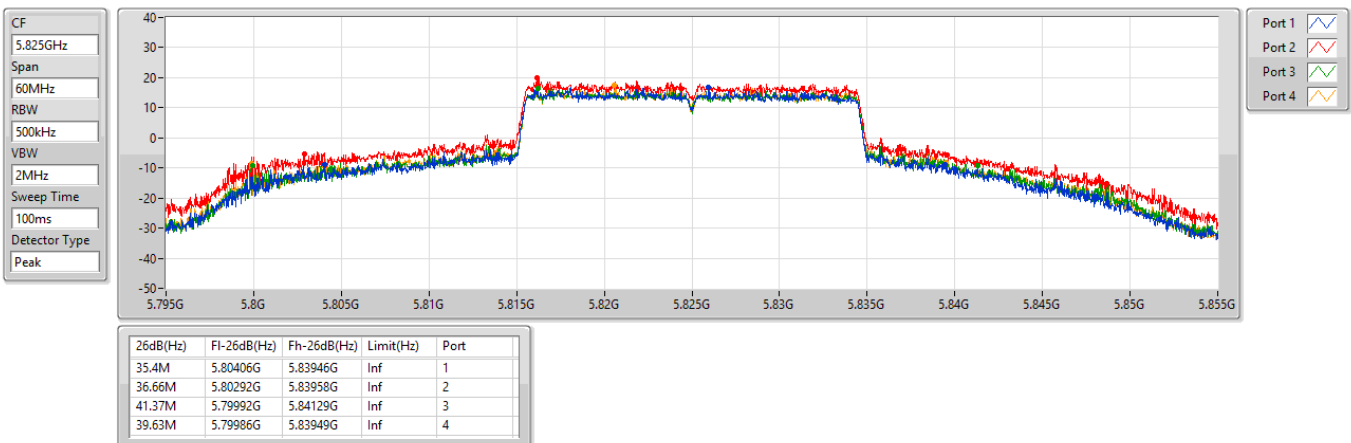
5825MHz



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

EBW

5825MHz

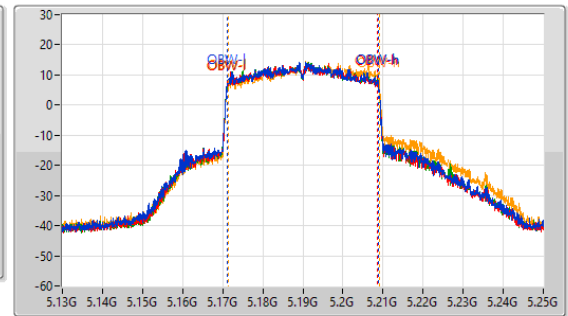
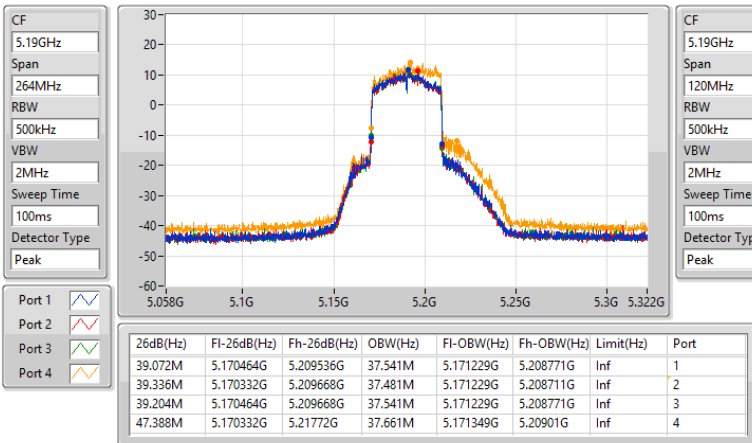




5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

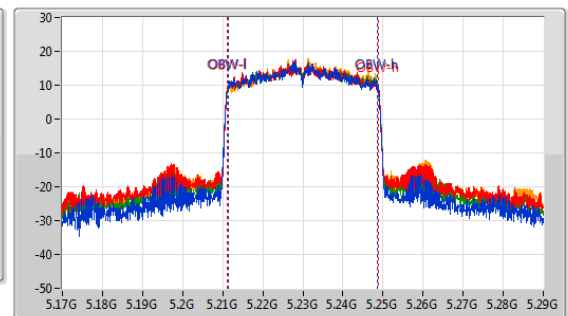
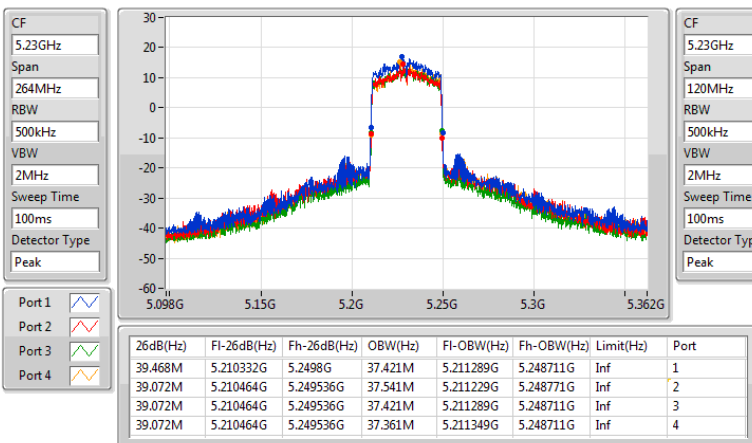
5190MHz



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

EBW

5230MHz

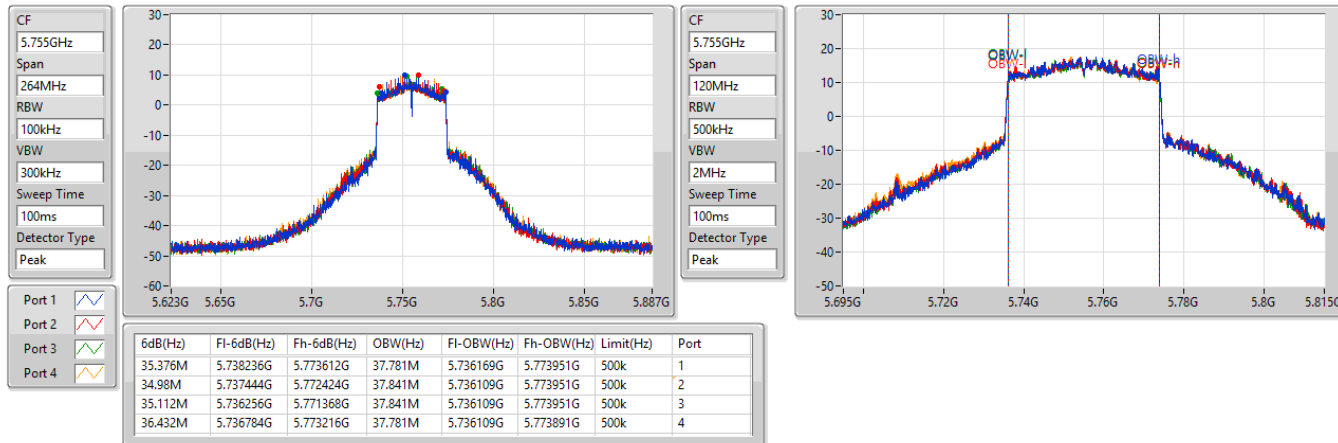




5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

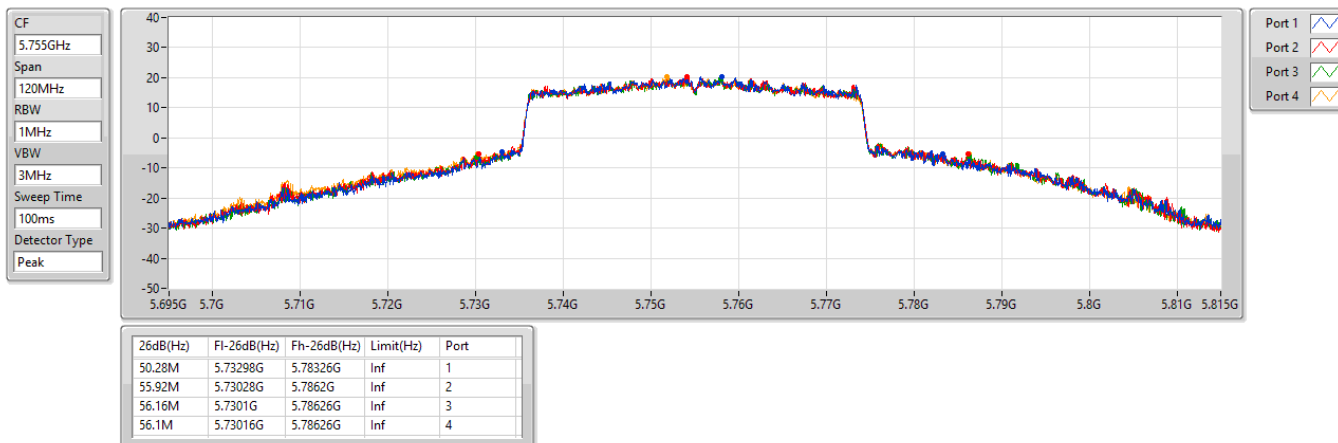
5755MHz



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

EBW

5755MHz

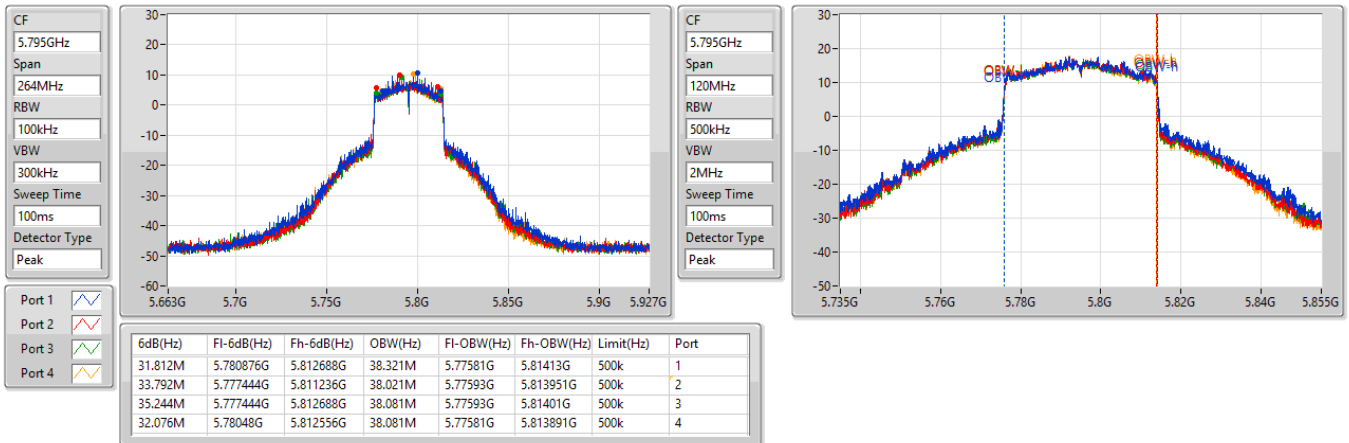




5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

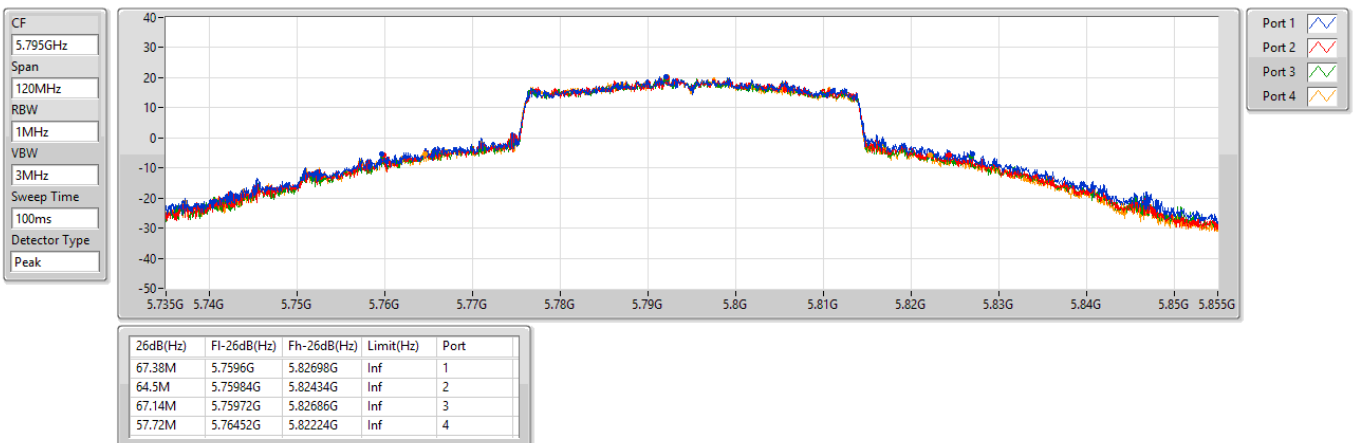
5795MHz



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

EBW

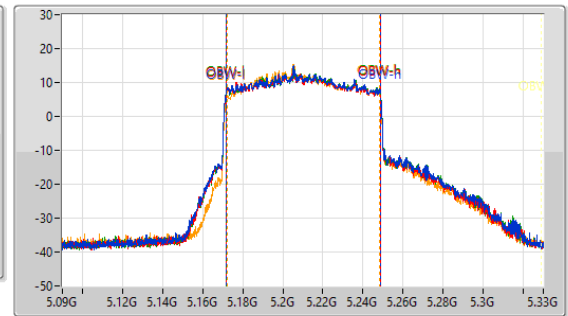
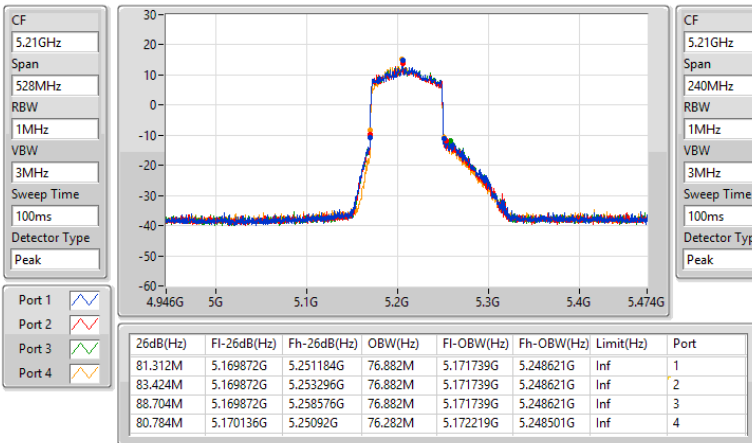
5795MHz



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

EBW

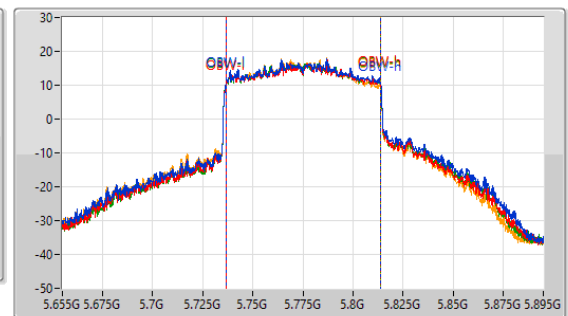
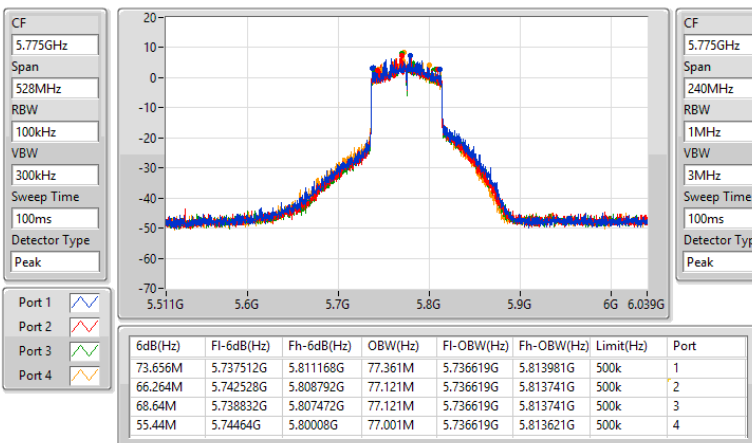
5210MHz



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

EBW

5775MHz



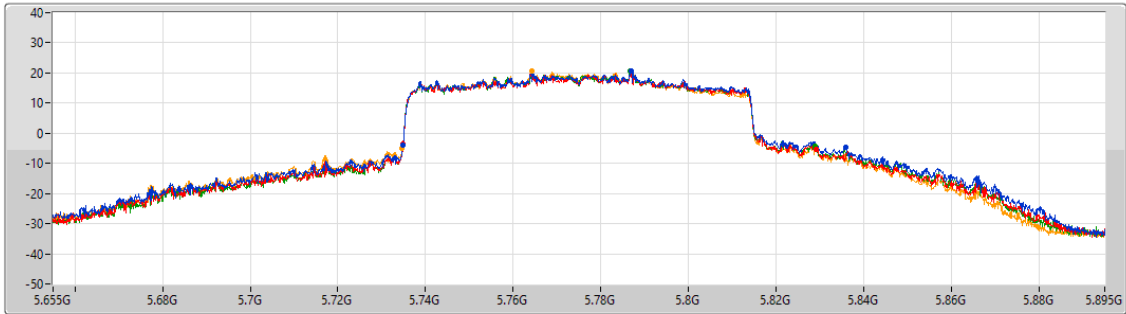


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

CF
5.775GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
100.92M	5.73492G	5.83584G	Inf	1
94.32M	5.73492G	5.82924G	Inf	2
93.96M	5.73492G	5.82888G	Inf	3
94.56M	5.73468G	5.82924G	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	29.09	0.81096	32.75	1.88365
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	29.43	0.87700	33.09	2.03704
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	28.61	0.72611	32.27	1.68655
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	25.22	0.33266	28.88	0.77268
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.71	0.93541	33.31	2.14289
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	29.57	0.90573	33.17	2.07491
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	29.62	0.91622	33.22	2.09894
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	28.18	0.65766	31.78	1.50661

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	3.66	22.47	22.39	22.66	22.82	28.61	30.00	32.27	36.00
5200MHz	Pass	3.66	22.88	22.85	23.15	23.37	29.09	30.00	32.75	36.00
5240MHz	Pass	3.66	22.85	22.51	22.83	23.02	28.83	30.00	32.49	36.00
5745MHz	Pass	3.60	23.72	23.77	23.63	23.64	29.71	30.00	33.31	36.00
5785MHz	Pass	3.60	21.1	21.06	20.83	21.01	27.02	30.00	30.62	36.00
5825MHz	Pass	3.60	23.77	23.73	23.28	23.52	29.60	30.00	33.20	36.00
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	3.66	22.26	22.56	22.22	22.35	28.37	30.00	32.03	36.00
5200MHz	Pass	3.66	22.87	23.02	23.26	23.51	29.19	30.00	32.85	36.00
5240MHz	Pass	3.66	23.29	23.18	23.62	23.53	29.43	30.00	33.09	36.00
5745MHz	Pass	3.60	23.62	23.73	23.36	23.49	29.57	30.00	33.17	36.00
5785MHz	Pass	3.60	21.16	21.11	20.9	21.08	27.08	30.00	30.68	36.00
5825MHz	Pass	3.60	23.42	23.71	23.26	23.48	29.49	30.00	33.09	36.00
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	3.66	20.25	20.05	20.24	20.15	26.19	30.00	29.85	36.00
5230MHz	Pass	3.66	22.57	22.56	22.42	22.81	28.61	30.00	32.27	36.00
5755MHz	Pass	3.60	23.52	23.74	23.53	23.62	29.62	30.00	33.22	36.00
5795MHz	Pass	3.60	23.69	23.48	23.25	23.86	29.60	30.00	33.20	36.00
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	3.66	19.24	19.08	19.2	19.26	25.22	30.00	28.88	36.00
5775MHz	Pass	3.60	21.99	22.34	22.07	22.24	28.18	30.00	31.78	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	29.32	0.85507	35.92	3.90841
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	28.29	0.67453	34.89	3.08319
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	25.16	0.32810	31.76	1.49968
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX-OFDMA	29.43	0.87700	34.89	3.08319
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	29.32	0.85507	34.78	3.00608
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	28.01	0.63241	33.47	2.22331

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	6.60	22.45	22.23	21.89	22.17	28.21	29.40	34.81	36.00
5200MHz	Pass	6.60	22.88	22.91	23.42	23.32	29.16	29.40	35.76	36.00
5240MHz	Pass	6.60	22.95	22.71	23.98	23.44	29.32	29.40	35.92	36.00
5745MHz	Pass	5.46	23.64	23.25	23.7	23.03	29.43	30.00	34.89	36.00
5785MHz	Pass	5.46	21.31	20.53	21.22	20.85	27.01	30.00	32.47	36.00
5825MHz	Pass	5.46	23.32	22.73	23.38	23.02	29.14	30.00	34.60	36.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.60	19.37	19.98	19.84	19.82	25.78	29.40	32.38	36.00
5230MHz	Pass	6.60	22.21	21.86	22.98	21.95	28.29	29.40	34.89	36.00
5755MHz	Pass	5.46	23.75	23.16	23.08	23.16	29.32	30.00	34.78	36.00
5795MHz	Pass	5.46	23.39	23.26	23.03	22.95	29.18	30.00	34.64	36.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.60	19.23	19.02	19.19	19.12	25.16	29.40	31.76	36.00
5775MHz	Pass	5.46	22.15	21.78	22.05	21.95	28.01	30.00	33.47	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	16.24	22.84
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	16.00	22.60
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	13.89	20.49
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	7.75	14.35
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.58	21.04
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA	15.07	20.53
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA	13.39	18.85
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA	10.32	15.78

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	6.60	9.81	9.62	10.07	11.90	16.11	16.40	22.71	23.00
5200MHz	Pass	6.60	10.84	10.10	10.37	11.15	16.24	16.40	22.84	23.00
5240MHz	Pass	6.60	10.22	9.84	10.06	10.25	15.88	16.40	22.48	23.00
5745MHz	Pass	5.46	10.17	9.90	9.50	9.94	15.55	30.00	21.01	36.00
5785MHz	Pass	5.46	6.01	6.01	5.62	6.20	11.69	30.00	17.15	36.00
5825MHz	Pass	5.46	9.61	9.94	9.36	9.92	15.58	30.00	21.04	36.00
802.11be EHT20_Nss1,(MCS0)_4TX-OFDMA										
5180MHz	Pass	6.60	9.20	9.02	9.20	9.88	15.01	16.40	21.61	23.00
5200MHz	Pass	6.60	10.11	10.27	10.22	10.94	16.00	16.40	22.60	23.00
5240MHz	Pass	6.60	10.11	9.86	10.35	10.60	15.96	16.40	22.56	23.00
5745MHz	Pass	5.46	9.24	8.79	9.09	9.36	14.80	30.00	20.26	36.00
5785MHz	Pass	5.46	5.63	5.60	5.28	6.07	11.35	30.00	16.81	36.00
5825MHz	Pass	5.46	9.13	9.54	9.02	9.43	15.07	30.00	20.53	36.00
802.11be EHT40_Nss1,(MCS0)_4TX-OFDMA										
5190MHz	Pass	6.60	5.79	5.43	5.40	5.73	11.44	16.40	18.04	23.00
5230MHz	Pass	6.60	8.04	7.90	8.06	8.67	13.89	16.40	20.49	23.00
5755MHz	Pass	5.46	7.59	7.69	7.55	7.97	13.39	30.00	18.85	36.00
5795MHz	Pass	5.46	7.96	7.67	7.40	7.59	13.38	30.00	18.84	36.00
802.11be EHT80_Nss1,(MCS0)_4TX-OFDMA										
5210MHz	Pass	6.60	1.65	1.80	2.03	2.28	7.75	16.40	14.35	23.00
5775MHz	Pass	5.46	4.82	4.36	4.25	4.88	10.32	30.00	15.78	36.00

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

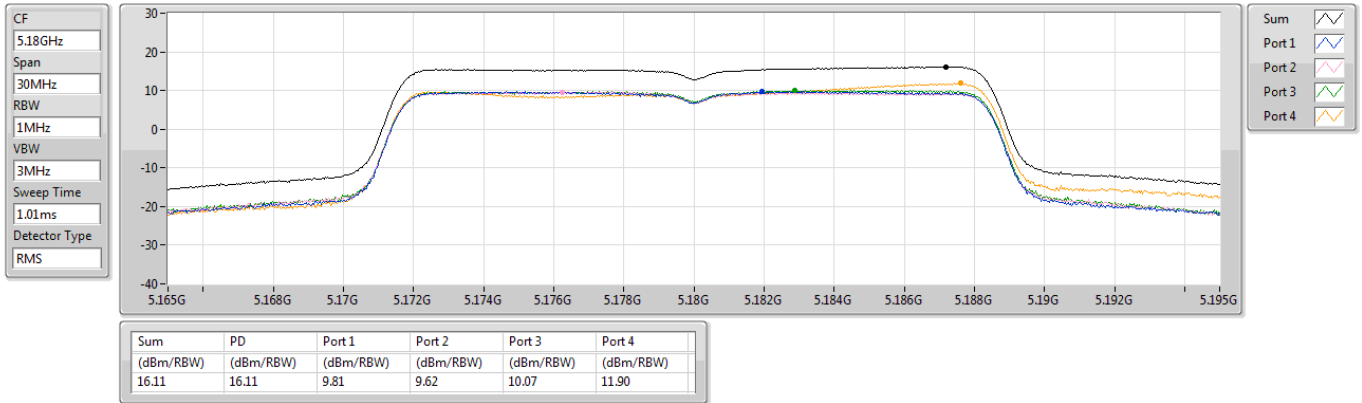
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

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

PSD

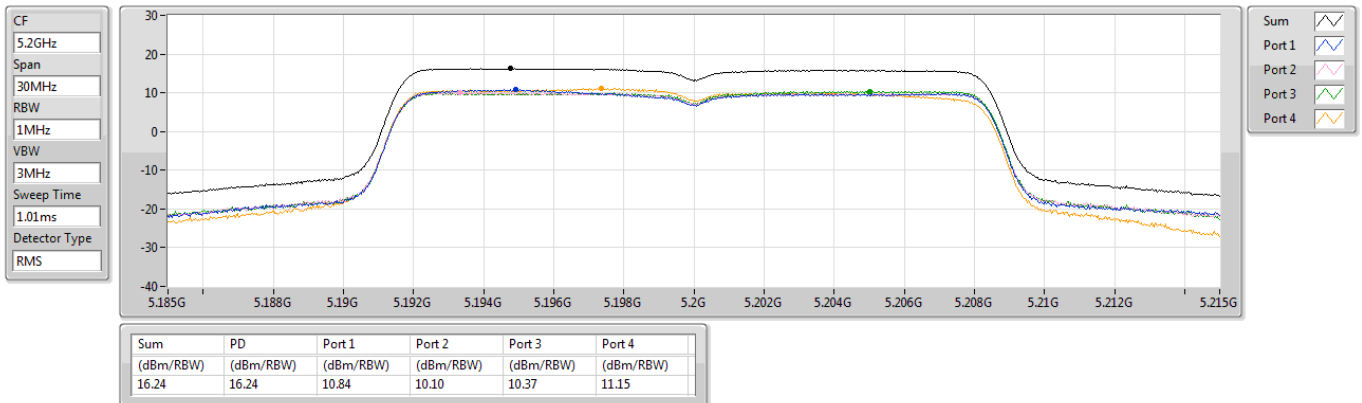
5180MHz



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

PSD

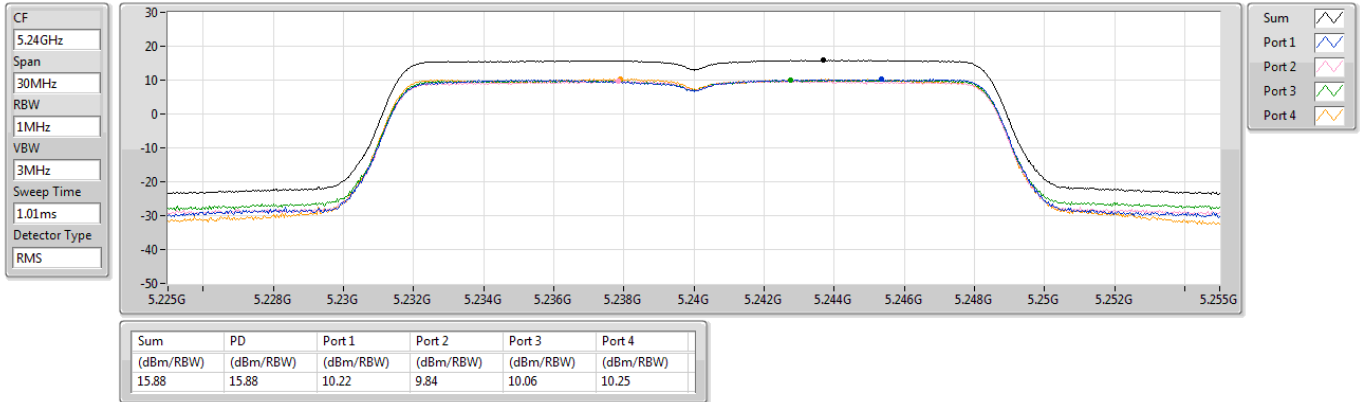
5200MHz



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

PSD

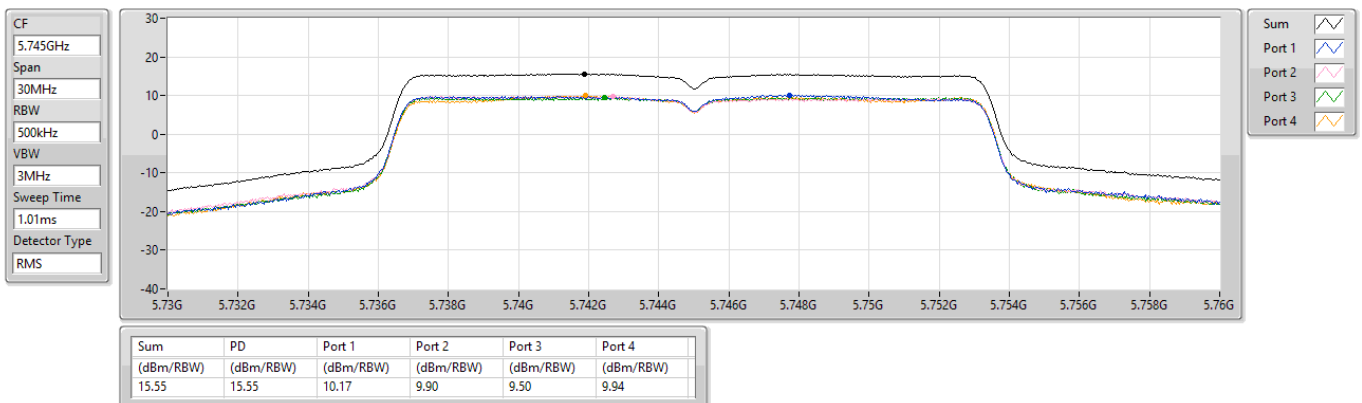
5240MHz



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

PSD

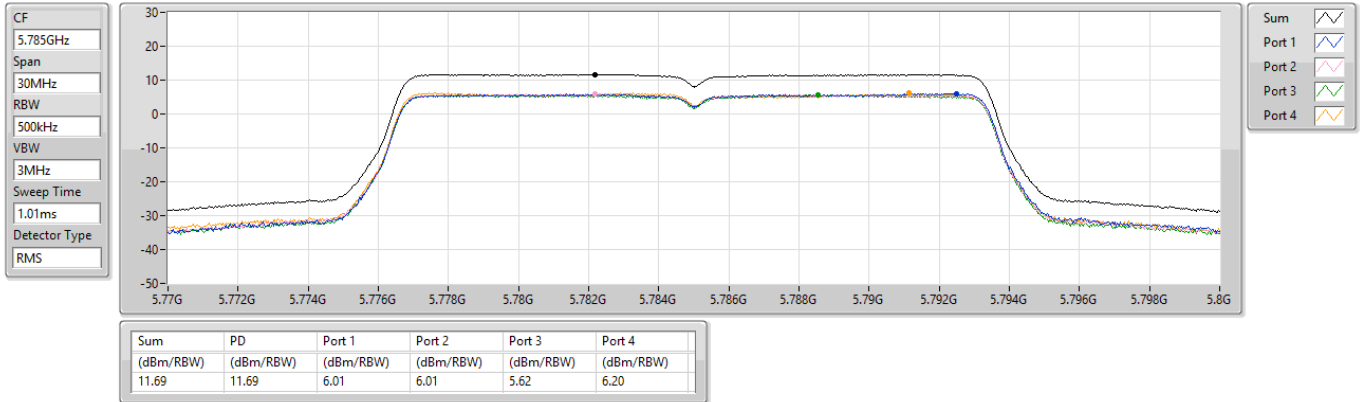
5745MHz



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

PSD

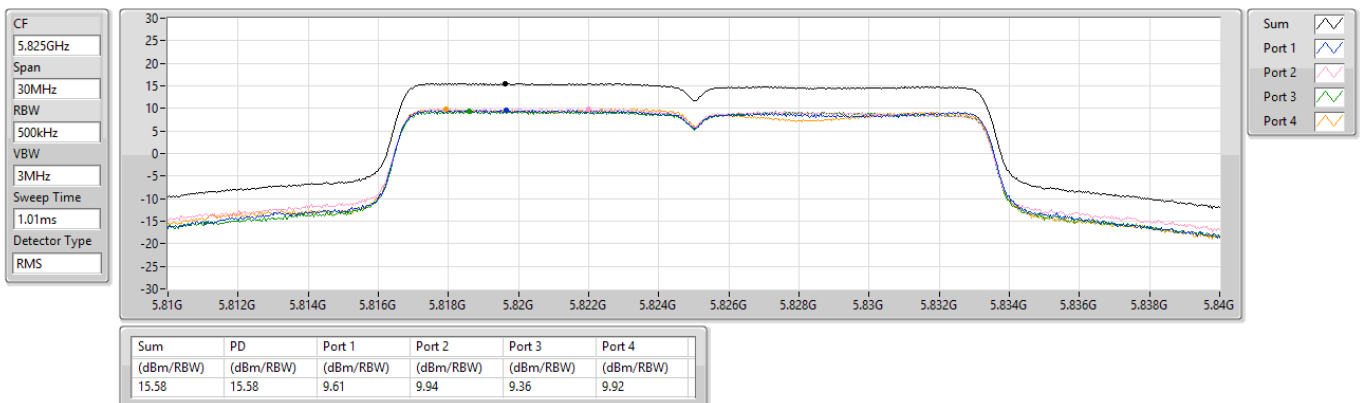
5785MHz



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

PSD

5825MHz

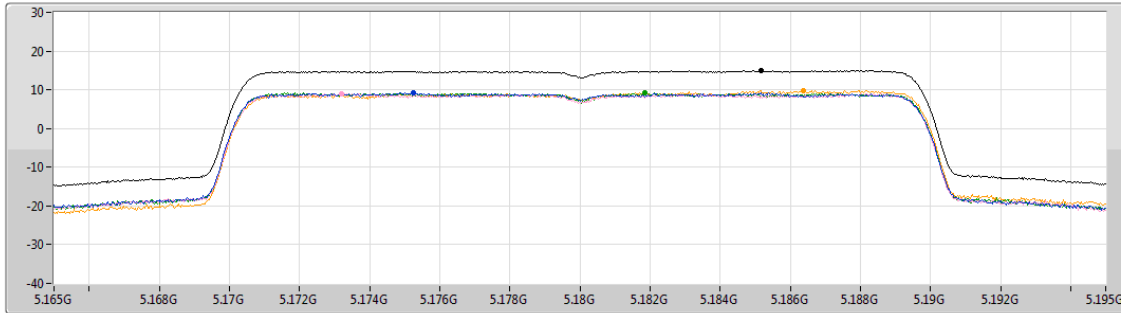


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

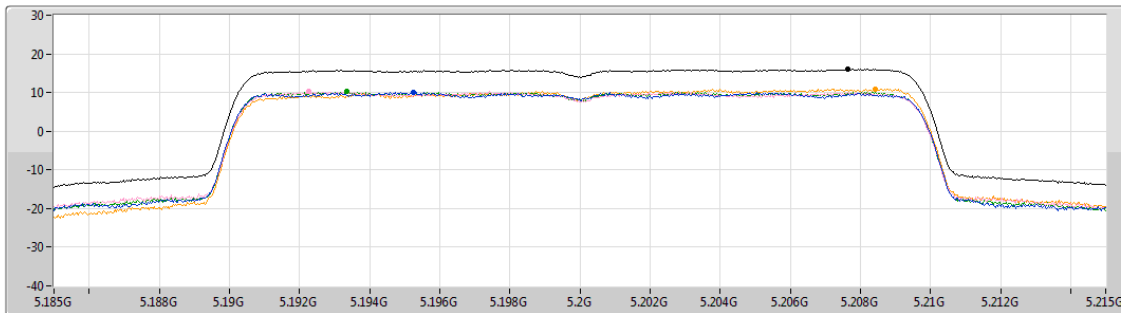
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.01	15.01	9.20	9.02	9.20	9.88

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

PSD

5200MHz

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



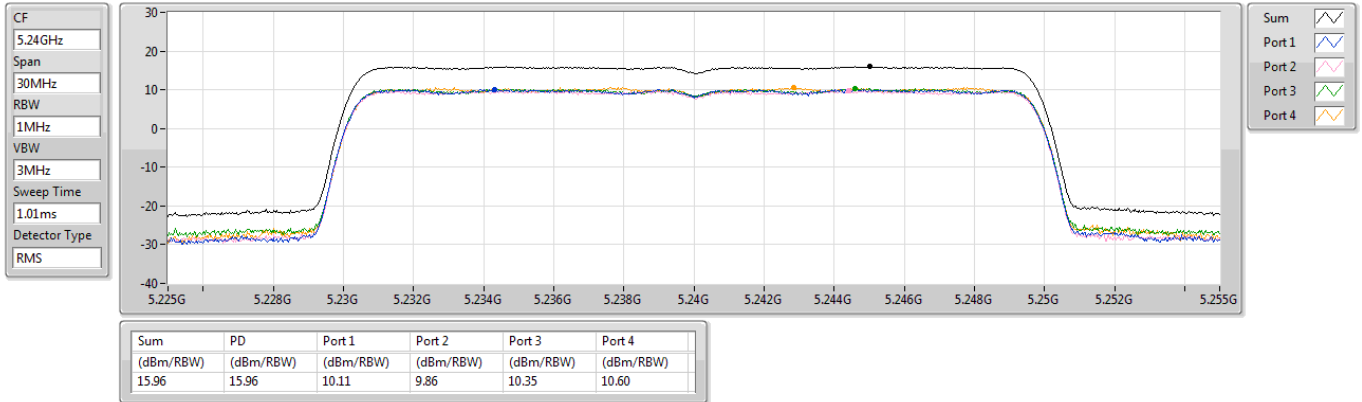
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.00	16.00	10.11	10.27	10.22	10.94

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

PSD

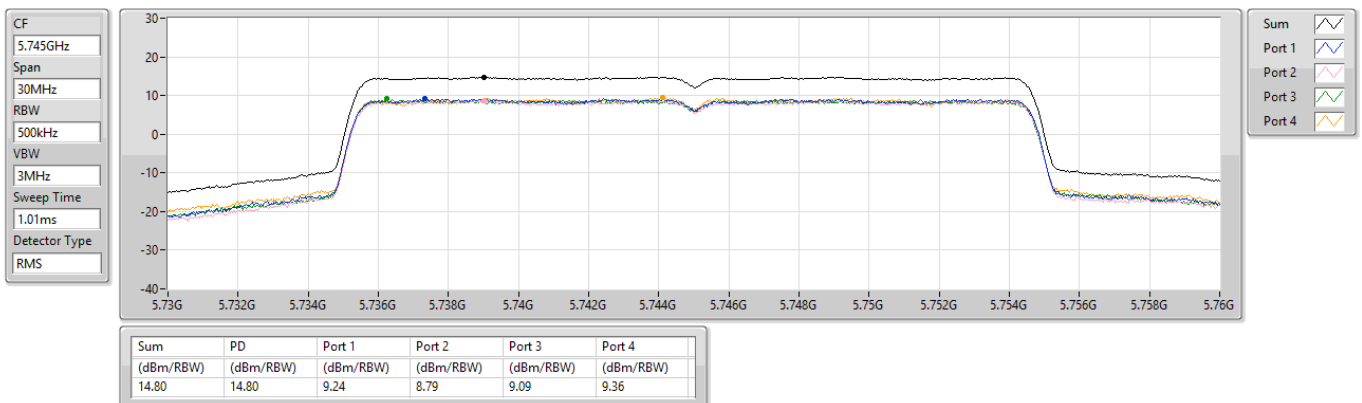
5240MHz



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

PSD

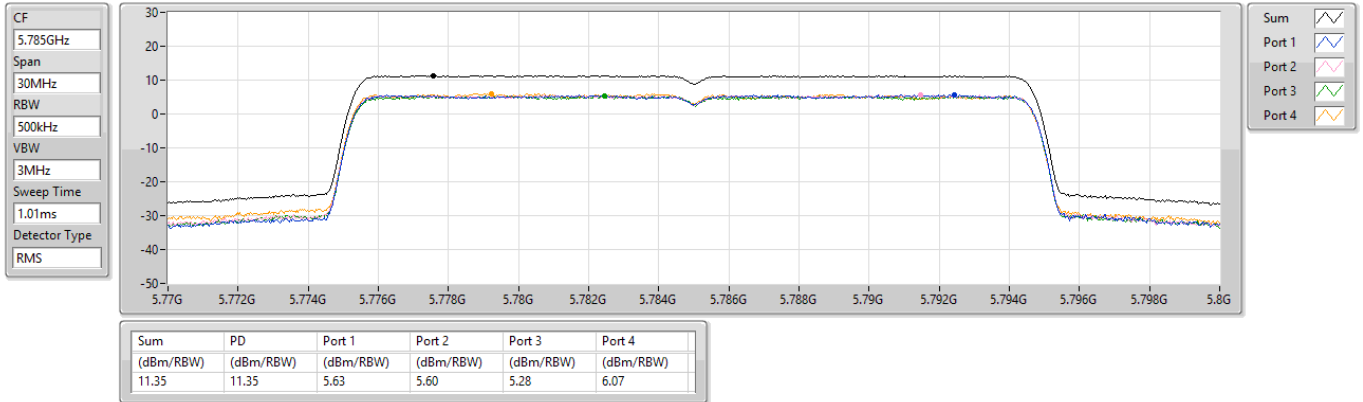
5745MHz



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

PSD

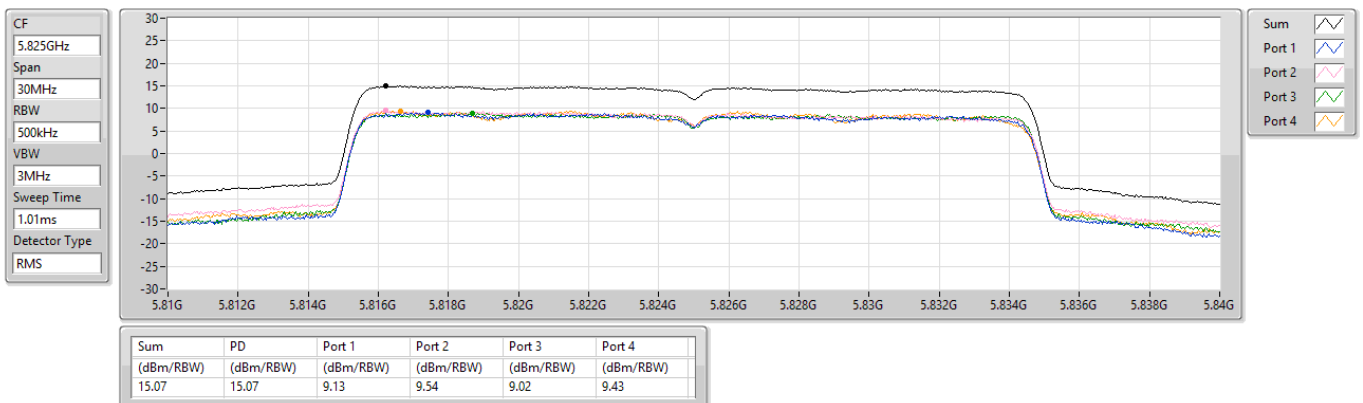
5785MHz



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

PSD

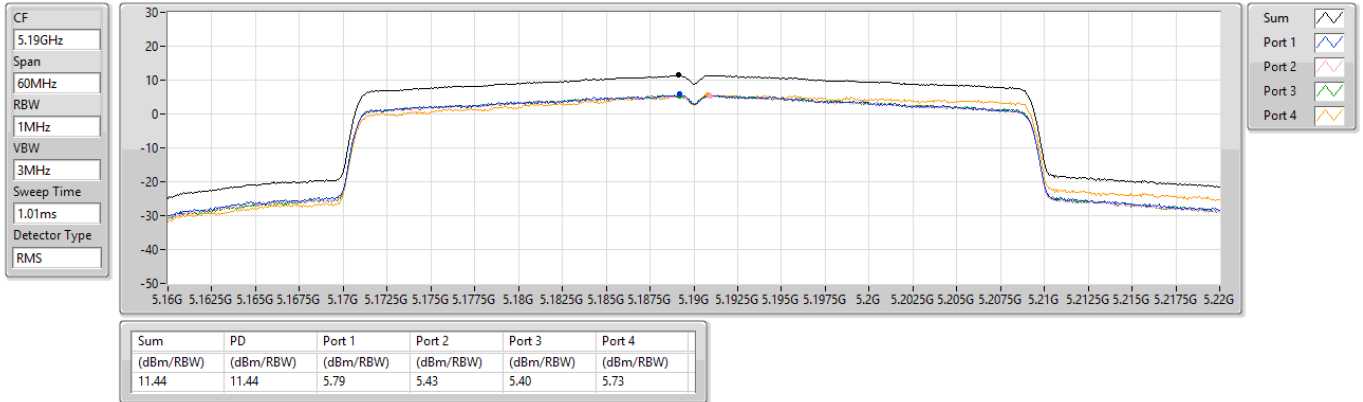
5825MHz



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

PSD

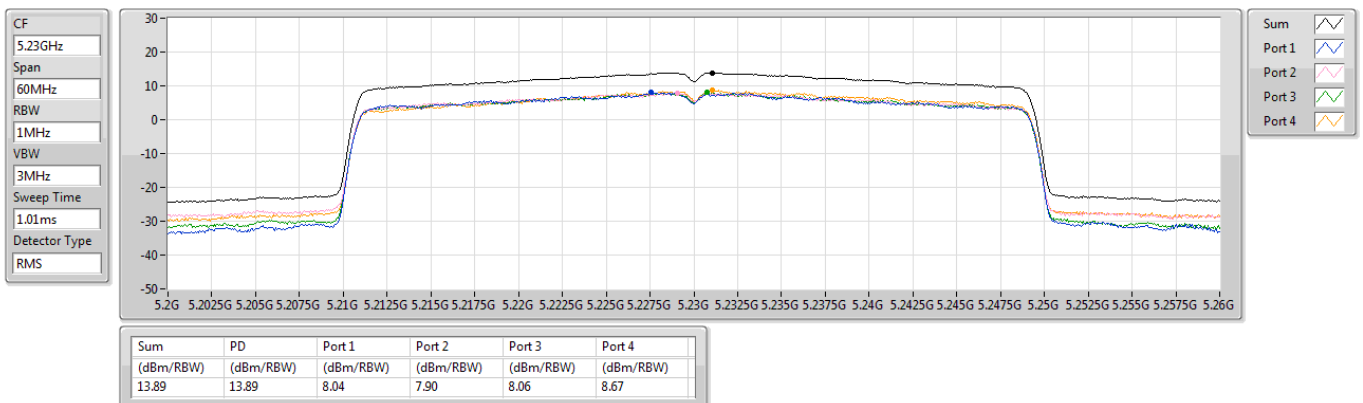
5190MHz



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

PSD

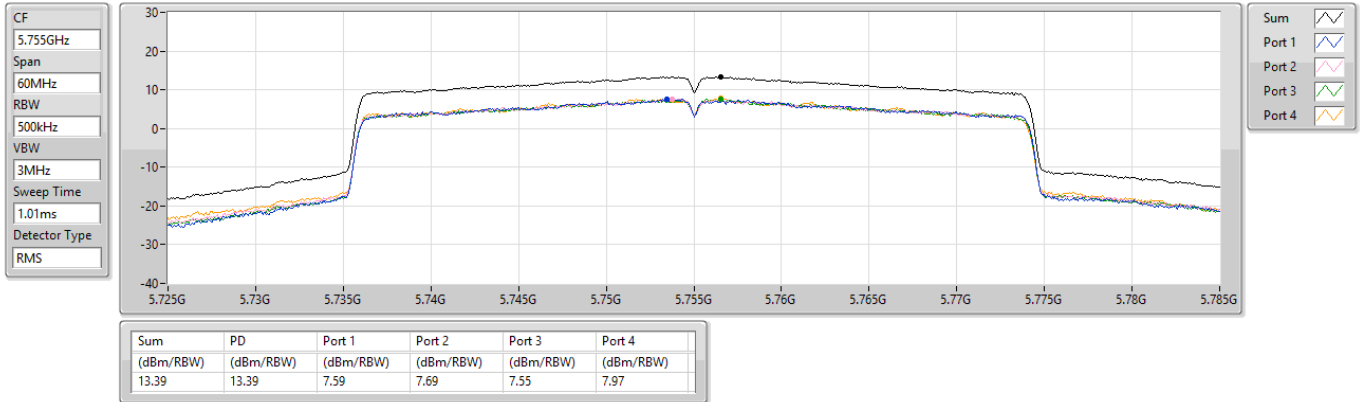
5230MHz



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

PSD

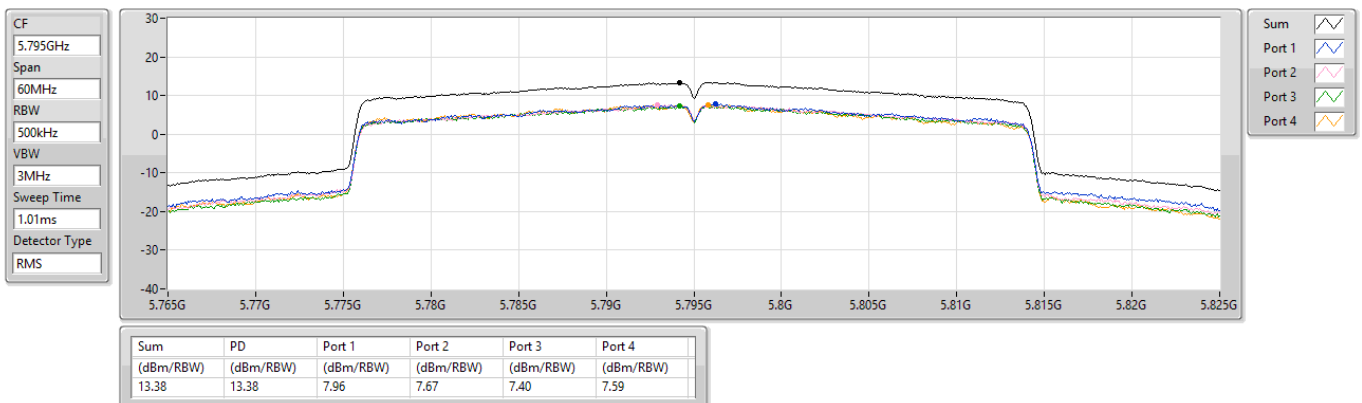
5755MHz



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

PSD

5795MHz

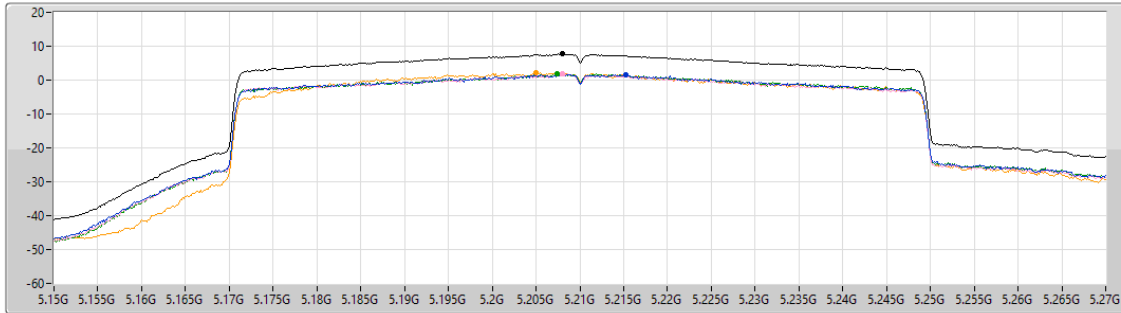


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

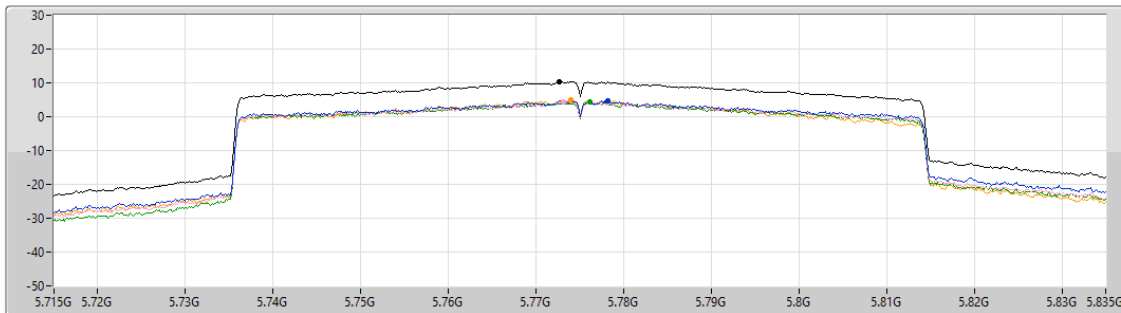
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.75	7.75	1.65	1.80	2.03	2.28

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

PSD

5775MHz

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.32	10.32	4.82	4.36	4.25	4.88



Unwanted Emissions (Below 1GHz)

Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Paul Lin Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Paul Lin Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) <			



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Paul Lin Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



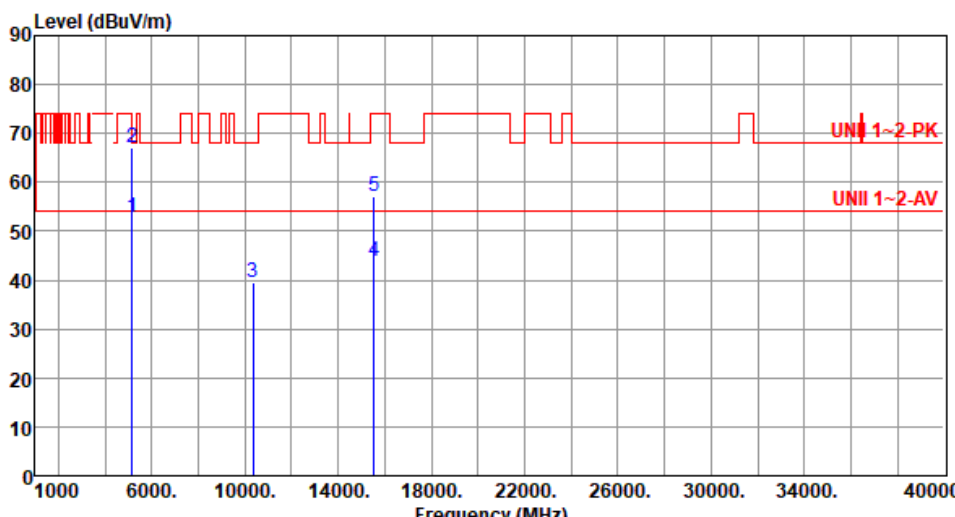
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		
Test By :Paul Lin Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180																																																												
Polarization	Horizontal																																																														
Test By :Paul Lin Temperature(°C):26 Humidity(%):61																																																															
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>53.31</td><td>54.00</td><td>-0.69</td><td>53.07</td><td>0.24</td><td>Average</td><td>197</td><td>357</td></tr><tr><td>2</td><td>5150.00</td><td>72.41</td><td>74.00</td><td>-1.59</td><td>72.17</td><td>0.24</td><td>Peak</td><td>197</td><td>357</td></tr><tr><td>3</td><td>10360.00</td><td>60.05</td><td>68.20</td><td>-8.15</td><td>52.96</td><td>7.09</td><td>Peak</td><td>192</td><td>207</td></tr><tr><td>4</td><td>15540.00</td><td>43.62</td><td>54.00</td><td>-10.38</td><td>39.47</td><td>4.15</td><td>Average</td><td>100</td><td>127</td></tr><tr><td>5</td><td>15540.00</td><td>57.80</td><td>74.00</td><td>-16.20</td><td>53.65</td><td>4.15</td><td>Peak</td><td>100</td><td>127</td></tr></tbody></table>					Freq. 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	53.31	54.00	-0.69	53.07	0.24	Average	197	357	2	5150.00	72.41	74.00	-1.59	72.17	0.24	Peak	197	357	3	10360.00	60.05	68.20	-8.15	52.96	7.09	Peak	192	207	4	15540.00	43.62	54.00	-10.38	39.47	4.15	Average	100	127	5	15540.00	57.80	74.00	-16.20	53.65	4.15	Peak	100	127
	Freq. 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	53.31	54.00	-0.69	53.07	0.24	Average	197	357																																																						
2	5150.00	72.41	74.00	-1.59	72.17	0.24	Peak	197	357																																																						
3	10360.00	60.05	68.20	-8.15	52.96	7.09	Peak	192	207																																																						
4	15540.00	43.62	54.00	-10.38	39.47	4.15	Average	100	127																																																						
5	15540.00	57.80	74.00	-16.20	53.65	4.15	Peak	100	127																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															



Modulation	11a	Test Freq. (MHz)	5180						
Polarization	Vertical								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61									
									
	Freq. 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	52.66	54.00	-1.34	52.42	0.24	Average	140	326
2	5150.00	67.23	74.00	-6.77	66.99	0.24	Peak	140	326
3	10360.00	39.66	68.20	-28.54	32.57	7.09	Peak	219	206
4	15540.00	43.78	54.00	-10.22	39.63	4.15	Average	100	192
5	15540.00	57.01	74.00	-16.99	52.86	4.15	Peak	100	192
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 :Sean Yu Temperature(°C):26 Humidity(%):61			
Level (dBuV/m) <			



Modulation	11a	Test Freq. (MHz)	5200																																																																																																																								
Polarization	Vertical																																																																																																																										
Test By :Sean Yu Temperature(°C):26 Humidity(%):61																																																																																																																											
Level (dBuV/m) UNII 1-2-PK UNII 1-2-AV Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>48.51</td><td>54.00</td><td>-5.49</td><td>48.27</td><td>0.24</td><td>Average</td><td>132</td><td>185</td></tr><tr><td>2</td><td>5150.00</td><td>61.41</td><td>74.00</td><td>-12.59</td><td>61.17</td><td>0.24</td><td>Peak</td><td>132</td><td>185</td></tr><tr><td>3</td><td>5350.00</td><td>46.51</td><td>54.00</td><td>-7.49</td><td>46.69</td><td>-0.18</td><td>Average</td><td>132</td><td>185</td></tr><tr><td>4</td><td>5350.00</td><td>60.92</td><td>74.00</td><td>-13.08</td><td>61.10</td><td>-0.18</td><td>Peak</td><td>132</td><td>185</td></tr><tr><td>5</td><td>10400.00</td><td>62.07</td><td>68.20</td><td>-6.13</td><td>54.88</td><td>7.19</td><td>Peak</td><td>211</td><td>194</td></tr><tr><td>6</td><td>15600.00</td><td>43.50</td><td>54.00</td><td>-10.50</td><td>39.55</td><td>3.95</td><td>Average</td><td>100</td><td>187</td></tr><tr><td>7</td><td>15600.00</td><td>55.77</td><td>74.00</td><td>-18.23</td><td>51.82</td><td>3.95</td><td>Peak</td><td>100</td><td>187</td></tr><tr><td>8</td><td>20800.00</td><td>43.51</td><td>54.00</td><td>-10.49</td><td>41.06</td><td>2.45</td><td>Average</td><td>132</td><td>185</td></tr><tr><td>9</td><td>20800.00</td><td>57.12</td><td>74.00</td><td>-16.88</td><td>54.67</td><td>2.45</td><td>Peak</td><td>132</td><td>185</td></tr></table> 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).					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level			reading			High	Table			dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	5150.00	48.51	54.00	-5.49	48.27	0.24	Average	132	185	2	5150.00	61.41	74.00	-12.59	61.17	0.24	Peak	132	185	3	5350.00	46.51	54.00	-7.49	46.69	-0.18	Average	132	185	4	5350.00	60.92	74.00	-13.08	61.10	-0.18	Peak	132	185	5	10400.00	62.07	68.20	-6.13	54.88	7.19	Peak	211	194	6	15600.00	43.50	54.00	-10.50	39.55	3.95	Average	100	187	7	15600.00	55.77	74.00	-18.23	51.82	3.95	Peak	100	187	8	20800.00	43.51	54.00	-10.49	41.06	2.45	Average	132	185	9	20800.00	57.12	74.00	-16.88	54.67	2.45	Peak	132	185
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																																		
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6	15600.00	43.50	54.00	-10.50	39.55	3.95	Average	100	187																																																																																																																		
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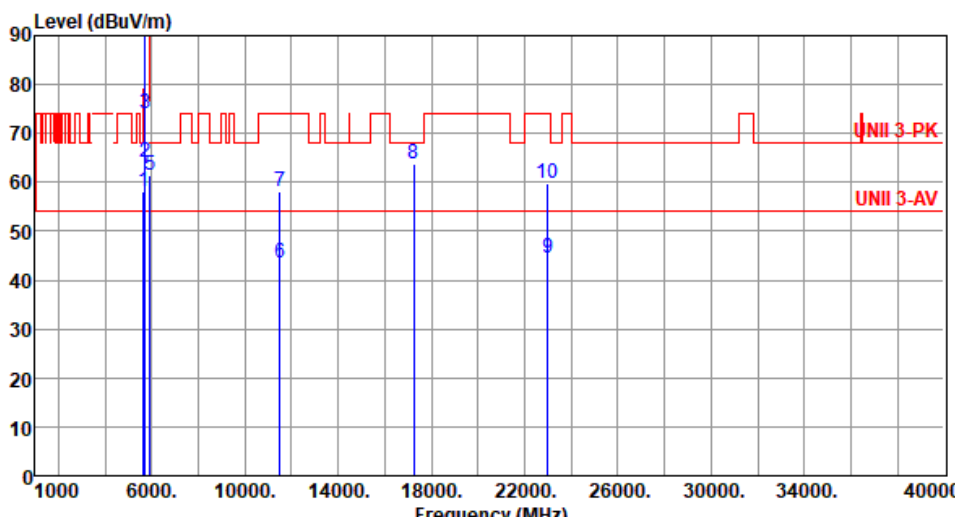


Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Paul Lin Temperature(°C):26 Humidity(%):61			
Level (dBuV/m)			

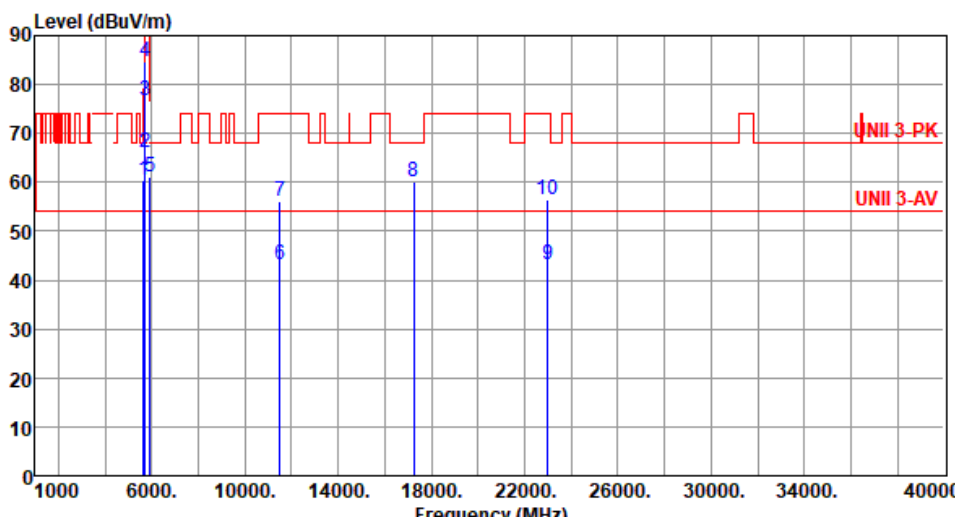


Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Paul Lin Temperature(°C):26 Humidity(%):61			
Level (dBuV/m) <			

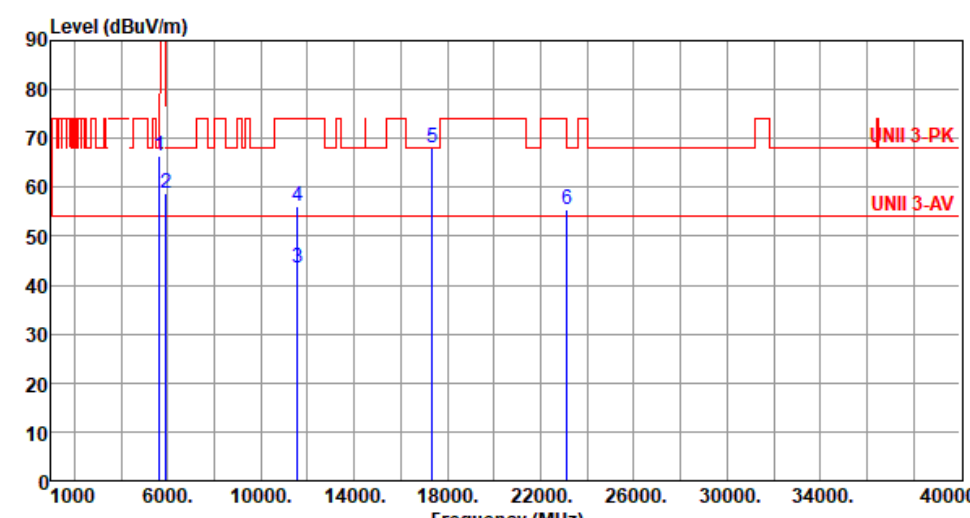


Modulation	11a	Test Freq. (MHz)	5745																																																																																																														
Polarization	Horizontal																																																																																																																
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Level (dBuV/m)  Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>58.16</td><td>68.20</td><td>-10.04</td><td>57.92</td><td>0.24</td><td>Peak</td><td>146</td><td>18</td></tr><tr><td>2</td><td>5700.00</td><td>64.19</td><td>105.20</td><td>-41.01</td><td>63.72</td><td>0.47</td><td>Peak</td><td>146</td><td>18</td></tr><tr><td>3</td><td>5720.00</td><td>74.09</td><td>110.80</td><td>-36.71</td><td>73.52</td><td>0.57</td><td>Peak</td><td>146</td><td>18</td></tr><tr><td>4</td><td>5725.00</td><td>92.32</td><td>122.20</td><td>-29.88</td><td>91.73</td><td>0.59</td><td>Peak</td><td>146</td><td>18</td></tr><tr><td>5</td><td>5925.00</td><td>61.44</td><td>68.20</td><td>-6.76</td><td>60.25</td><td>1.19</td><td>Peak</td><td>146</td><td>18</td></tr><tr><td>6</td><td>11490.00</td><td>43.63</td><td>54.00</td><td>-10.37</td><td>36.38</td><td>7.25</td><td>Average</td><td>210</td><td>202</td></tr><tr><td>7</td><td>11490.00</td><td>58.01</td><td>74.00</td><td>-15.99</td><td>50.76</td><td>7.25</td><td>Peak</td><td>210</td><td>202</td></tr><tr><td>8</td><td>17235.00</td><td>63.78</td><td>68.20</td><td>-4.42</td><td>57.68</td><td>6.10</td><td>Peak</td><td>184</td><td>217</td></tr><tr><td>9</td><td>22980.00</td><td>44.47</td><td>54.00</td><td>-9.53</td><td>38.45</td><td>6.02</td><td>Average</td><td>211</td><td>217</td></tr><tr><td>10</td><td>22980.00</td><td>59.91</td><td>74.00</td><td>-14.09</td><td>53.89</td><td>6.02</td><td>Peak</td><td>211</td><td>217</td></tr></table> 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).					Freq. 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	58.16	68.20	-10.04	57.92	0.24	Peak	146	18	2	5700.00	64.19	105.20	-41.01	63.72	0.47	Peak	146	18	3	5720.00	74.09	110.80	-36.71	73.52	0.57	Peak	146	18	4	5725.00	92.32	122.20	-29.88	91.73	0.59	Peak	146	18	5	5925.00	61.44	68.20	-6.76	60.25	1.19	Peak	146	18	6	11490.00	43.63	54.00	-10.37	36.38	7.25	Average	210	202	7	11490.00	58.01	74.00	-15.99	50.76	7.25	Peak	210	202	8	17235.00	63.78	68.20	-4.42	57.68	6.10	Peak	184	217	9	22980.00	44.47	54.00	-9.53	38.45	6.02	Average	211	217	10	22980.00	59.91	74.00	-14.09	53.89	6.02	Peak	211	217
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																								
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3	5720.00	74.09	110.80	-36.71	73.52	0.57	Peak	146	18																																																																																																								
4	5725.00	92.32	122.20	-29.88	91.73	0.59	Peak	146	18																																																																																																								
5	5925.00	61.44	68.20	-6.76	60.25	1.19	Peak	146	18																																																																																																								
6	11490.00	43.63	54.00	-10.37	36.38	7.25	Average	210	202																																																																																																								
7	11490.00	58.01	74.00	-15.99	50.76	7.25	Peak	210	202																																																																																																								
8	17235.00	63.78	68.20	-4.42	57.68	6.10	Peak	184	217																																																																																																								
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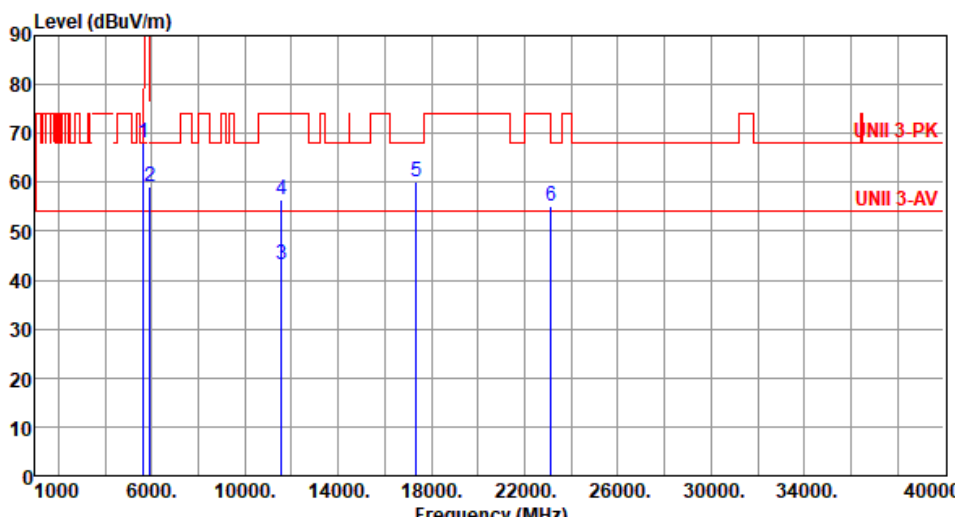


Modulation	11a	Test Freq. (MHz)	5745																																																																																																														
Polarization	Vertical																																																																																																																
Test By :Paul Lin Temperature(°C):26 Humidity(%):61																																																																																																																	
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>60.61</td><td>68.20</td><td>-7.59</td><td>60.37</td><td>0.24</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>2</td><td>5700.00</td><td>66.00</td><td>105.20</td><td>-39.20</td><td>65.53</td><td>0.47</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>3</td><td>5720.00</td><td>76.71</td><td>110.80</td><td>-34.09</td><td>76.14</td><td>0.57</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>4</td><td>5725.00</td><td>84.72</td><td>122.20</td><td>-37.48</td><td>84.13</td><td>0.59</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>5</td><td>5925.00</td><td>61.15</td><td>68.20</td><td>-7.05</td><td>59.96</td><td>1.19</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>6</td><td>11490.00</td><td>43.08</td><td>54.00</td><td>-10.92</td><td>35.83</td><td>7.25</td><td>Average</td><td>100</td><td>64</td></tr><tr><td>7</td><td>11490.00</td><td>55.99</td><td>74.00</td><td>-18.01</td><td>48.74</td><td>7.25</td><td>Peak</td><td>100</td><td>64</td></tr><tr><td>8</td><td>17235.00</td><td>60.22</td><td>68.20</td><td>-7.98</td><td>54.12</td><td>6.10</td><td>Peak</td><td>100</td><td>152</td></tr><tr><td>9</td><td>22980.00</td><td>43.11</td><td>54.00</td><td>-10.89</td><td>37.09</td><td>6.02</td><td>Average</td><td>100</td><td>162</td></tr><tr><td>10</td><td>22980.00</td><td>56.42</td><td>74.00</td><td>-17.58</td><td>50.40</td><td>6.02</td><td>Peak</td><td>100</td><td>162</td></tr></tbody></table>					Freq. 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	60.61	68.20	-7.59	60.37	0.24	Peak	100	341	2	5700.00	66.00	105.20	-39.20	65.53	0.47	Peak	100	341	3	5720.00	76.71	110.80	-34.09	76.14	0.57	Peak	100	341	4	5725.00	84.72	122.20	-37.48	84.13	0.59	Peak	100	341	5	5925.00	61.15	68.20	-7.05	59.96	1.19	Peak	100	341	6	11490.00	43.08	54.00	-10.92	35.83	7.25	Average	100	64	7	11490.00	55.99	74.00	-18.01	48.74	7.25	Peak	100	64	8	17235.00	60.22	68.20	-7.98	54.12	6.10	Peak	100	152	9	22980.00	43.11	54.00	-10.89	37.09	6.02	Average	100	162	10	22980.00	56.42	74.00	-17.58	50.40	6.02	Peak	100	162
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																								
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9	22980.00	43.11	54.00	-10.89	37.09	6.02	Average	100	162																																																																																																								
10	22980.00	56.42	74.00	-17.58	50.40	6.02	Peak	100	162																																																																																																								
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Modulation	11a	Test Freq. (MHz)	5785																																																																						
Polarization	Horizontal																																																																								
Test By :Sean Yu Temperature(°C):25 Humidity(%):62																																																																									
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>66.47</td><td>68.20</td><td>-1.73</td><td>66.23</td><td>0.24</td><td>Peak</td><td>145</td><td>21</td></tr><tr><td>2</td><td>5925.00</td><td>58.64</td><td>68.20</td><td>-9.56</td><td>57.45</td><td>1.19</td><td>Peak</td><td>145</td><td>21</td></tr><tr><td>3</td><td>11570.00</td><td>43.48</td><td>54.00</td><td>-10.52</td><td>36.45</td><td>7.03</td><td>Average</td><td>100</td><td>48</td></tr><tr><td>4</td><td>11570.00</td><td>56.22</td><td>74.00</td><td>-17.78</td><td>49.19</td><td>7.03</td><td>Peak</td><td>100</td><td>48</td></tr><tr><td>5</td><td>17355.00</td><td>68.09</td><td>68.20</td><td>-0.11</td><td>61.86</td><td>6.23</td><td>Peak</td><td>104</td><td>210</td></tr><tr><td>6</td><td>23140.00</td><td>55.48</td><td>68.20</td><td>-12.72</td><td>49.37</td><td>6.11</td><td>Peak</td><td>100</td><td>49</td></tr></tbody></table>					Freq. 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	66.47	68.20	-1.73	66.23	0.24	Peak	145	21	2	5925.00	58.64	68.20	-9.56	57.45	1.19	Peak	145	21	3	11570.00	43.48	54.00	-10.52	36.45	7.03	Average	100	48	4	11570.00	56.22	74.00	-17.78	49.19	7.03	Peak	100	48	5	17355.00	68.09	68.20	-0.11	61.86	6.23	Peak	104	210	6	23140.00	55.48	68.20	-12.72	49.37	6.11	Peak	100	49
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
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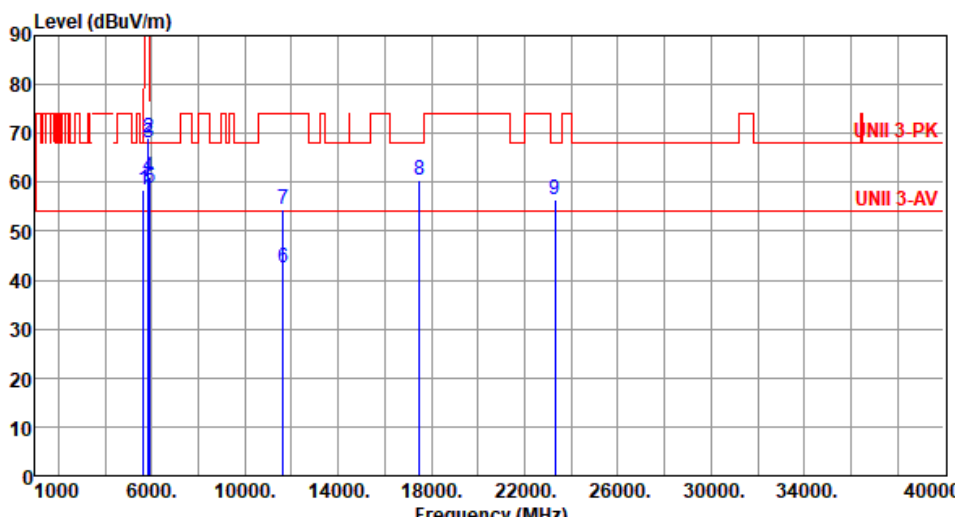


Modulation	11a	Test Freq. (MHz)	5785																																																																						
Polarization	Vertical																																																																								
Test By :Sean Yu Temperature(°C):25 Humidity(%):62																																																																									
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>68.03</td><td>68.20</td><td>-0.17</td><td>67.79</td><td>0.24</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>2</td><td>5925.00</td><td>59.22</td><td>68.20</td><td>-8.98</td><td>58.03</td><td>1.19</td><td>Peak</td><td>100</td><td>341</td></tr><tr><td>3</td><td>11570.00</td><td>43.02</td><td>54.00</td><td>-10.98</td><td>35.99</td><td>7.03</td><td>Average</td><td>100</td><td>71</td></tr><tr><td>4</td><td>11570.00</td><td>56.41</td><td>74.00</td><td>-17.59</td><td>49.38</td><td>7.03</td><td>Peak</td><td>100</td><td>71</td></tr><tr><td>5</td><td>17355.00</td><td>60.12</td><td>68.20</td><td>-8.08</td><td>53.89</td><td>6.23</td><td>Peak</td><td>100</td><td>158</td></tr><tr><td>6</td><td>23140.00</td><td>55.13</td><td>68.20</td><td>-13.07</td><td>49.02</td><td>6.11</td><td>Peak</td><td>100</td><td>42</td></tr></tbody></table> 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).					Freq. 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	68.03	68.20	-0.17	67.79	0.24	Peak	100	341	2	5925.00	59.22	68.20	-8.98	58.03	1.19	Peak	100	341	3	11570.00	43.02	54.00	-10.98	35.99	7.03	Average	100	71	4	11570.00	56.41	74.00	-17.59	49.38	7.03	Peak	100	71	5	17355.00	60.12	68.20	-8.08	53.89	6.23	Peak	100	158	6	23140.00	55.13	68.20	-13.07	49.02	6.11	Peak	100	42
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
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Modulation	11a	Test Freq. (MHz)	5825						
Polarization	Horizontal								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61									
	Freq. 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	58.38	68.20	-9.82	58.14	0.24	Peak	146	19
2	5850.00	65.02	122.20	-57.18	64.14	0.88	Peak	146	19
3	5855.00	69.45	110.80	-41.35	68.54	0.91	Peak	146	19
4	5875.00	59.42	105.20	-45.78	58.42	1.00	Peak	146	19
5	5925.00	58.77	68.20	-9.43	57.58	1.19	Peak	146	19
6	11650.00	42.65	54.00	-11.35	35.89	6.76	Average	208	207
7	11650.00	55.69	74.00	-18.31	48.93	6.76	Peak	208	207
8	17475.00	61.79	68.20	-6.41	55.20	6.59	Peak	179	212
9	23300.00	61.84	68.20	-6.36	55.65	6.19	Peak	310	217
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).									

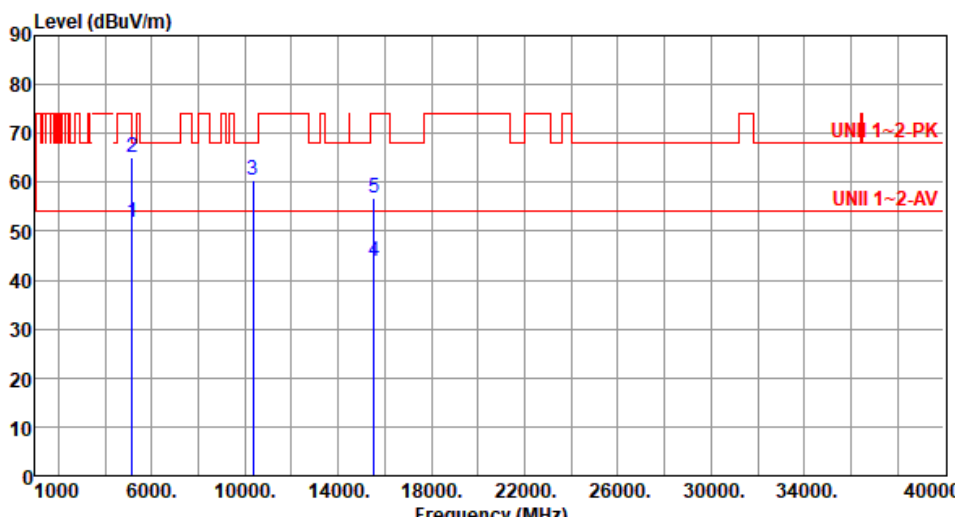


Modulation	11a	Test Freq. (MHz)	5825																																																																																																																						
Polarization	Vertical																																																																																																																								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61																																																																																																																									
																																																																																																																									
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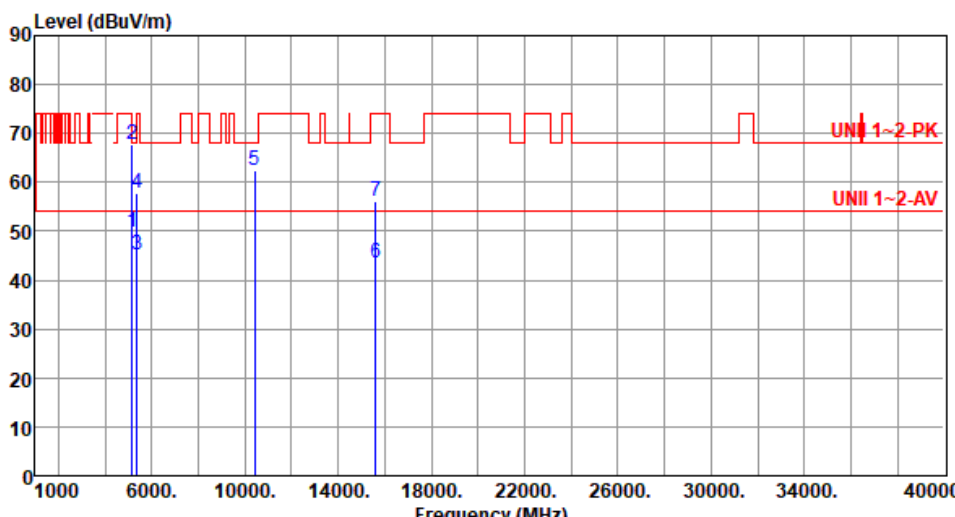
Unwanted Emissions (Above 1GHz) for be EHT20-OFDMA

Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Paul Lin Temperature(°C):26 Humidity(%):61			
Level (dBuV/m) <			



Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5180						
Polarization	Vertical								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61									
									
	Freq. 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	51.87	54.00	-2.13	51.63	0.24	Average	120	336
2	5150.00	65.14	74.00	-8.86	64.90	0.24	Peak	120	336
3	10360.00	60.28	68.20	-7.92	53.19	7.09	Peak	279	188
4	15540.00	43.72	54.00	-10.28	39.57	4.15	Average	100	122
5	15540.00	56.88	74.00	-17.12	52.73	4.15	Peak	100	122
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									

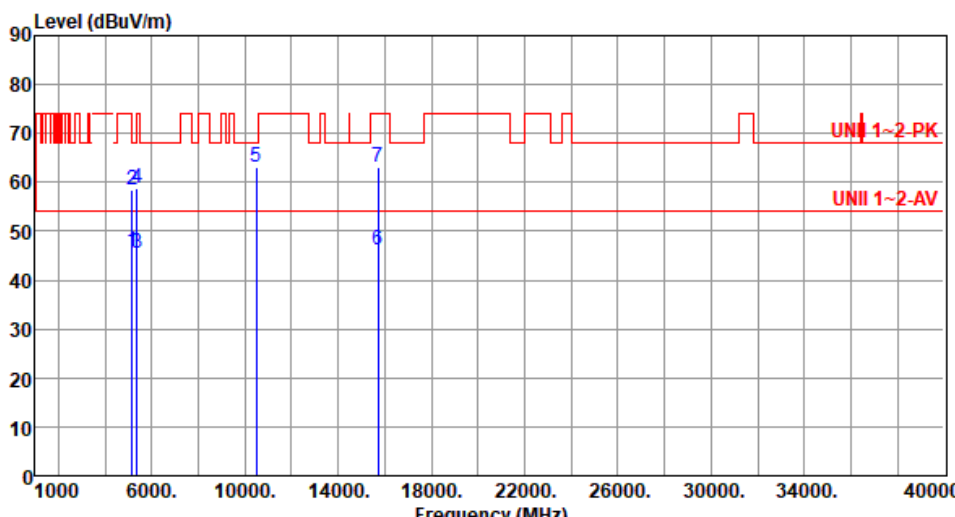


Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5200																																																																																	
Polarization	Horizontal																																																																																			
Test By :Paul Lin Temperature(°C):26 Humidity(%):61																																																																																				
																																																																																				
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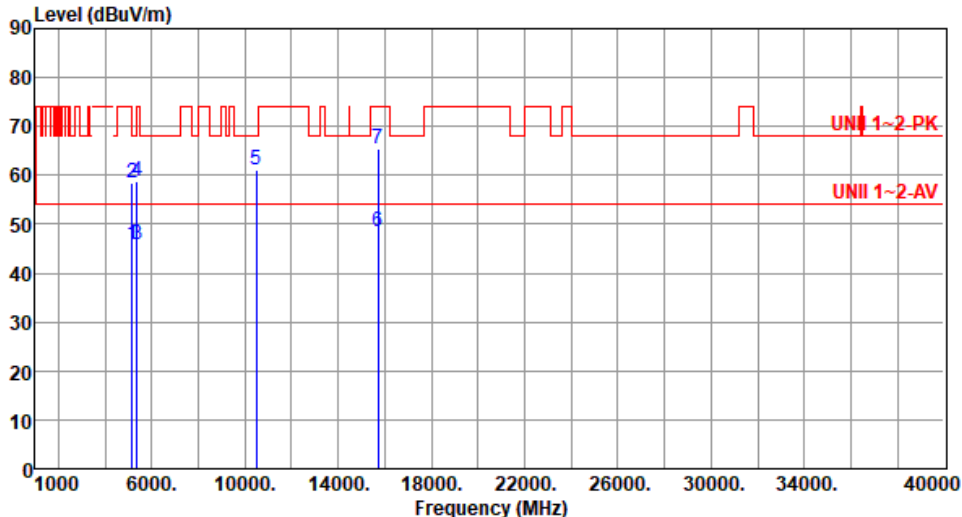


Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5200																																																																																
Polarization	Vertical																																																																																		
Test By :Paul Lin Temperature(°C):26 Humidity(%):61																																																																																			
Level (dBUV/m) UNII 1~2-PK UNII 1~2-AV Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>48.84</td><td>54.00</td><td>-5.16</td><td>48.60</td><td>0.24</td><td>Average</td><td>120</td><td>336</td></tr><tr><td>2</td><td>5150.00</td><td>63.60</td><td>74.00</td><td>-10.40</td><td>63.36</td><td>0.24</td><td>Peak</td><td>120</td><td>336</td></tr><tr><td>3</td><td>5350.00</td><td>46.79</td><td>54.00</td><td>-7.21</td><td>46.97</td><td>-0.18</td><td>Average</td><td>120</td><td>336</td></tr><tr><td>4</td><td>5350.00</td><td>58.61</td><td>74.00</td><td>-15.39</td><td>58.79</td><td>-0.18</td><td>Peak</td><td>120</td><td>336</td></tr><tr><td>5</td><td>10400.00</td><td>61.14</td><td>68.20</td><td>-7.06</td><td>53.95</td><td>7.19</td><td>Peak</td><td>273</td><td>193</td></tr><tr><td>6</td><td>15600.00</td><td>43.41</td><td>54.00</td><td>-10.59</td><td>39.46</td><td>3.95</td><td>Average</td><td>100</td><td>64</td></tr><tr><td>7</td><td>15600.00</td><td>56.41</td><td>74.00</td><td>-17.59</td><td>52.46</td><td>3.95</td><td>Peak</td><td>100</td><td>64</td></tr></tbody></table> 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).					Freq. 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	48.84	54.00	-5.16	48.60	0.24	Average	120	336	2	5150.00	63.60	74.00	-10.40	63.36	0.24	Peak	120	336	3	5350.00	46.79	54.00	-7.21	46.97	-0.18	Average	120	336	4	5350.00	58.61	74.00	-15.39	58.79	-0.18	Peak	120	336	5	10400.00	61.14	68.20	-7.06	53.95	7.19	Peak	273	193	6	15600.00	43.41	54.00	-10.59	39.46	3.95	Average	100	64	7	15600.00	56.41	74.00	-17.59	52.46	3.95	Peak	100	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																																																																										
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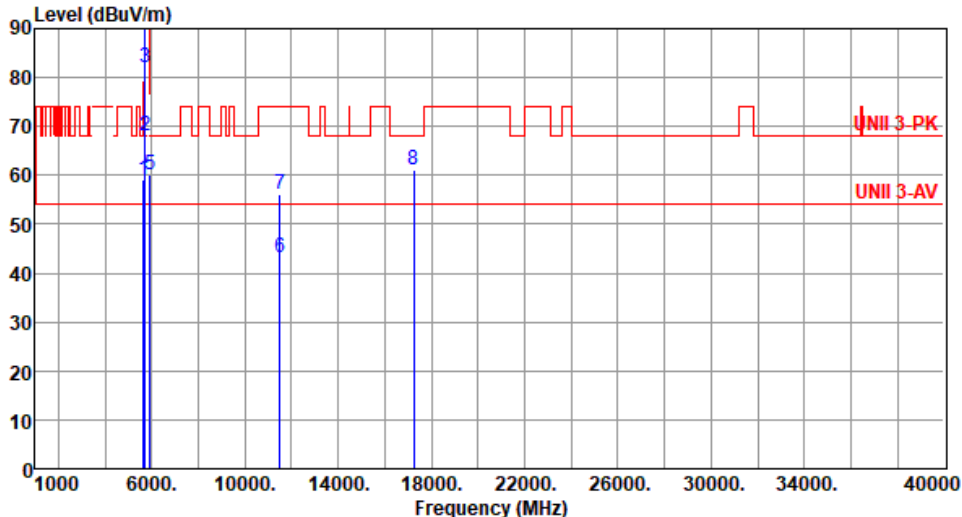
Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5240						
Polarization	Horizontal								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.72	54.00	-8.28	45.48	0.24	Average	264	13
2	5150.00	58.33	74.00	-15.67	58.09	0.24	Peak	264	13
3	5350.00	45.63	54.00	-8.37	45.81	-0.18	Average	264	13
4	5350.00	58.71	74.00	-15.29	58.89	-0.18	Peak	264	13
5	10480.00	63.11	68.20	-5.09	55.87	7.24	Peak	206	229
6	15720.00	46.24	54.00	-7.76	42.31	3.93	Average	135	213
7	15720.00	63.21	74.00	-10.79	59.28	3.93	Peak	135	213
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).									



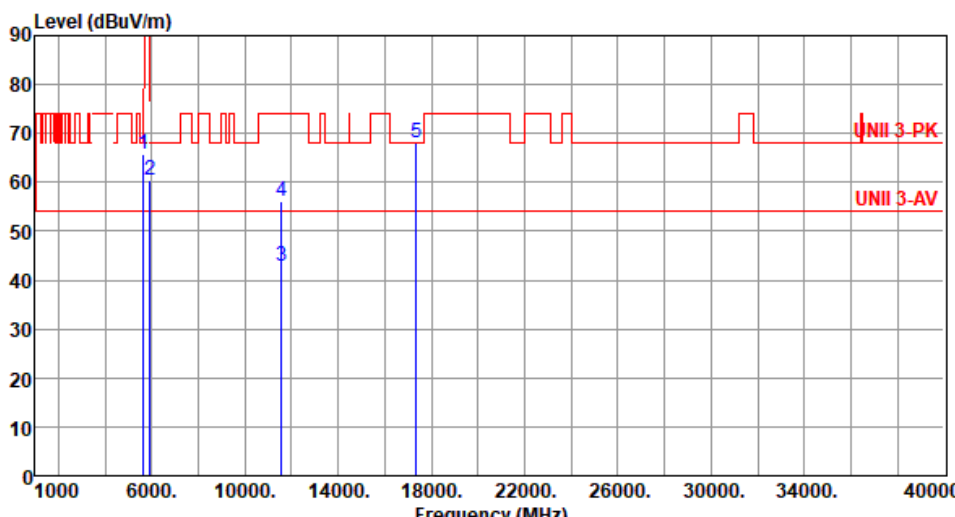
Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5240						
Polarization	Vertical								
Test By :Paul Lin Temperature(°C):26 Humidity(%):61									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.88	54.00	-8.12	45.64	0.24	Average	123	331
2	5150.00	58.37	74.00	-15.63	58.13	0.24	Peak	123	331
3	5350.00	45.84	54.00	-8.16	46.02	-0.18	Average	123	331
4	5350.00	58.76	74.00	-15.24	58.94	-0.18	Peak	123	331
5	10480.00	61.08	68.20	-7.12	53.84	7.24	Peak	275	188
6	15720.00	48.40	54.00	-5.60	44.47	3.93	Average	368	151
7	15720.00	65.35	74.00	-8.65	61.42	3.93	Peak	368	151
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 :Sean Yu Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) <			

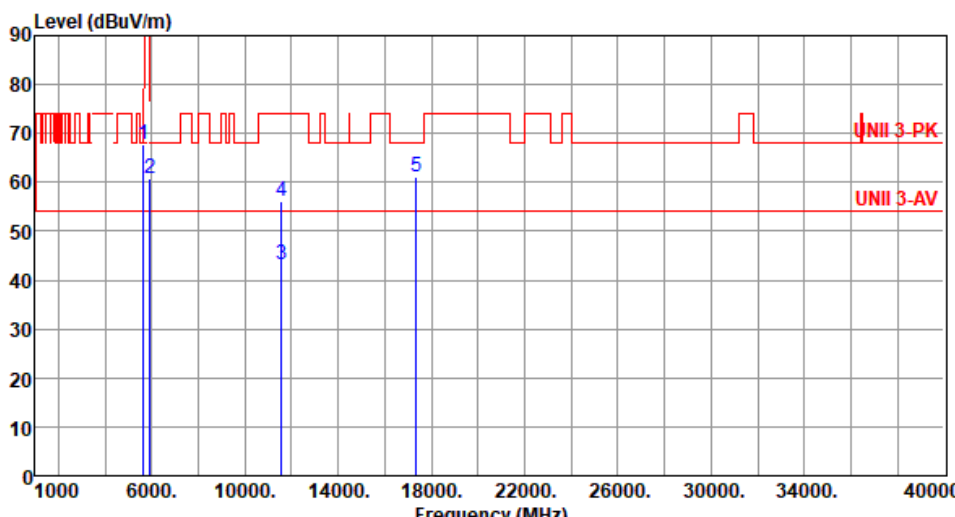


Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5745						
Polarization	Vertical								
Test By :Sean Yu Temperature(°C):26 Humidity(%):62									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.12	68.20	-9.08	58.88	0.24	Peak	100	17
2	5700.00	68.15	105.20	-37.05	67.68	0.47	Peak	100	17
3	5720.00	81.95	110.80	-28.85	81.38	0.57	Peak	100	17
4	5725.00	92.72	122.20	-29.48	92.13	0.59	Peak	100	17
5	5925.00	60.05	68.20	-8.15	58.86	1.19	Peak	100	17
6	11490.00	43.28	54.00	-10.72	36.03	7.25	Average	100	108
7	11490.00	55.98	74.00	-18.02	48.73	7.25	Peak	100	108
8	17235.00	60.97	68.20	-7.23	54.87	6.10	Peak	100	216
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).									

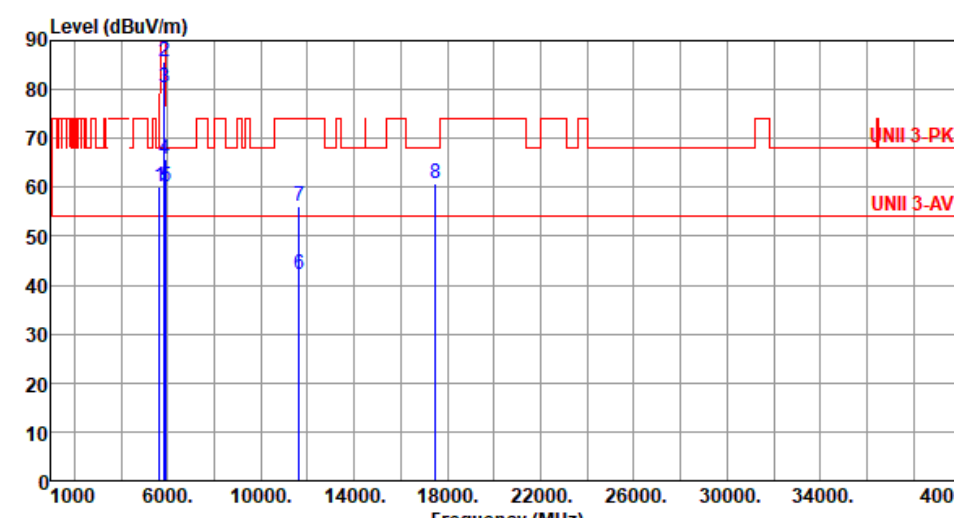


Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5785																																																												
Polarization	Horizontal																																																														
Test By :Sean Yu Temperature(°C):25 Humidity(%):62																																																															
 <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>65.88</td><td>68.20</td><td>-2.32</td><td>65.64</td><td>0.24</td><td>Peak</td><td>110</td><td>21</td></tr><tr><td>2</td><td>5925.00</td><td>60.57</td><td>68.20</td><td>-7.63</td><td>59.38</td><td>1.19</td><td>Peak</td><td>110</td><td>21</td></tr><tr><td>3</td><td>11570.00</td><td>42.83</td><td>54.00</td><td>-11.17</td><td>35.80</td><td>7.03</td><td>Average</td><td>100</td><td>248</td></tr><tr><td>4</td><td>11570.00</td><td>56.02</td><td>74.00</td><td>-17.98</td><td>48.99</td><td>7.03</td><td>Peak</td><td>100</td><td>248</td></tr><tr><td>5</td><td>17355.00</td><td>68.07</td><td>68.20</td><td>-0.13</td><td>61.84</td><td>6.23</td><td>Peak</td><td>108</td><td>211</td></tr></tbody></table> 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).					Freq. 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	65.88	68.20	-2.32	65.64	0.24	Peak	110	21	2	5925.00	60.57	68.20	-7.63	59.38	1.19	Peak	110	21	3	11570.00	42.83	54.00	-11.17	35.80	7.03	Average	100	248	4	11570.00	56.02	74.00	-17.98	48.99	7.03	Peak	100	248	5	17355.00	68.07	68.20	-0.13	61.84	6.23	Peak	108	211
	Freq. 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	65.88	68.20	-2.32	65.64	0.24	Peak	110	21																																																						
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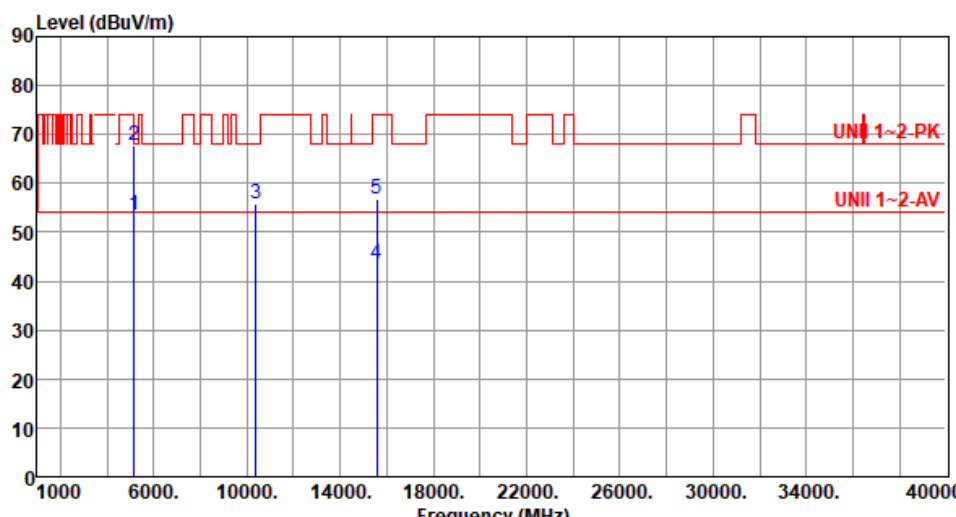


Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5785																																																													
Polarization	Vertical																																																															
Test By :Sean Yu Temperature(°C):25 Humidity(%):62																																																																
																																																																
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																							
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Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5825
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):26 Humidity(%):62			
Level (dBUV/m)			

Modulation	be EHT20-OFDMA	Test Freq. (MHz)	5825																																																																																										
Polarization	Vertical																																																																																												
Test By :Sean Yu Temperature(°C):26 Humidity(%):62																																																																																													
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>60.07</td><td>68.20</td><td>-8.13</td><td>59.83</td><td>0.24</td><td>Peak</td><td>172</td><td>24</td></tr><tr><td>2</td><td>5850.00</td><td>85.70</td><td>122.20</td><td>-36.50</td><td>84.82</td><td>0.88</td><td>Peak</td><td>172</td><td>24</td></tr><tr><td>3</td><td>5855.00</td><td>80.24</td><td>110.80</td><td>-30.56</td><td>79.33</td><td>0.91</td><td>Peak</td><td>172</td><td>24</td></tr><tr><td>4</td><td>5875.00</td><td>65.64</td><td>105.20</td><td>-39.56</td><td>64.64</td><td>1.00</td><td>Peak</td><td>172</td><td>24</td></tr><tr><td>5</td><td>5925.00</td><td>59.95</td><td>68.20</td><td>-8.25</td><td>58.76</td><td>1.19</td><td>Peak</td><td>172</td><td>24</td></tr><tr><td>6</td><td>11650.00</td><td>42.24</td><td>54.00</td><td>-11.76</td><td>35.48</td><td>6.76</td><td>Average</td><td>100</td><td>128</td></tr><tr><td>7</td><td>11650.00</td><td>56.02</td><td>74.00</td><td>-17.98</td><td>49.26</td><td>6.76</td><td>Peak</td><td>100</td><td>128</td></tr><tr><td>8</td><td>17475.00</td><td>60.81</td><td>68.20</td><td>-7.39</td><td>54.22</td><td>6.59</td><td>Peak</td><td>100</td><td>209</td></tr></tbody></table>					Freq. 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	60.07	68.20	-8.13	59.83	0.24	Peak	172	24	2	5850.00	85.70	122.20	-36.50	84.82	0.88	Peak	172	24	3	5855.00	80.24	110.80	-30.56	79.33	0.91	Peak	172	24	4	5875.00	65.64	105.20	-39.56	64.64	1.00	Peak	172	24	5	5925.00	59.95	68.20	-8.25	58.76	1.19	Peak	172	24	6	11650.00	42.24	54.00	-11.76	35.48	6.76	Average	100	128	7	11650.00	56.02	74.00	-17.98	49.26	6.76	Peak	100	128	8	17475.00	60.81	68.20	-7.39	54.22	6.59	Peak	100	209
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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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 :Sean Yu Temperature(°C):26 Humidity(%):62																																																															
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>53.32</td><td>54.00</td><td>-0.68</td><td>53.08</td><td>0.24</td><td>Average</td><td>226</td><td>5</td></tr><tr><td>2</td><td>5150.00</td><td>67.71</td><td>74.00</td><td>-6.29</td><td>67.47</td><td>0.24</td><td>Peak</td><td>226</td><td>5</td></tr><tr><td>3</td><td>10380.00</td><td>55.77</td><td>68.20</td><td>-12.43</td><td>48.63</td><td>7.14</td><td>Peak</td><td>100</td><td>114</td></tr><tr><td>4</td><td>15570.00</td><td>43.53</td><td>54.00</td><td>-10.47</td><td>39.49</td><td>4.04</td><td>Average</td><td>100</td><td>77</td></tr><tr><td>5</td><td>15570.00</td><td>56.73</td><td>74.00</td><td>-17.27</td><td>52.69</td><td>4.04</td><td>Peak</td><td>100</td><td>77</td></tr></tbody></table> 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).					Freq. 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	53.32	54.00	-0.68	53.08	0.24	Average	226	5	2	5150.00	67.71	74.00	-6.29	67.47	0.24	Peak	226	5	3	10380.00	55.77	68.20	-12.43	48.63	7.14	Peak	100	114	4	15570.00	43.53	54.00	-10.47	39.49	4.04	Average	100	77	5	15570.00	56.73	74.00	-17.27	52.69	4.04	Peak	100	77
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
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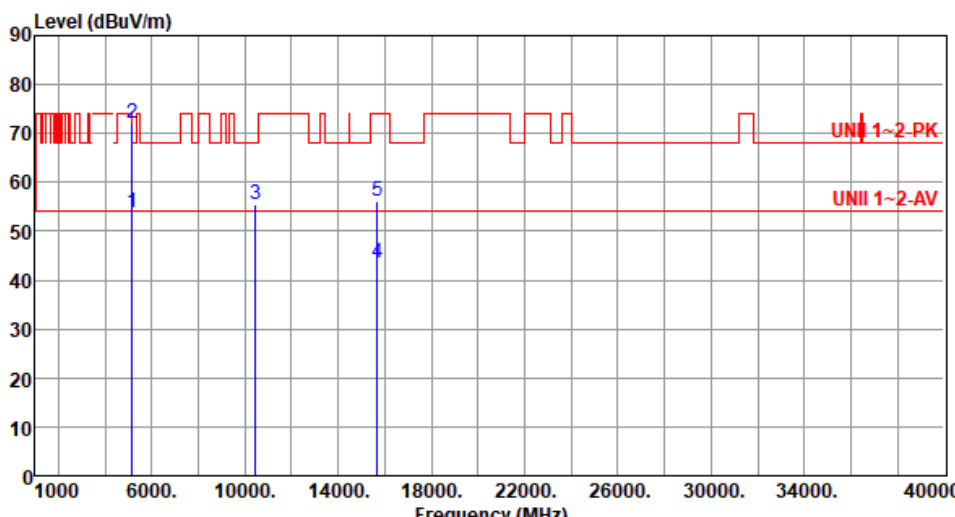


Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5190						
Polarization	Vertical								
Test By :Sean Yu Temperature(°C):26 Humidity(%):62									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	53.35	54.00	-0.65	53.11	0.24	Average	156	9
2	5150.00	66.50	74.00	-7.50	66.26	0.24	Peak	156	9
3	10380.00	55.59	68.20	-12.61	48.45	7.14	Peak	100	81
4	15570.00	43.68	54.00	-10.32	39.64	4.04	Average	100	46
5	15570.00	56.46	74.00	-17.54	52.42	4.04	Peak	100	46
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).									



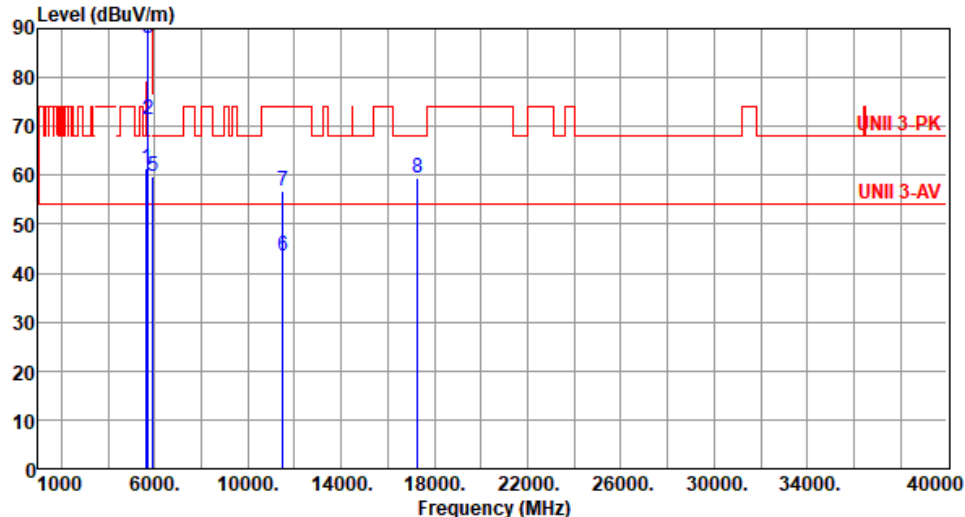
Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5230
Polarization	Horizontal		
Test By :Paul Lin Temperature(°C):25 Humidity(%):64			
Level (dBuV/m) </			



Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5230						
Polarization	Vertical								
Test By :Paul Lin Temperature(°C):25 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	53.78	54.00	-0.22	53.54	0.24	Average	173	12
2	5150.00	71.96	74.00	-2.04	71.72	0.24	Peak	173	12
3	10460.00	55.50	68.20	-12.70	48.26	7.24	Peak	100	107
4	15690.00	43.37	54.00	-10.63	39.45	3.92	Average	100	64
5	15690.00	56.14	74.00	-17.86	52.22	3.92	Peak	100	64
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 :Sean Yu Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) <			

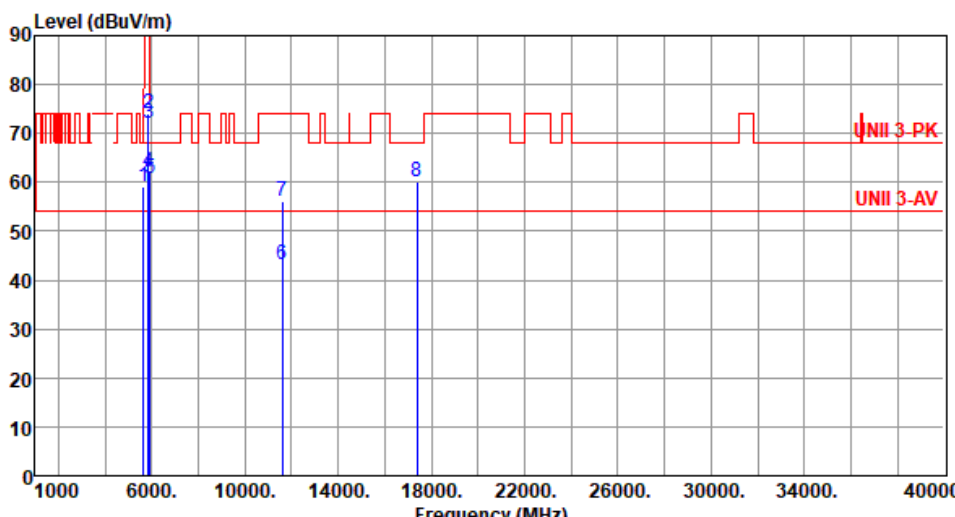


Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5755																																																																																										
Polarization	Vertical																																																																																												
Test By :Sean Yu Temperature(°C):26 Humidity(%):62																																																																																													
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>61.53</td><td>68.20</td><td>-6.67</td><td>61.29</td><td>0.24</td><td>Peak</td><td>161</td><td>23</td></tr><tr><td>2</td><td>5700.00</td><td>71.32</td><td>105.20</td><td>-33.88</td><td>70.85</td><td>0.47</td><td>Peak</td><td>161</td><td>23</td></tr><tr><td>3</td><td>5720.00</td><td>88.12</td><td>110.80</td><td>-22.68</td><td>87.55</td><td>0.57</td><td>Peak</td><td>161</td><td>23</td></tr><tr><td>4</td><td>5725.00</td><td>90.84</td><td>122.20</td><td>-31.36</td><td>90.25</td><td>0.59</td><td>Peak</td><td>161</td><td>23</td></tr><tr><td>5</td><td>5925.00</td><td>59.86</td><td>68.20</td><td>-8.34</td><td>58.67</td><td>1.19</td><td>Peak</td><td>161</td><td>23</td></tr><tr><td>6</td><td>11510.00</td><td>43.42</td><td>54.00</td><td>-10.58</td><td>36.18</td><td>7.24</td><td>Average</td><td>100</td><td>158</td></tr><tr><td>7</td><td>11510.00</td><td>56.86</td><td>74.00</td><td>-17.14</td><td>49.62</td><td>7.24</td><td>Peak</td><td>100</td><td>158</td></tr><tr><td>8</td><td>17265.00</td><td>59.61</td><td>68.20</td><td>-8.59</td><td>53.54</td><td>6.07</td><td>Peak</td><td>100</td><td>59</td></tr></tbody></table> 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).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	61.53	68.20	-6.67	61.29	0.24	Peak	161	23	2	5700.00	71.32	105.20	-33.88	70.85	0.47	Peak	161	23	3	5720.00	88.12	110.80	-22.68	87.55	0.57	Peak	161	23	4	5725.00	90.84	122.20	-31.36	90.25	0.59	Peak	161	23	5	5925.00	59.86	68.20	-8.34	58.67	1.19	Peak	161	23	6	11510.00	43.42	54.00	-10.58	36.18	7.24	Average	100	158	7	11510.00	56.86	74.00	-17.14	49.62	7.24	Peak	100	158	8	17265.00	59.61	68.20	-8.59	53.54	6.07	Peak	100	59
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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8	17265.00	59.61	68.20	-8.59	53.54	6.07	Peak	100	59																																																																																				



Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5795																																																																																										
Polarization	Horizontal																																																																																												
Test By :Sean Yu Temperature(°C):26 Humidity(%):62																																																																																													
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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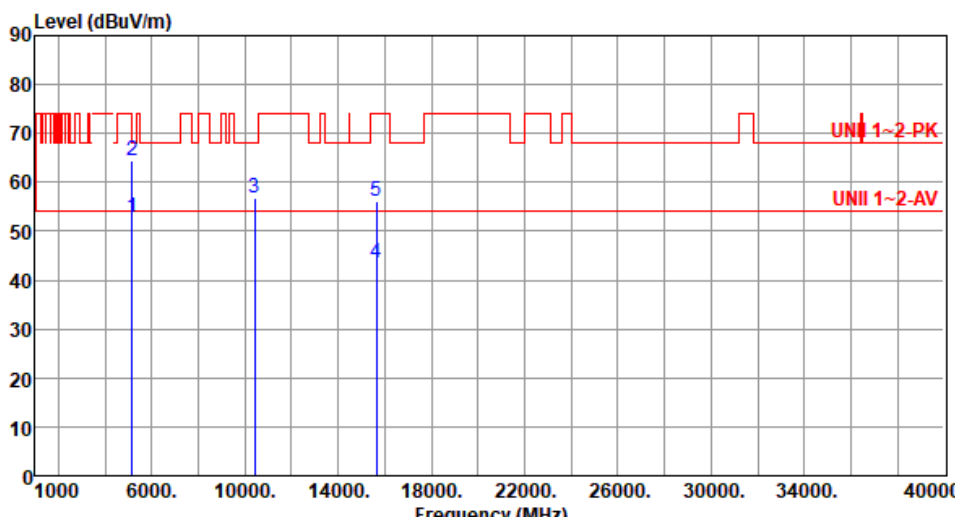
Modulation	be EHT40-OFDMA	Test Freq. (MHz)	5795						
Polarization	Vertical								
Test By :Sean Yu Temperature(°C):26 Humidity(%):62									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.08	68.20	-9.12	58.84	0.24	Peak	108	18
2	5850.00	74.17	122.20	-48.03	73.29	0.88	Peak	108	18
3	5855.00	71.92	110.80	-38.88	71.01	0.91	Peak	108	18
4	5875.00	62.15	105.20	-43.05	61.15	1.00	Peak	108	18
5	5925.00	60.85	68.20	-7.35	59.66	1.19	Peak	108	18
6	11590.00	43.07	54.00	-10.93	36.11	6.96	Average	100	103
7	11590.00	56.15	74.00	-17.85	49.19	6.96	Peak	100	103
8	17385.00	60.00	68.20	-8.20	53.66	6.34	Peak	100	158

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(°C):26 Humidity(%):62			
Level (dBuV/m)			

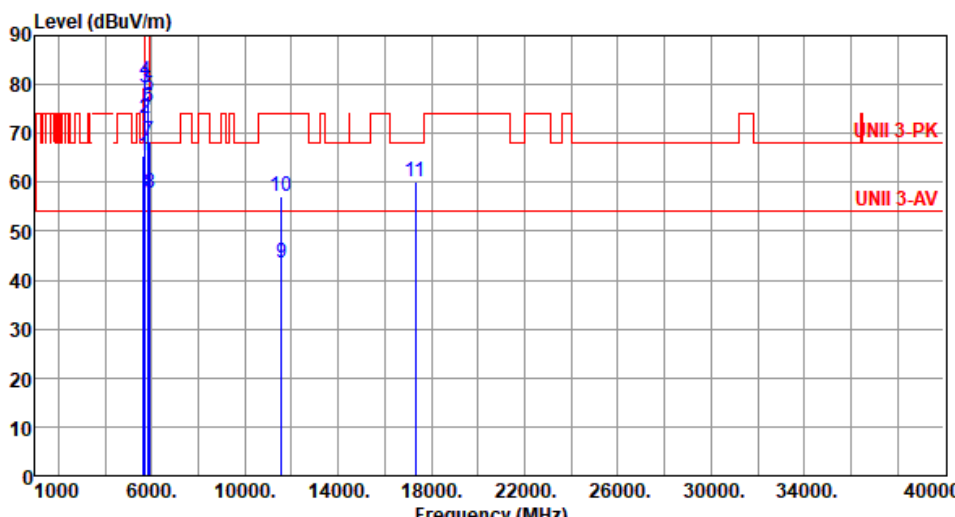


Modulation	be EHT80-OFDMA	Test Freq. (MHz)	5210																																																													
Polarization	Vertical																																																															
Test By :Sean Yu Temperature(°C):26 Humidity(%):62																																																																
																																																																
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Modulation	be EHT80-OFDMA	Test Freq. (MHz)	5775																																																																																																																								
Polarization	Horizontal																																																																																																																										
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																																		
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Polarization	Vertical																																																																																																																										
Test By :Sean Yu Temperature(°C):26 Humidity(%):62																																																																																																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>65.59</td><td>68.20</td><td>-2.61</td><td>65.35</td><td>0.24</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>2</td><td>5700.00</td><td>72.99</td><td>105.20</td><td>-32.21</td><td>72.52</td><td>0.47</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>3</td><td>5720.00</td><td>79.42</td><td>110.80</td><td>-31.38</td><td>78.85</td><td>0.57</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>4</td><td>5725.00</td><td>80.85</td><td>122.20</td><td>-41.35</td><td>80.26</td><td>0.59</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>5</td><td>5850.00</td><td>77.84</td><td>122.20</td><td>-44.36</td><td>76.96</td><td>0.88</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>6</td><td>5855.00</td><td>75.22</td><td>110.80</td><td>-35.58</td><td>74.31</td><td>0.91</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>7</td><td>5875.00</td><td>68.33</td><td>105.20</td><td>-36.87</td><td>67.33</td><td>1.00</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>8</td><td>5925.00</td><td>57.66</td><td>68.20</td><td>-10.54</td><td>56.47</td><td>1.19</td><td>Peak</td><td>116</td><td>14</td></tr><tr><td>9</td><td>11550.00</td><td>43.41</td><td>54.00</td><td>-10.59</td><td>36.31</td><td>7.10</td><td>Average</td><td>100</td><td>69</td></tr><tr><td>10</td><td>11550.00</td><td>57.13</td><td>74.00</td><td>-16.87</td><td>50.03</td><td>7.10</td><td>Peak</td><td>100</td><td>69</td></tr><tr><td>11</td><td>17325.00</td><td>60.03</td><td>68.20</td><td>-8.17</td><td>53.91</td><td>6.12</td><td>Peak</td><td>100</td><td>161</td></tr></tbody></table>					Freq. 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	65.59	68.20	-2.61	65.35	0.24	Peak	116	14	2	5700.00	72.99	105.20	-32.21	72.52	0.47	Peak	116	14	3	5720.00	79.42	110.80	-31.38	78.85	0.57	Peak	116	14	4	5725.00	80.85	122.20	-41.35	80.26	0.59	Peak	116	14	5	5850.00	77.84	122.20	-44.36	76.96	0.88	Peak	116	14	6	5855.00	75.22	110.80	-35.58	74.31	0.91	Peak	116	14	7	5875.00	68.33	105.20	-36.87	67.33	1.00	Peak	116	14	8	5925.00	57.66	68.20	-10.54	56.47	1.19	Peak	116	14	9	11550.00	43.41	54.00	-10.59	36.31	7.10	Average	100	69	10	11550.00	57.13	74.00	-16.87	50.03	7.10	Peak	100	69	11	17325.00	60.03	68.20	-8.17	53.91	6.12	Peak	100	161
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																																		
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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 (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	0.73	0.41	-0.27	-0.65
T20°C Vmin	0.66	0.32	-0.55	-0.91
T40°C Vnom	-6.69	-7.20	-7.77	-7.97
T30°C Vnom	-2.72	-3.63	-4.67	-4.85
T20°C Vnom	0.69	0.30	-0.28	-0.81
T10°C Vnom	4.72	4.07	3.37	3.04
T0°C Vnom	9.33	6.07	4.94	4.07
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 (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	4.18	2.41	0.37	-4.25
T20°C Vmin	4.42	2.52	0.28	-4.04
T40°C Vnom	-7.50	-7.64	-8.07	-8.26
T30°C Vnom	0.27	-0.26	-4.28	-6.02
T20°C Vnom	4.13	2.75	0.45	-4.28
T10°C Vnom	7.52	2.17	-1.97	-3.48
T0°C Vnom	10.25	7.88	7.68	6.39
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 40		Tmin [°C]: 0	

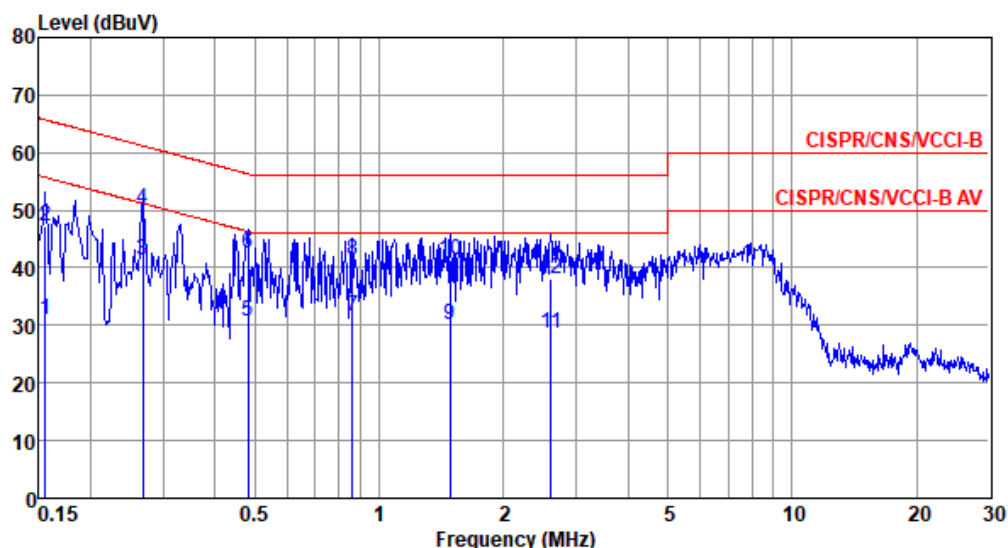


Modulation Mode	be EHT20-OFDMA	Test Freq. (MHz)	5240
Power Phase	Line		

Test by : Joe Liao

Temperature: 23°C

Humidity: 63%



	Freq	Level	Limit	Over	Read	Factor	Cable	Aux	
	MHz	dBuV	Line	Limit	Level		loss		Remark
			dBuV	dB	dBuV	dB	dB	dB	
1	0.156	30.91	55.69	-24.78	21.04	9.63	0.06	0.18	Average
2	0.156	47.09	65.69	-18.60	37.22	9.63	0.06	0.18	QP
3*	0.267	41.23	51.20	-9.97	31.31	9.62	0.06	0.24	Average
4	0.267	50.25	61.20	-10.95	40.33	9.62	0.06	0.24	QP
5	0.481	30.79	46.32	-15.53	20.79	9.62	0.07	0.31	Average
6	0.481	42.37	56.32	-13.95	32.37	9.62	0.07	0.31	QP
7	0.862	31.57	46.00	-14.43	21.51	9.63	0.10	0.33	Average
8	0.862	41.48	56.00	-14.52	31.42	9.63	0.10	0.33	QP
9	1.487	30.19	46.00	-15.81	20.09	9.63	0.12	0.35	Average
10	1.487	41.34	56.00	-14.66	31.24	9.63	0.12	0.35	QP
11	2.608	28.59	46.00	-17.41	18.42	9.64	0.15	0.38	Average
12	2.608	38.19	56.00	-17.81	28.02	9.64	0.15	0.38	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).



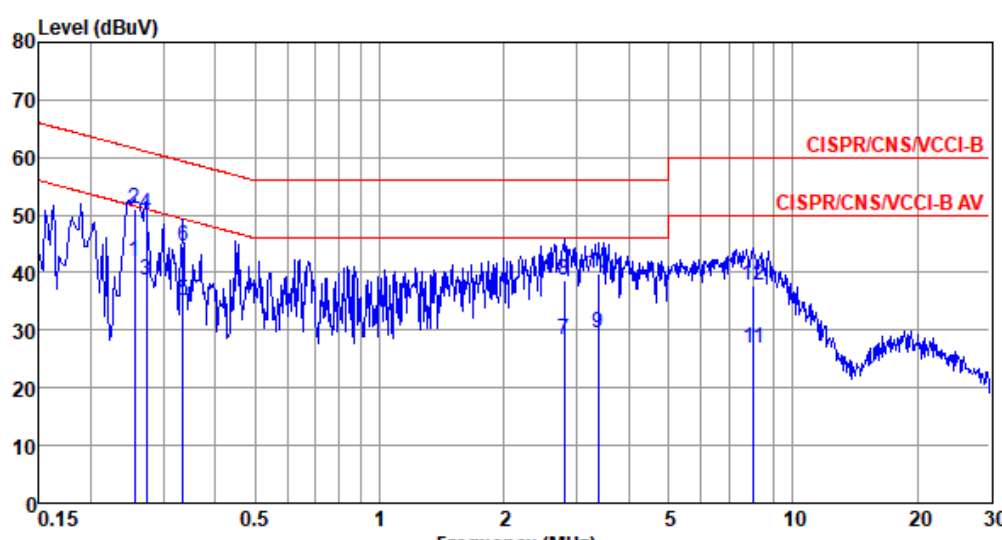
Modulation Mode	be EHT20-OFDMA	Test Freq. (MHz)	5240																																																																																																																																																						
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Test by : Joe Liao Temperature: 23°C Humidity: 63%																																																																																																																																																									
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Modulation Mode	11a	Test Freq. (MHz)	5745																																																																																																																																																						
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Test by : Joe Liao Temperature: 23°C Humidity: 63%																																																																																																																																																									
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1*	0.252	41.70	51.69	-9.99	31.79	9.62	0.06	0.23	Average																																																																																																																																																
2	0.252	50.54	61.69	-11.15	40.63	9.62	0.06	0.23	QP																																																																																																																																																
3	0.276	34.75	50.94	-16.19	24.83	9.62	0.06	0.24	Average																																																																																																																																																
4	0.276	47.83	60.94	-13.11	37.91	9.62	0.06	0.24	QP																																																																																																																																																
5	0.447	32.60	46.93	-14.33	22.61	9.62	0.07	0.30	Average																																																																																																																																																
6	0.447	43.84	56.93	-13.09	33.85	9.62	0.07	0.30	QP																																																																																																																																																
7	1.054	30.23	46.00	-15.77	20.16	9.63	0.11	0.33	Average																																																																																																																																																
8	1.054	40.43	56.00	-15.57	30.36	9.63	0.11	0.33	QP																																																																																																																																																
9	1.654	30.26	46.00	-15.74	20.16	9.63	0.12	0.35	Average																																																																																																																																																
10	1.654	40.34	56.00	-15.66	30.24	9.63	0.12	0.35	QP																																																																																																																																																
11	2.946	27.97	46.00	-18.03	17.78	9.64	0.16	0.39	Average																																																																																																																																																
12	2.946	38.77	56.00	-17.23	28.58	9.64	0.16	0.39	QP																																																																																																																																																

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
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Modulation Mode	11a	Test Freq. (MHz)	5745																																																																																																																																																			
Power Phase	Neutral																																																																																																																																																					
Test by : Joe Liao Temperature: 23°C Humidity: 63%																																																																																																																																																						
 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>Factor</th><th>Cable</th><th>Aux</th><th></th></tr><tr><th>MHz</th><th>dBuV</th><th>Line</th><th>Limit</th><th>Level</th><th>dB</th><th>loss</th><th>dB</th><th>Remark</th></tr><tr><th></th><th></th><th>dBuV</th><th>dB</th><th>dBuV</th><th></th><th>dB</th><th></th><th></th></tr><tr><td>1*</td><td>0.255</td><td>41.80</td><td>51.60</td><td>-9.80</td><td>31.88</td><td>9.63</td><td>0.06</td><td>0.23</td><td>Average</td></tr><tr><td>2</td><td>0.255</td><td>50.99</td><td>61.60</td><td>-10.61</td><td>41.07</td><td>9.63</td><td>0.06</td><td>0.23</td><td>QP</td></tr><tr><td>3</td><td>0.273</td><td>38.77</td><td>51.03</td><td>-12.26</td><td>28.84</td><td>9.63</td><td>0.06</td><td>0.24</td><td>Average</td></tr><tr><td>4</td><td>0.273</td><td>50.20</td><td>61.03</td><td>-10.83</td><td>40.27</td><td>9.63</td><td>0.06</td><td>0.24</td><td>QP</td></tr><tr><td>5</td><td>0.334</td><td>35.20</td><td>49.35</td><td>-14.15</td><td>25.25</td><td>9.62</td><td>0.06</td><td>0.27</td><td>Average</td></tr><tr><td>6</td><td>0.334</td><td>44.66</td><td>59.35</td><td>-14.69</td><td>34.71</td><td>9.62</td><td>0.06</td><td>0.27</td><td>QP</td></tr><tr><td>7</td><td>2.794</td><td>28.23</td><td>46.00</td><td>-17.77</td><td>18.05</td><td>9.64</td><td>0.15</td><td>0.39</td><td>Average</td></tr><tr><td>8</td><td>2.794</td><td>38.71</td><td>56.00</td><td>-17.29</td><td>28.53</td><td>9.64</td><td>0.15</td><td>0.39</td><td>QP</td></tr><tr><td>9</td><td>3.381</td><td>29.38</td><td>46.00</td><td>-16.62</td><td>19.15</td><td>9.65</td><td>0.17</td><td>0.41</td><td>Average</td></tr><tr><td>10</td><td>3.381</td><td>39.79</td><td>56.00</td><td>-16.21</td><td>29.56</td><td>9.65</td><td>0.17</td><td>0.41</td><td>QP</td></tr><tr><td>11</td><td>8.020</td><td>26.87</td><td>50.00</td><td>-23.13</td><td>16.41</td><td>9.70</td><td>0.32</td><td>0.44</td><td>Average</td></tr><tr><td>12</td><td>8.020</td><td>37.91</td><td>60.00</td><td>-22.09</td><td>27.45</td><td>9.70</td><td>0.32</td><td>0.44</td><td>QP</td></tr></table>				Freq	Level	Limit	Over	Read	Factor	Cable	Aux		MHz	dBuV	Line	Limit	Level	dB	loss	dB	Remark			dBuV	dB	dBuV		dB			1*	0.255	41.80	51.60	-9.80	31.88	9.63	0.06	0.23	Average	2	0.255	50.99	61.60	-10.61	41.07	9.63	0.06	0.23	QP	3	0.273	38.77	51.03	-12.26	28.84	9.63	0.06	0.24	Average	4	0.273	50.20	61.03	-10.83	40.27	9.63	0.06	0.24	QP	5	0.334	35.20	49.35	-14.15	25.25	9.62	0.06	0.27	Average	6	0.334	44.66	59.35	-14.69	34.71	9.62	0.06	0.27	QP	7	2.794	28.23	46.00	-17.77	18.05	9.64	0.15	0.39	Average	8	2.794	38.71	56.00	-17.29	28.53	9.64	0.15	0.39	QP	9	3.381	29.38	46.00	-16.62	19.15	9.65	0.17	0.41	Average	10	3.381	39.79	56.00	-16.21	29.56	9.65	0.17	0.41	QP	11	8.020	26.87	50.00	-23.13	16.41	9.70	0.32	0.44	Average	12	8.020	37.91	60.00	-22.09	27.45	9.70	0.32	0.44	QP
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