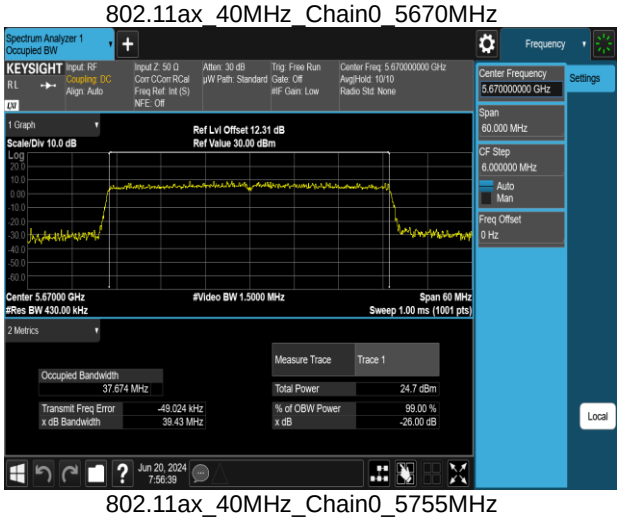
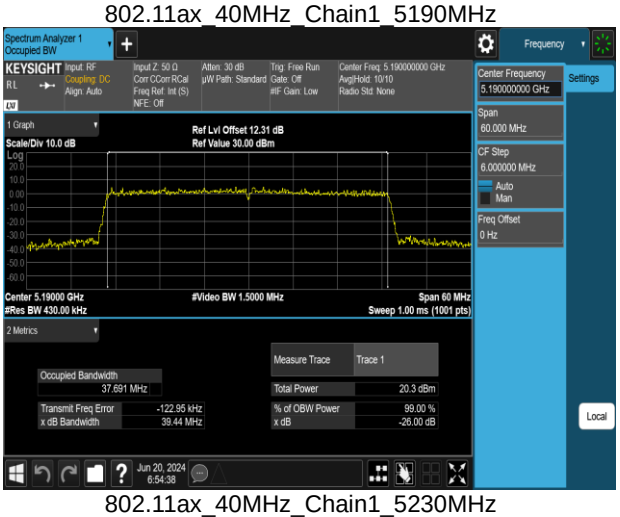
Report No.: TMWK2309003309KR

802.11ax_40MHz_Chain0_5670MHz

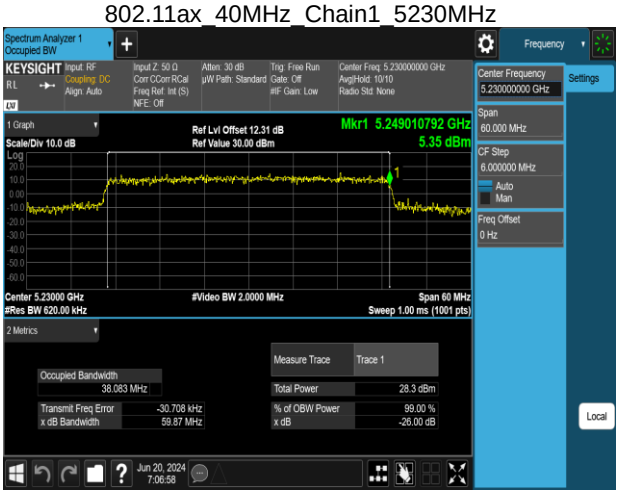


802.11ax_40MHz_Chain1_5190MHz



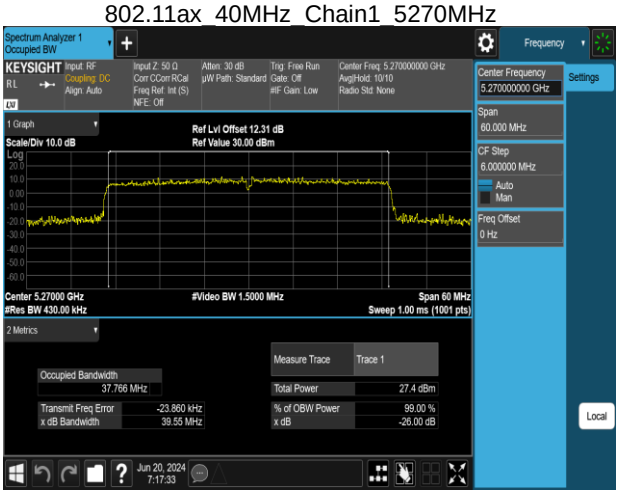
802.11ax_40MHz_Chain0_5755MHz

802.11ax_40MHz_Chain1_5230MHz



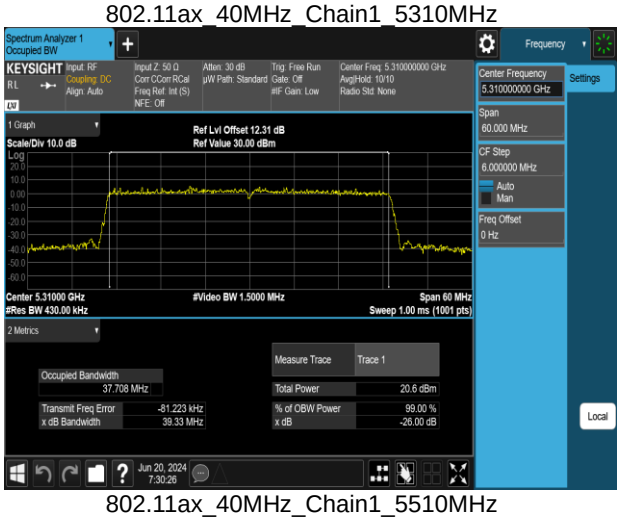
802.11ax_40MHz_Chain0_5795MHz

802.11ax_40MHz_Chain1_5270MHz

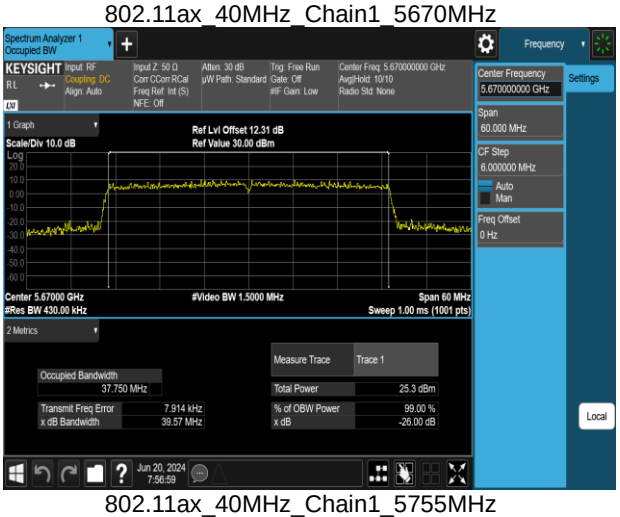


Report No.: TMWK2309003309KR

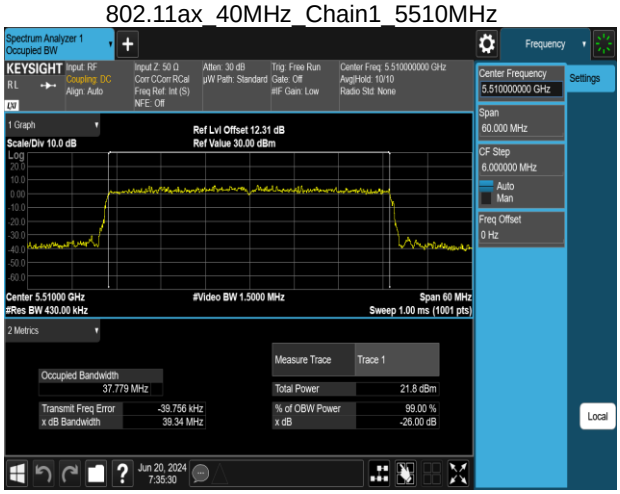
802.11ax_40MHz_Chain1_5310MHz



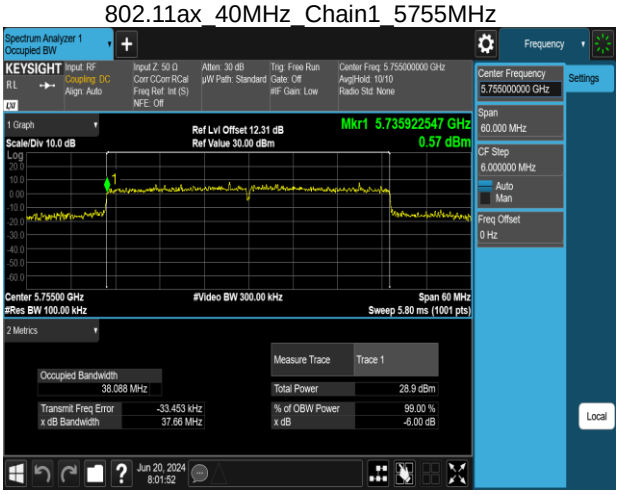
802.11ax_40MHz_Chain1_5670MHz



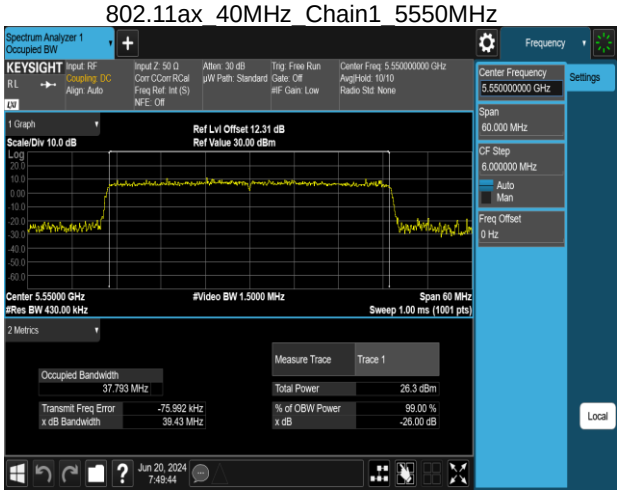
802.11ax_40MHz_Chain1_5510MHz



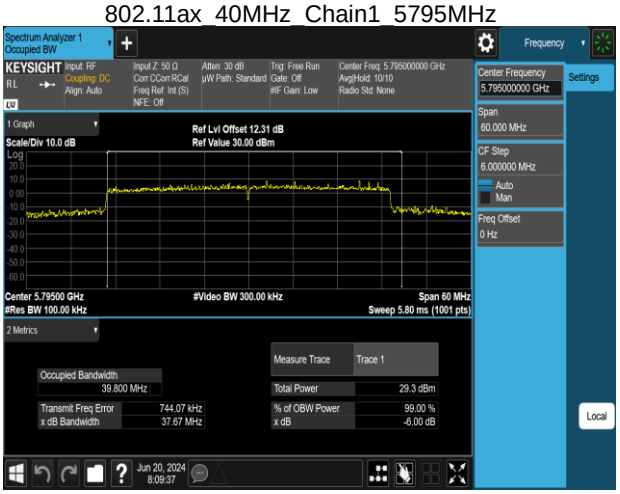
802.11ax_40MHz_Chain1_5755MHz



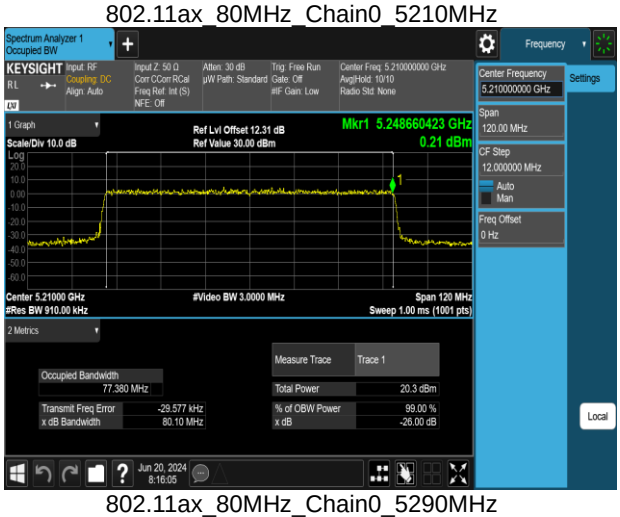
802.11ax_40MHz_Chain1_5550MHz



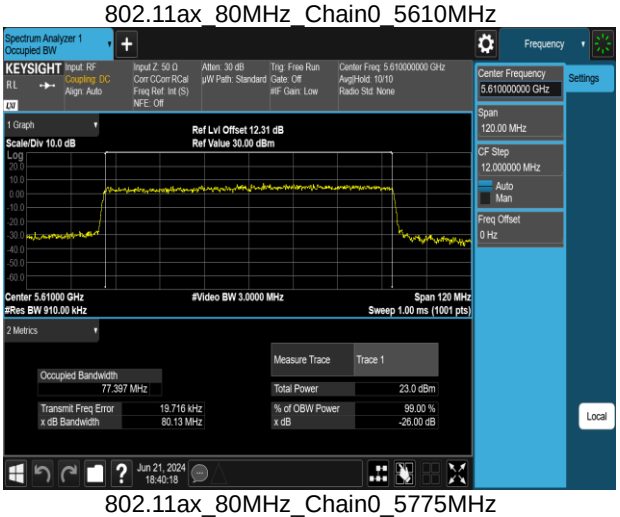
802.11ax_40MHz_Chain1_5795MHz



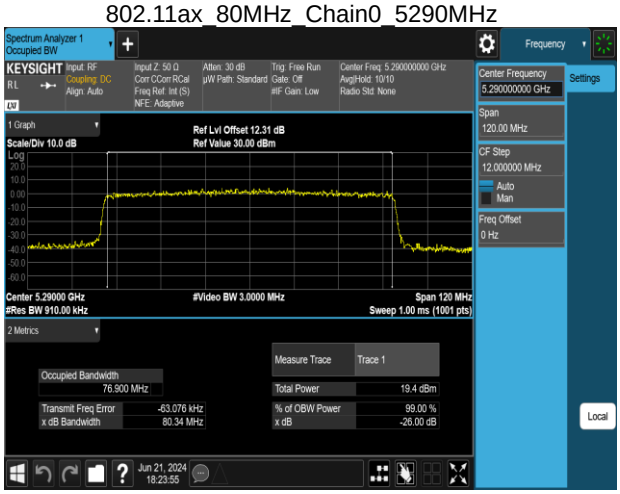
802.11ax_80MHz_Chain0_5210MHz



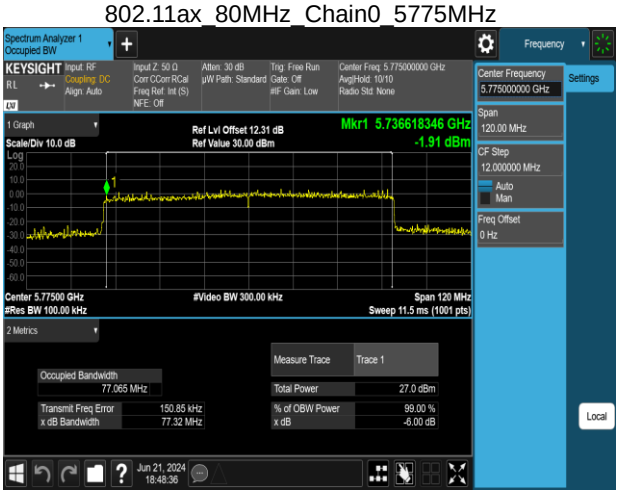
802.11ax_80MHz_Chain0_5610MHz



802.11ax_80MHz_Chain0_5290MHz

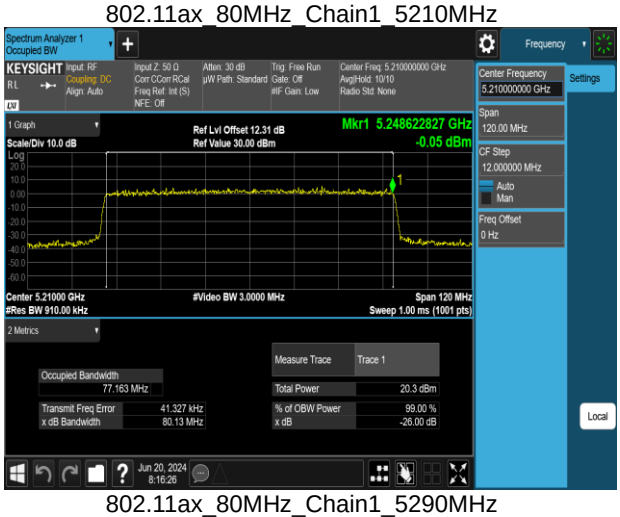


802.11ax_80MHz_Chain0_5775MHz

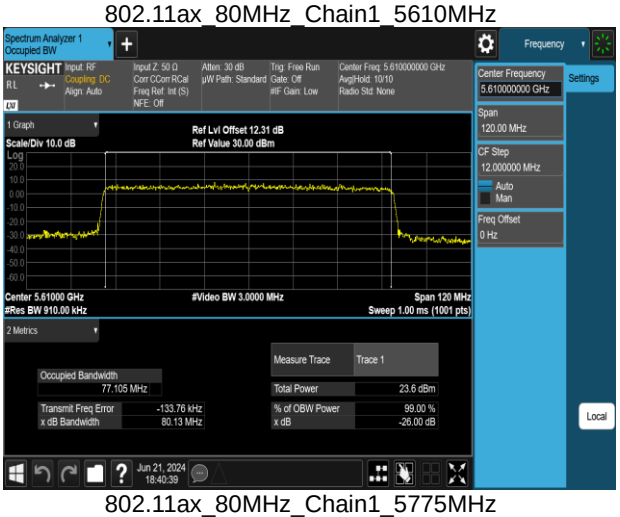


802.11ax_80MHz_Chain0_5530MHz

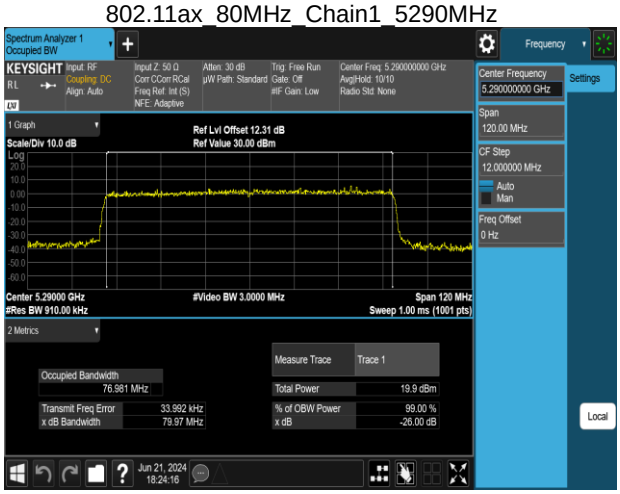
802.11ax_80MHz_Chain1_5210MHz



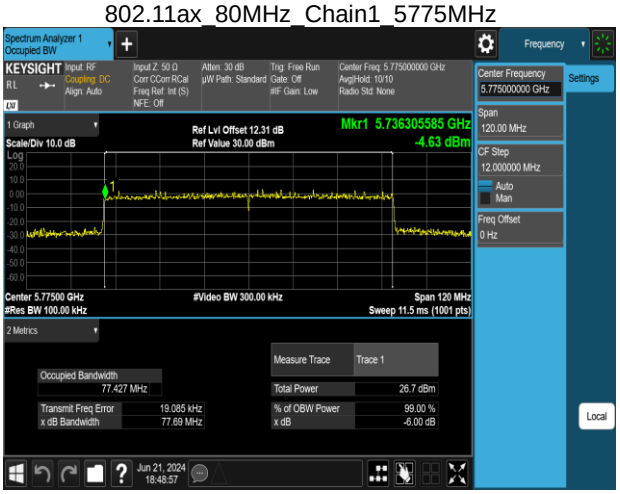
802.11ax_80MHz_Chain1_5610MHz



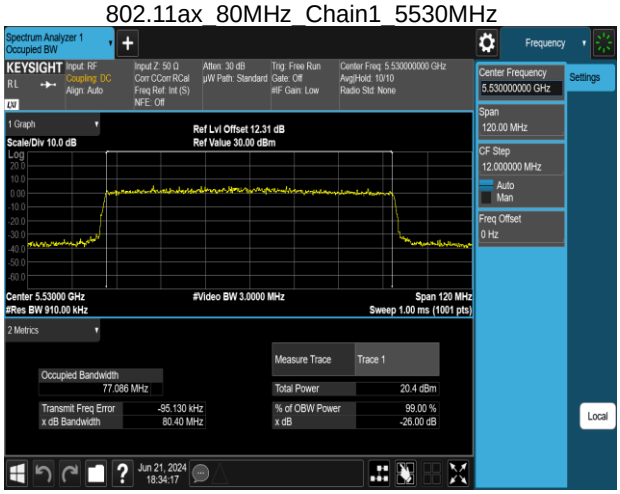
802.11ax_80MHz_Chain1_5290MHz



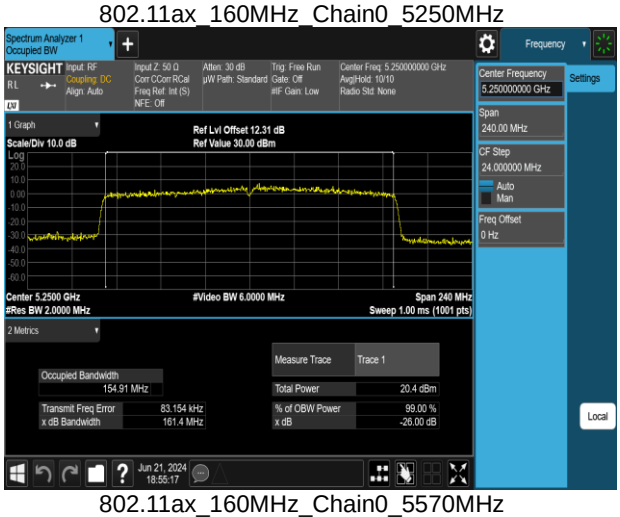
802.11ax_80MHz_Chain1_5775MHz



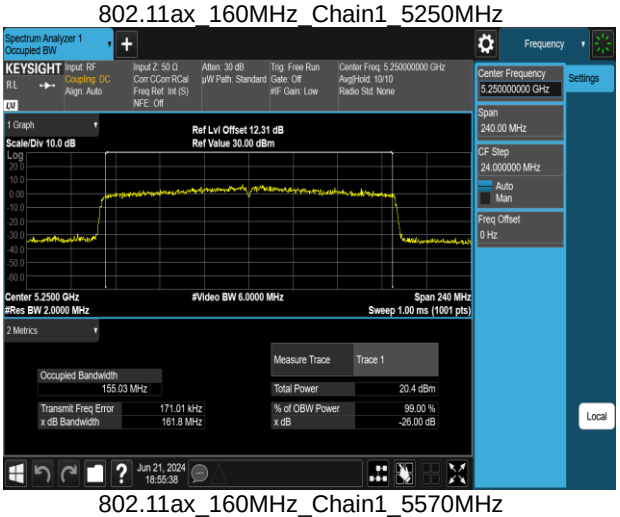
802.11ax_80MHz_Chain1_5530MHz



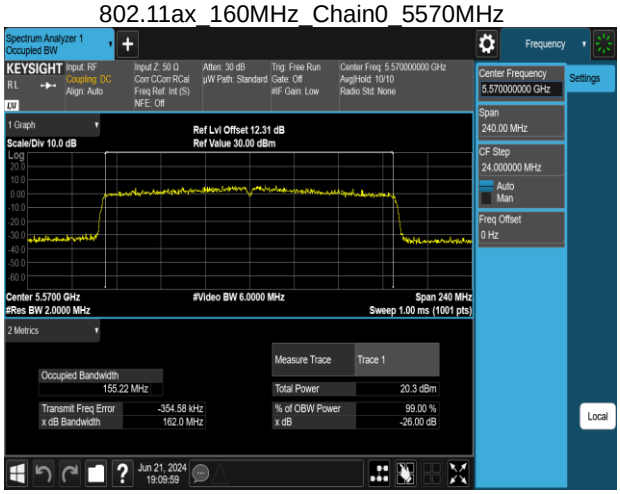
802.11ax_160MHz_Chain0_5250MHz



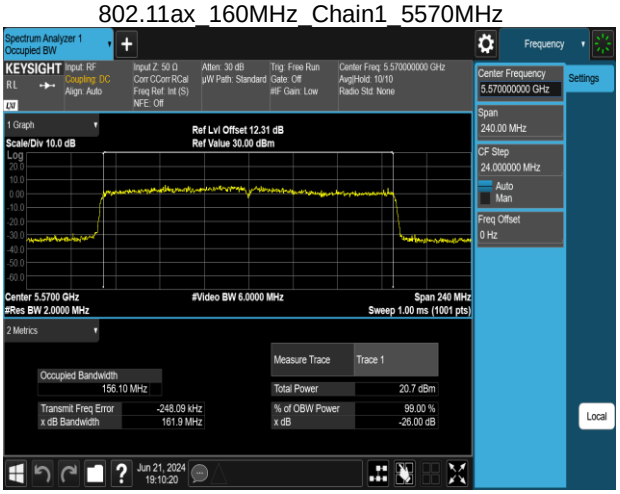
802.11ax_160MHz_Chain1_5250MHz



802.11ax_160MHz_Chain0_5570MHz



802.11ax_160MHz_Chain1_5570MHz



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

UNII-1 :

The maximum conducted output power over the frequency band of operation shall not For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi：30dBm ☐ Antenna with DG greater than 6 dBi： [Limit = 24 – (DG – 6)]
UNII-2a/2c Limit	☒ Antenna not exceed 6 dBi：24dBm ☐ Antenna with DG greater than 6 dBi： [Limit = 24 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi：30dBm ☐ Antenna with DG greater than 6 dBi： [Limit = 30 – (DG – 6)]

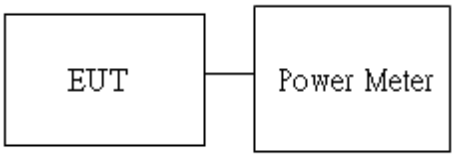
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz, 40MHz and 80MHz, E.2.b for BW 160MHz.

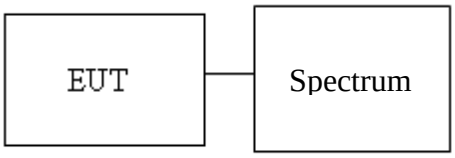
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.3.3 Test Setup

For BW 20MHz ,40MHz and 80MHz



For BW 160MHz



4.3.4 Test Result

Conducted output power：

Non-Beamformig

Temperature:	20.3 ~ 25.3℃	**Test date:**	May 21 ~ July 9, 2024
Humidity:	53 ~ 64% RH	**Tested by:**	Marco Chan

1. Chain 0

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	20.5	142.457	21.54	30	PASS
44	5220	6	22	210.709	23.24	30	PASS
48	5240	6	22	218.114	23.39	30	PASS
52	5260	6	19	105.605	20.24	23.98	PASS
60	5300	6	19.5	108.065	20.34	23.98	PASS
64	5320	6	19.5	108.814	20.37	23.98	PASS
100	5500	6	20	114.996	20.61	23.98	PASS
116	5580	6	19.5	114.468	20.59	23.98	PASS
140	5700	6	19.5	120.972	20.83	23.98	PASS
149	5745	6	24.5	407.084	**26.10**	30	PASS
157	5785	6	24.5	390.556	25.92	30	PASS
165	5825	6	24.5	332.417	25.22	30	PASS

2. Chain 1

802.11a_Ch1

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	19.5	110.074	20.42	30	PASS
44	5220	6	22	208.297	23.19	30	PASS
48	5240	6	22	225.260	**23.53**	30	PASS
52	5260	6	18.5	113.680	20.56	23.98	PASS
60	5300	6	19	116.060	**20.65**	23.98	PASS
64	5320	6	18.5	104.396	20.19	23.98	PASS
100	5500	6	19.5	120.416	20.81	23.98	PASS
116	5580	6	19.5	122.655	**20.89**	23.98	PASS
140	5700	6	19.5	116.328	20.66	23.98	PASS
149	5745	6	23.5	320.393	25.06	30	PASS
157	5785	6	23.5	308.094	24.89	30	PASS
165	5825	6	23	243.604	23.87	30	PASS

3. MIMO

802.11n_HT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	20	19.83	19.52	185.795	22.69	30	PASS
44	5220	MCS0	22	22.12	22.09	324.907	25.12	30	PASS
48	5240	MCS0	22	22.29	22.43	344.598	**25.37**	30	PASS
52	5260	MCS0	17	17.09	17.71	110.246	20.42	23.98	PASS
60	5300	MCS0	17.5	17.15	17.94	114.170	20.58	23.98	PASS
64	5320	MCS0	17.5	17.23	17.97	115.566	**20.63**	23.98	PASS
100	5500	MCS0	17.5	17.01	17.54	107.045	20.30	23.98	PASS
116	5580	MCS0	18	18.05	17.96	126.410	21.02	23.98	PASS
140	5700	MCS0	18	18.22	18.07	130.563	**21.16**	23.98	PASS
149	5745	MCS0	24	23.64	24.30	500.621	**27.00**	30	PASS
157	5785	MCS0	24	23.49	24.05	477.704	26.79	30	PASS
165	5825	MCS0	24	23.44	23.76	458.724	26.62	30	PASS

802.11n_HT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	17.5	17.75	17.58	116.914	20.68	30	PASS
46	5230	MCS0	22	22.82	22.81	382.633	**25.83**	30	PASS
54	5270	MCS0	19.5	19.72	20.31	201.272	**23.04**	23.98	PASS
62	5310	MCS0	18	18.03	18.77	138.949	21.43	23.98	PASS
102	5510	MCS0	19	18.89	19.48	166.258	22.21	23.98	PASS
110	5550	MCS0	20	20.24	20.68	222.761	**23.48**	23.98	PASS
134	5670	MCS0	20	19.90	20.01	198.069	22.97	23.98	PASS
151	5755	MCS0	23	23.24	23.85	453.787	**26.57**	30	PASS
159	5795	MCS0	23	23.26	23.69	445.978	26.49	30	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ac_VHT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	20	19.70	19.41	180.660	22.57	30	PASS
44	5220	MCS0	22	22.02	22.00	317.777	25.02	30	PASS
48	5240	MCS0	22	22.23	22.29	336.613	**25.27**	30	PASS
52	5260	MCS0	17	17.01	17.60	107.801	20.33	23.98	PASS
60	5300	MCS0	17.5	17.03	17.92	112.434	**20.51**	23.98	PASS
64	5320	MCS0	17.5	17.09	17.86	112.286	20.50	23.98	PASS
100	5500	MCS0	17.5	16.90	17.42	104.207	20.18	23.98	PASS
116	5580	MCS0	18	17.88	17.83	122.075	20.87	23.98	PASS
140	5700	MCS0	18	18.13	17.94	127.270	**21.05**	23.98	PASS
149	5745	MCS0	24	23.54	24.19	488.468	**26.89**	30	PASS
157	5785	MCS0	24	23.43	23.92	466.994	26.69	30	PASS
165	5825	MCS0	24	23.36	23.65	448.604	26.52	30	PASS

802.11ac_VHT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	17.5	17.60	17.51	113.803	20.56	30	PASS
46	5230	MCS0	22	22.72	22.70	372.932	**25.72**	30	PASS
54	5270	MCS0	19.5	19.60	20.18	195.252	**22.91**	23.98	PASS
62	5310	MCS0	18	17.91	18.68	135.467	21.32	23.98	PASS
102	5510	MCS0	19	18.77	19.38	161.882	22.09	23.98	PASS
110	5550	MCS0	20	20.13	20.60	217.653	**23.38**	23.98	PASS
134	5670	MCS0	20	19.78	19.92	193.057	22.86	23.98	PASS
151	5755	MCS0	23	23.13	21.70	353.174	25.48	30	PASS
159	5795	MCS0	23	23.12	23.57	432.227	**26.36**	30	PASS

802.11ac_VHT80_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	15	15.34	15.16	66.931	**18.26**	30	PASS
58	5290	MCS0	15	15.12	15.88	71.153	**18.52**	23.98	PASS
106	5530	MCS0	16.5	16.54	17.19	97.330	19.88	23.98	PASS
122	5610	MCS0	19	18.78	18.91	153.137	**21.85**	23.98	PASS
155	5775	MCS0	21	21.57	22.07	304.264	**24.83**	30	PASS

802.11ac_VHT160_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
50	5250	MCS0	16	15.14	15.14	65.320	**18.15**	23.98	PASS
114	5570	MCS0	16.5	14.76	15.40	64.599	**18.10**	23.98	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ax_HE20_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	20	20.21	19.92	203.154	23.08	30	PASS
44	5220	MCS0	full	22	22.48	22.41	351.235	25.46	30	PASS
48	5240	MCS0	full	22	22.71	22.79	376.793	**25.76**	30	PASS
52	5260	MCS0	full	17	17.41	18.42	124.599	20.96	23.98	PASS
60	5300	MCS0	full	17.5	17.49	18.27	123.263	20.91	23.98	PASS
64	5320	MCS0	full	18	18.06	18.79	139.674	**21.45**	23.98	PASS
100	5500	MCS0	full	18	17.78	18.45	129.980	21.14	23.98	PASS
116	5580	MCS0	full	18	18.22	18.50	137.186	21.37	23.98	PASS
140	5700	MCS0	full	18	18.57	18.34	140.196	**21.47**	23.98	PASS
149	5745	MCS0	full	24	23.94	24.40	523.230	**27.19**	30	PASS
157	5785	MCS0	full	24	23.82	24.32	511.450	27.09	30	PASS
165	5825	MCS0	full	24	23.69	23.99	484.555	26.85	30	PASS

802.11ax_HE40_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	17.5	17.96	17.81	122.983	20.90	30	PASS
46	5230	MCS0	full	22	22.91	22.95	392.902	**25.94**	30	PASS
54	5270	MCS0	full	19.5	20.03	20.64	216.695	**23.36**	23.98	PASS
62	5310	MCS0	full	17	17.28	17.98	116.329	20.66	23.98	PASS
102	5510	MCS0	full	18.5	18.60	19.21	155.901	21.93	23.98	PASS
110	5550	MCS0	full	19.5	19.96	20.48	155.901	**23.24**	23.98	PASS
134	5670	MCS0	full	20	20.11	20.17	206.676	23.15	23.98	PASS
151	5755	MCS0	full	23	23.37	23.98	467.573	26.70	30	PASS
159	5795	MCS0	full	23.5	23.87	24.40	519.502	**27.16**	30	PASS

802.11ax_HE80_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	14.5	15.05	14.91	62.933	**17.99**	30	PASS
58	5290	MCS0	full	14.5	14.85	15.52	66.162	**18.21**	23.98	PASS
106	5530	MCS0	full	16.5	16.76	17.40	102.329	20.10	23.98	PASS
122	5610	MCS0	full	18.5	18.57	18.63	144.821	**21.61**	23.98	PASS
155	5775	MCS0	full	21	21.83	22.33	323.251	**25.10**	30	PASS

802.11ax_HE160_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
50	5250	MCS0	full	15	14.29	14.34	53.974	**17.32**	23.98	PASS
114	5570	MCS0	full	16	14.50	15.10	60.494	**17.82**	23.98	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

TPC

Temperature: 20.3 ~ 25.3℃ **Test date:** May 21 ~ July 9, 2024

Humidity: 53 ~ 64% RH **Tested by:** Marco Chan

802.11a_Ch0

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
52	5260	20.24	14.24	1.88	22.12	20.350
60	5300	20.34	14.34	1.88	22.22	20.290
64	5320	20.37	14.37	1.88	**22.25**	20.780
100	5500	**20.61**	14.61	1.98	**22.59**	20.380
116	5580	20.59	14.59	1.98	22.57	19.690
140	5700	**20.83**	14.83	1.98	**22.81**	19.160

802.11a_Ch1

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
52	5260	20.56	14.56	1.73	22.29	18.230
60	5300	20.65	14.65	1.73	**22.38**	18.010
64	5320	20.19	14.19	1.73	21.92	17.660
100	5500	20.81	14.81	2.10	22.91	18.440
116	5580	**20.89**	14.89	2.10	**22.99**	19.320
140	5700	**20.66**	14.66	2.10	**22.76**	18.590

802.11n_HT20_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
52	5260	20.42	14.42	4.82	25.24	21.030
60	5300	20.58	14.58	4.82	25.40	21.700
64	5320	20.63	14.63	4.82	**25.45**	21.780
100	5500	20.30	14.30	5.05	25.35	21.790
116	5580	**21.02**	15.02	5.05	**26.07**	21.200
140	5700	**21.16**	15.16	5.05	**26.21**	20.500

802.11n_HT40_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
54	5270	23.04	17.04	4.82	**27.86**	23.900
62	5310	21.43	15.43	4.82	26.25	23.840
102	5510	22.21	16.21	5.05	27.26	23.910
110	5550	**23.48**	17.48	5.05	**28.53**	23.930
134	5670	**22.97**	16.97	5.05	**28.02**	23.810

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ac_VHT20_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
52	5260	20.33	14.33	4.82	25.15	20.960
60	5300	20.51	14.51	4.82	**25.33**	21.650
64	5320	20.50	14.50	4.82	25.32	21.740
100	5500	20.18	14.18	5.05	25.23	21.730
116	5580	**20.87**	14.87	5.05	**25.92**	21.150
140	5700	**21.05**	15.05	5.05	**26.10**	20.430

802.11ac_VHT40_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
54	5270	22.91	16.91	4.82	**27.73**	23.850
62	5310	21.32	15.32	4.82	26.14	23.790
102	5510	22.09	16.09	5.05	27.14	23.850
110	5550	**23.38**	17.38	5.05	**28.43**	23.850
134	5670	**22.86**	16.86	5.05	**27.91**	23.770

802.11ac_VHT80_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
58	5290	18.52	12.52	4.82	23.34	19.230
106	5530	19.88	12.80	5.05	**28.28**	22.280
122	5610	**21.85**	**15.85**	5.05	**29.92**	23.920

802.11ac_VHT160_2TX

CH	Frequency (MHz)	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
50	5250	**18.15**	12.15	**4.82**	22.97	19.200
114	5570	18.10	12.10	**5.05**	**26.39**	20.390

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ax_HE20_2TX

CH	Frequency (MHz)	RU config.	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
52	5260	full	20.96	14.96	4.82	25.78	21.560
60	5300	full	20.91	14.91	4.82	25.73	22.100
64	5320	full	21.45	15.45	4.82	26.27	22.110
100	5500	full	21.14	15.14	5.05	26.19	22.320
116	5580	full	21.37	15.37	5.05	26.42	21.910
140	5700	full	**21.47**	15.47	5.05	**26.52**	21.010

802.11ax_HE40_2TX

CH	Frequency (MHz)	RU config.	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
54	5270	full	**23.36**	17.36	4.82	28.18	23.970
62	5310	full	20.66	14.66	4.82	25.48	23.590
102	5510	full	21.93	15.93	5.05	26.98	23.640
110	5550	full	**23.24**	17.24	5.05	**28.29**	23.700
134	5670	full	23.15	17.15	5.05	28.20	23.940

802.11ax_HE80_2TX

CH	Frequency (MHz)	RU config.	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
58	5290	full	18.21	12.21	4.82	23.03	21.570
106	5530	full	20.10	12.02	5.05	**27.50**	21.500
122	5610	full	**21.61**	15.61	5.05	**26.66**	23.790

802.11ax_HE160_2TX

CH	Frequency (MHz)	RU config.	Max POWER (dBm)	TPC Power (dBm)	Antenna Gain (dBi)	Max EIRP (dBm)	TPC EIRP (dBm)
50	**5250**	full	**17.32**	11.32	4.82	**22.14**	20.120
114	5570	full	**17.82**	**11.82**	5.05	**26.65**	**20.650**

Note: Since DG<6dBi, there is no need to modify the limit value.

Beamformig

Temperature: 20.3 ~ 25.3℃ **Test date:** May 21 ~ July 10, 2024

Humidity: 53 ~ 64% RH **Tested by:** Marco Chan

802.11n_HT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	28	15.13	14.75	62.480	17.96	30	PASS
44	5220	MCS0	41	22.14	21.70	311.803	24.94	30	PASS
48	5240	MCS0	42	22.41	22.17	339.226	**25.30**	30	PASS
52	5260	MCS0	32	16.75	17.61	105.063	20.21	23.98	PASS
60	5300	MCS0	33	17.32	17.76	113.731	**20.56**	23.98	PASS
64	5320	MCS0	27	14.40	14.92	58.628	17.68	23.98	PASS
100	5500	MCS0	32	16.37	16.82	91.497	19.61	23.98	PASS
116	5580	MCS0	34	17.68	17.95	121.069	**20.83**	23.98	PASS
140	5700	MCS0	33	17.83	17.46	116.471	20.66	23.98	PASS
149	5745	MCS0	48	23.99	23.58	478.969	**26.80**	30	PASS
157	5785	MCS0	48	23.45	23.38	439.377	26.43	30	PASS
165	5825	MCS0	48	23.36	23.83	458.627	26.61	30	PASS

802.11n_HT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	28	14.95	14.41	58.850	17.70	30	PASS
46	5230	MCS0	43	22.50	22.55	357.617	**25.53**	30	PASS
54	5270	MCS0	38	19.92	20.12	200.921	**23.03**	23.98	PASS
62	5310	MCS0	29	14.74	15.45	64.843	18.12	23.98	PASS
102	5510	MCS0	28	13.79	13.90	48.467	16.85	23.98	PASS
110	5550	MCS0	40	20.28	20.53	219.579	**23.42**	23.98	PASS
134	5670	MCS0	33	16.45	16.98	94.020	19.73	23.98	PASS
151	5755	MCS0	42	21.31	21.29	269.719	**24.31**	30	PASS
159	5795	MCS0	42	21.19	21.13	261.169	24.17	30	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ac_VHT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	28	15.13	14.71	62.218	17.94	30	PASS
44	5220	MCS0	41	22.17	21.63	310.634	24.92	30	PASS
48	5240	MCS0	42	22.35	22.09	333.892	**25.24**	30	PASS
52	5260	MCS0	32	16.72	17.60	104.625	20.20	23.98	PASS
60	5300	MCS0	33	17.24	17.67	111.543	**20.47**	23.98	PASS
64	5320	MCS0	27	14.37	14.92	58.450	17.67	23.98	PASS
100	5500	MCS0	32	16.38	16.79	91.284	19.60	23.98	PASS
116	5580	MCS0	34	17.66	17.92	120.394	**20.81**	23.98	PASS
140	5700	MCS0	33	17.82	17.46	116.355	20.66	23.98	PASS
149	5745	MCS0	48	23.99	23.58	479.065	**26.80**	30	PASS
157	5785	MCS0	48	23.43	23.35	436.948	26.40	30	PASS
165	5825	MCS0	48	23.24	23.71	446.217	26.50	30	PASS

802.11ac_VHT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	28	14.88	13.93	55.495	17.44	30	PASS
46	5230	MCS0	43	22.43	22.50	352.992	**25.48**	30	PASS
54	5270	MCS0	38	19.77	19.96	194.024	**22.88**	23.98	PASS
62	5310	MCS0	29	14.72	15.41	64.435	18.09	23.98	PASS
102	5510	MCS0	28	13.69	13.80	47.401	16.76	23.98	PASS
110	5550	MCS0	40	20.14	20.51	215.847	**23.34**	23.98	PASS
134	5670	MCS0	33	16.39	16.93	92.916	19.68	23.98	PASS
151	5755	MCS0	42	21.22	21.21	264.699	**24.23**	30	PASS
159	5795	MCS0	42	21.09	21.06	256.303	24.09	30	PASS

802.11ac_VHT80_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	23	12.16	12.07	32.538	**15.12**	30	PASS
58	5290	MCS0	23	11.83	12.33	32.328	**15.10**	23.98	PASS
106	5530	MCS0	29	13.98	14.28	51.776	17.14	23.98	PASS
122	5610	MCS0	36	17.12	17.26	104.694	**20.20**	23.98	PASS
155	5775	MCS0	42	21.06	20.85	249.169	**23.96**	30	PASS

802.11ac_VHT160_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
50	5250	MCS0	26	12.06	12.12	32.336	**15.10**	23.98	PASS
114	5570	MCS0	28	11.89	12.30	32.408	**15.11**	23.98	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

802.11ax_HE20_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	29	15.33	14.84	64.575	18.10	30	PASS
44	5220	MCS0	full	43	22.59	22.19	347.005	25.40	30	PASS
48	5240	MCS0	full	43	22.89	22.57	375.120	**25.74**	30	PASS
52	5260	MCS0	full	33	17.36	18.08	118.677	**20.74**	23.98	PASS
60	5300	MCS0	full	33	17.23	17.81	113.199	20.54	23.98	PASS
64	5320	MCS0	full	30	15.61	16.10	77.102	18.87	23.98	PASS
100	5500	MCS0	full	30	15.46	15.56	71.106	18.52	23.98	PASS
116	5580	MCS0	full	30	15.53	15.19	68.740	18.37	23.98	PASS
140	5700	MCS0	full	30	15.91	15.57	75.025	**18.75**	23.98	PASS
149	5745	MCS0	full	48	23.98	23.89	494.765	**26.94**	30	PASS
157	5785	MCS0	full	48	23.66	23.57	459.620	26.62	30	PASS
165	5825	MCS0	full	48	23.76	23.88	481.855	26.83	30	PASS

802.11ax_HE40_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	27	13.91	13.74	48.275	16.84	30	PASS
46	5230	MCS0	full	44	22.91	22.67	380.455	**25.80**	30	PASS
54	5270	MCS0	full	39	20.12	20.48	214.541	**23.32**	23.98	PASS
62	5310	MCS0	full	26	13.23	14.02	46.284	16.65	23.98	PASS
102	5510	MCS0	full	29	14.51	14.80	58.463	17.67	23.98	PASS
110	5550	MCS0	full	39	20.02	19.71	58.463	**22.88**	23.98	PASS
134	5670	MCS0	full	36	18.12	18.67	138.519	21.42	23.98	PASS
151	5755	MCS0	full	46	23.59	23.33	443.948	26.47	30	PASS
159	5795	MCS0	full	47	23.97	23.71	484.543	**26.85**	30	PASS

802.11ax_HE80_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	25	13.21	13.37	42.632	**16.30**	30	PASS
58	5290	MCS0	full	24	12.24	12.77	35.642	**15.52**	23.98	PASS
106	5530	MCS0	full	26	12.66	13.07	38.694	15.88	23.98	PASS
122	5610	MCS0	full	34	15.74	16.33	80.382	**19.05**	23.98	PASS
155	5775	MCS0	full	42	21.11	21.16	259.517	**24.14**	30	PASS

802.11ax_HE160_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
50	5250	MCS0	full	28	12.99	13.01	39.928	**16.01**	23.98	PASS
114	5570	MCS0	full	30	13.01	13.76	43.791	**16.41**	23.98	PASS

Note: Since DG<6dBi, there is no need to modify the limit value.

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

UNII-1 :

The maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi：17 dBm/MHz ☐ Antenna with DG greater than 6 dBi： [Limit = 17 – (DG – 6) dBm/MHz]
UNII-2a Limit	☒ Antenna not exceed 6 dBi：11 dBm/MHz ☐ Antenna with DG greater than 6 dBi： [Limit = 11 – (DG – 6)]
UNII-2c Limit	☒ Antenna not exceed 6 dBi：11 dBm/MHz ☐ Antenna with DG greater than 6 dBi： [Limit = 11 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi：30 dBm/500kHz ☐ Antenna with DG greater than 6 dBi： [Limit = 30 – (DG – 6) dBm/500kHz]

4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup

Refer to section 1.8.

4.4.4 Test Result

Non-Beamformig

Temperature: 20.3 ~ 25.3℃ **Test date:** May 21 ~ July 9, 2024

Humidity: 53 ~ 64% RH **Tested by:** Marco Chan

1. Chain 0

POWER DENSITY 802.11a MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	11.339	0.18	11.52		17.00 dBm/MHz	-5.48
5220	13.190	0.18	13.37		17.00 dBm/MHz	-3.63
5240	13.244	0.18	13.42		17.00 dBm/MHz	-3.58
5260	10.419	0.18	10.60		11.00 dBm/MHz	-0.40
5300	10.456	0.18	10.64		11.00 dBm/MHz	-0.36
5320	10.548	0.18	10.73		11.00 dBm/MHz	-0.27
5500	10.691	0.18	10.87		11.00 dBm/MHz	-0.13
5580	10.464	0.18	10.64		11.00 dBm/MHz	-0.36
5700	10.418	0.18	10.60		11.00 dBm/MHz	-0.40
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	11.022	0.18	2.22	13.42	30.00 dBm/500kHz	-16.58
5785	10.622	0.18	2.22	13.02	30.00 dBm/500kHz	-16.98
5825	9.779	0.18	2.22	12.18	30.00 dBm/500kHz	-17.82

2. Chain 1

POWER DENSITY 802.11a MODE						
Frequency (MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	9.920	0.18	10.10		17.00 dBm/MHz	-6.90
5220	13.177	0.18	13.36		17.00 dBm/MHz	-3.64
5240	13.456	0.18	13.64		17.00 dBm/MHz	-3.36
5260	10.708	0.18	10.89		11.00 dBm/MHz	-0.11
5300	10.603	0.18	10.78		11.00 dBm/MHz	-0.22
5320	9.664	0.18	9.84		11.00 dBm/MHz	-1.16
5500	10.720	0.18	10.90		11.00 dBm/MHz	-0.10
5580	10.361	0.18	10.54		11.00 dBm/MHz	-0.46
5700	10.519	0.18	10.70		11.00 dBm/MHz	-0.30
Frequency (MHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	10.239	0.18	2.22	12.64	30.00 dBm/500kHz	-17.36
5785	9.329	0.18	2.22	11.73	30.00 dBm/500kHz	-18.27
5825	8.442	0.18	2.22	10.84	30.00 dBm/500kHz	-19.16

3. MIMO

POWER DENSITY 802.11n HT20 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	8.969	9.201	0.18	12.28		17.00 dBm/MHz	-4.72
5220	12.166	12.133	0.18	15.34		17.00 dBm/MHz	-1.66
5240	12.511	12.238	0.18	15.57		17.00 dBm/MHz	-1.43
5260	7.367	7.930	0.18	10.85		11.00 dBm/MHz	-0.15
5300	7.128	7.508	0.18	10.51		11.00 dBm/MHz	-0.49
5320	7.320	7.710	0.18	10.71		11.00 dBm/MHz	-0.29
5500	7.075	7.819	0.18	10.65		11.00 dBm/MHz	-0.35
5580	7.505	7.244	0.18	10.57		11.00 dBm/MHz	-0.43
5700	7.877	7.424	0.18	10.85		11.00 dBm/MHz	-0.15
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	8.220	8.486	0.18	2.22	13.77	30.00 dBm/500kHz	-16.23
5785	8.775	8.535	0.18	2.22	14.07	30.00 dBm/500kHz	-15.93
5825	8.651	7.944	0.18	2.22	13.72	30.00 dBm/500kHz	-16.28

POWER DENSITY 802.11n HT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	5.043	4.615	0.37	8.21		17.00 dBm/MHz	-8.79
5230	10.011	10.178	0.37	13.48		17.00 dBm/MHz	-3.52
5270	6.897	7.402	0.37	10.54		11.00 dBm/MHz	-0.46
5310	5.257	5.831	0.37	8.93		11.00 dBm/MHz	-2.07
5510	6.067	7.033	0.37	9.96		11.00 dBm/MHz	-1.04
5550	7.326	7.879	0.37	10.99		11.00 dBm/MHz	-0.01
5670	6.665	7.014	0.37	10.22		11.00 dBm/MHz	-0.78
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5755	5.584	5.998	0.37	2.22	11.40	30.00 dBm/500kHz	-18.60
5795	5.484	5.941	0.37	2.22	11.32	30.00 dBm/500kHz	-18.68

POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-1.404	-1.644	0.72	2.21		17.00 dBm/MHz	-14.79
5290	-1.025	-0.856	0.72	2.79		11.00 dBm/MHz	-8.21
5530	0.037	0.736	0.72	4.13		11.00 dBm/MHz	-6.87
5610	2.137	2.431	0.72	6.02		11.00 dBm/MHz	-4.98
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5775	-0.042	0.149	0.72	2.22	6.00	30.00 dBm/500kHz	-24.00

Note: Since DG<6dBi, there is no need to modify the limit value.

POWER DENSITY 802.11ac VHT160 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5250	-3.807	-4.546	1.19	0.04	11.00 dBm/MHz	-10.96
5570	-5.525	-3.853	1.19	-0.41	11.00 dBm/MHz	-11.41

POWER DENSITY 802.11ax HE20 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	9.179	9.224	0.23	12.44		17.00 dBm/MHz	-4.56
5220	full	11.964	12.142	0.23	15.29		17.00 dBm/MHz	-1.71
5240	full	12.243	12.169	0.23	15.45		17.00 dBm/MHz	-1.55
5260	full	6.896	7.852	0.23	10.64		11.00 dBm/MHz	-0.36
5300	full	6.977	7.601	0.23	10.54		11.00 dBm/MHz	-0.46
5320	full	7.276	8.185	0.23	10.99		11.00 dBm/MHz	-0.01
5500	full	7.068	8.067	0.23	10.84		11.00 dBm/MHz	-0.16
5580	full	7.729	7.564	0.23	10.89		11.00 dBm/MHz	-0.11
5700	full	7.642	7.242	0.23	10.69		11.00 dBm/MHz	-0.31
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	full	8.150	9.444	0.23	2.22	14.31	30.00 dBm/500kHz	-15.69
5785	full	8.851	8.955	0.23	2.22	14.36	30.00 dBm/503kHz	-15.64
5825	full	8.278	8.375	0.23	2.22	13.79	30.00 dBm/504kHz	-16.21

POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	4.564	4.370	0.42	7.90		17.00 dBm/MHz	-9.10
5230	full	9.983	10.143	0.42	13.49		17.00 dBm/MHz	-3.51
5270	full	6.988	7.837	0.42	10.86		11.00 dBm/MHz	-0.14
5310	full	4.241	5.187	0.42	8.17		11.00 dBm/MHz	-2.83
5510	full	5.881	6.721	0.42	9.75		11.00 dBm/MHz	-1.25
5550	full	7.104	7.590	0.42	10.78		11.00 dBm/MHz	-0.22
5670	full	6.986	7.234	0.42	10.54		11.00 dBm/MHz	-0.46
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5755	full	5.196	6.127	0.42	2.22	11.34	30.00 dBm/501kHz	-18.66
5795	full	6.531	6.375	0.42	2.22	12.10	30.00 dBm/503kHz	-17.90

Note: Since DG<6dBi, there is no need to modify the limit value.

POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-1.885	-2.019	0.75	1.81		17.00 dBm/MHz	-15.19
5290	full	-1.664	-0.560	0.75	2.68		11.00 dBm/MHz	-8.32
5530	full	0.431	0.512	0.75	4.23		11.00 dBm/MHz	-6.77
5610	full	1.637	1.868	0.75	5.51		11.00 dBm/MHz	-5.49
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5775	full	1.217	0.690	0.75	2.22	6.94	30.00 dBm/500kHz	-23.06

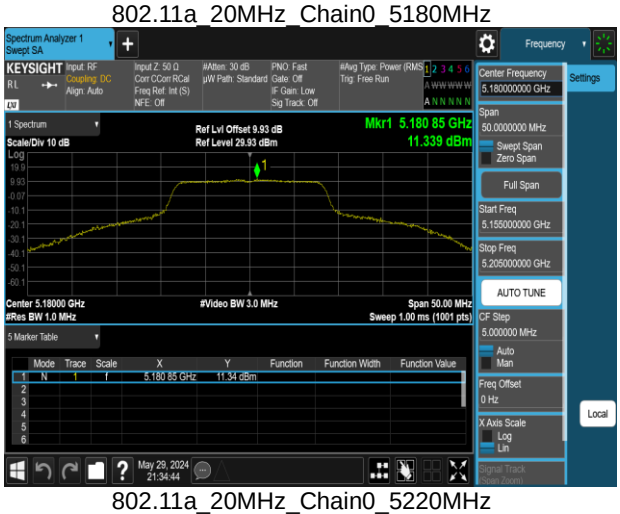
POWER DENSITY 802.11ax HE160 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5250	full	-5.192	-5.076	1.18	-0.94	11.00 dBm/MHz	-11.94
5570	full	-5.977	-4.129	1.18	-0.77	11.00 dBm/MHz	-11.77

Note: Since DG<6dBi, there is no need to modify the limit value.

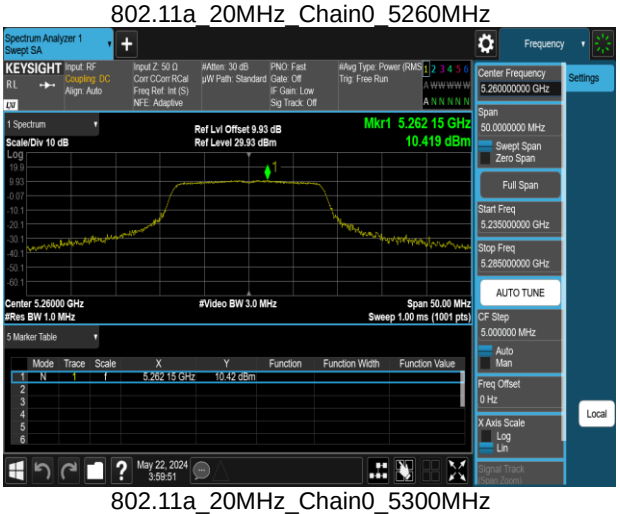
Test Data

1. Chain 0

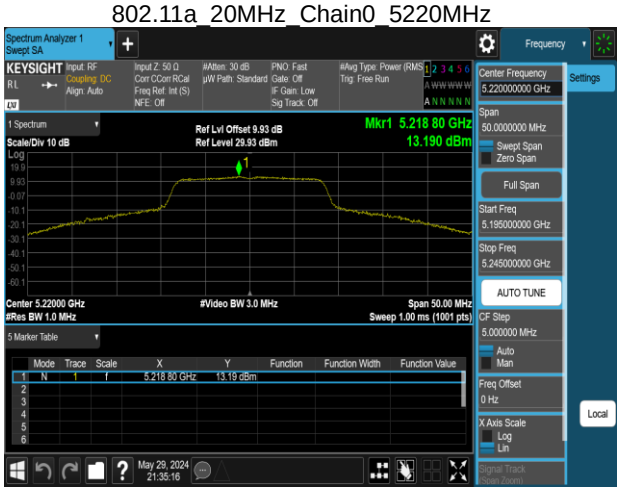
802.11a_20MHz_Chain0_5180MHz



802.11a_20MHz_Chain0_5260MHz

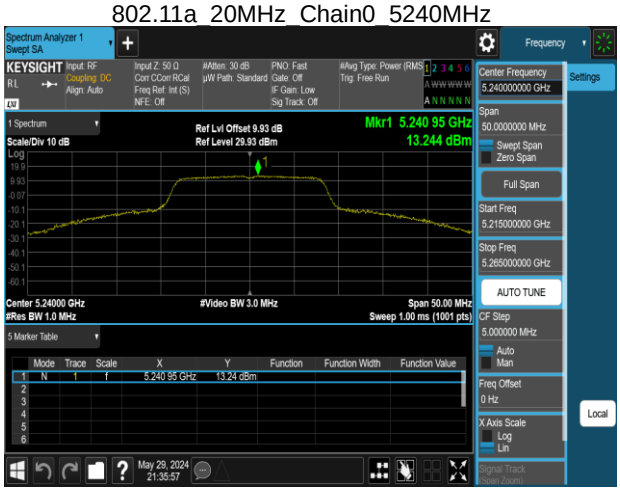


802.11a_20MHz_Chain0_5220MHz



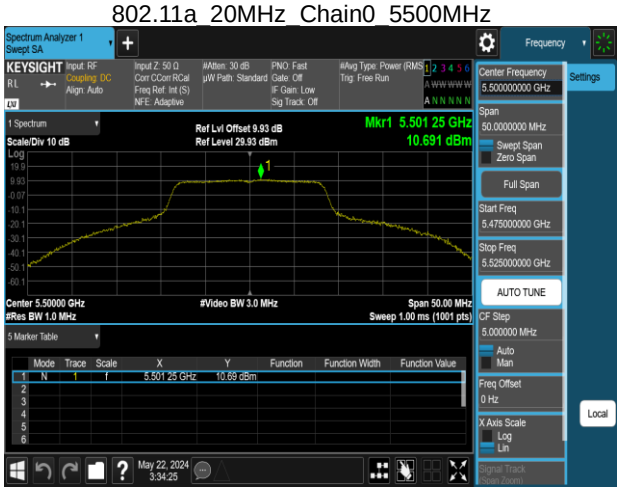
802.11a_20MHz_Chain0_5300MHz

802.11a_20MHz_Chain0_5240MHz

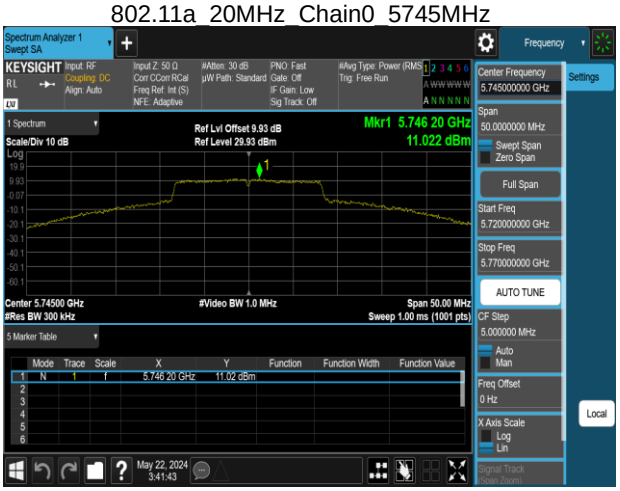


802.11a_20MHz_Chain0_5320MHz

802.11a_20MHz_Chain0_5500MHz



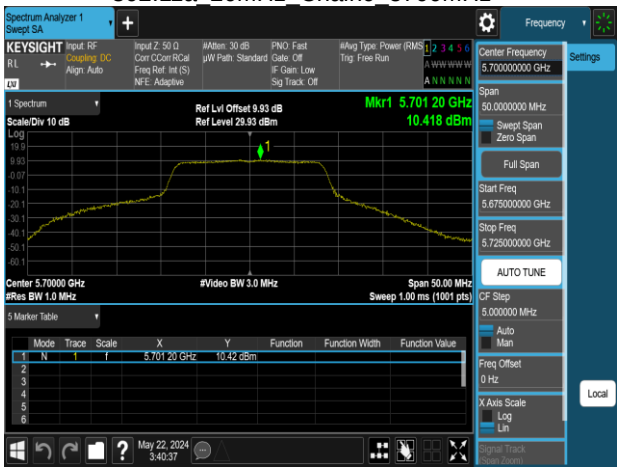
802.11a_20MHz_Chain0_5745MHz



802.11a_20MHz_Chain0_5580MHz

802.11a_20MHz_Chain0_5785MHz

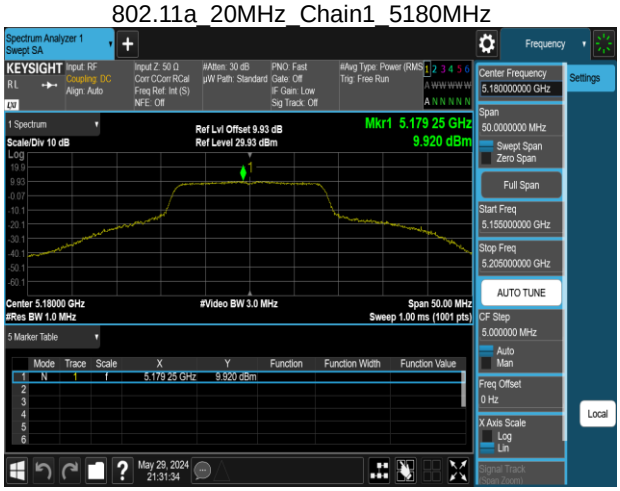
802.11a_20MHz_Chain0_5700MHz



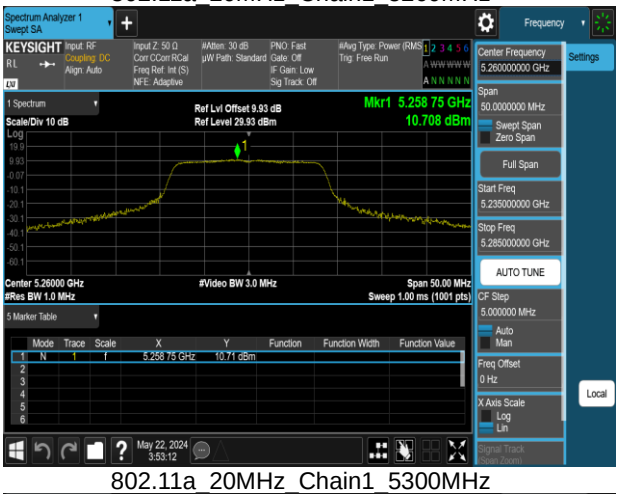
802.11a_20MHz_Chain0_5825MHz

2. Chain 1

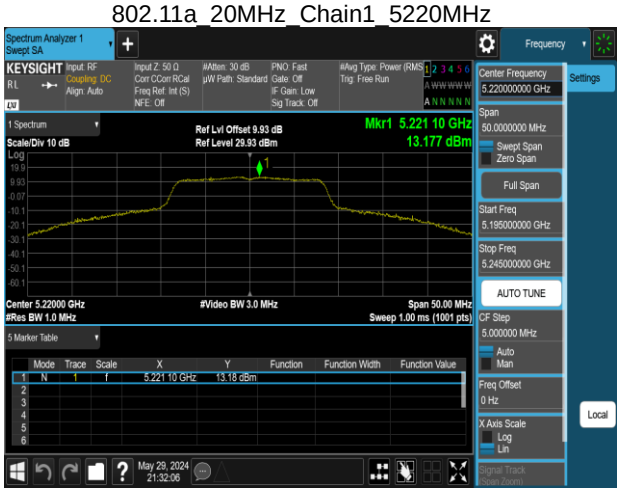
802.11a_20MHz_Chain1_5180MHz



802.11a_20MHz_Chain1_5260MHz

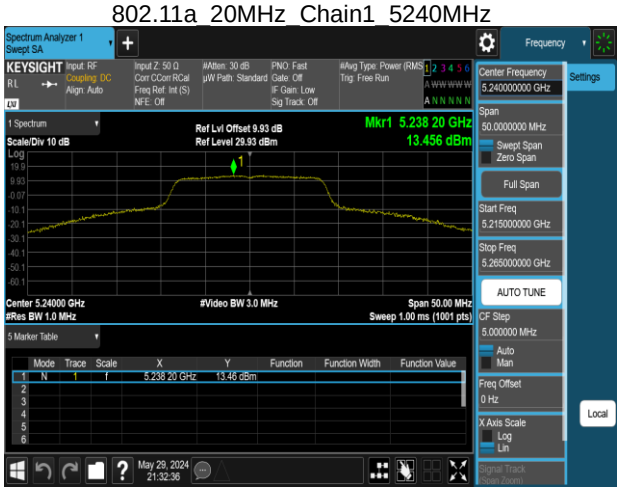


802.11a_20MHz_Chain1_5220MHz



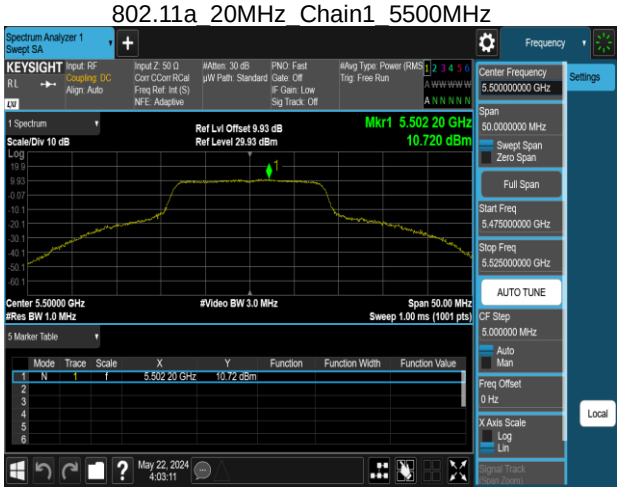
802.11a_20MHz_Chain1_5300MHz

802.11a_20MHz_Chain1_5240MHz

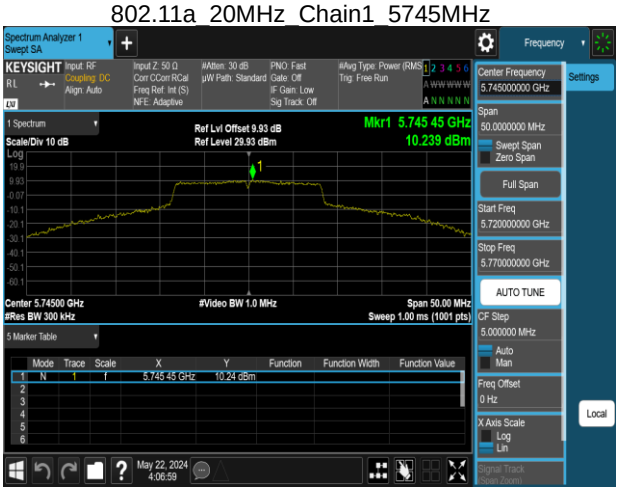


802.11a_20MHz_Chain1_5320MHz

802.11a_20MHz_Chain1_5500MHz



802.11a_20MHz_Chain1_5745MHz



802.11a_20MHz_Chain1_5580MHz

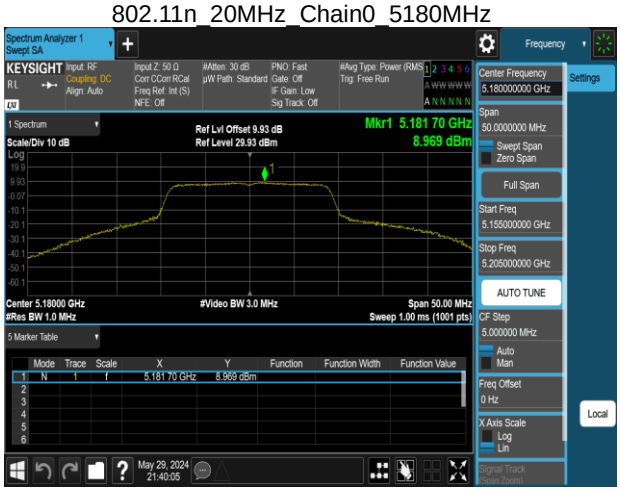
802.11a_20MHz_Chain1_5785MHz

802.11a_20MHz_Chain1_5700MHz

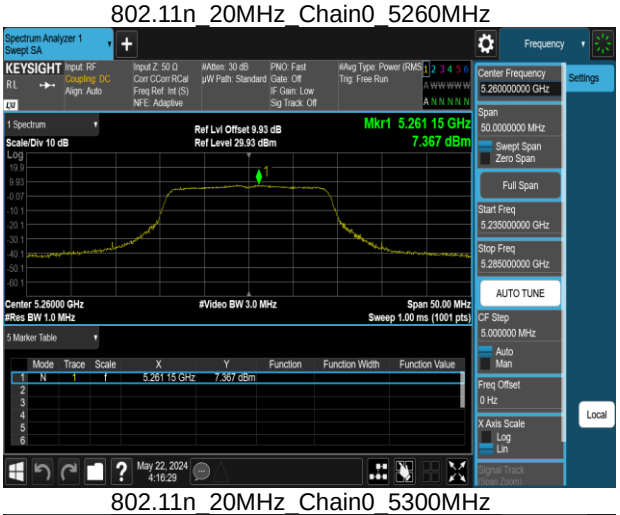
802.11a_20MHz_Chain1_5825MHz

3. MIMO

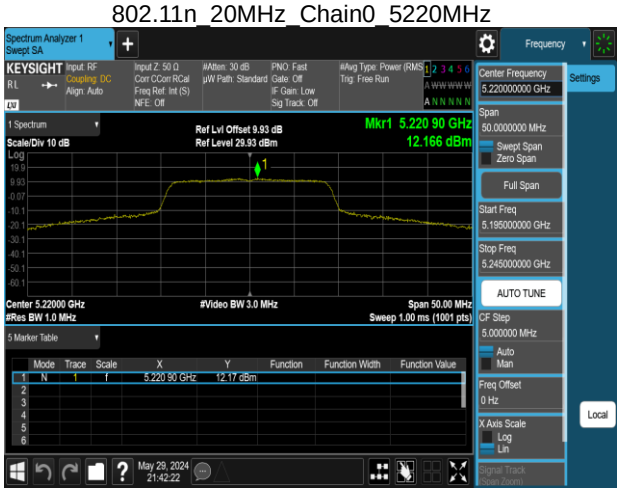
802.11n_20MHz_Chain0_5180MHz



802.11n_20MHz_Chain0_5260MHz

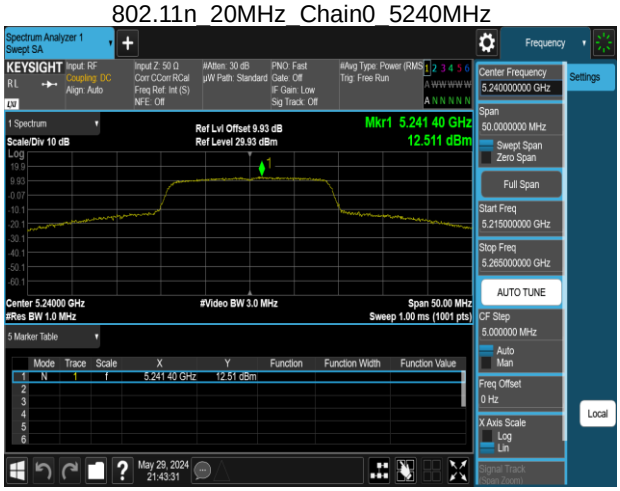


802.11n_20MHz_Chain0_5220MHz



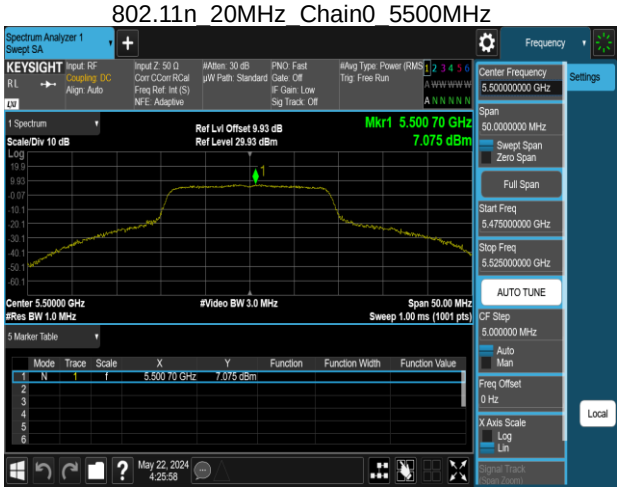
802.11n_20MHz_Chain0_5300MHz

802.11n_20MHz_Chain0_5240MHz



802.11n_20MHz_Chain0_5320MHz

802.11n_20MHz_Chain0_5500MHz



802.11n_20MHz_Chain0_5745MHz

802.11n_20MHz_Chain0_5580MHz

802.11n_20MHz_Chain0_5785MHz

802.11n_20MHz_Chain0_5700MHz

802.11n_20MHz_Chain0_5825MHz