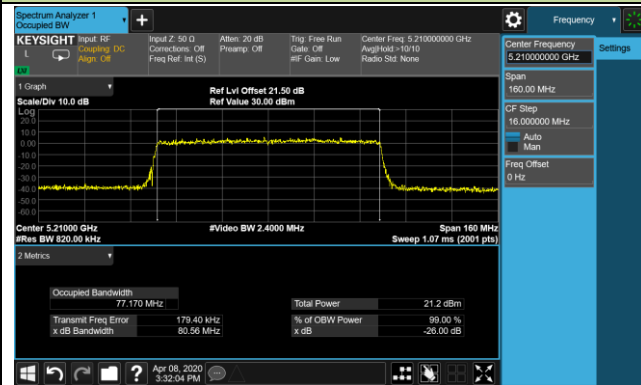
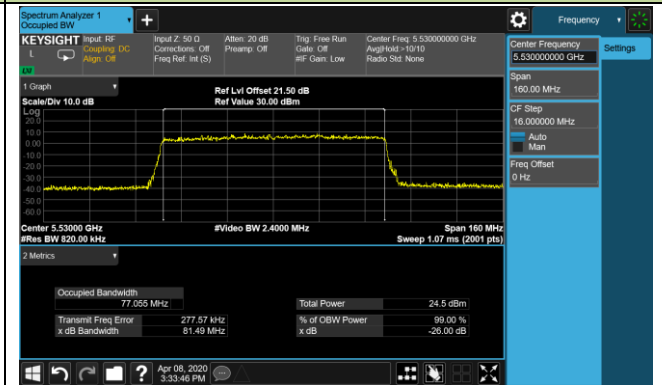


8802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

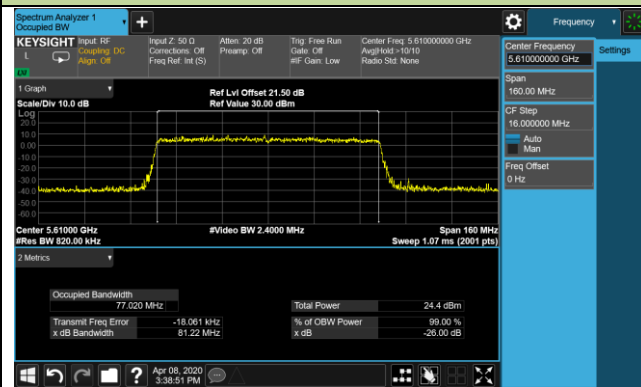
Channel 42 (5210MHz)



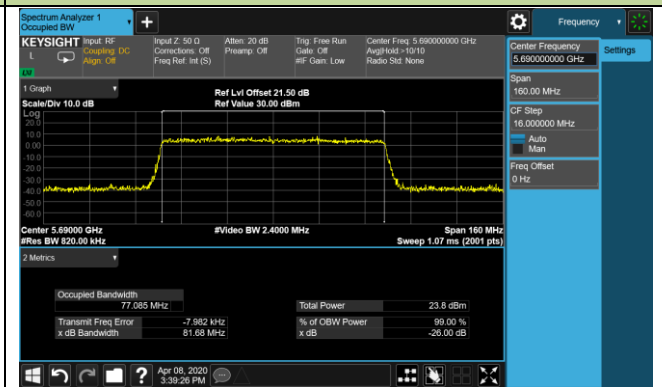
Channel 106 (5530MHz)



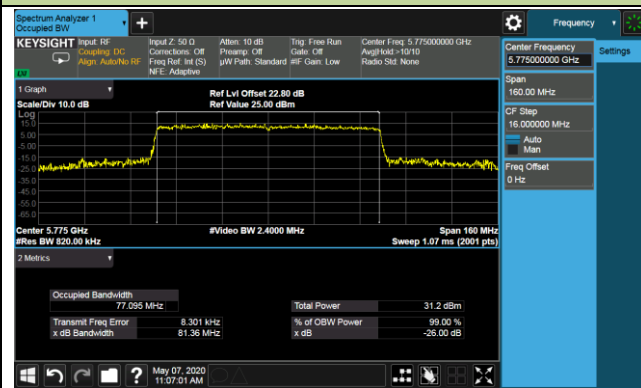
Channel 122 (5610MHz)



Channel 138 (5690MHz)

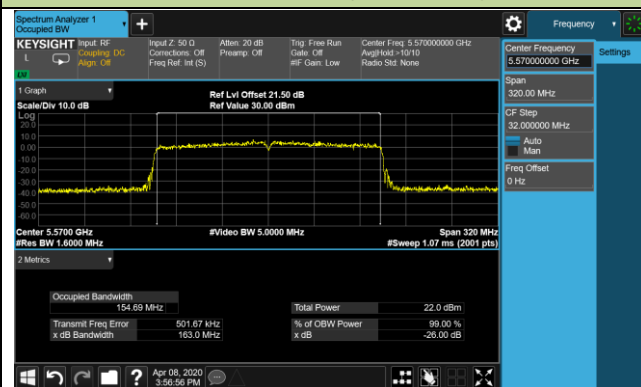


Channel 155 (5775MHz)



802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 114 (5570MHz)

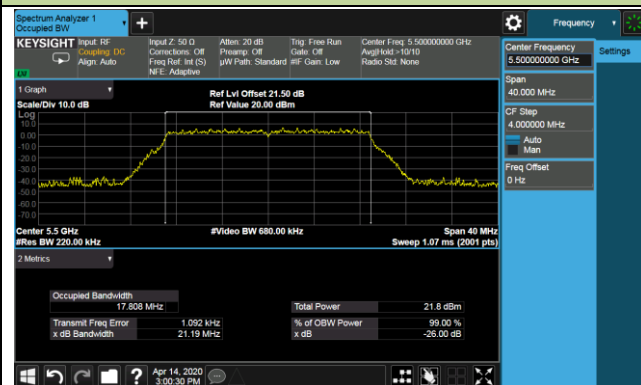


Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	24 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	48 ~ 56%
Test Site	SR1	Test Date	2020/04/14
Test Mode	U-NII-2C (N _{SS} =2)		

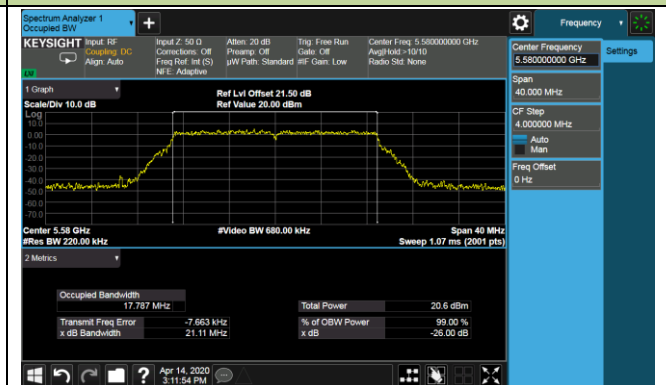
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 1 / Ant 0 + 1 + 2 + 3					
802.11ac-VHT20	MCS0	100	5500	21.19	17.81
802.11ac-VHT20	MCS0	116	5580	21.11	17.79
802.11ac-VHT20	MCS0	140	5700	21.26	17.80
802.11ac-VHT20	MCS0	144	5720	21.22	17.78
802.11ac-VHT40	MCS0	102	5510	39.39	36.24
802.11ac-VHT40	MCS0	110	5550	39.19	36.28
802.11ac-VHT40	MCS0	134	5670	39.35	36.30
802.11ac-VHT40	MCS0	142	5710	39.55	36.30
802.11ac-VHT80	MCS0	106	5530	80.66	75.54
802.11ac-VHT80	MCS0	122	5610	80.28	75.71
802.11ac-VHT80	MCS0	138	5690	80.93	75.51
802.11ac-VHT160	MCS0	114	5570	163.30	153.33
802.11ax-HE20	MCS0	100	5500	21.35	19.04
802.11ax-HE20	MCS0	116	5580	21.35	18.99
802.11ax-HE20	MCS0	140	5700	21.36	18.99
802.11ax-HE20	MCS0	144	5720	21.10	18.98
802.11ax-HE40	MCS0	102	5510	39.29	37.49
802.11ax-HE40	MCS0	110	5550	39.90	37.43
802.11ax-HE40	MCS0	134	5670	39.36	37.50
802.11ax-HE40	MCS0	142	5710	39.47	37.62
802.11ax-HE80	MCS0	106	5530	80.75	76.74
802.11ax-HE80	MCS0	122	5610	80.71	76.83
802.11ax-HE80	MCS0	138	5690	79.28	76.87
802.11ax-HE160	MCS0	114	5570	163.10	154.48

802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth

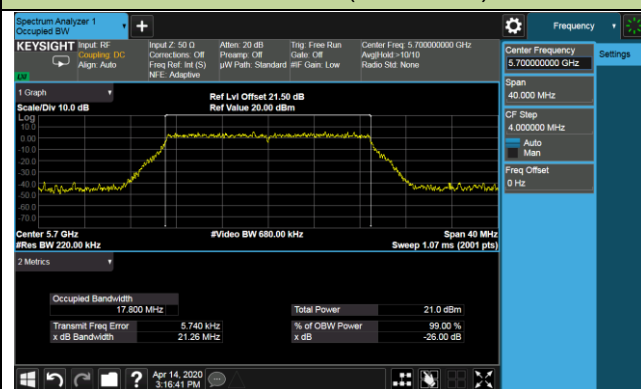
Channel 100 (5500MHz)



Channel 120 (5580MHz)



Channel 140 (5700MHz)

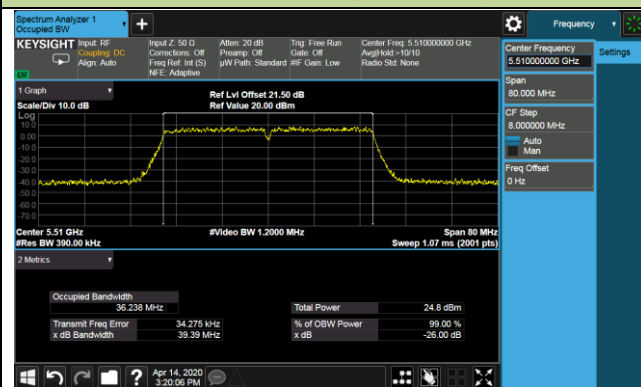


Channel 144 (5720MHz)

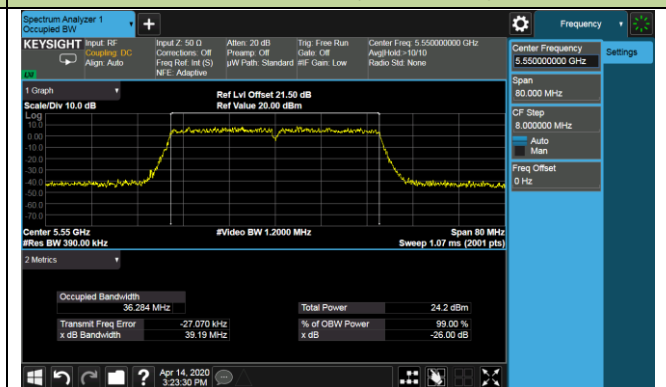


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth

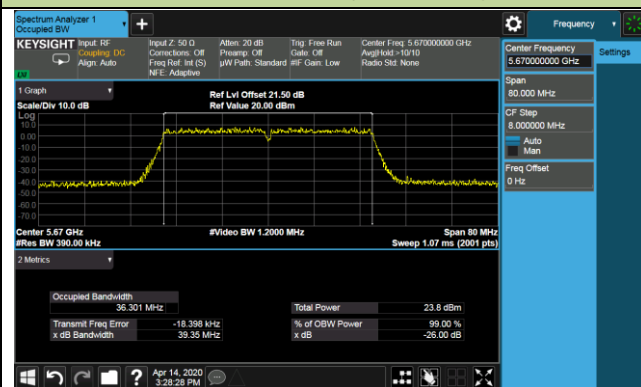
Channel 102 (5510MHz)



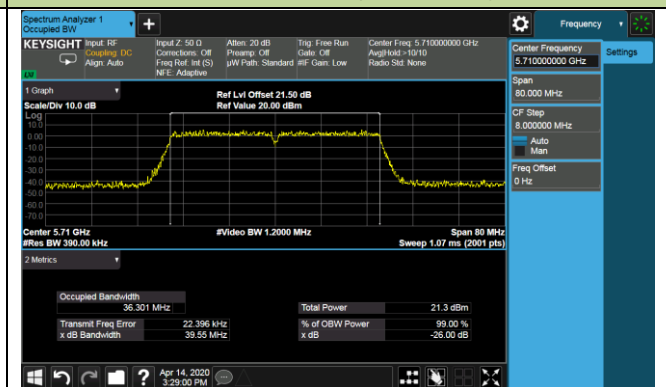
Channel 110 (5550MHz)



Channel 134 (5670MHz)

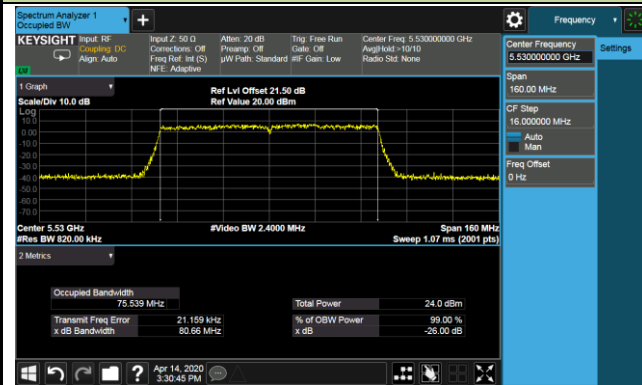


Channel 142 (5710MHz)

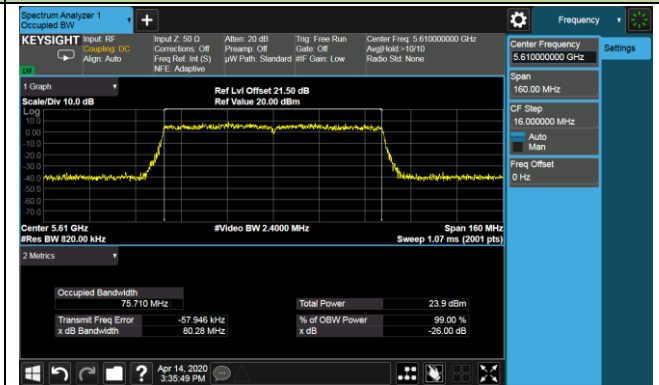


802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth

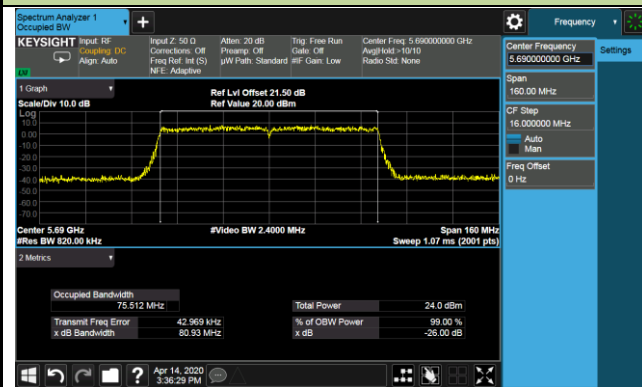
Channel 106 (5530MHz)



Channel 122 (5610MHz)

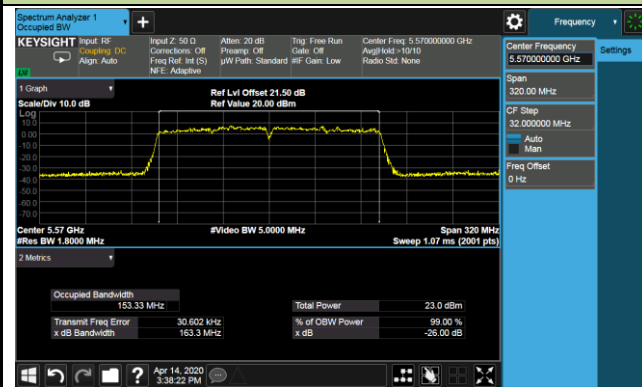


Channel 138 (5690MHz)



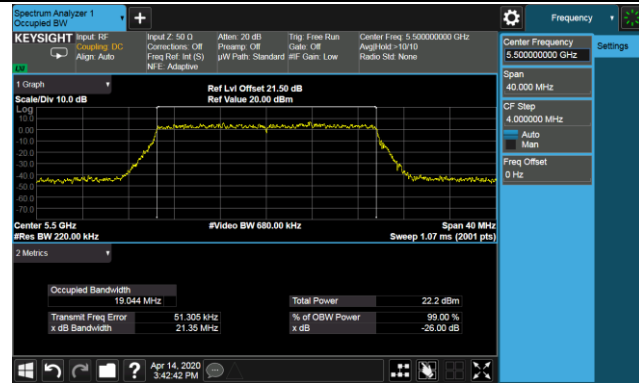
802.11ac-VHT160 26dB Bandwidth & 99% Bandwidth

Channel 114 (5570MHz)

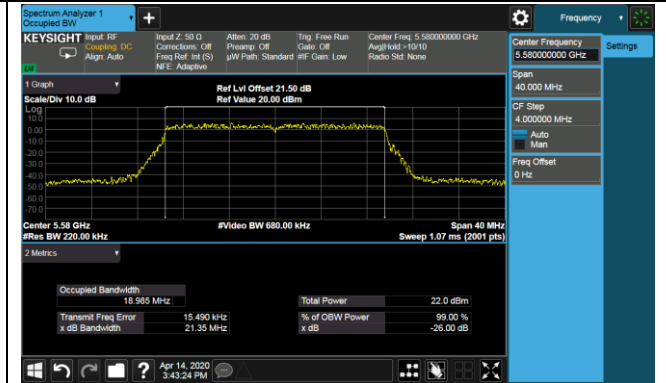


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth - Ant 2 / Ant 1+ 2 +3 +4

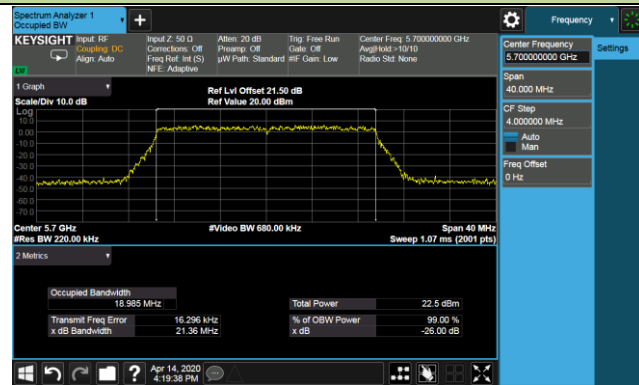
Channel 100 (5500MHz)



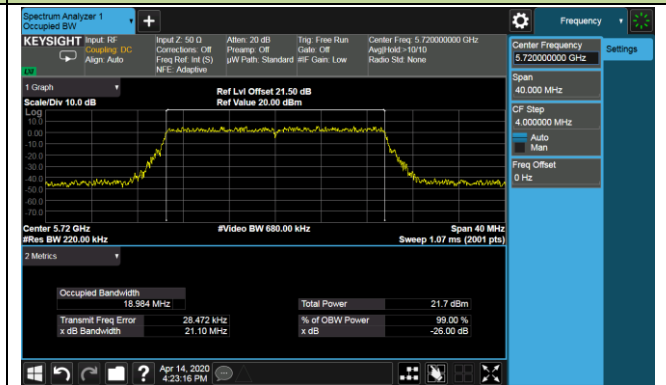
Channel 116 (5580MHz)



Channel 140 (5700MHz)

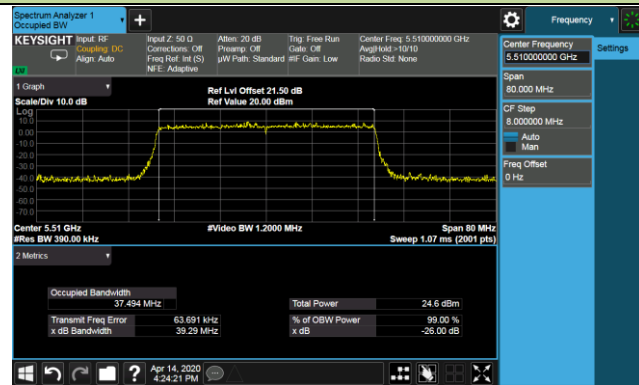


Channel 144 (5720MHz)

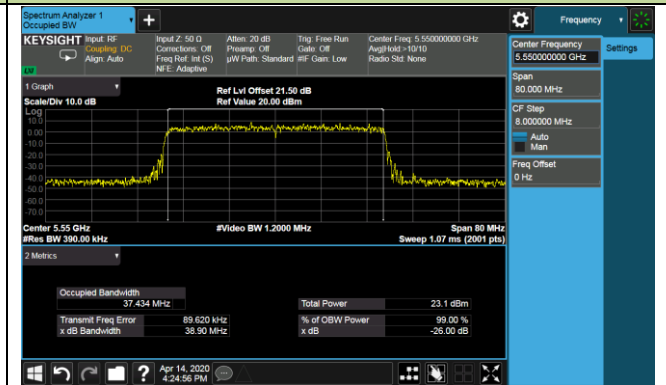


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth - Ant 2 / Ant 1+ 2 +3 +4

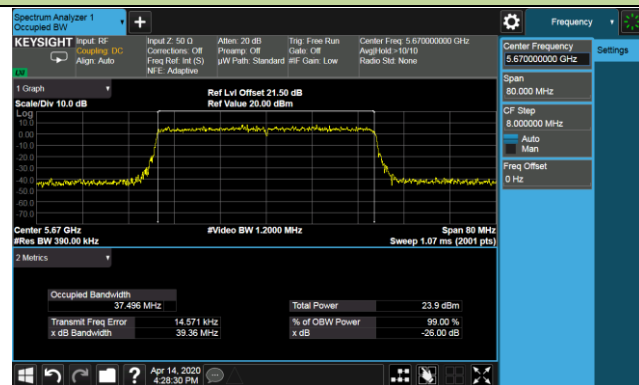
Channel 102 (5510MHz)



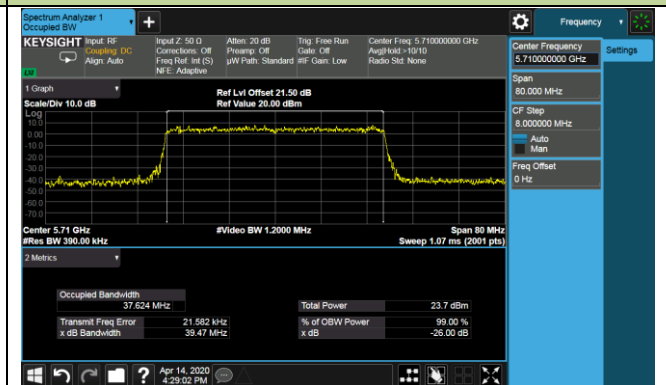
Channel 110 (5550MHz)



Channel 134 (5670MHz)

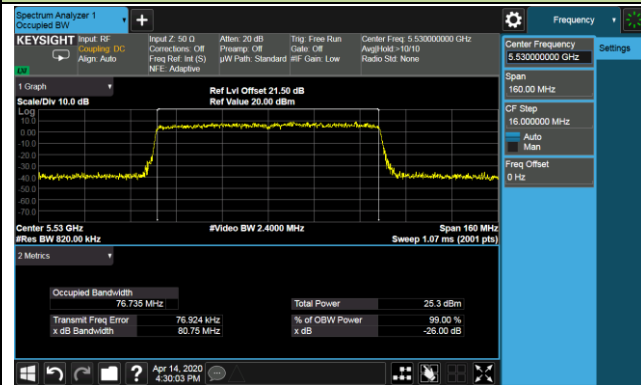


Channel 142 (5710MHz)

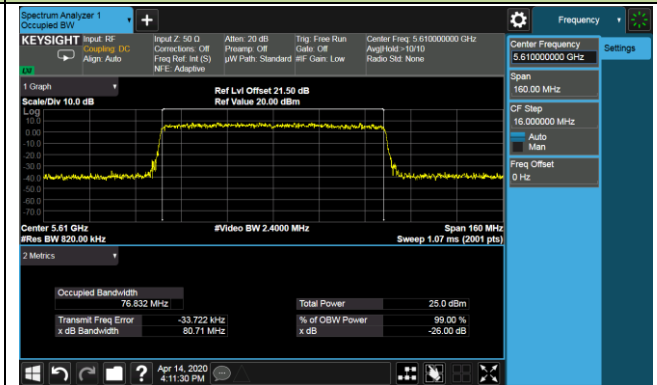


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth - Ant 2 / Ant 1+ 2 +3 +4

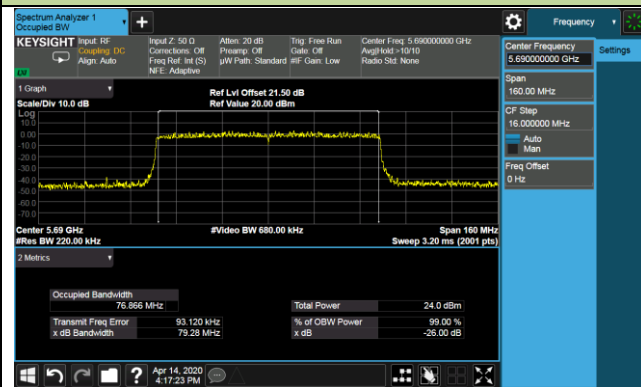
Channel 106 (5530MHz)



Channel 122 (5610MHz)

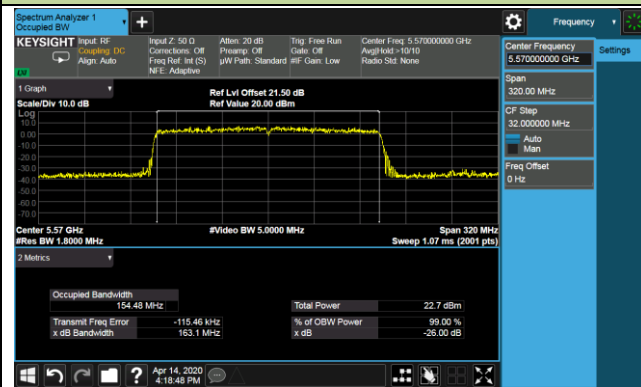


Channel 138 (5690MHz)



802.11ax-HE160 26dB Bandwidth & 99% Bandwidth - Ant 2 / Ant 1+ 2 +3 +4

Channel 114 (5570MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

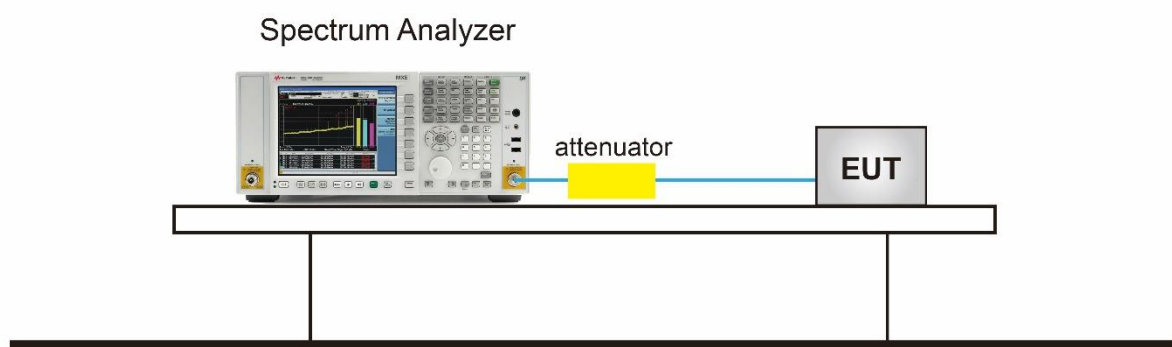
7.3.2. Test Procedure used

KDB 789033 D02v02r01 - Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $\geq 3 \times$ 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



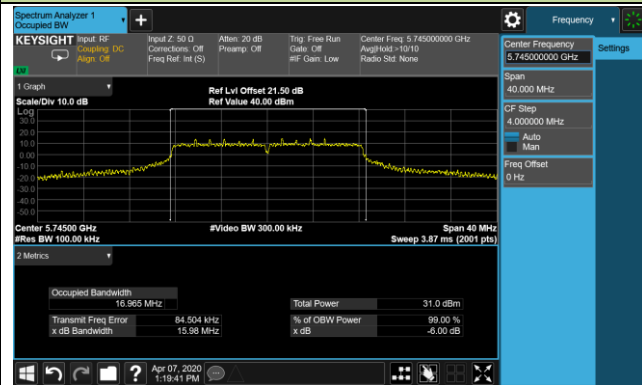
7.3.5. Test Result

Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	SR1	Test Date	2020/04/07
Test Mode	U-NII-3		

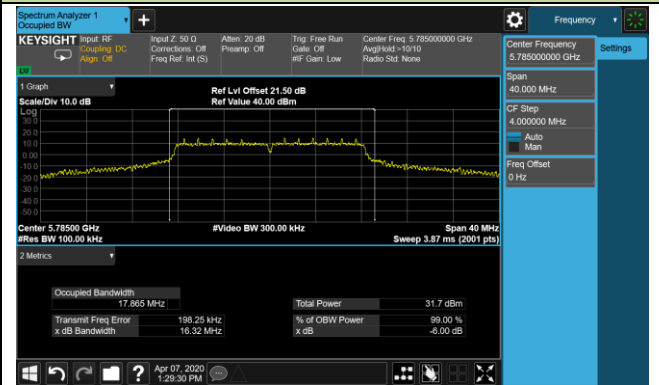
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1 / Ant 0 + 1 + 2 + 3						
802.11a	6Mbps	149	5745	15.98	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.32	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.33	≥ 0.5	Pass
802.11ac-VHT20	NSS2MCS0	149	5745	17.56	≥ 0.5	Pass
802.11ac-VHT20	NSS2MCS0	157	5785	17.63	≥ 0.5	Pass
802.11ac-VHT20	NSS2MCS0	165	5825	17.33	≥ 0.5	Pass
802.11ac-VHT40	NSS2MCS0	151	5755	36.36	≥ 0.5	Pass
802.11ac-VHT40	NSS2MCS0	159	5795	36.37	≥ 0.5	Pass
802.11ac-VHT80	NSS2MCS0	155	5775	75.31	≥ 0.5	Pass
802.11ax-HE20	NSS2MCS0	149	5745	18.63	≥ 0.5	Pass
802.11ax-HE20	NSS2MCS0	157	5785	18.90	≥ 0.5	Pass
802.11ax-HE20	NSS2MCS0	165	5825	18.91	≥ 0.5	Pass
802.11ax-HE40	NSS2MCS0	151	5755	36.02	≥ 0.5	Pass
802.11ax-HE40	NSS2MCS0	159	5795	36.30	≥ 0.5	Pass
802.11ax-HE80	NSS2MCS0	155	5775	75.79	≥ 0.5	Pass

802.11a 6dB Bandwidth

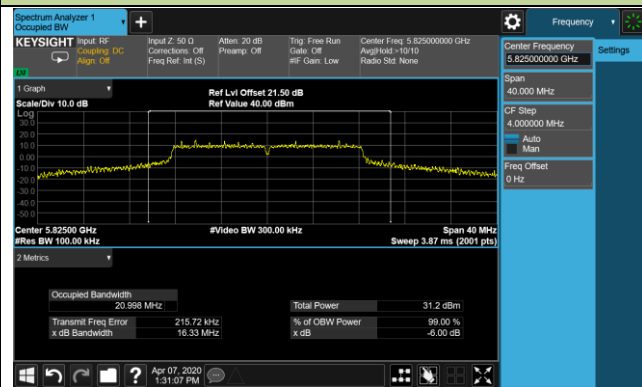
Channel 149 (5745MHz)



Channel 157 (5785MHz)

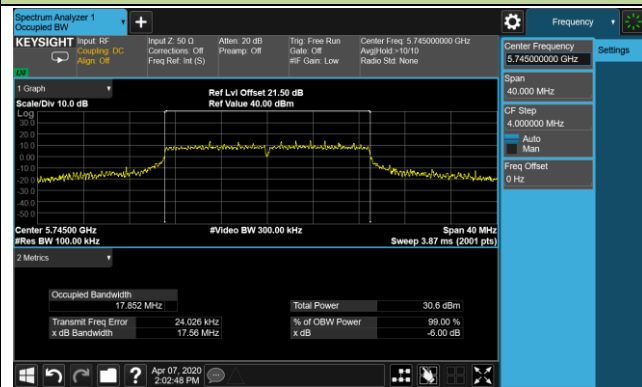


Channel 165 (5825MHz)

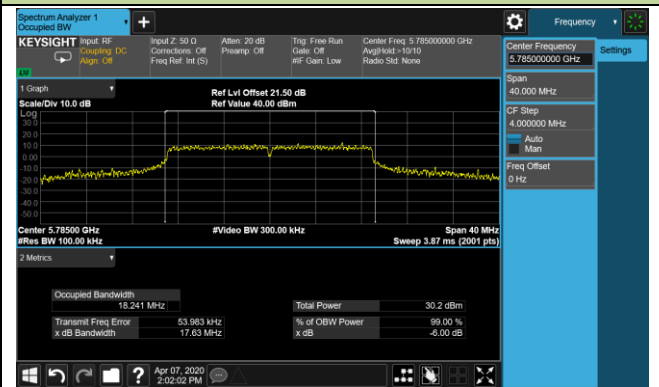


802.11ac-VHT20 6dB Bandwidth

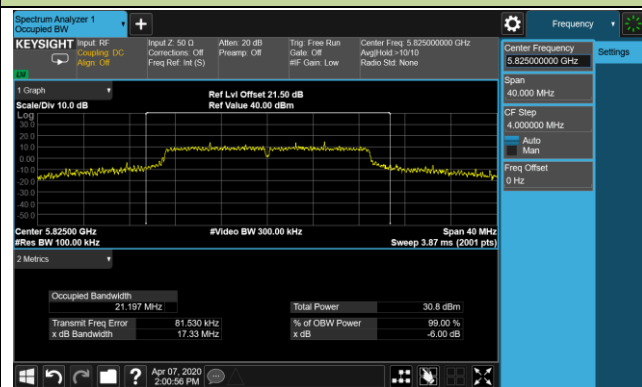
Channel 149 (5745MHz)



Channel 157 (5785MHz)

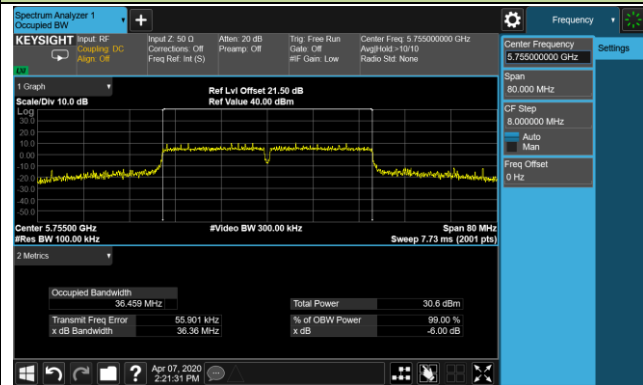


Channel 165 (5825MHz)

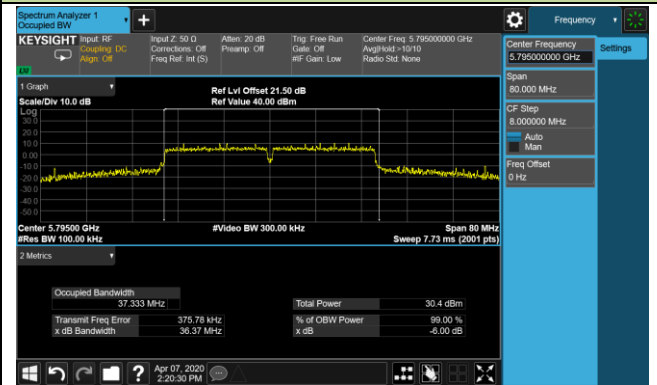


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

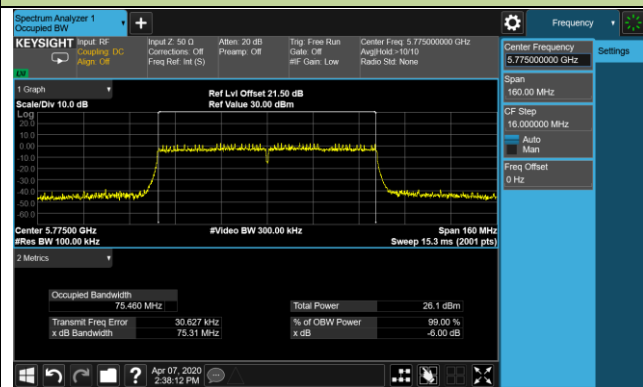


Channel 159 (5795MHz)



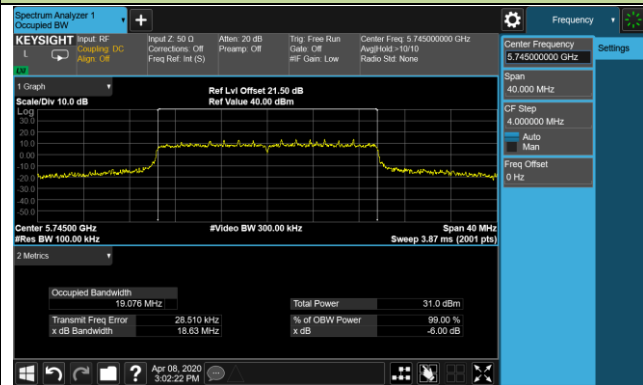
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

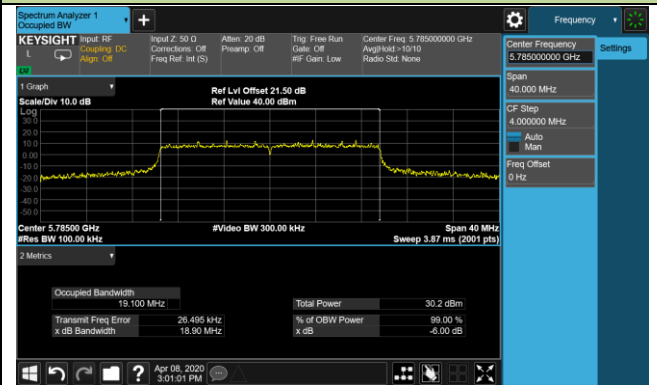


802.11ax-HE20 6dB Bandwidth

Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)																									
<p>Channel 165 (5825MHz)</p> <p>Center Frequency: 5.825000000 GHz Span: 40.000000 MHz CF Step: 4.000000 MHz #Video BW: 300.00 kHz Sweep: 3.87 ms (2001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>19.190 MHz</td> <td>Total Power</td> <td>29.8 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>24.208 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>18.91 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	19.190 MHz	Total Power	29.8 dBm	Transmit Freq Error	24.208 kHz	% of OBW Power	99.00 %	x dB Bandwidth	18.91 MHz	x dB	-6.00 dB													
Occupied Bandwidth	19.190 MHz	Total Power	29.8 dBm																						
Transmit Freq Error	24.208 kHz	% of OBW Power	99.00 %																						
x dB Bandwidth	18.91 MHz	x dB	-6.00 dB																						
802.11ax-HE40 6dB Bandwidth																									
Channel 151 (5755MHz)	Channel 159 (5795MHz)																								
<p>Channel 151 (5755MHz)</p> <p>Center Frequency: 5.755000000 GHz Span: 80.000000 MHz CF Step: 8.000000 MHz #Video BW: 300.00 kHz Sweep: 7.73 ms (2001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>37.582 MHz</td> <td>Total Power</td> <td>29.6 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>50.565 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>36.02 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	37.582 MHz	Total Power	29.6 dBm	Transmit Freq Error	50.565 kHz	% of OBW Power	99.00 %	x dB Bandwidth	36.02 MHz	x dB	-6.00 dB	<p>Channel 159 (5795MHz)</p> <p>Center Frequency: 5.795000000 GHz Span: 80.000000 MHz CF Step: 8.000000 MHz #Video BW: 300.00 kHz Sweep: 7.73 ms (2001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>37.666 MHz</td> <td>Total Power</td> <td>30.1 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>42.416 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>36.30 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	37.666 MHz	Total Power	30.1 dBm	Transmit Freq Error	42.416 kHz	% of OBW Power	99.00 %	x dB Bandwidth	36.30 MHz	x dB	-6.00 dB
Occupied Bandwidth	37.582 MHz	Total Power	29.6 dBm																						
Transmit Freq Error	50.565 kHz	% of OBW Power	99.00 %																						
x dB Bandwidth	36.02 MHz	x dB	-6.00 dB																						
Occupied Bandwidth	37.666 MHz	Total Power	30.1 dBm																						
Transmit Freq Error	42.416 kHz	% of OBW Power	99.00 %																						
x dB Bandwidth	36.30 MHz	x dB	-6.00 dB																						
802.11ax-HE80 6dB Bandwidth																									
Channel 155 (5775MHz)																									
<p>Channel 155 (5775MHz)</p> <p>Center Frequency: 5.775000000 GHz Span: 160.00 MHz CF Step: 16.000000 MHz #Video BW: 300.00 kHz Sweep: 15.3 ms (2001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>77.134 MHz</td> <td>Total Power</td> <td>30.5 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>56.047 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>75.79 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	77.134 MHz	Total Power	30.5 dBm	Transmit Freq Error	56.047 kHz	% of OBW Power	99.00 %	x dB Bandwidth	75.79 MHz	x dB	-6.00 dB													
Occupied Bandwidth	77.134 MHz	Total Power	30.5 dBm																						
Transmit Freq Error	56.047 kHz	% of OBW Power	99.00 %																						
x dB Bandwidth	75.79 MHz	x dB	-6.00 dB																						

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.

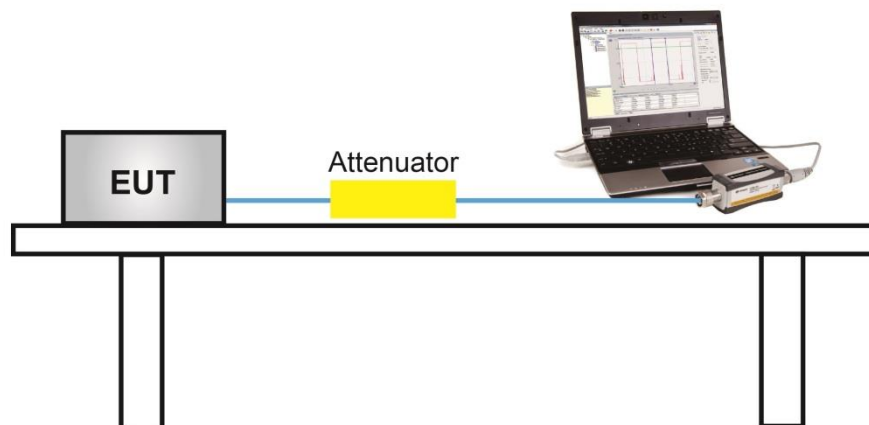
7.4.2. Test Procedure Used

KDB 789033 D02v02r01 - 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	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2020/04/18
Test Mode	CDD Mode (N _{ss} =1)		

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	22.12	21.90	--	--	25.02	≤ 30.00	Pass
11a	6Mbps	44	5220	23.61	23.48	--	--	26.56	≤ 30.00	Pass
11a	6Mbps	48	5240	23.81	23.47	--	--	26.65	≤ 30.00	Pass
11a	6Mbps	100	5500	12.18	12.48	12.38	12.17	18.33	≤ 23.98	Pass
11a	6Mbps	116	5580	12.29	12.56	13.02	12.88	18.72	≤ 23.98	Pass
11a	6Mbps	140	5700	12.44	12.91	12.62	12.95	18.76	≤ 23.98	Pass
11a	6Mbps	144	5720	12.25	12.61	12.42	12.31	18.42	≤ 22.92	Pass
11a	6Mbps	149	5745	23.77	24.01	23.52	23.73	29.78	≤ 30.00	Pass
11a	6Mbps	157	5785	23.80	24.02	23.62	23.75	29.82	≤ 30.00	Pass
11a	6Mbps	165	5825	23.81	24.22	23.71	23.96	29.95	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	22.23	22.12	--	--	25.19	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	23.72	23.33	--	--	26.54	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	23.90	23.81	--	--	26.87	≤ 30.00	Pass
11ac-VHT20	MCS0	100	5500	12.39	12.67	12.61	12.20	18.49	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	12.44	12.65	12.95	12.88	18.76	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	11.48	11.51	11.01	10.99	17.28	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	11.73	12.10	11.67	11.94	17.88	≤ 22.95	Pass
11ac-VHT20	MCS0	149	5745	23.90	24.12	23.78	23.82	29.93	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.87	24.23	23.76	23.82	29.94	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.71	24.21	23.81	23.67	29.88	≤ 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	17.83	17.66	--	--	20.76	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.55	24.43	--	--	27.50	≤ 30.00	Pass
11ac-VHT40	MCS0	102	5510	15.03	15.30	15.24	14.77	21.11	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	15.07	15.53	15.26	15.24	21.30	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	15.29	15.41	15.36	15.07	21.31	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	15.28	15.43	15.32	15.23	21.34	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	23.77	23.71	23.81	23.85	29.81	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	23.86	23.87	23.92	23.97	29.93	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	17.09	16.93	--	--	20.02	≤ 30.00	Pass
11ac-VHT80	MCS0	106	5530	17.32	17.56	17.77	17.34	23.52	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	17.17	17.48	17.17	17.32	23.31	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	17.41	17.62	17.52	17.23	23.47	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	20.94	20.86	21.05	20.86	26.95	≤ 30.00	Pass
11ac-VHT160	MCS0	114	5570	16.97	17.04	16.98	16.82	22.97	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	21.11	21.08	--	--	24.11	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	25.28	25.18	--	--	28.24	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.25	24.02	--	--	27.15	≤ 30.00	Pass
11ax-HE20	MCS0	100	5500	12.59	12.95	13.12	12.53	18.83	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	12.82	13.21	13.61	13.27	19.26	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	12.63	12.90	13.14	12.51	18.82	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	12.81	13.11	13.29	13.07	19.09	≤ 22.94	Pass
11ax-HE20	MCS0	149	5745	23.59	23.91	23.62	23.55	29.69	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	23.50	23.91	23.71	23.74	29.74	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.68	24.12	23.60	23.84	29.84	≤ 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	16.15	15.80	--	--	18.99	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	23.63	23.39	--	--	26.52	≤ 30.00	Pass
11ax-HE40	MCS0	102	5510	14.86	15.25	15.15	14.81	21.04	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	14.39	15.26	15.39	14.25	20.87	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	15.34	15.53	15.45	15.34	21.44	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	15.50	15.71	15.53	15.52	21.59	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.53	23.44	23.81	23.33	29.55	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	23.64	23.58	23.88	23.49	29.67	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	15.65	15.40	--	--	18.54	≤ 30.00	Pass
11ax-HE80	MCS0	106	5530	17.31	17.87	17.73	17.55	23.64	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	17.57	17.92	17.58	17.67	23.71	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	17.75	17.99	17.71	17.48	23.76	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.44	23.60	23.58	23.54	29.56	≤ 30.00	Pass
11ax-HE160	MCS0	114	5570	16.80	16.84	16.51	16.65	22.72	≤ 23.98	Pass

Note 1:

For 5150 – 5250MHz Band: The Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

For 5470 - 5725MHz and 5725 ~5850MHz Bands: 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 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	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2020/04/18
Test Mode	Beamforming Mode (N _{ss} =1)		

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	16.01	15.84	--	--	18.94	≤ 29.45	Pass
11ac-VHT20	MCS0	40	5220	23.72	23.33	--	--	26.54	≤ 29.45	Pass
11ac-VHT20	MCS0	48	5240	23.90	23.81	--	--	26.87	≤ 29.45	Pass
11ac-VHT20	MCS0	100	5500	10.91	11.16	11.22	10.95	17.08	≤ 20.76	Pass
11ac-VHT20	MCS0	116	5580	12.44	12.65	12.95	12.88	18.76	≤ 20.76	Pass
11ac-VHT20	MCS0	140	5700	11.48	11.51	11.01	10.99	17.28	≤ 20.76	Pass
11ac-VHT20	MCS0	144	5720	11.73	12.10	11.67	11.94	17.88	≤ 19.72	Pass
11ac-VHT20	MCS0	149	5745	15.82	15.93	16.13	16.16	22.03	≤ 26.78	Pass
11ac-VHT20	MCS0	157	5785	20.34	20.73	20.78	20.68	26.66	≤ 26.78	Pass
11ac-VHT20	MCS0	165	5825	15.86	16.18	16.05	16.08	22.06	≤ 26.78	Pass
11ac-VHT40	MCS0	38	5190	13.11	12.89	--	--	16.01	≤ 29.45	Pass
11ac-VHT40	MCS0	46	5230	24.55	24.43	--	--	27.50	≤ 29.45	Pass
11ac-VHT40	MCS0	102	5510	14.27	14.46	14.18	14.22	20.30	≤ 20.76	Pass
11ac-VHT40	MCS0	110	5550	14.35	14.51	14.43	14.21	20.40	≤ 20.76	Pass
11ac-VHT40	MCS0	134	5670	14.35	14.55	14.45	14.23	20.42	≤ 20.76	Pass
11ac-VHT40	MCS0	142	5710	14.30	14.63	14.45	14.33	20.45	≤ 20.76	Pass
11ac-VHT40	MCS0	151	5755	17.00	16.83	17.11	16.95	22.99	≤ 26.78	Pass
11ac-VHT40	MCS0	159	5795	18.81	18.97	19.19	19.00	25.02	≤ 26.78	Pass
11ac-VHT80	MCS0	42	5210	17.09	16.93	--	--	20.02	≤ 29.45	Pass
11ac-VHT80	MCS0	106	5530	14.25	14.45	14.60	14.22	20.40	≤ 20.76	Pass
11ac-VHT80	MCS0	122	5610	14.35	14.20	14.34	14.40	20.34	≤ 20.76	Pass
11ac-VHT80	MCS0	138	5690	14.48	14.23	14.31	14.15	20.31	≤ 20.76	Pass
11ac-VHT80	MCS0	155	5775	14.08	13.98	14.39	14.03	20.14	≤ 26.78	Pass
11ac-VHT160	MCS0	114	5570	14.68	14.23	14.77	14.53	20.58	≤ 20.76	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-HE20	MCS0	36	5180	15.91	16.00	--	--	18.97	≤ 29.45	Pass
11ax-HE20	MCS0	40	5220	25.28	25.18	--	--	28.24	≤ 29.45	Pass
11ax-HE20	MCS0	48	5240	24.25	24.02	--	--	27.15	≤ 29.45	Pass
11ax-HE20	MCS0	100	5500	12.59	12.95	13.12	12.53	18.83	≤ 20.76	Pass
11ax-HE20	MCS0	116	5580	12.82	13.21	13.61	13.27	19.26	≤ 20.76	Pass
11ax-HE20	MCS0	140	5700	12.63	12.90	13.14	12.51	18.82	≤ 20.76	Pass
11ax-HE20	MCS0	144	5720	12.81	13.11	13.29	13.07	19.09	≤ 19.72	Pass
11ax-HE20	MCS0	149	5745	20.39	20.74	20.63	20.35	26.55	≤ 26.78	Pass
11ax-HE20	MCS0	157	5785	20.31	20.44	20.55	20.33	26.43	≤ 26.78	Pass
11ax-HE20	MCS0	165	5825	20.41	20.82	20.62	20.30	26.56	≤ 26.78	Pass
11ax-HE40	MCS0	38	5190	16.15	15.80	--	--	18.99	≤ 29.45	Pass
11ax-HE40	MCS0	46	5230	23.63	23.39	--	--	26.52	≤ 29.45	Pass
11ax-HE40	MCS0	102	5510	14.48	14.75	14.88	14.40	20.65	≤ 20.76	Pass
11ax-HE40	MCS0	110	5550	14.35	14.63	14.60	14.39	20.51	≤ 20.76	Pass
11ax-HE40	MCS0	134	5670	14.62	14.35	14.40	14.51	20.49	≤ 20.76	Pass
11ax-HE40	MCS0	142	5710	14.59	14.40	14.45	14.15	20.42	≤ 20.76	Pass
11ax-HE40	MCS0	151	5755	17.92	17.94	18.15	18.02	24.03	≤ 26.78	Pass
11ax-HE40	MCS0	159	5795	18.89	18.86	19.19	19.02	25.01	≤ 26.78	Pass
11ax-HE80	MCS0	42	5210	14.00	13.92	--	--	16.97	≤ 29.45	Pass
11ax-HE80	MCS0	106	5530	14.52	14.88	14.72	14.49	20.68	≤ 20.76	Pass
11ax-HE80	MCS0	122	5610	14.42	14.23	14.50	14.26	20.37	≤ 20.76	Pass
11ax-HE80	MCS0	138	5690	14.31	14.42	14.33	14.43	20.39	≤ 20.76	Pass
11ax-HE80	MCS0	155	5775	14.05	13.89	14.12	13.91	20.01	≤ 26.78	Pass
11ax-HE160	MCS0	114	5570	14.43	14.05	14.44	14.23	20.31	≤ 20.76	Pass

Note 1:

For 5150 – 5250MHz Bands: The Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

For 5470 - 5725MHz and 5725 – 5850MHz Bands: 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) = $30 - (6.55 - 6) = 29.45\text{dBm}$

For 5470 - 5725MHz Band: Average Power Limit (dBm) = $23.98 - (9.22 - 6) = 20.76\text{dBm}$.

For 5725 - 5850MHz Band: Average Power Limit (dBm) = $30 - (9.22 - 6) = 26.78\text{dBm}$.

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log (5\text{MHz} + BW_{26\text{dBc}}/2) - (9.22 - 6)$

Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2020/04/18
Test Mode	CDD Mode (N _{ss} =2)		

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	100	5500	15.13	15.43	15.26	15.04	21.24	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	15.22	15.65	15.58	15.53	21.52	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	15.35	15.73	15.64	15.17	21.50	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	15.21	15.44	15.23	15.11	21.27	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	17.35	17.66	17.54	17.14	23.45	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	17.61	17.76	17.69	17.58	23.68	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	17.91	17.78	17.59	17.36	23.69	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	17.96	17.88	17.73	17.37	23.76	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	17.67	17.83	17.78	17.49	23.72	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	17.61	17.86	17.51	17.63	23.68	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	17.78	17.93	17.64	17.55	23.75	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	15.56	15.66	15.48	15.23	21.51	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	14.88	15.34	15.26	14.86	21.11	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	15.37	15.81	15.71	15.51	21.62	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	15.26	15.58	15.36	15.17	21.37	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	15.13	15.51	15.27	15.12	21.28	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	17.88	18.15	17.49	17.91	23.88	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	17.85	17.97	17.90	17.49	23.83	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.58	17.64	17.53	17.34	23.54	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	17.73	17.63	17.71	17.27	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	17.59	17.94	17.92	17.77	23.83	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	17.77	17.97	17.75	17.83	23.85	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	17.61	17.85	17.53	17.49	23.64	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	16.39	16.78	16.69	16.73	22.67	≤ 23.98	Pass

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

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.

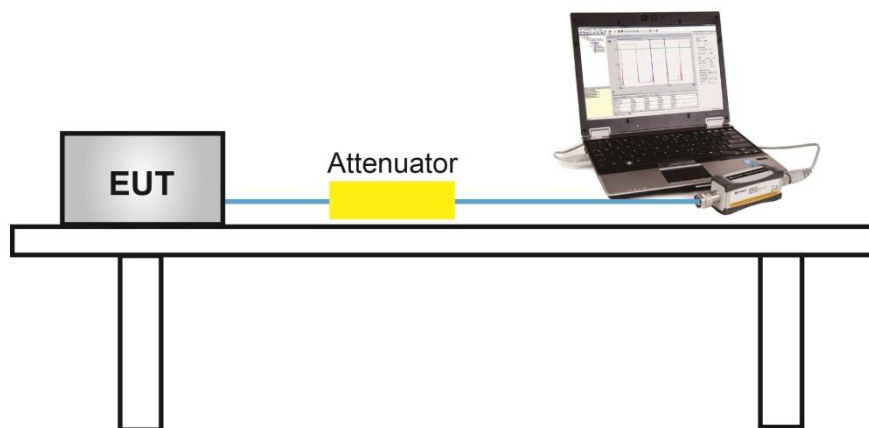
7.5.2. Test Procedure Used

KDB 789033 D02v01- Section 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.

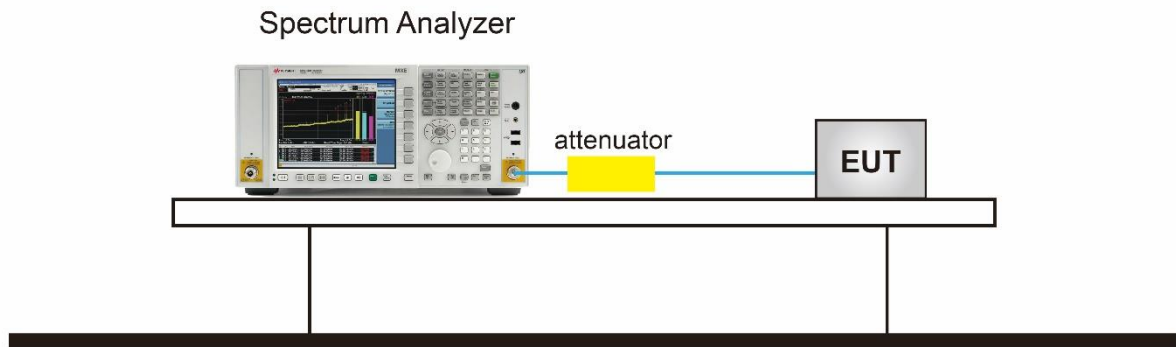
7.6.2. Test Procedure Used

KDB 789033 D02v02r01 - Section 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 = 100 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.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 6.99$ dB to the measured result.

7.6.4. Test Setup



7.6.5. Test Result

Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	40 ~ 56%
Test Site	SR1	Test Date	2020/04/15 ~ 2020/04/17
Mode	Power Spectral Density (U-NII- 1 / 2C) CDD Mode (N _{ss} =1)		

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	11.26	11.24	--	--	94.94	14.49	≤ 16.45	Pass
11a	6Mbps	44	5220	12.84	13.08	--	--	94.94	16.20	≤ 16.45	Pass
11a	6Mbps	48	5240	12.88	13.27	--	--	94.94	16.31	≤ 16.45	Pass
11a	6Mbps	100	5500	1.29	1.73	1.45	1.12	94.94	7.65	≤ 7.78	Pass
11a	6Mbps	116	5580	1.18	1.21	1.72	1.34	94.94	7.62	≤ 7.78	Pass
11a	6Mbps	140	5700	1.13	1.51	1.64	1.67	94.94	7.74	≤ 7.78	Pass
11a	6Mbps	144	5720	1.14	1.62	1.51	1.13	94.94	7.60	≤ 7.78	Pass
11ac-VHT20	MCS0	36	5180	11.00	11.17	--	--	98.52	14.10	≤ 16.45	Pass
11ac-VHT20	MCS0	44	5220	12.62	13.32	--	--	98.52	15.99	≤ 16.45	Pass
11ac-VHT20	MCS0	48	5240	12.84	13.18	--	--	98.52	16.02	≤ 16.45	Pass
11ac-VHT20	MCS0	100	5500	1.10	1.57	1.76	1.30	98.52	7.46	≤ 7.78	Pass
11ac-VHT20	MCS0	116	5580	1.31	1.62	1.82	1.53	98.52	7.59	≤ 7.78	Pass
11ac-VHT20	MCS0	140	5700	1.14	1.40	1.61	1.28	98.52	7.38	≤ 7.78	Pass
11ac-VHT20	MCS0	144	5720	1.32	1.59	1.72	1.47	98.52	7.55	≤ 7.78	Pass
11ac-VHT40	MCS0	38	5190	4.21	4.11	--	--	96.96	7.30	≤ 16.45	Pass
11ac-VHT40	MCS0	46	5230	10.60	11.00	--	--	96.96	13.95	≤ 16.45	Pass
11ac-VHT40	MCS0	102	5510	1.21	1.80	1.70	1.29	96.96	7.66	≤ 7.78	Pass
11ac-VHT40	MCS0	110	5550	1.27	1.44	1.62	1.32	96.96	7.57	≤ 7.78	Pass
11ac-VHT40	MCS0	134	5670	1.35	1.49	1.44	1.28	96.96	7.54	≤ 7.78	Pass
11ac-VHT40	MCS0	142	5710	1.34	1.59	1.49	1.42	96.96	7.62	≤ 7.78	Pass
11ac-VHT80	MCS0	42	5210	0.64	0.51	--	--	93.88	3.86	≤ 16.45	Pass
11ac-VHT80	MCS0	106	5530	0.79	1.16	1.03	1.01	93.88	7.30	≤ 7.78	Pass
11ac-VHT80	MCS0	122	5610	0.20	0.35	0.25	0.10	93.88	6.52	≤ 7.78	Pass
11ac-VHT80	MCS0	138	5690	0.37	0.70	0.34	0.25	93.88	6.71	≤ 7.78	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-VHT160	MCS0	114	5570	-2.77	-2.57	-2.53	-2.63	89.49	3.88	≤ 7.78	Pass
11ax-HE20	MCS0	36	5180	9.83	9.82	--	--	97.89	12.93	≤ 16.45	Pass
11ax-HE20	MCS0	44	5220	13.03	13.39	--	--	97.89	16.32	≤ 16.45	Pass
11ax-HE20	MCS0	48	5240	13.05	13.35	--	--	97.89	16.31	≤ 16.45	Pass
11ax-HE20	MCS0	100	5500	1.31	1.47	1.71	1.44	97.89	7.60	≤ 7.78	Pass
11ax-HE20	MCS0	116	5580	1.31	1.45	1.82	1.71	97.89	7.69	≤ 7.78	Pass
11ax-HE20	MCS0	140	5700	1.16	1.50	1.50	1.10	97.89	7.43	≤ 7.78	Pass
11ax-HE20	MCS0	144	5720	1.24	1.67	1.78	1.33	97.89	7.62	≤ 7.78	Pass
11ax-HE40	MCS0	38	5190	2.33	2.09	--	--	96.02	5.40	≤ 16.45	Pass
11ax-HE40	MCS0	46	5230	9.32	9.73	--	--	96.02	12.71	≤ 16.45	Pass
11ax-HE40	MCS0	102	5510	1.23	1.51	1.49	1.31	96.02	7.58	≤ 7.78	Pass
11ax-HE40	MCS0	110	5550	1.26	1.60	1.58	1.26	96.02	7.62	≤ 7.78	Pass
11ax-HE40	MCS0	134	5670	1.40	1.85	1.39	1.44	96.02	7.72	≤ 7.78	Pass
11ax-HE40	MCS0	142	5710	1.39	1.57	1.31	1.46	96.02	7.63	≤ 7.78	Pass
11ax-HE80	MCS0	42	5210	-1.48	-1.27	--	--	92.58	1.97	≤ 16.45	Pass
11ax-HE80	MCS0	106	5530	0.75	1.10	1.24	1.21	92.58	7.43	≤ 7.78	Pass
11ax-HE80	MCS0	122	5610	0.60	1.04	0.72	0.81	92.58	7.15	≤ 7.78	Pass
11ax-HE80	MCS0	122	5690	0.68	0.90	0.80	0.38	92.58	7.05	≤ 7.78	Pass
11ax-HE160	MCS0	114	5570	-2.94	-2.93	-3.11	-2.74	88.19	3.64	≤ 7.78	Pass

Note 1: When EUT duty cycle ≥ 98%,

For 5150 - 5250MHz Band, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz).

For 5470 - 5725MHz Band, 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%,

For 5150 - 5250MHz Band, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

For 5470 - 5725MHz Band, 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:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.55 - 6) = 16.45dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (9.22 - 6) = 7.78dBm/MHz.

Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	58%
Test Site	SR2	Test Date	2020/04/17
Test Item	Power Spectral Density (U-NII-3) CDD Mode (N _{ss} =1)		

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 (%)	Constant Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	3.39	3.70	2.99	3.27	94.94	6.99	16.58	≤ 26.78	Pass
11a	6Mbps	157	5785	3.45	3.72	3.46	3.39	94.94	6.99	16.74	≤ 26.78	Pass
11a	6Mbps	165	5825	3.32	3.86	3.49	3.59	94.94	6.99	16.80	≤ 26.78	Pass
11ac-VHT20	MCS0	149	5745	3.49	3.75	3.38	3.52	98.52	6.99	16.55	≤ 26.78	Pass
11ac-VHT20	MCS0	157	5785	3.48	3.84	3.39	3.41	98.52	6.99	16.55	≤ 26.78	Pass
11ac-VHT20	MCS0	165	5825	3.16	3.67	3.51	3.17	98.52	6.99	16.39	≤ 26.78	Pass
11ac-VHT40	MCS0	151	5755	0.69	0.56	0.83	0.73	96.96	6.99	13.85	≤ 26.78	Pass
11ac-VHT40	MCS0	159	5795	0.53	0.44	0.68	0.36	96.96	6.99	13.65	≤ 26.78	Pass
11ac-VHT80	MCS0	155	5775	-5.07	-5.20	-4.82	-5.35	93.88	6.99	8.18	≤ 26.78	Pass
11ax-HE20	MCS0	149	5745	2.00	2.00	1.79	1.77	97.89	6.99	14.99	≤ 26.78	Pass
11ax-HE20	MCS0	157	5785	1.72	1.84	1.91	2.02	97.89	6.99	14.98	≤ 26.78	Pass
11ax-HE20	MCS0	165	5825	1.89	2.32	1.67	1.94	97.89	6.99	15.06	≤ 26.78	Pass
11ax-HE40	MCS0	151	5755	-0.74	-0.86	-0.44	-0.22	96.02	6.99	12.63	≤ 26.78	Pass
11ax-HE40	MCS0	159	5795	-0.71	-0.72	-0.65	-0.67	96.02	6.99	12.50	≤ 26.78	Pass
11ax-HE80	MCS0	155	5775	-3.73	-3.14	-3.30	-3.27	92.58	6.99	9.99	≤ 26.78	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor (dB).

When EUT duty cycle < 98%, the total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor (dB) + $10 \cdot \log (1/\text{Duty Cycle})$.

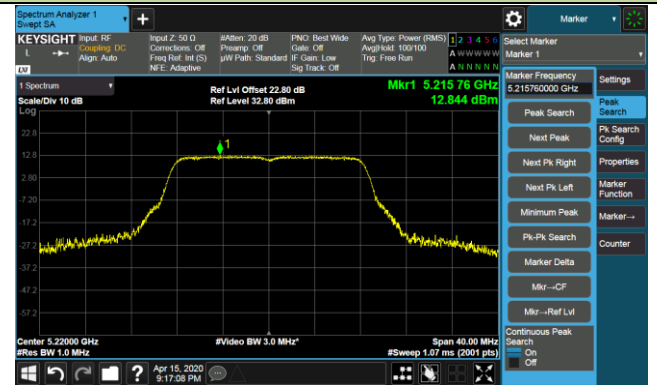
Note 2: PSD Limit (dBm/500kHz) = 30 - (9.22 - 6) = 26.78dBm/500kHz.

802.11a Power Spectral Density - Ant 0 / Ant 0 + 1

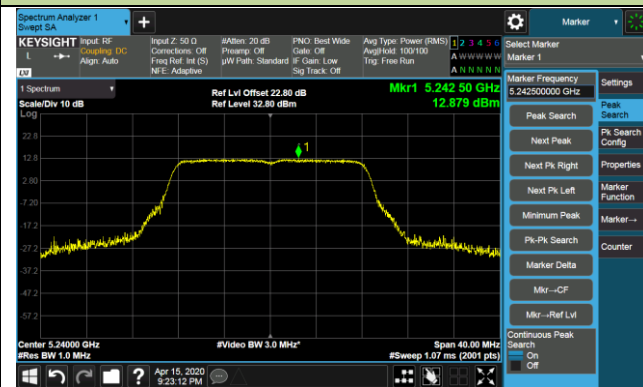
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 38 (5190MHz)

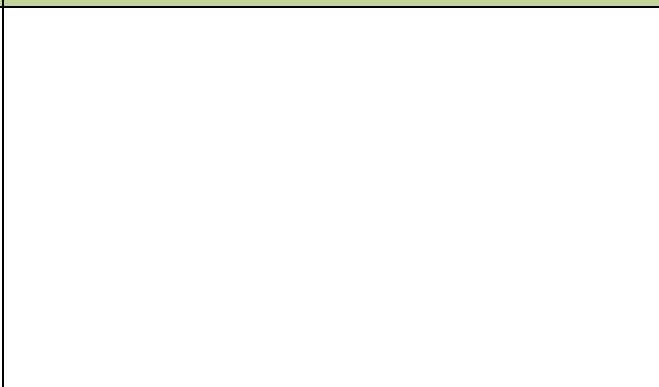


Channel 46 (5230MHz)



802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 42 (5210MHz)

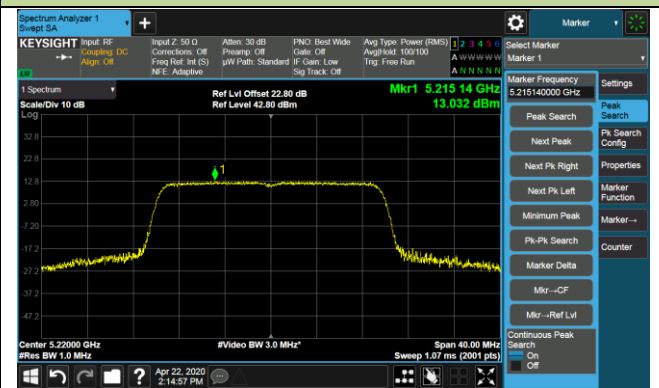


802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)

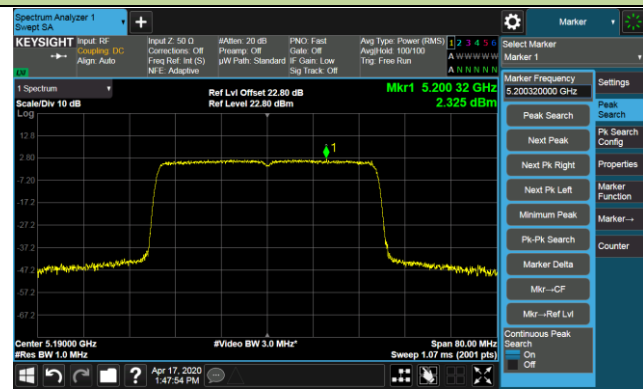


Channel 48 (5240MHz)

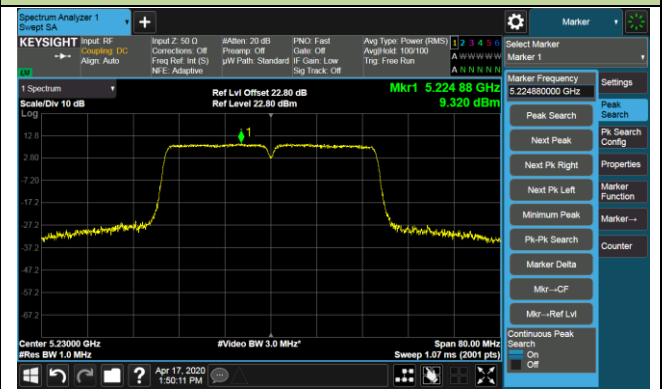


802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 38 (5190MHz)

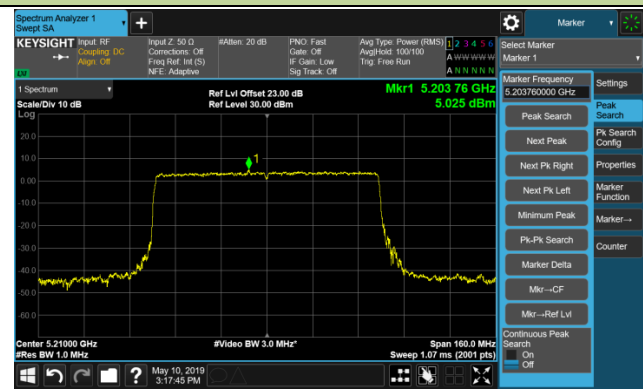


Channel 46 (5230MHz)



802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 42 (5210MHz)



802.11a Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)

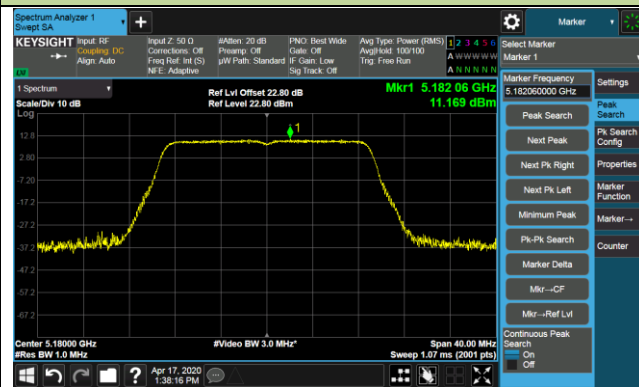


Channel 48 (5240MHz)

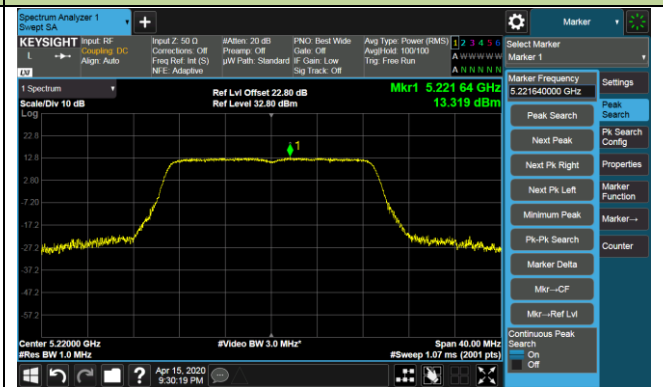


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

