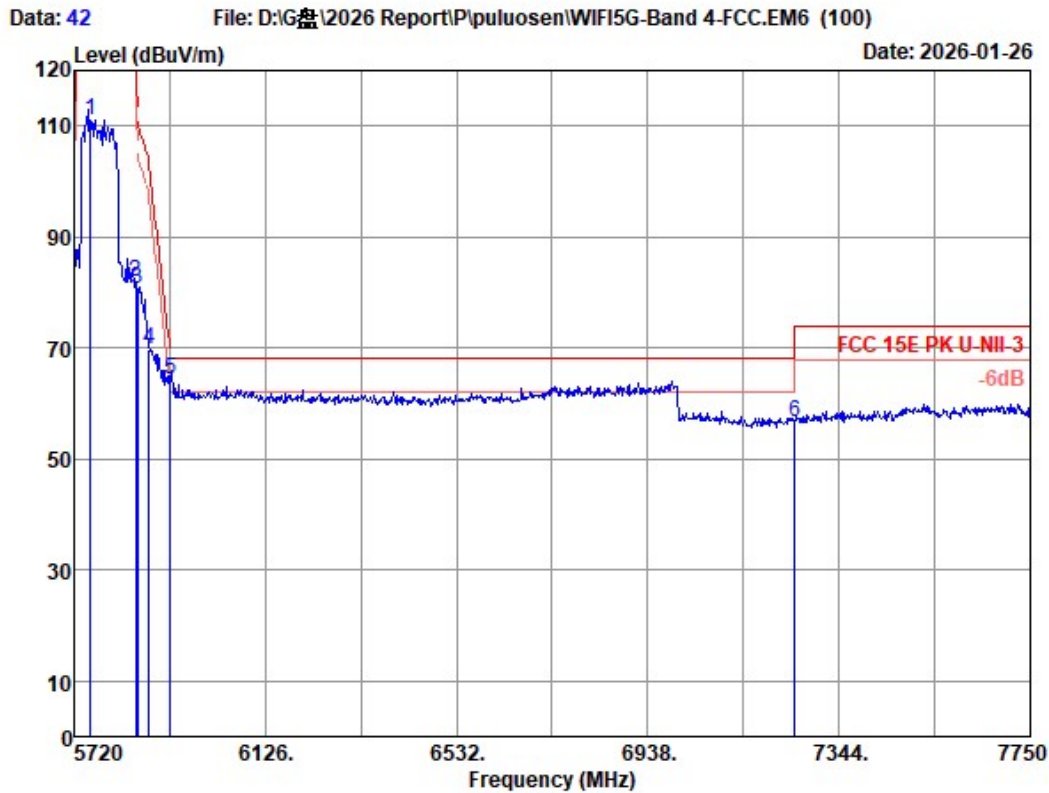
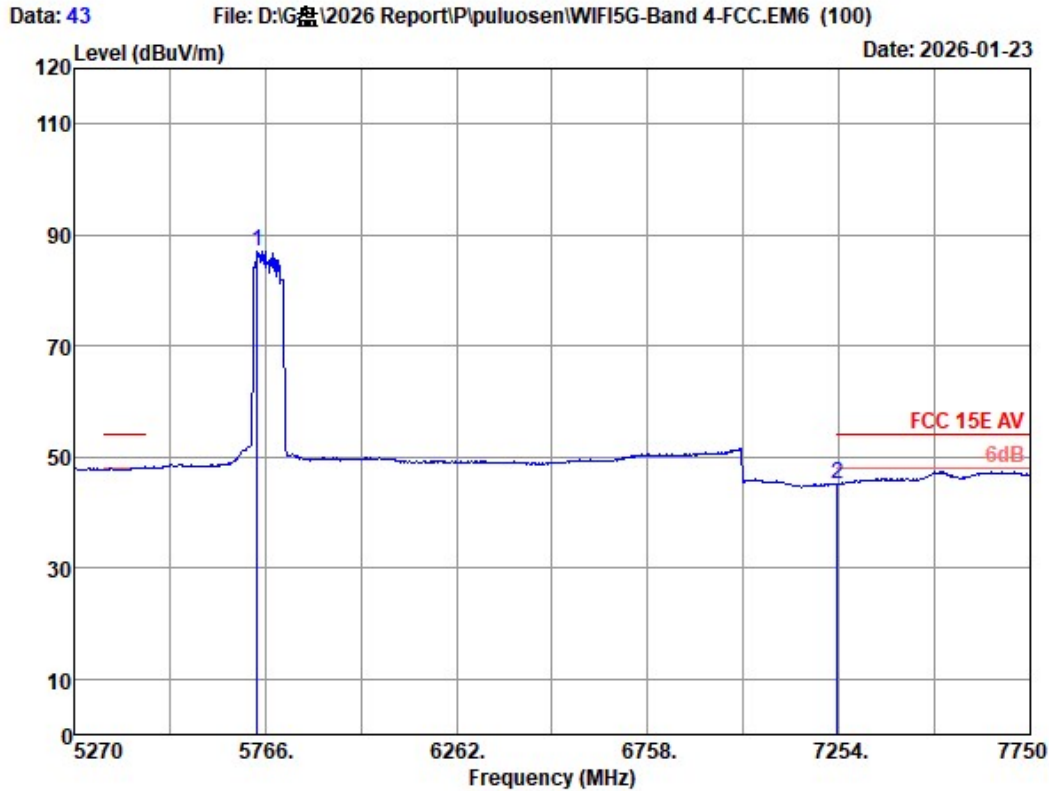




Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2025-3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Engineer : Epoch
 Env. / Ins. : 23.2°C/52.6%
 Test Mode : WIFI5G 11ac80 5775MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin Limits (dB)	Remark
1	5754.510	33.62	1.00	31.25	107.82	111.19	-----	-----	Peak
2	5850.000	34.00	1.00	31.23	78.22	81.99	122.20	40.21	Peak
3	5855.000	33.99	1.00	31.23	76.94	80.70	110.80	30.10	Peak
4	5880.000	33.94	1.00	31.22	65.99	69.71	101.50	31.79	Peak
5	5925.000	34.05	1.00	31.22	60.55	64.38	68.20	3.82	Peak
6	7250.000	36.00	1.12	32.25	51.87	56.74	68.20	11.46	Peak

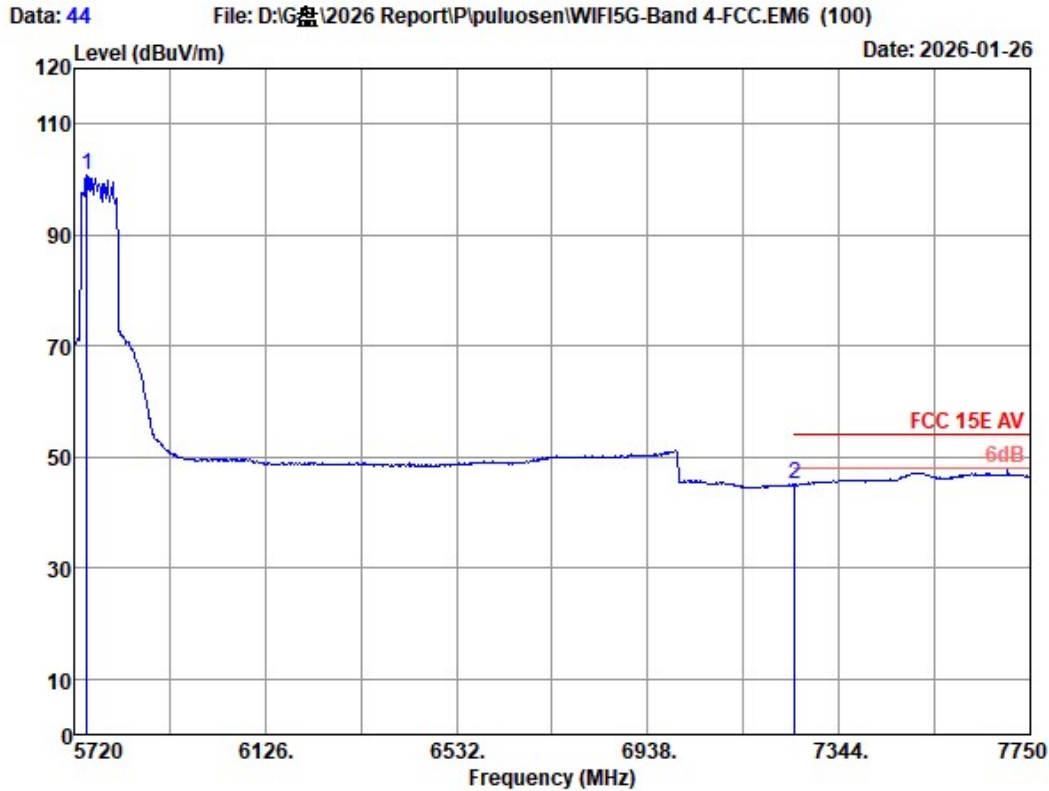
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 -Amp factor(peak)
 2. The emission levels that are 20dB below the official limit are not reported



Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2025-3115-4580 Ant. pol. : VERTICAL
 Limit : FCC 15E AV Engineer : Epoch
 Env. / Ins. : 23.2°C/52.6%
 Test Mode : WIFI5G 11ac80 5775MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin Limits (dB)	Remark
1	5746.160	33.61	1.00	31.25	83.79	87.15	-----	-----	Average
2	7250.000	36.00	1.12	32.25	40.36	45.23	54.00	8.77	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 -Amp factor(peak)
 2. The emission levels that are 20dB below the official
 limit are not reported



Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2025-3115-4580 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV Engineer : Epoch
 Env. / Ins. : 23.2°C/52.6%
 Test Mode : WIFI5G 11ac80 5775MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin Limits (dB)	Remark
1	5746.390	33.61	1.00	31.25	97.36	100.72	-----	-----	Average
2	7250.000	36.00	1.12	32.25	40.11	44.98	54.00	9.02	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 -Amp factor(peak)
 2. The emission levels that are 20dB below the official
 limit are not reported

6. 6dB & 26dB & 99% Occupied Bandwidth Test

6.1.Limit

6dB Bandwidth should be not less than 500kHz

6.2.Test Procedure

26dB Bandwidth:

Use the test method described in ANSI C63.10 clause 12.4.1:

- (a) Set RBW = approximately 1% of the emission bandwidth.
- (b) Set the VBW > RBW.
- (c) Detector = Peak.
- (d) Trace mode = max hold.
- (e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6dB Bandwidth:

Use the test method described in 789033 D02 v02r01:

- (f) Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:
 - (a) Set RBW = 100 kHz.
 - (b) Set the video bandwidth (VBW) ≥ 3 RBW.
 - (c) Detector = Peak.
 - (d) Trace mode = max hold
 - (e) Sweep = auto couple
 - (f) Allow the trace to stabilize
 - (g) 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

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

99% Occupied bandwidth:

Use the test method described in ANSI C63.10 Section 6.9.2:

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.3.Test Results

EUT: Desktop 3D Printer		
M/N: Phrozen Sonic LS+ 3D Printer		
Test date: 2026-01-15	Pressure: 102.5±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Carl	Test site: RF site	Temperature: 22.4±0.6°C

U-NII-1 Band:

Test Mode	Frequency (MHz)	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
11a	5180	16.498	20.16	N/A
	5200	16.489	20.36	
	5240	16.520	19.92	
11n HT20	5180	17.662	20.91	N/A
	5200	17.601	20.75	
	5240	17.608	20.62	
11n HT40	5190	36.043	41.59	N/A
	5230	36.147	41.40	
11ac VHT20	5180	17.636	20.93	N/A
	5200	17.596	20.81	
	5240	17.606	20.67	
11ac VHT40	5190	36.050	40.57	N/A
	5230	36.078	40.95	
11ac VHT80	5210	74.935	80.32	N/A
Conclusion: Pass				

U-NII3 Band:

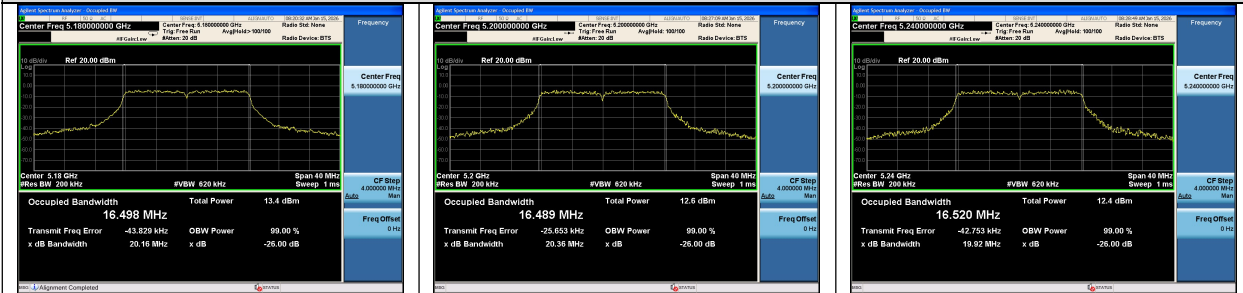
Test Mode	Frequency (MHz)	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
11a	5745	16.491	20.21	N/A
	5785	16.605	20.41	
	5825	16.511	19.87	
11n HT20	5745	17.611	20.55	N/A
	5785	17.646	20.82	
	5825	17.594	20.57	
11n HT40	5755	36.186	41.26	N/A
	5795	36.093	41.08	
11ac VHT20	5745	17.613	20.46	N/A
	5785	17.614	20.41	
	5825	17.588	20.54	
11ac VHT40	5755	36.029	41.01	N/A
	5795	36.092	40.99	
11ac VHT80	5775	75.337	104.8	N/A
Conclusion: Pass				

Test Mode	Frequency (MHz)	6dBBandwidth (MHz)	Limit (KHz)
11a	5745	16.32	≥500
	5785	16.33	
	5825	16.36	
11n HT20	5745	17.05	≥500
	5785	16.61	
	5825	16.71	
11n HT40	5755	35.13	≥500
	5795	35.18	
11ac VHT20	5745	17.09	≥500
	5785	16.95	
	5825	16.95	
11ac VHT40	5755	35.18	≥500
	5795	35.18	
11ac VHT80	5775	75.13	≥500
Conclusion: Pass			

26dB bandwidth & 99% Occupied bandwidth

U-NII-1 Band

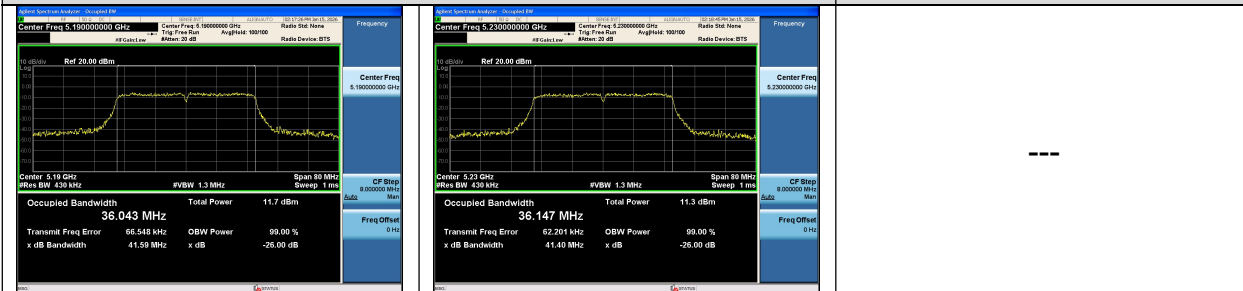
IEEE 802.11a



IEEE 802.11n HT20



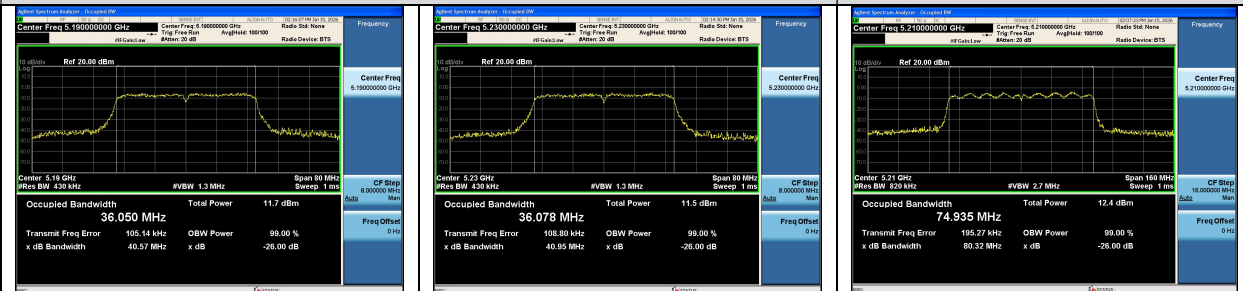
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80

