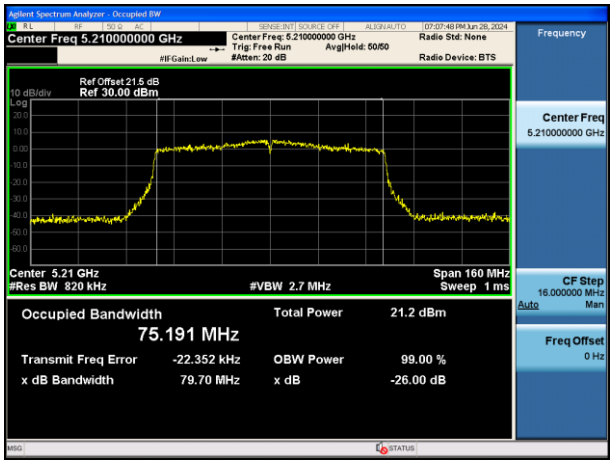
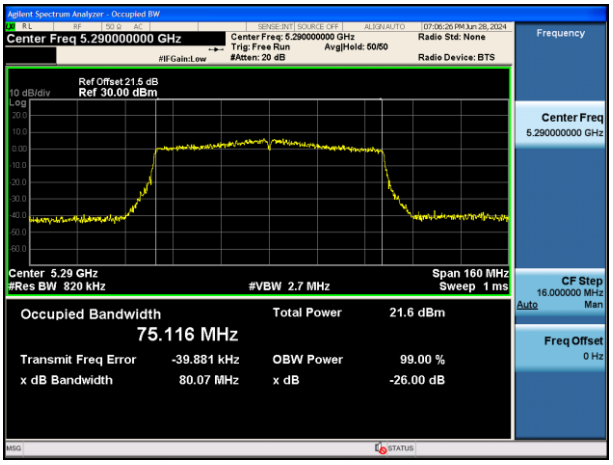
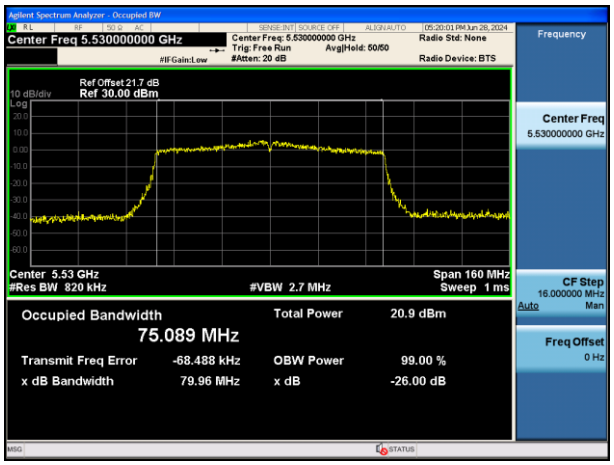
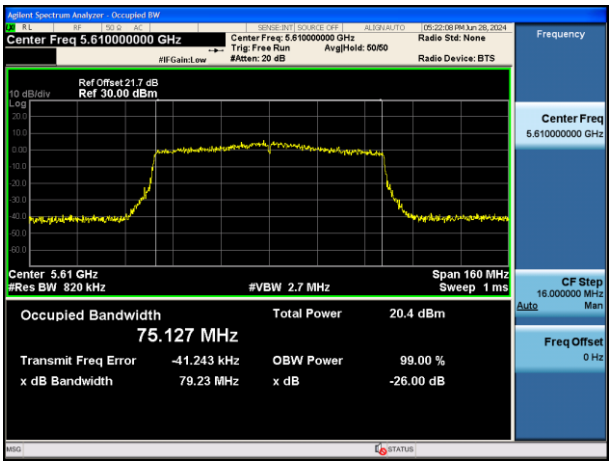
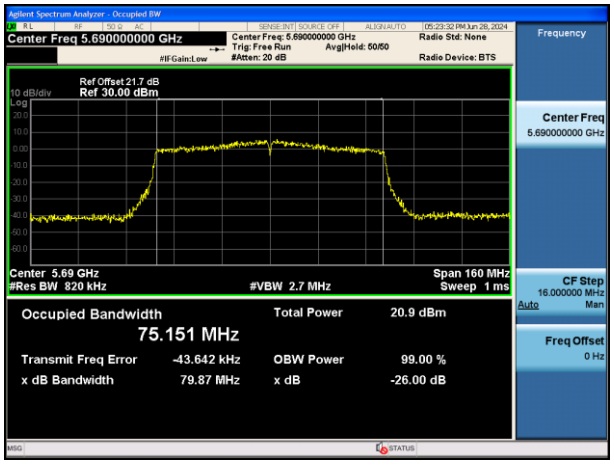
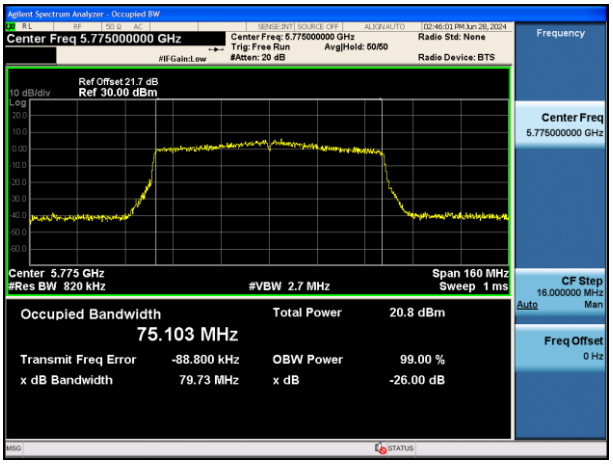
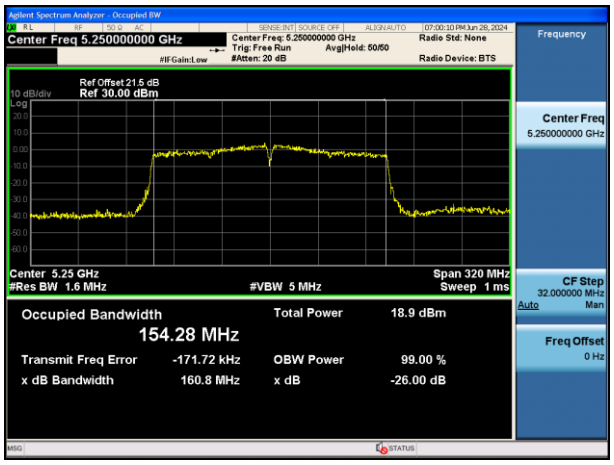
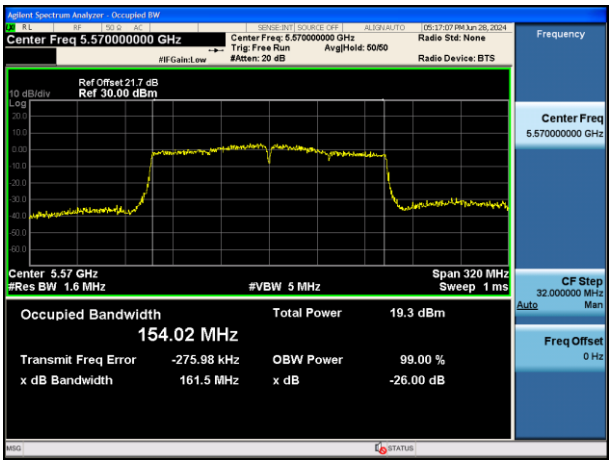
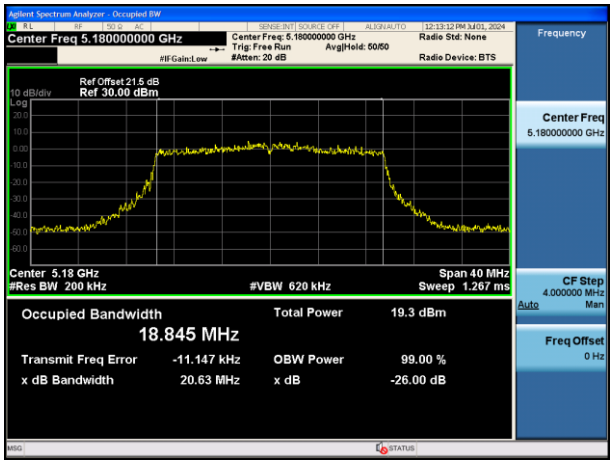
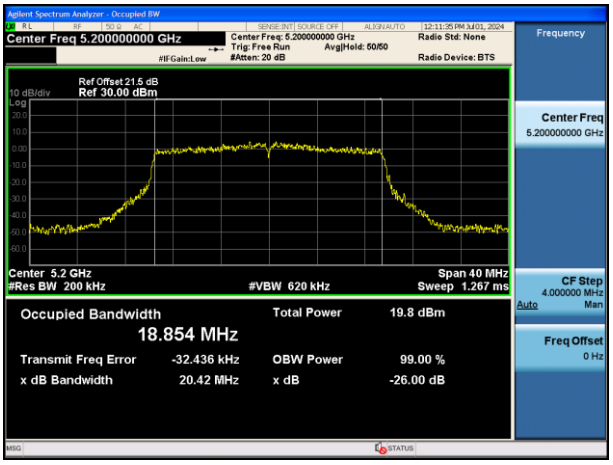
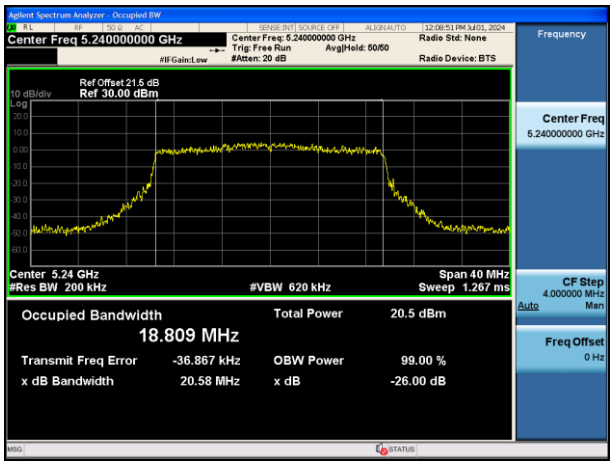
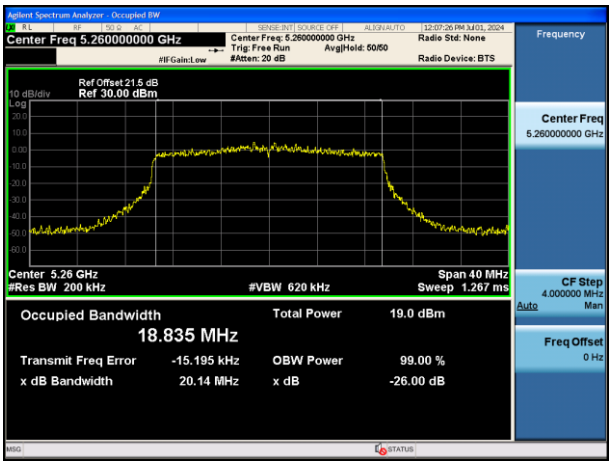
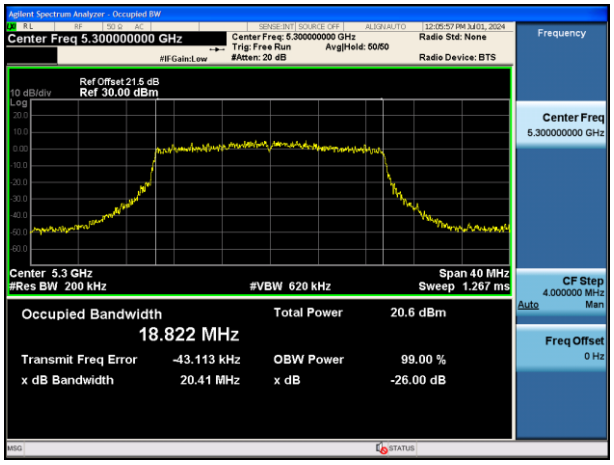
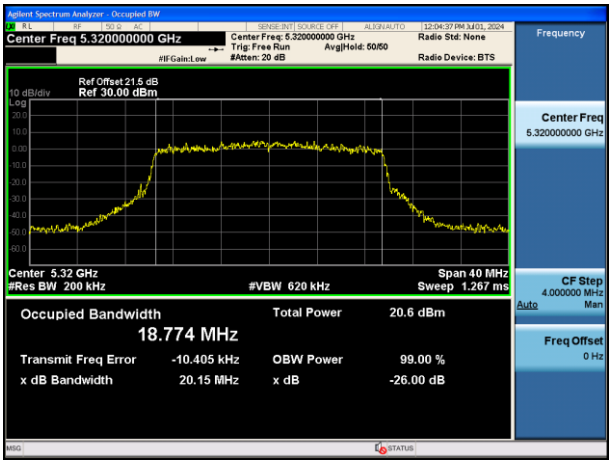
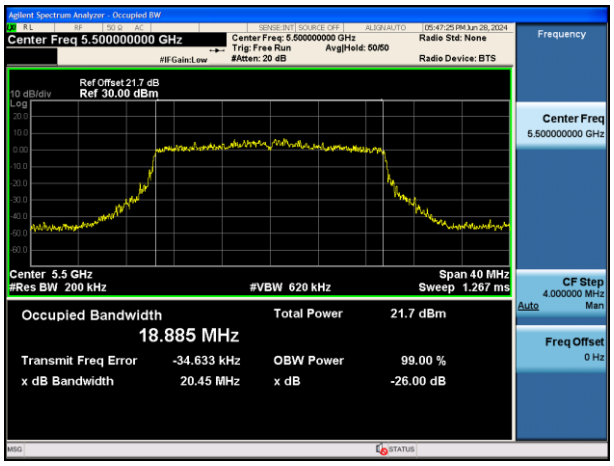
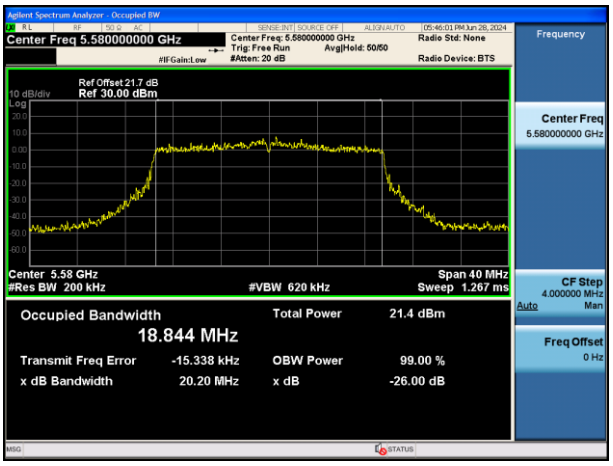
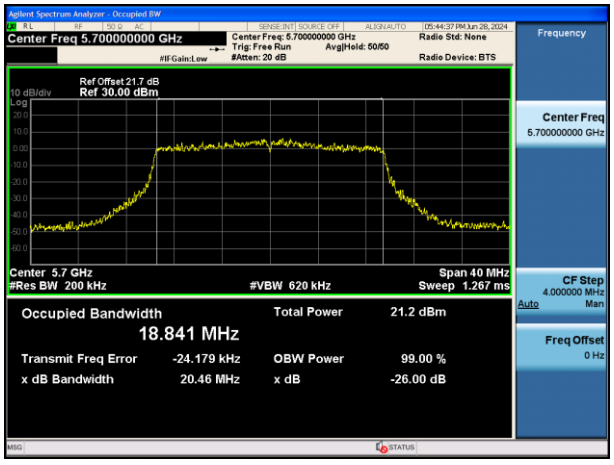
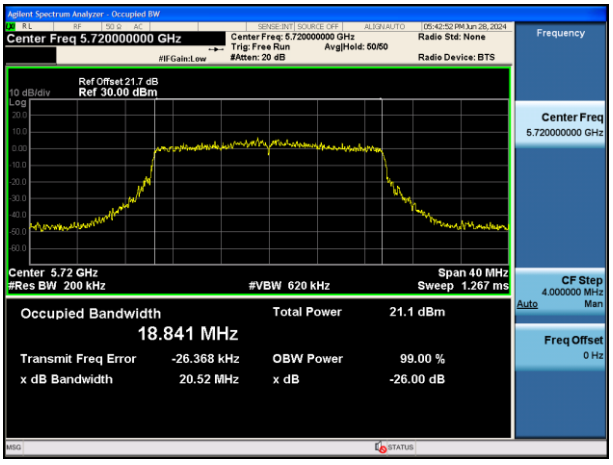
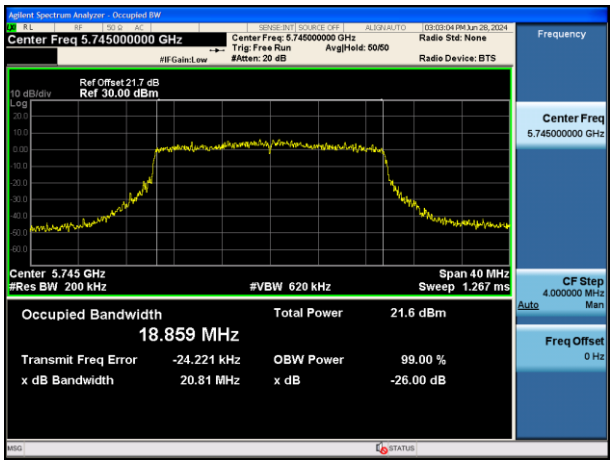
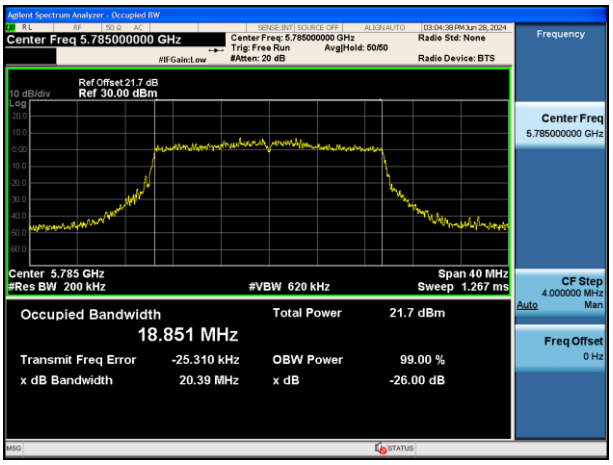
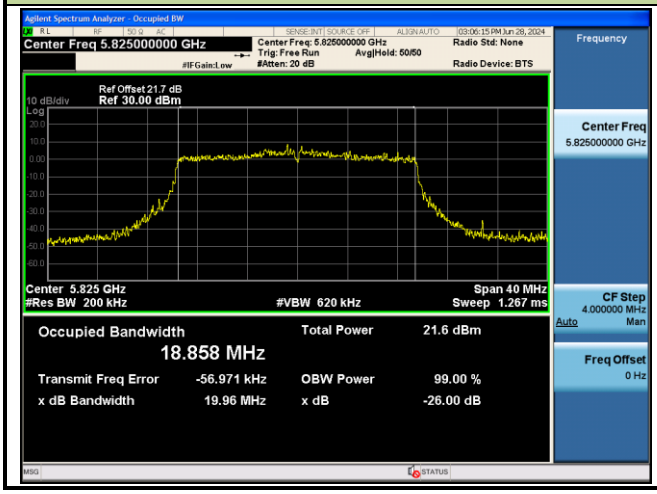
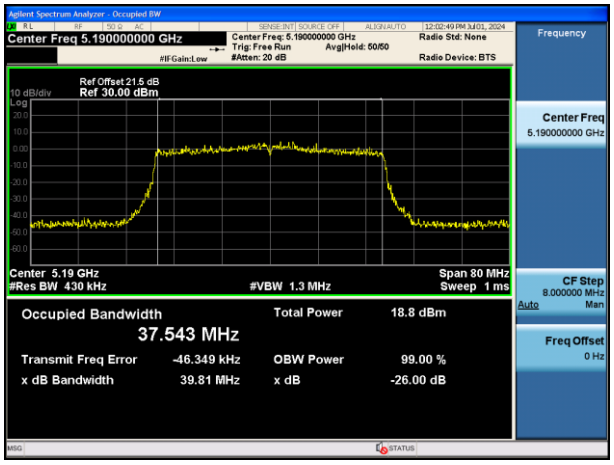
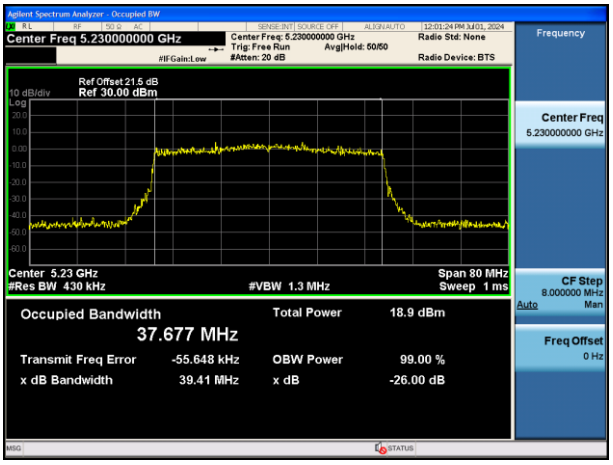
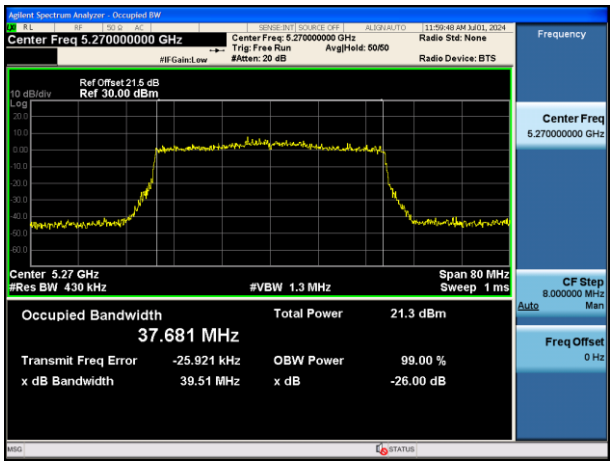
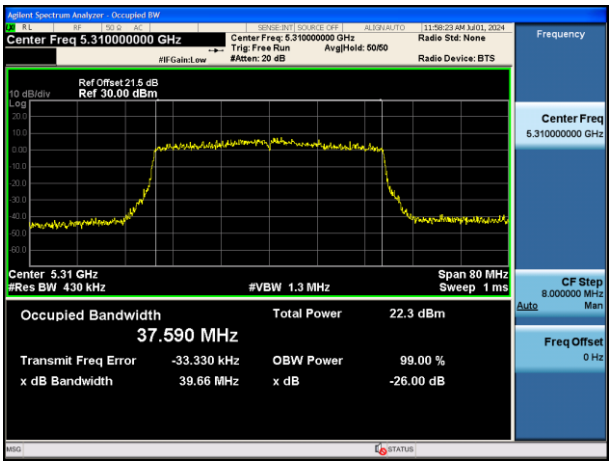
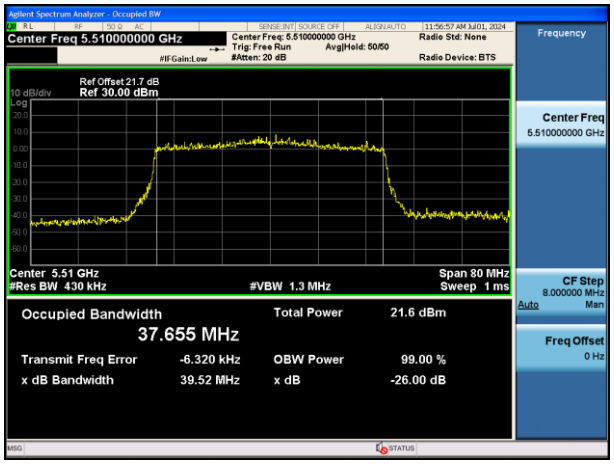
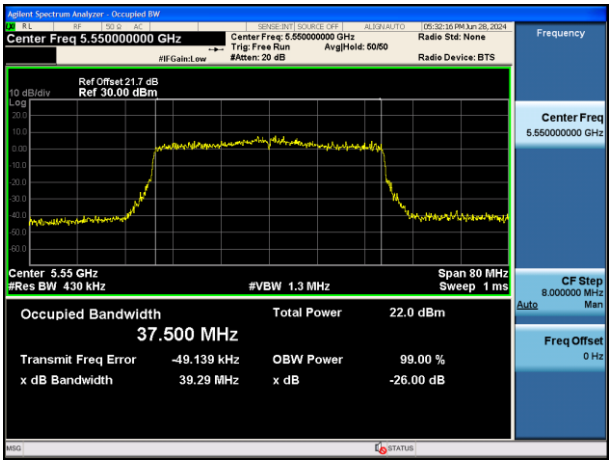
802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

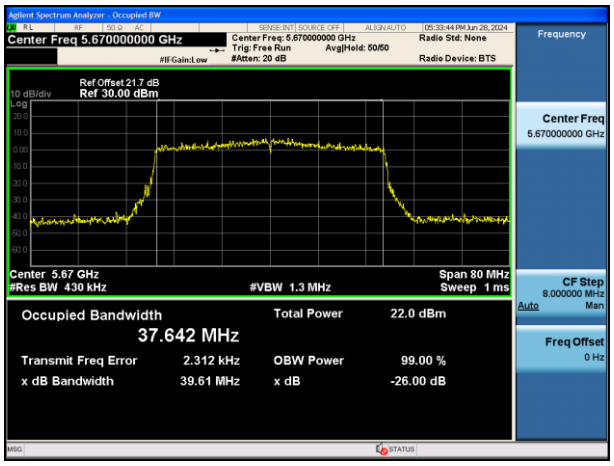
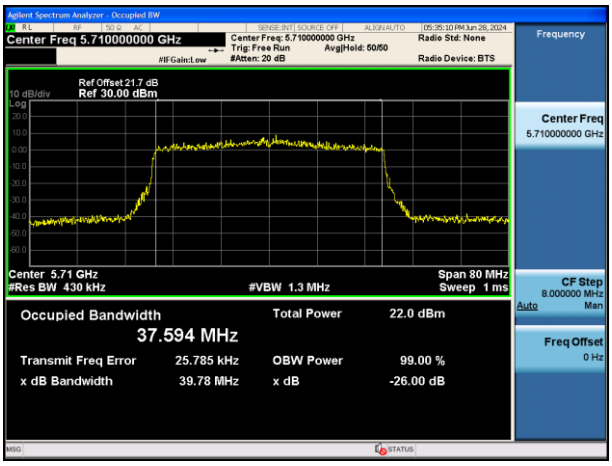
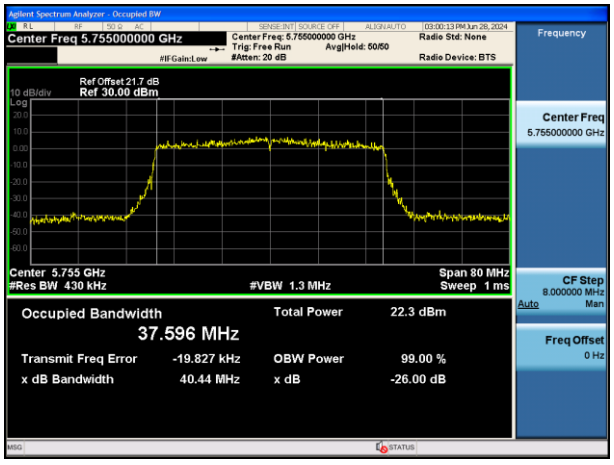
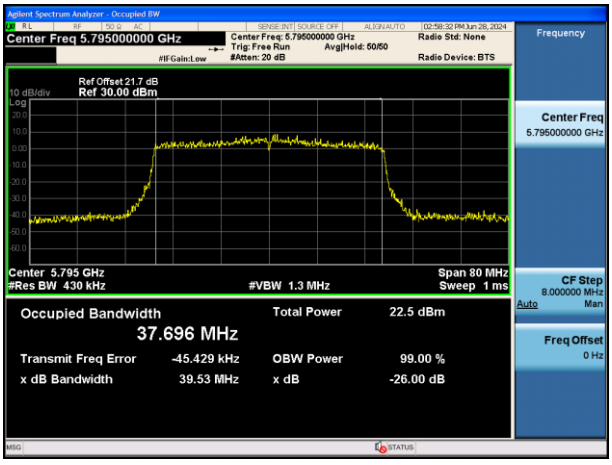
802.11ac-VHT160 26dB Bandwidth & 99% Bandwidth	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

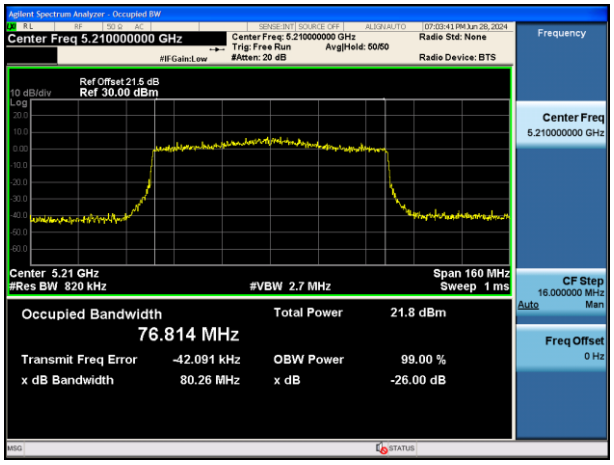
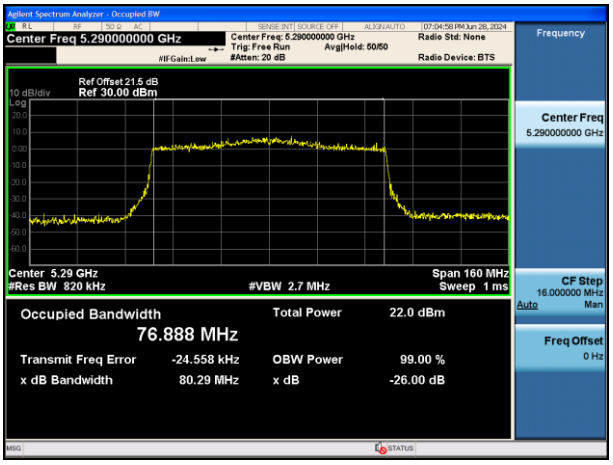
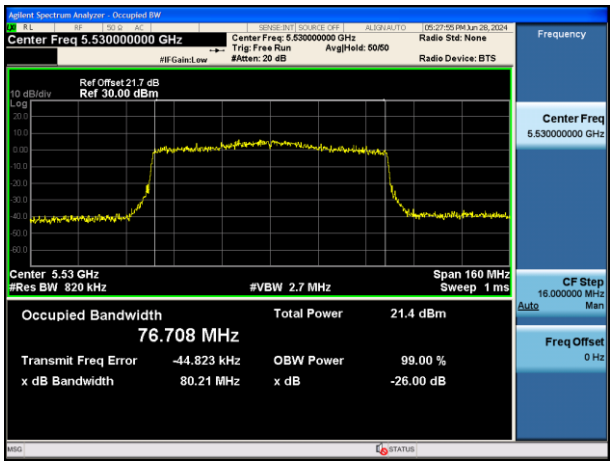
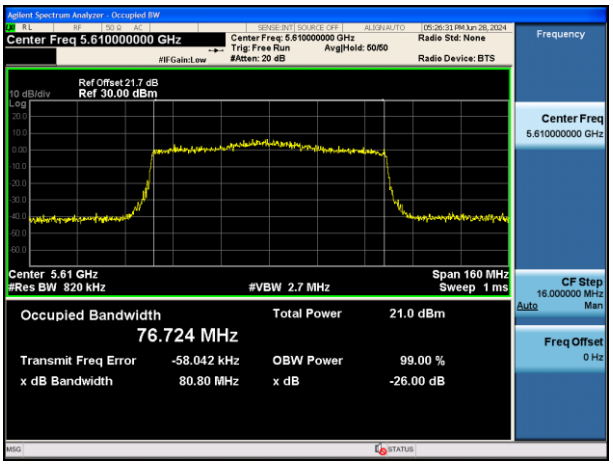
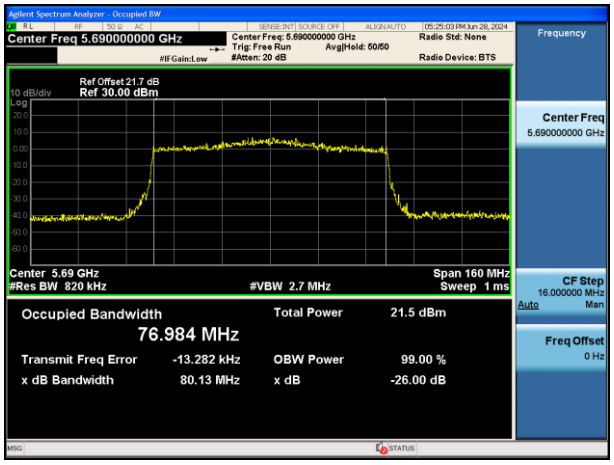
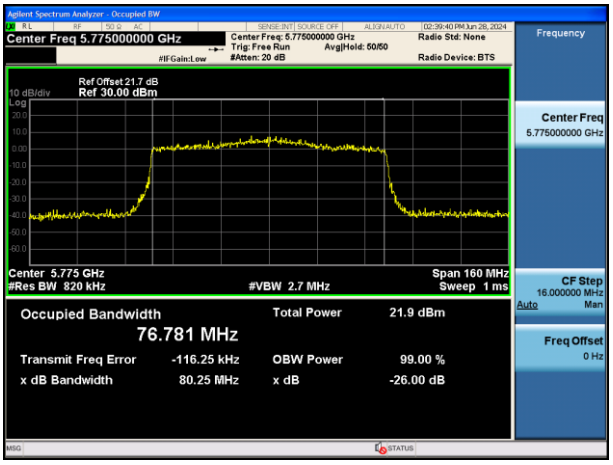
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

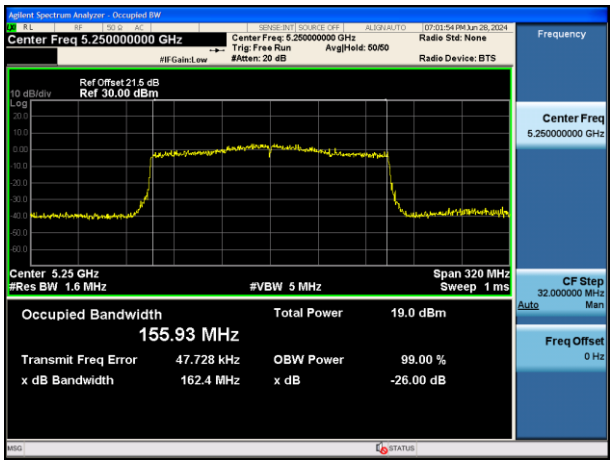
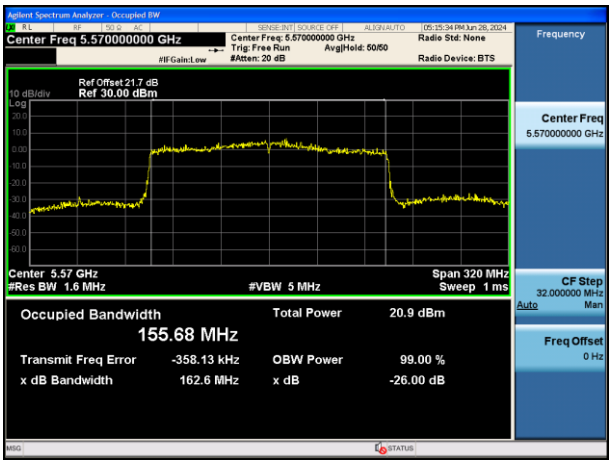
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	**Channel 144 (5720MHz)**
	
Channel 149 (5745MHz)	**Channel 144 (5785MHz)**
	

Channel 144 (5825MHz)	
	

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)
	

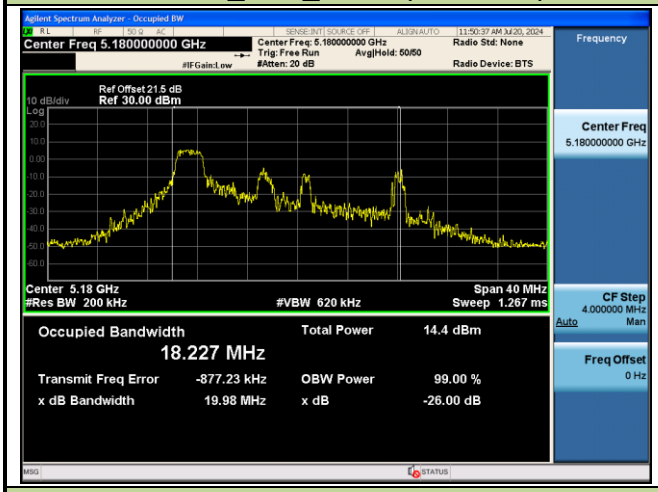
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

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)
	

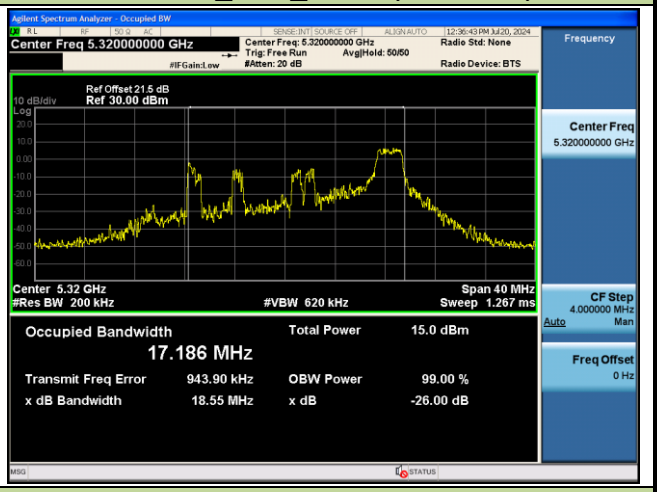
802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

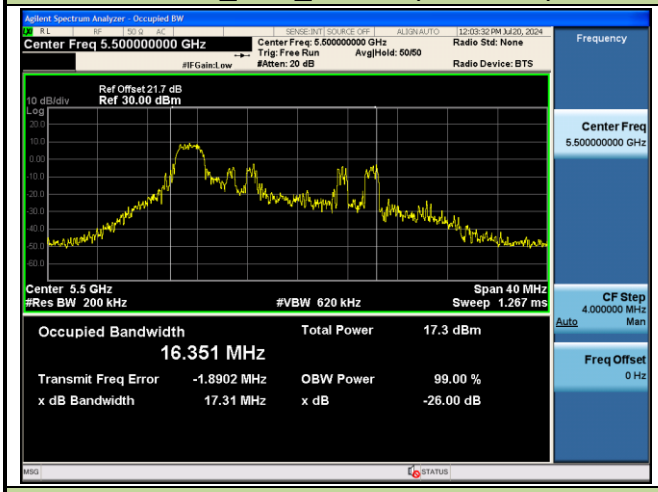
26 Tone_RU0_CH36 (5180MHz)



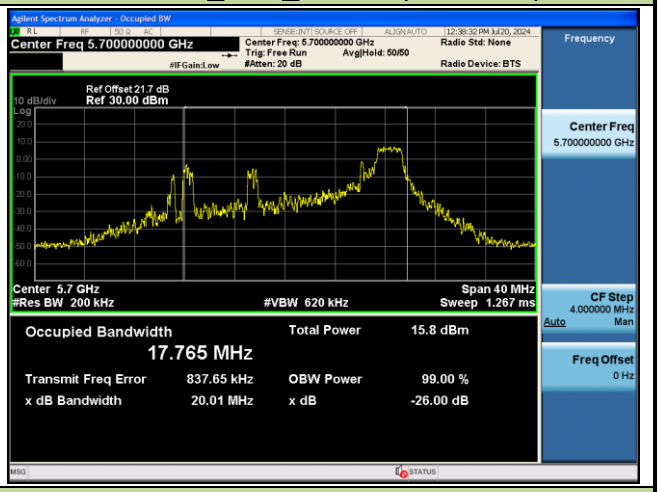
26 Tone_RU8_CH64 (5320MHz)



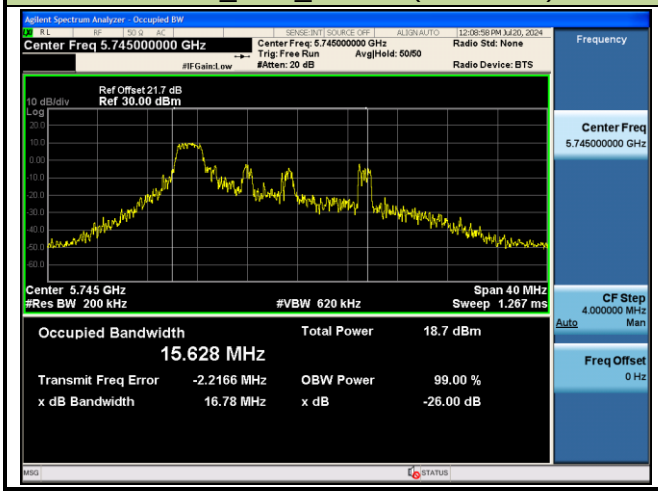
26 Tone_RU0_CH100 (5500MHz)



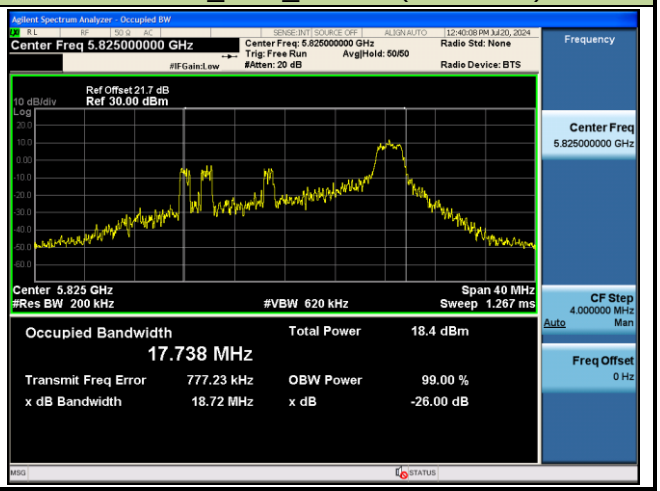
26 Tone_RU8_CH140 (5700MHz)

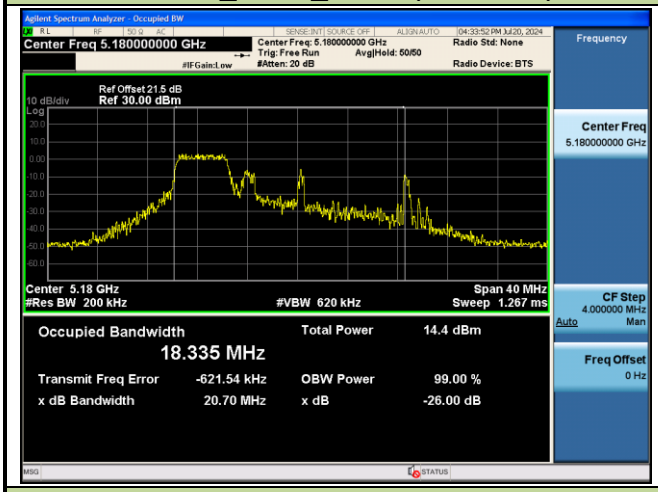
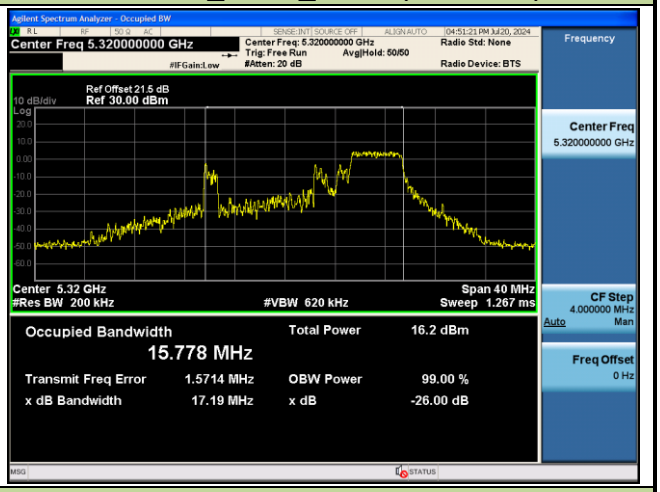
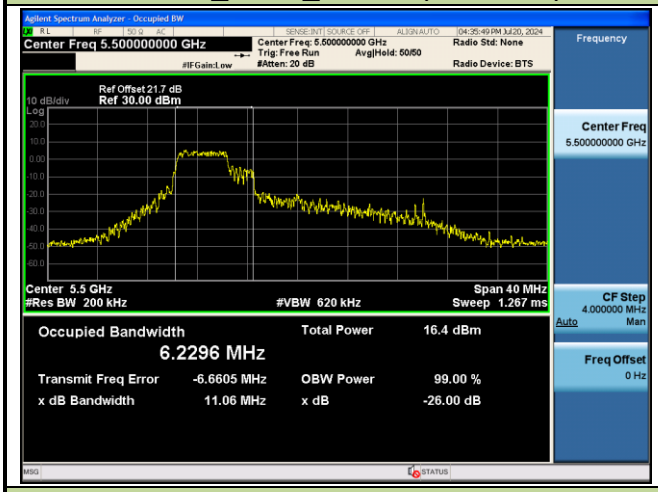
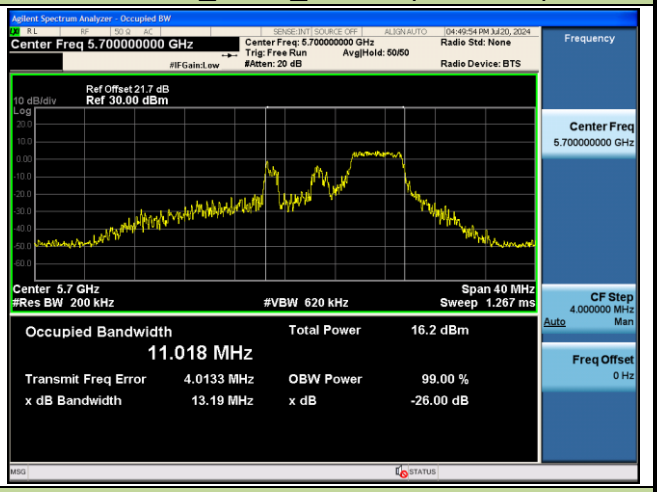
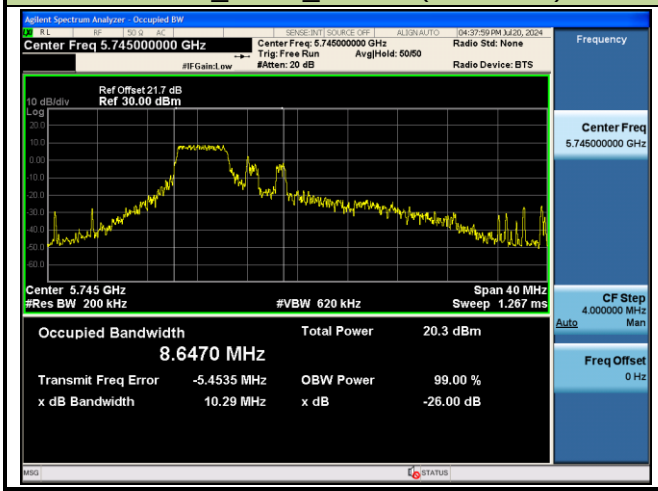
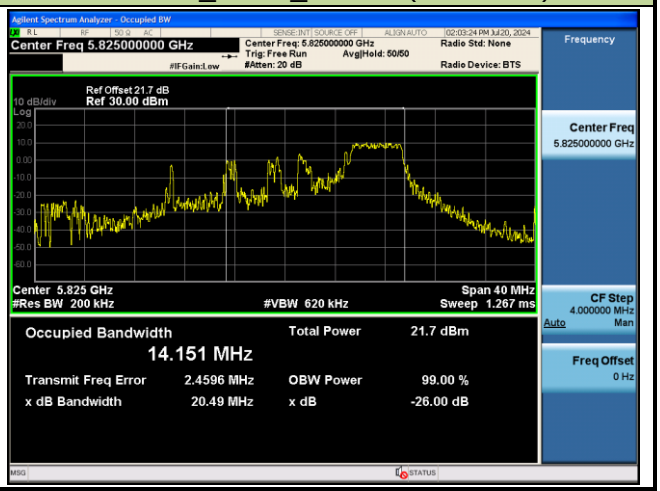


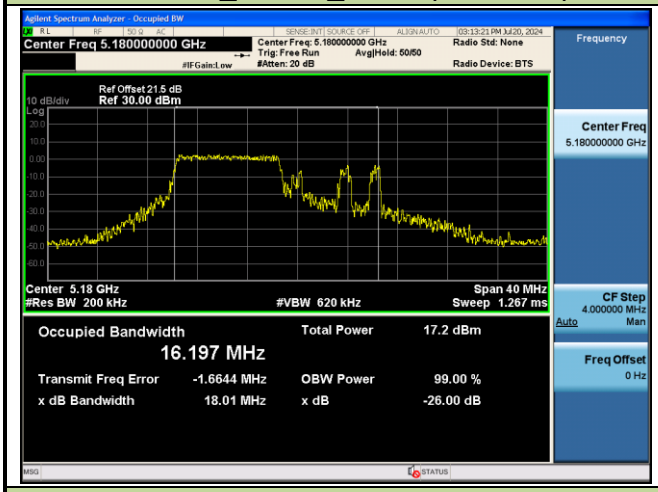
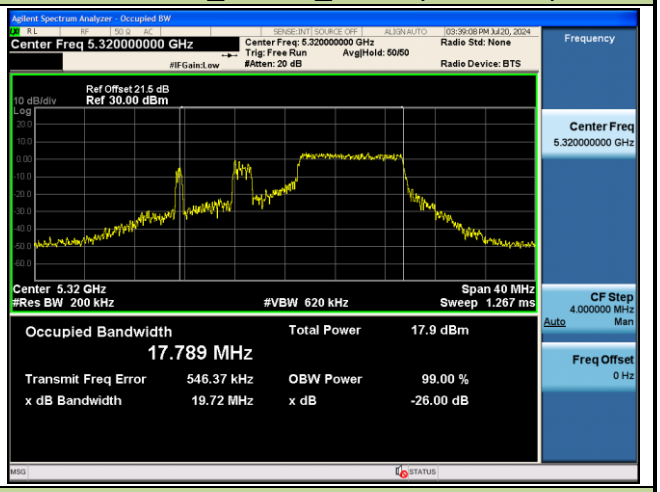
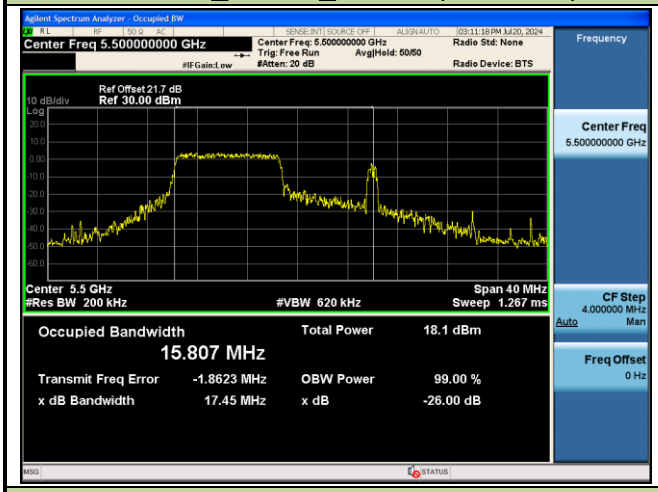
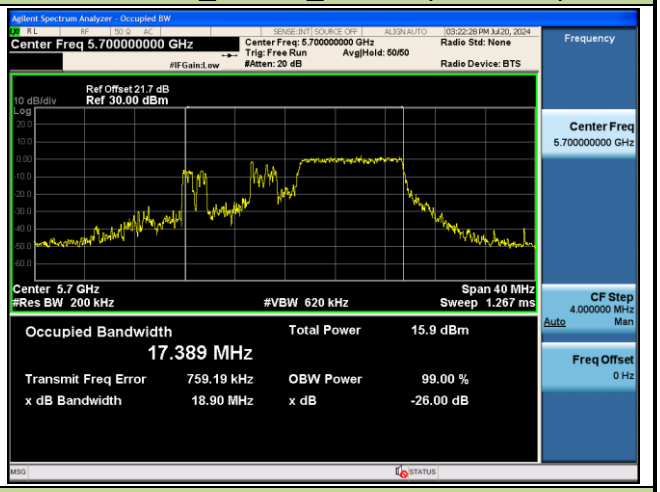
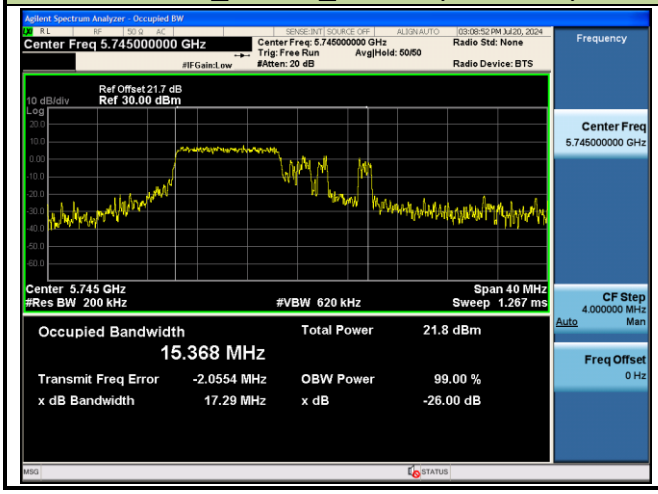
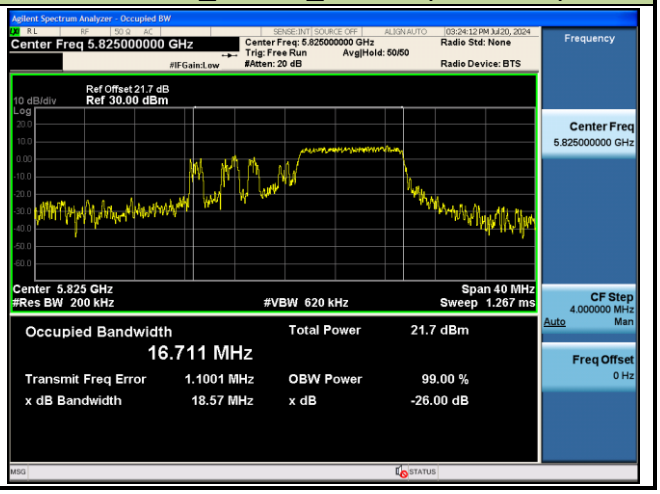
26 Tone_RU0_CH149 (5745MHz)

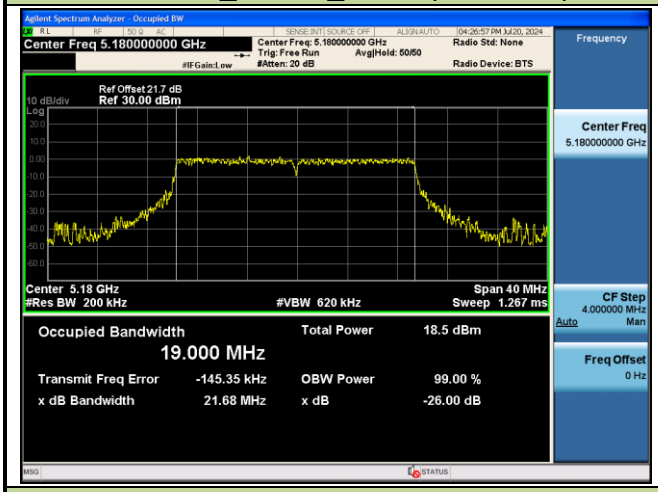
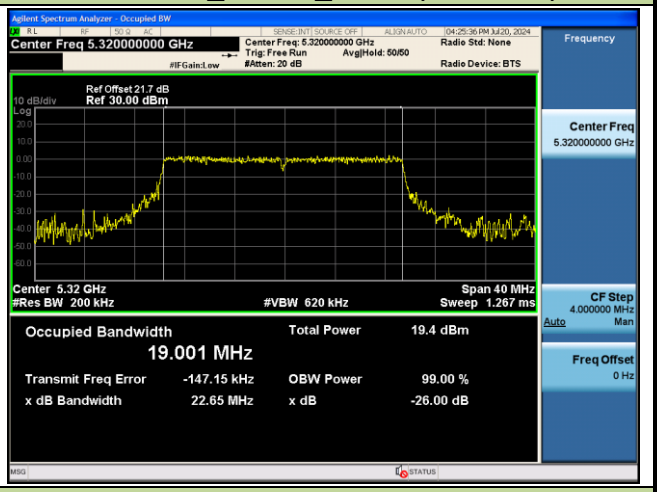
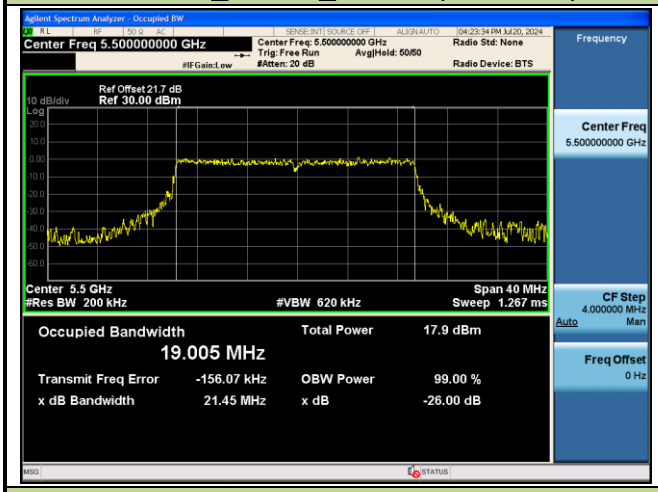
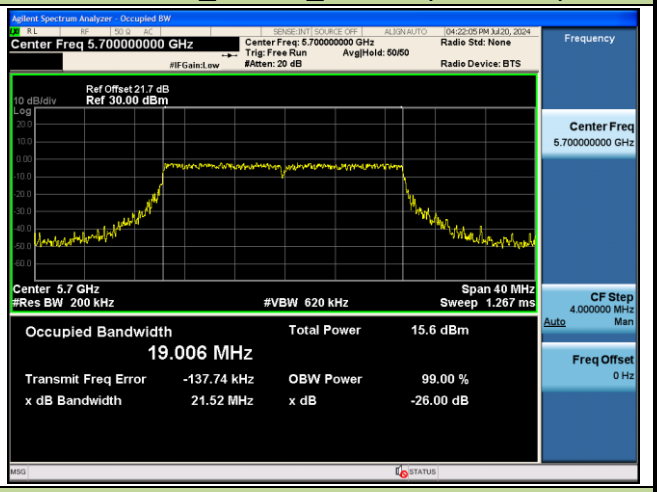
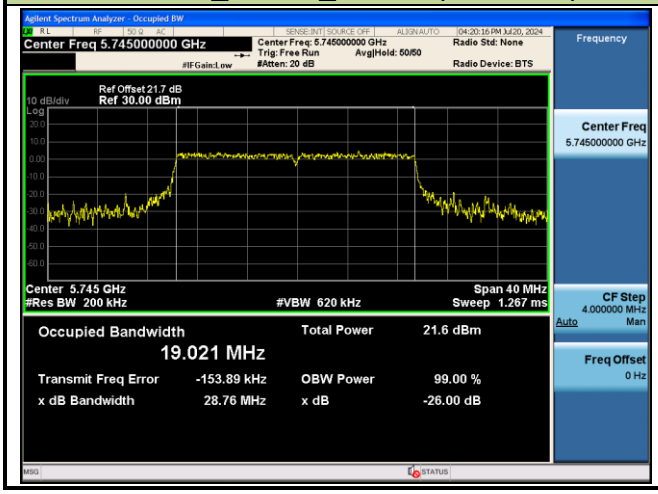
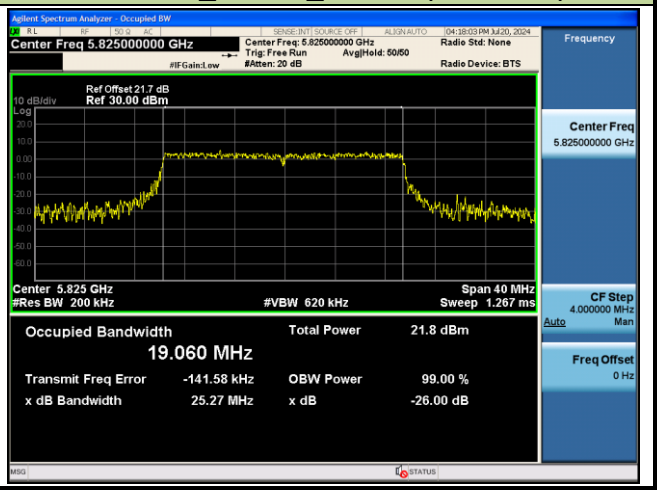


26 Tone_RU8_CH165 (5825MHz)



802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
52 Tone_RU74_CH36 (5180MHz)	52 Tone_RU77_CH64 (5320MHz)
	
52 Tone_RU74_CH100 (5500MHz)	52 Tone_RU77_CH140 (5700MHz)
	
52 Tone_RU74_CH149 (5745MHz)	52 Tone_RU77_CH165 (5825MHz)
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
106 Tone_RU106_CH36 (5180MHz)	106 Tone_RU107_CH64 (5320MHz)
	
106 Tone_RU106_CH100 (5500MHz)	106 Tone_RU107_CH140 (5700MHz)
	
106 Tone_RU106_CH149 (5745MHz)	106 Tone_RU107_CH165 (5825MHz)
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
242 Tone_RU122_CH36 (5180MHz)	242 Tone_RU122_CH64 (5320MHz)
	
242 Tone_RU122_CH100 (5500MHz)	242 Tone_RU122_CH140 (5700MHz)
	
242 Tone_RU122_CH149 (5745MHz)	242 Tone_RU122_CH165 (5825MHz)
	

7.3. 6dB Bandwidth Measurement

7.3.1.Test Limit

The minimum 6dBbandwidth shall be at least 500 kHz.

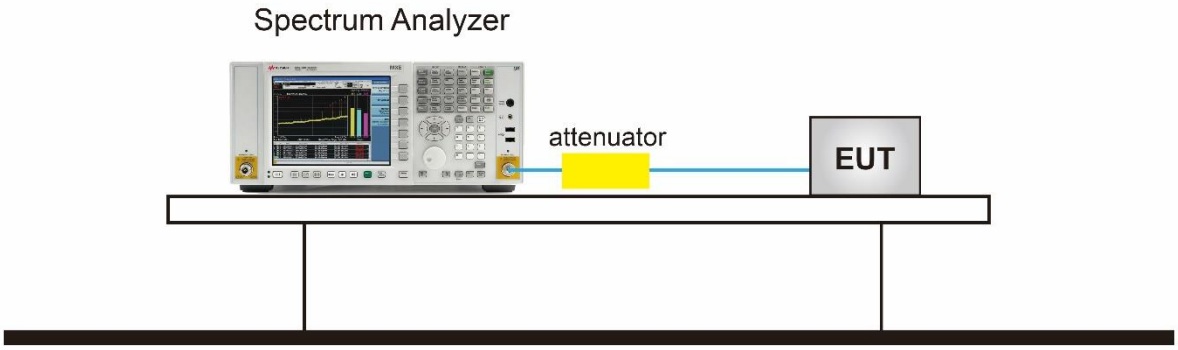
7.3.2.Test Procedure used

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 × 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

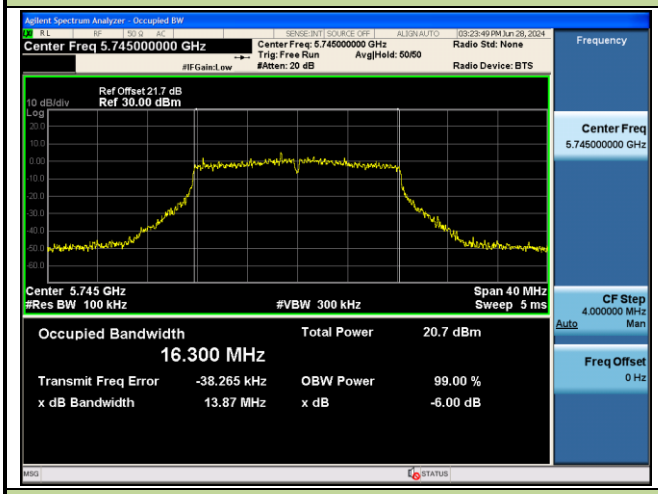
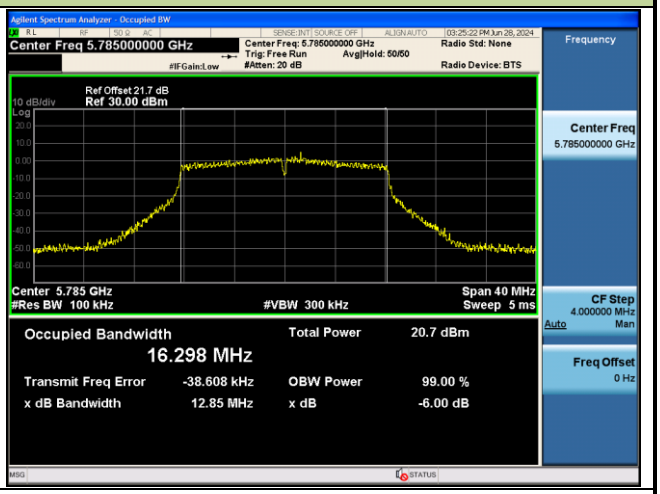


7.3.5.TestResult

Product	Mobile Computer	Test Engineer	Wen
Test Site	SR6	Test Date	2024/6/28

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6Mbps	149	5745	13.87	≥ 0.5	Pass
802.11a	6Mbps	157	5785	12.85	≥ 0.5	Pass
802.11a	6Mbps	165	5825	15.33	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.53	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	16.88	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	16.02	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	34.04	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	35.95	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	68.87	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	17.97	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	18.11	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	11.29	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	37.24	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	37.42	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	75.13	≥ 0.5	Pass

Test Mode	RU Size	RU Index	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0							
802.11ax-HE20	26 Tone	RU 0	149	5745	2.066	≥ 0.5	Pass
802.11ax-HE20		RU 8	165	5825	2.045	≥ 0.5	Pass
802.11ax-HE20	52 Tone	RU 74	149	5745	4.032	≥ 0.5	Pass
802.11ax-HE20		RU 77	165	5825	13.31	≥ 0.5	Pass
802.11ax-HE20	106 Tone	RU 106	149	5745	15.80	≥ 0.5	Pass
802.11ax-HE20		RU 107	165	5825	18.29	≥ 0.5	Pass
802.11ax-HE20	242 Tone	RU 122	149	5745	18.82	≥ 0.5	Pass
802.11ax-HE20		RU 122	165	5825	19.02	≥ 0.5	Pass

802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)