

802.11ax_40MHz_Chain1_5270MHz



802.11ax_40MHz_Chain1_5550MHz



802.11ax_40MHz_Chain1_5310MHz



802.11ax_40MHz_Chain1_5670MHz



802.11ax_40MHz_Chain1_5510MHz



802.11ax_40MHz_Chain1_5710MHz



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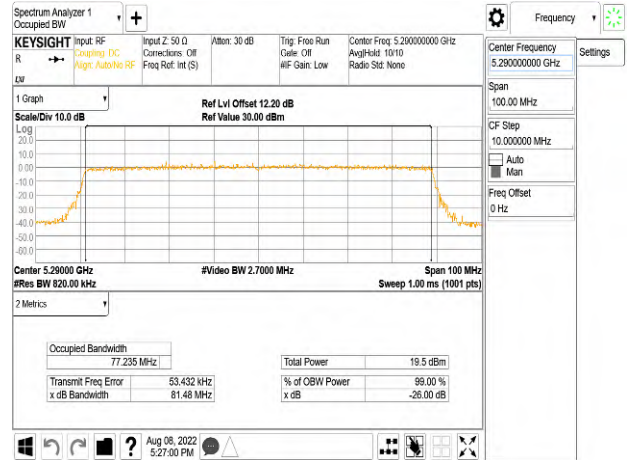
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802.11ax_40MHz_Chain1_5755MHz



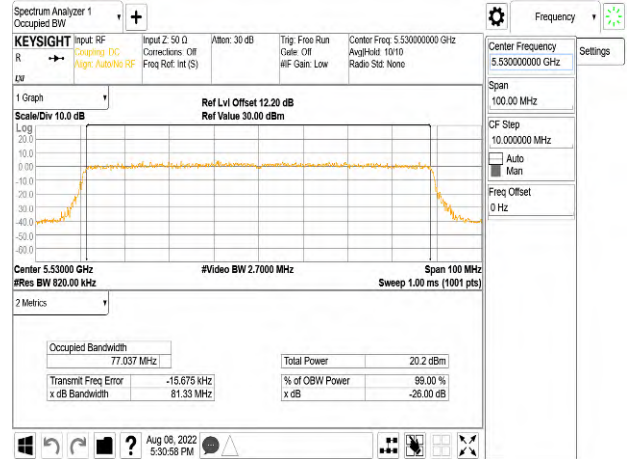
802.11ax_80MHz_Chain0_5290MHz



802.11ax_40MHz_Chain1_5795MHz



802.11ax_80MHz_Chain0_5530MHz



802.11ax_80MHz_Chain0_5210MHz



802.11ax_80MHz_Chain0_5610MHz



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802.11ax_80MHz_Chain0_5690MHz



802.11ax_80MHz_Chain1_5290MHz



802.11ax_80MHz_Chain0_5775MHz



802.11ax_80MHz_Chain1_5530MHz



802.11ax_80MHz_Chain1_5210MHz



802.11ax_80MHz_Chain1_5610MHz



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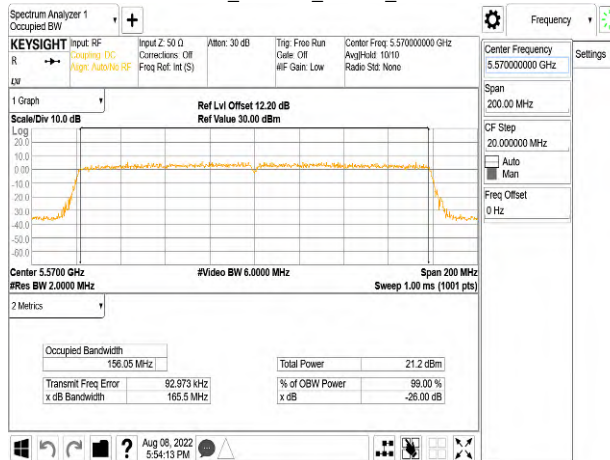
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802.11ax_80MHz_Chain1_5690MHz



802.11ax_160MHz_Chain0_5570MHz



802.11ax_80MHz_Chain1_5775MHz



802.11ax_160MHz_Chain1_5250MHz



802.11ax_160MHz_Chain0_5250MHz



802.11ax_160MHz_Chain1_5570MHz



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9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

9.1 Standard Applicable

9.1.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

9.1.2 Output Power

Band	EUT CATEGORY		e-CRF Title 47 §15.407			
			Conducted Output Power	EIRP	TPC	Antenna Directional Gain Requirements
U-NII-1		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	23dBi
		Out door AP	1 Watt(30dBm)	Elevation angle above 30 degrees 125mW (21dBm)	Not required	6dBi
		Indoor AP	1 Watt(30dBm)	Not required	Not required	6dBi
	V	Other	250mW(23.98dBm)	Not required	Not required	6dBi
U-NII-2A	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required	When EIRP >500mW At least 6dB below EIRP 1W (30dBm)	6dBi
U-NII-2C	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required		6dBi
U-NII-3	V	Other	1 Watt(30dBm)	Not required	Not required	6dBi
		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	Not required
U-NII-4		Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)	Not required	36dBm	Not required	Not required
		indoor client (a channel spans 5725~5850 and 5850~5895MHz)	Not required	30dBm	Not required	Not required
		subordinate device	Not required	36dBm	Not required	Not required

- If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.
- For the 10 log B, B is the 26 dB emission bandwidth.

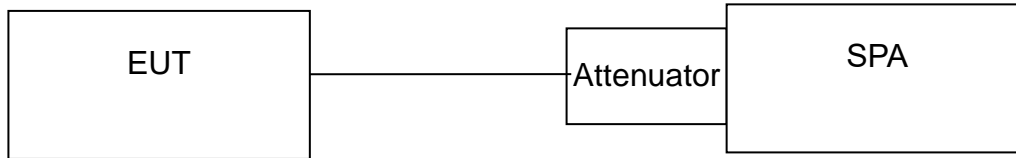
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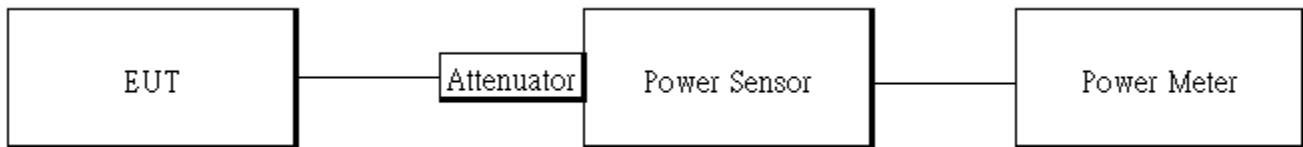
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9.2 Test Setup

9.2.1 Duty Cycle



9.2.2 Output Power



9.3 Measurement Procedure

9.3.1 Duty Cycle Measurements

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

9.3.2 Output Power Measurements

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.
7. MIMO mode: offset is set with "measure and add $10 \log(N)$ " to measurement for MIMO mode. Offset = cable loss + $10 \log(N)$, where N is number of transmitting antenna, cable loss is specified below.

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Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$ = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

9.4 Duty Cycle Measurement Result

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	99.24	0.03	0.48	0.01
802.11n_20	99.67	0.01	0.18	0.01
802.11ac_20	99.71	0.01	0.18	0.01
802.11n_40	99.71	0.01	0.18	0.01
802.11ac_40	99.71	0.01	0.18	0.01
802.11ac_80	99.71	0.01	0.18	0.01
802.11ac_160	99.71	0.01	0.18	0.01
802.11ax_20	99.67	0.01	0.18	0.01
802.11ax_40	99.71	0.01	0.18	0.01
802.11ax_80	99.71	0.01	0.18	0.01
802.11ax_160	99.71	0.01	0.18	0.01

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802.11a_20MHz_Chain0_5180MHz



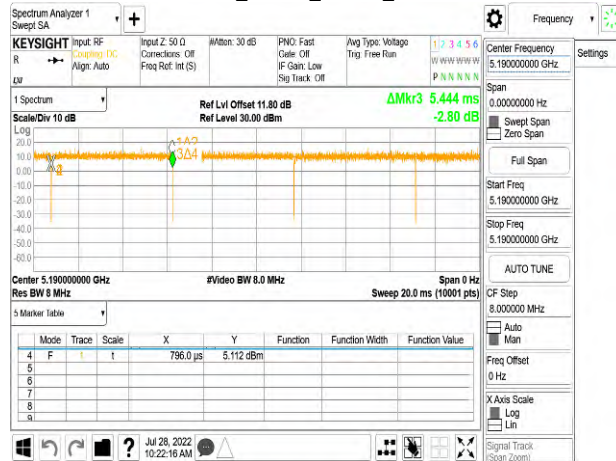
802.11ac_20MHz_Chain0_5180MHz



802.11n_20MHz_Chain0_5180MHz



802.11ac_40MHz_Chain0_5190MHz



802.11n_40MHz_Chain0_5190MHz



802.11ac_80MHz_Chain0_5210MHz



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802.11ac_160MHz_Chain0_5250MHz



802.11ax_80MHz_Chain0_5210MHz



802.11ax_20MHz_Chain0_5180MHz



802.11ax_160MHz_Chain0_5250MHz



802.11ax_40MHz_Chain0_5190MHz



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9.5 Output Power Measurement Result

9.5.1 FCC Output power

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	11.5	13.72	23.567	23.98	PASS
44	5220	6	11.5	13.68	23.351	23.98	PASS
48	5240	6	11.5	13.71	23.513	23.98	PASS
52	5260	6	14.5	16.85	48.452	23.68	PASS
60	5300	6	14.5	16.79	47.787	23.74	PASS
64	5320	6	14.5	16.74	47.240	23.78	PASS
100	5500	6	15	16.75	47.349	23.71	PASS
116	5580	6	15	16.71	46.915	23.73	PASS
140	5700	6	15	16.69	46.700	23.77	PASS
144	5720(U-NII 2C)	6	15	15.70	37.18	22.59	PASS
144	5720 (U-NII 3)	6	15	10.56	11.38	30	PASS
149	5745	6	14.5	16.83	48.230	30	PASS
157	5785	6	14.5	16.74	47.240	30	PASS
165	5825	6	14.5	16.80	47.898	30	PASS

802.11a_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	12	13.65	23.191	23.98	PASS
44	5220	6	12	13.60	22.925	23.98	PASS
48	5240	6	12	13.66	23.244	23.98	PASS
52	5260	6	15	16.80	47.898	23.67	PASS
60	5300	6	15	16.75	47.349	23.74	PASS
64	5320	6	15	16.69	46.700	23.69	PASS
100	5500	6	15.5	16.71	46.915	23.73	PASS
116	5580	6	15.5	16.68	46.592	23.69	PASS
140	5700	6	15.5	16.65	46.271	23.75	PASS
144	5720(U-NII 2C)	6	15.5	15.60	36.33	22.63	PASS
144	5720 (U-NII 3)	6	15.5	10.55	11.35	30	PASS
149	5745	6	15	16.76	47.458	30	PASS
157	5785	6	15	16.69	46.700	30	PASS
165	5825	6	15	16.74	47.240	30	PASS

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802.11a_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	6	12.5	13.98	13.46	16.77	47.534	23.98	PASS
44	5220	6	12.5	13.94	13.41	16.73	47.098	23.98	PASS
48	5240	6	12.5	13.96	13.44	16.75	47.315	23.98	PASS
52	5260	6	15	17.19	16.62	19.96	99.083	23.67	PASS
60	5300	6	15	17.04	16.53	19.84	96.383	23.74	PASS
64	5320	6	15	16.98	16.45	19.77	94.842	23.69	PASS
100	5500	6	15	17.06	16.51	19.84	96.383	23.71	PASS
116	5580	6	15	16.97	16.42	19.75	94.406	23.69	PASS
140	5700	6	15	16.94	16.39	19.72	93.756	23.75	PASS
144	5720(U-NII 2C)	6	15	15.92	15.41	18.71	74.346	22.59	PASS
144	5720 (U-NII 3)	6	15	10.78	10.36	13.61	22.978	30	PASS
149	5745	6	15	17.15	16.57	19.91	97.949	30	PASS
157	5785	6	15	16.96	16.48	19.77	94.842	30	PASS
165	5825	6	15	17.06	16.55	19.86	96.828	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	12	13.76	23.792	23.98	PASS
44	5220	MCS0	12	13.86	24.346	23.98	PASS
48	5240	MCS0	12	13.83	24.179	23.98	PASS
52	5260	MCS0	15	16.76	47.472	23.98	PASS
60	5300	MCS0	15	16.81	48.021	23.98	PASS
64	5320	MCS0	15	16.88	48.802	23.94	PASS
100	5500	MCS0	15.5	16.83	48.243	23.98	PASS
116	5580	MCS0	15.5	16.74	47.254	23.98	PASS
140	5700	MCS0	15.5	16.73	47.145	23.96	PASS
144	5720(U-NII 2C)	MCS0	15.5	15.56	35.94	23.98	PASS
144	5720 (U-NII 3)	MCS0	15.5	10.82	12.08	30	PASS
149	5745	MCS0	15	16.82	48.132	30	PASS
157	5785	MCS0	15	16.86	48.578	30	PASS
165	5825	MCS0	15	16.84	48.354	30	PASS

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802.11n_HT20_Ch1

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36	5180	MCS0	12.5	13.71	23.520	23.98	PASS
44	5220	MCS0	12.5	13.79	23.957	23.98	PASS
48	5240	MCS0	12.5	13.77	23.847	23.98	PASS
52	5260	MCS0	15.5	16.70	46.820	23.98	PASS
60	5300	MCS0	15.5	16.74	47.254	23.95	PASS
64	5320	MCS0	15.5	16.80	47.911	23.98	PASS
100	5500	MCS0	16	16.69	46.713	23.98	PASS
116	5580	MCS0	16	16.67	46.498	23.98	PASS
140	5700	MCS0	16	16.68	46.605	23.98	PASS
144	5720(U-NII 2C)	MCS0	16	15.42	34.84	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	10.66	11.65	30	PASS
149	5745	MCS0	15.5	16.76	47.472	30	PASS
157	5785	MCS0	15.5	16.81	48.021	30	PASS
165	5825	MCS0	15.5	16.79	47.801	30	PASS

802.11n_HT20_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	12	14.08	13.56	16.85	48.417	23.98	PASS
44	5220	MCS0	12.5	14.16	13.63	16.93	49.317	23.98	PASS
48	5240	MCS0	12.5	14.12	13.6	16.89	48.865	23.98	PASS
52	5260	MCS0	15	17.01	16.51	19.79	95.280	23.95	PASS
60	5300	MCS0	15	17.06	16.54	19.83	96.161	23.94	PASS
64	5320	MCS0	15	17.15	16.63	19.92	98.175	23.98	PASS
100	5500	MCS0	15	17.17	16.61	19.92	98.175	23.98	PASS
116	5580	MCS0	15	16.95	16.47	19.74	94.189	23.96	PASS
140	5700	MCS0	15	16.99	16.5	19.78	95.060	23.98	PASS
144	5720(U-NII 2C)	MCS0	15	15.81	15.31	18.59	72.223	22.77	PASS
144	5720 (U-NII 3)	MCS0	15	11.08	10.55	13.84	24.222	30	PASS
149	5745	MCS0	15	17.12	16.59	19.89	97.499	30	PASS
157	5785	MCS0	15	17.18	16.66	19.95	98.855	30	PASS
165	5825	MCS0	15	17.09	16.6	19.88	97.275	30	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	12.5	14.29	26.870	23.98	PASS
46	5230	MCS0	12.5	14.34	27.181	23.98	PASS
54	5270	MCS0	15	16.83	48.224	23.98	PASS
62	5310	MCS0	15	16.85	48.446	23.98	PASS
102	5510	MCS0	15.5	16.82	48.113	23.98	PASS
110	5550	MCS0	15.5	16.81	48.002	23.98	PASS
134	5670	MCS0	15	16.72	47.018	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	16.13	40.99	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	7.64	5.81	30	PASS
151	5755	MCS0	15	16.78	47.672	30	PASS
159	5795	MCS0	15	16.74	47.235	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	13	14.22	26.440	23.98	PASS
46	5230	MCS0	13	14.29	26.870	23.98	PASS
54	5270	MCS0	15.5	16.77	47.562	23.98	PASS
62	5310	MCS0	15.5	16.80	47.892	23.98	PASS
102	5510	MCS0	16	16.75	47.344	23.98	PASS
110	5550	MCS0	16	16.73	47.126	23.98	PASS
134	5670	MCS0	15.5	16.69	46.694	23.98	PASS
142	5710(U-NII 2C)	MCS0	15.5	16.09	40.63	23.98	PASS
142	5710 (U-NII 3)	MCS0	15.5	7.51	5.63	30	PASS
151	5755	MCS0	15.5	16.75	47.344	30	PASS
159	5795	MCS0	15.5	16.69	46.694	30	PASS

802.11n_HT40_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	12.5	14.6	14.08	17.37	54.576	23.98	PASS
46	5230	MCS0	13	14.69	14.15	17.45	55.590	23.98	PASS
54	5270	MCS0	15	17.15	16.61	19.91	97.949	23.98	PASS
62	5310	MCS0	15	17.1	16.57	19.87	97.051	23.98	PASS
102	5510	MCS0	15	17.12	16.59	19.89	97.499	23.98	PASS
110	5550	MCS0	15	17.07	16.56	19.85	96.605	23.98	PASS
134	5670	MCS0	15	16.97	16.5	19.76	94.624	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	16.36	15.91	19.16	82.442	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	7.88	7.33	10.63	11.566	30	PASS
151	5755	MCS0	15	17.05	16.55	19.83	96.161	30	PASS
159	5795	MCS0	15	17.01	16.49	19.78	95.060	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	12	13.70	23.456	23.98	PASS
44	5220	MCS0	12	13.76	23.783	23.98	PASS
48	5240	MCS0	12	13.73	23.619	23.98	PASS
52	5260	MCS0	15	16.70	46.802	23.98	PASS
60	5300	MCS0	15	16.74	47.235	23.98	PASS
64	5320	MCS0	15	16.83	48.224	23.94	PASS
100	5500	MCS0	15.5	16.80	47.892	23.98	PASS
116	5580	MCS0	15.5	16.72	47.018	23.98	PASS
140	5700	MCS0	15.5	16.69	46.694	23.96	PASS
144	5720(U-NII 2C)	MCS0	15.5	15.51	35.59	23.98	PASS
144	5720 (U-NII 3)	MCS0	15.5	10.78	11.97	30	PASS
149	5745	MCS0	15	16.80	47.892	30	PASS
157	5785	MCS0	15	16.81	48.002	30	PASS
165	5825	MCS0	15	16.78	47.672	30	PASS

802.11ac_VHT20_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	12.5	13.62	23.028	23.98	PASS
44	5220	MCS0	12.5	13.70	23.456	23.98	PASS
48	5240	MCS0	12.5	13.66	23.241	23.98	PASS
52	5260	MCS0	15.5	16.65	46.266	23.98	PASS
60	5300	MCS0	15.5	16.71	46.910	23.95	PASS
64	5320	MCS0	15.5	16.77	47.562	23.98	PASS
100	5500	MCS0	16	16.75	47.344	23.98	PASS
116	5580	MCS0	16	16.68	46.587	23.98	PASS
140	5700	MCS0	16	16.67	46.479	23.98	PASS
144	5720(U-NII 2C)	MCS0	16	15.46	35.15	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	10.70	11.76	30	PASS
149	5745	MCS0	15.5	16.75	47.344	30	PASS
157	5785	MCS0	15.5	16.73	47.126	30	PASS
165	5825	MCS0	15.5	16.71	46.910	30	PASS

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802.11ac_VHT20_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	12	14.02	13.49	16.79	47.753	23.98	PASS
44	5220	MCS0	12.5	14.11	13.55	16.86	48.529	23.98	PASS
48	5240	MCS0	12.5	14.06	13.5	16.81	47.973	23.98	PASS
52	5260	MCS0	15	16.95	16.45	19.73	93.972	23.95	PASS
60	5300	MCS0	15	16.99	16.47	19.76	94.624	23.94	PASS
64	5320	MCS0	15	17.09	16.58	19.87	97.051	23.98	PASS
100	5500	MCS0	15	17.1	16.56	19.86	96.828	23.98	PASS
116	5580	MCS0	15	16.97	16.49	19.76	94.624	23.96	PASS
140	5700	MCS0	15	16.95	16.47	19.74	94.189	23.98	PASS
144	5720(U-NII 2C)	MCS0	15	15.78	15.31	18.57	71.960	22.77	PASS
144	5720 (U-NII 3)	MCS0	15	11.05	10.55	13.83	24.133	30	PASS
149	5745	MCS0	15	17.07	16.54	19.84	96.383	30	PASS
157	5785	MCS0	15	17.13	16.59	19.89	97.499	30	PASS
165	5825	MCS0	15	17.01	16.55	19.81	95.719	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	12.5	14.27	26.746	23.98	PASS
46	5230	MCS0	12.5	14.31	26.994	23.98	PASS
54	5270	MCS0	15	16.78	47.672	23.98	PASS
62	5310	MCS0	15	16.76	47.453	23.98	PASS
102	5510	MCS0	15.5	16.79	47.782	23.98	PASS
110	5550	MCS0	15.5	16.75	47.344	23.98	PASS
134	5670	MCS0	15	16.70	46.802	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	16.08	40.52	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	7.59	5.74	30	PASS
151	5755	MCS0	15	16.72	47.018	30	PASS
159	5795	MCS0	15	16.70	46.802	30	PASS

802.11ac_VHT40_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	13	14.20	26.319	23.98	PASS
46	5230	MCS0	13	14.26	26.685	23.98	PASS
54	5270	MCS0	15.5	16.71	46.910	23.98	PASS
62	5310	MCS0	15.5	16.70	46.802	23.98	PASS
102	5510	MCS0	16	16.75	47.344	23.98	PASS
110	5550	MCS0	16	16.69	46.694	23.98	PASS
134	5670	MCS0	15.5	16.67	46.479	23.98	PASS
142	5710(U-NII 2C)	MCS0	15.5	16.07	40.44	23.98	PASS
142	5710 (U-NII 3)	MCS0	15.5	7.49	5.61	30	PASS
151	5755	MCS0	15.5	16.65	46.266	30	PASS
159	5795	MCS0	15.5	16.66	46.373	30	PASS

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802.11ac_VHT40_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	12.5	14.57	14.02	17.33	54.075	23.98	PASS
46	5230	MCS0	13	14.62	14.08	17.38	54.702	23.98	PASS
54	5270	MCS0	15	17.1	16.56	19.86	96.828	23.98	PASS
62	5310	MCS0	15	17.06	16.5	19.81	95.719	23.98	PASS
102	5510	MCS0	15	17.08	16.49	19.82	95.940	23.98	PASS
110	5550	MCS0	15	17.01	16.51	19.79	95.280	23.98	PASS
134	5670	MCS0	15	16.94	16.43	19.72	93.756	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	16.32	15.85	19.11	81.508	23.98	PASS
142	5710(U-NII 3)	MCS0	15	7.84	7.27	10.58	11.435	30	PASS
151	5755	MCS0	15	17.01	16.47	19.77	94.842	30	PASS
159	5795	MCS0	15	16.97	16.44	19.74	94.189	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	12.5	14.32	27.056	23.98	PASS
58	5290	MCS0	14.5	16.39	43.577	23.98	PASS
106	5530	MCS0	14	15.24	33.440	23.98	PASS
122	5610	MCS0	15.5	16.80	47.892	23.98	PASS
138	5690(U-NII 2C)	MCS0	15	16.52	44.92	23.98	PASS
138	5690(U-NII 3)	MCS0	15	5.04	3.19	30	PASS
155	5775	MCS0	15	16.84	48.335	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	13	14.23	26.501	23.98	PASS
58	5290	MCS0	15	16.29	42.585	23.98	PASS
106	5530	MCS0	14.5	15.15	32.754	23.98	PASS
122	5610	MCS0	16	16.77	47.562	23.98	PASS
138	5690(U-NII 2C)	MCS0	15.5	16.45	44.11	23.98	PASS
138	5690(U-NII 3)	MCS0	15.5	5.09	3.23	30	PASS
155	5775	MCS0	15.5	16.79	47.782	30	PASS

802.11ac_VHT80_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	12.5	14.6	14.15	17.40	54.954	23.98	PASS
58	5290	MCS0	14.5	16.65	16.3	19.50	89.125	23.98	PASS
106	5530	MCS0	14	15.48	15.12	18.33	68.077	23.98	PASS
122	5610	MCS0	15.5	16.99	16.59	19.82	95.940	23.98	PASS
138	5690(U-NII 2C)	MCS0	15	16.79	16.33	19.59	90.970	23.98	PASS
138	5690(U-NII 3)	MCS0	15	5.30	4.98	8.17	6.554	30	PASS
155	5775	MCS0	15	17.13	16.65	19.92	98.175	30	PASS

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802.11ac_VHT160_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	13	14.29	26.870	23.98	PASS
114	5570	MCS0	13	14.23	26.501	23.98	PASS

802.11ac_VHT160_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	13.5	14.21	26.379	23.98	PASS
114	5570	MCS0	13.5	14.16	26.077	23.98	PASS

802.11ac_VHT160_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
50	5250	MCS0	13	14.58	14.13	17.38	54.702	23.98	PASS
114	5570	MCS0	13	14.54	14.09	17.34	54.200	23.98	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	full	12.5	14.42	27.697	23.98	PASS
		MCS0	26/0	13	5.37	3.447	23.98	PASS
		MCS0	52/37	15	7.05	5.075	23.98	PASS
		MCS0	106/53	19	11.06	12.777	23.98	PASS
44	5220	MCS0	full	12.5	14.47	28.018	23.98	PASS
48	5240	MCS0	full	12.5	14.43	27.761	23.98	PASS
52	5260	MCS0	full	15	16.81	48.021	23.98	PASS
60	5300	MCS0	full	15	16.89	48.914	23.98	PASS
64	5320	MCS0	full	15	16.73	47.145	23.98	PASS
		MCS0	26/8	18	10.39	10.951	23.98	PASS
		MCS0	52/40	20	13.14	20.627	23.98	PASS
		MCS0	106/54	23	14.83	30.439	23.98	PASS
100	5500	MCS0	full	15.5	16.80	47.911	23.98	PASS
		MCS0	26/0	18	11.85	15.326	23.98	PASS
		MCS0	52/37	19	13.84	24.235	23.98	PASS
		MCS0	106/53	20	14.75	29.884	23.98	PASS
116	5580	MCS0	full	15.5	16.76	47.472	23.98	PASS
140	5700	MCS0	full	14.5	16.37	43.395	23.98	PASS
		MCS0	26/8	16	10.46	11.128	23.98	PASS
		MCS0	52/40	19	13.75	23.738	23.98	PASS
		MCS0	106/54	20	14.80	30.230	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	15	15.51	35.542	22.84	PASS
144	5720 (U-NII 3)	MCS0	full	15	10.88	12.259	30	PASS
149	5745	MCS0	full	15	16.86	48.578	30	PASS
		MCS0	26/0	17	11.77	15.047	30	PASS
		MCS0	52/37	18	13.76	23.792	30	PASS
		MCS0	106/53	19	14.85	30.580	30	PASS
157	5785	MCS0	full	15	16.81	48.021	30	PASS
165	5825	MCS0	full	15	16.73	47.145	30	PASS
		MCS0	26/8	17	11.82	15.221	30	PASS
		MCS0	52/40	18	13.84	24.235	30	PASS
		MCS0	106/54	19	14.75	29.884	30	PASS

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802.11ax_HE20_Ch1

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	full	13	14.36	27.317	23.98	PASS
		MCS0	26/0	13	5.27	3.368	23.98	PASS
		MCS0	52/37	15	6.97	4.982	23.98	PASS
		MCS0	106/53	19	10.98	12.544	23.98	PASS
44	5220	MCS0	full	13	14.41	27.633	23.98	PASS
48	5240	MCS0	full	13	14.35	27.254	23.98	PASS
52	5260	MCS0	full	15.5	16.74	47.254	23.98	PASS
60	5300	MCS0	full	15.5	16.85	48.466	23.98	PASS
64	5320	MCS0	full	15.5	16.66	46.391	23.98	PASS
		MCS0	26/8	18	10.31	10.751	23.98	PASS
		MCS0	52/40	20	13.02	20.065	23.98	PASS
		MCS0	106/54	23	14.75	29.884	23.98	PASS
100	5500	MCS0	full	16	16.73	47.145	23.98	PASS
		MCS0	26/0	18	11.74	14.943	23.98	PASS
		MCS0	52/37	19	13.76	23.792	23.98	PASS
		MCS0	106/53	20	14.65	29.204	23.98	PASS
116	5580	MCS0	full	16	16.67	46.498	23.98	PASS
140	5700	MCS0	full	15	16.26	42.309	23.98	PASS
		MCS0	26/8	16	10.36	10.875	23.98	PASS
		MCS0	52/40	19	13.66	23.251	23.98	PASS
		MCS0	106/54	20	14.75	29.884	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	15.5	15.43	34.940	22.85	PASS
144	5720 (U-NII 3)	MCS0	full	15.5	10.83	12.096	30	PASS
149	5745	MCS0	full	15.5	16.76	47.472	30	PASS
		MCS0	26/0	17	11.64	14.603	30	PASS
		MCS0	52/37	18	13.65	23.197	30	PASS
		MCS0	106/53	19	14.75	29.884	30	PASS
157	5785	MCS0	full	15.5	16.70	46.820	30	PASS
165	5825	MCS0	full	15.5	16.68	46.605	30	PASS
		MCS0	26/8	17	11.75	14.977	30	PASS
		MCS0	52/40	18	13.76	23.792	30	PASS
		MCS0	106/54	19	14.69	29.474	30	PASS

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802.11ax_HE20_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	13	14.7	14.25	17.51	56.364	23.98	PASS
		MCS0	26/0	13	5.67	5.24	8.48	7.047	23.98	PASS
		MCS0	52/37	15	7.29	6.89	10.12	10.280	23.98	PASS
		MCS0	106/53	19	11.35	10.92	14.16	26.062	23.98	PASS
44	5220	MCS0	full	13	14.73	14.28	17.54	56.754	23.98	PASS
48	5240	MCS0	full	13	14.68	14.24	17.49	56.105	23.98	PASS
52	5260	MCS0	full	15	17.1	16.57	19.87	97.051	23.98	PASS
60	5300	MCS0	full	15	17.18	16.64	19.94	98.628	23.98	PASS
64	5320	MCS0	full	15	17.09	16.55	19.85	96.605	23.98	PASS
		MCS0	26/8	18	10.68	10.27	13.50	22.387	23.98	PASS
		MCS0	52/40	20	13.45	12.94	16.23	41.976	23.98	PASS
		MCS0	106/54	23	15.09	14.68	17.91	61.802	23.98	PASS
100	5500	MCS0	full	15.5	17.06	16.55	19.84	96.383	23.98	PASS
		MCS0	26/0	18	12.11	11.73	14.95	31.261	23.98	PASS
		MCS0	52/37	19	14.12	13.65	16.92	49.204	23.98	PASS
		MCS0	106/53	20	14.99	14.59	17.82	60.534	23.98	PASS
116	5580	MCS0	full	15.5	17.03	16.52	19.81	95.719	23.98	PASS
140	5700	MCS0	full	14.5	16.66	16.14	19.43	87.700	23.98	PASS
		MCS0	26/8	16	10.7	10.31	13.53	22.542	23.98	PASS
		MCS0	52/40	19	14.07	13.61	16.87	48.641	23.98	PASS
		MCS0	106/54	20	15.04	14.68	17.89	61.518	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	15	15.77	15.25	18.54	71.437	22.84	PASS
144	5720 (U-NII 3)	MCS0	full	15	11.15	10.64	13.92	24.682	30	PASS
149	5745	MCS0	full	15	17.16	16.63	19.93	98.401	30	PASS
		MCS0	26/0	17	12.05	11.61	14.86	30.620	30	PASS
		MCS0	52/37	18	14.09	13.58	16.87	48.641	30	PASS
		MCS0	106/53	19	15.12	14.68	17.93	62.087	30	PASS
157	5785	MCS0	full	15	17.11	16.56	19.87	97.051	30	PASS
165	5825	MCS0	full	15	16.97	16.52	19.78	95.060	30	PASS
		MCS0	26/8	17	12.08	11.67	14.90	30.903	30	PASS
		MCS0	52/40	18	14.11	13.65	16.91	49.091	30	PASS
		MCS0	106/54	19	15.06	14.61	17.87	61.235	30	PASS

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802.11ax_HE40_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	full	12.5	14.32	27.056	23.98	PASS
		MCS0	242/61	22	12.03	15.968	23.98	PASS
46	5230	MCS0	full	12.5	14.35	27.243	23.98	PASS
54	5270	MCS0	full	15	16.81	48.002	23.98	PASS
62	5310	MCS0	full	15	16.75	47.344	23.98	PASS
		MCS0	242/62	25	14.83	30.427	23.98	PASS
102	5510	MCS0	full	15.5	16.81	48.002	23.98	PASS
		MCS0	242/61	25	14.79	30.148	23.98	PASS
110	5550	MCS0	full	15.5	16.76	48.002	23.98	PASS
134	5670	MCS0	full	15	16.71	46.910	23.98	PASS
		MCS0	242/62	25	14.80	30.218	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	15	16.25	42.130	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	15	7.77	5.982	30	PASS
151	5755	MCS0	full	15	16.87	48.670	30	PASS
		MCS0	242/61	23	14.80	30.218	30	PASS
159	5795	MCS0	full	15	16.75	47.344	30	PASS
		MCS0	242/62	23	14.78	30.079	30	PASS

802.11ax_HE40_Ch1

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	full	13	14.24	26.562	23.98	PASS
		MCS0	242/61	22	11.92	15.569	23.98	PASS
46	5230	MCS0	full	13	14.30	26.932	23.98	PASS
54	5270	MCS0	full	15.5	16.71	46.910	23.98	PASS
62	5310	MCS0	full	15.5	16.69	46.694	23.98	PASS
		MCS0	242/62	25	14.76	29.941	23.98	PASS
102	5510	MCS0	full	16	16.76	47.453	23.98	PASS
		MCS0	242/61	25	14.72	29.666	23.98	PASS
110	5550	MCS0	full	16	16.70	47.453	23.98	PASS
134	5670	MCS0	full	15.5	16.67	46.479	23.98	PASS
		MCS0	242/62	25	14.74	29.803	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	15.5	16.17	41.364	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	15.5	7.77	5.980	30	PASS
151	5755	MCS0	full	15.5	16.77	47.562	30	PASS
		MCS0	242/61	23	14.71	29.598	30	PASS
159	5795	MCS0	full	15.5	16.69	46.694	30	PASS
		MCS0	242/62	23	14.73	29.735	30	PASS

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802.11ax_HE40_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	12.5	14.63	14.09	17.39	54.828	23.98	PASS
		MCS0	242/61	23	12.32	11.89	15.13	32.584	23.98	PASS
46	5230	MCS0	full	13	14.67	14.14	17.44	55.463	23.98	PASS
54	5270	MCS0	full	15	17.1	16.58	19.87	97.051	23.98	PASS
62	5310	MCS0	full	15	17.05	16.52	19.82	95.940	23.98	PASS
		MCS0	242/62	26	15.13	14.65	17.92	61.944	23.98	PASS
102	5510	MCS0	full	15.5	17.07	16.54	19.84	96.383	23.98	PASS
		MCS0	242/61	26	15.12	14.63	17.90	61.660	23.98	PASS
110	5550	MCS0	full	15.5	17.04	16.5	19.80	96.383	23.98	PASS
134	5670	MCS0	full	15.5	17.08	16.51	19.83	96.161	23.98	PASS
		MCS0	242/62	26	15.05	14.68	17.89	61.518	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	15.5	16.53	16.01	19.30	85.144	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	15.5	8.06	7.61	10.86	12.193	30	PASS
151	5755	MCS0	full	15.5	17.15	16.64	19.93	98.401	30	PASS
		MCS0	242/61	24	15.14	14.53	17.87	61.235	30	PASS
159	5795	MCS0	full	15.5	17.06	16.53	19.83	96.161	30	PASS
		MCS0	242/62	24	15.1	14.6	17.88	61.376	30	PASS

802.11ax_HE80_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	full	12.5	14.37	27.369	23.98	PASS
		MCS0	484/65	27	13.79	23.948	23.98	PASS
58	5290	MCS0	full	14	15.83	38.306	23.98	PASS
		MCS0	484/66	26	14.80	30.218	23.98	PASS
106	5530	MCS0	full	13.5	14.82	30.357	23.98	PASS
		MCS0	484/65	28	14.81	30.287	23.98	PASS
122	5610	MCS0	full	15.5	16.76	47.453	23.98	PASS
		MCS0	484/66	26	14.71	29.598	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	15	16.49	44.542	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	15	5.39	3.460	30	PASS
155	5775	MCS0	full	15	16.87	48.670	30	PASS
		MCS0	484/65	28	14.80	30.218	30	PASS
		MCS0	484/66	26	14.75	29.872	30	PASS

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802.11ax_HE80_Ch1

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	full	13	14.31	26.994	23.98	PASS
		MCS0	484/65	27	13.72	23.565	23.98	PASS
58	5290	MCS0	full	14.5	15.71	37.262	23.98	PASS
		MCS0	484/66	26	14.72	29.666	23.98	PASS
106	5530	MCS0	full	14	14.73	29.735	23.98	PASS
		MCS0	484/65	28	14.71	29.598	23.98	PASS
122	5610	MCS0	full	16	16.67	46.479	23.98	PASS
		MCS0	484/66	26	14.64	29.125	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	15.5	16.42	43.807	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	15.5	4.92	3.102	30	PASS
155	5775	MCS0	full	15.5	16.79	47.782	30	PASS
		MCS0	484/65	28	14.73	29.735	30	PASS
		MCS0	484/66	26	14.66	29.259	30	PASS

802.11ax_HE80_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	13	14.66	14.15	17.44	55.463	23.98	PASS
		MCS0	484/65	26	14.06	13.67	16.89	48.865	23.98	PASS
58	5290	MCS0	full	14	16.13	15.64	18.91	77.804	23.98	PASS
		MCS0	484/66	26	15.07	14.68	17.90	61.660	23.98	PASS
106	5530	MCS0	full	13.5	15.12	14.63	17.90	61.660	23.98	PASS
		MCS0	484/65	26	15.12	14.69	17.93	62.087	23.98	PASS
122	5610	MCS0	full	15.5	17.04	16.53	19.82	95.940	23.98	PASS
		MCS0	484/66	27	14.99	14.59	17.82	60.534	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	15.5	16.79	16.30	19.57	90.594	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	15.5	5.69	4.80	8.29	6.743	30	PASS
155	5775	MCS0	full	15.5	17.16	16.66	19.94	98.628	30	PASS
		MCS0	484/65	26	15.07	14.65	17.89	61.518	30	PASS
		MCS0	484/66	27	15.03	14.62	17.85	60.954	30	PASS

802.11ax_HE160_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	full	14	15.32	34.061	23.98	PASS
		MCS0	996/67	30	14.73	29.735	23.98	PASS
		MCS0	996/S67	30	14.76	29.941	23.98	PASS
114	5570	MCS0	full	13.5	14.79	30.148	23.98	PASS
		MCS0	996/67	29	14.81	30.287	23.98	PASS
		MCS0	996/S67	29	14.80	30.218	23.98	PASS

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802.11ax_HE160_Ch1

CH	Frequency (MHz)	Data Rate	RU config.	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	full	14.5	15.21	33.209	23.98	PASS
		MCS0	996/67	30	14.67	29.327	23.98	PASS
		MCS0	996/S67	30	14.64	29.125	23.98	PASS
114	5570	MCS0	full	14	14.71	29.598	23.98	PASS
		MCS0	996/67	29	14.72	29.666	23.98	PASS
		MCS0	996/S67	29	14.74	29.803	23.98	PASS

802.11ax_HE160_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
50	5250	MCS0	full	14	15.63	15.18	18.43	69.663	23.98	PASS
		MCS0	996/67	30	14.98	14.58	17.81	60.395	23.98	PASS
		MCS0	996/S67	30	14.96	14.63	17.82	60.534	23.98	PASS
114	5570	MCS0	full	13.5	15.08	14.57	17.86	61.094	23.98	PASS
		MCS0	996/67	29	15.11	14.64	17.90	61.660	23.98	PASS
		MCS0	996/S67	29	15.08	14.6	17.87	61.235	23.98	PASS

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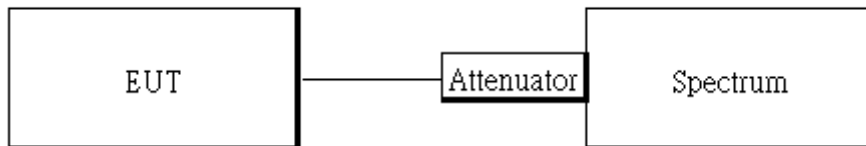
10 MAXIMUM POWER SPECTRAL DENSITY

10.1 Standard Applicable

Operation Bands	EUT CATEGORY		e-CRF Title 47 §15.407 Power Spectral Density	Antenna Directional Gain Requirements
U-NII-1		Outdoor Access Point (Master)	1. 17dBm/ MHz 2. EIRP<=125mW(21dBm) at any elevation angle > 30°	6dBi
		Indoor Access Point (Master)	17dBm / MHz	6dBi
		Fixed point-to-point Access Point	17dBm / MHz	23dBi
	V	Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C	V	All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
U-NII-4		Indoor AP	20dBm / MHz e.i.r.p.	Not required
		indoor client	14dBm / MHz e.i.r.p.	Not required
		subordinate device	20dBm / MHz e.i.r.p.	Not required

If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.

10.2 Test Setup



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10.3 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. **For U-NII1, U-NII-2A, U-NII-2C Band:**
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
For U-NII-3 Band:
Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.
In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result.
5. Use the cursor on spectrum to peak search the highest level of trace
6. Record the max. reading and add 10 log(1/duty cycle).
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.

Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

g_{j,k} = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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10.4 Measurement Result

POWER DENSITY 802.11a MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	1.307	1.240	0.00	4.28		11.00 dBm/MHz	-6.72
5220	1.202	1.216	0.00	4.22		11.00 dBm/MHz	-6.78
5240	1.401	1.441	0.00	4.43		11.00 dBm/MHz	-6.57
5260	4.538	4.733	0.00	7.65		11.00 dBm/MHz	-3.35
5300	4.266	4.156	0.00	7.22		11.00 dBm/MHz	-3.78
5320	4.715	4.402	0.00	7.57		11.00 dBm/MHz	-3.43
5500	4.511	4.433	0.00	7.48		11.00 dBm/MHz	-3.52
5580	4.726	5.096	0.00	7.93		11.00 dBm/MHz	-3.07
5700	4.414	4.976	0.00	7.71		11.00 dBm/MHz	-3.29
5720 (U-NII 2C)	4.422	4.604	0.00	7.52		11.00 dBm/MHz	-3.48
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-0.910	-0.773	0.00	2.22	4.39	30.00 dBm/500kHz	-25.61
5745	-0.253	-0.174	0.00	2.22	5.02	30.00 dBm/500kHz	-24.98
5785	-0.319	0.329	0.00	2.22	5.25	30.00 dBm/500kHz	-24.75
5825	-0.725	0.236	0.00	2.22	5.01	30.00 dBm/500kHz	-24.99
POWER DENSITY 802.11n HT20 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	1.381	1.020	0.00	4.21		11.00 dBm/MHz	-6.79
5220	1.551	1.435	0.00	4.50		11.00 dBm/MHz	-6.50
5240	1.563	1.462	0.00	4.52		11.00 dBm/MHz	-6.48
5260	3.966	4.145	0.00	7.07		11.00 dBm/MHz	-3.93
5300	3.880	3.900	0.00	6.90		11.00 dBm/MHz	-4.10
5320	4.021	3.866	0.00	6.95		11.00 dBm/MHz	-4.05
5500	4.196	4.256	0.00	7.24		11.00 dBm/MHz	-3.76
5580	4.206	4.749	0.00	7.50		11.00 dBm/MHz	-3.50
5700	3.974	4.146	0.00	7.07		11.00 dBm/MHz	-3.93
5720 (U-NII 2C)	4.083	4.015	0.00	7.06		11.00 dBm/MHz	-3.94
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-1.180	-1.308	0.00	2.22	3.99	30.00 dBm/500kHz	-26.01
5745	-1.018	-0.434	0.00	2.22	4.51	30.00 dBm/500kHz	-25.49
5785	-0.878	0.242	0.00	2.22	4.95	30.00 dBm/500kHz	-25.05
5825	-1.205	-1.168	0.00	2.22	4.04	30.00 dBm/500kHz	-25.96

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POWER DENSITY 802.11n HT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	-0.769	-1.000	0.00	2.13		11.00 dBm/MHz	-8.87
5230	-0.845	-0.676	0.00	2.25		11.00 dBm/MHz	-8.75
5270	1.563	1.453	0.00	4.52		11.00 dBm/MHz	-6.48
5310	1.494	1.405	0.00	4.46		11.00 dBm/MHz	-6.54
5510	1.425	1.529	0.00	4.49		11.00 dBm/MHz	-6.51
5550	1.715	1.967	0.00	4.85		11.00 dBm/MHz	-6.15
5670	1.256	1.873	0.00	4.59		11.00 dBm/MHz	-6.41
5710 (U-NII 2C)	1.591	1.448	0.00	4.53		11.00 dBm/MHz	-6.47
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-4.416	-4.745	0.00	2.22	0.65	30.00 dBm/500kHz	-29.35
5755	-3.367	-3.203	0.00	2.22	1.95	30.00 dBm/500kHz	-28.05
5795	-3.400	-3.121	0.00	2.22	1.97	30.00 dBm/500kHz	-28.03
POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-4.504	-4.606	0.00	-1.54		11.00 dBm/MHz	-12.54
5290	-1.634	-1.710	0.00	1.34		11.00 dBm/MHz	-9.66
5530	-0.811	-1.118	0.00	2.05		11.00 dBm/MHz	-8.95
5610	-0.987	-0.703	0.00	2.17		11.00 dBm/MHz	-8.83
5690 (U-NII 2C)	-1.685	-1.437	0.00	1.45		11.00 dBm/MHz	-9.55
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	-8.275	-8.554	0.00	2.22	-3.18	30.00 dBm/500kHz	-33.18
5775	-6.592	-6.071	0.00	2.22	-1.09	30.00 dBm/500kHz	-31.09
POWER DENSITY 802.11ac VHT160 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5250	-4.261	-4.053	0.00	-1.15		11.00 dBm/MHz	-12.15
5570	-3.930	-3.582	0.00	-0.74		11.00 dBm/MHz	-11.74

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POWER DENSITY 802.11ax HE20 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	1.590	1.595	0.00	4.60		11.00 dBm/MHz	-6.40
	26/0	1.360	1.295	0.00	4.34		11.00 dBm/MHz	-6.66
	52/37	1.311	0.887	0.00	4.11		11.00 dBm/MHz	-6.89
	106/53	1.673	1.290	0.00	4.50		11.00 dBm/MHz	-6.50
5220	full	1.475	1.538	0.00	4.52		11.00 dBm/MHz	-6.48
5240	full	1.451	1.417	0.00	4.44		11.00 dBm/MHz	-6.56
5260	full	4.120	4.096	0.00	7.12		11.00 dBm/MHz	-3.88
5300	full	4.011	3.966	0.00	7.00		11.00 dBm/MHz	-4.00
5320	full	4.570	3.981	0.00	7.30		11.00 dBm/MHz	-3.70
	26/8	7.659	7.160	0.00	10.43		11.00 dBm/MHz	-0.57
	52/40	7.204	7.195	0.00	10.21		11.00 dBm/MHz	-0.79
	106/54	6.429	6.706	0.00	9.58		11.00 dBm/MHz	-1.42
5500	full	4.580	4.553	0.00	7.58		11.00 dBm/MHz	-3.42
	26/0	7.674	7.440	0.00	10.57		11.00 dBm/MHz	-0.43
	52/37	7.949	7.633	0.00	10.80		11.00 dBm/MHz	-0.20
	106/53	4.636	5.237	0.00	7.96		11.00 dBm/MHz	-3.04
5580	full	4.997	5.420	0.00	8.22		11.00 dBm/MHz	-2.78
5700	full	4.450	4.450	0.00	7.46		11.00 dBm/MHz	-3.54
	26/8	7.267	7.934	0.00	10.62		11.00 dBm/MHz	-0.38
	52/40	7.958	7.694	0.00	10.84		11.00 dBm/MHz	-0.16
	106/54	5.763	5.667	0.00	8.73		11.00 dBm/MHz	-2.27
5720 (U-NII 2C)	full	4.338	4.542	0.00	7.45		11.00 dBm/MHz	-3.55
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-1.393	-1.267	0.00	2.22	3.90	30.00 dBm/500kHz	-26.10
5745	full	-0.821	-0.582	0.00	2.22	4.53	30.00 dBm/500kHz	-25.47
	26/0	3.248	4.967	0.00	2.22	9.42	30.00 dBm/500kHz	-20.58
	52/37	4.111	4.189	0.00	2.22	9.38	30.00 dBm/500kHz	-20.62
	106/53	-0.112	1.036	0.00	2.22	5.73	30.00 dBm/500kHz	-24.27
5785	full	-0.940	-0.149	0.00	2.22	4.70	30.00 dBm/500kHz	-25.30
5825	full	-0.320	-0.536	0.00	2.22	4.80	30.00 dBm/500kHz	-25.20
	26/8	4.417	4.756	0.00	2.22	9.82	30.00 dBm/500kHz	-20.18
	52/40	3.534	2.483	0.00	2.22	8.27	30.00 dBm/500kHz	-21.73
	106/54	0.632	-0.227	0.00	2.22	5.45	30.00 dBm/500kHz	-24.55

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POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	-1.153	-1.238	0.00	1.82		11.00 dBm/MHz	-9.18
	242/61	0.740	0.525	0.00	3.64		11.00 dBm/MHz	-7.36
5230	full	-0.726	-1.139	0.00	2.08		11.00 dBm/MHz	-8.92
5270	full	1.073	1.141	0.00	4.12		11.00 dBm/MHz	-6.88
5310	full	1.151	1.143	0.00	4.16		11.00 dBm/MHz	-6.84
	242/62	3.607	4.644	0.00	7.17		11.00 dBm/MHz	-3.83
5510	full	2.058	1.960	0.00	5.02		11.00 dBm/MHz	-5.98
	242/61	3.735	3.996	0.00	6.88		11.00 dBm/MHz	-4.12
5550	full	2.123	2.285	0.00	5.22		11.00 dBm/MHz	-5.78
5670	full	1.814	2.286	0.00	5.07		11.00 dBm/MHz	-5.93
	242/62	6.609	6.545	0.00	9.59		11.00 dBm/MHz	-1.41
5710 (U-NII 2C)	full	2.111	2.259	0.00	5.20		11.00 dBm/MHz	-5.80
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-4.175	-4.075	0.00	2.22	1.11	30.00 dBm/500kHz	-28.89
5755	full	-3.308	-2.602	0.00	2.22	2.29	30.00 dBm/500kHz	-27.71
	242/61	-1.036	-0.976	0.00	2.22	4.22	30.00 dBm/500kHz	-25.78
5795	full	-3.047	-2.751	0.00	2.22	2.33	30.00 dBm/500kHz	-27.67
	242/62	1.011	0.662	0.00	2.22	6.07	30.00 dBm/500kHz	-23.93
POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-3.937	-3.680	0.00	-0.80		11.00 dBm/MHz	-11.80
	484/65	-3.210	-2.822	0.00	0.00		11.00 dBm/MHz	-11.00
5290	full	-1.632	-1.703	0.00	1.34		11.00 dBm/MHz	-9.66
	484/66	-1.451	-1.900	0.00	1.34		11.00 dBm/MHz	-9.66
5530	full	-0.520	-0.399	0.00	2.55		11.00 dBm/MHz	-8.45
	484/65	1.083	1.692	0.00	4.41		11.00 dBm/MHz	-6.59
5610	full	-1.290	-0.939	0.00	1.90		11.00 dBm/MHz	-9.10
	484/66	1.722	1.226	0.00	4.49		11.00 dBm/MHz	-6.51
5690 (U-NII 2C)	full	-0.845	-0.614	0.00	2.28		11.00 dBm/MHz	-8.72
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	full	-7.889	-7.602	0.00	2.22	-2.51	30.00 dBm/500kHz	-32.51
5775	full	-5.986	-5.075	0.00	2.22	-0.28	30.00 dBm/500kHz	-30.28
	484/65	-2.825	-3.033	0.00	2.22	2.30	30.00 dBm/500kHz	-27.70
	484/66	-3.442	-2.817	0.00	2.22	2.11	30.00 dBm/500kHz	-27.89

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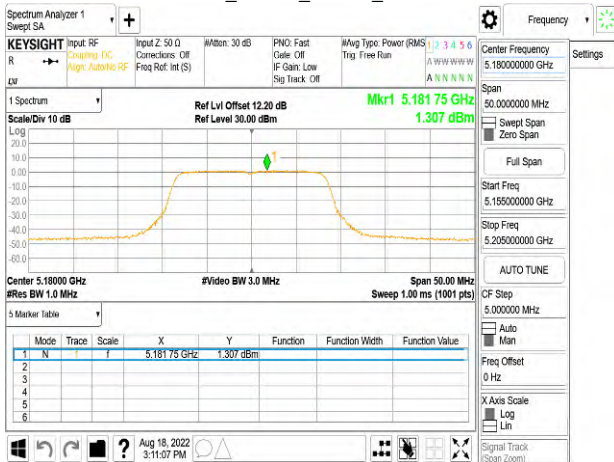
POWER DENSITY 802.11ax HE160 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5250	full	-1.648	-1.285	0.00	1.55	11.00 dBm/MHz	-9.45
	996/67	-3.657	-3.140	0.00	-0.38	11.00 dBm/MHz	-11.38
	996/S67	-2.484	-3.078	0.00	0.24	11.00 dBm/MHz	-10.76
5570	full	-1.241	-1.120	0.00	1.83	11.00 dBm/MHz	-9.17
	996/67	-1.956	-1.887	0.00	1.09	11.00 dBm/MHz	-9.91
	996/S67	-1.318	-1.770	0.00	1.47	11.00 dBm/MHz	-9.53

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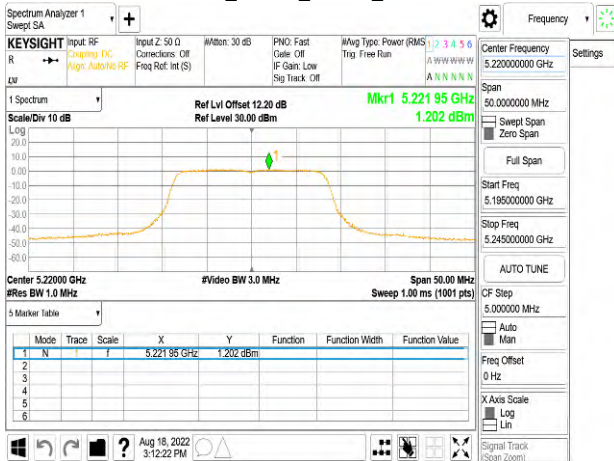
802.11a_20MHz_Chain0_5180MHz



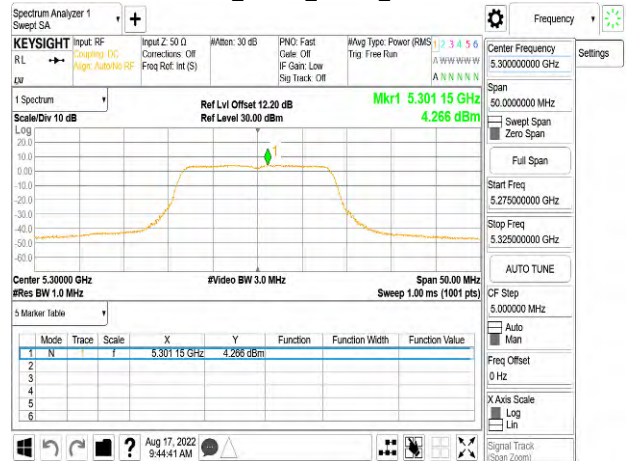
802.11a_20MHz_Chain0_5260MHz



802.11a_20MHz_Chain0_5220MHz



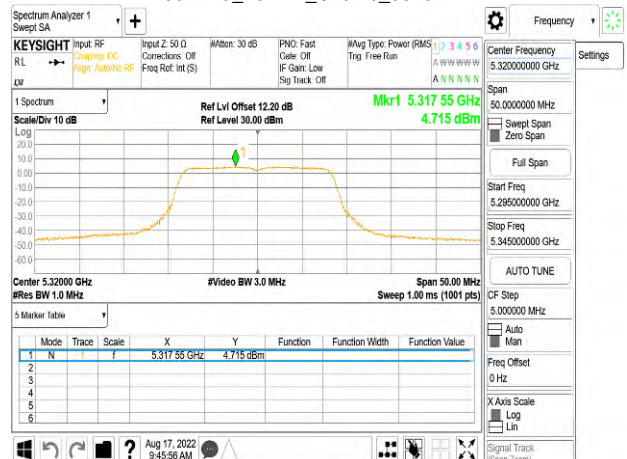
802.11a_20MHz_Chain0_5300MHz



802.11a_20MHz_Chain0_5240MHz



802.11a_20MHz_Chain0_5320MHz

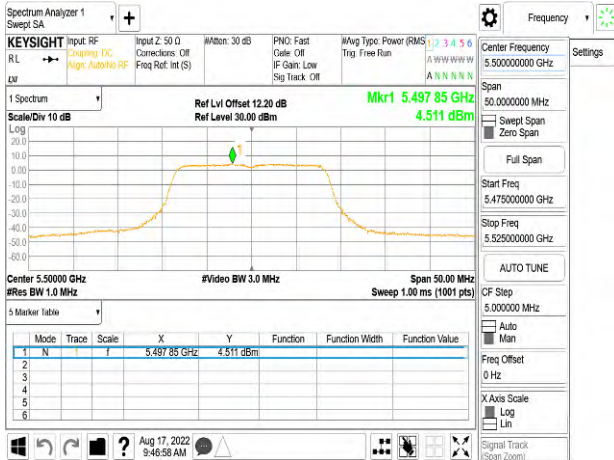


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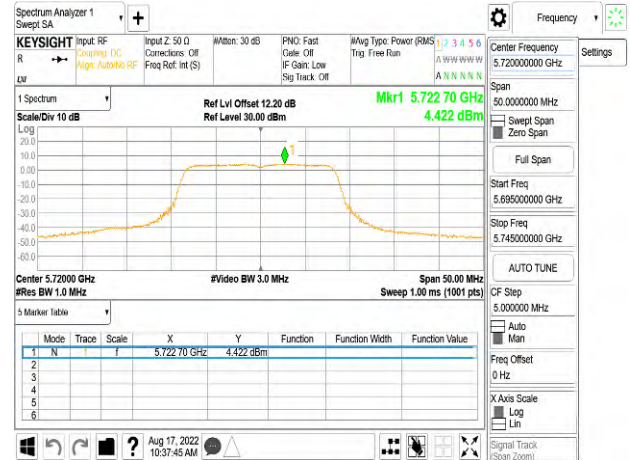
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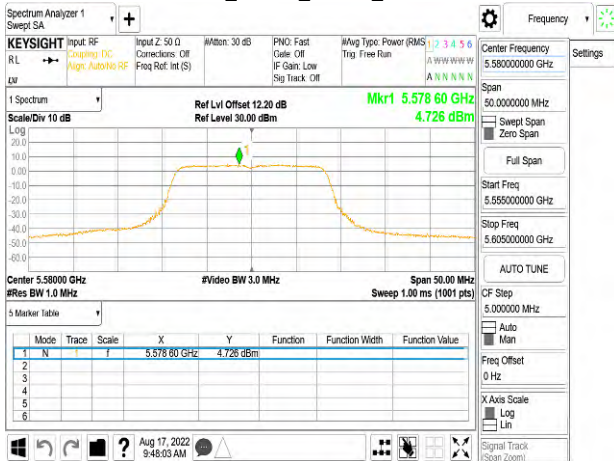
802.11a_20MHz_Chain0_5500MHz



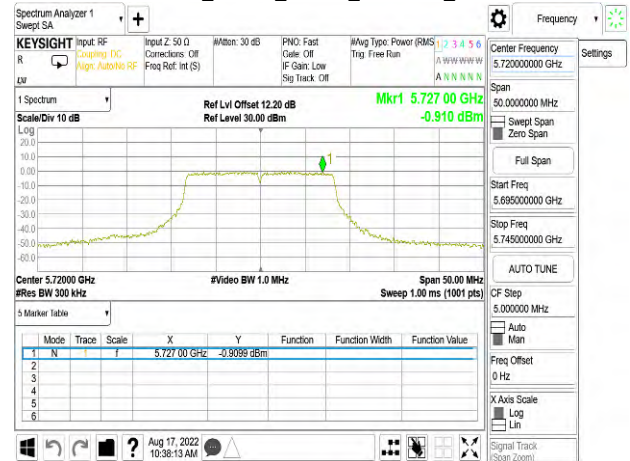
802.11a_20MHz_Chain0_5720MHz_UNII_2C



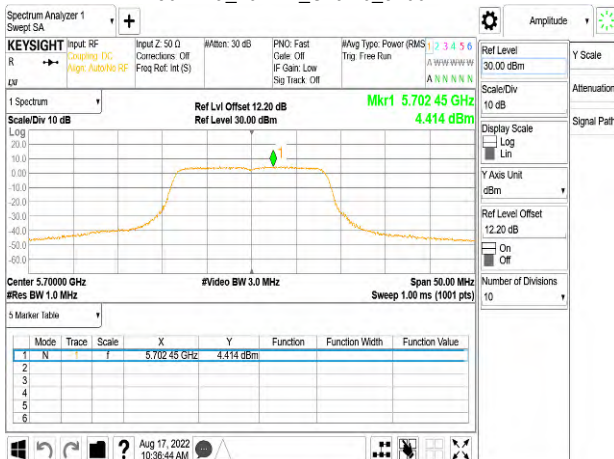
802.11a_20MHz_Chain0_5580MHz



802.11a_20MHz_Chain0_5720MHz_UNII_3



802.11a_20MHz_Chain0_5700MHz



802.11a_20MHz_Chain0_5745MHz

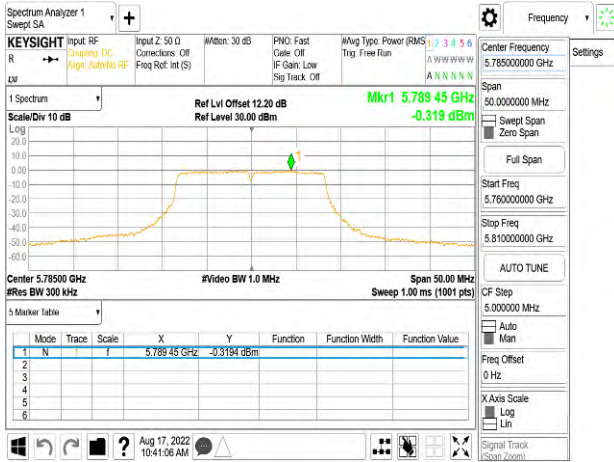


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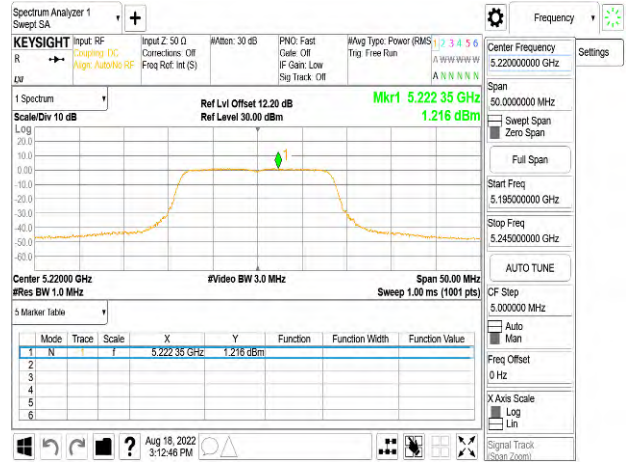
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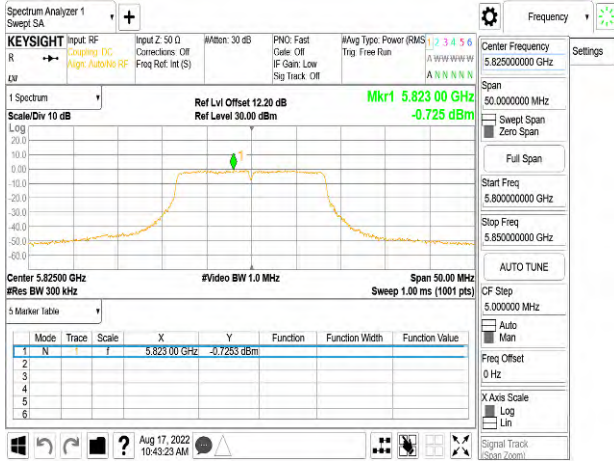
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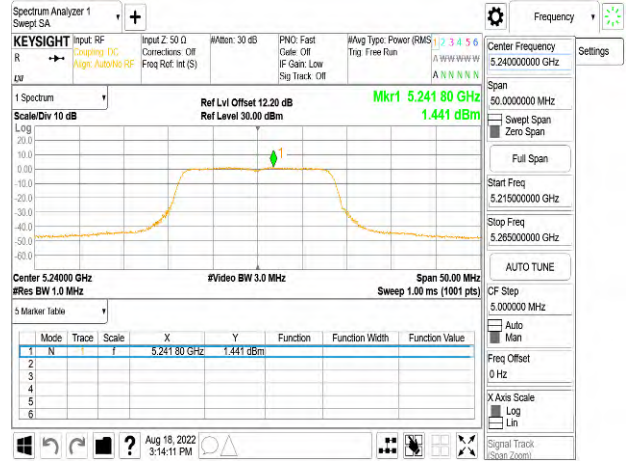
802.11a_20MHz_Chain1_5220MHz



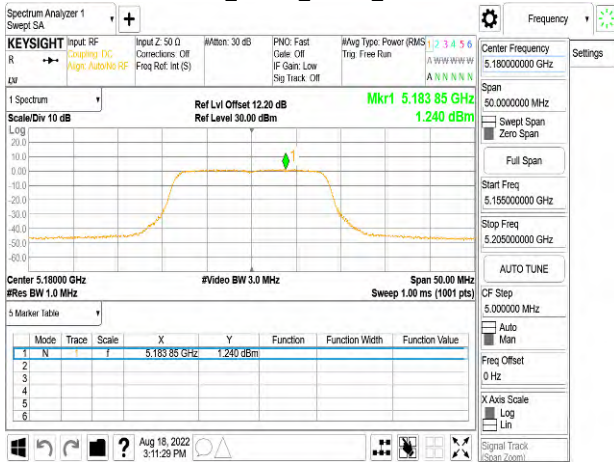
802.11a_20MHz_Chain0_5825MHz



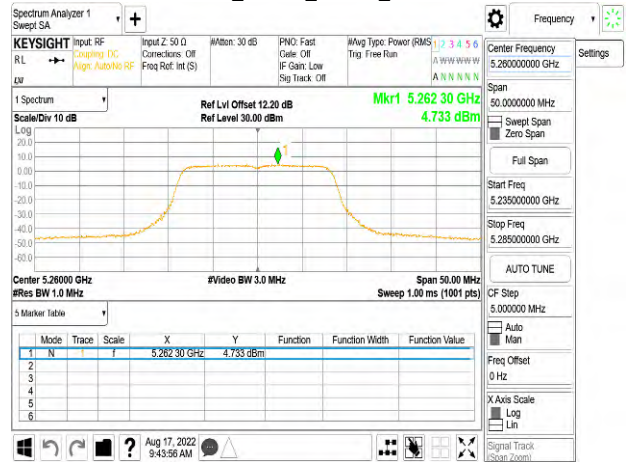
802.11a_20MHz_Chain1_5240MHz



802.11a_20MHz_Chain1_5180MHz



802.11a_20MHz_Chain1_5260MHz

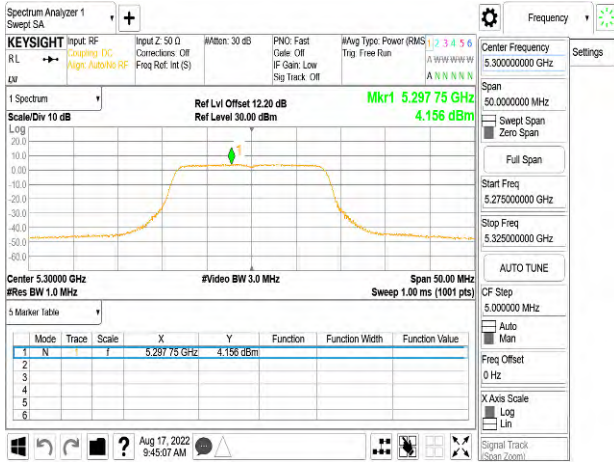


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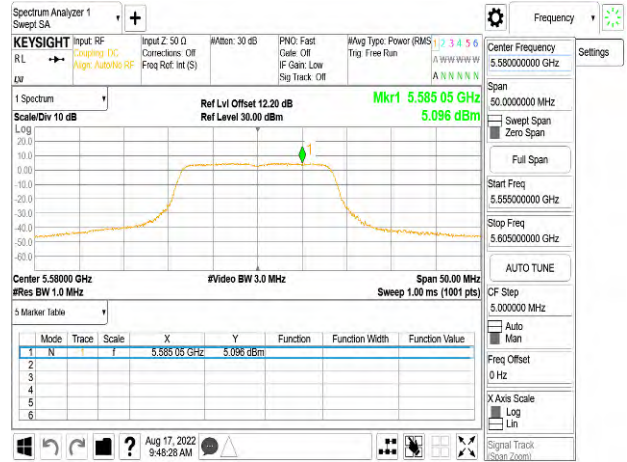
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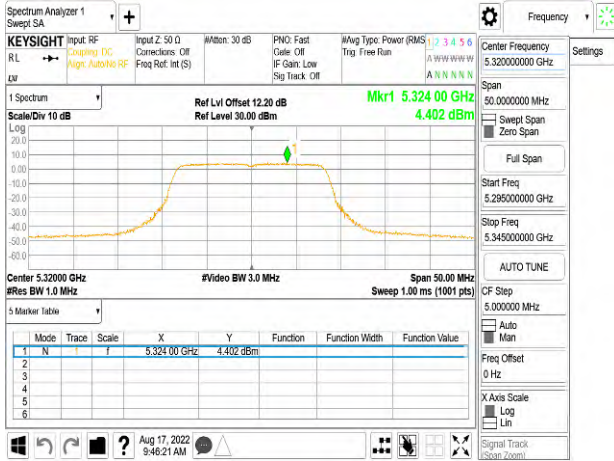
802.11a_20MHz_Chain1_5300MHz



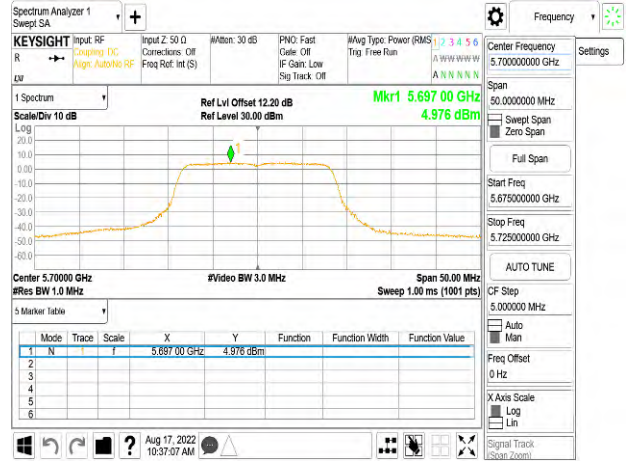
802.11a_20MHz_Chain1_5580MHz



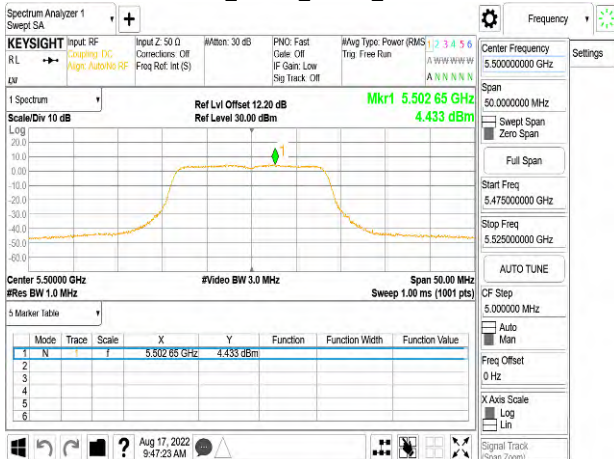
802.11a_20MHz_Chain1_5320MHz



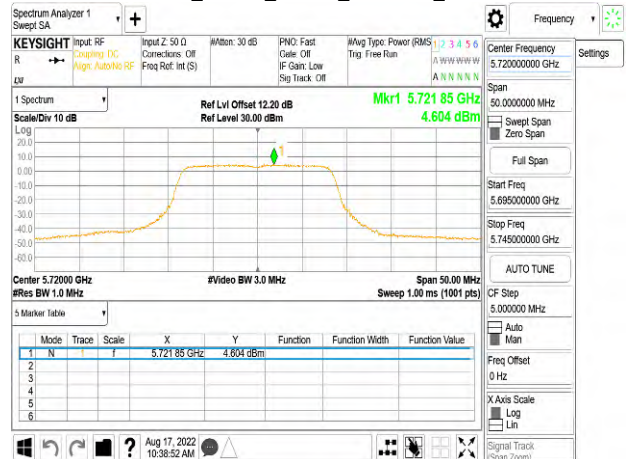
802.11a_20MHz_Chain1_5700MHz



802.11a_20MHz_Chain1_5500MHz



802.11a_20MHz_Chain1_5720MHz_UNII 2C

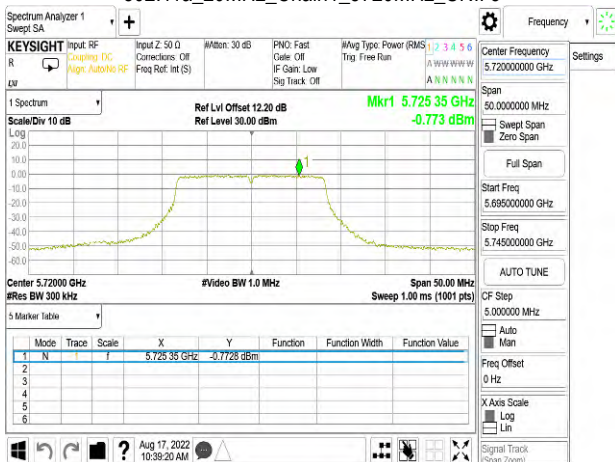


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802.11a_20MHz_Chain1_5720MHz_UNI1 3



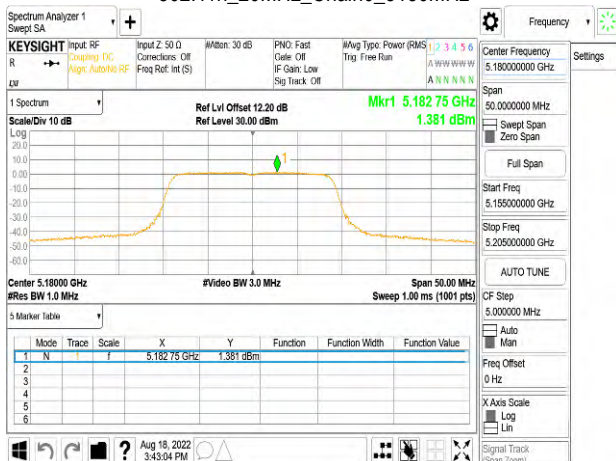
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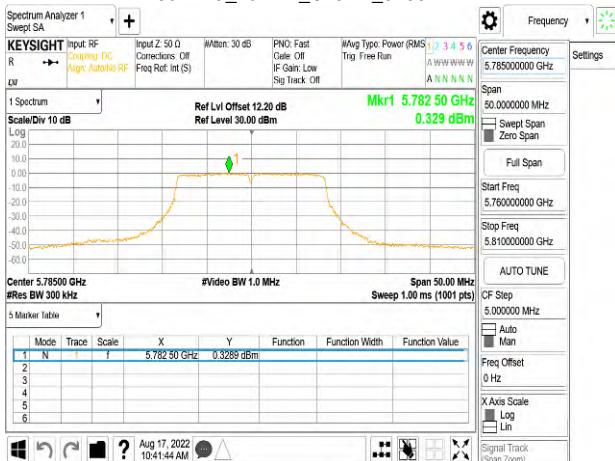
802.11a_20MHz_Chain1_5745MHz



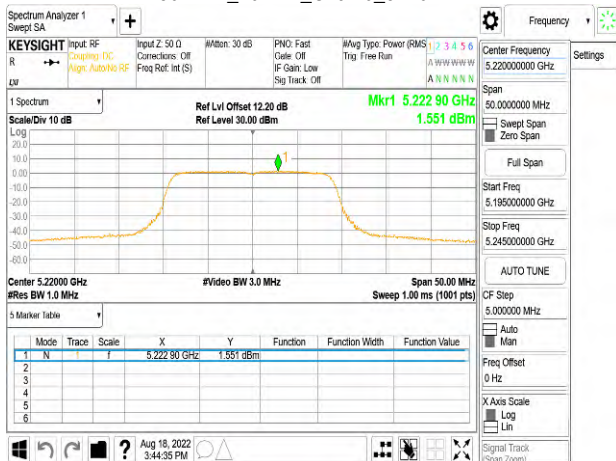
802.11n_20MHz_Chain0_5180MHz



802.11a_20MHz_Chain1_5785MHz



802.11n_20MHz_Chain0_5220MHz

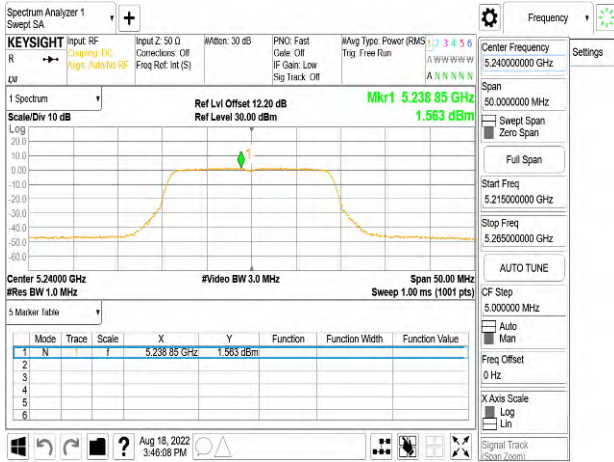


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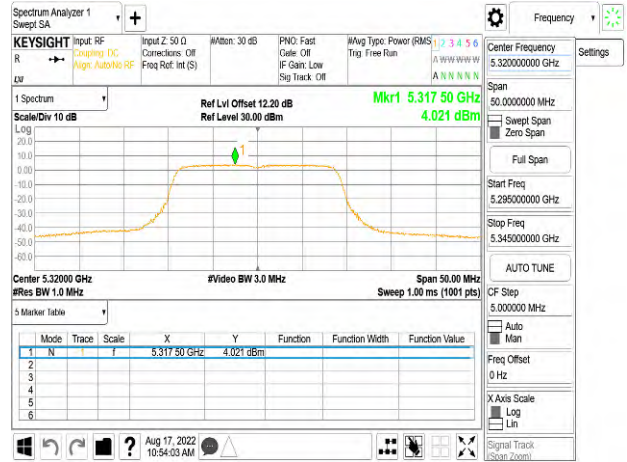
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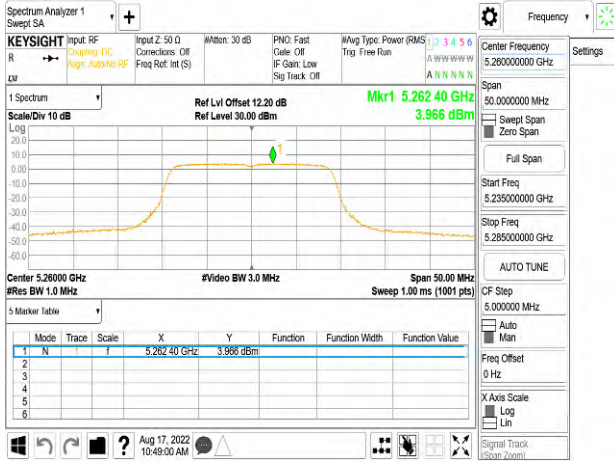
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802.11n_20MHz_Chain0_5320MHz



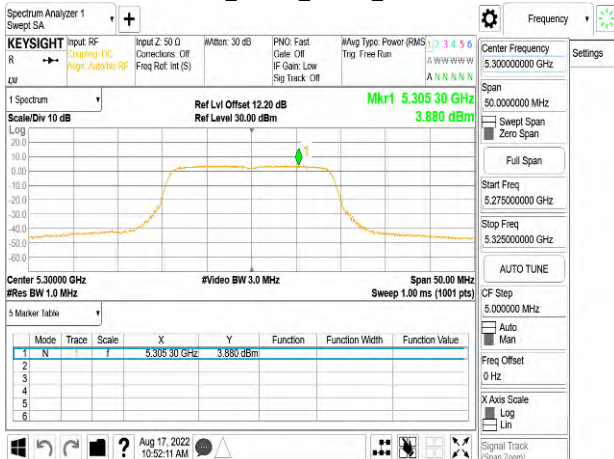
802.11n_20MHz_Chain0_5260MHz



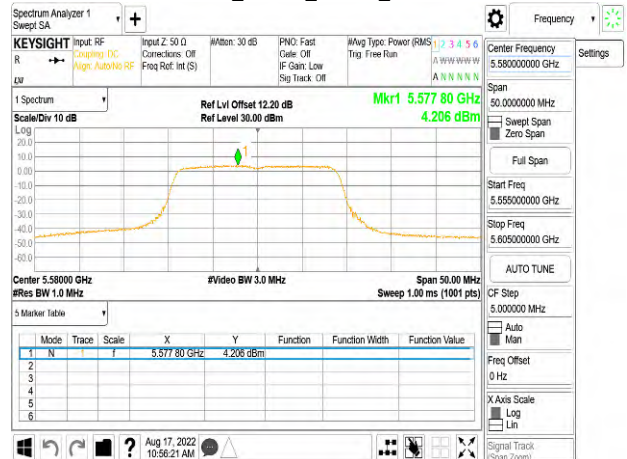
802.11n_20MHz_Chain0_5500MHz



802.11n_20MHz_Chain0_5300MHz



802.11n_20MHz_Chain0_5580MHz



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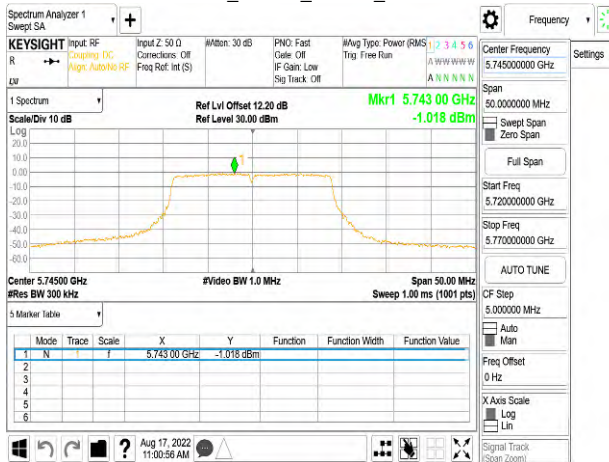
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802.11n_20MHz_Chain0_5700MHz



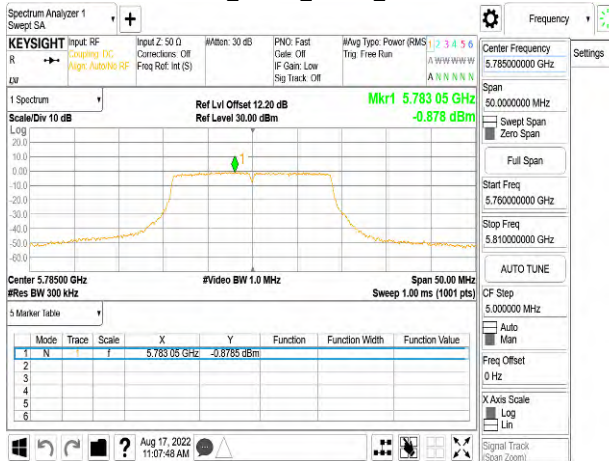
802.11n_20MHz_Chain0_5745MHz



802.11n_20MHz_Chain0_5720MHz_UNII 2C



802.11n_20MHz_Chain0_5785MHz



802.11n_20MHz_Chain0_5720MHz_UNII 3



802.11n_20MHz_Chain0_5825MHz

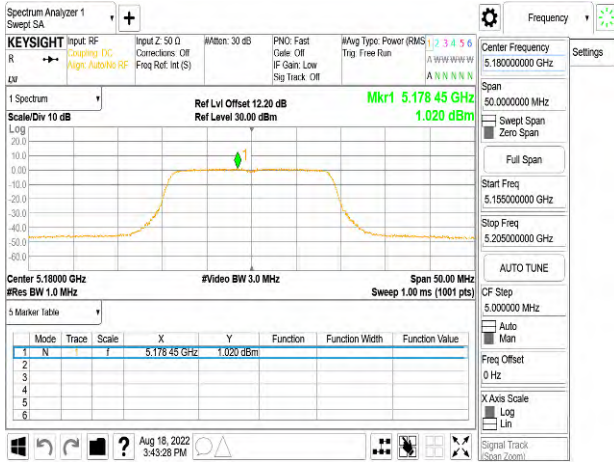


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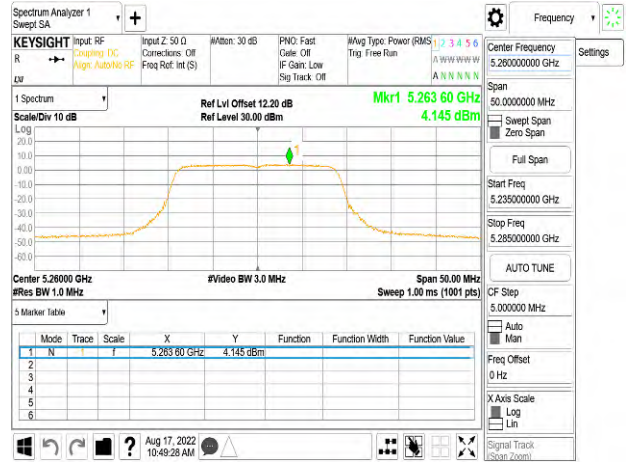
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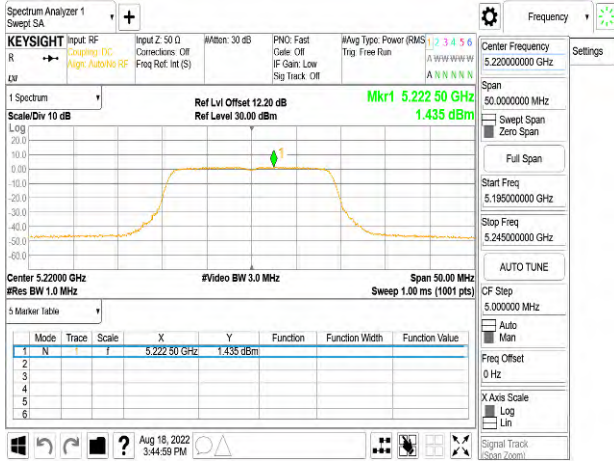
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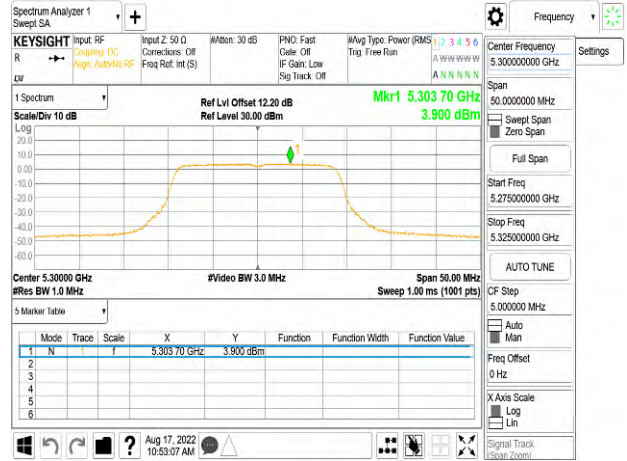
802.11n_20MHz_Chain1_5260MHz



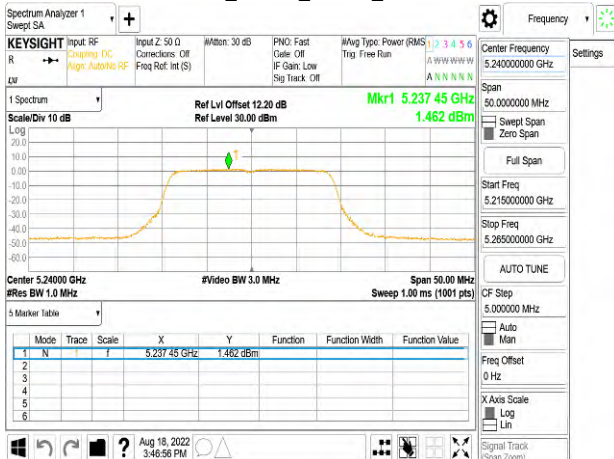
802.11n_20MHz_Chain1_5220MHz



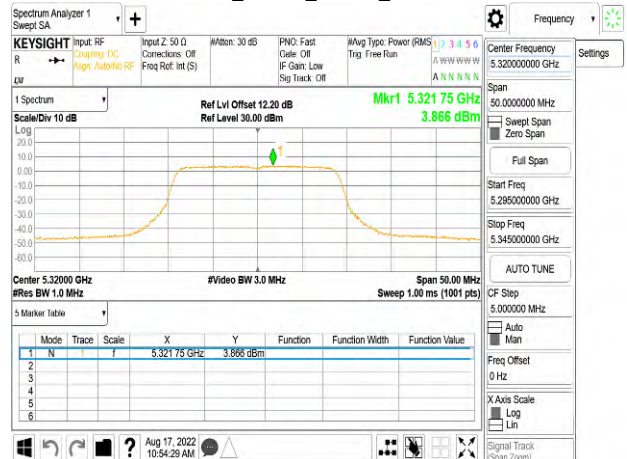
802.11n_20MHz_Chain1_5300MHz



802.11n_20MHz_Chain1_5240MHz



802.11n_20MHz_Chain1_5320MHz

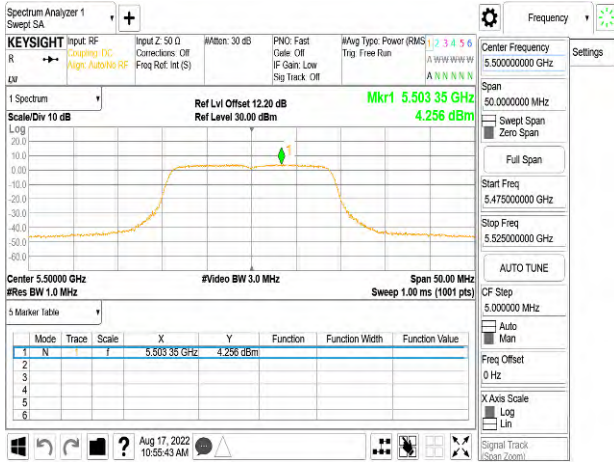


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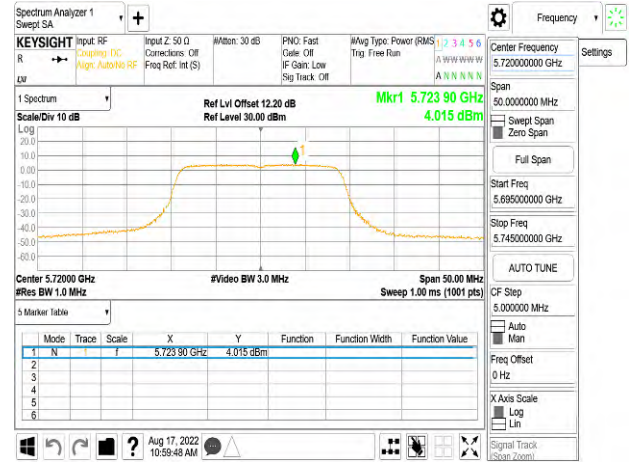
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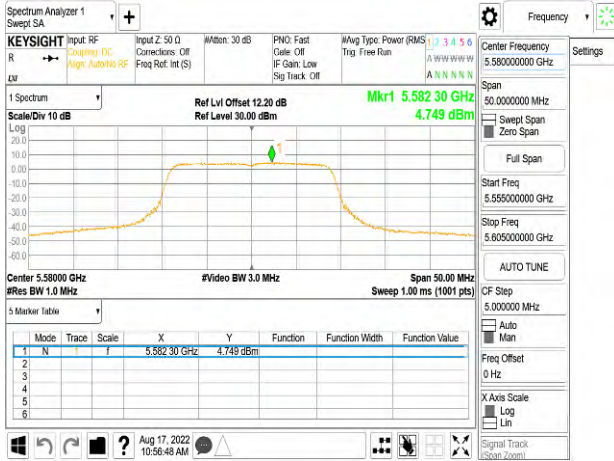
802.11n_20MHz_Chain1_5500MHz



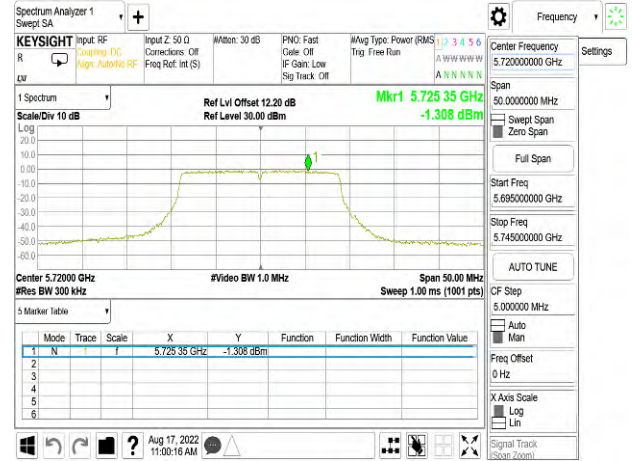
802.11n_20MHz_Chain1_5720MHz_UNII_2C



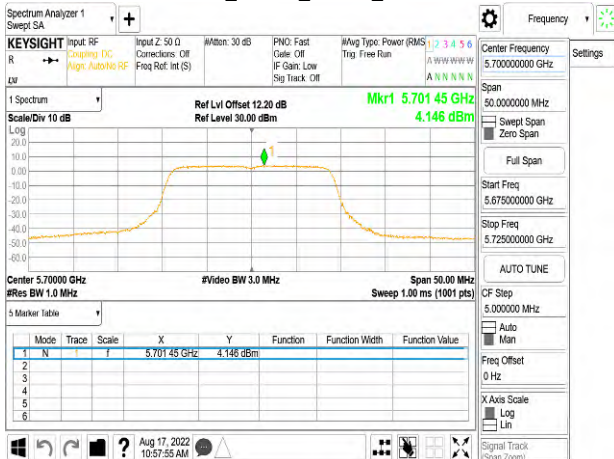
802.11n_20MHz_Chain1_5580MHz



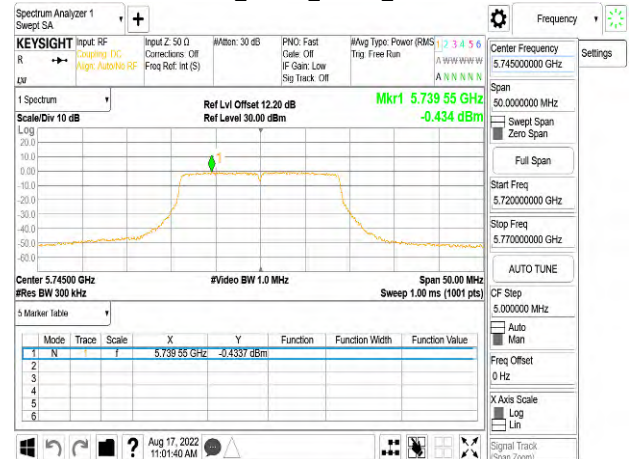
802.11n_20MHz_Chain1_5720MHz_UNII_3



802.11n_20MHz_Chain1_5700MHz



802.11n_20MHz_Chain1_5745MHz



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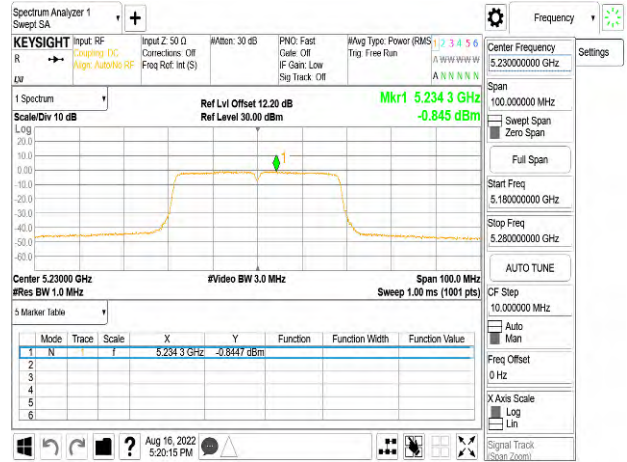
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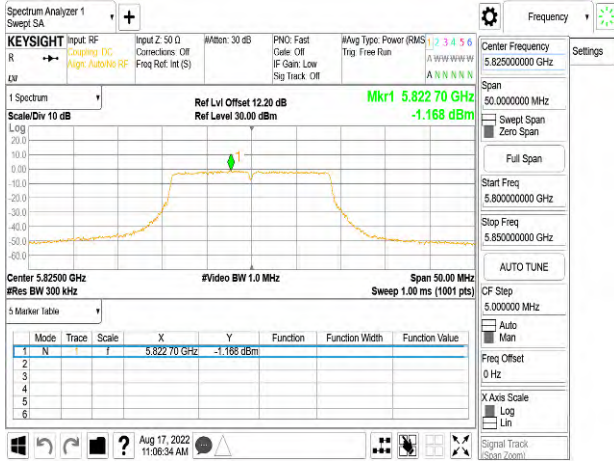
802.11n_20MHz_Chain1_5785MHz



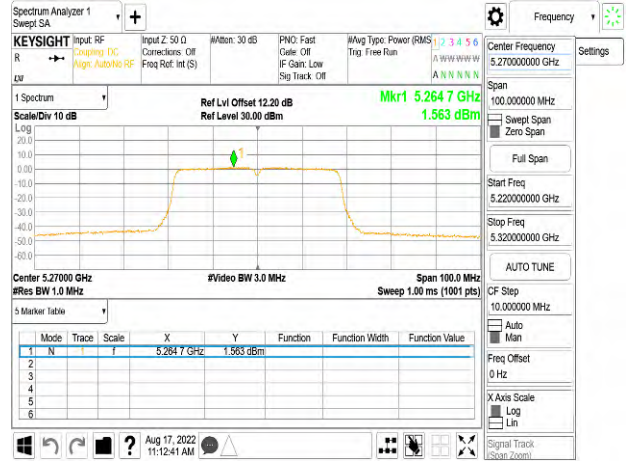
802.11n_40MHz_Chain0_5230MHz



802.11n_20MHz_Chain1_5825MHz



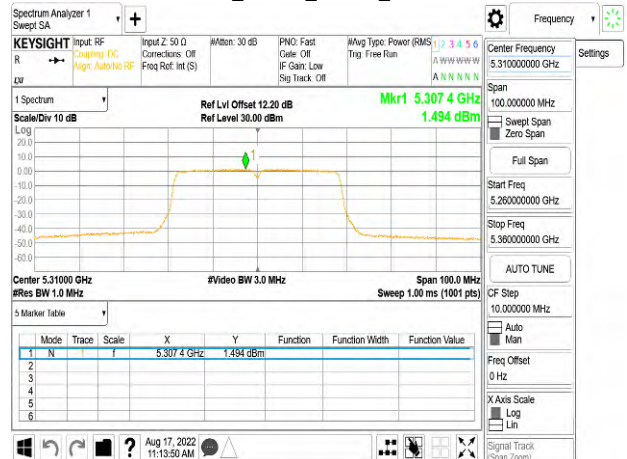
802.11n_40MHz_Chain0_5270MHz



802.11n_40MHz_Chain0_5190MHz



802.11n_40MHz_Chain0_5310MHz

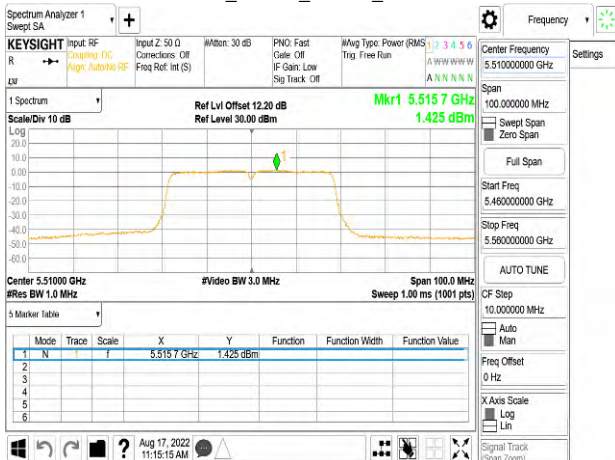


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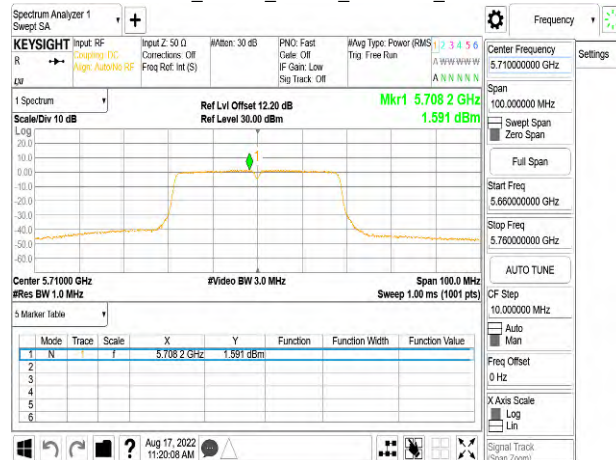
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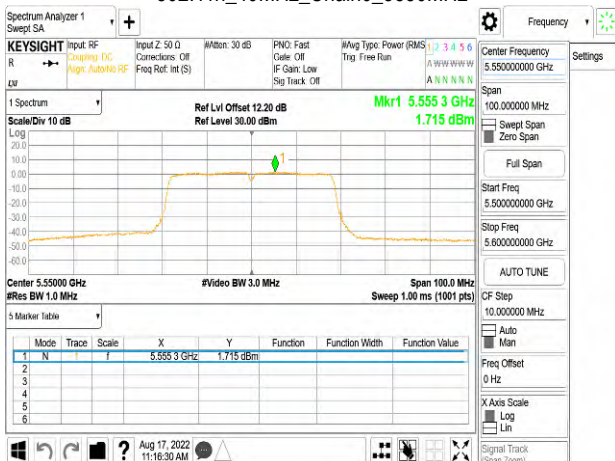
802.11n_40MHz_Chain0_5510MHz



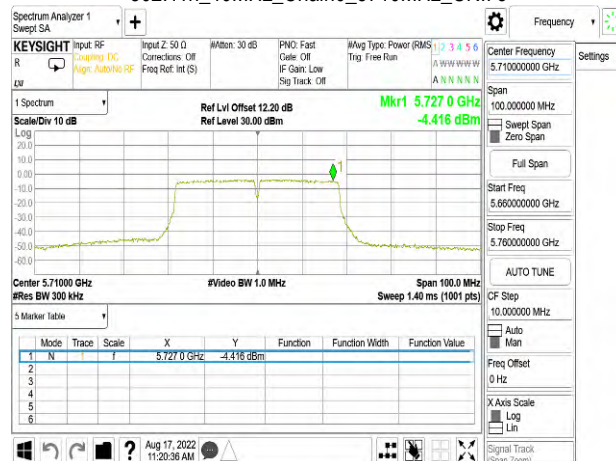
802.11n_40MHz_Chain0_5710MHz_UNII 2C



802.11n_40MHz_Chain0_5550MHz



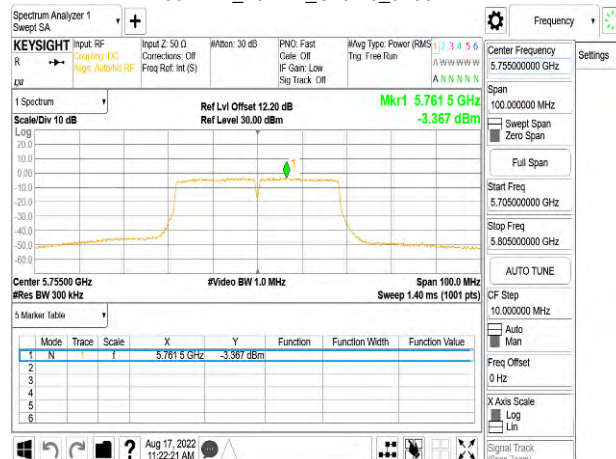
802.11n_40MHz_Chain0_5710MHz_UNII 3



802.11n_40MHz_Chain0_5670MHz



802.11n_40MHz_Chain0_5755MHz

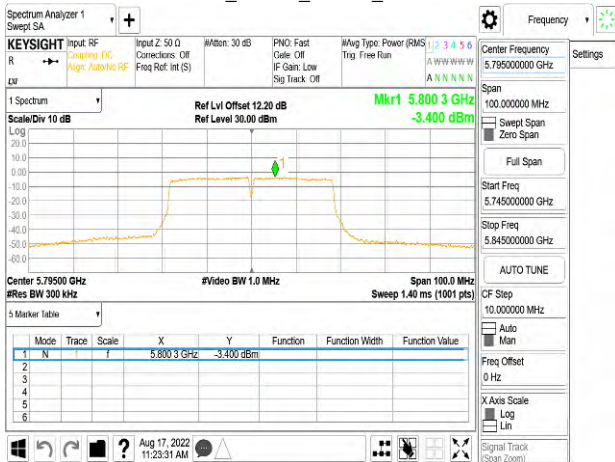


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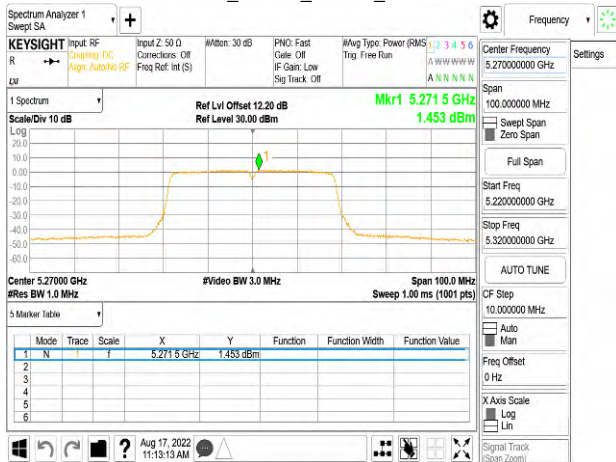
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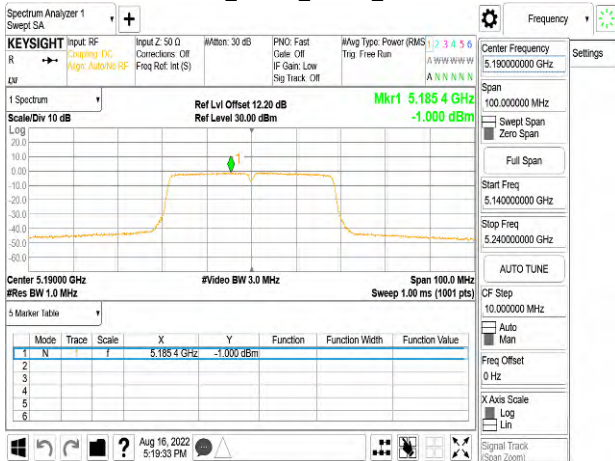
802.11n_40MHz_Chain0_5795MHz



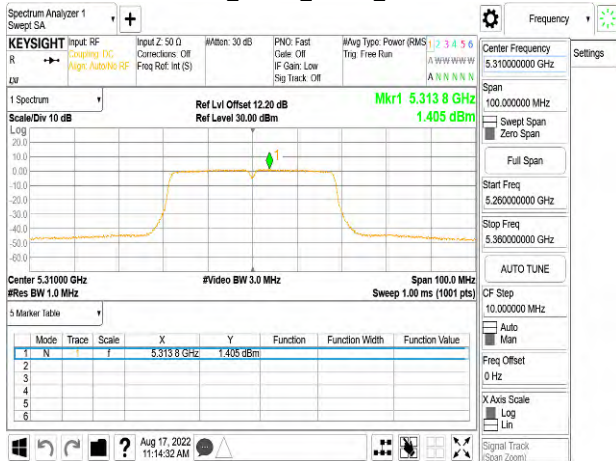
802.11n_40MHz_Chain1_5270MHz



802.11n_40MHz_Chain1_5190MHz



802.11n_40MHz_Chain1_5310MHz



802.11n_40MHz_Chain1_5230MHz



802.11n_40MHz_Chain1_5510MHz



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802.11n_40MHz_Chain1_5550MHz



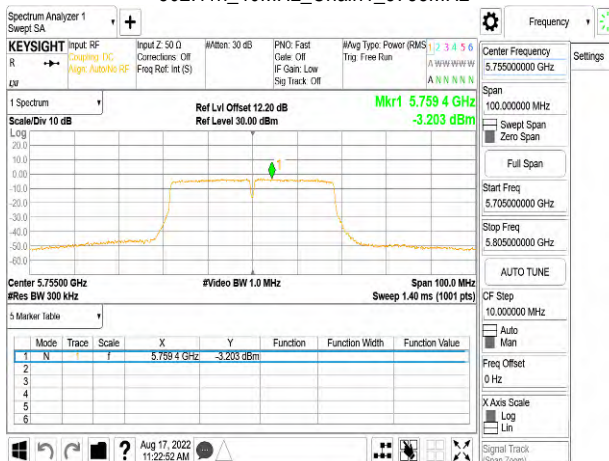
802.11n_40MHz_Chain1_5710MHz_UNII 3



802.11n_40MHz_Chain1_5670MHz



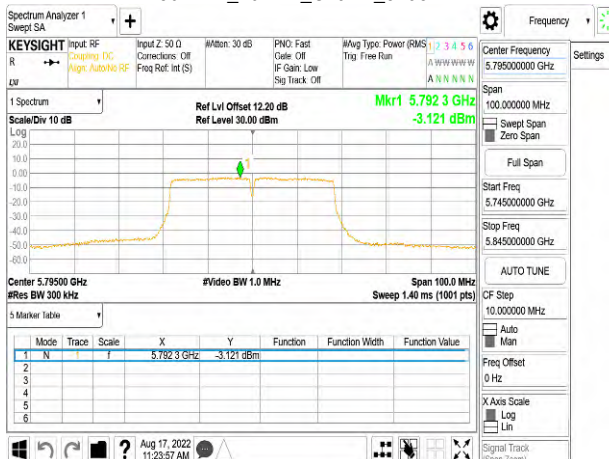
802.11n_40MHz_Chain1_5755MHz



802.11n_40MHz_Chain1_5710MHz_UNII 2C



802.11n_40MHz_Chain1_5795MHz

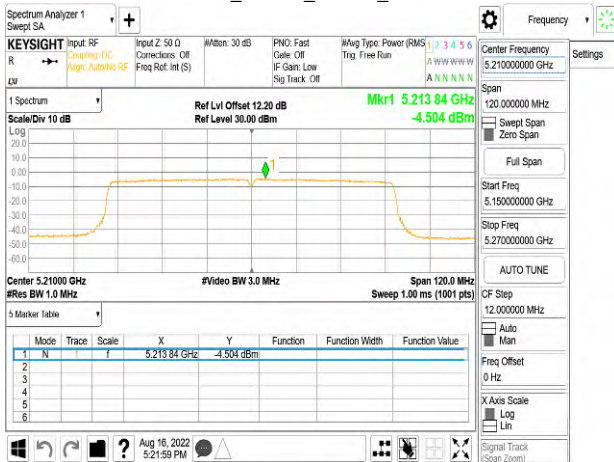


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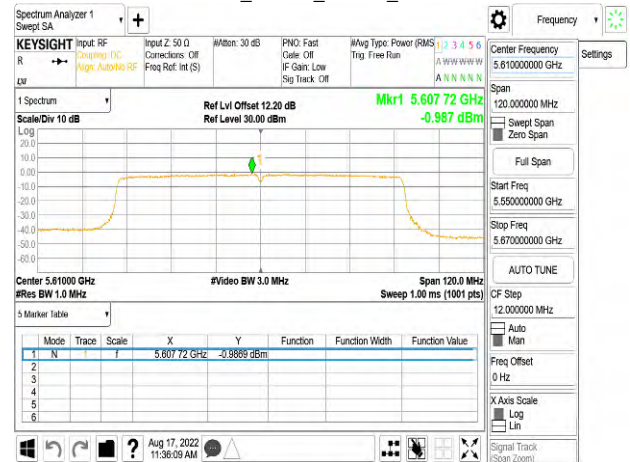
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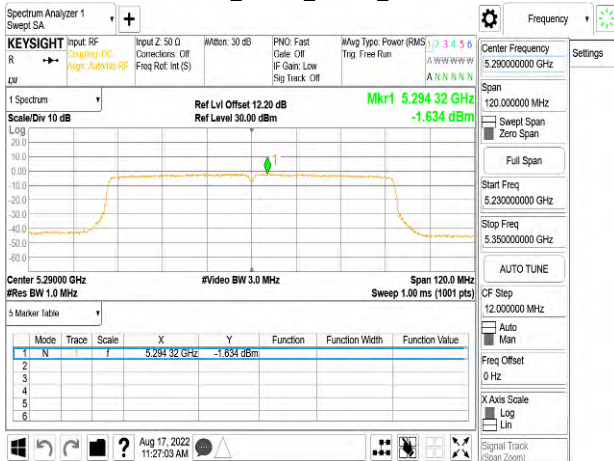
802.11ac_80MHz_Chain0_5210MHz



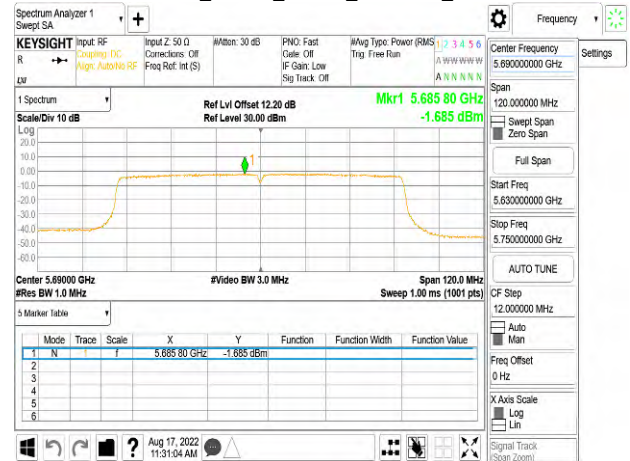
802.11ac_80MHz_Chain0_5610MHz



802.11ac_80MHz_Chain0_5290MHz



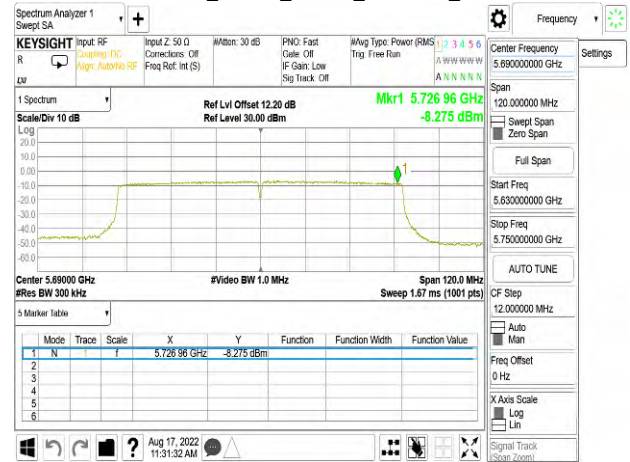
802.11ac_80MHz_Chain0_5690MHz_UNII 2C



802.11ac_80MHz_Chain0_5530MHz



802.11ac_80MHz_Chain0_5690MHz_UNII 3

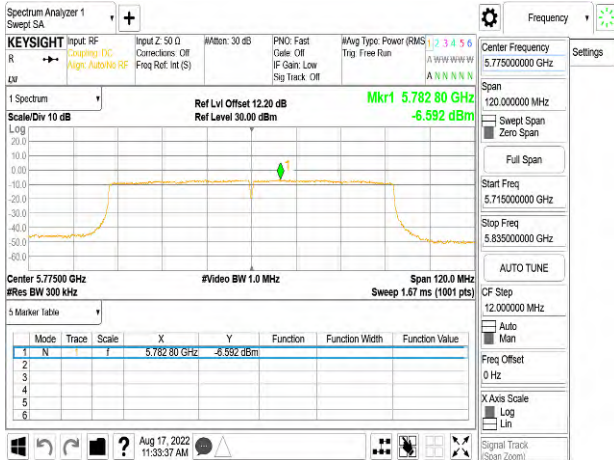


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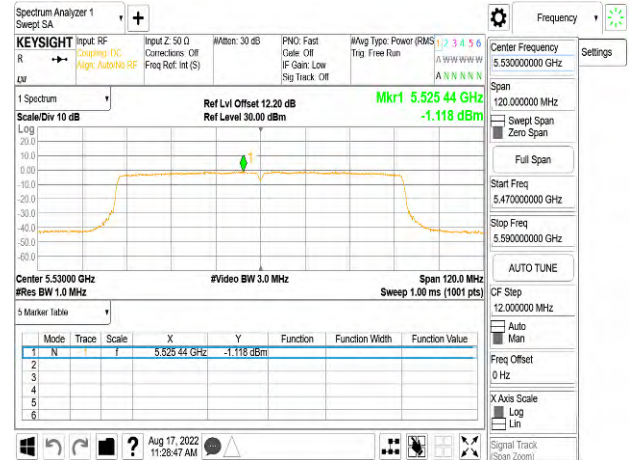
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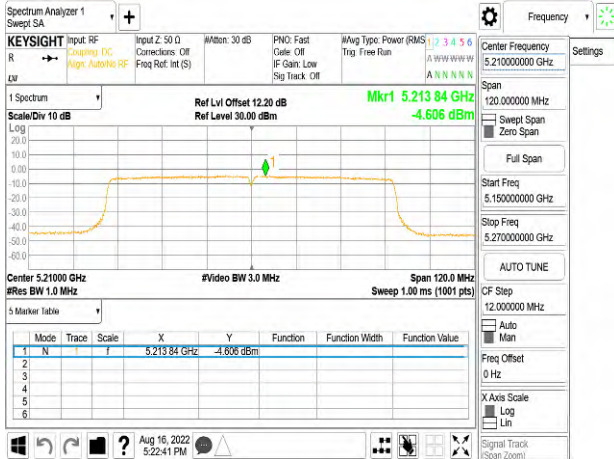
802.11ac_80MHz_Chain0_5775MHz



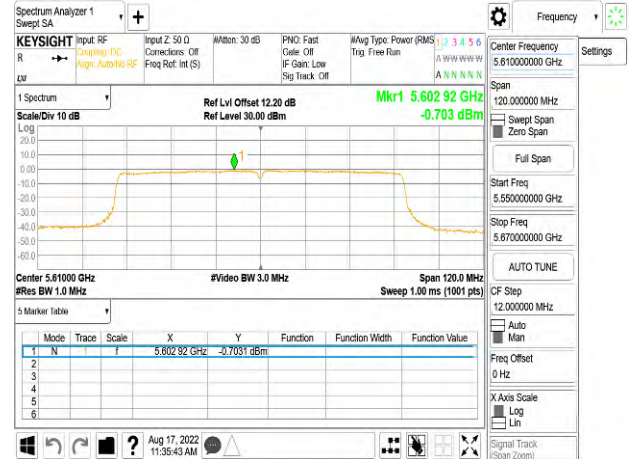
802.11ac_80MHz_Chain1_5530MHz



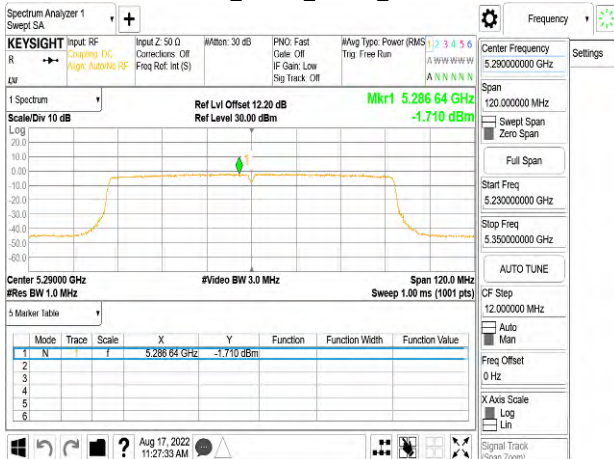
802.11ac_80MHz_Chain1_5210MHz



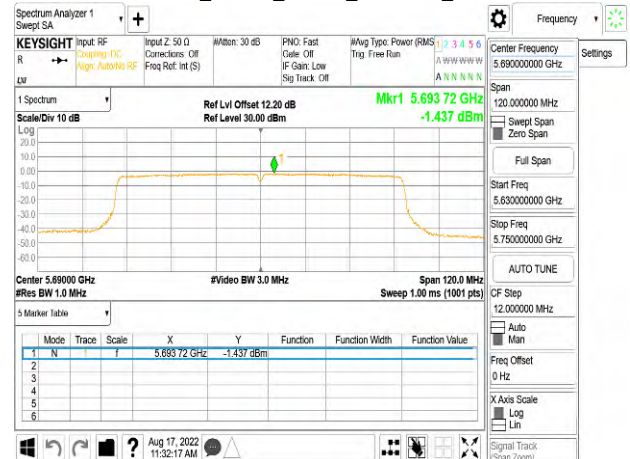
802.11ac_80MHz_Chain1_5610MHz



802.11ac_80MHz_Chain1_5290MHz



802.11ac_80MHz_Chain1_5690MHz_UNII 2C

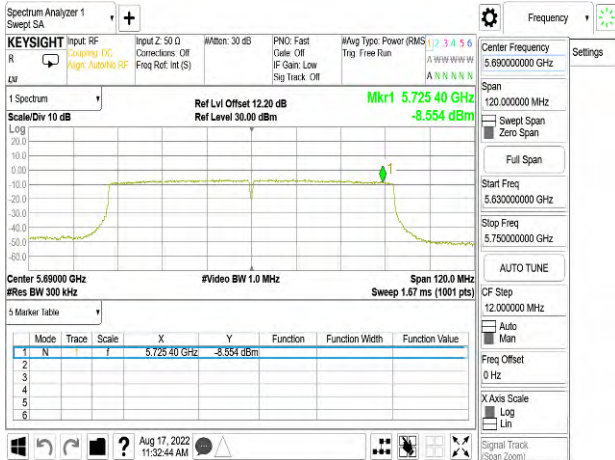


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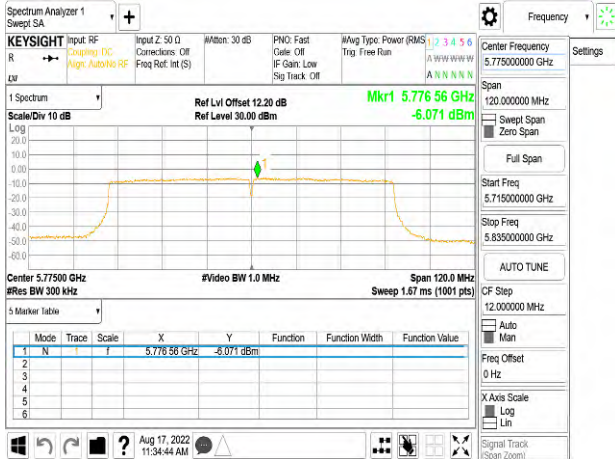
802.11ac_80MHz_Chain1_5690MHz_UNII 3



802.11ac_160MHz_Chain0_5570MHz



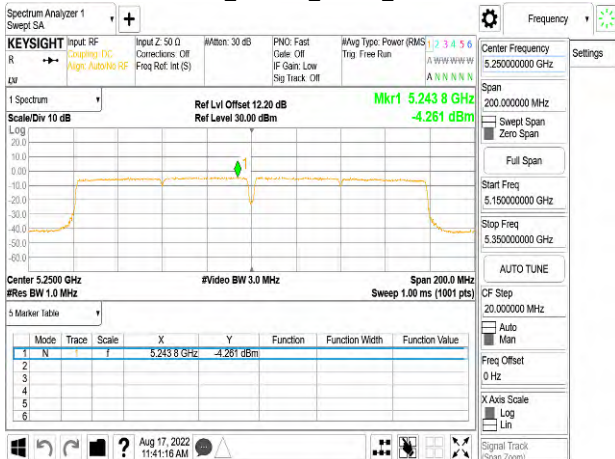
802.11ac_80MHz_Chain1_5775MHz



802.11ac_160MHz_Chain1_5250MHz



802.11ac_160MHz_Chain0_5250MHz



802.11ac_160MHz_Chain1_5570MHz

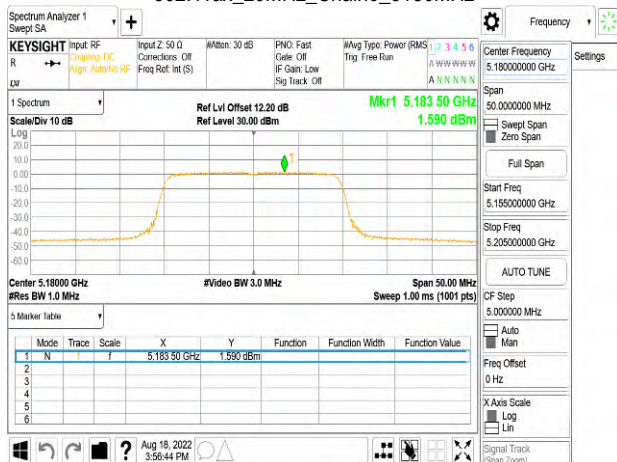


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802.11ax_20MHz_Chain0_5180MHz



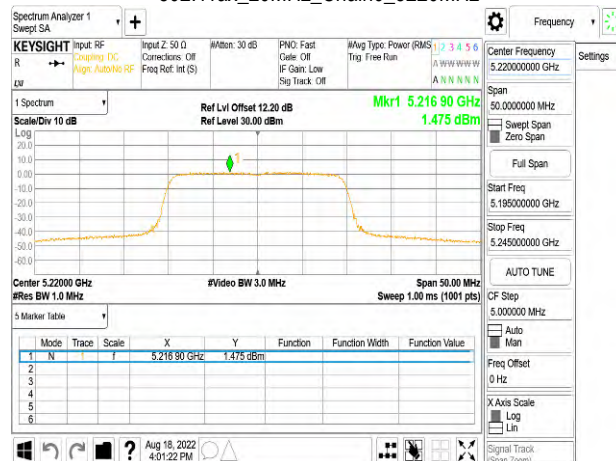
802.11ax_20MHz_Chain0_5180MHz_RU52_37



802.11ax_20MHz_Chain0_5180MHz_RU106_53



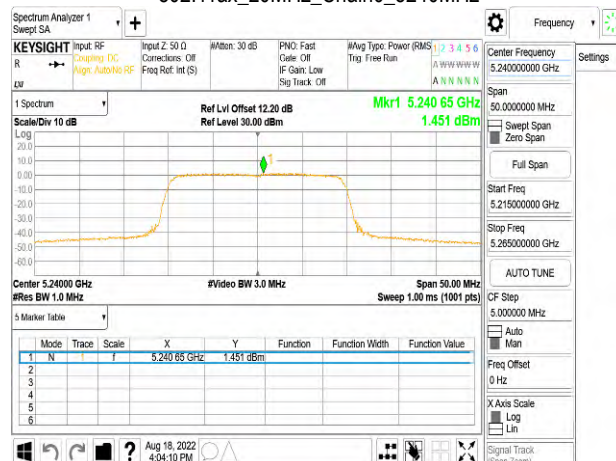
802.11ax_20MHz_Chain0_5220MHz



802.11ax_20MHz_Chain0_5180MHz_RU26_0



802.11ax_20MHz_Chain0_5240MHz



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