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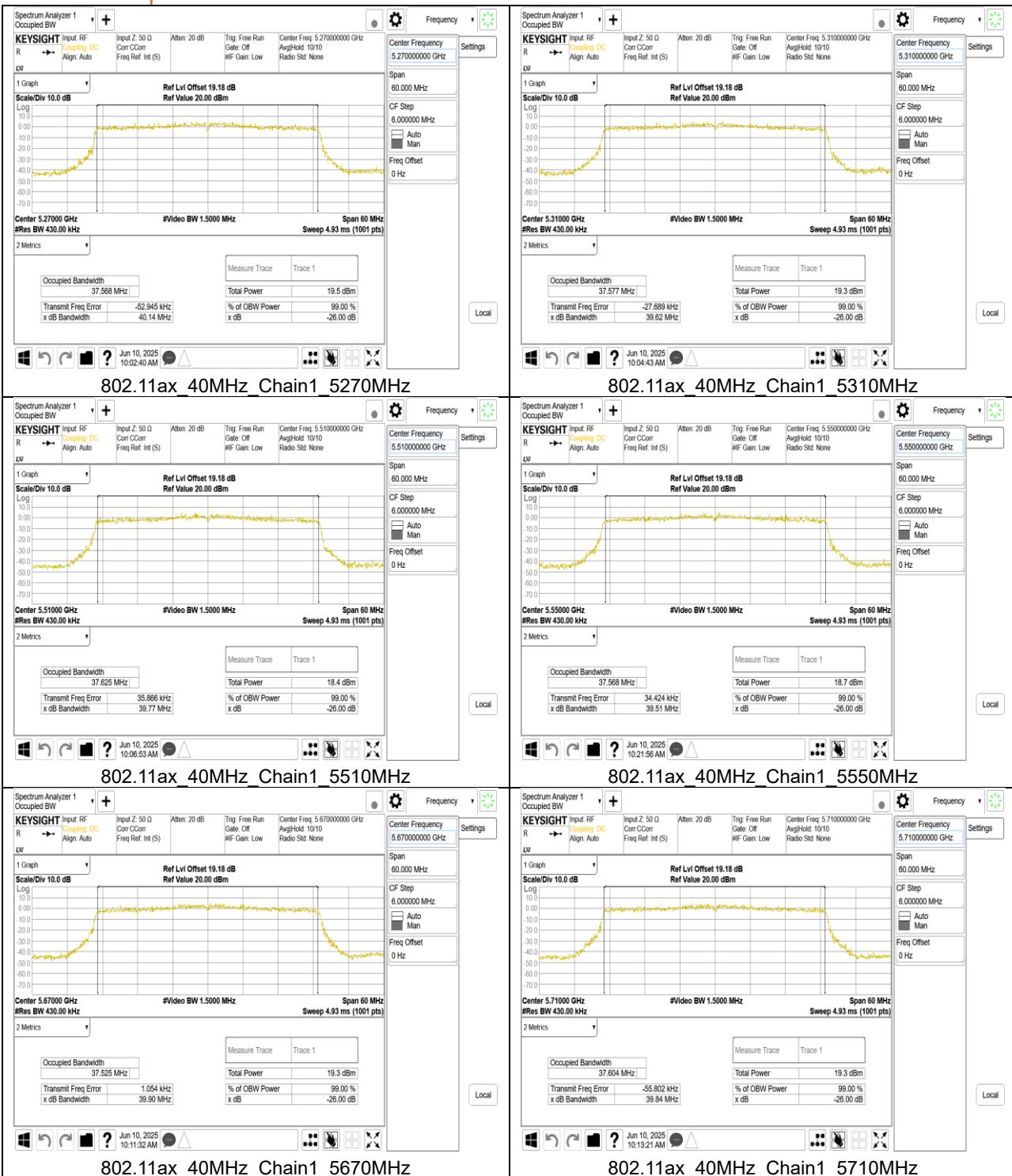
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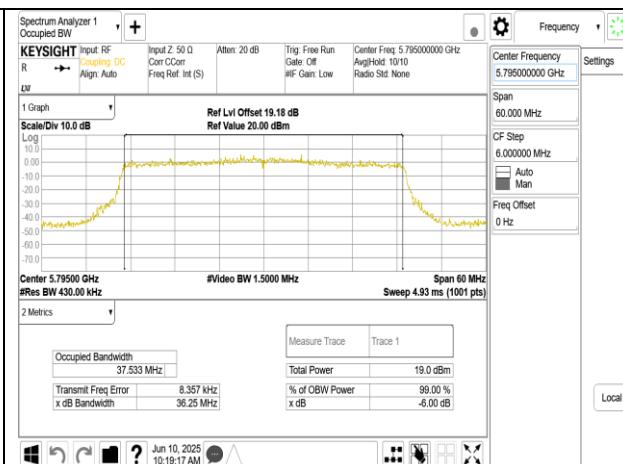
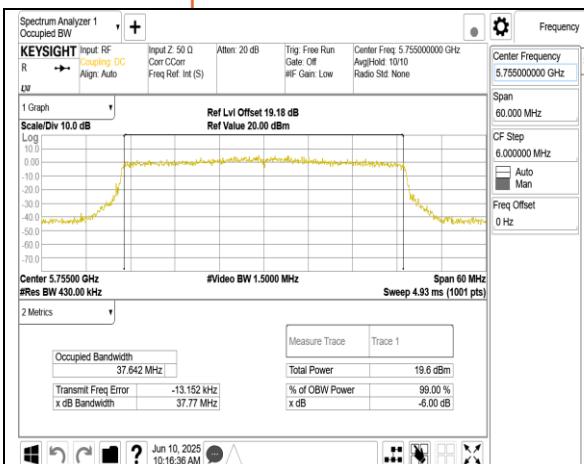
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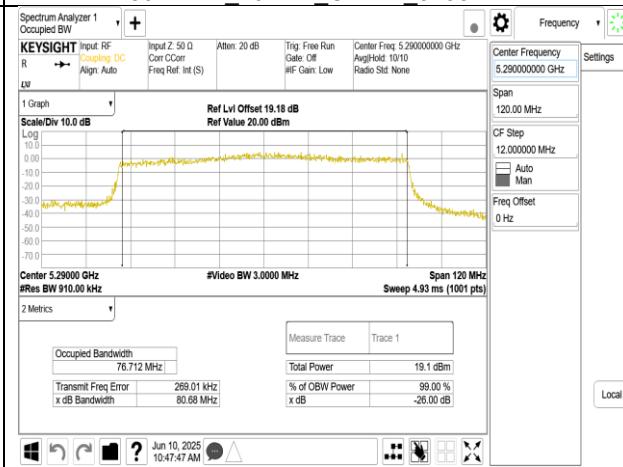
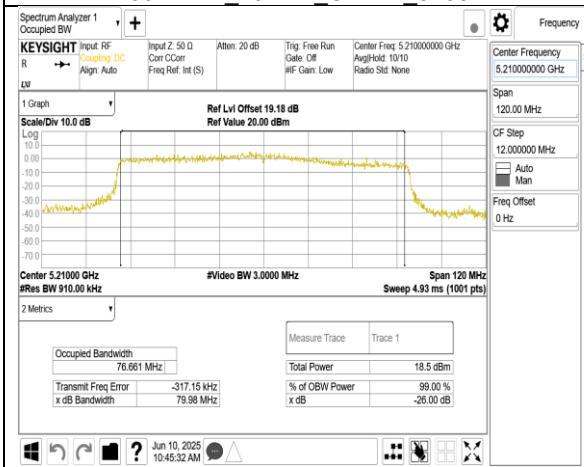
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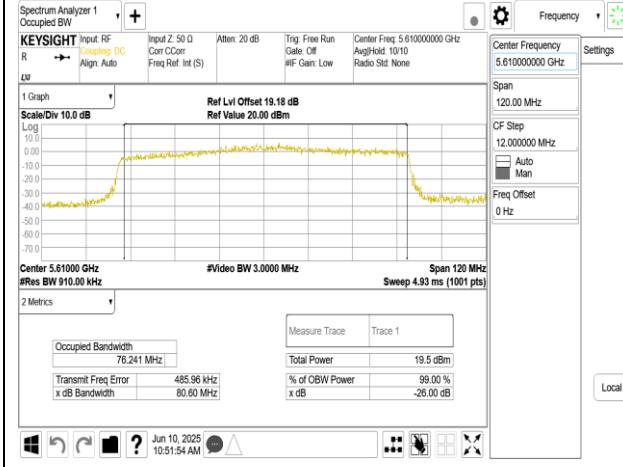
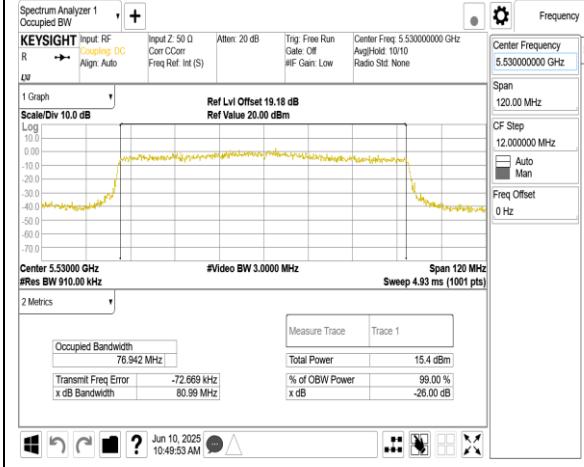


802.11ax 40MHz Chain1 5755MHz



802.11ax_80MHz_Chain0_5210MHz

802.11ax_80MHz_Chain0_5290MHz



802.11ax_80MHz_Chain0_5530MHz

802.11ax_80MHz_Chain0_5610MHz

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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.

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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	Not required	6dBi
	Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	Not required
U-NII-4	Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)	Not required	36dBm	Not required	Not required
	Indoor client (a channel spans 5725~5850 and 5850~5895MHz)	Not required	30dBm	Not required	Not required
	Subordinate device	Not required	36dBm	Not required	Not required
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 directional gain of the antenna. 2. For the 10 log B, B is the 26 dB emission bandwidth.					

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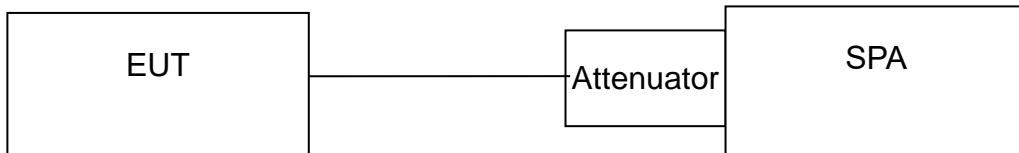
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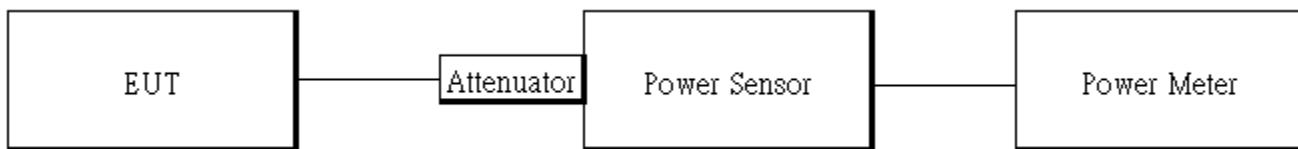
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9.2 Test Setup

9.2.1 Duty Cycle



9.2.2 Output Power



9.3 Measurement Procedure

9.3.1 Duty Cycle Measurements

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

9.3.2 Output Power Measurements

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

Note:

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

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

where

Each antenna is driven by no more than one spatial stream;
NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

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

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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	84.86	0.71	0.48	1.00	
802.11n_20	84.84	0.71	0.54	1.00	
802.11ac_20	84.74	0.72	1.06	2.00	
802.11n_40	84.64	0.72	1.11	2.00	
802.11ac_40	84.54	0.73	1.87	2.00	
802.11ac_80	84.69	0.72	1.85	2.00	
802.11ac_160	84.74	0.72	1.84	2.00	
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	242	84.58	0.73	1.34	2.00
	26 RU	84.90	0.71	0.22	1.00
	52 RU	84.94	0.71	0.22	1.00
	106 RU	84.86	0.71	0.28	1.00
802.11ax_40	484	84.54	0.73	1.79	2.00
	242 RU	84.75	0.72	0.63	1.00
802.11ax_80	996	84.64	0.72	1.78	2.00
	484 RU	86.33	0.64	1.21	2.00
802.11ax_160	996*2	84.73	0.72	1.77	2.00
	996 RU	86.81	0.61	1.67	2.00

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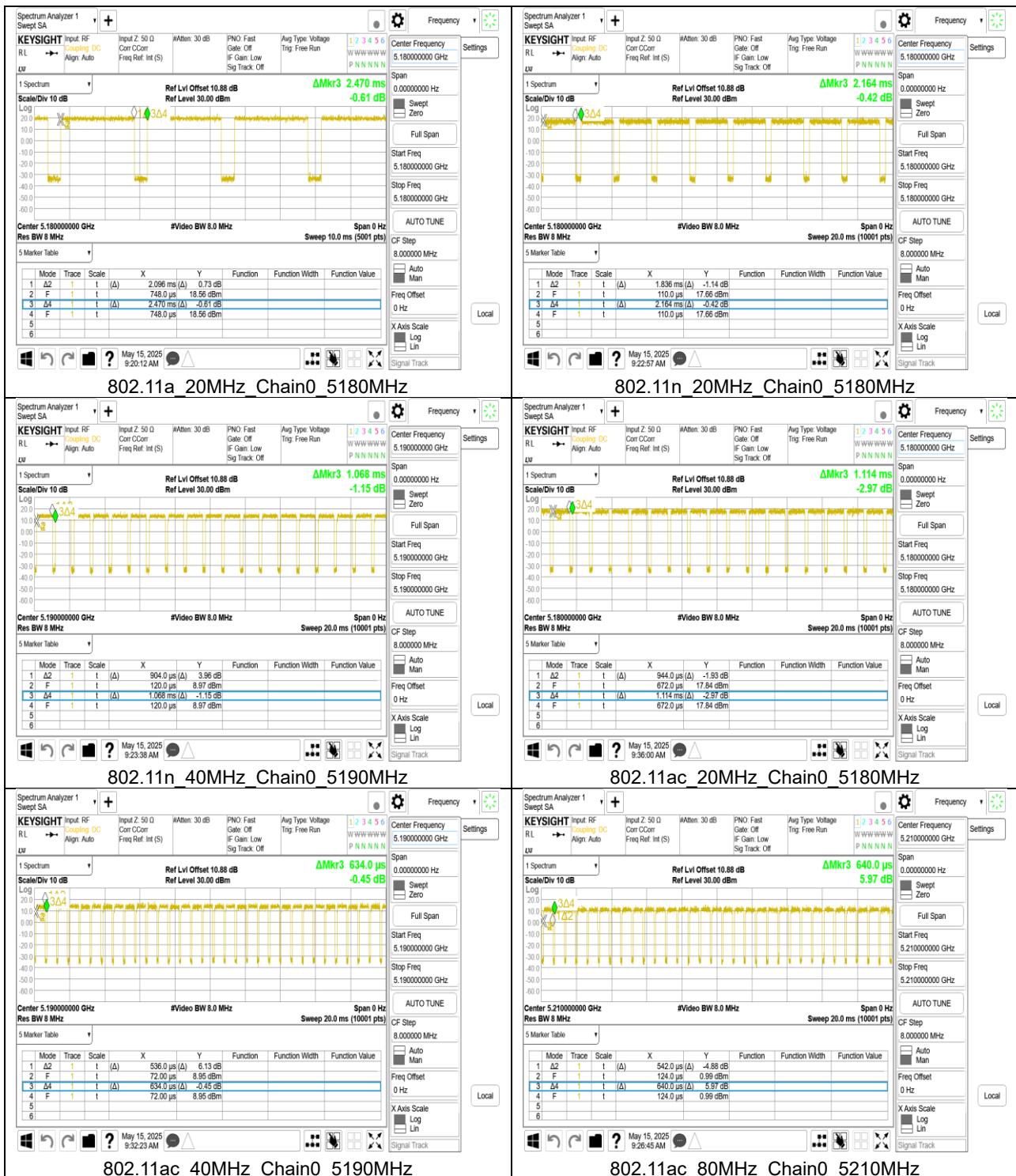
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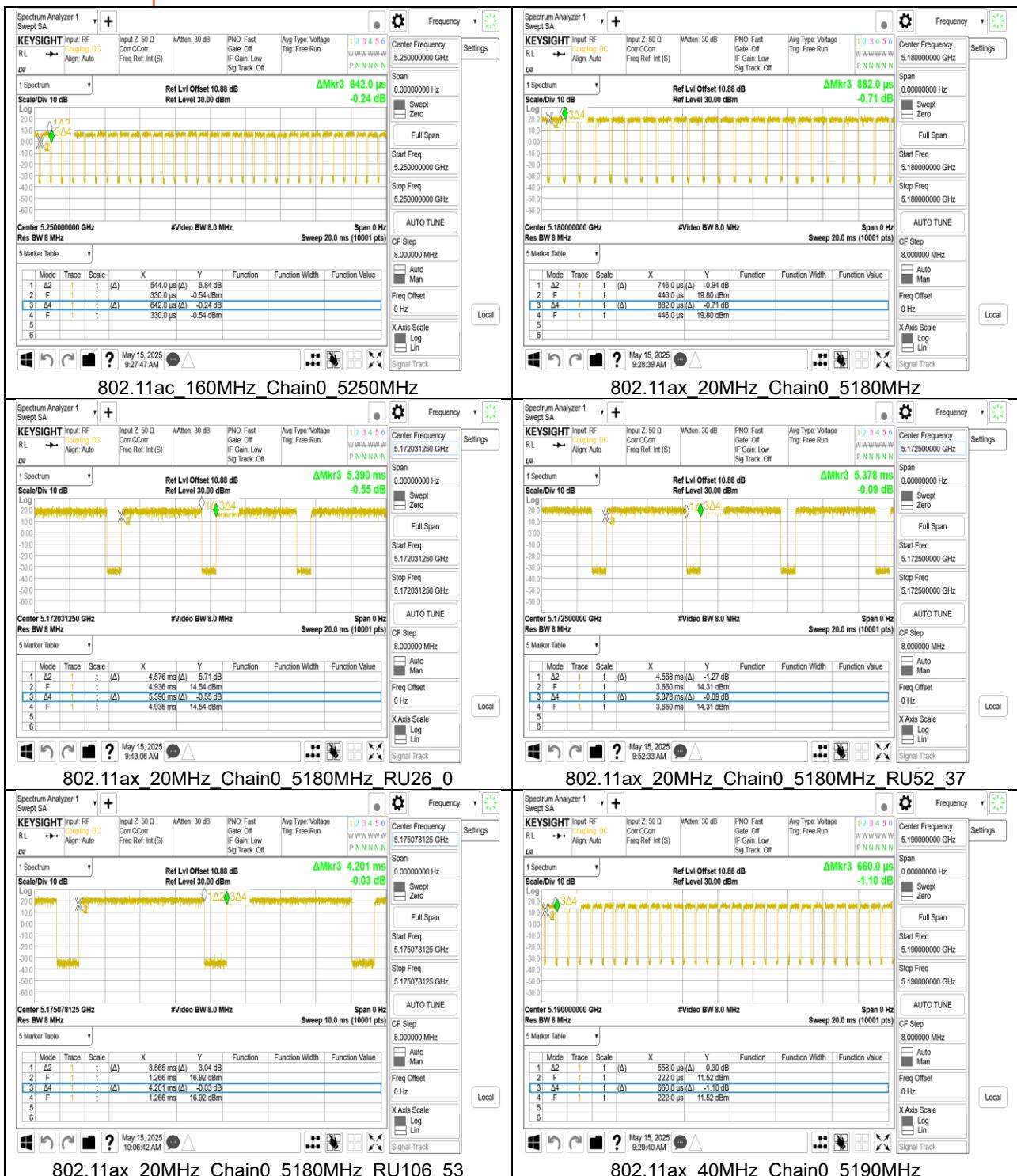
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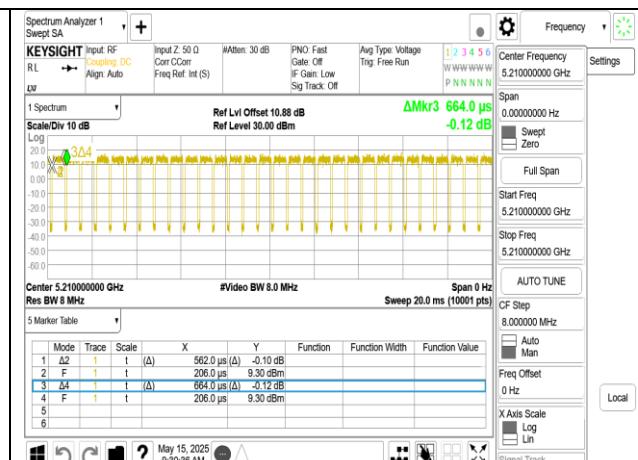
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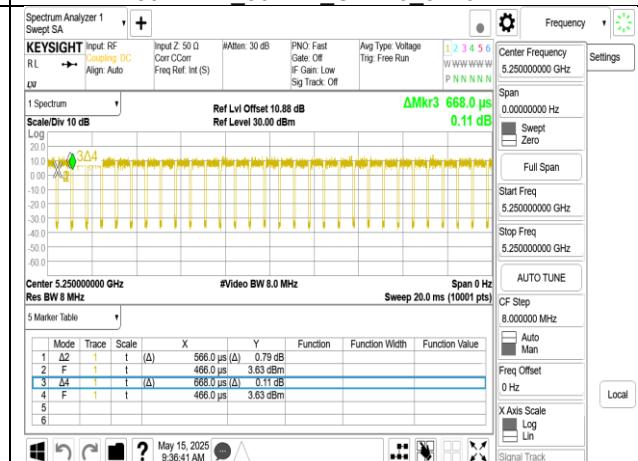
802.11ax 40MHz Chain0 5190MHz RU242 61



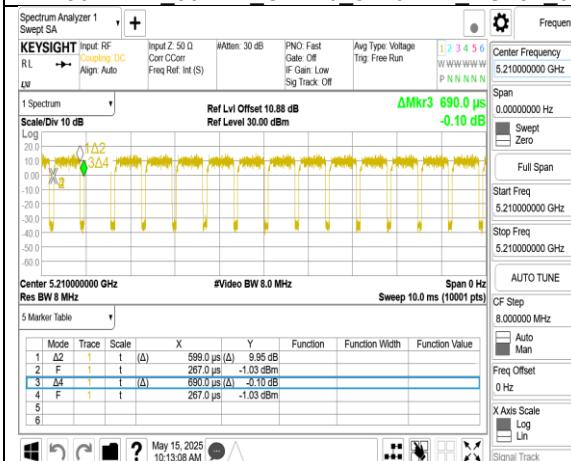
802.11ax 80MHz Chain0 5210MHz



802.11ax_80MHz_Chain0_5210MHz_RU484_65



802.11ax_160MHz_Chain0_5250MHz



802.11ax_160MHz_Chain0_5250MHz_RU996_67

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9.5 Output Power Measurement Result

9.5.1 FCC Output power

Note: For all straddle channels, full bandwidth power is reported in the UNII Band 2C because the combined UNII Band 2C and UNII Band 3 power already passed the worst-case UNII Band 2C limit.

802.11a_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
36	5180	6	15.84	15.93	77.598	18.90	23.98	PASS
44	5220	6	15.92	15.84	77.508	18.89	23.98	PASS
48	5240	6	15.69	15.98	76.748	18.85	23.98	PASS
52	5260	6	15.80	15.91	77.066	18.87	23.7	PASS
60	5300	6	15.76	16.03	77.810	18.91	23.66	PASS
64	5320	6	15.52	16.03	75.784	18.80	23.65	PASS
100	5500	6	15.43	16.34	78.020	18.92	23.78	PASS
116	5580	6	15.63	15.97	76.148	18.82	23.68	PASS
140	5700	6	15.67	15.97	76.487	18.84	23.71	PASS
144	5720	6	15.43	16.01	74.868	18.74	22.6	PASS
149	5745	6	15.65	15.95	76.135	18.82	30	PASS
157	5785	6	16.13	15.61	77.465	18.89	30	PASS
165	5825	6	16.28	15.46	77.671	18.90	30	PASS

802.11n_HT20_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
36	5180	MCS0	14.71	14.67	58.943	17.70	23.98	PASS
44	5220	MCS0	14.54	14.59	57.271	17.58	23.98	PASS
48	5240	MCS0	14.51	14.56	56.877	17.55	23.98	PASS
52	5260	MCS0	14.64	14.53	57.539	17.60	23.88	PASS
60	5300	MCS0	14.76	14.50	58.160	17.65	23.95	PASS
64	5320	MCS0	14.76	14.46	57.901	17.63	23.97	PASS
100	5500	MCS0	15.18	14.44	60.814	17.84	23.9	PASS
116	5580	MCS0	15.03	14.81	62.168	17.94	23.91	PASS
140	5700	MCS0	14.77	14.50	58.229	17.65	23.8	PASS
144	5720	MCS0	14.80	14.32	57.292	17.58	22.75	PASS
149	5745	MCS0	15.01	14.61	60.658	17.83	30	PASS
157	5785	MCS0	14.47	14.80	58.243	17.65	30	PASS
165	5825	MCS0	14.53	15.31	62.399	17.95	30	PASS

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802.11n_HT40_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
38	5190	MCS0	14.07	14.09	51.222	17.09	23.98	PASS
46	5230	MCS0	14.44	14.40	55.394	17.43	23.98	PASS
54	5270	MCS0	14.47	14.27	54.773	17.39	23.98	PASS
62	5310	MCS0	13.35	13.82	45.771	16.61	23.98	PASS
102	5510	MCS0	14.67	14.17	55.485	17.44	23.98	PASS
110	5550	MCS0	14.52	14.37	55.721	17.46	23.98	PASS
134	5670	MCS0	14.42	14.33	54.825	17.39	23.98	PASS
142	5710	MCS0	14.46	14.40	55.522	17.44	23.98	PASS
151	5755	MCS0	14.62	14.32	56.068	17.49	30	PASS
159	5795	MCS0	14.22	14.63	55.519	17.44	30	PASS

802.11ac_VHT20_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
36	5180	MCS0	14.69	14.57	58.074	17.64	23.98	PASS
44	5220	MCS0	14.59	14.54	57.207	17.57	23.98	PASS
48	5240	MCS0	14.56	14.50	56.748	17.54	23.98	PASS
52	5260	MCS0	14.65	14.47	57.152	17.57	23.88	PASS
60	5300	MCS0	14.71	14.36	56.858	17.55	23.95	PASS
64	5320	MCS0	14.82	14.36	57.617	17.61	23.97	PASS
100	5500	MCS0	15.22	14.34	60.418	17.81	23.9	PASS
116	5580	MCS0	15.11	14.71	62.001	17.92	23.91	PASS
140	5700	MCS0	14.80	14.46	58.113	17.64	23.8	PASS
144	5720	MCS0	14.82	14.28	57.119	17.57	22.75	PASS
149	5745	MCS0	15.00	14.60	60.451	17.81	30	PASS
157	5785	MCS0	14.43	14.84	58.200	17.65	30	PASS
165	5825	MCS0	14.11	14.89	56.584	17.53	30	PASS

802.11ac_VHT40_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
38	5190	MCS0	14.01	14.04	50.521	17.03	23.98	PASS
46	5230	MCS0	14.17	14.19	52.356	17.19	23.98	PASS
54	5270	MCS0	14.38	14.09	53.053	17.25	23.98	PASS
62	5310	MCS0	13.34	13.74	45.230	16.55	23.98	PASS
102	5510	MCS0	14.15	14.68	55.370	17.43	23.98	PASS
110	5550	MCS0	14.21	14.51	54.604	17.37	23.98	PASS
134	5670	MCS0	13.98	14.07	50.523	17.03	23.98	PASS
142	5720	MCS0	14.05	14.16	51.464	17.12	23.98	PASS
151	5755	MCS0	14.26	14.60	55.501	17.44	30	PASS
159	5795	MCS0	14.63	14.14	54.974	17.40	30	PASS

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802.11ac_VHT80_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
42	5210	MCS0	12.89	12.88	38.877	15.90	23.98	PASS
58	5290	MCS0	13.58	13.97	47.768	16.79	23.98	PASS
106	5530	MCS0	11.30	12.09	29.682	14.72	23.98	PASS
122	5610	MCS0	13.79	14.11	49.716	16.96	23.98	PASS
138	5690	MCS0	13.38	13.77	45.618	16.59	23.98	PASS
155	5775	MCS0	13.99	13.67	48.361	16.84	30	PASS

802.11ac_VHT160_2TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1				
50	5250	MCS0	10.23	10.46	21.657	13.36	23.98	PASS
114	5570	MCS0	10.08	10.33	20.971	13.22	23.98	PASS

802.11ax_HE20_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	full	14.84	14.92	61.487	17.89	23.98	PASS
		MCS0	26/0	6.98	6.92	9.911	9.96	23.98	PASS
		MCS0	52/37	9.64	9.69	18.511	12.67	23.98	PASS
		MCS0	106/53	13.42	13.37	43.736	16.41	23.98	PASS
44	5220	MCS0	full	14.87	14.83	61.061	17.86	23.98	PASS
48	5240	MCS0	full	14.85	14.81	60.781	17.84	23.98	PASS
52	5260	MCS0	full	14.89	14.93	61.911	17.92	23.98	PASS
60	5300	MCS0	full	14.69	14.97	60.812	17.84	23.98	PASS
64	5320	MCS0	full	14.63	15.00	60.626	17.83	23.98	PASS
		MCS0	26/8	6.81	7.54	10.475	10.20	23.98	PASS
		MCS0	52/40	9.55	10.26	19.628	12.93	23.98	PASS
		MCS0	106/54	12.11	12.64	34.645	15.40	23.98	PASS
100	5500	MCS0	full	14.63	15.21	62.191	17.94	23.98	PASS
		MCS0	26/0	7.42	7.98	11.804	10.72	23.98	PASS
		MCS0	52/37	10.31	10.74	22.592	13.54	23.98	PASS
		MCS0	106/53	13.29	13.97	46.308	16.66	23.98	PASS
116	5580	MCS0	full	14.72	15.13	62.194	17.94	23.98	PASS
140	5700	MCS0	full	14.75	15.02	61.585	17.89	23.98	PASS
		MCS0	26/8	6.93	7.65	10.755	10.32	23.98	PASS
		MCS0	52/40	10.02	10.46	21.158	13.25	23.98	PASS
		MCS0	106/54	10.22	10.48	21.703	13.37	23.98	PASS
144	5720	MCS0	full	14.56	15.05	60.528	17.82	22.74	PASS
149	5745	MCS0	full	14.68	15.14	61.997	17.92	30	PASS
		MCS0	26/0	7.03	7.24	10.345	10.15	30	PASS
		MCS0	52/37	6.77	7.01	9.774	9.90	30	PASS
		MCS0	106/53	13.45	13.68	45.497	16.58	30	PASS
157	5785	MCS0	full	15.03	14.62	60.778	17.84	30	PASS
165	5825	MCS0	full	15.30	14.56	62.422	17.95	30	PASS
		MCS0	26/8	7.17	6.62	9.806	9.91	30	PASS
		MCS0	52/40	7.43	7.03	10.577	10.24	30	PASS
		MCS0	106/54	7.58	6.77	10.488	10.21	30	PASS

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802.11ax_HE40_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	full	14.59	14.21	55.129	17.41	23.98	PASS
		MCS0	242/61	13.06	12.92	39.806	16.00	23.98	PASS
46	5230	MCS0	full	14.35	14.05	52.629	17.21	23.98	PASS
54	5270	MCS0	full	14.38	14.33	54.510	17.36	23.98	PASS
62	5310	MCS0	full	14.04	14.26	52.012	17.16	23.98	PASS
		MCS0	242/62	12.09	12.36	33.389	15.24	23.98	PASS
102	5510	MCS0	full	14.19	14.69	55.678	17.46	23.98	PASS
		MCS0	242/61	10.62	11.33	25.110	14.00	23.98	PASS
110	5550	MCS0	full	14.35	14.55	55.678	17.46	23.98	PASS
134	5670	MCS0	full	14.20	14.18	52.477	17.20	23.98	PASS
		MCS0	242/62	10.09	10.34	21.017	13.23	23.98	PASS
142	5710	MCS0	full	14.21	14.22	52.780	17.22	23.98	PASS
151	5755	MCS0	full	14.32	14.55	55.542	17.45	30	PASS
		MCS0	242/61	14.01	14.41	52.766	17.22	30	PASS
159	5795	MCS0	full	14.55	14.24	55.048	17.41	30	PASS
		MCS0	242/62	13.27	12.96	40.989	16.13	30	PASS

802.11ax_HE80_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	full	12.75	12.80	37.928	15.79	23.98	PASS
		MCS0	484/65	10.27	10.41	21.623	13.35	23.98	PASS
58	5290	MCS0	full	13.58	13.89	47.340	16.75	23.98	PASS
		MCS0	484/66	9.37	9.58	17.721	12.48	23.98	PASS
106	5530	MCS0	full	11.35	12.03	29.634	14.72	23.98	PASS
		MCS0	484/65	8.95	9.58	16.924	12.29	23.98	PASS
122	5610	MCS0	full	13.92	13.99	49.770	16.97	23.98	PASS
		MCS0	484/66	11.95	12.17	32.137	15.07	23.98	PASS
138	5690	MCS0	full	13.84	14.00	49.377	16.94	23.98	PASS
155	5775	MCS0	full	14.06	13.69	48.904	16.89	30	PASS
		MCS0	484/65	13.13	12.61	38.783	15.89	30	PASS
		MCS0	484/66	11.76	11.30	28.476	14.54	30	PASS

802.11ax_HE160_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
50	5250	MCS0	full	10.78	10.90	24.268	13.85	23.98	PASS
		MCS0	996/67	8.41	8.25	13.631	11.35	23.98	PASS
		MCS0	996/S67	7.47	7.67	11.444	10.59	23.98	PASS
114	5570	MCS0	full	10.37	10.57	22.290	13.48	23.98	PASS
		MCS0	996/67	7.51	7.70	11.536	10.62	23.98	PASS
		MCS0	996/S67	6.63	6.81	9.409	9.74	23.98	PASS

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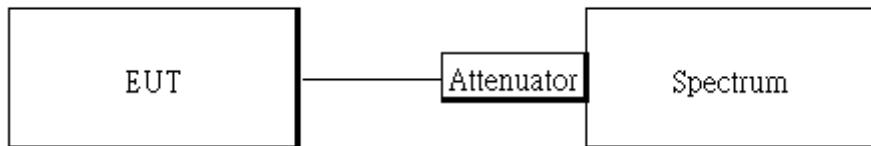
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10 MAXIMUM POWER SPECTRAL DENSITY

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 Ponit		17dBm / MHz	23dBi
	V	Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C	V	All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
U-NII-4	Indoor AP		20dBm / MHz e.i.r.p.	Not required
	Indoor client		14dBm / MHz e.i.r.p.	Not required
	Subordinate device		20dBm / MHz e.i.r.p.	Not required
If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna.				

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)

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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 $10 \log (500 \text{ kHz}/\text{RBW})$ to the measured result.

5. User 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 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:

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

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.

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

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 k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

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10.4 Measurement Result

POWER DENSITY 802.11a MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	5.194	4.892	0.71	8.77		11.00 dBm/MHz	-2.23
5220	4.900	4.852	0.71	8.60		11.00 dBm/MHz	-2.40
5240	5.256	4.992	0.71	8.85		11.00 dBm/MHz	-2.15
5260	4.922	5.223	0.71	8.80		11.00 dBm/MHz	-2.20
5300	4.768	4.970	0.71	8.59		11.00 dBm/MHz	-2.41
5320	4.278	4.749	0.71	8.24		11.00 dBm/MHz	-2.76
5500	3.766	4.241	0.71	7.73		11.00 dBm/MHz	-3.27
5580	4.682	3.337	0.71	7.78		11.00 dBm/MHz	-3.22
5700	5.329	5.667	0.71	9.22		11.00 dBm/MHz	-1.78
5720 (U-NII 2C)	5.262	5.754	0.71	9.24		11.00 dBm/MHz	-1.76
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)	-2.986	-2.776	0.71	2.22	3.06	30.00 dBm/500kHz	-26.94
5745	-0.015	0.736	0.71	2.22	6.32	30.00 dBm/500kHz	-23.68
5785	0.410	0.043	0.71	2.22	6.17	30.00 dBm/500kHz	-23.83
5825	0.572	-0.734	0.71	2.22	5.91	30.00 dBm/500kHz	-24.09
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	3.344	3.719	0.71	7.26		11.00 dBm/MHz	-3.74
5220	3.251	3.318	0.71	7.00		11.00 dBm/MHz	-4.00
5240	3.179	3.307	0.71	6.96		11.00 dBm/MHz	-4.04
5260	2.692	3.684	0.71	6.94		11.00 dBm/MHz	-4.06
5300	2.963	2.983	0.71	6.69		11.00 dBm/MHz	-4.31
5320	3.203	3.360	0.71	7.00		11.00 dBm/MHz	-4.00
5500	2.193	2.764	0.71	6.21		11.00 dBm/MHz	-4.79
5580	3.667	3.400	0.71	7.26		11.00 dBm/MHz	-3.74
5700	3.471	3.917	0.71	7.42		11.00 dBm/MHz	-3.58
5720 (U-NII 2C)	3.273	3.929	0.71	7.33		11.00 dBm/MHz	-3.67
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)	-4.887	-4.152	0.71	2.22	1.44	30.00 dBm/500kHz	-28.56
5745	-1.029	-0.915	0.71	2.22	4.97	30.00 dBm/500kHz	-25.03
5785	-0.857	-1.721	0.71	2.22	4.67	30.00 dBm/500kHz	-25.33
5825	-0.060	-2.298	0.71	2.22	4.90	30.00 dBm/500kHz	-25.10

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POWER DENSITY 802.11n HT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	0.192	-0.486	0.72	3.60		11.00 dBm/MHz	-7.40
5230	0.686	-0.096	0.72	4.04		11.00 dBm/MHz	-6.96
5270	0.097	-0.067	0.72	3.75		11.00 dBm/MHz	-7.25
5310	-1.592	-0.718	0.72	2.60		11.00 dBm/MHz	-8.40
5510	-0.617	-0.133	0.72	3.36		11.00 dBm/MHz	-7.64
5550	-1.047	-0.700	0.72	2.86		11.00 dBm/MHz	-8.14
5670	0.482	0.635	0.72	4.29		11.00 dBm/MHz	-6.71
5710 (U-NII 2C)	0.284	0.478	0.72	4.11		11.00 dBm/MHz	-6.89
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)	-8.591	-8.403	0.72	2.22	-2.55	30.00 dBm/500kHz	-32.55
5755	-4.451	-4.547	0.72	2.22	1.45	30.00 dBm/500kHz	-28.55
5795	-4.491	-4.959	0.72	2.22	1.23	30.00 dBm/500kHz	-28.77
POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-4.105	-3.805	0.72	-0.22		11.00 dBm/MHz	-11.22
5290	-2.763	-3.167	0.72	0.77		11.00 dBm/MHz	-10.23
5530	-7.585	-6.075	0.72	-3.03		11.00 dBm/MHz	-14.03
5610	-2.813	-1.706	0.72	1.51		11.00 dBm/MHz	-9.49
5690 (U-NII 2C)	-2.454	-2.403	0.72	1.30		11.00 dBm/MHz	-9.70
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)	-15.072	-11.877	0.72	2.22	-7.24	30.00 dBm/500kHz	-37.24
5775	-7.809	-8.000	0.72	2.22	-1.95	30.00 dBm/500kHz	-31.95
POWER DENSITY 802.11ac VHT160 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5250	-9.333	-9.009	0.72	-5.44		11.00 dBm/MHz	-16.44
5570	-10.250	-9.743	0.72	-6.26		11.00 dBm/MHz	-17.26

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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	4.001	4.204	0.73	7.84	11.00 dBm/MHz	-3.16	
	26/0	3.844	3.598	0.71	7.44	11.00 dBm/MHz	-3.56	
	52/37	4.488	3.705	0.71	7.83	11.00 dBm/MHz	-3.17	
	106/53	3.703	3.563	0.71	7.35	11.00 dBm/MHz	-3.65	
5220	full	3.825	3.361	0.73	7.34	11.00 dBm/MHz	-3.66	
5240	full	3.342	3.426	0.73	7.12	11.00 dBm/MHz	-3.88	
5260	full	3.905	3.615	0.73	7.50	11.00 dBm/MHz	-3.50	
5300	full	2.971	3.602	0.73	7.04	11.00 dBm/MHz	-3.96	
5320	full	3.655	3.511	0.73	7.32	11.00 dBm/MHz	-3.68	
	26/8	3.413	3.370	0.71	7.11	11.00 dBm/MHz	-3.89	
	52/40	3.968	2.967	0.71	7.22	11.00 dBm/MHz	-3.78	
	106/54	2.447	2.491	0.71	6.19	11.00 dBm/MHz	-4.81	
5500	full	3.094	3.161	0.73	6.87	11.00 dBm/MHz	-4.13	
	26/0	2.639	3.040	0.71	6.56	11.00 dBm/MHz	-4.44	
	52/37	2.867	2.825	0.71	6.57	11.00 dBm/MHz	-4.43	
	106/53	3.074	3.076	0.71	6.80	11.00 dBm/MHz	-4.20	
5580	full	3.590	3.097	0.73	7.09	11.00 dBm/MHz	-3.91	
5700	full	4.161	4.542	0.73	8.10	11.00 dBm/MHz	-2.90	
	26/8	3.498	4.262	0.71	7.62	11.00 dBm/MHz	-3.38	
	52/40	4.077	4.182	0.71	7.85	11.00 dBm/MHz	-3.15	
	106/54	0.650	1.233	0.71	4.67	11.00 dBm/MHz	-6.33	
5720 (U-NII 2C)	full	3.354	4.145	0.73	7.51	11.00 dBm/MHz	-3.49	
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	-4.343	-4.258	0.73	2.22	1.66	30.00 dBm/500kHz	-28.34
5745	full	-1.025	-1.163	0.73	2.22	4.87	30.00 dBm/500kHz	-25.13
	26/0	-1.518	-1.467	0.71	2.22	4.45	30.00 dBm/500kHz	-25.55
	52/37	-1.254	-1.532	0.71	2.22	4.55	30.00 dBm/500kHz	-25.45
	106/53	-1.203	-0.970	0.71	2.22	4.86	30.00 dBm/500kHz	-25.14
5785	full	-0.856	-1.683	0.73	2.22	4.71	30.00 dBm/500kHz	-25.29
5825	full	-1.106	-1.112	0.73	2.22	4.85	30.00 dBm/500kHz	-25.15
	26/8	-1.554	-1.565	0.71	2.22	4.38	30.00 dBm/500kHz	-25.62
	52/40	-1.410	-1.772	0.71	2.22	4.35	30.00 dBm/500kHz	-25.65
	106/54	-1.639	-1.409	0.71	2.22	4.42	30.00 dBm/500kHz	-25.58

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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	0.278	0.477	0.73	4.12	11.00 dBm/MHz	-6.88
	242/61	-0.267	0.156	0.72	3.68	11.00 dBm/MHz	-7.32
5230	full	0.140	-0.094	0.73	3.76	11.00 dBm/MHz	-7.24
5270	full	-2.730	-2.340	0.73	1.21	11.00 dBm/MHz	-9.79
5310	full	-0.458	-0.451	0.73	3.29	11.00 dBm/MHz	-7.71
	242/62	-1.321	-1.223	0.72	2.46	11.00 dBm/MHz	-8.54
5510	full	-1.772	-1.223	0.73	2.25	11.00 dBm/MHz	-8.75
	242/61	-3.065	-3.400	0.72	0.50	11.00 dBm/MHz	-10.50
5550	full	-3.722	-3.447	0.73	0.16	11.00 dBm/MHz	-10.84
5670	full	1.072	0.728	0.73	4.64	11.00 dBm/MHz	-6.36
	242/62	-2.080	-2.972	0.72	1.23	11.00 dBm/MHz	-9.77
5710 (U-NII 2C)	full	-0.131	0.063	0.73	3.71	11.00 dBm/MHz	-7.29
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
5710 (U-NII 3)	full	-9.715	-8.457	0.73	2.22	-3.08	30.00 dBm/500kHz
5755	full	-3.612	-4.147	0.73	2.22	2.09	30.00 dBm/500kHz
	242/61	-3.867	-3.936	0.72	2.22	2.05	30.00 dBm/500kHz
5795	full	-5.018	-5.390	0.73	2.22	0.76	30.00 dBm/500kHz
	242/62	-5.303	-5.275	0.72	2.22	0.66	30.00 dBm/500kHz
POWER DENSITY 802.11ax HE80 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5210	full	-3.975	-3.629	0.72	-0.07	11.00 dBm/MHz	-11.07
	484/65	-3.553	-5.413	0.64	-0.73	11.00 dBm/MHz	-11.73
5290	full	-3.293	-3.039	0.72	0.57	11.00 dBm/MHz	-10.43
	484/66	-5.117	-6.545	0.64	-2.12	11.00 dBm/MHz	-13.12
5530	full	-7.258	-6.250	0.72	-2.99	11.00 dBm/MHz	-13.99
	484/65	-7.638	-7.832	0.64	-4.08	11.00 dBm/MHz	-15.08
5610	full	-3.157	-2.554	0.72	0.89	11.00 dBm/MHz	-10.11
	484/66	-5.328	-4.174	0.64	-1.06	11.00 dBm/MHz	-12.06
5690 (U-NII 2C)	full	-1.730	-1.714	0.72	2.01	11.00 dBm/MHz	-8.99
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
5690 (U-NII 3)	full	-13.843	-12.825	0.72	2.22	-7.35	30.00 dBm/500kHz
5775	full	-7.747	-7.916	0.72	2.22	-1.88	30.00 dBm/500kHz
	484/65	-8.048	-8.002	0.64	2.22	-2.15	30.00 dBm/500kHz
	484/66	-7.518	-8.365	0.64	2.22	-2.05	30.00 dBm/500kHz
POWER DENSITY 802.11ax HE160 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5250	full	-8.412	-8.618	0.72	-4.78	11.00 dBm/MHz	-15.78
	996/67	-10.405	-11.036	0.61	-7.09	11.00 dBm/MHz	-18.09
	996/S67	-11.793	-11.590	0.61	-8.07	11.00 dBm/MHz	-19.07
5570	full	-10.046	-9.790	0.72	-6.19	11.00 dBm/MHz	-17.19
	996/67	-12.521	-12.359	0.61	-8.82	11.00 dBm/MHz	-19.82
	996/S67	-13.011	-12.461	0.61	-9.11	11.00 dBm/MHz	-20.11

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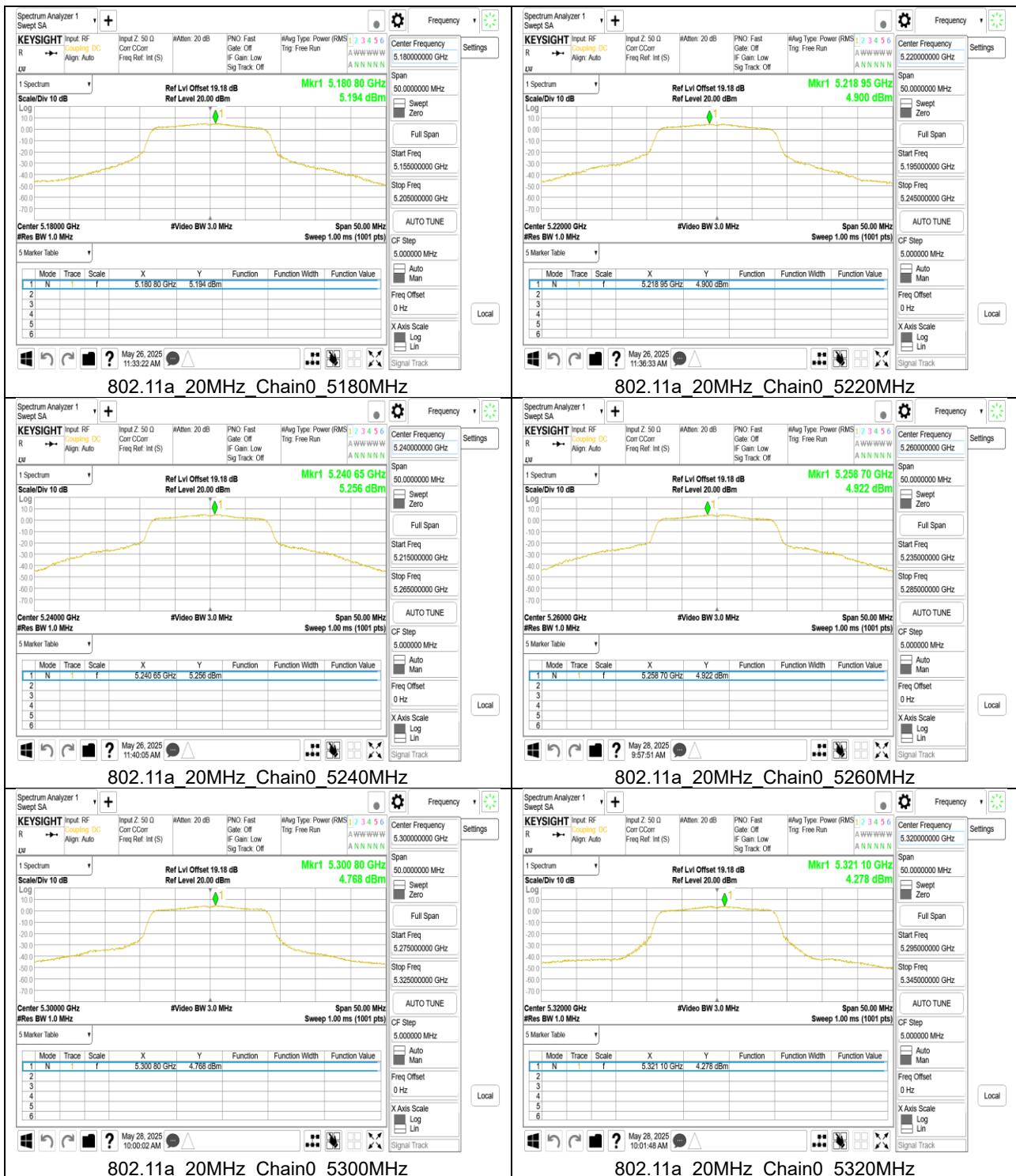
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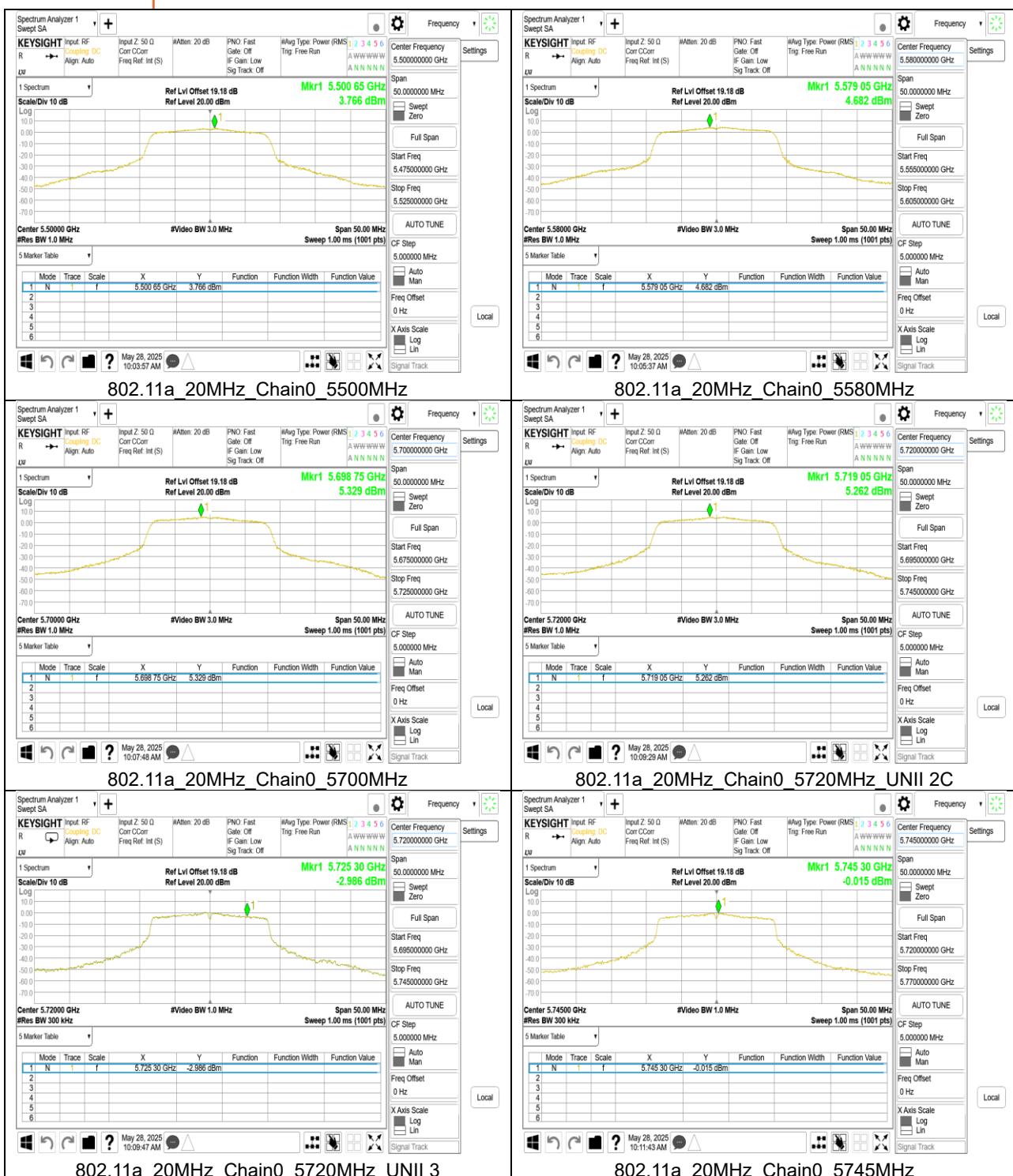
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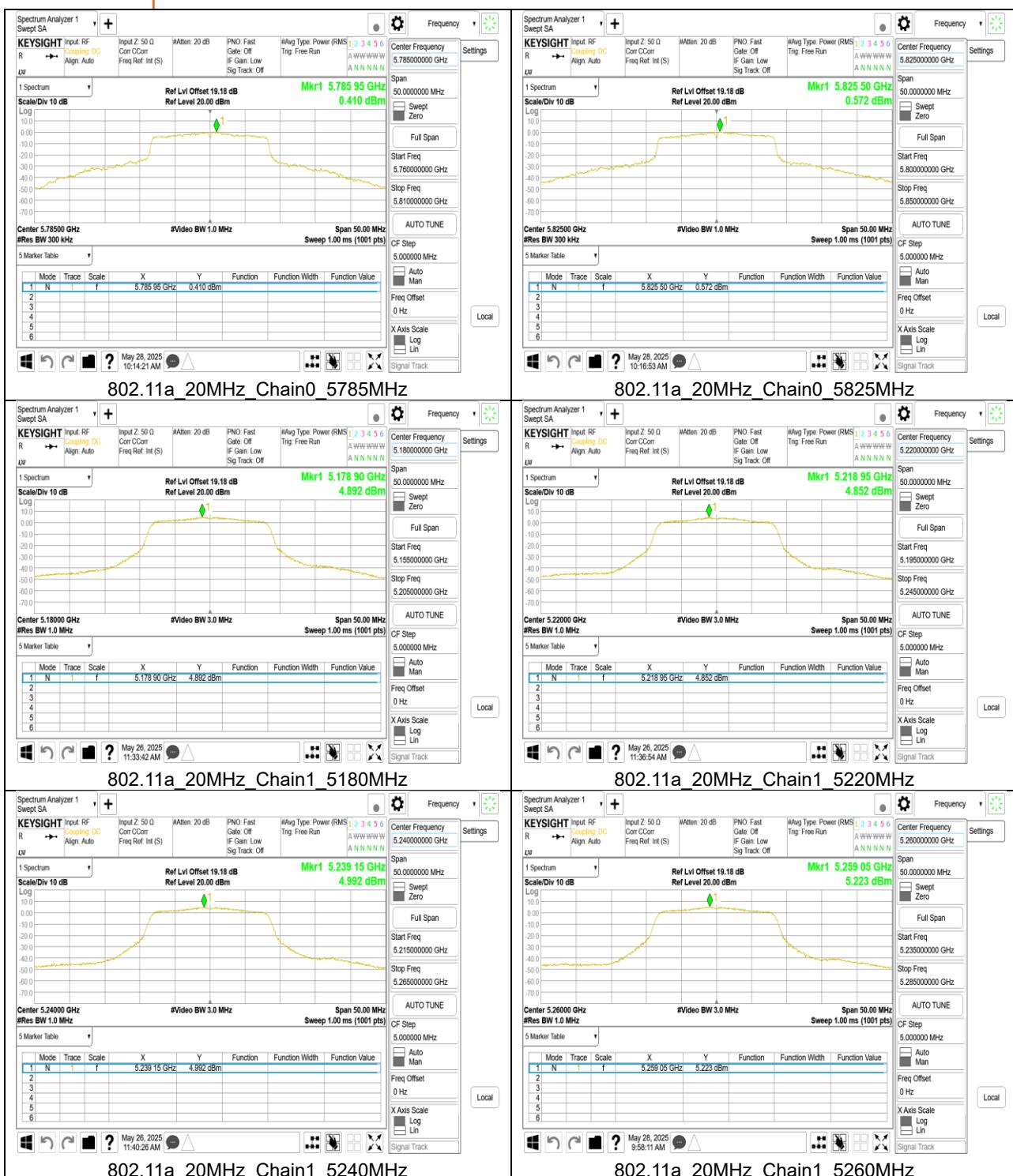
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