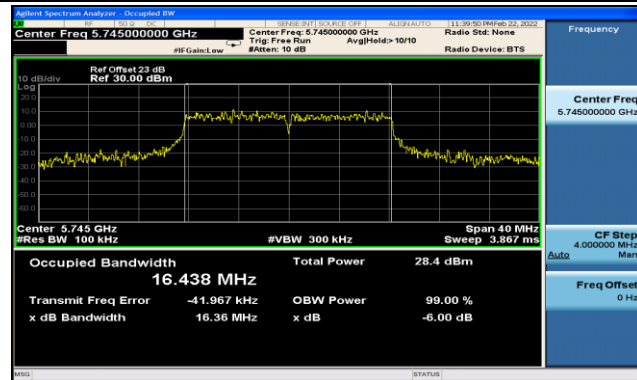
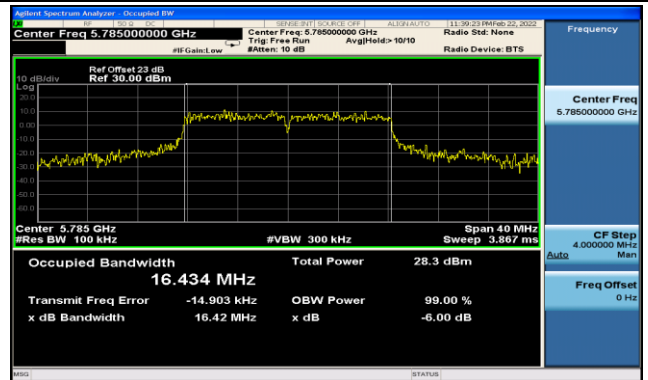


802.11a 6dB Bandwidth

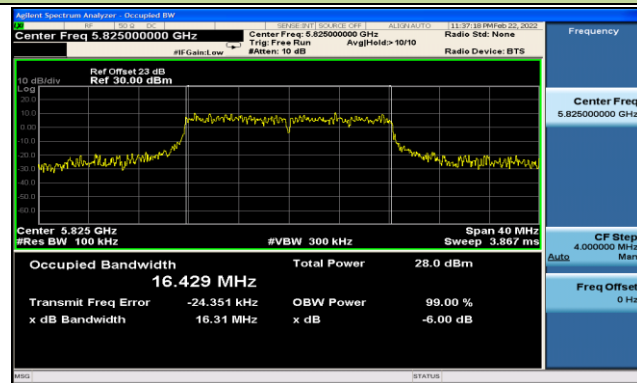
Channel 149 (5745MHz)



Channel 157 (5785MHz)

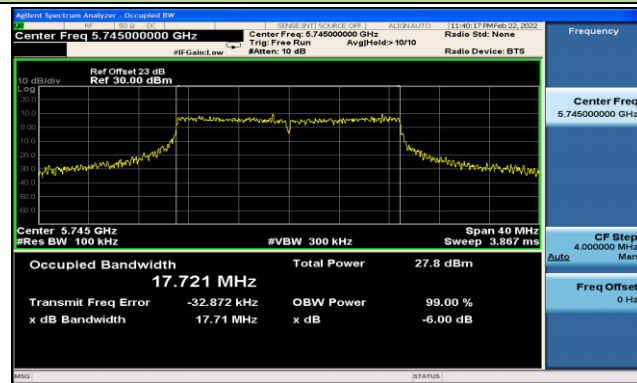


Channel 165 (5825MHz)

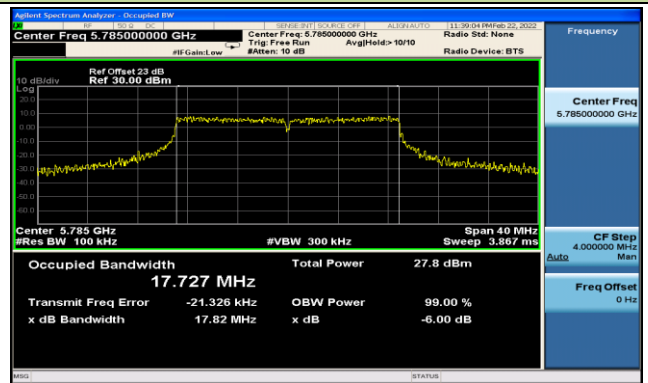


802.11ac-VHT20 6dB Bandwidth

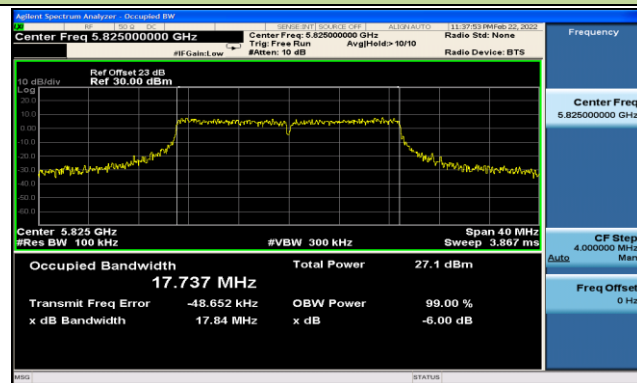
Channel 149 (5745MHz)



Channel 157 (5785MHz)

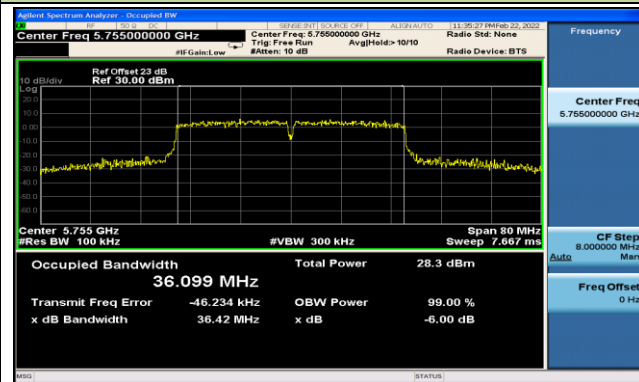


Channel 165 (5825MHz)

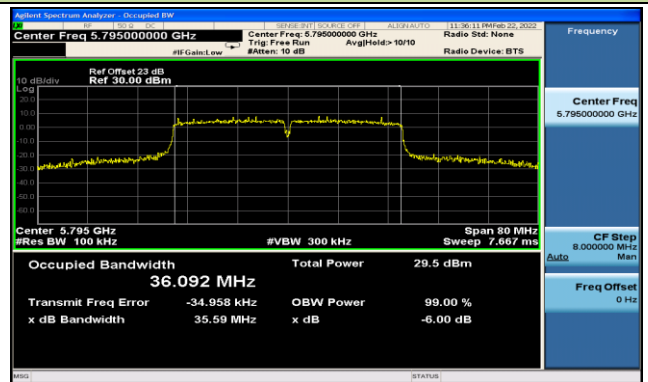


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

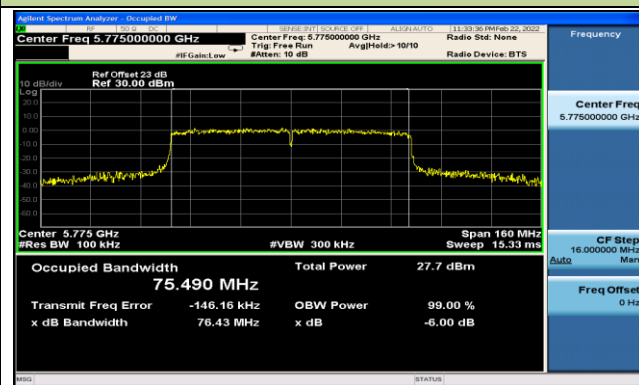


Channel 159 (5795MHz)



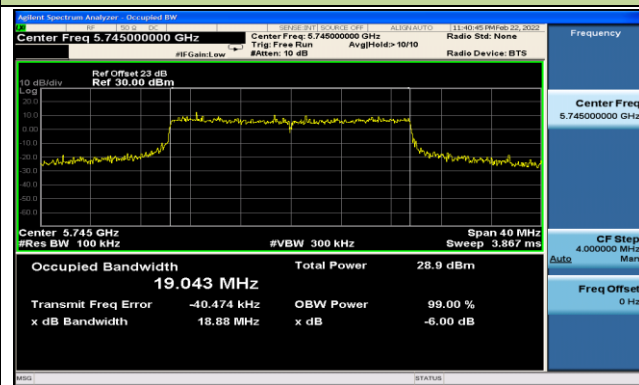
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

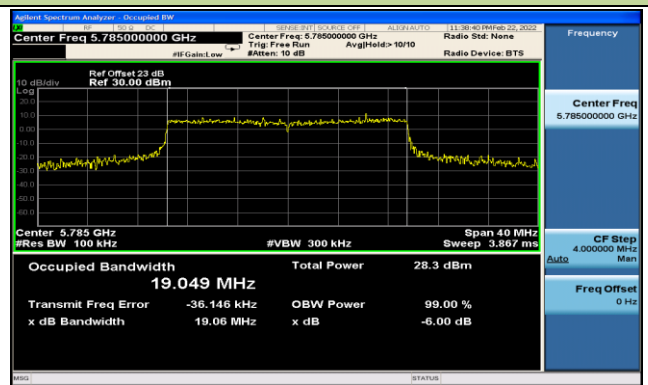


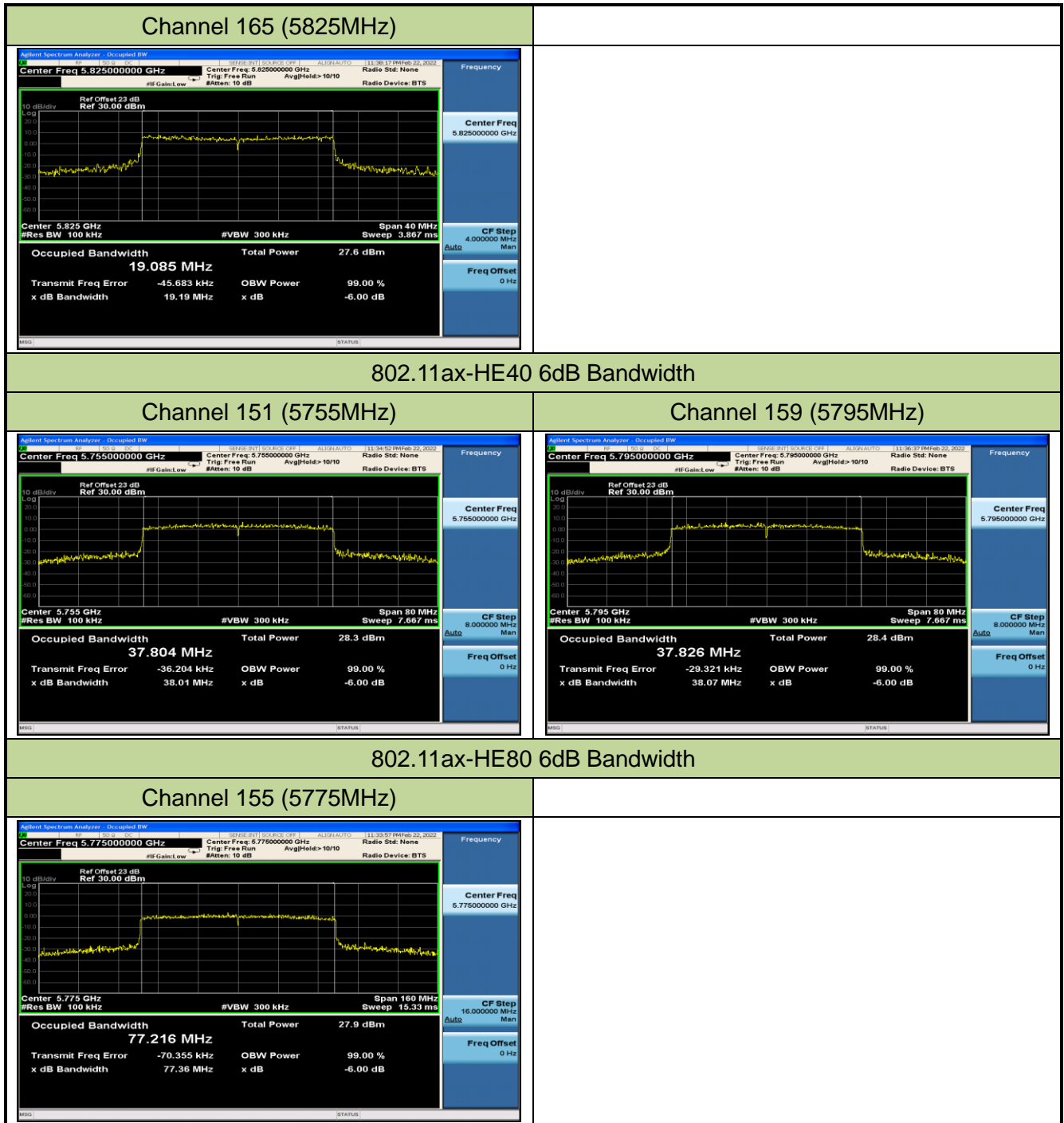
802.11ax-HE20 6dB Bandwidth

Channel 149 (5745MHz)



Channel 157 (5785MHz)





## 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.

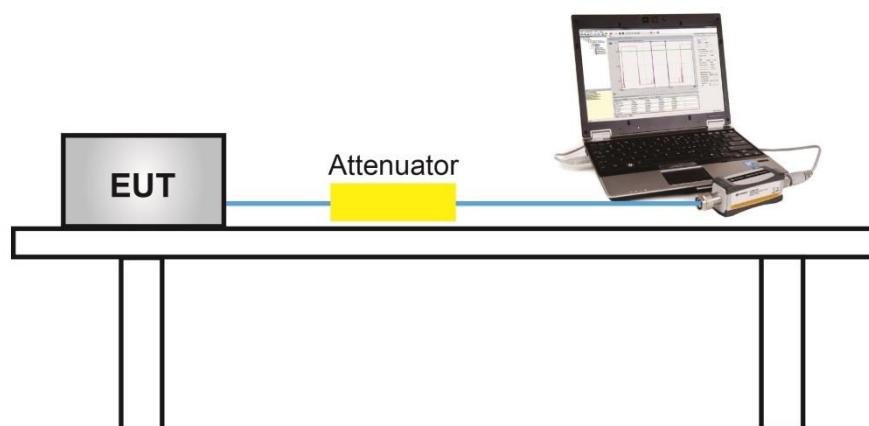
### 7.4.2. Test Procedure Used

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	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/2/24
Test Mode	CDD Mode		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	16.17	16.08	14.60	16.53	21.92	≤ 30.00	Pass
11a	6Mbps	44	5220	14.94	15.54	14.42	15.42	21.12	≤ 30.00	Pass
11a	6Mbps	48	5240	15.03	15.43	14.69	15.70	21.25	≤ 30.00	Pass
11a	6Mbps	52	5260	9.85	10.13	9.51	10.50	16.03	≤ 23.98	Pass
11a	6Mbps	60	5300	9.20	9.67	8.97	9.91	15.47	≤ 23.98	Pass
11a	6Mbps	64	5320	9.16	9.73	9.07	9.60	15.42	≤ 23.98	Pass
11a	6Mbps	100	5500	10.63	11.10	10.73	11.08	16.91	≤ 23.98	Pass
11a	6Mbps	116	5580	10.04	10.71	10.04	9.83	16.19	≤ 23.98	Pass
11a	6Mbps	140	5700	10.37	11.58	10.31	10.25	16.68	≤ 23.98	Pass
11a	6Mbps	144	5720	9.36	10.62	9.37	9.55	15.78	≤ 22.22	Pass
11a	6Mbps	149	5745	23.15	23.61	22.18	22.42	28.90	≤ 30.00	Pass
11a	6Mbps	157	5785	23.48	23.84	22.33	22.57	29.12	≤ 30.00	Pass
11a	6Mbps	165	5825	22.86	23.10	22.16	22.21	28.62	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	16.31	16.69	15.37	16.42	22.25	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	15.03	15.44	14.55	15.42	21.15	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	16.02	16.56	15.67	16.71	22.28	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	9.66	10.11	9.20	10.41	15.89	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	9.28	9.73	8.76	9.84	15.44	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	9.07	9.44	9.02	9.52	15.29	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	10.58	10.65	10.41	10.99	16.68	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	10.00	10.50	9.97	9.76	16.09	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	10.51	11.31	10.31	10.14	16.61	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	9.31	10.65	9.54	9.39	15.78	≤ 22.42	Pass
11ac-VHT20	MCS0	149	5745	23.39	22.71	22.84	22.58	28.91	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.49	22.38	23.04	22.57	28.91	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.10	21.93	22.80	22.15	28.54	≤ 30.00	Pass



Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	16.11	16.24	15.10	16.10	21.93	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	18.46	18.79	17.69	18.75	24.46	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	12.03	12.30	11.47	12.55	18.13	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	11.42	11.93	11.01	12.01	17.63	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	12.78	12.90	13.07	13.23	19.02	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	12.73	13.23	12.70	13.01	18.94	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	12.45	13.57	12.23	12.30	18.69	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	12.58	13.69	12.46	12.51	18.86	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	22.96	22.86	22.54	22.84	28.82	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	22.83	22.40	22.39	22.63	28.59	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	15.79	16.01	14.77	15.97	21.68	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	15.54	15.84	15.23	16.09	21.71	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	16.75	16.88	16.61	16.84	22.79	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	16.31	16.93	15.96	16.13	22.37	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	16.40	17.55	16.22	16.39	22.69	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	21.15	22.28	21.02	21.23	27.47	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	14.85	15.23	14.36	15.42	21.00	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	14.38	14.64	14.35	14.08	20.39	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	15.73	16.16	14.73	15.81	21.66	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	15.57	16.05	15.03	15.90	21.68	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	15.48	16.17	14.92	16.07	21.71	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	10.22	10.73	10.02	10.88	16.50	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	9.82	10.47	9.51	10.31	16.06	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	9.67	10.08	9.48	9.96	15.82	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	10.75	11.48	11.34	11.47	17.29	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	10.40	10.97	10.64	10.29	16.60	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	10.87	12.04	10.52	10.69	17.09	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	9.66	11.04	10.10	9.96	16.24	≤ 22.62	Pass
11ax-HE20	MCS0	149	5745	23.67	23.98	22.58	22.89	29.34	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	23.62	23.60	22.99	22.97	29.33	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.34	23.45	22.47	22.60	29.01	≤ 30.00	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	16.23	16.45	15.23	16.20	22.07	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	18.62	18.90	17.99	18.76	24.60	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	12.13	12.59	11.45	12.66	18.25	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	11.50	12.08	11.01	12.11	17.72	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	12.92	13.10	12.87	13.32	19.08	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	12.79	13.26	13.31	13.12	19.15	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	12.57	13.53	12.25	12.41	18.74	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	12.68	13.70	12.49	12.61	18.92	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	22.85	22.95	22.63	22.98	28.88	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	22.79	22.52	22.51	22.83	28.69	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	15.57	15.93	14.64	15.83	21.54	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	15.26	15.76	15.38	16.13	21.67	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	16.13	16.34	16.46	16.16	22.30	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	15.57	15.95	15.74	15.42	21.70	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	15.77	17.02	15.40	15.81	22.07	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	20.82	21.85	20.99	21.12	27.23	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	14.72	15.01	14.20	15.20	20.82	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	14.09	14.25	13.55	14.01	20.00	≤ 23.98	Pass

Note 1:

The Total Average Power (dBm) =  $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

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.

For Channel 144 (5720MHz), Average Power Limit (dBm) =  $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$



Product	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/2/24
Test Mode	Beamforming Mode		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	16.31	16.69	15.37	16.42	22.25	≤ 25.28	Pass
11ac-VHT20	MCS0	40	5220	15.03	15.44	14.55	15.42	21.15	≤ 25.28	Pass
11ac-VHT20	MCS0	48	5240	16.02	16.56	15.67	16.71	22.28	≤ 25.28	Pass
11ac-VHT20	MCS0	52	5260	9.66	10.11	9.20	10.41	15.89	≤ 19.26	Pass
11ac-VHT20	MCS0	60	5300	9.28	9.73	8.76	9.84	15.44	≤ 19.26	Pass
11ac-VHT20	MCS0	64	5320	9.07	9.44	9.02	9.52	15.29	≤ 19.26	Pass
11ac-VHT20	MCS0	100	5500	10.58	10.65	10.41	10.99	16.68	≤ 19.46	Pass
11ac-VHT20	MCS0	116	5580	10.00	10.50	9.97	9.76	16.09	≤ 19.46	Pass
11ac-VHT20	MCS0	140	5700	10.51	11.31	10.31	10.14	16.61	≤ 19.46	Pass
11ac-VHT20	MCS0	144	5720	9.31	10.65	9.54	9.39	15.78	≤ 17.90	Pass
11ac-VHT20	MCS0	149	5745	18.79	20.17	18.94	19.00	25.28	≤ 25.48	Pass
11ac-VHT20	MCS0	157	5785	18.59	19.60	18.72	18.71	24.95	≤ 25.48	Pass
11ac-VHT20	MCS0	165	5825	18.55	19.89	18.83	18.73	25.05	≤ 25.48	Pass
11ac-VHT40	MCS0	38	5190	16.11	16.24	15.10	16.10	21.93	≤ 25.28	Pass
11ac-VHT40	MCS0	46	5230	18.46	18.79	17.69	18.75	24.46	≤ 25.28	Pass
11ac-VHT40	MCS0	54	5270	12.03	12.30	11.47	12.55	18.13	≤ 19.26	Pass
11ac-VHT40	MCS0	62	5310	11.42	11.93	11.01	12.01	17.63	≤ 19.26	Pass
11ac-VHT40	MCS0	102	5510	12.78	12.90	13.07	13.23	19.02	≤ 19.46	Pass
11ac-VHT40	MCS0	110	5550	12.73	13.23	12.70	13.01	18.94	≤ 19.46	Pass
11ac-VHT40	MCS0	134	5670	12.45	13.57	12.23	12.30	18.69	≤ 19.46	Pass
11ac-VHT40	MCS0	142	5710	12.58	13.69	12.46	12.51	18.86	≤ 19.46	Pass
11ac-VHT40	MCS0	151	5755	18.72	19.79	18.64	18.88	25.05	≤ 25.48	Pass
11ac-VHT40	MCS0	159	5795	18.65	19.82	18.41	18.85	24.99	≤ 25.48	Pass





Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT80	MCS0	42	5210	15.79	16.01	14.77	15.97	21.68	≤ 25.28	Pass
11ac-VHT80	MCS0	58	5290	12.31	13.13	12.51	13.09	18.80	≤ 19.26	Pass
11ac-VHT80	MCS0	106	5530	12.56	13.58	12.81	12.73	18.96	≤ 19.46	Pass
11ac-VHT80	MCS0	122	5610	12.66	13.65	12.67	12.61	18.94	≤ 19.46	Pass
11ac-VHT80	MCS0	138	5690	12.25	13.68	12.52	12.43	18.78	≤ 19.46	Pass
11ac-VHT80	MCS0	155	5775	18.47	19.94	18.57	18.86	25.02	≤ 25.48	Pass
11ac-VHT160	MCS0	50	5250	12.45	12.94	12.09	13.02	18.66	≤ 19.26	Pass
11ac-VHT160	MCS0	114	5570	13.20	13.58	12.91	13.13	19.23	≤ 19.46	Pass
11ax-HE20	MCS0	36	5180	15.73	16.16	14.73	15.81	21.66	≤ 25.28	Pass
11ax-HE20	MCS0	40	5220	15.57	16.05	15.03	15.90	21.68	≤ 25.28	Pass
11ax-HE20	MCS0	48	5240	15.48	16.17	14.92	16.07	21.71	≤ 25.28	Pass
11ax-HE20	MCS0	52	5260	10.22	10.73	10.02	10.88	16.50	≤ 19.26	Pass
11ax-HE20	MCS0	60	5300	9.82	10.47	9.51	10.31	16.06	≤ 19.26	Pass
11ax-HE20	MCS0	64	5320	9.67	10.08	9.48	9.96	15.82	≤ 19.26	Pass
11ax-HE20	MCS0	100	5500	10.75	11.48	11.34	11.47	17.29	≤ 19.46	Pass
11ax-HE20	MCS0	116	5580	10.40	10.97	10.64	10.29	16.60	≤ 19.46	Pass
11ax-HE20	MCS0	140	5700	10.87	12.04	10.52	10.69	17.09	≤ 19.46	Pass
11ax-HE20	MCS0	144	5720	9.66	11.04	10.10	9.96	16.24	≤ 18.10	Pass
11ax-HE20	MCS0	149	5745	18.33	19.71	18.30	18.75	24.83	≤ 25.48	Pass
11ax-HE20	MCS0	157	5785	18.43	19.97	18.51	18.87	25.01	≤ 25.48	Pass
11ax-HE20	MCS0	165	5825	18.29	20.12	18.67	18.85	25.06	≤ 25.48	Pass
11ax-HE40	MCS0	38	5190	16.23	16.45	15.23	16.20	22.07	≤ 25.28	Pass
11ax-HE40	MCS0	46	5230	18.62	18.90	17.99	18.76	24.60	≤ 25.28	Pass
11ax-HE40	MCS0	54	5270	12.13	12.59	11.45	12.66	18.25	≤ 19.26	Pass
11ax-HE40	MCS0	62	5310	11.50	12.08	11.01	12.11	17.72	≤ 19.26	Pass
11ax-HE40	MCS0	102	5510	12.92	13.10	12.87	13.32	19.08	≤ 19.46	Pass
11ax-HE40	MCS0	110	5550	12.79	13.26	13.31	13.12	19.15	≤ 19.46	Pass
11ax-HE40	MCS0	134	5670	12.57	13.53	12.25	12.41	18.74	≤ 19.46	Pass
11ax-HE40	MCS0	142	5710	12.68	13.70	12.49	12.61	18.92	≤ 19.46	Pass
11ax-HE40	MCS0	151	5755	18.84	20.24	18.83	18.94	25.28	≤ 25.48	Pass
11ax-HE40	MCS0	159	5795	18.81	20.03	18.73	18.94	25.18	≤ 25.48	Pass

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE80	MCS0	42	5210	15.57	15.93	14.64	15.83	21.54	≤ 25.28	Pass
11ax-HE80	MCS0	58	5290	12.65	13.47	12.49	13.36	19.03	≤ 19.26	Pass
11ax-HE80	MCS0	106	5530	12.29	13.93	13.05	13.00	19.13	≤ 19.46	Pass
11ax-HE80	MCS0	122	5610	12.87	14.09	13.14	12.92	19.30	≤ 19.46	Pass
11ax-HE80	MCS0	138	5690	12.63	14.03	12.74	12.73	19.09	≤ 19.46	Pass
11ax-HE80	MCS0	155	5775	18.80	20.17	19.02	19.10	25.33	≤ 25.48	Pass
11ax-HE160	MCS0	50	5250	12.67	13.23	12.11	13.19	18.84	≤ 19.26	Pass
11ax-HE160	MCS0	114	5570	12.87	13.54	12.57	13.04	19.04	≤ 19.46	Pass

Note 1:

The Total Average Power (dBm) =  $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

Note 2:

For 5125 - 5250MHz Band: Average Power Limit (dBm) =  $30 - (10.72 - 6) = 25.28\text{dBm}$

For 5250 - 5350MHz Band: Average Power Limit (dBm) =  $23.98 - (10.72 - 6) = 19.26\text{dBm}$ .

For 5470 - 5725MHz Band: Average Power Limit (dBm) =  $23.98 - (10.52 - 6) = 19.46\text{dBm}$ .

For 5725 - 5850MHz Band: Average Power Limit (dBm) =  $30 - (10.52 - 6) = 25.48\text{dBm}$ .

For Channel 144 (5720MHz), Average Power Limit (dBm) =  $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) - (10.72 - 6)$



Product	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/3/21
Test Mode	CDD Mode_Nss = 4		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	20.93	20.37	20.73	20.40	26.63	≤ 30.00	Pass
11a	6Mbps	44	5220	20.73	20.06	19.45	20.54	26.24	≤ 30.00	Pass
11a	6Mbps	48	5240	20.57	20.02	19.88	19.84	26.11	≤ 30.00	Pass
11a	6Mbps	52	5260	14.51	13.78	13.19	13.56	19.81	≤ 23.98	Pass
11a	6Mbps	60	5300	13.87	14.42	13.08	14.27	19.96	≤ 23.98	Pass
11a	6Mbps	64	5320	13.76	14.07	12.87	13.96	19.71	≤ 23.98	Pass
11a	6Mbps	100	5500	14.66	14.30	13.78	14.14	20.25	≤ 23.98	Pass
11a	6Mbps	116	5580	14.91	14.35	14.15	14.90	20.61	≤ 23.98	Pass
11a	6Mbps	140	5700	14.63	14.72	13.93	14.29	20.42	≤ 23.98	Pass
11a	6Mbps	144	5720	14.48	14.89	14.18	14.48	20.54	≤ 22.22	Pass
11ac-VHT20	MCS0	36	5180	21.09	20.41	20.64	20.42	26.67	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	20.65	20.11	20.58	20.49	26.48	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	20.50	19.91	19.69	20.77	26.26	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	14.47	14.20	13.54	14.58	20.24	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	14.89	14.34	13.53	14.23	20.29	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	14.76	14.11	13.36	13.92	20.09	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	15.00	14.83	14.31	15.06	20.83	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	15.42	14.70	14.48	14.87	20.90	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	15.52	14.71	13.96	14.23	20.67	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	15.61	14.87	13.42	13.57	20.48	≤ 22.42	Pass
11ac-VHT40	MCS0	38	5190	15.78	17.03	15.60	16.15	22.20	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	23.59	23.28	23.15	23.30	29.35	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	17.61	16.92	16.92	16.70	23.07	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	17.55	17.10	16.51	17.28	23.15	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	17.03	17.67	17.35	17.15	23.33	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	16.86	17.58	17.33	17.16	23.26	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	17.10	17.89	17.23	16.88	23.31	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	17.38	18.15	16.94	17.18	23.46	≤ 23.98	Pass



Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT80	MCS0	42	5210	15.45	16.60	15.42	16.11	21.94	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	17.03	17.37	17.44	17.22	23.29	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	17.36	17.05	17.52	17.27	23.32	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	17.37	16.98	17.32	17.28	23.26	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	17.12	17.34	17.15	17.54	23.31	≤ 23.98	Pass
11ac-VHT160	MCS0	50	5250	14.66	15.81	14.99	15.70	21.34	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	14.23	15.09	14.57	14.27	20.57	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	20.92	20.39	20.25	20.91	26.65	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	20.69	20.19	20.06	20.97	26.51	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	20.54	20.17	20.37	20.27	26.36	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	14.88	14.34	14.06	14.07	20.37	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	14.31	14.41	13.76	13.57	20.05	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	14.33	14.32	13.47	14.35	20.15	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	15.09	15.40	14.41	14.51	20.89	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	15.42	15.41	14.63	14.33	20.99	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	14.99	14.45	14.20	14.78	20.64	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	14.97	14.57	14.26	15.08	20.75	≤ 22.62	Pass
11ax-HE40	MCS0	38	5190	15.98	17.12	15.57	16.22	22.28	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	23.16	22.85	23.24	22.88	29.06	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	16.83	16.75	17.01	16.80	22.87	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	16.93	16.92	16.74	16.81	22.87	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	17.09	17.30	17.49	17.23	23.30	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	16.97	17.18	17.43	17.26	23.23	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.11	17.49	17.92	16.98	23.41	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	17.47	17.23	16.99	17.31	23.27	≤ 23.98	Pass
11ax-HE80	MCS0	42	5210	15.25	16.53	15.28	15.95	21.81	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	16.81	17.25	17.42	17.47	23.27	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	17.46	17.20	17.45	17.25	23.36	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	17.12	17.35	17.51	17.53	23.40	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	17.38	17.19	17.08	17.31	23.26	≤ 23.98	Pass
11ax-HE160	MCS0	50	5250	14.46	15.62	14.74	15.49	21.13	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	14.25	15.00	14.47	14.17	20.51	≤ 23.98	Pass

Note 1:

The Total Average Power (dBm) =  $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

Note 2:

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

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

For Channel 144 (5720MHz), Average Power Limit (dBm) =  $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$

## 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.

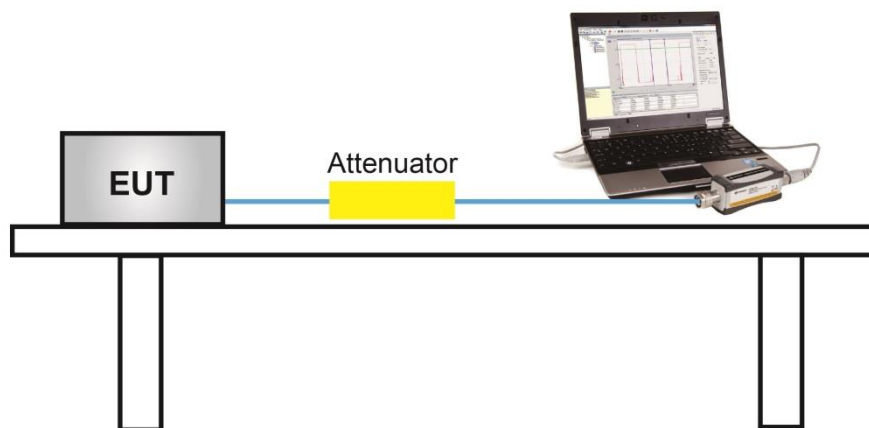
### 7.5.2. Test Procedure Used

KDB 789033 D02v01- 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.

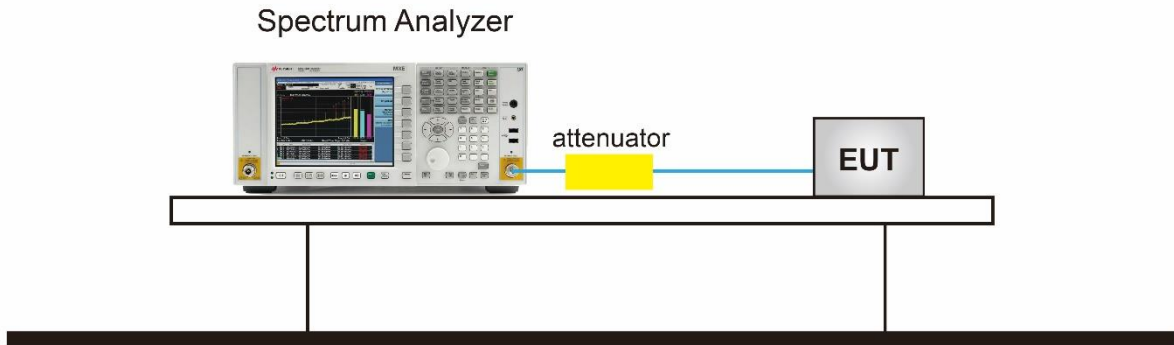
### 7.6.2. Test Procedure Used

KDB 789033 D02v02r01 - Section II)F

### 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	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/2/23/~2022/3/2
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	5.060	5.775	5.275	5.568	97.45%	11.561	≤ 12.28	Pass
11a	6Mbps	44	5220	4.704	5.825	5.097	5.250	97.45%	11.371	≤ 12.28	Pass
11a	6Mbps	48	5240	4.836	5.811	5.428	6.029	97.45%	11.682	≤ 12.28	Pass
11a	6Mbps	52	5260	-1.031	-0.192	-0.675	-0.315	97.45%	5.592	≤ 6.28	Pass
11a	6Mbps	60	5300	-1.106	-0.081	-0.837	-0.212	97.45%	5.595	≤ 6.28	Pass
11a	6Mbps	64	5320	-1.634	-0.203	-0.498	-0.660	97.45%	5.416	≤ 6.28	Pass
11a	6Mbps	100	5500	-0.504	0.071	-0.068	-0.101	97.45%	5.987	≤ 6.48	Pass
11a	6Mbps	116	5580	-0.854	-0.035	-0.967	-1.028	97.45%	5.431	≤ 6.48	Pass
11a	6Mbps	140	5700	-0.669	0.248	-0.319	-0.720	97.45%	5.785	≤ 6.48	Pass
11a	6Mbps	144	5720	-1.290	-0.129	-1.393	-0.794	97.45%	5.261	≤ 6.48	Pass
11ac-VHT20	MCS0	36	5180	4.708	6.037	5.153	5.753	85.31%	12.154	≤ 12.28	Pass
11ac-VHT20	MCS0	40	5220	4.099	4.911	4.213	4.573	85.31%	11.171	≤ 12.28	Pass
11ac-VHT20	MCS0	48	5240	5.310	5.661	5.495	5.717	85.31%	12.259	≤ 12.28	Pass
11ac-VHT20	MCS0	52	5260	-1.115	-0.380	-0.577	-0.203	85.31%	6.155	≤ 6.28	Pass
11ac-VHT20	MCS0	60	5300	-1.538	-0.296	-0.303	-0.965	85.31%	5.965	≤ 6.28	Pass
11ac-VHT20	MCS0	64	5320	-2.304	-0.423	-0.670	-1.362	85.31%	5.580	≤ 6.28	Pass
11ac-VHT20	MCS0	100	5500	-1.083	-0.182	-0.386	-0.170	85.31%	6.271	≤ 6.48	Pass
11ac-VHT20	MCS0	116	5580	-1.558	-0.094	-0.920	-1.777	85.31%	5.674	≤ 6.48	Pass
11ac-VHT20	MCS0	140	5700	-0.704	0.326	-1.203	-0.785	85.31%	6.157	≤ 6.48	Pass
11ac-VHT20	MCS0	144	5720	-1.337	-0.055	-1.290	-1.431	85.31%	5.721	≤ 6.48	Pass



Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	-0.121	2.238	1.034	2.032	85.20%	8.109	≤ 12.28	Pass
11ac-VHT40	MCS0	46	5230	4.636	4.900	3.878	4.863	85.20%	11.304	≤ 12.28	Pass
11ac-VHT40	MCS0	54	5270	-1.440	-0.725	-2.531	-1.002	85.20%	5.344	≤ 6.28	Pass
11ac-VHT40	MCS0	62	5310	-1.626	-1.722	-3.073	-1.780	85.20%	4.704	≤ 6.28	Pass
11ac-VHT40	MCS0	102	5510	-1.194	-1.639	-2.413	-1.108	85.20%	5.158	≤ 6.48	Pass
11ac-VHT40	MCS0	110	5550	-1.530	-1.705	-1.768	-1.179	85.20%	5.177	≤ 6.48	Pass
11ac-VHT40	MCS0	134	5670	-1.226	-0.826	-1.317	-1.447	85.20%	5.518	≤ 6.48	Pass
11ac-VHT40	MCS0	142	5710	-1.746	-0.406	-1.866	-0.972	85.20%	5.510	≤ 6.48	Pass
11ac-VHT80	MCS0	42	5210	-1.262	-0.104	-1.699	-0.701	85.95%	5.778	≤ 12.28	Pass
11ac-VHT80	MCS0	58	5290	-1.483	-0.198	-1.134	-0.332	85.95%	5.924	≤ 6.28	Pass
11ac-VHT80	MCS0	106	5530	-0.569	-0.035	-1.170	-0.412	85.95%	6.151	≤ 6.48	Pass
11ac-VHT80	MCS0	122	5610	-1.038	-0.089	-1.037	-1.147	85.95%	5.872	≤ 6.48	Pass
11ac-VHT80	MCS0	138	5690	-0.830	0.598	-0.639	-1.090	85.95%	6.238	≤ 6.48	Pass
11ac-VHT160	MCS0	50	5250	-5.063	-4.415	-4.395	-3.677	85.31%	2.351	≤ 6.28	Pass
11ac-VHT160	MCS0	114	5570	-5.506	-5.331	-5.886	-6.393	85.31%	0.950	≤ 6.48	Pass
11ax-HE20	MCS0	36	5180	4.603	5.481	4.636	4.940	86.35%	11.588	≤ 12.28	Pass
11ax-HE20	MCS0	44	5220	4.589	5.838	5.476	5.088	86.35%	11.930	≤ 12.28	Pass
11ax-HE20	MCS0	48	5240	4.773	5.837	4.887	5.286	86.35%	11.874	≤ 12.28	Pass
11ax-HE20	MCS0	52	5260	-0.852	-0.715	-0.216	-0.220	86.35%	6.167	≤ 6.28	Pass
11ax-HE20	MCS0	60	5300	-0.996	-0.084	-0.625	-0.238	86.35%	6.187	≤ 6.28	Pass
11ax-HE20	MCS0	64	5320	-1.408	-0.277	-1.016	-0.113	86.35%	5.987	≤ 6.28	Pass
11ax-HE20	MCS0	100	5500	-0.601	0.436	-0.799	-0.491	86.35%	6.321	≤ 6.48	Pass
11ax-HE20	MCS0	116	5580	-0.919	0.320	-0.559	-0.963	86.35%	6.159	≤ 6.48	Pass
11ax-HE20	MCS0	140	5700	-0.202	0.286	-0.774	-0.429	86.35%	6.395	≤ 6.48	Pass
11ax-HE20	MCS0	144	5720	-1.654	0.005	-0.598	-0.595	86.35%	5.987	≤ 6.48	Pass
11ax-HE40	MCS0	38	5190	2.762	2.808	0.698	1.896	85.85%	8.805	≤ 12.28	Pass
11ax-HE40	MCS0	46	5230	4.475	5.059	4.344	4.725	85.85%	11.343	≤ 12.28	Pass
11ax-HE40	MCS0	54	5270	-1.154	-1.206	-1.948	-1.247	85.85%	5.306	≤ 6.28	Pass
11ax-HE40	MCS0	62	5310	-1.849	-1.826	-2.445	-1.603	85.85%	4.763	≤ 6.28	Pass
11ax-HE40	MCS0	102	5510	-1.343	-1.651	-1.115	-0.965	85.85%	5.422	≤ 6.48	Pass
11ax-HE40	MCS0	110	5550	-1.163	-1.423	-1.714	-1.195	85.85%	5.315	≤ 6.48	Pass
11ax-HE40	MCS0	134	5670	-1.016	-0.615	-1.706	-1.702	85.85%	5.449	≤ 6.48	Pass
11ax-HE40	MCS0	142	5710	-1.479	-0.328	-1.760	-1.556	85.85%	5.440	≤ 6.48	Pass

Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE80	MCS0	42	5210	-2.026	-0.704	-1.089	-0.780	85.95%	5.559	≤ 12.28	Pass
11ax-HE80	MCS0	58	5290	-0.707	-0.113	-1.012	-0.483	85.95%	6.112	≤ 6.28	Pass
11ax-HE80	MCS0	106	5530	-1.083	-0.199	-0.755	-0.798	85.95%	5.981	≤ 6.48	Pass
11ax-HE80	MCS0	122	5610	-1.921	-1.558	-1.381	-0.848	85.95%	5.269	≤ 6.48	Pass
11ax-HE80	MCS0	122	5690	-1.606	0.076	-1.377	-0.944	85.95%	5.765	≤ 6.48	Pass
11ax-HE160	MCS0	50	5250	-4.306	-3.799	-3.842	-3.369	85.31%	2.894	≤ 6.28	Pass
11ax-HE160	MCS0	114	5570	-6.079	-5.308	-6.052	-6.168	85.31%	0.823	≤ 6.48	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(Ant\ 0\ PSD/10)} + 10^{(Ant\ 1\ PSD/10)} + 10^{(Ant\ 2\ PSD/10)} + 10^{(Ant\ 3\ PSD/10)}\}$  (dBm/MHz).

When EUT duty cycle < 98%,

the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(Ant\ 0\ PSD/10)} + 10^{(Ant\ 1\ PSD/10)} + 10^{(Ant\ 2\ PSD/10)} + 10^{(Ant\ 3\ PSD/10)}\} + 10 \cdot \log (1/Duty\ Cycle)$ (dBm/MHz).

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (10.72 - 6) = 12.28dBm/MHz.

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (10.72 - 6) = 6.28dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (10.52 - 6) = 6.48dBm/MHz.

Note 3: The power level of Beamforming mode is not greater than CDD mode, so only CDD mode result was shown in this section.

Product	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/2/23/~2022/3/2
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Ant 2 PSD (dBm/510KHz)	Ant 3 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	10.523	10.484	9.285	9.518	97.45%	16.121	≤ 25.48	Pass
11a	6Mbps	157	5785	10.635	10.712	9.718	10.140	97.45%	16.452	≤ 25.48	Pass
11a	6Mbps	165	5825	10.391	10.438	9.757	9.374	97.45%	16.145	≤ 25.48	Pass
11ac-VHT20	MCS0	149	5745	9.360	9.416	9.550	8.716	85.31%	15.983	≤ 25.48	Pass
11ac-VHT20	MCS0	157	5785	9.675	9.513	9.785	8.989	85.31%	16.212	≤ 25.48	Pass
11ac-VHT20	MCS0	165	5825	9.833	9.115	10.137	9.209	85.31%	16.305	≤ 25.48	Pass
11ac-VHT40	MCS0	151	5755	6.225	6.606	6.154	5.599	85.20%	12.877	≤ 25.48	Pass
11ac-VHT40	MCS0	159	5795	6.548	7.742	6.140	6.519	85.20%	13.497	≤ 25.48	Pass
11ac-VHT80	MCS0	155	5775	1.213	2.695	1.180	1.742	85.95%	8.430	≤ 25.48	Pass
11ax-HE20	MCS0	149	5745	10.213	10.365	9.672	9.251	86.35%	16.556	≤ 25.48	Pass
11ax-HE20	MCS0	157	5785	9.884	10.461	9.862	10.013	86.35%	16.720	≤ 25.48	Pass
11ax-HE20	MCS0	165	5825	10.595	10.502	9.920	9.865	86.35%	16.891	≤ 25.48	Pass
11ax-HE40	MCS0	151	5755	6.367	6.410	6.228	6.760	85.85%	13.129	≤ 25.48	Pass
11ax-HE40	MCS0	159	5795	6.304	6.686	6.663	6.359	85.85%	13.190	≤ 25.48	Pass
11ax-HE80	MCS0	155	5775	1.525	2.584	10.160	1.346	85.95%	12.410	≤ 25.48	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/510kHz) =  $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/510kHz).

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) =  $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/510kHz) +  $10 \cdot \log (1/\text{Duty Cycle})$ .

Note 2: PSD Limit (dBm/500kHz) = 30 - (10.52 - 6) = 25.48dBm/500kHz.

Note 3: The power level of Beamforming mode is not greater than CDD mode, so only CDD mode result was shown in this section.



Product	AX5400 Ceiling Mount Wi-Fi 6 Access Point	Test Engineer	Eric Lin
Test Site	SR5	Test Date	2022/3/18/~2022/3/22
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode_Nss = 4		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/M Hz)	Ant 1 PSD (dBm/M Hz)	Ant 2 PSD (dBm/M Hz)	Ant 3 PSD (dBm/M Hz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	10.799	10.343	10.741	10.624	97.45%	16.763	≤ 17.00	Pass
11a	6Mbps	44	5220	10.524	10.805	10.202	10.697	97.45%	16.696	≤ 17.00	Pass
11a	6Mbps	48	5240	10.406	10.686	10.634	10.367	97.45%	16.658	≤ 17.00	Pass
11a	6Mbps	52	5260	4.819	4.554	4.212	4.632	97.45%	10.693	≤ 11.00	Pass
11a	6Mbps	60	5300	4.468	4.896	4.602	4.517	97.45%	10.757	≤ 11.00	Pass
11a	6Mbps	64	5320	4.591	4.737	4.439	4.428	97.45%	10.683	≤ 11.00	Pass
11a	6Mbps	100	5500	4.629	4.602	4.672	4.402	97.45%	10.710	≤ 11.00	Pass
11a	6Mbps	116	5580	4.577	4.313	4.734	4.569	97.45%	10.684	≤ 11.00	Pass
11a	6Mbps	140	5700	4.843	4.749	4.552	4.594	97.45%	10.819	≤ 11.00	Pass
11a	6Mbps	144	5720	4.651	4.662	4.683	4.630	97.45%	10.789	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	10.075	10.073	10.101	10.038	85.31%	16.782	≤ 17.00	Pass
11ac-VHT20	MCS0	40	5220	10.101	10.078	10.215	10.250	85.31%	16.872	≤ 17.00	Pass
11ac-VHT20	MCS0	48	5240	10.239	10.092	10.065	10.257	85.31%	16.875	≤ 17.00	Pass
11ac-VHT20	MCS0	52	5260	4.153	3.974	4.062	4.075	85.31%	10.777	≤ 11.00	Pass
11ac-VHT20	MCS0	60	5300	4.241	4.098	4.320	4.346	85.31%	10.963	≤ 11.00	Pass
11ac-VHT20	MCS0	64	5320	4.467	3.998	4.265	4.145	85.31%	10.933	≤ 11.00	Pass
11ac-VHT20	MCS0	100	5500	4.414	4.189	4.156	4.016	85.31%	10.907	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	4.369	4.069	4.110	4.222	85.31%	10.905	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	4.439	4.046	4.048	4.015	85.31%	10.851	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	4.271	4.088	4.303	4.099	85.31%	10.902	≤ 11.00	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/M Hz)	Ant 1 PSD (dBm/M Hz)	Ant 2 PSD (dBm/M Hz)	Ant 3 PSD (dBm/M Hz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	2.572	2.777	2.839	2.335	85.20%	9.351	≤ 17.00	Pass
11ac-VHT40	MCS0	46	5230	9.972	10.117	10.172	10.285	85.20%	16.854	≤ 17.00	Pass
11ac-VHT40	MCS0	54	5270	4.274	4.068	4.092	4.271	85.20%	10.894	≤ 11.00	Pass
11ac-VHT40	MCS0	62	5310	4.162	4.129	4.061	4.166	85.20%	10.846	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	3.309	3.269	3.371	3.603	85.20%	10.106	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	3.019	3.068	3.412	3.139	85.20%	9.878	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	3.196	3.668	3.251	3.001	85.20%	10.002	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	3.456	4.181	4.265	3.662	85.20%	10.621	≤ 11.00	Pass
11ac-VHT80	MCS0	42	5210	-0.594	-0.519	-0.960	-0.337	85.95%	6.081	≤ 17.00	Pass
11ac-VHT80	MCS0	58	5290	0.711	0.633	0.832	0.447	85.95%	7.336	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	0.058	0.023	0.198	0.234	85.95%	6.807	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	0.294	0.239	0.655	0.735	85.95%	7.164	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	0.634	0.530	0.643	0.432	85.95%	7.239	≤ 11.00	Pass
11ac-VHT160	MCS0	50	5250	-3.865	-2.976	-3.021	-2.587	85.31%	3.623	≤ 11.00	Pass
11ac-VHT160	MCS0	114	5570	-5.881	-5.004	-4.918	-5.225	85.31%	1.470	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	10.337	10.043	10.243	10.343	86.35%	16.901	≤ 17.00	Pass
11ax-HE20	MCS0	44	5220	10.104	10.127	10.153	10.271	86.35%	16.822	≤ 17.00	Pass
11ax-HE20	MCS0	48	5240	10.311	10.271	10.086	10.278	86.35%	16.895	≤ 17.00	Pass
11ax-HE20	MCS0	52	5260	4.167	4.113	4.158	4.119	86.35%	10.797	≤ 11.00	Pass
11ax-HE20	MCS0	60	5300	4.390	4.101	4.015	4.277	86.35%	10.856	≤ 11.00	Pass
11ax-HE20	MCS0	64	5320	4.331	4.039	4.050	4.125	86.35%	10.796	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	4.259	4.005	4.014	4.179	86.35%	10.774	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	4.168	4.126	4.071	4.234	86.35%	10.808	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	4.296	4.155	4.002	4.093	86.35%	10.796	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	4.144	4.195	4.150	4.176	86.35%	10.824	≤ 11.00	Pass

Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE40	MCS0	38	5190	3.354	3.145	3.162	3.235	85.85%	9.908	≤ 17.00	Pass
11ax-HE40	MCS0	46	5230	10.246	10.012	10.255	10.122	85.85%	16.843	≤ 17.00	Pass
11ax-HE40	MCS0	54	5270	4.003	4.140	4.033	4.151	85.85%	10.765	≤ 11.00	Pass
11ax-HE40	MCS0	62	5310	4.043	4.010	4.220	4.079	85.85%	10.772	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	3.111	3.134	3.700	3.251	85.85%	9.989	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	3.358	3.200	4.005	3.521	85.85%	10.215	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	3.302	4.113	4.012	3.447	85.85%	10.416	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	3.551	3.288	4.002	3.261	85.85%	10.219	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	-0.341	0.345	0.044	0.089	85.95%	6.719	≤ 17.00	Pass
11ax-HE80	MCS0	58	5290	1.119	0.402	1.065	1.327	85.95%	7.670	≤ 11.00	Pass
11ax-HE80	MCS0	106	5530	0.197	0.902	0.962	0.482	85.95%	7.325	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	0.384	0.631	0.513	0.734	85.95%	7.246	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	0.754	0.681	0.739	0.882	85.95%	7.443	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-4.499	-3.779	-3.522	-3.445	85.31%	2.919	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-5.790	-5.128	-5.363	-5.753	85.31%	1.211	≤ 11.00	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/MHz).

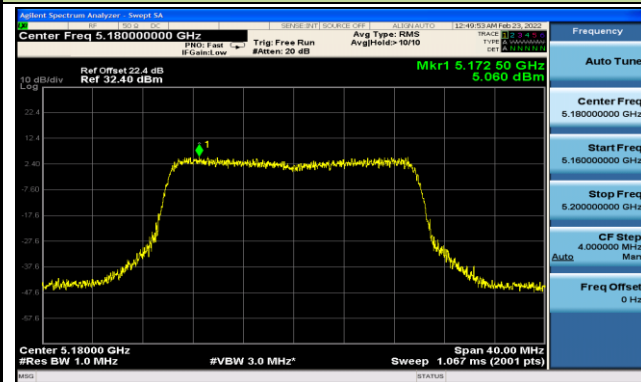
When EUT duty cycle < 98%,

the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$  (dBm/MHz).

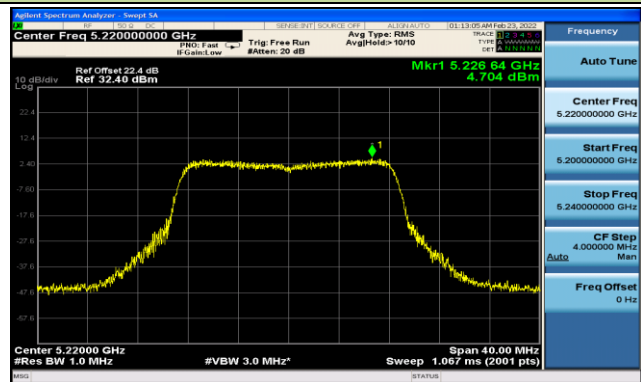
Note 2: The power level of Beamforming mode is not greater than CDD mode, so only CDD mode result was shown in this section.

## 802.11a Power Spectral Density - Ant 0

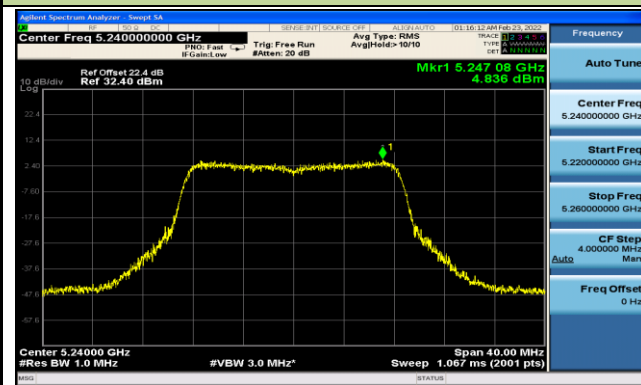
Channel 36 (5180MHz)



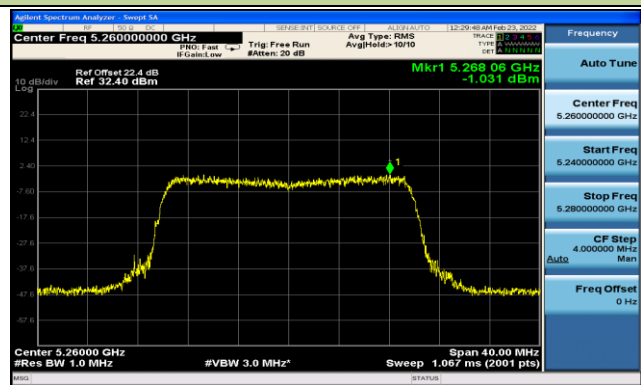
Channel 44 (5220MHz)



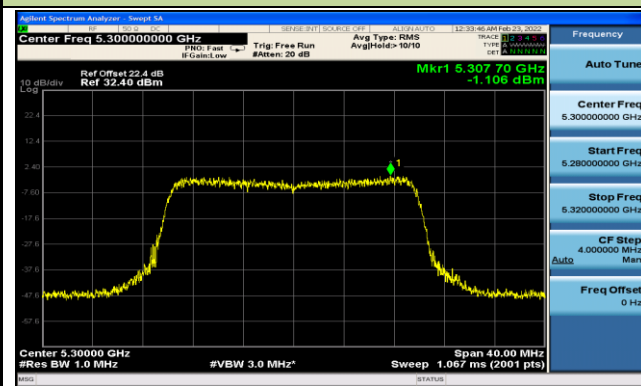
Channel 48 (5240MHz)



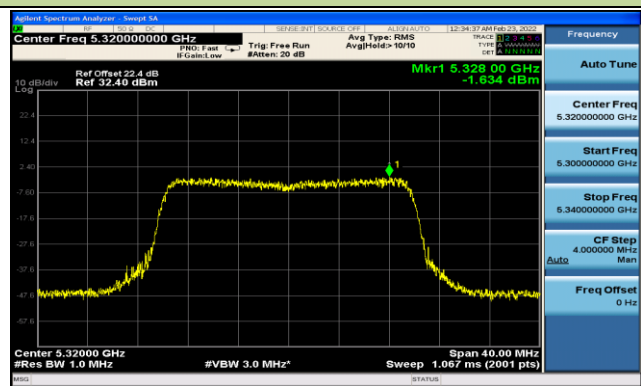
Channel 52 (5260MHz)



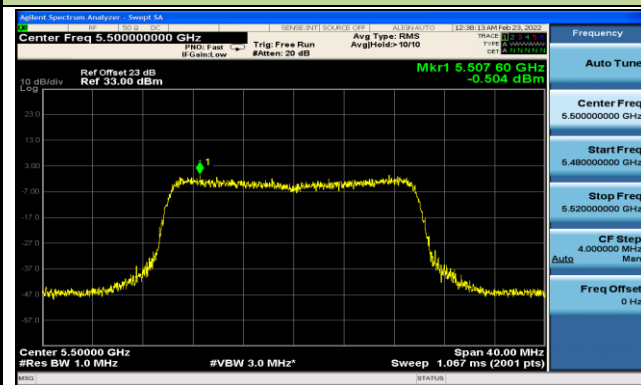
Channel 60 (5300MHz)



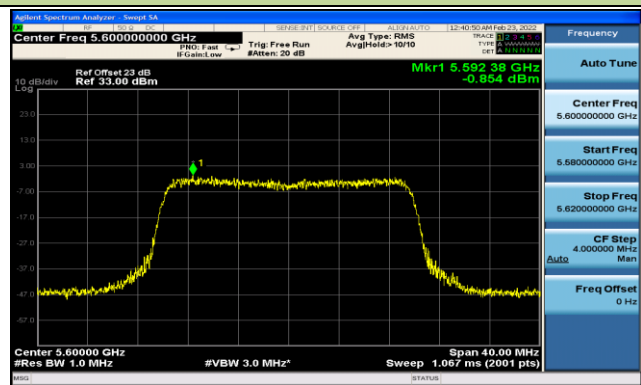
Channel 64 (5320MHz)



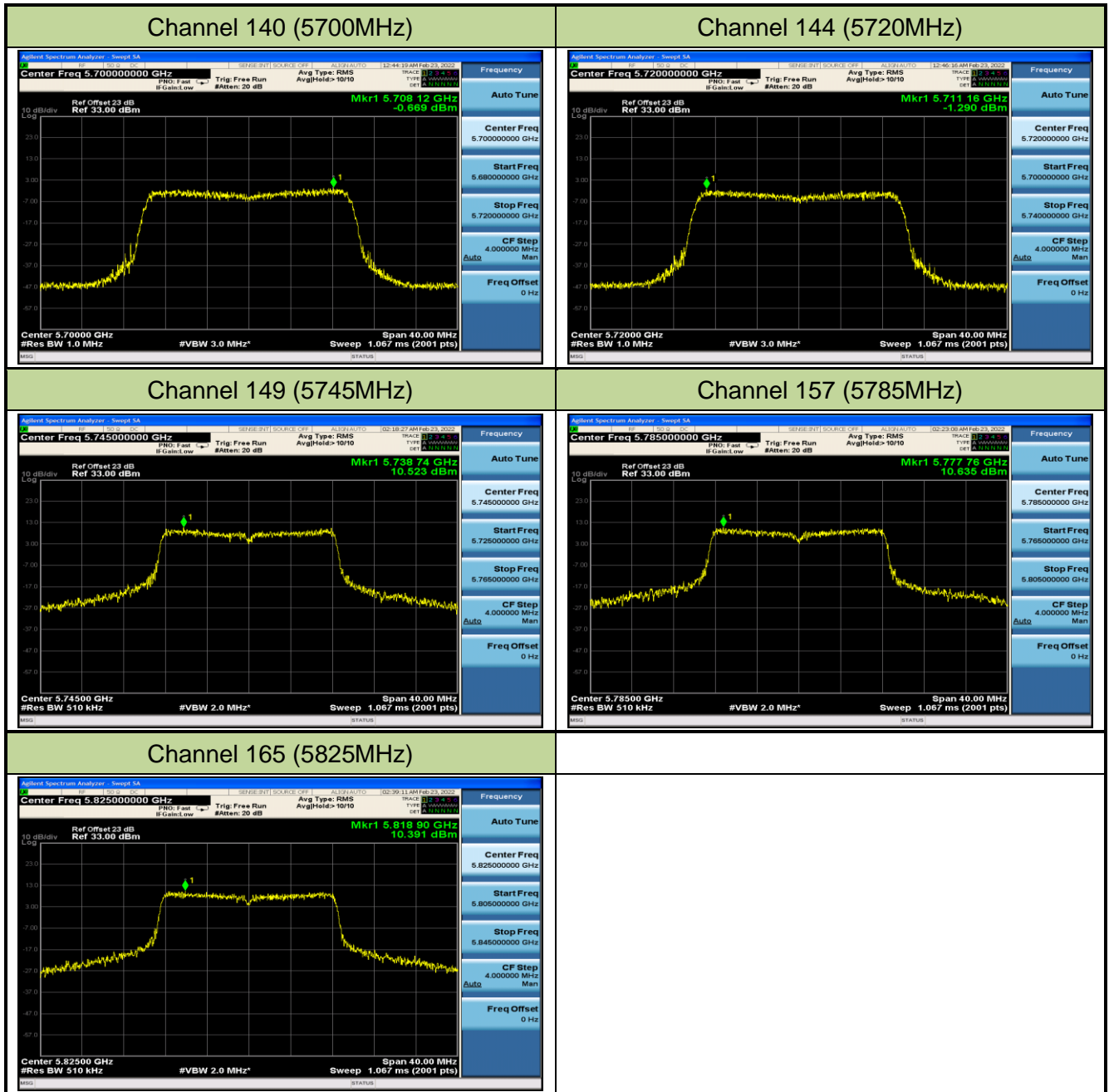
Channel 100 (5500MHz)



Channel 116 (5580MHz)

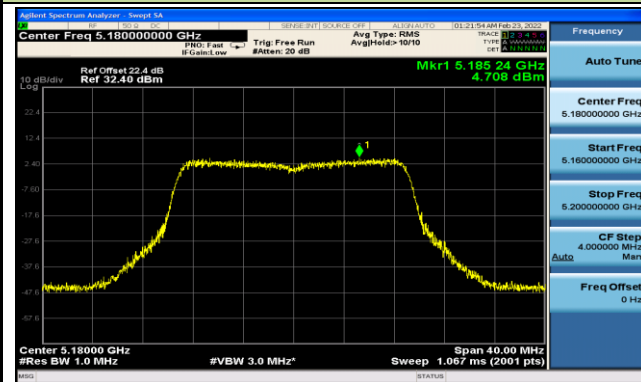




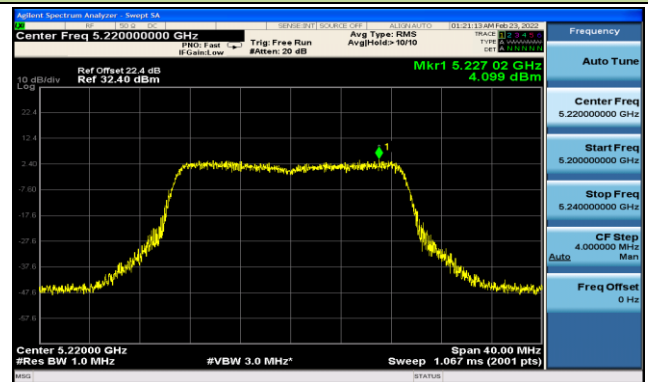


## 802.11ac-VHT20 Power Spectral Density - Ant 0

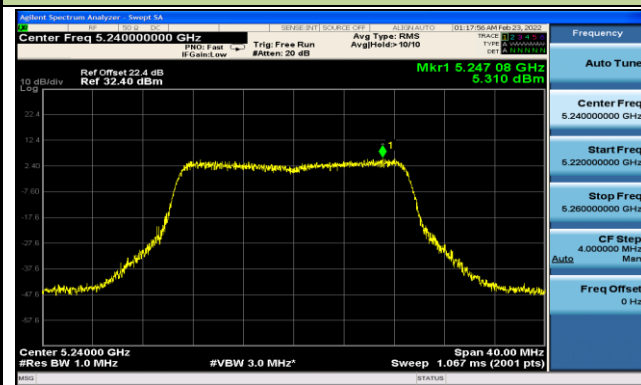
Channel 36 (5180MHz)



Channel 44 (5220MHz)



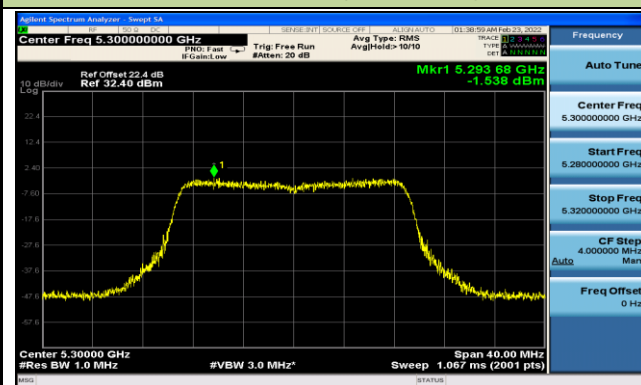
Channel 48 (5240MHz)



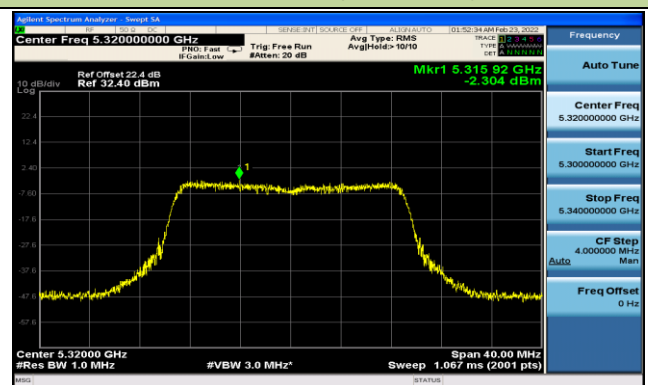
Channel 52 (5260MHz)



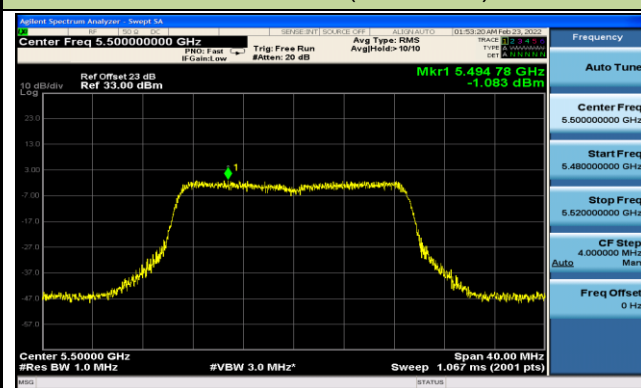
Channel 60 (5300MHz)



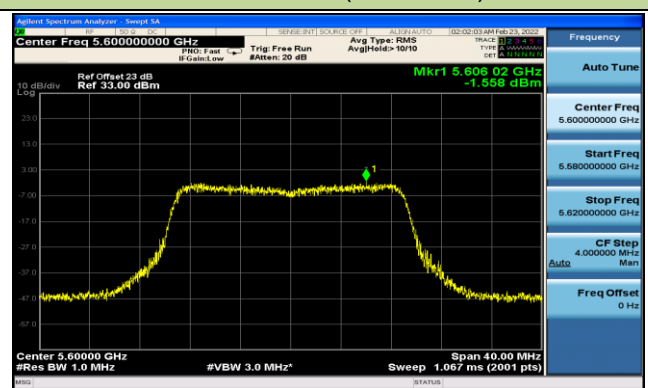
Channel 64 (5320MHz)

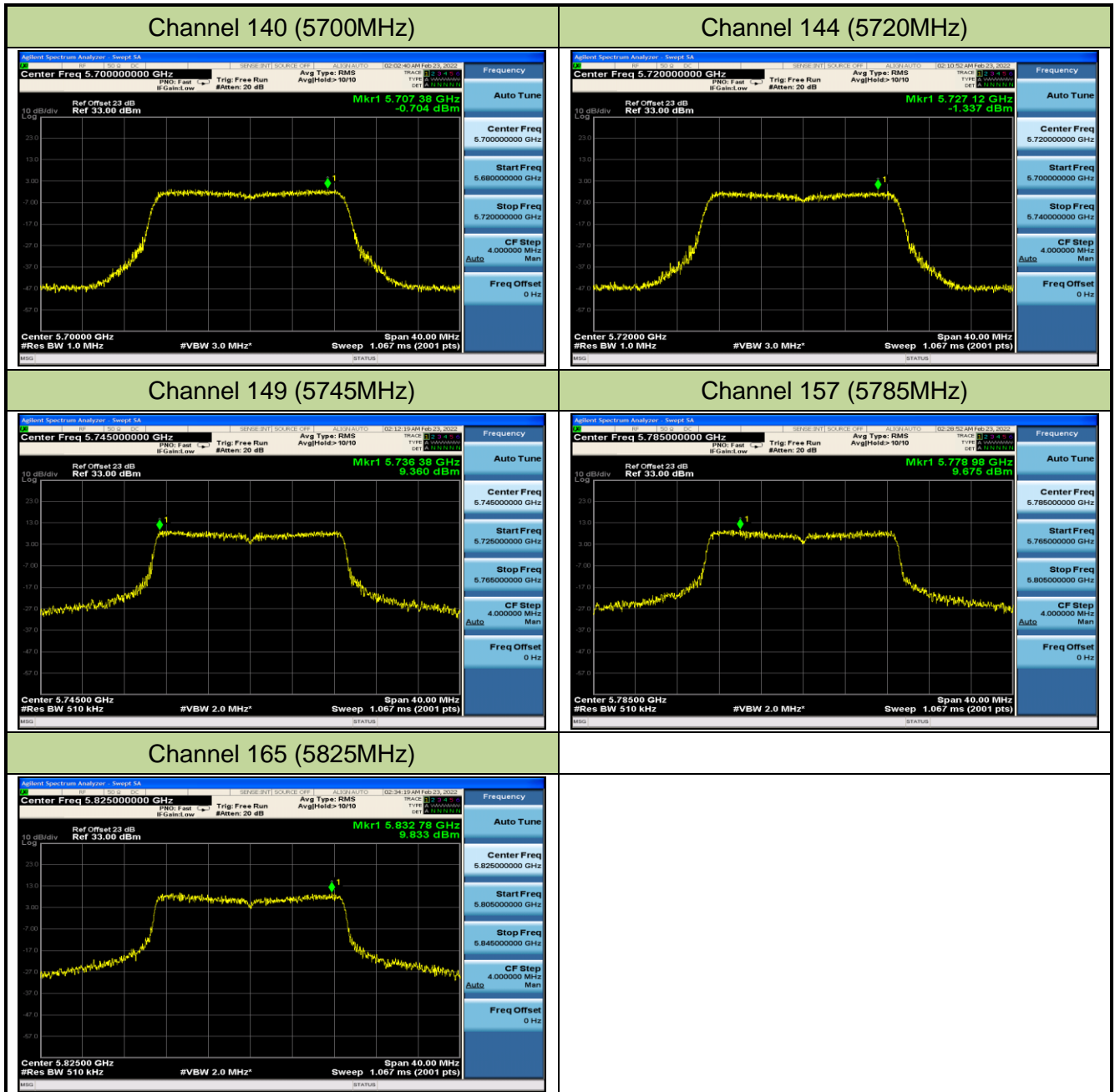


Channel 100 (5500MHz)



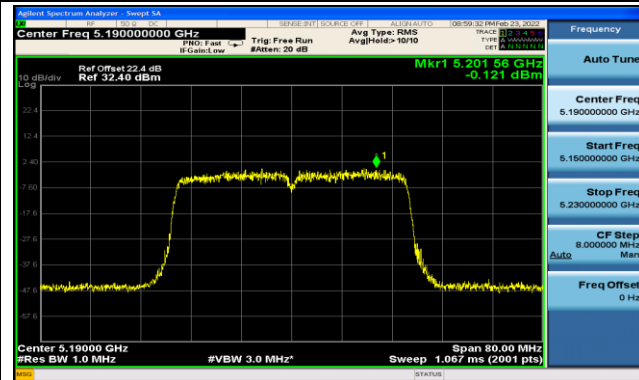
Channel 116 (5580MHz)



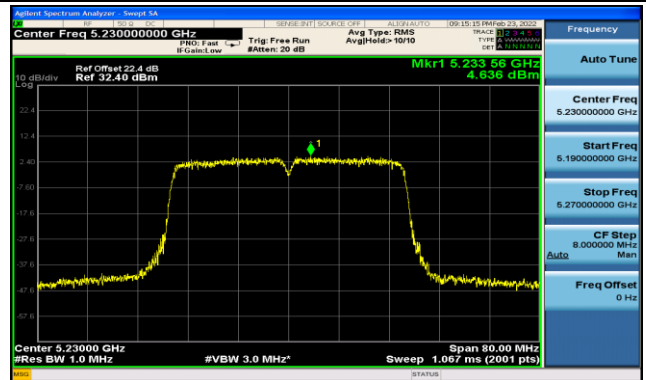


802.11ac-VHT40 Power Spectral Density - Ant 0

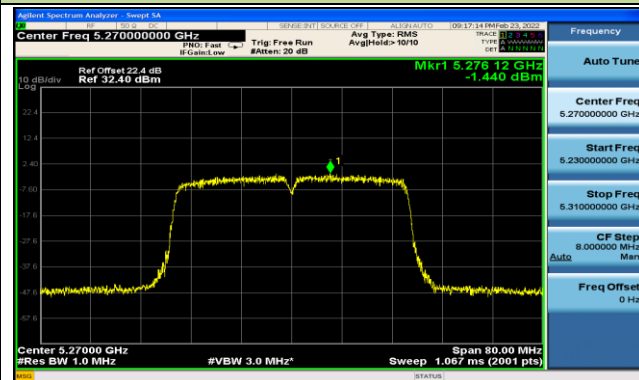
Channel 38 (5190MHz)



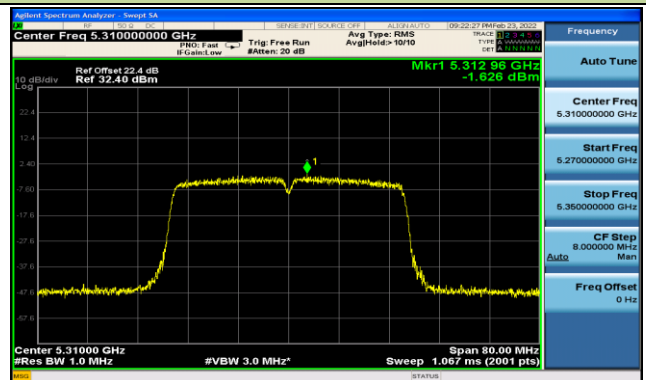
Channel 46 (5230MHz)



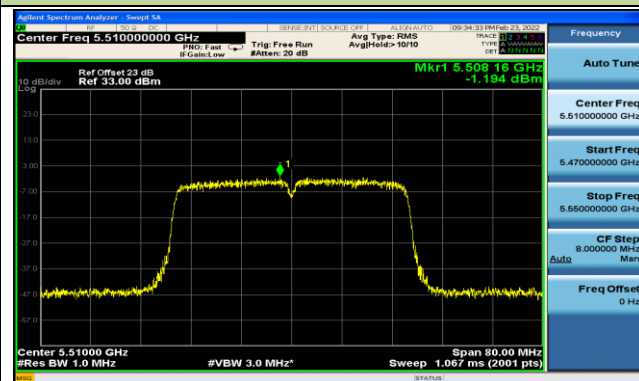
Channel 54 (5270MHz)



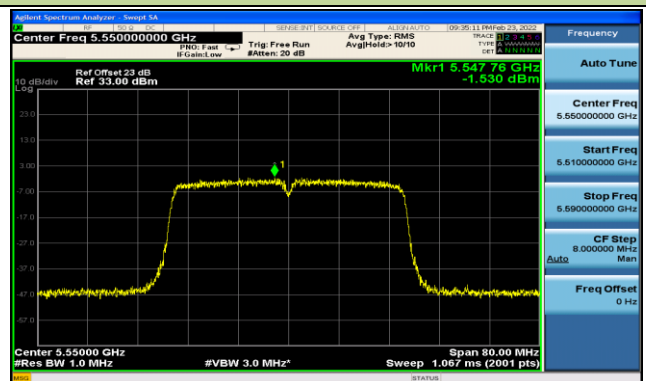
Channel 62 (5310MHz)



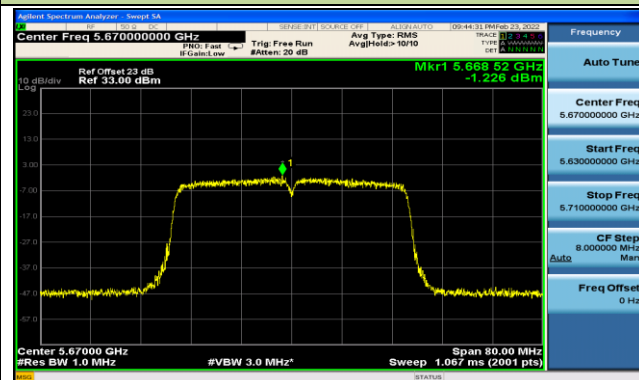
Channel 102 (5510MHz)



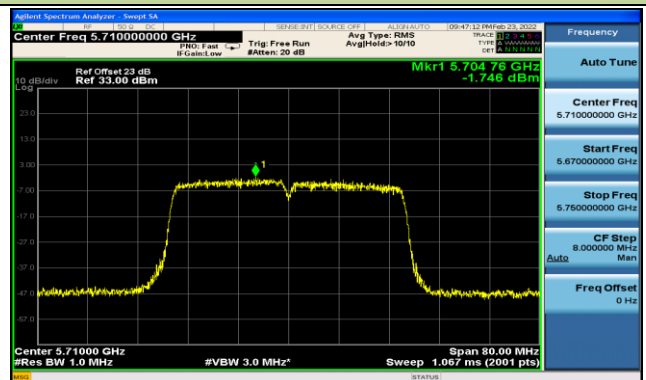
Channel 110 (5550MHz)

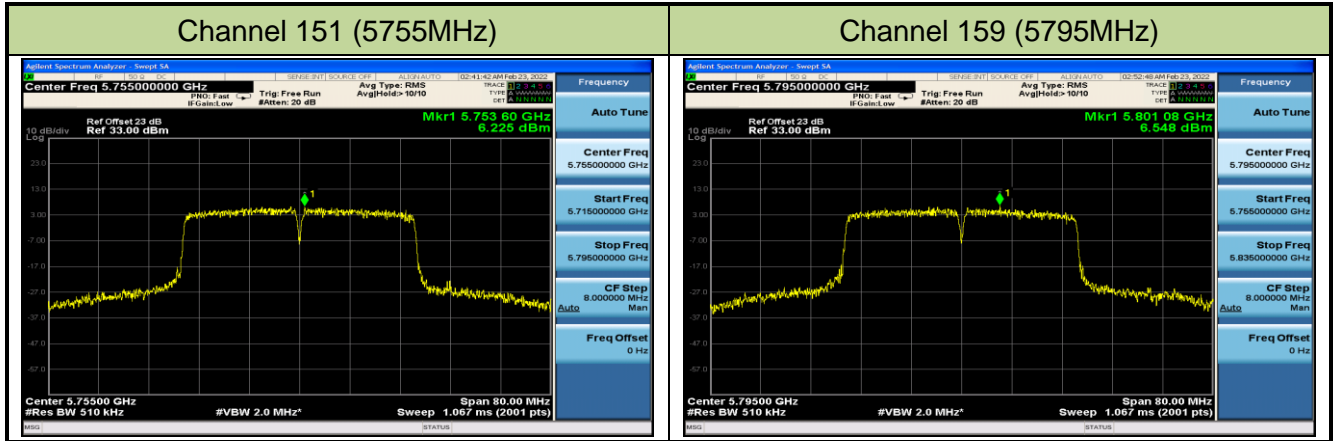


Channel 134 (5670MHz)



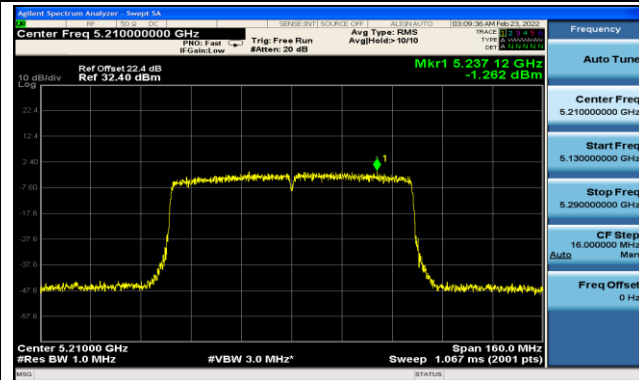
Channel 142 (5710MHz)



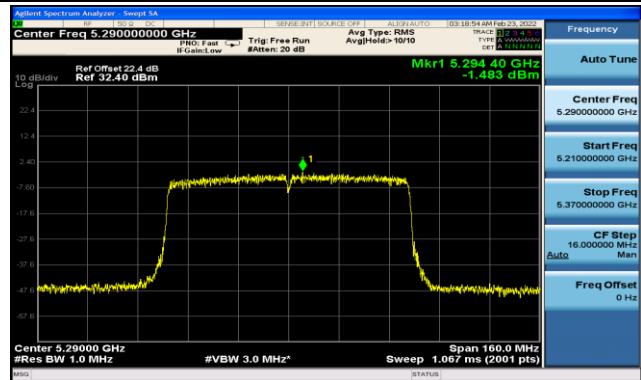


802.11ac-VHT80 Power Spectral Density - Ant 0

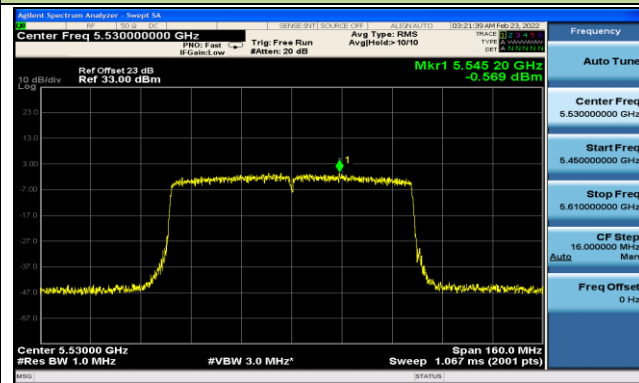
Channel 42 (5210MHz)



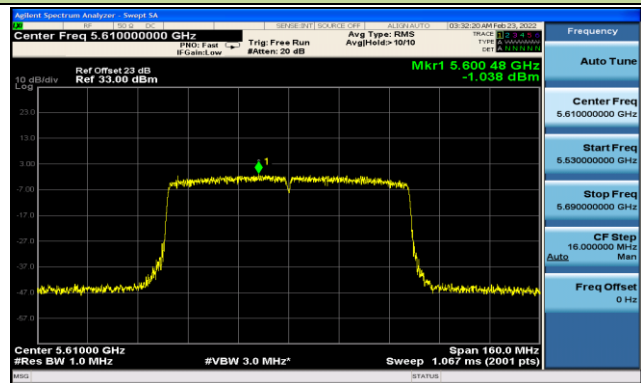
Channel 58 (5290MHz)



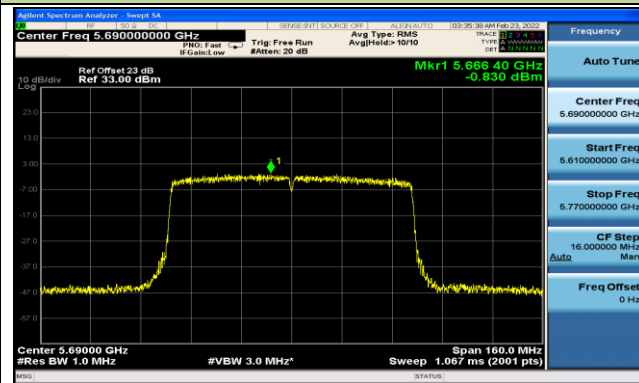
Channel 106 (5530MHz)



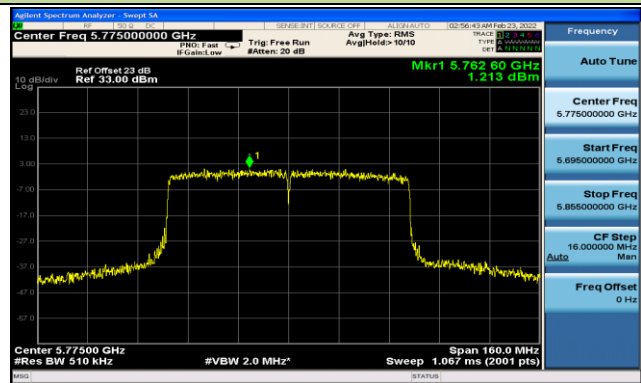
Channel 122 (5610MHz)



Channel 138 (5690MHz)

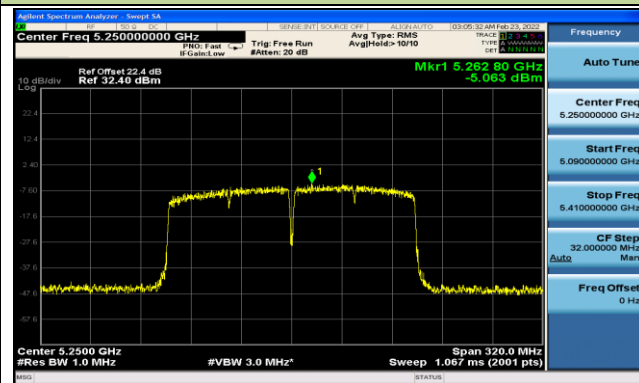


Channel 155 (5775MHz)

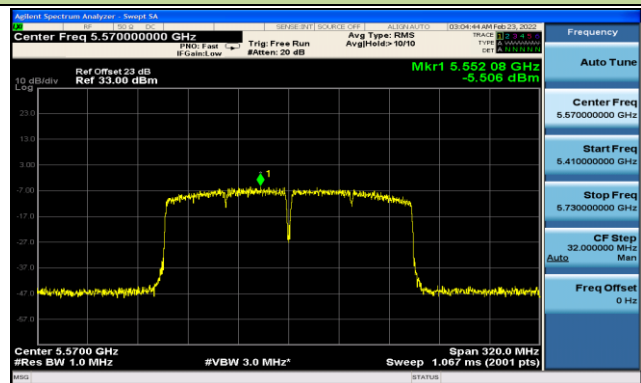


802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 50 (5250MHz)

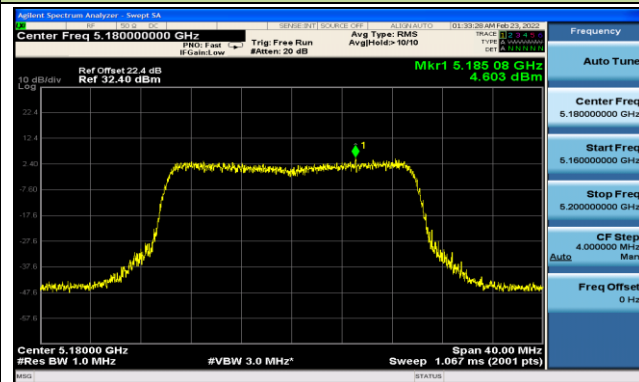


Channel 114 (5570MHz)

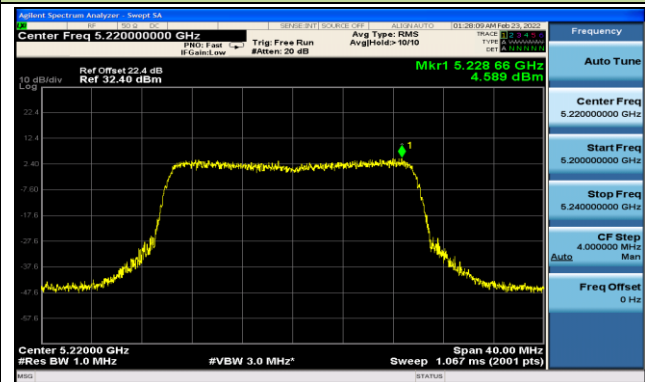


802.11ax-HE20 Power Spectral Density - Ant 0

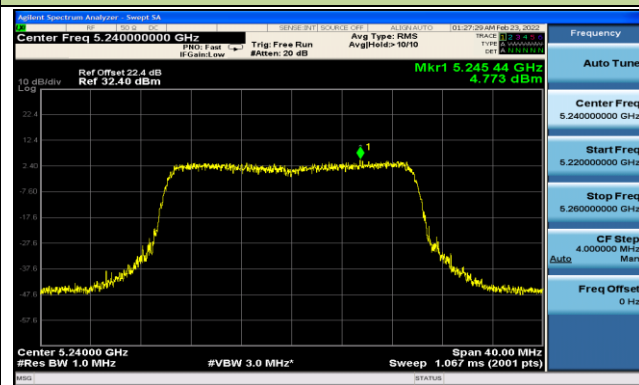
Channel 36 (5180MHz)



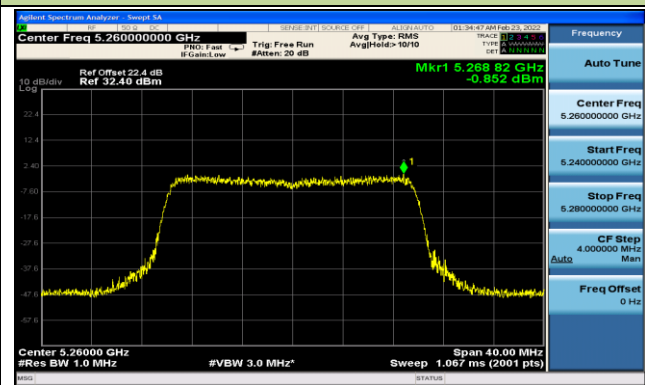
Channel 44 (5220MHz)



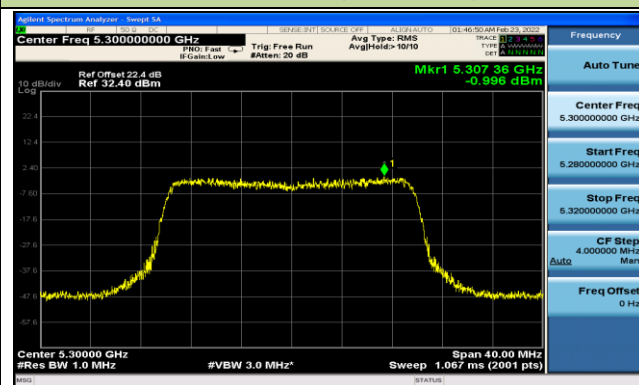
Channel 48 (5240MHz)



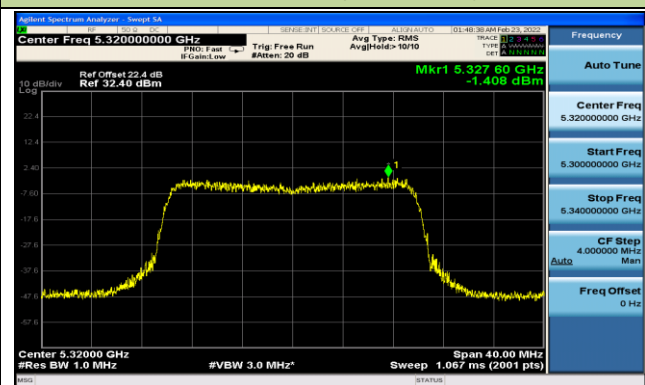
Channel 52 (5260MHz)



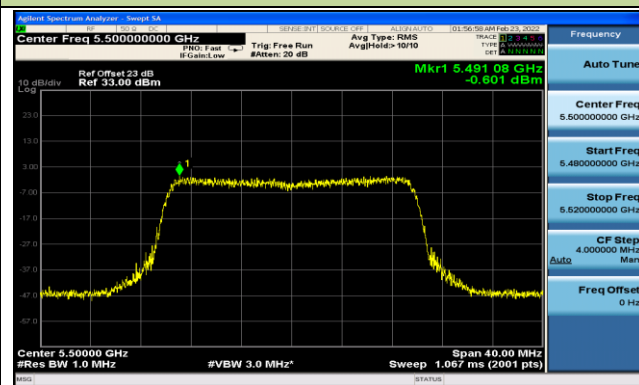
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

