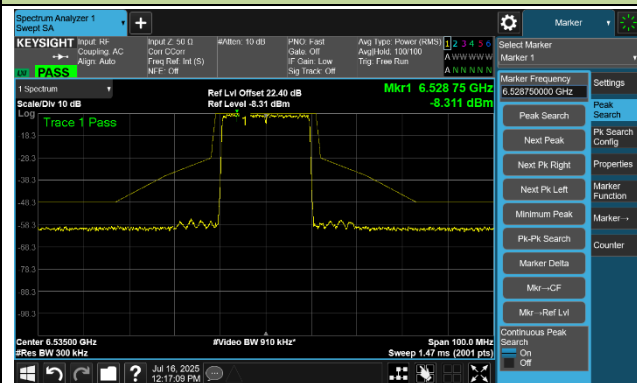
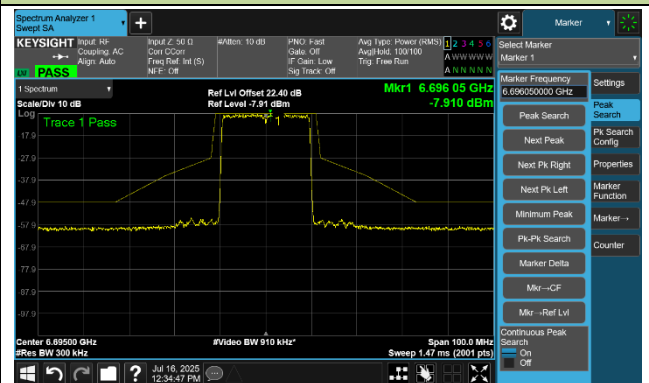


802.11be-EHT20 In-Band Emission- Ant 3

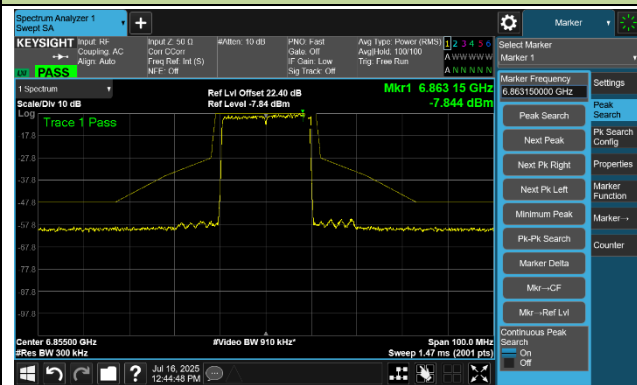
Channel 117 (6535 MHz)



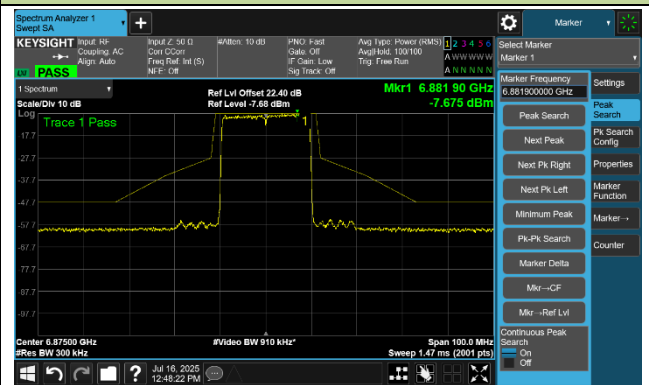
Channel 149 (6695 MHz)



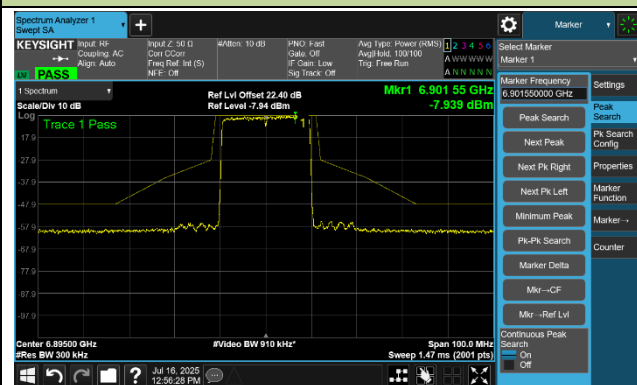
Channel 181 (6855 MHz)



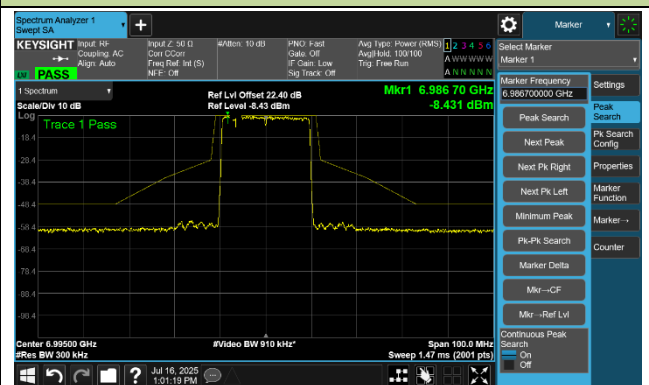
Channel 185 (6875 MHz)



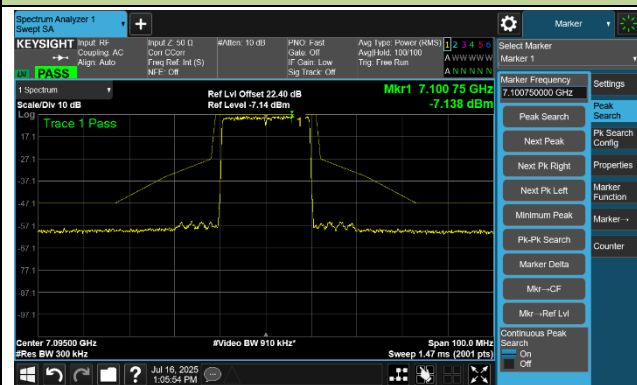
Channel 189 (6895 MHz)



Channel 209 (6995 MHz)

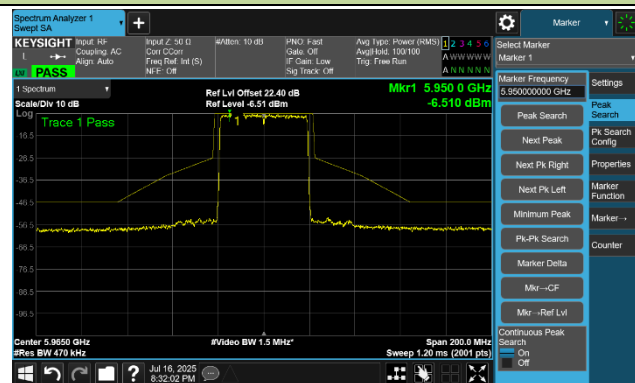


Channel 229 (7095 MHz)

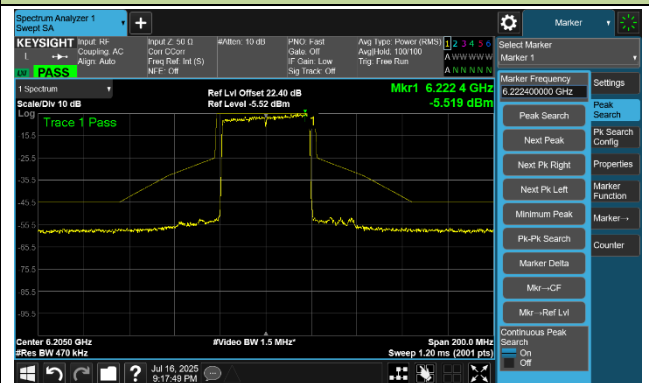


802.11be-EHT40 In-Band Emission- Ant 3

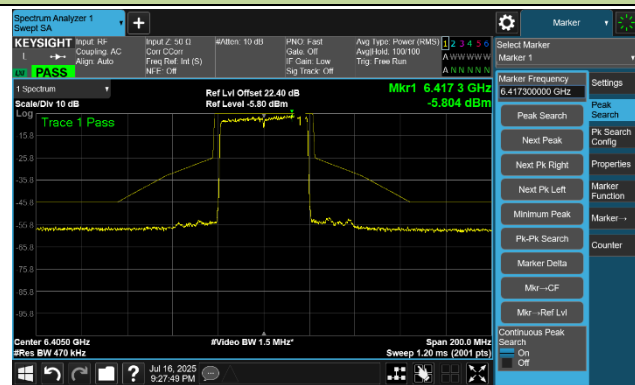
Channel 3 (5965 MHz)



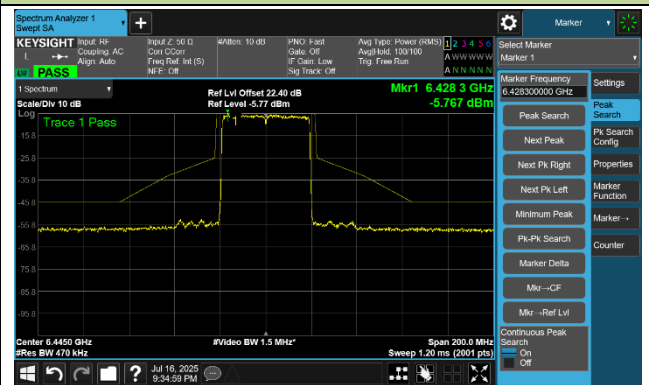
Channel 51 (6205 MHz)



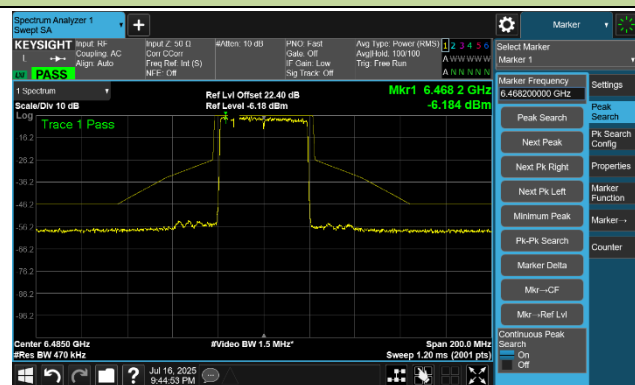
Channel 91 (6405 MHz)



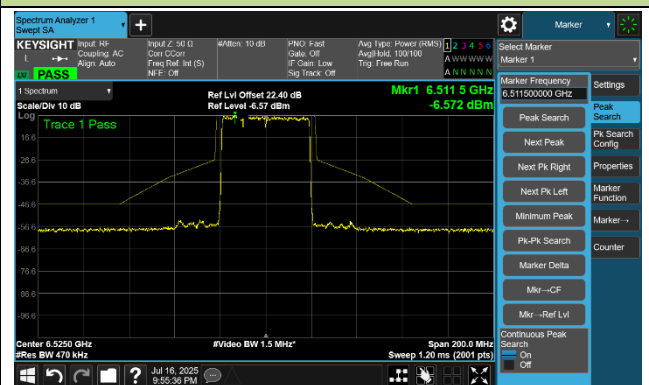
Channel 99 (6445 MHz)



Channel 107 (6485 MHz)

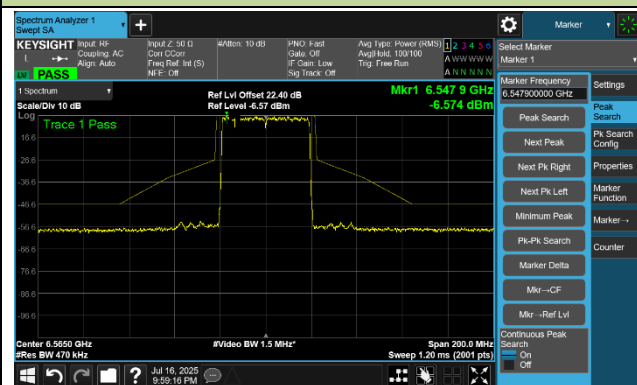


Channel 115 (6525 MHz)

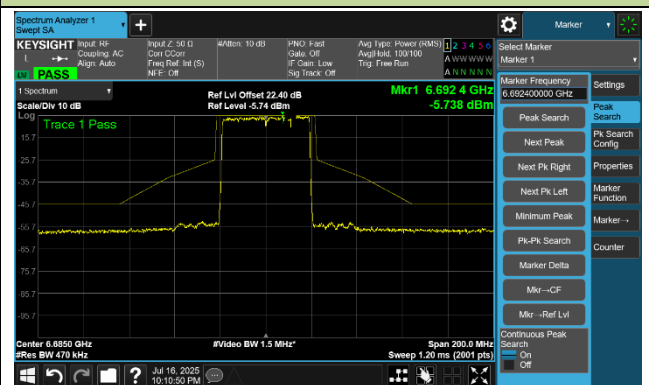


802.11be-EHT40 In-Band Emission- Ant 3

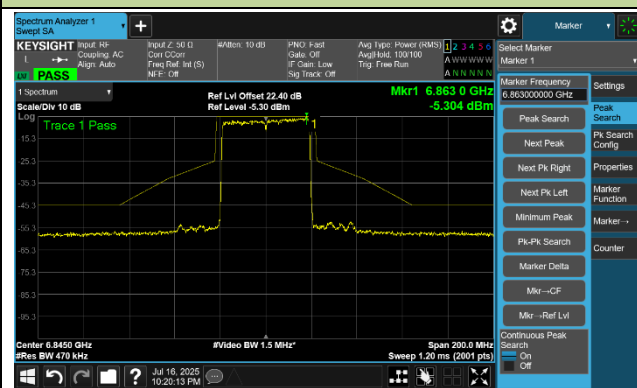
Channel 123 (6565 MHz)



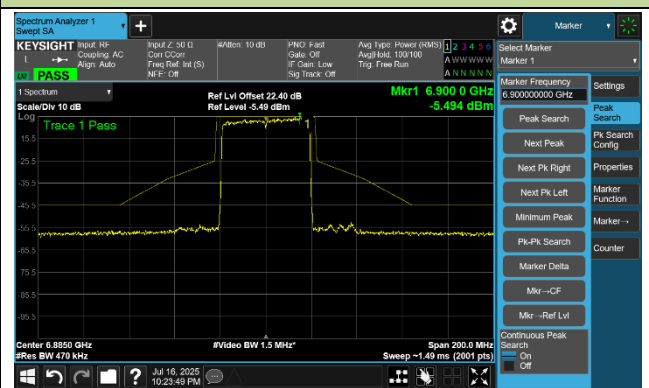
Channel 147 (6685 MHz)



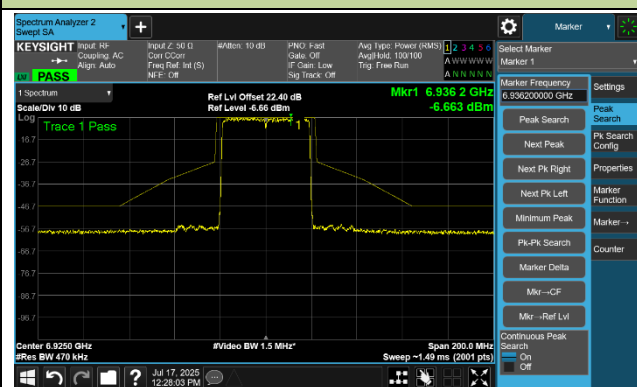
Channel 179 (6845 MHz)



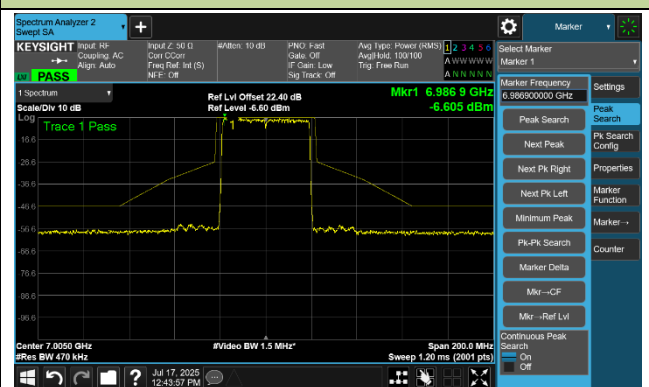
Channel 187 (6885 MHz)



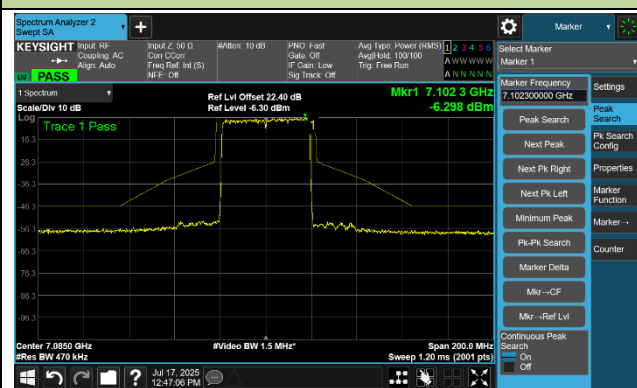
Channel 195 (6925 MHz)



Channel 211 (7005 MHz)

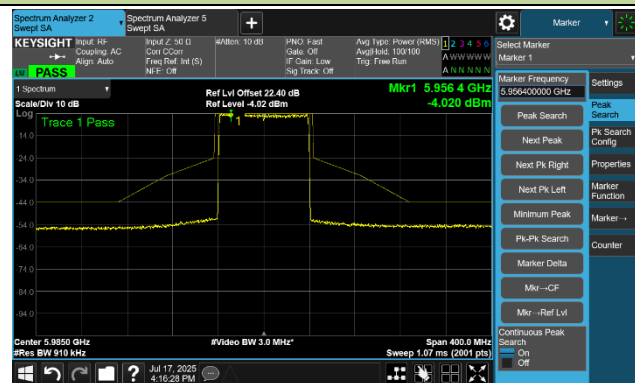


Channel 227 (7085 MHz)

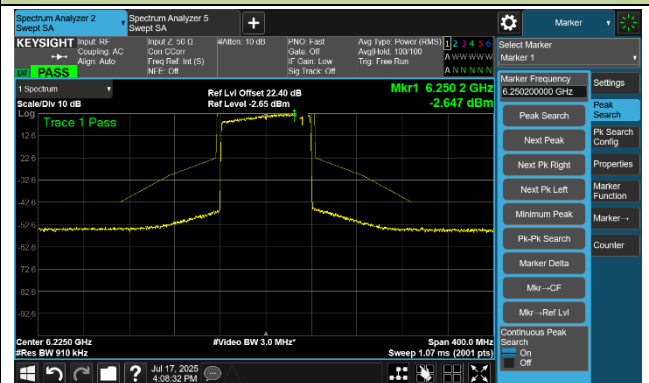


802.11be-EHT80 In-Band Emission- Ant 3

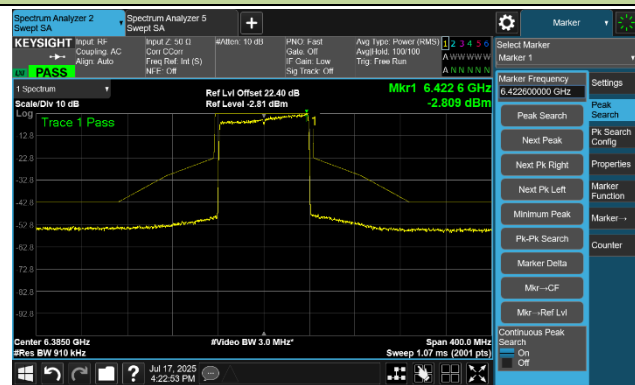
Channel 7 (5985 MHz)



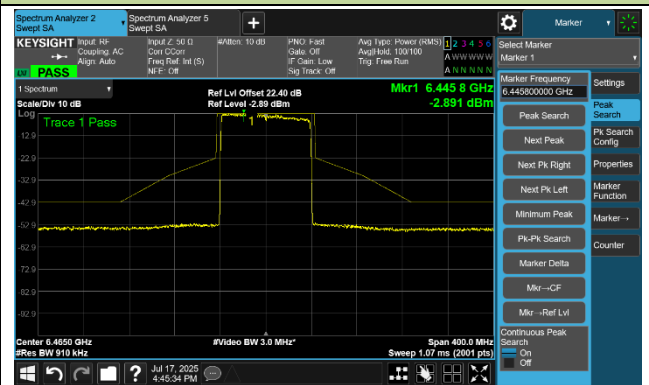
Channel 55 (6225 MHz)



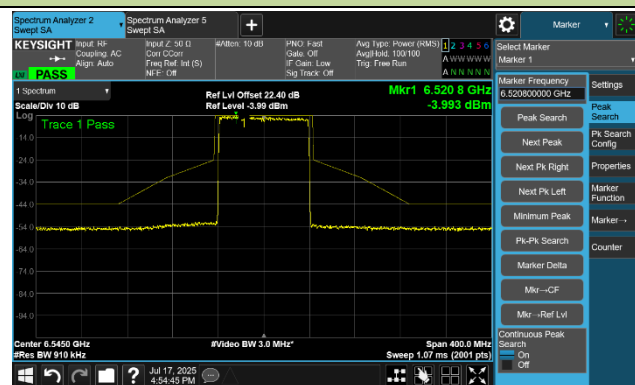
Channel 87 (6385 MHz)



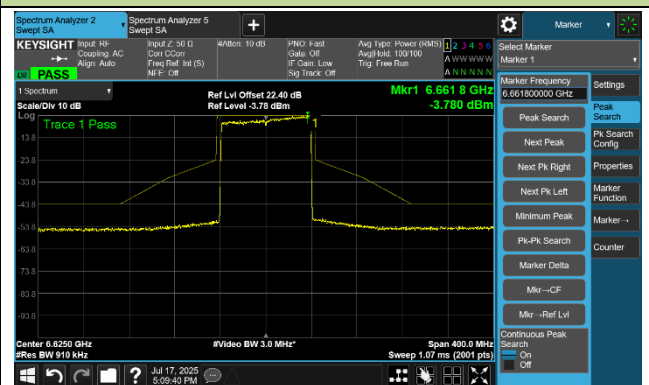
Channel 103 (6465 MHz)



Channel 119 (6545 MHz)

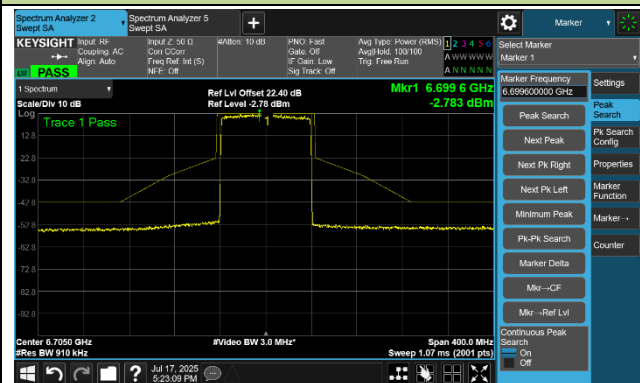


Channel 135 (6625 MHz)

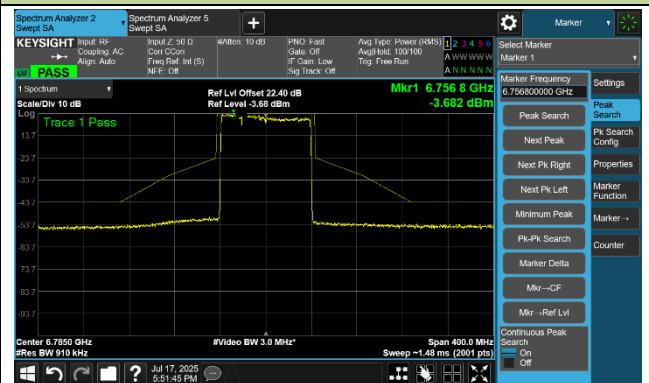


802.11be-EHT80 In-Band Emission- Ant 3

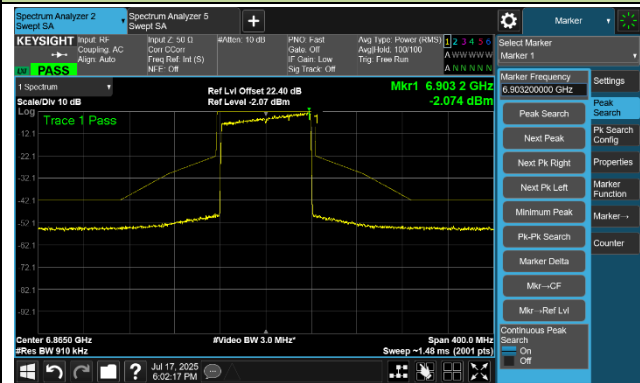
Channel 151 (6705 MHz)



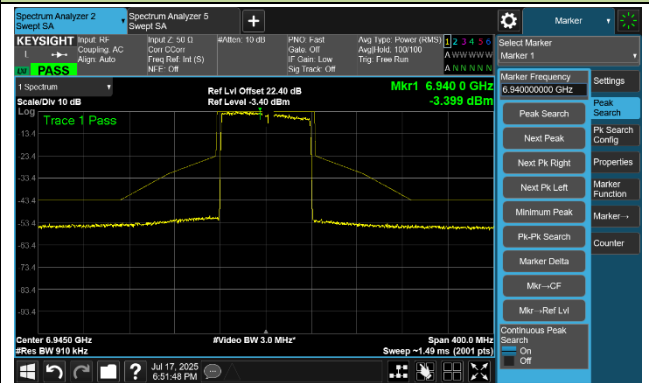
Channel 167 (6785 MHz)



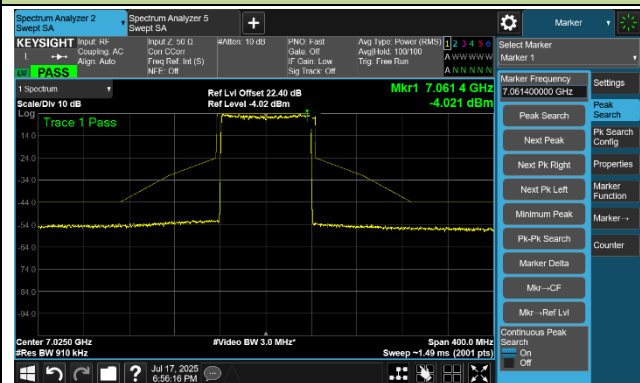
Channel 183 (6865 MHz)



Channel 199 (6945 MHz)

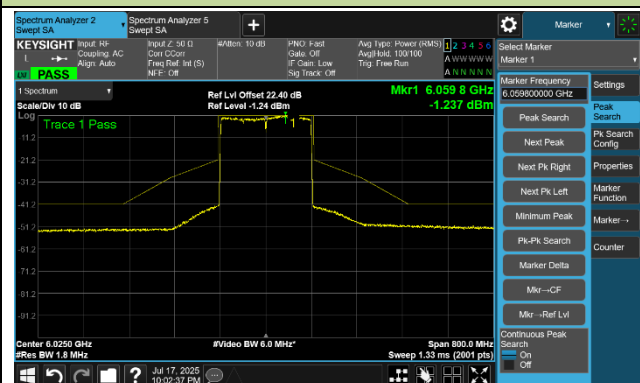


Channel 215 (7025 MHz)

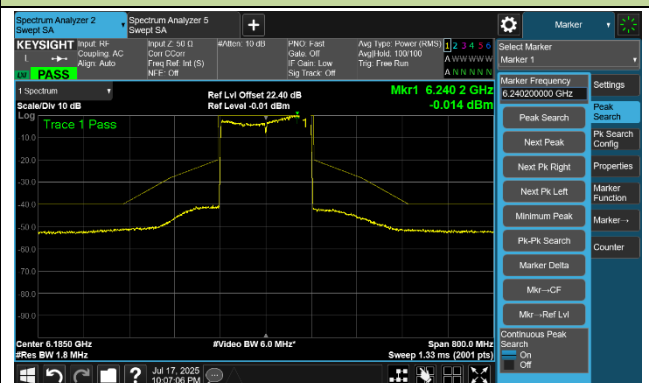


802.11be-EHT160 In-Band Emission- Ant 3

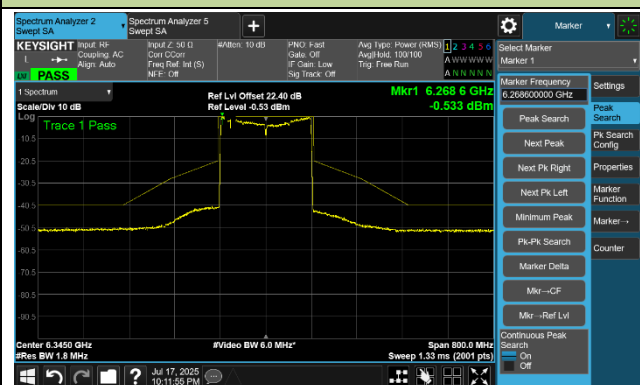
Channel 15 (6025 MHz)



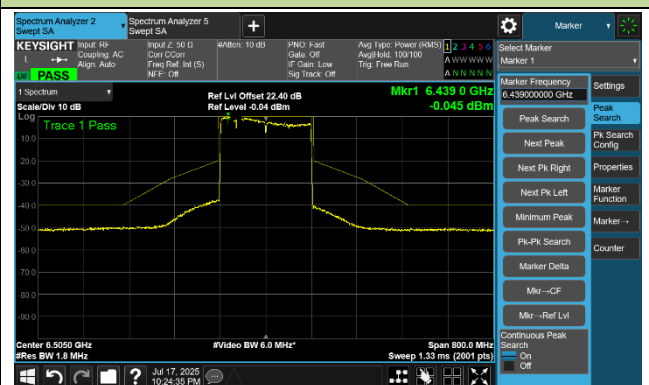
Channel 47 (6185 MHz)



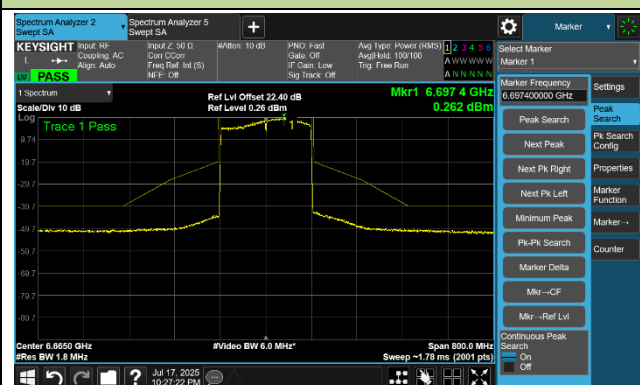
Channel 79 (6345 MHz)



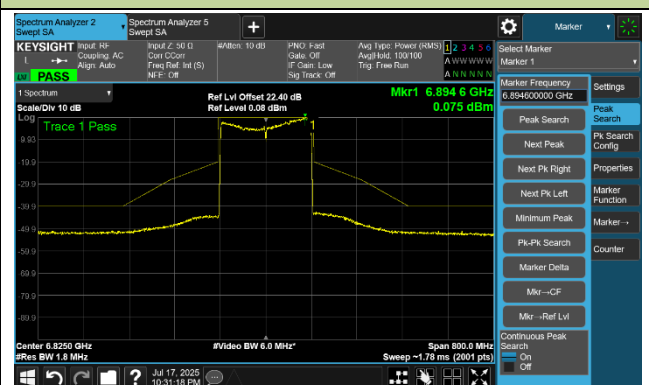
Channel 111 (6505 MHz)



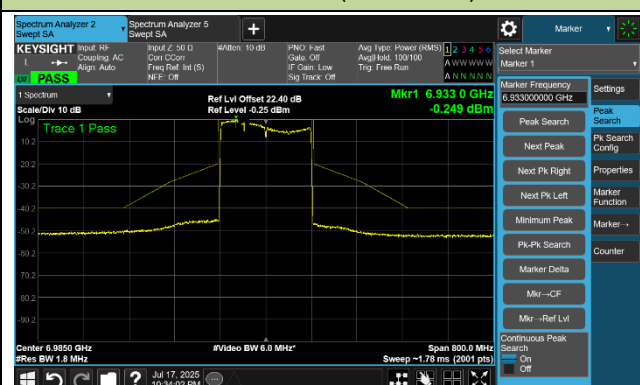
Channel 143 (6665 MHz)



Channel 175 (6825 MHz)

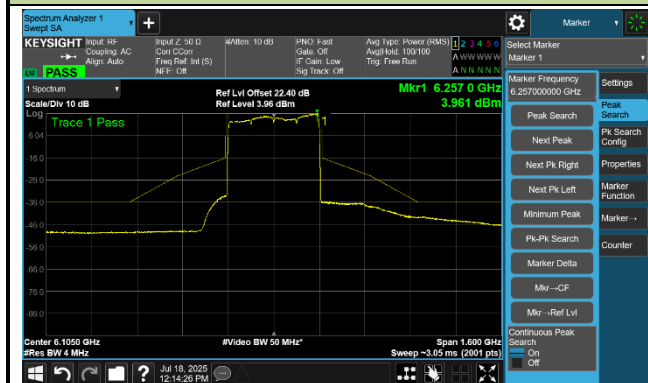


Channel 207 (6985 MHz)



802.11be-EHT320-1 In-Band Emission- Ant 3

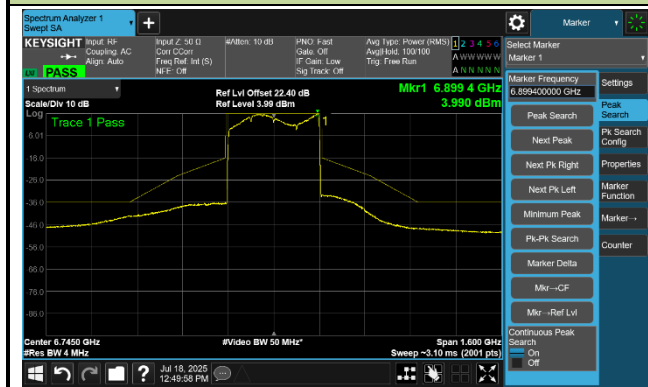
Channel 31 (6105 MHz)



Channel 95 (6425 MHz)

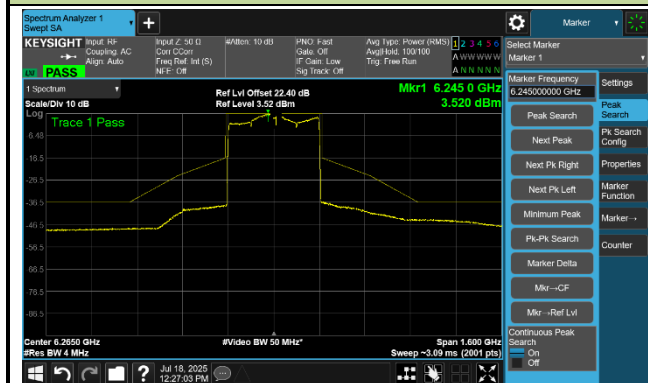


Channel 159 (6745 MHz)

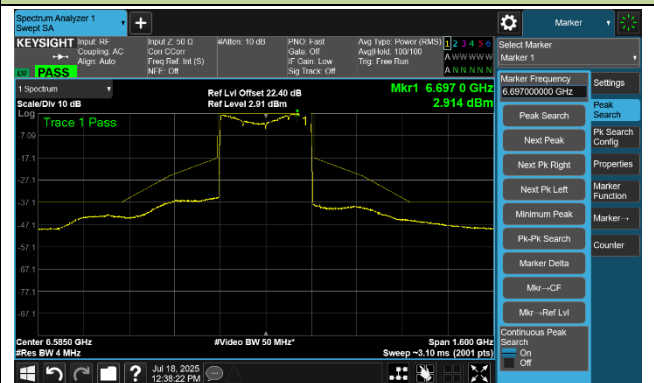


802.11be-EHT320-2 In-Band Emission- Ant 3

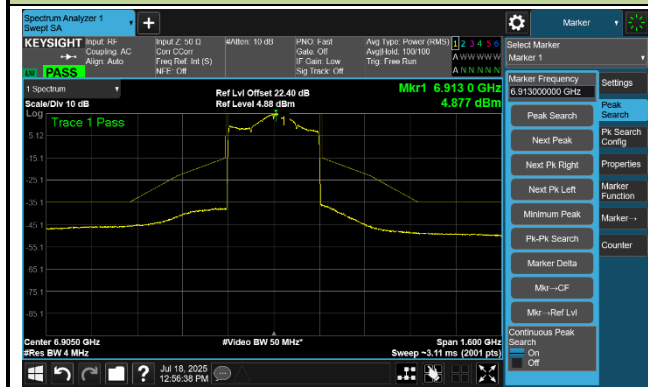
Channel 63 (6265 MHz)



Channel 127 (6585 MHz)



Channel 191 (6905 MHz)



A.6 Contention Based Protocol Test Result

Test Site	SIP-TR1	Test Engineer	Nolan Chen
Test Date	2025-07-22~2025-07-23		

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	-63.30	4.72	-68.02	≤ -62.0	10	100	90	Pass
63	320	6265	6110	-61.42	4.72	-66.14	≤ -62.0	10	100	90	Pass
63	320	6265	6265	-62.13	4.72	-66.85	≤ -62.0	10	100	90	Pass
63	320	6265	6420	-62.54	4.72	-67.26	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 6											
97	20	6435	6435	-62.82	4.72	-67.54	≤ -62.0	10	100	90	Pass
95	320	6425	6270	-62.28	4.72	-67.00	≤ -62.0	10	100	90	Pass
95	320	6425	6425	-62.54	4.72	-67.26	≤ -62.0	10	100	90	Pass
95	320	6425	6580	-62.78	4.72	-67.5	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 7											
181	20	6855	6855	-62.39	4.72	-67.11	≤ -62.0	10	100	90	Pass
159	320	6745	6590	-62.72	4.72	-67.44	≤ -62.0	10	100	90	Pass
159	320	6745	6745	-62.16	4.72	-66.88	≤ -62.0	10	100	90	Pass
159	320	6745	6900	-62.43	4.72	-67.15	≤ -62.0	10	100	90	Pass
Operation Band: U-NII 8											
213	20	7015	7015	-61.58	4.72	-66.30	≤ -62.0	10	100	90	Pass
191	320	6905	6750	-62.30	4.72	-67.02	≤ -62.0	10	100	90	Pass
191	320	6905	6905	-62.47	4.72	-67.19	≤ -62.0	10	100	90	Pass
191	320	6905	7060	-62.63	4.72	-67.35	≤ -62.0	10	100	90	Pass

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

Note 2: Conducted measurements are used.

Note 3: In this section of the test report, the EUT don't support bandwidth reduction.

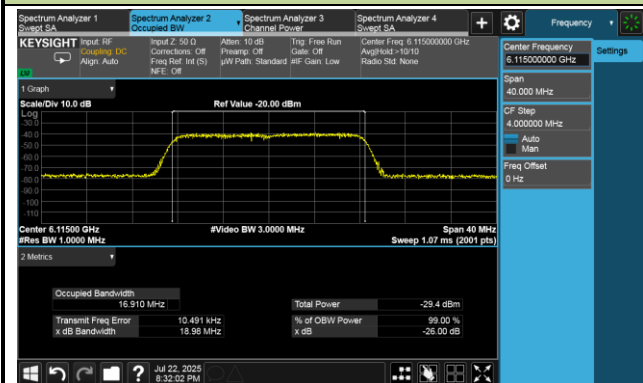
Test Site	SIP-TR1	Test Engineer	Nolan Chen
Test Date	2025-07-22~2025-07-23		

Bandwidth (MHz)	Freq. (MHz)	AWGN Freq. (MHz)	Adjust Power (dBm)	EUT Tx Status
Operation Band: U-NII 5				
20	6115	6115	-78.12	ON
			-77.12	Minimal
			-68.02	OFF
320	6265	6110	-78.32	ON
			-77.32	Minimal
			-66.14	OFF
320	6265	6265	-74.42	ON
			-73.42	Minimal
			-66.85	OFF
320	6265	6420	-76.82	ON
			-75.82	Minimal
			-67.26	OFF
Operation Band: U-NII 6				
20	6435	6435	-78.42	ON
			-77.42	Minimal
			-67.54	OFF
320	6425	6270	-76.32	ON
			-75.32	Minimal
			-67.00	OFF
320	6425	6425	-75.82	ON
			-74.82	Minimal
			-67.26	OFF
320	6425	6580	-75.92	ON
			-74.92	Minimal
			-67.50	OFF

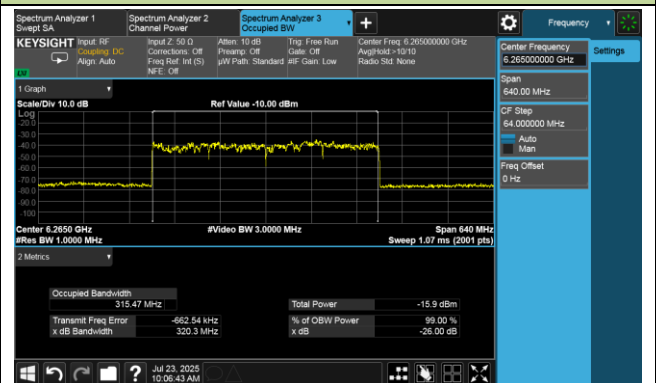
Bandwidth (MHz)	Freq. (MHz)	AWGN Freq. (MHz)	Adjust Power (dBm)	EUT Status
Operation Band: U-NII 7				
20	6855	6855	-77.32	ON
			-76.32	Minimal
			-67.11	OFF
320	6745	6590	-77.62	ON
			-76.62	Minimal
			-67.44	OFF
320	6745	6745	-76.32	ON
			-75.32	Minimal
			-66.88	OFF
320	6745	6900	-76.42	ON
			-75.42	Minimal
			-67.15	OFF
Operation Band: U-NII 8				
20	7015	7015	-77.52	ON
			-76.52	Minimal
			-66.30	OFF
320	6905	6750	-78.12	ON
			-77.12	Minimal
			-67.02	OFF
320	6905	6905	-78.02	ON
			-77.02	Minimal
			-67.19	OFF
320	6905	7060	-75.12	ON
			-74.12	Minimal
			-67.35	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

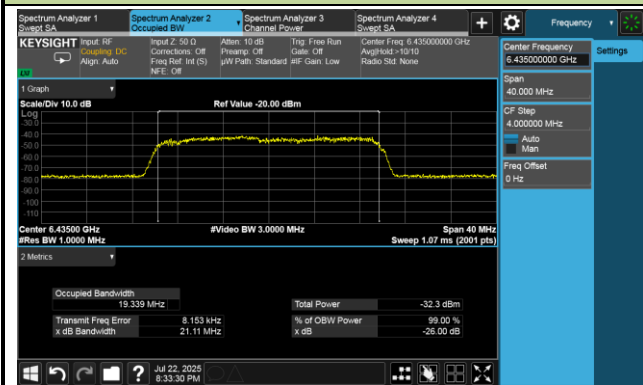
802.11be-EHT20 / CH33



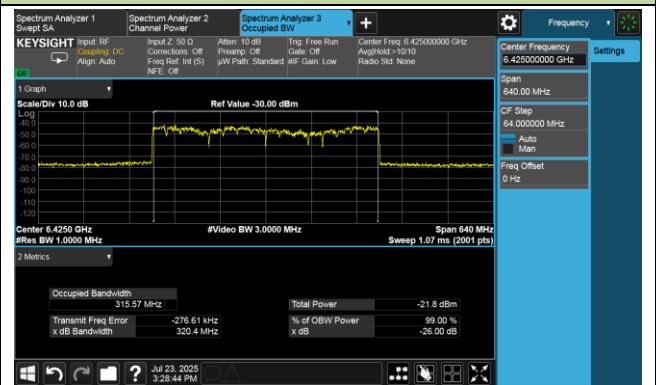
802.11be-EH320 / CH63



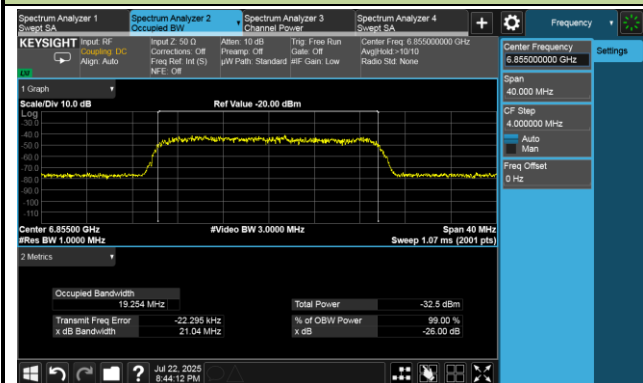
802.11be-EHT20 / CH97



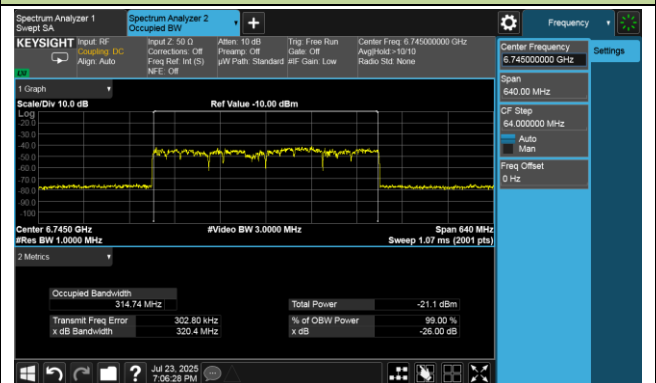
802.11be-EHT320 / CH95



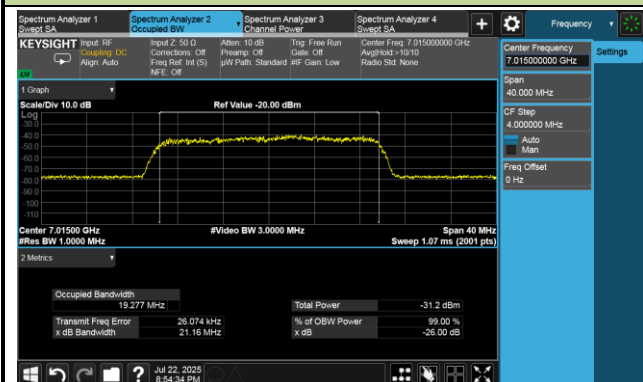
802.11be-EHT20 / CH181



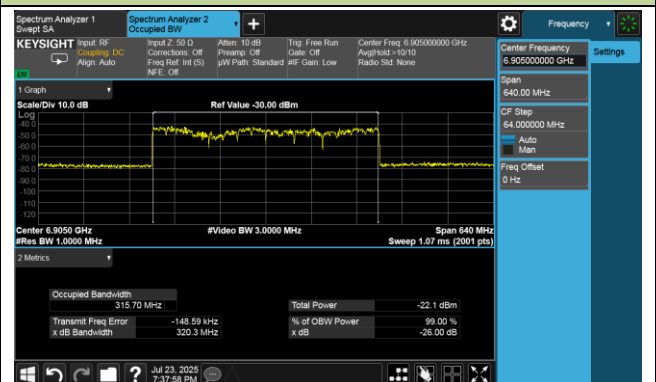
802.11be-EHT320 / CH159



802.11be-EHT20 / CH213

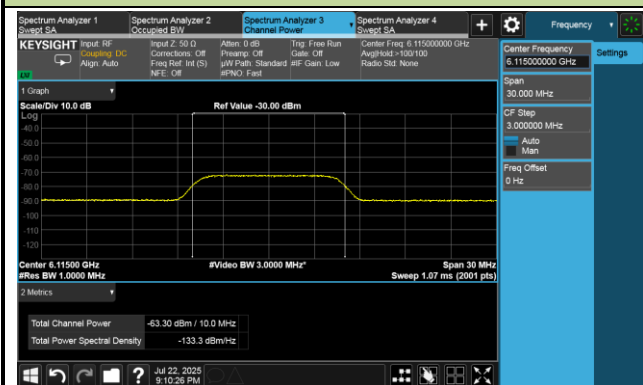


802.11be-EHT320 / CH191

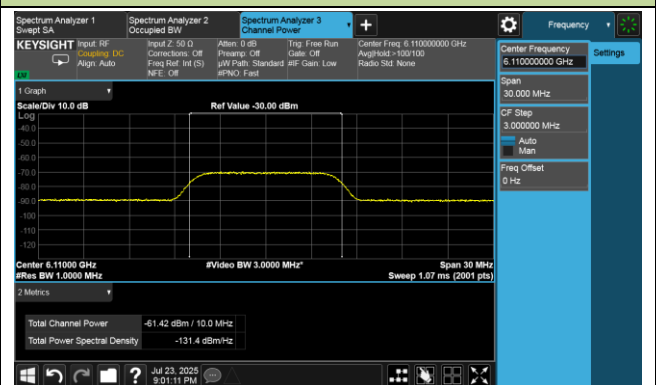


Incumbent Signal Calibration Plots (NII-5 Band)

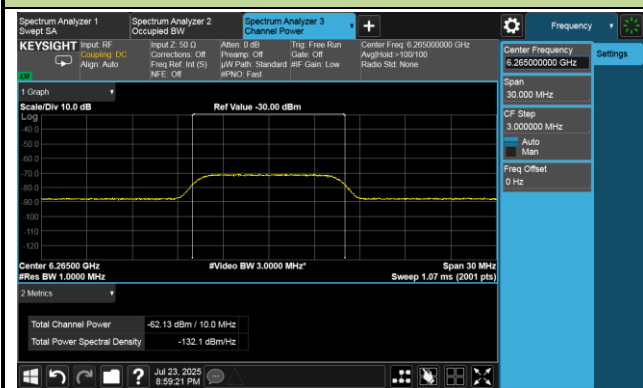
802.11be-EHT20 / CH33



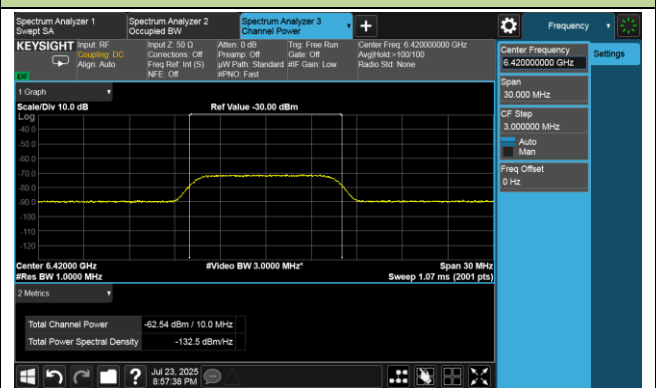
802.11be-EHT320 / CH63 (Low Edge)



802.11be-EHT320 / CH63 (Middle)

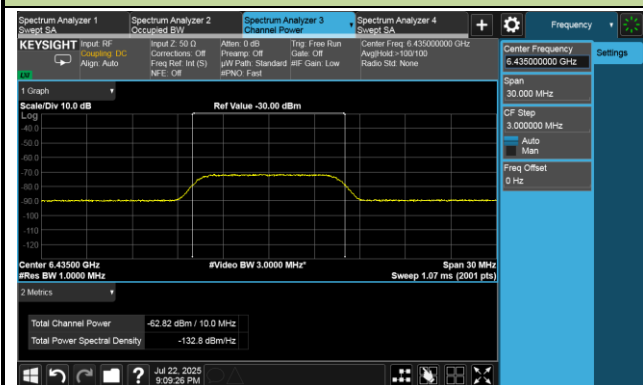


802.11be-EHT320 / CH63 (High Edge)

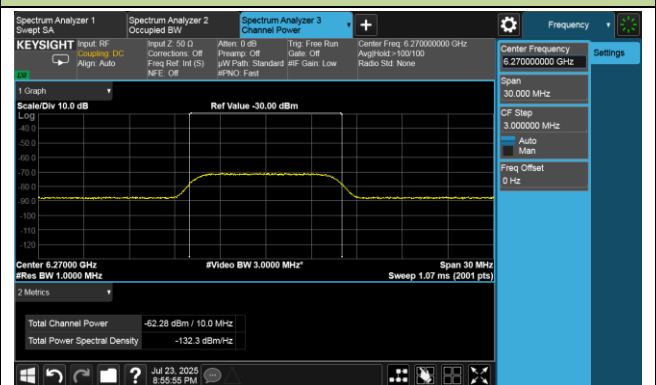


Incumbent Signal Calibration Plots (NII-6 Band)

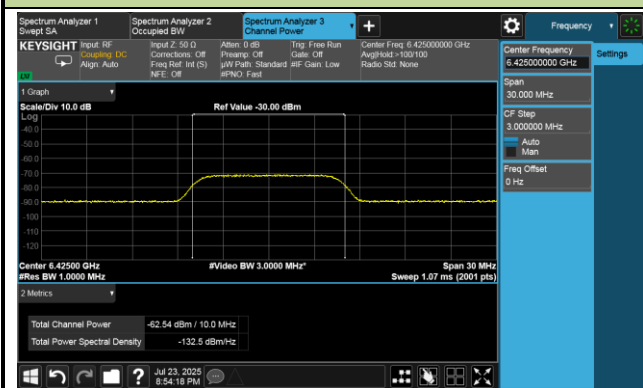
802.11be-EHT20 / CH97



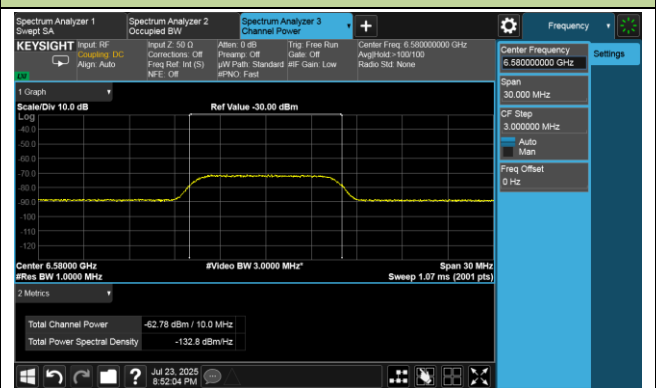
802.11be-EHT320 / CH95 (Low Edge)



802.11be-EHT320 / CH95 (Middle)

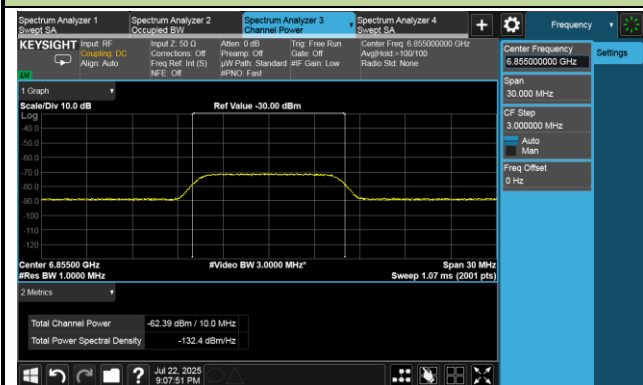


802.11be-EHT320 / CH95 (High Edge)

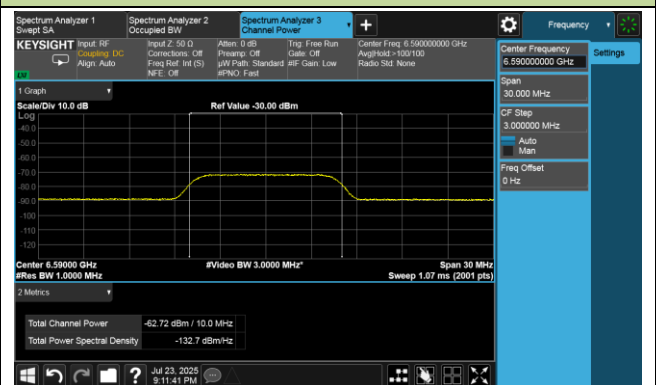


Incumbent Signal Calibration Plots (NII-7 Band)

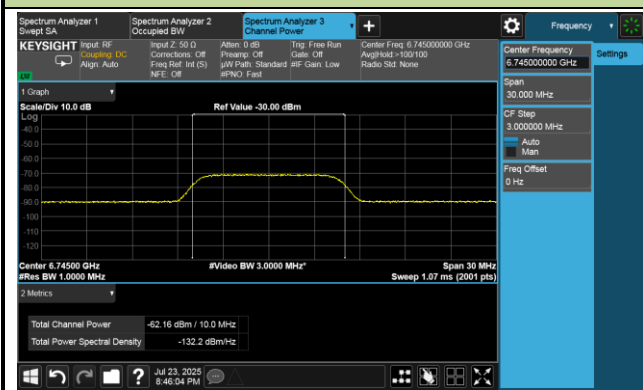
802.11be-EHT20 / CH181



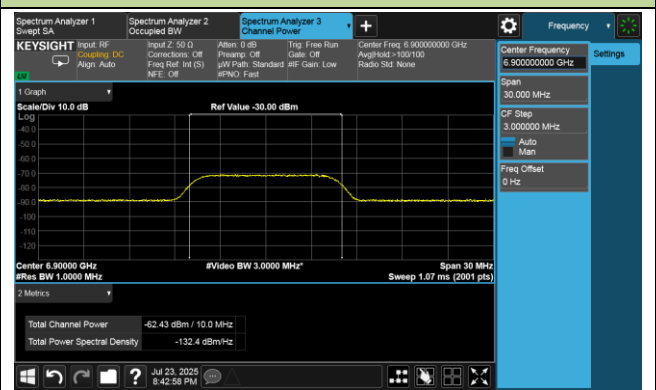
802.11be-EHT320 / CH159 (Low Edge)



802.11be-EHT320 / CH159 (Middle)

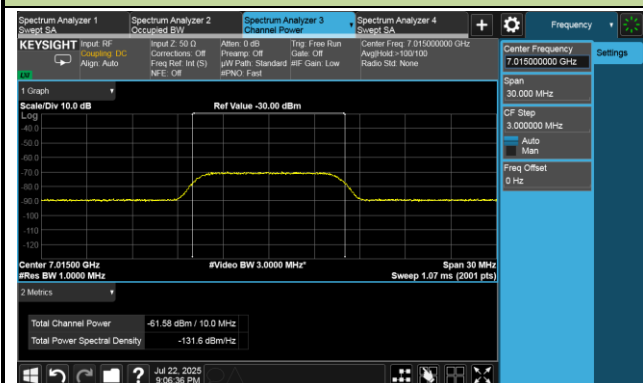


802.11be-EHT320 / CH159 (High Edge)

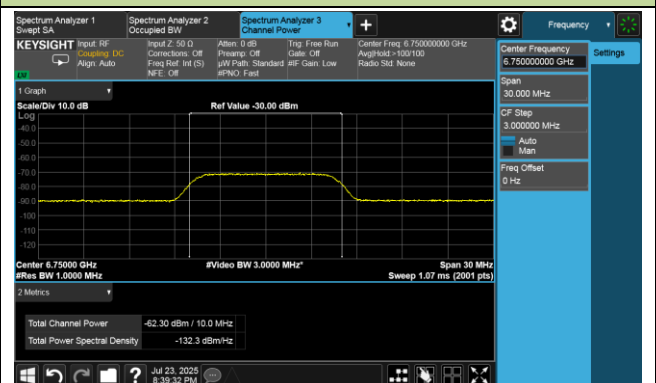


Incumbent Signal Calibration Plots (NII-8 Band)

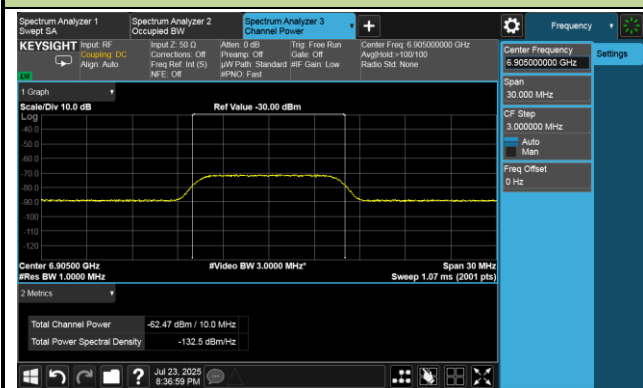
802.11be-EHT20 / CH213



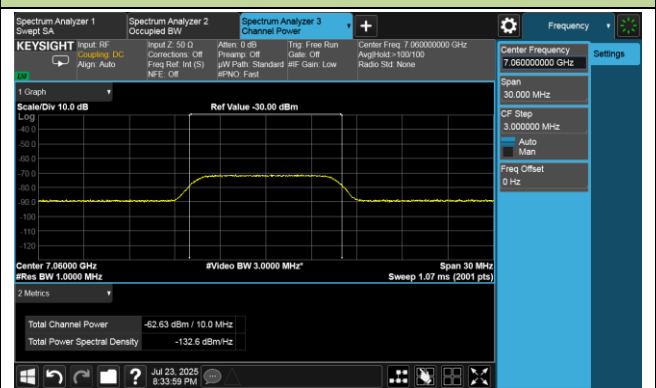
802.11be-EHT320 / CH191 (Low Edge)



802.11be-EHT320 / CH191 (Middle)

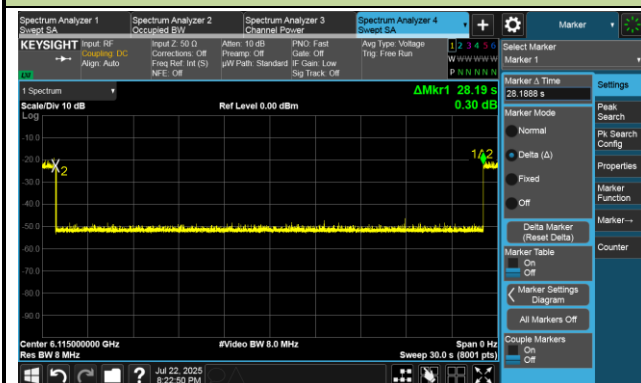


802.11be-EHT320 / CH191 (High Edge)

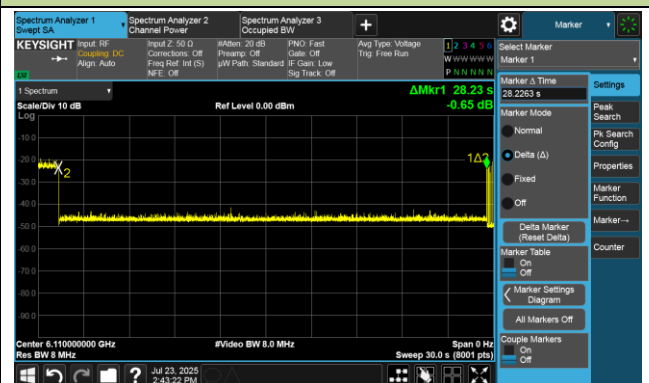


Test Result of EUT ceased transmission (NII-5 Band)

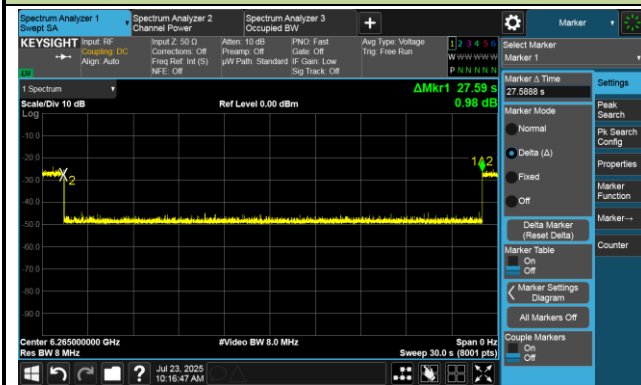
802.11be-EHT20 / CH33



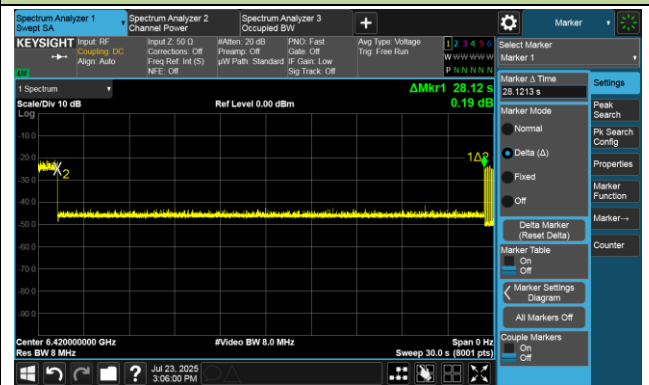
802.11be-EHT320 / CH63 (Low Edge)



802.11be-EHT320 / CH63 (Middle)

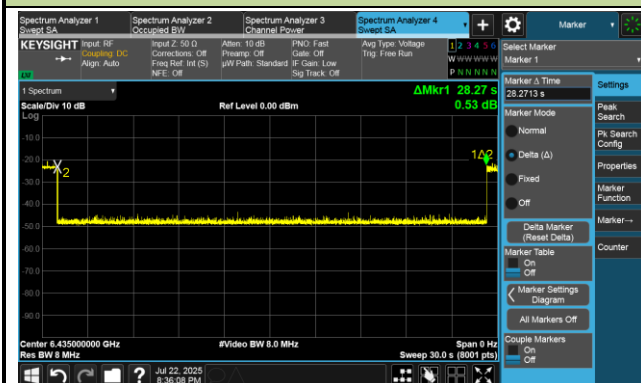


802.11be-EHT320 / CH63 (High Edge)

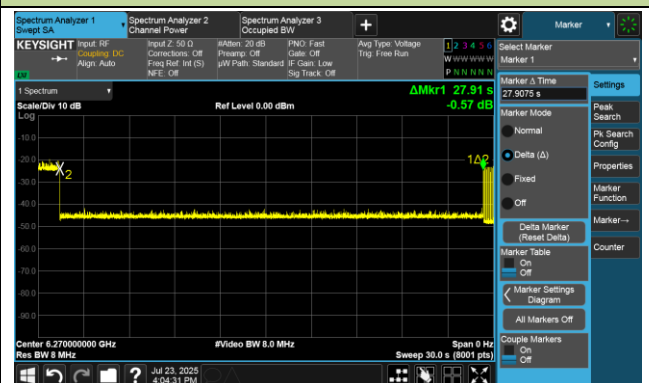


Test Result of EUT ceased transmission (NII-6 Band)

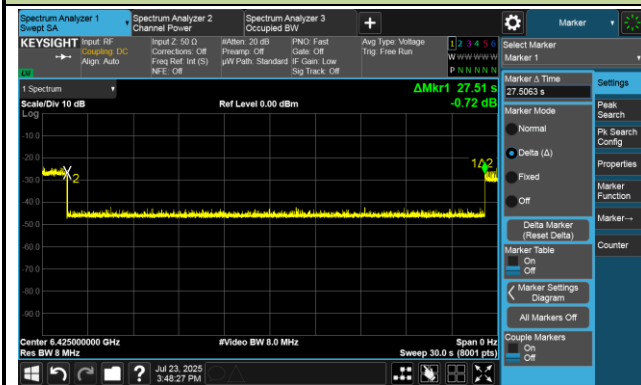
802.11be-EHT20 / CH97



802.11be-EHT320 / CH95 (Low Edge)



802.11be-EHT320 / CH95 (Middle)

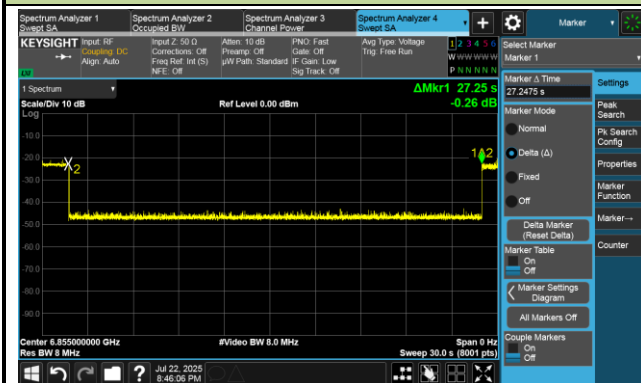


802.11be-EHT320 / CH95 (High Edge)

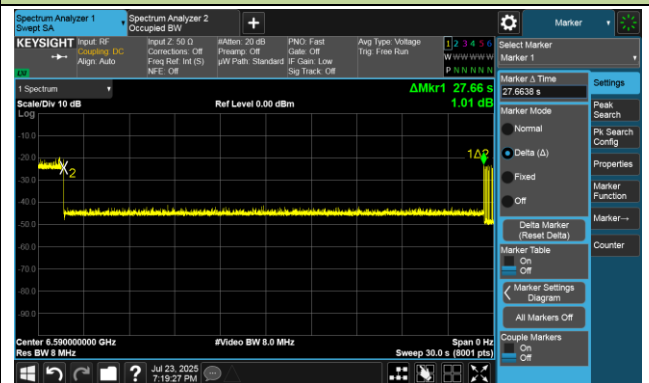


Test Result of EUT ceased transmission (NII-7 Band)

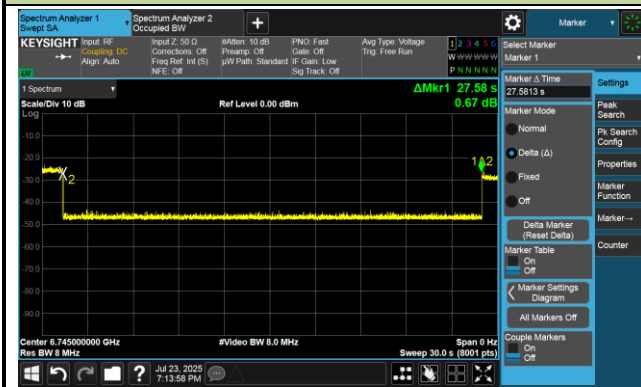
802.11be-EHT20 / CH181



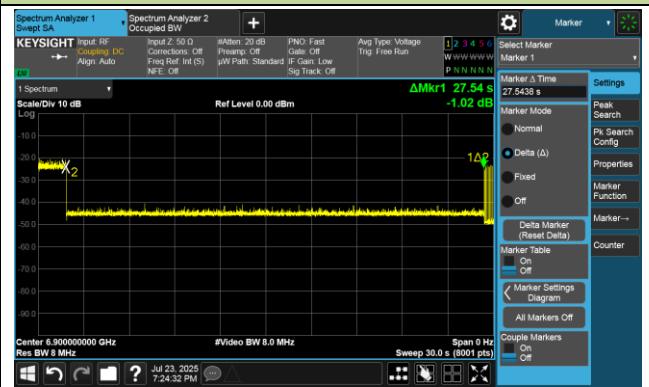
802.11be-EHT320 / CH159 (Low Edge)



802.11be-EHT320 / CH159 (Middle)

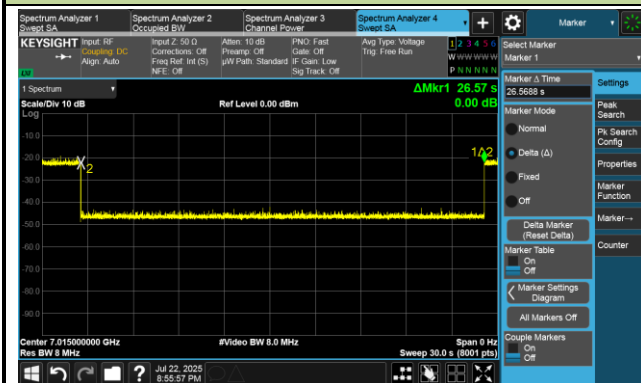


802.11be-EHT320 / CH159 (High Edge)

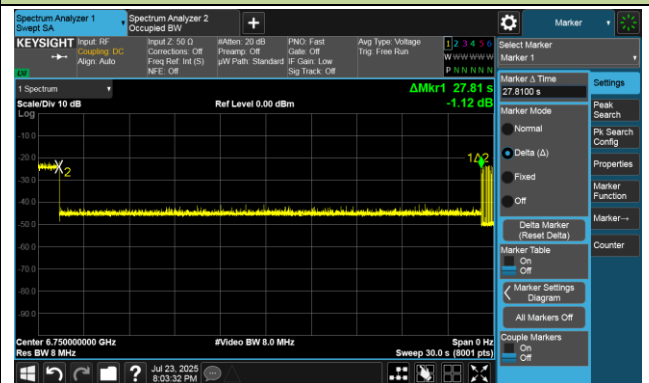


Test Result of EUT ceased transmission (NII-8 Band)

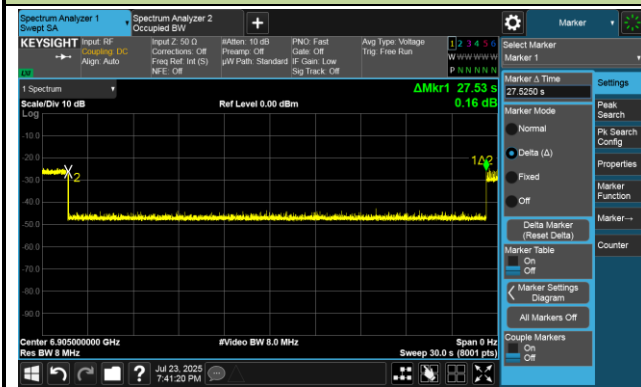
802.11be-EHT20 / CH213



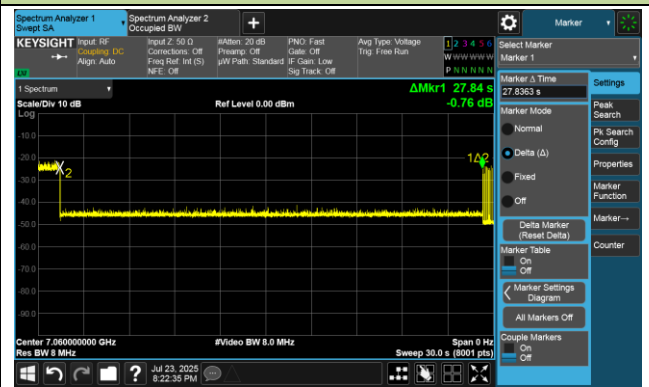
802.11be-EHT320 / CH191 (Low Edge)



802.11be-EHT320 / CH191 (Middle)



802.11be-EHT320 / CH191 (High Edge)



A.7 Radiated Spurious Emission Test Result

Product	BE19000 Tri-Band Wi-Fi 7 XGS-PON Router	Test Engineer	Bob Zhang
Test Site	WJ-AC2	Test Date	2025-07-13
Test Mode	802.11ax-HE20 (Nss=4)	Test Channel	1
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	10312.60	47.70	6.17	53.87	88.20	-34.33	Peak	Horizontal
	11140.50	42.15	5.52	47.67	54.00	-6.33	Average	Horizontal
	11140.50	45.89	5.52	51.41	74.00	-22.59	Peak	Horizontal
*	15025.00	44.49	5.83	50.32	88.20	-37.88	Peak	Horizontal
	15694.80	34.56	6.18	40.74	54.00	-13.26	Average	Horizontal
	15694.80	43.25	6.18	49.43	74.00	-24.57	Peak	Horizontal
*	10312.60	44.28	6.17	50.45	88.20	-37.75	Peak	Vertical
	11140.50	43.21	5.52	48.73	54.00	-5.27	Average	Vertical
	11140.50	46.44	5.52	51.96	74.00	-22.04	Peak	Vertical
	12158.80	40.43	5.04	45.47	74.00	-28.53	Peak	Vertical
*	16674.00	46.62	4.38	51.00	88.20	-37.20	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBuV/m can be determined by adding a "conversion" factor of 95.2dB to the Limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)