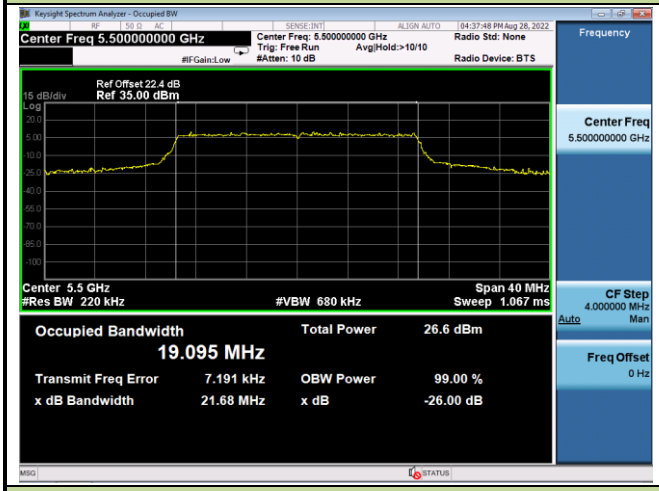
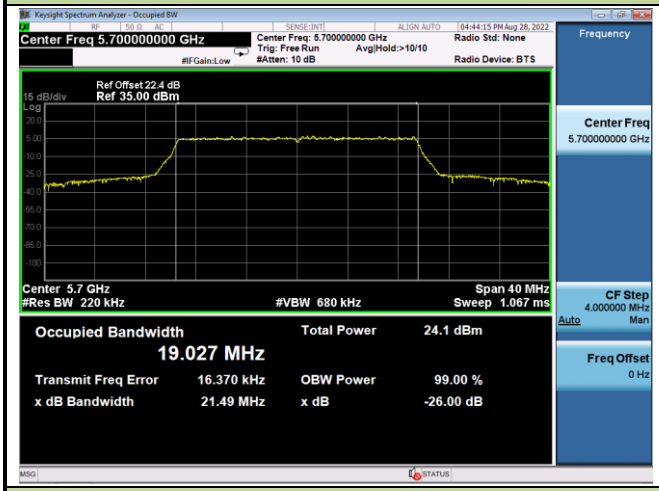
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

Channel 100 (5500MHz)

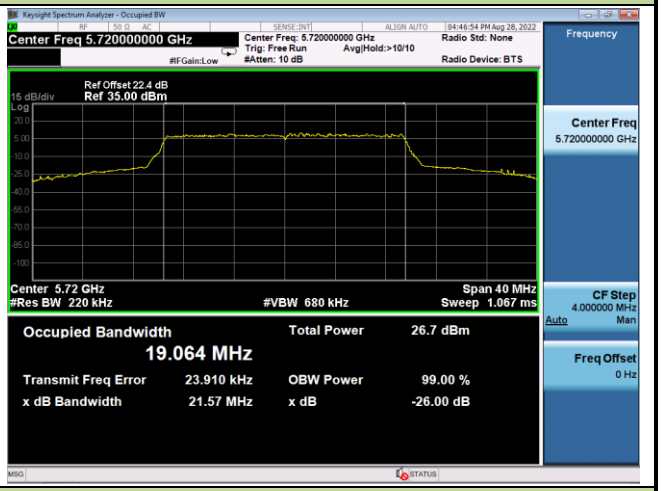


Channel 116 (5580MHz)

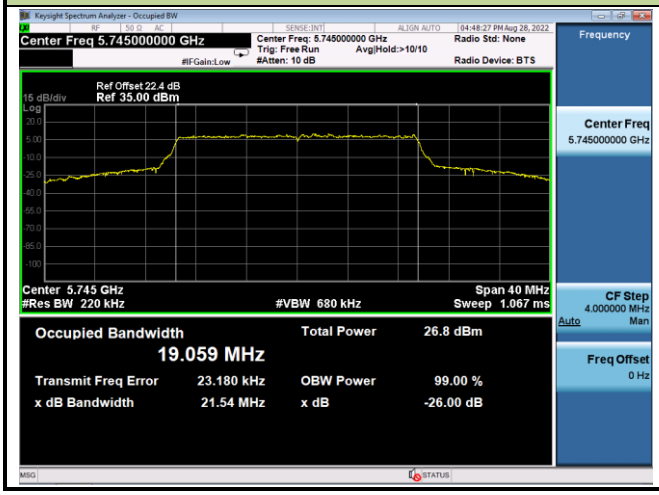
Channel 140 (5700MHz)



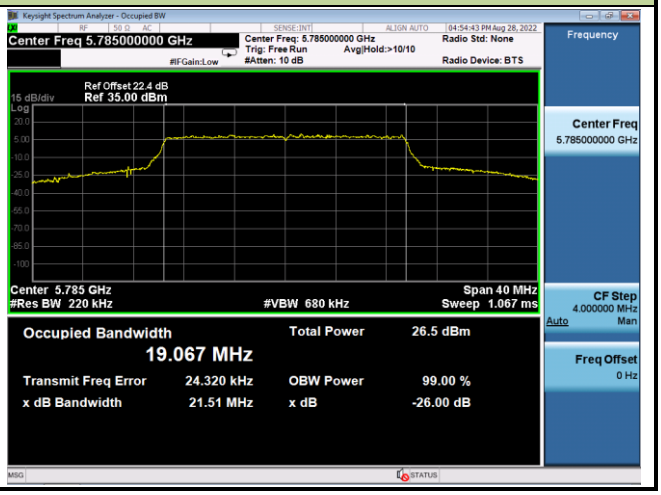
Channel 144 (5720MHz)

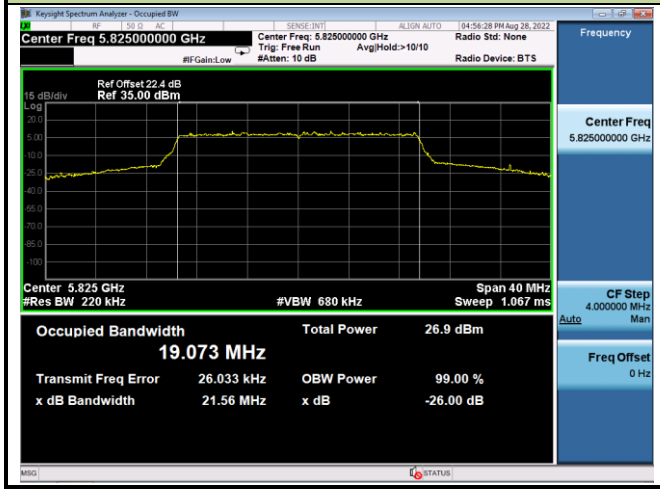


Channel 149 (5745MHz)



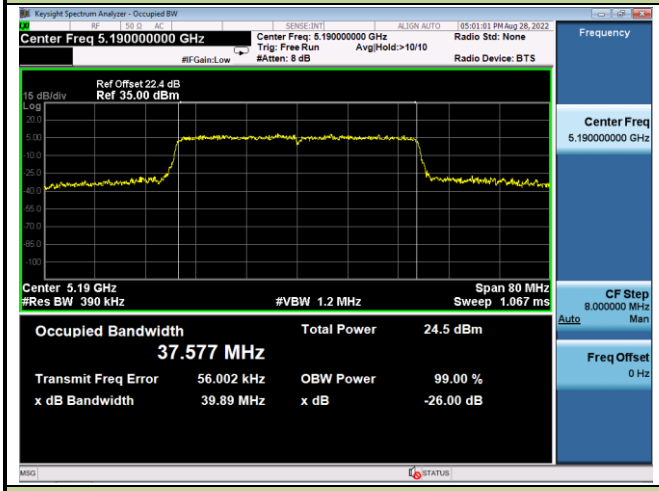
Channel 157 (5785MHz)



802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 165 (5825MHz)	
	

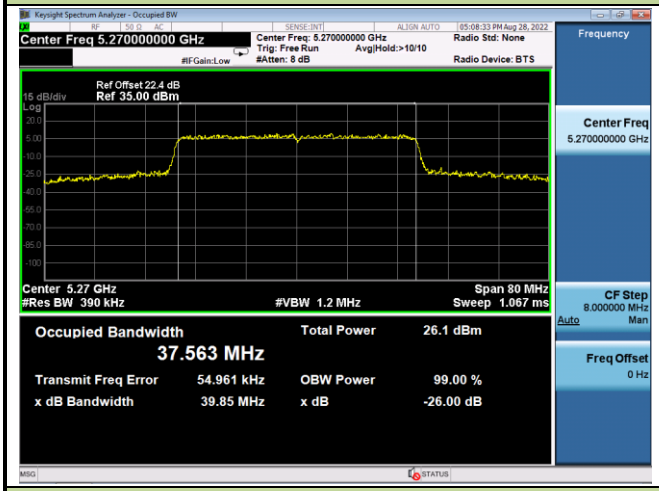
802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

Channel 38 (5190MHz)



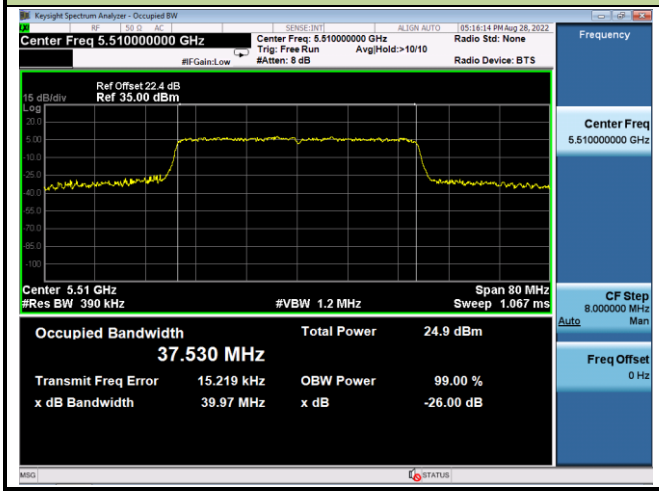
Channel 46 (5230MHz)

Channel 54 (5270MHz)

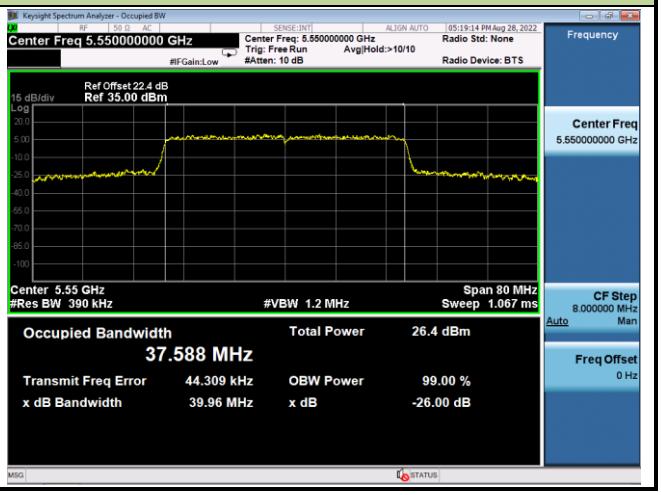


Channel 62 (5310MHz)

Channel 102 (5510MHz)

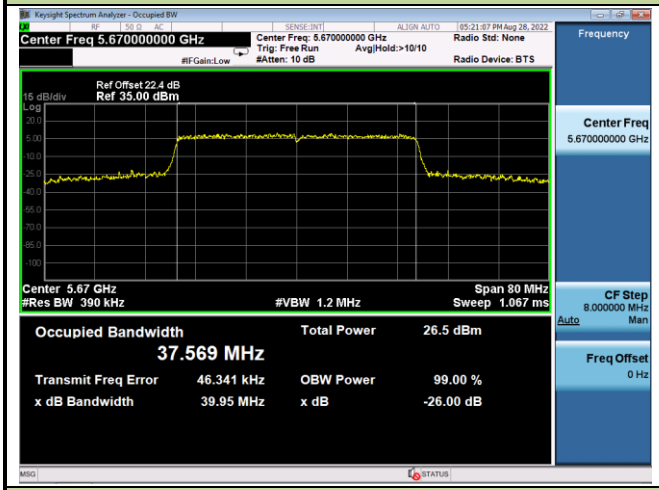


Channel 110 (5550MHz)

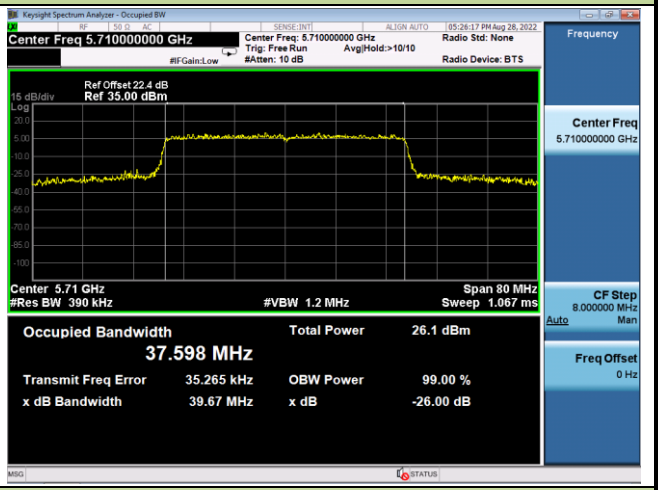


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

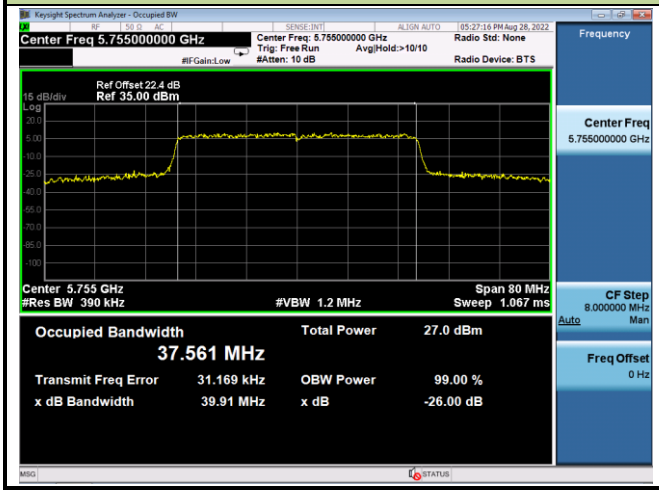
Channel 134 (5670MHz)



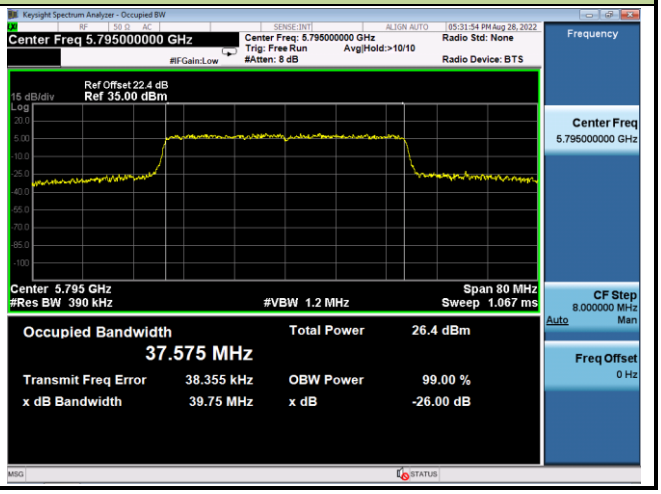
Channel 142 (5710MHz)



Channel 151 (5755MHz)

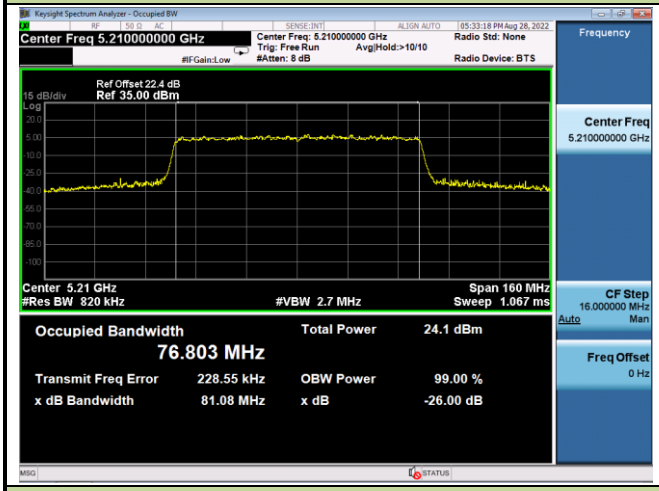


Channel 159 (5795MHz)

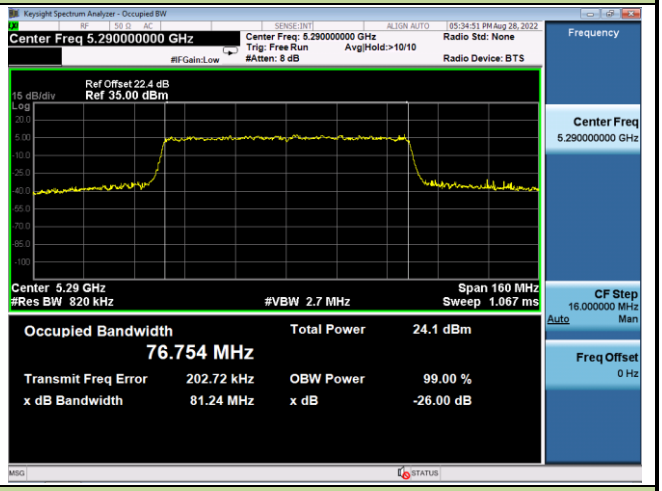


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

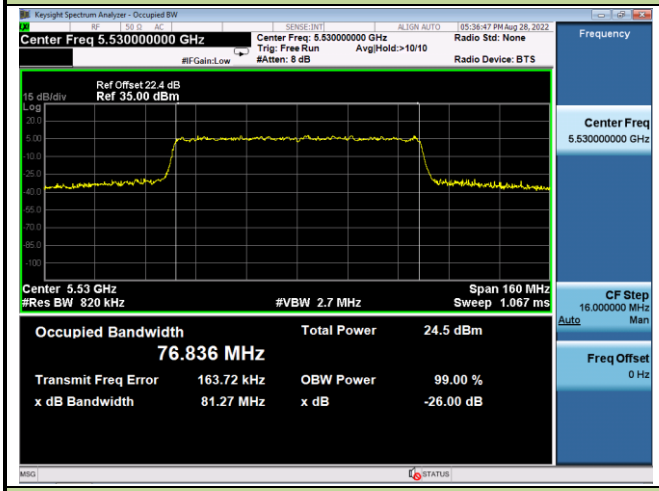
Channel 42 (5210MHz)



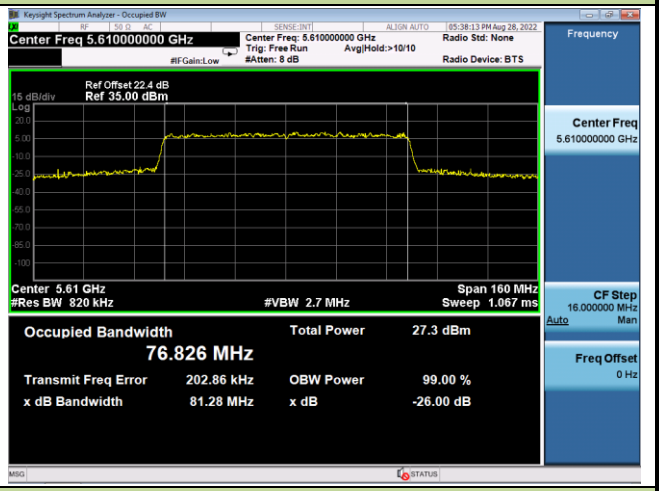
Channel 58 (5290MHz)



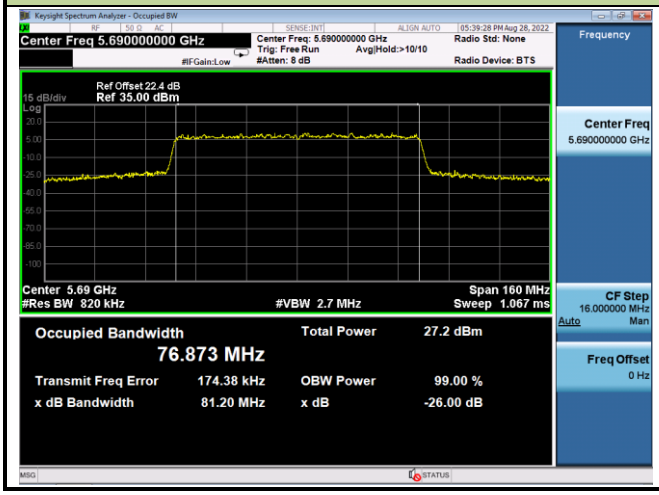
Channel 106 (5530MHz)



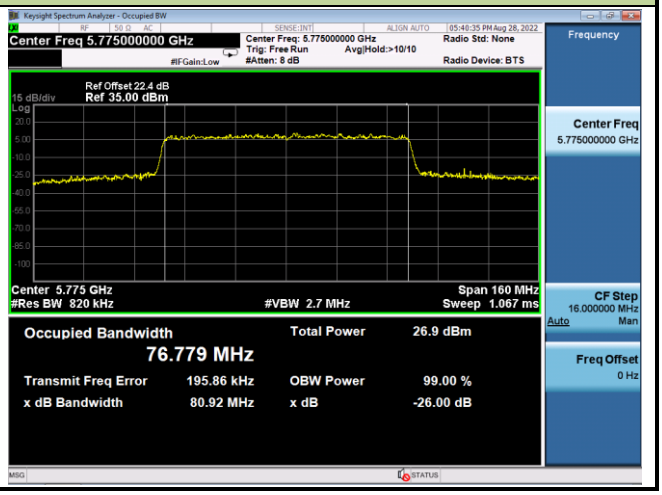
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



7.3. 6dB Bandwidth Measurement

7.3.1.Test Limit

The minimum 6dBbandwidth shall be at least 500 kHz.

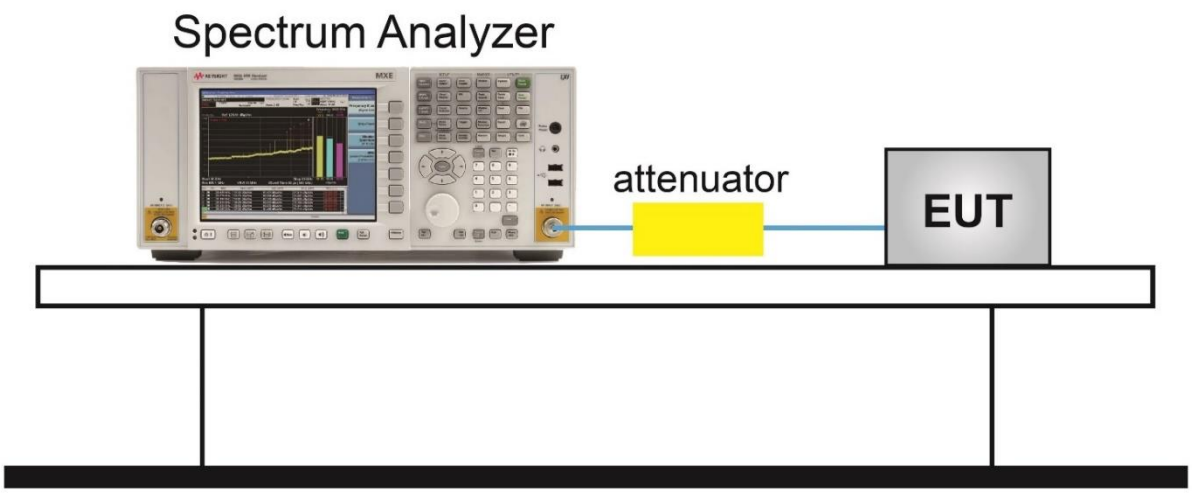
7.3.2.Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3.TestSetting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW ≥ 3 × RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

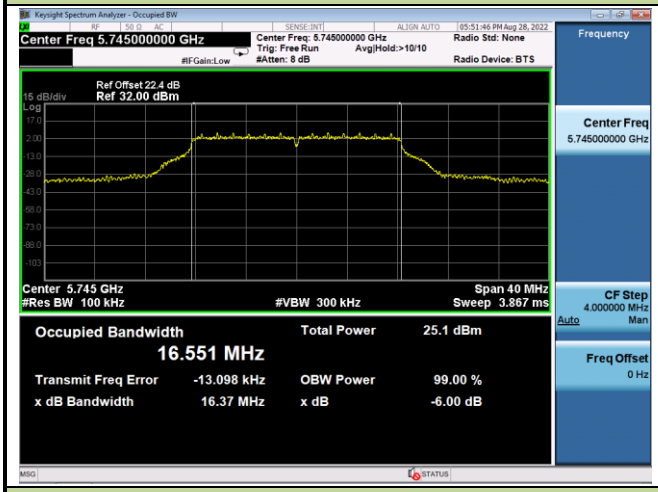
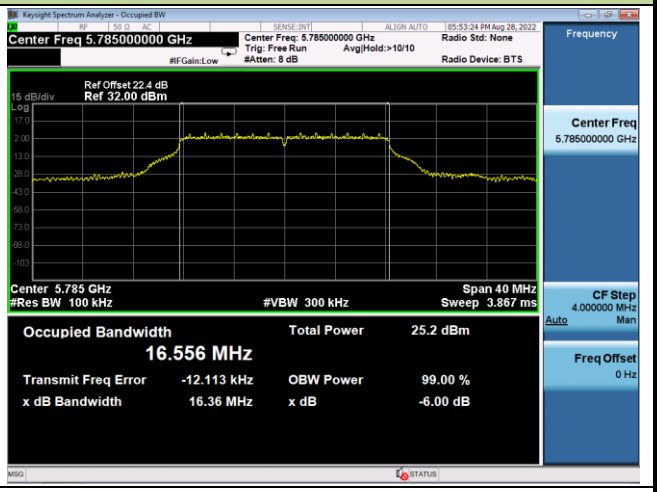
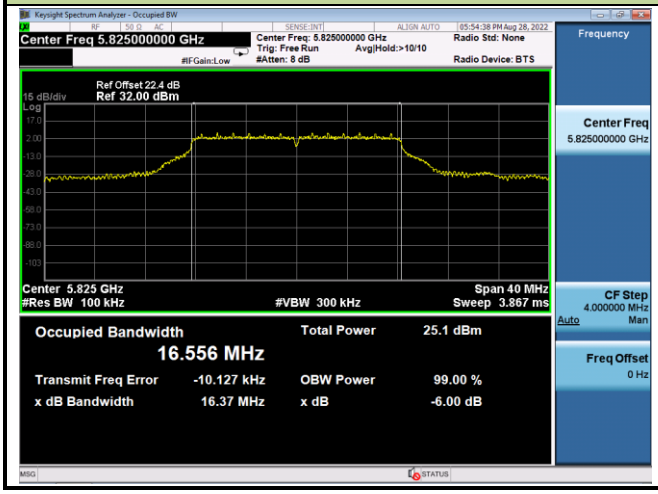
7.3.4.Test Setup



7.3.5.Test Result

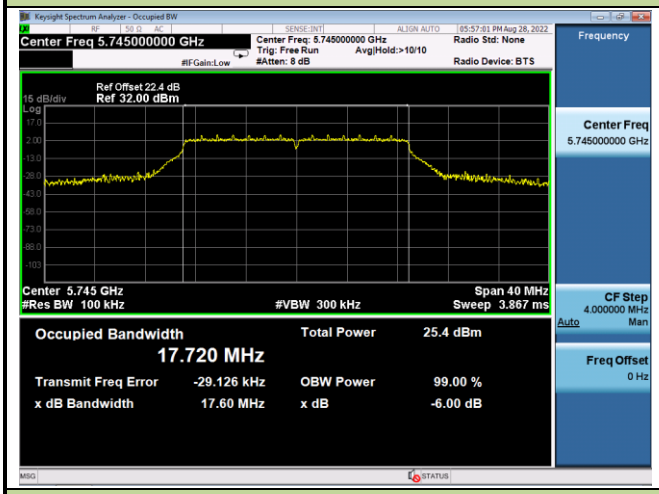
Product	ACCESS POINT	Temperature	23 ~ 25°C
Test Engineer	Eric Lin	Relative Humidity	46 ~ 56%
Test Site	SR2	Test Date	2022-08-28

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	6Mbps	149	5745	16.37	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.36	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.37	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.60	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.61	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.60	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.36	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.35	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	75.96	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.01	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.00	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	18.99	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	37.47	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	37.41	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	77.00	≥ 0.5	Pass

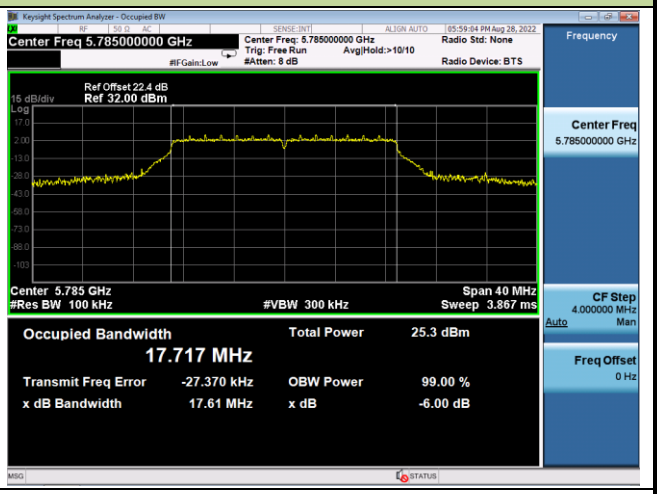
802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 6dB Bandwidth

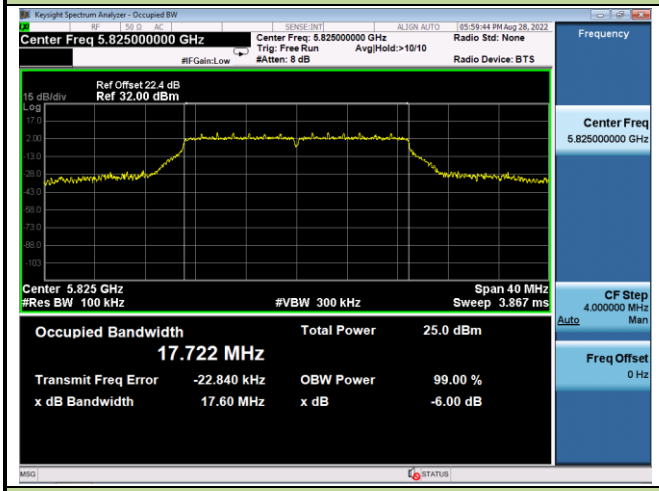
Channel 149 (5745MHz)



Channel 157 (5785MHz)

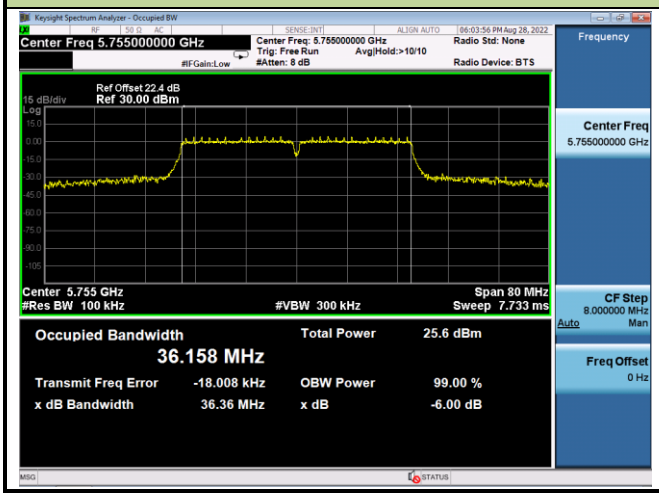


Channel 165 (5825MHz)

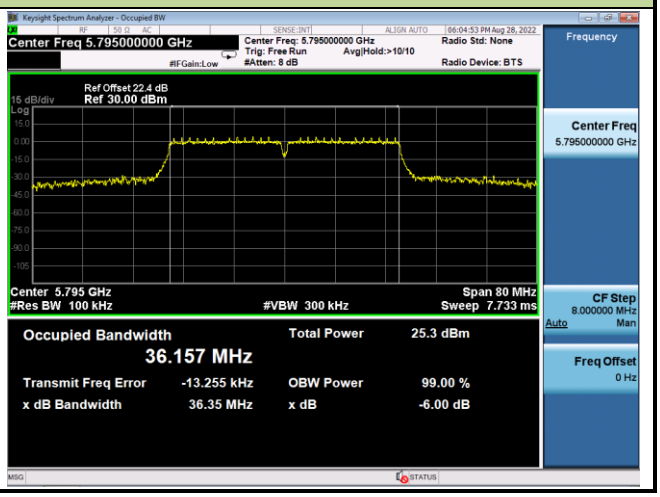


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

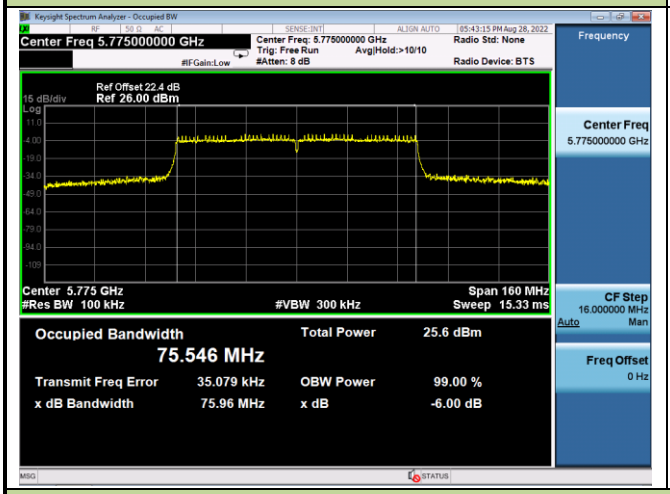


Channel 159 (5795MHz)



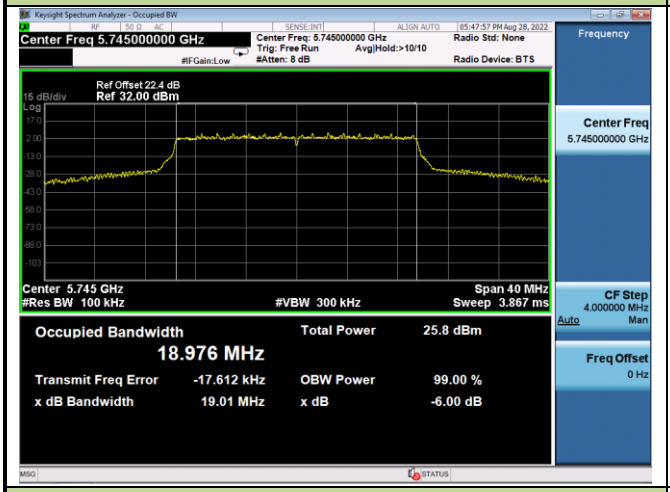
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

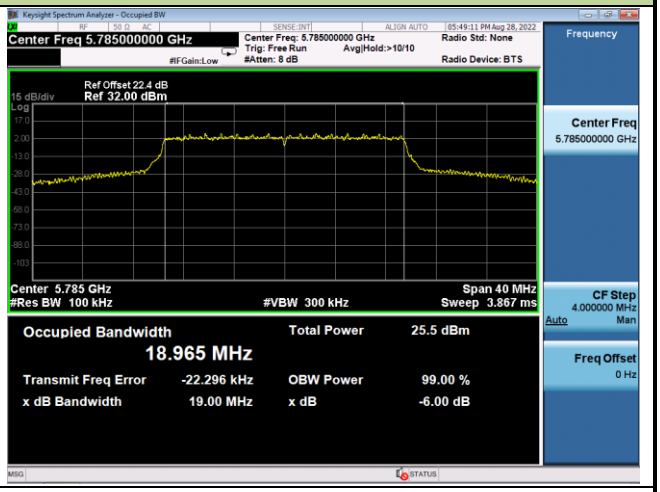


802.11ax-HE20 6dB Bandwidth

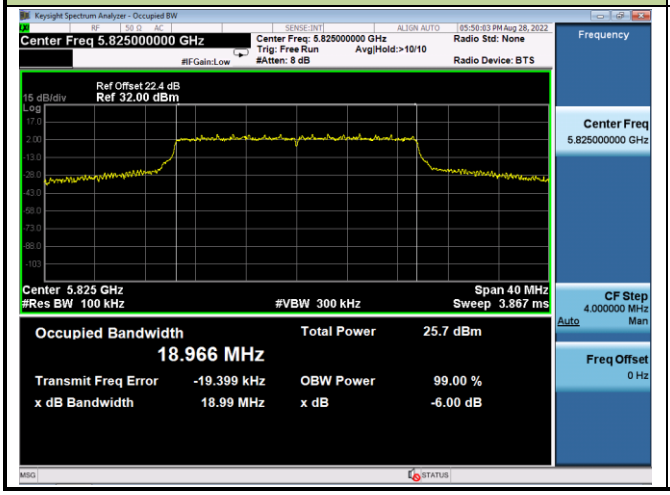
Channel 149 (5745MHz)

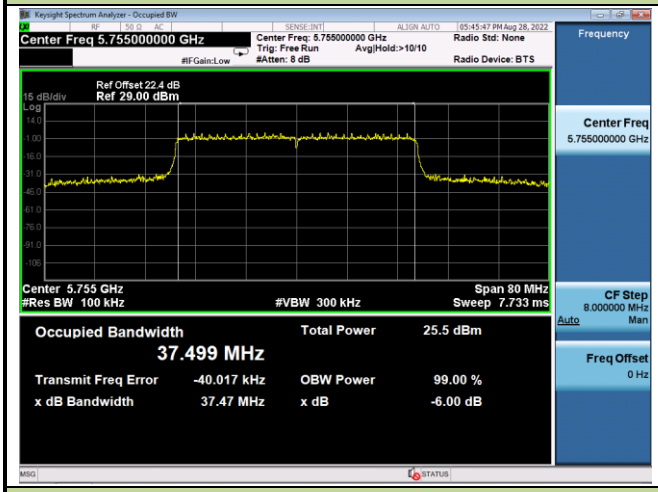
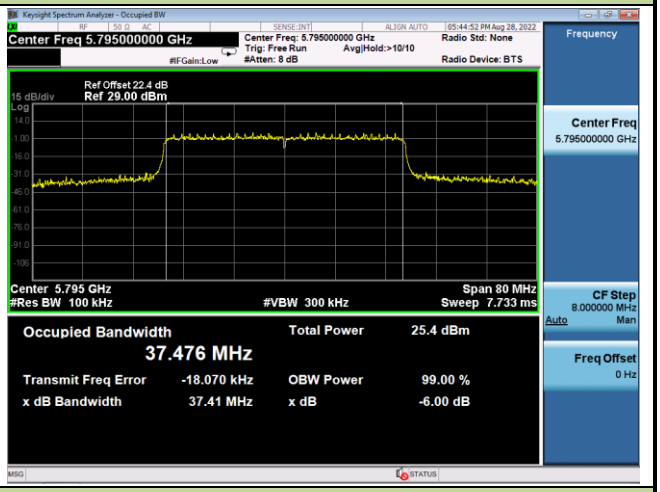


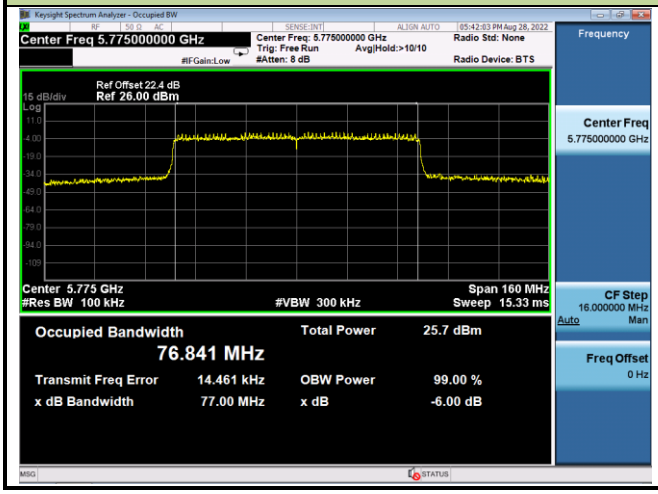
Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11ax-HE40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

7.4. Output Power Measurement

7.4.1.Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

For an indoor access point operating in the band 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (23.98dBm) or 11dBm +10 log (26dB BW).

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

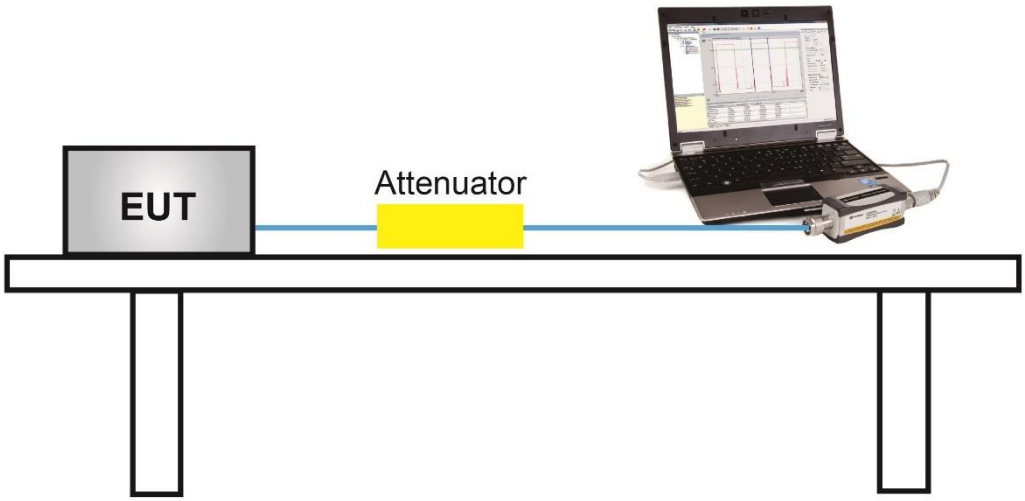
7.4.2.Test Procedure Used

KDB 789033D02v02r01- Section E)3)b) Method PM-G

7.4.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

7.4.4.Test Setup



7.4.5.Test Result

Product	ACCESS POINT	Temperature	23 ~ 25°C
Test Engineer	Eric Lin	Relative Humidity	46 ~ 56%
Test Site	SR2	Test Date	2022-08-17 ~ 2022-08-30

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	18.31	18.01	21.17	≤ 30.00	Pass
11a	6Mbps	44	5220	18.45	17.96	21.22	≤ 30.00	Pass
11a	6Mbps	48	5240	18.33	17.97	21.16	≤ 30.00	Pass
11a	6Mbps	52	5260	18.42	18.02	21.23	≤ 23.98	Pass
11a	6Mbps	60	5300	18.22	17.83	21.04	≤ 23.98	Pass
11a	6Mbps	64	5320	18.48	18.19	21.35	≤ 23.98	Pass
11a	6Mbps	100	5500	18.36	17.80	21.10	≤ 23.98	Pass
11a	6Mbps	116	5580	18.03	17.55	20.81	≤ 23.98	Pass
11a	6Mbps	140	5700	17.92	17.78	20.86	≤ 23.98	Pass
11a	6Mbps	144	5720	18.00	17.93	20.98	≤ 22.96	Pass
11a	6Mbps	149	5745	18.29	18.09	21.20	≤ 30.00	Pass
11a	6Mbps	157	5785	18.40	18.31	21.37	≤ 30.00	Pass
11a	6Mbps	165	5825	18.36	18.28	21.33	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	18.44	18.00	21.24	≤ 30.00	Pass
11ac-VHT20	MCS0	44	5220	18.31	17.93	21.13	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	18.37	17.97	21.18	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.30	17.99	21.16	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.22	17.86	21.05	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.37	17.90	21.15	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.39	17.96	21.19	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	18.41	17.93	21.19	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	17.65	17.72	20.70	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.44	18.37	21.42	≤ 22.99	Pass
11ac-VHT20	MCS0	149	5745	18.46	18.33	21.41	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	18.33	18.29	21.32	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	18.19	18.27	21.24	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	16.47	16.33	19.41	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	18.40	17.90	21.17	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	18.38	17.71	21.07	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	17.00	16.60	19.81	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	15.80	16.08	18.95	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	18.21	17.99	21.11	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	18.39	17.54	21.00	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	18.42	17.76	21.11	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	18.49	17.37	20.98	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	18.27	17.43	20.88	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	15.22	15.05	18.15	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	14.92	14.80	17.87	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	15.17	15.10	18.15	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	18.36	17.74	21.07	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	18.37	17.77	21.09	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	18.27	17.62	20.97	≤ 30.00	Pass
11ax-HE20	MCS0	36	5180	18.31	18.19	21.26	≤ 30.00	Pass
11ax-HE20	MCS0	44	5220	18.39	18.07	21.24	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	18.43	18.03	21.24	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	18.47	18.21	21.35	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	18.36	17.78	21.09	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	18.46	18.08	21.28	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.45	18.00	21.24	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	18.28	18.03	21.17	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	18.16	18.05	21.12	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	18.24	18.20	21.23	≤ 22.98	Pass
11ax-HE20	MCS0	149	5745	18.46	18.27	21.38	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	18.32	18.22	21.28	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	18.38	18.35	21.38	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	17.00	16.86	19.94	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	18.39	18.02	21.22	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	18.37	17.68	21.05	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	16.75	16.36	19.57	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	16.12	16.27	19.21	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	18.46	18.29	21.39	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	18.38	17.68	21.05	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	18.40	17.84	21.14	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	18.32	17.51	20.94	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	18.28	17.49	20.91	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	15.33	15.13	18.24	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	14.98	14.65	17.83	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	15.27	14.92	18.11	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	18.41	17.72	21.09	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	18.34	17.71	21.05	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	18.26	17.59	20.95	≤ 30.00	Pass

Note 1: Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power /10})} + 10^{(\text{Ant 1 Average Power /10})}\}$.

Note 2: For 5250-5350MHz & 5470-5725MHz, the conducted power limit is as below.

802.11a/ac-VHT20/ac-VHT40/ac-VHT80/ax-HE20/ax-HE40/ax-HE80: 11 + 10 log10 (B) > 23.98dBm.

For straddle channel 20MHz Bandwidth 5720MHz, the conducted power limit is as below:

802.11a CH144: 11 + 10 log10 (B) = 22.96dBm, B = 21.43/2 + 5 = 15.715MHz.

802.11ac-VHT20 CH144: 11 + 10 log10 (B) = 22.99dBm, B = 21.65/2 + 5 = 15.825MHz.

802.11ax-HE20 CH144: 11 + 10 log10 (B) = 22.98dBm, B = 21.57/2 + 5 = 15.785MHz.

7.5. Power Spectral Density Measurement

7.5.1.Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the band 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

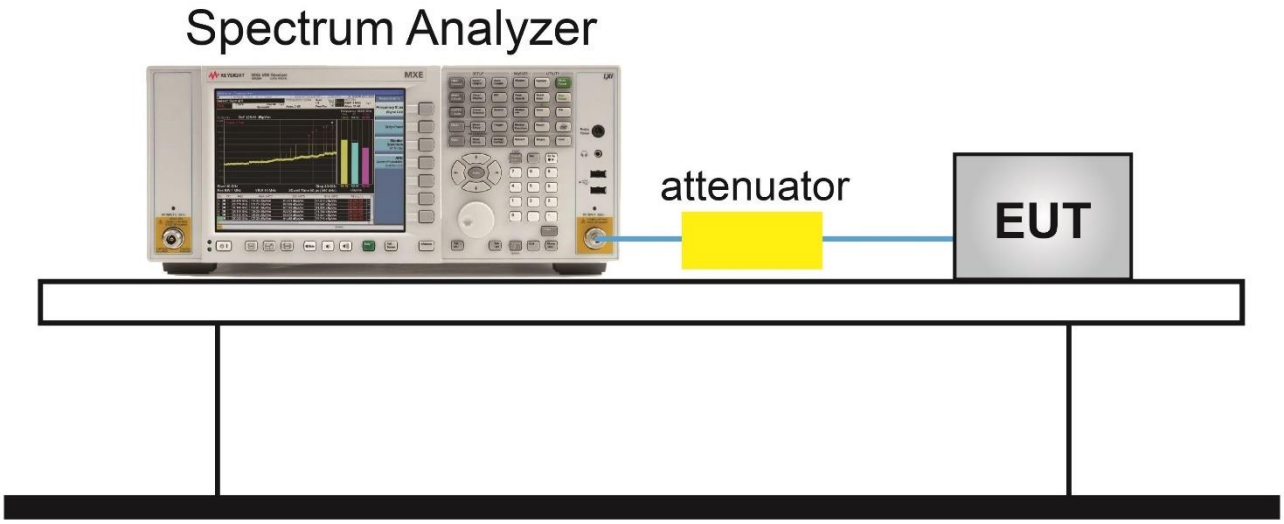
7.5.2.Test Procedure Used

KDB 789033 D02v02r01-Section F

7.5.3.Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 510kHz
4. VBW ≥ 3RBW
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log (1/0.25) = 6 dB if the duty cycle is 25 percent.

7.5.4.Test Setup



7.5.5.Test Result

Product	ACCESS POINT	Temperature	23 ~ 25°C
Test Engineer	Eric Lin	Relative Humidity	40 ~ 56%
Test Site	SR2	Test Date	2022-08-17 ~ 2022-08-30
Test Item	Power Spectral Density (NII-1 & NII-2A & NII-2C)		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	36	5180	6.231	5.948	95.16	9.318	≤16.08	Pass
11a	6Mbps	44	5220	6.331	5.956	95.16	9.373	≤16.08	Pass
11a	6Mbps	48	5240	6.394	6.206	95.16	9.527	≤16.08	Pass
11a	6Mbps	52	5260	6.361	6.051	95.16	9.435	≤10.08	Pass
11a	6Mbps	60	5300	6.616	6.066	95.16	9.575	≤10.08	Pass
11a	6Mbps	64	5320	6.895	6.551	95.16	9.952	≤10.08	Pass
11a	6Mbps	100	5500	6.688	6.373	95.16	9.759	≤10.08	Pass
11a	6Mbps	116	5580	6.579	6.028	95.16	9.538	≤10.08	Pass
11a	6Mbps	140	5700	6.587	6.547	95.16	9.793	≤10.08	Pass
11a	6Mbps	144	5720	6.662	6.480	95.16	9.798	≤10.08	Pass
11ac-VHT20	MCS0	36	5180	6.150	5.896	98.42	9.035	≤16.08	Pass
11ac-VHT20	MCS0	44	5220	6.262	5.861	98.42	9.076	≤16.08	Pass
11ac-VHT20	MCS0	48	5240	6.331	6.043	98.42	9.200	≤16.08	Pass
11ac-VHT20	MCS0	52	5260	6.360	6.116	98.42	9.250	≤10.08	Pass
11ac-VHT20	MCS0	60	5300	6.383	5.920	98.42	9.168	≤10.08	Pass
11ac-VHT20	MCS0	64	5320	6.387	6.051	98.42	9.233	≤10.08	Pass
11ac-VHT20	MCS0	100	5500	6.463	5.972	98.42	9.235	≤10.08	Pass
11ac-VHT20	MCS0	116	5580	6.556	6.025	98.42	9.309	≤10.08	Pass
11ac-VHT20	MCS0	140	5700	6.314	6.149	98.42	9.243	≤10.08	Pass
11ac-VHT20	MCS0	144	5720	6.831	6.694	98.42	9.773	≤10.08	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
				Ant 0	Ant 1				
11ac-VHT40	MCS0	38	5190	1.501	1.411	96.95	4.601	≤16.08	Pass
11ac-VHT40	MCS0	46	5230	3.611	3.076	96.95	6.497	≤16.08	Pass
11ac-VHT40	MCS0	54	5270	3.402	2.830	96.95	6.270	≤10.08	Pass
11ac-VHT40	MCS0	62	5310	2.290	1.505	96.95	5.060	≤10.08	Pass
11ac-VHT40	MCS0	102	5510	1.183	1.340	96.95	4.407	≤10.08	Pass
11ac-VHT40	MCS0	110	5550	3.418	3.241	96.95	6.475	≤10.08	Pass
11ac-VHT40	MCS0	134	5670	3.574	2.687	96.95	6.298	≤10.08	Pass
11ac-VHT40	MCS0	142	5710	3.777	3.165	96.95	6.627	≤10.08	Pass
11ac-VHT80	MCS0	42	5210	-2.643	-2.666	93.88	0.630	≤16.08	Pass
11ac-VHT80	MCS0	58	5290	-2.424	-2.636	93.88	0.756	≤10.08	Pass
11ac-VHT80	MCS0	106	5530	-2.364	-2.411	93.88	0.897	≤10.08	Pass
11ac-VHT80	MCS0	122	5610	0.657	0.093	93.88	3.669	≤10.08	Pass
11ac-VHT80	MCS0	138	5690	0.587	-0.034	93.88	3.572	≤10.08	Pass
11ax-HE20	MCS0	36	5180	5.872	5.759	97.96	8.916	≤16.08	Pass
11ax-HE20	MCS0	44	5220	6.038	5.679	97.96	8.962	≤16.08	Pass
11ax-HE20	MCS0	48	5240	6.060	5.686	97.96	8.977	≤16.08	Pass
11ax-HE20	MCS0	52	5260	6.085	5.768	97.96	9.029	≤10.08	Pass
11ax-HE20	MCS0	60	5300	6.189	5.749	97.96	9.074	≤10.08	Pass
11ax-HE20	MCS0	64	5320	6.297	5.899	97.96	9.202	≤10.08	Pass
11ax-HE20	MCS0	100	5500	6.315	5.813	97.96	9.171	≤10.08	Pass
11ax-HE20	MCS0	116	5580	6.121	5.885	97.96	9.104	≤10.08	Pass
11ax-HE20	MCS0	140	5700	6.287	6.081	97.96	9.285	≤10.08	Pass
11ax-HE20	MCS0	144	5720	6.503	6.386	97.96	9.545	≤10.08	Pass
11ax-HE40	MCS0	38	5190	1.861	1.617	96.04	4.926	≤16.08	Pass
11ax-HE40	MCS0	46	5230	3.211	2.838	96.04	6.214	≤16.08	Pass
11ax-HE40	MCS0	54	5270	3.071	2.609	96.04	6.032	≤10.08	Pass
11ax-HE40	MCS0	62	5310	1.593	1.070	96.04	4.525	≤10.08	Pass
11ax-HE40	MCS0	102	5510	1.192	1.399	96.04	4.483	≤10.08	Pass
11ax-HE40	MCS0	110	5550	3.535	3.449	96.04	6.678	≤10.08	Pass
11ax-HE40	MCS0	134	5670	3.004	2.645	96.04	6.014	≤10.08	Pass
11ax-HE40	MCS0	142	5710	3.469	2.953	96.04	6.404	≤10.08	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
				Ant 0	Ant 1				
11ax-HE80	MCS0	42	5210	-2.405	-2.624	92.60	0.831	≤16.08	Pass
11ax-HE80	MCS0	58	5290	-2.693	-2.875	92.60	0.561	≤10.08	Pass
11ax-HE80	MCS0	106	5530	-2.439	-2.682	92.60	0.785	≤10.08	Pass
11ax-HE80	MCS0	122	5610	0.685	0.235	92.60	3.810	≤10.08	Pass
11ax-HE80	MCS0	138	5690	0.693	0.259	92.60	3.826	≤10.08	Pass

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/MHz) + 10*log (1/Duty Cycle).

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/MHz).

Note 2:

For NII-1, PSD Limit (dBm/MHz) = 17 – (6.92 - 6) = 16.08 (dBm/MHz)

For NII-2a and NII-2c, PSD Limit (dBm/MHz) = 11 – (6.92 - 6) = 10.08 (dBm/MHz)

Product	ACCESS POINT	Temperature	24~27°C
Test Engineer	Eric Lin	Relative Humidity	58~60%
Test Site	SR2	Test Date	2022-08-17 ~ 2022-08-30
Frequency Band	U-NII-3		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	PSD (dBm/510kHz)		Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	149	5745	3.954	3.534	95.16	6.975	≤ 29.08	Pass
11a	6Mbps	157	5785	4.068	4.035	95.16	7.277	≤ 29.08	Pass
11a	6Mbps	165	5825	3.975	3.968	95.16	7.197	≤ 29.08	Pass
11ac-VHT20	MCS0	149	5745	3.973	3.700	98.42	6.849	≤ 29.08	Pass
11ac-VHT20	MCS0	157	5785	3.811	3.806	98.42	6.819	≤ 29.08	Pass
11ac-VHT20	MCS0	165	5825	3.731	3.803	98.42	6.777	≤ 29.08	Pass
11ac-VHT40	MCS0	151	5755	0.838	-0.152	96.95	3.516	≤ 29.08	Pass
11ac-VHT40	MCS0	159	5795	0.775	-0.054	96.95	3.525	≤ 29.08	Pass
11ac-VHT80	MCS0	155	5775	-2.039	-2.674	93.88	0.940	≤ 29.08	Pass
11ax-HE20	MCS0	149	5745	3.654	3.290	97.96	6.576	≤ 29.08	Pass
11ax-HE20	MCS0	157	5785	3.524	3.390	97.96	6.557	≤ 29.08	Pass
11ax-HE20	MCS0	165	5825	3.713	3.705	97.96	6.809	≤ 29.08	Pass
11ax-HE40	MCS0	151	5755	0.684	-0.445	96.04	3.342	≤ 29.08	Pass
11ax-HE40	MCS0	159	5795	0.291	-0.354	96.04	3.166	≤ 29.08	Pass
11ax-HE80	MCS0	155	5775	-1.893	-2.697	92.60	1.068	≤ 29.08	Pass

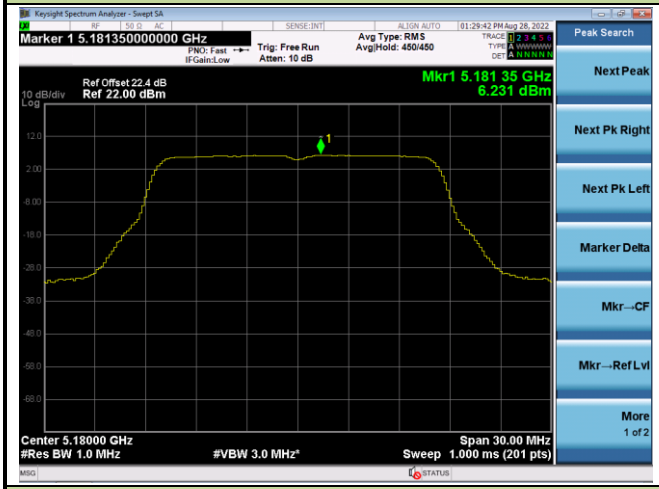
Note 1: When EUT duty cycle < 98%, Total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/510kHz) + 10*log (1/Duty Cycle).

When EUT duty cycle ≥ 98%, Total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/510kHz).

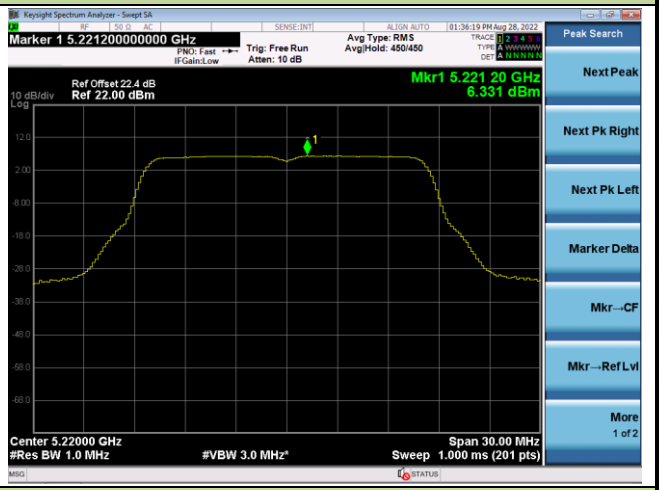
Note 2: PSD Limit (dBm/510kHz) = 30 – (6.92 - 6) = 29.08 (dBm/510kHz)

802.11a Power Spectral Density – Ant 0

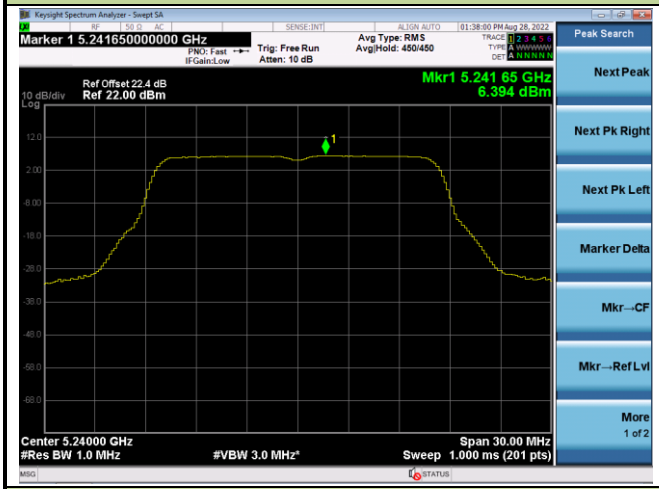
Channel 36 (5180MHz)



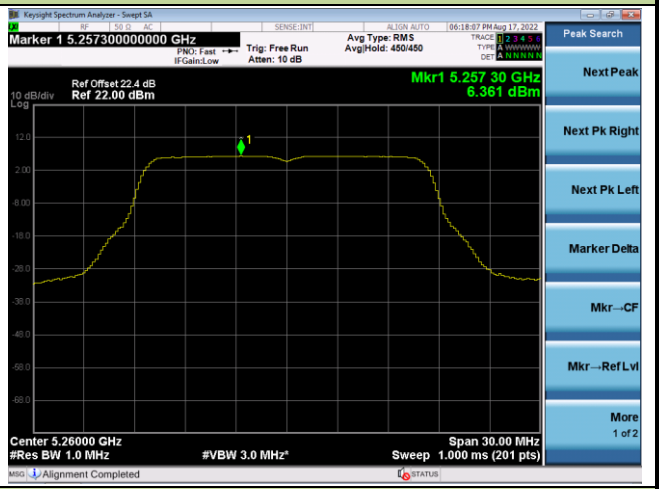
Channel 44 (5220MHz)



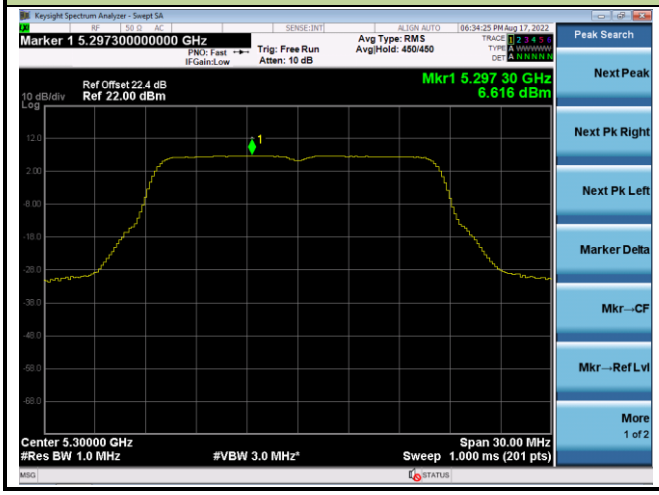
Channel 48 (5240MHz)



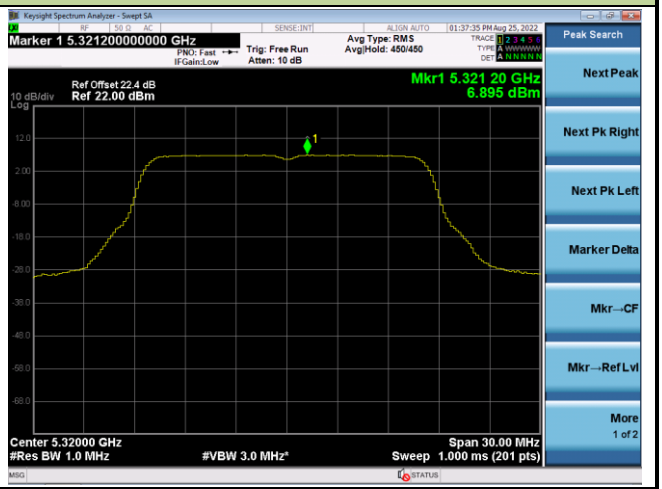
Channel 52 (5260MHz)



Channel 60 (5300MHz)

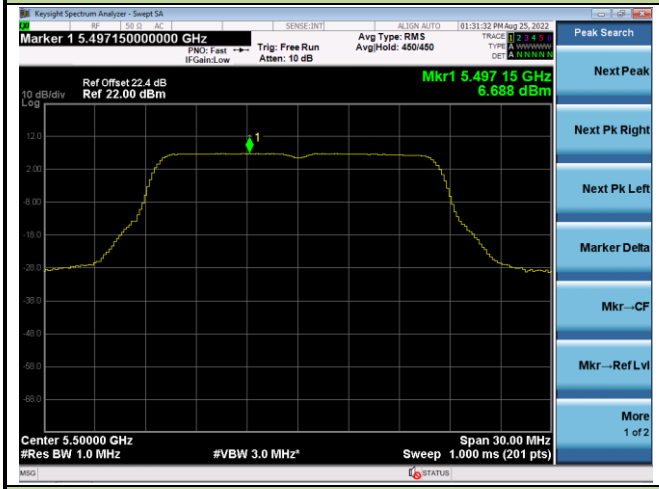


Channel 64 (5320MHz)

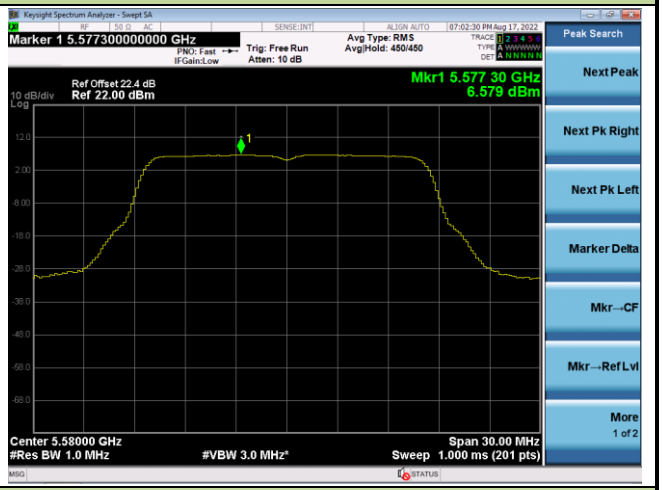


802.11a Power Spectral Density – Ant 0

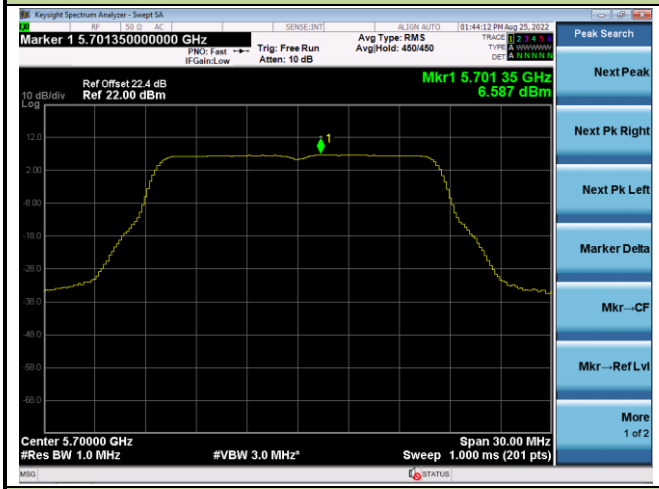
Channel 100 (5500MHz)



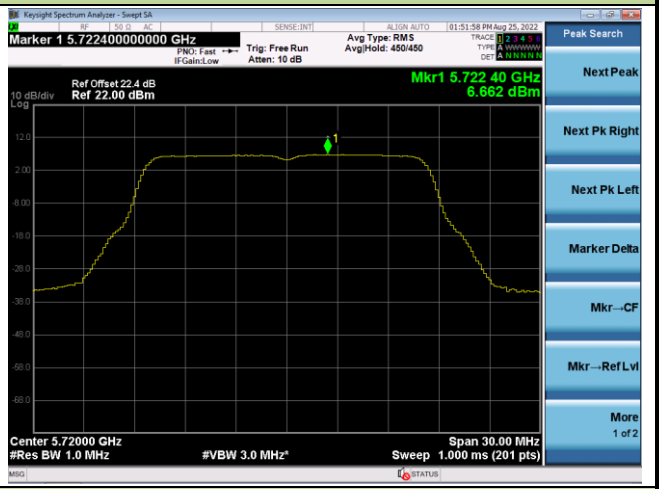
Channel 116 (5580MHz)



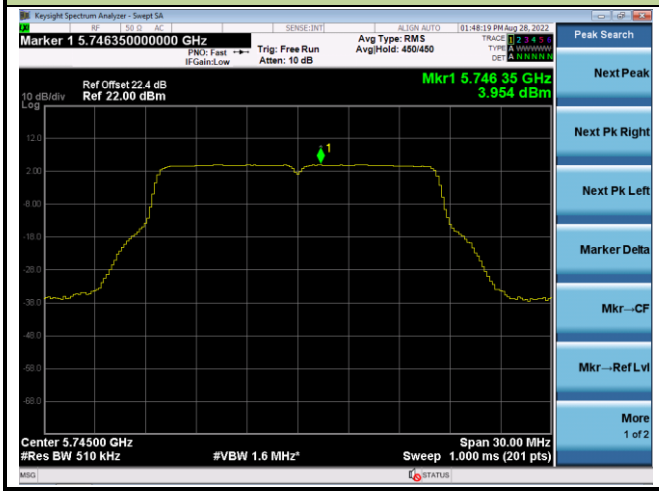
Channel 140 (5700MHz)



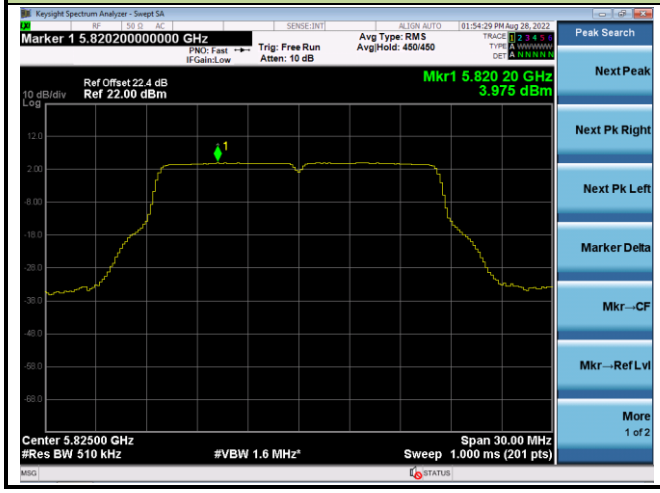
Channel 144 (5720MHz)



Channel 149 (5745MHz)



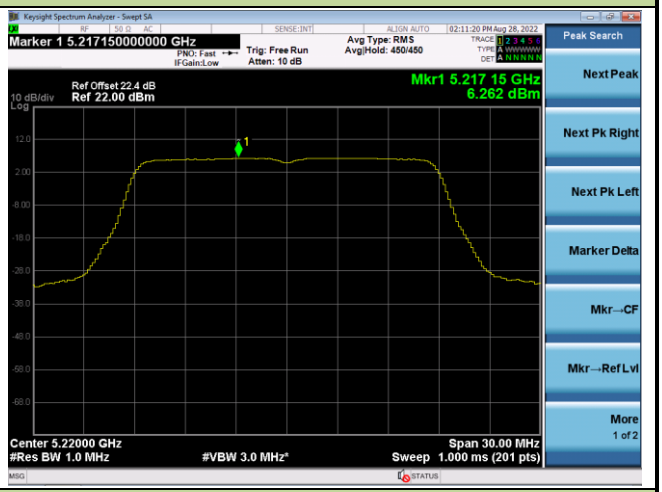
Channel 157 (5785MHz)

802.11a Power Spectral Density – Ant 0	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 Power Spectral Density – Ant 0

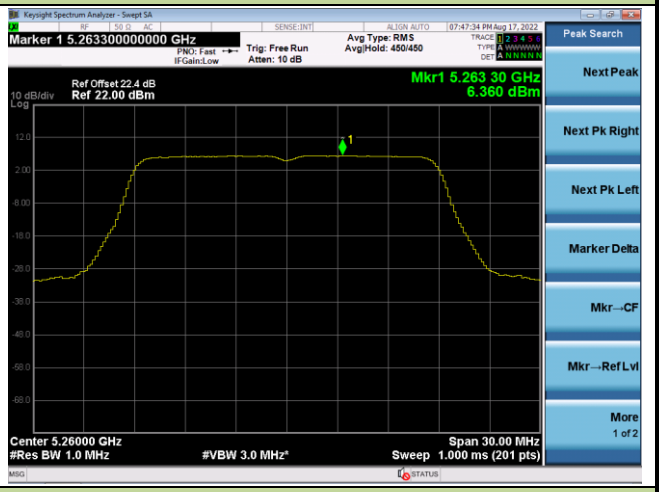
Channel 36 (5180MHz)

Channel 44 (5220MHz)

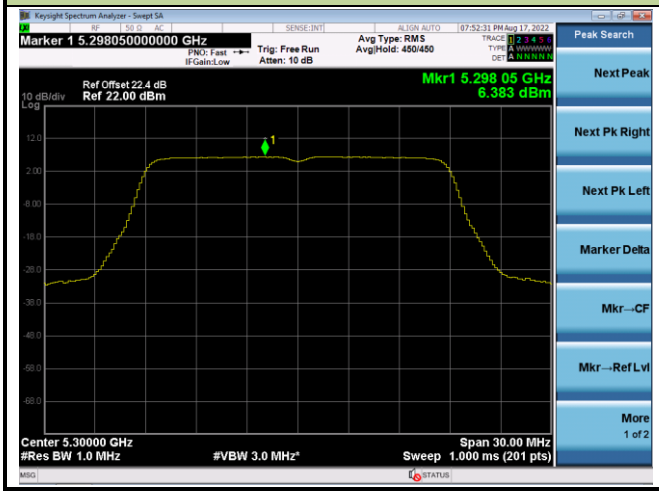
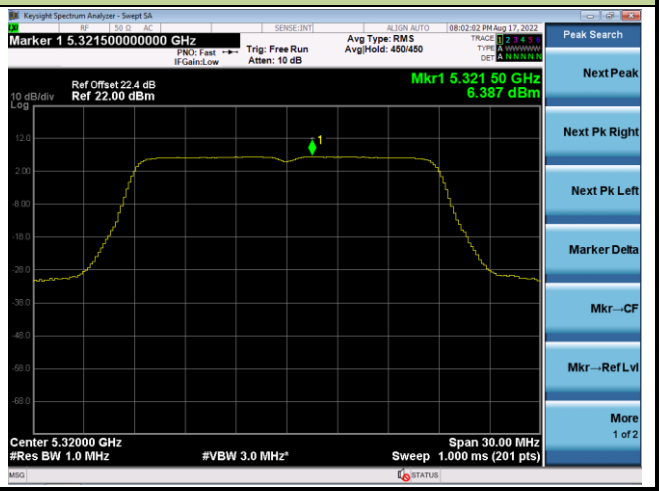


Channel 48 (5240MHz)

Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)