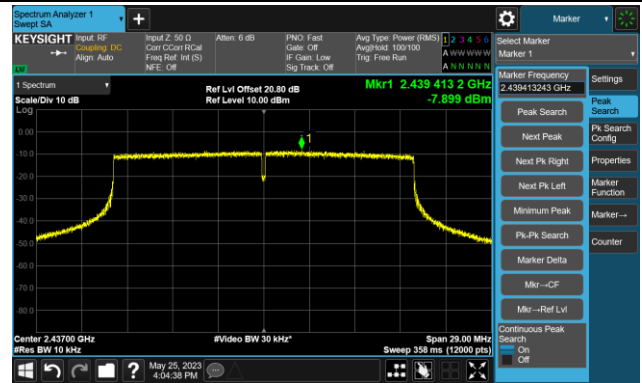


802.11ax-HE20 - PSD – Ant 2

Channel 01 (2412MHz)



Channel 06 (2437MHz)

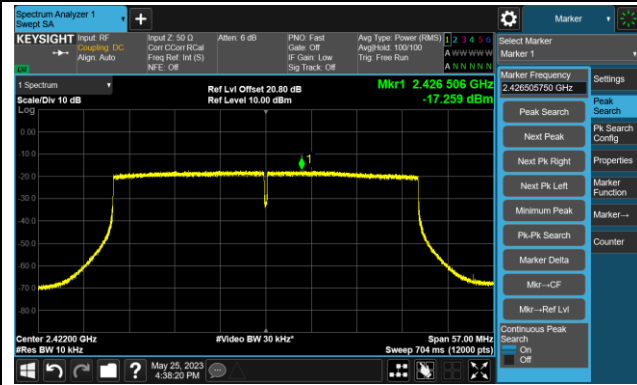


Channel 11 (2462MHz)



802.11ax-HE40 - PSD – Ant 2

Channel 03 (2422MHz)



Channel 06 (2437MHz)

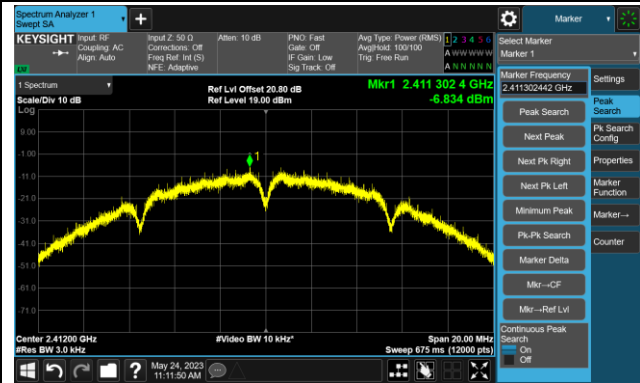


Channel 09 (2452MHz)



802.11b - PSD – Ant 3

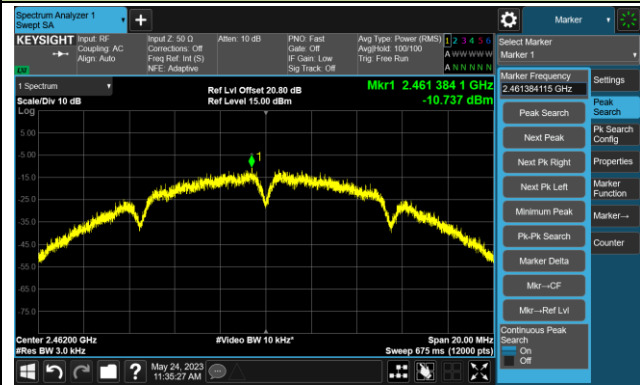
Channel 01 (2412MHz)



Channel 06 (2437MHz)

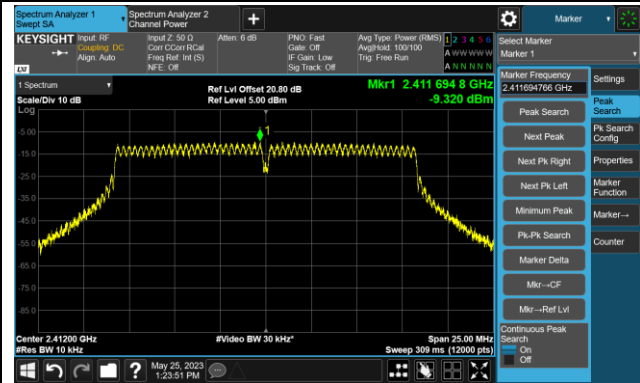


Channel 11 (2462MHz)

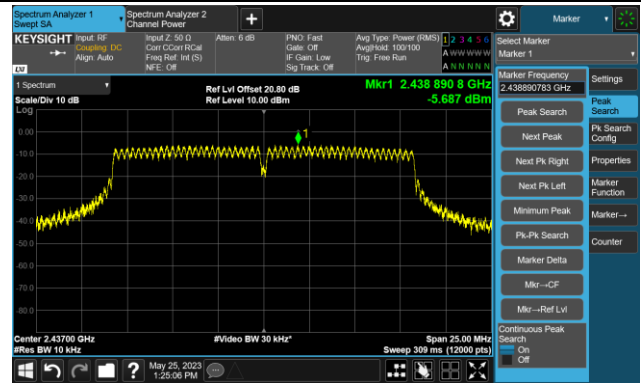


802.11g - PSD – Ant 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)

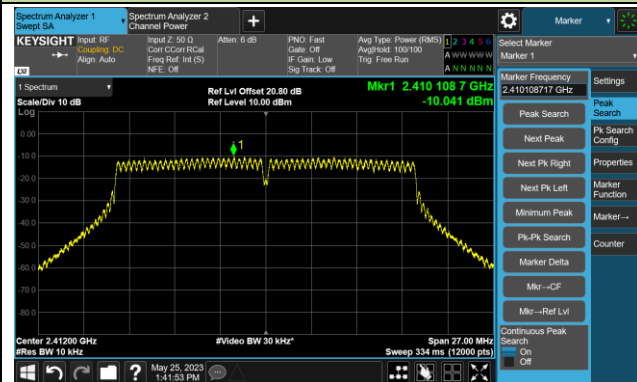


Channel 11 (2462MHz)

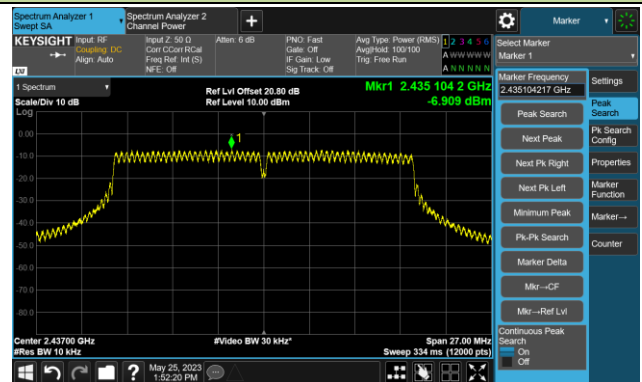


802.11n-HT20 - PSD – Ant 3

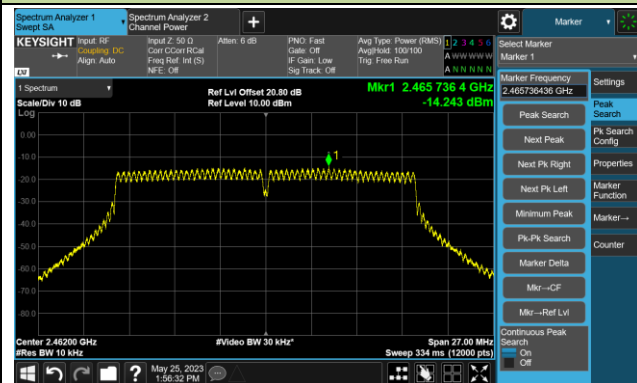
Channel 01 (2412MHz)



Channel 06 (2437MHz)

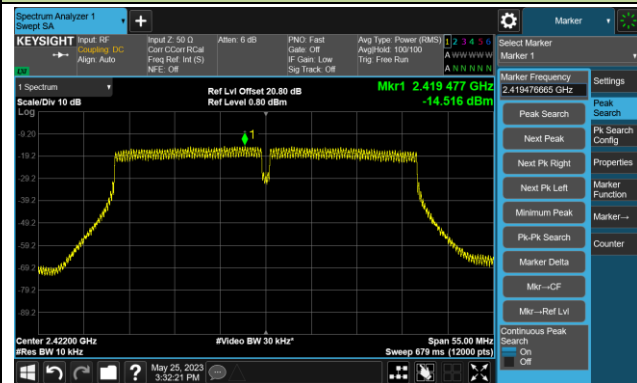


Channel 11 (2462MHz)

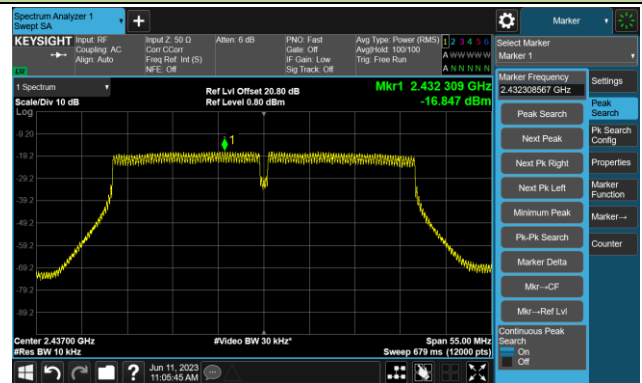


802.11n-HT40 - PSD – Ant 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)

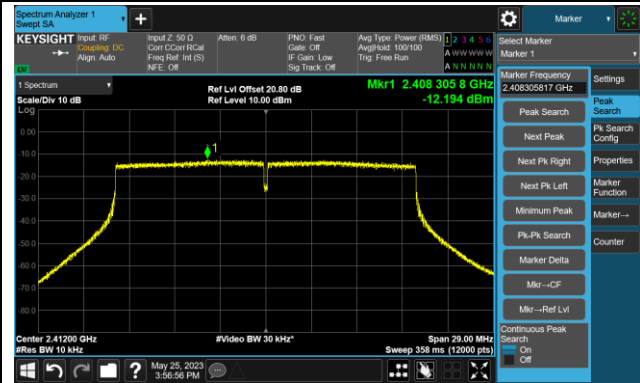


Channel 09 (2452MHz)

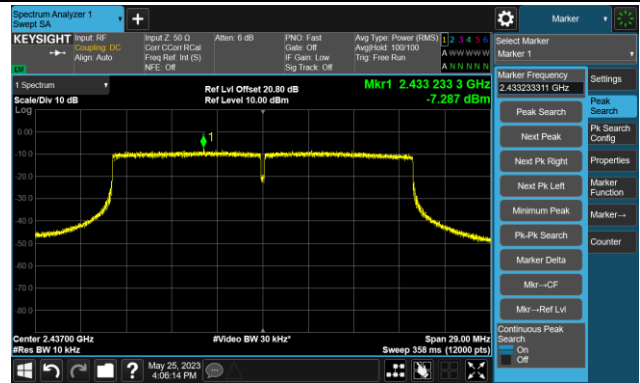


802.11ax-HE20 - PSD – Ant 3

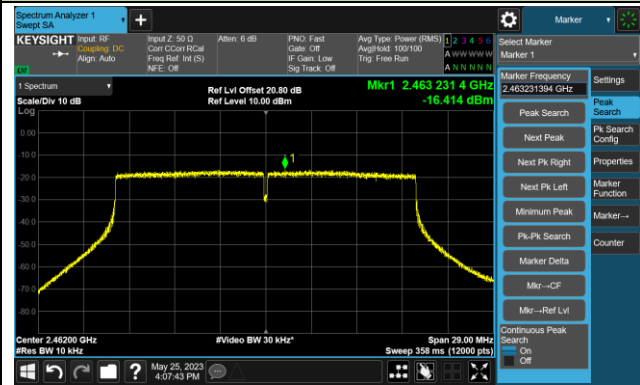
Channel 01 (2412MHz)



Channel 06 (2437MHz)

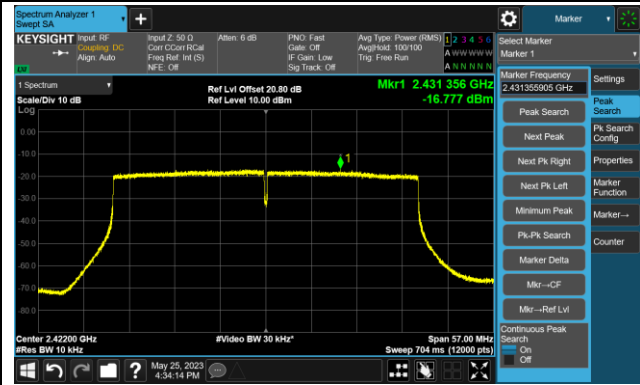


Channel 11 (2462MHz)



802.11ax-HE40 - PSD – Ant 3

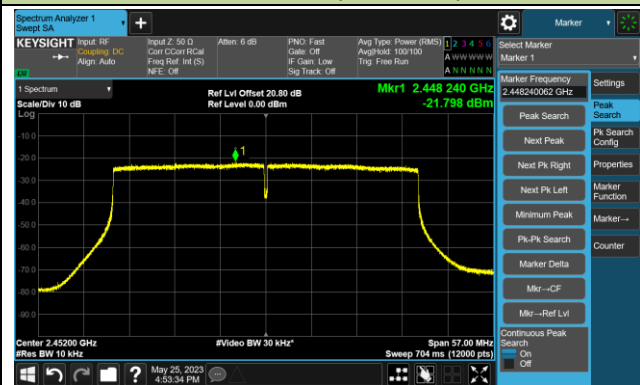
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



Antenna 2#:

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2023-08-28		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/10kHz)				Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
				Ant 0	Ant 1	Ant 2	Ant 3			
11b	1Mbps	01	2412	-13.73	-13.66	-13.92	-14.43	-5.86	≤ -5.52	Pass
11b	1Mbps	06	2437	-14.38	-14.37	-13.40	-13.83	-5.91	≤ -5.52	Pass
11b	1Mbps	11	2462	-14.35	-13.17	-14.29	-13.62	-5.76	≤ -5.52	Pass
11g	6Mbps	01	2412	-13.84	-13.63	-14.17	-13.91	-7.70	≤ -5.52	Pass
11g	6Mbps	06	2437	-13.90	-12.91	-13.57	-13.35	-7.23	≤ -5.52	Pass
11g	6Mbps	11	2462	-17.86	-17.24	-17.74	-16.91	-11.24	≤ -5.52	Pass
11n-HT20	MCS0	01	2412	-16.12	-15.74	-16.16	-15.92	-9.35	≤ -5.52	Pass
11n-HT20	MCS0	06	2437	-15.15	-14.71	-15.01	-15.07	-8.34	≤ -5.52	Pass
11n-HT20	MCS0	11	2462	-17.96	-17.64	-18.66	-17.35	-11.24	≤ -5.52	Pass
11n-HT40	MCS0	03	2422	-19.95	-19.80	-20.44	-20.22	-13.47	≤ -5.52	Pass
11n-HT40	MCS0	06	2437	-22.80	-22.54	-23.10	-22.89	-16.20	≤ -5.52	Pass
11n-HT40	MCS0	09	2452	-24.57	-24.69	-25.05	-24.82	-18.15	≤ -5.52	Pass
11ax-HE20	MCS0	01	2412	-17.43	-16.52	-17.47	-16.16	-10.61	≤ -5.52	Pass
11ax-HE20	MCS0	06	2437	-16.30	-15.74	-16.60	-16.33	-9.99	≤ -5.52	Pass
11ax-HE20	MCS0	11	2462	-21.21	-20.75	-21.56	-21.04	-14.89	≤ -5.52	Pass
11ax-HE40	MCS0	03	2422	-21.22	-20.59	-21.34	-20.89	-14.74	≤ -5.52	Pass
11ax-HE40	MCS0	06	2437	-24.82	-24.49	-24.91	-24.42	-18.39	≤ -5.52	Pass
11ax-HE40	MCS0	09	2452	-25.73	-25.89	-26.17	-26.19	-19.73	≤ -5.52	Pass

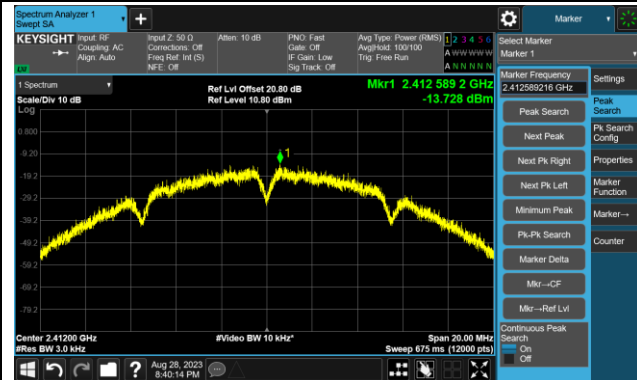
Note 1: When EUT duty cycle < 98%, the total PSD (dBm/10kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/10kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$.

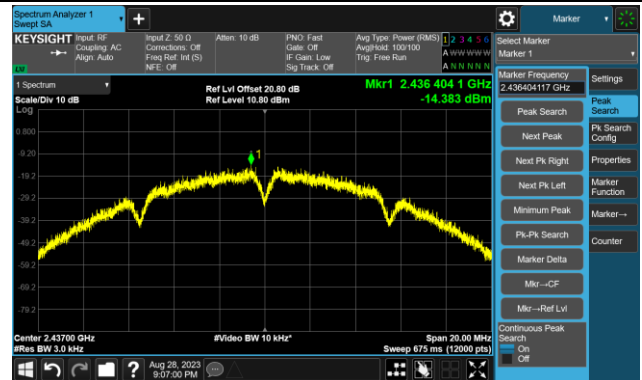
Note 2: Limit (dBm/3kHz) = 8 dBm/3kHz – (Directional Gain for PSD (dBi) – 6 dBi)

802.11b - PSD – Ant 0

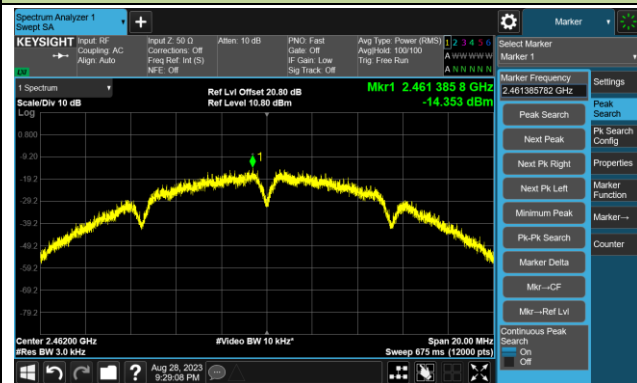
Channel 01 (2412MHz)



Channel 06 (2437MHz)

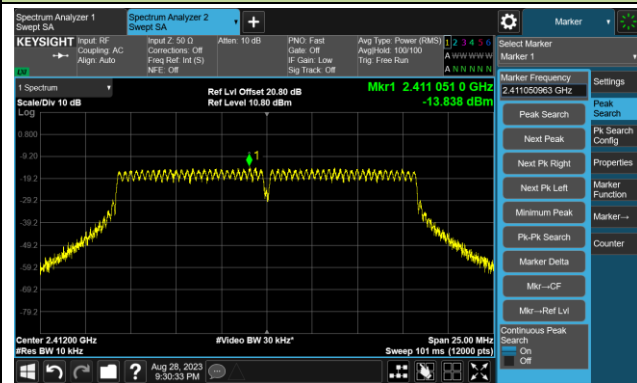


Channel 11 (2462MHz)

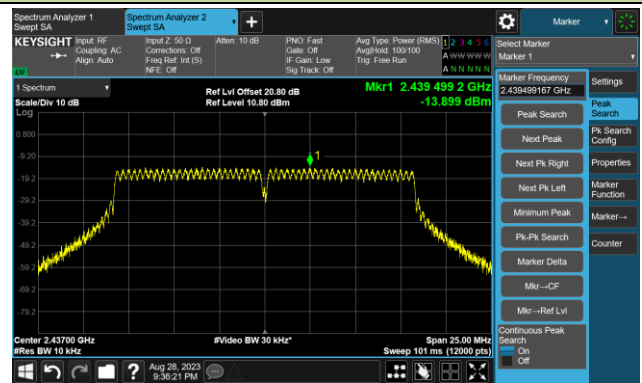


802.11g - PSD – Ant 0

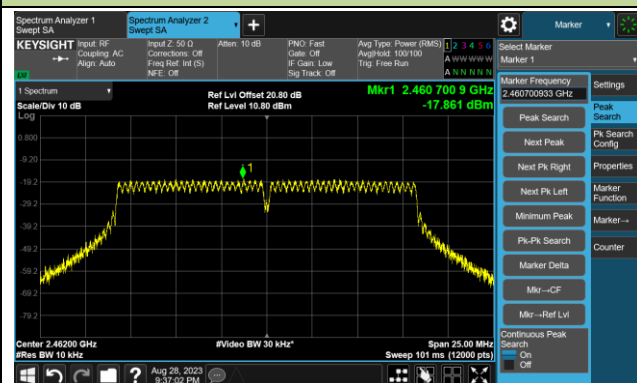
Channel 01 (2412MHz)



Channel 06 (2437MHz)

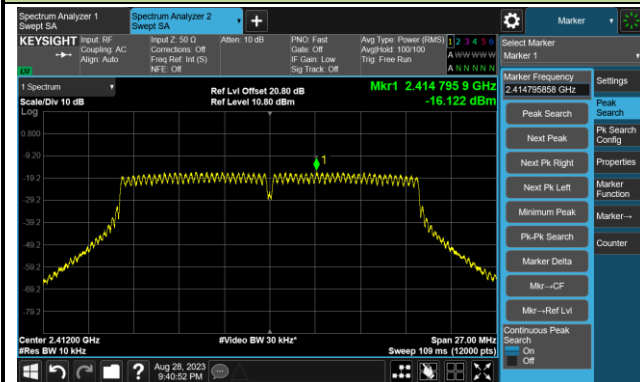


Channel 11 (2462MHz)

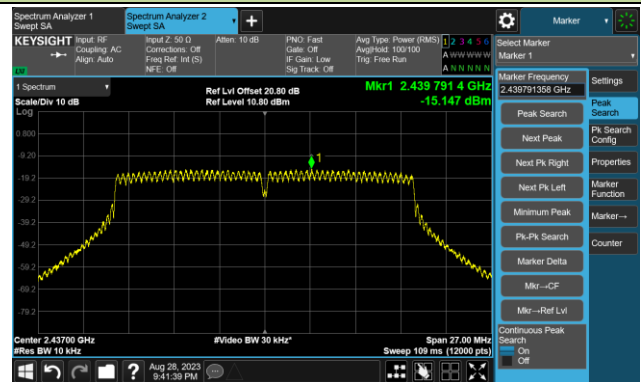


802.11n-HT20 - PSD – Ant 0

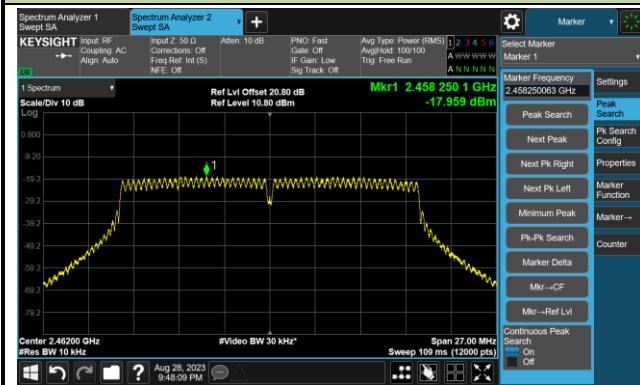
Channel 01 (2412MHz)



Channel 06 (2437MHz)

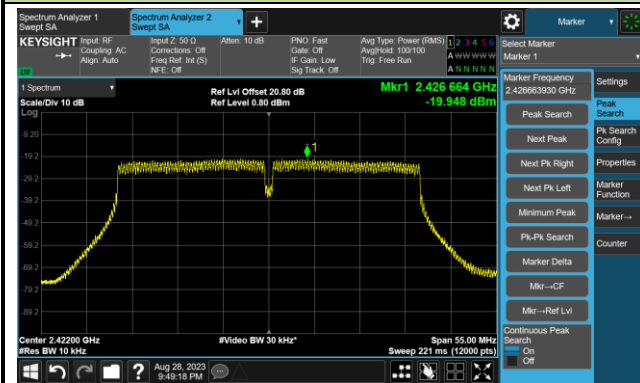


Channel 11 (2462MHz)

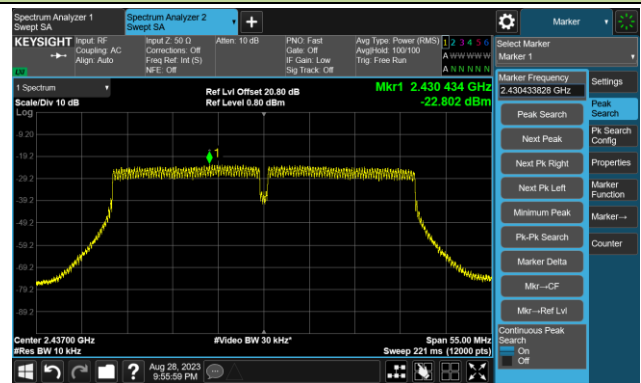


802.11n-HT40 - PSD – Ant 0

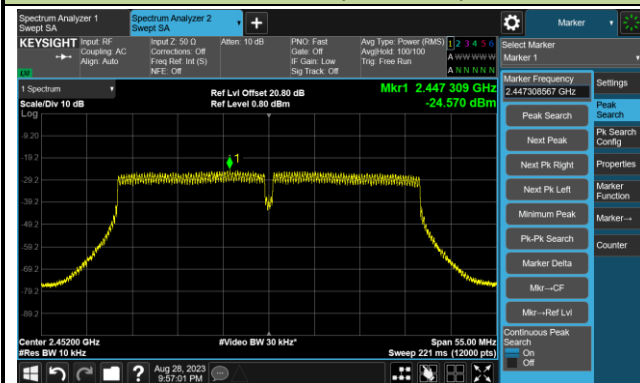
Channel 03 (2422MHz)



Channel 06 (2437MHz)

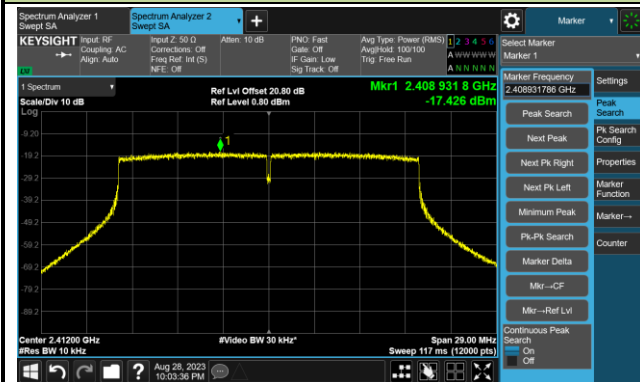


Channel 09 (2452MHz)

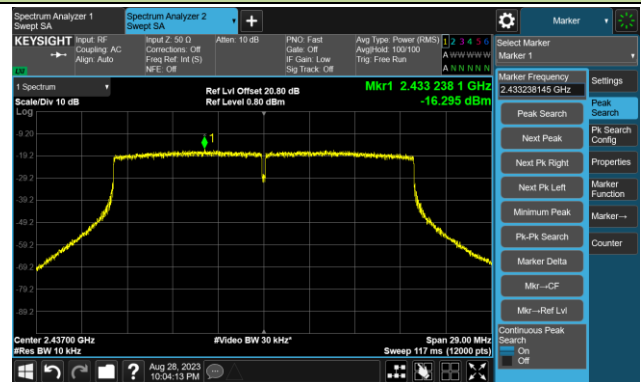


802.11ax-HE20 - PSD – Ant 0

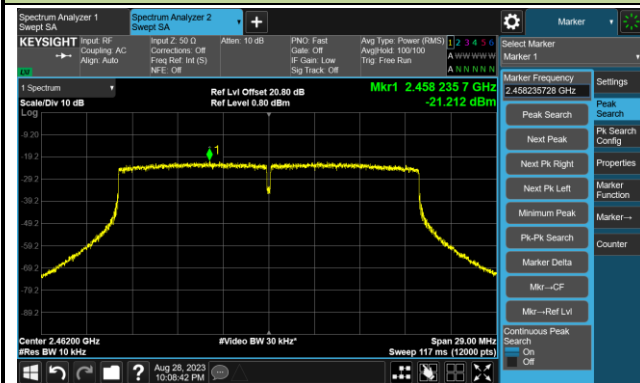
Channel 01 (2412MHz)



Channel 06 (2437MHz)

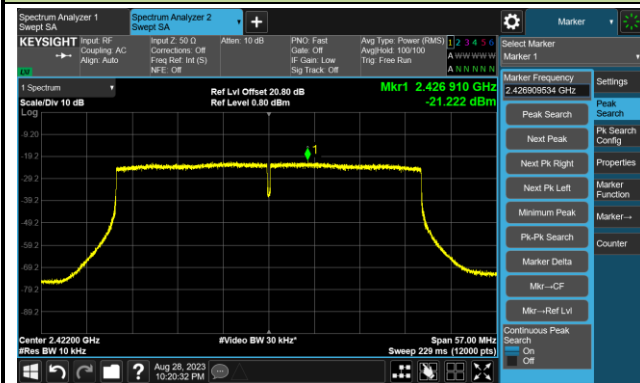


Channel 11 (2462MHz)

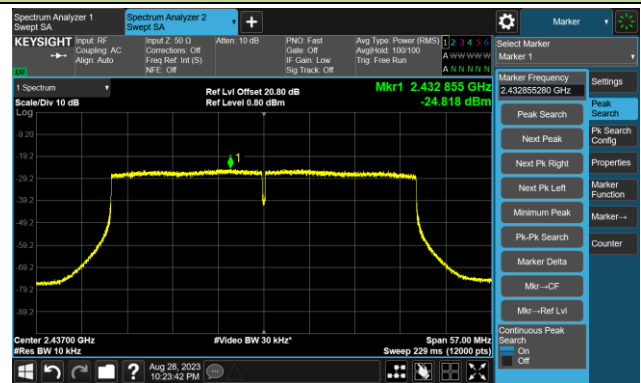


802.11ax-HE40 - PSD – Ant 0

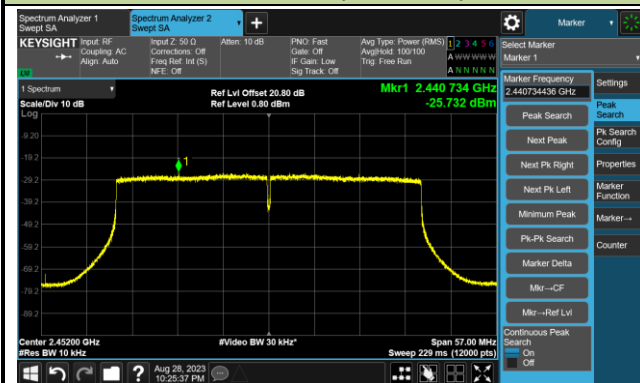
Channel 03 (2422MHz)



Channel 06 (2437MHz)

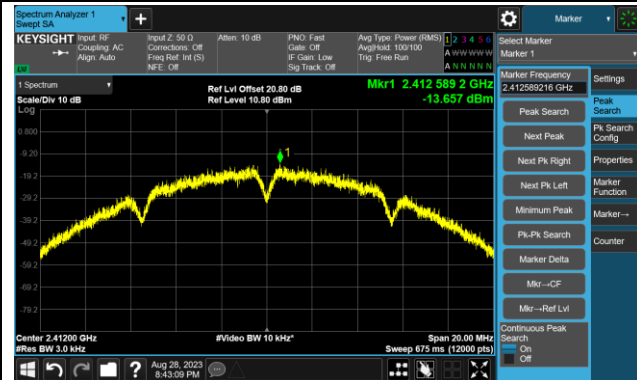


Channel 09 (2452MHz)

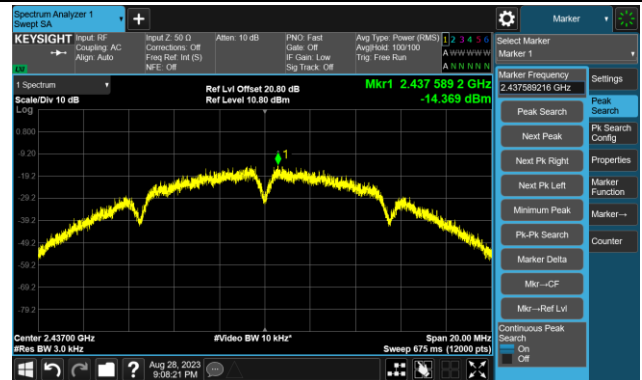


802.11b - PSD – Ant 1

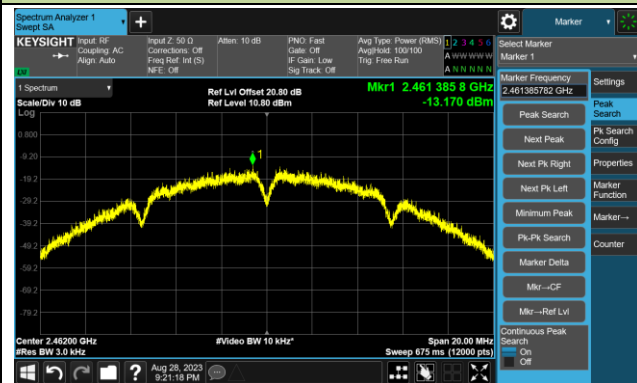
Channel 01 (2412MHz)



Channel 06 (2437MHz)

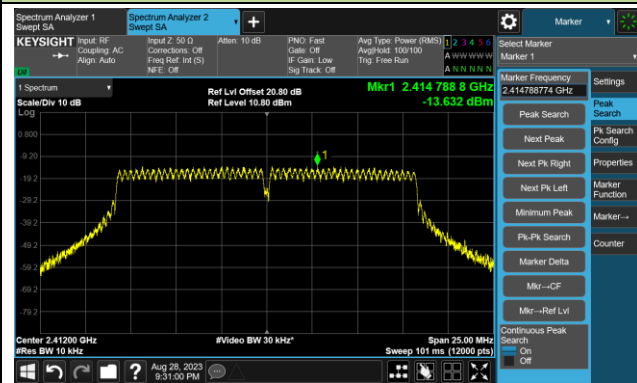


Channel 11 (2462MHz)

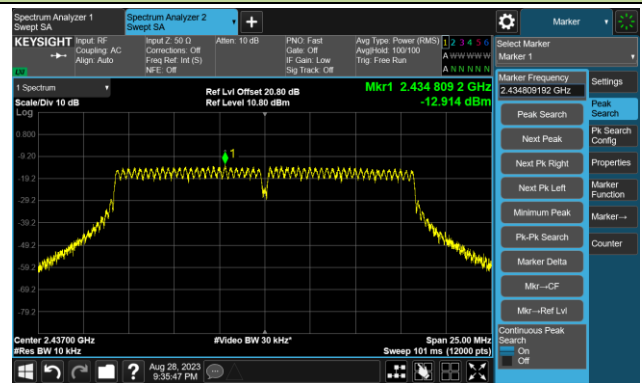


802.11g - PSD – Ant 1

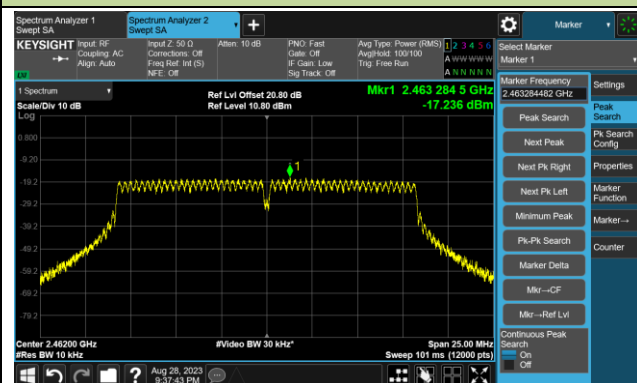
Channel 01 (2412MHz)



Channel 06 (2437MHz)

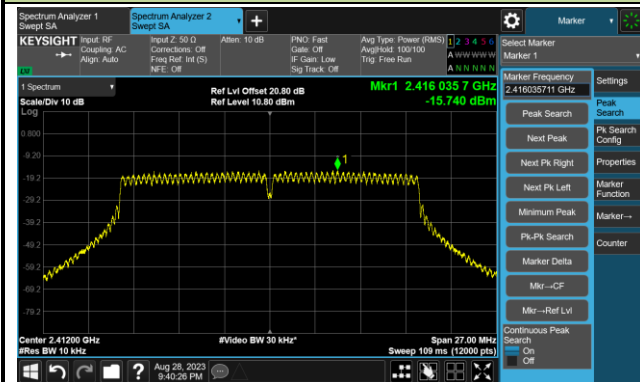


Channel 11 (2462MHz)

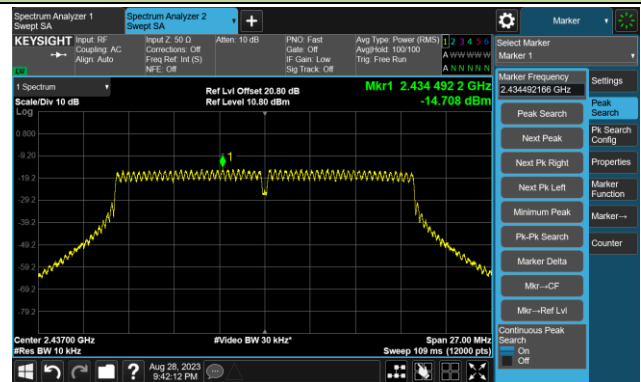


802.11n-HT20 - PSD – Ant 1

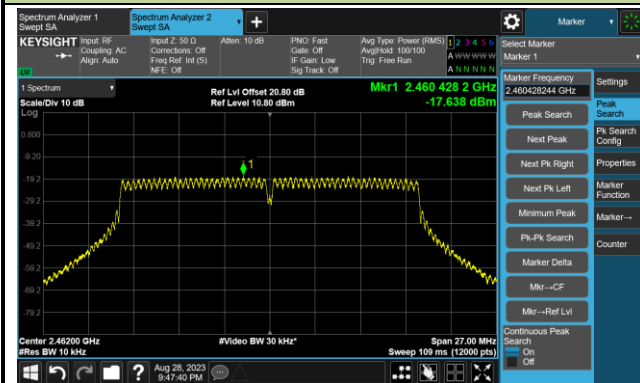
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

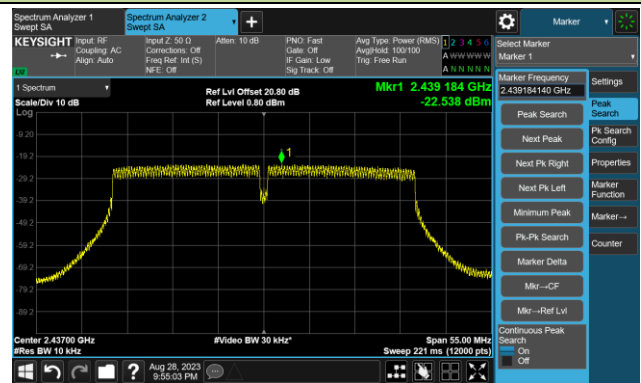


802.11n-HT40 - PSD – Ant 1

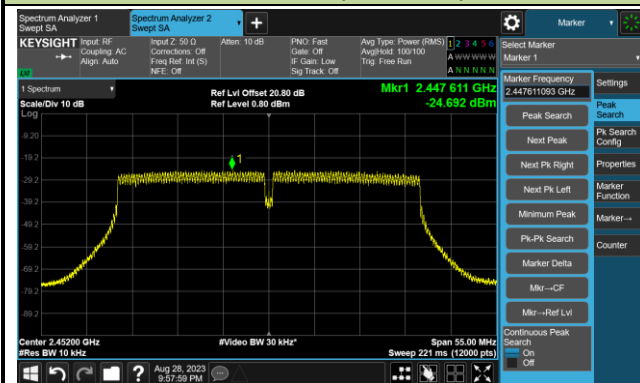
Channel 03 (2422MHz)



Channel 06 (2437MHz)

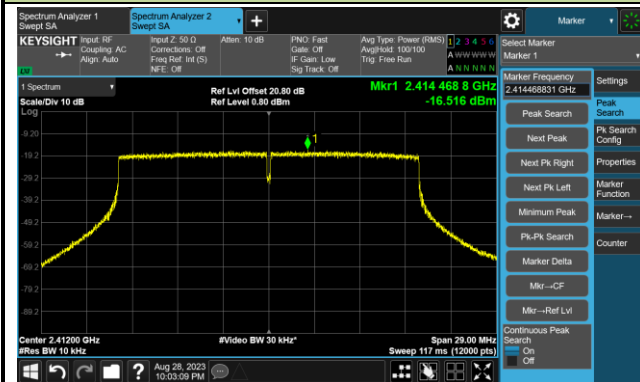


Channel 09 (2452MHz)

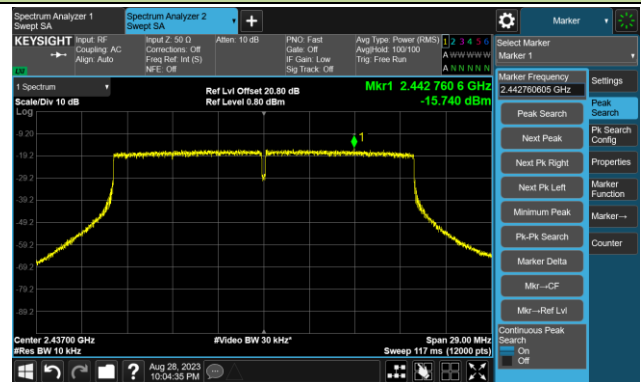


802.11ax-HE20 - PSD – Ant 1

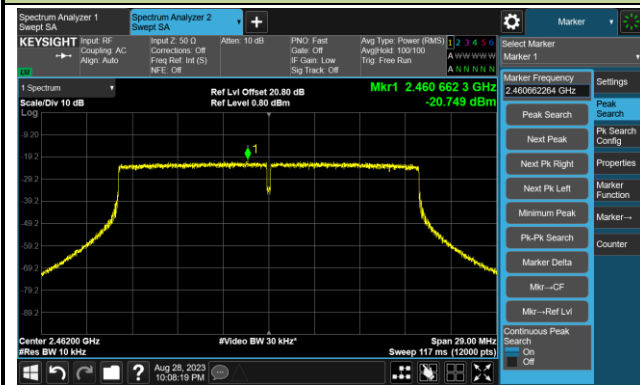
Channel 01 (2412MHz)



Channel 06 (2437MHz)

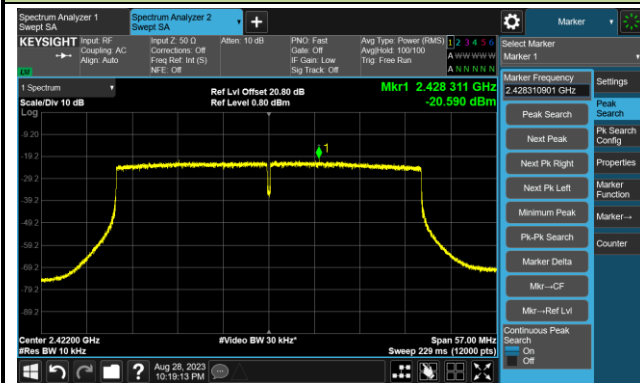


Channel 11 (2462MHz)

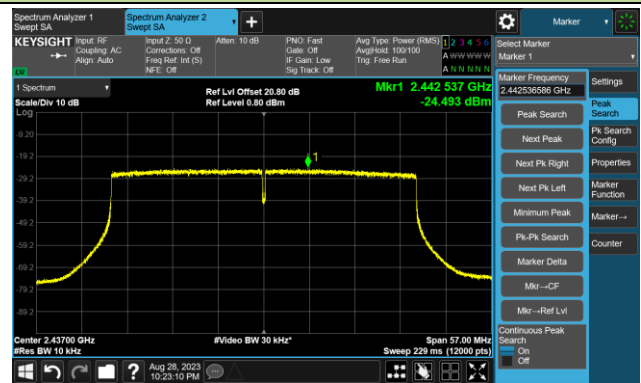


802.11ax-HE40 - PSD – Ant 1

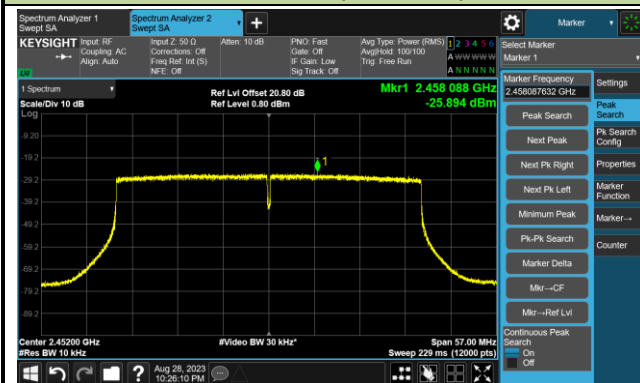
Channel 03 (2422MHz)



Channel 06 (2437MHz)

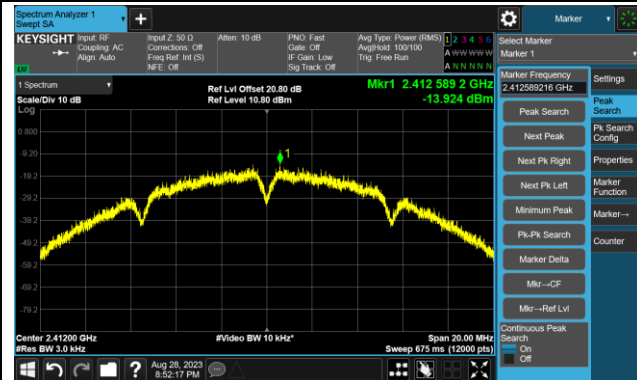


Channel 09 (2452MHz)

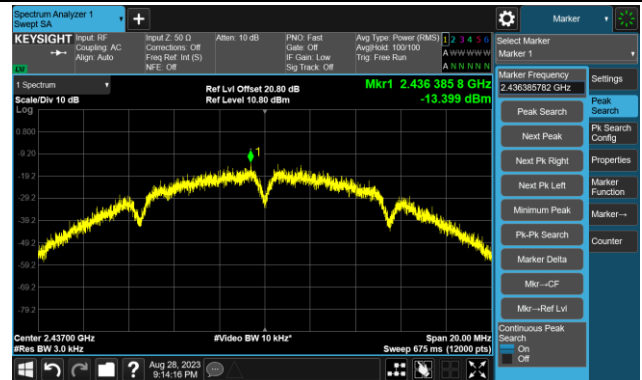


802.11b - PSD – Ant 2

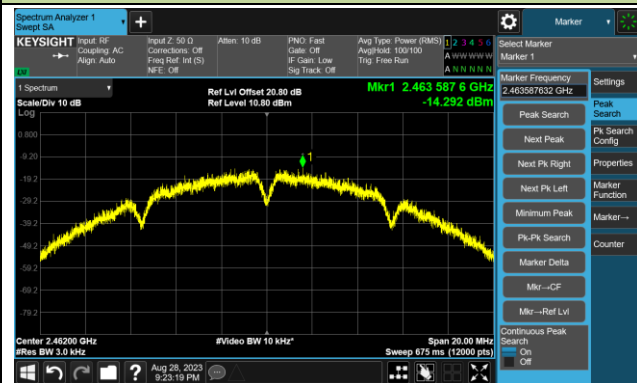
Channel 01 (2412MHz)



Channel 06 (2437MHz)

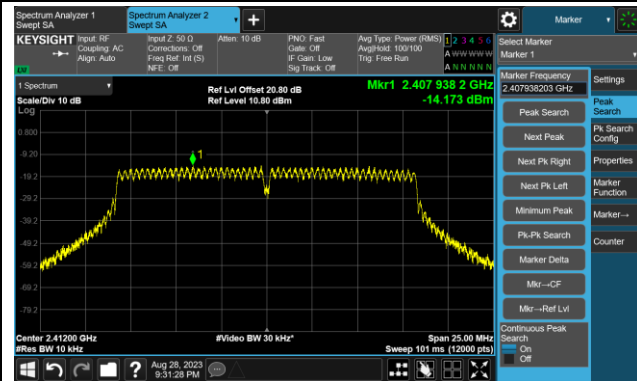


Channel 11 (2462MHz)

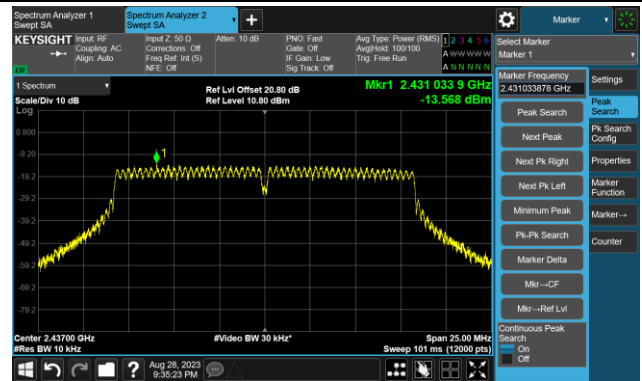


802.11g - PSD – Ant 2

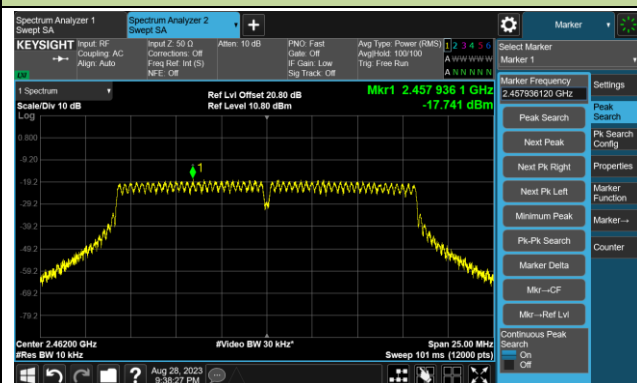
Channel 01 (2412MHz)



Channel 06 (2437MHz)

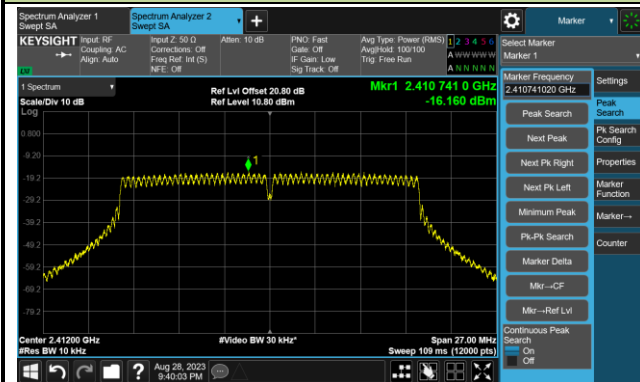


Channel 11 (2462MHz)

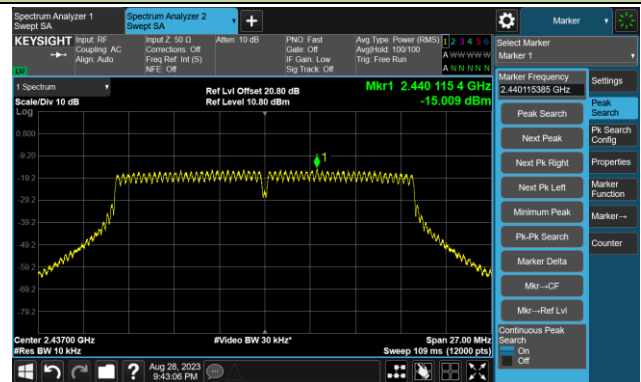


802.11n-HT20 - PSD – Ant 2

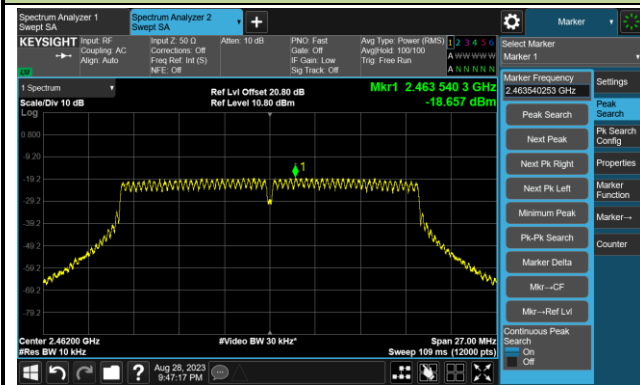
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

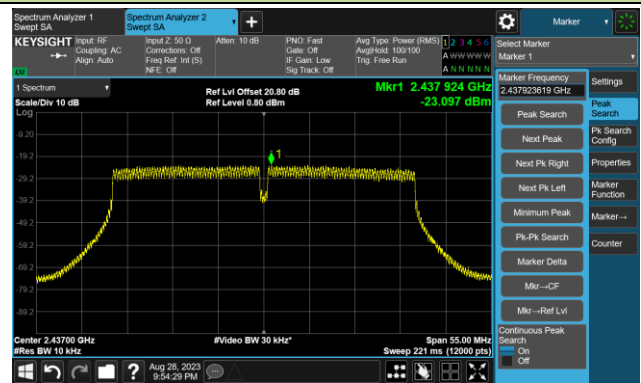


802.11n-HT40 - PSD – Ant 2

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

