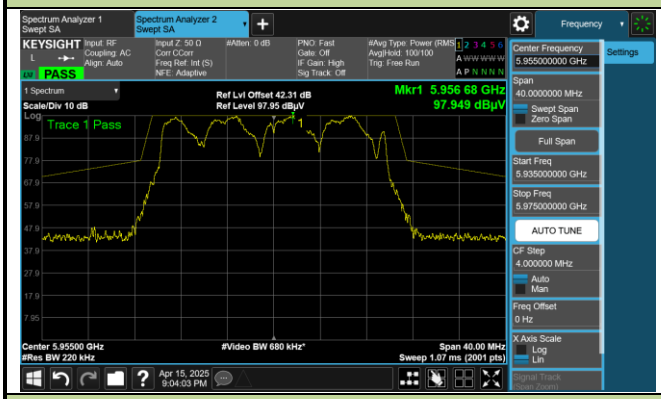
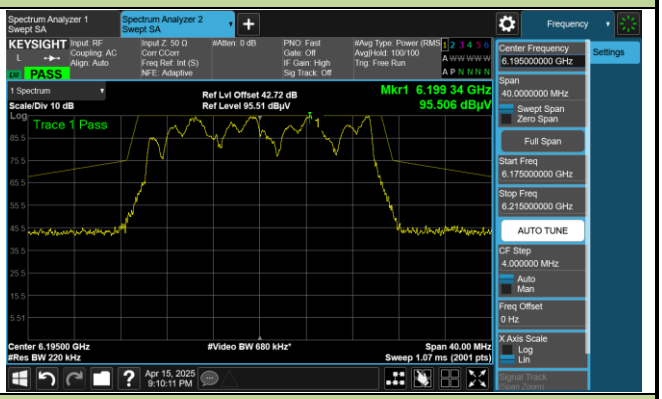
802.11be-EHT20 In-Band Emission

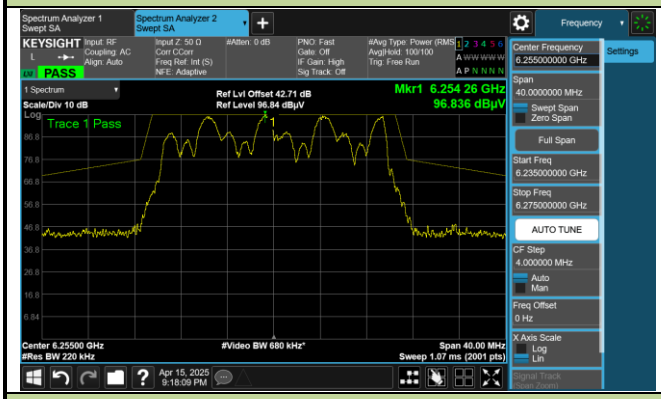
Channel 1 (5955MHz)



Channel 49 (6195MHz)

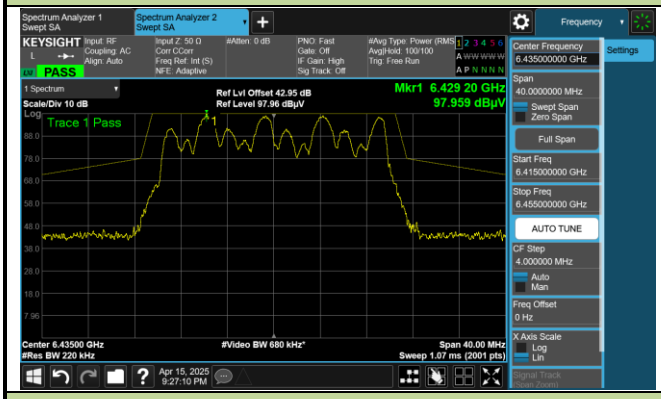


Channel 61 (6255MHz)



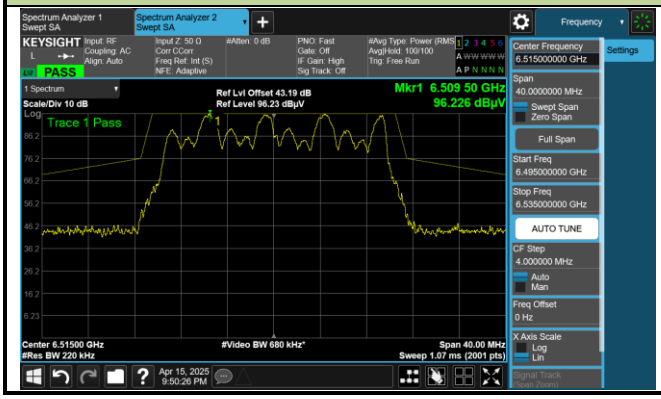
Channel 93 (6415MHz)

Channel 97 (6435MHz)

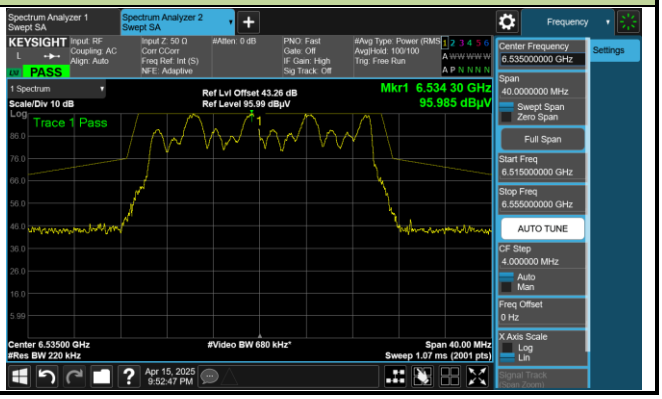


Channel 105 (6475MHz)

Channel 113 (6515MHz)

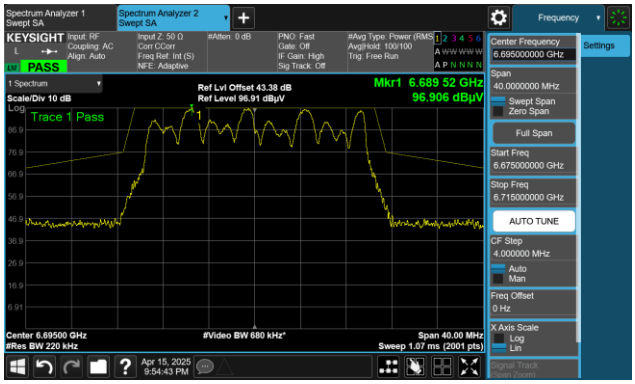


Channel 117 (6535MHz)

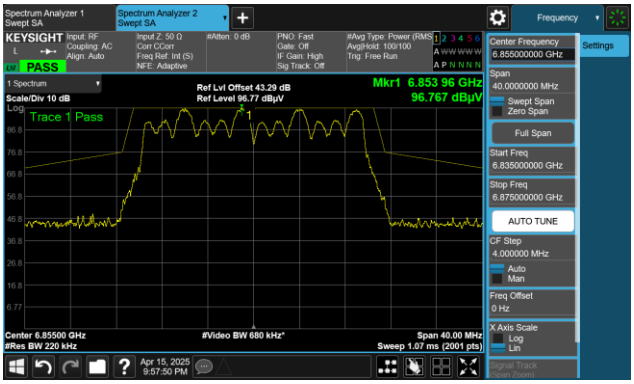


802.11be-EHT20 In-Band Emission

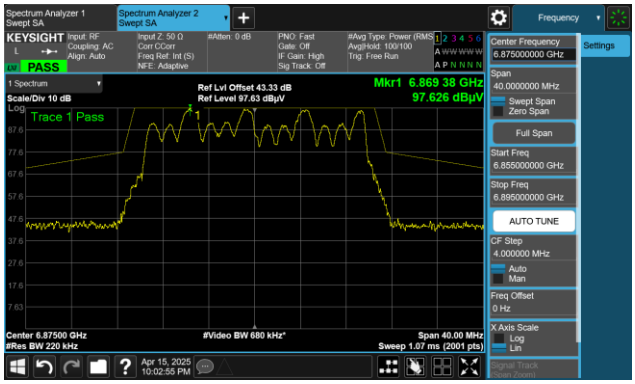
Channel 149 (6695MHz)



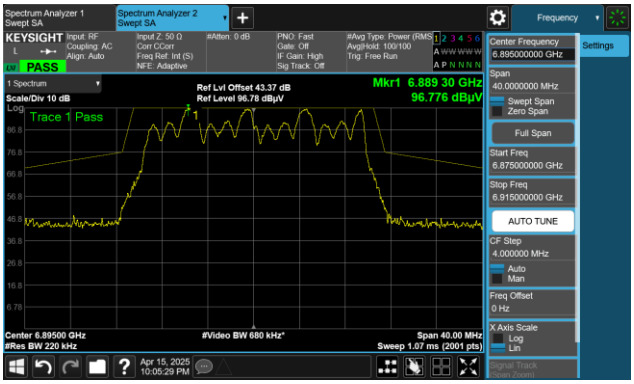
Channel 181 (6855MHz)



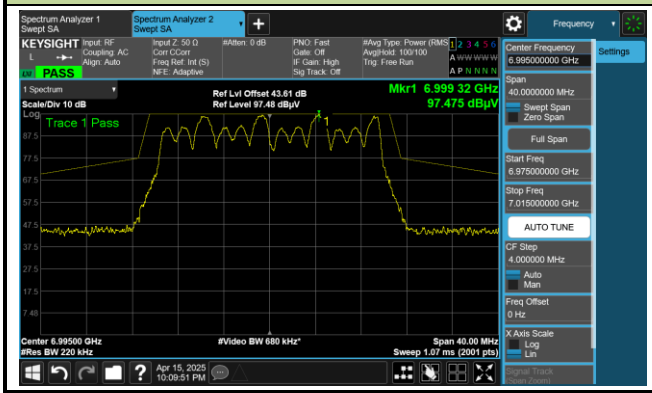
Channel 185 (6875MHz)



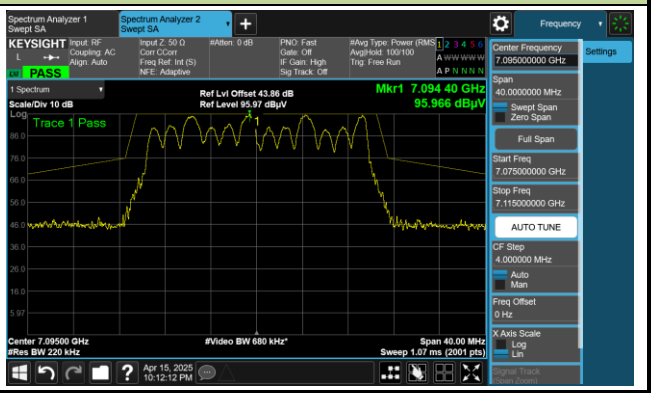
Channel 189 (6895MHz)



Channel 209 (6995MHz)

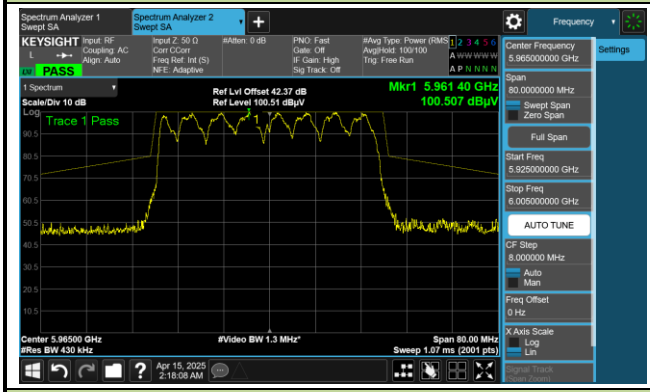


Channel 229 (7095MHz)

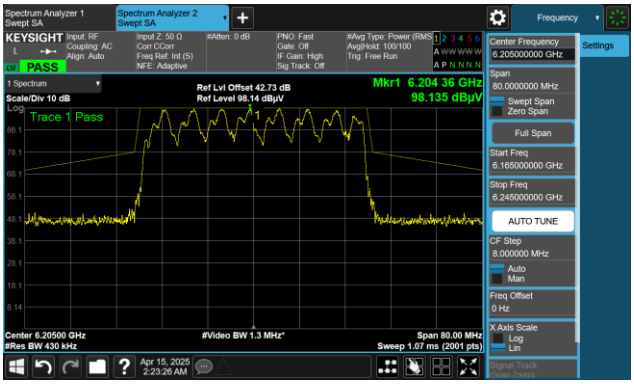


802.11be-EHT40 In-Band Emission

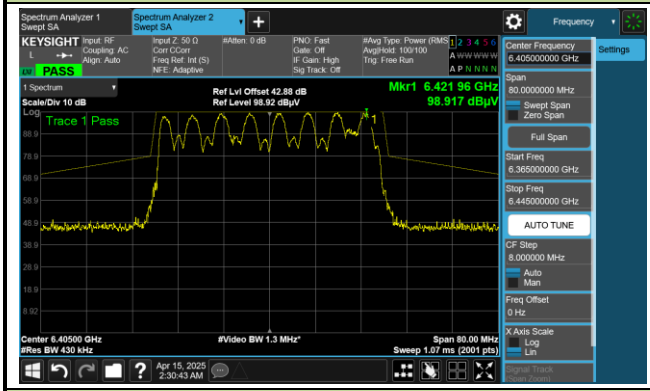
Channel 3 (5965MHz)



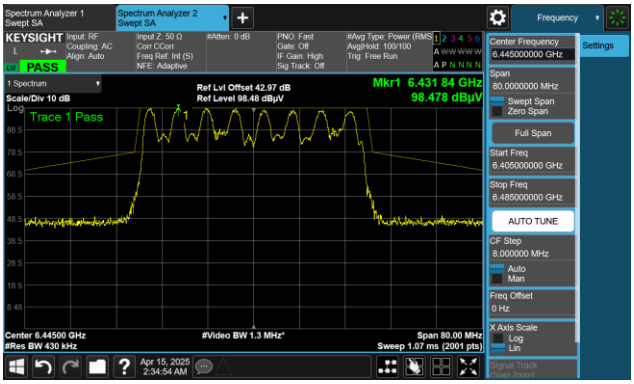
Channel 51 (6205MHz)



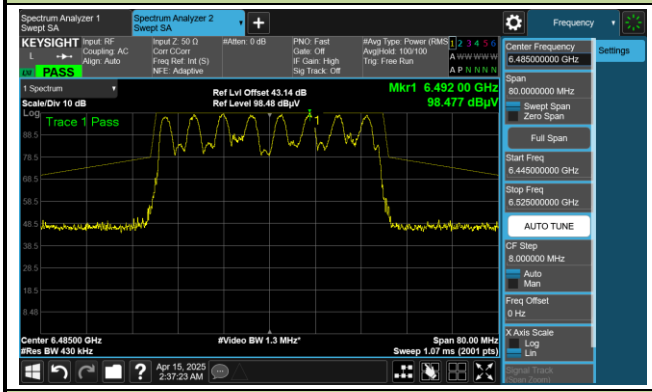
Channel 91 (6405MHz)



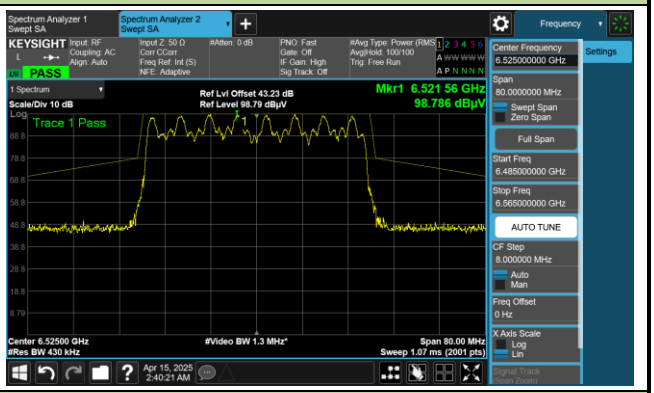
Channel 99 (6445MHz)



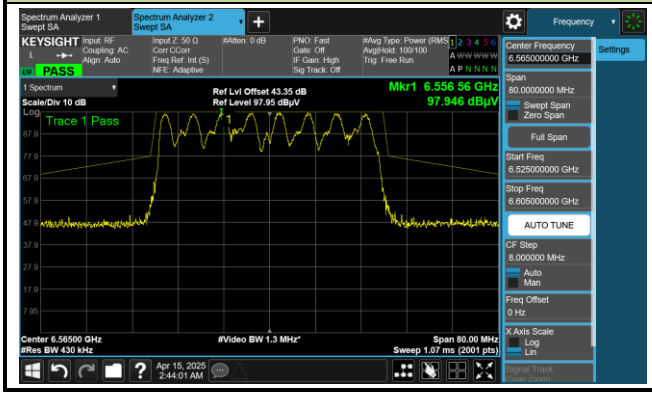
Channel 107 (6485MHz)



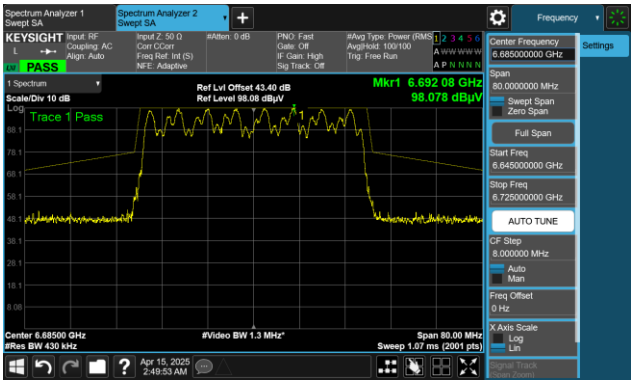
Channel 115 (6525MHz)



Channel 123 (6565MHz)

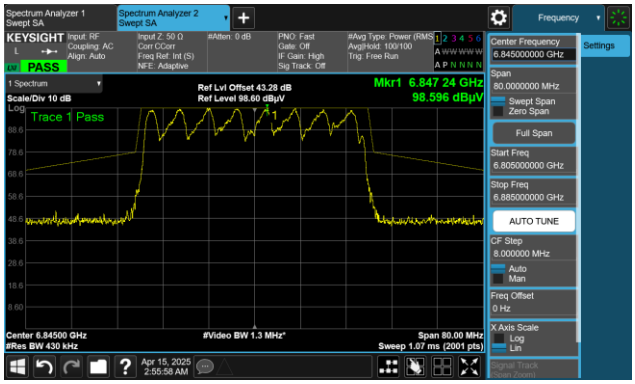


Channel 147 (6685MHz)

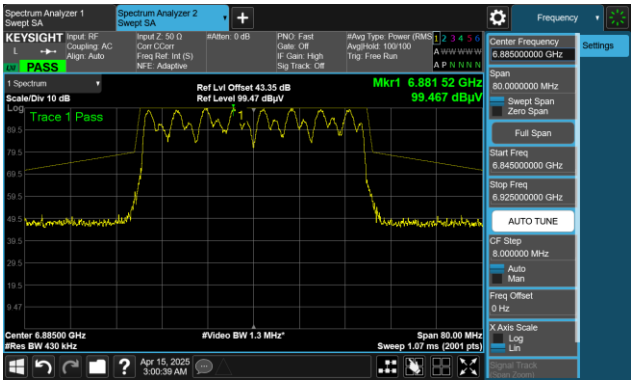


802.11be-EHT40 In-Band Emission

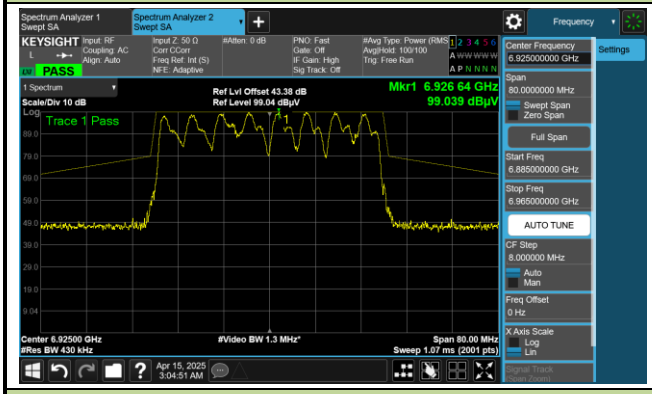
Channel 179 (6845MHz)



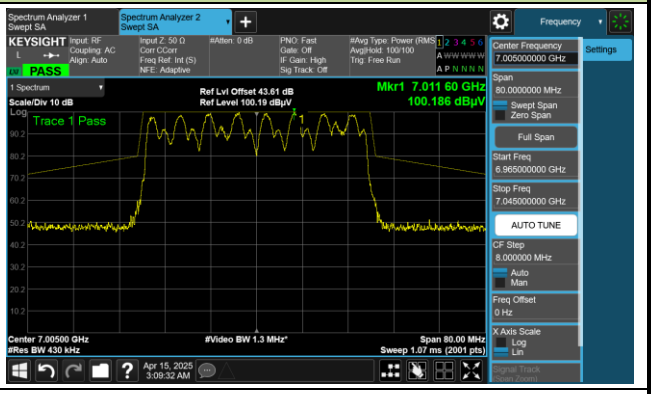
Channel 187 (6885MHz)



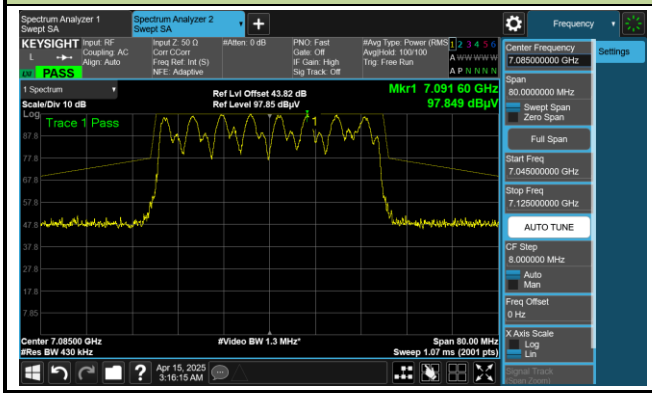
Channel 195 (6925MHz)



Channel 211 (7005MHz)

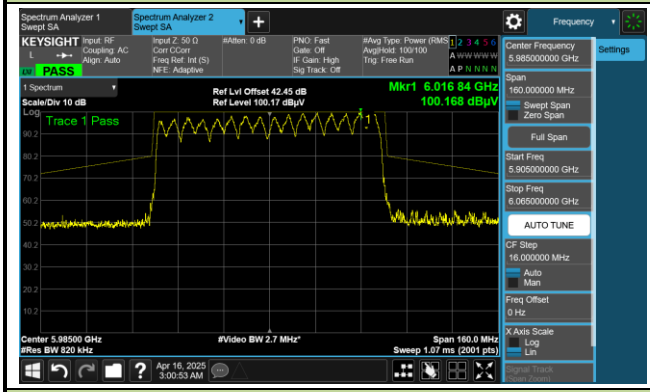


Channel 227 (7085MHz)

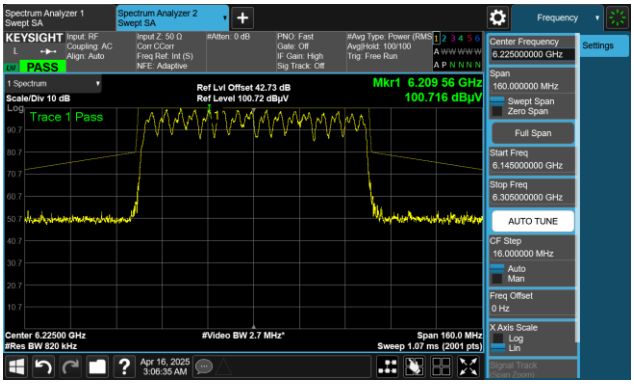


802.11be-EHT80 In-Band Emission

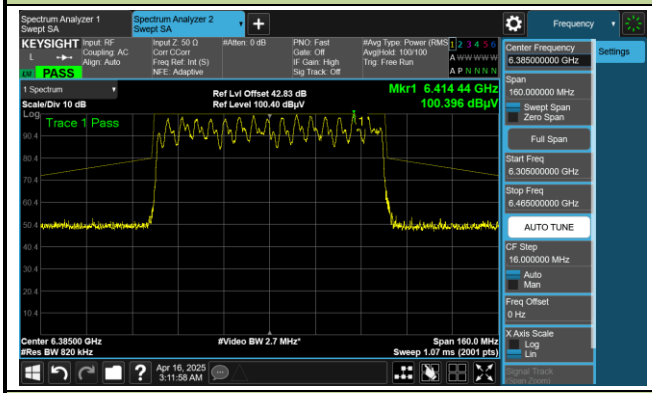
Channel 7 (5985MHz)



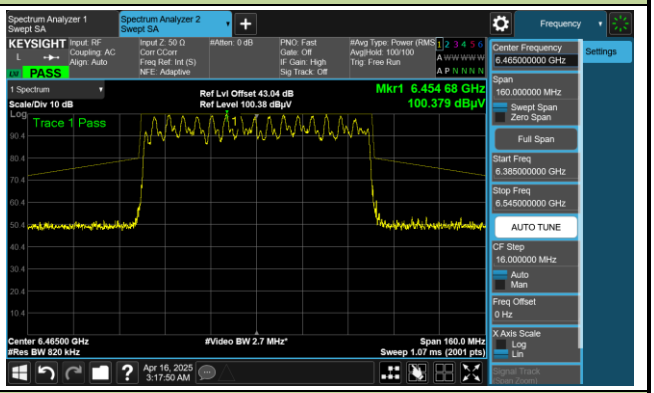
Channel 55 (6225MHz)



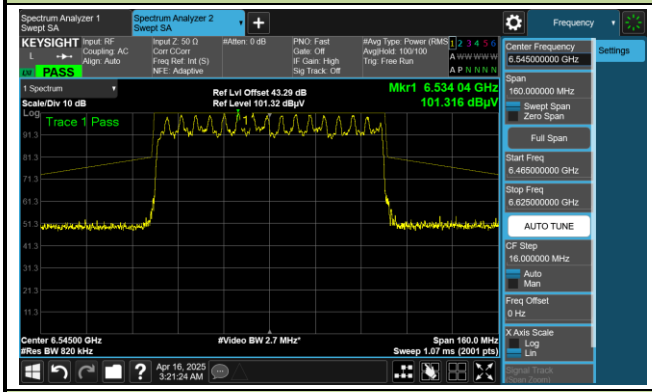
Channel 87 (6385MHz)



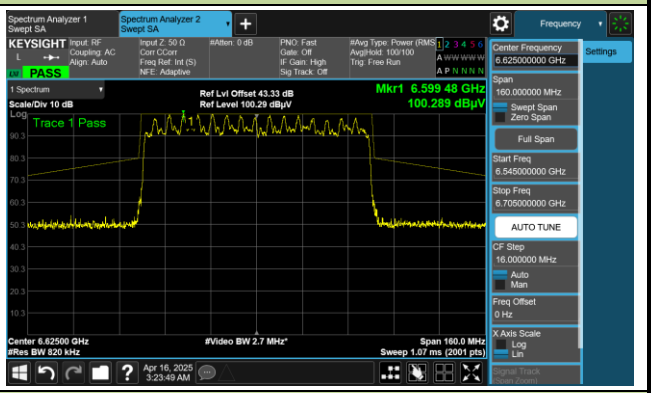
Channel 103 (6465MHz)



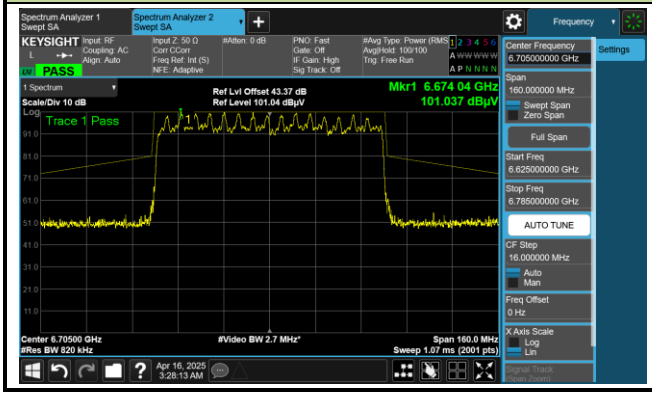
Channel 119 (6545MHz)



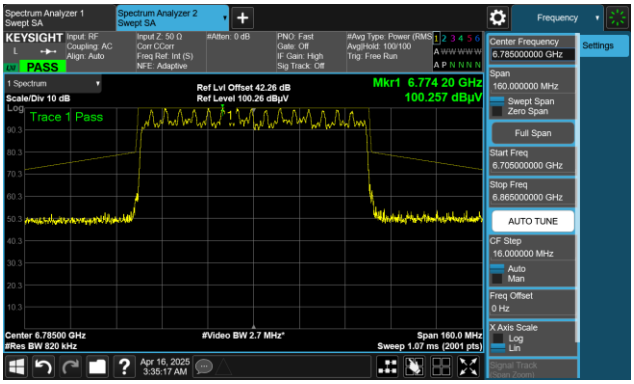
Channel 135 (6625MHz)

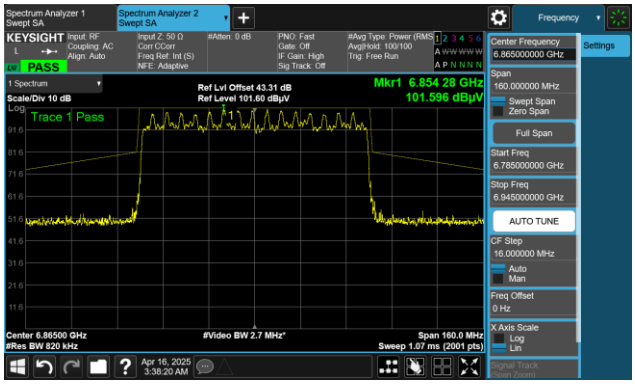
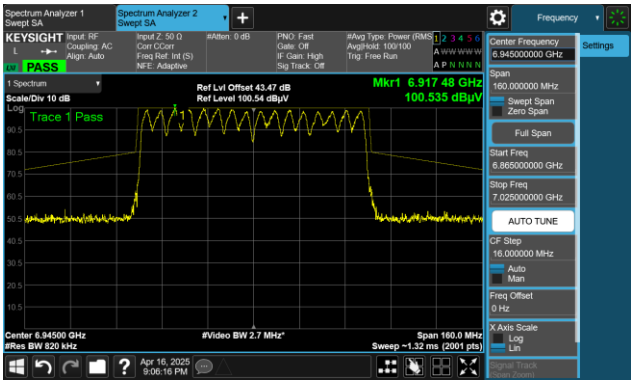
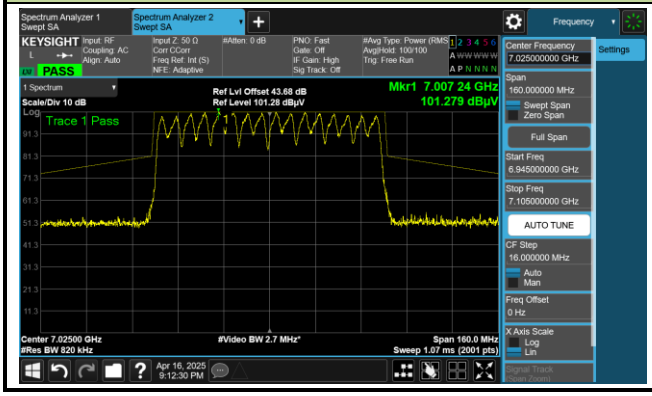


Channel 151 (6705MHz)



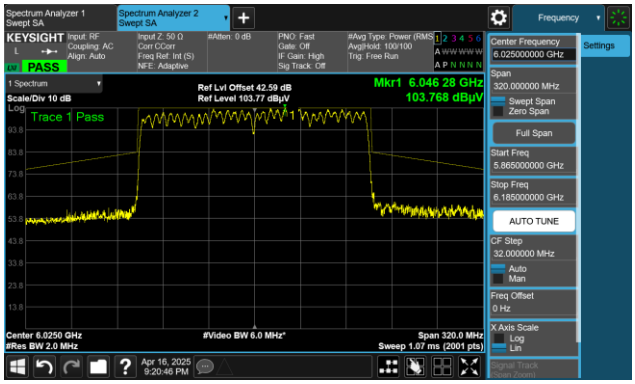
Channel 167 (6785MHz)



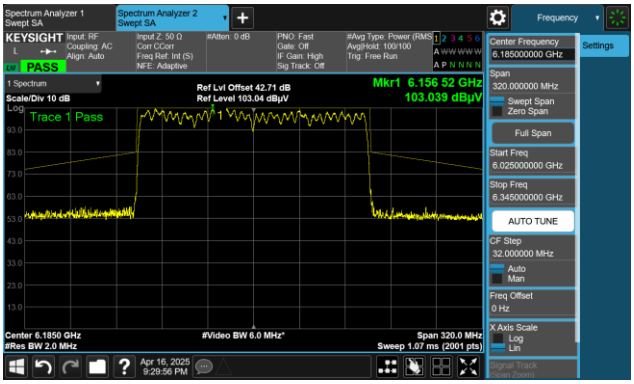
802.11be-EHT80 In-Band Emission	
Channel 183 (6865MHz)	Channel 199 (6945MHz)
	
Channel 215 (7025MHz)	
	

802.11be-EHT160 In-Band Emission

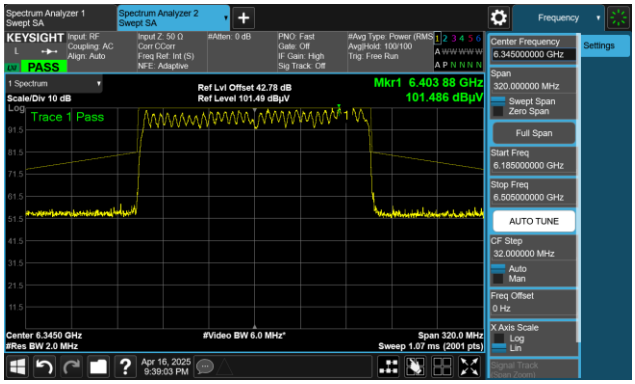
Channel 15 (6025MHz)



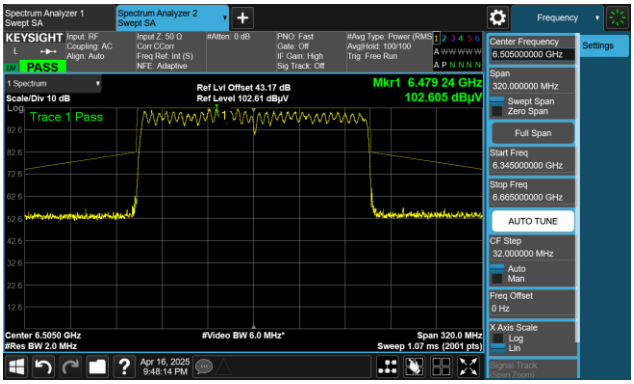
Channel 47 (6185MHz)



Channel 79 (6345MHz)

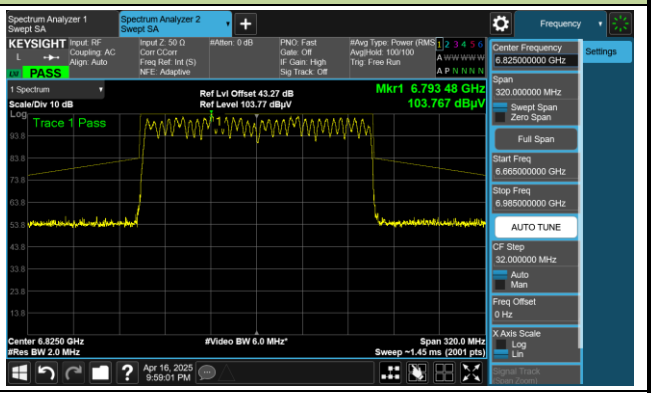


Channel 111 (6505MHz)

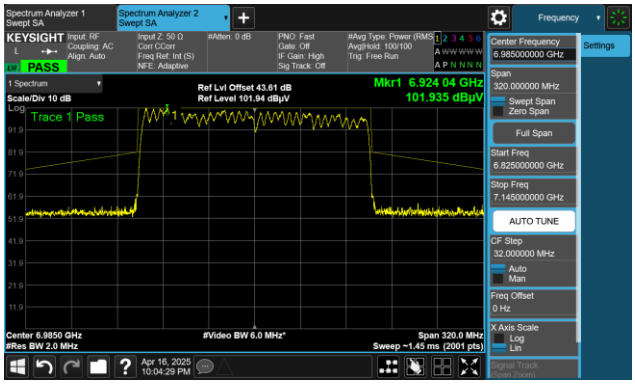


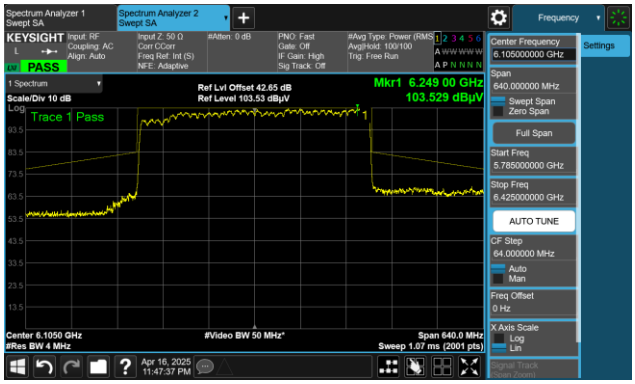
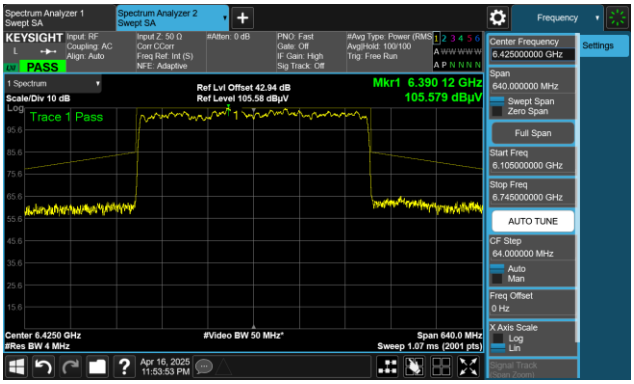
Channel 143 (6665MHz)

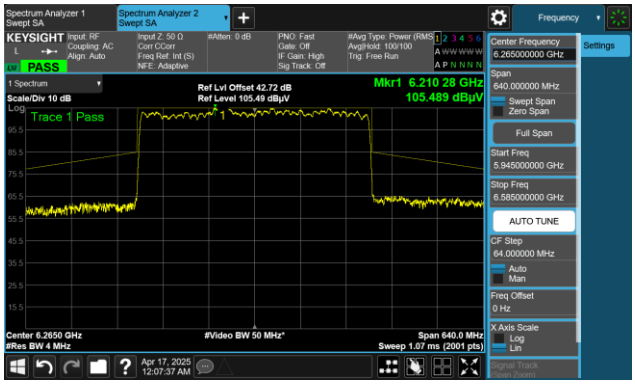
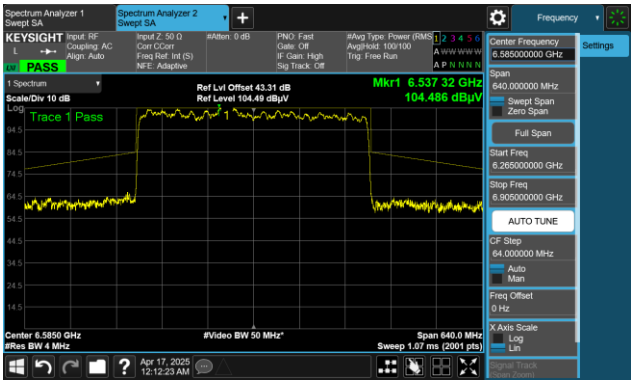
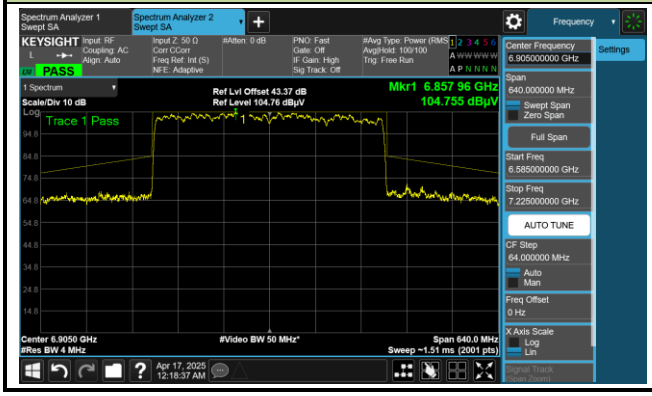
Channel 175 (6825MHz)



Channel 207 (6985MHz)



802.11be-EHT320-1 In-Band Emission	
Channel 31 (6105MHz)	Channel 95 (6425MHz)
	
Channel 159 (6745MHz)	

802.11be-EHT320-2 In-Band Emission	
Channel 63 (6265MHz)	Channel 127 (6585MHz)
	
Channel 191 (6905MHz)	
	

A.6 Frequency Stability Test Result

Test Site	SIP-TR1	Test Engineer	Nolan Chen
Test Date	2025-04-21		
Test Mode	5955MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100	120	- 30	17.66	17.57	17.40	17.26
		- 20	14.05	15.73	16.48	16.88
		- 10	7.77	10.08	12.50	13.96
		0	10.94	8.09	7.22	8.89
		+ 10	4.85	7.79	10.79	10.87
		+ 20	1.04	2.51	3.76	5.52
		+ 30	-1.65	-0.13	0.64	1.33
		+ 40	-2.74	-2.26	-2.07	-1.42
		+ 50	1.51	-0.09	-1.11	-2.56
115	138	+ 20	7.61	7.43	10.34	10.81
85	102	+ 20	9.16	8.46	7.70	7.06

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^6$.

A.7 Contention Based Protocol Test Result

Test Site	SIP-TR1	Test Engineer	Alan Yu
Test Date	2025-04-07 ~ 2025-04-10		

Test Channel	Bandwidth (MHz)	Freq. (MHz)	AWGN Freq. (MHz)	AWGN Power (dBm)	Ant. Gain (dBi)	Adjust Power (dBm)	Detection Limit (dBm)	Detected Number	Detection Probability (%)	Limit (%)	Test Result
Operation Band: U-NII 5											
33	20	6115	6115	-59.56	3.5	-63.06	≤ -62.0	10	100	90	Pass
63	320	6265	6110	-61.12	3.5	-64.62	≤ -62.0	10	100	90	Pass
63	320	6265	6265	-62.20	3.5	-65.70	≤ -62.0	10	100	90	Pass
63	320	6265	6420	-61.40	3.5	-64.90	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 6											
97	20	6435	6435	-61.79	3.5	-65.29	≤ -62.0	10	100	90	Pass
95	320	6425	6270	-60.12	3.5	-63.62	≤ -62.0	10	100	90	Pass
95	320	6425	6425	-61.45	3.5	-64.95	≤ -62.0	10	100	90	Pass
95	320	6425	6580	-60.61	3.5	-64.11	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 7											
181	20	6855	6855	-61.15	3.5	-64.65	≤ -62.0	10	100	90	Pass
159	320	6745	6590	-59.70	3.5	-63.20	≤ -62.0	10	100	90	Pass
159	320	6745	6745	-61.45	3.5	-64.95	≤ -62.0	10	100	90	Pass
159	320	6745	6900	-60.16	3.5	-63.66	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 8											
213	20	7015	7015	-61.74	3.5	-65.24	≤ -62.0	10	100	90	Pass
191	320	6905	6750	-60.30	3.5	-63.80	≤ -62.0	10	100	90	Pass
191	320	6905	6905	-61.18	3.5	-64.68	≤ -62.0	10	100	90	Pass
191	320	6905	7060	-59.04	3.5	-62.54	≤ -62.0	10	100	90	Pass

Note 1: Adjust Power (dBm) = AWGN Power (dBm) – Antenna Gain (dBi).

Note 2: Conducted measurements are used.

Test Site	SIP-TR1	Test Engineer	Alan Yu
Test Date	2025-04-07 ~ 2025-04-10		

Bandwidth (MHz)	Freq. (MHz)	AWGN Freq. (MHz)	Adjust Power (dBm)	EUT Tx Status
Operation Band: U-NII 5				
20	6115	6115	-68.90	ON
			-67.90	Minimal
			-63.06	OFF
320	6265	6110	-72.10	ON
			-71.10	Minimal
			-64.62	OFF
320	6265	6265	-74.10	ON
			-73.10	Minimal
			-65.70	OFF
320	6265	6420	-72.60	ON
			-71.60	Minimal
			-64.90	OFF
Operation Band: U-NII 6				
20	6435	6435	-69.90	ON
			-68.90	Minimal
			-65.29	OFF
320	6425	6270	-69.60	ON
			-68.60	Minimal
			-63.62	OFF
320	6425	6425	-71.60	ON
			-70.60	Minimal
			-64.95	OFF
320	6425	6580	-68.90	ON
			-67.90	Minimal
			-64.11	OFF

Bandwidth (MHz)	Freq. (MHz)	AWGN Freq. (MHz)	Adjust Power (dBm)	EUT Status
Operation Band: U-NII 7				
20	6855	6855	-67.60	ON
			-66.60	Minimal
			-64.65	OFF
320	6745	6590	-68.90	ON
			-67.90	Minimal
			-63.20	OFF
320	6745	6745	-68.60	ON
			-67.60	Minimal
			-64.95	OFF
320	6745	6900	-67.60	ON
			-66.60	Minimal
			-63.66	OFF
Operation Band: U-NII 8				
20	7015	7015	-75.00	ON
			-74.00	Minimal
			-65.24	OFF
320	6905	6750	-68.70	ON
			-67.70	Minimal
			-63.80	OFF
320	6905	6905	-68.60	ON
			-67.60	Minimal
			-64.68	OFF
320	6905	7060	-66.30	ON
			-65.30	Minimal
			-62.54	OFF

Note:

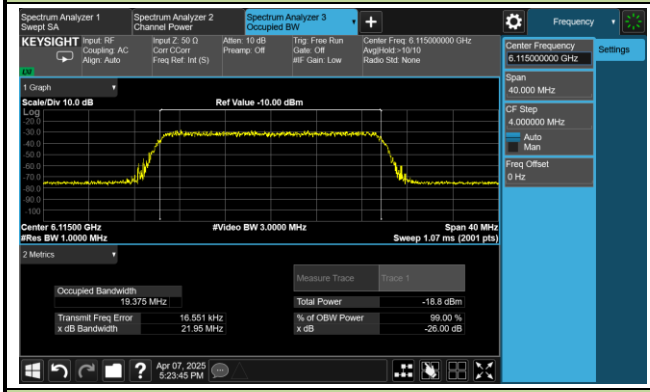
OFF: AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds

Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently

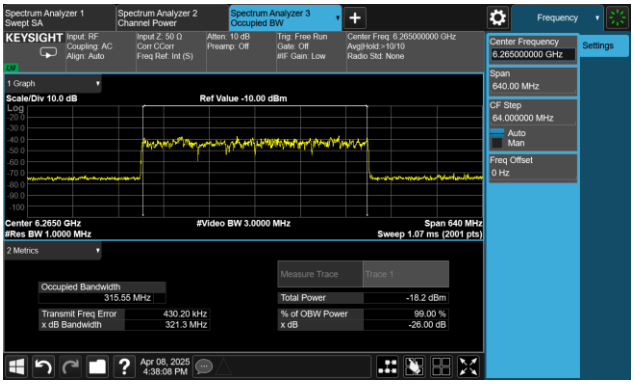
ON: AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds

EUT Tx Waveform

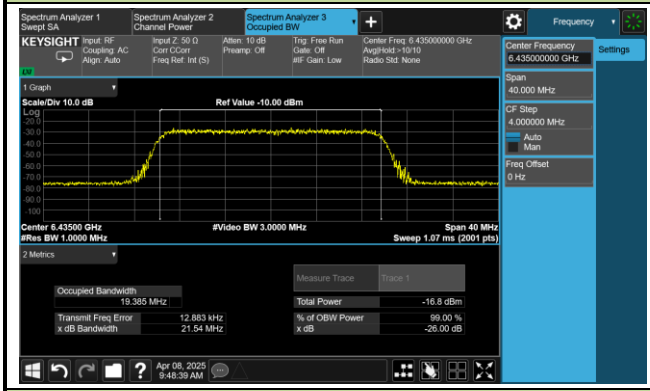
802.11be-EHT20 / CH33



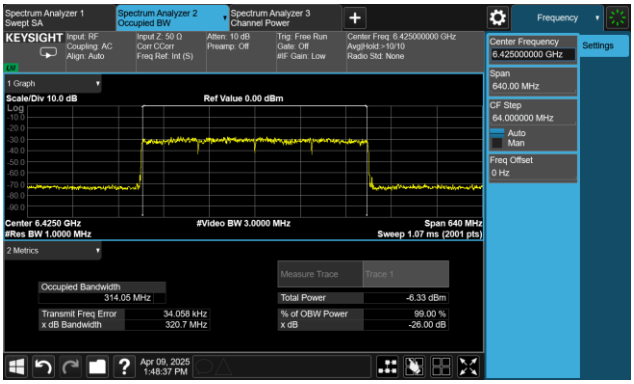
802.11be-EHT320 / CH63



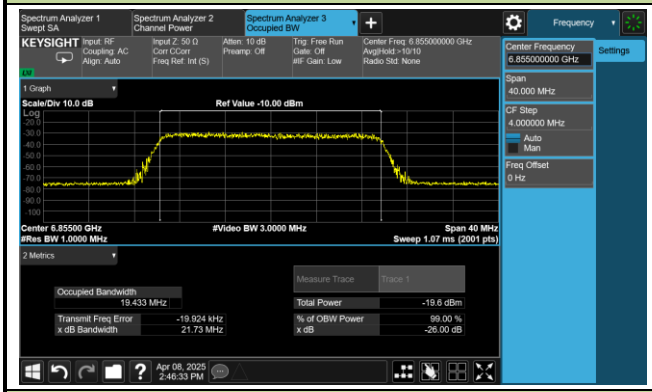
802.11be-EHT20 / CH97



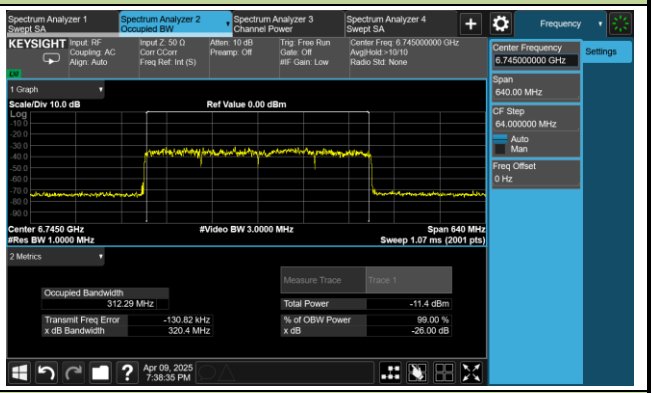
802.11be-EHT320 / CH95



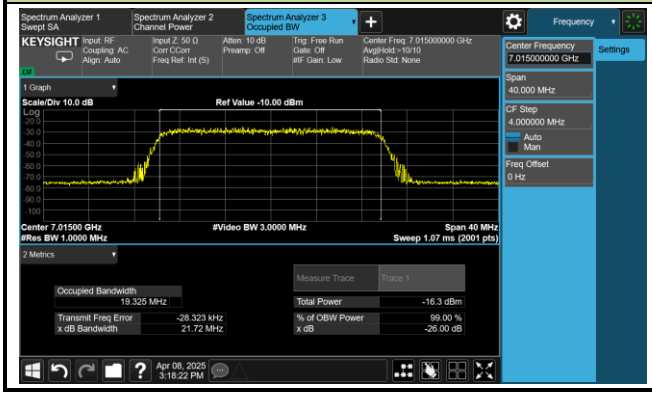
802.11be-EHT20 / CH181



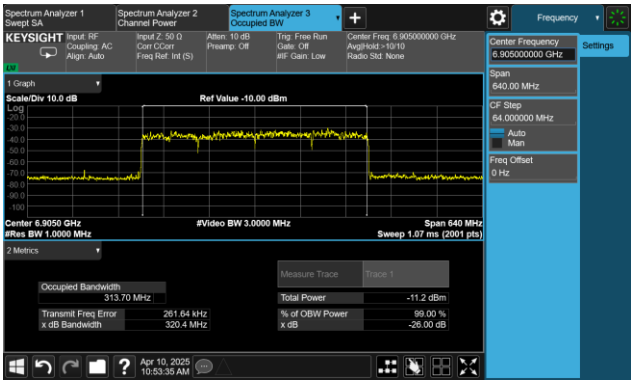
802.11be-EHT320 / CH159

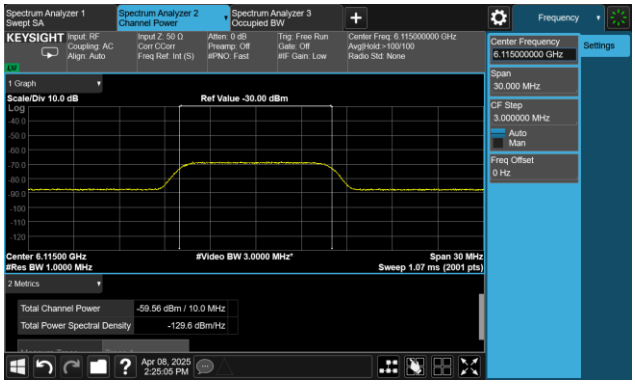
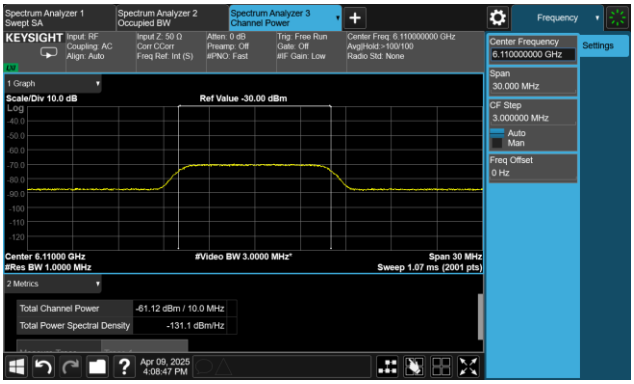
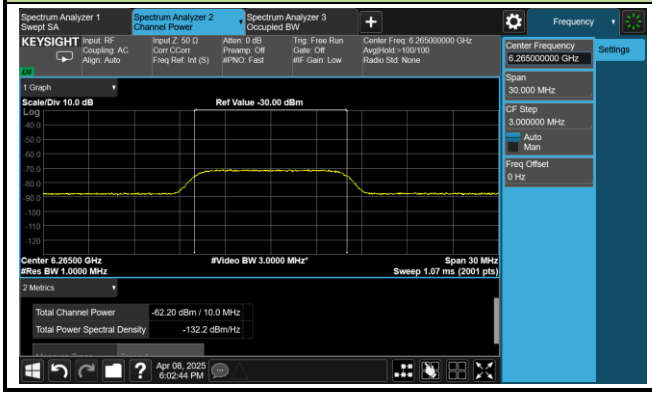
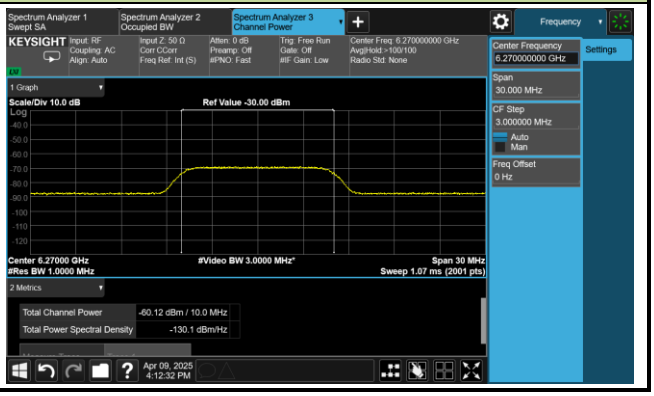


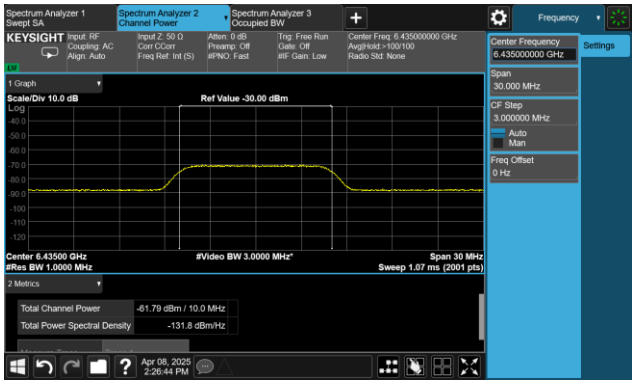
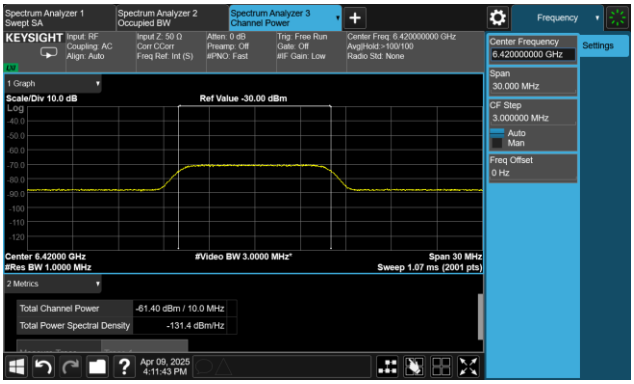
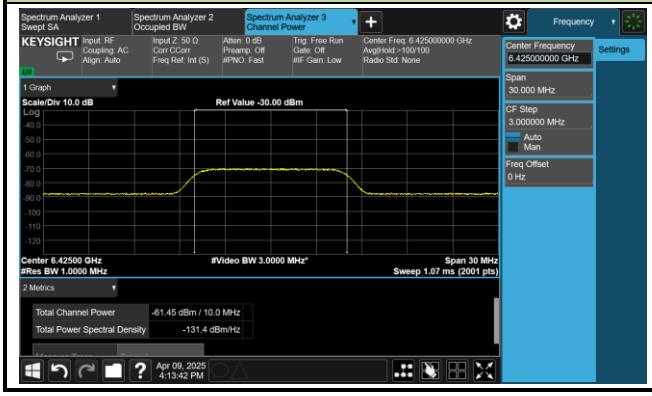
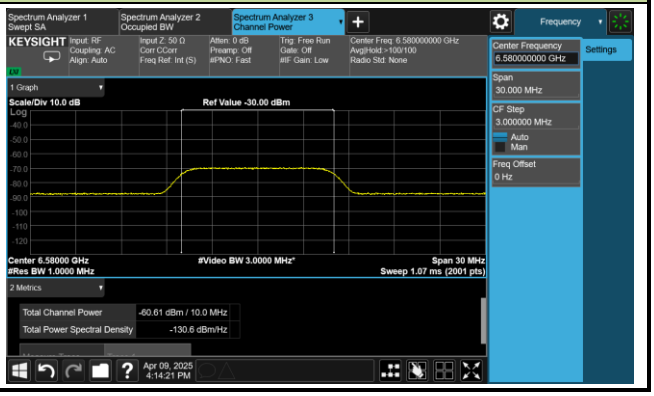
802.11be-EHT20 / CH213

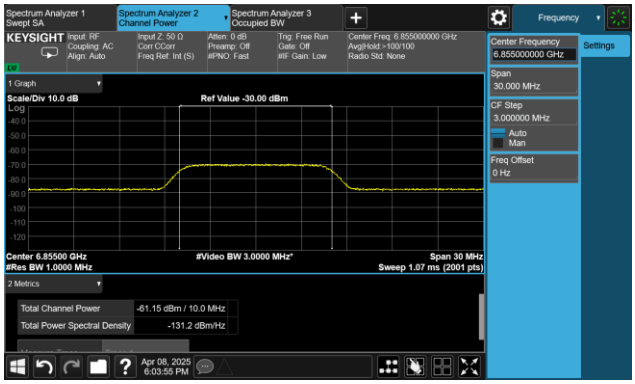
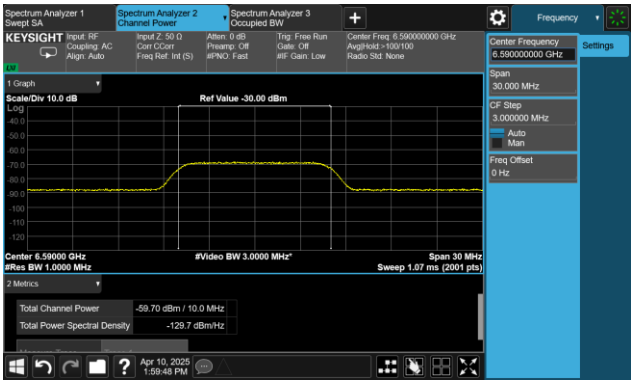
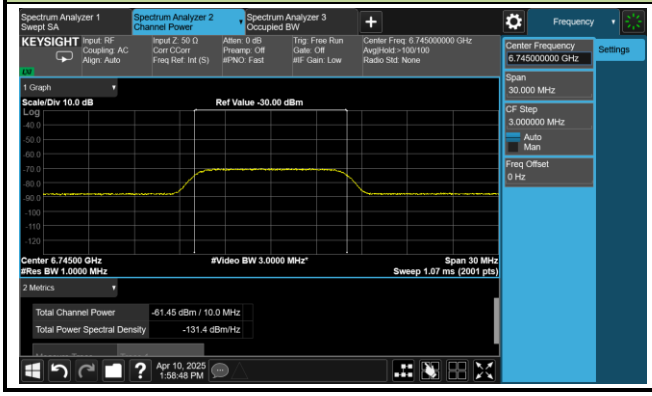
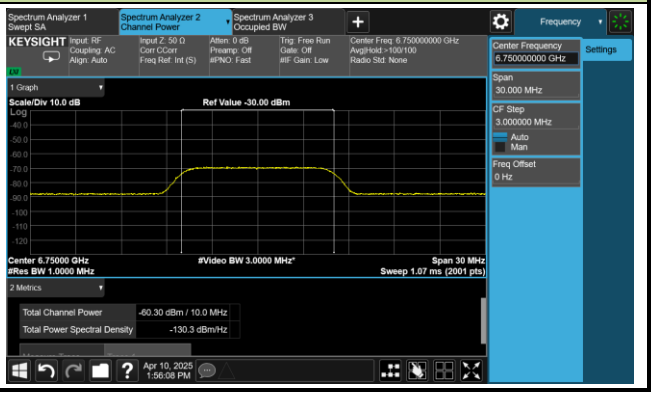


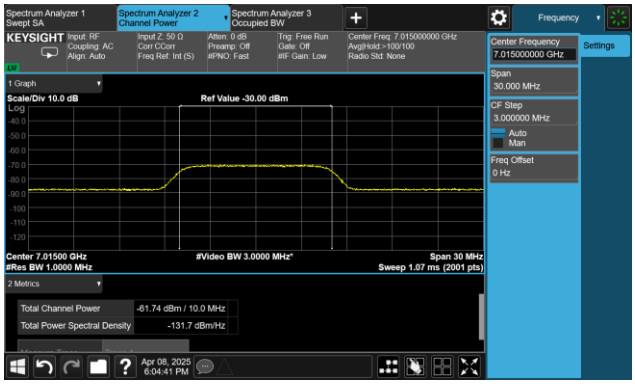
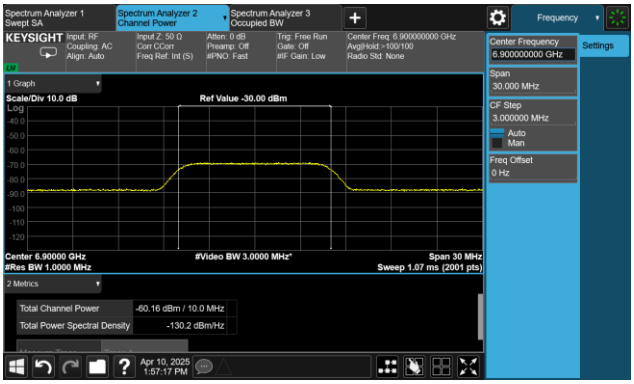
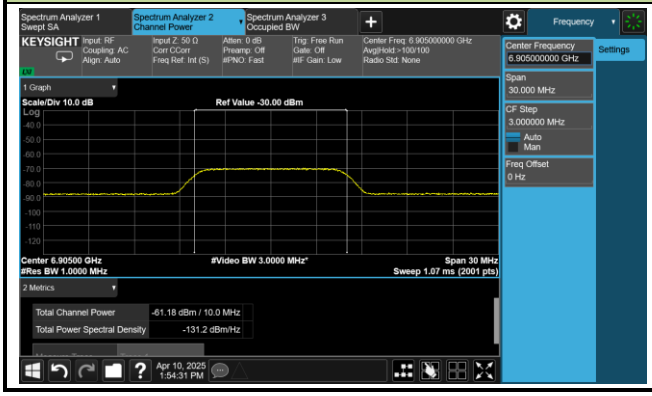
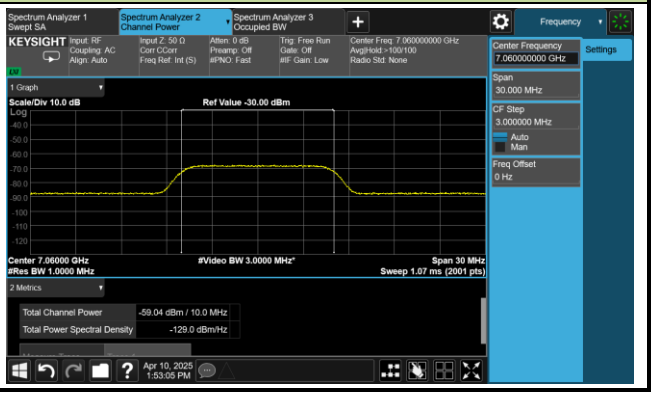
802.11be-EHT320 / CH191

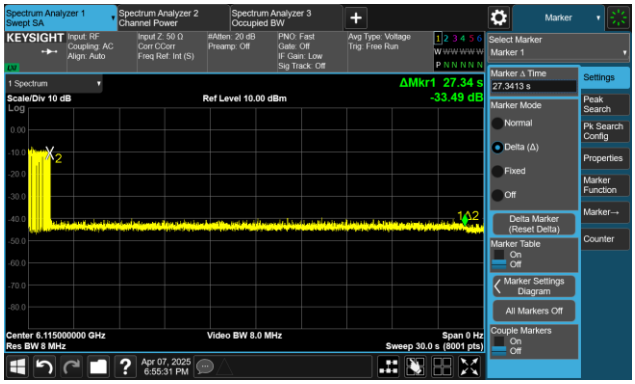
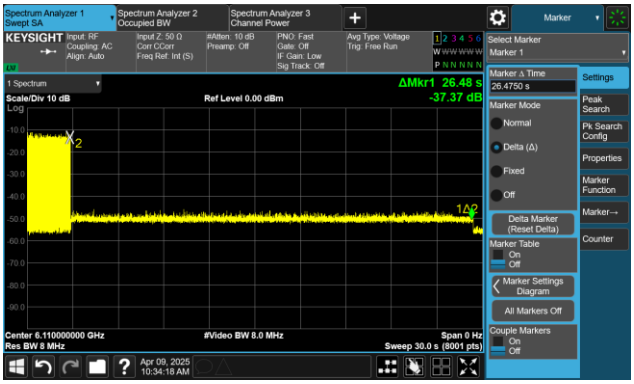
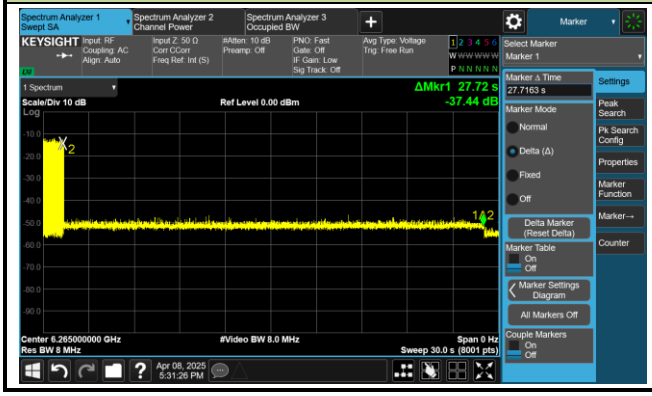
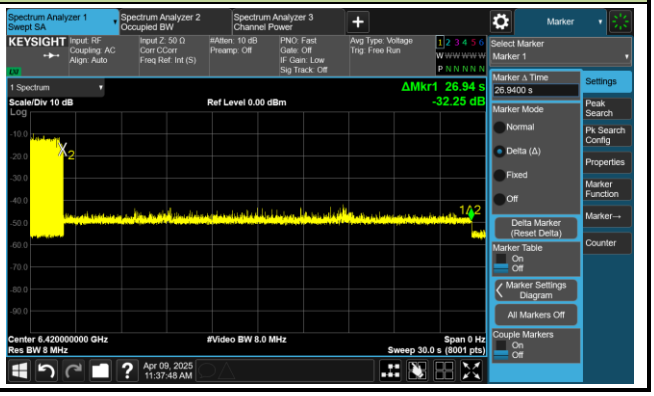


Incumbent Signal Calibration Plots (NII-5 Band)	
802.11be-EHT20 / CH33	802.11be-EHT320 / CH63 (Low Edge)
	
802.11be-EHT320 / CH63 (Middle)	802.11be-EHT320 / CH63 (High Edge)
	

Incumbent Signal Calibration Plots (NII-6 Band)	
802.11be-EHT20 / CH97	802.11be-EHT320 / CH95 (Low Edge)
	
802.11be-EHT320 / CH95 (Middle)	802.11be-EHT320 / CH95 (High Edge)
	

Incumbent Signal Calibration Plots (NII-7 Band)	
802.11be-EHT20 / CH181	802.11be-EHT320 / CH159 (Low Edge)
	
802.11be-EHT320 / CH159 (Middle)	802.11be-EHT320 / CH159 (High Edge)
	

Incumbent Signal Calibration Plots (NII-8 Band)	
802.11be-EHT20 / CH181	802.11be-EHT320 / CH191 (Low Edge)
	
802.11be-EHT320 / CH191 (Middle)	802.11be-EHT320 / CH191 (High Edge)
	

Test Result of EUT ceased transmission (NII-5 Band)	
802.11be-EHT20 / CH33	802.11be-EHT320 / CH63 (Low Edge)
	
802.11be-EHT320 / CH63 (Middle)	802.11be-EHT320 / CH63 (High Edge)