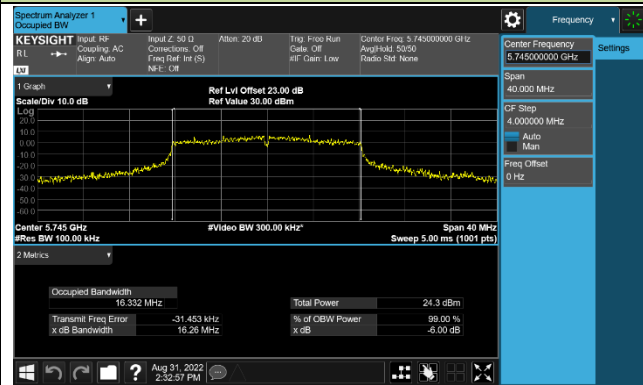
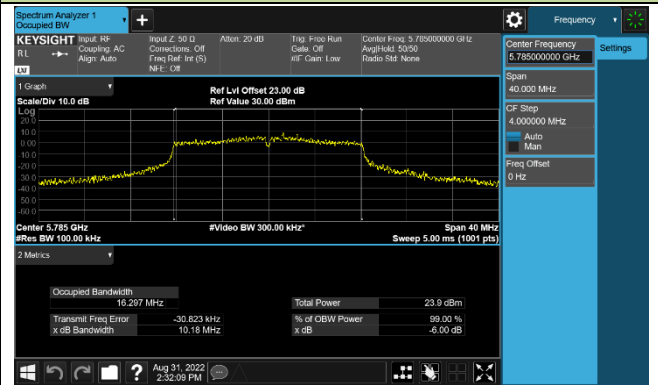


802.11a 6dB Bandwidth

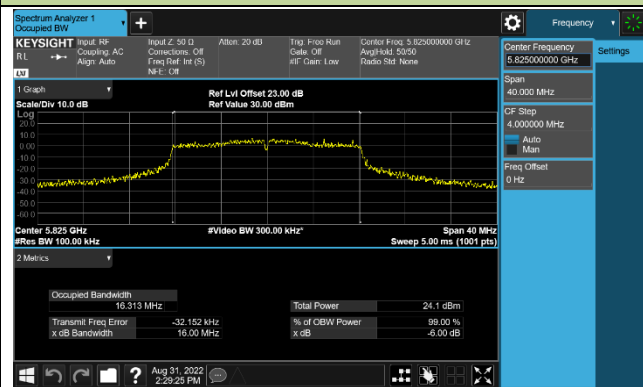
Channel 149 (5745MHz)



Channel 157 (5785MHz)

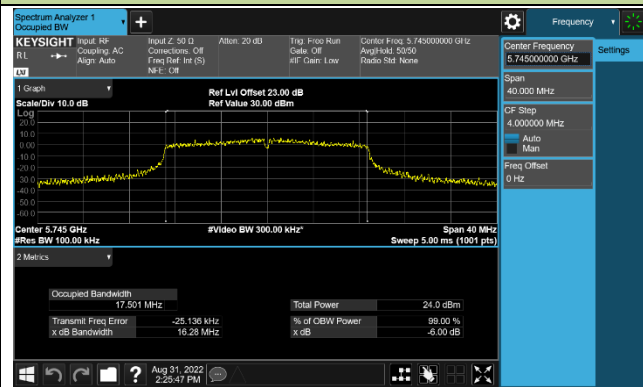


Channel 165 (5825MHz)

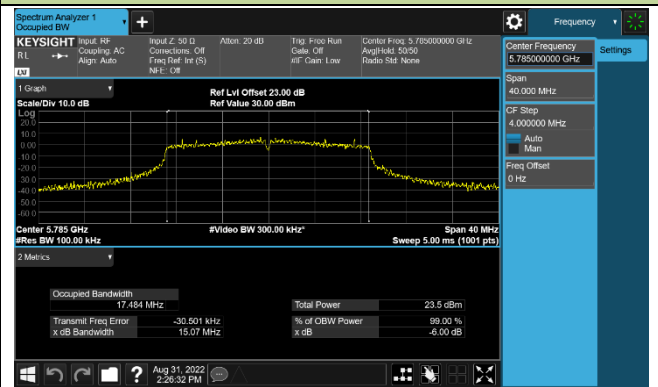


802.11ac-VHT20 6dB Bandwidth

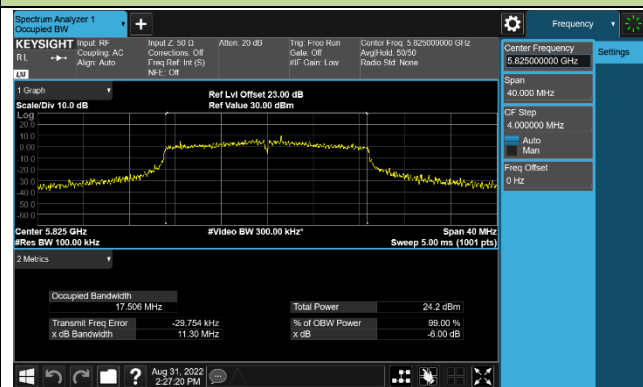
Channel 149 (5745MHz)



Channel 157 (5785MHz)

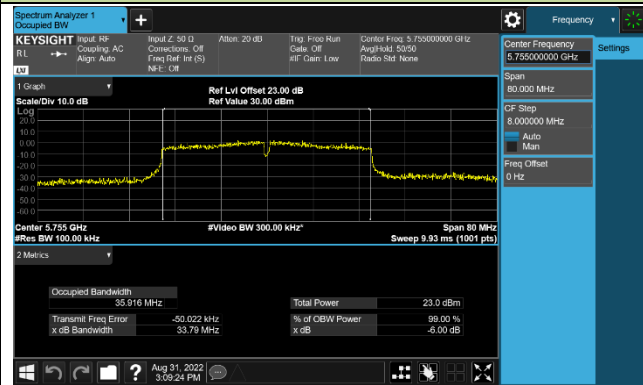


Channel 165 (5825MHz)

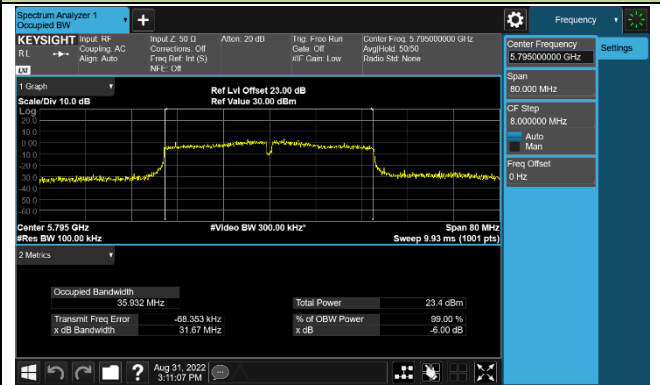


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

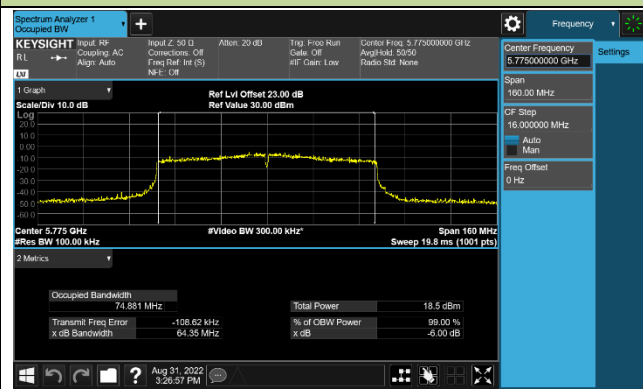


Channel 159 (5795MHz)



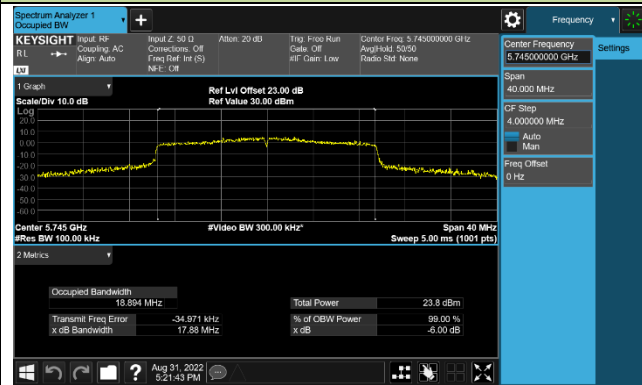
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

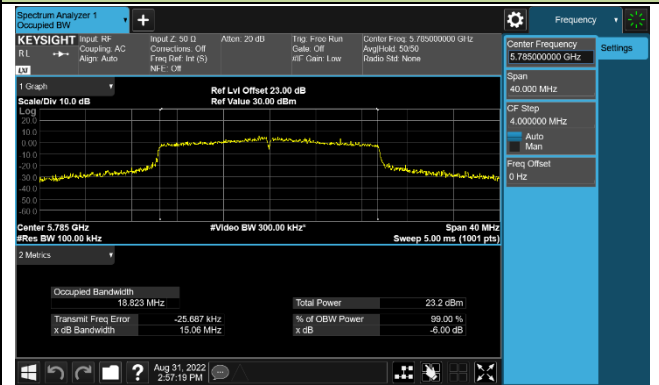


802.11ax-HE20 6dB Bandwidth

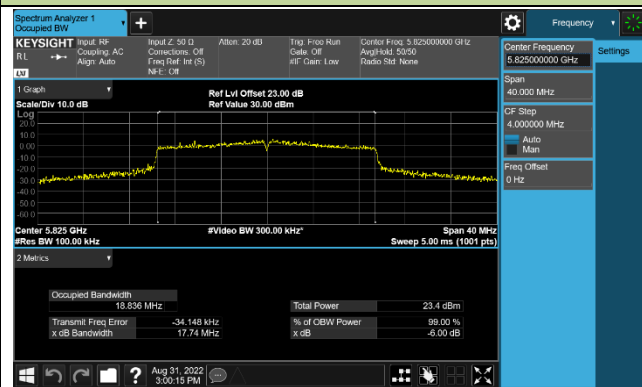
Channel 149 (5745MHz)



Channel 157 (5785MHz)

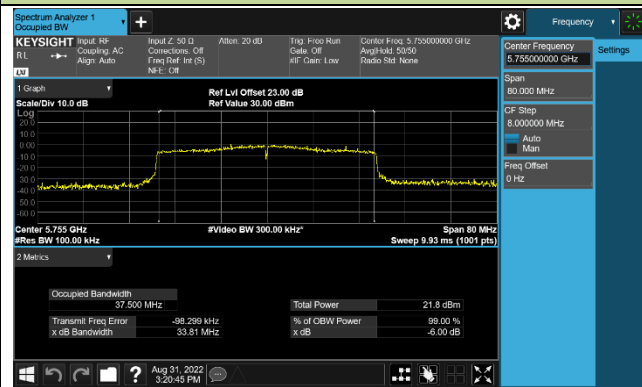


Channel 165 (5825MHz)

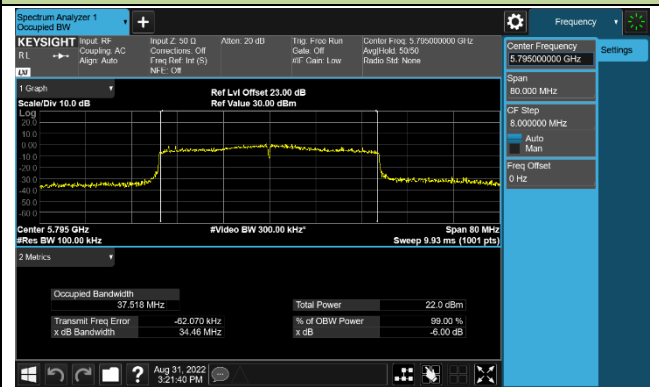


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

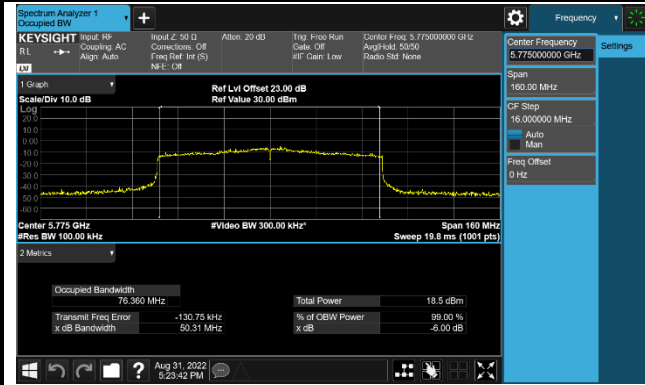


Channel 159 (5795MHz)



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 the 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 or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

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.

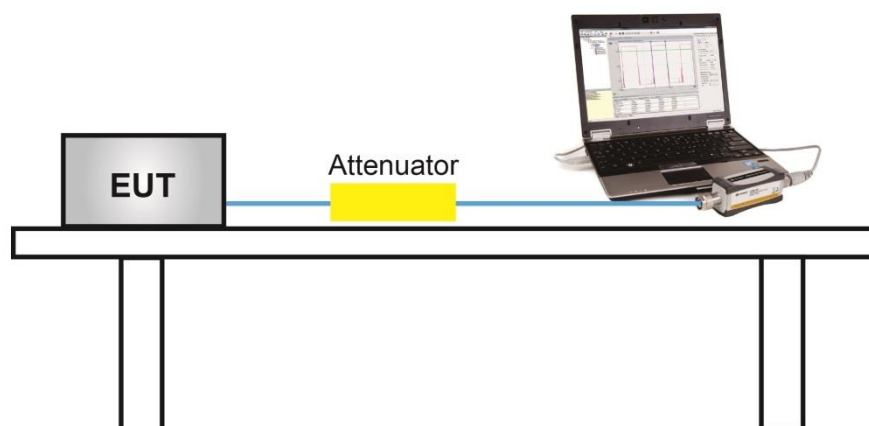
7.4.2. Test Procedure Used

KDB 789033D02v02r01- Section II) 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	AX3000 Wall Plate Wi-Fi 6 Access Point	Test Engineer	Jay
Test Site	SR5	Test Date	2022/8/31
Test Mode	CDD Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11a	6Mbps	36	5180	17.97	17.36	20.69	≤ 30.00	Pass
11a	6Mbps	44	5220	19.72	20.41	23.09	≤ 30.00	Pass
11a	6Mbps	48	5240	19.80	20.15	22.99	≤ 30.00	Pass
11a	6Mbps	52	5260	17.44	17.79	20.63	≤ 23.98	Pass
11a	6Mbps	60	5300	17.34	17.40	20.38	≤ 23.98	Pass
11a	6Mbps	64	5320	16.73	16.69	19.72	≤ 23.98	Pass
11a	6Mbps	100	5500	17.69	17.63	20.67	≤ 23.98	Pass
11a	6Mbps	116	5580	17.72	17.27	20.51	≤ 23.98	Pass
11a	6Mbps	140	5700	17.67	17.49	20.59	≤ 23.98	Pass
11a	6Mbps	149	5745	21.25	20.64	23.97	≤ 30.00	Pass
11a	6Mbps	157	5785	20.71	19.82	23.30	≤ 30.00	Pass
11a	6Mbps	165	5825	21.03	19.90	23.51	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	17.97	18.96	21.50	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	19.69	20.38	23.06	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	19.61	19.96	22.80	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	17.20	17.64	20.44	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	17.78	17.59	20.70	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	17.54	17.65	20.61	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.10	17.91	21.02	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	17.71	17.72	20.73	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.10	17.95	21.04	≤ 23.98	Pass
11ac-VHT20	MCS0	149	5745	20.56	20.97	23.78	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	20.43	19.48	22.99	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	21.26	20.15	23.75	≤ 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)	Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	13.00	12.66	15.84	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	19.26	19.78	22.54	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	19.52	19.83	22.69	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	14.33	13.68	17.03	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	15.84	15.26	18.57	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	19.73	19.58	22.67	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	18.42	18.38	21.41	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	20.03	19.16	22.63	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	19.97	19.06	22.55	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	13.00	13.41	16.22	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	13.99	13.88	16.95	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	15.29	14.78	18.05	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	19.43	19.02	22.24	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	16.03	15.07	18.59	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	8.73	8.51	11.63	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	9.73	9.10	12.44	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	16.98	17.55	20.28	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	19.45	20.15	22.82	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	19.88	20.25	23.08	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	18.20	18.42	21.32	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	17.98	18.05	21.03	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	17.92	17.97	20.96	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.37	18.07	21.23	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	19.39	18.64	22.04	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	16.62	16.48	19.56	≤ 23.98	Pass
11ax-HE20	MCS0	149	5745	19.34	19.94	22.66	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	20.55	19.68	23.15	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	21.10	19.90	23.55	≤ 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)	Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	12.78	12.48	15.64	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	19.08	19.62	22.37	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	19.24	19.57	22.42	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	14.81	14.06	17.46	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	14.76	14.40	17.59	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	19.77	19.58	22.69	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.65	17.55	20.61	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	18.93	18.26	21.62	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	19.71	18.61	22.21	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	12.98	13.38	16.19	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	14.32	14.12	17.23	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	15.30	15.12	18.22	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	19.33	19.20	22.28	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	16.52	15.68	19.13	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	8.81	8.75	11.79	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	9.82	9.31	12.58	≤ 23.98	Pass

Note 1:

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

Note 2:

For 5250- 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.



Product	AX3000 Wall Plate Wi-Fi 6 Access Point	Test Engineer	Jay
Test Site	SR5	Test Date	2022/8/31
Test Mode	Beamforming Mode		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	17.97	18.96	21.50	≤ 29.99	Pass
11ac-VHT20	MCS0	40	5220	19.69	20.38	23.06	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	19.61	19.96	22.80	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	17.20	17.64	20.44	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	17.78	17.59	20.70	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	17.54	17.65	20.61	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	18.10	17.91	21.02	≤ 23.97	Pass
11ac-VHT20	MCS0	116	5580	17.71	17.72	20.73	≤ 23.97	Pass
11ac-VHT20	MCS0	140	5700	18.10	17.95	21.04	≤ 23.97	Pass
11ac-VHT20	MCS0	149	5745	20.56	20.97	23.78	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	20.43	19.48	22.99	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	21.26	20.15	23.75	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	13.00	12.66	15.84	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	19.26	19.78	22.54	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	19.52	19.83	22.69	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	14.33	13.68	17.03	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	15.84	15.26	18.57	≤ 23.97	Pass
11ac-VHT40	MCS0	110	5550	19.73	19.58	22.67	≤ 23.97	Pass
11ac-VHT40	MCS0	134	5670	18.42	18.38	21.41	≤ 23.97	Pass
11ac-VHT40	MCS0	151	5755	20.03	19.16	22.63	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	19.97	19.06	22.55	≤ 29.99	Pass
11ac-VHT80	MCS0	42	5210	13.00	13.41	16.22	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	13.99	13.88	16.95	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	15.29	14.78	18.05	≤ 23.97	Pass
11ac-VHT80	MCS0	122	5610	19.43	19.02	22.24	≤ 23.97	Pass
11ac-VHT80	MCS0	155	5775	16.03	15.07	18.59	≤ 29.99	Pass
11ac-VHT160	MCS0	50	5250	8.73	8.51	11.63	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	9.73	9.10	12.44	≤ 23.97	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ax-HE20	MCS0	36	5180	16.98	17.55	20.28	≤ 29.99	Pass
11ax-HE20	MCS0	40	5220	19.45	20.15	22.82	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	19.88	20.25	23.08	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	18.20	18.42	21.32	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	17.98	18.05	21.03	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	17.92	17.97	20.96	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	18.37	18.07	21.23	≤ 23.97	Pass
11ax-HE20	MCS0	116	5580	19.39	18.64	22.04	≤ 23.97	Pass
11ax-HE20	MCS0	140	5700	16.62	16.48	19.56	≤ 23.97	Pass
11ax-HE20	MCS0	149	5745	19.34	19.94	22.66	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	20.55	19.68	23.15	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	21.10	19.90	23.55	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	12.78	12.48	15.64	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	19.08	19.62	22.37	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	19.24	19.57	22.42	≤ 23.97	Pass
11ax-HE40	MCS0	62	5310	14.81	14.06	17.46	≤ 23.97	Pass
11ax-HE40	MCS0	102	5510	14.76	14.40	17.59	≤ 23.97	Pass
11ax-HE40	MCS0	110	5550	19.77	19.58	22.69	≤ 23.97	Pass
11ax-HE40	MCS0	134	5670	17.65	17.55	20.61	≤ 23.97	Pass
11ax-HE40	MCS0	151	5755	18.93	18.26	21.62	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	19.71	18.61	22.21	≤ 29.99	Pass
11ax-HE80	MCS0	42	5210	12.98	13.38	16.19	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	14.32	14.12	17.23	≤ 23.97	Pass
11ax-HE80	MCS0	106	5530	15.30	15.12	18.22	≤ 23.97	Pass
11ax-HE80	MCS0	122	5610	19.33	19.20	22.28	≤ 23.97	Pass
11ax-HE80	MCS0	155	5775	16.52	15.68	19.13	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	8.81	8.75	11.79	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	9.82	9.31	12.58	≤ 23.97	Pass

Note 1:

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

Note 2:

For 5125 - 5250MHz Band: Average Power Limit (dBm) = 30 - (6.01- 6) = 29.99dBm

For 5250 - 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 - (6.01- 6) = 23.97dBm.

For 5725 - 5850MHz Band: Average Power Limit (dBm) = 30- (6.01- 6) = 29.99dBm.

7.5. Transmit Power Control

7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

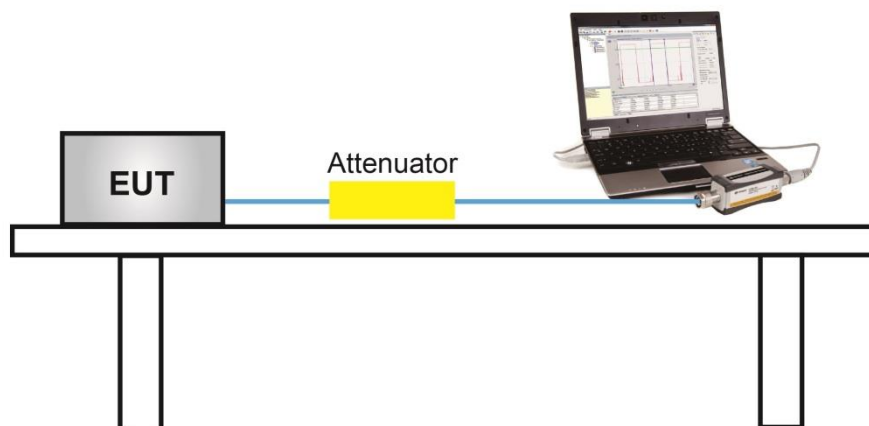
7.5.2. Test Procedure Used

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

7.5.3. 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. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4. Test Setup



7.5.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

7.6. Power Spectral Density Measurement

7.6.1. 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 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.

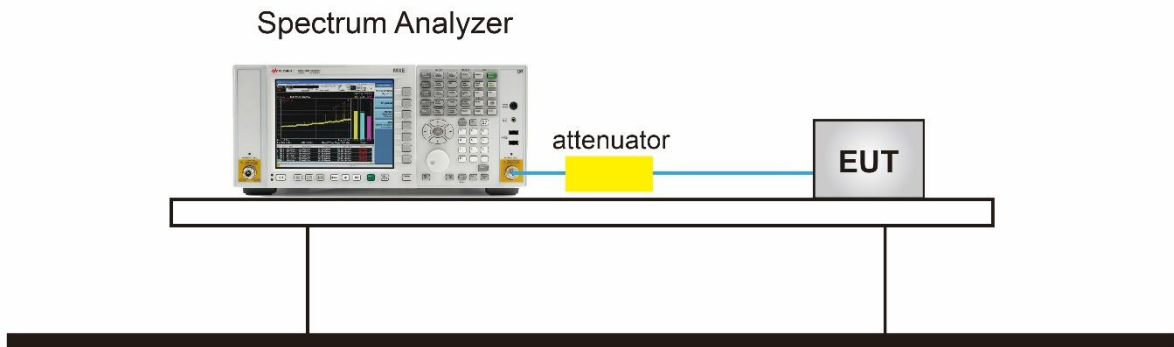
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-SectionF

7.6.3. 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 = 510 kHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
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 $10 \cdot \log(1/x)$, 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 $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

7.6.4. Test Setup



7.6.5. Test Result

Product	AX3000 Wall Plate Wi-Fi 6 Access Point	Test Engineer	Jay
Test Site	SR5	Test Date	2022/8/25~2022/8/31
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode		

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	6.955	7.778	93.53	10.687	≤ 16.99	Pass
11a	6Mbps	44	5220	9.778	10.104	93.53	13.245	≤ 16.99	Pass
11a	6Mbps	48	5240	9.637	10.178	93.53	13.217	≤ 16.99	Pass
11a	6Mbps	52	5260	7.068	7.584	93.53	10.634	≤ 10.99	Pass
11a	6Mbps	60	5300	7.159	7.326	93.53	10.544	≤ 10.99	Pass
11a	6Mbps	64	5320	6.966	7.338	93.53	10.457	≤ 10.99	Pass
11a	6Mbps	100	5500	7.337	7.787	93.53	10.869	≤ 10.99	Pass
11a	6Mbps	116	5580	7.509	7.251	93.53	10.683	≤ 10.99	Pass
11a	6Mbps	140	5700	6.702	7.143	93.53	10.229	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	7.444	8.567	92.37	11.397	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5220	8.887	9.644	92.37	12.637	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	8.912	9.146	92.37	12.386	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.199	7.096	92.37	10.503	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	6.959	7.379	92.37	10.529	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.350	7.576	92.37	10.819	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.093	7.382	92.37	10.595	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	7.582	6.963	92.37	10.639	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	6.669	7.178	92.37	10.286	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	-0.113	-0.147	91.10	3.285	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	5.807	6.621	91.10	9.648	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	6.112	6.100	91.10	9.521	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	1.575	1.748	91.10	5.077	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	2.301	2.457	91.10	5.795	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	5.823	4.916	91.10	8.808	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	5.391	5.928	91.10	9.083	≤ 10.99	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-VHT80	MCS0				
11ac-VHT80	MCS0	58	5290	-2.505	-2.221	89.95	1.110	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	-1.546	-1.204	89.95	2.099	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	3.299	2.798	89.95	6.526	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-10.303	-10.371	91.44	-6.951	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-8.780	-8.962	91.44	-5.484	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	6.076	6.658	91.90	9.754	≤ 16.99	Pass
11ax-HE20	MCS0	44	5220	9.148	9.379	91.90	12.642	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	9.122	9.266	91.90	12.572	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.374	7.541	91.90	10.835	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	7.156	7.089	91.90	10.500	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.159	7.528	91.90	10.725	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.310	7.244	91.90	10.654	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	7.785	7.154	91.90	10.858	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	5.552	6.175	91.90	9.252	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	-0.374	-0.150	90.92	3.163	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	5.979	6.089	90.92	9.458	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	5.937	6.243	90.92	9.516	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	2.296	2.073	90.92	5.610	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	1.262	1.667	90.92	4.893	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	6.273	5.778	90.92	9.456	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	4.252	4.676	90.92	7.893	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	-2.792	-3.304	91.29	0.430	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	-2.008	-2.114	91.29	1.410	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	-0.334	-1.158	91.29	2.744	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	3.561	2.880	91.29	6.704	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-10.838	-10.361	91.72	-7.207	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-8.468	-8.746	91.72	-5.219	≤ 10.99	Pass

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

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.01 - 6) = 16.99dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

Product	AX3000 Wall Plate Wi-Fi 6 Access Point	Test Engineer	Jay
Test Site	SR5	Test Date	2022/8/25~2022/8/31
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

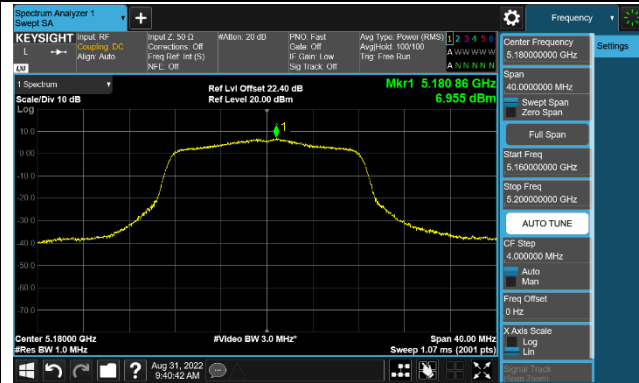
Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	PSD (dBm/510KHz)		Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	149	5745	8.031	7.804	93.53	11.220	≤ 29.99	Pass
11a	6Mbps	157	5785	8.088	7.165	93.53	10.952	≤ 29.99	Pass
11a	6Mbps	165	5825	8.104	6.976	93.53	10.877	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	6.325	6.445	92.37	9.740	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	7.072	6.221	92.37	10.022	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	6.702	6.364	92.37	9.891	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	3.613	3.132	91.10	6.794	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	4.129	3.533	91.10	7.256	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	-3.354	-3.760	89.95	-0.082	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	6.891	6.827	91.90	10.236	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	6.710	6.434	91.90	9.951	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	7.007	6.231	91.90	10.013	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	2.660	2.119	90.92	5.822	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	2.985	1.993	90.92	5.941	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	-3.354	-3.211	91.72	0.188	≤ 29.99	Pass

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

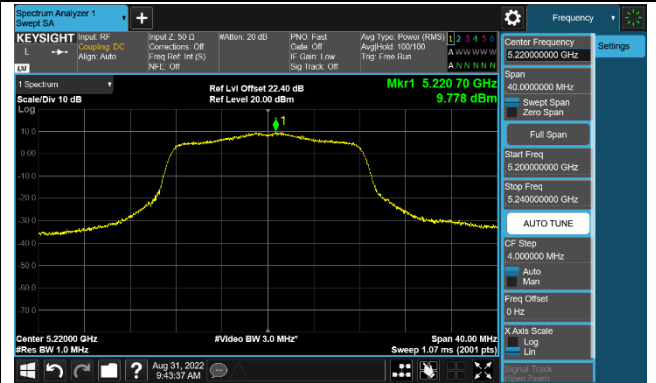
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.01 - 6) = 29.99dBm/500kHz.

802.11a Power Spectral Density - Ant 0

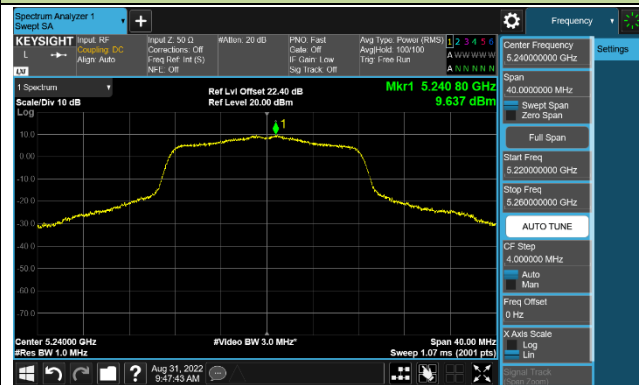
Channel 36 (5180MHz)



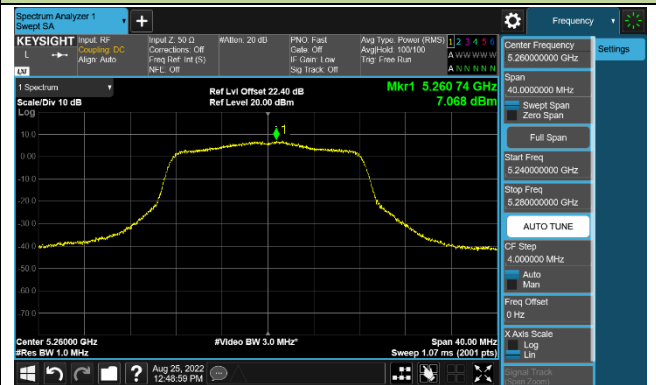
Channel 44 (5220MHz)



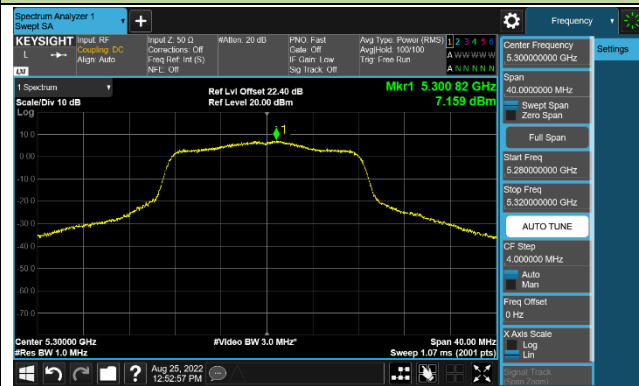
Channel 48 (5240MHz)



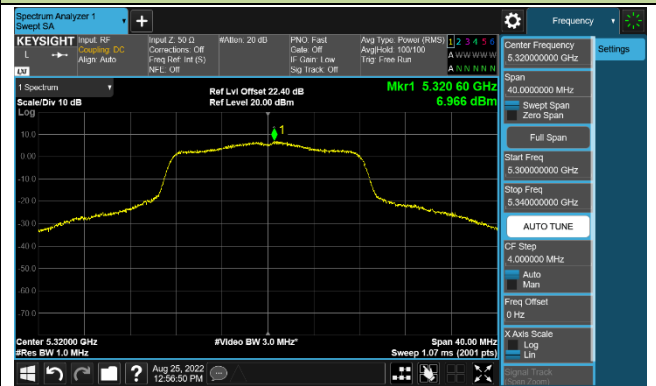
Channel 52 (5260MHz)



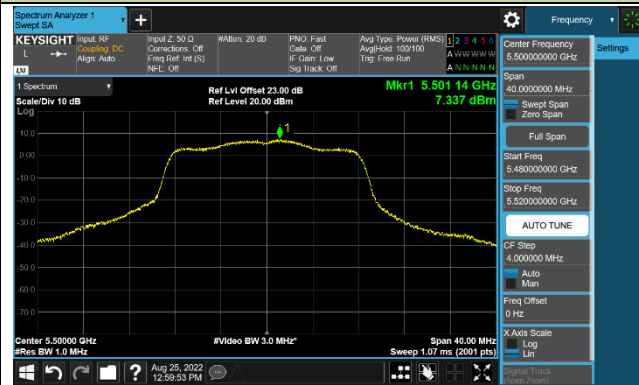
Channel 60 (5300MHz)



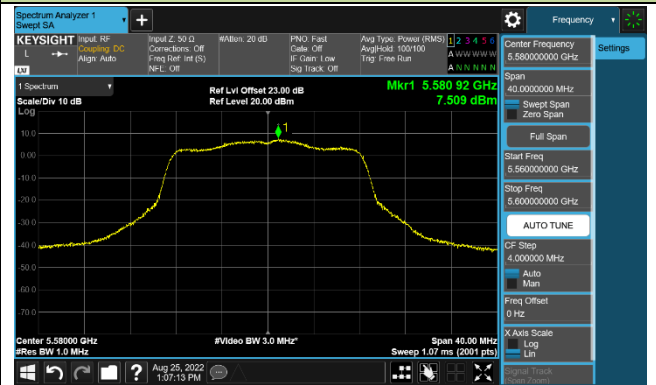
Channel 64 (5320MHz)

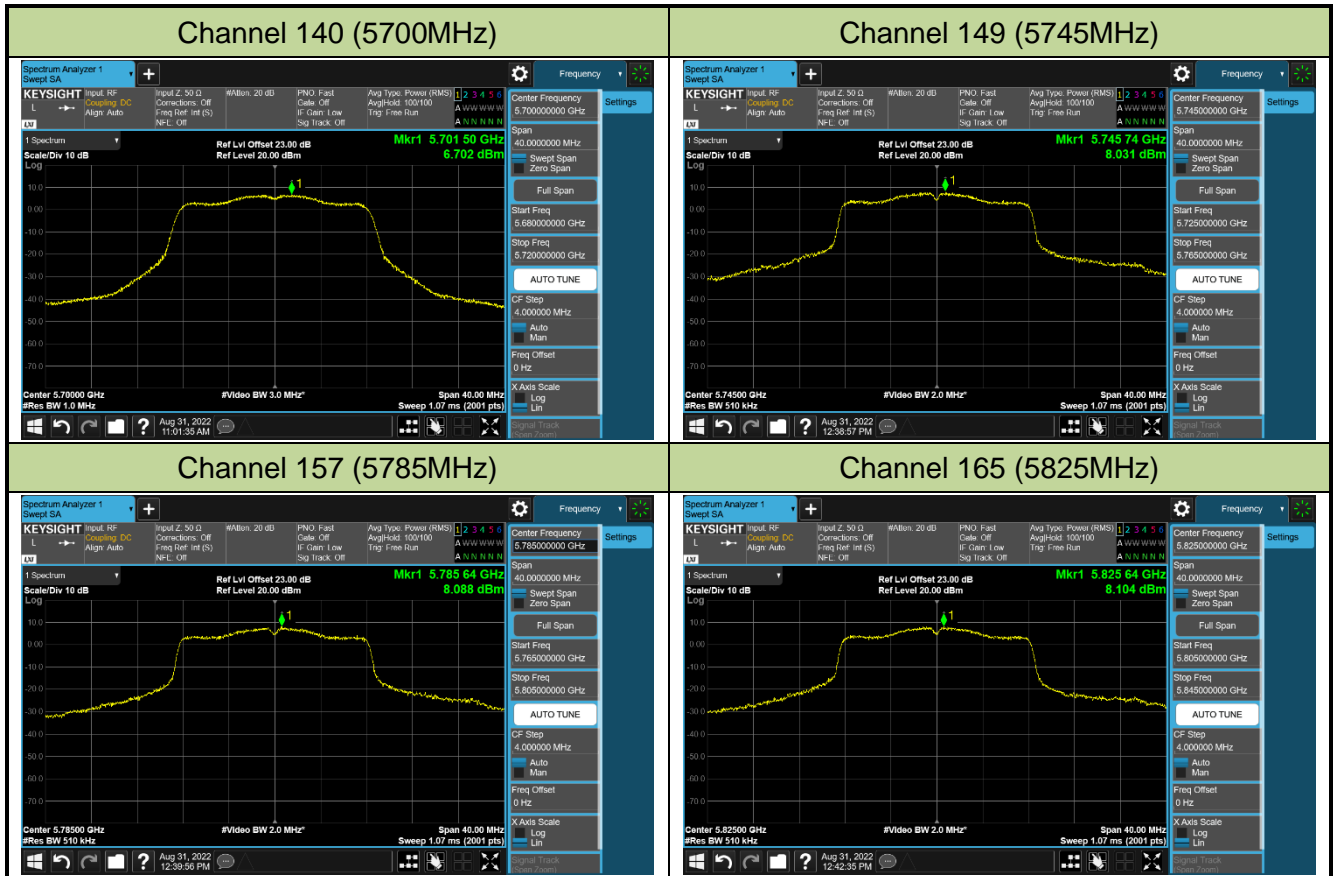


Channel 100 (5500MHz)



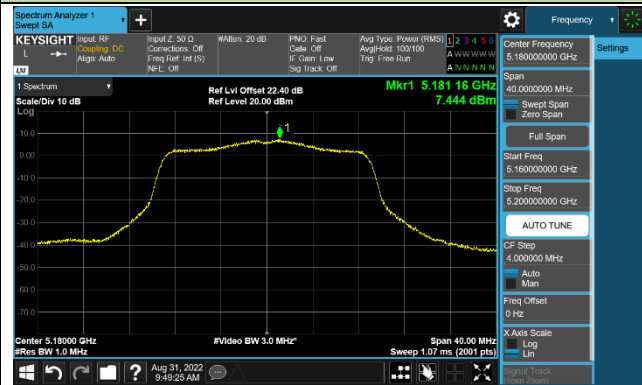
Channel 116 (5580MHz)



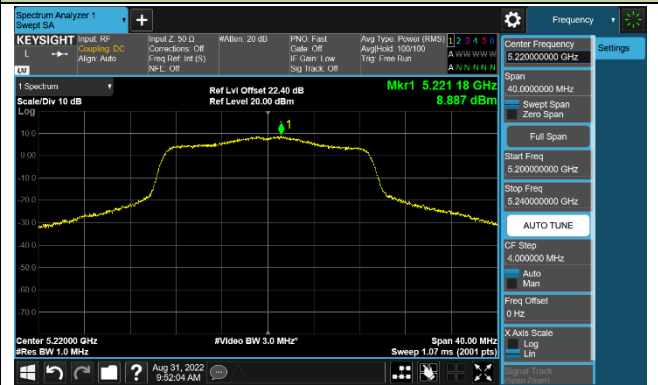


802.11ac-VHT20 Power Spectral Density - Ant 0

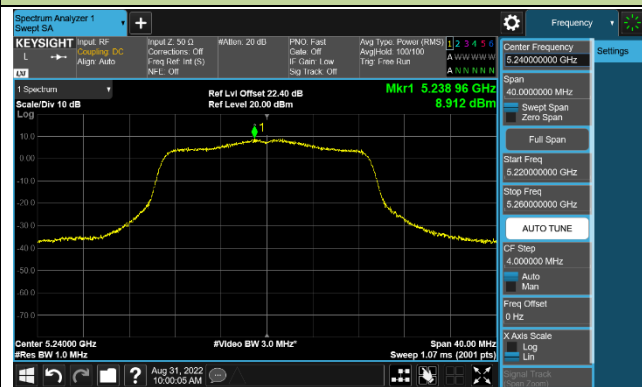
Channel 36 (5180MHz)



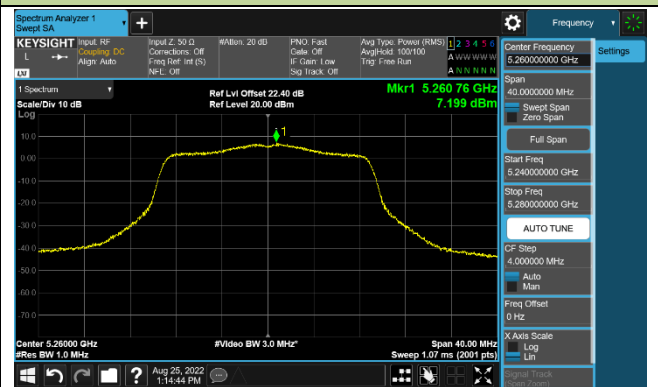
Channel 44 (5220MHz)



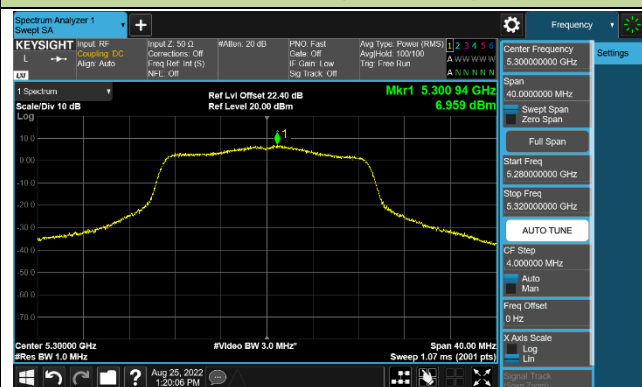
Channel 48 (5240MHz)



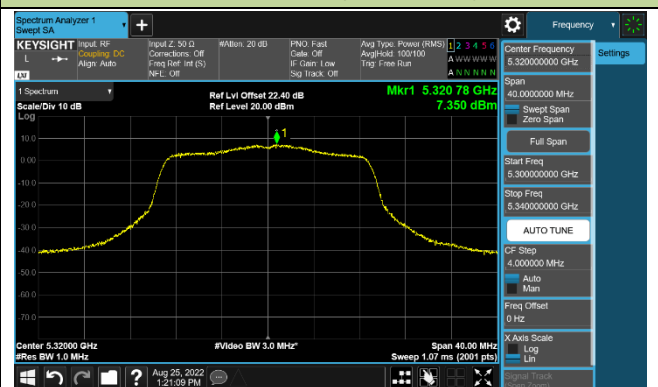
Channel 52 (5260MHz)



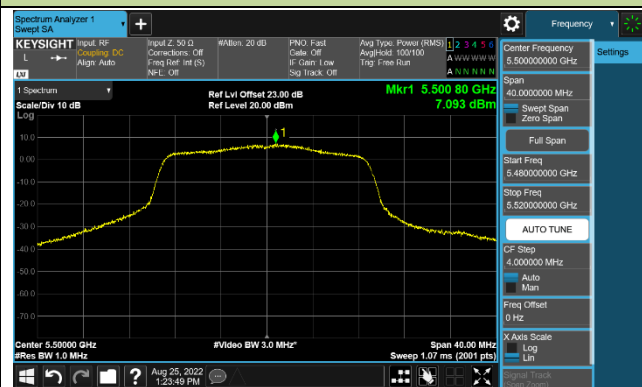
Channel 60 (5300MHz)



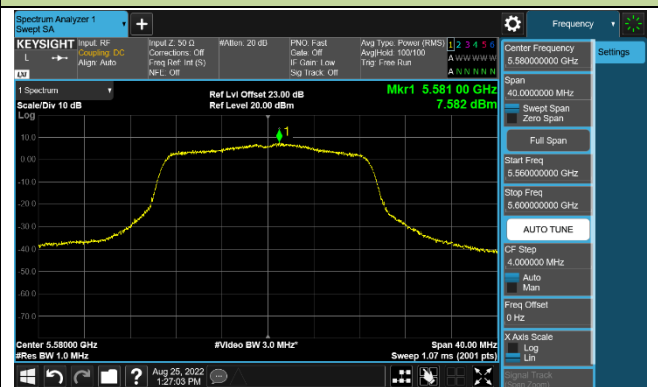
Channel 64 (5320MHz)

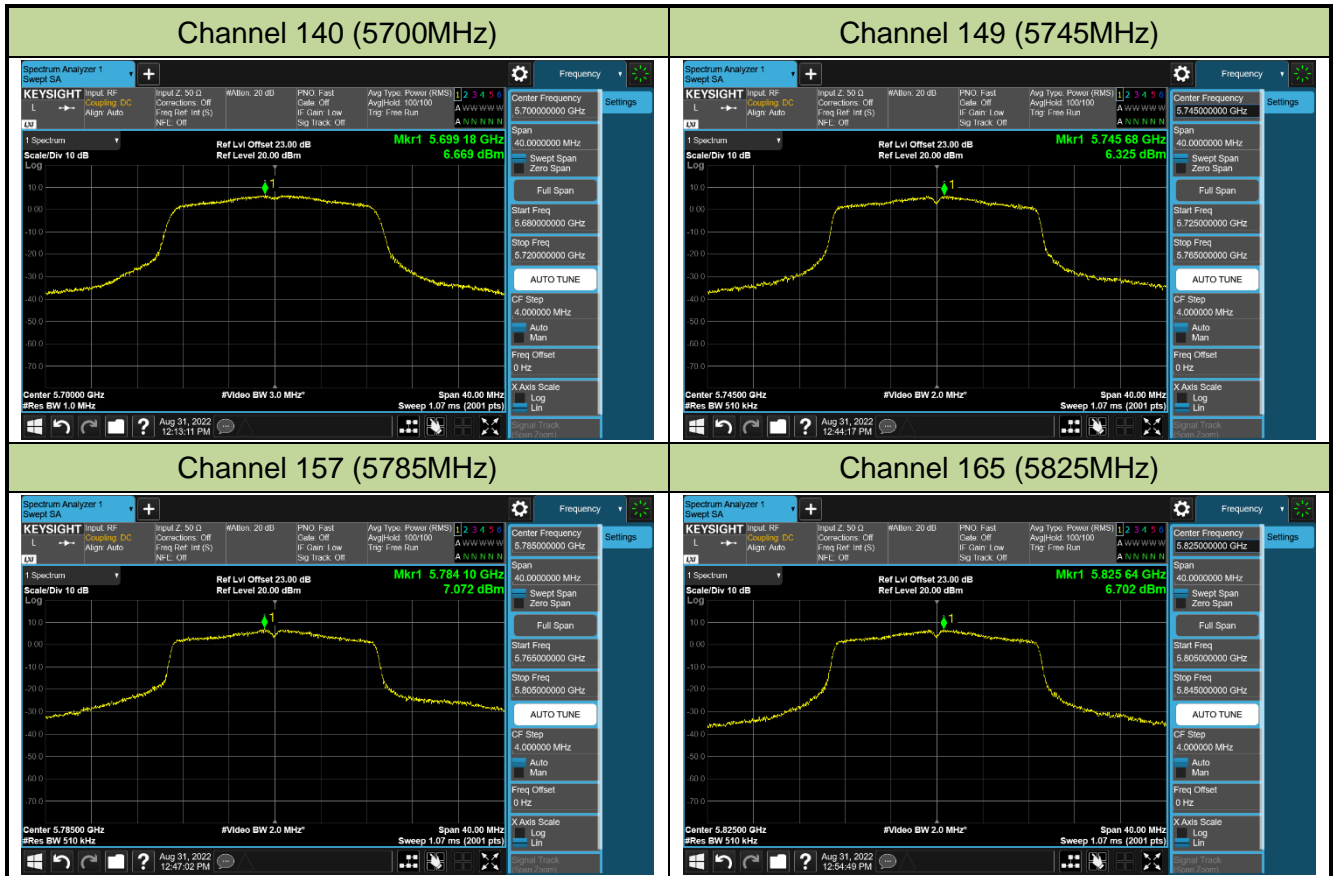


Channel 100 (5500MHz)



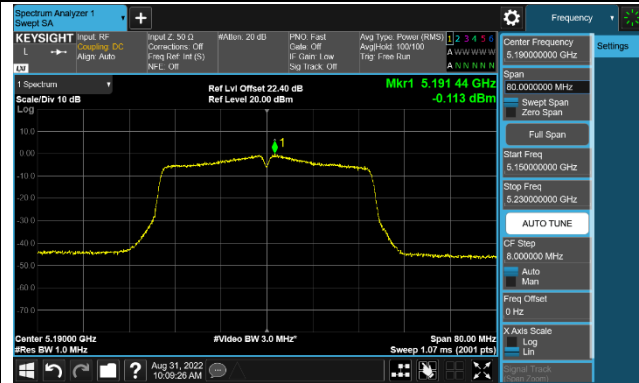
Channel 116 (5580MHz)



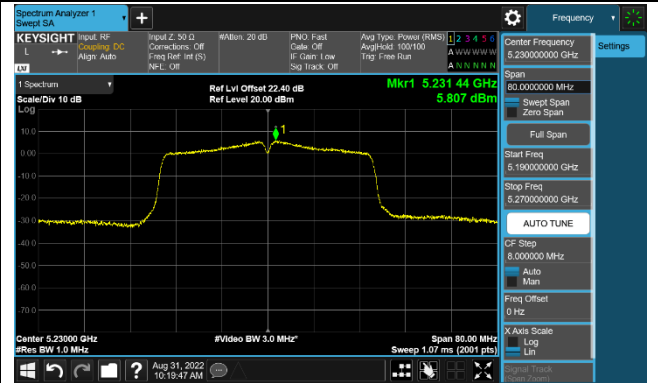


802.11ac-VHT40 Power Spectral Density - Ant 0

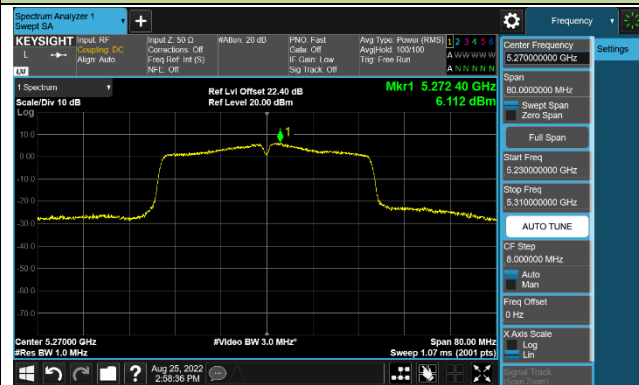
Channel 38 (5190MHz)



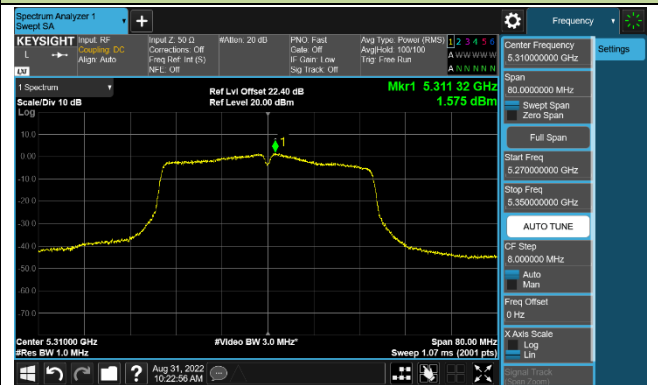
Channel 46 (5230MHz)



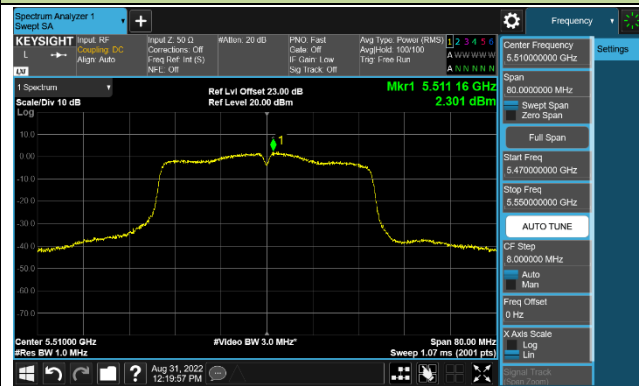
Channel 54 (5270MHz)



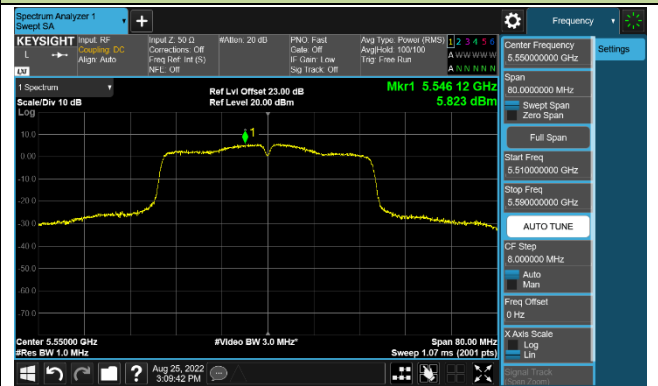
Channel 62 (5310MHz)



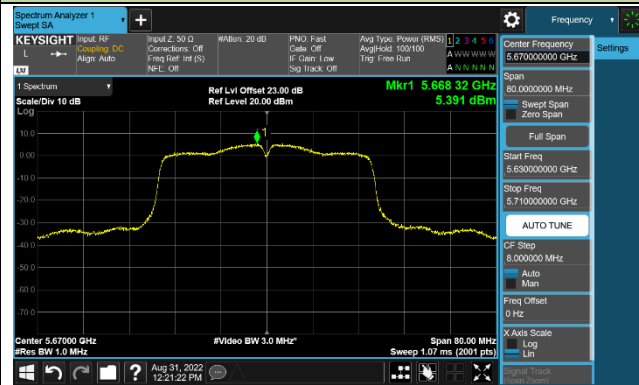
Channel 102 (5510MHz)



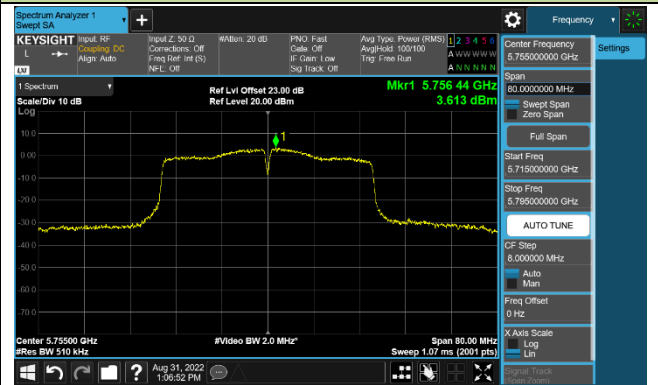
Channel 110 (5550MHz)

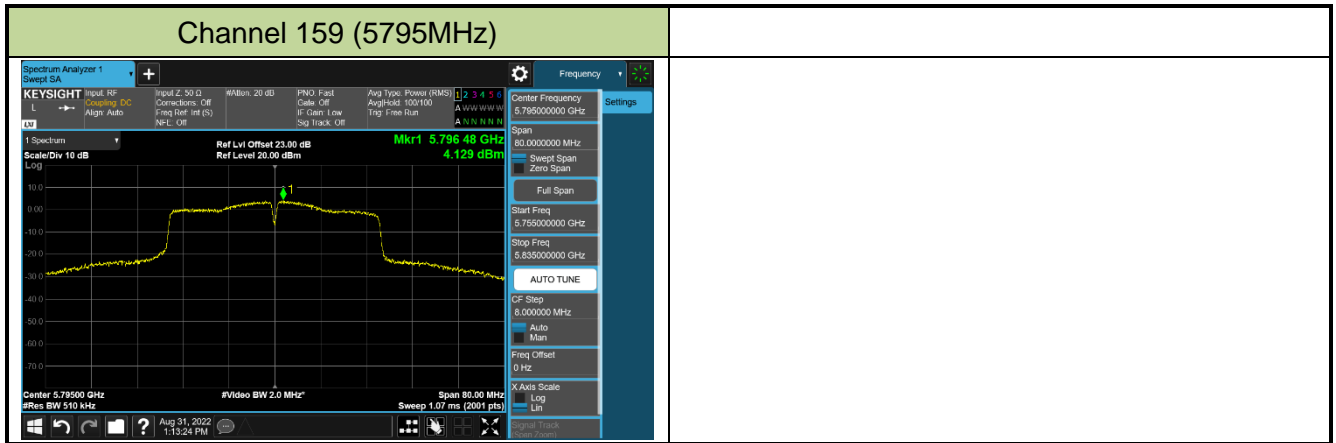


Channel 134 (5670MHz)



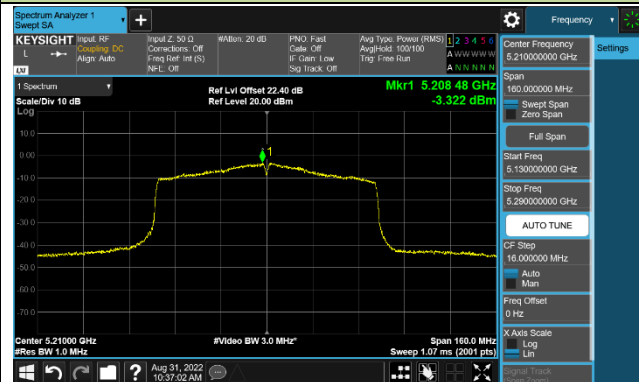
Channel 151 (5755MHz)



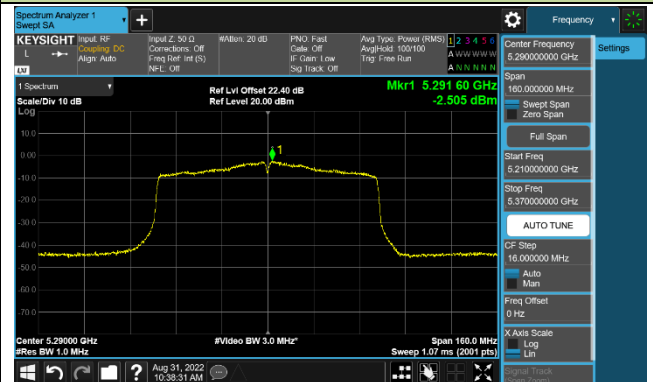


802.11ac-VHT80 Power Spectral Density - Ant 0

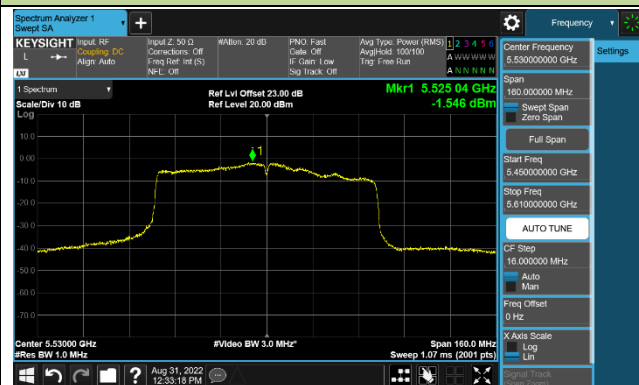
Channel 42 (5210MHz)



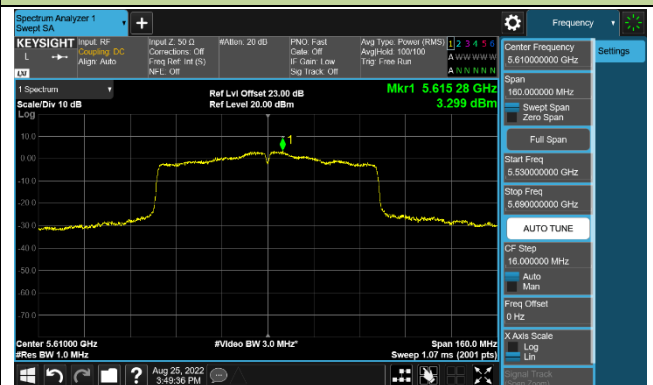
Channel 58 (5290MHz)



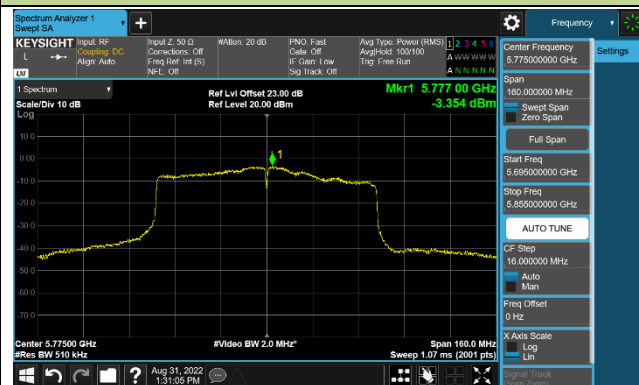
Channel 106 (5530MHz)



Channel 122 (5610MHz)

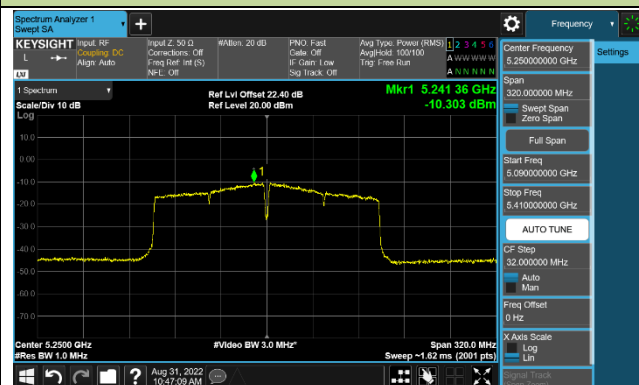


Channel 155 (5775MHz)

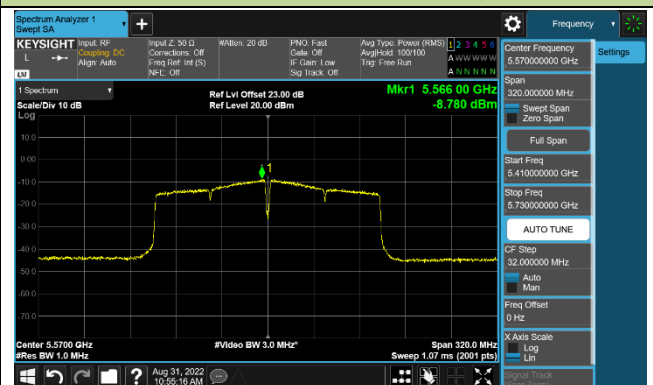


802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 50 (5250MHz)

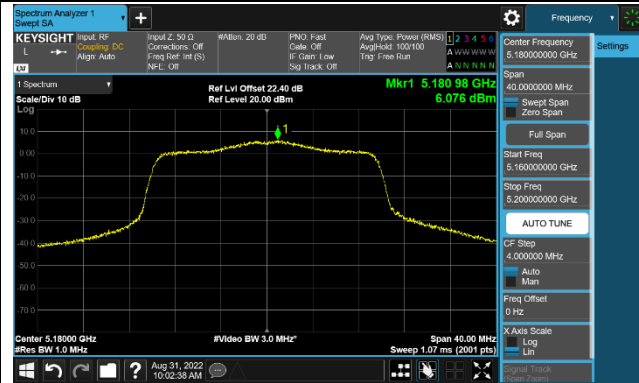


Channel 114 (5570MHz)

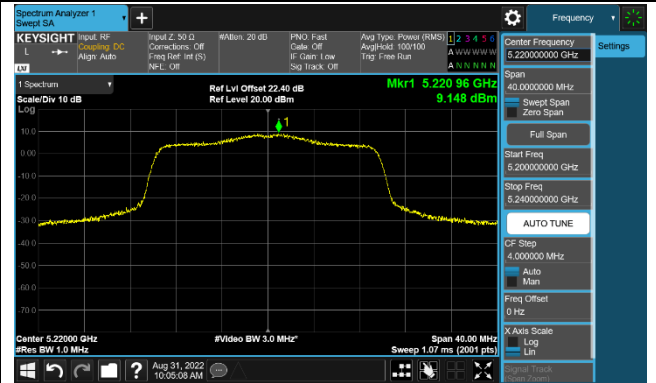


802.11ax-HE20 Power Spectral Density - Ant 0

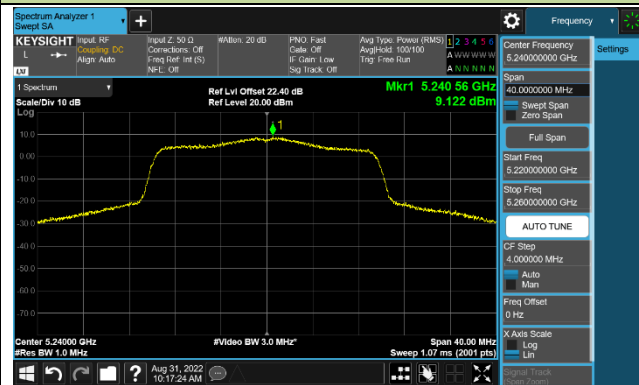
Channel 36 (5180MHz)



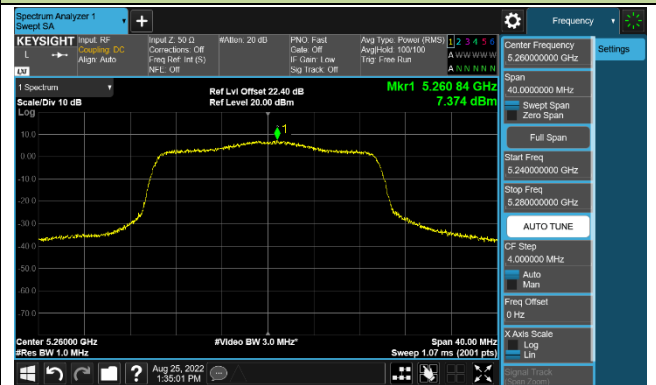
Channel 44 (5220MHz)



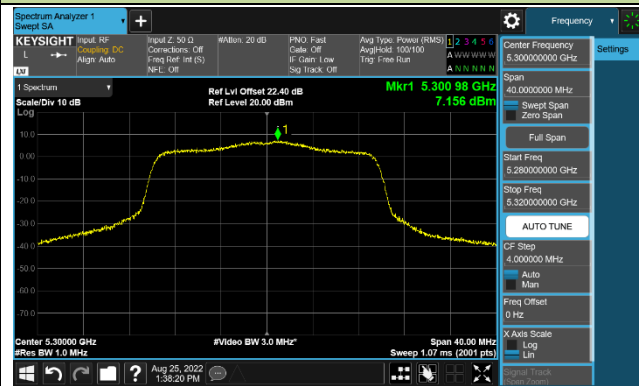
Channel 48 (5240MHz)



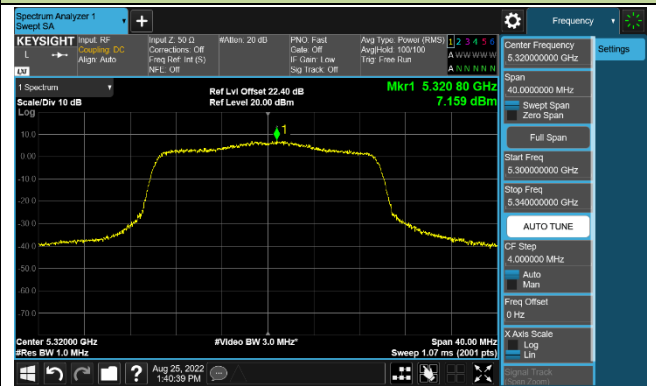
Channel 52 (5260MHz)



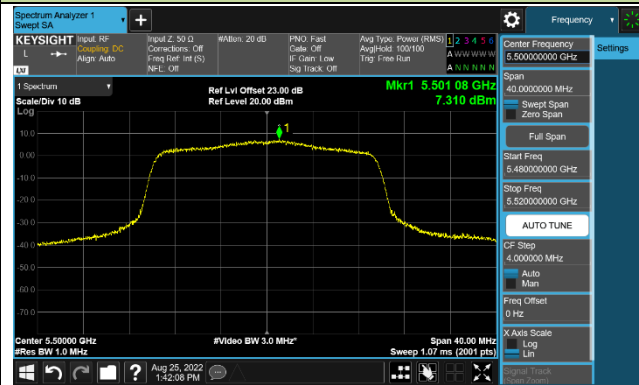
Channel 60 (5300MHz)



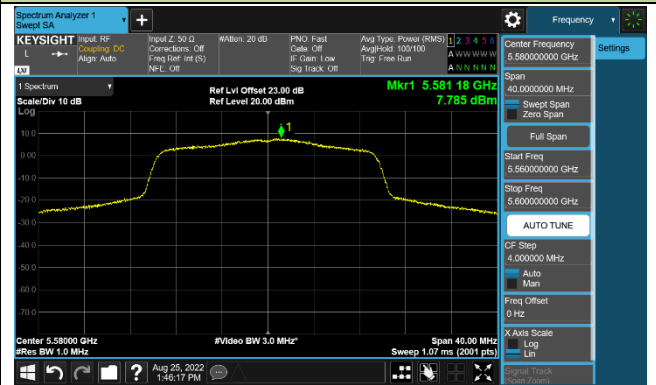
Channel 64 (5320MHz)

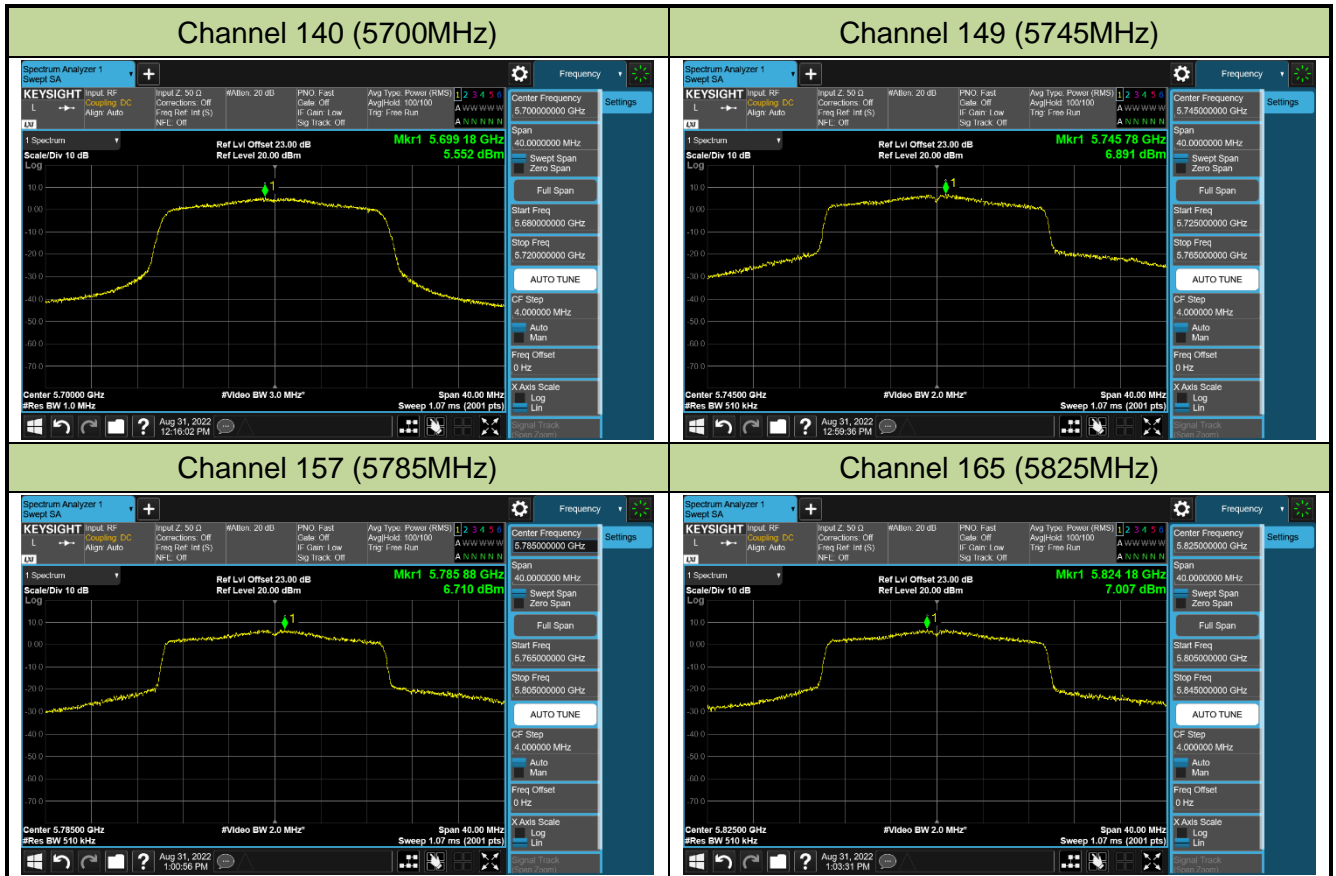


Channel 100 (5500MHz)



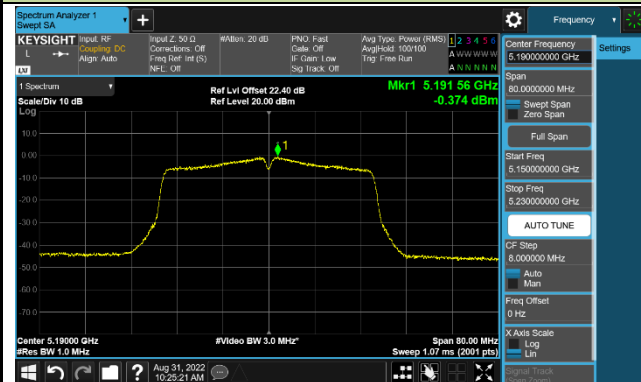
Channel 116 (5580MHz)



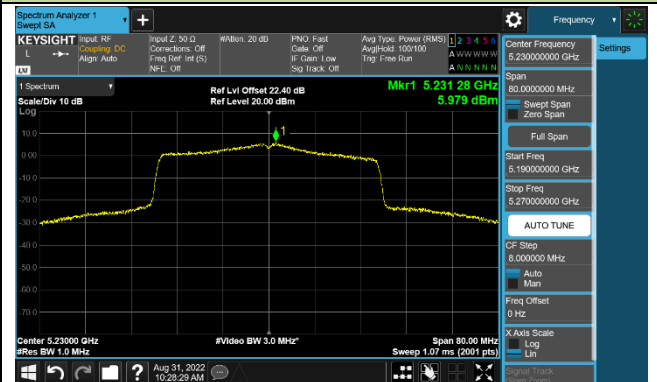


802.11ax-HE40 Power Spectral Density - Ant 0

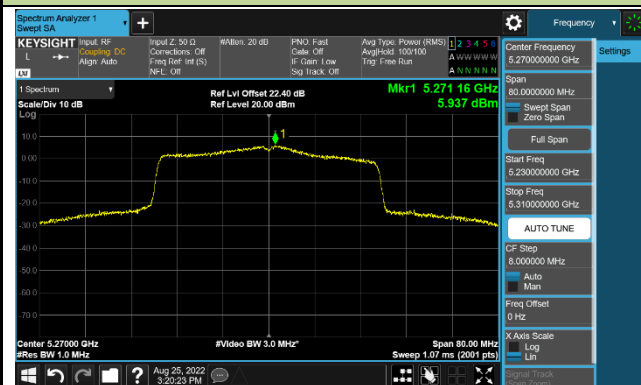
Channel 38 (5190MHz)



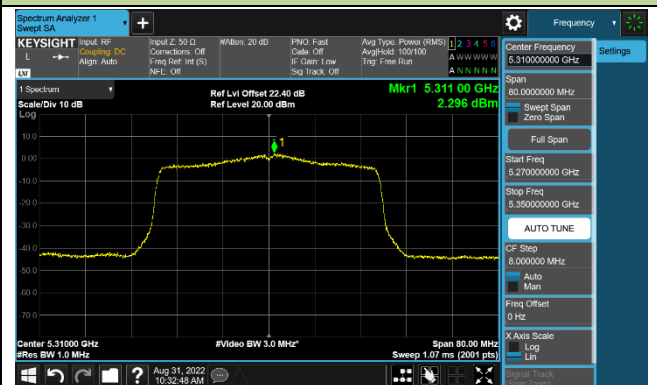
Channel 46 (5230MHz)



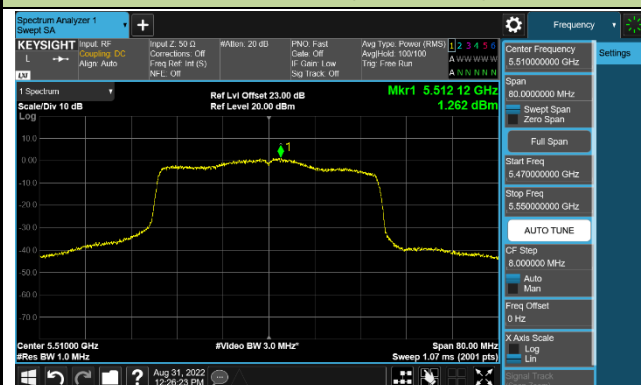
Channel 54 (5270MHz)



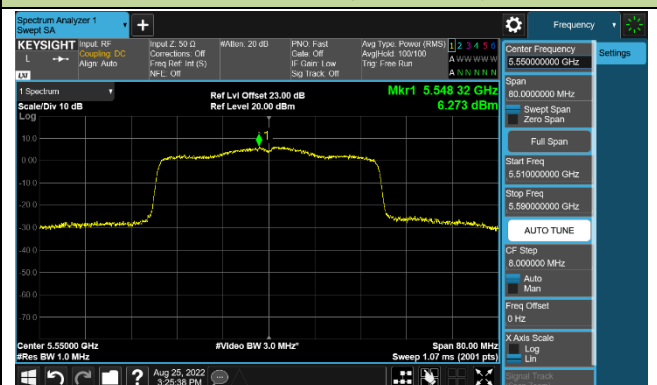
Channel 62 (5310MHz)



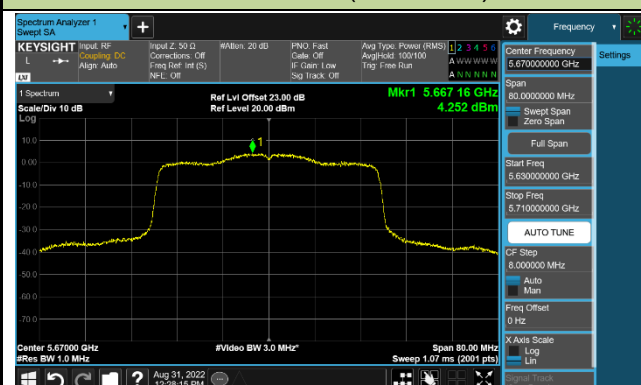
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

