FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC5301**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**TC5301**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 20, 2021 and testing was performed from Dec. 22, 2021 to May 20, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1D2108G	01	Initial issue of report	Mar. 18, 2022
FR1D2108G	02	1. Add SDM Mode test data 2. Revise Antenna Requirements description	May 31, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i) 15.407(a)(10)	26dB Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)(7)(8)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(7)(8)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(7)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(d)(6)	Contention Based Protocol	Pass	-
3.6	15.407(b)	Unwanted Emissions	Pass	1.18 dB under the limit at 7125.020 MHz
3.7	15.207	AC Conducted Emission	Pass	15.63 dB under the limit at 13.560 MHz
3.8	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC5301
FCC ID	UZ7TC5301
Sample1	Lowell + Premium config
Sample2	SE4720 + Base config
Sample3	Lowell + Base config
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV2
SW Version	11-05-19.00-RG-U00-PRD-ATH-04 99 test-keys
FW Version	FUSION_QA_4_1.0.0.007_R
MFD	03DEC21
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer.

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1X	**Brand Name**	Zebra	**Part Number**	BT-000442-0020
USB TYPE A to TYPE C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Headset Jumper	**Brand Name**	Zebra	**Part Number**	CBL-TC51-HDST35-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-NGTC5-ELEC-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	**Brand Name**	Zebra	**Part Number**	SG-NGTC5EXO1-01

1.2 Product Specification of Equipment Under Test

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>Tx/Rx Frequency Range</td><td>5925 MHz ~ 6425 MHz
6425 MHz ~ 6525 MHz
6525 MHz ~ 6875 MHz
6875 MHz ~ 7125 MHz</td></tr>
<tr><td>Maximum Output Power to Antenna
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MIMO <Ant. 9+8>
<UNII-5>
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<tr><th></th><th>dBm</th><th>W</th></tr>
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<tr><td>802.11n HT40</td><td>10.41</td><td>0.0110</td></tr>
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<tr><td>802.11ac VHT160</td><td>12.71</td><td>0.0187</td></tr>
<tr><td>802.11ax HE20</td><td>7.56</td><td>0.0057</td></tr>
<tr><td>802.11ax HE40</td><td>10.61</td><td>0.0115</td></tr>
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<tr><td>802.11ac VHT160</td><td>12.66</td><td>0.0185</td></tr>
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<tr><td>Maximum Output Power to Antenna
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Product Specification is subject to this standard	
99% Occupied Bandwidth <SDM Mode>	**<Indoor Client>** **MIMO <Ant. 9>** 802.11ax HE20: 19.18 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 77.44 MHz 802.11ax HE160: 156.08 MHz **MIMO <Ant. 8>** 802.11ax HE20: 18.98 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.08 MHz
	<Standard Client> **MIMO <Ant. 9>** 802.11ax HE20: 18.98 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.32 MHz **MIMO <Ant. 8>** 802.11ax HE20: 18.98 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 77.32 MHz 802.11ax HE160: 156.32 MHz
99% Occupied Bandwidth <CDD Mode>	**<Indoor Client>** **MIMO <Ant. 9>** 802.11a: 16.43 MHz **MIMO <Ant. 8>** 802.11a: 16.43 MHz
	<Standard Client> **MIMO <Ant. 9>** 802.11a: 16.48 MHz **MIMO <Ant. 8>** 802.11a: 19.38 MHz
Antenna Type	**<UNII-5>** **<Ant. 9>:** PIFA Antenna with gain 2.9 dBi **<Ant. 8>:** PIFA Antenna with gain 4.0 dBi **<UNII-6>** **<Ant. 9>:** PIFA Antenna with gain 3.2 dBi **<Ant. 8>:** PIFA Antenna with gain 4.0 dBi **<UNII-7>** **<Ant. 9>:** PIFA Antenna with gain 3.3 dBi **<Ant. 8>:** PIFA Antenna with gain 3.9 dBi **<UNII-8>** **<Ant. 9>:** PIFA Antenna with gain 3.4 dBi **<Ant. 8>:** PIFA Antenna with gain 2.8 dBi

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<tr><td>Type of Modulation</td><td>802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)
802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
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<tr><td></td><td>Ant. 9</td><td>Ant. 8</td></tr>
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Remark:

1. MIMO Ant. 9+8 Directional Gain is a calculated result from MIMO Ant. 9 and MIMO Ant. 8. The formula used in calculation is documented in section 3.8.
2. Power of MIMO Ant. 9 + Ant. 8 is a calculated result from sum of the power MIMO Ant. 9 and MIMO Ant. 8.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY, DF02-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH15-HY (TAF Code: 3786)
Remark	The conducted and unwanted emissions test items subcontracted to Sporton International Inc. Wensan Laboratory

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, , the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X plane for CDD Mode as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

BW 20M	**Channel**	1	5	9	13	17	21	25	29
	Freq. (MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	**Channel**	3		11		19		27	
	Freq. (MHz)	5965		6005		6045		6085	
BW 80M	**Channel**	7				23			
	Freq. (MHz)	5985				6065			
BW 160M	**Channel**	15							
	Freq. (MHz)	6025							

BW 20M	**Channel**	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	**Channel**	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	**Channel**	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	**Channel**	47							
	Freq. (MHz)	6185							

BW 20M	Channel	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	Channel	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	Channel	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	Channel	79							
	Freq. (MHz)	6345							

BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							

BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							

BW 20M	Channel	225	229
	Freq. (MHz)	7075	7095
BW 40M	Channel	227	
	Freq. (MHz)	7085	

BW 20M	Channel	233
	Freq. (MHz)	7115

2.2 Test Mode

The indoor client mode has no higher power and PSD than standard client mode, thus the standard client mode is chosen as main test configuration, and the indoor client mode is verified the power and PSD.
The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.
The SDM mode is chosen as worst case configuration for all test cases due to higher power than SISIO, CDD and TXBF mode.
The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

The final test modes consider the modulation and the worst data rates as shown in the table below.

<Standard Client>

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ac VHT160 (Covered by HE160)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

<Indoor Client>

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ac VHT160 (Covered by HE160)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + NFC On + USB TYPE A to TYPE C cable with AC Adapter + 3.5mm Earphone + Headset Jumper + Battery 1X for Sample 2
Remark: For Radiated Test Cases, the tests were performed with Sample 2.	

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE20	802.11ax HE20	802.11ax HE20	802.11ax HE20
Straddle		-	-	-	185
L	Low	001	097	117	189
M	Middle	049	105	149	209
H	High	093	113	181	233
Straddle		-	-	-	-

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE40	802.11ax HE40	802.11ax HE40	802.11ax HE40
Straddle		-	-	-	187
L	Low	003	099	123	195
M	Middle	051	-	147	211
H	High	091	107	179	227
Straddle		-	115	-	-

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE80	802.11ax HE80	802.11ax HE80	802.11ax HE80
Straddle		-	-	-	183
L	Low	007	103	135	199
M	Middle	055		151	-
H	High	087		167	215
Straddle		-	119	-	-

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11ax HE160	802.11ax HE160	802.11ax HE160	802.11ax HE160
Straddle		-	-	-	175
L	Low	015	-	143	207
M	Middle	047			
H	High	079			
Straddle		-	111	-	-

Remark: Based on ANSI C63.10 clause 5.6.2.2, b) Spurious emissions, measure the mode with the highest output power and the mode with highest output power spectral density for each modulation family.

<SDM Mode>

MIMO <Ant. 9+8>

<Indoor Client>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)										
CH 001	5955	**4.12**	CH 001	4.02	3.97	3.87	3.97	3.97	4.02	3.92
CH 049	6195	4.06								
CH 093	6415	4.12								
CH 097	6435	3.31	CH 113	3.87	3.82	3.83	3.87	3.87	3.77	3.77
CH 105	6475	3.82								
CH 113	6515	**3.97**								
CH 117	6535	3.97	CH 185*	3.77	3.77	3.81	3.87	3.87	3.81	3.71
CH 149	6695	3.66								
CH 181	6855	3.82								
CH 185*	6875	**3.97**								
CH 189	6895	4.23	CH 233	5.11	5.11	5.01	5.01	5.11	5.06	5.01
CH 209	6995	4.33								
CH 233	7115	**5.21**								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ax HE20 RF Output Power (dBm)														
Power vs. Channel				Power vs Data Rate										
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index									
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)														
CH 001	5955	Full	**7.56**	CH 001	7.46	7.46	7.51	7.26	7.26	7.31	7.26	7.31	7.36	7.26	7.46
CH 001	5955	26/0	-2.34												
CH 001	5955	52/37	0.66												
CH 001	5955	106/53	3.86												
CH 049	6195	Full	7.17												
CH 049	6195	26/4	-1.13												
CH 049	6195	52/39	0.23												
CH 049	6195	106/53	3.87												
CH 093	6415	Full	7.56												
CH 093	6415	26/8	-2.39												
CH 093	6415	52/40	0.61												
CH 093	6415	106/54	3.47												
CH 097	6435	Full	**7.21**	CH 097	7.11	7.11	7.11	6.97	6.91	6.91	6.96	7.01	7.06	6.96	7.11
CH 097	6435	26/0	-2.09												
CH 097	6435	52/37	0.31												
CH 097	6435	106/53	3.51												
CH 105	6475	Full	6.71												
CH 105	6475	26/4	-2.04												
CH 105	6475	52/39	-0.09												
CH 105	6475	106/54	3.26												
CH 113	6515	Full	7.06												
CH 113	6515	26/8	-2.88												
CH 113	6515	52/40	0.03												
CH 113	6515	106/54	3.17												
CH 117	6535	Full	7.11	CH 185	7.96	7.86	7.91	7.76	7.76	7.71	7.81	7.81	7.81	7.91	7.86
CH 117	6535	26/0	-2.53												
CH 117	6535	52/37	0.36												
CH 117	6535	106/53	3.36												
CH 149	6695	Full	7.31												
CH 149	6695	26/4	-1.32												
CH 149	6695	52/38	0.17												
CH 149	6695	106/53	3.54												
CH 181	6855	Full	7.61												
CH 181	6855	26/8	-1.47												
CH 181	6855	52/40	0.76												
CH 181	6855	106/54	3.92												
CH 185	6875	Full	**8.06**												
CH 185	6875	26/8	-2.09												
CH 185	6875	52/40	0.81												
CH 185	6875	106/54	4.03												
CH 189	6895	Full	**7.61**	CH 189	7.91	7.86	7.76	7.71	7.76	7.76	7.71	7.76	7.81	7.86	7.91
CH 189	6895	26/0	-2.09												
CH 189	6895	52/37	0.76												
CH 189	6895	106/53	3.76												
CH 209	6995	Full	7.56												
CH 209	6995	26/4	-1.24												
CH 209	6995	52/38	0.86												
CH 209	6995	106/53	3.97												
CH 233	7115	Full	-3.74												
CH 233	7115	26/8	-13.79												
CH 233	7115	52/40	-10.79												
CH 233	7115	106/54	-7.99												

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ax HE40 RF Output Power (dBm)														
Power vs. Channel				Power vs Data Rate										
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index									
	Duty Cycle (%)		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
CH 003	5965	Full	10.31	CH 091	10.51	10.46	10.51	10.36	10.46	10.51	10.51	10.46	10.46	10.46	10.51
CH 003	5965	242/61	7.76												
CH 051	6205	Full	**9.77**												
CH 051	6205	242/61	7.01												
CH 091	6405	Full	**10.61**												
CH 091	6405	242/62	7.46												
CH 099	6445	Full	10.01	CH 107	10.06	10.06	10.01	9.86	9.91	9.91	10.01	10.01	9.96	10.01	10.06
CH 099	6445	242/61	6.96												
CH 107	6485	Full	**10.16**												
CH 107	6485	242/62	7.01												
CH 115*	6525	Full	**10.16**												
CH 115*	6525	242/62	7.46												
CH 123	6565	Full	10.11	CH 187*	10.71	10.67	10.61	10.51	10.51	10.56	10.46	10.51	10.61	10.61	10.71
CH 123	6565	242/61	6.96												
CH 147	6685	Full	10.27												
CH 147	6685	242/61	7.46												
CH 179	6845	Full	10.08												
CH 179	6845	242/62	7.31												
CH 187*	6885	Full	**10.81**												
CH 187*	6885	242/62	7.81												
CH 195	6925	Full	10.71	CH 227	10.97	10.92	10.87	10.77	10.71	10.81	10.81	10.82	10.77	10.87	10.97
CH 195	6925	242/61	7.66												
CH 211	7005	Full	**10.77**												
CH 211	7005	242/62	7.81												
CH 227	7085	Full	**11.07**												
CH 227	7085	242/62	8.21												

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ax HE80 RF Output Power (dBm)													
Power vs. Channel				Power vs Data Rate									
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index								
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 007	5985	Full	**12.61**	CH 007	12.56	12.51	12.51	12.41	12.46	12.41	12.51	12.46	12.51	12.46	12.51
CH 007	5985	484/65	9.66												
CH 055	6225	Full	12.42												
CH 055	6225	484/65	9.31												
CH 087	6385	Full	12.34												
CH 087	6385	484/66	9.17												
CH 103	6465	Full	12.42	CH119*	12.61	12.56	12.46	12.41	12.46	12.46	12.51	12.46	12.51	12.61	12.61
CH 103	6465	484/65	9.56												
CH119*	6545	Full	**12.71**												
CH119*	6545	484/66	9.56												
CH 135	6625	Full	12.62	CH 183*	12.71	12.61	12.67	12.61	12.51	12.56	12.61	12.57	12.61	12.66	12.71
CH 135	6625	484/65	9.67												
CH 151	6705	Full	12.57												
CH 151	6705	484/65	9.96												
CH 167	6785	Full	12.68												
CH 167	6785	484/66	9.93												
CH 183*	6865	Full	**12.81**												
CH 183*	6865	484/66	10.21												
CH 199	6945	Full	**12.81**	CH 199	12.71	12.66	12.61	12.51	12.51	12.51	12.56	12.51	12.56	12.66	12.71
CH 199	6945	484/65	9.61												
CH 215	7025	Full	12.56												
CH 215	7025	484/66	9.41												

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ax HE160 RF Output Power (dBm)													
Power vs. Channel				Power vs Data Rate									
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index								
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 015	6025	Full	**12.81**	CH 015	12.71	12.71	12.66	12.61	12.51	12.61	12.67	12.61	12.61	12.66	12.71
CH 015	6025	996/67	10.21												
CH 047	6185	Full	12.47												
CH 047	6185	996/67	10.16												
CH 079	6345	Full	12.52												
CH 079	6345	996/S67	9.41												
CH 111*	6505	Full	**12.76**	CH 111*	12.66	12.61	12.56	12.46	12.46	12.41	12.46	12.51	12.56	12.61	12.66
CH 111*	6505	996/67	10.61												
CH 111*	6505	996/S67	10.21												
CH 143	6665	Full	12.66	CH 175	13.26	13.21	13.21	13.06	13.06	13.11	13.11	13.16	13.16	13.26	13.26
CH 143	6665	996/67	10.72												
CH 175	6825	Full	**13.36**												
CH 175	6825	996/S67	10.96												
CH 207	6985	Full	**12.86**	CH 207	12.76	12.66	12.66	12.56	12.56	12.61	12.66	12.66	12.66	12.71	12.76
CH 207	6985	996/67	10.91												
CH 207	6985	996/S67	10.86												

Note: The above Frequency and Channel in "*" were straddle Channel.

<Standard Client>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)											
CH 001	5955	**12.71**	CH 001	12.61	12.56	12.46	12.46	12.51	12.56	12.61
CH 049	6195	12.37								
CH 093	6415	12.61								
CH 117	6535	**14.96**	CH 117	14.86	14.76	14.66	14.66	14.76	14.76	14.86
CH 149	6695	14.86								
CH 181	6855	14.72								

802.11ax HE20 RF Output Power (dBm)														
Power vs. Channel				Power vs Data Rate										
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index									
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)														
CH 001	5955	Full	**12.91**	CH 001	12.81	12.76	12.76	12.61	12.61	12.71	12.71	12.71	12.76	12.81	12.81
CH 001	5955	26/0	3.61												
CH 001	5955	52/37	5.51												
CH 001	5955	106/53	9.56												
CH 049	6195	Full	12.33												
CH 049	6195	26/4	4.17												
CH 049	6195	52/39	5.93												
CH 049	6195	106/53	8.72												
CH 093	6415	Full	12.77												
CH 093	6415	26/8	2.86												
CH 093	6415	52/40	6.06												
CH 093	6415	106/54	9.26												
CH 117	6535	Full	14.61	CH 149	14.76	14.71	14.66	14.56	14.56	14.61	14.66	14.66	14.71	14.76	14.76
CH 117	6535	26/0	4.96												
CH 117	6535	52/37	8.01												
CH 117	6535	106/53	10.96												
CH 149	6695	Full	**14.86**												
CH 149	6695	26/4	6.27												
CH 149	6695	52/38	8.01												
CH 149	6695	106/53	11.33												
CH 181	6855	Full	14.27												
CH 181	6855	26/8	4.47												
CH 181	6855	52/40	7.46												
CH 181	6855	106/54	10.63												

802.11ax HE40 RF Output Power (dBm)													
Power vs. Channel				Power vs Data Rate									
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index								
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 003	5965	Full	**12.86**	CH 003	12.76	12.66	12.66	12.56	12.56	12.66	12.66	12.66	12.61	12.71	12.76
CH 003	5965	242/61	10.06												
CH 051	6205	Full	12.32												
CH 051	6205	242/61	9.66												
CH 091	6405	Full	12.66												
CH 091	6405	242/62	9.81												
CH 123	6565	Full	14.72	CH 179	14.67	14.57	14.57	14.47	14.47	14.53	14.57	14.57	14.63	14.62	14.67
CH 123	6565	242/61	12.06												
CH 147	6685	Full	14.77												
CH 147	6685	242/61	11.88												
CH 179	6845	Full	**14.77**												
CH 179	6845	242/62	12.17												

802.11ax HE80 RF Output Power (dBm)													
Power vs. Channel				Power vs Data Rate									
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index								
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 007	5985	Full	**12.81**	CH 007	12.71	12.66	12.66	12.51	12.51	12.56	12.61	12.56	12.61	12.66	12.71
CH 007	5985	484/65	10.46												
CH 055	6225	Full	12.66												
CH 055	6225	484/65	10.06												
CH 087	6385	Full	12.66												
CH 087	6385	484/66	9.41												
CH 135	6625	Full	14.52	CH 151	14.61	14.51	14.56	14.41	14.41	14.46	14.46	14.46	14.46	14.56	14.61
CH 135	6625	484/65	11.77												
CH 151	6705	Full	**14.71**												
CH 151	6705	484/65	11.88												
CH 167	6785	Full	14.63												
CH 167	6785	484/66	11.87												

802.11ax HE160 RF Output Power (dBm)													
Power vs. Channel				Power vs Data Rate									
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index								
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 015	6025	Full	**12.81**	CH 015	12.71	12.71	12.66	12.61	12.51	12.61	12.67	12.61	12.61	12.66	12.71
CH 015	6025	996/67	10.21												
CH 047	6185	Full	12.47												
CH 047	6185	996/67	10.16												
CH 079	6345	Full	12.52												
CH 079	6345	996/S67	9.31												
CH 143	6665	Full	**14.67**	CH 143	14.57	14.57	14.47	14.37	14.37	14.37	14.47	14.47	14.52	14.57	14.57
CH 143	6665	996/67	12.63												

<CDD Mode>

MIMO <Ant. 9+8>

<Indoor Client>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M	
Duty Cycle (%)											
CH 001	5955	**4.12**	CH 001	4.02	3.97	3.87	3.97	3.97	4.02	3.92	
CH 049	6195	4.06									
CH 093	6415	4.12									
CH 097	6435	3.31	CH 113	3.87	3.82	3.83	3.87	3.87	3.77	3.77	
CH 105	6475	3.82									
CH 113	6515	**3.97**									
CH 117	6535	3.97	CH 185*	3.77	3.77	3.81	3.87	3.87	3.81	3.71	
CH 149	6695	3.66									
CH 181	6855	3.82									
CH 185*	6875	**3.97**									
CH 189	6895	4.23	CH 233	5.11	5.11	5.01	5.01	5.11	5.06	5.01	
CH 209	6995	4.33									
CH 233	7115	**5.21**									

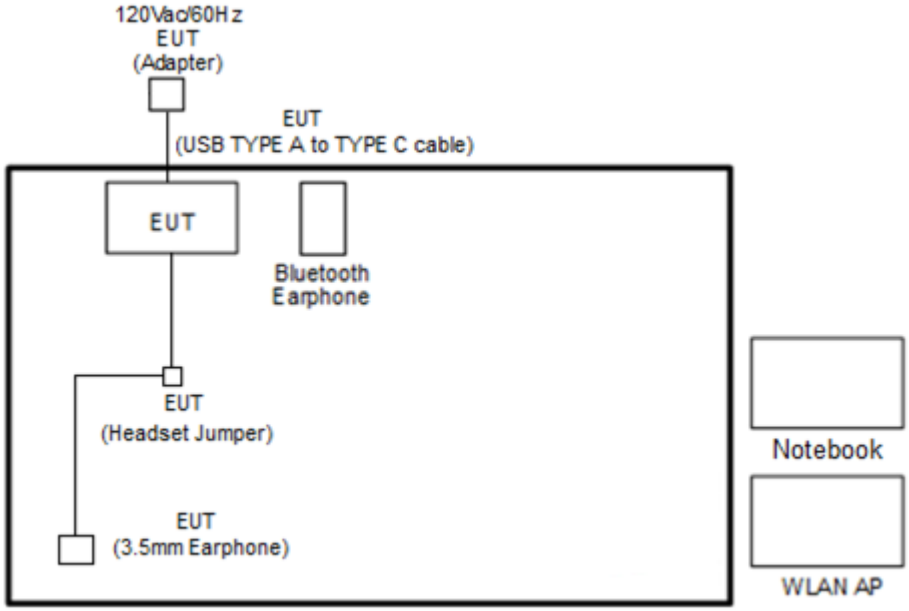
Note: The above Frequency and Channel in "*" were straddle Channel.

<Standard Client>

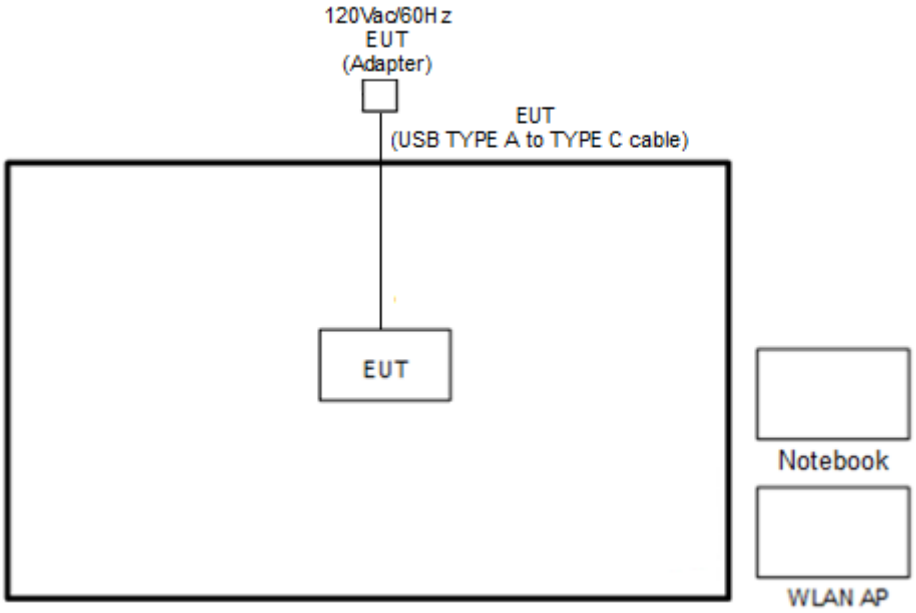
802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M	
Duty Cycle (%)											
CH 001	5955	**12.71**	CH 001	12.61	12.56	12.46	12.46	12.51	12.56	12.61	
CH 049	6195	12.37									
CH 093	6415	12.61									
CH 117	6535	**14.96**	CH 117	14.86	14.76	14.66	14.66	14.76	14.76	14.86	
CH 149	6695	14.86									
CH 181	6855	14.72									

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<Radiated Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Ver.4.0.00195.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Limit of 26dB & 99% Occupied Bandwidth

<FCC 14-30 CFR 15.407>

(a)(10) The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

<SDM Mode>

Test Engineer :	Jacob Yu and Hank Hsu	**Temperature :**	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

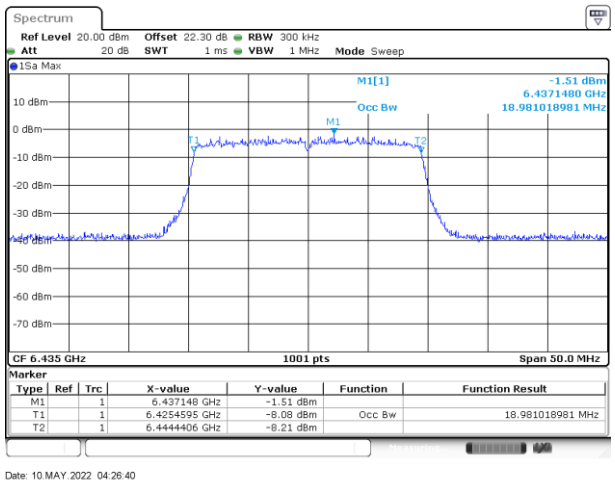
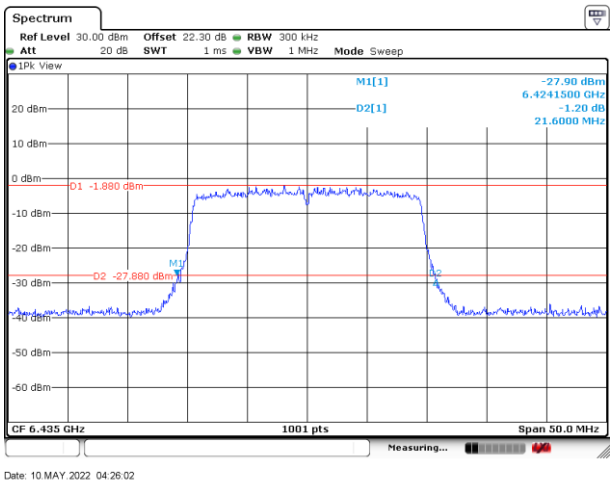
<Indoor Client>

Band VI MIMO										
Mod.	**Data Rate**	**NTX**	**CH.**	**Freq. (MHz)**	**RU Config.**	**99% Bandwidth (MHz)**		**26 dB Bandwidth (MHz)**		**Note**
						Ant 9	**Ant 8**	**Ant 9**	**Ant 8**	
HE20	MCS0	2	097	6435	Full	18.98	18.98	21.60	21.50	
HE20	MCS0	2	105	6475	Full	18.98	18.98	21.55	21.45	
HE20	MCS0	2	113	6515	Full	18.98	18.93	21.45	21.65	
HE40	MCS0	2	099	6445	Full	37.96	38.06	40.41	40.14	
HE40	MCS0	2	107	6485	Full	37.96	38.06	40.50	40.32	
HE80	MCS0	2	103	6465	Full	77.20	77.08	83.36	82.56	
Band VI straddle channel MIMO										
Mod.	**Data Rate**	**NTX**	**CH.**	**Freq. (MHz)**	**RU Config.**	**99% Bandwidth (MHz)**		**26 dB Bandwidth (MHz)**		**Note**
						Ant 9	**Ant 8**	**Ant 9**	**Ant 8**	
HE40	MCS0	2	115	6525	Full	37.86	37.96	40.59	40.23	
HE80	MCS0	2	119	6545	Full	77.44	77.08	82.88	82.72	
HE160	MCS0	2	111	6505	Full	156.08	156.08	166.72	165.76	

Band VIII MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	189	6895	Full	18.93	18.98	21.20	21.40	
HE20	MCS0	2	209	6995	Full	18.98	18.98	21.55	21.20	
HE20	MCS0	2	229	7095	Full	18.93	18.98	21.30	21.15	
HE20	MCS0	2	233	7115	Full	19.18	19.28	21.45	21.45	
HE40	MCS0	2	195	6925	Full	38.06	38.06	40.59	40.32	
HE40	MCS0	2	211	7005	Full	37.96	37.96	40.23	40.50	
HE40	MCS0	2	227	7085	Full	38.06	38.06	39.96	40.14	
HE80	MCS0	2	199	6945	Full	77.20	77.20	82.56	82.88	
HE80	MCS0	2	215	7025	Full	77.20	77.20	82.40	83.04	
HE160	MCS0	2	207	6985	Full	155.84	155.84	164.80	166.08	

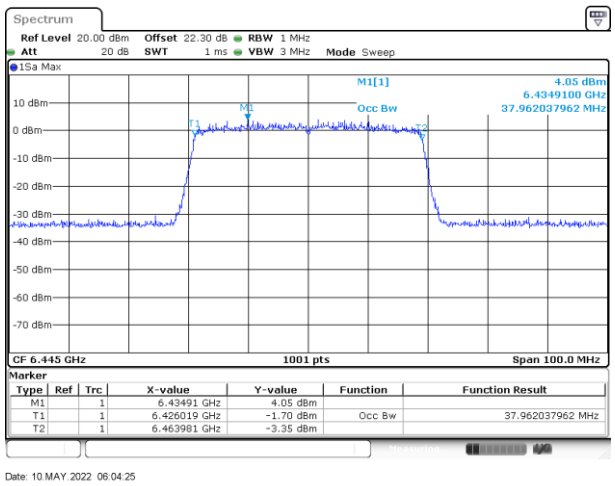
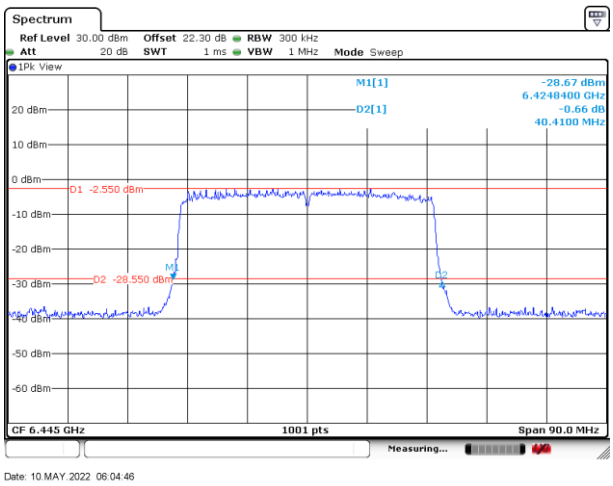
Band VIII straddle channel MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	185	6875	Full	18.98	18.98	21.45	22.00	
HE40	MCS0	2	187	6885	Full	38.06	38.06	40.05	40.32	
HE80	MCS0	2	183	6865	Full	77.20	77.32	83.52	82.88	
HE160	MCS0	2	175	6825	Full	156.08	155.84	165.76	166.08	

<802.11ax HE20>

99% Occupied Bandwidth	26dB Bandwidth
	

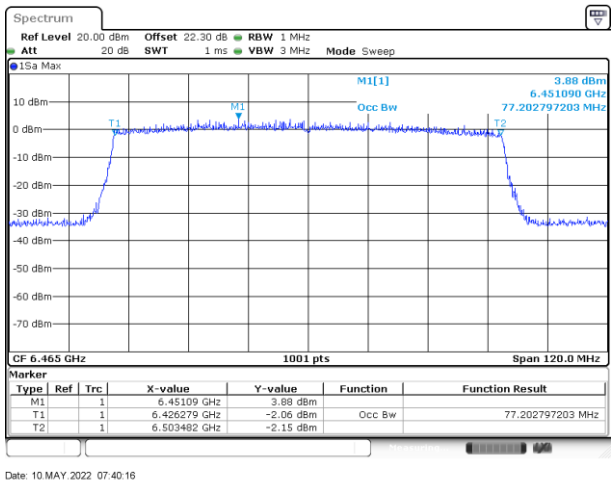
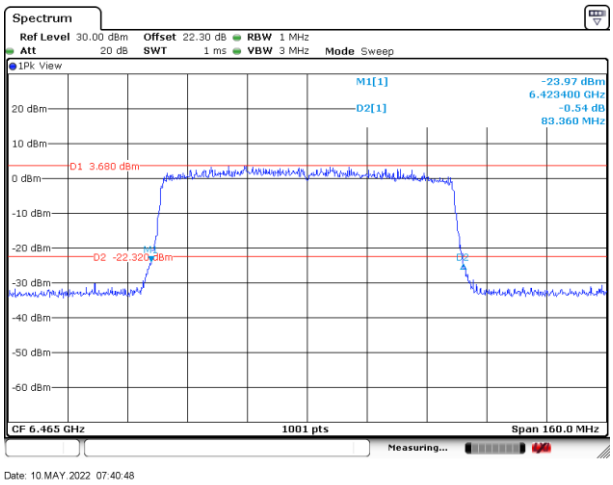
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

99% Occupied Bandwidth	26dB Bandwidth
	

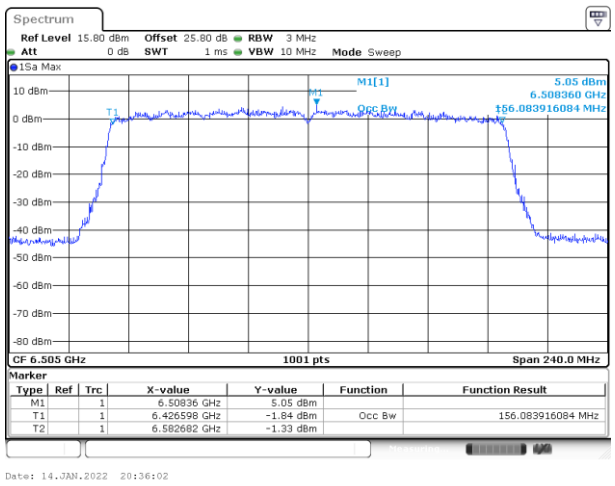
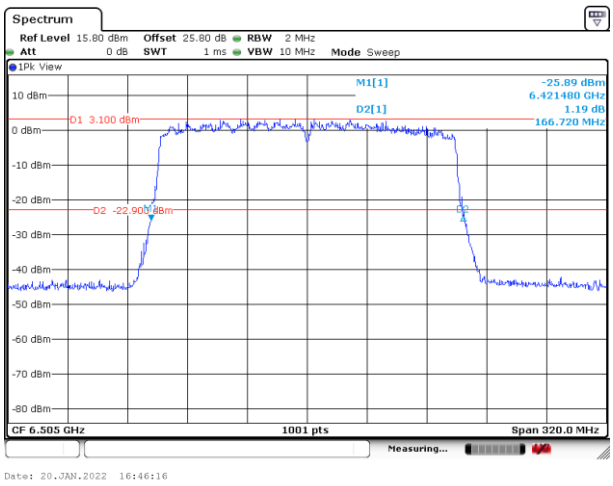
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

99% Occupied Bandwidth	26dB Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

99% Occupied Bandwidth	26dB Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Standard Client>

Test Engineer :	Jacob Yu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

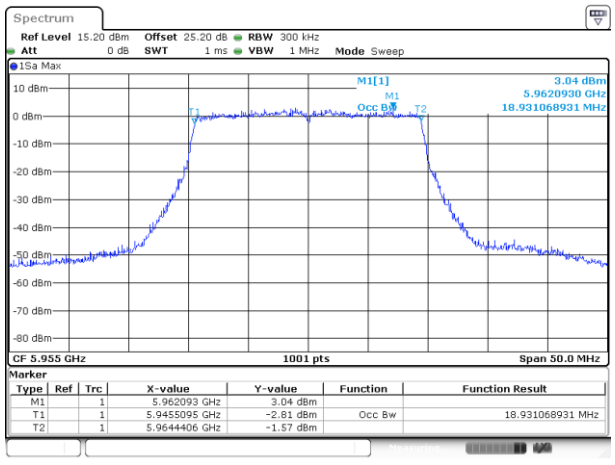
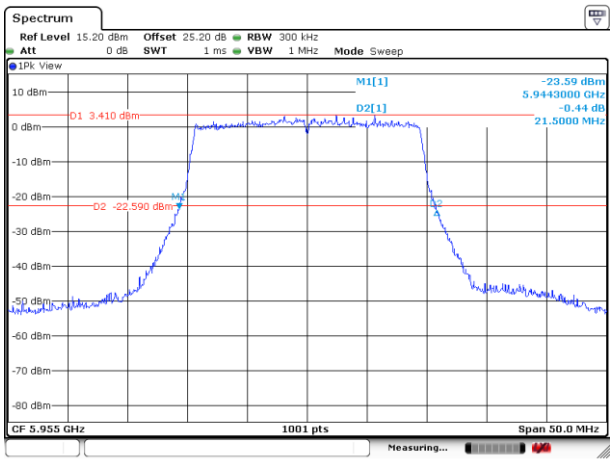
Band V MIMO

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	001	5955	Full	18.93	18.93	21.50	21.45	
HE20	MCS0	2	049	6195	Full	18.98	18.98	21.30	21.25	
HE20	MCS0	2	093	6415	Full	18.93	18.93	21.40	21.70	
HE40	MCS0	2	003	5965	Full	37.96	37.96	39.96	40.32	
HE40	MCS0	2	051	6205	Full	38.06	38.06	40.41	40.32	
HE40	MCS0	2	091	6405	Full	37.86	37.86	40.05	40.32	
HE80	MCS0	2	007	5985	Full	77.32	77.20	83.04	82.88	
HE80	MCS0	2	055	6225	Full	77.20	77.32	82.56	82.56	
HE80	MCS0	2	087	6385	Full	77.08	77.20	82.72	82.72	
HE160	MCS0	2	015	6025	Full	156.08	155.84	165.76	166.72	
HE160	MCS0	2	047	6185	Full	156.32	155.84	166.40	166.08	
HE160	MCS0	2	079	6345	Full	155.84	156.08	166.08	165.12	

Band VII MIMO

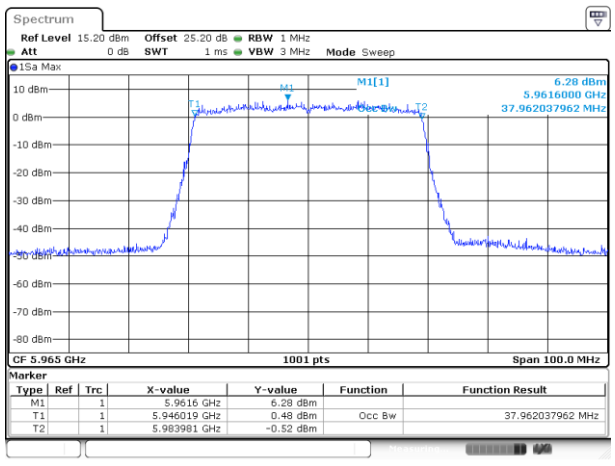
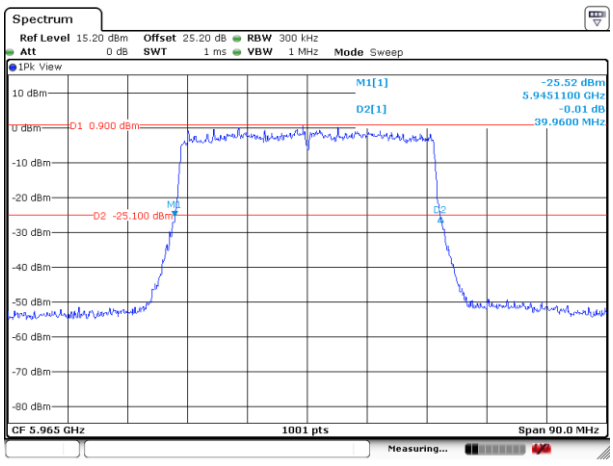
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 9	Ant 8	Ant 9	Ant 8	
HE20	MCS0	2	117	6535	Full	18.93	18.93	21.35	21.25	
HE20	MCS0	2	149	6695	Full	18.88	18.93	21.25	21.30	
HE20	MCS0	2	181	6855	Full	18.93	18.98	21.05	21.15	
HE40	MCS0	2	123	6565	Full	37.86	38.06	40.41	40.68	
HE40	MCS0	2	147	6685	Full	37.86	38.06	40.23	40.23	
HE40	MCS0	2	179	6845	Full	37.86	37.96	40.14	40.50	
HE80	MCS0	2	135	6625	Full	77.20	77.20	82.72	82.88	
HE80	MCS0	2	151	6705	Full	77.32	77.32	82.88	83.04	
HE80	MCS0	2	167	6785	Full	77.20	77.32	82.72	82.40	
HE160	MCS0	2	143	6665	Full	156.08	156.32	165.76	166.40	

<802.11ax HE20>

99% Occupied Bandwidth	26dB Bandwidth
	

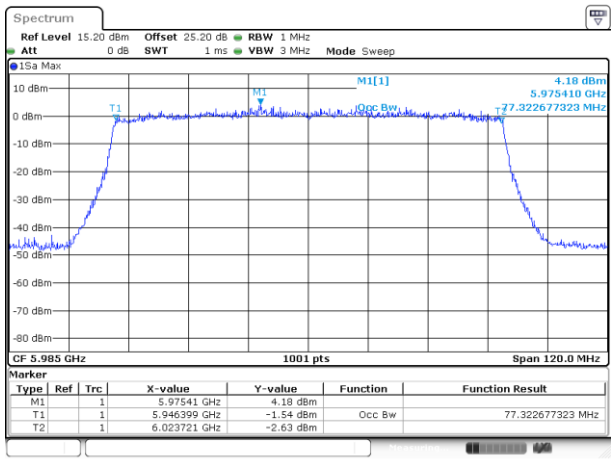
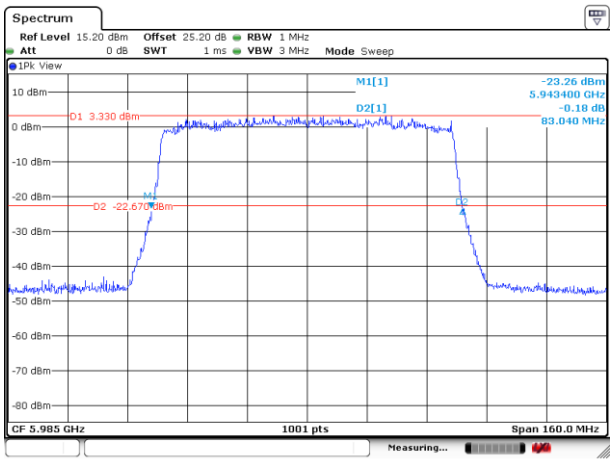
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

99% Occupied Bandwidth	26dB Bandwidth
	

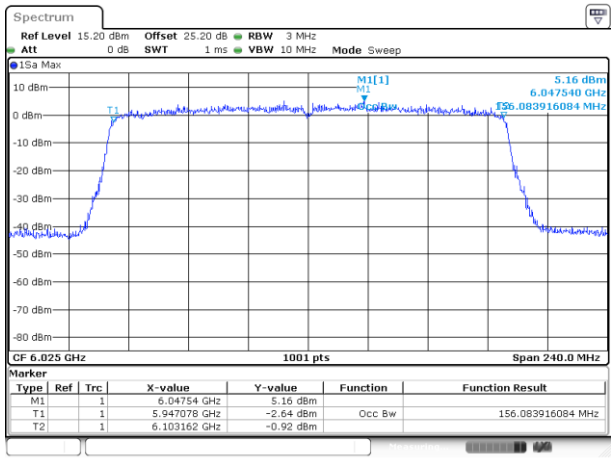
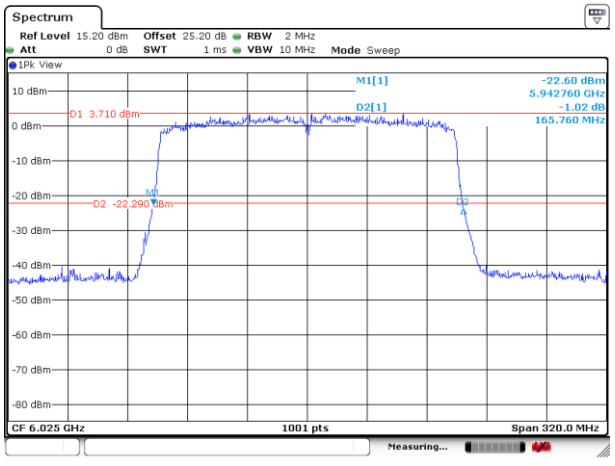
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

99% Occupied Bandwidth	26dB Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

99% Occupied Bandwidth	26dB Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<CDD Mode>

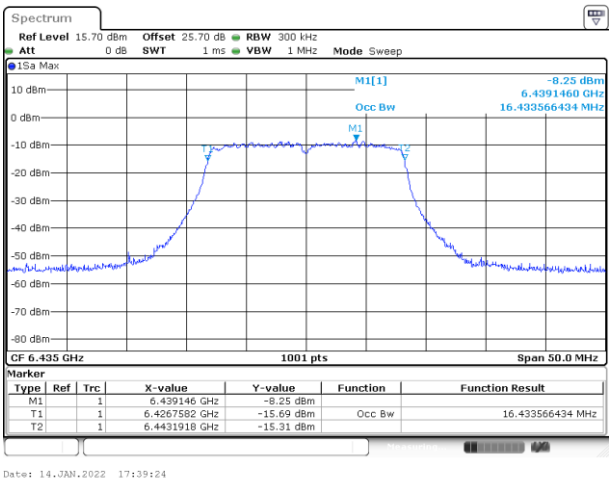
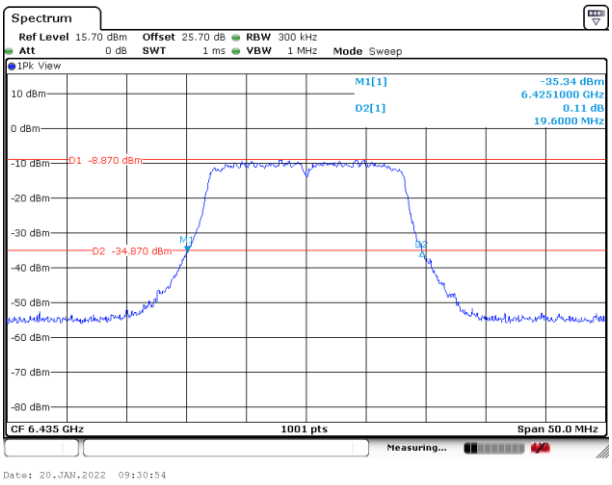
Test Engineer :	Jacob Yu and Hank Hsu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

<Indoor Client>

Band VI MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	097	6435	16.43	16.38	19.60	19.60	
11a	6Mbps	2	105	6475	16.38	16.43	19.65	19.45	
11a	6Mbps	2	113	6515	16.43	16.38	19.60	19.45	

Band VIII MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	189	6895	16.43	16.38	19.50	19.45	
11a	6Mbps	2	209	6995	16.43	16.43	19.40	19.40	
11a	6Mbps	2	233	7115	16.43	16.38	19.55	19.55	
Band VIII Straddle Channel MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	185	6875	16.43	16.38	19.65	19.45	

<802.11a>

99% Occupied Bandwidth	26dB Bandwidth
	

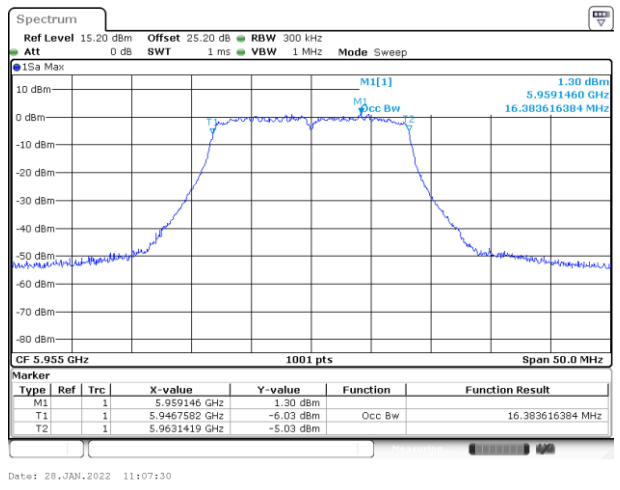
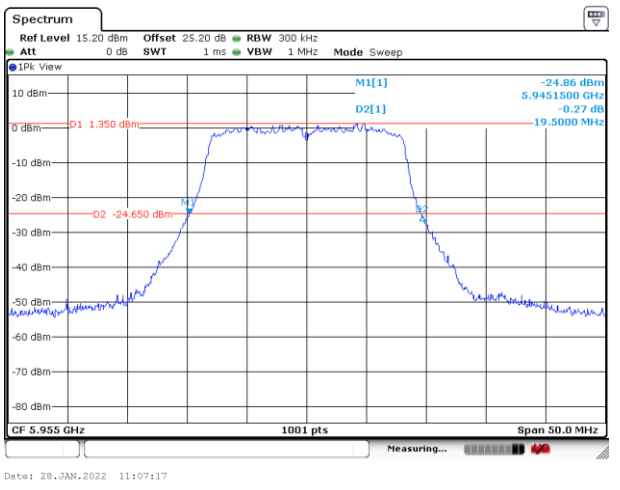
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Standard Client>

Band V MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	001	5955	16.38	16.43	19.50	19.60	
11a	6Mbps	2	049	6195	16.43	16.38	19.40	19.50	
11a	6Mbps	2	093	6415	16.43	16.38	19.65	19.40	

Band VII MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 9	Ant 8	Ant 9	Ant 8	
11a	6Mbps	2	117	6535	16.43	19.38	19.60	19.40	
11a	6Mbps	2	149	6695	16.43	16.38	19.75	19.50	
11a	6Mbps	2	181	6855	16.48	16.38	19.45	19.45	

<802.11a>

99% Occupied Bandwidth	26dB Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

(a)(7) For client devices, except for fixed client devices as defined in this subpart, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

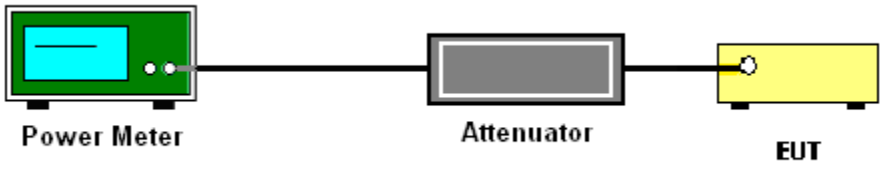
<CDD Modes>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Fundamental Maximum EIRP

<SDM Mode>

Test Engineer :	Jacob Yu and Hank Hsu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

<Indoor Client>

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT20	MCS0	2	001	5955	4.50	4.20	7.36	4.00		11.36	24.00	Pass
HT20	MCS0	2	049	6195	4.30	3.60	6.97	4.00		10.97	24.00	Pass
HT20	MCS0	2	093	6415	4.50	4.20	7.36	4.00		11.36	24.00	Pass
HT40	MCS0	2	003	5965	7.10	7.10	10.11	4.00		14.11	24.00	Pass
HT40	MCS0	2	051	6205	6.80	6.30	9.57	4.00		13.57	24.00	Pass
HT40	MCS0	2	091	6405	7.40	7.40	10.41	4.00		14.41	24.00	Pass
VHT20	MCS0	2	001	5955	4.60	4.30	7.46	4.00		11.46	24.00	Pass
VHT20	MCS0	2	049	6195	4.40	3.70	7.07	4.00		11.07	24.00	Pass
VHT20	MCS0	2	093	6415	4.60	4.30	7.46	4.00		11.46	24.00	Pass
VHT40	MCS0	2	003	5965	7.20	7.20	10.21	4.00		14.21	24.00	Pass
VHT40	MCS0	2	051	6205	6.90	6.40	9.67	4.00		13.67	24.00	Pass
VHT40	MCS0	2	091	6405	7.50	7.50	10.51	4.00		14.51	24.00	Pass
VHT80	MCS0	2	007	5985	9.60	9.40	12.51	4.00		16.51	24.00	Pass
VHT80	MCS0	2	055	6225	9.60	9.00	12.32	4.00		16.32	24.00	Pass
VHT80	MCS0	2	087	6385	9.70	8.70	12.24	4.00		16.24	24.00	Pass
VHT160	MCS0	2	015	6025	9.90	9.50	12.71	4.00		16.71	24.00	Pass
VHT160	MCS0	2	047	6185	9.70	9.00	12.37	4.00		16.37	24.00	Pass
VHT160	MCS0	2	079	6345	9.70	9.10	12.42	4.00		16.42	24.00	Pass

FCC Band VI MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT20	MCS0	2	097	6435	4.20	3.80	7.01	4.00		11.01	24.00	Pass
HT20	MCS0	2	105	6475	3.60	3.40	6.51	4.00		10.51	24.00	Pass
HT20	MCS0	2	113	6515	4.00	3.70	6.86	4.00		10.86	24.00	Pass
HT40	MCS0	2	099	6445	6.90	6.70	9.81	4.00		13.81	24.00	Pass
HT40	MCS0	2	107	6485	6.90	7.00	9.96	4.00		13.96	24.00	Pass
VHT20	MCS0	2	097	6435	4.30	3.90	7.11	4.00		11.11	24.00	Pass
VHT20	MCS0	2	105	6475	3.70	3.50	6.61	4.00		10.61	24.00	Pass
VHT20	MCS0	2	113	6515	4.10	3.80	6.96	4.00		10.96	24.00	Pass
VHT40	MCS0	2	099	6445	7.00	6.80	9.91	4.00		13.91	24.00	Pass
VHT40	MCS0	2	107	6485	7.00	7.10	10.06	4.00		14.06	24.00	Pass
VHT80	MCS0	2	103	6465	9.60	9.00	12.32	4.00		16.32	24.00	Pass

FCC Band VI straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT40	MCS0	2	115	6525	7.20	7.10	10.16	4.00		14.16	24.00	Pass
VHT40	MCS0	2	115	6525	7.30	7.20	10.26	4.00		14.26	24.00	Pass
VHT80	MCS0	2	119	6545	9.70	9.50	12.61	4.00		16.61	24.00	Pass
VHT160	MCS0	2	111	6505	9.70	9.60	12.66	4.00		16.66	24.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT20	MCS0	2	117	6535	3.80	4.00	6.91	3.90		10.81	24.00	Pass
HT20	MCS0	2	149	6695	4.10	4.10	7.11	3.90		11.01	24.00	Pass
HT20	MCS0	2	181	6855	4.60	4.20	7.41	3.90		11.31	24.00	Pass
HT40	MCS0	2	123	6565	6.90	6.90	9.91	3.90		13.81	24.00	Pass
HT40	MCS0	2	147	6685	7.30	6.80	10.07	3.90		13.97	24.00	Pass
HT40	MCS0	2	179	6845	7.30	6.40	9.88	3.90		13.78	24.00	Pass
VHT20	MCS0	2	117	6535	3.90	4.10	7.01	3.90		10.91	24.00	Pass
VHT20	MCS0	2	149	6695	4.20	4.20	7.21	3.90		11.11	24.00	Pass
VHT20	MCS0	2	181	6855	4.70	4.30	7.51	3.90		11.41	24.00	Pass
VHT40	MCS0	2	123	6565	7.00	7.00	10.01	3.90		13.91	24.00	Pass
VHT40	MCS0	2	147	6685	7.40	6.90	10.17	3.90		14.07	24.00	Pass
VHT40	MCS0	2	179	6845	7.40	6.50	9.98	3.90		13.88	24.00	Pass
VHT80	MCS0	2	135	6625	9.80	9.20	12.52	3.90		16.42	24.00	Pass
VHT80	MCS0	2	151	6705	9.70	9.20	12.47	3.90		16.37	24.00	Pass
VHT80	MCS0	2	167	6785	10.00	9.10	12.58	3.90		16.48	24.00	Pass
VHT160	MCS0	2	143	6665	9.70	9.40	12.56	3.90		16.46	24.00	Pass

FCC Band VIII MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	189	6895	0.80	1.60	4.23	3.40		7.63	24.00	Pass
11a	6Mbps	2	209	6995	0.90	1.70	4.33	3.40		7.73	24.00	Pass
11a	6Mbps	2	233	7115	2.00	2.40	5.21	3.40		8.61	24.00	Pass
HT20	MCS0	2	189	6895	4.40	4.40	7.41	3.40		10.81	24.00	Pass
HT20	MCS0	2	209	6995	4.40	4.30	7.36	3.40		10.76	24.00	Pass
HT20	MCS0	2	233	7115	-6.90	-7.00	-3.94	3.40		-0.54	24.00	Pass
HT40	MCS0	2	195	6925	7.70	7.30	10.51	3.40		13.91	24.00	Pass
HT40	MCS0	2	211	7005	7.90	7.20	10.57	3.40		13.97	24.00	Pass
HT40	MCS0	2	227	7085	8.10	7.60	10.87	3.40		14.27	24.00	Pass
VHT20	MCS0	2	189	6895	4.50	4.50	7.51	3.40		10.91	24.00	Pass
VHT20	MCS0	2	209	6995	4.50	4.40	7.46	3.40		10.86	24.00	Pass
VHT20	MCS0	2	233	7115	-6.80	-6.90	-3.84	3.40		-0.44	24.00	Pass
VHT40	MCS0	2	195	6925	7.80	7.40	10.61	3.40		14.01	24.00	Pass
VHT40	MCS0	2	211	7005	8.00	7.30	10.67	3.40		14.07	24.00	Pass
VHT40	MCS0	2	227	7085	8.20	7.70	10.97	3.40		14.37	24.00	Pass
VHT80	MCS0	2	199	6945	9.80	9.60	12.71	3.40		16.11	24.00	Pass
VHT80	MCS0	2	215	7025	9.50	9.40	12.46	3.40		15.86	24.00	Pass
VHT160	MCS0	2	207	6985	9.60	9.90	12.76	3.40		16.16	24.00	Pass

FCC Band VIII straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	185	6875	0.70	1.20	3.97	3.40		7.37	24.00	Pass
HT20	MCS0	2	185	6875	5.20	5.10	8.16	3.40		11.56	24.00	Pass
HT40	MCS0	2	187	6885	8.10	7.70	10.91	3.40		14.31	24.00	Pass
VHT20	MCS0	2	185	6875	5.30	5.20	8.26	3.40		11.66	24.00	Pass
VHT40	MCS0	2	187	6885	8.20	7.80	11.01	3.40		14.41	24.00	Pass
VHT80	MCS0	2	183	6865	9.90	9.50	12.71	3.40		16.11	24.00	Pass
VHT160	MCS0	2	175	6825	10.30	10.20	13.26	3.40		16.66	24.00	Pass

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	4.70	4.40	7.56	4.00		11.56	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-5.30	-5.40	-2.34	4.00		1.66	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-2.30	-2.40	0.66	4.00		4.66	24.00	Pass
HE20	MCS0	2	001	5955	106/53	0.80	0.90	3.86	4.00		7.86	24.00	Pass
HE20	MCS0	2	049	6195	Full	4.50	3.80	7.17	4.00		11.17	24.00	Pass
HE20	MCS0	2	049	6195	26/4	-3.80	-4.50	-1.13	4.00		2.87	24.00	Pass
HE20	MCS0	2	049	6195	52/39	-2.40	-3.20	0.23	4.00		4.23	24.00	Pass
HE20	MCS0	2	049	6195	106/53	1.20	0.50	3.87	4.00		7.87	24.00	Pass
HE20	MCS0	2	093	6415	Full	4.70	4.40	7.56	4.00		11.56	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-5.30	-5.50	-2.39	4.00		1.61	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-2.40	-2.40	0.61	4.00		4.61	24.00	Pass
HE20	MCS0	2	093	6415	106/54	0.20	0.70	3.47	4.00		7.47	24.00	Pass
HE40	MCS0	2	003	5965	Full	7.30	7.30	10.31	4.00		14.31	24.00	Pass
HE40	MCS0	2	003	5965	242/61	4.70	4.80	7.76	4.00		11.76	24.00	Pass
HE40	MCS0	2	051	6205	Full	7.00	6.50	9.77	4.00		13.77	24.00	Pass
HE40	MCS0	2	051	6205	242/61	4.20	3.80	7.01	4.00		11.01	24.00	Pass
HE40	MCS0	2	091	6405	Full	7.60	7.60	10.61	4.00		14.61	24.00	Pass
HE40	MCS0	2	091	6405	242/62	4.60	4.30	7.46	4.00		11.46	24.00	Pass
HE80	MCS0	2	007	5985	Full	9.70	9.50	12.61	4.00		16.61	24.00	Pass
HE80	MCS0	2	007	5985	484/65	6.70	6.60	9.66	4.00		13.66	24.00	Pass
HE80	MCS0	2	055	6225	Full	9.70	9.10	12.42	4.00		16.42	24.00	Pass
HE80	MCS0	2	055	6225	484/65	6.30	6.30	9.31	4.00		13.31	24.00	Pass
HE80	MCS0	2	087	6385	Full	9.80	8.80	12.34	4.00		16.34	24.00	Pass
HE80	MCS0	2	087	6385	484/66	6.40	5.90	9.17	4.00		13.17	24.00	Pass
HE160	MCS0	2	015	6025	Full	10.00	9.60	12.81	4.00		16.81	24.00	Pass
HE160	MCS0	2	015	6025	996/67	7.30	7.10	10.21	4.00		14.21	24.00	Pass
HE160	MCS0	2	047	6185	Full	9.80	9.10	12.47	4.00		16.47	24.00	Pass
HE160	MCS0	2	047	6185	996/67	7.10	7.20	10.16	4.00		14.16	24.00	Pass
HE160	MCS0	2	079	6345	Full	9.80	9.20	12.52	4.00		16.52	24.00	Pass
HE160	MCS0	2	079	6345	996/S67	6.60	6.20	9.41	4.00		13.41	24.00	Pass

FCC Band VI MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	097	6435	Full	4.40	4.00	7.21	4.00		11.21	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-5.10	-5.10	-2.09	4.00		1.91	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-2.70	-2.70	0.31	4.00		4.31	24.00	Pass
HE20	MCS0	2	097	6435	106/53	0.50	0.50	3.51	4.00		7.51	24.00	Pass
HE20	MCS0	2	105	6475	Full	3.80	3.60	6.71	4.00		10.71	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-5.10	-5.00	-2.04	4.00		1.96	24.00	Pass
HE20	MCS0	2	105	6475	52/39	-3.20	-3.00	-0.09	4.00		3.91	24.00	Pass
HE20	MCS0	2	105	6475	106/54	0.10	0.40	3.26	4.00		7.26	24.00	Pass
HE20	MCS0	2	113	6515	Full	4.20	3.90	7.06	4.00		11.06	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-6.20	-5.60	-2.88	4.00		1.12	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-3.40	-2.60	0.03	4.00		4.03	24.00	Pass
HE20	MCS0	2	113	6515	106/54	-0.10	0.40	3.17	4.00		7.17	24.00	Pass
HE40	MCS0	2	099	6445	Full	7.10	6.90	10.01	4.00		14.01	24.00	Pass
HE40	MCS0	2	099	6445	242/61	4.10	3.80	6.96	4.00		10.96	24.00	Pass
HE40	MCS0	2	107	6485	Full	7.10	7.20	10.16	4.00		14.16	24.00	Pass
HE40	MCS0	2	107	6485	242/62	4.10	3.90	7.01	4.00		11.01	24.00	Pass
HE80	MCS0	2	103	6465	Full	9.70	9.10	12.42	4.00		16.42	24.00	Pass
HE80	MCS0	2	103	6465	484/65	6.60	6.50	9.56	4.00		13.56	24.00	Pass

FCC Band VI straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE40	MCS0	2	115	6525	Full	7.20	7.10	10.16	4.00		14.16	24.00	Pass
HE40	MCS0	2	115	6525	242/62	4.40	4.50	7.46	4.00		11.46	24.00	Pass
HE80	MCS0	2	119	6545	Full	9.80	9.60	12.71	4.00		16.71	24.00	Pass
HE80	MCS0	2	119	6545	484/66	6.50	6.60	9.56	4.00		13.56	24.00	Pass
HE160	MCS0	2	111	6505	Full	9.70	9.80	12.76	4.00		16.76	24.00	Pass
HE160	MCS0	2	111	6505	996/67	7.60	7.60	10.61	4.00		14.61	24.00	Pass
HE160	MCS0	2	111	6505	996/S67	7.10	7.30	10.21	4.00		14.21	24.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	4.00	4.20	7.11	3.90		11.01	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-5.30	-5.80	-2.53	3.90		1.37	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-2.50	-2.80	0.36	3.90		4.26	24.00	Pass
HE20	MCS0	2	117	6535	106/53	0.40	0.30	3.36	3.90		7.26	24.00	Pass
HE20	MCS0	2	149	6695	Full	4.30	4.30	7.31	3.90		11.21	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-3.90	-4.80	-1.32	3.90		2.58	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-2.50	-3.20	0.17	3.90		4.07	24.00	Pass
HE20	MCS0	2	149	6695	106/53	1.00	0.00	3.54	3.90		7.44	24.00	Pass
HE20	MCS0	2	181	6855	Full	4.80	4.40	7.61	3.90		11.51	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-4.90	-4.10	-1.47	3.90		2.43	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-2.10	-2.40	0.76	3.90		4.66	24.00	Pass
HE20	MCS0	2	181	6855	106/54	1.20	0.60	3.92	3.90		7.82	24.00	Pass
HE40	MCS0	2	123	6565	Full	7.10	7.10	10.11	3.90		14.01	24.00	Pass
HE40	MCS0	2	123	6565	242/61	4.10	3.80	6.96	3.90		10.86	24.00	Pass
HE40	MCS0	2	147	6685	Full	7.50	7.00	10.27	3.90		14.17	24.00	Pass
HE40	MCS0	2	147	6685	242/61	4.60	4.30	7.46	3.90		11.36	24.00	Pass
HE40	MCS0	2	179	6845	Full	7.50	6.60	10.08	3.90		13.98	24.00	Pass
HE40	MCS0	2	179	6845	242/62	4.40	4.20	7.31	3.90		11.21	24.00	Pass
HE80	MCS0	2	135	6625	Full	9.90	9.30	12.62	3.90		16.52	24.00	Pass
HE80	MCS0	2	135	6625	484/65	7.00	6.30	9.67	3.90		13.57	24.00	Pass
HE80	MCS0	2	151	6705	Full	9.80	9.30	12.57	3.90		16.47	24.00	Pass
HE80	MCS0	2	151	6705	484/65	7.00	6.90	9.96	3.90		13.86	24.00	Pass
HE80	MCS0	2	167	6785	Full	10.10	9.20	12.68	3.90		16.58	24.00	Pass
HE80	MCS0	2	167	6785	484/66	7.30	6.50	9.93	3.90		13.83	24.00	Pass
HE160	MCS0	2	143	6665	Full	9.80	9.50	12.66	3.90		16.56	24.00	Pass
HE160	MCS0	2	143	6665	996/67	8.00	7.40	10.72	3.90		14.62	24.00	Pass

Band VIII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	189	6895	Full	4.60	4.60	7.61	3.40		11.01	24.00	Pass
HE20	MCS0	2	189	6895	26/0	-4.90	-5.30	-2.09	3.40		1.31	24.00	Pass
HE20	MCS0	2	189	6895	52/37	-2.10	-2.40	0.76	3.40		4.16	24.00	Pass
HE20	MCS0	2	189	6895	106/53	0.80	0.70	3.76	3.40		7.16	24.00	Pass
HE20	MCS0	2	209	6995	Full	4.60	4.50	7.56	3.40		10.96	24.00	Pass
HE20	MCS0	2	209	6995	26/4	-4.20	-4.30	-1.24	3.40		2.16	24.00	Pass
HE20	MCS0	2	209	6995	52/38	-2.30	-2.00	0.86	3.40		4.26	24.00	Pass
HE20	MCS0	2	209	6995	106/53	1.20	0.70	3.97	3.40		7.37	24.00	Pass
HE20	MCS0	2	233	7115	Full	-6.70	-6.80	-3.74	3.40		-0.34	24.00	Pass
HE20	MCS0	2	233	7115	26/8	-16.90	-16.70	-13.79	3.40		-10.39	24.00	Pass
HE20	MCS0	2	233	7115	52/40	-13.90	-13.70	-10.79	3.40		-7.39	24.00	Pass
HE20	MCS0	2	233	7115	106/54	-11.00	-11.00	-7.99	3.40		-4.59	24.00	Pass
HE40	MCS0	2	195	6925	Full	7.90	7.50	10.71	3.40		14.11	24.00	Pass
HE40	MCS0	2	195	6925	242/61	4.50	4.80	7.66	3.40		11.06	24.00	Pass
HE40	MCS0	2	211	7005	Full	8.10	7.40	10.77	3.40		14.17	24.00	Pass
HE40	MCS0	2	211	7005	242/62	4.90	4.70	7.81	3.40		11.21	24.00	Pass
HE40	MCS0	2	227	7085	Full	8.30	7.80	11.07	3.40		14.47	24.00	Pass
HE40	MCS0	2	227	7085	242/62	5.10	5.30	8.21	3.40		11.61	24.00	Pass
HE80	MCS0	2	199	6945	Full	9.90	9.70	12.81	3.40		16.21	24.00	Pass
HE80	MCS0	2	199	6945	484/65	6.60	6.60	9.61	3.40		13.01	24.00	Pass
HE80	MCS0	2	215	7025	Full	9.60	9.50	12.56	3.40		15.96	24.00	Pass
HE80	MCS0	2	215	7025	484/66	6.40	6.40	9.41	3.40		12.81	24.00	Pass
HE160	MCS0	2	207	6985	Full	9.70	10.00	12.86	3.40		16.26	24.00	Pass
HE160	MCS0	2	207	6985	996/67	7.80	8.00	10.91	3.40		14.31	24.00	Pass
HE160	MCS0	2	207	6985	996/S67	7.80	7.90	10.86	3.40		14.26	24.00	Pass

FCC Band VIII straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	185	6875	Full	5.10	5.00	8.06	3.40		11.46	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-4.90	-5.30	-2.09	3.40		1.31	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-2.00	-2.40	0.81	3.40		4.21	24.00	Pass
HE20	MCS0	2	185	6875	106/54	1.40	0.60	4.03	3.40		7.43	24.00	Pass
HE40	MCS0	2	187	6885	Full	8.00	7.60	10.81	3.40		14.21	24.00	Pass
HE40	MCS0	2	187	6885	242/62	-4.90	-5.30	-2.09	3.40		1.31	24.00	Pass
HE80	MCS0	2	183	6865	Full	10.00	9.60	12.81	3.40		16.21	24.00	Pass
HE80	MCS0	2	183	6865	484/66	7.30	7.10	10.21	3.40		13.61	24.00	Pass
HE160	MCS0	2	175	6825	Full	10.40	10.30	13.36	3.40		16.76	24.00	Pass
HE160	MCS0	2	175	6825	996/S67	8.00	7.90	10.96	3.40		14.36	24.00	Pass

<Standard Client>

Test Engineer :	Jacob Yu	**Temperature :**	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

FCC Band V MIMO												
Mod.	**Data Rate**	**NTX**	**CH.**	**Freq. (MHz)**	**Conducted Power (dBm)**			**DG (dBi)**		**EIRP Power (dBm)**	**EIRP Power Limit (dBm)**	**Pass /Fail**
					Ant 9	**Ant 8**	**SUM**	**Ant 9**	**Ant 8**	**SUM**		
HT20	MCS0	2	001	5955	9.60	9.80	12.71	4.00		16.71	30.00	Pass
HT20	MCS0	2	049	6195	9.50	8.70	12.13	4.00		16.13	30.00	Pass
HT20	MCS0	2	093	6415	9.80	9.30	12.57	4.00		16.57	30.00	Pass
HT40	MCS0	2	003	5965	9.60	9.70	12.66	4.00		16.66	30.00	Pass
HT40	MCS0	2	051	6205	9.40	8.80	12.12	4.00		16.12	30.00	Pass
HT40	MCS0	2	091	6405	9.60	9.30	12.46	4.00		16.46	30.00	Pass
VHT20	MCS0	2	001	5955	9.70	9.90	12.81	4.00		16.81	30.00	Pass
VHT20	MCS0	2	049	6195	9.60	8.80	12.23	4.00		16.23	30.00	Pass
VHT20	MCS0	2	093	6415	9.90	9.40	12.67	4.00		16.67	30.00	Pass
VHT40	MCS0	2	003	5965	9.70	9.80	12.76	4.00		16.76	30.00	Pass
VHT40	MCS0	2	051	6205	9.50	8.90	12.22	4.00		16.22	30.00	Pass
VHT40	MCS0	2	091	6405	9.70	9.40	12.56	4.00		16.56	30.00	Pass
VHT80	MCS0	2	007	5985	9.70	9.70	12.71	4.00		16.71	30.00	Pass
VHT80	MCS0	2	055	6225	9.70	9.40	12.56	4.00		16.56	30.00	Pass
VHT80	MCS0	2	087	6385	9.70	9.40	12.56	4.00		16.56	30.00	Pass
VHT160	MCS0	2	015	6025	9.90	9.50	12.71	4.00		16.71	30.00	Pass
VHT160	MCS0	2	047	6185	9.70	9.00	12.37	4.00		16.37	30.00	Pass
VHT160	MCS0	2	079	6345	9.70	9.10	12.42	4.00		16.42	30.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT20	MCS0	2	117	6535	11.40	11.40	14.41	3.90		18.31	30.00	Pass
HT20	MCS0	2	149	6695	11.80	11.50	14.66	3.90		18.56	30.00	Pass
HT20	MCS0	2	181	6855	11.40	10.70	14.07	3.90		17.97	30.00	Pass
HT40	MCS0	2	123	6565	11.80	11.20	14.52	3.90		18.42	30.00	Pass
HT40	MCS0	2	147	6685	11.80	11.30	14.57	3.90		18.47	30.00	Pass
HT40	MCS0	2	179	6845	11.90	11.20	14.57	3.90		18.47	30.00	Pass
VHT20	MCS0	2	117	6535	11.50	11.50	14.51	3.90		18.41	30.00	Pass
VHT20	MCS0	2	149	6695	11.90	11.60	14.76	3.90		18.66	30.00	Pass
VHT20	MCS0	2	181	6855	11.50	10.80	14.17	3.90		18.07	30.00	Pass
VHT40	MCS0	2	123	6565	11.90	11.30	14.62	3.90		18.52	30.00	Pass
VHT40	MCS0	2	147	6685	11.90	11.40	14.67	3.90		18.57	30.00	Pass
VHT40	MCS0	2	179	6845	12.00	11.30	14.67	3.90		18.57	30.00	Pass
VHT80	MCS0	2	135	6625	11.70	11.10	14.42	3.90		18.32	30.00	Pass
VHT80	MCS0	2	151	6705	11.70	11.50	14.61	3.90		18.51	30.00	Pass
VHT80	MCS0	2	167	6785	11.90	11.10	14.53	3.90		18.43	30.00	Pass
VHT160	MCS0	2	143	6665	11.80	11.30	14.57	3.90		18.47	30.00	Pass

FCC Band V MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	9.80	10.00	12.91	4.00		16.91	30.00	Pass
HE20	MCS0	2	001	5955	26/0	0.50	0.70	3.61	4.00		7.61	30.00	Pass
HE20	MCS0	2	001	5955	52/37	2.40	2.60	5.51	4.00		9.51	30.00	Pass
HE20	MCS0	2	001	5955	106/53	6.40	6.70	9.56	4.00		13.56	30.00	Pass
HE20	MCS0	2	049	6195	Full	9.70	8.90	12.33	4.00		16.33	30.00	Pass
HE20	MCS0	2	049	6195	26/4	1.40	0.90	4.17	4.00		8.17	30.00	Pass
HE20	MCS0	2	049	6195	52/39	3.30	2.50	5.93	4.00		9.93	30.00	Pass
HE20	MCS0	2	049	6195	106/53	6.00	5.40	8.72	4.00		12.72	30.00	Pass
HE20	MCS0	2	093	6415	Full	10.00	9.50	12.77	4.00		16.77	30.00	Pass
HE20	MCS0	2	093	6415	26/8	-0.10	-0.20	2.86	4.00		6.86	30.00	Pass
HE20	MCS0	2	093	6415	52/40	3.00	3.10	6.06	4.00		10.06	30.00	Pass
HE20	MCS0	2	093	6415	106/54	6.40	6.10	9.26	4.00		13.26	30.00	Pass
HE40	MCS0	2	003	5965	Full	9.80	9.90	12.86	4.00		16.86	30.00	Pass
HE40	MCS0	2	003	5965	242/61	7.00	7.10	10.06	4.00		14.06	30.00	Pass
HE40	MCS0	2	051	6205	Full	9.60	9.00	12.32	4.00		16.32	30.00	Pass
HE40	MCS0	2	051	6205	242/61	6.80	6.50	9.66	4.00		13.66	30.00	Pass
HE40	MCS0	2	091	6405	Full	9.80	9.50	12.66	4.00		16.66	30.00	Pass
HE40	MCS0	2	091	6405	242/62	6.90	6.70	9.81	4.00		13.81	30.00	Pass
HE80	MCS0	2	007	5985	Full	9.80	9.80	12.81	4.00		16.81	30.00	Pass
HE80	MCS0	2	007	5985	484/65	7.50	7.40	10.46	4.00		14.46	30.00	Pass
HE80	MCS0	2	055	6225	Full	9.80	9.50	12.66	4.00		16.66	30.00	Pass
HE80	MCS0	2	055	6225	484/65	7.00	7.10	10.06	4.00		14.06	30.00	Pass
HE80	MCS0	2	087	6385	Full	9.80	9.50	12.66	4.00		16.66	30.00	Pass
HE80	MCS0	2	087	6385	484/66	6.50	6.30	9.41	4.00		13.41	30.00	Pass
HE160	MCS0	2	015	6025	Full	10.00	9.60	12.81	4.00		16.81	30.00	Pass
HE160	MCS0	2	015	6025	996/67	7.30	7.10	10.21	4.00		14.21	30.00	Pass
HE160	MCS0	2	047	6185	Full	9.80	9.10	12.47	4.00		16.47	30.00	Pass
HE160	MCS0	2	047	6185	996/67	7.10	7.20	10.16	4.00		14.16	30.00	Pass
HE160	MCS0	2	079	6345	Full	9.80	9.20	12.52	4.00		16.52	30.00	Pass
HE160	MCS0	2	079	6345	996/S67	6.50	6.10	9.31	4.00		13.31	30.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	11.60	11.60	14.61	3.90		18.51	30.00	Pass
HE20	MCS0	2	117	6535	26/0	2.10	1.80	4.96	3.90		8.86	30.00	Pass
HE20	MCS0	2	117	6535	52/37	5.20	4.80	8.01	3.90		11.91	30.00	Pass
HE20	MCS0	2	117	6535	106/53	8.00	7.90	10.96	3.90		14.86	30.00	Pass
HE20	MCS0	2	149	6695	Full	12.00	11.70	14.86	3.90		18.76	30.00	Pass
HE20	MCS0	2	149	6695	26/4	3.00	3.50	6.27	3.90		10.17	30.00	Pass
HE20	MCS0	2	149	6695	52/38	5.10	4.90	8.01	3.90		11.91	30.00	Pass
HE20	MCS0	2	149	6695	106/53	8.70	7.90	11.33	3.90		15.23	30.00	Pass
HE20	MCS0	2	181	6855	Full	11.60	10.90	14.27	3.90		18.17	30.00	Pass
HE20	MCS0	2	181	6855	26/8	1.70	1.20	4.47	3.90		8.37	30.00	Pass
HE20	MCS0	2	181	6855	52/40	4.50	4.40	7.46	3.90		11.36	30.00	Pass
HE20	MCS0	2	181	6855	106/54	8.00	7.20	10.63	3.90		14.53	30.00	Pass
HE40	MCS0	2	123	6565	Full	12.00	11.40	14.72	3.90		18.62	30.00	Pass
HE40	MCS0	2	123	6565	242/61	9.20	8.90	12.06	3.90		15.96	30.00	Pass
HE40	MCS0	2	147	6685	Full	12.00	11.50	14.77	3.90		18.67	30.00	Pass
HE40	MCS0	2	147	6685	242/61	9.30	8.40	11.88	3.90		15.78	30.00	Pass
HE40	MCS0	2	179	6845	Full	12.10	11.40	14.77	3.90		18.67	30.00	Pass
HE40	MCS0	2	179	6845	242/62	9.40	8.90	12.17	3.90		16.07	30.00	Pass
HE80	MCS0	2	135	6625	Full	11.80	11.20	14.52	3.90		18.42	30.00	Pass
HE80	MCS0	2	135	6625	484/65	9.10	8.40	11.77	3.90		15.67	30.00	Pass
HE80	MCS0	2	151	6705	Full	11.80	11.60	14.71	3.90		18.61	30.00	Pass
HE80	MCS0	2	151	6705	484/65	9.30	8.40	11.88	3.90		15.78	30.00	Pass
HE80	MCS0	2	167	6785	Full	12.00	11.20	14.63	3.90		18.53	30.00	Pass
HE80	MCS0	2	167	6785	484/66	9.20	8.50	11.87	3.90		15.77	30.00	Pass
HE160	MCS0	2	143	6665	Full	11.90	11.40	14.67	3.90		18.57	30.00	Pass
HE160	MCS0	2	143	6665	996/67	10.00	9.20	12.63	3.90		16.53	30.00	Pass

<CDD Mode>

Test Engineer :	Jacob Yu and Hank Hsu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

<Indoor Client>

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	001	5955	0.80	1.40	4.12	4.00		8.12	24.00	Pass
11a	6Mbps	2	049	6195	1.20	0.90	4.06	4.00		8.06	24.00	Pass
11a	6Mbps	2	093	6415	0.80	1.40	4.12	4.00		8.12	24.00	Pass
HT20	MCS0	2	001	5955	1.20	0.90	4.06	4.00		8.06	24.00	Pass
HT20	MCS0	2	049	6195	1.60	0.00	3.88	4.00		7.88	24.00	Pass
HT20	MCS0	2	093	6415	1.20	0.90	4.06	4.00		8.06	24.00	Pass
HT40	MCS0	2	003	5965	3.70	3.70	6.71	4.00		10.71	24.00	Pass
HT40	MCS0	2	051	6205	3.40	2.70	6.07	4.00		10.07	24.00	Pass
HT40	MCS0	2	091	6405	4.40	4.30	7.36	4.00		11.36	24.00	Pass
VHT20	MCS0	2	001	5955	1.30	1.00	4.16	4.00		8.16	24.00	Pass
VHT20	MCS0	2	049	6195	1.70	0.10	3.98	4.00		7.98	24.00	Pass
VHT20	MCS0	2	093	6415	1.30	1.00	4.16	4.00		8.16	24.00	Pass
VHT40	MCS0	2	003	5965	3.80	3.80	6.81	4.00		10.81	24.00	Pass
VHT40	MCS0	2	051	6205	3.50	2.80	6.17	4.00		10.17	24.00	Pass
VHT40	MCS0	2	091	6405	4.50	4.40	7.46	4.00		11.46	24.00	Pass
VHT80	MCS0	2	007	5985	6.20	6.10	9.16	4.00		13.16	24.00	Pass
VHT80	MCS0	2	055	6225	6.20	6.10	9.16	4.00		13.16	24.00	Pass
VHT80	MCS0	2	087	6385	6.10	5.90	9.01	4.00		13.01	24.00	Pass
VHT160	MCS0	2	015	6025	6.50	6.10	9.31	4.00		13.31	24.00	Pass
VHT160	MCS0	2	047	6185	6.10	5.70	8.91	4.00		12.91	24.00	Pass
VHT160	MCS0	2	079	6345	6.00	5.90	8.96	4.00		12.96	24.00	Pass

FCC Band VI MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	097	6435	0.20	0.40	3.31	4.00		7.31	24.00	Pass
11a	6Mbps	2	105	6475	0.50	1.10	3.82	4.00		7.82	24.00	Pass
11a	6Mbps	2	113	6515	0.60	1.30	3.97	4.00		7.97	24.00	Pass
HT20	MCS0	2	097	6435	0.50	0.70	3.61	4.00		7.61	24.00	Pass
HT20	MCS0	2	105	6475	0.00	0.30	3.16	4.00		7.16	24.00	Pass
HT20	MCS0	2	113	6515	0.20	0.70	3.47	4.00		7.47	24.00	Pass
HT40	MCS0	2	099	6445	3.60	3.30	6.46	4.00		10.46	24.00	Pass
HT40	MCS0	2	107	6485	3.90	3.90	6.91	4.00		10.91	24.00	Pass
VHT20	MCS0	2	097	6435	0.60	0.80	3.71	4.00		7.71	24.00	Pass
VHT20	MCS0	2	105	6475	0.10	0.40	3.26	4.00		7.26	24.00	Pass
VHT20	MCS0	2	113	6515	0.30	0.80	3.57	4.00		7.57	24.00	Pass
VHT40	MCS0	2	099	6445	3.70	3.40	6.56	4.00		10.56	24.00	Pass
VHT40	MCS0	2	107	6485	4.00	4.00	7.01	4.00		11.01	24.00	Pass
VHT80	MCS0	2	103	6465	6.20	6.20	9.21	4.00		13.21	24.00	Pass

FCC Band VI straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HT40	MCS0	2	115	6525	3.80	3.70	6.76	4.00		10.76	24.00	Pass
VHT40	MCS0	2	115	6525	3.90	3.80	6.86	4.00		10.86	24.00	Pass
VHT80	MCS0	2	119	6545	6.40	6.50	9.46	4.00		13.46	24.00	Pass
VHT160	MCS0	2	111	6505	7.00	6.80	9.91	4.00		13.91	24.00	Pass

FCC Band VII MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	117	6535	0.70	1.20	3.97	3.90		7.87	24.00	Pass
11a	6Mbps	2	149	6695	0.80	0.50	3.66	3.90		7.56	24.00	Pass
11a	6Mbps	2	181	6855	0.50	1.10	3.82	3.90		7.72	24.00	Pass
HT20	MCS0	2	117	6535	0.50	0.80	3.66	3.90		7.56	24.00	Pass
HT20	MCS0	2	149	6695	1.20	0.60	3.92	3.90		7.82	24.00	Pass
HT20	MCS0	2	181	6855	1.40	1.30	4.36	3.90		8.26	24.00	Pass
HT40	MCS0	2	123	6565	3.80	3.50	6.66	3.90		10.56	24.00	Pass
HT40	MCS0	2	147	6685	3.90	3.90	6.91	3.90		10.81	24.00	Pass
HT40	MCS0	2	179	6845	3.80	3.60	6.71	3.90		10.61	24.00	Pass
VHT20	MCS0	2	117	6535	0.60	0.90	3.76	3.90		7.66	24.00	Pass
VHT20	MCS0	2	149	6695	1.30	0.70	4.02	3.90		7.92	24.00	Pass
VHT20	MCS0	2	181	6855	1.50	1.40	4.46	3.90		8.36	24.00	Pass
VHT40	MCS0	2	123	6565	3.90	3.60	6.76	3.90		10.66	24.00	Pass
VHT40	MCS0	2	147	6685	4.00	4.00	7.01	3.90		10.91	24.00	Pass
VHT40	MCS0	2	179	6845	3.90	3.70	6.81	3.90		10.71	24.00	Pass
VHT80	MCS0	2	135	6625	6.80	6.10	9.47	3.90		13.37	24.00	Pass
VHT80	MCS0	2	151	6705	7.30	6.90	10.11	3.90		14.01	24.00	Pass
VHT80	MCS0	2	167	6785	6.90	6.10	9.53	3.90		13.43	24.00	Pass
VHT160	MCS0	2	143	6665	6.30	6.10	9.21	3.90		13.11	24.00	Pass

FCC Band VIII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	189	6895	0.80	1.60	4.23	3.40		7.63	24.00	Pass
11a	6Mbps	2	209	6995	0.90	1.70	4.33	3.40		7.73	24.00	Pass
11a	6Mbps	2	233	7115	2.00	2.40	5.21	3.40		8.61	24.00	Pass
HT20	MCS0	2	189	6895	1.50	1.00	4.27	3.40		7.67	24.00	Pass
HT20	MCS0	2	209	6995	1.40	1.20	4.31	3.40		7.71	24.00	Pass
HT20	MCS0	2	233	7115	-10.00	-10.10	-7.04	3.40		-3.64	24.00	Pass
HT40	MCS0	2	195	6925	4.30	4.50	7.41	3.40		10.81	24.00	Pass
HT40	MCS0	2	211	7005	4.20	4.20	7.21	3.40		10.61	24.00	Pass
HT40	MCS0	2	227	7085	4.50	4.70	7.61	3.40		11.01	24.00	Pass
VHT20	MCS0	2	189	6895	1.60	1.10	4.37	3.40		7.77	24.00	Pass
VHT20	MCS0	2	209	6995	1.50	1.30	4.41	3.40		7.81	24.00	Pass
VHT20	MCS0	2	233	7115	-9.90	-10.00	-6.94	3.40		-3.54	24.00	Pass
VHT40	MCS0	2	195	6925	4.40	4.60	7.51	3.40		10.91	24.00	Pass
VHT40	MCS0	2	211	7005	4.30	4.30	7.31	3.40		10.71	24.00	Pass
VHT40	MCS0	2	227	7085	4.60	4.80	7.71	3.40		11.11	24.00	Pass
VHT80	MCS0	2	199	6945	6.60	6.40	9.51	3.40		12.91	24.00	Pass
VHT80	MCS0	2	215	7025	6.20	6.20	9.21	3.40		12.61	24.00	Pass
VHT160	MCS0	2	207	6985	6.70	6.70	9.71	3.40		13.11	24.00	Pass

FCC Band VIII straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	185	6875	0.70	1.20	3.97	3.40		7.37	24.00	Pass
HT20	MCS0	2	185	6875	1.90	1.90	4.91	3.40		8.31	24.00	Pass
HT40	MCS0	2	187	6885	4.80	4.70	7.76	3.40		11.16	24.00	Pass
VHT20	MCS0	2	185	6875	2.00	2.00	5.01	3.40		8.41	24.00	Pass
VHT40	MCS0	2	187	6885	4.90	4.80	7.86	3.40		11.26	24.00	Pass
VHT80	MCS0	2	183	6865	6.20	6.20	9.21	3.40		12.61	24.00	Pass
VHT160	MCS0	2	175	6825	7.50	6.60	10.08	3.40		13.48	24.00	Pass

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	1.40	1.10	4.26	4.00		8.26	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-8.70	-8.60	-5.64	4.00		-1.64	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-5.70	-5.60	-2.64	4.00		1.36	24.00	Pass
HE20	MCS0	2	001	5955	106/53	-2.60	-2.50	0.46	4.00		4.46	24.00	Pass
HE20	MCS0	2	049	6195	Full	1.80	0.20	4.08	4.00		8.08	24.00	Pass
HE20	MCS0	2	049	6195	26/4	-6.90	-7.70	-4.27	4.00		-0.27	24.00	Pass
HE20	MCS0	2	049	6195	52/39	-5.40	-6.30	-2.82	4.00		1.18	24.00	Pass
HE20	MCS0	2	049	6195	106/53	-2.20	-2.90	0.47	4.00		4.47	24.00	Pass
HE20	MCS0	2	093	6415	Full	1.40	1.10	4.26	4.00		8.26	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-8.50	-8.50	-5.49	4.00		-1.49	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-5.50	-5.50	-2.49	4.00		1.51	24.00	Pass
HE20	MCS0	2	093	6415	106/54	-2.80	-2.90	0.16	4.00		4.16	24.00	Pass
HE40	MCS0	2	003	5965	Full	3.90	3.90	6.91	4.00		10.91	24.00	Pass
HE40	MCS0	2	003	5965	242/61	1.40	1.60	4.51	4.00		8.51	24.00	Pass
HE40	MCS0	2	051	6205	Full	3.60	2.90	6.27	4.00		10.27	24.00	Pass
HE40	MCS0	2	051	6205	242/61	1.20	0.40	3.83	4.00		7.83	24.00	Pass
HE40	MCS0	2	091	6405	Full	4.60	4.50	7.56	4.00		11.56	24.00	Pass
HE40	MCS0	2	091	6405	242/62	1.40	1.10	4.26	4.00		8.26	24.00	Pass
HE80	MCS0	2	007	5985	Full	6.30	6.20	9.26	4.00		13.26	24.00	Pass
HE80	MCS0	2	007	5985	484/65	3.70	3.50	6.61	4.00		10.61	24.00	Pass
HE80	MCS0	2	055	6225	Full	6.30	6.20	9.26	4.00		13.26	24.00	Pass
HE80	MCS0	2	055	6225	484/65	3.00	3.10	6.06	4.00		10.06	24.00	Pass
HE80	MCS0	2	087	6385	Full	6.20	6.00	9.11	4.00		13.11	24.00	Pass
HE80	MCS0	2	087	6385	484/66	3.40	2.80	6.12	4.00		10.12	24.00	Pass
HE160	MCS0	2	015	6025	Full	6.60	6.20	9.41	4.00		13.41	24.00	Pass
HE160	MCS0	2	015	6025	996/67	4.00	3.50	6.77	4.00		10.77	24.00	Pass
HE160	MCS0	2	047	6185	Full	6.20	5.80	9.01	4.00		13.01	24.00	Pass
HE160	MCS0	2	047	6185	996/67	4.00	3.70	6.86	4.00		10.86	24.00	Pass
HE160	MCS0	2	079	6345	Full	6.10	6.00	9.06	4.00		13.06	24.00	Pass
HE160	MCS0	2	079	6345	996/S67	3.40	2.70	6.07	4.00		10.07	24.00	Pass

FCC Band VI MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	097	6435	Full	0.70	0.90	3.81	4.00		7.81	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-8.20	-8.10	-5.14	4.00		-1.14	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-5.80	-5.80	-2.79	4.00		1.21	24.00	Pass
HE20	MCS0	2	097	6435	106/53	-2.90	-2.60	0.26	4.00		4.26	24.00	Pass
HE20	MCS0	2	105	6475	Full	0.20	0.50	3.36	4.00		7.36	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-8.60	-8.50	-5.54	4.00		-1.54	24.00	Pass
HE20	MCS0	2	105	6475	52/39	-6.30	-6.00	-3.14	4.00		0.86	24.00	Pass
HE20	MCS0	2	105	6475	106/54	-3.00	-2.70	0.16	4.00		4.16	24.00	Pass
HE20	MCS0	2	113	6515	Full	0.40	0.90	3.67	4.00		7.67	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-9.30	-8.60	-5.93	4.00		-1.93	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-6.40	-5.70	-3.03	4.00		0.97	24.00	Pass
HE20	MCS0	2	113	6515	106/54	-3.20	-2.60	0.12	4.00		4.12	24.00	Pass
HE40	MCS0	2	099	6445	Full	3.80	3.50	6.66	4.00		10.66	24.00	Pass
HE40	MCS0	2	099	6445	242/61	1.00	0.70	3.86	4.00		7.86	24.00	Pass
HE40	MCS0	2	107	6485	Full	4.10	4.10	7.11	4.00		11.11	24.00	Pass
HE40	MCS0	2	107	6485	242/62	0.50	0.70	3.61	4.00		7.61	24.00	Pass
HE80	MCS0	2	103	6465	Full	6.30	6.30	9.31	4.00		13.31	24.00	Pass
HE80	MCS0	2	103	6465	484/65	3.60	3.40	6.51	4.00		10.51	24.00	Pass

FCC Band VI straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE40	MCS0	2	115	6525	Full	3.80	3.70	6.76	4.00		10.76	24.00	Pass
HE40	MCS0	2	115	6525	242/62	1.10	1.40	4.26	4.00		8.26	24.00	Pass
HE80	MCS0	2	119	6545	Full	6.50	6.60	9.56	4.00		13.56	24.00	Pass
HE80	MCS0	2	119	6545	484/66	3.40	3.60	6.51	4.00		10.51	24.00	Pass
HE160	MCS0	2	111	6505	Full	6.70	6.60	9.66	4.00		13.66	24.00	Pass
HE160	MCS0	2	111	6505	996/67	4.50	4.10	7.31	4.00		11.31	24.00	Pass
HE160	MCS0	2	111	6505	996/S67	4.00	4.20	7.11	4.00		11.11	24.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	0.70	1.00	3.86	3.90		7.76	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-8.80	-9.20	-5.99	3.90		-2.09	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-6.00	-6.20	-3.09	3.90		0.81	24.00	Pass
HE20	MCS0	2	117	6535	106/53	-3.10	-3.10	-0.09	3.90		3.81	24.00	Pass
HE20	MCS0	2	149	6695	Full	1.40	0.80	4.12	3.90		8.02	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-7.50	-8.10	-4.78	3.90		-0.88	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-6.00	-6.60	-3.28	3.90		0.62	24.00	Pass
HE20	MCS0	2	149	6695	106/53	-2.60	-3.30	0.07	3.90		3.97	24.00	Pass
HE20	MCS0	2	181	6855	Full	1.60	1.50	4.56	3.90		8.46	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-7.50	-7.80	-4.64	3.90		-0.74	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-5.40	-5.60	-2.49	3.90		1.41	24.00	Pass
HE20	MCS0	2	181	6855	106/54	-2.10	-2.60	0.67	3.90		4.57	24.00	Pass
HE40	MCS0	2	123	6565	Full	4.00	3.70	6.86	3.90		10.76	24.00	Pass
HE40	MCS0	2	123	6565	242/61	0.60	1.20	3.92	3.90		7.82	24.00	Pass
HE40	MCS0	2	147	6685	Full	4.10	4.10	7.11	3.90		11.01	24.00	Pass
HE40	MCS0	2	147	6685	242/61	1.80	1.00	4.43	3.90		8.33	24.00	Pass
HE40	MCS0	2	179	6845	Full	4.00	3.80	6.91	3.90		10.81	24.00	Pass
HE40	MCS0	2	179	6845	242/62	1.50	0.80	4.17	3.90		8.07	24.00	Pass
HE80	MCS0	2	135	6625	Full	6.90	6.20	9.57	3.90		13.47	24.00	Pass
HE80	MCS0	2	135	6625	484/65	3.70	3.00	6.37	3.90		10.27	24.00	Pass
HE80	MCS0	2	151	6705	Full	7.40	7.00	10.21	3.90		14.11	24.00	Pass
HE80	MCS0	2	151	6705	484/65	3.70	3.60	6.66	3.90		10.56	24.00	Pass
HE80	MCS0	2	167	6785	Full	7.00	6.20	9.63	3.90		13.53	24.00	Pass
HE80	MCS0	2	167	6785	484/66	3.80	3.20	6.52	3.90		10.42	24.00	Pass
HE160	MCS0	2	143	6665	Full	6.40	6.20	9.31	3.90		13.21	24.00	Pass
HE160	MCS0	2	143	6665	996/67	4.60	4.00	7.32	3.90		11.22	24.00	Pass

Band VIII MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	189	6895	Full	1.70	1.20	4.47	3.40		7.87	24.00	Pass
HE20	MCS0	2	189	6895	26/0	-8.30	-8.70	-5.49	3.40		-2.09	24.00	Pass
HE20	MCS0	2	189	6895	52/37	-5.50	-5.80	-2.64	3.40		0.76	24.00	Pass
HE20	MCS0	2	189	6895	106/53	-2.60	-2.70	0.36	3.40		3.76	24.00	Pass
HE20	MCS0	2	209	6995	Full	1.60	1.40	4.51	3.40		7.91	24.00	Pass
HE20	MCS0	2	209	6995	26/4	-7.30	-7.30	-4.29	3.40		-0.89	24.00	Pass
HE20	MCS0	2	209	6995	52/38	-5.40	-5.10	-2.24	3.40		1.16	24.00	Pass
HE20	MCS0	2	209	6995	106/53	-2.20	-2.10	0.86	3.40		4.26	24.00	Pass
HE20	MCS0	2	233	7115	Full	-9.80	-9.90	-6.84	3.40		-3.44	24.00	Pass
HE20	MCS0	2	233	7115	26/8	-20.20	-19.50	-16.83	3.40		-13.43	24.00	Pass
HE20	MCS0	2	233	7115	52/40	-16.90	-16.80	-13.84	3.40		-10.44	24.00	Pass
HE20	MCS0	2	233	7115	106/54	-14.00	-14.10	-11.04	3.40		-7.64	24.00	Pass
HE40	MCS0	2	195	6925	Full	4.50	4.70	7.61	3.40		11.01	24.00	Pass
HE40	MCS0	2	195	6925	242/61	1.40	0.90	4.17	3.40		7.57	24.00	Pass
HE40	MCS0	2	211	7005	Full	4.40	4.40	7.41	3.40		10.81	24.00	Pass
HE40	MCS0	2	211	7005	242/62	1.80	1.70	4.76	3.40		8.16	24.00	Pass
HE40	MCS0	2	227	7085	Full	4.70	4.90	7.81	3.40		11.21	24.00	Pass
HE40	MCS0	2	227	7085	242/62	2.20	2.10	5.16	3.40		8.56	24.00	Pass
HE80	MCS0	2	199	6945	Full	6.70	6.50	9.61	3.40		13.01	24.00	Pass
HE80	MCS0	2	199	6945	484/65	3.60	3.50	6.56	3.40		9.96	24.00	Pass
HE80	MCS0	2	215	7025	Full	6.30	6.30	9.31	3.40		12.71	24.00	Pass
HE80	MCS0	2	215	7025	484/66	3.10	3.20	6.16	3.40		9.56	24.00	Pass
HE160	MCS0	2	207	6985	Full	6.80	6.80	9.81	3.40		13.21	24.00	Pass
HE160	MCS0	2	207	6985	996/67	4.70	4.70	7.71	3.40		11.11	24.00	Pass
HE160	MCS0	2	207	6985	996/S67	4.80	4.70	7.76	3.40		11.16	24.00	Pass

FCC Band VIII straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	185	6875	Full	1.80	1.80	4.81	3.40		8.21	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-8.00	-8.30	-5.14	3.40		-1.74	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-5.00	-5.50	-2.23	3.40		1.17	24.00	Pass
HE20	MCS0	2	185	6875	106/54	-1.90	-2.40	0.87	3.40		4.27	24.00	Pass
HE40	MCS0	2	187	6885	Full	4.70	4.60	7.66	3.40		11.06	24.00	Pass
HE40	MCS0	2	187	6885	242/62	-8.30	-8.70	-5.49	3.40		-2.09	24.00	Pass
HE80	MCS0	2	183	6865	Full	6.30	6.30	9.31	3.40		12.71	24.00	Pass
HE80	MCS0	2	183	6865	484/66	4.20	4.10	7.16	3.40		10.56	24.00	Pass
HE160	MCS0	2	175	6825	Full	7.60	6.70	10.18	3.40		13.58	24.00	Pass
HE160	MCS0	2	175	6825	996/S67	4.80	4.20	7.52	3.40		10.92	24.00	Pass

<Standard Client>

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	001	5955	9.60	9.80	12.71	4.00		16.71	30.00	Pass
11a	6Mbps	2	049	6195	9.70	9.00	12.37	4.00		16.37	30.00	Pass
11a	6Mbps	2	093	6415	9.80	9.40	12.61	4.00		16.61	30.00	Pass
HT20	MCS0	2	001	5955	6.70	6.50	9.61	4.00		13.61	30.00	Pass
HT20	MCS0	2	049	6195	6.20	5.50	8.87	4.00		12.87	30.00	Pass
HT20	MCS0	2	093	6415	6.50	6.10	9.31	4.00		13.31	30.00	Pass
HT40	MCS0	2	003	5965	6.40	6.20	9.31	4.00		13.31	30.00	Pass
HT40	MCS0	2	051	6205	6.20	5.60	8.92	4.00		12.92	30.00	Pass
HT40	MCS0	2	091	6405	6.50	6.10	9.31	4.00		13.31	30.00	Pass
VHT20	MCS0	2	001	5955	6.80	6.60	9.71	4.00		13.71	30.00	Pass
VHT20	MCS0	2	049	6195	6.30	5.60	8.97	4.00		12.97	30.00	Pass
VHT20	MCS0	2	093	6415	6.60	6.20	9.41	4.00		13.41	30.00	Pass
VHT40	MCS0	2	003	5965	6.50	6.30	9.41	4.00		13.41	30.00	Pass
VHT40	MCS0	2	051	6205	6.30	5.70	9.02	4.00		13.02	30.00	Pass
VHT40	MCS0	2	091	6405	6.60	6.20	9.41	4.00		13.41	30.00	Pass
VHT80	MCS0	2	007	5985	6.40	6.20	9.31	4.00		13.31	30.00	Pass
VHT80	MCS0	2	055	6225	6.30	6.20	9.26	4.00		13.26	30.00	Pass
VHT80	MCS0	2	087	6385	6.30	6.00	9.16	4.00		13.16	30.00	Pass
VHT160	MCS0	2	015	6025	6.60	6.00	9.32	4.00		13.32	30.00	Pass
VHT160	MCS0	2	047	6185	6.20	5.70	8.97	4.00		12.97	30.00	Pass
VHT160	MCS0	2	079	6345	6.10	5.90	9.01	4.00		13.01	30.00	Pass

FCC Band VII MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	117	6535	12.00	11.90	14.96	3.90		18.86	30.00	Pass
11a	6Mbps	2	149	6695	12.00	11.70	14.86	3.90		18.76	30.00	Pass
11a	6Mbps	2	181	6855	12.00	11.40	14.72	3.90		18.62	30.00	Pass
HT20	MCS0	2	117	6535	8.00	7.90	10.96	3.90		14.86	30.00	Pass
HT20	MCS0	2	149	6695	8.80	8.40	11.61	3.90		15.51	30.00	Pass
HT20	MCS0	2	181	6855	8.30	7.60	10.97	3.90		14.87	30.00	Pass
HT40	MCS0	2	123	6565	8.60	8.10	11.37	3.90		15.27	30.00	Pass
HT40	MCS0	2	147	6685	8.70	8.20	11.47	3.90		15.37	30.00	Pass
HT40	MCS0	2	179	6845	8.40	7.80	11.12	3.90		15.02	30.00	Pass
VHT20	MCS0	2	117	6535	8.10	8.00	11.06	3.90		14.96	30.00	Pass
VHT20	MCS0	2	149	6695	8.90	8.50	11.71	3.90		15.61	30.00	Pass
VHT20	MCS0	2	181	6855	8.40	7.70	11.07	3.90		14.97	30.00	Pass
VHT40	MCS0	2	123	6565	8.70	8.20	11.47	3.90		15.37	30.00	Pass
VHT40	MCS0	2	147	6685	8.80	8.30	11.57	3.90		15.47	30.00	Pass
VHT40	MCS0	2	179	6845	8.50	7.90	11.22	3.90		15.12	30.00	Pass
VHT80	MCS0	2	135	6625	8.70	7.90	11.33	3.90		15.23	30.00	Pass
VHT80	MCS0	2	151	6705	8.80	8.30	11.57	3.90		15.47	30.00	Pass
VHT80	MCS0	2	167	6785	8.80	7.90	11.38	3.90		15.28	30.00	Pass
VHT160	MCS0	2	143	6665	8.70	8.30	11.51	3.90		15.41	30.00	Pass

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	6.90	6.70	9.81	4.00		13.81	30.00	Pass
HE20	MCS0	2	001	5955	26/0	-2.60	-2.70	0.36	4.00		4.36	30.00	Pass
HE20	MCS0	2	001	5955	52/37	-0.60	-0.60	2.41	4.00		6.41	30.00	Pass
HE20	MCS0	2	001	5955	106/53	3.50	3.50	6.51	4.00		10.51	30.00	Pass
HE20	MCS0	2	049	6195	Full	6.40	5.70	9.07	4.00		13.07	30.00	Pass
HE20	MCS0	2	049	6195	26/4	-1.90	-2.70	0.73	4.00		4.73	30.00	Pass
HE20	MCS0	2	049	6195	52/39	0.20	-0.60	2.83	4.00		6.83	30.00	Pass
HE20	MCS0	2	049	6195	106/53	3.00	2.30	5.67	4.00		9.67	30.00	Pass
HE20	MCS0	2	093	6415	Full	6.70	6.30	9.51	4.00		13.51	30.00	Pass
HE20	MCS0	2	093	6415	26/8	-3.30	-3.50	-0.39	4.00		3.61	30.00	Pass
HE20	MCS0	2	093	6415	52/40	-0.30	-0.30	2.71	4.00		6.71	30.00	Pass
HE20	MCS0	2	093	6415	106/54	3.00	2.60	5.81	4.00		9.81	30.00	Pass
HE40	MCS0	2	003	5965	Full	6.60	6.40	9.51	4.00		13.51	30.00	Pass
HE40	MCS0	2	003	5965	242/61	4.00	4.00	7.01	4.00		11.01	30.00	Pass
HE40	MCS0	2	051	6205	Full	6.40	5.80	9.12	4.00		13.12	30.00	Pass
HE40	MCS0	2	051	6205	242/61	3.60	3.00	6.32	4.00		10.32	30.00	Pass
HE40	MCS0	2	091	6405	Full	6.70	6.30	9.51	4.00		13.51	30.00	Pass
HE40	MCS0	2	091	6405	242/62	3.50	3.10	6.31	4.00		10.31	30.00	Pass
HE80	MCS0	2	007	5985	Full	6.50	6.30	9.41	4.00		13.41	30.00	Pass
HE80	MCS0	2	007	5985	484/65	4.30	4.00	7.16	4.00		11.16	30.00	Pass
HE80	MCS0	2	055	6225	Full	6.40	6.30	9.36	4.00		13.36	30.00	Pass
HE80	MCS0	2	055	6225	484/65	3.70	3.50	6.61	4.00		10.61	30.00	Pass
HE80	MCS0	2	087	6385	Full	6.40	6.10	9.26	4.00		13.26	30.00	Pass
HE80	MCS0	2	087	6385	484/66	3.60	2.80	6.23	4.00		10.23	30.00	Pass
HE160	MCS0	2	015	6025	Full	6.70	6.10	9.42	4.00		13.42	30.00	Pass
HE160	MCS0	2	015	6025	996/67	3.90	3.60	6.76	4.00		10.76	30.00	Pass
HE160	MCS0	2	047	6185	Full	6.30	5.80	9.07	4.00		13.07	30.00	Pass
HE160	MCS0	2	047	6185	996/67	4.00	3.60	6.81	4.00		10.81	30.00	Pass
HE160	MCS0	2	079	6345	Full	6.20	6.00	9.11	4.00		13.11	30.00	Pass
HE160	MCS0	2	079	6345	996/S67	3.50	2.70	6.13	4.00		10.13	30.00	Pass

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	8.20	8.10	11.16	3.90		15.06	30.00	Pass
HE20	MCS0	2	117	6535	26/0	-1.30	-1.70	1.51	3.90		5.41	30.00	Pass
HE20	MCS0	2	117	6535	52/37	1.90	1.60	4.76	3.90		8.66	30.00	Pass
HE20	MCS0	2	117	6535	106/53	4.70	4.70	7.71	3.90		11.61	30.00	Pass
HE20	MCS0	2	149	6695	Full	9.00	8.60	11.81	3.90		15.71	30.00	Pass
HE20	MCS0	2	149	6695	26/4	0.20	-0.60	2.83	3.90		6.73	30.00	Pass
HE20	MCS0	2	149	6695	52/38	2.20	1.60	4.92	3.90		8.82	30.00	Pass
HE20	MCS0	2	149	6695	106/53	5.20	5.20	8.21	3.90		12.11	30.00	Pass
HE20	MCS0	2	181	6855	Full	8.50	7.80	11.17	3.90		15.07	30.00	Pass
HE20	MCS0	2	181	6855	26/8	-1.50	-2.10	1.22	3.90		5.12	30.00	Pass
HE20	MCS0	2	181	6855	52/40	1.40	1.00	4.21	3.90		8.11	30.00	Pass
HE20	MCS0	2	181	6855	106/54	4.50	4.20	7.36	3.90		11.26	30.00	Pass
HE40	MCS0	2	123	6565	Full	8.80	8.30	11.57	3.90		15.47	30.00	Pass
HE40	MCS0	2	123	6565	242/61	6.10	5.70	8.91	3.90		12.81	30.00	Pass
HE40	MCS0	2	147	6685	Full	8.90	8.40	11.67	3.90		15.57	30.00	Pass
HE40	MCS0	2	147	6685	242/61	5.90	5.70	8.81	3.90		12.71	30.00	Pass
HE40	MCS0	2	179	6845	Full	8.60	8.00	11.32	3.90		15.22	30.00	Pass
HE40	MCS0	2	179	6845	242/62	6.30	6.00	9.16	3.90		13.06	30.00	Pass
HE80	MCS0	2	135	6625	Full	8.80	8.00	11.43	3.90		15.33	30.00	Pass
HE80	MCS0	2	135	6625	484/65	6.00	5.30	8.67	3.90		12.57	30.00	Pass
HE80	MCS0	2	151	6705	Full	8.90	8.40	11.67	3.90		15.57	30.00	Pass
HE80	MCS0	2	151	6705	484/65	5.60	5.50	8.56	3.90		12.46	30.00	Pass
HE80	MCS0	2	167	6785	Full	8.90	8.00	11.48	3.90		15.38	30.00	Pass
HE80	MCS0	2	167	6785	484/66	6.10	5.50	8.82	3.90		12.72	30.00	Pass
HE160	MCS0	2	143	6665	Full	8.80	8.40	11.61	3.90		15.51	30.00	Pass
HE160	MCS0	2	143	6665	996/67	6.50	5.90	9.22	3.90		13.12	30.00	Pass

3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed −1 dBm e.i.r.p. in any 1-megahertz band.

(a)(7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band,

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

<CDD Modes>

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

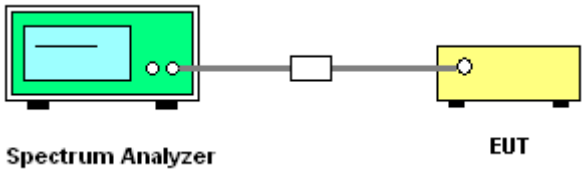
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

<SDM Mode>

Test Engineer :	Jacob Yu and Hank Hsu	**Temperature :**	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

<Indoor Client>

FCC Band V MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	0.02	0.02			-4.78	3.48		-1.30	-1.00	Pass
HE20	MCS0	2	001	5955	26/0	0.02	0.02			-5.08	3.48		-1.60	-1.00	Pass
HE20	MCS0	2	001	5955	52/37	0.02	0.02			-5.06	3.48		-1.58	-1.00	Pass
HE20	MCS0	2	001	5955	106/53	0.02	0.02			-5.08	3.48		-1.60	-1.00	Pass
HE20	MCS0	2	049	6195	Full	0.02	0.02			-4.86	3.48		-1.38	-1.00	Pass
HE20	MCS0	2	049	6195	26/4	0.02	0.02			-4.95	3.48		-1.47	-1.00	Pass
HE20	MCS0	2	049	6195	52/39	0.02	0.02			-5.18	3.48		-1.70	-1.00	Pass
HE20	MCS0	2	049	6195	106/53	0.02	0.02			-5.00	3.48		-1.52	-1.00	Pass
HE20	MCS0	2	093	6415	Full	0.02	0.02			-4.64	3.48		-1.16	-1.00	Pass
HE20	MCS0	2	093	6415	26/8	0.02	0.02			-5.03	3.48		-1.55	-1.00	Pass
HE20	MCS0	2	093	6415	52/40	0.02	0.02			-5.10	3.48		-1.62	-1.00	Pass
HE20	MCS0	2	093	6415	106/54	0.02	0.02			-5.33	3.48		-1.85	-1.00	Pass
HE40	MCS0	2	003	5965	Full	0.03	0.03			-4.57	3.48		-1.09	-1.00	Pass
HE40	MCS0	2	003	5965	242/61	0.03	0.03			-4.86	3.48		-1.38	-1.00	Pass
HE40	MCS0	2	051	6205	Full	0.03	0.03			-4.95	3.48		-1.47	-1.00	Pass
HE40	MCS0	2	051	6205	242/61	0.03	0.03	-		-5.28	3.48		-1.80	-1.00	Pass
HE40	MCS0	2	091	6405	Full	0.03	0.03			-4.49	3.48		-1.01	-1.00	Pass
HE40	MCS0	2	091	6405	242/62	0.03	0.03			-4.88	3.48		-1.40	-1.00	Pass
HE80	MCS0	2	007	5985	Full	0.07	0.07			-5.14	3.48		-1.66	-1.00	Pass
HE80	MCS0	2	007	5985	484/65	0.07	0.07			-5.63	3.48		-2.15	-1.00	Pass
HE80	MCS0	2	055	6225	Full	0.07	0.07			-5.45	3.48		-1.97	-1.00	Pass
HE80	MCS0	2	055	6225	484/65	0.07	0.07			-5.77	3.48		-2.29	-1.00	Pass
HE80	MCS0	2	087	6385	Full	0.07	0.07			-5.28	3.48		-1.80	-1.00	Pass
HE80	MCS0	2	087	6385	484/66	0.07	0.07			-5.58	3.48		-2.10	-1.00	Pass
HE160	MCS0	2	015	6025	Full	0.14	0.14			-7.65	3.48		-4.17	-1.00	Pass
HE160	MCS0	2	015	6025	996/67	0.14	0.14			-8.07	3.48		-4.59	-1.00	Pass
HE160	MCS0	2	047	6185	Full	0.14	0.14			-7.77	3.48		-4.29	-1.00	Pass
HE160	MCS0	2	047	6185	996/67	0.14	0.14			-8.20	3.48		-4.72	-1.00	Pass
HE160	MCS0	2	079	6345	Full	0.14	0.14			-7.78	3.48		-4.30	-1.00	Pass
HE160	MCS0	2	079	6345	996/S67	0.14	0.14			-8.26	3.48		-4.78	-1.00	Pass

Band VI MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	097	6435	Full	0.02	0.02			-4.82	3.62		-1.20	-1.00	Pass
HE20	MCS0	2	097	6435	26/0	0.02	0.02			-4.83	3.62		-1.21	-1.00	Pass
HE20	MCS0	2	097	6435	52/37	0.02	0.02			-5.28	3.62		-1.66	-1.00	Pass
HE20	MCS0	2	097	6435	106/53	0.02	0.02			-5.23	3.62		-1.61	-1.00	Pass
HE20	MCS0	2	105	6475	Full	0.02	0.02			-5.12	3.62		-1.50	-1.00	Pass
HE20	MCS0	2	105	6475	26/4	0.02	0.02			-5.51	3.62		-1.89	-1.00	Pass
HE20	MCS0	2	105	6475	52/39	0.02	0.02			-5.48	3.62		-1.86	-1.00	Pass
HE20	MCS0	2	105	6475	106/54	0.02	0.02			-5.29	3.62		-1.67	-1.00	Pass
HE20	MCS0	2	113	6515	Full	0.02	0.02			-5.01	3.62		-1.39	-1.00	Pass
HE20	MCS0	2	113	6515	26/8	0.02	0.02		-	-5.33	3.62		-1.71	-1.00	Pass
HE20	MCS0	2	113	6515	52/40	0.02	0.02			-5.32	3.62		-1.70	-1.00	Pass
HE20	MCS0	2	113	6515	106/54	0.02	0.02			-5.29	3.62		-1.67	-1.00	Pass
HE40	MCS0	2	099	6445	Full	0.03	0.03			-4.65	3.62		-1.03	-1.00	Pass
HE40	MCS0	2	099	6445	242/61	0.03	0.03			-4.98	3.62		-1.36	-1.00	Pass
HE40	MCS0	2	107	6485	Full	0.03	0.03			-4.83	3.62		-1.21	-1.00	Pass
HE40	MCS0	2	107	6485	242/62	0.03	0.03			-5.18	3.62		-1.56	-1.00	Pass
HE80	MCS0	2	103	6465	Full	0.07	0.07			-5.07	3.62		-1.45	-1.00	Pass
HE80	MCS0	2	103	6465	484/65	0.07	0.07			-5.50	3.62		-1.88	-1.00	Pass

FCC Band VI straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE40	MCS0	2	115	6525	Full	0.03	0.03			-4.68	3.62		-1.06	-1.00	Pass
HE40	MCS0	2	115	6525	242/62	0.03	0.03			-4.76	3.62		-1.14	-1.00	Pass
HE80	MCS0	2	119	6545	Full	0.07	0.07			-5.20	3.62		-1.58	-1.00	Pass
HE80	MCS0	2	119	6545	484/66	0.07	0.07		-	-5.61	3.62		-1.99	-1.00	Pass
HE160	MCS0	2	111	6505	Full	0.14	0.14			-7.93	3.62		-4.31	-1.00	Pass
HE160	MCS0	2	111	6505	996/67	0.14	0.14			-8.04	3.62		-4.42	-1.00	Pass
HE160	MCS0	2	111	6505	996/S67	0.14	0.14			-7.94	3.62		-4.32	-1.00	Pass

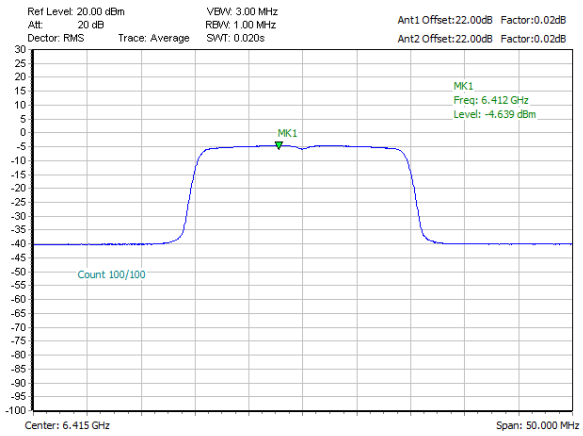
FCC Band VII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	0.02	0.02			-4.87	3.61		-1.26	-1.00	Pass
HE20	MCS0	2	117	6535	26/0	0.02	0.02			-5.05	3.61		-1.44	-1.00	Pass
HE20	MCS0	2	117	6535	52/37	0.02	0.02			-5.09	3.61		-1.48	-1.00	Pass
HE20	MCS0	2	117	6535	106/53	0.02	0.02			-5.01	3.61		-1.40	-1.00	Pass
HE20	MCS0	2	149	6695	Full	0.02	0.02			-4.97	3.61		-1.36	-1.00	Pass
HE20	MCS0	2	149	6695	26/4	0.02	0.02			-5.05	3.61		-1.44	-1.00	Pass
HE20	MCS0	2	149	6695	52/38	0.02	0.02			-5.48	3.61		-1.87	-1.00	Pass
HE20	MCS0	2	149	6695	106/53	0.02	0.02			-5.26	3.61		-1.65	-1.00	Pass
HE20	MCS0	2	181	6855	Full	0.02	0.02			-4.79	3.61		-1.18	-1.00	Pass
HE20	MCS0	2	181	6855	26/8	0.02	0.02			-5.15	3.61		-1.54	-1.00	Pass
HE20	MCS0	2	181	6855	52/40	0.02	0.02			-5.07	3.61		-1.46	-1.00	Pass
HE20	MCS0	2	181	6855	106/54	0.02	0.02			-5.08	3.61		-1.47	-1.00	Pass
HE40	MCS0	2	123	6565	Full	0.03	0.03			-4.83	3.61		-1.22	-1.00	Pass
HE40	MCS0	2	123	6565	242/61	0.03	0.03	-		-5.02	3.61		-1.41	-1.00	Pass
HE40	MCS0	2	147	6685	Full	0.03	0.03			-4.76	3.61		-1.15	-1.00	Pass
HE40	MCS0	2	147	6685	242/61	0.03	0.03			-5.00	3.61		-1.39	-1.00	Pass
HE40	MCS0	2	179	6845	Full	0.03	0.03			-5.17	3.61		-1.56	-1.00	Pass
HE40	MCS0	2	179	6845	242/62	0.03	0.03			-5.22	3.61		-1.61	-1.00	Pass
HE80	MCS0	2	135	6625	Full	0.07	0.07			-4.81	3.61		-1.20	-1.00	Pass
HE80	MCS0	2	135	6625	484/65	0.07	0.07			-5.43	3.61		-1.82	-1.00	Pass
HE80	MCS0	2	151	6705	Full	0.07	0.07			-5.33	3.61		-1.72	-1.00	Pass
HE80	MCS0	2	151	6705	484/65	0.07	0.07			-5.52	3.61		-1.91	-1.00	Pass
HE80	MCS0	2	167	6785	Full	0.07	0.07			-5.08	3.61		-1.47	-1.00	Pass
HE80	MCS0	2	167	6785	484/66	0.07	0.07			-5.49	3.61		-1.88	-1.00	Pass
HE160	MCS0	2	143	6665	Full	0.14	0.14			-8.05	3.61		-4.44	-1.00	Pass
HE160	MCS0	2	143	6665	996/67	0.14	0.14			-8.28	3.61		-4.67	-1.00	Pass

FCC Band VIII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	189	6895	Full	0.02	0.02			-4.58	3.11		-1.47	-1.00	Pass
HE20	MCS0	2	189	6895	26/0	0.02	0.02			-5.00	3.11		-1.89	-1.00	Pass
HE20	MCS0	2	189	6895	52/37	0.02	0.02			-5.09	3.11		-1.98	-1.00	Pass
HE20	MCS0	2	189	6895	106/53	0.02	0.02			-5.06	3.11		-1.95	-1.00	Pass
HE20	MCS0	2	209	6995	Full	0.02	0.02			-4.60	3.11		-1.49	-1.00	Pass
HE20	MCS0	2	209	6995	26/4	0.02	0.02			-4.92	3.11		-1.81	-1.00	Pass
HE20	MCS0	2	209	6995	52/38	0.02	0.02			-4.81	3.11		-1.70	-1.00	Pass
HE20	MCS0	2	209	6995	106/53	0.02	0.02			-4.62	3.11		-1.51	-1.00	Pass
HE20	MCS0	2	229	7095	Full	0.02	0.02			-4.45	3.11		-1.34	-1.00	Pass
HE20	MCS0	2	229	7095	26/8	0.02	0.02			-4.79	3.11		-1.68	-1.00	Pass
HE20	MCS0	2	229	7095	52/40	0.02	0.02			-4.87	3.11		-1.76	-1.00	Pass
HE20	MCS0	2	229	7095	106/54	0.02	0.02			-4.55	3.11		-1.44	-1.00	Pass
HE20	MCS0	2	233	7115	Full	0.02	0.02			-16.45	3.11		-13.34	-1.00	Pass
HE20	MCS0	2	233	7115	26/8	0.02	0.02			-16.47	3.11		-13.36	-1.00	Pass
HE20	MCS0	2	233	7115	52/40	0.02	0.02	-		-16.48	3.11		-13.37	-1.00	Pass
HE20	MCS0	2	233	7115	106/54	0.02	0.02			-16.87	3.11		-13.76	-1.00	Pass
HE40	MCS0	2	195	6925	Full	0.03	0.03			-4.42	3.11		-1.31	-1.00	Pass
HE40	MCS0	2	195	6925	242/61	0.03	0.03			-4.77	3.11		-1.66	-1.00	Pass
HE40	MCS0	2	211	7005	Full	0.03	0.03			-4.41	3.11		-1.30	-1.00	Pass
HE40	MCS0	2	211	7005	242/62	0.03	0.03			-4.65	3.11		-1.54	-1.00	Pass
HE40	MCS0	2	227	7085	Full	0.03	0.03			-4.53	3.11		-1.42	-1.00	Pass
HE40	MCS0	2	227	7085	242/62	0.03	0.03			-4.68	3.11		-1.57	-1.00	Pass
HE80	MCS0	2	199	6945	Full	0.07	0.07			-5.31	3.11		-2.20	-1.00	Pass
HE80	MCS0	2	199	6945	484/65	0.07	0.07			-5.78	3.11		-2.67	-1.00	Pass
HE80	MCS0	2	215	7025	Full	0.07	0.07			-5.55	3.11		-2.44	-1.00	Pass
HE80	MCS0	2	215	7025	484/66	0.07	0.07			-6.07	3.11		-2.96	-1.00	Pass
HE160	MCS0	2	207	6985	Full	0.14	0.14			-7.58	3.11		-4.47	-1.00	Pass
HE160	MCS0	2	207	6985	996/67	0.14	0.14			-7.99	3.11		-4.88	-1.00	Pass
HE160	MCS0	2	207	6985	996/S67	0.14	0.14			-7.98	3.11		-4.87	-1.00	Pass

FCC Band VIII straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	185	6875	Full	0.02	0.02	-		-4.53	3.11		-1.42	-1.00	Pass
HE20	MCS0	2	185	6875	26/8	0.02	0.02			-5.00	3.11		-1.89	-1.00	Pass
HE20	MCS0	2	185	6875	52/40	0.02	0.02			-5.01	3.11		-1.90	-1.00	Pass
HE20	MCS0	2	185	6875	106/54	0.02	0.02			-4.90	3.11		-1.79	-1.00	Pass
HE40	MCS0	2	187	6885	Full	0.03	0.03			-4.29	3.11		-1.18	-1.00	Pass
HE40	MCS0	2	187	6885	242/62	0.03	0.03			-4.66	3.11		-1.55	-1.00	Pass
HE80	MCS0	2	183	6865	Full	0.07	0.07			-5.50	3.11		-2.39	-1.00	Pass
HE80	MCS0	2	183	6865	484/66	0.07	0.07			-5.57	3.11		-2.46	-1.00	Pass
HE160	MCS0	2	175	6825	Full	0.14	0.14			-7.36	3.11		-4.25	-1.00	Pass
HE160	MCS0	2	175	6825	996/S67	0.14	0.14			-7.41	3.11		-4.30	-1.00	Pass

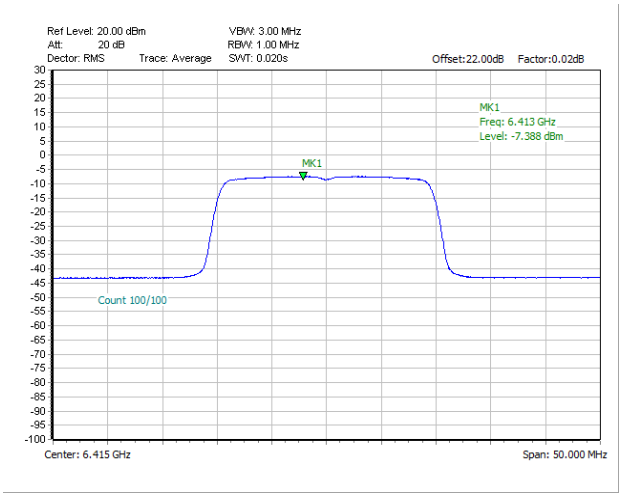
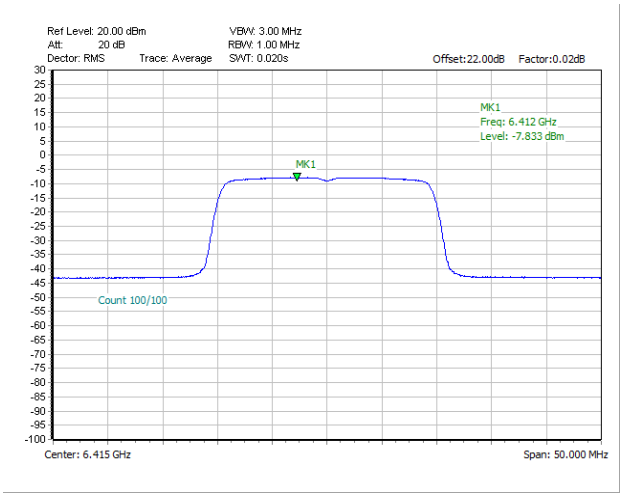
<Maximum EIRP Power Density>

<802.11ax HE20>

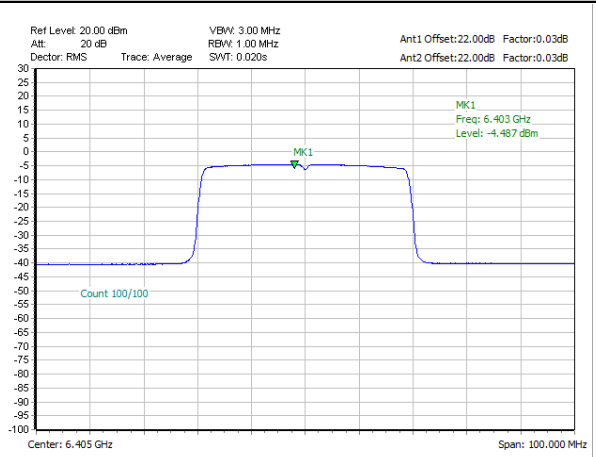
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

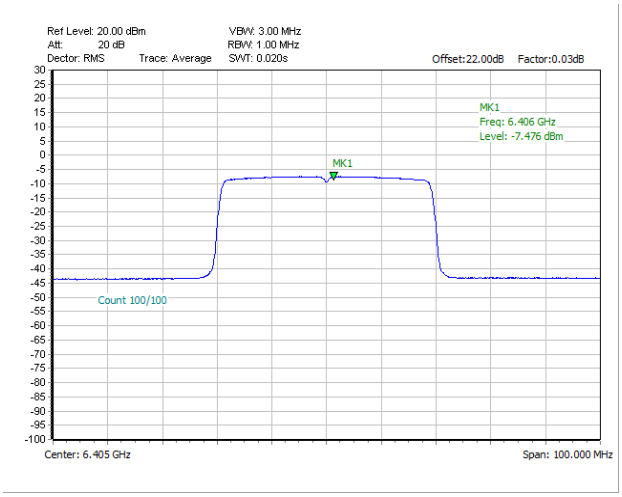
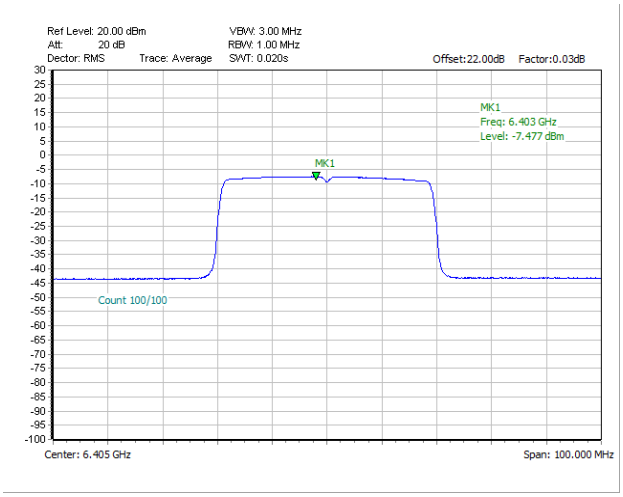
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE40>

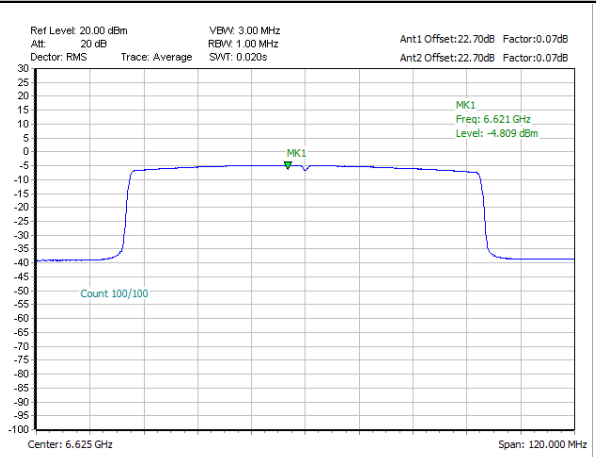
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

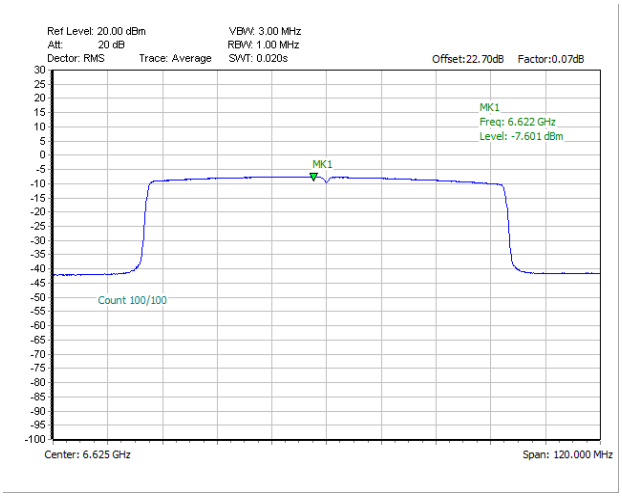
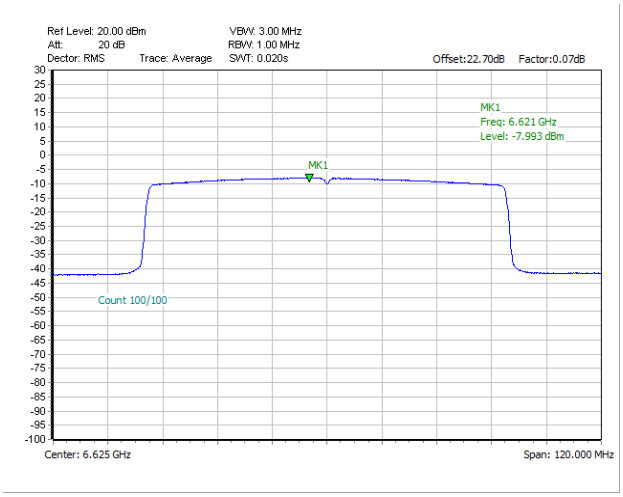
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE80>

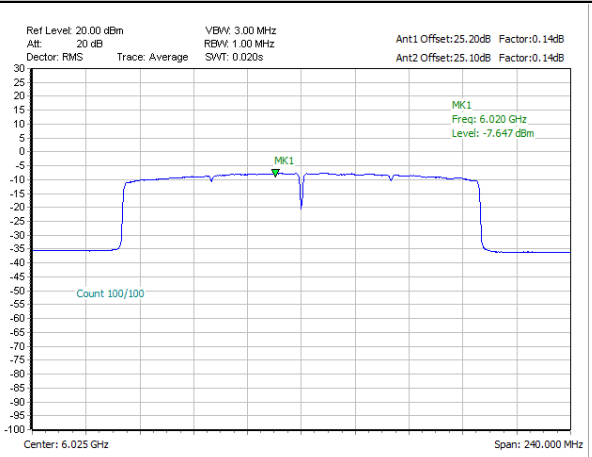
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

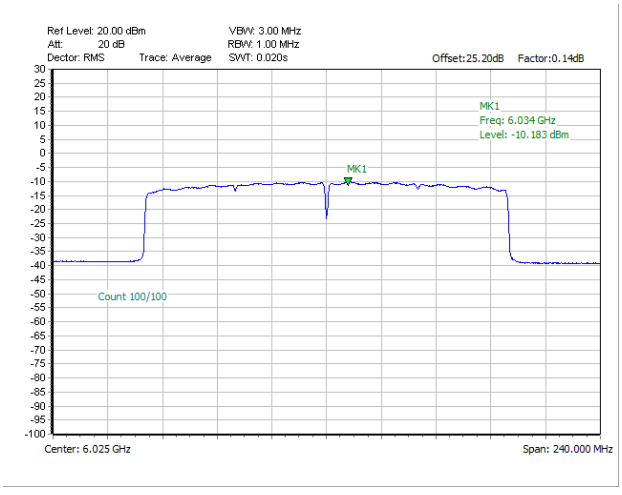
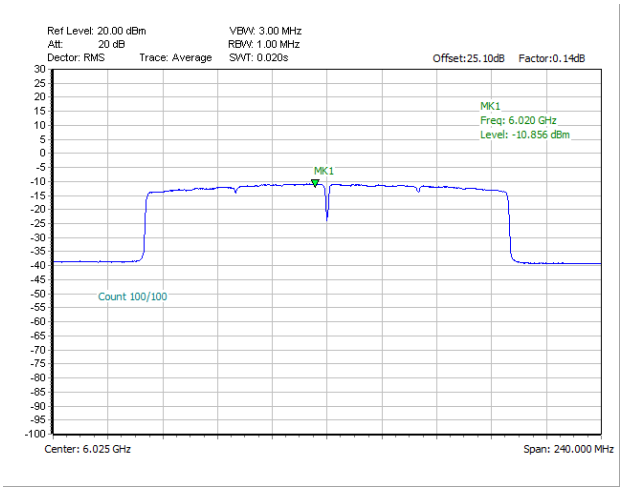
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE160>

Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

Test Engineer :	Jacob Yu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

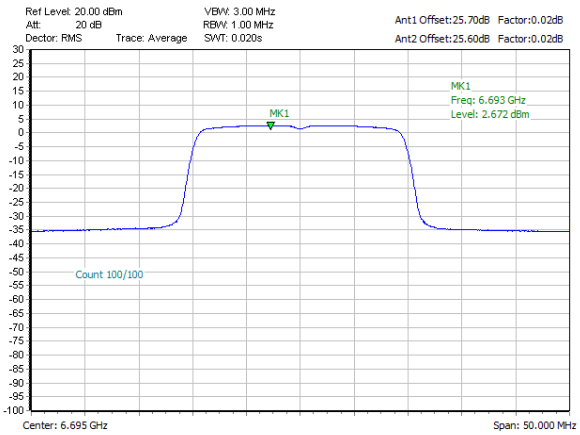
<Standard Client>

FCC Band V MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	001	5955	Full	0.02	0.02			0.85	3.48		4.33	17.00	Pass
HE20	MCS0	2	001	5955	26/0	0.02	0.02			0.73	3.48		4.21	17.00	Pass
HE20	MCS0	2	001	5955	52/37	0.02	0.02			-0.45	3.48		3.03	17.00	Pass
HE20	MCS0	2	001	5955	106/53	0.02	0.02			0.58	3.48		4.06	17.00	Pass
HE20	MCS0	2	049	6195	Full	0.02	0.02			0.50	3.48		3.98	17.00	Pass
HE20	MCS0	2	049	6195	26/4	0.02	0.02			0.43	3.48		3.91	17.00	Pass
HE20	MCS0	2	049	6195	52/39	0.02	0.02			0.24	3.48		3.72	17.00	Pass
HE20	MCS0	2	049	6195	106/53	0.02	0.02			0.21	3.48		3.69	17.00	Pass
HE20	MCS0	2	093	6415	Full	0.02	0.02			0.59	3.48		4.07	17.00	Pass
HE20	MCS0	2	093	6415	26/8	0.02	0.02			0.21	3.48		3.69	17.00	Pass
HE20	MCS0	2	093	6415	52/40	0.02	0.02			0.10	3.48		3.58	17.00	Pass
HE20	MCS0	2	093	6415	106/54	0.02	0.02			0.47	3.48		3.95	17.00	Pass
HE40	MCS0	2	003	5965	Full	0.03	0.03			-2.14	3.48		1.34	17.00	Pass
HE40	MCS0	2	003	5965	242/61	0.03	0.03			-2.46	3.48		1.02	17.00	Pass
HE40	MCS0	2	051	6205	Full	0.03	0.03			-2.52	3.48		0.96	17.00	Pass
HE40	MCS0	2	051	6205	242/61	0.03	0.03	-		-2.62	3.48		0.86	17.00	Pass
HE40	MCS0	2	091	6405	Full	0.03	0.03			-1.97	3.48		1.51	17.00	Pass
HE40	MCS0	2	091	6405	242/62	0.03	0.03			-2.25	3.48		1.23	17.00	Pass
HE80	MCS0	2	007	5985	Full	0.07	0.07			-5.10	3.48		-1.62	17.00	Pass
HE80	MCS0	2	007	5985	484/65	0.07	0.07			-5.28	3.48		-1.80	17.00	Pass
HE80	MCS0	2	055	6225	Full	0.07	0.07			-4.92	3.48		-1.44	17.00	Pass
HE80	MCS0	2	055	6225	484/65	0.07	0.07			-5.20	3.48		-1.72	17.00	Pass
HE80	MCS0	2	087	6385	Full	0.07	0.07			-4.88	3.48		-1.40	17.00	Pass
HE80	MCS0	2	087	6385	484/66	0.07	0.07			-5.28	3.48		-1.80	17.00	Pass
HE160	MCS0	2	015	6025	Full	0.14	0.14			-7.65	3.48		-4.17	17.00	Pass
HE160	MCS0	2	015	6025	996/67	0.14	0.14			-8.07	3.48		-4.59	17.00	Pass
HE160	MCS0	2	047	6185	Full	0.14	0.14			-7.77	3.48		-4.29	17.00	Pass
HE160	MCS0	2	047	6185	996/67	0.14	0.14			-8.20	3.48		-4.72	17.00	Pass
HE160	MCS0	2	079	6345	Full	0.14	0.14			-7.78	3.48		-4.30	17.00	Pass
HE160	MCS0	2	079	6345	996/S67	0.14	0.14			-8.26	3.48		-4.78	17.00	Pass

FCC Band VII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
HE20	MCS0	2	117	6535	Full	0.02	0.02			2.48	3.61		6.09	17.00	Pass
HE20	MCS0	2	117	6535	26/0	0.02	0.02			2.22	3.61		5.83	17.00	Pass
HE20	MCS0	2	117	6535	52/37	0.02	0.02			2.31	3.61		5.92	17.00	Pass
HE20	MCS0	2	117	6535	106/53	0.02	0.02			2.19	3.61		5.80	17.00	Pass
HE20	MCS0	2	149	6695	Full	0.02	0.02			2.67	3.61		6.28	17.00	Pass
HE20	MCS0	2	149	6695	26/4	0.02	0.02			2.41	3.61		6.02	17.00	Pass
HE20	MCS0	2	149	6695	52/38	0.02	0.02			2.26	3.61		5.87	17.00	Pass
HE20	MCS0	2	149	6695	106/53	0.02	0.02			2.52	3.61		6.13	17.00	Pass
HE20	MCS0	2	181	6855	Full	0.02	0.02			2.06	3.61		5.67	17.00	Pass
HE20	MCS0	2	181	6855	26/8	0.02	0.02			1.78	3.61		5.39	17.00	Pass
HE20	MCS0	2	181	6855	52/40	0.02	0.02			1.65	3.61		5.26	17.00	Pass
HE20	MCS0	2	181	6855	106/54	0.02	0.02			1.74	3.61		5.35	17.00	Pass
HE40	MCS0	2	123	6565	Full	0.03	0.03			-0.20	3.61		3.42	17.00	Pass
HE40	MCS0	2	123	6565	242/61	0.03	0.03			-0.22	3.61		3.39	17.00	Pass
HE40	MCS0	2	147	6685	Full	0.03	0.03			-0.23	3.61		3.38	17.00	Pass
HE40	MCS0	2	147	6685	242/61	0.03	0.03			-0.46	3.61		3.15	17.00	Pass
HE40	MCS0	2	179	6845	Full	0.03	0.03			-0.18	3.61		3.43	17.00	Pass
HE40	MCS0	2	179	6845	242/62	0.03	0.03			-0.34	3.61		3.27	17.00	Pass
HE80	MCS0	2	135	6625	Full	0.07	0.07			-3.31	3.61		0.30	17.00	Pass
HE80	MCS0	2	135	6625	484/65	0.07	0.07			-3.57	3.61		0.04	17.00	Pass
HE80	MCS0	2	151	6705	Full	0.07	0.07			-3.20	3.61		0.41	17.00	Pass
HE80	MCS0	2	151	6705	484/65	0.07	0.07			-3.48	3.61		0.13	17.00	Pass
HE80	MCS0	2	167	6785	Full	0.07	0.07			-3.30	3.61		0.31	17.00	Pass
HE80	MCS0	2	167	6785	484/66	0.07	0.07			-3.43	3.61		0.18	17.00	Pass
HE160	MCS0	2	143	6665	Full	0.14	0.14			-5.78	3.61		-2.17	17.00	Pass
HE160	MCS0	2	143	6665	996/67	0.14	0.14			-5.90	3.61		-2.29	17.00	Pass

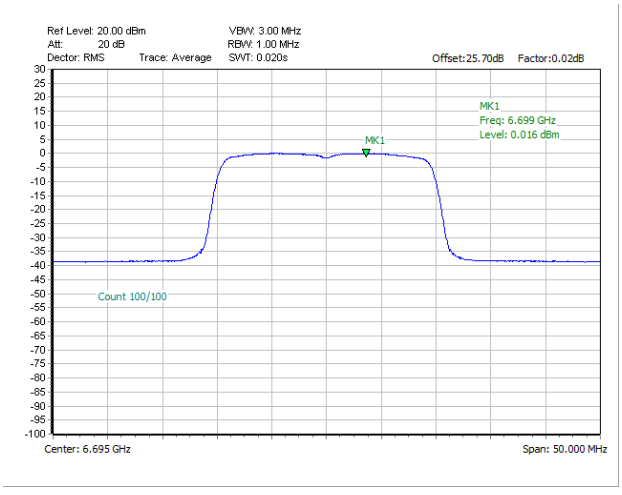
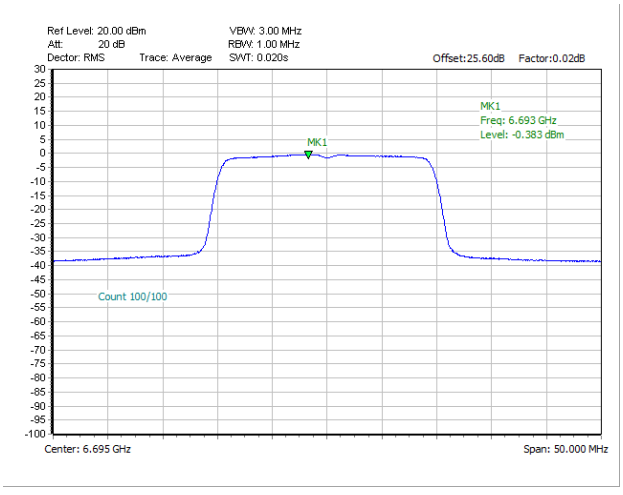
<Maximum EIRP Power Density>

<802.11ax HE20>

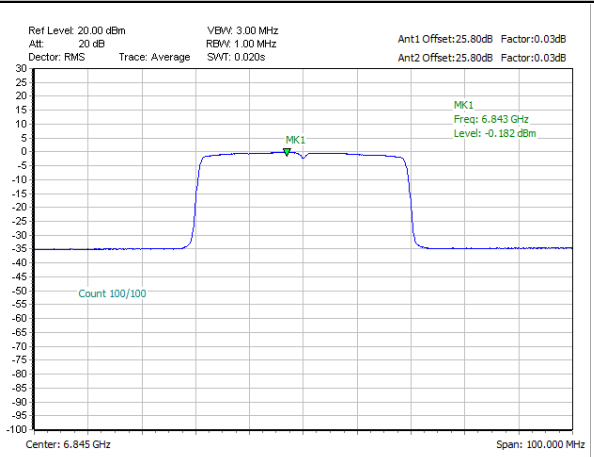
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

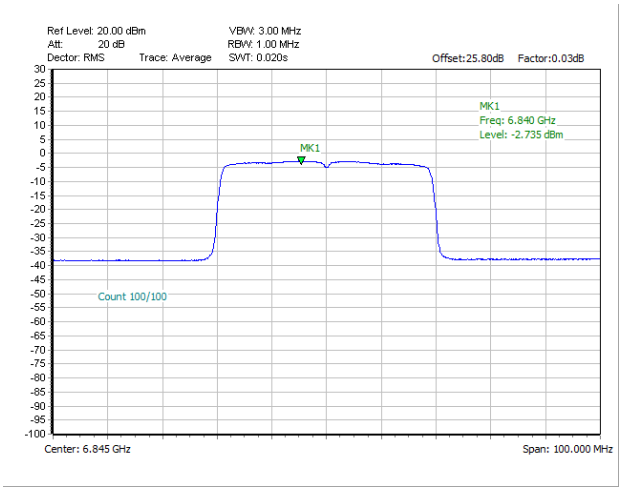
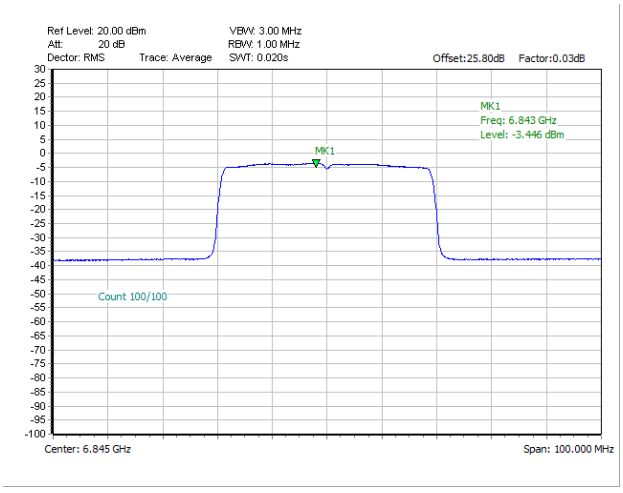
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE40>

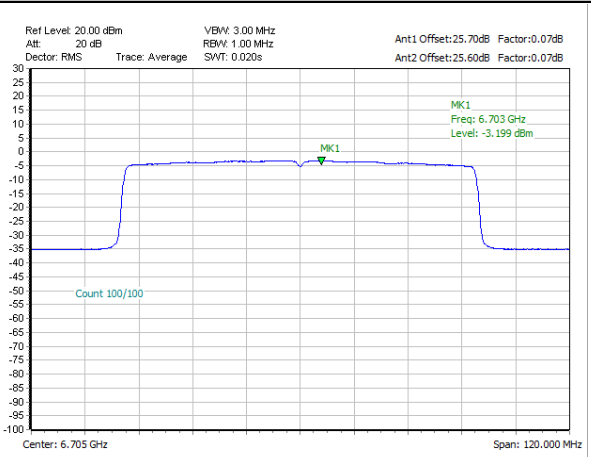
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

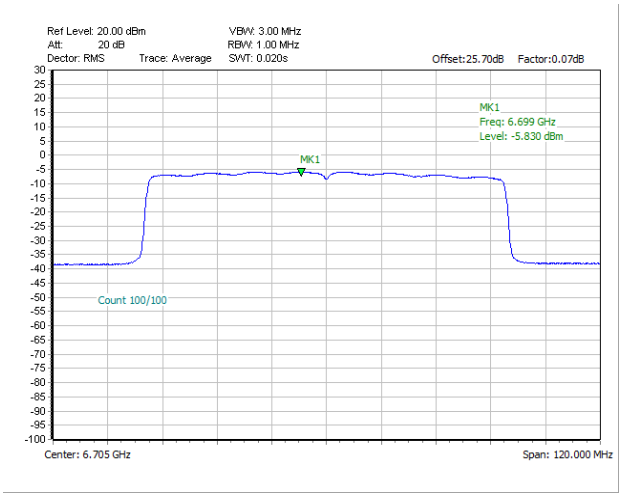
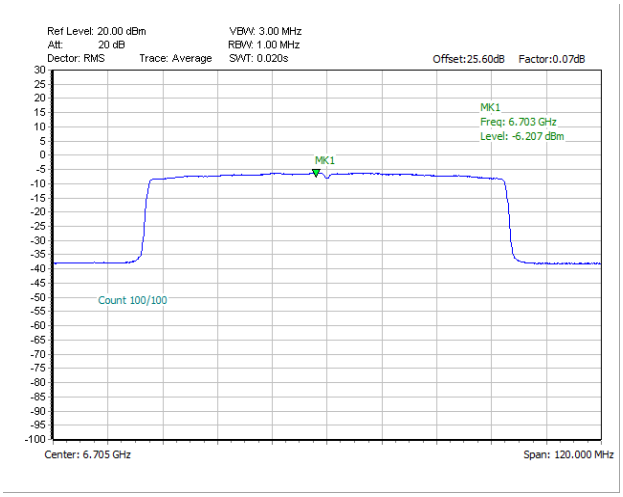
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE80>

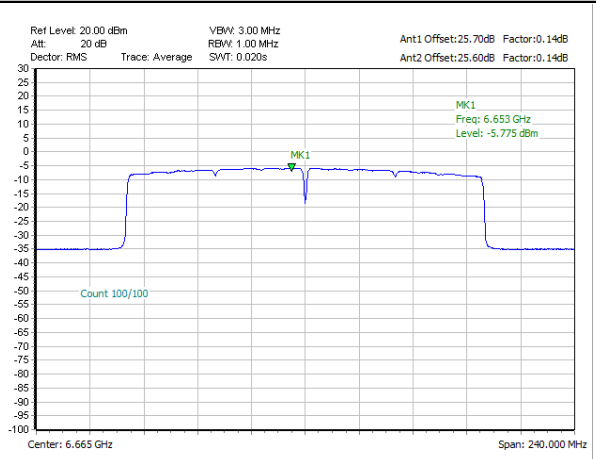
Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

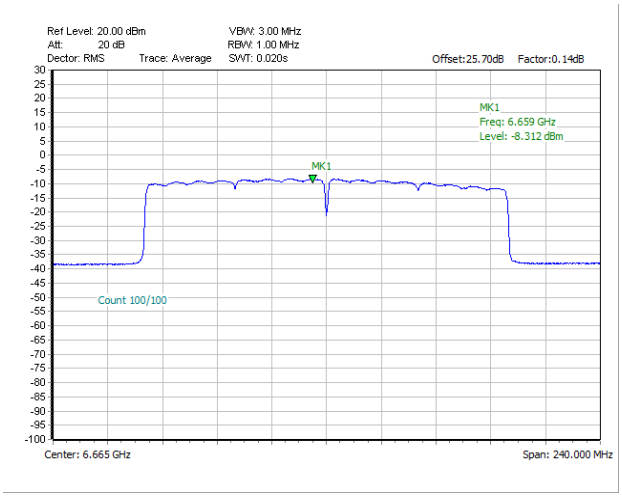
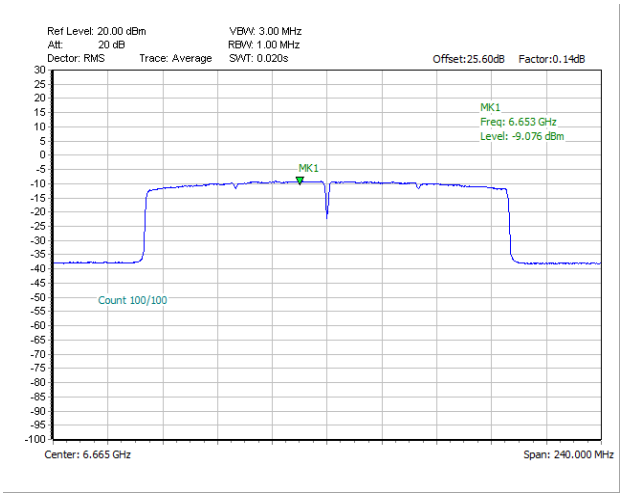
Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<802.11ax HE160>

Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

<CDD Mode>

Test Engineer :	Jacob Yu and Hank Hsu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

<Indoor Client>

FCC Band V MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	001	5955	0.04	0.04	-		-7.55	6.48		-1.07	-1.00	Pass
11a	6Mbps	2	049	6195	0.04	0.04			-7.57	6.48		-1.09	-1.00	Pass
11a	6Mbps	2	093	6415	0.04	0.04			-7.56	6.48		-1.08	-1.00	Pass

FCC Band VI MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	097	6435	0.04	0.04	-		-8.00	6.62		-1.38	-1.00	Pass
11a	6Mbps	2	105	6475	0.04	0.04			-7.64	6.62		-1.02	-1.00	Pass
11a	6Mbps	2	113	6515	0.04	0.04			-7.63	6.62		-1.01	-1.00	Pass

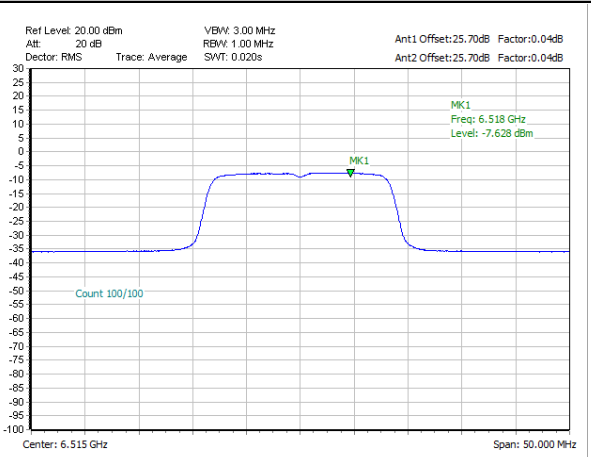
FCC Band VII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	117	6535	0.04	0.04	-		-7.69	6.62		-1.07	-1.00	Pass
11a	6Mbps	2	149	6695	0.04	0.04			-7.91	6.62		-1.30	-1.00	Pass
11a	6Mbps	2	181	6855	0.04	0.04			-7.75	6.62		-1.14	-1.00	Pass

FCC Band VIII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	189	6895	0.04	0.04	-		-7.36	6.12		-1.24	-1.00	Pass
11a	6Mbps	2	209	6995	0.04	0.04			-7.20	6.12		-1.08	-1.00	Pass
11a	6Mbps	2	233	7115	0.04	0.04			-7.52	6.12		-1.41	-1.00	Pass

FCC Band VIII Straddle Channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	185	6875	0.04	0.04	-		-7.69	6.12		-1.57	-1.00	Pass

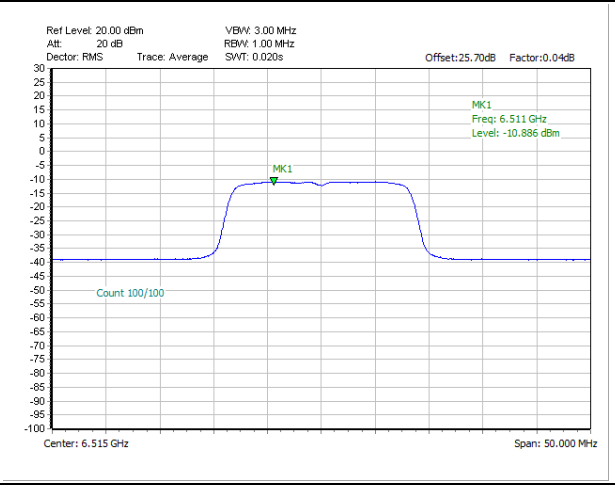
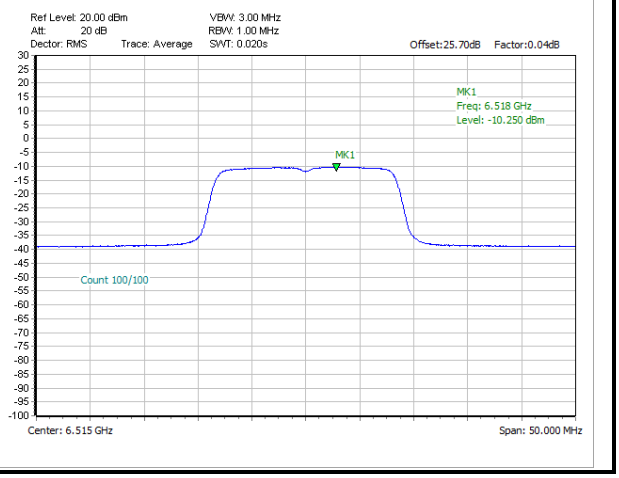
<Maximum EIRP Power Density>

<802.11a>

Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

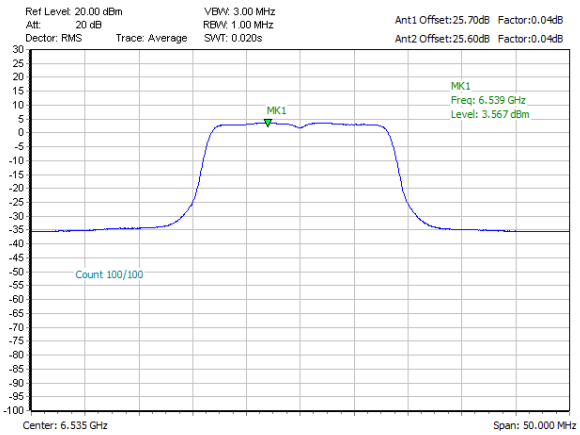
<Standard Client>

FCC Band V MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	001	5955	0.04	0.04	-		0.87	6.48		7.35	17.00	Pass
11a	6Mbps	2	049	6195	0.04	0.04			1.03	6.48		7.51	17.00	Pass
11a	6Mbps	2	093	6415	0.04	0.04			1.22	6.48		7.69	17.00	Pass

FCC Band VII MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 9	Ant 8	Ant 9	Ant 8	SUM	Ant 9	Ant 8	SUM		
11a	6Mbps	2	117	6535	0.04	0.04	-		3.57	6.62		10.18	17.00	Pass
11a	6Mbps	2	149	6695	0.04	0.04			3.31	6.62		9.93	17.00	Pass
11a	6Mbps	2	181	6855	0.04	0.04			3.22	6.62		9.84	17.00	Pass

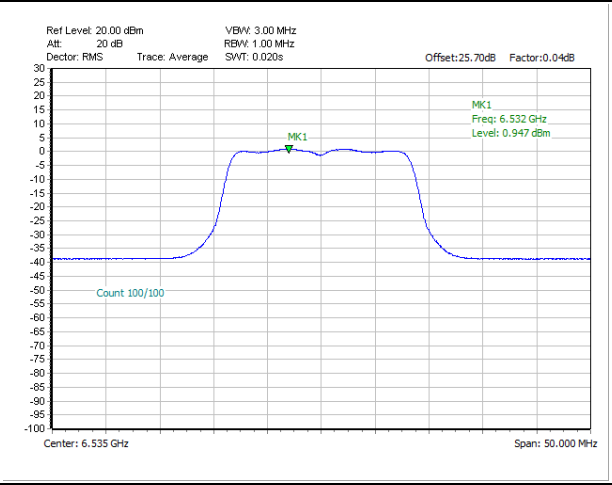
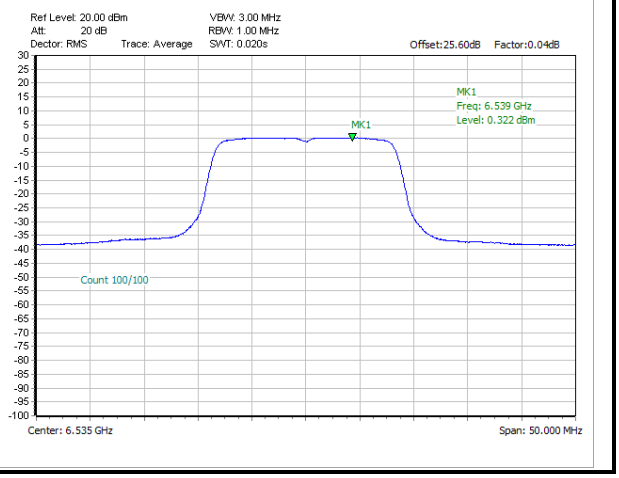
<Maximum EIRP Power Density>

<802.11a>

Power Density Plot (dBm/MHz)


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

Power Density Plot Trace 1 (Ant 9)	Power Density Plot Trace 2 (Ant 8)
	

3.4 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(b)(7) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

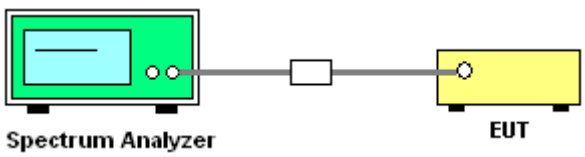
3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
   a) Set the span to encompass the entire 26 dB EBW of the signal.
   b) Set RBW = same RBW used for 26 dB EBW measurement.
   c) Set VBW ≥ 3 X RBW
   d) Number of points in sweep ≥ [2 X span / RBW].
   e) Sweep time = auto.
   f) Detector = RMS (i.e., power averaging)
   g) Trace average at least 100 traces in power averaging (rms) mode.
   h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
   a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
   b. Suppressed by 28 dB at one channel bandwidth from the channel center.
   c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

3.4.4 Test Setup



3.4.5 Test Result

Test Engineer :	Jacob Yu and Hank Hsu	Temperature :	17.7~22.5℃
		Relative Humidity :	45.1~61.9%

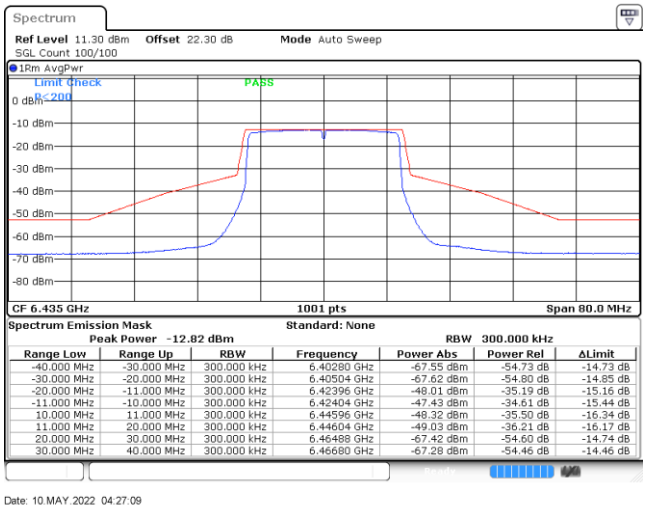
<SDM Mode>

<Indoor Client>

EUT Mode :	802.11ax HE20

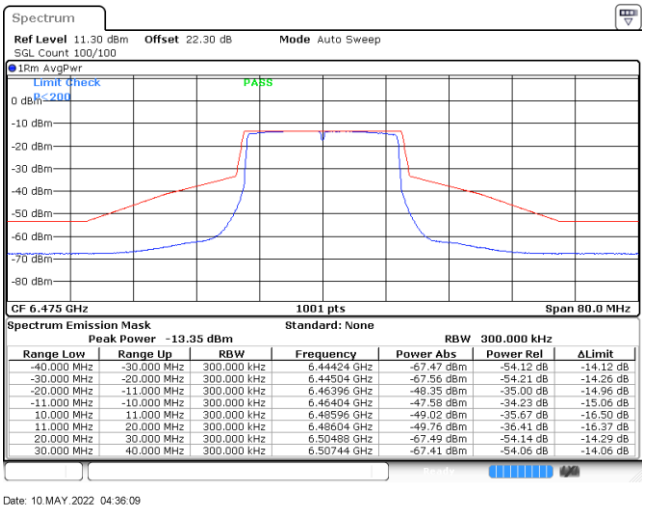
MIMO <Ant. 9+8(9)>

Plot on Channel 6435MHz



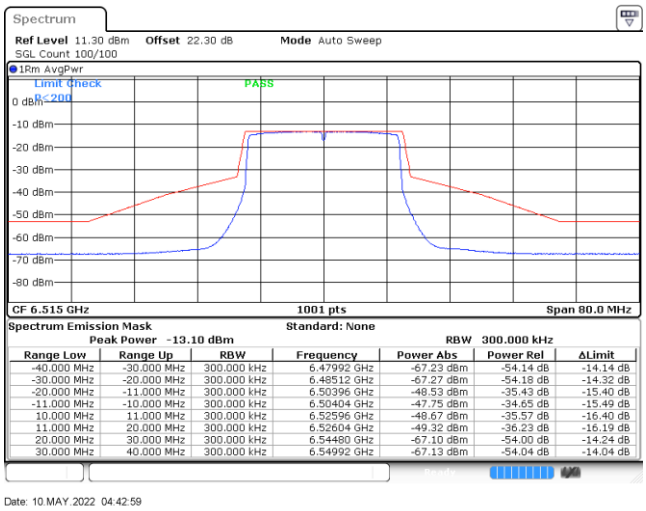
Date: 10.MAY.2022 04:27:09

Plot on Channel 6475MHz



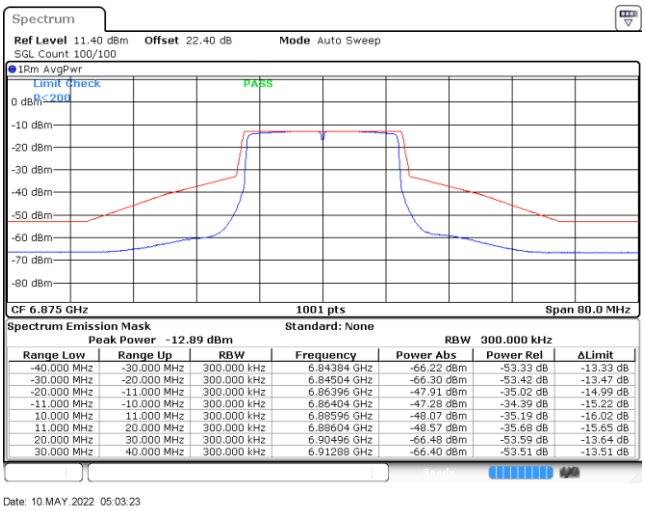
Date: 10.MAY.2022 04:36:09

Plot on Channel 6515MHz



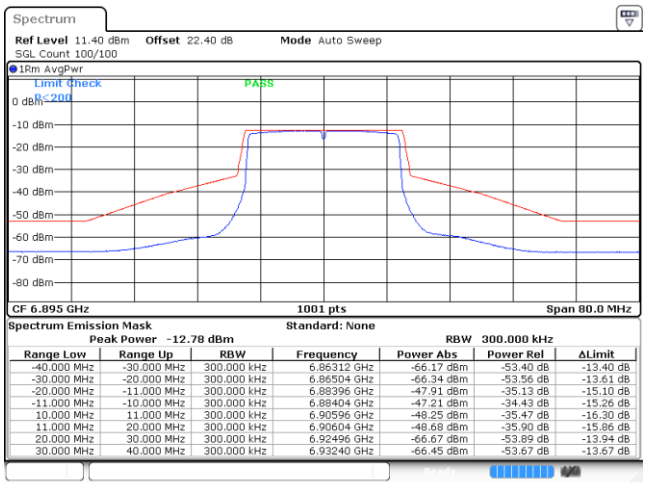
Date: 10.MAY.2022 04:42:59

Plot on Channel 6875MHz



Date: 10.MAY.2022 05:03:23

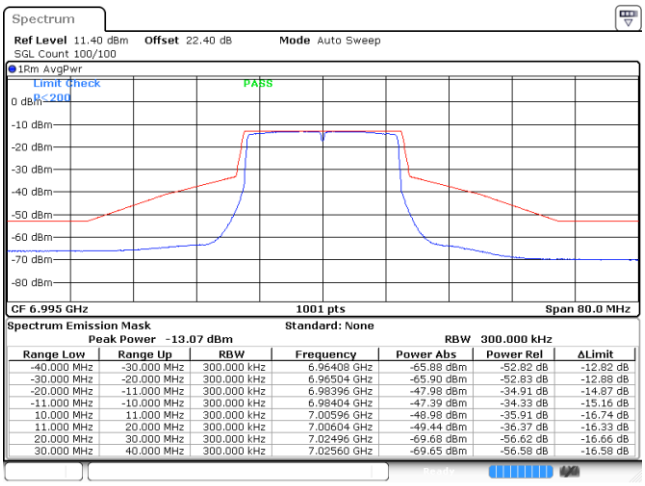
Plot on Channel 6895MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.86312 GHz	-66.17 dBm	-53.40 dB	-13.40 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.86504 GHz	-66.34 dBm	-53.56 dB	-13.61 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.88396 GHz	-47.91 dBm	-35.13 dB	-15.10 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.88404 GHz	-47.21 dBm	-34.43 dB	-15.26 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.90596 GHz	-48.25 dBm	-35.47 dB	-16.30 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.90604 GHz	-48.68 dBm	-35.90 dB	-15.86 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.92496 GHz	-66.67 dBm	-53.89 dB	-13.94 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.93240 GHz	-66.45 dBm	-53.67 dB	-13.67 dB

Date: 10.MAY.2022 05:13:03

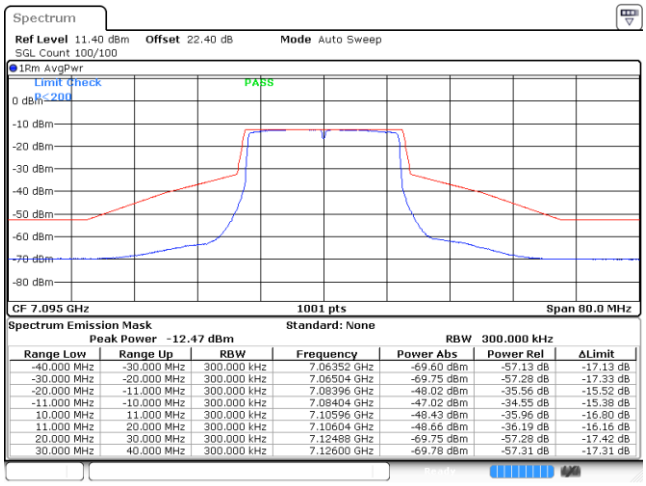
Plot on Channel 6995MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.96408 GHz	-65.88 dBm	-52.82 dB	-12.82 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.96504 GHz	-65.90 dBm	-52.83 dB	-12.88 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.98396 GHz	-47.98 dBm	-34.91 dB	-14.87 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.98404 GHz	-47.39 dBm	-34.33 dB	-15.16 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.00596 GHz	-48.98 dBm	-35.91 dB	-16.74 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.00604 GHz	-49.44 dBm	-36.37 dB	-16.33 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.02496 GHz	-69.68 dBm	-56.62 dB	-16.66 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.02560 GHz	-69.65 dBm	-56.58 dB	-16.58 dB

Date: 10.MAY.2022 05:18:34

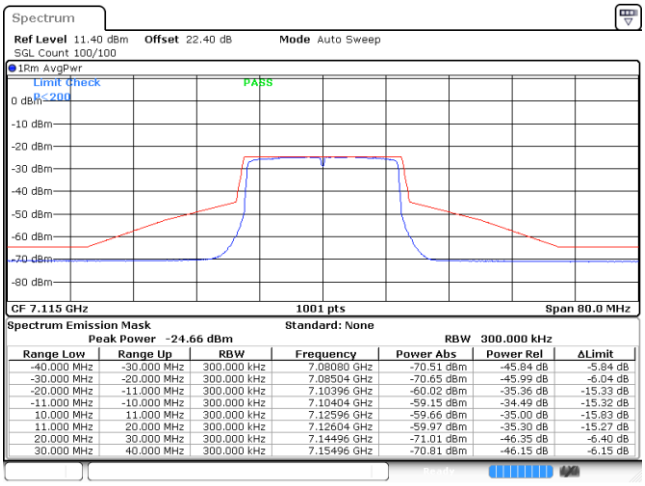
Plot on Channel 7095MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06352 GHz	-69.60 dBm	-57.13 dB	-17.13 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06504 GHz	-69.75 dBm	-57.28 dB	-17.33 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08396 GHz	-48.02 dBm	-35.56 dB	-15.52 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08404 GHz	-47.02 dBm	-34.55 dB	-15.38 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10596 GHz	-48.43 dBm	-35.96 dB	-16.80 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10604 GHz	-48.66 dBm	-36.19 dB	-16.16 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12488 GHz	-69.75 dBm	-57.28 dB	-17.42 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12600 GHz	-69.78 dBm	-57.31 dB	-17.31 dB

Date: 10.MAY.2022 05:29:51

Plot on Channel 7115MHz

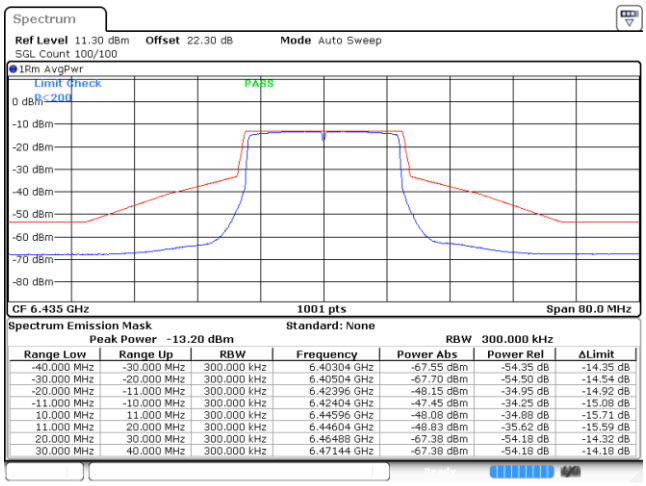


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.08080 GHz	-70.51 dBm	-45.84 dB	-5.84 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.08504 GHz	-70.65 dBm	-45.99 dB	-6.04 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.10396 GHz	-60.02 dBm	-35.36 dB	-15.33 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.10404 GHz	-59.15 dBm	-34.49 dB	-15.32 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.12596 GHz	-59.66 dBm	-35.00 dB	-15.83 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.12604 GHz	-59.97 dBm	-35.30 dB	-15.27 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.14496 GHz	-71.01 dBm	-46.35 dB	-6.40 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.15496 GHz	-70.81 dBm	-46.15 dB	-6.15 dB

Date: 10.MAY.2022 05:35:47

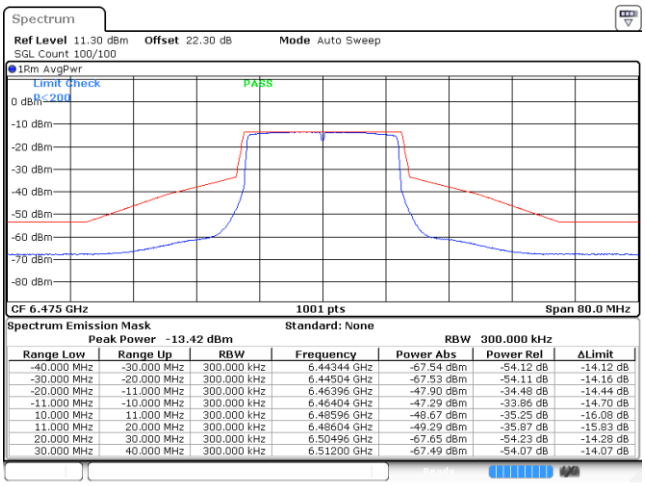
MIMO <Ant. 9+8(8)>

Plot on Channel 6435MHz



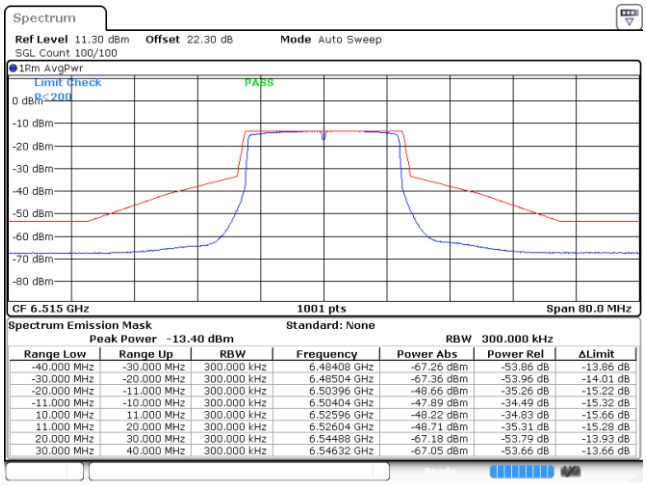
Date: 10.MAY.2022 04:29:24

Plot on Channel 6475MHz



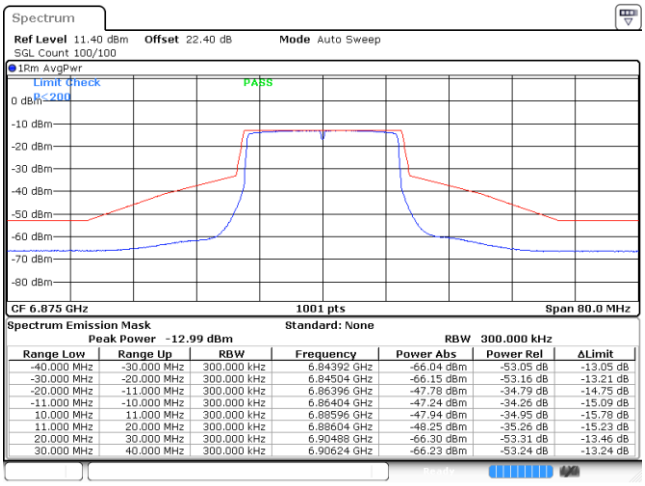
Date: 10.MAY.2022 04:37:28

Plot on Channel 6515MHz



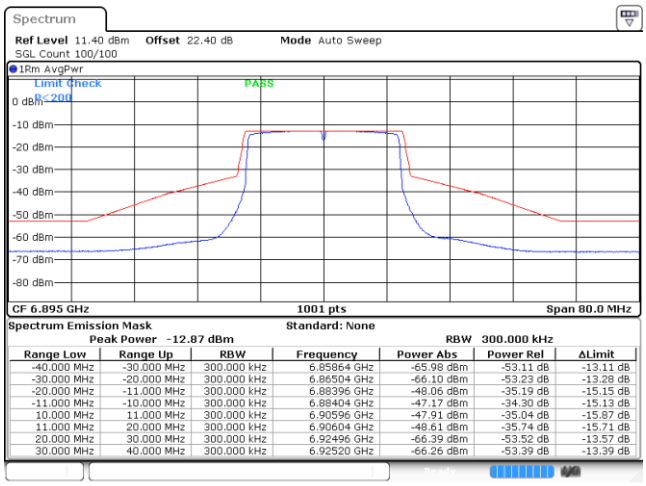
Date: 10.MAY.2022 04:43:57

Plot on Channel 6875MHz



Date: 10.MAY.2022 05:05:05

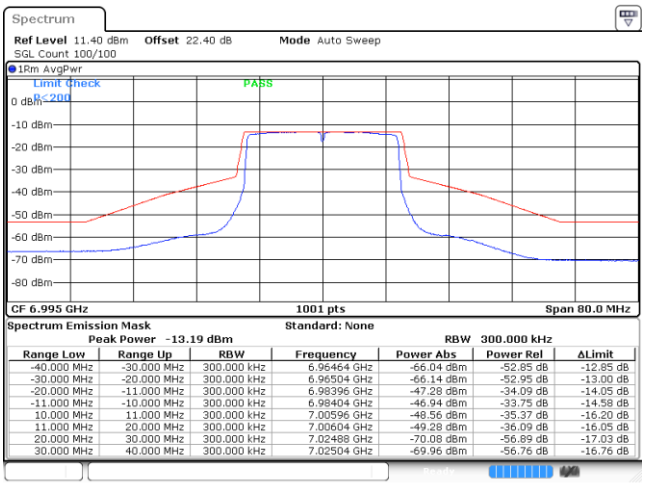
Plot on Channel 6895MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.85864 GHz	-65.98 dBm	-53.11 dB	-13.11 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.86504 GHz	-66.10 dBm	-53.23 dB	-13.28 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.88396 GHz	-48.06 dBm	-35.19 dB	-15.15 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.88404 GHz	-47.17 dBm	-34.30 dB	-15.13 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.90596 GHz	-47.91 dBm	-35.04 dB	-15.87 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.90604 GHz	-48.61 dBm	-35.74 dB	-15.71 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.92496 GHz	-66.39 dBm	-53.52 dB	-13.57 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.92520 GHz	-66.26 dBm	-53.39 dB	-13.39 dB

Date: 10.MAY.2022 05:14:01

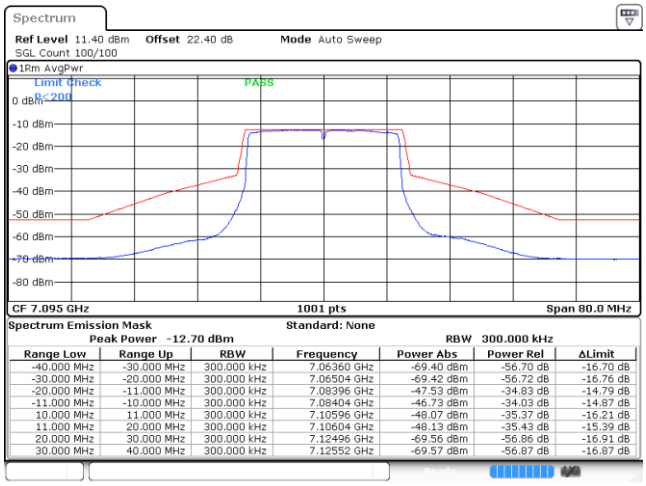
Plot on Channel 6995MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.96464 GHz	-66.04 dBm	-52.85 dB	-12.85 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.96504 GHz	-66.14 dBm	-52.95 dB	-13.00 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.98396 GHz	-47.28 dBm	-34.09 dB	-14.05 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.98404 GHz	-46.94 dBm	-33.75 dB	-14.58 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.00596 GHz	-48.56 dBm	-35.37 dB	-16.20 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.00604 GHz	-49.28 dBm	-36.09 dB	-16.05 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.02488 GHz	-70.08 dBm	-56.89 dB	-17.03 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.02504 GHz	-69.96 dBm	-56.76 dB	-16.76 dB

Date: 10.MAY.2022 05:19:31

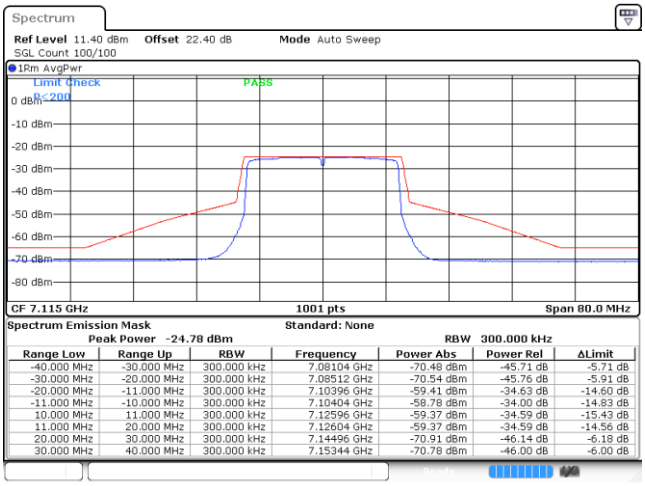
Plot on Channel 7095MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06360 GHz	-69.40 dBm	-56.70 dB	-16.70 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06504 GHz	-69.42 dBm	-56.72 dB	-16.76 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08396 GHz	-47.53 dBm	-34.83 dB	-14.79 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08404 GHz	-46.73 dBm	-34.03 dB	-14.87 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10596 GHz	-48.07 dBm	-35.37 dB	-16.21 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10604 GHz	-48.13 dBm	-35.43 dB	-15.39 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12496 GHz	-69.56 dBm	-56.86 dB	-16.91 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12552 GHz	-69.57 dBm	-56.87 dB	-16.87 dB

Date: 10.MAY.2022 05:30:56

Plot on Channel 7115MHz



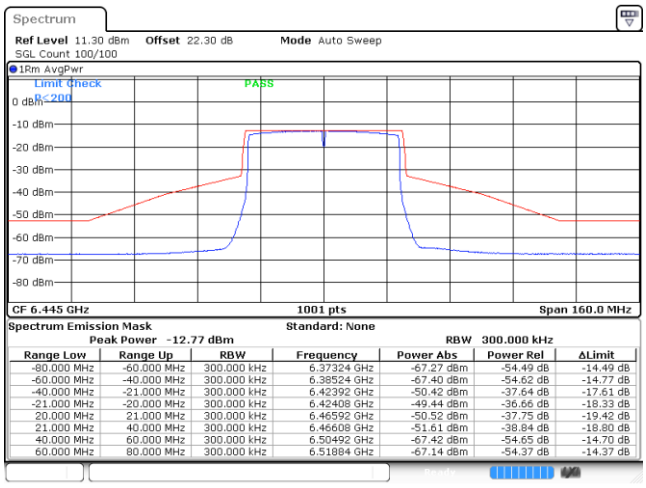
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.08104 GHz	-70.48 dBm	-45.71 dB	-5.71 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.08512 GHz	-70.54 dBm	-45.76 dB	-5.91 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.10396 GHz	-59.41 dBm	-34.63 dB	-14.60 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.10404 GHz	-58.78 dBm	-34.00 dB	-14.83 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.12596 GHz	-59.37 dBm	-34.59 dB	-15.43 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.12604 GHz	-59.37 dBm	-34.59 dB	-14.56 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.14496 GHz	-70.91 dBm	-46.14 dB	-6.18 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.15344 GHz	-70.78 dBm	-46.00 dB	-6.00 dB

Date: 10.MAY.2022 05:36:56

EUT Mode :	802.11ax HE40

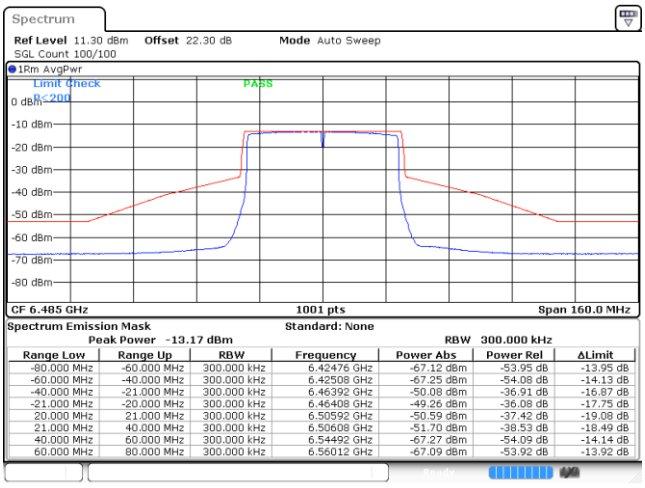
MIMO <Ant. 9+8(9)>

Plot on Channel 6445MHz



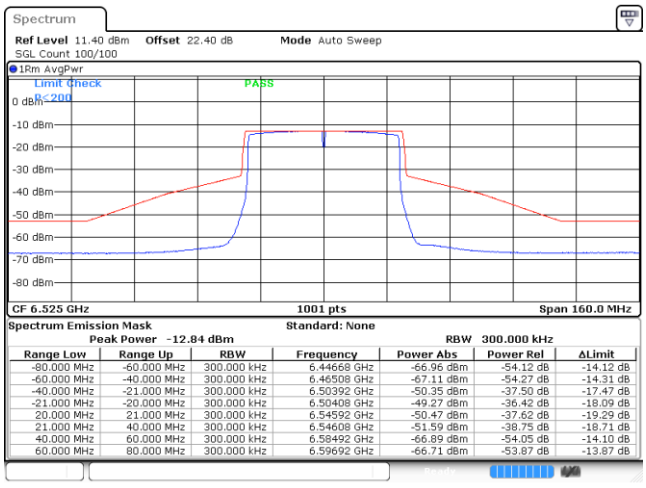
Date: 10.MAY.2022 06:04:02

Plot on Channel 6485MHz



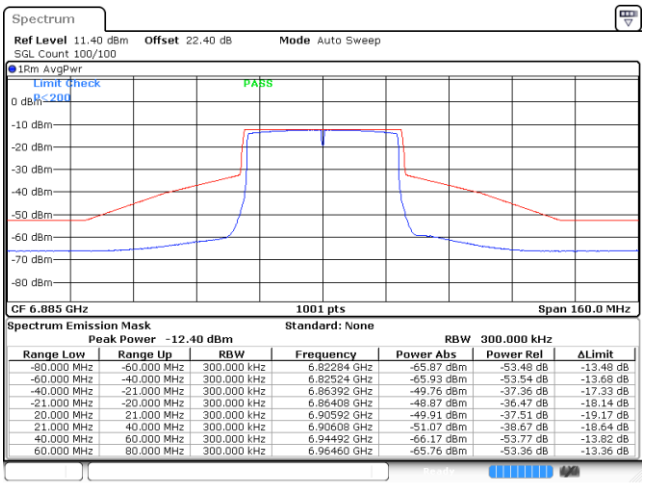
Date: 10.MAY.2022 06:28:48

Plot on Channel 6525MHz



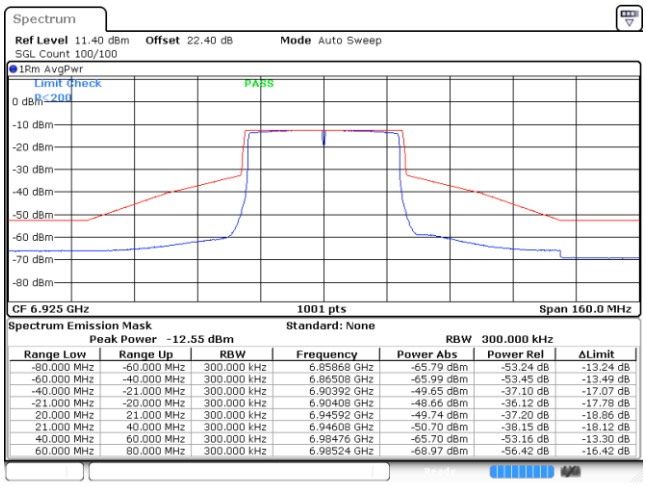
Date: 10.MAY.2022 06:36:49

Plot on Channel 6885MHz



Date: 10.MAY.2022 07:01:14

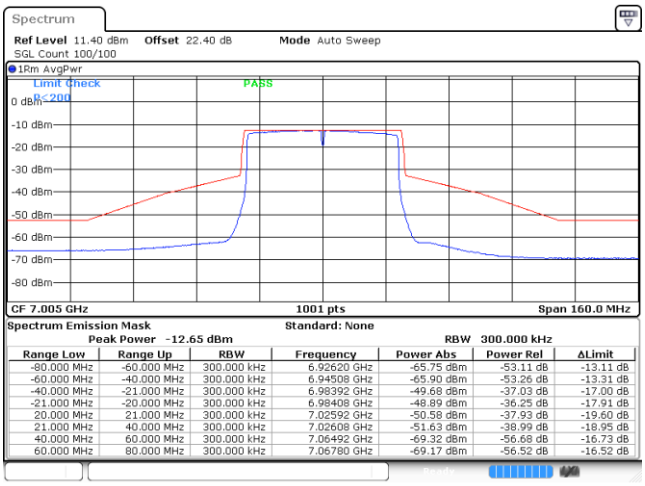
Plot on Channel 6925MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.85868 GHz	-65.79 dBm	-53.24 dB	-13.24 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.86508 GHz	-65.99 dBm	-53.45 dB	-13.49 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.90392 GHz	-49.65 dBm	-37.10 dB	-17.07 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.90408 GHz	-48.66 dBm	-36.12 dB	-17.78 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.94592 GHz	-49.74 dBm	-37.20 dB	-18.86 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.94608 GHz	-50.70 dBm	-38.15 dB	-18.12 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.98476 GHz	-65.70 dBm	-53.16 dB	-13.30 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.98524 GHz	-68.97 dBm	-56.42 dB	-16.42 dB

Date: 10.MAY.2022 07:05:53

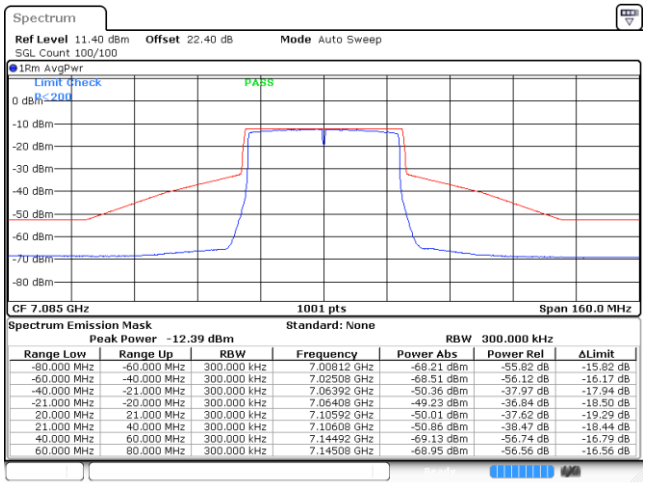
Plot on Channel 7005MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.92620 GHz	-65.75 dBm	-53.11 dB	-13.11 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.94508 GHz	-65.90 dBm	-53.26 dB	-13.31 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.98392 GHz	-49.68 dBm	-37.03 dB	-17.00 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.98408 GHz	-48.89 dBm	-36.25 dB	-17.91 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.02592 GHz	-50.58 dBm	-37.93 dB	-19.60 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.02608 GHz	-51.63 dBm	-38.99 dB	-18.95 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.06492 GHz	-69.32 dBm	-56.68 dB	-16.73 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.06780 GHz	-69.17 dBm	-56.52 dB	-16.52 dB

Date: 10.MAY.2022 07:09:50

Plot on Channel 7085MHz

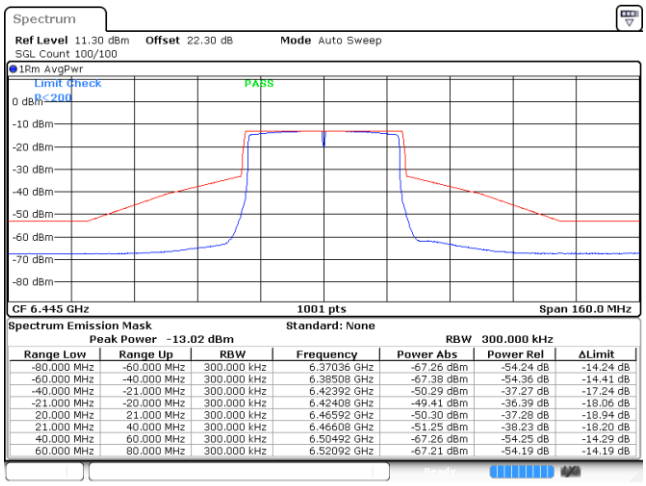


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	7.00812 GHz	-68.21 dBm	-55.82 dB	-15.82 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	7.02508 GHz	-68.51 dBm	-56.12 dB	-16.17 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	7.06392 GHz	-50.36 dBm	-37.97 dB	-17.94 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	7.06408 GHz	-49.23 dBm	-36.84 dB	-18.50 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.10592 GHz	-50.01 dBm	-37.62 dB	-19.29 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.10608 GHz	-50.86 dBm	-38.47 dB	-18.44 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.14492 GHz	-69.13 dBm	-56.74 dB	-16.79 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.14508 GHz	-68.95 dBm	-56.56 dB	-16.56 dB

Date: 10.MAY.2022 07:17:50

MIMO <Ant. 9+8(8)>

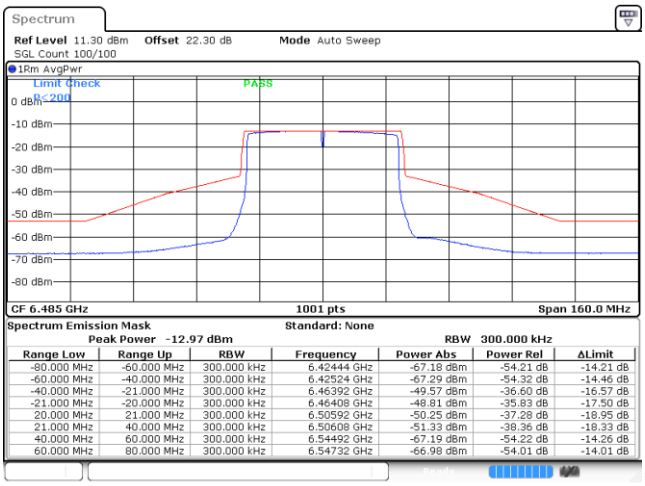
Plot on Channel 6445MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.37035 GHz	-67.26 dBm	-54.24 dB	-14.24 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.38508 GHz	-67.38 dBm	-54.36 dB	-14.41 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.42392 GHz	-50.29 dBm	-37.27 dB	-17.24 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.42408 GHz	-49.41 dBm	-36.39 dB	-18.06 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.46592 GHz	-50.30 dBm	-37.28 dB	-18.94 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.46608 GHz	-51.25 dBm	-38.23 dB	-18.20 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.50492 GHz	-67.26 dBm	-54.25 dB	-14.29 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.52092 GHz	-67.21 dBm	-54.19 dB	-14.19 dB

Date: 10.MAY.2022 06:06:56

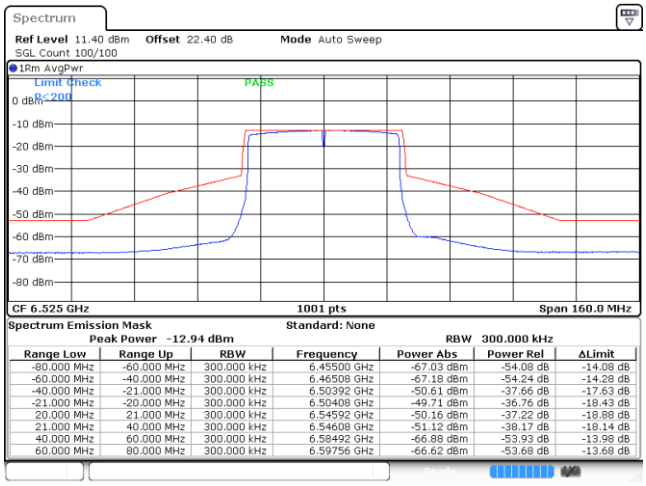
Plot on Channel 6485MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.42444 GHz	-67.18 dBm	-54.21 dB	-14.21 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.42524 GHz	-67.29 dBm	-54.32 dB	-14.46 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.46392 GHz	-49.57 dBm	-36.60 dB	-16.57 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.46408 GHz	-48.81 dBm	-35.83 dB	-17.50 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.50592 GHz	-50.25 dBm	-37.28 dB	-18.95 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.50608 GHz	-51.33 dBm	-38.36 dB	-18.33 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.54492 GHz	-67.19 dBm	-54.22 dB	-14.26 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.54732 GHz	-66.98 dBm	-54.01 dB	-14.01 dB

Date: 10.MAY.2022 06:30:15

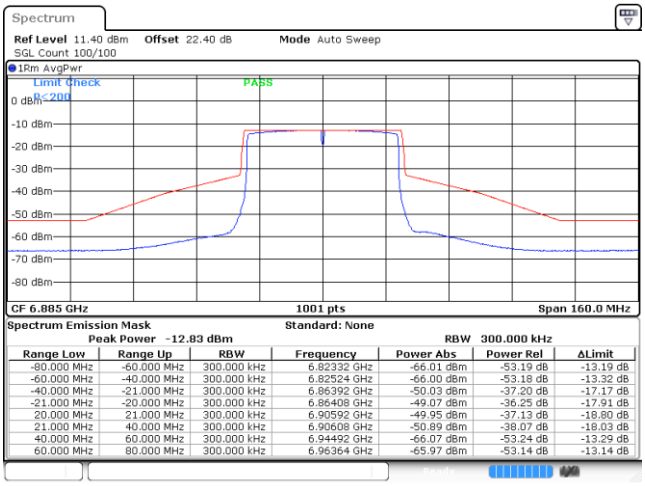
Plot on Channel 6525MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.45500 GHz	-67.03 dBm	-54.08 dB	-14.08 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.46508 GHz	-67.18 dBm	-54.24 dB	-14.28 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.50392 GHz	-50.61 dBm	-37.66 dB	-17.63 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.50408 GHz	-49.71 dBm	-36.76 dB	-18.43 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.54592 GHz	-50.16 dBm	-37.22 dB	-18.88 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.54608 GHz	-51.12 dBm	-38.17 dB	-18.14 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.58492 GHz	-66.88 dBm	-53.93 dB	-13.98 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.59756 GHz	-66.62 dBm	-53.68 dB	-13.68 dB

Date: 10.MAY.2022 06:38:27

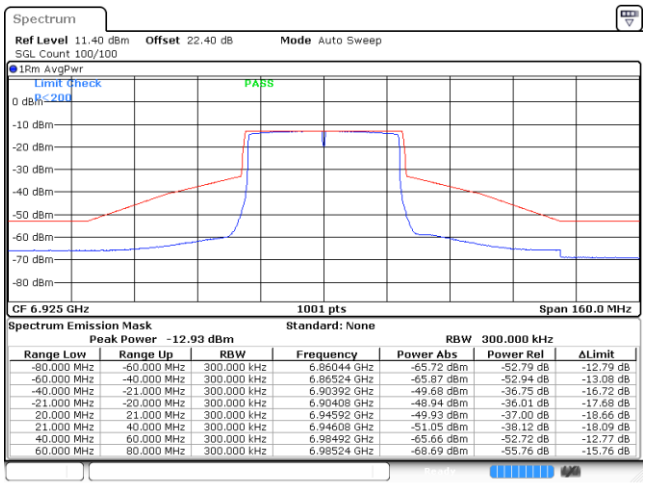
Plot on Channel 6885MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.82332 GHz	-66.01 dBm	-53.19 dB	-13.19 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.82524 GHz	-66.00 dBm	-53.18 dB	-13.32 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.86392 GHz	-50.03 dBm	-37.20 dB	-17.17 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.86408 GHz	-49.07 dBm	-36.25 dB	-17.91 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.90592 GHz	-49.95 dBm	-37.13 dB	-18.80 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.90608 GHz	-50.89 dBm	-38.07 dB	-18.03 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.94492 GHz	-66.07 dBm	-53.24 dB	-13.29 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.96364 GHz	-65.97 dBm	-53.14 dB	-13.14 dB

Date: 10.MAY.2022 07:02:23

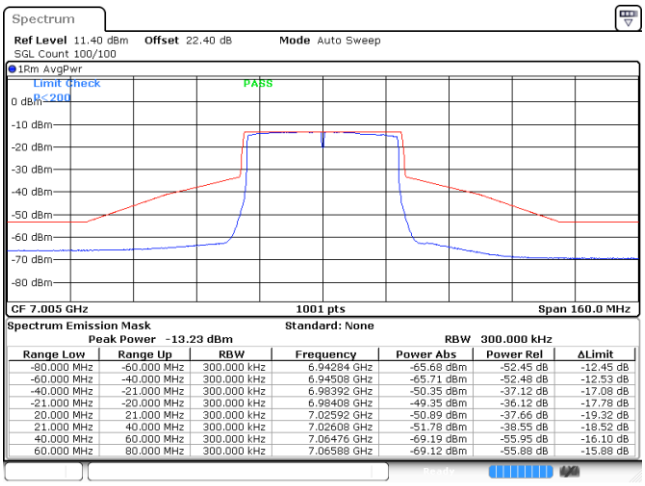
Plot on Channel 6925MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.86044 GHz	-65.72 dBm	-52.79 dB	-12.79 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.86524 GHz	-65.87 dBm	-52.94 dB	-13.08 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.90392 GHz	-49.68 dBm	-36.75 dB	-16.72 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.90408 GHz	-48.94 dBm	-36.01 dB	-17.68 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.94592 GHz	-49.93 dBm	-37.00 dB	-18.66 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.94608 GHz	-51.05 dBm	-38.12 dB	-18.09 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.98492 GHz	-65.66 dBm	-52.72 dB	-12.77 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.98524 GHz	-68.69 dBm	-55.76 dB	-15.76 dB

Date: 10.MAY.2022 07:06:58

Plot on Channel 7005MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.94284 GHz	-65.68 dBm	-52.45 dB	-12.45 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.94508 GHz	-65.71 dBm	-52.48 dB	-12.53 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.98392 GHz	-50.35 dBm	-37.12 dB	-17.08 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.98408 GHz	-49.35 dBm	-36.12 dB	-17.78 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.02592 GHz	-50.89 dBm	-37.66 dB	-19.32 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.02608 GHz	-51.78 dBm	-38.55 dB	-18.52 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.06476 GHz	-69.19 dBm	-55.95 dB	-16.10 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.06588 GHz	-69.12 dBm	-55.88 dB	-15.88 dB

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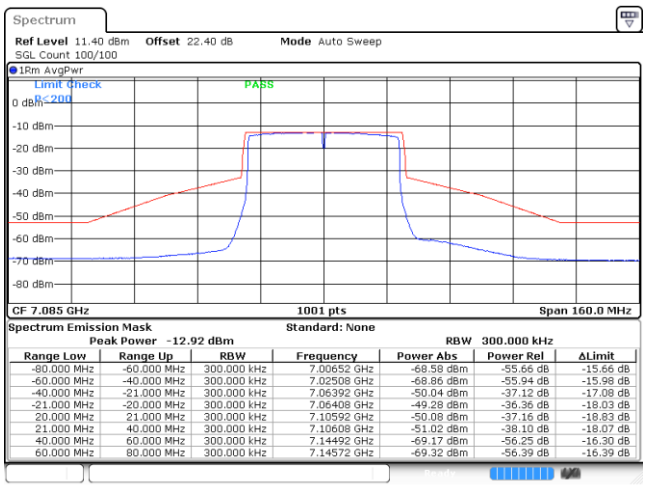
Plot on Channel 7085MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	7.00652 GHz	-68.58 dBm	-55.66 dB	-15.66 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	7.02508 GHz	-68.86 dBm	-55.94 dB	-15.98 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	7.06392 GHz	-50.04 dBm	-37.12 dB	-17.08 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	7.06408 GHz	-49.28 dBm	-36.36 dB	-18.03 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.10592 GHz	-50.08 dBm	-37.16 dB	-18.83 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.10608 GHz	-51.02 dBm	-38.10 dB	-18.07 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.14492 GHz	-69.17 dBm	-56.25 dB	-16.30 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.14572 GHz	-69.32 dBm	-56.39 dB	-16.39 dB

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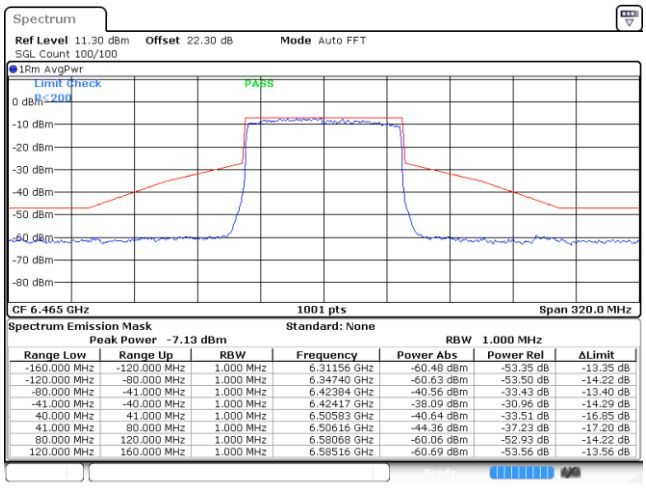
EUT Mode :	802.11ax HE80

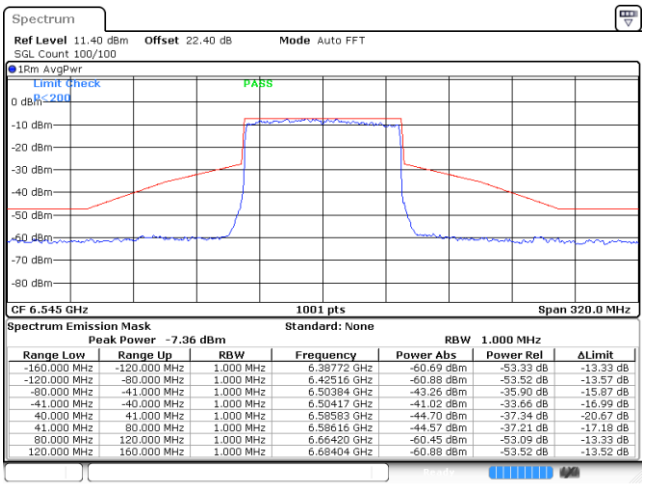
MIMO <Ant. 9+8(9)>

Plot on Channel 6465MHz



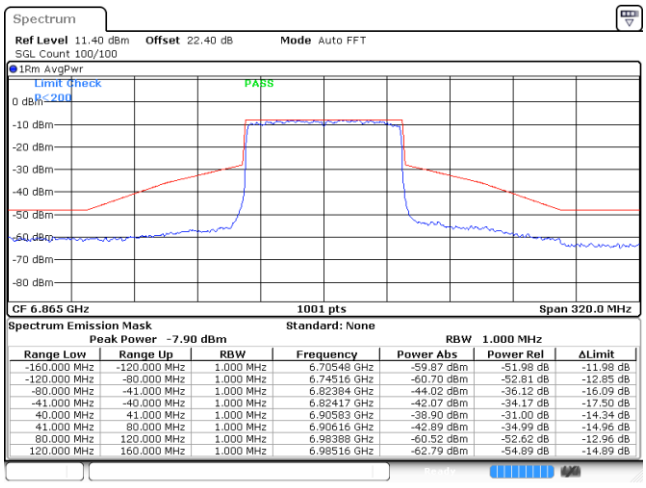
Date: 10.MAY.2022 07:40:35

Plot on Channel 6545MHz



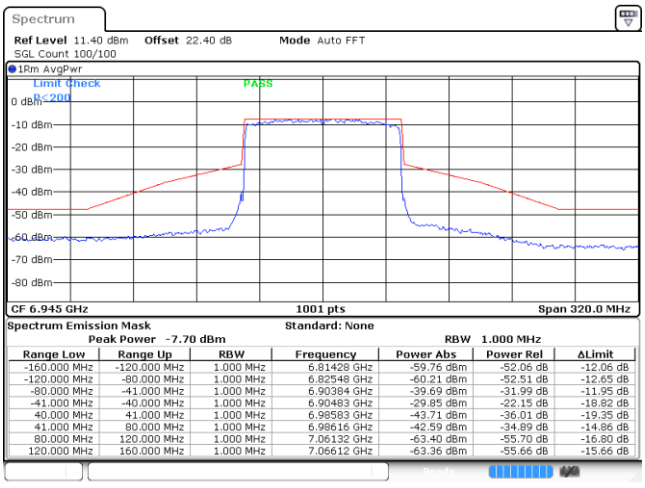
Date: 10.MAY.2022 07:44:42

Plot on Channel 6865MHz



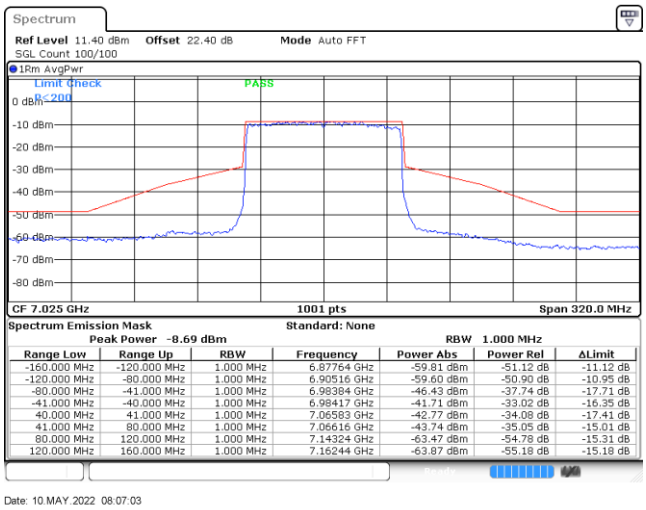
Date: 10.MAY.2022 07:58:48

Plot on Channel 6945MHz



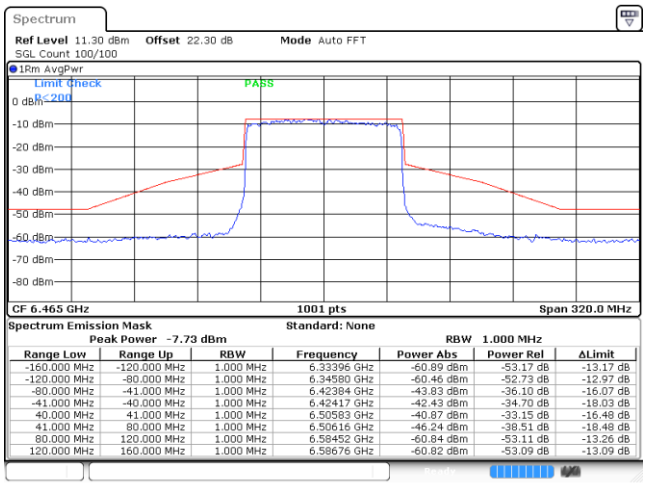
Date: 10.MAY.2022 08:02:16

Plot on Channel 7025MHz



MIMO <Ant. 9+8(8)>

Plot on Channel 6465MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.33396 GHz	-60.89 dBm	-53.17 dB	-13.17 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.34580 GHz	-60.46 dBm	-52.73 dB	-12.97 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.42384 GHz	-43.83 dBm	-36.10 dB	-16.07 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.42417 GHz	-42.43 dBm	-34.70 dB	-18.03 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.50583 GHz	-40.87 dBm	-33.15 dB	-16.48 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.50616 GHz	-46.24 dBm	-38.51 dB	-18.48 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.58452 GHz	-60.84 dBm	-53.11 dB	-13.26 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.58676 GHz	-60.82 dBm	-53.09 dB	-13.09 dB

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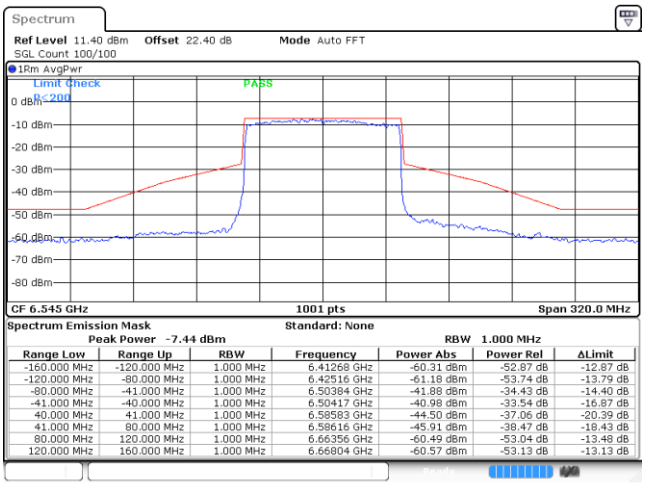
Plot on Channel 6545MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.41268 GHz	-60.31 dBm	-52.87 dB	-12.87 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.42516 GHz	-61.18 dBm	-53.74 dB	-13.79 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.50384 GHz	-41.88 dBm	-34.43 dB	-14.40 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.50417 GHz	-40.98 dBm	-33.54 dB	-16.87 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.58583 GHz	-44.50 dBm	-37.06 dB	-20.39 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.58616 GHz	-45.91 dBm	-38.47 dB	-18.43 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.66356 GHz	-60.49 dBm	-53.04 dB	-13.48 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.66804 GHz	-60.57 dBm	-53.13 dB	-13.13 dB

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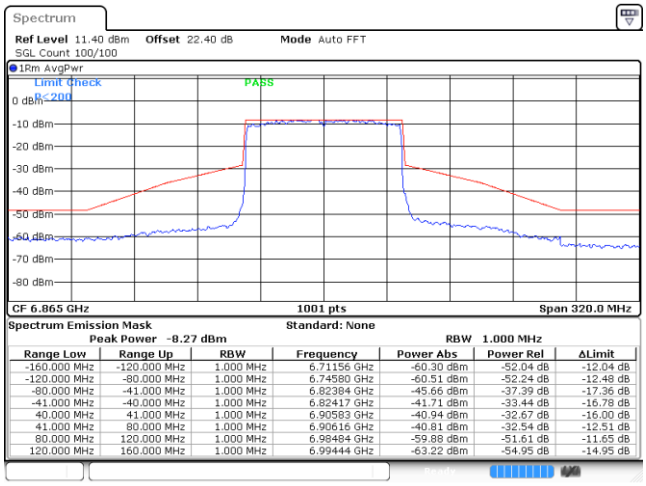
Plot on Channel 6865MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.71156 GHz	-60.30 dBm	-52.04 dB	-12.04 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.74580 GHz	-60.51 dBm	-52.24 dB	-12.48 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.82384 GHz	-45.66 dBm	-37.39 dB	-17.36 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.82417 GHz	-41.71 dBm	-33.44 dB	-16.78 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.90583 GHz	-40.94 dBm	-32.67 dB	-16.00 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.90616 GHz	-40.81 dBm	-32.54 dB	-12.51 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.98484 GHz	-59.88 dBm	-51.61 dB	-11.65 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.99444 GHz	-63.22 dBm	-54.95 dB	-14.95 dB

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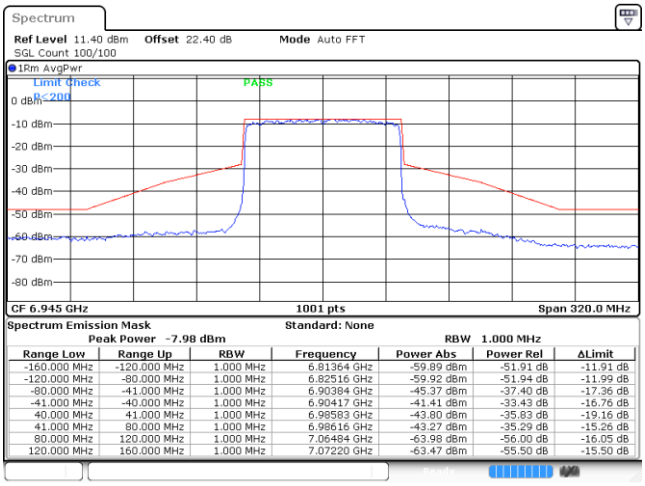
Plot on Channel 6945MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.81364 GHz	-59.89 dBm	-51.91 dB	-11.91 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.82516 GHz	-59.92 dBm	-51.94 dB	-11.99 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.90384 GHz	-45.37 dBm	-37.40 dB	-17.36 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.90417 GHz	-41.41 dBm	-33.43 dB	-16.76 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.98583 GHz	-43.80 dBm	-35.83 dB	-19.16 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.98616 GHz	-43.27 dBm	-35.29 dB	-15.26 dB
80.000 MHz	120.000 MHz	1.000 MHz	7.06484 GHz	-63.98 dBm	-56.00 dB	-16.05 dB
120.000 MHz	160.000 MHz	1.000 MHz	7.07220 GHz	-63.47 dBm	-55.50 dB	-15.50 dB

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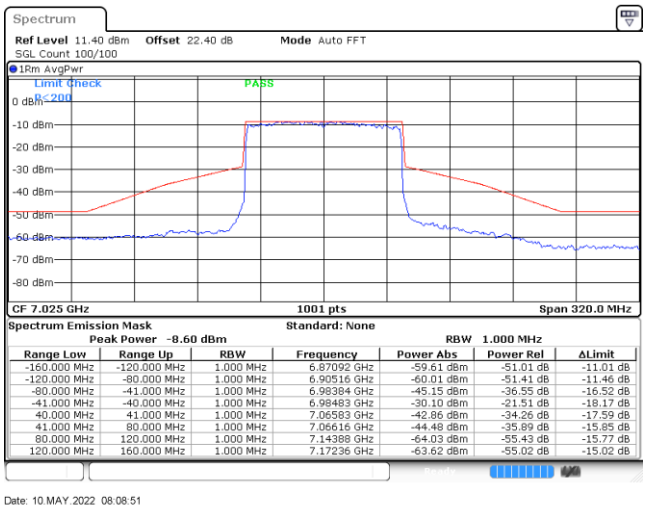
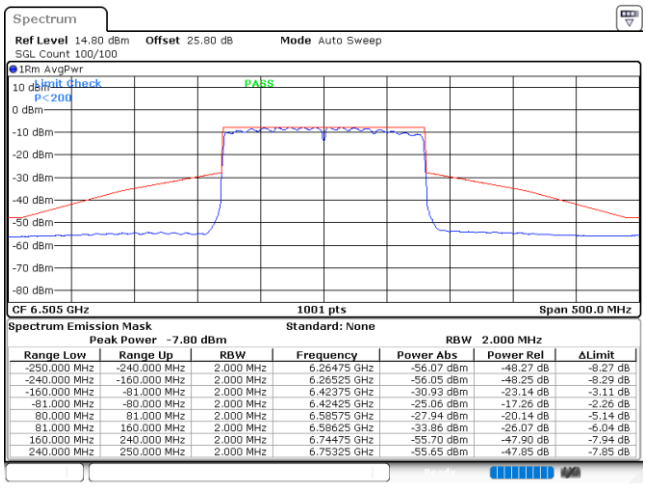
Plot on Channel 7025MHz



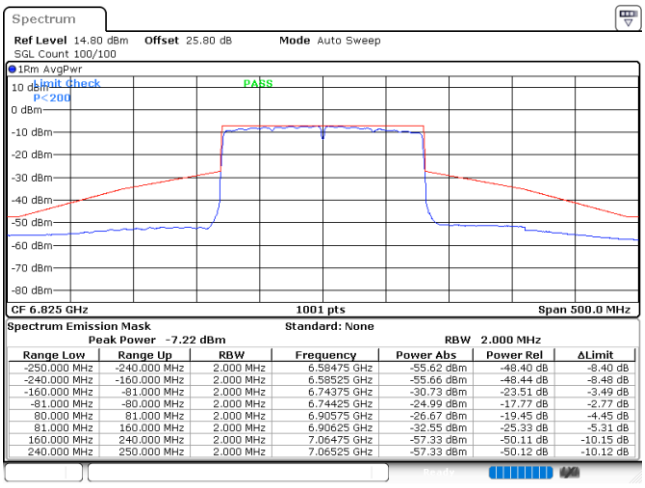
EUT Mode :	802.11ax HE160

MIMO <Ant. 9+8(9)>

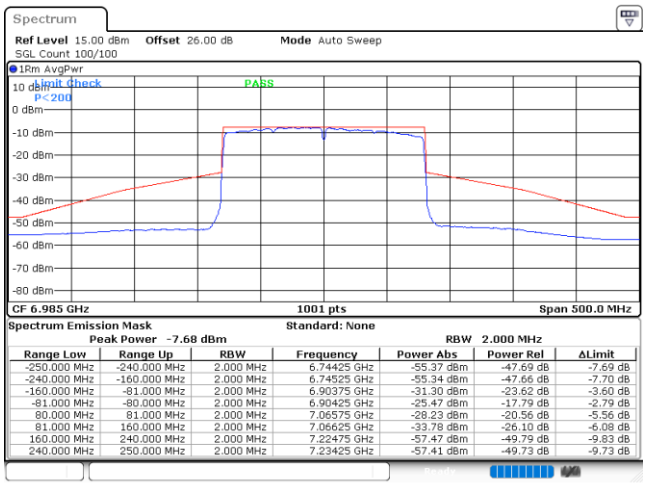
Plot on Channel 6505MHz



Plot on Channel 6825MHz

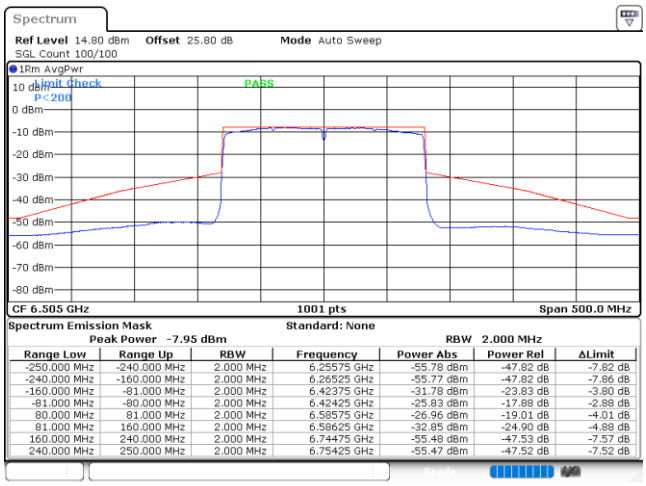


Plot on Channel 6985MHz



MIMO <Ant. 9+8(8)>

Plot on Channel 6505MHz



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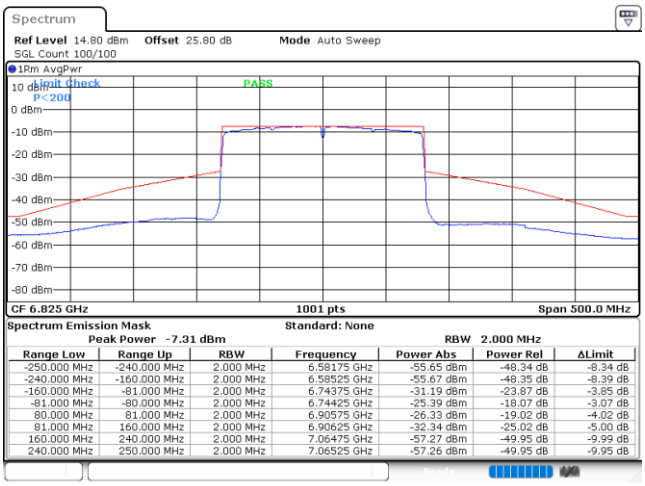
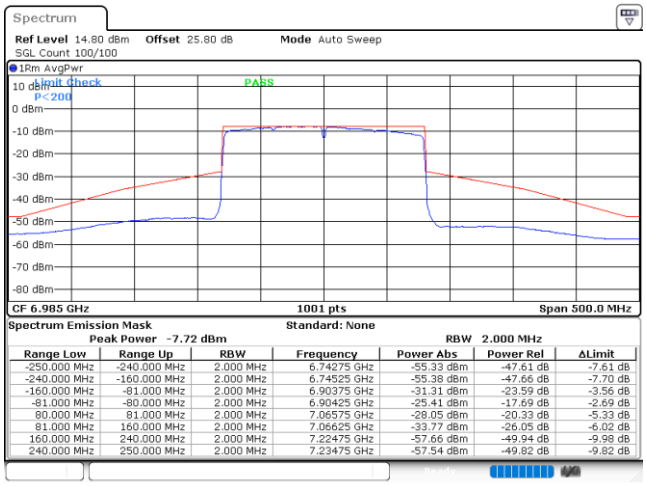
Plot on Channel 6825MHz



Date: 14.JAN.2022 20:50:55

Plot on Channel 6985MHz



Date: 14.JAN.2022 20:54:52