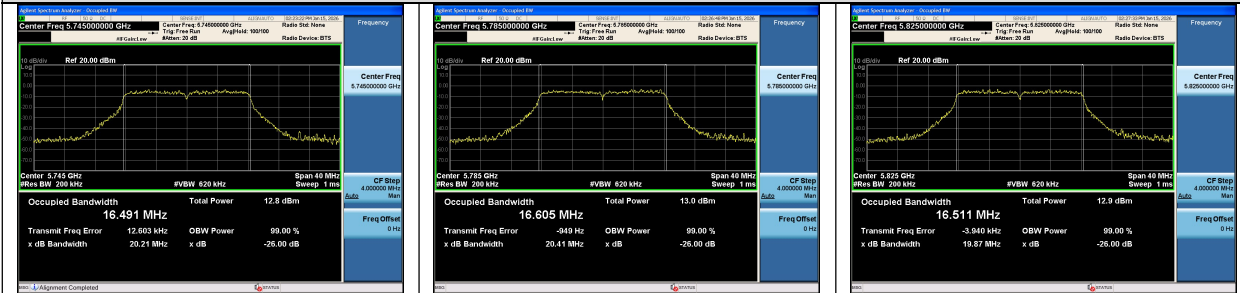


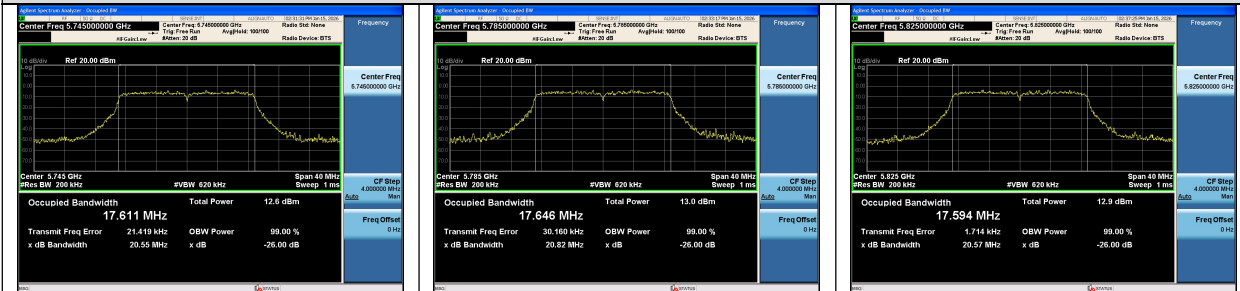
26dB bandwidth & 99% Occupied bandwidth

U-NII-3 Band

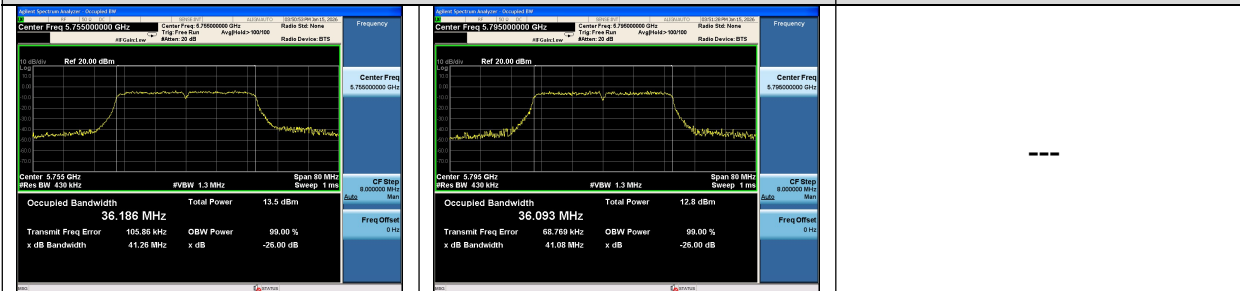
IEEE 802.11a



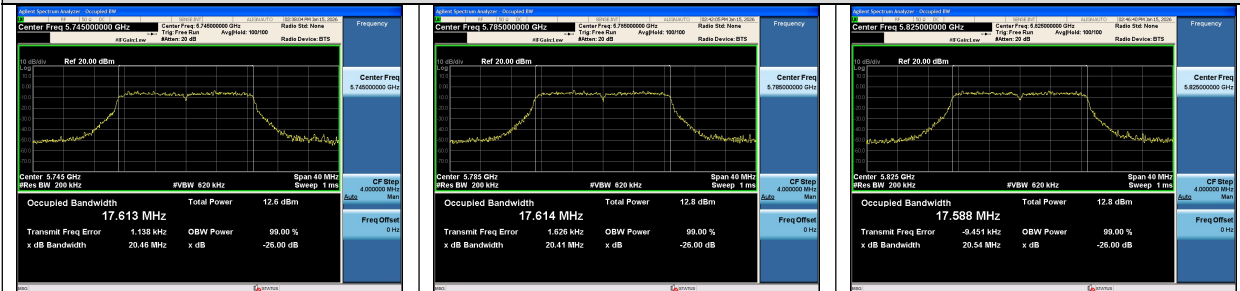
IEEE 802.11n HT20



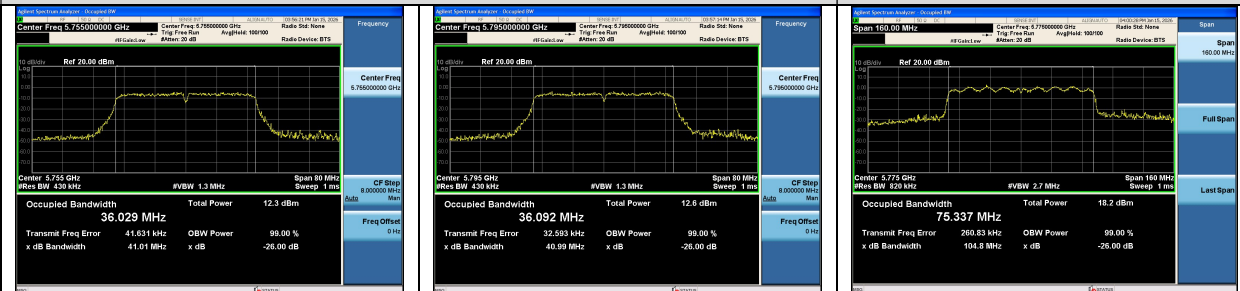
IEEE 802.11n HT40



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 20dB 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

EUT: Desktop 3D Printer		
M/N: Phrozen Sonic LS+ 3D Printer		
Test date: 2026-01-08	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: Carl	Test site: RF site	Temperature: 22.3±0.6°C

U-NII-1 Band

Test Mode	Frequency (MHz)	Power Setting	Output Power (dBm)	Limit (dBm)
11a	5180	Default	6.28	30
	5200	Default	6.49	
	5240	Default	6.33	
11n HT20	5180	Default	5.99	30
	5200	Default	6.22	
	5240	Default	6.00	
11n HT40	5190	36	3.71	30
	5230	36	4.37	
11ac VHT20	5180	Default	6.25	30
	5200	Default	6.52	
	5240	Default	6.29	
11ac VHT40	5190	36	3.97	30
	5230	36	4.63	
11ac VHT80	5210	Default	6.19	30
Conclusion: Pass				

Test Mode	Frequency (MHz)	EIRP (dBm)	Limit (dBm)
11a	5180	10.99	23
	5200	11.20	
	5240	11.04	
11n HT20	5180	10.70	23
	5200	10.93	
	5240	10.71	
11n HT40	5190	8.42	23
	5230	9.08	
11ac VHT20	5180	10.96	23
	5200	11.23	
	5240	11.00	
11ac VHT40	5190	8.68	23
	5230	9.34	
11ac VHT80	5210	10.90	23
Conclusion:Pass			

U-NII-3 Band:

Test Mode	Frequency (MHz)	Power Setting	Output Power (dBm)	Limit (dBm)
11a	5475	42	7.25	30
	5485	42	7.53	
	5825	42	7.46	
11n HT20	5475	42	7.02	30
	5485	42	7.34	
	5825	42	7.34	
11n HT40	5755	42	7.18	30
	5795	42	7.26	
11ac VHT20	5475	42	7.40	30
	5485	42	7.61	
	5825	42	7.65	
11ac VHT40	5755	42	7.48	30
	5795	42	7.67	
11ac VHT80	5775	42	7.27	30
Conclusion: Pass				