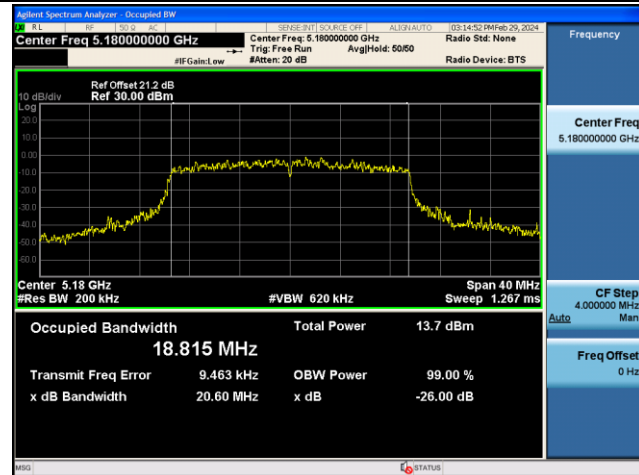
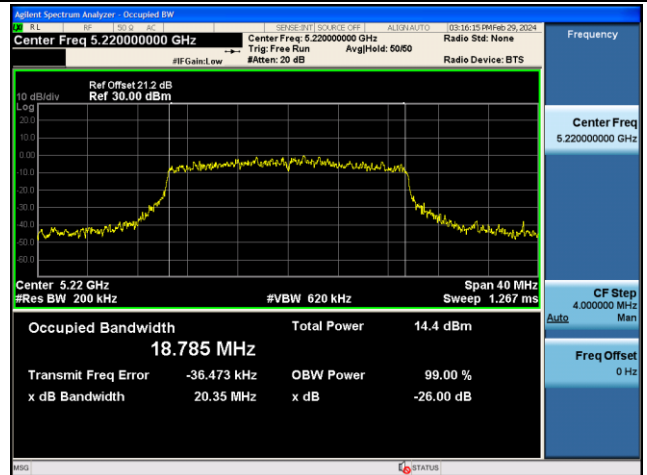


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

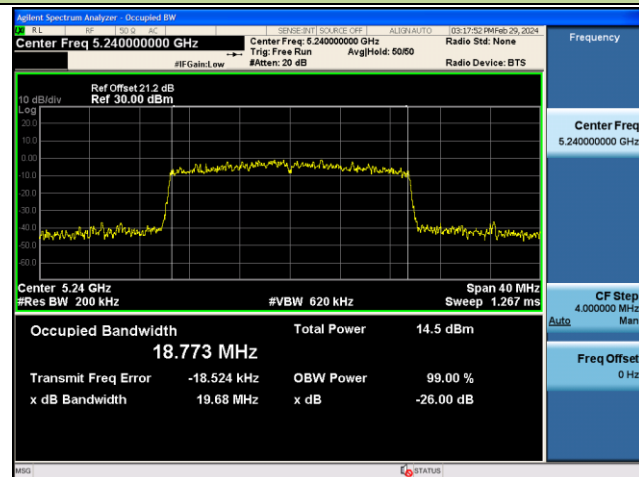
Channel 36 (5180MHz)



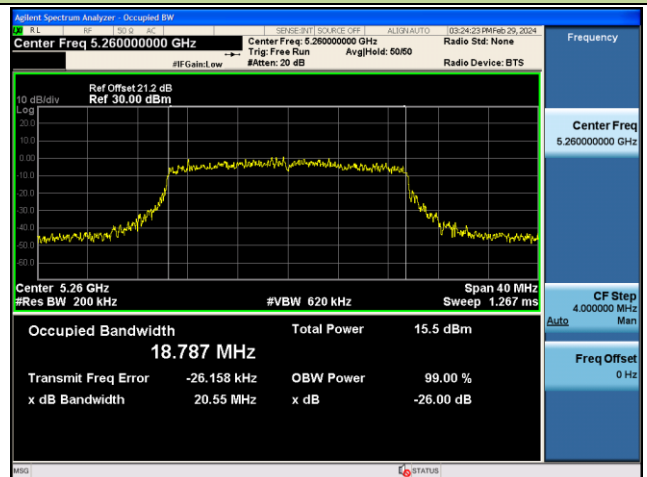
Channel 44 (5220MHz)



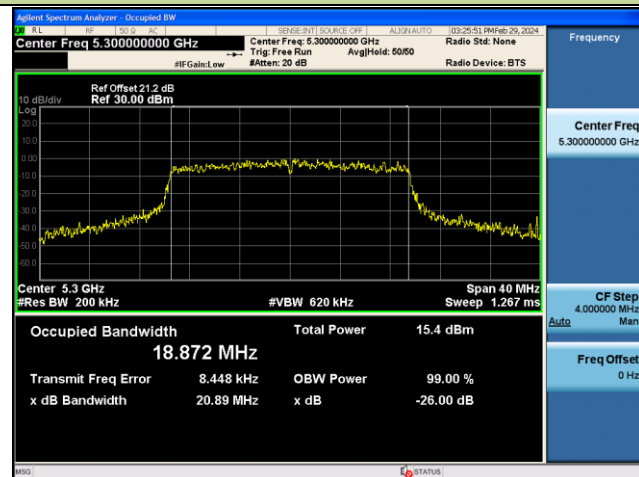
Channel 48 (5240MHz)



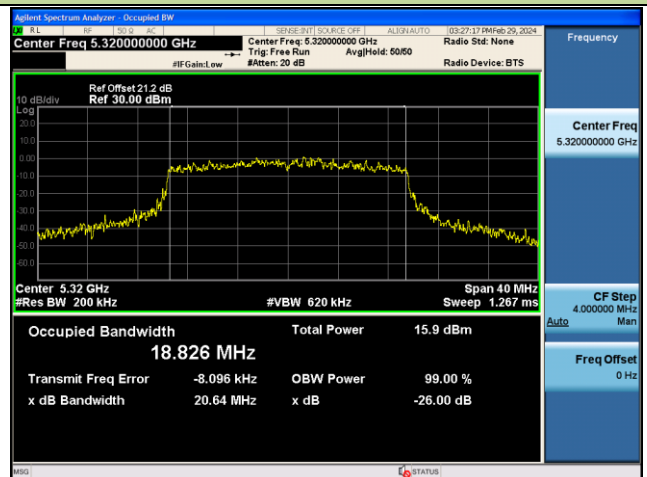
Channel 52 (5260MHz)

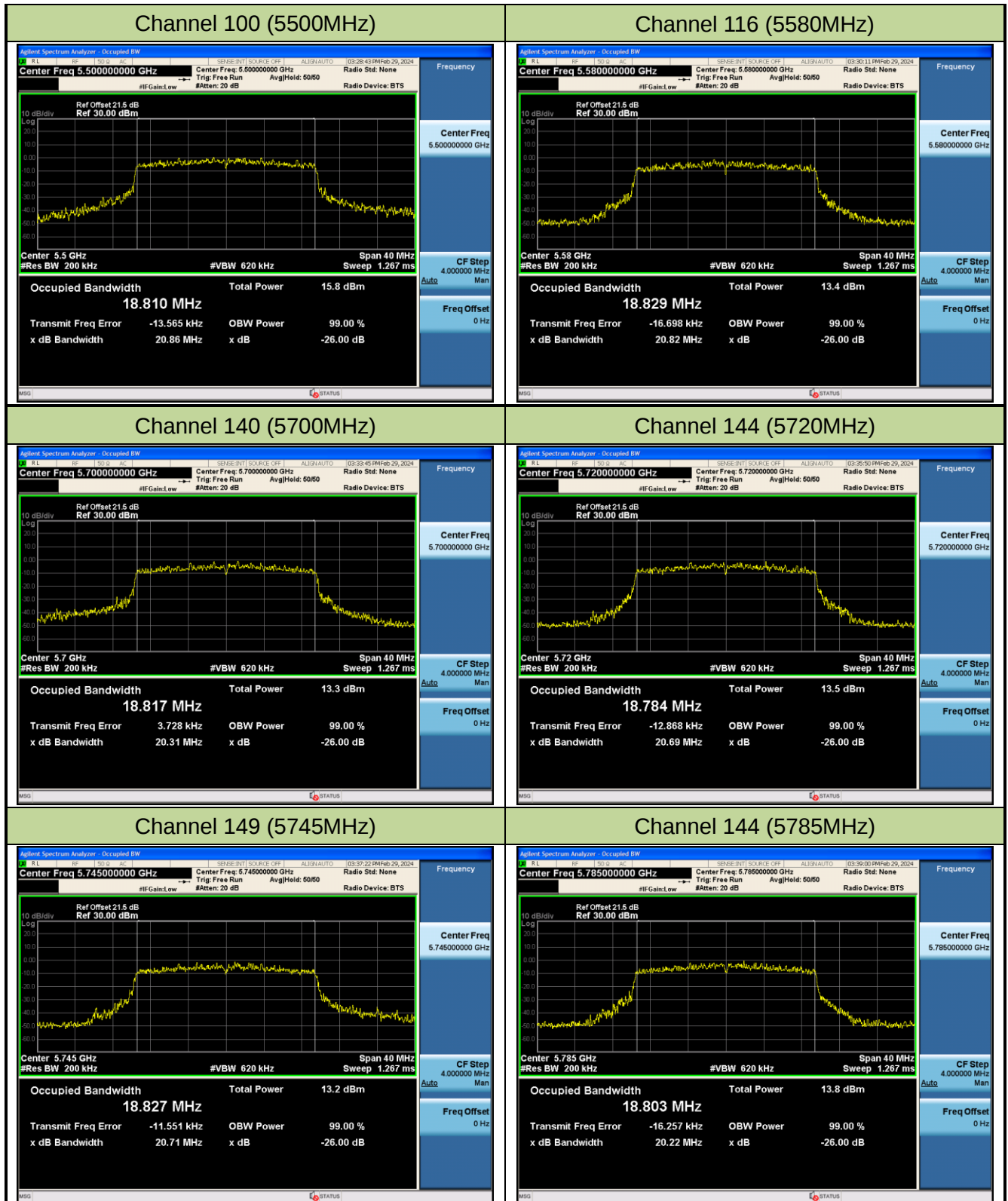


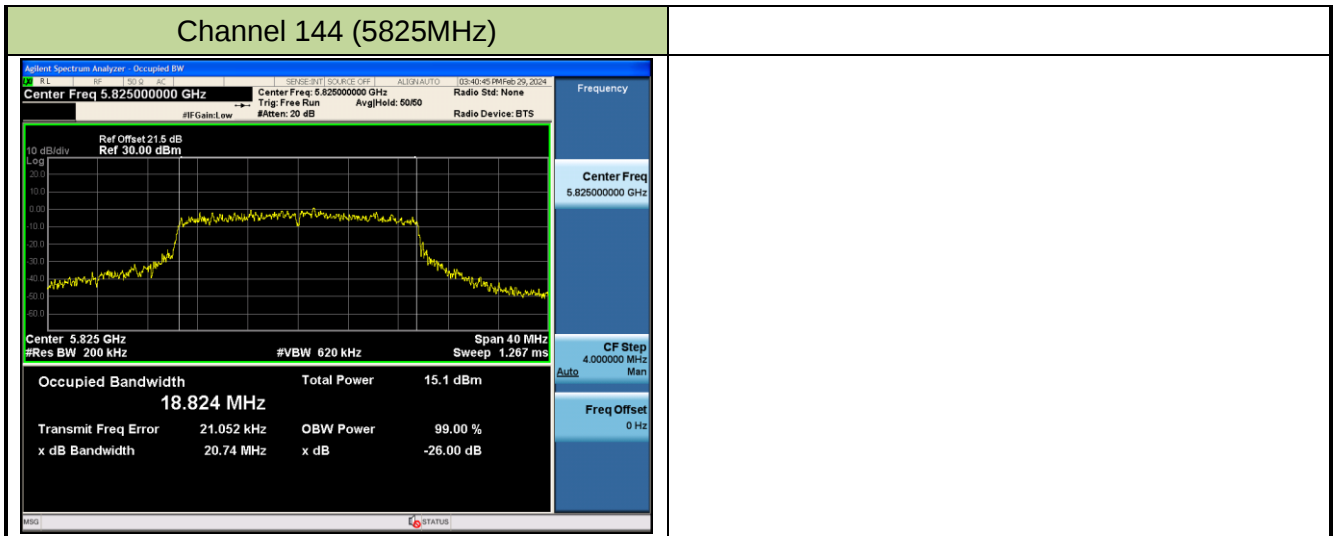
Channel 60 (5300MHz)



Channel 64 (5320MHz)

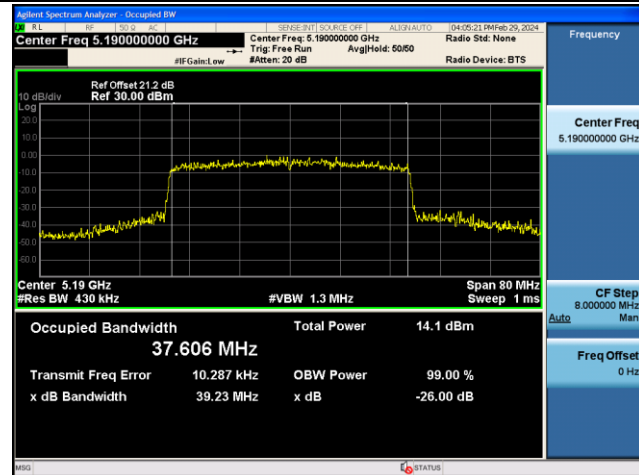




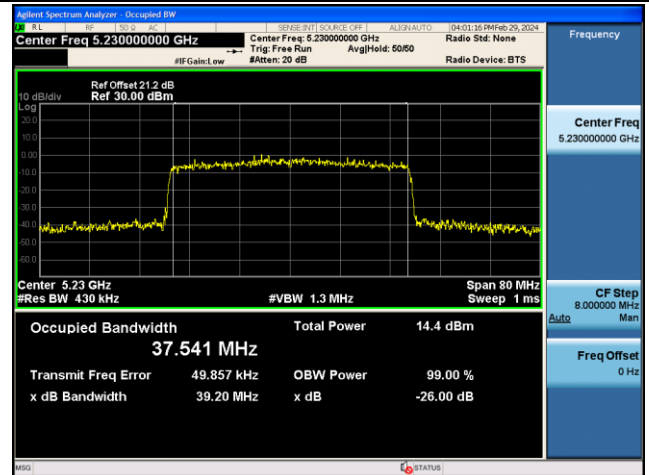


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

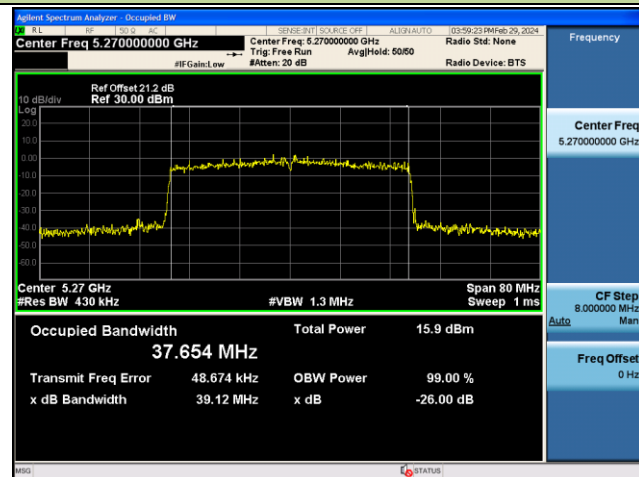
Channel 38 (5190MHz)



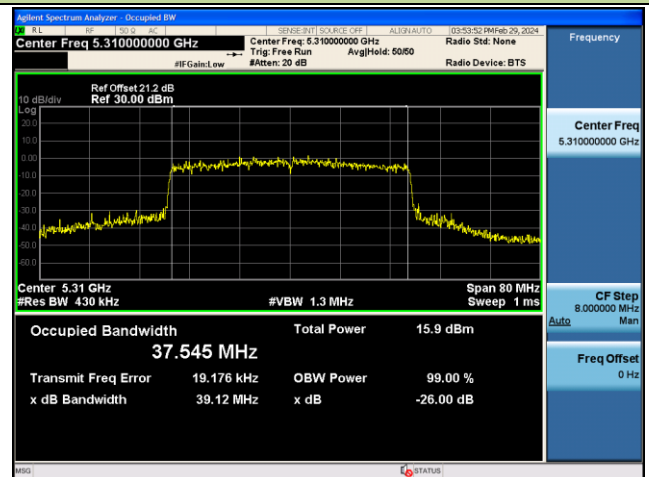
Channel 46 (5230MHz)



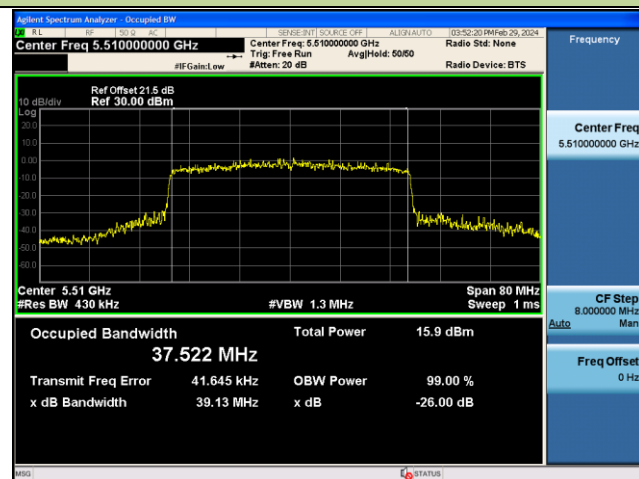
Channel 54 (5270MHz)



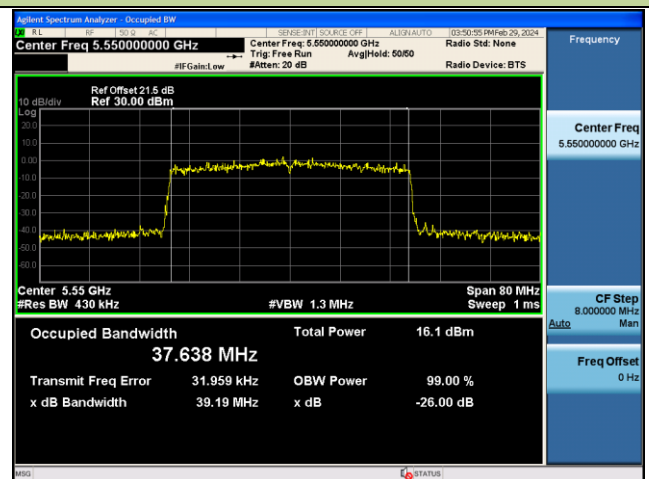
Channel 62 (5310MHz)

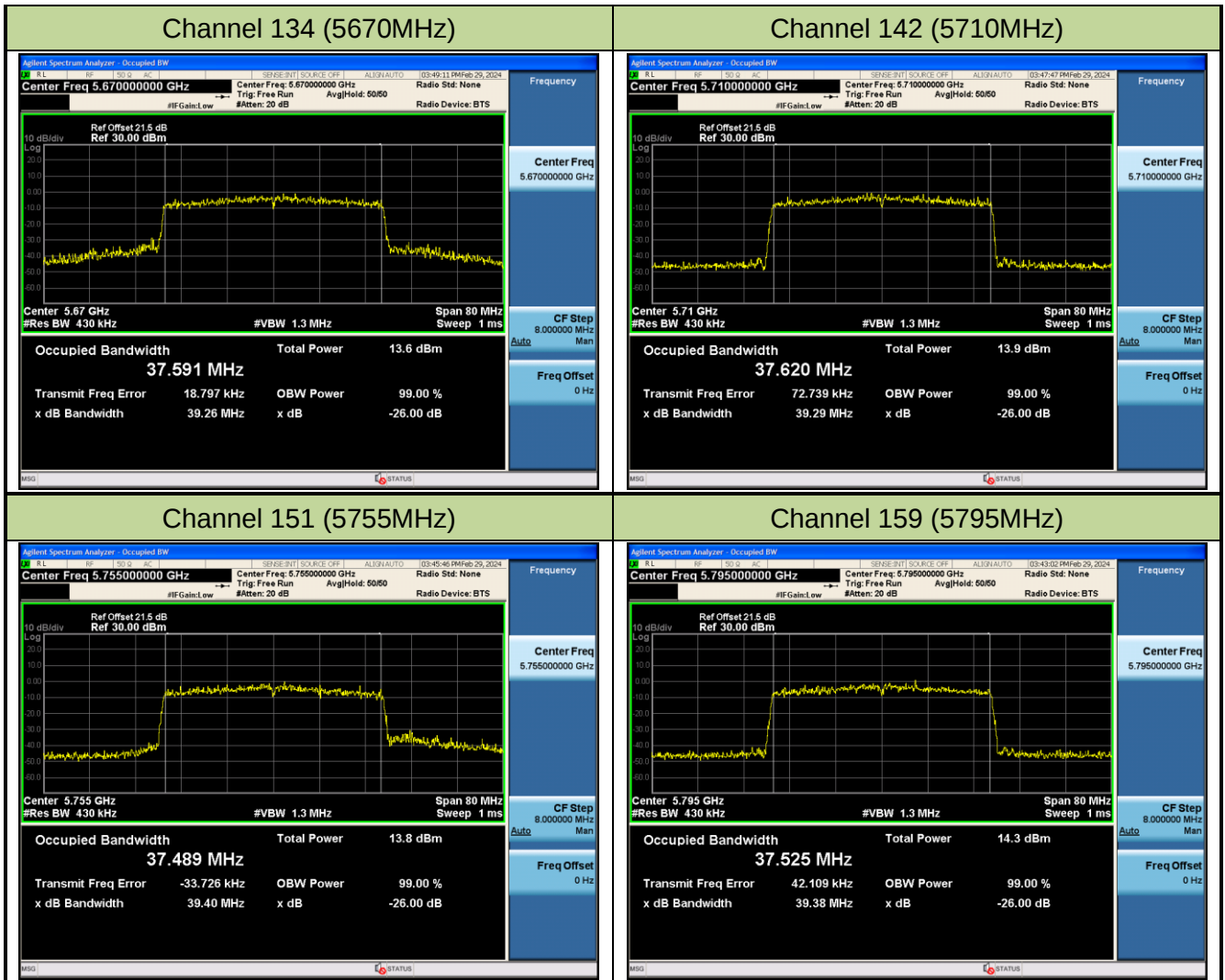


Channel 102 (5510MHz)



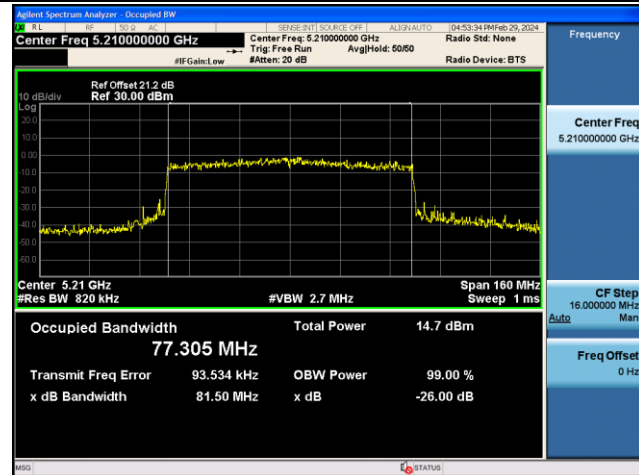
Channel 110 (5550MHz)



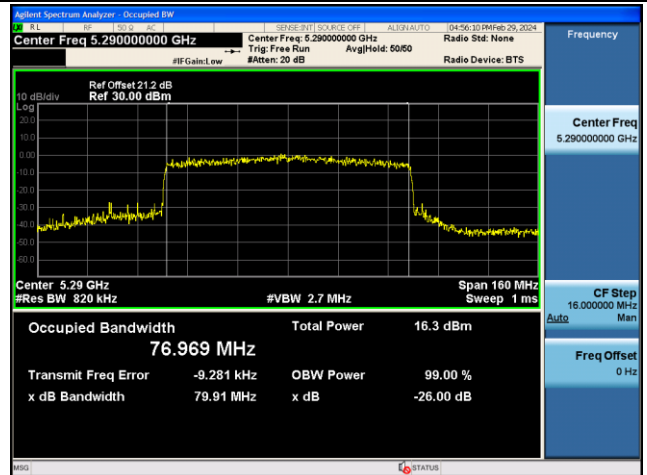


8802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

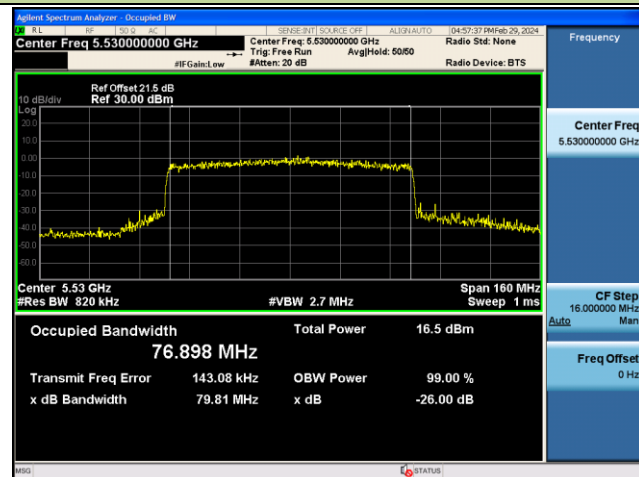
Channel 42 (5210MHz)



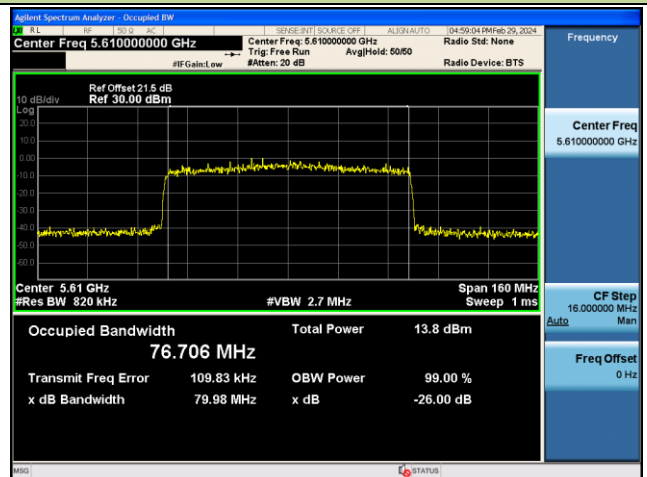
Channel 58 (5290MHz)



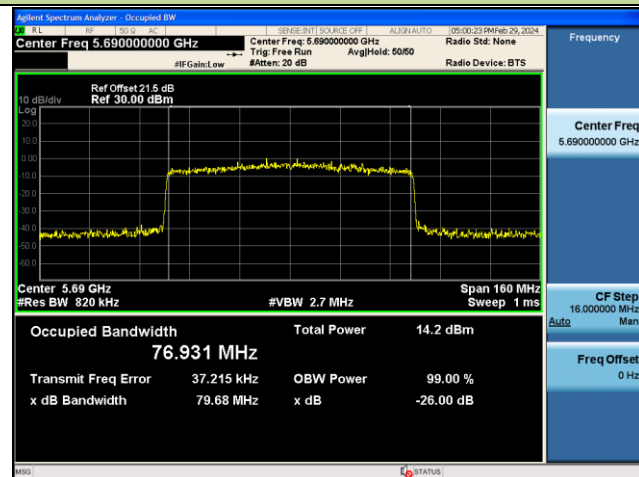
Channel 106 (5530MHz)



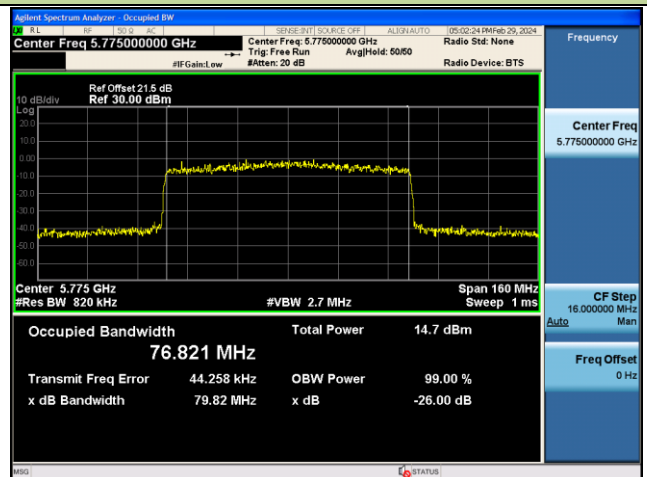
Channel 122 (5610MHz)



Channel 138 (5690MHz)

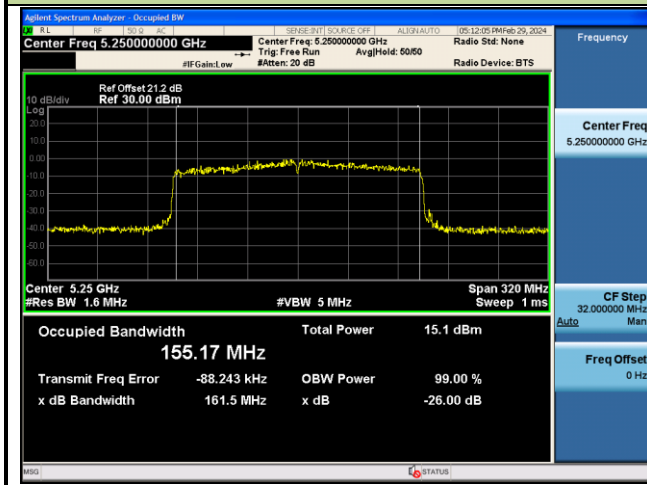


Channel 155 (5775MHz)

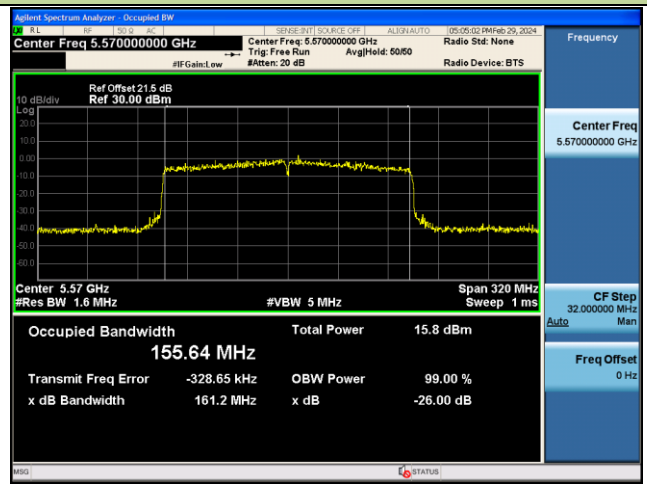


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

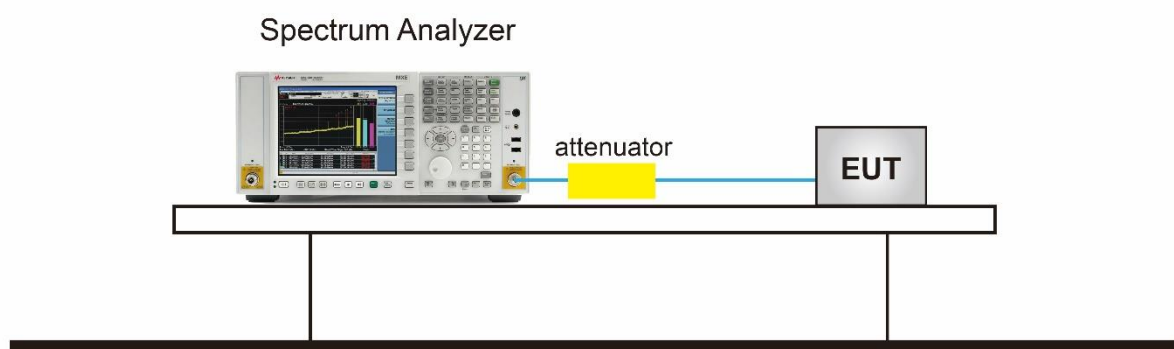
7.3.2. Test Procedure used

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 $3 \times$ 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



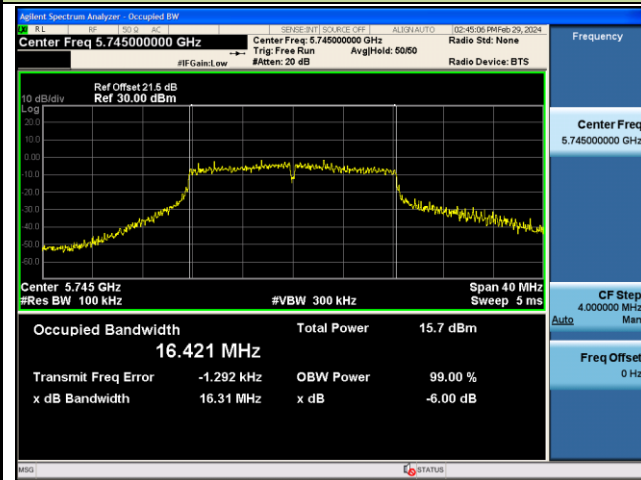
7.3.5.TestResult

Product	WiFi Module	Test Engineer	Wen
Test Site	SR6	Test Date	2024/2/29

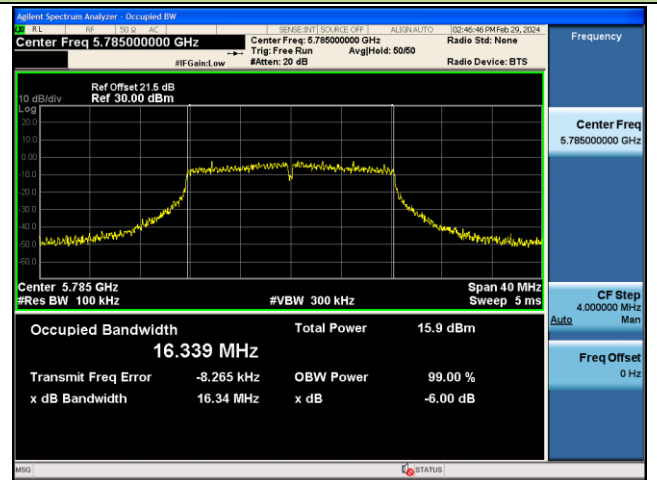
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6Mbps	149	5745	16.31	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.34	≥ 0.5	Pass
802.11a	6Mbps	165	5825	15.24	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	14.19	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	15.85	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.51	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	35.11	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	35.12	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	75.16	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	15.35	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	15.09	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	15.85	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	35.03	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	35.29	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	75.38	≥ 0.5	Pass

802.11a 6dB Bandwidth

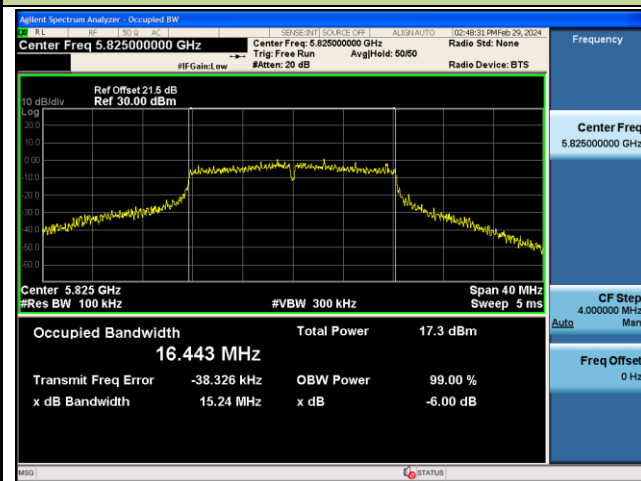
Channel 149 (5745MHz)



Channel 157 (5785MHz)

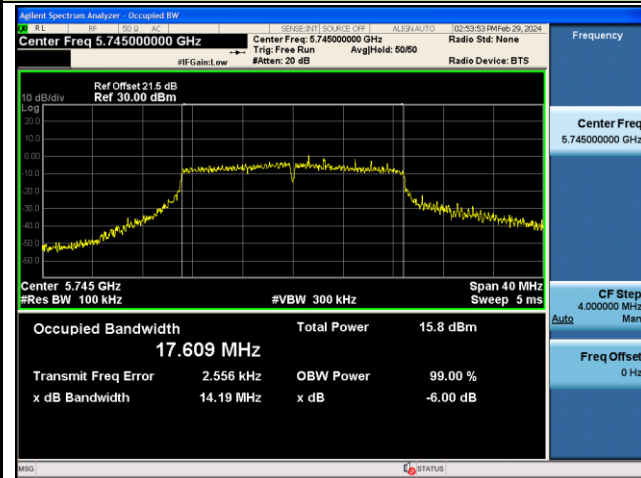


Channel 165 (5825MHz)

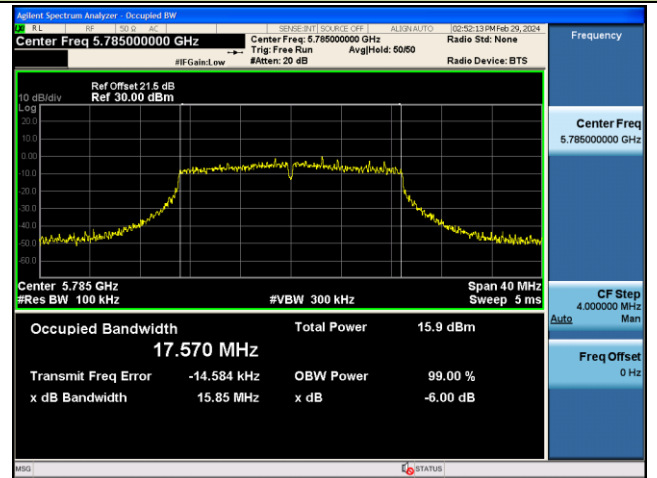


802.11ac-VHT20 6dB Bandwidth

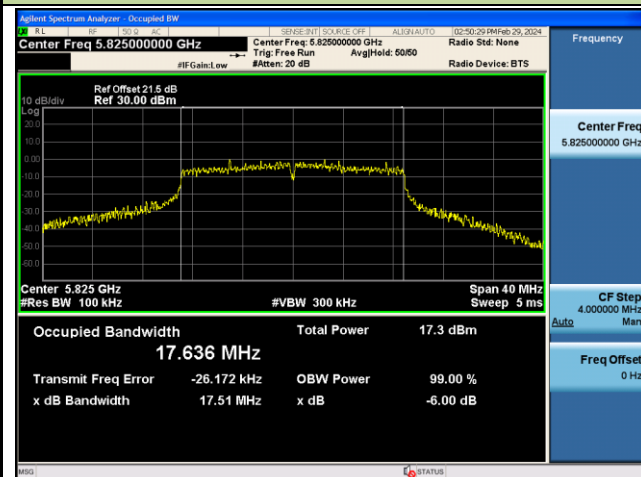
Channel 149 (5745MHz)



Channel 157 (5785MHz)

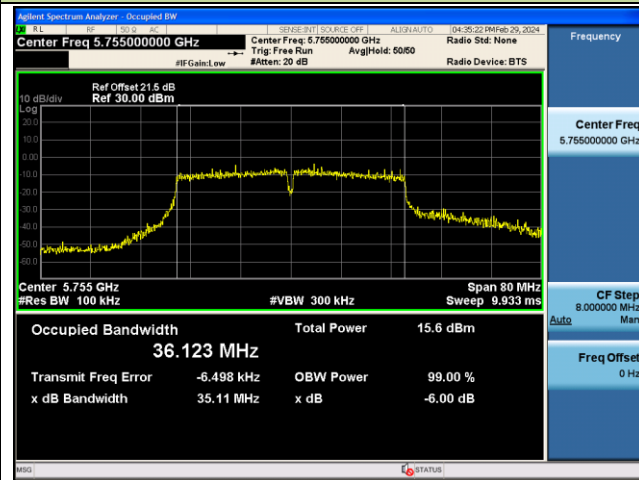


Channel 165 (5825MHz)

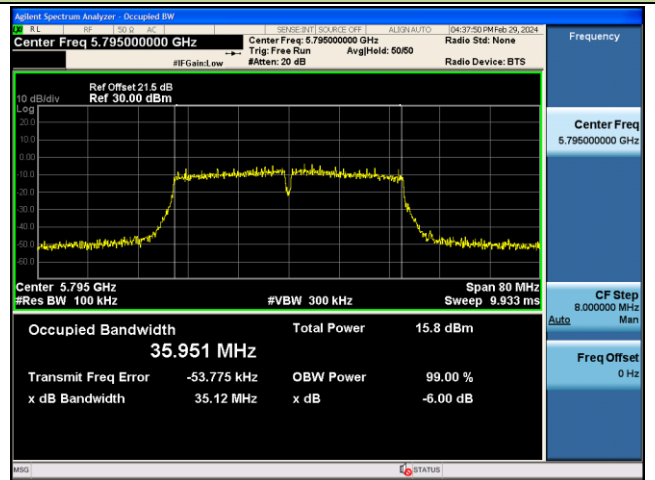


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

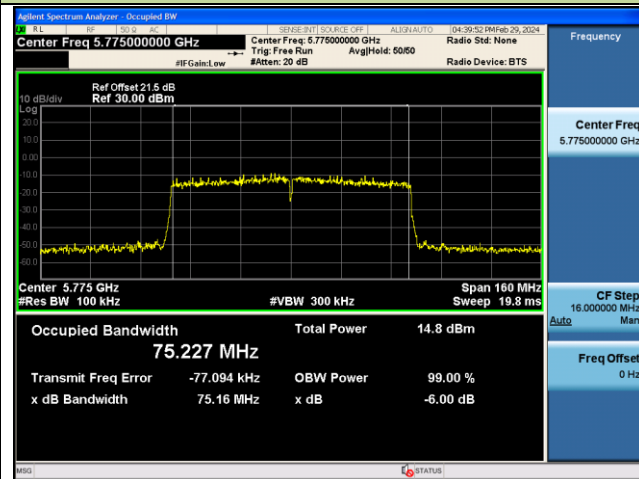


Channel 159 (5795MHz)



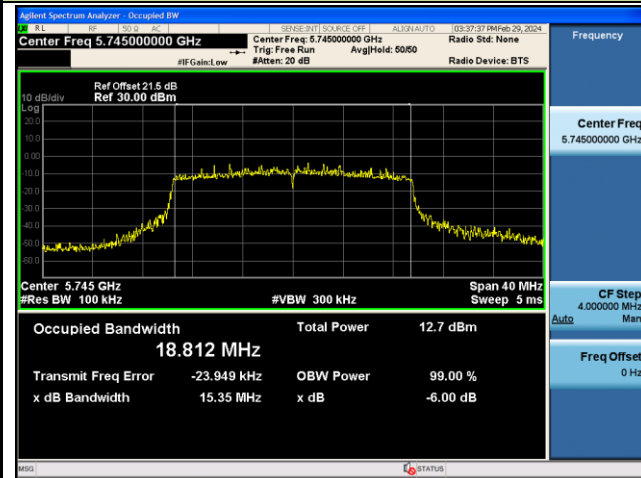
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

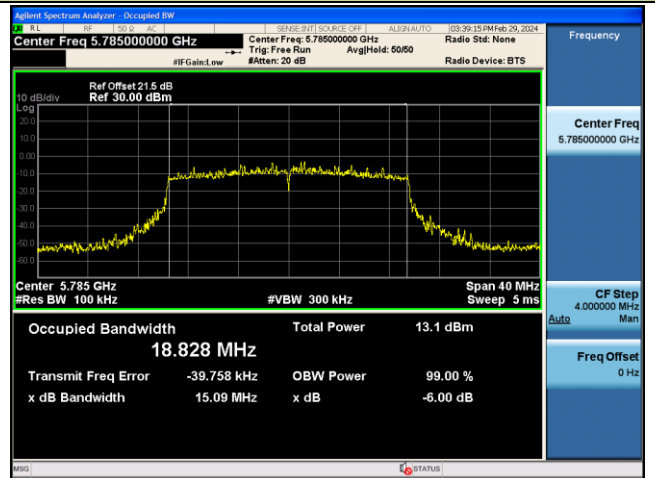


802.11ax-HE20 6dB Bandwidth

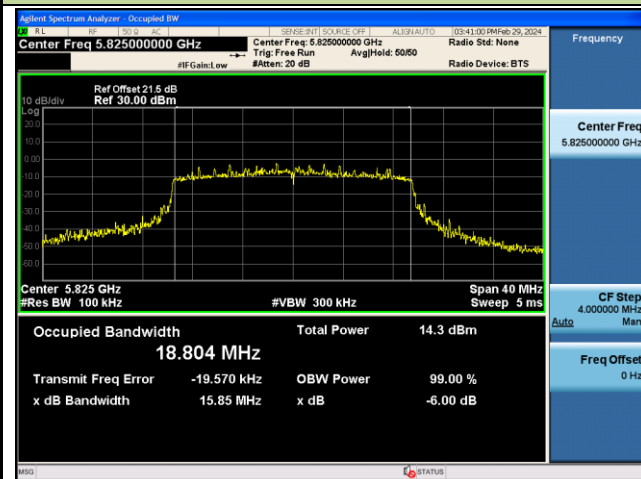
Channel 149 (5745MHz)



Channel 157 (5785MHz)

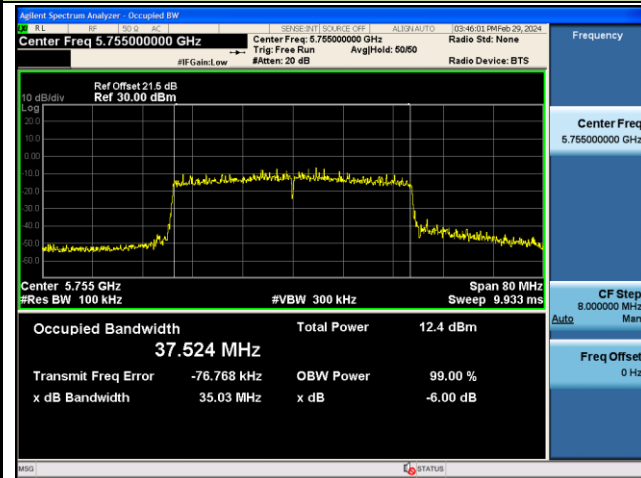


Channel 165 (5825MHz)

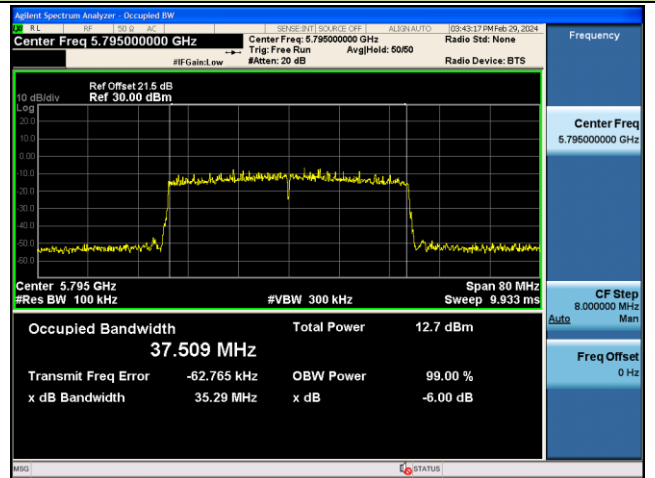


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

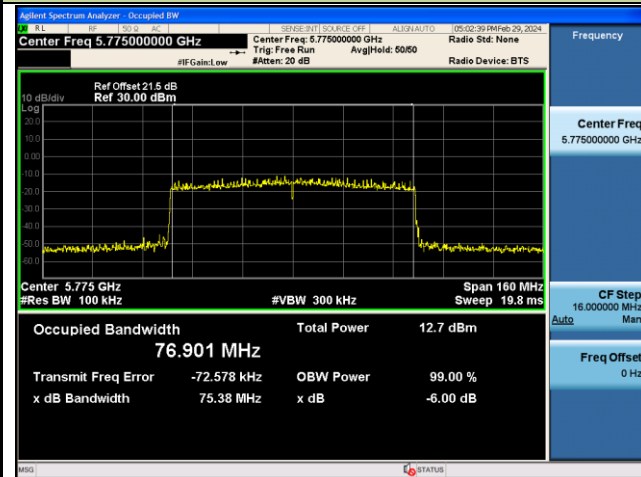


Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

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

For 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 (30 dBm).

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

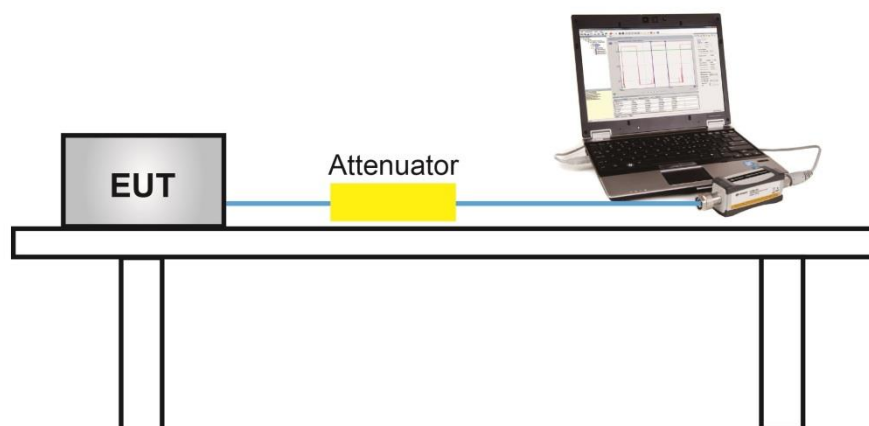
7.4.2. Test Procedure Used

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

7.4.3. Test Setting

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

7.4.4. Test Setup



7.4.5. Test Result

Product	WiFi Module	Test Engineer	Wen
Test Site	SR6	Test Date	2024/2/29

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	12.98	≤ 23.98	Pass
11a	6Mbps	44	5220	13.25	≤ 23.98	Pass
11a	6Mbps	48	5240	13.18	≤ 23.98	Pass
11a	6Mbps	52	5260	14.32	≤ 23.98	Pass
11a	6Mbps	60	5300	14.19	≤ 23.98	Pass
11a	6Mbps	64	5320	14.39	≤ 23.98	Pass
11a	6Mbps	100	5500	14.69	≤ 23.98	Pass
11a	6Mbps	116	5580	12.32	≤ 23.98	Pass
11a	6Mbps	140	5700	12.44	≤ 23.98	Pass
11a	6Mbps	144	5720	12.72	≤ 22.73	Pass
11a	6Mbps	149	5745	12.57	≤ 30.00	Pass
11a	6Mbps	157	5785	12.81	≤ 30.00	Pass
11a	6Mbps	165	5825	14.05	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	12.58	≤ 23.98	Pass
11ac-VHT20	MCS0	40	5220	13.37	≤ 23.98	Pass
11ac-VHT20	MCS0	48	5240	13.24	≤ 23.98	Pass
11ac-VHT20	MCS0	52	5260	14.51	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	13.91	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	13.97	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	14.60	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	12.34	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	11.94	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	12.50	≤ 22.86	Pass
11ac-VHT20	MCS0	149	5745	12.37	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	12.71	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	13.99	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	13.10	≤ 23.98	Pass
11ac-VHT40	MCS0	46	5230	13.32	≤ 23.98	Pass
11ac-VHT40	MCS0	54	5270	14.54	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	14.43	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	15.02	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	15.14	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	12.43	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	12.59	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	12.61	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	12.82	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	12.94	≤ 23.98	Pass
11ac-VHT80	MCS0	58	5290	14.19	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	14.83	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	12.32	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	12.52	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	12.64	≤ 30.00	Pass
11ax-HE20	MCS0	36	5180	10.01	≤ 23.98	Pass
11ax-HE20	MCS0	40	5220	10.18	≤ 23.98	Pass
11ax-HE20	MCS0	48	5240	10.21	≤ 23.98	Pass
11ax-HE20	MCS0	52	5260	10.78	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	11.21	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	11.29	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	11.91	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	9.48	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	9.57	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	9.81	≤ 22.86	Pass
11ax-HE20	MCS0	149	5745	9.37	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	9.87	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	11.31	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	10.15	≤ 23.98	Pass
11ax-HE40	MCS0	46	5230	10.40	≤ 23.98	Pass
11ax-HE40	MCS0	54	5270	11.40	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	11.36	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	12.09	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	12.23	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	9.59	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	9.76	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	9.61	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	10.04	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	11.05	≤ 23.98	Pass
11ax-HE80	MCS0	58	5290	12.28	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	13.06	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	10.53	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	10.70	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	10.85	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	10.95	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	13.02	≤ 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 5150 - 5250MHz and 5250- 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 dBm.

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

For 802.11a Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + BW_{26\text{dBc}}/2) = 22.73$ dBm.

For 802.11ac Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + BW_{26\text{dBc}}/2) = 22.86$ dBm.

For 802.11ax Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + BW_{26\text{dBc}}/2) = 22.86$ dBm.

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.

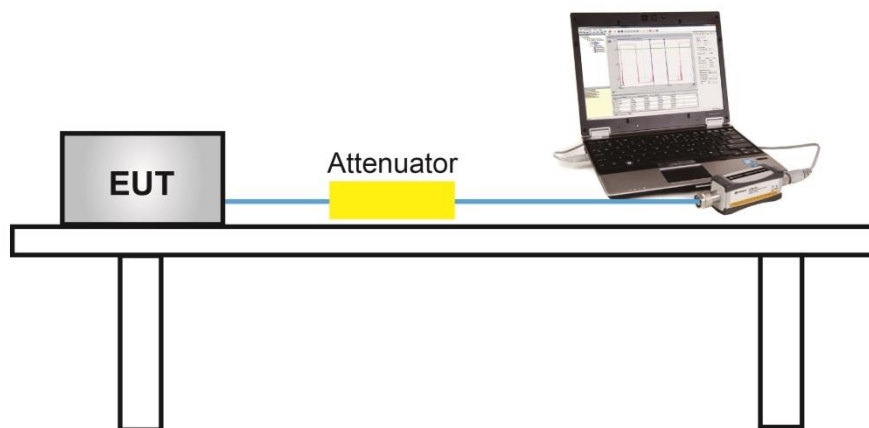
7.5.2. Test Procedure Used

KDB 789033 D02v02r01- Section 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.

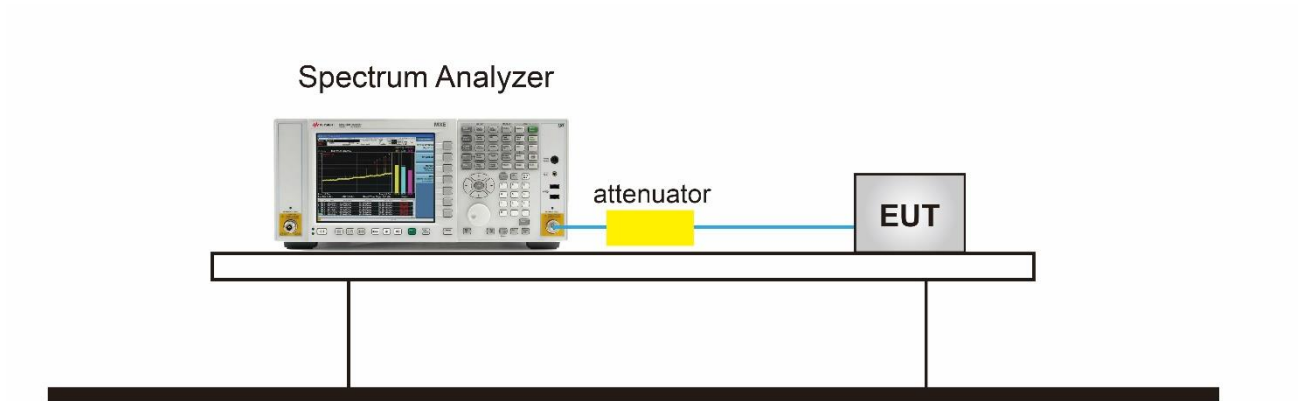
7.6.2. Test Procedure Used

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 = 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	WiFi Module	Test Engineer	Wen
Test Site	SR6	Test Date	2024/2/29
Mode	Power Spectral Density (U-NII- 1/-2a / -2c)		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	1.274	92.42%	1.616	≤ 11.00	Pass
11a	6Mbps	44	5220	2.154	92.42%	2.496	≤ 11.00	Pass
11a	6Mbps	48	5240	1.415	92.42%	1.757	≤ 11.00	Pass
11a	6Mbps	52	5260	3.324	92.42%	3.666	≤ 11.00	Pass
11a	6Mbps	60	5300	2.910	92.42%	3.252	≤ 11.00	Pass
11a	6Mbps	64	5320	3.207	92.42%	3.549	≤ 11.00	Pass
11a	6Mbps	100	5500	3.357	92.42%	3.699	≤ 11.00	Pass
11a	6Mbps	116	5580	0.858	92.42%	1.200	≤ 11.00	Pass
11a	6Mbps	140	5700	0.806	92.42%	1.148	≤ 11.00	Pass
11a	6Mbps	144	5720	1.054	92.42%	1.396	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	1.117	84.61%	1.843	≤ 11.00	Pass
11ac-VHT20	MCS0	40	5220	1.478	84.61%	2.204	≤ 11.00	Pass
11ac-VHT20	MCS0	48	5240	1.575	84.61%	2.301	≤ 11.00	Pass
11ac-VHT20	MCS0	52	5260	3.078	84.61%	3.804	≤ 11.00	Pass
11ac-VHT20	MCS0	60	5300	3.113	84.61%	3.839	≤ 11.00	Pass
11ac-VHT20	MCS0	64	5320	2.994	84.61%	3.720	≤ 11.00	Pass
11ac-VHT20	MCS0	100	5500	2.788	84.61%	3.514	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	0.508	84.61%	1.234	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	0.281	84.61%	1.007	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	0.794	84.61%	1.520	≤ 11.00	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	-1.606	88.86%	-1.093	≤ 11.00	Pass
11ac-VHT40	MCS0	46	5230	-1.787	88.86%	-1.274	≤ 11.00	Pass
11ac-VHT40	MCS0	54	5270	-0.746	88.86%	-0.233	≤ 11.00	Pass
11ac-VHT40	MCS0	62	5310	-0.645	88.86%	-0.132	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	-0.541	88.86%	-0.028	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	-0.586	88.86%	-0.073	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	-3.012	88.86%	-2.499	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	-3.170	88.86%	-2.657	≤ 11.00	Pass
11ac-VHT80	MCS0	42	5210	-7.695	81.29%	-6.795	≤ 11.00	Pass
11ac-VHT80	MCS0	58	5290	-4.195	81.29%	-3.295	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	-5.993	81.29%	-5.093	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	-7.591	81.29%	-6.691	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	-9.588	81.29%	-8.688	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	-3.993	89.57%	-3.515	≤ 11.00	Pass
11ax-HE20	MCS0	44	5220	-3.451	89.57%	-2.973	≤ 11.00	Pass
11ax-HE20	MCS0	48	5240	-3.955	89.57%	-3.477	≤ 11.00	Pass
11ax-HE20	MCS0	52	5260	-2.135	89.57%	-1.657	≤ 11.00	Pass
11ax-HE20	MCS0	60	5300	-2.455	89.57%	-1.977	≤ 11.00	Pass
11ax-HE20	MCS0	64	5320	-2.155	89.57%	-1.677	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	-1.496	89.57%	-1.018	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	-4.456	89.57%	-3.978	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	-4.323	89.57%	-3.845	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	-4.099	89.57%	-3.621	≤ 11.00	Pass

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE40	MCS0	38	5190	-6.838	86.98%	-6.232	≤ 11.00	Pass
11ax-HE40	MCS0	46	5230	-6.628	86.98%	-6.022	≤ 11.00	Pass
11ax-HE40	MCS0	54	5270	-5.693	86.98%	-5.087	≤ 11.00	Pass
11ax-HE40	MCS0	62	5310	-5.120	86.98%	-4.514	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	-5.244	86.98%	-4.638	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	-5.442	86.98%	-4.836	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	-7.584	86.98%	-6.978	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	-7.582	86.98%	-6.976	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	-8.328	79.18%	-7.314	≤ 11.00	Pass
11ax-HE80	MCS0	58	5290	-6.409	79.18%	-5.395	≤ 11.00	Pass
11ax-HE80	MCS0	106	5530	-7.814	79.18%	-6.800	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	-9.140	79.18%	-8.126	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	-9.321	79.18%	-8.307	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-11.869	65.65%	-10.042	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-9.755	65.65%	-7.928	≤ 11.00	Pass

Note 1: When EUT duty cycle ≥ 98%,

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

When EUT duty cycle < 98%,

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

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 11dBm/MHz.

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

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

Product	WiFi Module	Test Engineer	Wen
Test Site	SR6	Test Date	2024/2/29
Test Item	Power Spectral Density (U-NII-3)		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	-1.495	92.42%	-1.153	≤ 30.00	Pass
11a	6Mbps	157	5785	-1.106	92.42%	-0.764	≤ 30.00	Pass
11a	6Mbps	165	5825	0.158	92.42%	0.500	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	-2.440	84.61%	-1.714	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	-1.729	84.61%	-1.003	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	-0.429	84.61%	0.297	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	-5.740	88.86%	-5.227	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	-5.303	88.86%	-4.790	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	-9.320	81.29%	-8.420	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	-7.017	89.57%	-6.539	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	-5.949	89.57%	-5.471	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	-4.745	89.57%	-4.267	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	-9.960	86.98%	-9.354	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	-9.866	86.98%	-9.260	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	-12.598	79.18%	-11.584	≤ 30.00	Pass

Note 1: When EUT duty cycle ≥ 98%,

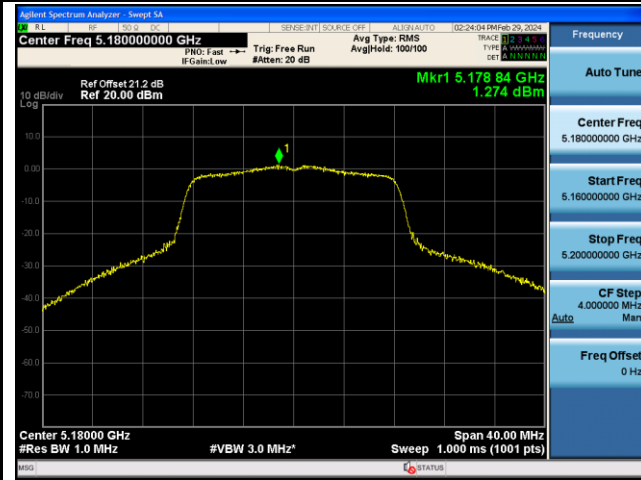
the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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) + $10 \cdot \log (1/\text{Duty Cycle})$.

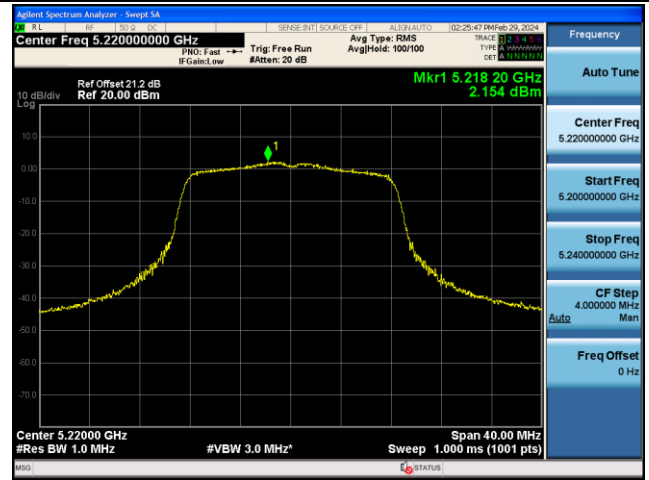
Note 2: PSD Limit (dBm/500kHz) = 30(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

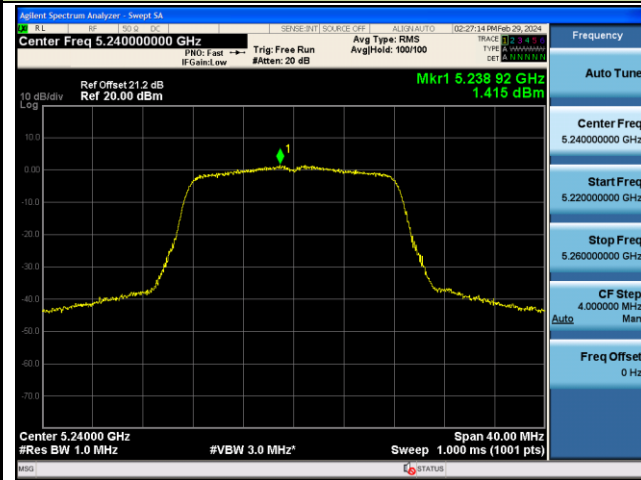
Channel 36 (5180MHz)



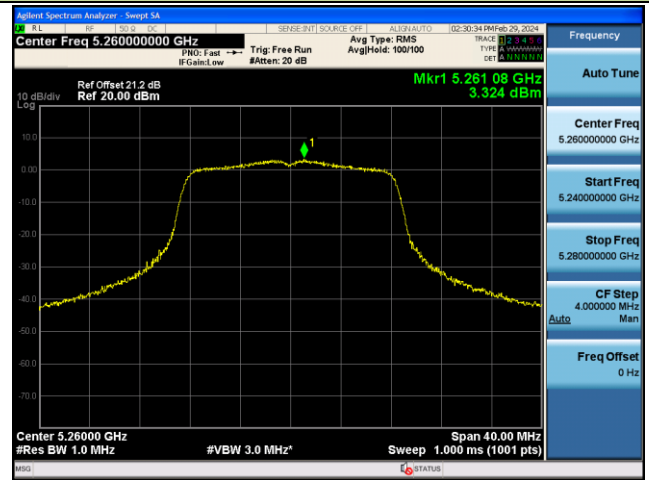
Channel 44 (5220MHz)



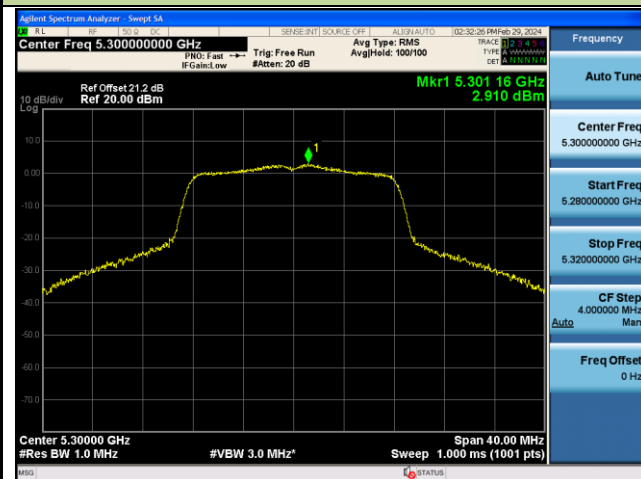
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

