

99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99%Bandwidth (MHz)	Limit (MHz)
11a	5260	16.536	N/A
	5300	16.518	
	5320	16.576	
11n HT20	5260	17.592	N/A
	5300	17.605	
	5320	17.606	
11n HT40	5270	36.117	N/A
	5310	36.089	
11ac VHT20	5260	17.589	N/A
	5300	17.594	
	5320	17.577	
11ac VHT40	5270	35.990	N/A
	5310	36.000	
11ac VHT80	5290	75.249	N/A
Conclusion: Pass			

FCC ID: 2ACCJB225

U-NII-2C Band:
26dB bandwidth

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-17	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: Lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	-26dBBandwidth (MHz)	Limit (MHz)
11a	5500	27.27	N/A
	5600	23.48	
	5720	25.31	
11n HT20	5500	22.65	N/A
	5600	21.92	
	5720	22.04	
11n HT40	5510	42.08	N/A
	5590	41.94	
	5710	41.92	
11ac VHT20	5500	20.49	N/A
	5600	22.96	
	5720	20.45	
11ac VHT40	5510	40.88	N/A
	5590	42.80	
	5710	40.56	
11acVHT80	5530	86.50	N/A
	5610	81.08	
	5690	81.20	
Conclusion:Pass			

99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99%Bandwidth (MHz)	Limit (MHz)
11a	5500	16.728	N/A
	5600	16.661	
	5720	16.671	
11n HT20	5500	17.694	N/A
	5600	17.677	
	5720	17.731	
11n HT40	5510	36.200	N/A
	5590	36.129	
	5710	36.195	
11ac VHT20	5500	17.612	N/A
	5600	17.677	
	5720	17.628	
11ac VHT40	5510	36.119	N/A
	5590	36.097	
	5710	36.084	
11ac VHT80	5530	75.342	N/A
	5610	75.359	
	5690	75.450	

Conclusion: Pass

FCC ID: 2ACCJB225

U-NII-3 Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-05-28~06-18	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

6dB bandwidth

Test Mode	Frequency (MHz)	-6dBBandwidth (MHz)	Limit (KHz)
11a	5745	15.13	≥500
	5785	15.16	
	5825	15.15	
11n HT20	5745	13.77	≥500
	5785	15.12	
	5825	15.15	
11n HT40	5755	35.14	≥500
	5795	35.10	
11ac VHT20	5745	15.16	≥500
	5785	13.91	
	5825	15.15	
11ac VHT40	5755	35.19	≥500
	5795	35.19	
11ac VHT80	5775	75.21	≥500
Conclusion: Pass			

26dB bandwidth

Test Mode	Frequency (MHz)	-26dBBandwidth (MHz)	Limit (MHz)
11a	5745	19.84	N/A
	5785	19.81	
	5825	19.64	
11n HT20	5745	20.85	N/A
	5785	20.72	
	5825	20.65	
11n HT40	5755	40.86	N/A
	5795	40.97	
11ac VHT20	5745	20.15	N/A
	5785	20.12	
	5825	20.16	
11ac VHT40	5755	40.84	N/A
	5795	40.07	
11ac VHT80	5775	80.59	N/A
Conclusion: Pass			

99% Occupied bandwidth:

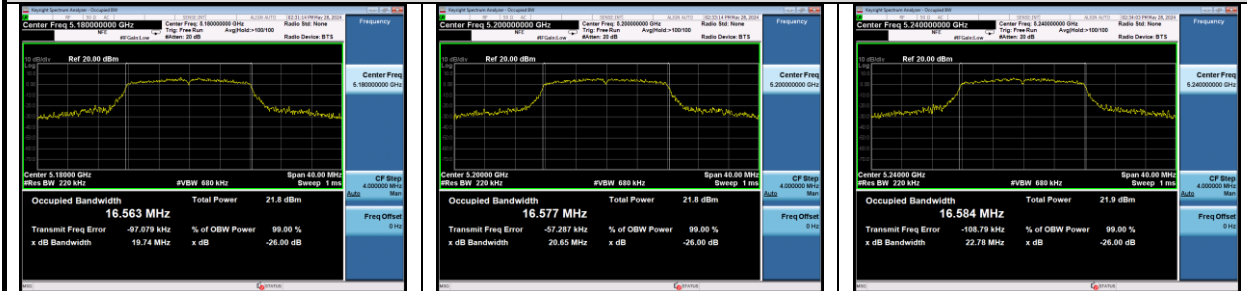
Test Mode	Frequency (MHz)	99%Bandwidth (MHz)	Limit (MHz)
11a	5745	16.547	N/A
	5785	16.483	
	5825	16.499	
11n HT20	5745	17.692	N/A
	5785	17.628	
	5825	17.649	
11n HT40	5755	36.142	N/A
	5795	36.156	
11ac VHT20	5745	17.604	N/A
	5785	17.570	
	5825	17.600	
11ac VHT40	5755	36.046	N/A
	5795	35.969	
11ac VHT80	5775	75.225	N/A

Conclusion: Pass

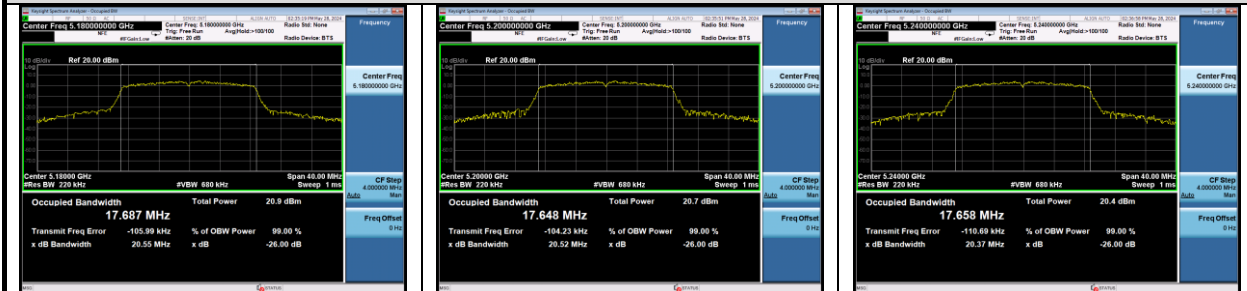
26dB bandwidth & 99% Occupied bandwidth

U-NII-1 Band

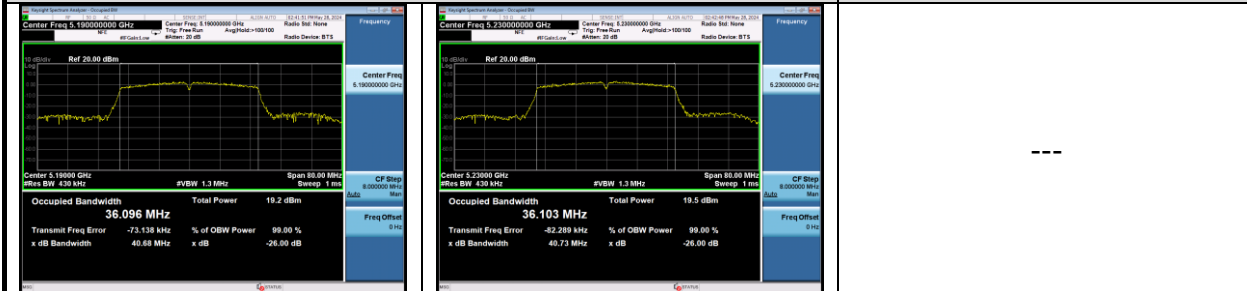
IEEE 802.11a



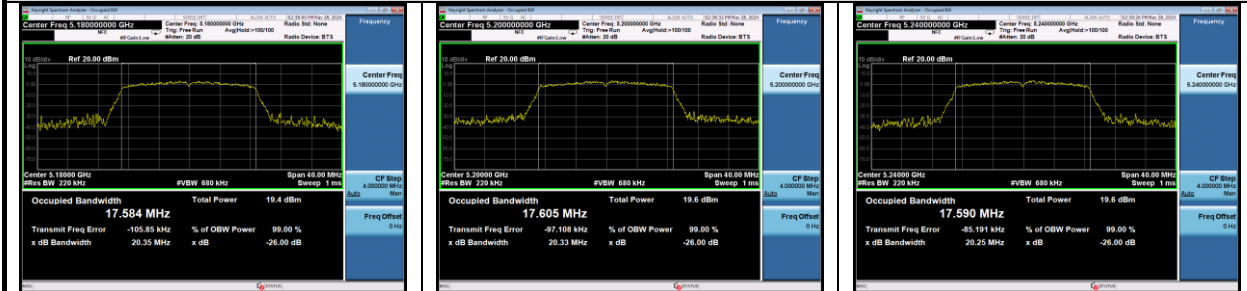
IEEE 802.11n HT20



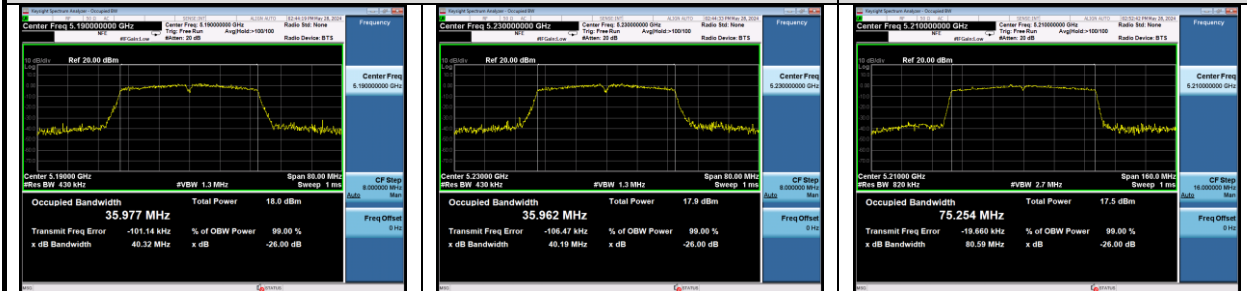
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40

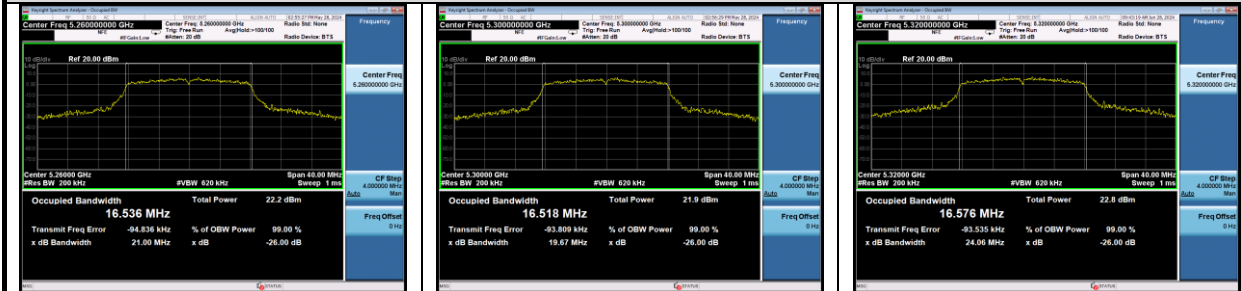


IEEE 802.11ac VHT80

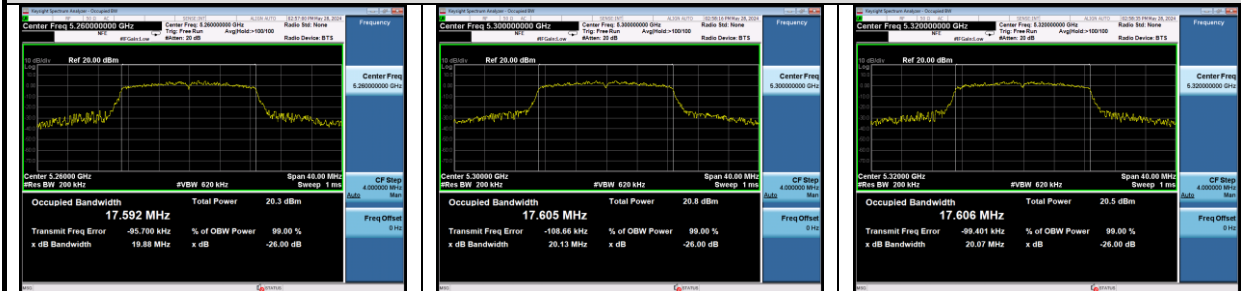
26dB bandwidth & 99% Occupied bandwidth

U-NII-2A Band

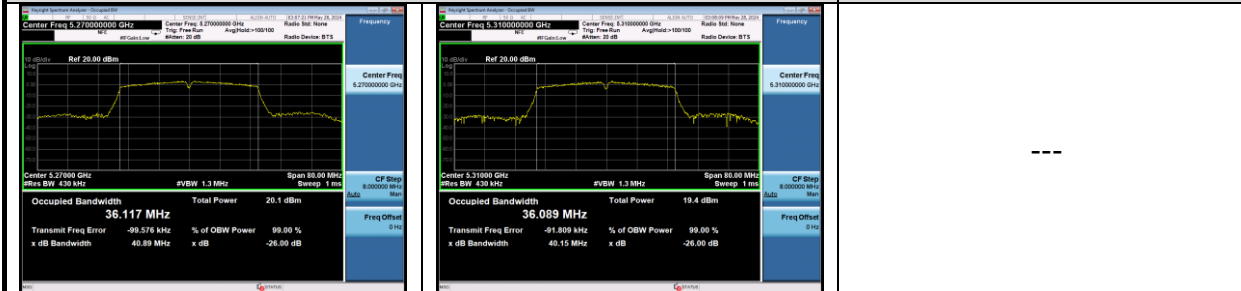
IEEE 802.11a



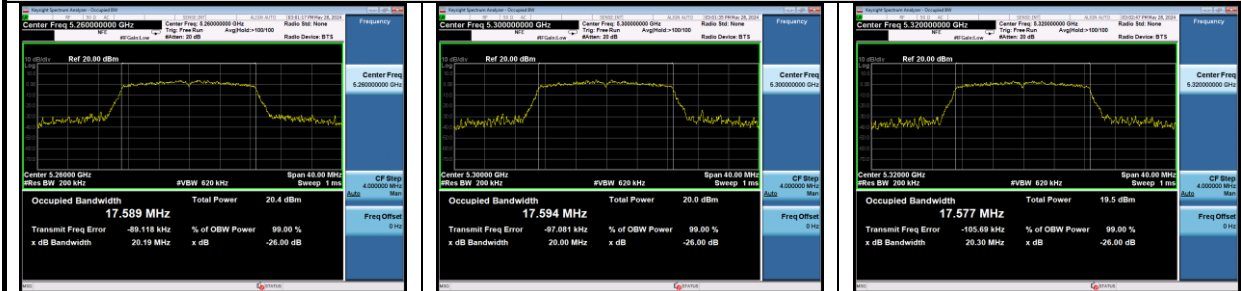
IEEE 802.11n HT20



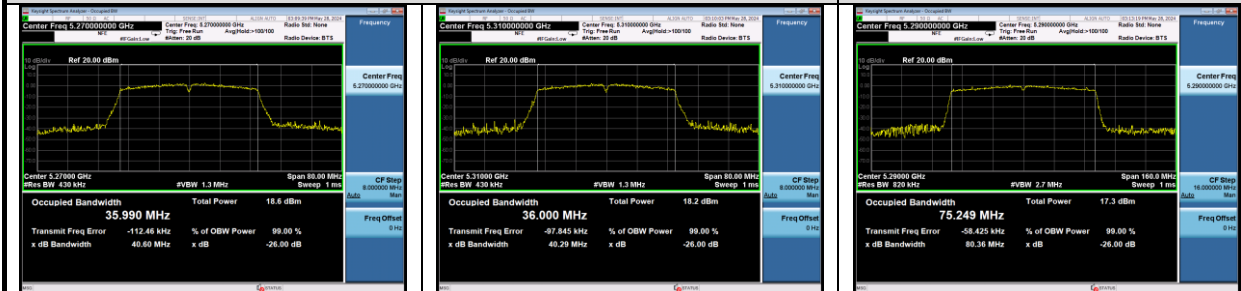
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80

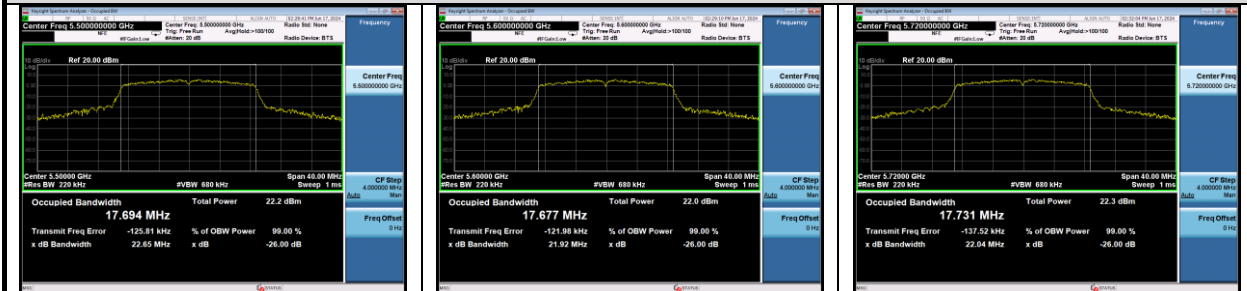
26dB bandwidth & 99% Occupied bandwidth

U-NII-2C Band

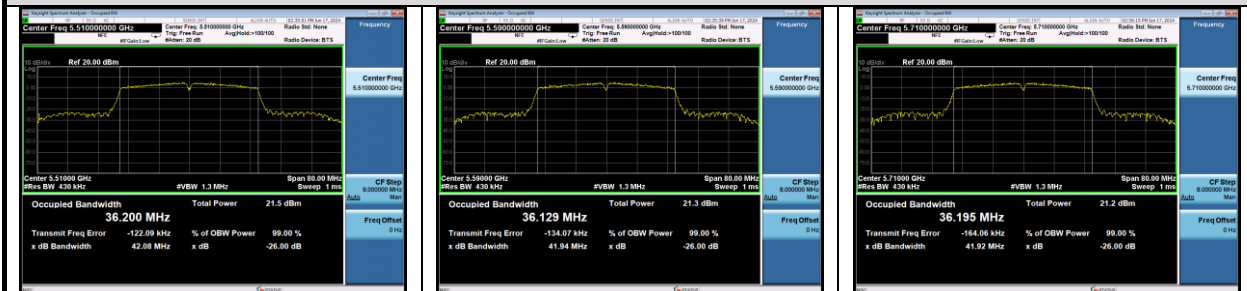
IEEE 802.11a



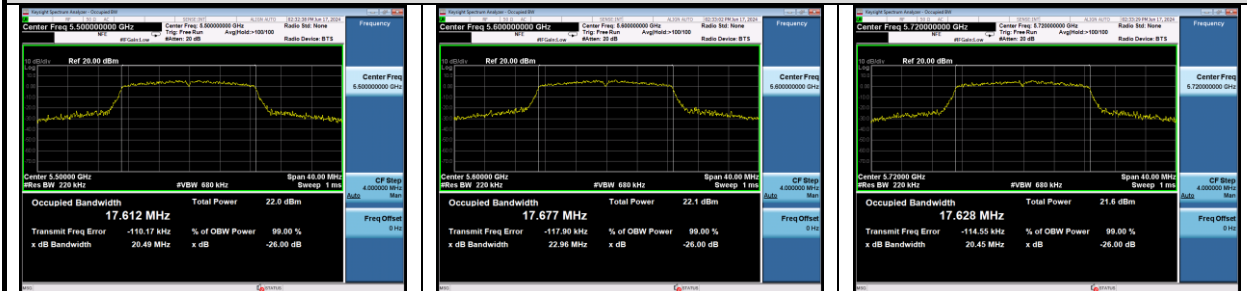
IEEE 802.11n HT20

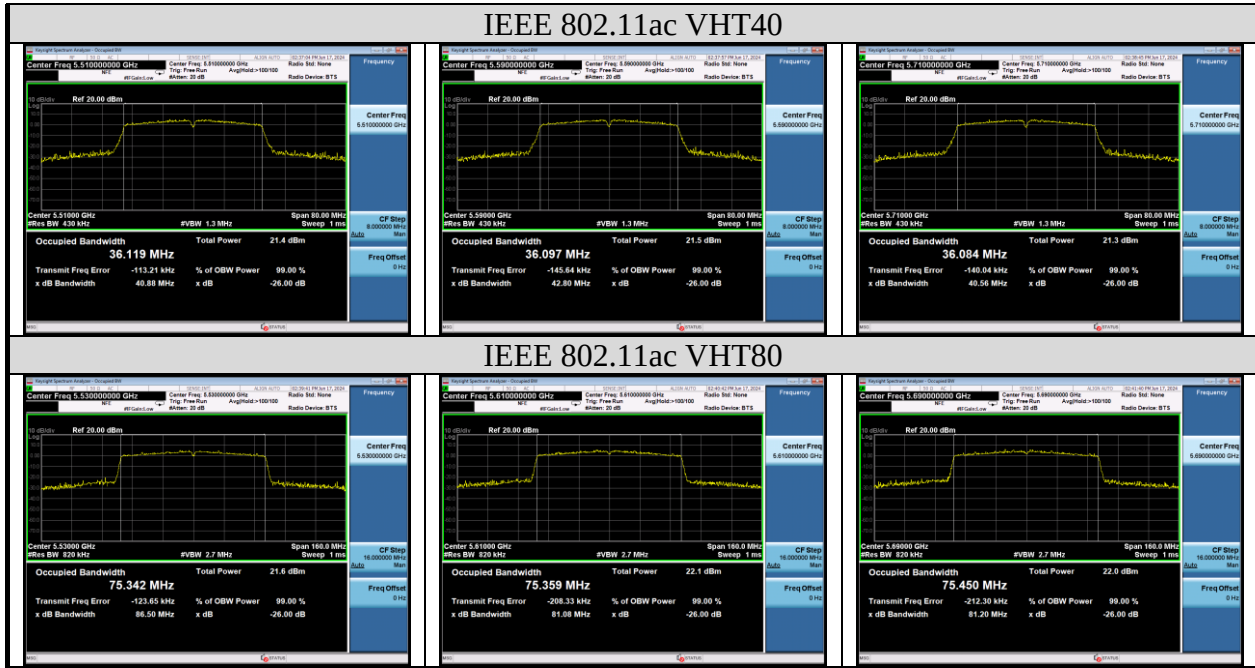


IEEE 802.11n HT40



IEEE 802.11ac VHT20





6dB bandwidth

U-NII-3 Band

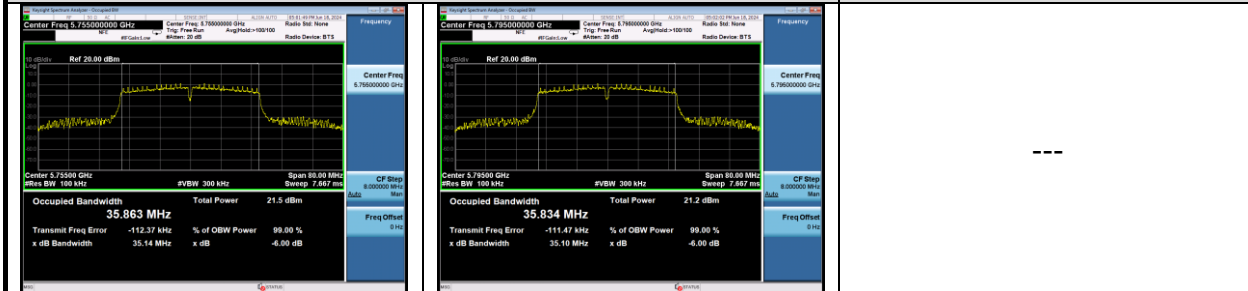
IEEE 802.11a



IEEE 802.11n HT20



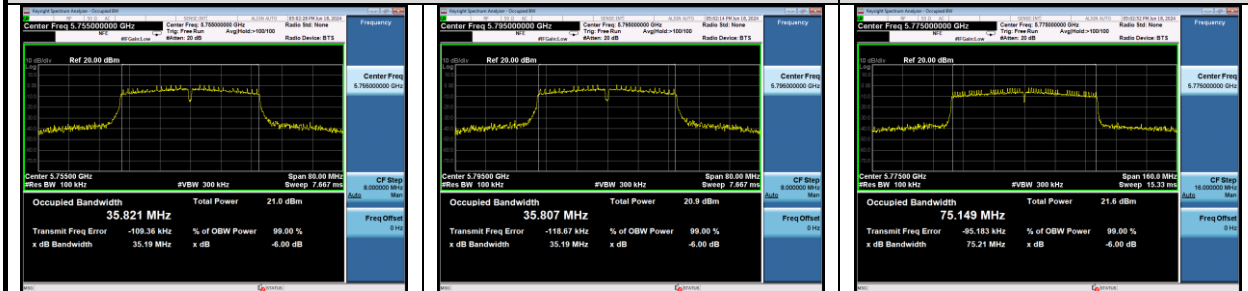
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40

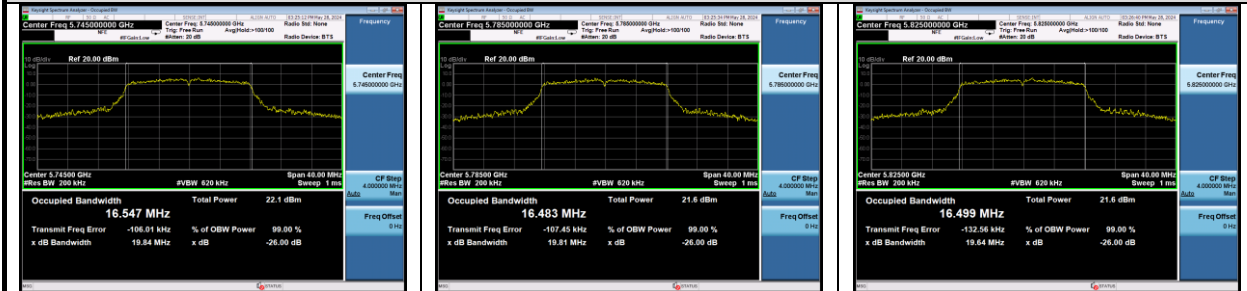


IEEE 802.11ac VHT80

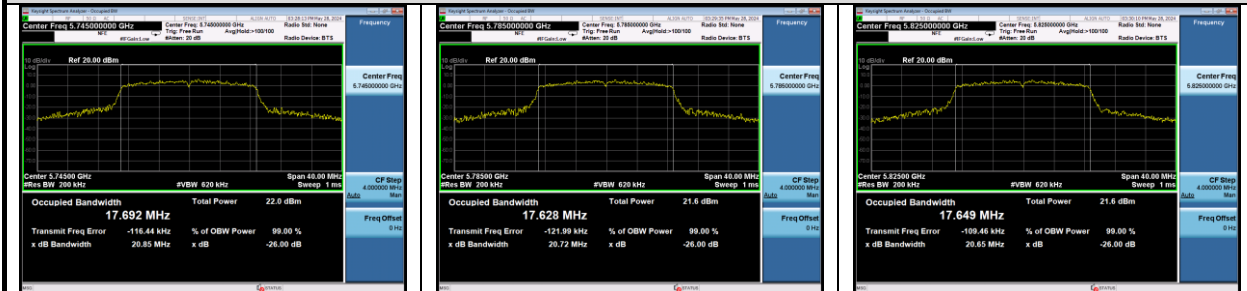
26dB bandwidth & 99% Occupied bandwidth

U-NII-3 Band

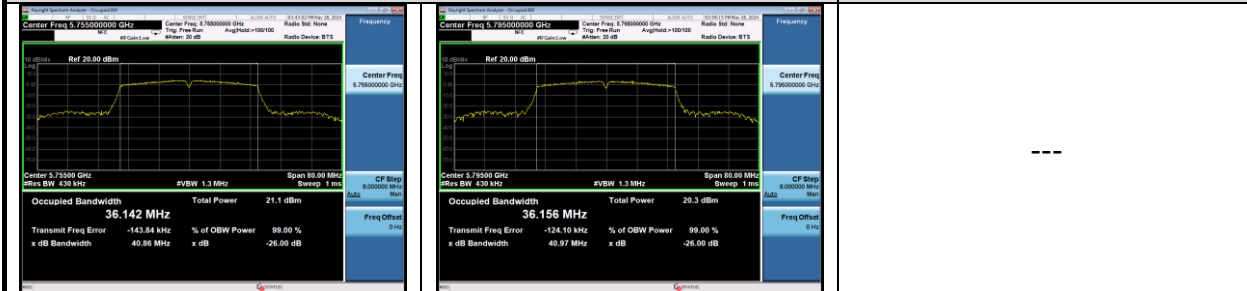
IEEE 802.11a



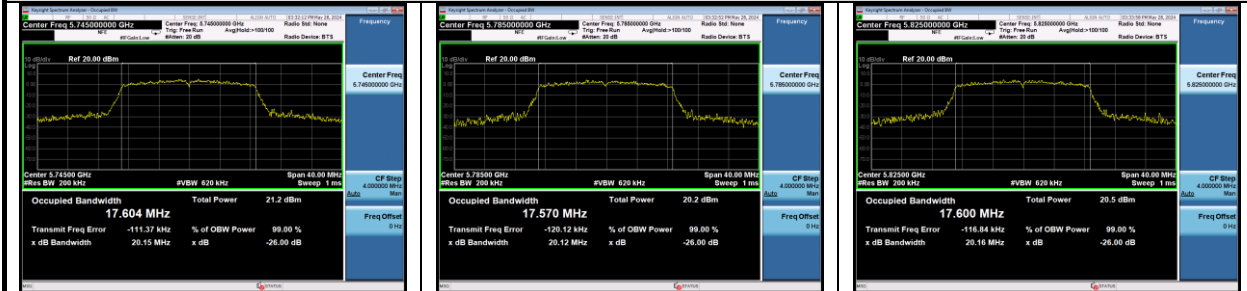
IEEE 802.11n HT20



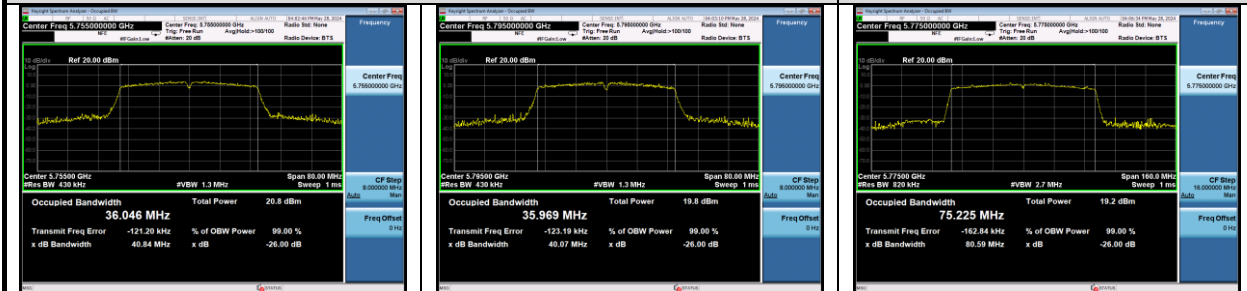
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80

7. OUTPUT POWER TEST

7.1. Limit

For the band 5.15–5.25 GHz.

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW 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.

7.2. Test Procedure

1. Connected the EUT's antenna port to measure device by 10dB attenuator.
2. Use the test method described in ANSI C63.10 clause 12.3 Method SA-1
 - 1) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
 - 2) Set RBW = 1 MHz.
 - 3) Set VBW $\geq$ 3 MHz.
 - 4) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
 - 5) Sweep time = auto.
 - 6) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
 - 7) If transmit duty cycle $< 98\%$, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run."
 - 8) Trace average at least 100 traces in power averaging (rms) mode.
 - 9) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

7.3.Test Results

U-NII-1 Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Setting	duty cycle factor (dB)	Output Power (dBm)	Limit (dBm)
11a	5180	17	0.10	13.99	23.98
	5200	17	0.10	13.98	
	5240	17	0.10	14.46	
11n HT20	5180	17	0.13	13.74	23.98
	5200	17	0.13	13.94	
	5240	17	0.13	14.22	
11n HT40	5190	15	0.25	11.89	23.98
	5230	15	0.25	12.06	
11ac VHT20	5180	15	0.12	11.33	23.98
	5200	15	0.12	11.82	
	5240	15	0.12	12.05	
11ac VHT40	5190	17	0.23	13.41	23.98
	5230	17	0.23	13.55	
11ac VHT80	5210	17	0.48	13.45	23.98
Conclusion: Pass					

U-NII-2A Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-05~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by:lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Setting	Duty factor(dB)	Output Power (dBm)	Limit (dBm)
11a	5260	17	0.10	14.49	23.98
	5300	17	0.10	14.60	
	5320	17	0.10	14.05	
11n HT20	5260	17	0.12	13.88	23.98
	5300	17	0.12	13.86	
	5320	17	0.12	13.91	
11n HT40	5270	15	0.25	11.53	23.98
	5310	15	0.25	11.69	
11ac VHT20	5260	15	0.12	12.06	23.98
	5300	15	0.12	12.11	
	5320	15	0.12	11.69	
11ac VHT40	5270	17	0.22	13.48	23.98
	5310	17	0.22	13.58	
11ac VHT80	5290	17	0.49	13.43	23.98
Conclusion:Pass					

U-NII-2C Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-07~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by:lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Setting	Duty factor(dB)	Output Power (dBm)	Limit (dBm)
11a	5500	17	0.11	13.95	23.98
	5600	17	0.11	14.16	
	5720	17	0.11	14.09	
11n HT20	5500	17	0.12	13.93	23.98
	5600	17	0.12	14.11	
	5720	17	0.12	14.03	
11n HT40	5510	15	0.25	11.88	23.98
	5590	15	0.25	11.91	
	5710	15	0.25	11.98	
11ac VHT20	5500	15	0.11	12.46	23.98
	5600	15	0.11	12.45	
	5720	15	0.11	11.83	
11ac VHT40	5510	17	0.24	13.99	23.98
	5590	17	0.24	14.10	
	5710	17	0.24	14.08	
11ac VHT80	5530	17	0.49	14.18	23.98
	5610	17	0.49	14.12	
	5690	17	0.49	14.04	
Conclusion:Pass					