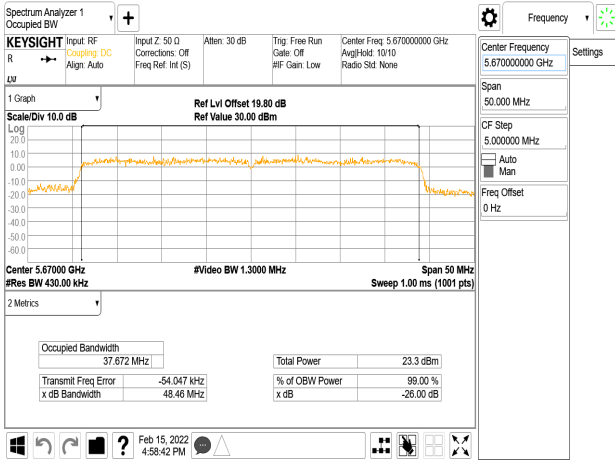
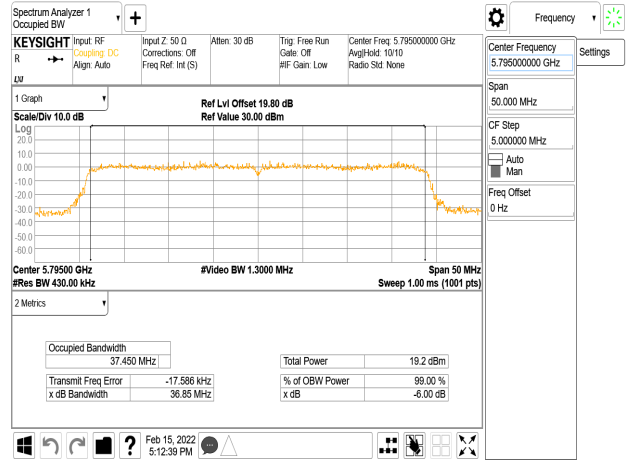


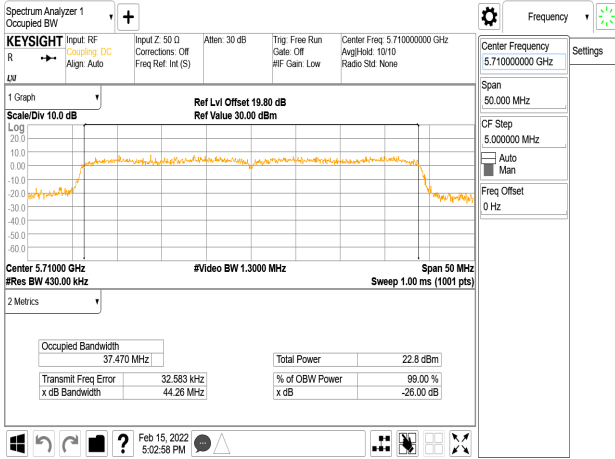
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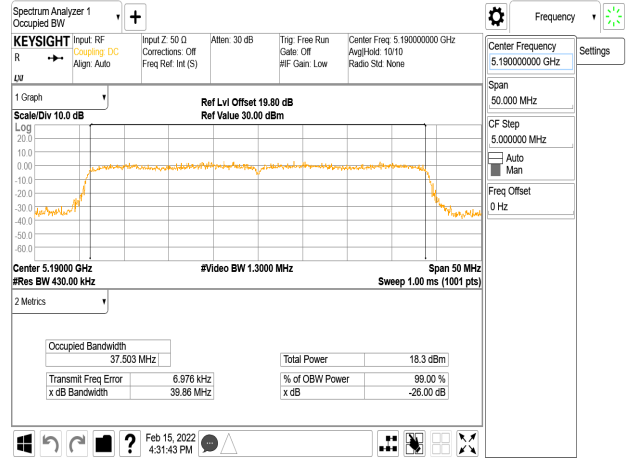
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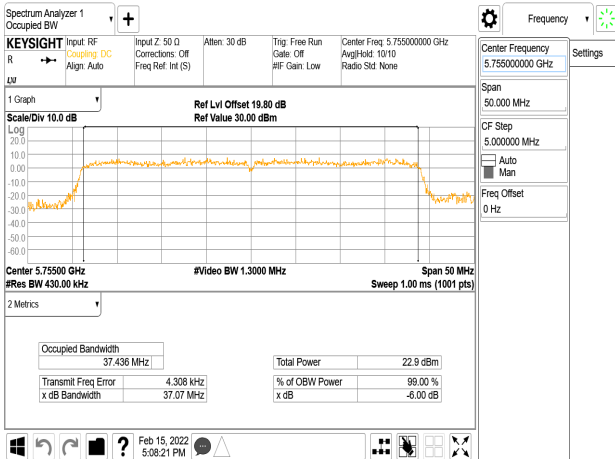
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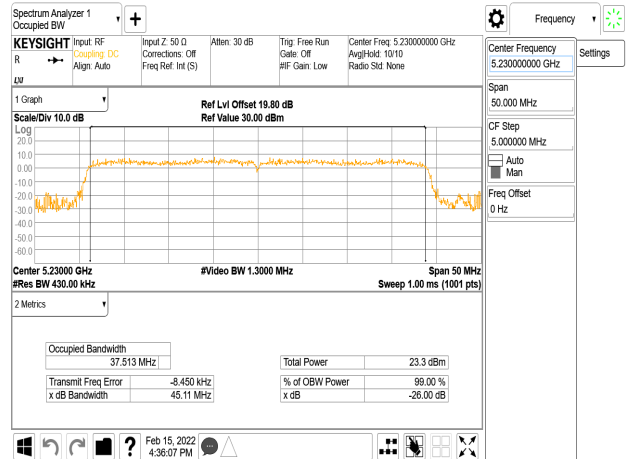
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802.11ax_40MHz_Chain0_5755MHz



802.11ax_40MHz_Chain1_5230MHz

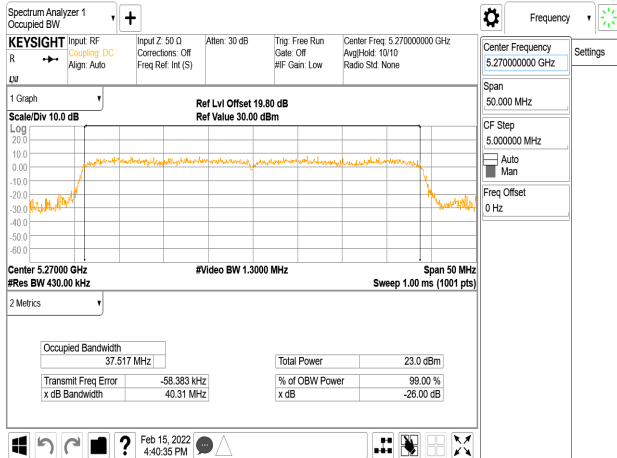


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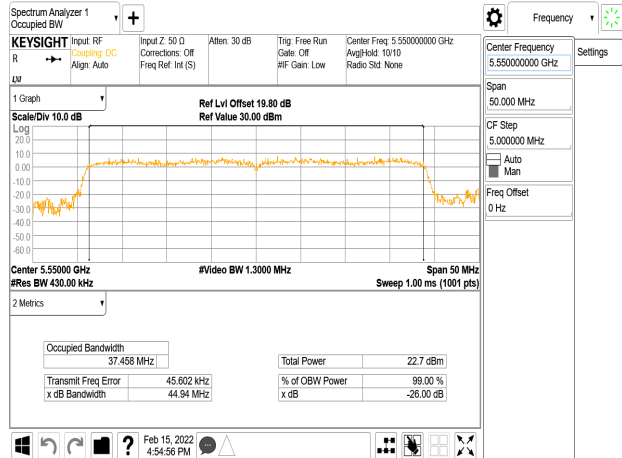
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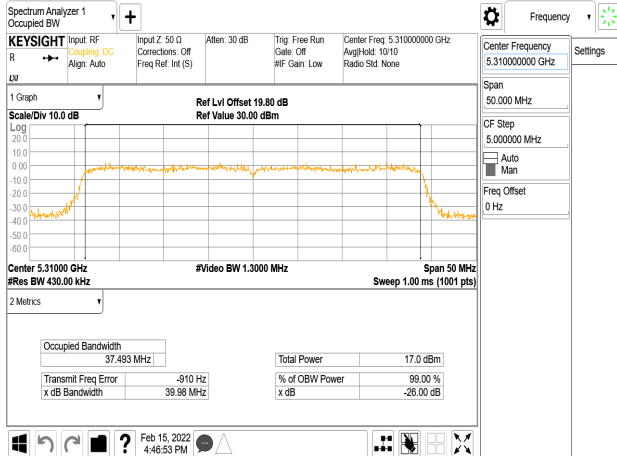
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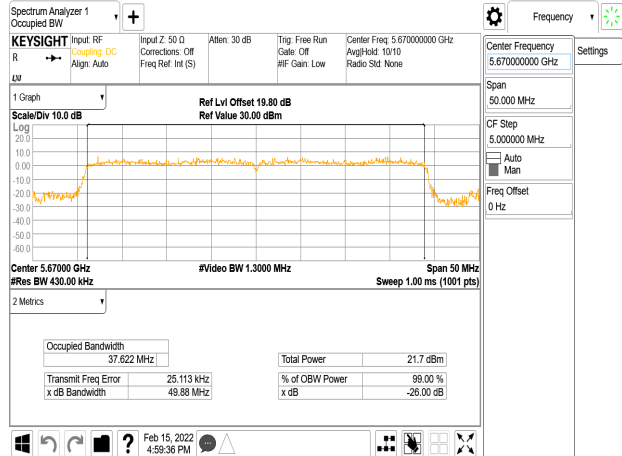
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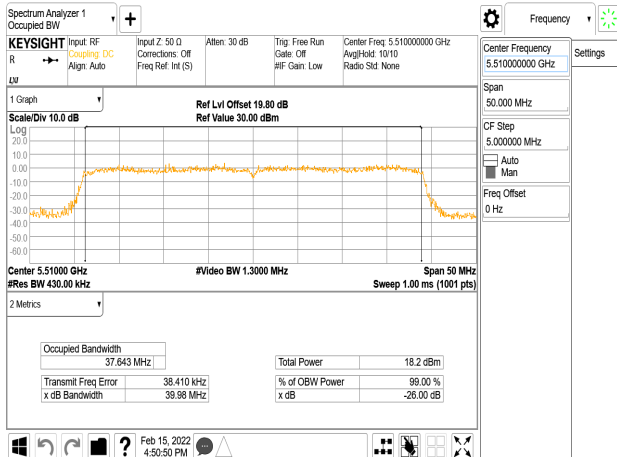
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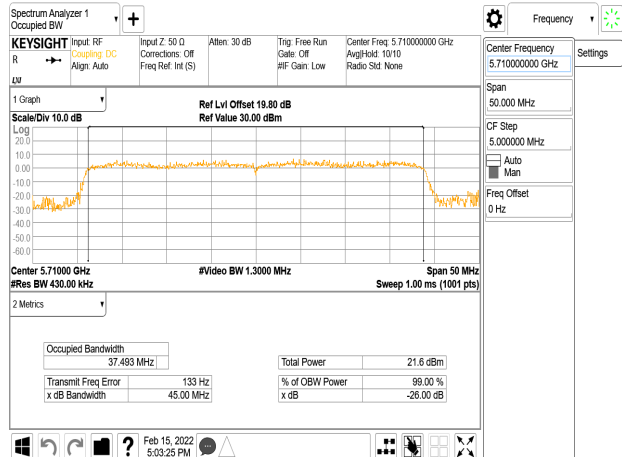
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802.11ax_40MHz_Chain1_5510MHz



802.11ax_40MHz_Chain1_5710MHz

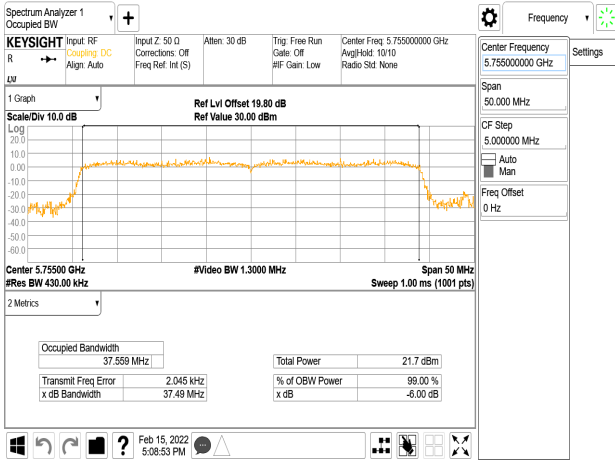


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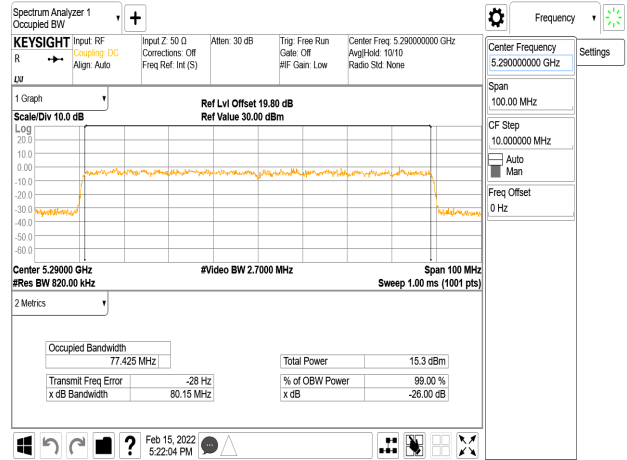
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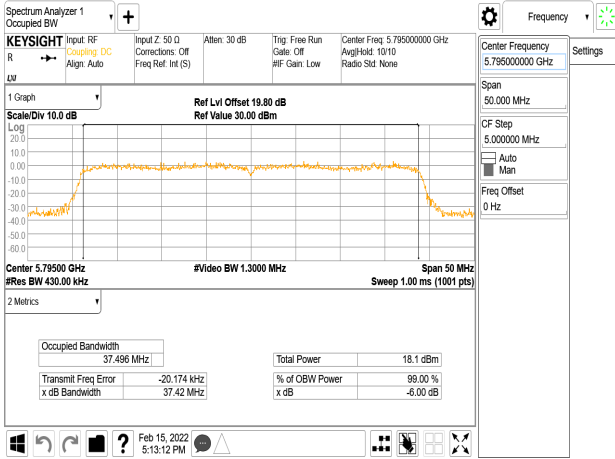
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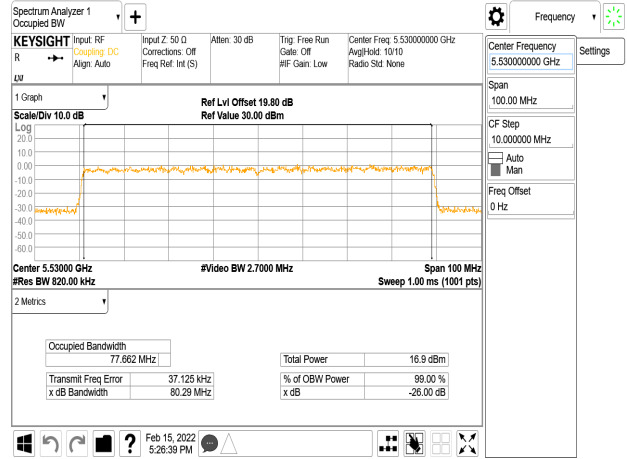
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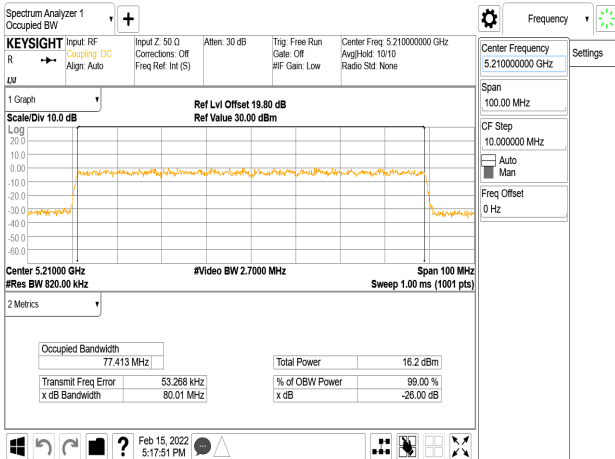
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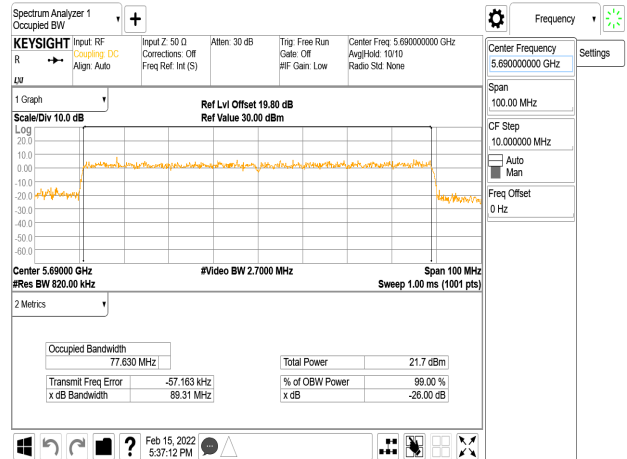
802.11ax_80MHz_Chain0_5530MHz



802.11ax_80MHz_Chain0_5210MHz



802.11ax_80MHz_Chain0_5690MHz

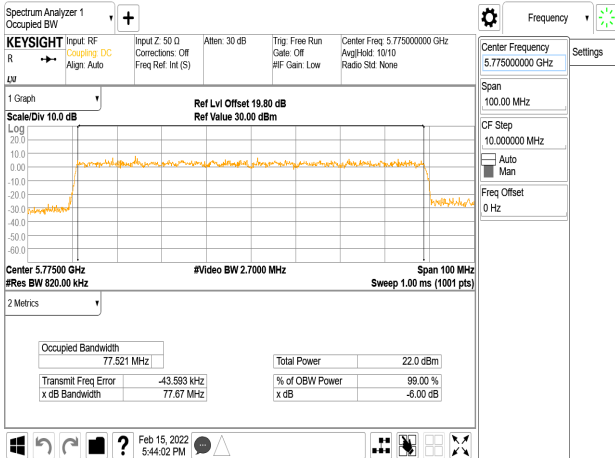


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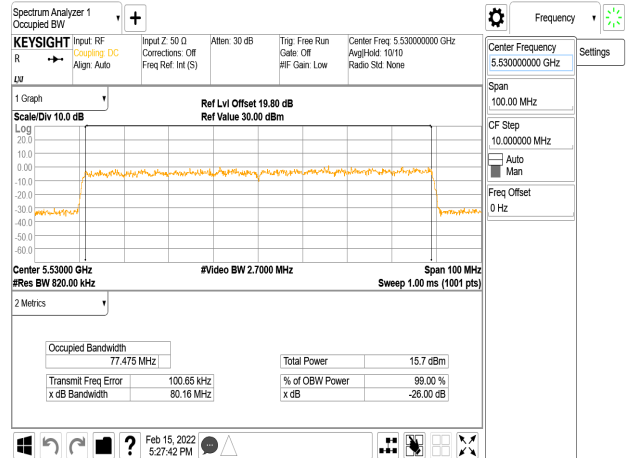
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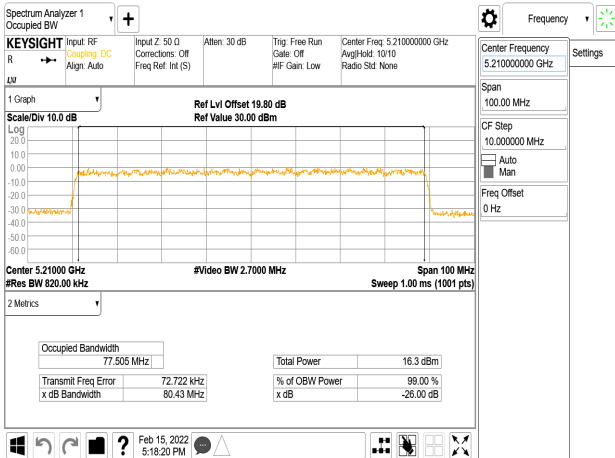
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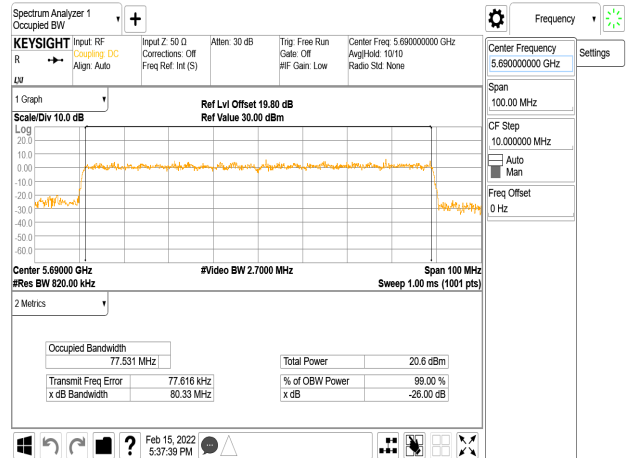
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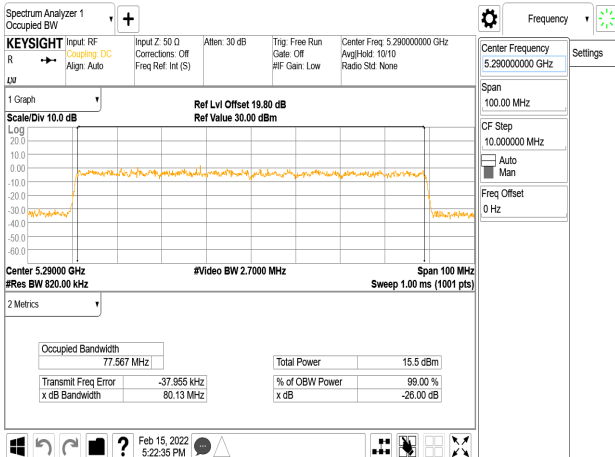
802.11ax_80MHz_Chain1_5210MHz



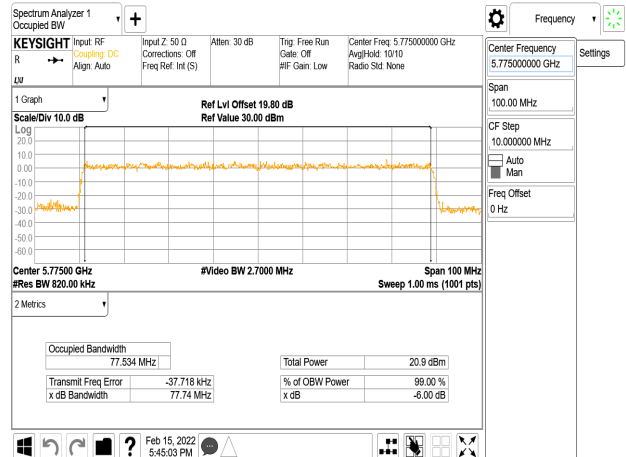
802.11ax_80MHz_Chain1_5690MHz



802.11ax_80MHz_Chain1_5290MHz



802.11ax_80MHz_Chain1_5775MHz



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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

1. 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.

2. For the 10 log B, B is the 26 dB emission bandwidth.

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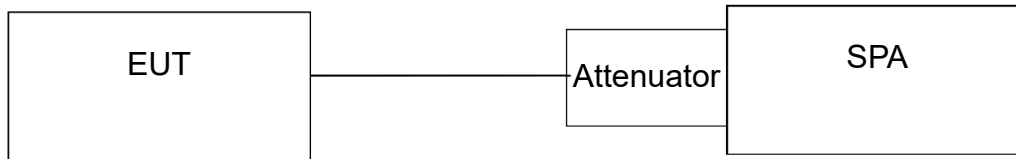
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FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247 §6.2.1~6.2.4		
			EIRP	Conducted Output Power	TPC
5150~5250		OEM devices installed in vehicles	30 mW or $1.76 + 10 \log_{10}B$	N/A	At least 3dB below 30mW EIRP
	V	Other device	200 mW or $10 + 10 \log_{10}B$ dBm	N/A	N/A
5250~5350		OEM devices installed in vehicles	30 mW or $1.76 + 10 \log_{10}B$	N/A	At least 3dB below 30mW EIRP
	V	Other device	1.0 W or $17 + 10 \log_{10}B$ dBm	250 mW or $11 + 10 \log_{10}B$	EIRP >500mW, at least 6dB below 1W EIRP
		Outdoor Fixed with EIRP>200mW	-13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$ $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$ -42 dBW/MHz for $\theta > 45^\circ$	N/A	EIRP >500mW, at least 6dB below 1W EIRP
5470-5600 and 5650-5725	V	All	1.0 W or $17 + 10 \log_{10}B$ dBm	250 mW or $11 + 10 \log_{10}B$	EIRP >500mW, at least 6dB below 1W EIRP
5725~5850	V	All	N/A	1 W	N/A

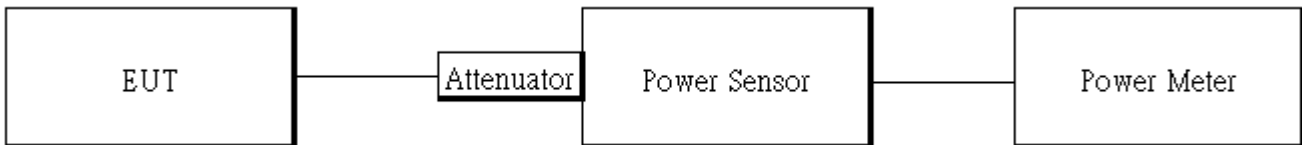
1 For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the $10 \log B$, B is the 99% emission bandwidth.

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

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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.

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

$g_{j,k} = / 20 \log G_k$ 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 greater than 6 dBi in MIMO mode, therefore the the power density limit attenuation has been applied in the test results.

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9.4 Duty Cycle Measurement Result

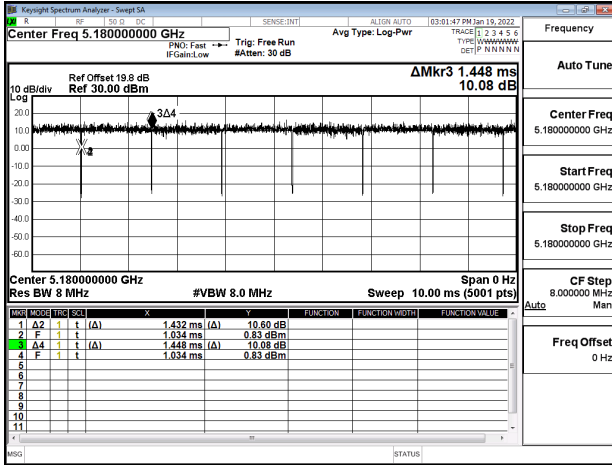
Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	98.90	0.05	0.70	0.01
802.11n_20	98.02	0.09	1.45	0.01
802.11ac_20	98.04	0.09	1.43	0.01
802.11n_40	96.22	0.17	2.81	3.00
802.11ac_40	96.26	0.17	2.78	3.00
802.11ac_80	92.31	0.35	5.21	6.00
802.11ax_20	97.54	0.11	1.80	2.00
802.11ax_40	95.63	0.19	3.27	4.00
802.11ax_80	92.71	0.33	5.62	6.00

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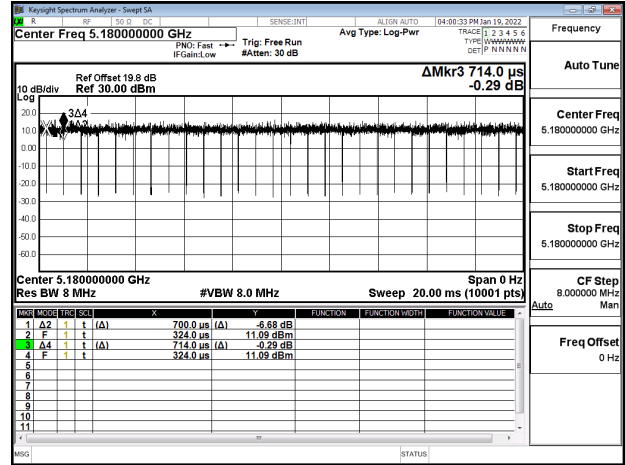
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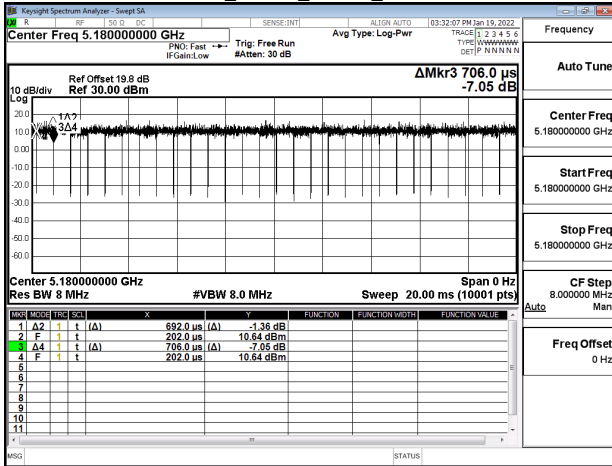
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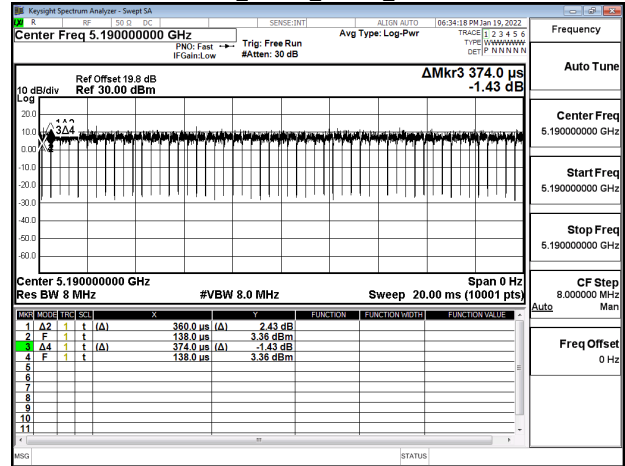
802.11ac_20MHz_Chain0_5180MHz



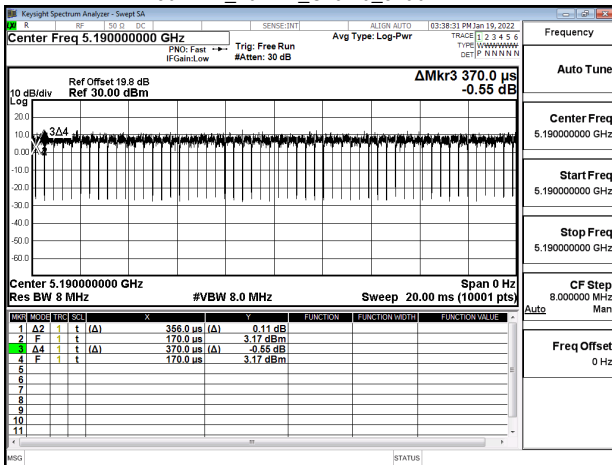
802.11n_20MHz_Chain0_5180MHz



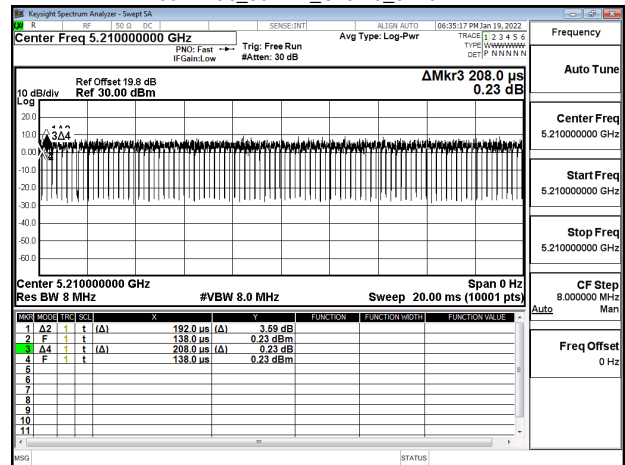
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802.11n_40MHz_Chain0_5190MHz



802.11ac_80MHz_Chain0_5210MHz

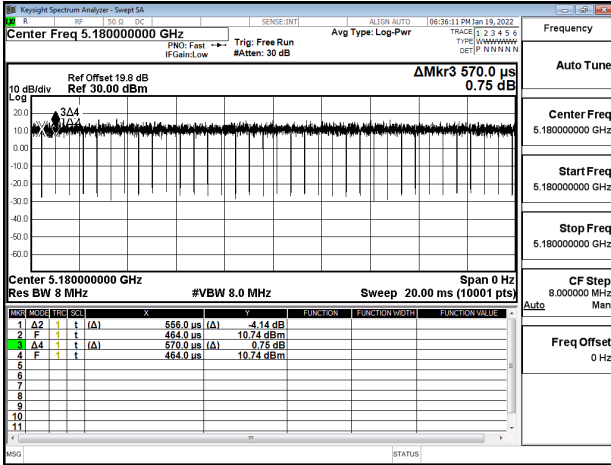


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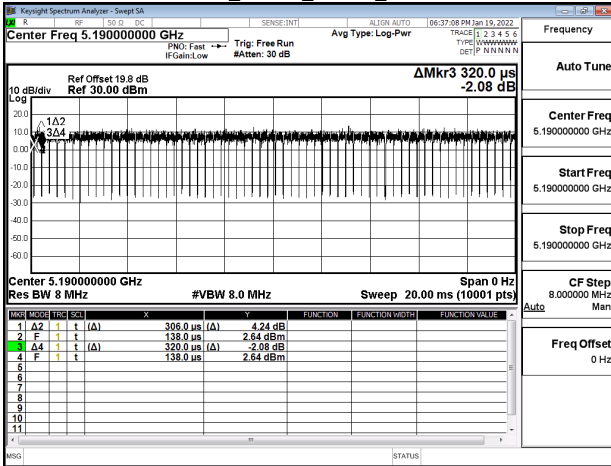
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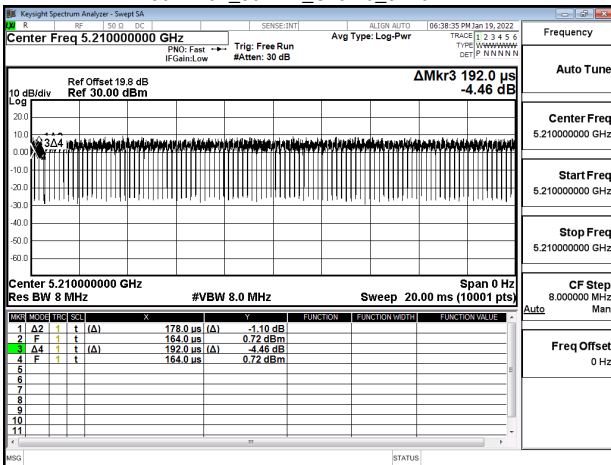
802.11ax_20MHz_Chain0_5180MHz



802.11ax_40MHz_Chain0_5190MHz



802.11ax_80MHz_Chain0_5210MHz



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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	15	14.73	29.703	23.98	PASS
40	5200	6	17	16.73	47.076	23.98	PASS
48	5240	6	17	16.67	46.431	23.98	PASS
52	5260	6	18	17.71	58.993	23.98	PASS
60	5300	6	18.5	18.30	67.578	23.98	PASS
64	5320	6	15	14.85	30.535	23.88	PASS
100	5500	6	16	15.72	37.308	23.89	PASS
116	5580	6	16	16.36	43.232	23.90	PASS
140	5700	6	14.5	14.77	29.978	23.98	PASS
144	5720(U-NII 2C)	6	17	16.36	43.30	22.73	PASS
144	5720 (U-NII 3)	6	17	11.53	14.22	30	PASS
149	5745	6	19	18.75	74.956	30	PASS
161	5805	6	19	18.83	76.349	30	PASS
165	5825	6	14	13.65	23.163	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	15	14.60	28.827	23.98	PASS
40	5200	6	17	16.58	45.478	23.98	PASS
48	5240	6	17	16.55	45.165	23.98	PASS
52	5260	6	18	17.57	57.122	23.87	PASS
60	5300	6	18.5	18.19	65.888	23.91	PASS
64	5320	6	15	14.80	30.186	23.85	PASS
100	5500	6	16	15.62	36.459	23.87	PASS
116	5580	6	16	16.24	42.054	23.98	PASS
140	5700	6	14.5	14.63	29.027	23.98	PASS
144	5720(U-NII 2C)	6	17	15.94	39.27	23.4	PASS
144	5720 (U-NII 3)	6	17	12.22	16.68	30	PASS
149	5745	6	19	18.68	73.757	30	PASS
161	5805	6	19	18.71	74.268	30	PASS
165	5825	6	14	13.49	22.326	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	15	14.87	14.65	17.82	60.534	22.72	PASS
40	5200	6	17	16.79	16.62	19.76	94.624	22.72	PASS
48	5240	6	17	16.74	16.58	19.72	93.756	22.72	PASS
52	5260	6	18	17.77	17.61	20.75	118.850	22.72	PASS
60	5300	6	18.5	18.42	18.3	21.42	138.676	22.72	PASS
64	5320	6	15	14.93	14.82	17.93	62.087	22.72	PASS
100	5500	6	16.5	15.86	15.61	18.80	75.858	22.72	PASS
116	5580	6	16.5	16.47	16.34	19.46	88.308	22.72	PASS
140	5700	6	15	14.93	14.82	17.93	62.087	22.72	PASS
144	5720(U-NII 2C)	6	17.5	16.52	16.09	19.37	86.503	22.72	PASS
144	5720 (U-NII 3)	6	17.5	11.68	12.37	15.10	32.367	28.74	PASS
149	5745	6	19.5	18.77	18.68	21.78	150.661	28.74	PASS
161	5805	6	19.5	18.85	18.72	21.84	152.757	28.74	PASS
165	5825	6	14	13.78	13.49	16.70	46.774	28.74	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	13.5	13.74	23.642	23.98	PASS
40	5200	MCS0	17.5	17.81	60.351	23.98	PASS
48	5240	MCS0	17.5	17.89	61.473	23.98	PASS
52	5260	MCS0	17.5	17.82	60.490	23.98	PASS
60	5300	MCS0	17.5	17.74	59.386	23.98	PASS
64	5320	MCS0	14.5	14.90	30.881	23.98	PASS
100	5500	MCS0	15.5	15.86	38.520	23.98	PASS
116	5580	MCS0	16	16.34	43.021	23.98	PASS
140	5700	MCS0	13.5	13.72	23.533	23.98	PASS
144	5720(U-NII 2C)	MCS0	17	16.56	45.30	23.98	PASS
144	5720 (U-NII 3)	MCS0	17	11.70	14.77	30	PASS
149	5745	MCS0	18	17.75	59.523	30	PASS
161	5805	MCS0	17.5	17.83	60.630	30	PASS
165	5825	MCS0	14	13.83	24.137	30	PASS

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802.11n_HT20_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	13.5	13.61	22.945	23.98	PASS
40	5200	MCS0	17.5	17.68	58.571	23.98	PASS
48	5240	MCS0	17.5	17.72	59.113	23.98	PASS
52	5260	MCS0	17.5	17.73	59.250	23.93	PASS
60	5300	MCS0	17.5	17.59	57.370	23.9	PASS
64	5320	MCS0	14.5	14.75	29.832	23.91	PASS
100	5500	MCS0	15.5	15.74	37.470	23.9	PASS
116	5580	MCS0	16	16.21	41.753	23.98	PASS
140	5700	MCS0	13.5	13.58	22.787	23.98	PASS
144	5720(U-NII 2C)	MCS0	17	16.25	42.14	23.98	PASS
144	5720 (U-NII 3)	MCS0	17	12.26	16.84	30	PASS
149	5745	MCS0	18	17.63	57.901	30	PASS
161	5805	MCS0	17.5	17.64	58.034	30	PASS
165	5825	MCS0	14	13.67	23.264	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS8	14	13.82	13.6	16.81	47.973	22.72	PASS
40	5200	MCS8	18	17.78	17.64	20.81	120.504	22.72	PASS
48	5240	MCS8	18	17.96	17.71	20.93	123.880	22.72	PASS
52	5260	MCS8	18	17.84	17.68	20.86	121.899	22.72	PASS
60	5300	MCS8	18	17.77	17.55	20.76	119.124	22.72	PASS
64	5320	MCS8	15	14.92	14.73	17.92	61.944	22.72	PASS
100	5500	MCS8	16.5	16.04	15.69	18.97	78.886	22.72	PASS
116	5580	MCS8	17	16.39	16.26	19.42	87.498	22.72	PASS
140	5700	MCS8	14	13.84	13.71	16.87	48.641	22.72	PASS
144	5720(U-NII 2C)	MCS8	17.5	16.58	16.16	19.48	88.665	22.71	PASS
144	5720 (U-NII 3)	MCS8	17.5	11.72	12.18	15.05	32.014	28.74	PASS
149	5745	MCS8	18.5	17.88	17.56	20.82	120.781	28.74	PASS
161	5805	MCS8	18.5	17.92	17.64	20.88	122.462	28.74	PASS
165	5825	MCS8	14	13.86	13.65	16.85	48.417	28.74	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	12.84	19.219	23.98	PASS
46	5230	MCS0	17.5	17.85	60.916	23.98	PASS
54	5270	MCS0	17.5	17.84	60.776	23.98	PASS
62	5310	MCS0	12.5	12.91	19.531	23.98	PASS
102	5510	MCS0	14	13.80	23.974	23.98	PASS
110	5550	MCS0	17.5	17.83	60.637	23.98	PASS
134	5670	MCS0	17	17.23	52.812	23.98	PASS
142	5710(U-NII 2C)	MCS0	17.5	16.92	49.25	23.98	PASS
142	5710 (U-NII 3)	MCS0	17.5	10.82	12.09	30	PASS
151	5755	MCS0	18	17.86	61.057	30	PASS
159	5795	MCS0	13.5	13.80	23.974	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	12.5	12.81	19.087	23.98	PASS
46	5230	MCS0	17.5	17.68	58.578	23.98	PASS
54	5270	MCS0	17.5	17.79	60.081	23.98	PASS
62	5310	MCS0	12.5	12.82	19.131	23.98	PASS
102	5510	MCS0	14	13.66	23.213	23.98	PASS
110	5550	MCS0	17.5	17.72	59.120	23.98	PASS
134	5670	MCS0	17	17.10	51.255	23.98	PASS
142	5710(U-NII 2C)	MCS0	17.5	17.02	50.34	23.98	PASS
142	5710 (U-NII 3)	MCS0	17.5	9.95	9.88	30	PASS
151	5755	MCS0	18	17.74	59.393	30	PASS
159	5795	MCS0	13.5	13.76	23.754	30	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS8	13	12.75	12.65	15.88	38.726	22.72	PASS
46	5230	MCS8	18	17.79	17.57	20.86	121.899	22.72	PASS
54	5270	MCS8	18	17.82	17.59	20.88	122.462	22.72	PASS
62	5310	MCS8	13	12.97	12.61	15.97	39.537	22.72	PASS
102	5510	MCS8	14	13.72	13.59	16.83	48.195	22.72	PASS
110	5550	MCS8	18	17.84	17.57	20.88	122.462	22.72	PASS
134	5670	MCS8	17.5	17.19	17.08	20.31	107.399	22.72	PASS
142	5710(U-NII 2C)	MCS8	18	16.86	16.90	20.06	101.377	22.72	PASS
142	5710 (U-NII 3)	MCS8	18	10.76	9.83	13.50	22.383	28.74	PASS
151	5755	MCS8	18.5	17.78	17.67	20.90	123.027	28.74	PASS
159	5795	MCS8	14	13.78	13.62	16.88	48.753	28.74	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	13.5	13.61	22.940	23.98	PASS
40	5200	MCS0	18	17.77	59.786	23.98	PASS
48	5240	MCS0	17.5	17.71	58.965	23.98	PASS
52	5260	MCS0	17.5	17.65	58.156	23.98	PASS
60	5300	MCS0	17.5	17.58	57.226	23.98	PASS
64	5320	MCS0	15	14.81	30.241	23.98	PASS
100	5500	MCS0	16	15.74	37.462	23.98	PASS
116	5580	MCS0	16.5	16.25	42.131	23.98	PASS
140	5700	MCS0	13.5	13.58	22.782	23.98	PASS
144	5720(U-NII 2C)	MCS0	17.5	16.48	44.46	23.98	PASS
144	5720 (U-NII 3)	MCS0	17.5	11.61	14.50	30	PASS
149	5745	MCS0	18	17.62	57.756	30	PASS
161	5805	MCS0	18	17.66	58.290	30	PASS
165	5825	MCS0	14	13.74	23.637	30	PASS

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802.11ac_VHT20_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	13.5	13.50	22.366	23.98	PASS
40	5200	MCS0	18	17.65	58.156	23.98	PASS
48	5240	MCS0	17.5	17.60	57.491	23.98	PASS
52	5260	MCS0	17.5	17.57	57.095	23.93	PASS
60	5300	MCS0	17.5	17.52	56.441	23.9	PASS
64	5320	MCS0	15	14.60	28.814	23.91	PASS
100	5500	MCS0	16	15.67	36.864	23.9	PASS
116	5580	MCS0	16.5	16.14	41.077	23.98	PASS
140	5700	MCS0	13.5	13.44	22.060	23.98	PASS
144	5720(U-NII 2C)	MCS0	17.5	16.20	41.65	23.98	PASS
144	5720 (U-NII 3)	MCS0	17.5	12.21	16.64	30	PASS
149	5745	MCS0	18	17.53	56.571	30	PASS
161	5805	MCS0	18	17.56	56.964	30	PASS
165	5825	MCS0	14	13.62	22.993	30	PASS

802.11ac_VHT20_MIMO

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	14->13	13.65	13.47	16.66	46.345	22.72	PASS
40	5200	MCS0	18	17.79	17.59	20.79	119.950	22.72	PASS
48	5240	MCS0	18	17.82	17.69	20.85	121.619	22.72	PASS
52	5260	MCS0	18	17.68	17.53	20.70	117.490	22.72	PASS
60	5300	MCS0	18	17.65	17.42	20.63	115.611	22.72	PASS
64	5320	MCS0	15	14.81	14.65	17.83	60.674	22.72	PASS
100	5500	MCS0	16.5	15.78	15.57	18.77	75.336	22.72	PASS
116	5580	MCS0	16	16.31	16.2	19.35	86.099	22.72	PASS
140	5700	MCS0	14	13.71	13.56	16.73	47.098	22.72	PASS
144	5720(U-NII 2C)	MCS0	17.5	16.53	16.08	19.41	87.363	22.71	PASS
144	5720 (U-NII 3)	MCS0	17.5	11.67	12.10	14.99	31.533	28.74	PASS
149	5745	MCS0	18.5	17.65	17.49	20.67	116.681	28.74	PASS
161	5805	MCS0	18.5	17.82	17.45	20.74	118.577	28.74	PASS
165	5825	MCS0	14	13.71	13.59	16.75	47.315	28.74	PASS

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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	13	12.79	18.991	23.98	PASS
46	5230	MCS0	18	17.74	59.368	23.98	PASS
54	5270	MCS0	18	17.76	59.642	23.98	PASS
62	5310	MCS0	12.5	12.76	18.861	23.98	PASS
102	5510	MCS0	14	13.71	23.472	23.98	PASS
110	5550	MCS0	17.5	17.68	58.554	23.98	PASS
134	5670	MCS0	17.5	17.14	51.708	23.98	PASS
142	5710(U-NII 2C)	MCS0	18	16.89	48.89	23.98	PASS
142	5710 (U-NII 3)	MCS0	18	10.79	12.00	30	PASS
151	5755	MCS0	18	17.69	58.689	30	PASS
159	5795	MCS0	14	13.71	23.472	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	12.75	18.817	23.98	PASS
46	5230	MCS0	18	17.65	58.151	23.98	PASS
54	5270	MCS0	18	17.64	58.017	23.98	PASS
62	5310	MCS0	12.5	12.72	18.688	23.98	PASS
102	5510	MCS0	14	13.62	22.991	23.98	PASS
110	5550	MCS0	17.5	17.59	57.353	23.98	PASS
134	5670	MCS0	17.5	17.02	50.298	23.98	PASS
142	5710(U-NII 2C)	MCS0	18	16.90	48.94	23.98	PASS
142	5710 (U-NII 3)	MCS0	18	9.83	9.61	30	PASS
151	5755	MCS0	18	17.63	57.883	30	PASS
159	5795	MCS0	14	13.62	22.991	30	PASS

802.11ac_VHT40_MIMO

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	13	12.75	12.57	15.84	38.371	22.72	PASS
46	5230	MCS0	18.5	17.67	17.49	20.76	119.124	22.72	PASS
54	5270	MCS0	18.5	17.69	17.53	20.79	119.950	22.72	PASS
62	5310	MCS0	13	12.92	12.55	15.91	38.994	22.72	PASS
102	5510	MCS0	14	13.68	13.56	16.80	47.863	22.72	PASS
110	5550	MCS0	18	17.69	17.56	20.80	120.226	22.72	PASS
134	5670	MCS0	17.5	17.12	16.87	20.17	103.992	22.72	PASS
142	5710(U-NII 2C)	MCS0	18	16.78	16.87	20.00	100.106	22.72	PASS
142	5710 (U-NII 3)	MCS0	18	10.68	9.80	13.44	22.088	28.74	PASS
151	5755	MCS0	18.5	17.7	17.6	20.83	121.060	28.74	PASS
159	5795	MCS0	14	13.59	13.49	16.72	46.989	28.74	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	11	10.82	12.071	23.98	PASS
58	5290	MCS0	10.5	10.74	11.851	23.98	PASS
106	5530	MCS0	10.5	10.70	11.742	23.98	PASS
122	5610	MCS0	16	16.76	47.397	23.98	PASS
138	5690(U-NII 2C)	MCS0	16.5	16.03	40.06	23.98	PASS
138	5690 (U-NII 3)	MCS0	16.5	8.39	6.90	30	PASS
155	5775	MCS0	17	16.82	48.056	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	11	10.67	11.661	23.98	PASS
58	5290	MCS0	10.5	10.59	11.449	23.98	PASS
106	5530	MCS0	10.5	10.70	11.742	23.98	PASS
122	5610	MCS0	16	16.66	46.318	23.98	PASS
138	5690(U-NII 2C)	MCS0	16.5	16.19	41.61	23.98	PASS
138	5690 (U-NII 3)	MCS0	16.5	6.32	4.28	30	PASS
155	5775	MCS0	17	16.72	46.963	30	PASS

802.11ac_VHT80_MIMO

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	11	10.54	10.38	13.82	24.099	22.72	PASS
58	5290	MCS0	11	10.68	10.41	13.90	24.547	22.72	PASS
106	5530	MCS0	10.5	10.57	10.37	13.83	24.155	22.72	PASS
122	5610	MCS0	17	16.66	16.45	19.91	97.949	22.72	PASS
138	5690(U-NII 2C)	MCS0	17	15.92	15.95	19.30	85.066	22.72	PASS
138	5690 (U-NII 3)	MCS0	17	8.28	6.08	10.68	11.691	28.74	PASS
155	5775	MCS0	17	16.57	16.44	19.86	96.828	28.74	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	14.5	14.80	30.187	23.98	PASS
		MCS0	26/0	13	13.24	21.077	23.98	PASS
		MCS0	52/37	14	11.66	14.649	23.98	PASS
		MCS0	106/53	17	14.72	29.636	23.98	PASS
40	5200	MCS0	full	17	17.30	53.681	23.98	PASS
48	5240	MCS0	full	17.5	17.86	61.068	23.98	PASS
52	5260	MCS0	full	17.5	17.73	59.268	23.98	PASS
60	5300	MCS0	full	17.5	17.78	59.954	23.98	PASS
64	5320	MCS0	full	14.5	14.81	30.256	23.98	PASS
		MCS0	26/8	12	12.68	18.528	23.98	PASS
		MCS0	52/40	14	14.67	29.297	23.98	PASS
		MCS0	106/54	17	14.64	29.095	23.98	PASS
100	5500	MCS0	full	15.5	15.86	38.532	23.98	PASS
		MCS0	26/0	11.5	9.21	8.333	23.98	PASS
		MCS0	52/37	14.5	14.18	26.171	23.98	PASS
		MCS0	106/53	16	13.65	23.164	23.98	PASS
116	5580	MCS0	full	16.5	16.83	48.175	23.98	PASS
140	5700	MCS0	full	15.5	15.72	37.309	23.98	PASS
		MCS0	26/8	9.5	6.82	4.806	23.98	PASS
		MCS0	52/40	14	11.28	13.422	23.98	PASS
		MCS0	106/54	14	11.26	13.360	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	17	16.43	43.934	22.8	PASS
144	5720 (U-NII 3)	MCS0	full	17	11.74	14.925	30	PASS
149	5745	MCS0	full	18	17.89	61.492	30	PASS
		MCS0	26/0	20.5	17.83	60.648	30	PASS
		MCS0	52/37	20.5	17.74	59.404	30	PASS
		MCS0	106/53	20.5	17.77	59.816	30	PASS
161	5805	MCS0	full	18	17.86	61.068	30	PASS
165	5825	MCS0	full	14	13.76	23.758	30	PASS
		MCS0	26/8	16	13.71	23.486	30	PASS
		MCS0	52/40	16	13.66	23.218	30	PASS
		MCS0	106/54	16	13.64	23.111	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	14.5	14.69	29.432	23.98	PASS
		MCS0	26/0	13	13.15	20.645	23.98	PASS
		MCS0	52/37	14	11.59	14.415	23.98	PASS
		MCS0	106/53	17	14.60	28.828	23.98	PASS
40	5200	MCS0	full	17	17.16	51.978	23.98	PASS
48	5240	MCS0	full	17.5	17.75	59.541	23.98	PASS
52	5260	MCS0	full	17.5	17.61	57.652	23.98	PASS
60	5300	MCS0	full	17.5	17.69	58.724	23.98	PASS
64	5320	MCS0	full	14.5	14.64	29.095	23.98	PASS
		MCS0	26/8	12	12.55	17.981	23.98	PASS
		MCS0	52/40	14	14.63	29.028	23.98	PASS
		MCS0	106/54	17	14.60	28.828	23.98	PASS
100	5500	MCS0	full	15.5	15.60	36.293	23.98	PASS
		MCS0	26/0	11.5	9.09	8.106	23.98	PASS
		MCS0	52/37	14.5	14.05	25.399	23.98	PASS
		MCS0	106/53	16	13.54	22.585	23.98	PASS
116	5580	MCS0	full	16.5	16.72	46.970	23.98	PASS
140	5700	MCS0	full	15.5	15.59	36.209	23.98	PASS
		MCS0	26/8	9.5	6.75	4.730	23.98	PASS
		MCS0	52/40	14	11.23	13.268	23.98	PASS
		MCS0	106/54	14	11.18	13.116	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	17	16.09	40.625	23.31	PASS
144	5720 (U-NII 3)	MCS0	full	17	12.24	16.763	30	PASS
149	5745	MCS0	full	18	17.73	59.268	30	PASS
		MCS0	26/0	20.5	17.71	58.995	30	PASS
		MCS0	52/37	20.5	17.61	57.652	30	PASS
		MCS0	106/53	20.5	17.65	58.186	30	PASS
161	5805	MCS0	full	18	17.78	59.954	30	PASS
165	5825	MCS0	full	14	13.64	23.111	30	PASS
		MCS0	26/8	16	13.61	22.952	30	PASS
		MCS0	52/40	16	13.59	22.846	30	PASS
		MCS0	106/54	16	13.57	22.741	30	PASS

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802.11ax_HE20_MIMO

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	15	14.77	14.62	17.81	60.395	22.72	PASS
		MCS0	26/0	12.5	10.75	10.62	13.80	23.988	22.72	PASS
		MCS0	52/37	13.5	11.66	11.48	14.69	29.444	22.72	PASS
		MCS0	106/53	16.5	14.7	14.56	17.75	59.566	22.72	PASS
40	5200	MCS0	full	17.5	17.33	17.24	20.40	109.648	22.72	PASS
48	5240	MCS0	full	18	17.94	17.65	20.92	123.595	22.72	PASS
52	5260	MCS0	full	18	17.83	17.71	20.89	122.744	22.72	PASS
60	5300	MCS0	full	18	17.87	17.78	20.94	124.165	22.72	PASS
64	5320	MCS0	full	14.5	14.78	14.6	17.81	60.395	22.72	PASS
		MCS0	26/8	12.5	9.77	9.62	12.81	19.099	22.72	PASS
		MCS0	52/40	14.5	11.73	11.59	14.78	30.061	22.72	PASS
		MCS0	106/54	17.5	14.67	14.46	17.68	58.614	22.72	PASS
100	5500	MCS0	full	16	15.81	15.69	18.87	77.090	22.72	PASS
		MCS0	26/0	12	9.25	9.08	12.28	16.904	22.72	PASS
		MCS0	52/37	15	12.25	12.08	15.28	33.729	22.72	PASS
		MCS0	106/53	16.5	13.7	13.55	16.74	47.206	22.72	PASS
116	5580	MCS0	full	16.5	16.82	16.69	19.87	97.051	22.72	PASS
140	5700	MCS0	full	15.5	15.74	15.6	18.79	75.683	22.72	PASS
		MCS0	26/8	9	6.89	6.72	9.92	9.817	22.72	PASS
		MCS0	52/40	13.5	11.28	11.1	14.31	26.977	22.72	PASS
		MCS0	106/54	13.5	11.33	11.16	14.36	27.290	22.72	PASS
144	5720(U-NII 2C)	MCS0	full	17.5	16.57	16.03	19.43	87.670	22.72	PASS
144	5720 (U-NII 3)	MCS0	full	17.5	11.88	12.19	15.16	32.780	28.74	PASS
149	5745	MCS0	full	18	17.88	17.75	20.93	123.880	28.74	PASS
		MCS0	26/0	20	17.8	17.69	20.86	121.899	28.74	PASS
		MCS0	52/37	20	17.74	17.56	20.77	119.399	28.74	PASS
		MCS0	106/53	20	17.78	17.62	20.82	120.781	28.74	PASS
161	5805	MCS0	full	18	17.85	17.73	20.91	123.310	28.74	PASS
165	5825	MCS0	full	14	13.83	13.53	16.80	47.863	28.74	PASS
		MCS0	26/8	16.5	13.77	13.47	16.74	47.206	28.74	PASS
		MCS0	52/40	16.5	13.7	13.44	16.69	46.666	28.74	PASS
		MCS0	106/54	16.5	13.67	13.4	16.66	46.345	28.74	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	13	12.76	18.898	23.98	PASS
		MCS0	242/61	13.5	11.75	14.976	23.98	PASS
46	5230	MCS0	full	18	17.85	61.011	23.98	PASS
54	5270	MCS0	full	15.5	15.31	33.994	23.98	PASS
62	5310	MCS0	full	13	12.88	19.427	23.98	PASS
		MCS0	242/62	13	11.32	13.565	23.98	PASS
102	5510	MCS0	full	14	13.89	24.514	23.98	PASS
		MCS0	242/61	9	7.36	5.450	23.98	PASS
110	5550	MCS0	full	15.5	15.31	24.514	23.98	PASS
134	5670	MCS0	full	15.5	15.34	34.230	23.98	PASS
		MCS0	242/62	12	10.42	11.026	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	18	17.07	50.911	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	18	9.73	9.402	30	PASS
151	5755	MCS0	full	18	17.78	60.035	30	PASS
		MCS0	242/61	19.5	17.74	59.485	30	PASS
159	5795	MCS0	full	14	13.80	24.011	30	PASS
		MCS0	242/62	15	13.74	23.681	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	12.64	18.383	23.98	PASS
		MCS0	242/61	13.5	11.62	14.535	23.98	PASS
46	5230	MCS0	full	18	17.66	58.399	23.98	PASS
54	5270	MCS0	full	15.5	15.24	33.451	23.98	PASS
62	5310	MCS0	full	13	12.73	18.767	23.98	PASS
		MCS0	242/62	13	11.21	13.225	23.98	PASS
102	5510	MCS0	full	14	13.73	23.627	23.98	PASS
		MCS0	242/61	9	7.24	5.302	23.98	PASS
110	5550	MCS0	full	15.5	15.21	23.627	23.98	PASS
134	5670	MCS0	full	15.5	15.25	33.528	23.98	PASS
		MCS0	242/62	12	10.29	10.701	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	18	17.11	51.349	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	18	8.72	7.455	30	PASS
151	5755	MCS0	full	18	17.64	58.131	30	PASS
		MCS0	242/61	19.5	17.59	57.465	30	PASS
159	5795	MCS0	full	14	13.67	23.303	30	PASS
		MCS0	242/62	15	13.61	22.983	30	PASS

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802.11ax_HE40_MIMO

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	13	12.85	12.65	15.96	39.446	22.72	PASS
		MCS0	242/61	13.5	11.7	11.52	14.82	30.339	22.72	PASS
46	5230	MCS0	full	18	17.81	17.53	20.88	122.462	22.72	PASS
54	5270	MCS0	full	15.5	15.25	15.12	18.39	69.024	22.72	PASS
62	5310	MCS0	full	12.5	12.84	12.65	15.95	39.355	22.72	PASS
		MCS0	242/62	13	11.23	11.11	14.37	27.353	22.72	PASS
102	5510	MCS0	full	14	13.89	13.57	16.94	49.431	22.72	PASS
		MCS0	242/61	9.5	7.33	7.16	10.45	11.092	22.72	PASS
110	5550	MCS0	full	15	15.21	15.12	18.37	49.431	22.72	PASS
134	5670	MCS0	full	15.5	15.25	15.17	18.41	69.343	22.72	PASS
		MCS0	242/62	13	10.34	10.18	13.47	22.233	22.72	PASS
142	5710(U-NII 2C)	MCS0	full	17.5	16.95	16.98	20.17	103.943	22.72	PASS
142	5710 (U-NII 3)	MCS0	full	17.5	9.62	8.60	12.34	17.136	28.74	PASS
151	5755	MCS0	full	18	17.82	17.6	20.92	123.595	28.74	PASS
		MCS0	242/61	20.5	17.75	17.52	20.84	121.339	28.74	PASS
159	5795	MCS0	full	14	13.8	13.66	16.93	49.317	28.74	PASS
		MCS0	242/62	16	13.7	13.57	16.84	48.306	28.74	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	10.5	10.74	11.854	23.98	PASS
		MCS0	484/65	11.5	9.66	9.244	23.98	PASS
58	5290	MCS0	full	10.5	10.88	12.243	23.98	PASS
		MCS0	484/66	11.5	9.81	9.569	23.98	PASS
106	5530	MCS0	full	10.5	10.89	12.271	23.98	PASS
		MCS0	484/65	12.5	10.84	12.130	23.98	PASS
122	5610	MCS0	full	16	16.20	41.675	23.98	PASS
		MCS0	484/66	17.5	16.28	42.450	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	16.5	16.24	42.110	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	16.5	7.24	5.301	30	PASS
155	5775	MCS0	full	16.5	16.84	48.292	30	PASS
		MCS0	484/65	17.5	15.76	37.659	30	PASS
		MCS0	484/66	18.5	16.75	47.301	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	10.5	10.67	11.665	23.98	PASS
		MCS0	484/65	11.5	9.54	8.992	23.98	PASS
58	5290	MCS0	full	10.5	10.79	11.991	23.98	PASS
		MCS0	484/66	11.5	9.67	9.266	23.98	PASS
106	5530	MCS0	full	10.5	10.79	11.991	23.98	PASS
		MCS0	484/65	12.5	10.74	11.854	23.98	PASS
122	5610	MCS0	full	16	16.06	40.353	23.98	PASS
		MCS0	484/66	17.5	16.15	41.198	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	16.5	16.24	42.083	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	16.5	6.28	4.248	30	PASS
155	5775	MCS0	full	16.5	16.70	46.760	30	PASS
		MCS0	484/65	17.5	15.64	36.633	30	PASS
		MCS0	484/66	18.5	16.62	45.906	30	PASS

802.11ax_HE80_MIMO

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	10.5	10.59	10.42	13.84	24.210	22.72	PASS
		MCS0	484/65	11	9.48	9.33	12.74	18.793	22.72	PASS
58	5290	MCS0	full	10.5	10.68	10.452	13.91	24.604	22.72	PASS
		MCS0	484/66	11	9.63	9.42	12.87	19.384	22.72	PASS
106	5530	MCS0	full	10.5	10.66	10.49	13.91	24.604	22.72	PASS
		MCS0	484/65	12	10.6	10.42	13.85	24.266	22.72	PASS
122	5610	MCS0	full	15.5	16.03	15.86	19.28	84.723	22.72	PASS
		MCS0	484/66	17.5	16.07	15.91	19.33	85.704	22.72	PASS
138	5690(U-NII 2C)	MCS0	full	16.5	16.15	16.11	19.47	88.492	22.72	PASS
138	5690 (U-NII 3)	MCS0	full	16.5	7.14	6.15	10.02	10.040	28.74	PASS
155	5775	MCS0	full	17	16.58	16.48	19.87	97.051	28.74	PASS
		MCS0	484/65	17	15.57	15.42	18.83	76.384	28.74	PASS
		MCS0	484/66	18	16.5	16.39	19.78	95.080	28.74	PASS

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9.5.2 ISED Conducted output power and EIRP

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.71	58.993	23.22	PASS
60	5300	18.30	67.578	23.21	PASS
64	5320	14.85	30.535	23.19	PASS
100	5500	15.72	37.308	23.19	PASS
116	5580	16.36	43.232	23.19	PASS
140	5700	14.77	29.978	23.24	PASS
144	5720(U-NII 2C)	16.36	43.298	22.24	PASS
144	5720 (U-NII 3)	11.53	14.220	30	PASS
149	5745	18.75	74.956	30	PASS
161	5805	18.83	76.349	30	PASS
165	5825	13.65	23.163	30	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.57	57.122	23.18	PASS
60	5300	18.19	65.888	23.18	PASS
64	5320	14.80	30.186	23.18	PASS
100	5500	15.62	36.459	23.19	PASS
116	5580	16.24	42.054	23.19	PASS
140	5700	14.63	29.027	23.2	PASS
144	5720(U-NII 2C)	15.94	39.274	22.24	PASS
144	5720 (U-NII 3)	12.22	16.677	30	PASS
149	5745	18.68	73.757	30	PASS
161	5805	18.71	74.268	30	PASS
165	5825	13.49	22.326	30	PASS

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802.11a_2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	17.77	17.61	20.75	118.850	23.18	PASS
60	5300	18.42	18.30	21.42	138.676	23.18	PASS
64	5320	14.93	14.82	17.93	62.087	23.18	PASS
100	5500	15.86	15.61	18.80	75.858	23.19	PASS
116	5580	16.47	16.34	19.46	88.308	23.19	PASS
140	5700	14.93	14.82	17.93	62.087	23.2	PASS
144	5720(U-NII 2C)	16.52	16.09	19.37	86.503	22.24	PASS
144	5720 (U-NII 3)	11.68	12.37	15.10	32.367	28.74	PASS
149	5745	18.77	18.68	21.78	150.661	28.74	PASS
161	5805	18.85	18.72	21.84	152.757	28.74	PASS
165	5825	13.78	13.49	16.70	46.774	28.74	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.82	60.490	23.47	PASS
60	5300	17.74	59.386	23.46	PASS
64	5320	14.90	30.881	23.46	PASS
100	5500	15.86	38.520	23.45	PASS
116	5580	16.34	43.021	23.46	PASS
140	5700	13.70	23.425	23.48	PASS
144	5720(U-NII 2C)	16.56	45.300	22.4	PASS
144	5720 (U-NII 3)	11.70	14.774	30	PASS
149	5745	17.75	59.523	30	PASS
161	5805	17.83	60.630	30	PASS
165	5825	13.83	24.137	30	PASS

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802.11n_HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.73	59.250	23.46	PASS
60	5300	17.59	57.370	23.46	PASS
64	5320	14.75	29.832	23.46	PASS
100	5500	15.74	37.470	23.46	PASS
116	5580	16.21	41.753	23.47	PASS
140	5700	13.76	23.751	23.46	PASS
144	5720(U-NII 2C)	16.25	42.139	22.41	PASS
144	5720 (U-NII 3)	12.26	16.838	30	PASS
149	5745	17.63	57.901	30	PASS
161	5805	17.64	58.034	30	PASS
165	5825	13.67	23.264	30	PASS

802.11n HT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	17.84	17.68	20.86	121.899	23.46	PASS
60	5300	17.77	17.55	20.76	119.124	23.46	PASS
64	5320	14.92	14.73	17.92	61.944	23.46	PASS
100	5500	16.04	15.69	18.97	78.886	23.45	PASS
116	5580	16.39	16.26	19.42	87.498	23.46	PASS
140	5700	13.86	13.72	16.89	48.865	23.46	PASS
144	5720(U-NII 2C)	16.58	16.16	19.48	88.665	22.4	PASS
144	5720 (U-NII 3)	11.72	12.18	15.05	32.014	28.74	PASS
149	5745	17.88	17.56	20.82	120.781	28.74	PASS
161	5805	17.92	17.64	20.88	122.462	28.74	PASS
165	5825	13.86	13.65	16.85	48.417	28.74	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	17.84	60.776	23.98	PASS
62	5310	12.91	19.531	23.98	PASS
102	5510	13.80	23.974	23.98	PASS
110	5550	17.83	60.637	23.98	PASS
134	5670	17.25	53.056	23.98	PASS
142	5710(U-NII 2C)	16.92	49.249	23.98	PASS
142	5710 (U-NII 3)	10.82	12.089	30	PASS
151	5755	17.86	61.057	30	PASS
159	5795	13.80	23.974	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	17.79	60.081	23.98	PASS
62	5310	12.82	19.131	23.98	PASS
102	5510	13.66	23.213	23.98	PASS
110	5550	17.72	59.120	23.98	PASS
134	5670	17.10	51.255	23.98	PASS
142	5710(U-NII 2C)	17.02	50.335	23.98	PASS
142	5710 (U-NII 3)	9.95	9.884	30	PASS
151	5755	17.74	59.393	30	PASS
159	5795	13.76	23.754	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
54	5270	17.82	17.59	20.88	122.462	23.98	PASS
62	5310	12.97	12.61	15.97	39.537	23.98	PASS
102	5510	13.72	13.59	16.83	48.195	23.98	PASS
110	5550	17.84	17.57	20.88	122.462	23.98	PASS
134	5670	17.23	17.06	20.32	107.647	23.98	PASS
142	5710(U-NII 2C)	16.86	16.90	20.06	101.377	23.98	PASS
142	5710 (U-NII 3)	10.76	9.83	13.50	22.383	28.74	PASS
151	5755	17.78	17.67	20.90	123.027	28.74	PASS
159	5795	13.78	13.62	16.88	48.753	28.74	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.65	58.156	23.47	PASS
60	5300	17.58	57.226	23.46	PASS
64	5320	14.81	30.241	23.46	PASS
100	5500	15.74	37.462	23.45	PASS
116	5580	16.25	42.131	23.46	PASS
140	5700	17.61	57.623	23.48	PASS
144	5720(U-NII 2C)	16.48	44.464	22.4	PASS
144	5720 (U-NII 3)	11.61	14.502	30	PASS
149	5745	17.62	57.756	30	PASS
161	5805	17.66	58.290	30	PASS
165	5825	13.74	23.637	30	PASS

802.11ac_VHT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	17.57	57.095	23.46	PASS
60	5300	17.52	56.441	23.46	PASS
64	5320	14.60	28.814	23.46	PASS
100	5500	15.67	36.864	23.46	PASS
116	5580	16.14	41.077	23.47	PASS
140	5700	17.54	56.702	23.46	PASS
144	5720(U-NII 2C)	16.20	41.648	22.41	PASS
144	5720 (U-NII 3)	12.21	16.642	30	PASS
149	5745	17.53	56.571	30	PASS
161	5805	17.56	56.964	30	PASS
165	5825	13.62	22.993	30	PASS

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802.11ac_VHT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	17.68	17.53	20.70	117.490	23.46	PASS
60	5300	17.65	17.42	20.63	115.611	23.46	PASS
64	5320	14.81	14.65	17.83	60.674	23.46	PASS
100	5500	15.78	15.57	18.77	75.336	23.45	PASS
116	5580	16.31	16.20	19.35	86.099	23.46	PASS
140	5700	13.71	13.56	16.73	47.098	23.46	PASS
144	5720(U-NII 2C)	16.53	16.08	19.41	87.363	22.4	PASS
144	5720 (U-NII 3)	11.67	12.10	14.99	31.533	28.74	PASS
149	5745	17.65	17.49	20.67	116.681	28.74	PASS
161	5805	17.82	17.45	20.74	118.577	28.74	PASS
165	5825	13.71	13.59	16.75	47.315	28.74	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	17.76	59.642	23.98	PASS
62	5310	12.76	18.861	23.98	PASS
102	5510	13.71	23.472	23.98	PASS
110	5550	17.68	58.554	23.98	PASS
134	5670	17.70	58.824	23.98	PASS
142	5710(U-NII 2C)	16.89	48.890	23.98	PASS
142	5710 (U-NII 3)	10.79	12.001	30	#REF!
151	5755	17.69	58.689	30	PASS
159	5795	13.71	23.472	30	PASS

802.11ac_VHT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	17.64	58.017	23.98	PASS
62	5310	12.72	18.688	23.98	PASS
102	5510	13.62	22.991	23.98	PASS
110	5550	17.59	57.353	23.98	PASS
134	5670	17.60	57.485	23.98	PASS
142	5710(U-NII 2C)	16.90	48.943	23.98	PASS
142	5710 (U-NII 3)	9.83	9.610	30	#REF!
151	5755	17.63	57.883	30	PASS
159	5795	13.62	22.991	30	PASS

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802.11ac_VHT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
54	5270	17.69	17.53	20.79	119.950	23.98	PASS
62	5310	12.92	12.55	15.91	38.994	23.98	PASS
102	5510	13.68	13.56	16.80	47.863	23.98	PASS
110	5550	17.69	17.56	20.80	120.226	23.98	PASS
134	5670	17.68	17.52	20.78	119.674	23.98	PASS
142	5710(U-NII 2C)	16.78	16.87	20.00	100.106	23.98	PASS
142	5710 (U-NII 3)	10.68	9.80	13.44	22.088	28.74	PASS
151	5755	17.70	17.60	20.83	121.060	28.74	PASS
159	5795	13.59	13.49	16.72	46.989	28.74	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	10.74	11.851	23.98	PASS
106	5530	10.70	11.742	23.98	PASS
138	5690(U-NII 2C)	16.03	40.064	23.98	PASS
138	5690 (U-NII 3)	8.39	6.898	30	PASS
155	5775	16.82	48.056	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	10.59	11.449	23.98	PASS
106	5530	10.70	11.742	23.98	PASS
138	5710(U-NII 2C)	16.19	41.609	23.98	PASS
138	5690 (U-NII 3)	6.32	4.284	30	PASS
155	5775	16.72	46.963	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
58	5290	10.68	10.41	13.90	24.547	23.98	PASS
106	5530	10.57	10.37	13.83	24.155	23.98	PASS
138	5710(U-NII 2C)	15.92	15.95	19.30	85.066	23.98	PASS
138	5690 (U-NII 3)	8.28	6.08	10.68	11.691	28.74	PASS
155	5775	16.57	16.44	19.86	96.828	28.74	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	full	17.73	59.268	23.74	PASS
60	5300	full	17.78	59.954	23.73	PASS
64	5320	full	14.81	30.256	23.73	PASS
		26/8	12.68	18.528	23.73	PASS
		52/40	14.67	29.297	23.73	PASS
		106/54	14.64	29.095	23.73	PASS
100	5500	full	15.86	38.532	23.72	PASS
		26/0	9.21	8.333	23.72	PASS
		52/37	14.18	26.171	23.72	PASS
		106/53	13.65	23.164	23.72	PASS
116	5580	full	16.83	48.175	23.73	PASS
140	5700	full	15.72	37.309	23.75	PASS
		26/8	6.82	4.806	23.75	PASS
		52/40	11.28	13.422	23.75	PASS
		106/54	11.26	13.360	23.75	PASS
144	5720(U-NII	full	16.43	43.934	22.58	PASS
144	5720 (U-NII 3)	full	11.74	14.925	30	PASS
149	5745	full	17.89	61.492	30	PASS
		26/0	17.83	60.648	30	PASS
		52/37	17.74	59.404	30	PASS
		106/53	17.77	59.816	30	PASS
161	5805	full	17.86	61.068	30	PASS
165	5825	full	13.63	23.058	30	PASS
		26/8	13.71	23.486	30	PASS
		52/40	13.66	23.218	30	PASS
		106/54	13.64	23.111	30	PASS

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802.11ax_HE20_Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	full	17.61	57.652	23.74	PASS
60	5300	full	17.69	58.724	23.73	PASS
64	5320	full	14.64	29.095	23.74	PASS
		26/8	12.55	17.981	23.74	PASS
		52/40	14.63	29.028	23.74	PASS
		106/54	14.60	28.828	23.74	PASS
100	5500	full	15.60	36.293	22.58	PASS
		26/0	9.09	8.106	23.73	PASS
		52/37	14.05	25.399	23.73	PASS
		106/53	13.54	22.585	23.73	PASS
116	5580	full	16.72	46.970	23.72	PASS
140	5700	full	15.59	36.209	23.98	PASS
		26/8	6.75	4.730	23.73	PASS
		52/40	11.23	13.268	23.73	PASS
		106/54	11.18	13.116	23.73	PASS
144	5720(U-NII	full	16.09	40.625	22.58	PASS
144	5720 (U-NII 3)	full	12.24	16.763	30	PASS
149	5745	full	17.73	59.268	30	PASS
		26/0	17.71	58.995	30	PASS
		52/37	17.61	57.652	30	PASS
		106/53	17.65	58.186	30	PASS
161	5805	full	17.78	59.954	30	PASS
165	5825	full	13.51	22.429	30	PASS
		26/8	13.61	22.952	30	PASS
		52/40	13.59	22.846	30	PASS
		106/54	13.57	22.741	30	PASS

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802.11ax_HE20_MIMO

CH	Frequency (MHz)	RU config.	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
52	5260	full	17.83	17.71	20.89	122.744	23.74	PASS
60	5300	full	17.87	17.78	20.94	124.165	23.73	PASS
64	5320	full	14.78	14.60	17.81	60.395	23.73	PASS
		26/8	9.77	9.62	12.81	19.099	23.73	PASS
		52/40	11.73	11.59	14.78	30.061	23.73	PASS
		106/54	14.67	14.46	17.68	58.614	23.73	PASS
100	5500	full	15.81	15.69	18.87	77.090	23.72	PASS
		26/0	9.25	9.08	12.28	16.904	23.72	PASS
		52/37	12.25	12.08	15.28	33.729	23.72	PASS
		106/53	13.70	13.55	16.74	47.206	23.72	PASS
116	5580	full	16.82	16.69	19.87	97.051	23.73	PASS
140	5700	full	15.74	15.60	18.79	75.683	23.73	PASS
		26/8	6.89	6.72	9.92	9.817	23.73	PASS
		52/40	11.28	11.10	14.31	26.977	23.73	PASS
		106/54	11.33	11.16	14.36	27.290	23.73	PASS
144	5720(U-NII)	full	16.57	16.03	19.43	87.670	22.58	PASS
144	5720 (U-NII 3)	full	11.88	12.19	15.16	32.780	28.74	PASS
149	5745	full	17.88	17.75	20.93	123.880	28.74	PASS
		26/0	17.80	17.69	20.86	121.899	28.74	PASS
		52/37	17.74	17.56	20.77	119.399	28.74	PASS
		106/53	17.78	17.62	20.82	120.781	28.74	PASS
161	5805	full	17.85	17.73	20.91	123.310	28.74	PASS
165	5825	full	13.83	13.53	16.80	47.863	28.74	PASS
		26/8	13.77	13.47	16.74	47.206	28.74	PASS
		52/40	13.70	13.44	16.69	46.666	28.74	PASS
		106/54	13.67	13.40	16.66	46.345	28.74	PASS

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802.11ax_HE40_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	full	15.31	33.994	23.98	PASS
62	5310	full	12.88	19.427	23.98	PASS
		242/62	11.32	13.565	23.98	PASS
102	5510	full	13.89	24.514	23.98	PASS
		242/61	7.36	5.450	23.98	PASS
110	5550	full	15.31	33.994	23.98	PASS
134	5670	full	15.34	34.230	23.98	PASS
		242/62	10.42	11.026	23.98	PASS
142	5710(U-NII	full	17.07	50.911	23.98	PASS
142	5710 (U-NII 3)	full	9.73	9.402	30	PASS
151	5755	full	17.78	60.035	30	PASS
		242/61	17.74	59.485	30	PASS
159	5795	full	13.80	24.011	30	PASS
		242/62	13.74	23.681	30	PASS

802.11ax_HE40_Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	full	15.24	33.451	23.98	PASS
62	5310	full	12.73	18.767	23.98	PASS
		242/62	11.21	13.225	23.98	PASS
102	5510	full	13.73	23.627	23.98	PASS
		242/61	7.24	5.302	23.98	PASS
110	5550	full	15.21	33.220	23.98	PASS
134	5670	full	15.25	33.528	23.98	PASS
		242/62	10.29	10.701	23.98	PASS
142	5710(U-NII	full	17.11	51.349	23.98	PASS
142	5710 (U-NII 3)	full	8.72	7.455	30	PASS
151	5755	full	17.64	58.131	30	PASS
		242/61	17.59	57.465	30	PASS
159	5795	full	13.67	23.303	30	PASS
		242/62	13.61	22.983	30	PASS

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802.11ax_HE40_MIMO

CH	Frequency (MHz)	RU config.	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
54	5270	full	15.25	15.12	18.39	69.024	23.98	PASS
62	5310	full	12.84	12.65	15.95	39.355	23.98	PASS
		242/62	11.23	11.11	14.37	27.353	23.98	PASS
102	5510	full	13.89	13.57	16.94	49.431	23.98	PASS
		242/61	7.33	7.16	10.45	11.092	23.98	PASS
110	5550	full	15.21	15.12	18.37	68.707	23.98	PASS
134	5670	full	15.25	15.17	18.41	69.343	23.98	PASS
		242/62	10.34	10.18	13.47	22.233	23.98	PASS
142	5710(U-NII)	full	16.95	16.98	20.17	103.943	23.98	PASS
142	5710 (U-NII 3)	full	9.62	8.60	12.34	17.136	28.74	PASS
151	5755	full	17.82	17.60	20.92	123.595	28.74	PASS
		242/61	17.75	17.52	20.84	121.339	28.74	PASS
159	5795	full	13.80	13.66	16.93	49.317	28.74	PASS
		242/62	13.70	13.57	16.84	48.306	28.74	PASS

802.11ax HE80_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	full	10.88	12.243	23.98	PASS
		484/66	9.81	9.569	23.98	PASS
106	5530	full	10.89	12.271	23.98	PASS
		484/65	10.86	12.186	23.98	PASS
138	5690(U-NII)	full	16.24	42.110	23.98	PASS
138	5690 (U-NII)	full	7.24	5.301	30	PASS
155	5775	full	16.84	48.292	30	PASS
		484/65	15.76	37.659	30	PASS
		484/66	16.75	47.301	30	PASS

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802.11ax HE80 Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	full	10.79	11.991	23.98	PASS
		484/66	9.67	9.266	23.98	PASS
106	5530	full	10.79	11.991	23.98	PASS
		484/65	10.74	11.854	23.98	PASS
138	5690(U-NII)	full	16.24	42.083	23.98	PASS
138	5690 (U-NII)	full	6.28	4.248	30	PASS
155	5775	full	16.70	46.760	30	PASS
		484/65	15.64	36.633	30	PASS
		484/66	16.62	45.906	30	PASS

802.11ax HE80 MIMO

CH	Frequency (MHz)	RU config.	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
58	5290	full	10.68	10.45	13.91	24.604	23.98	PASS
		484/66	9.63	9.42	12.87	19.364	23.98	PASS
106	5530	full	10.66	10.49	13.91	24.604	23.98	PASS
		484/65	10.63	10.40	13.86	24.322	23.98	PASS
138	5690(U-NII)	full	16.15	16.11	19.47	88.492	23.98	PASS
138	5690 (U-NII)	full	7.14	6.15	10.02	10.040	28.74	PASS
155	5775	full	16.58	16.48	19.87	97.051	28.74	PASS
		484/65	15.57	15.42	18.83	76.384	28.74	PASS
		484/66	16.50	16.39	19.78	95.060	28.74	PASS

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802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.20	4.25	14.45	27.861	22.18	PASS
40	5200	10.16	4.25	14.41	27.606	22.19	PASS
48	5240	10.11	4.25	14.36	27.290	22.19	PASS
52	5260	17.71	4.25	21.96	157.036	29.22	PASS
60	5300	18.30	4.25	22.55	179.887	29.21	PASS
64	5320	14.85	4.25	19.10	81.283	29.19	PASS
100	5500	15.72	4.25	19.97	99.312	29.19	PASS
116	5580	16.36	4.25	20.61	115.080	29.19	PASS
140	5700	14.77	4.25	19.02	79.799	29.24	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.11	4.250	14.36	27.290	23.01	PASS
40	5200	10.07	4.250	14.32	27.040	23.01	PASS
48	5240	10.00	4.250	14.25	26.607	23.01	PASS
52	5260	17.57	4.250	21.82	152.055	30	PASS
60	5300	18.19	4.250	22.44	175.388	30	PASS
64	5320	14.80	4.250	19.05	80.353	30	PASS
100	5500	15.62	4.250	19.87	97.051	30	PASS
116	5580	16.24	4.250	20.49	111.944	30	PASS
140	5700	14.63	4.250	18.88	77.268	30	PASS

802.11a_2TX

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	13.26	7.26	20.52	112.720	22.18	PASS
40	5200	13.23	7.26	20.49	111.944	22.19	PASS
48	5240	13.20	7.26	20.46	111.173	22.19	PASS
52	5260	20.75	7.26	28.01	632.412	30	PASS
60	5300	21.42	7.26	28.68	737.904	30	PASS
64	5320	17.93	7.26	25.19	330.370	30	PASS
100	5500	18.80	7.26	26.06	403.645	29.19	PASS
116	5580	19.46	7.26	26.72	469.894	30	PASS
140	5700	17.93	7.26	25.19	330.370	30	PASS

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802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.30	4.25	14.55	28.510	22.46	PASS
40	5200	10.24	4.25	14.49	28.119	22.46	PASS
48	5240	10.18	4.25	14.43	27.733	22.46	PASS
52	5260	17.82	4.25	22.07	161.065	29.47	PASS
60	5300	17.74	4.25	21.99	158.125	29.46	PASS
64	5320	14.90	4.25	19.15	82.224	29.46	PASS
100	5500	15.86	4.25	20.11	102.565	29.45	PASS
116	5580	16.34	4.25	20.59	114.551	29.46	PASS
140	5700	13.70	4.25	17.95	62.373	29.48	PASS

802.11n_HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.20	4.250	14.45	27.861	23.01	PASS
40	5200	10.14	4.250	14.39	27.479	23.01	PASS
48	5240	10.02	4.250	14.27	26.730	23.01	PASS
52	5260	17.73	4.250	21.98	157.761	30	PASS
60	5300	17.59	4.250	21.84	152.757	30	PASS
64	5320	14.75	4.250	19.00	79.433	30	PASS
100	5500	15.74	4.250	19.99	99.770	30	PASS
116	5580	16.21	4.250	20.46	111.173	30	PASS
140	5700	13.76	4.250	18.01	63.241	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.06	7.26	21.32	135.519	22.46	PASS
40	5200	14.02	7.26	21.28	134.276	22.46	PASS
48	5240	14.10	7.26	21.36	136.773	22.46	PASS
52	5260	20.78	7.26	28.04	636.796	29.46	PASS
60	5300	20.65	7.26	27.91	618.016	29.46	PASS
64	5320	17.83	7.26	25.09	322.849	29.46	PASS
100	5500	18.79	7.26	26.05	402.717	29.45	PASS
116	5580	19.36	7.26	26.62	459.198	29.46	PASS
140	5700	16.89	7.26	24.15	260.016	29.46	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	12.42	4.25	16.67	46.452	23.01	PASS
46	5230	12.35	4.25	16.60	45.709	23.01	PASS
54	5270	17.84	4.25	22.09	161.808	30	PASS
62	5310	12.91	4.25	17.16	52.000	30	PASS
102	5510	13.80	4.25	18.05	63.826	30	PASS
110	5550	17.83	4.25	22.08	161.436	30	PASS
134	5670	17.25	4.25	21.50	141.254	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	12.31	4.250	16.56	45.290	23.01	PASS
46	5230	12.07	4.250	16.32	42.855	23.01	PASS
54	5270	17.79	4.250	22.04	159.956	30	PASS
62	5310	12.82	4.250	17.07	50.933	30	PASS
102	5510	13.66	4.250	17.91	61.802	30	PASS
110	5550	17.72	4.250	21.97	157.398	30	PASS
134	5670	17.10	4.250	21.35	136.458	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	15.47	7.26	22.73	187.499	23.01	PASS
46	5230	15.38	7.26	22.64	183.654	23.01	PASS
54	5270	20.88	7.26	28.14	651.628	30	PASS
62	5310	15.97	7.26	23.23	210.378	30	PASS
102	5510	16.83	7.26	24.09	256.448	30	PASS
110	5550	20.88	7.26	28.14	651.628	30	PASS
134	5670	20.32	7.26	27.58	572.796	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.66	4.25	15.91	38.994	22.46	PASS
40	5200	11.61	4.25	15.86	38.548	22.46	PASS
48	5240	11.68	4.25	15.93	39.174	22.46	PASS
52	5260	17.65	4.25	21.90	154.882	29.47	PASS
60	5300	17.58	4.25	21.83	152.405	29.46	PASS
64	5320	14.81	4.25	19.06	80.538	29.46	PASS
100	5500	15.74	4.25	19.99	99.770	29.45	PASS
116	5580	16.25	4.25	20.50	112.202	29.46	PASS
140	5700	17.61	4.25	21.86	153.462	29.48	PASS

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802.11ac_VHT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.54	4.250	15.79	37.931	23.01	PASS
40	5200	11.50	4.250	15.75	37.584	23.01	PASS
48	5240	11.56	4.250	15.81	38.107	23.01	PASS
52	5260	17.57	4.250	21.82	152.055	30	PASS
60	5300	17.52	4.250	21.77	150.314	30	PASS
64	5320	14.60	4.250	18.85	76.736	30	PASS
100	5500	15.67	4.250	19.92	98.175	30	PASS
116	5580	16.14	4.250	20.39	109.396	30	PASS
140	5700	17.54	4.250	21.79	151.008	30	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.70	7.26	21.96	157.036	22.46	PASS
40	5200	14.72	7.26	21.98	157.761	22.46	PASS
48	5240	14.78	7.26	22.04	159.956	22.46	PASS
52	5260	20.70	7.26	27.96	625.173	29.46	PASS
60	5300	20.63	7.26	27.89	615.177	29.46	PASS
64	5320	17.83	7.26	25.09	322.849	29.46	PASS
100	5500	18.77	7.26	26.03	400.867	29.45	PASS
116	5580	19.35	7.26	26.61	458.142	29.46	PASS
140	5700	20.81	7.26	28.07	641.210	29.46	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	12.37	4.25	16.62	45.920	23.01	PASS
46	5230	12.22	4.25	16.47	44.361	23.01	PASS
54	5270	17.76	4.25	22.01	158.855	30	PASS
62	5310	12.76	4.25	17.01	50.234	30	PASS
102	5510	13.71	4.25	17.96	62.517	30	PASS
110	5550	17.68	4.25	21.93	155.955	30	PASS
134	5670	17.70	4.25	21.95	156.675	30	PASS

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802.11ac_VHT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	12.25	4.250	16.50	44.668	23.01	PASS
46	5230	12.14	4.250	16.39	43.551	23.01	PASS
54	5270	17.64	4.250	21.89	154.525	30	PASS
62	5310	12.72	4.250	16.97	49.774	30	PASS
102	5510	13.62	4.250	17.87	61.235	30	PASS
110	5550	17.59	4.250	21.84	152.757	30	PASS
134	5670	17.60	4.250	21.85	153.109	30	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	15.40	7.26	22.66	184.502	23.01	PASS
46	5230	15.31	7.26	22.57	180.717	23.01	PASS
54	5270	20.79	7.26	28.05	638.263	30	PASS
62	5310	15.91	7.26	23.17	207.491	30	PASS
102	5510	16.80	7.26	24.06	254.683	30	PASS
110	5550	20.80	7.26	28.06	639.735	30	PASS
134	5670	20.78	7.26	28.04	636.796	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.82	4.25	15.07	32.137	23.01	PASS
58	5290	10.74	4.25	14.99	31.550	30	PASS
106	5530	10.70	4.25	14.95	31.261	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.67	4.250	14.92	31.046	23.01	PASS
58	5290	10.59	4.250	14.84	30.479	30	PASS
106	5530	10.70	4.250	14.95	31.261	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	13.82	7.26	21.08	128.233	23.01	PASS
58	5290	13.90	7.26	21.16	130.617	30	PASS
106	5530	13.83	7.26	21.09	128.529	30	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	full	10.19	4.25	14.44	27.797	22.74	PASS
		26/0	3.76	4.25	8.01	6.324	22.74	PASS
		52/37	4.85	4.25	9.10	8.128	22.74	PASS
		106/53	8.39	4.25	12.64	18.365	22.74	PASS
40	5200	full	10.23	4.25	14.48	28.054	22.74	PASS
48	5240	full	10.20	4.25	14.45	27.861	22.73	PASS
52	5260	full	17.73	4.25	21.98	157.761	29.74	PASS
60	5300	full	17.78	4.25	22.03	159.588	29.73	PASS
64	5320	full	14.81	4.25	19.06	80.538	29.73	PASS
		26/8	12.68	4.25	16.93	49.317	29.73	PASS
		52/40	14.67	4.25	18.92	77.983	29.73	PASS
		106/54	14.64	4.25	18.89	77.446	29.73	PASS
100	5500	full	15.86	4.25	20.11	102.565	29.72	PASS
		26/0	9.21	4.25	13.46	22.182	29.72	PASS
		52/37	14.18	4.25	18.43	69.663	29.72	PASS
		106/53	13.65	4.25	17.90	61.660	29.72	PASS
116	5580	full	16.83	4.25	21.08	128.233	29.73	PASS
140	5700	full	15.72	4.25	19.97	99.312	29.75	PASS
		26/8	6.82	4.25	11.07	12.794	29.75	PASS
		52/40	11.28	4.25	15.53	35.727	29.75	PASS
		106/54	11.26	4.25	15.51	35.563	29.75	PASS

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802.11ax_HE20_Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	full	10.06	4.250	14.31	26.977	23.01	PASS
		26/0	3.63	4.250	7.88	6.138	23.01	PASS
		52/37	4.72	4.250	8.97	7.889	23.01	PASS
		106/53	8.25	4.250	12.50	17.783	23.01	PASS
40	5200	full	10.14	4.250	14.39	27.479	23.01	PASS
48	5240	full	10.09	4.250	14.34	27.164	23.01	PASS
52	5260	full	17.61	4.250	21.86	153.462	30	PASS
60	5300	full	17.69	4.250	21.94	156.315	30	PASS
64	5320	full	14.64	4.250	18.89	77.446	30	PASS
		26/8	12.55	4.250	16.80	47.863	30	PASS
		52/40	14.63	4.250	18.88	77.268	30	PASS
		106/54	14.60	4.250	18.85	76.736	30	PASS
100	5500	full	15.60	4.250	19.85	96.605	30	PASS
		26/0	9.09	4.250	13.34	21.577	30	PASS
		52/37	14.05	4.250	18.30	67.608	30	PASS
		106/53	13.54	4.250	17.79	60.117	30	PASS
116	5580	full	16.72	4.250	20.97	125.026	30	PASS
140	5700	full	15.59	4.250	19.84	96.383	30	PASS
		26/8	6.75	4.250	11.00	12.589	30	PASS
		52/40	11.23	4.250	15.48	35.318	30	PASS
		106/54	11.18	4.250	15.43	34.914	30	PASS

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802.11ax HE20 MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	full	13.22	7.26	20.48	111.686	23.01	PASS
		26/0	6.90	7.26	14.16	26.062	23.01	PASS
		52/37	7.93	7.26	15.19	33.037	23.01	PASS
		106/53	11.35	7.26	18.61	72.611	23.01	PASS
40	5200	full	13.30	7.26	20.56	113.763	23.01	PASS
48	5240	full	13.23	7.26	20.49	111.944	23.01	PASS
52	5260	full	20.89	7.26	28.15	653.131	30	PASS
60	5300	full	20.94	7.26	28.20	660.693	29.73	PASS
64	5320	full	17.81	7.26	25.07	321.366	29.73	PASS
		26/8	12.81	7.26	20.07	101.625	29.73	PASS
		52/40	14.78	7.26	22.04	159.956	29.73	PASS
		106/54	17.68	7.26	24.94	311.889	29.73	PASS
100	5500	full	18.87	7.26	26.13	410.204	29.72	PASS
		26/0	12.28	7.26	19.54	89.950	29.72	PASS
		52/37	15.28	7.26	22.54	179.473	29.72	PASS
		106/53	16.74	7.26	24.00	251.189	29.72	PASS
116	5580	full	19.87	7.26	27.13	516.416	29.73	PASS
140	5700	full	18.79	7.26	26.05	402.717	29.73	PASS
		26/8	9.92	7.26	17.18	52.240	29.73	PASS
		52/40	14.31	7.26	21.57	143.549	29.73	PASS
		106/54	14.36	7.26	21.62	145.211	29.73	PASS

802.11ax_HE40_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	full	12.76	4.25	17.01	50.234	23.01	PASS
		242/61	10.79	4.25	15.04	31.915	23.01	PASS
46	5230	full	12.58	4.25	16.83	48.195	23.01	PASS
54	5270	full	15.31	4.25	19.56	90.365	30	PASS
62	5310	full	12.88	4.25	17.13	51.642	30	PASS
		242/62	11.32	4.25	15.57	36.058	30	PASS
102	5510	full	13.89	4.25	18.14	65.163	30	PASS
		242/61	7.36	4.25	11.61	14.488	30	PASS
110	5550	full	15.31	4.25	19.56	90.365	30	PASS
134	5670	full	15.34	4.25	19.59	90.991	30	PASS
		242/62	10.42	4.25	14.67	29.309	30	PASS

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802.11ax_HE40_Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	full	12.64	4.250	16.89	48.865	23.01	PASS
		242/61	10.68	4.250	14.93	31.117	23.01	PASS
46	5230	full	12.44	4.250	16.69	46.666	23.01	PASS
54	5270	full	15.24	4.250	19.49	88.920	30	PASS
62	5310	full	12.73	4.250	16.98	49.888	30	PASS
		242/62	11.21	4.250	15.46	35.156	30	PASS
102	5510	full	13.73	4.250	17.98	62.806	30	PASS
		242/61	7.24	4.250	11.49	14.093	30	PASS
110	5550	full	15.21	4.250	19.46	88.308	30	PASS
134	5670	full	15.25	4.250	19.50	89.125	30	PASS
		242/62	10.29	4.250	14.54	28.445	30	PASS

802.11ax_HE40_MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	full	15.71	7.26	22.97	198.153	23.01	PASS
		242/61	13.89	7.26	21.15	130.317	23.01	PASS
46	5230	full	15.63	7.26	22.89	194.536	23.01	PASS
54	5270	full	18.39	7.26	25.65	367.282	25.73	PASS
62	5310	full	15.95	7.26	23.21	209.411	25.74	PASS
		242/62	14.37	7.26	21.63	145.546	25.74	PASS
102	5510	full	16.94	7.26	24.20	263.027	25.75	PASS
		242/61	10.45	7.26	17.71	59.020	25.75	PASS
110	5550	full	18.37	7.26	25.63	365.595	25.73	PASS
134	5670	full	18.41	7.26	25.67	368.978	25.75	PASS
		242/62	13.47	7.26	20.73	118.304	25.75	PASS

802.11ax_HE80_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	full	10.74	4.25	14.99	31.550	23.01	PASS
		484/65	9.66	4.25	13.91	24.604	23.01	PASS
58	5290	full	10.88	4.25	15.13	32.584	30	PASS
		484/66	9.81	4.25	14.06	25.468	30	PASS
106	5530	full	10.89	4.25	15.14	32.659	30	PASS
		484/65	10.86	4.25	15.11	32.434	30	PASS

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802.11ax_HE80_Ch1

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	full	10.67	4.250	14.92	31.046	23.01	PASS
		484/65	9.54	4.250	13.79	23.933	23.01	PASS
58	5290	full	10.79	4.250	15.04	31.915	30	PASS
		484/66	9.67	4.250	13.92	24.660	30	PASS
106	5530	full	10.79	4.250	15.04	31.915	30	PASS
		484/65	10.74	4.250	14.99	31.550	30	PASS

802.11ax_HE80_MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	full	13.84	7.26	21.10	128.825	23.01	PASS
		484/65	12.74	7.26	20.00	100.000	23.01	PASS
58	5290	full	13.91	7.26	21.17	130.918	28.89	PASS
		484/66	12.87	7.26	20.13	103.039	28.89	PASS
106	5530	full	13.91	7.26	21.17	130.918	28.89	PASS
		484/65	13.86	7.26	21.12	129.420	28.89	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

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 directional gain of the antenna.

FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247 §6.2.1~6.2.4	
			EIRP Density	Power Density
5150~5250		OEM devices installed in vehicles	N/A	N/A
	V	Other device	10 dBm/MHz	N/A
5250~5350		OEM devices installed in vehicles	N/A	N/A
	V	Other device	N/A	11 dBm/MHz
5470-5600 and 5650-5725	V	All		11 dBm/MHz
5725~5850	V	All	N/A	30 dBm/500kHz

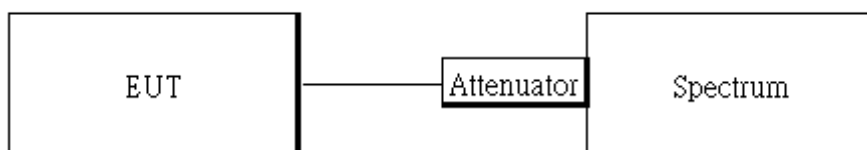
For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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10.2 Test Setup



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 $10 \log(500 \text{ kHz/RBW})$ 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 $10 \log(1/\text{duty cycle})$.
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.
8. 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.

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.

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

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

$g_{j,k} = 1/20 \cdot 10G_k$ 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 greater than 6 dBi in MIMO mode, therefore the the power density limit attenuation has been applied in the test results.

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	4.23	3.59	0.00	6.93		9.74 dBm/MHz	-2.81
5200	6.70	6.47	0.00	9.60		9.74 dBm/MHz	-0.14
5240	6.27	6.12	0.00	9.20		9.74 dBm/MHz	-0.54
5260	6.79	5.75	0.00	9.31		9.74 dBm/MHz	-0.43
5300	6.65	6.55	0.00	9.61		9.74 dBm/MHz	-0.13
5320	3.04	3.04	0.00	6.05		9.74 dBm/MHz	-3.69
5500	5.09	5.23	0.00	8.17		9.74 dBm/MHz	-1.57
5580	6.83	6.56	0.00	9.71		9.74 dBm/MHz	-0.03
5700	6.07	5.77	0.00	8.93		9.74 dBm/MHz	-0.81
5720 (U-NII 2C)	6.73	6.62	0.00	9.69		9.74 dBm/MHz	-0.05
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)	1.53	1.35	0.00	2.22	6.67	28.74 dBm/500kHz	-22.07
5745	2.59	3.33	0.00	2.22	8.21	28.74 dBm/500kHz	-20.53
5805	2.21	3.19	0.00	2.22	7.96	28.74 dBm/500kHz	-20.78
5825	-2.99	-2.09	0.00	2.22	2.71	28.74 dBm/500kHz	-26.03

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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	3.57	3.04	0.00	6.32		9.74 dBm/MHz	-3.42
5200	7.00	6.04	0.00	9.56		9.74 dBm/MHz	-0.18
5240	6.14	6.24	0.00	9.20		9.74 dBm/MHz	-0.54
5260	4.97	5.84	0.00	8.44		9.74 dBm/MHz	-1.30
5300	4.72	5.19	0.00	7.97		9.74 dBm/MHz	-1.77
5320	1.89	2.39	0.00	5.16		9.74 dBm/MHz	-4.58
5500	4.64	3.53	0.00	7.13		9.74 dBm/MHz	-2.61
5580	6.62	6.45	0.00	9.55		9.74 dBm/MHz	-0.19
5700	6.16	4.87	0.00	8.57		9.74 dBm/MHz	-1.17
5720 (U-NII 2C)	6.01	4.98	0.00	8.54		9.74 dBm/MHz	-1.20
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)	0.91	-0.56	0.00	2.22	5.47	28.74 dBm/500kHz	-23.27
5745	1.63	0.14	0.00	2.22	6.18	28.74 dBm/500kHz	-22.56
5805	1.10	0.32	0.00	2.22	5.96	28.74 dBm/500kHz	-22.78
5825	-3.02	-3.73	0.00	2.22	1.87	28.74 dBm/500kHz	-26.87
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	-1.48	-1.85	0.17	1.52		9.74 dBm/MHz	-8.22
5230	3.29	3.07	0.17	6.36		9.74 dBm/MHz	-3.38
5270	2.21	2.99	0.17	5.79		9.74 dBm/MHz	-3.95
5310	-2.81	-2.39	0.17	0.59		9.74 dBm/MHz	-9.15
5510	-0.45	-1.80	0.17	2.11		9.74 dBm/MHz	-7.63
5550	4.02	3.45	0.17	6.92		9.74 dBm/MHz	-2.82
5670	3.06	1.40	0.17	5.49		9.74 dBm/MHz	-4.25
5710 (U-NII 2C)	3.29	1.84	0.17	5.81		9.74 dBm/MHz	-3.93
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)	-2.72	-3.42	0.17	2.22	2.34	28.74 dBm/500kHz	-26.40
5755	-1.74	-3.14	0.17	2.22	3.02	28.74 dBm/500kHz	-25.72
5795	-6.00	-7.22	0.17	2.22	-1.17	28.74 dBm/500kHz	-29.91

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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	-7.27	-7.10	0.35	-3.82		9.74 dBm/MHz	-13.56
5290	-7.86	-7.67	0.35	-4.40		9.74 dBm/MHz	-14.14
5530	-6.78	-7.53	0.35	-3.78		9.74 dBm/MHz	-13.52
5610	-0.36	-0.87	0.35	2.76		9.74 dBm/MHz	-6.98
5690 (U-NII 2C)	-1.60	-2.65	0.35	1.27		9.74 dBm/MHz	-8.47
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)
5690 (U-NII 3)	-6.56	-7.32	0.35	2.22	-1.34	28.74 dBm/500kHz	-30.08
5775	-6.45	-7.16	0.35	2.22	-1.21	28.74 dBm/500kHz	-29.95

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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	3.98	3.19	0.11	6.72		9.74 dBm/MHz	-3.02
	26/0	6.00	6.84	0.11	9.56		9.74 dBm/MHz	-0.18
	52/37	5.58	6.16	0.11	8.99		9.74 dBm/MHz	-0.75
	106/53	4.79	4.83	0.11	7.93		9.74 dBm/MHz	-1.81
5200	full	6.64	6.58	0.11	9.73		9.74 dBm/MHz	-0.01
5240	full	6.32	6.24	0.11	9.40		9.74 dBm/MHz	-0.34
5260	full	5.72	6.40	0.11	9.19		9.74 dBm/MHz	-0.55
5300	full	5.02	5.40	0.11	8.33		9.74 dBm/MHz	-1.41
5320	full	1.69	2.08	0.11	5.01		9.74 dBm/MHz	-4.73
	26/8	5.28	5.99	0.11	8.77		9.74 dBm/MHz	-0.97
	52/40	6.32	5.88	0.11	9.22		9.74 dBm/MHz	-0.52
	106/54	5.84	5.92	0.11	9.00		9.74 dBm/MHz	-0.74
5500	full	4.30	2.78	0.11	6.72		9.74 dBm/MHz	-3.02
	26/0	5.48	5.79	0.11	8.76		9.74 dBm/MHz	-0.98
	52/37	5.76	6.02	0.11	9.01		9.74 dBm/MHz	-0.73
	106/53	4.73	4.75	0.11	7.86		9.74 dBm/MHz	-1.88
5580	full	6.41	6.33	0.11	9.49		9.74 dBm/MHz	-0.25
5700	full	5.73	4.52	0.11	8.29		9.74 dBm/MHz	-1.45
	26/8	4.18	4.16	0.11	7.29		9.74 dBm/MHz	-2.45
	52/40	5.87	5.51	0.11	8.81		9.74 dBm/MHz	-0.93
	106/54	2.04	2.00	0.11	5.14		9.74 dBm/MHz	-4.60
5720 (U-NII 2C)	full	6.23	5.19	0.11	8.86		9.74 dBm/MHz	-0.88
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	1.02	-0.20	0.11	2.22	5.79	28.74 dBm/500kHz	-22.95
5745	full	1.16	-0.33	0.11	2.22	5.82	28.74 dBm/500kHz	-22.92
	26/0	9.50	9.95	0.11	2.22	15.07	28.74 dBm/500kHz	-13.67
	52/37	7.54	7.45	0.11	2.22	12.83	28.74 dBm/500kHz	-15.91
	106/53	4.15	4.45	0.11	2.22	9.64	28.74 dBm/500kHz	-19.10
5805	full	0.88	-0.14	0.11	2.22	5.74	28.74 dBm/500kHz	-23.00
5825	full	-0.14	-0.14	0.11	2.22	5.20	28.74 dBm/500kHz	-23.54
	26/8	5.89	6.02	0.11	2.22	11.29	28.74 dBm/500kHz	-17.45
	52/40	3.84	3.21	0.11	2.22	8.87	28.74 dBm/500kHz	-19.87
	106/54	1.33	0.48	0.11	2.22	6.27	28.74 dBm/500kHz	-22.47

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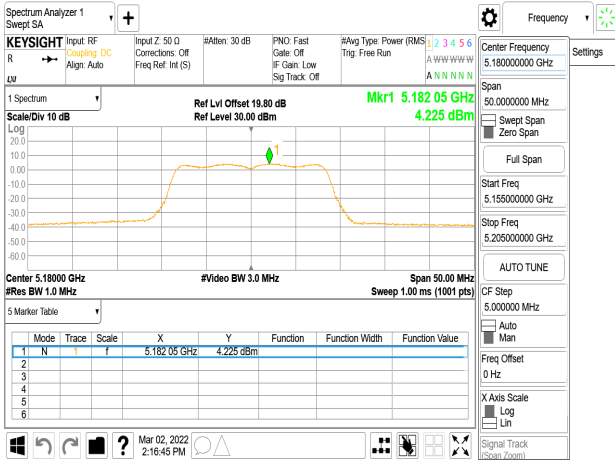
POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	-1.29	-1.61	0.19	1.75		9.74 dBm/MHz	-7.99
	242/61	-0.27	-0.34	0.19	2.89		9.74 dBm/MHz	-6.85
5230	full	3.47	3.29	0.19	6.58		9.74 dBm/MHz	-3.16
5270	full	1.48	-0.01	0.19	4.00		9.74 dBm/MHz	-5.74
5310	full	-3.00	-2.89	0.19	0.26		9.74 dBm/MHz	-9.48
	242/62	0.17	0.15	0.19	3.36		9.74 dBm/MHz	-6.38
5510	full	-0.22	-1.42	0.19	2.42		9.74 dBm/MHz	-7.32
	242/61	-4.05	-4.17	0.19	-0.91		9.74 dBm/MHz	-10.65
5550	full	1.57	1.64	0.19	4.81		9.74 dBm/MHz	-4.93
5670	full	0.79	0.73	0.19	3.96		9.74 dBm/MHz	-5.78
	242/62	0.46	0.84	0.19	3.85		9.74 dBm/MHz	-5.89
5710 (U-NII 2C)	full	3.26	1.41	0.19	5.63		9.74 dBm/MHz	-4.11
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	-2.14	-3.20	0.19	2.22	2.78	28.74 dBm/500kHz	-25.96
5755	full	-1.76	-3.06	0.19	2.22	3.06	28.74 dBm/500kHz	-25.68
	242/61	2.38	1.76	0.19	2.22	7.50	28.74 dBm/500kHz	-21.24
5795	full	-5.69	-6.86	0.19	2.22	-0.81	28.74 dBm/500kHz	-29.55
	242/62	-1.61	-1.83	0.19	2.22	3.70	28.74 dBm/500kHz	-25.04
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	-6.96	-6.69	0.33	-3.48		9.74 dBm/MHz	-13.22
	484/65	-5.67	-6.35	0.33	-2.66		9.74 dBm/MHz	-12.40
5290	full	-7.76	-7.67	0.33	-4.37		9.74 dBm/MHz	-14.11
	484/66	-6.04	-6.11	0.33	-2.73		9.74 dBm/MHz	-12.47
5530	full	-6.45	-7.07	0.33	-3.41		9.74 dBm/MHz	-13.15
	484/65	-6.08	-6.15	0.33	-2.78		9.74 dBm/MHz	-12.52
5610	full	-0.41	-1.49	0.33	2.42		9.74 dBm/MHz	-7.32
	484/66	-0.22	0.25	0.33	3.36		9.74 dBm/MHz	-6.38
5690 (U-NII 2C)	full	-1.34	-2.85	0.33	1.31		9.74 dBm/MHz	-8.43
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	-6.62	-7.85	0.33	2.22	-1.63	28.74 dBm/500kHz	-30.37
5775	full	-5.59	-7.34	0.33	2.22	-0.81	28.74 dBm/500kHz	-29.55
	484/65	-5.79	-5.45	0.33	2.22	-0.05	28.74 dBm/500kHz	-28.79
	484/66	-4.86	-4.45	0.33	2.22	0.91	28.74 dBm/500kHz	-27.83

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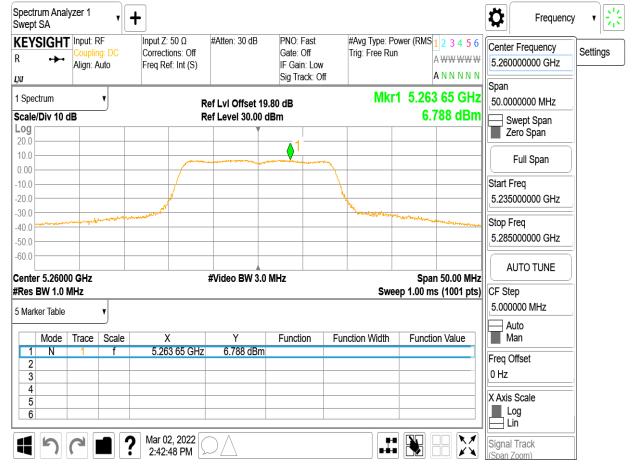
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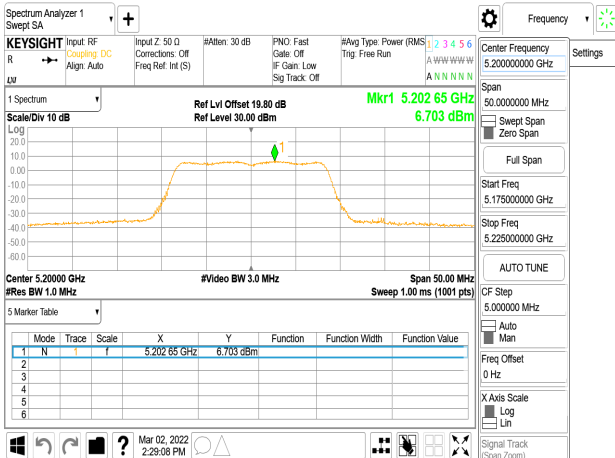
802.11a_20MHz_Chain0_5180MHz



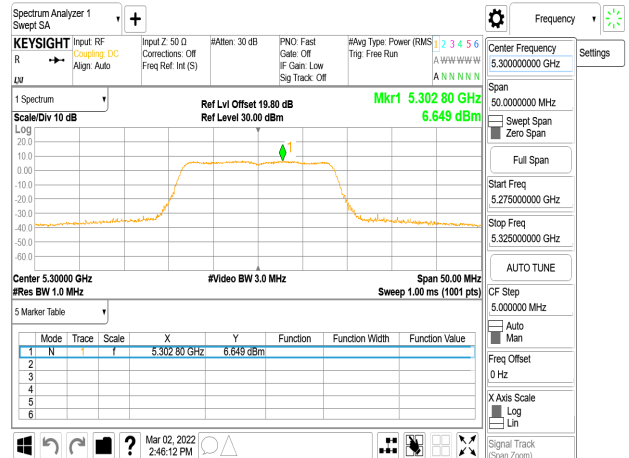
802.11a_20MHz_Chain0_5260MHz



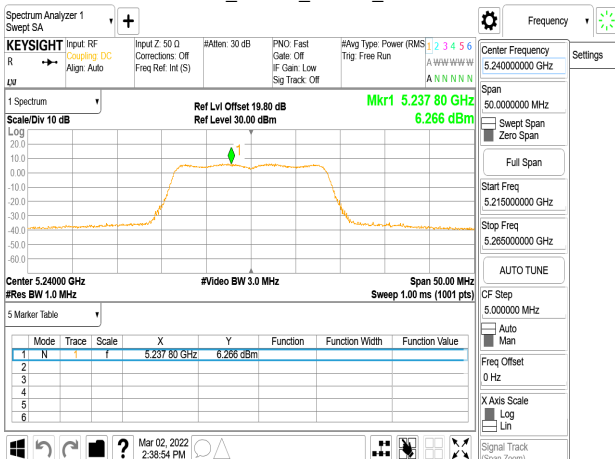
802.11a_20MHz_Chain0_5202MHz



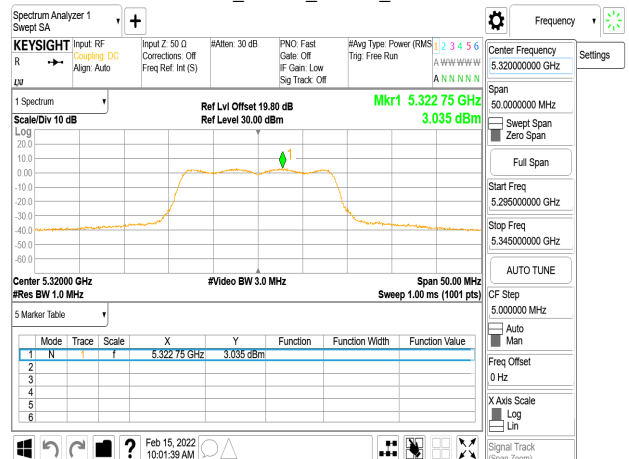
802.11a_20MHz_Chain0_5300MHz



802.11a_20MHz_Chain0_5240MHz



802.11a_20MHz_Chain0_5320MHz

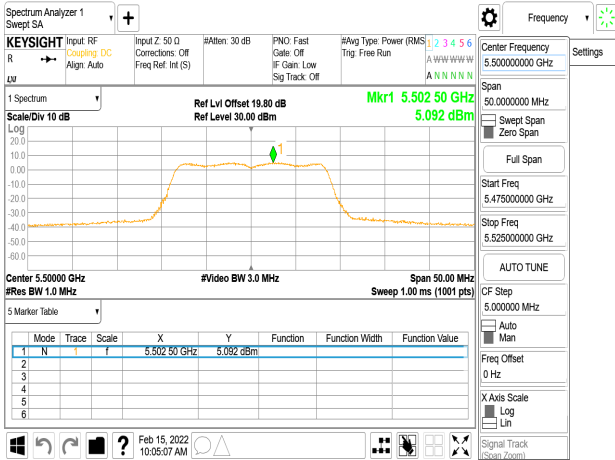


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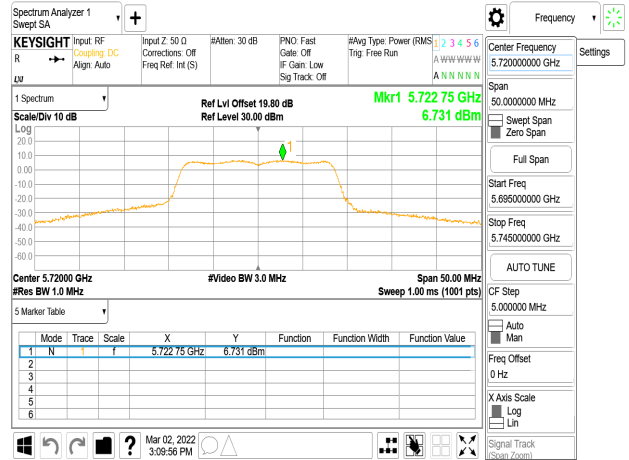
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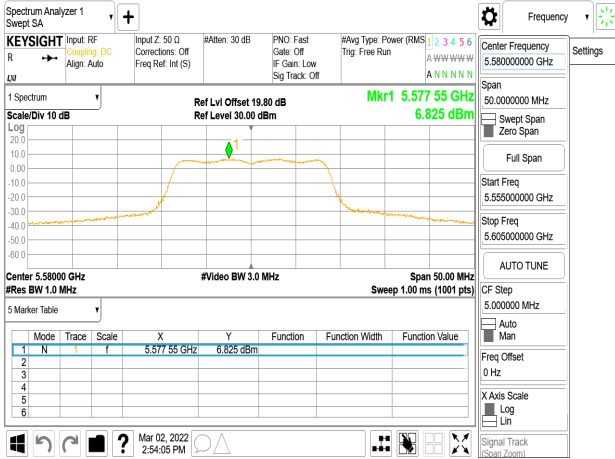
802.11a_20MHz_Chain0_5500MHz



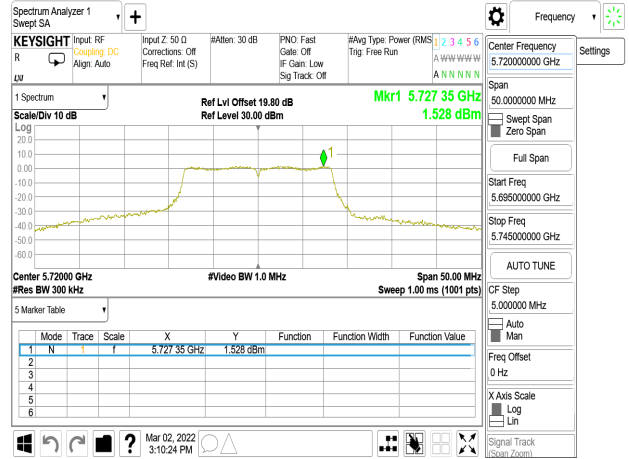
802.11a_20MHz_Chain0_5720MHz_UNII 2C



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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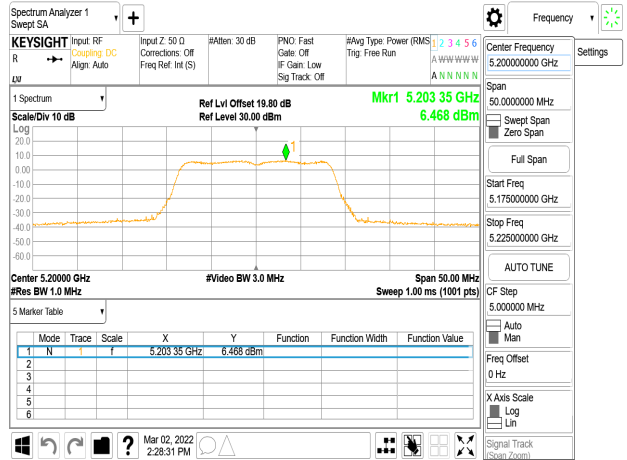
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802.11a_20MHz_Chain0_5805MHz



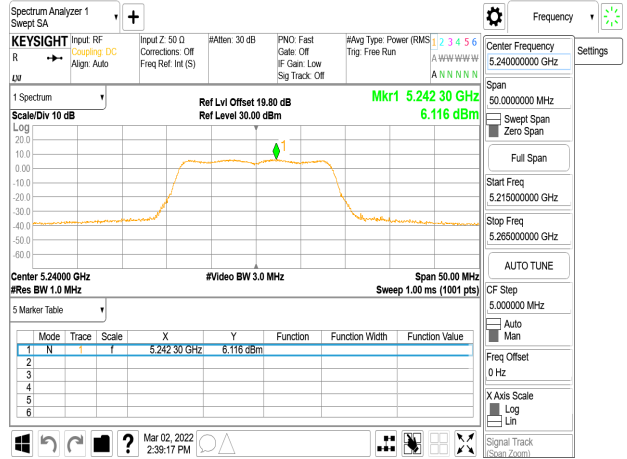
802.11a_20MHz_Chain1_5220MHz



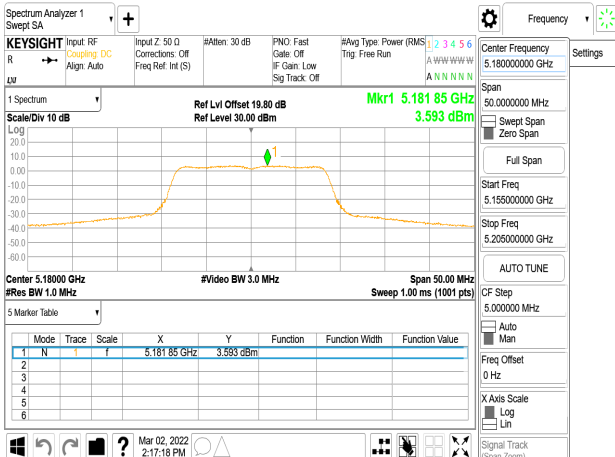
802.11a_20MHz_Chain0_5825MHz



802.11a_20MHz_Chain1_5240MHz



802.11a_20MHz_Chain1_5180MHz



802.11a_20MHz_Chain1_5260MHz



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