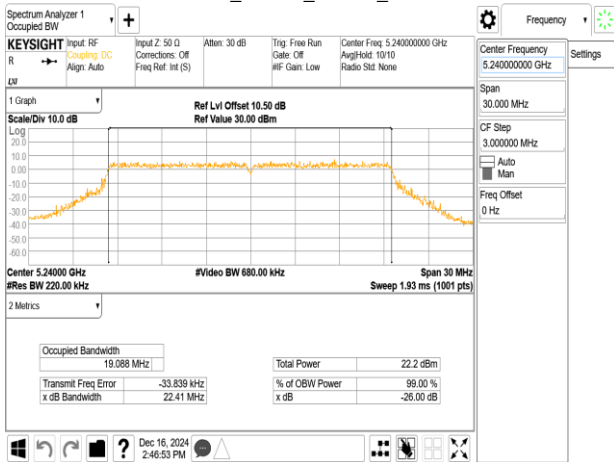
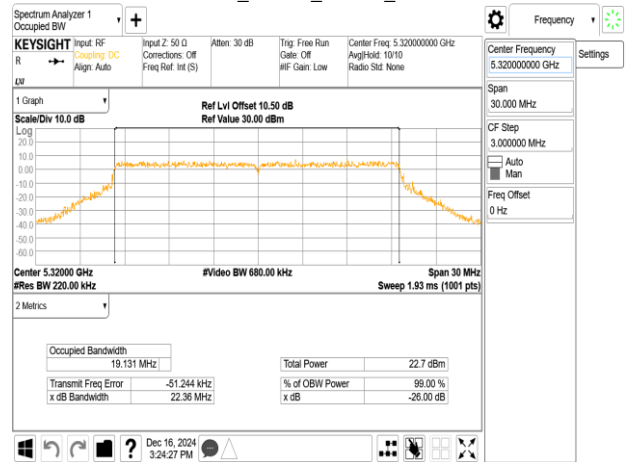


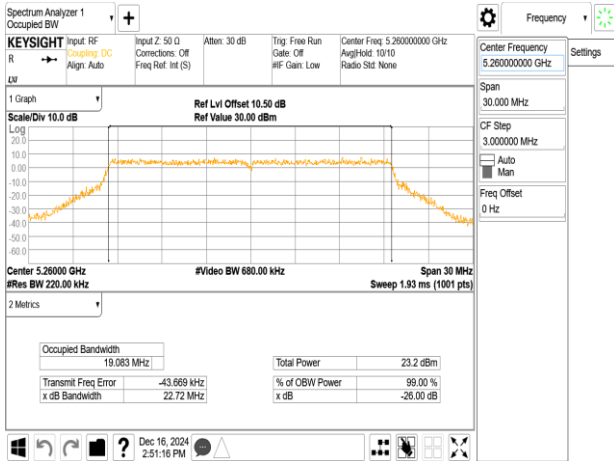
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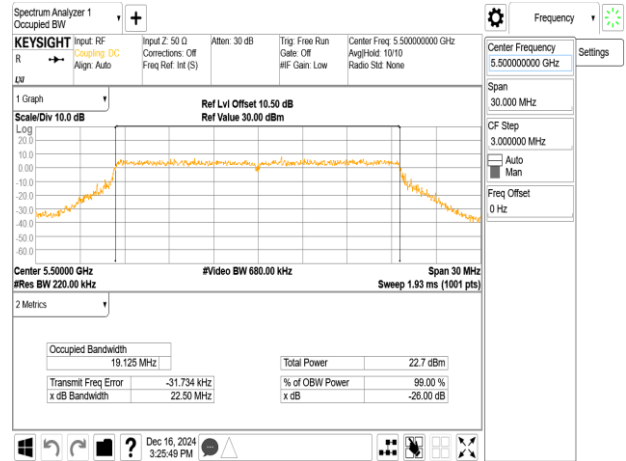
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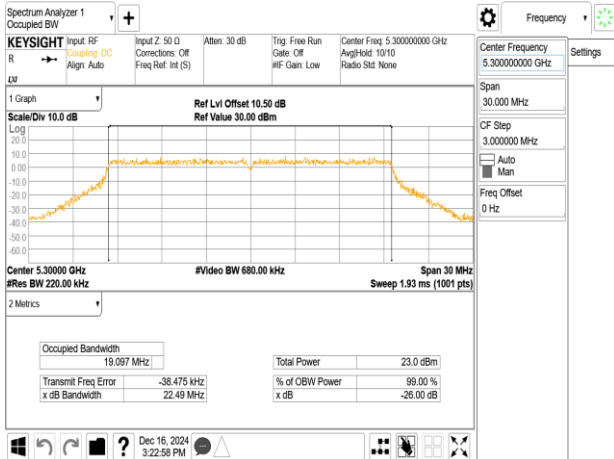
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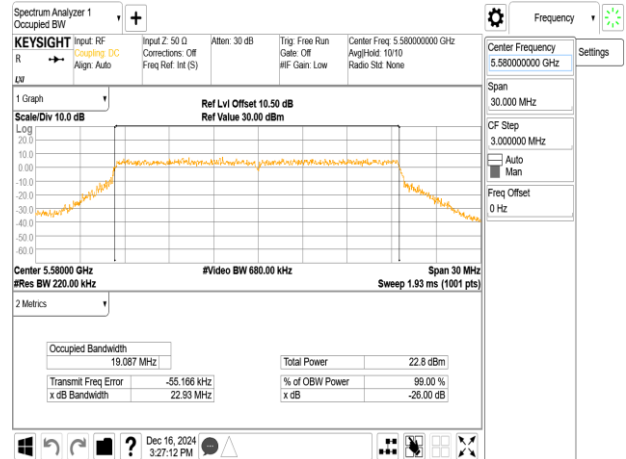
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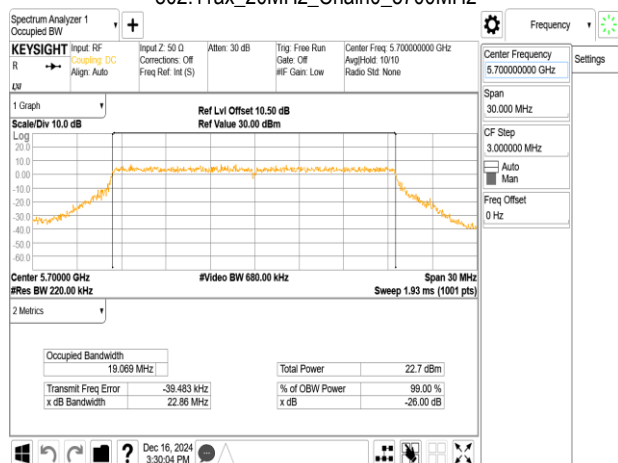


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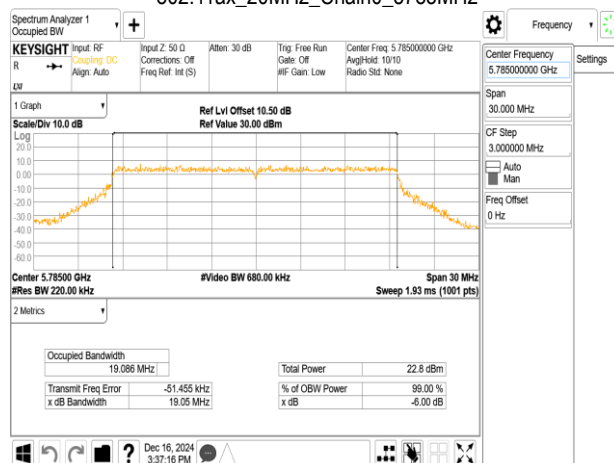
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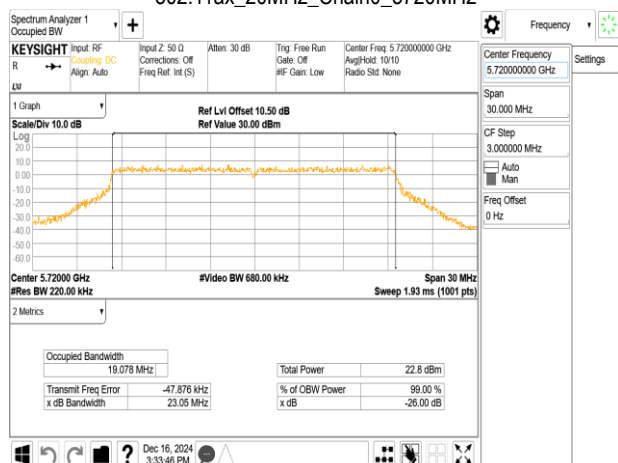
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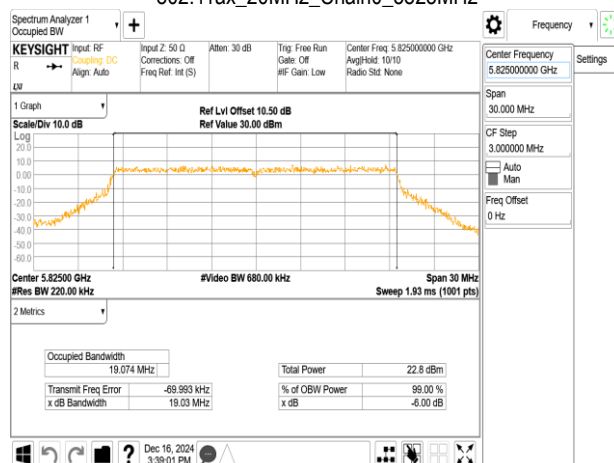
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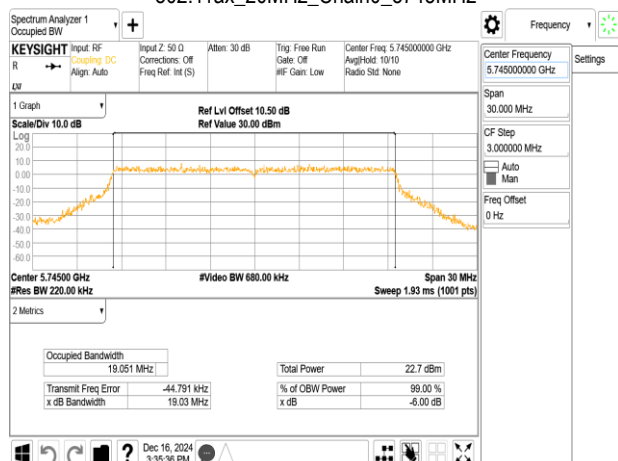
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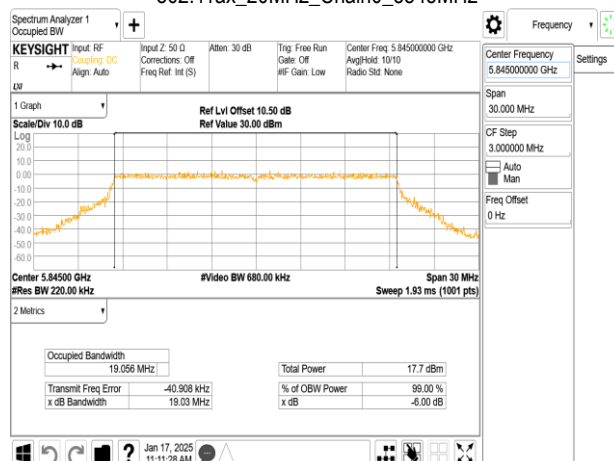
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802.11ax_20MHz_Chain0_5845MHz

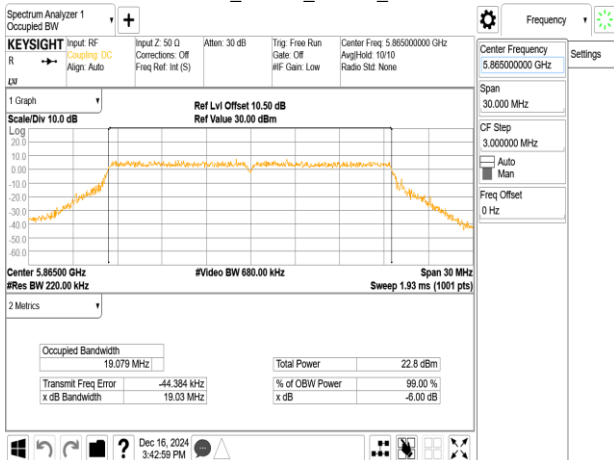


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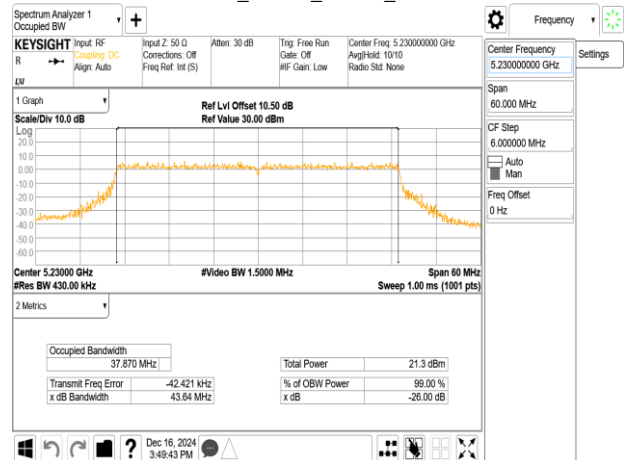
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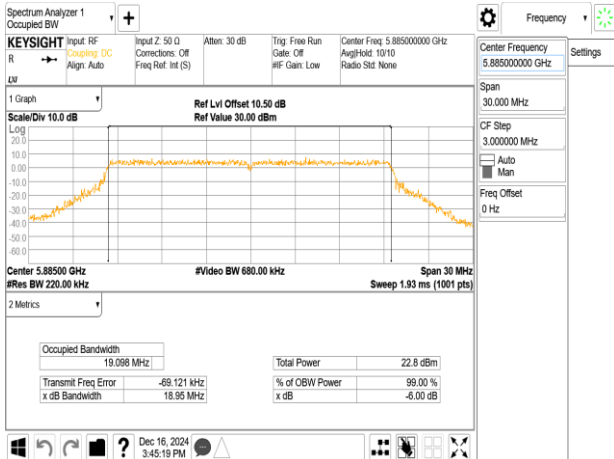
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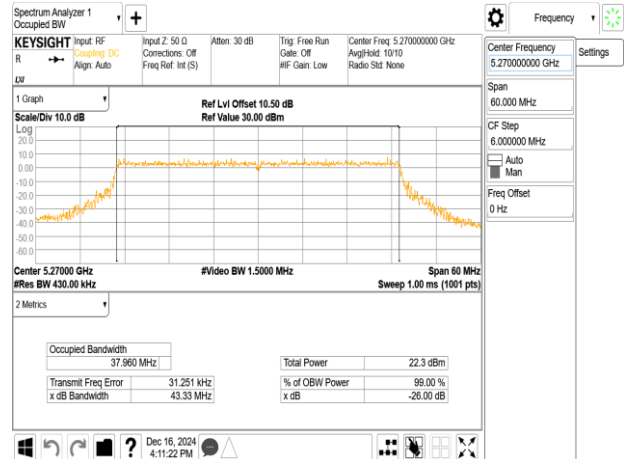
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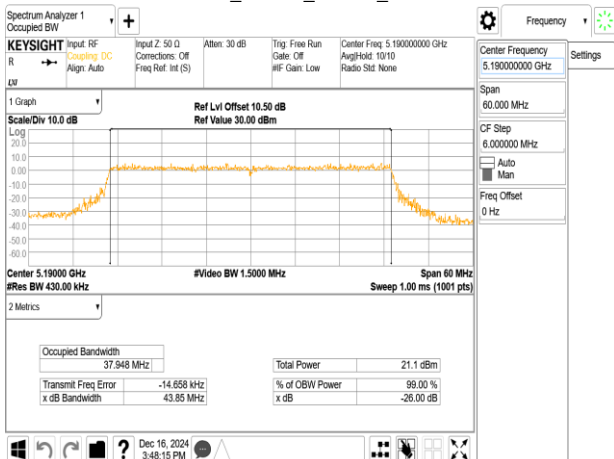
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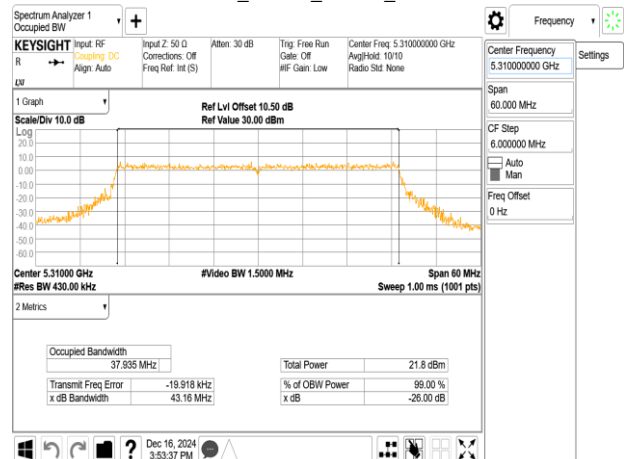
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802.11ax_40MHz_Chain0_5190MHz



802.11ax_40MHz_Chain0_5310MHz

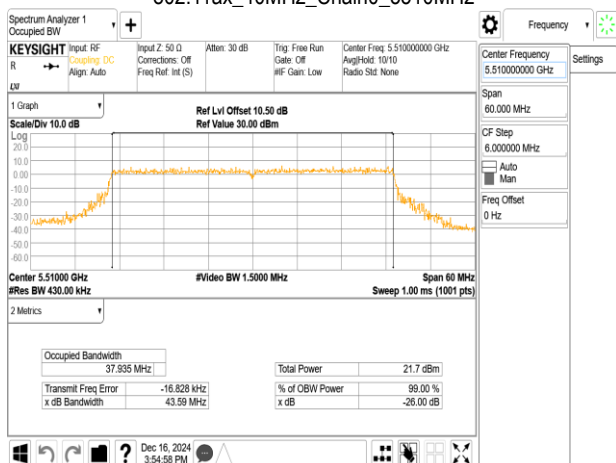


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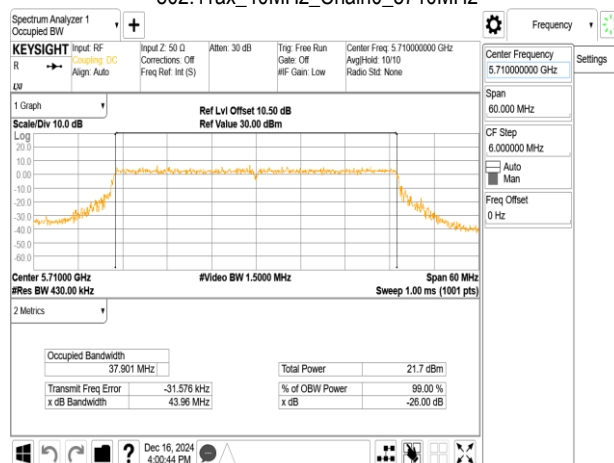
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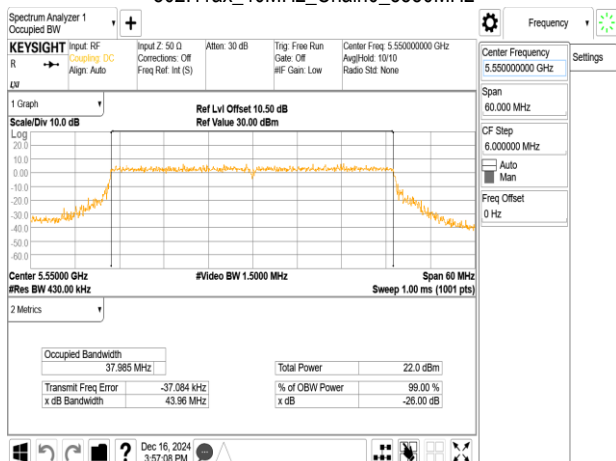
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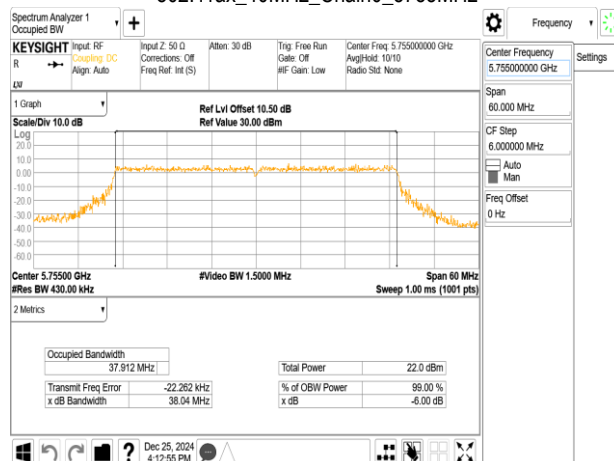
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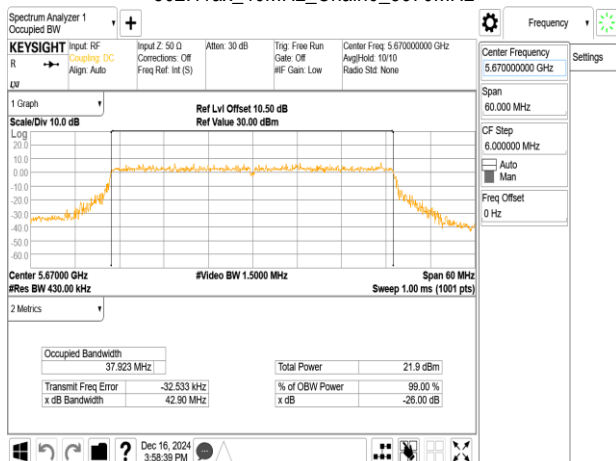
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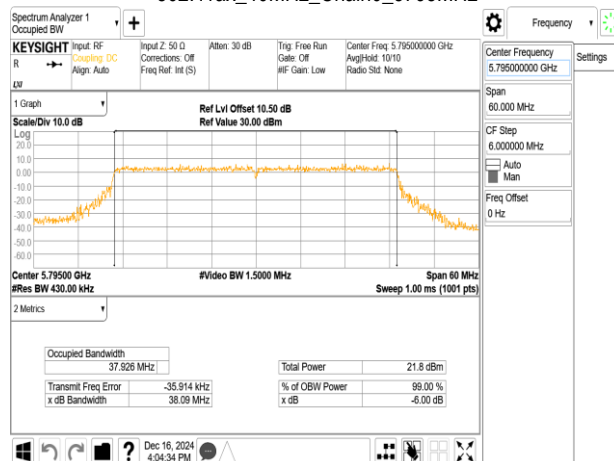
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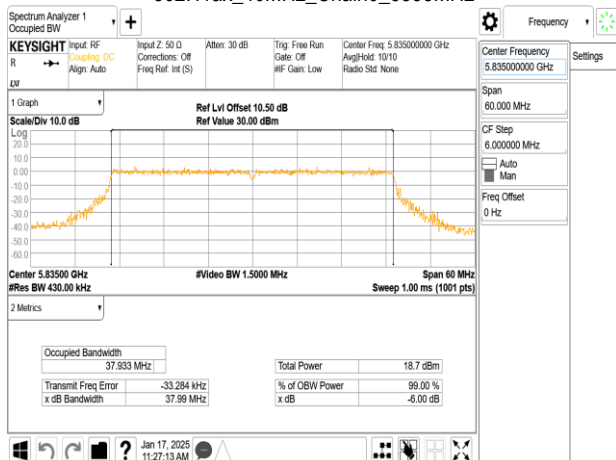


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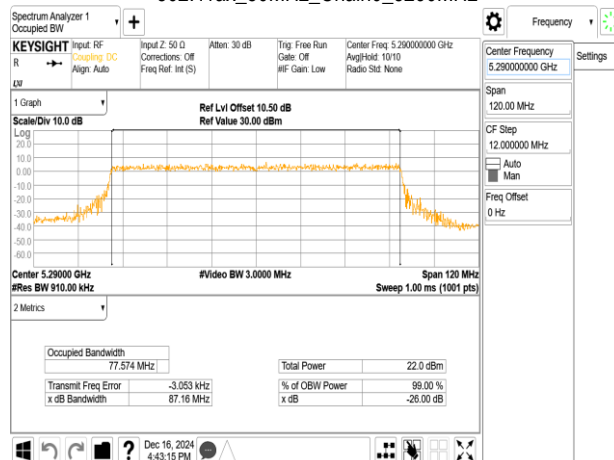
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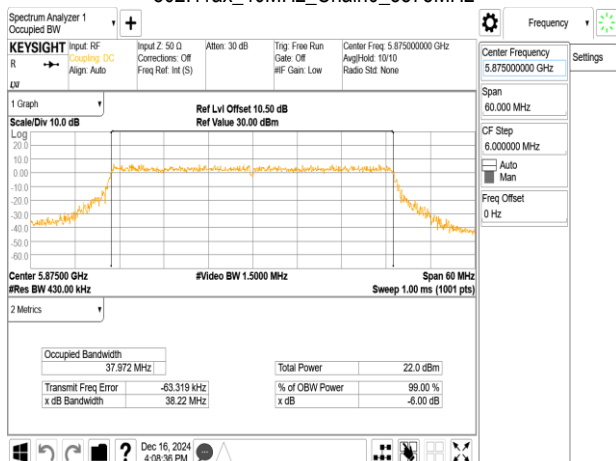
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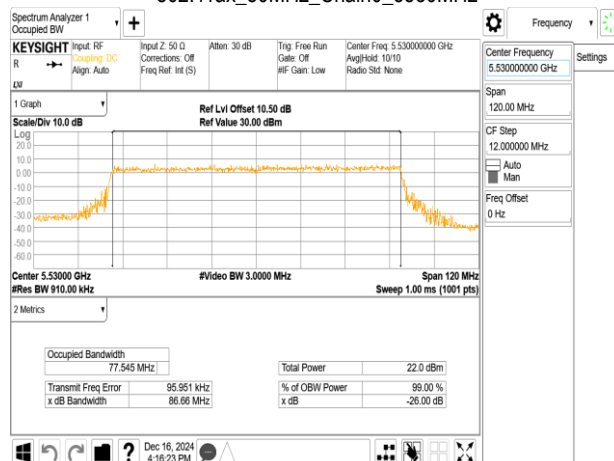
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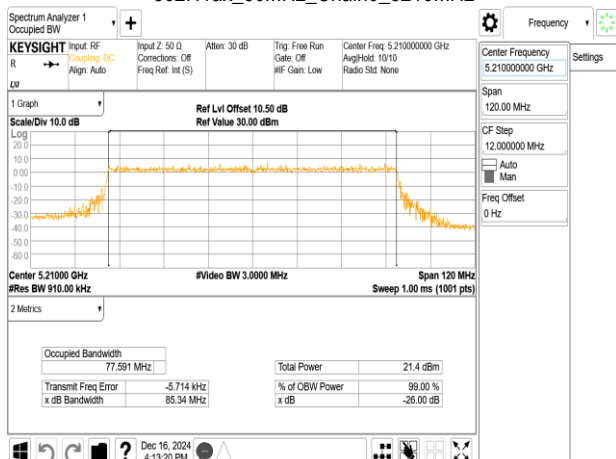
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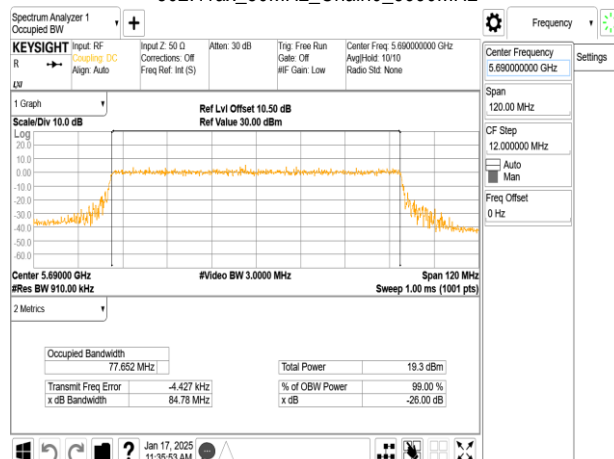
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802.11ax_80MHz_Chain0_5210MHz



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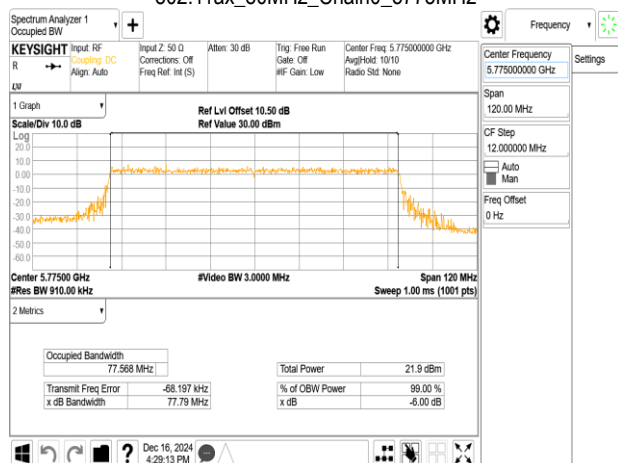


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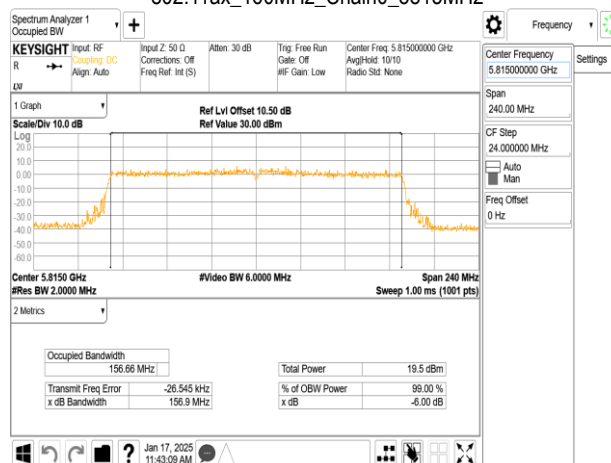
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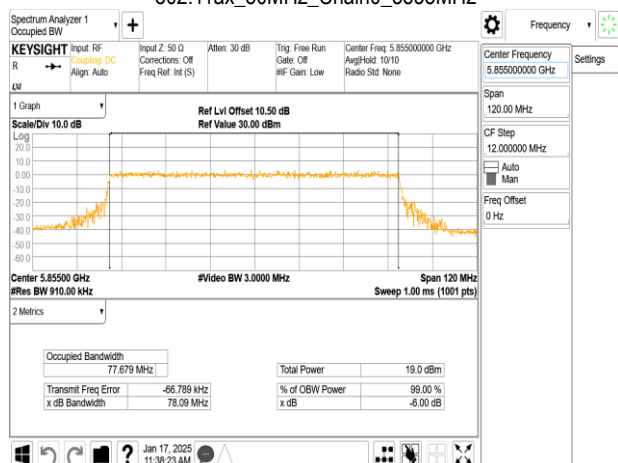
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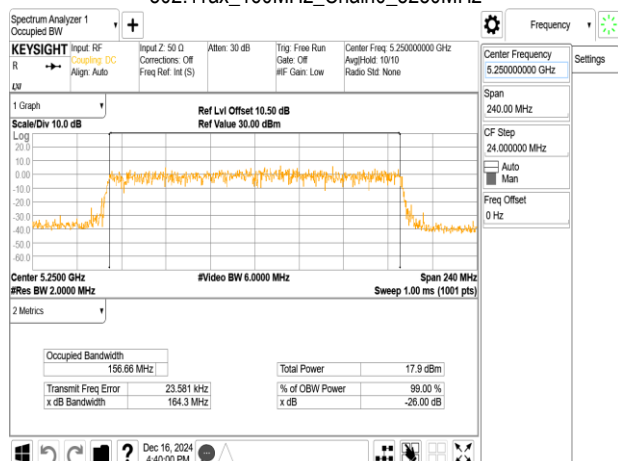
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802.11ax_80MHz_Chain0_5855MHz



802.11ax_160MHz_Chain0_5250MHz



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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 FCC

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
		Outdoor 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		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
	V	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
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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9.1.3 ISED

FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247 §6.2.1~6.2.5		
			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	$-13 \text{ dBW/MHz for } 0^\circ \leq \theta < 8^\circ$ $-13 - 0.716 (\theta - 8) \text{ dBW/MHz for } 8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40) \text{ dBW/MHz for } 40^\circ \leq \theta \leq 45^\circ$ $-42 \text{ dBW/MHz for } \theta > 45^\circ$	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
5850~5895MHz		Fixed outdoor access points	36 dBm $-21 \text{ dBW/MHz for } \theta > 30^\circ$	N/A	N/A
		Fixed outdoor client devices	30dBm	N/A	N/A
		Indoor access points	36dBm	N/A	N/A
		Indoor subordinate devices	36dBm	N/A	N/A
	V	Indoor client devices	30dBm	N/A	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.					

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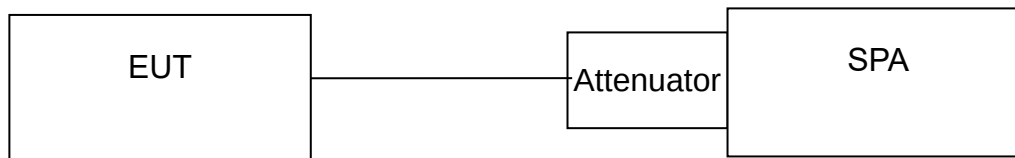
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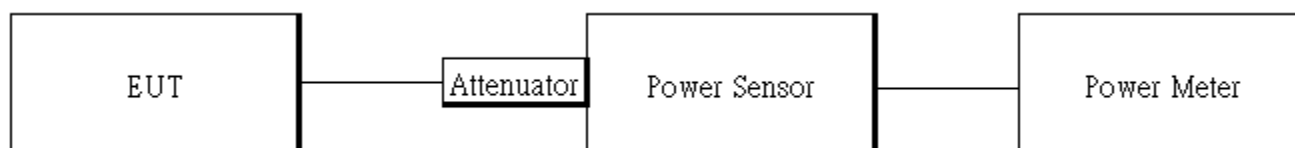
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9.2 Test Setup

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.

Note:

For U-NII1, 2A, 2C and 3 Bands, when the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

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9.4 Duty Cycle Measurement Result

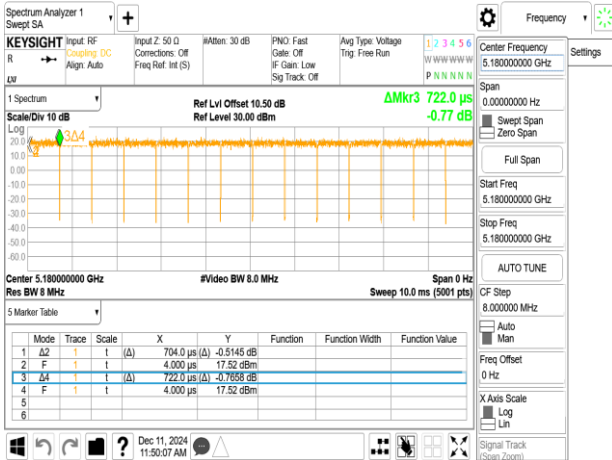
Mode		Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a		97.51	0.11	1.42	2.00
802.11n_20		99.63	0.02	0.18	0.01
802.11ac_20		99.63	0.02	0.18	0.01
802.11n_40		99.71	0.01	0.18	0.01
802.11ac_40		99.67	0.01	0.18	0.01
802.11ac_80		99.67	0.01	0.18	0.01
802.11ac_160		99.67	0.01	0.18	0.01
Mode	RU Config	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11ax_20	Full	99.63	0.02	0.18	0.01
	26 RU	99.65	0.02	0.20	0.01
	52 RU	99.61	0.02	0.20	0.01
	106 RU	99.41	0.03	0.33	0.01
802.11ax_40	Full	99.67	0.01	0.18	0.01
	242 RU	99.53	0.02	0.21	0.01
802.11ax_80	Full	99.67	0.01	0.18	0.01
	484 RU	99.28	0.03	0.30	0.01
802.11ax_160	Full	99.67	0.01	0.18	0.01
	996 RU	99.49	0.02	0.20	0.01

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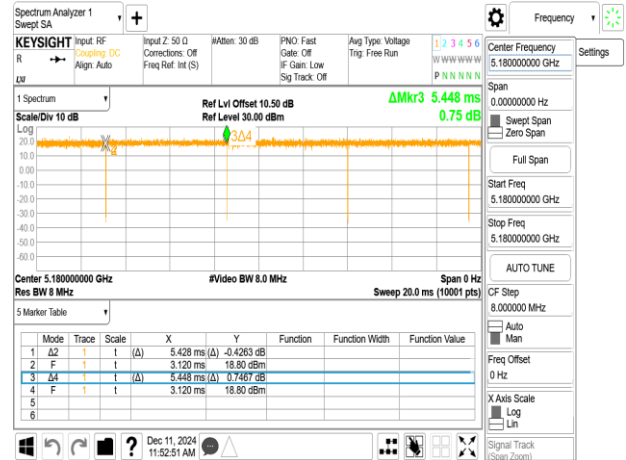
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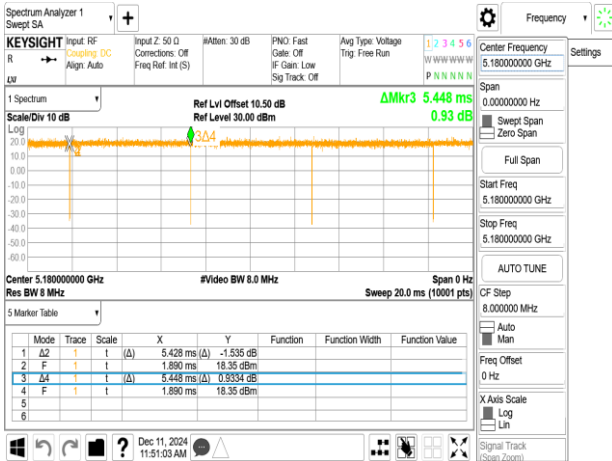
802.11a_20MHz_Chain0_5180MHz



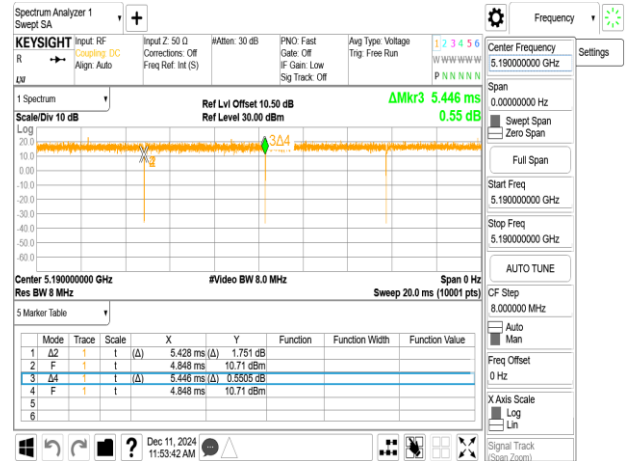
802.11ac_20MHz_Chain0_5180MHz



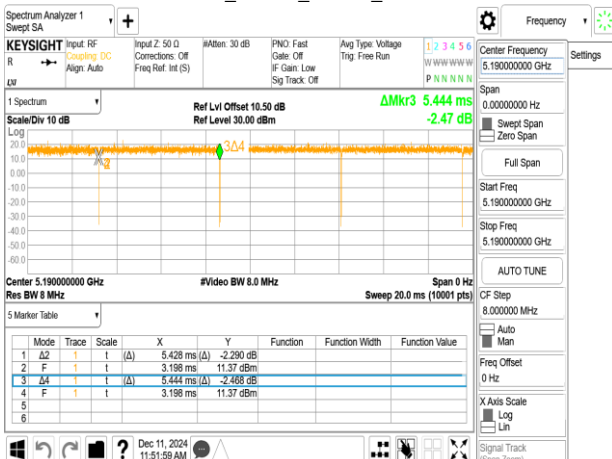
802.11n_20MHz_Chain0_5180MHz



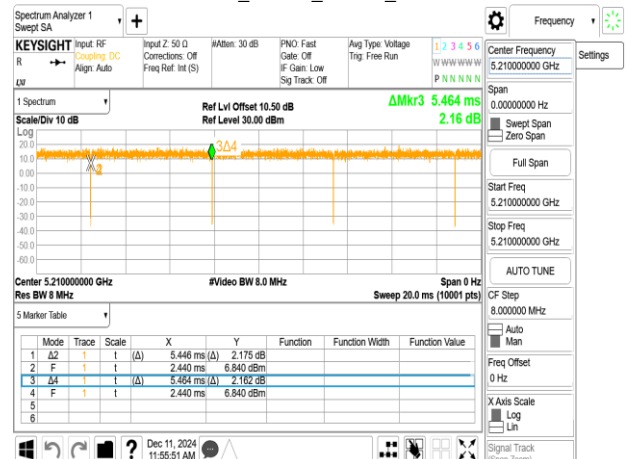
802.11ac_40MHz_Chain0_5190MHz



802.11n_40MHz_Chain0_5190MHz



802.11ac_80MHz_Chain0_5210MHz

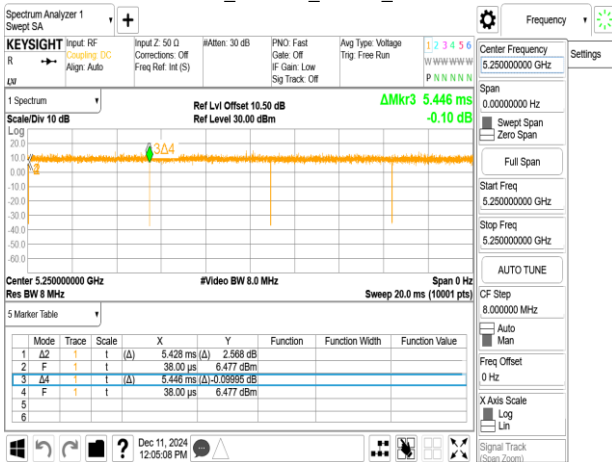


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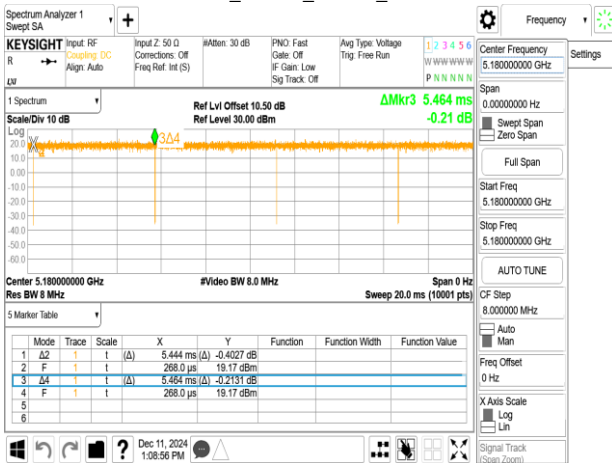
802.11ac_160MHz_Chain0_5250MHz



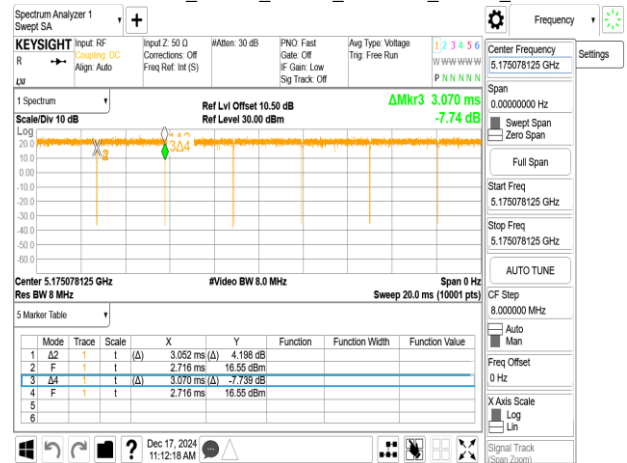
802.11ax_20MHz_Chain0_5180MHz_RU52_37



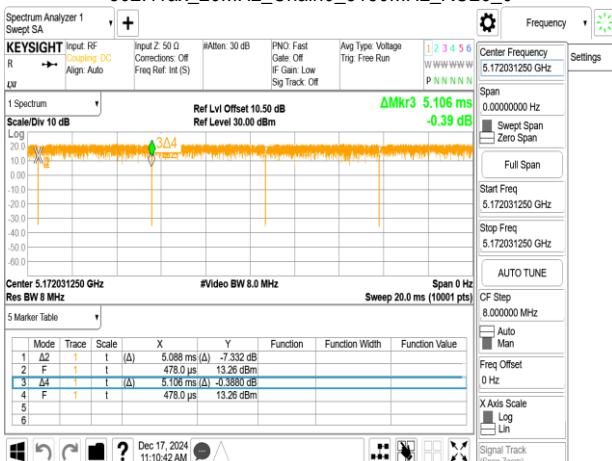
802.11ax_20MHz_Chain0_5180MHz



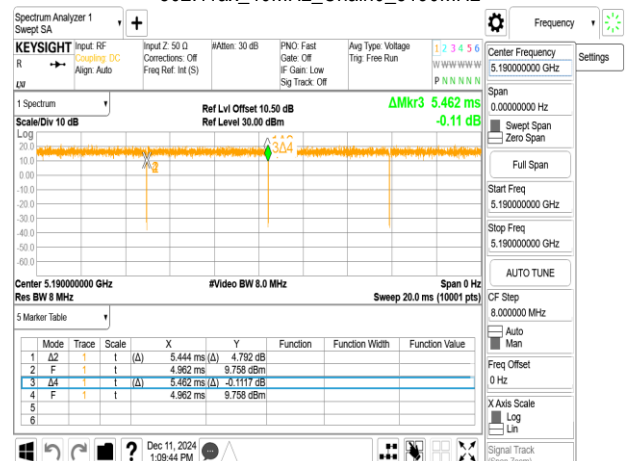
802.11ax_20MHz_Chain0_5180MHz_RU106_53



802.11ax_20MHz_Chain0_5180MHz_RU26_0



802.11ax_40MHz_Chain0_5190MHz

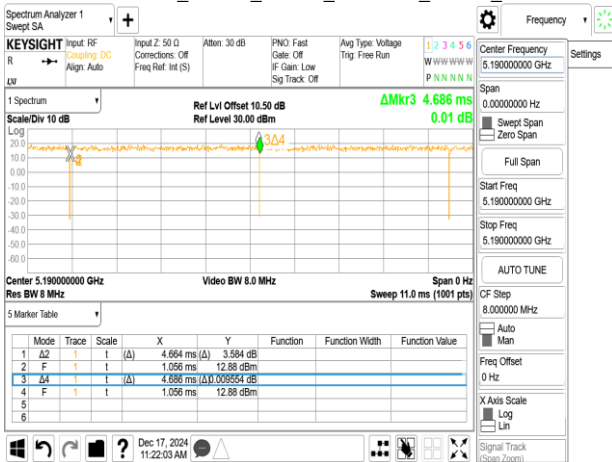


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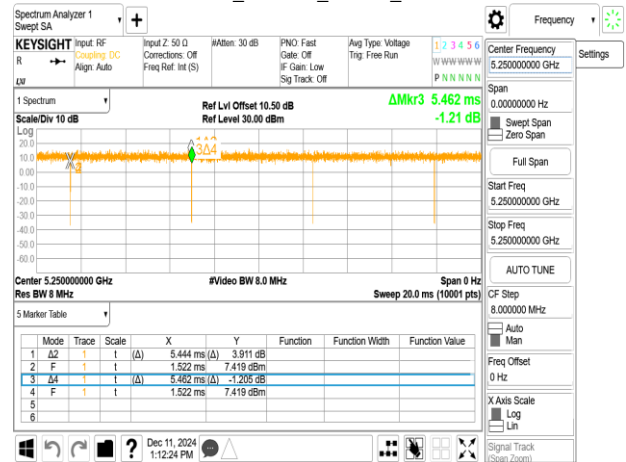
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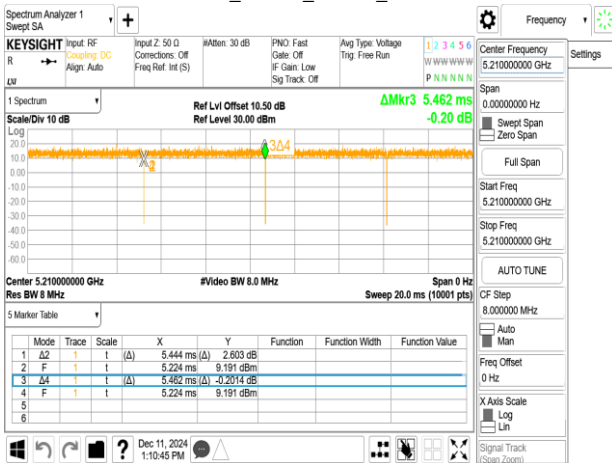
802.11ax_40MHz_Chain0_5190MHz_RU242_61



802.11ax_160MHz_Chain0_5250MHz



802.11ax_80MHz_Chain0_5210MHz



802.11ax_160MHz_Chain0_5250MHz_RU996_67



802.11ax_80MHz_Chain0_5210MHz_RU484_65



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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 Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	12	15.162	11.81	23.98	PASS
44	5220	6	12	14.715	11.68	23.98	PASS
48	5240	6	12	14.453	11.60	23.98	PASS
52	5260	6	12	15.270	11.84	23.98	PASS
60	5300	6	12	14.640	11.66	23.98	PASS
64	5320	6	12	14.674	11.67	23.98	PASS
100	5500	6	12	15.071	11.78	23.98	PASS
116	5580	6	12	14.715	11.68	23.98	PASS
140	5700	6	12	15.023	11.77	23.98	PASS
144	5720(U-NII 2C)	6	12	11.266	10.52	23.05	PASS
144	5720 (U-NII 3)	6	12	4.231	6.26	30	PASS
149	5745	6	12	14.871	11.72	30	PASS
157	5785	6	12	15.225	11.83	30	PASS
165	5825	6	12	14.718	11.68	30	PASS
169	5845 (U-NII 3)	6	12	12.296	10.90	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	6	12	2.984	4.75	30	PASS
173	5865	6	12	14.868	11.72	30	PASS
177	5885	6	12	14.803	11.70	30	PASS

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802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	12	15.122	11.80	23.98	PASS
44	5220	MCS0	12	14.949	11.75	23.98	PASS
48	5240	MCS0	12	14.846	11.72	23.98	PASS
52	5260	MCS0	12	14.778	11.70	23.98	PASS
60	5300	MCS0	12	14.812	11.71	23.98	PASS
64	5320	MCS0	12	14.747	11.69	23.98	PASS
100	5500	MCS0	12	15.297	11.85	23.98	PASS
116	5580	MCS0	12	15.018	11.77	23.98	PASS
140	5700	MCS0	12	15.157	11.81	23.98	PASS
144	5720(U-NII 2C)	MCS0	12	10.906	10.38	23.98	PASS
144	5720 (U-NII 3)	MCS0	12	4.286	6.32	30	PASS
149	5745	MCS0	12	15.297	11.85	30	PASS
157	5785	MCS0	12	15.087	11.79	30	PASS
165	5825	MCS0	12	15.403	11.88	30	PASS
169	5845 (U-NII 3)	MCS0	12	12.020	10.80	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	MCS0	12	3.313	5.20	30	PASS
173	5865	MCS0	12	15.053	11.78	30	PASS
177	5885	MCS0	12	15.262	11.84	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	12	15.145	11.80	23.98	PASS
46	5230	MCS0	12	15.006	11.76	23.98	PASS
54	5270	MCS0	12	15.391	11.87	23.98	PASS
62	5310	MCS0	12	15.075	11.78	23.98	PASS
102	5510	MCS0	12	15.285	11.84	23.98	PASS
110	5550	MCS0	12	15.355	11.86	23.98	PASS
134	5670	MCS0	12	15.180	11.81	23.98	PASS
142	5710(U-NII 2C)	MCS0	12	12.746	11.05	23.98	PASS
142	5710 (U-NII 3)	MCS0	12	2.364	3.74	30	PASS
151	5755	MCS0	12	15.462	11.89	30	PASS
159	5795	MCS0	12	15.040	11.77	30	PASS
167	5835 (U-NII 3)	MCS0	12	14.134	11.50	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	MCS0	12	1.399	1.46	30	PASS
175	5875	MCS0	12	15.250	11.83	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	12	14.717	11.678	23.98	PASS
44	5220	MCS0	12	14.531	11.623	23.98	PASS
48	5240	MCS0	12	14.382	11.578	23.98	PASS
52	5260	MCS0	12	14.538	11.625	23.98	PASS
60	5300	MCS0	12	14.279	11.547	23.98	PASS
64	5320	MCS0	12	14.451	11.599	23.98	PASS
100	5500	MCS0	12	14.932	11.741	23.98	PASS
116	5580	MCS0	12	14.846	11.716	23.98	PASS
140	5700	MCS0	12	14.970	11.752	23.98	PASS
144	5720(U-NII 2C)	MCS0	12	10.612	10.258	23.98	PASS
144	5720 (U-NII 3)	MCS0	12	4.125	6.155	30	PASS
149	5745	MCS0	12	14.911	11.735	30	PASS
157	5785	MCS0	12	14.495	11.612	30	PASS
165	5825	MCS0	12	15.216	11.823	30	PASS
169	5845 (U-NII 3)	MCS0	12	11.918	10.762	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	MCS0	12	3.285	5.17	30	PASS
173	5865	MCS0	12	14.458	11.60	30	PASS
177	5885	MCS0	12	14.663	11.66	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	12	14.687	11.67	23.98	PASS
46	5230	MCS0	12	14.707	11.68	23.98	PASS
54	5270	MCS0	12	15.092	11.79	23.98	PASS
62	5310	MCS0	12	14.559	11.63	23.98	PASS
102	5510	MCS0	12	15.214	11.82	23.98	PASS
110	5550	MCS0	12	14.837	11.71	23.98	PASS
134	5670	MCS0	12	14.850	11.72	23.98	PASS
142	5710(U-NII 2C)	MCS0	12	12.544	10.98	23.98	PASS
142	5710 (U-NII 3)	MCS0	12	2.437	3.87	30	PASS
151	5755	MCS0	12	15.270	11.84	30	PASS
159	5795	MCS0	12	14.772	11.69	30	PASS
167	5835 (U-NII 3)	MCS0	12	13.572	11.33	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	MCS0	12	1.343	1.28	30	PASS
175	5875	MCS0	12	14.735	11.68	30	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	10.5	9.918	9.96	23.98	PASS
58	5290	MCS0	12	14.623	11.65	23.98	PASS
106	5530	MCS0	12	15.036	11.77	23.98	PASS
122	5610	MCS0	12	14.939	11.74	23.98	PASS
138	5690(U-NII 2C)	MCS0	12	13.372	11.26	23.98	PASS
138	5690 (U-NII 3)	MCS0	12	1.772	2.48	30	PASS
155	5775	MCS0	12	15.217	11.82	30	PASS
171	5855 (U-NII 3)	MCS0	12	6.472	8.11	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
171	5855 (U-NII 4)	MCS0	12	8.422	9.25	30	PASS

802.11ac_VHT160_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	12.5	15.756	11.97	23.98	PASS
114	5570	MCS0	12	15.397	11.87	23.98	PASS
163	5815 (U-NII 3)	MCS0	12	10.965	10.40	30	PASS
CH	Frequency (MHz)	Data Rate	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
163	5815 (U-NII 4)	MCS0	12	4.151	6.18	30	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	full	12	15.269	11.84	23.98	PASS
		MCS0	26/0	3.5	15.119	11.80	23.98	PASS
		MCS0	52/37	6.5	14.918	11.74	23.98	PASS
		MCS0	106/53	9	15.017	11.77	23.98	PASS
44	5220	MCS0	full	12	14.639	11.66	23.98	PASS
48	5240	MCS0	full	12	15.108	11.79	23.98	PASS
52	5260	MCS0	full	12	15.368	11.87	23.98	PASS
60	5300	MCS0	full	12	15.053	11.78	23.98	PASS
64	5320	MCS0	full	12	15.510	11.91	23.98	PASS
		MCS0	26/8	3.5	15.259	11.84	23.98	PASS
		MCS0	52/40	4.5	15.021	11.77	23.98	PASS
		MCS0	106/54	9	15.225	11.83	23.98	PASS
100	5500	MCS0	full	12	15.122	11.80	23.98	PASS
		MCS0	26/0	3.5	15.015	11.77	23.98	PASS
		MCS0	52/37	6.5	14.747	11.69	23.98	PASS
		MCS0	106/53	9	14.845	11.72	23.98	PASS
116	5580	MCS0	full	12	14.812	11.71	23.98	PASS
140	5700	MCS0	full	12	14.990	11.76	23.98	PASS
		MCS0	26/8	3.5	14.843	11.72	23.98	PASS
		MCS0	52/40	4.5	14.781	11.70	23.98	PASS
		MCS0	106/54	9	14.709	11.68	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	12	10.738	10.31	23.05	PASS
144	5720 (U-NII 3)	MCS0	full	12	4.043	6.07	30	PASS
149	5745	MCS0	full	12	15.157	11.81	30	PASS
		MCS0	26/0	3.5	15.015	11.77	30	PASS
		MCS0	52/37	6.5	14.849	11.72	30	PASS
		MCS0	106/53	9	14.776	11.70	30	PASS
157	5785	MCS0	full	12	15.192	11.82	30	PASS
165	5825	MCS0	full	12	15.262	11.84	30	PASS
		MCS0	26/8	3.5	15.050	11.78	30	PASS
		MCS0	52/40	4.5	14.952	11.75	30	PASS
		MCS0	106/54	9	14.913	11.74	30	PASS
169	5845 (U-NII 3)	MCS0	full	12	11.562	10.63	30	PASS
CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	MCS0	full	12	3.591	5.55	30	PASS
173	5865	MCS0	full	12	14.956	11.75	30	PASS
		MCS0	26/0	3	14.741	11.69	30	PASS
		MCS0	52/37	6.5	14.815	11.71	30	PASS
		MCS0	106/53	9	14.540	11.63	30	PASS
177	5885	MCS0	full	12	15.393	11.87	30	PASS
		MCS0	26/8	3	15.050	11.78	30	PASS
		MCS0	52/40	4.5	15.230	11.83	30	PASS
		MCS0	106/54	9	15.017	11.77	30	PASS

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802.11ax_HE40_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	full	10	9.692	9.86	23.98	PASS
		MCS0	242/61	14.5	9.551	9.80	23.98	PASS
46	5230	MCS0	full	12	15.064	11.78	23.98	PASS
54	5270	MCS0	full	12	15.447	11.89	23.98	PASS
62	5310	MCS0	full	12	14.967	11.75	23.98	PASS
		MCS0	242/62	12.5	14.861	11.72	23.98	PASS
102	5510	MCS0	full	12	14.772	11.69	23.98	PASS
		MCS0	242/61	12.5	14.691	11.67	23.98	PASS
110	5550	MCS0	full	12	14.772	11.80	23.98	PASS
134	5670	MCS0	full	12	15.362	11.86	23.98	PASS
		MCS0	242/62	12.5	15.207	11.82	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	12	13.248	11.22	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	12	2.185	3.39	30	PASS
151	5755	MCS0	full	12	15.047	11.77	30	PASS
		MCS0	242/61	12.5	14.895	11.73	30	PASS
159	5795	MCS0	full	12	15.291	11.84	30	PASS
		MCS0	242/62	12.5	14.964	11.75	30	PASS
167	5835 (U-NII 3)	MCS0	full	12	13.324	11.25	30	PASS
CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	MCS0	full	12	1.585	2.00	30	PASS
175	5875	MCS0	full	12	15.151	11.80	30	PASS
		MCS0	242/61	12.5	15.033	11.77	30	PASS
		MCS0	242/62	12.5	14.827	11.71	30	PASS

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802.11ax_HE80_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	full	12	15.210	11.82	23.98	PASS
		MCS0	484/65	13	15.071	11.78	23.98	PASS
58	5290	MCS0	full	12	15.362	11.86	23.98	PASS
		MCS0	484/66	13	14.967	11.75	23.98	PASS
106	5530	MCS0	full	12	15.168	11.81	23.98	PASS
		MCS0	484/65	13	14.898	11.73	23.98	PASS
122	5610	MCS0	full	12	14.977	11.75	23.98	PASS
		MCS0	484/66	13	14.864	11.72	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	12	13.621	11.34	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	12	1.384	1.41	30	PASS
155	5775	MCS0	full	12	15.397	11.87	30	PASS
		MCS0	484/65	13	15.281	11.84	30	PASS
		MCS0	484/66	13	15.210	11.82	30	PASS
171	5855 (U-NII 3)	MCS0	full	12	6.567	8.17	30	PASS
CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
171	5855 (U-NII 4)	MCS0	full	12	8.494	9.29	30	PASS

802.11ax_HE160_Ch0

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	MCS0	full	12	15.468	11.89	23.98	PASS
		MCS0	996/67	13	15.248	11.83	23.98	PASS
		MCS0	996/S67	13	15.039	11.77	23.98	PASS
114	5570	MCS0	full	12	15.256	11.83	23.98	PASS
		MCS0	996/67	13	14.936	11.74	23.98	PASS
		MCS0	996/S67	13	14.867	11.72	23.98	PASS
163	5815 (U-NII 3)	MCS0	full	12	10.991	10.41	30	PASS
CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	EIRP (mW)	EIRP (dBm)	REQUIRED EIRP LIMIT (dBm)	RESULT
163	5815 (U-NII 4)	MCS0	full	12	4.195	6.23	30	PASS

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9.5.2 ISED Conducted output power and EIRP

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	15.270	11.84	23.29	PASS
60	5300	14.640	11.66	23.30	PASS
64	5320	14.674	11.67	23.30	PASS
100	5500	15.071	11.78	23.30	PASS
116	5580	14.715	11.68	23.29	PASS
140	5700	15.023	11.77	23.31	PASS
144	5720(U-NII 2C)	11.266	10.52	22.30	PASS
144	5720 (U-NII 3)	4.231	6.26	30	PASS
149	5745	14.871	11.72	30	PASS
157	5785	15.225	11.83	30	PASS
165	5825	14.718	11.68	30	PASS
169	5845 (U-NII 3)	12.296	10.90	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	14.778	11.70	23.55	PASS
60	5300	14.812	11.71	23.55	PASS
64	5320	14.747	11.69	23.55	PASS
100	5500	15.297	11.85	23.54	PASS
116	5580	15.018	11.77	23.55	PASS
140	5700	15.157	11.81	23.54	PASS
144	5720(U-NII 2C)	10.906	10.38	22.45	PASS
144	5720 (U-NII 3)	4.286	6.32	30	PASS
149	5745	15.297	11.85	30	PASS
157	5785	15.087	11.79	30	PASS
165	5825	15.403	11.88	30	PASS
169	5845 (U-NII 3)	12.020	10.80	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	14.538	11.63	23.55	PASS
60	5300	14.279	11.55	23.55	PASS
64	5320	14.451	11.60	23.55	PASS
100	5500	14.932	11.74	23.54	PASS
116	5580	14.846	11.72	23.55	PASS
140	5700	14.970	11.75	23.54	PASS
144	5720(U-NII 2C)	10.612	10.26	22.45	PASS
144	5720 (U-NII 3)	4.125	6.15	30	PASS
149	5745	14.911	11.74	30	PASS
157	5785	14.495	11.61	30	PASS
165	5825	15.216	11.82	30	PASS
169	5845 (U-NII 3)	11.918	10.76	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	15.391	11.87	23.98	PASS
62	5310	15.075	11.78	23.98	PASS
102	5510	15.285	11.84	23.98	PASS
110	5550	15.355	11.86	23.98	PASS
134	5670	15.180	11.81	23.98	PASS
142	5710(U-NII 2C)	12.746	11.05	23.98	PASS
142	5710 (U-NII 3)	2.364	3.74	30	PASS
151	5755	15.462	11.89	30	PASS
159	5795	15.040	11.77	30	PASS
167	5835 (U-NII 3)	14.134	11.50	30	PASS

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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	15.092	11.79	23.98	PASS
62	5310	14.559	11.63	23.98	PASS
102	5510	15.214	11.82	23.98	PASS
110	5550	14.837	11.71	23.98	PASS
134	5670	14.850	11.72	23.98	PASS
142	5710(U-NII 2C)	12.544	10.98	23.98	PASS
142	5710 (U-NII 3)	2.437	3.87	30	PASS
151	5755	15.270	11.84	30	PASS
159	5795	14.772	11.69	30	PASS
167	5835 (U-NII 3)	13.572	11.33	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
58	5290	14.623	11.65	23.98	PASS
106	5530	15.036	11.77	23.98	PASS
138	5690(U-NII 2C)	13.372	11.26	23.98	PASS
138	5690 (U-NII 3)	1.772	2.48	30	PASS
155	5775	15.217	11.82	30	PASS
171	5855 (U-NII 3)	6.472	8.11	30	PASS

802.11ac_VHT160_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	15.756	11.97	23.98	PASS
163	5815 (U-NII 3)	10.965	10.40	30	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	full	15.368	11.87	23.55	PASS
60	5300	full	15.053	11.78	23.55	PASS
64	5320	full	15.510	11.91	23.55	PASS
		26/8	15.259	11.84	23.55	PASS
		52/40	15.021	11.77	23.55	PASS
		106/54	15.225	11.83	23.55	PASS
100	5500	full	15.122	11.80	23.54	PASS
		26/0	15.015	11.77	23.54	PASS
		52/37	14.747	11.69	23.54	PASS
		106/53	14.845	11.72	23.54	PASS
116	5580	full	14.812	11.71	23.55	PASS
140	5700	full	14.990	11.76	23.54	PASS
		26/8	14.843	11.72	23.54	PASS
		52/40	14.781	11.70	23.54	PASS
		106/54	14.709	11.68	23.54	PASS
144	5720(U-NII 2C)	full	10.738	10.31	22.45	PASS
144	5720 (U-NII 3)	full	4.043	6.07	30	PASS
149	5745	full	15.157	11.81	30	PASS
		26/0	15.015	11.77	30	PASS
		52/37	14.849	11.72	30	PASS
		106/53	14.776	11.70	30	PASS
157	5785	full	15.192	11.82	30	PASS
165	5825	full	15.262	11.84	30	PASS
		26/8	15.050	11.78	30	PASS
		52/40	14.952	11.75	30	PASS
		106/54	14.913	11.74	30	PASS
169	5845 (U-NII 3)	full	11.562	10.63	30	PASS

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802.11ax_HE40_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	full	15.447	11.89	23.98	PASS
62	5310	full	14.967	11.75	23.98	PASS
		242/62	14.861	11.72	23.98	PASS
102	5510	full	14.772	11.69	23.98	PASS
		242/61	14.691	11.67	23.98	PASS
110	5550	full	15.151	11.80	23.98	PASS
134	5670	full	15.362	11.86	23.98	PASS
		242/62	15.207	11.82	23.98	PASS
142	5710(U-NII 2C)	full	13.248	11.22	23.98	PASS
142	5710 (U-NII 3)	full	2.185	3.39	30	PASS
151	5755	full	15.047	11.77	30	PASS
		242/61	14.895	11.73	30	PASS
159	5795	full	15.291	11.84	30	PASS
		242/62	14.964	11.75	30	PASS
167	5835 (U-NII 3)	full	13.324	11.25	30	PASS

802.11ax_HE80_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
58	5290	full	15.362	11.86	23.98	PASS
		484/66	14.967	11.75	23.98	PASS
106	5530	full	15.168	11.81	23.98	PASS
		484/65	14.898	11.73	23.98	PASS
138	5690(U-NII 2C)	full	13.621	11.34	23.98	PASS
138	5690 (U-NII 3)	full	1.384	1.41	30	PASS
155	5775	full	15.397	11.87	30	PASS
		484/65	15.281	11.84	30	PASS
		484/66	15.210	11.82	30	PASS
171	5855 (U-NII 3)	full	6.567	8.17	30	PASS

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802.11ax_HE160_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	full	15.468	11.89	23.98	PASS
		996/67	15.248	11.83	23.98	PASS
		996/S67	15.039	11.77	23.98	PASS
163	5815 (U-NII 3)	full	10.991	10.41	30	PASS

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802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.81	0.00	15.171	11.81	22.29	PASS
44	5220	11.68	0.00	14.723	11.68	22.26	PASS
48	5240	11.60	0.00	14.454	11.60	22.28	PASS
52	5260	11.84	0.00	15.276	11.84	29.29	PASS
60	5300	11.66	0.00	14.655	11.66	29.3	PASS
64	5320	11.67	0.00	14.689	11.67	29.3	PASS
100	5500	11.78	0.00	15.066	11.78	29.3	PASS
116	5580	11.68	0.00	14.723	11.68	29.29	PASS
140	5700	11.77	0.00	15.031	11.77	29.31	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	4.75	0.00	2.984	4.75	30	PASS
173	5865	11.72	0.00	14.868	11.72	30	PASS
177	5885	11.70	0.00	14.803	11.70	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.80	0.00	15.136	11.80	22.53	PASS
44	5220	11.75	0.00	14.962	11.75	22.54	PASS
48	5240	11.72	0.00	14.859	11.72	22.55	PASS
52	5260	11.70	0.00	14.791	11.70	29.55	PASS
60	5300	11.71	0.00	14.825	11.71	29.55	PASS
64	5320	11.69	0.00	14.757	11.69	29.55	PASS
100	5500	11.85	0.00	15.311	11.85	29.54	PASS
116	5580	11.77	0.00	15.031	11.77	29.55	PASS
140	5700	11.81	0.00	15.171	11.81	29.54	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	5.20	0.00	3.313	5.20	30	PASS
173	5865	11.78	0.00	15.053	11.78	30	PASS
177	5885	11.84	0.00	15.262	11.84	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	11.68	0.00	14.723	11.68	22.53	PASS
44	5220	11.62	0.00	14.521	11.62	22.54	PASS
48	5240	11.58	0.00	14.388	11.58	22.55	PASS
52	5260	11.63	0.00	14.555	11.63	29.55	PASS
60	5300	11.55	0.00	14.289	11.55	29.55	PASS
64	5320	11.60	0.00	14.454	11.60	29.55	PASS
100	5500	11.74	0.00	14.928	11.74	29.54	PASS
116	5580	11.72	0.00	14.859	11.72	29.55	PASS
140	5700	11.75	0.00	14.962	11.75	29.54	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	5.17	0.00	3.285	5.17	30	PASS
173	5865	11.60	0.00	14.458	11.60	30	PASS
177	5885	11.66	0.00	14.663	11.66	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	11.80	0.00	15.136	11.80	23.01	PASS
46	5230	11.76	0.00	14.997	11.76	23.01	PASS
54	5270	11.87	0.00	15.382	11.87	30	PASS
62	5310	11.78	0.00	15.066	11.78	30	PASS
102	5510	11.84	0.00	15.276	11.84	30	PASS
110	5550	11.86	0.00	15.346	11.86	30	PASS
134	5670	11.81	0.00	15.171	11.81	30	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	1.46	0.00	1.399	1.46	30	PASS
175	5875	11.83	0.00	15.250	11.83	30	PASS

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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	11.67	0.00	14.689	11.67	23.01	PASS
46	5230	11.68	0.00	14.723	11.68	23.01	PASS
54	5270	11.79	0.00	15.101	11.79	30	PASS
62	5310	11.63	0.00	14.555	11.63	30	PASS
102	5510	11.82	0.00	15.205	11.82	30	PASS
110	5550	11.71	0.00	14.825	11.71	30	PASS
134	5670	11.72	0.00	14.859	11.72	30	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	1.28	0.00	1.343	1.28	30	PASS
175	5875	11.68	0.00	14.735	11.68	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	9.96	0.00	9.908	9.96	23.01	PASS
58	5290	11.65	0.00	14.622	11.65	30	PASS
106	5530	11.77	0.00	15.031	11.77	30	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
171	5855 (U-NII 4)	9.25	0.00	8.422	9.25	30	PASS

802.11ac_VHT160_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	11.97	0.00	15.740	11.97	23.01	PASS
CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
163	5815 (U-NII 4)	6.18	0.00	4.151	6.18	30	PASS

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802.11ax_HE20_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	full	11.84	0.00	15.276	11.84	22.53	PASS
		26/0	11.80	0.00	15.136	11.80	22.53	PASS
		52/37	11.74	0.00	14.928	11.74	22.53	PASS
		106/53	11.77	0.00	15.031	11.77	22.53	PASS
44	5220	full	11.66	0.00	14.655	11.66	22.54	PASS
48	5240	full	11.79	0.00	15.101	11.79	22.55	PASS
52	5260	full	11.87	0.00	15.382	11.87	29.55	PASS
60	5300	full	11.78	0.00	15.066	11.78	29.55	PASS
64	5320	full	11.91	0.00	15.524	11.91	29.55	PASS
		26/8	11.84	0.00	15.276	11.84	29.55	PASS
		52/40	11.77	0.00	15.031	11.77	29.55	PASS
		106/54	11.83	0.00	15.241	11.83	29.55	PASS
100	5500	full	11.80	0.00	15.136	11.80	29.54	PASS
		26/0	11.77	0.00	15.031	11.77	29.54	PASS
		52/37	11.69	0.00	14.757	11.69	29.54	PASS
		106/53	11.72	0.00	14.859	11.72	29.54	PASS
116	5580	full	11.71	0.00	14.825	11.71	29.55	PASS
140	5700	full	11.76	0.00	14.997	11.76	29.54	PASS
		26/8	11.72	0.00	14.859	11.72	29.54	PASS
		52/40	11.70	0.00	14.791	11.70	29.54	PASS
		106/54	11.68	0.00	14.723	11.68	29.54	PASS
CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
169	5845 (U-NII 4)	full	5.55	0.00	3.591	5.55	30	PASS
173	5865	full	11.75	0.00	14.956	11.75	30	PASS
		26/0	11.69	0.00	14.741	11.69	30	PASS
		52/37	11.71	0.00	14.815	11.71	30	PASS
		106/53	11.63	0.00	14.540	11.63	30	PASS
177	5885	full	11.87	0.00	15.393	11.87	30	PASS
		26/8	11.78	0.00	15.050	11.78	30	PASS
		52/40	11.83	0.00	15.230	11.83	30	PASS
		106/54	11.77	0.00	15.017	11.77	30	PASS

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802.11ax_HE40_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	full	9.86	0.00	9.683	9.86	23.01	PASS
		242/61	9.80	0.00	9.550	9.80	23.01	PASS
46	5230	full	11.78	0.00	15.066	11.78	23.01	PASS
54	5270	full	11.89	0.00	15.453	11.89	30	PASS
62	5310	full	11.75	0.00	14.962	11.75	30	PASS
		242/62	11.72	0.00	14.859	11.72	30	PASS
102	5510	full	11.69	0.00	14.757	11.69	30	PASS
		242/61	11.67	0.00	14.689	11.67	30	PASS
110	5550	full	11.80	0.00	15.136	11.80	30	PASS
134	5670	full	11.86	0.00	15.346	11.86	30	PASS
		242/62	11.82	0.00	15.205	11.82	30	PASS
CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
167	5835 (U-NII 4)	full	2.00	0.00	1.585	2.00	30	PASS
175	5875	full	11.80	0.00	15.151	11.80	30	PASS
		242/61	11.77	0.00	15.033	11.77	30	PASS
		242/62	11.71	0.00	14.827	11.71	30	PASS

802.11ax_HE80_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	full	11.82	0.00	15.205	11.82	23.01	PASS
		484/65	11.78	0.00	15.066	11.78	23.01	PASS
58	5290	full	11.86	0.00	15.346	11.86	30	PASS
		484/66	11.75	0.00	14.962	11.75	30	PASS
106	5530	full	11.81	0.00	15.171	11.81	30	PASS
		484/65	11.73	0.00	14.894	11.73	30	PASS
CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
171	5855 (U-NII 4)	full	9.29	0.00	8.494	9.29	30	PASS

802.11ax_HE160_Ch0

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
50	5250	full	11.89	0.00	15.453	11.89	23.01	PASS
		996/67	11.83	0.00	15.241	11.83	23.01	PASS
		996/S67	11.77	0.00	15.031	11.77	23.01	PASS
CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
163	5815 (U-NII 4)	full	6.23	0.00	4.195	6.23	30	PASS

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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 FCC Standard

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
	V	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.				

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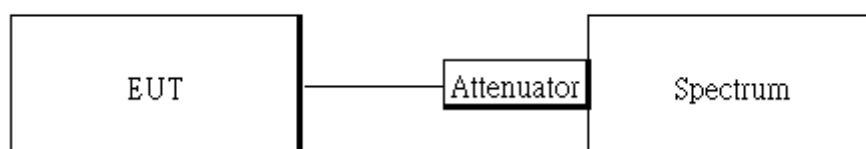
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10.2 ISED Standard

FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247 §6.2.1~6.2.5	
			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	N/A	11 dBm/MHz
5725~5850	V	All	N/A	30 dBm/500kHz
5850~5895MHz		Fixed outdoor access points	23 dBm/MHz	N/A
		Fixed outdoor client devices	17 dBm/MHz	N/A
		Indoor access points	20 dBm/MHz	N/A
		Indoor subordinate devices	20 dBm/MHz	N/A
	V	Indoor client devices	14 dBm/MHz	N/A

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.

10.3 Test Setup



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10.4 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. (1) Duty cycle $\geq 98\%$: Record the max. reading.
(2) Duty cycle $< 98\%$: 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.

Note:

For U-NII1, 2A, 2C and 3 Bands, when the antenna gain is greater than 6 dBi, the power spectral density limit attenuated accordingly.

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10.5 Measurement Result

POWER DENSITY 802.11a MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	1.040	0.11	1.15		11.00 dBm/MHz	-9.85
5220	0.820	0.11	0.93		11.00 dBm/MHz	-10.07
5240	1.008	0.11	1.12		11.00 dBm/MHz	-9.88
5260	1.132	0.11	1.24		11.00 dBm/MHz	-9.76
5300	1.278	0.11	1.39		11.00 dBm/MHz	-9.61
5320	0.962	0.11	1.07		11.00 dBm/MHz	-9.93
5500	1.176	0.11	1.29		11.00 dBm/MHz	-9.71
5580	1.350	0.11	1.46		11.00 dBm/MHz	-9.54
5700	1.587	0.11	1.70		11.00 dBm/MHz	-9.30
5720 (U-NII 2C)	1.179	0.11	1.29		11.00 dBm/MHz	-9.71
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-4.092	0.11	2.22	-1.76	30.00 dBm/500kHz	-31.76
5745	-3.940	0.11	2.22	-1.61	30.00 dBm/500kHz	-31.61
5785	-3.979	0.11	2.22	-1.65	30.00 dBm/500kHz	-31.65
5825	-3.700	0.11	2.22	-1.37	30.00 dBm/500kHz	-31.37
5845 (U-NII 3)	-5.310	0.11	2.22	-2.98	30.00 dBm/500kHz	-32.98
Frequency (MHz)	ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5845 (U-NII4)	-0.840	0.11	-0.73	-0.73	14.00 dBm/MHz	-14.73
5865	0.056	0.11	0.17	0.17	14.00 dBm/MHz	-13.83
5885	-0.420	0.11	-0.31	-0.31	14.00 dBm/MHz	-14.31

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POWER DENSITY 802.11n HT20 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	0.894	0.00	0.89		11.00 dBm/MHz	-10.11
5220	0.947	0.00	0.95		11.00 dBm/MHz	-10.05
5240	0.740	0.00	0.74		11.00 dBm/MHz	-10.26
5260	0.691	0.00	0.69		11.00 dBm/MHz	-10.31
5300	0.930	0.00	0.93		11.00 dBm/MHz	-10.07
5320	0.627	0.00	0.63		11.00 dBm/MHz	-10.37
5500	0.846	0.00	0.85		11.00 dBm/MHz	-10.15
5580	0.728	0.00	0.73		11.00 dBm/MHz	-10.27
5700	1.174	0.00	1.17		11.00 dBm/MHz	-9.83
5720 (U-NII 2C)	0.882	0.00	0.88		11.00 dBm/MHz	-10.12
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-4.233	0.00	2.22	-2.01	30.00 dBm/500kHz	-32.01
5745	-4.358	0.00	2.22	-2.14	30.00 dBm/500kHz	-32.14
5785	-4.253	0.00	2.22	-2.03	30.00 dBm/500kHz	-32.03
5825	-4.266	0.00	2.22	-2.05	30.00 dBm/500kHz	-32.05
5845 (U-NII 3)	-5.590	0.00	2.22	-3.37	30.00 dBm/500kHz	-33.37
Frequency (MHz)	ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5845 (U-NII4)	-0.970	0.00	-0.97	-0.97	14.00 dBm/MHz	-14.97
5865	-0.391	0.00	-0.39	-0.39	14.00 dBm/MHz	-14.39
5885	-0.421	0.00	-0.42	-0.42	14.00 dBm/MHz	-14.42

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POWER DENSITY 802.11n HT40 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	-1.887	0.00	-1.89		11.00 dBm/MHz	-12.89
5230	-1.921	0.00	-1.92		11.00 dBm/MHz	-12.92
5270	-1.789	0.00	-1.79		11.00 dBm/MHz	-12.79
5310	-1.688	0.00	-1.69		11.00 dBm/MHz	-12.69
5510	-1.396	0.00	-1.40		11.00 dBm/MHz	-12.40
5550	-1.453	0.00	-1.45		11.00 dBm/MHz	-12.45
5670	-1.488	0.00	-1.49		11.00 dBm/MHz	-12.49
5710 (U-NII 2C)	-1.584	0.00	-1.58		11.00 dBm/MHz	-12.58
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-6.702	0.00	2.22	-4.48	30.00 dBm/500kHz	-34.48
5755	-6.842	0.00	2.22	-4.62	30.00 dBm/500kHz	-34.62
5795	-6.758	0.00	2.22	-4.54	30.00 dBm/500kHz	-34.54
5835 (U-NII 3)	-8.589	0.00	2.22	-6.37	30.00 dBm/500kHz	-36.37
Frequency (MHz)	ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5835 (U-NII4)	-3.538	0.00	-3.54	-3.54	14.00 dBm/MHz	-17.54
5875	-2.766	0.00	-2.77	-2.77	14.00 dBm/MHz	-16.77
POWER DENSITY 802.11ac VHT80 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-7.581	0.00	-7.58		11.00 dBm/MHz	-18.58
5290	-5.146	0.00	-5.15		11.00 dBm/MHz	-16.15
5530	-4.622	0.00	-4.62		11.00 dBm/MHz	-15.62
5610	-4.820	0.00	-4.82		11.00 dBm/MHz	-15.82
5690 (U-NII 2C)	-4.719	0.00	-4.72		11.00 dBm/MHz	-15.72
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	-10.078	0.00	2.22	-7.86	30.00 dBm/500kHz	-37.86
5775	-10.067	0.00	2.22	-7.85	30.00 dBm/500kHz	-37.85
5855 (U-NII 3)	-11.750	0.00	2.22	-9.53	30.00 dBm/500kHz	-39.53
Frequency (MHz)	ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5855 (U-NII4)	-6.342	0.00	-6.34	-6.34	14.00 dBm/MHz	-20.34

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POWER DENSITY 802.11ac VHT160 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5250	-7.640	0.00	-7.64		11.00 dBm/MHz	-18.64
5570	-6.676	0.00	-6.68		11.00 dBm/MHz	-17.68
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5815 (U-NII 3)	-13.830	0.00	2.22	-11.61	30.00 dBm/500kHz	-41.61
Frequency (MHz)	ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5815 (U-NII4)	-10.050	0.00	-10.05	-10.05	14.00 dBm/MHz	-24.05

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POWER DENSITY 802.11ax HE20 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	0.661	0.00	0.66		11.00 dBm/MHz	-10.34
	26/0	9.142	0.00	9.14		11.00 dBm/MHz	-1.86
	52/37	6.487	0.00	6.49		11.00 dBm/MHz	-4.51
	106/53	3.797	0.00	3.80		11.00 dBm/MHz	-7.20
5220	full	0.529	0.00	0.53		11.00 dBm/MHz	-10.47
5240	full	0.812	0.00	0.81		11.00 dBm/MHz	-10.19
5260	full	0.682	0.00	0.68		11.00 dBm/MHz	-10.32
5300	full	0.548	0.00	0.55		11.00 dBm/MHz	-10.45
5320	full	0.581	0.00	0.58		11.00 dBm/MHz	-10.42
	26/8	8.867	0.00	8.87		11.00 dBm/MHz	-2.13
	52/40	5.976	0.00	5.98		11.00 dBm/MHz	-5.02
	106/54	3.564	0.00	3.56		11.00 dBm/MHz	-7.44
5500	full	0.924	0.00	0.92		11.00 dBm/MHz	-10.08
	26/0	9.152	0.00	9.15		11.00 dBm/MHz	-1.85
	52/37	6.036	0.00	6.04		11.00 dBm/MHz	-4.96
	106/53	3.525	0.00	3.53		11.00 dBm/MHz	-7.48
5580	full	0.825	0.00	0.83		11.00 dBm/MHz	-10.18
5700	full	0.763	0.00	0.76		11.00 dBm/MHz	-10.24
	26/8	9.516	0.00	9.52		11.00 dBm/MHz	-1.48
	52/40	6.431	0.00	6.43		11.00 dBm/MHz	-4.57
	106/54	4.257	0.00	4.26		11.00 dBm/MHz	-6.74
5720 (U-NII 2C)	full	0.755	0.00	0.76		11.00 dBm/MHz	-10.25
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-4.292	0.00	2.22	-2.07	30.00 dBm/500kHz	-32.07
5745	full	-4.216	0.00	2.22	-2.00	30.00 dBm/500kHz	-32.00
	26/0	4.923	0.00	2.22	7.14	30.00 dBm/500kHz	-22.86
	52/37	1.973	0.00	2.22	4.19	30.00 dBm/501kHz	-25.81
	106/53	-1.014	0.00	2.22	1.21	30.00 dBm/502kHz	-28.79
5785	full	-4.053	0.00	2.22	-1.83	30.00 dBm/503kHz	-31.83
5825	full	-4.110	0.00	2.22	-1.89	30.00 dBm/504kHz	-31.89
	26/8	5.139	0.00	2.22	7.36	30.00 dBm/505kHz	-22.64
	52/40	3.796	0.00	2.22	6.02	30.00 dBm/506kHz	-23.98
	106/54	-0.813	0.00	2.22	1.41	30.00 dBm/507kHz	-28.59
5845 (U-NII 3)	full	-6.231	0.00	2.22	-4.01	30.00 dBm/508kHz	-34.01
Frequency (MHz)		ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	EIRP PSD Limit	Margin (dB)
5845 (U-NII4)	full	-0.906	0.00	-0.91	-0.91	14.00 dBm/MHz	-14.91
5865	full	0.024	0.00	0.02	0.02	14.00 dBm/MHz	-13.98
	26/0	11.170	0.00	11.17	11.17	14.00 dBm/MHz	-2.83
	52/37	8.439	0.00	8.44	8.44	14.00 dBm/MHz	-5.56
	106/53	5.865	0.00	5.87	5.87	14.00 dBm/MHz	-8.14
5885	full	-0.809	0.00	-0.81	-0.81	14.00 dBm/MHz	-14.81
	26/8	10.940	0.00	10.94	10.94	14.00 dBm/MHz	-3.06
	52/40	6.784	0.00	6.78	6.78	14.00 dBm/MHz	-7.22
	106/54	5.132	0.00	5.13	5.13	14.00 dBm/MHz	-8.87

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POWER DENSITY 802.11ax HE40 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	-4.621	0.00	-4.62		11.00 dBm/MHz	-15.62
	242/61	-1.780	0.00	-1.78		11.00 dBm/MHz	-12.78
5230	full	-1.720	0.00	-1.72		11.00 dBm/MHz	-12.72
5270	full	-1.868	0.00	-1.87		11.00 dBm/MHz	-12.87
5310	full	-2.010	0.00	-2.01		11.00 dBm/MHz	-13.01
	242/62	0.107	0.00	0.11		11.00 dBm/MHz	-10.89
5510	full	-1.121	0.00	-1.12		11.00 dBm/MHz	-12.12
	242/61	0.497	0.00	0.50		11.00 dBm/MHz	-10.50
5550	full	-1.375	0.00	-1.38		11.00 dBm/MHz	-12.38
5670	full	-1.476	0.00	-1.48		11.00 dBm/MHz	-12.48
	242/62	0.842	0.00	0.84		11.00 dBm/MHz	-10.16
5710 (U-NII 2C)	full	-1.499	0.00	-1.50		11.00 dBm/MHz	-12.50
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-6.294	0.00	2.22	-4.07	30.00 dBm/500kHz	-34.07
5755	full	-6.840	0.00	2.22	-4.62	30.00 dBm/501kHz	-34.62
	242/61	-4.357	0.00	2.22	-2.14	30.00 dBm/502kHz	-32.14
5795	full	-6.914	0.00	2.22	-4.69	30.00 dBm/503kHz	-34.69
	242/62	-4.063	0.00	2.22	-1.84	30.00 dBm/504kHz	-31.84
5835 (U-NII 3)	full	-9.619	0.00	2.22	-7.40	30.00 dBm/505kHz	-37.40
Frequency (MHz)		ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	Limit	Margin (dB)
5835 (U-NII4)	full	-3.159	0.00	-3.16	-3.16	14.00 dBm/MHz	-17.16
5875	full	-2.807	0.00	-2.81	-2.81	14.00 dBm/MHz	-16.81
	242/61	-0.871	0.00	-0.87	-0.87	14.00 dBm/MHz	-14.87
	242/62	-0.840	0.00	-0.84	-0.84	14.00 dBm/MHz	-14.84

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POWER DENSITY 802.11ax HE80 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-5.096	0.00	-5.10		11.00 dBm/MHz	-16.10
	484/65	-2.277	0.00	-2.28		11.00 dBm/MHz	-13.28
5290	full	-4.654	0.00	-4.65		11.00 dBm/MHz	-15.65
	484/66	-2.644	0.00	-2.64		11.00 dBm/MHz	-13.64
5530	full	-4.184	0.00	-4.18		11.00 dBm/MHz	-15.18
	484/65	-2.301	0.00	-2.30		11.00 dBm/MHz	-13.30
5610	full	-4.310	0.00	-4.31		11.00 dBm/MHz	-15.31
	484/66	-2.092	0.00	-2.09		11.00 dBm/MHz	-13.09
5690 (U-NII 2C)	full	-4.235	0.00	-4.24		11.00 dBm/MHz	-15.24
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	full	-9.888	0.00	2.22	-7.67	30.00 dBm/500kHz	-37.67
5775	full	-9.722	0.00	2.22	-7.50	30.00 dBm/500kHz	-37.50
	484/65	-7.636	0.00	2.22	-5.42	30.00 dBm/501kHz	-35.42
	484/66	-7.797	0.00	2.22	-5.58	30.00 dBm/502kHz	-35.58
5855 (U-NII 3)	full	-12.450	0.00	2.22	-10.23	30.00 dBm/503kHz	-40.23
Frequency (MHz)		ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	Limit	Margin (dB)
5855 (U-NII4)	full	-6.307	0.00	-6.31	-6.31	14.00 dBm/MHz	-20.31
POWER DENSITY 802.11ax HE160 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5250	full	-6.689	0.00	-6.69		11.00 dBm/MHz	-17.69
	996/67	-6.177	0.00	-6.18		11.00 dBm/MHz	-17.18
	996/S67	-5.838	0.00	-5.84		11.00 dBm/MHz	-16.84
5570	full	-6.276	0.00	-6.28		11.00 dBm/MHz	-17.28
	996/67	-5.010	0.00	-5.01		11.00 dBm/MHz	-16.01
	996/S67	-5.604	0.00	-5.60		11.00 dBm/MHz	-16.60
Frequency (MHz)		ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5815 (U-NII 3)	full	-14.700	0.00	2.22	-12.48	30.00 dBm/500kHz	-42.48
Frequency (MHz)		ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	EIRP PSD (dBm/MHz)	Limit	Margin (dB)
5815 (U-NII4)	full	-9.420	0.00	-9.42	-9.42	14.00 dBm/MHz	-23.42

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EIRP spectral density 802.11a MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	1.150	0.00	1.15	10	-8.85
5220	0.930	0.00	0.93	10	-9.07
5240	1.118	0.00	1.12	10	-8.88
EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	0.894	0.00	0.89	10	-9.11
5220	0.947	0.00	0.95	10	-9.05
5240	0.740	0.00	0.74	10	-9.26
EIRP spectral density 802.11n HT40 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5190	-1.887	0.00	-1.89	10	-11.89
5230	-1.921	0.00	-1.92	10	-11.92
EIRP spectral density 802.11ac VHT80 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5210	-7.581	0.00	-7.58	10	-17.58
EIRP spectral density 802.11ac VHT160 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5250	-7.640	0.00	-7.64	10	-17.64

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EIRP spectral density 802.11ax HE20 MODE						
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	full	0.661	0.00	0.66	10	-9.34
	26/0	9.142	0.00	9.14	10	-0.86
	52/37	6.487	0.00	6.49	10	-3.51
	106/53	3.797	0.00	3.80	10	-6.20
5220	full	0.529	0.00	0.53	10	-9.47
5240	full	0.812	0.00	0.81	10	-9.19
EIRP spectral density 802.11ax HE40 MODE						
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5190	full	-4.621	0.00	-4.62	10	-14.62
	242/61	-1.780	0.00	-1.78	10	-11.78
5230	full	-1.720	0.00	-1.72	10	-11.72
EIRP spectral density 802.11ax HE80 MODE						
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5210	full	-5.096	0.00	-5.10	10	-15.10
	484/65	-2.277	0.00	-2.28	10	-12.28
EIRP spectral density 802.11ax HE160 MODE						
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5250	full	-6.689	0.00	-6.69	10	-16.69
	996/67	-6.177	0.00	-6.18	10	-16.18
	996/S67	-5.838	0.00	-5.84	10	-15.84

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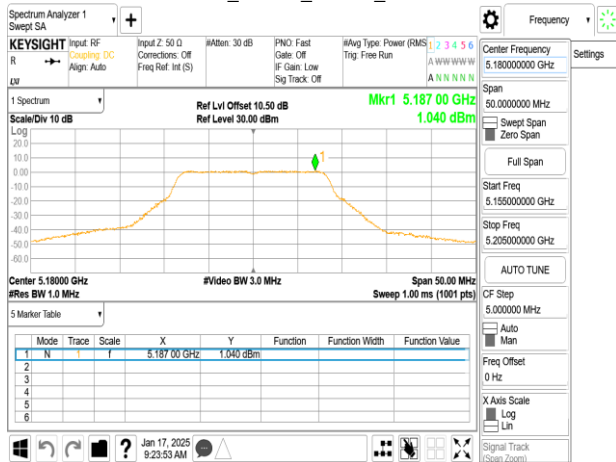
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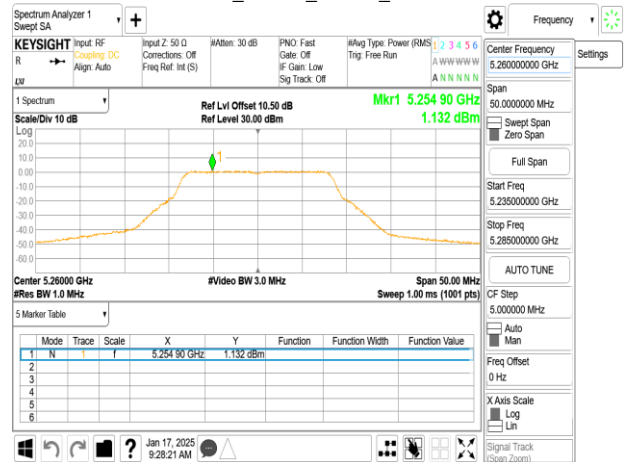
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802.11a_20MHz_Chain0_5180MHz



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

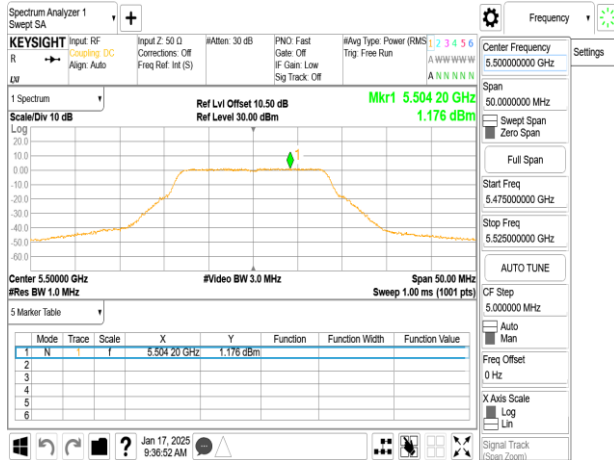


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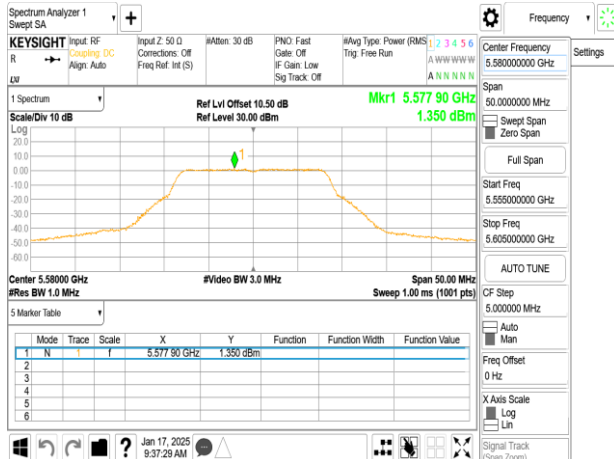
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802.11a_20MHz_Chain0_5720MHz_UNII 2C



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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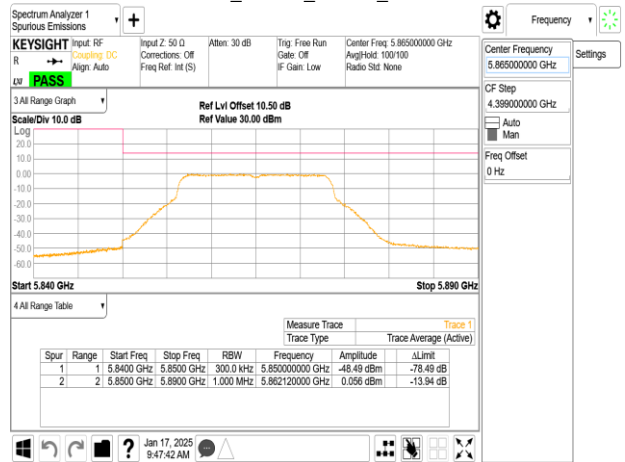
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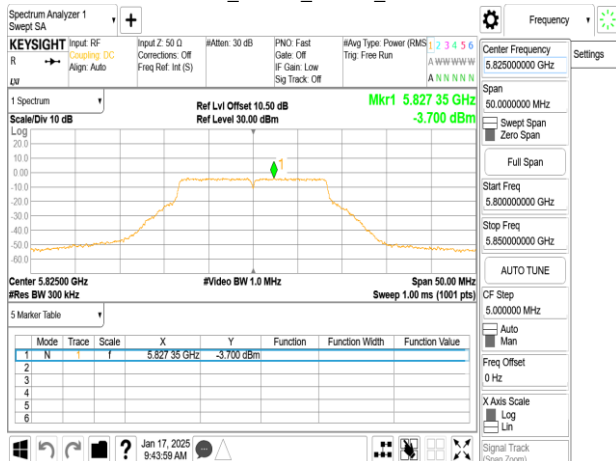
802.11a_20MHz_Chain0_5785MHz



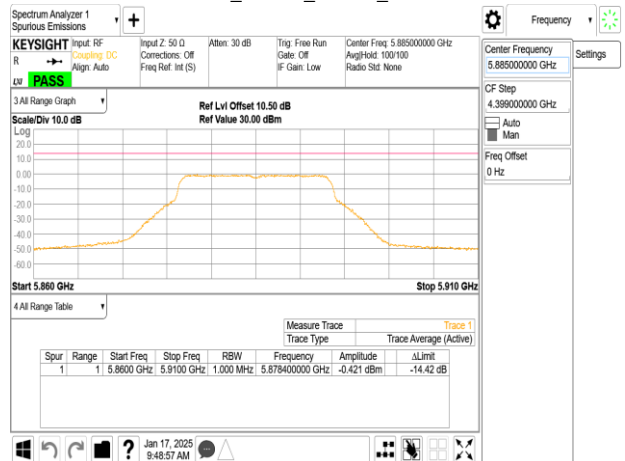
802.11a_20MHz_Chain0_5865MHz



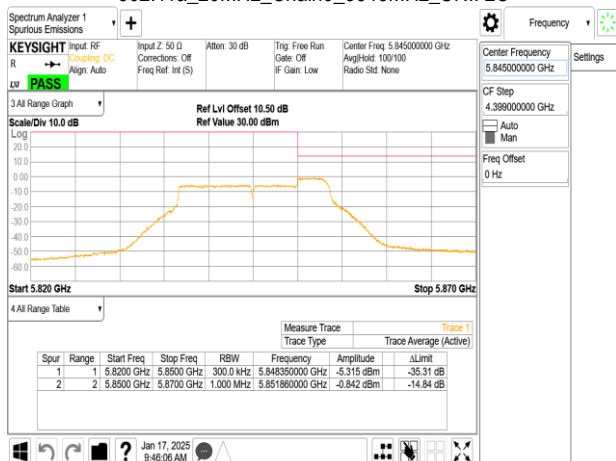
802.11a_20MHz_Chain0_5825MHz



802.11a_20MHz_Chain0_5885MHz



802.11a_20MHz_Chain0_5845MHz_UNII 2C



802.11n_20MHz_Chain0_5180MHz



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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