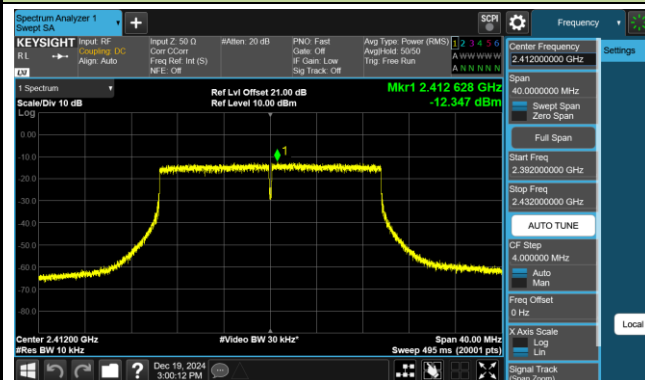
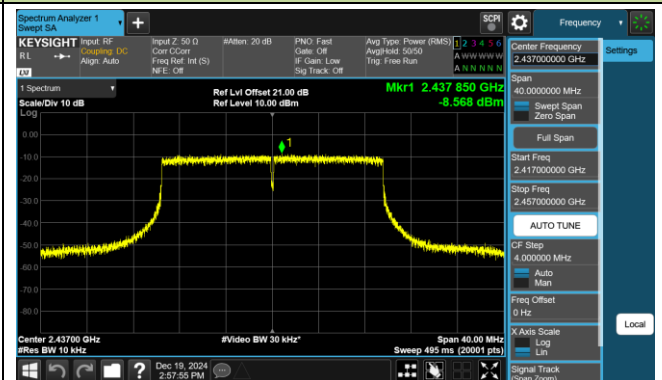


802.11ax-HE20 AVGPSPD - Ant 1

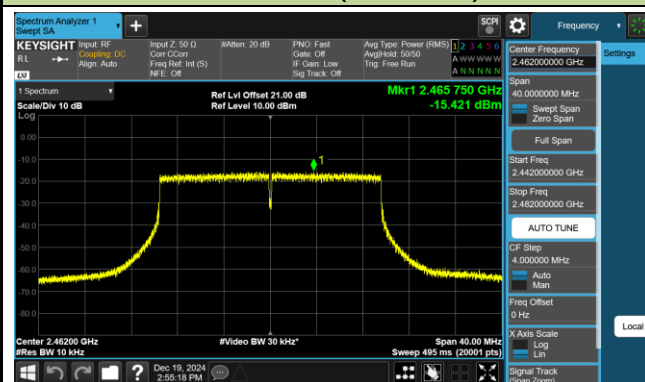
Channel 01 (2412MHz)



Channel 06 (2437MHz)

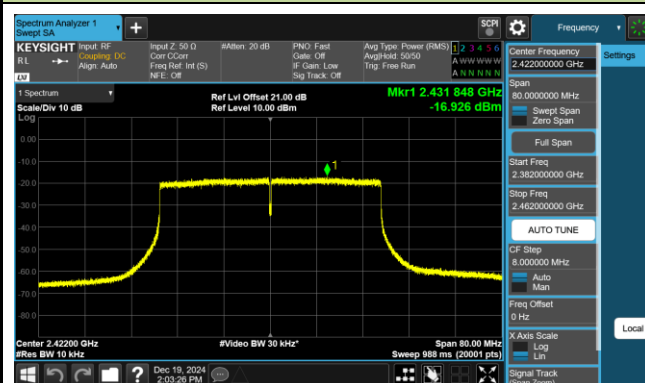


Channel 11 (2462MHz)

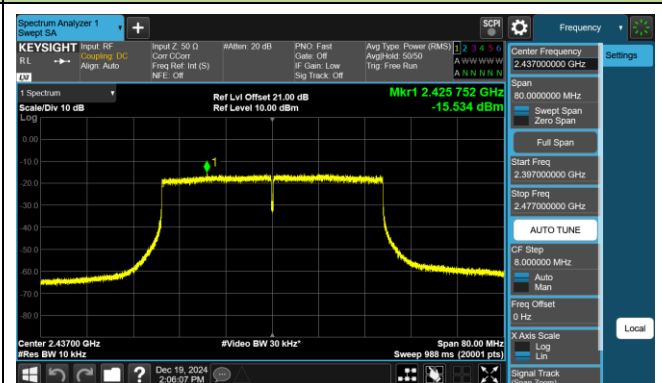


802.11ax-HE40 AVGPSPD - Ant 1

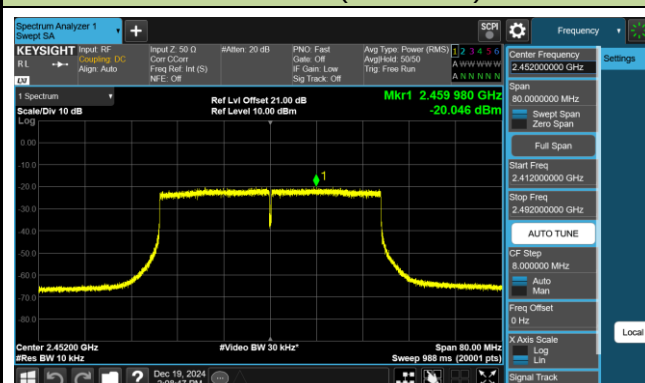
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



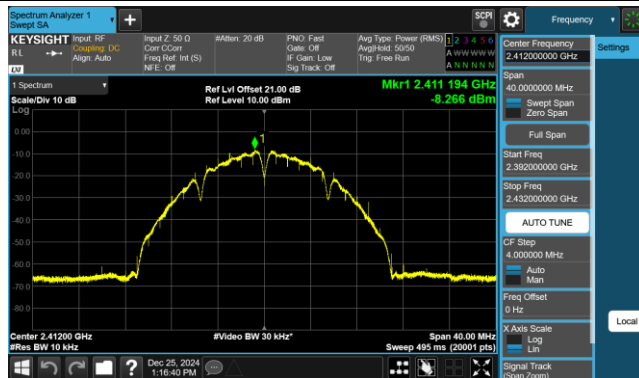
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/10kHz)	Ant 1 PSD (dBm/10kHz)	Duty Cycle (%)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
Wi-Fi Antenna_High Gain									
802.11b	1Mbps	01	2412	-8.266	-8.255	95.35%	-5.043	≤ 6.00	Pass
802.11b	1Mbps	06	2437	-4.035	-0.072	95.35%	1.601	≤ 6.00	Pass
802.11b	1Mbps	11	2462	-3.016	-4.098	95.35%	-0.306	≤ 6.00	Pass
802.11g	6Mbps	01	2412	-9.951	-10.225	85.10%	-6.375	≤ 6.00	Pass
802.11g	6Mbps	06	2437	-6.063	-6.507	85.10%	-2.568	≤ 6.00	Pass
802.11g	6Mbps	11	2462	-10.186	-10.875	85.10%	-6.806	≤ 6.00	Pass
802.11n-HT20	MCS0	01	2412	-10.858	-10.812	97.38%	-7.709	≤ 6.00	Pass
802.11n-HT20	MCS0	06	2437	-6.619	-5.754	97.38%	-3.039	≤ 6.00	Pass
802.11n-HT20	MCS0	11	2462	-11.508	-12.502	97.38%	-8.851	≤ 6.00	Pass
802.11n-HT40	MCS0	03	2422	-15.928	-16.014	92.46%	-12.620	≤ 6.00	Pass
802.11n-HT40	MCS0	06	2437	-14.179	-14.744	92.46%	-11.102	≤ 6.00	Pass
802.11n-HT40	MCS0	09	2452	-17.327	-17.839	92.46%	-14.225	≤ 6.00	Pass
802.11ax-HE20	MCS0	01	2412	-12.896	-12.767	96.70%	-9.675	≤ 6.00	Pass
802.11ax-HE20	MCS0	06	2437	-8.602	-8.912	96.70%	-5.598	≤ 6.00	Pass
802.11ax-HE20	MCS0	11	2462	-13.569	-14.624	96.70%	-10.909	≤ 6.00	Pass
802.11ax-HE40	MCS0	03	2422	-17.138	-17.189	94.69%	-13.916	≤ 6.00	Pass
802.11ax-HE40	MCS0	06	2437	-14.976	-16.304	94.69%	-12.342	≤ 6.00	Pass
802.11ax-HE40	MCS0	09	2452	-18.726	-19.231	94.69%	-15.724	≤ 6.00	Pass

Note 1: Total AVGPSPD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\} + 10 \cdot \log(1/\text{Duty Cycle})$.

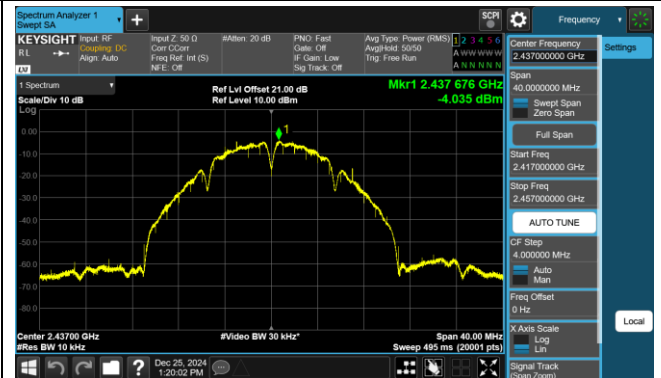
Note 2: PSD limit = $8.00 - (8.00 - 6) = 6.00(\text{dBm}/3\text{kHz})$.

802.11b AVGPSPD - Ant 0

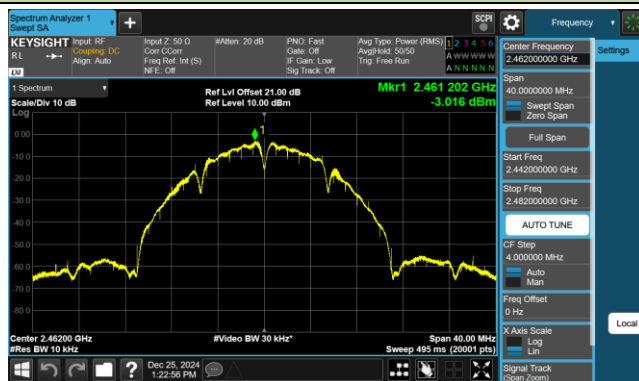
Channel 01 (2412MHz)



Channel 06 (2437MHz)

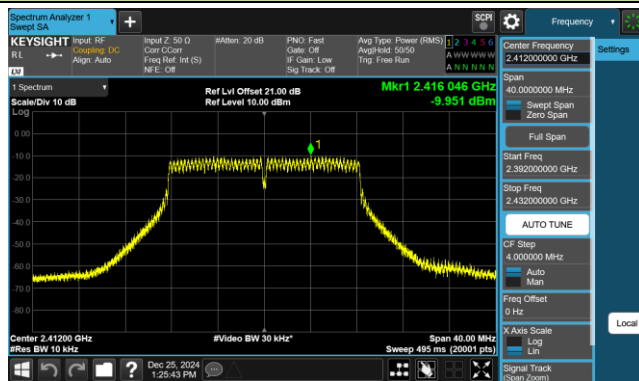


Channel 11 (2462MHz)

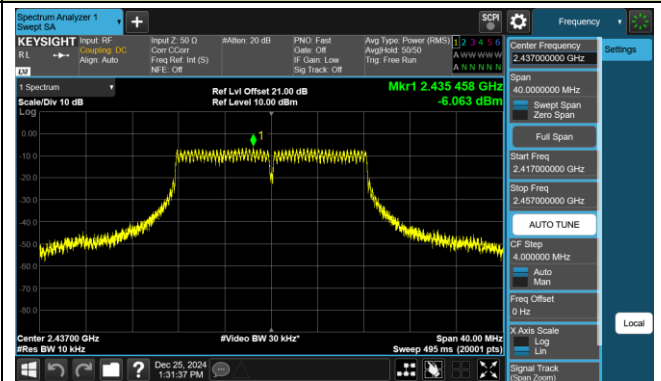


802.11g AVGPSPD - Ant 0

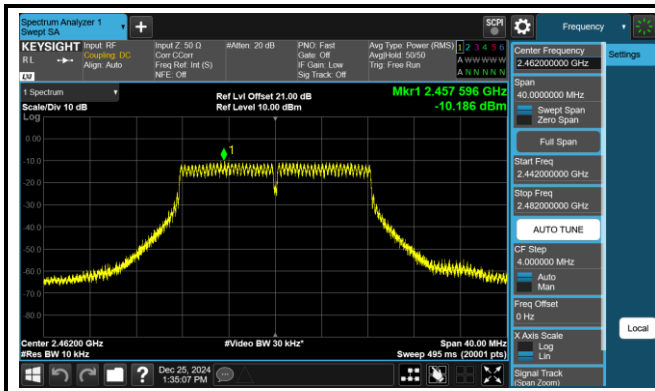
Channel 01 (2412MHz)



Channel 06 (2437MHz)

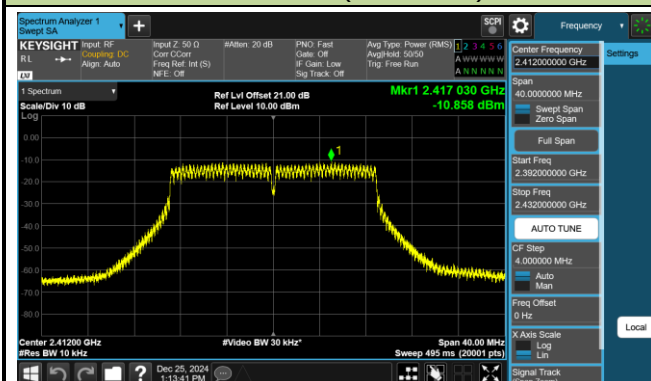


Channel 11 (2462MHz)

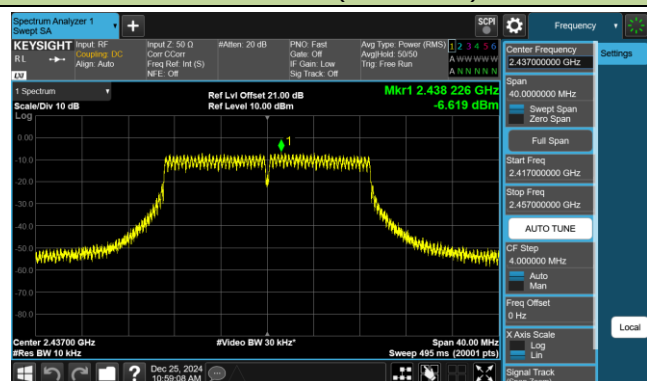


802.11n-HT20 AVGPSPD - Ant 0

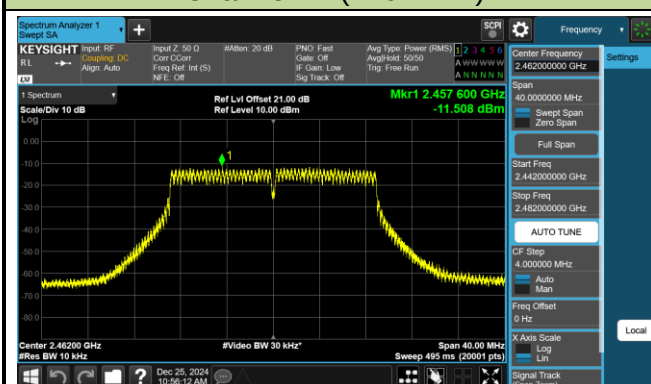
Channel 01 (2412MHz)



Channel 06 (2437MHz)

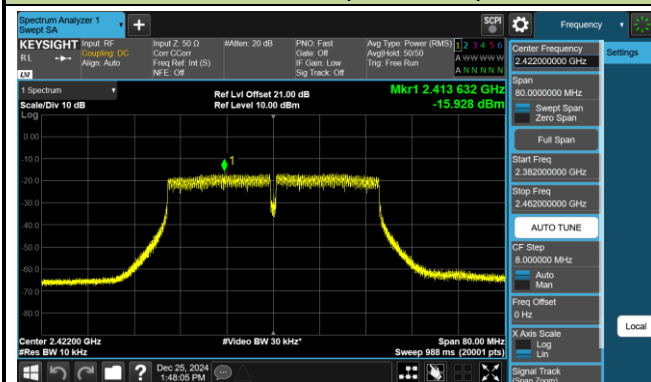


Channel 11 (2462MHz)

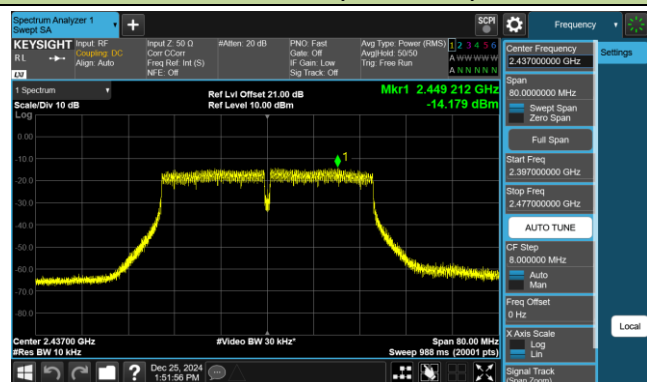


802.11n-HT40 AVGPSPD - Ant 0

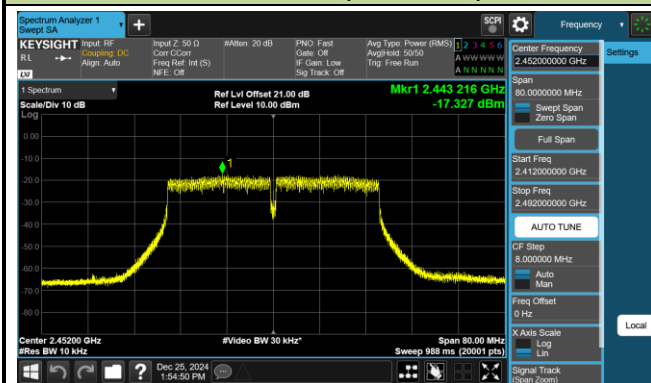
Channel 03 (2422MHz)



Channel 06 (2437MHz)

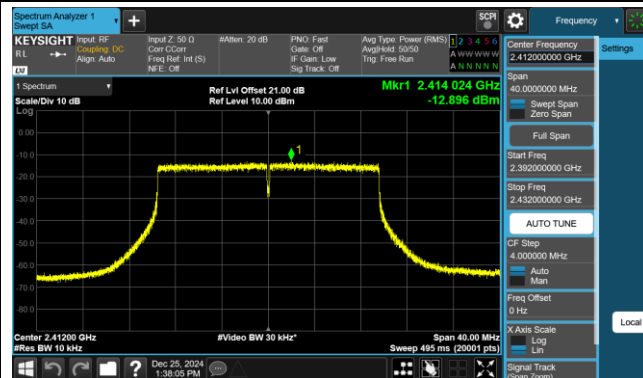


Channel 09 (2452MHz)

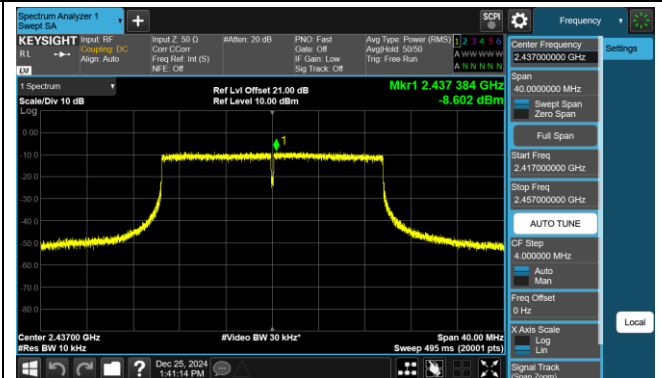


802.11ax-HE20 AVGPSPD - Ant 0

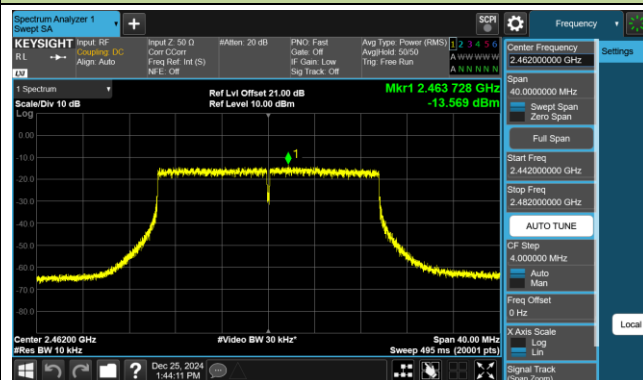
Channel 01 (2412MHz)



Channel 06 (2437MHz)

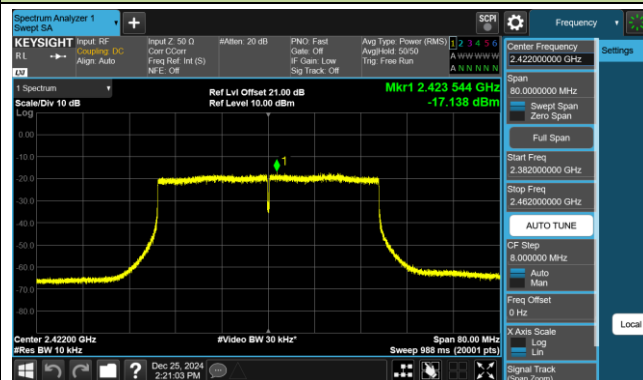


Channel 11 (2462MHz)

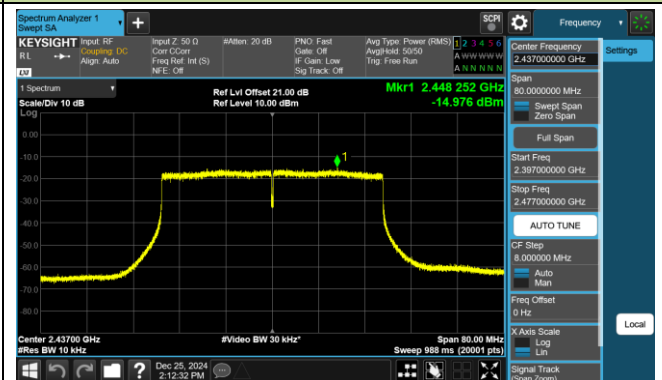


802.11ax-HE40 AVGPSPD - Ant 0

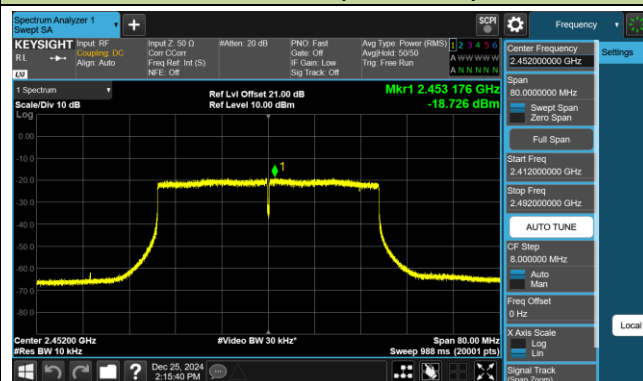
Channel 03 (2422MHz)



Channel 06 (2437MHz)

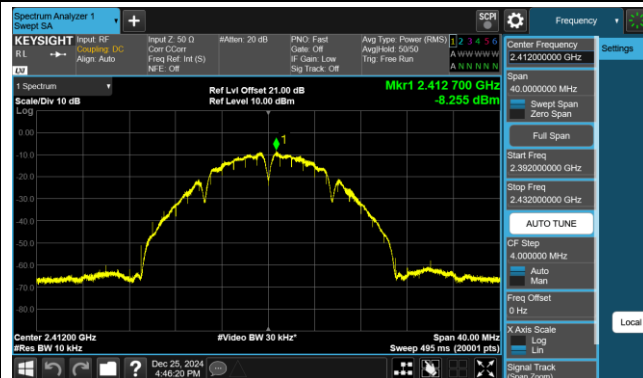


Channel 09 (2452MHz)



802.11b AVGPSPD - Ant 1

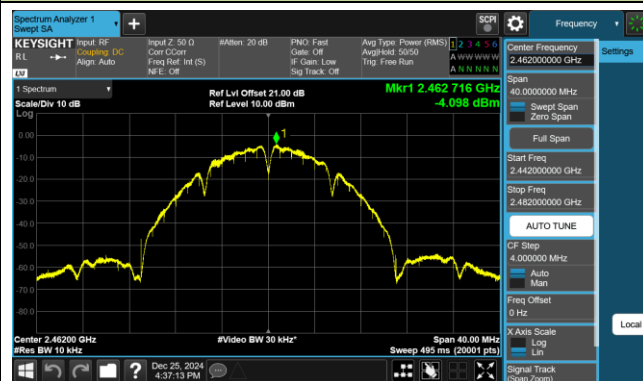
Channel 01 (2412MHz)



Channel 06 (2437MHz)

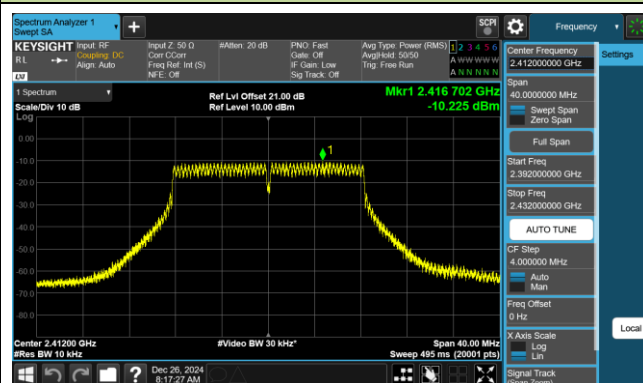


Channel 11 (2462MHz)

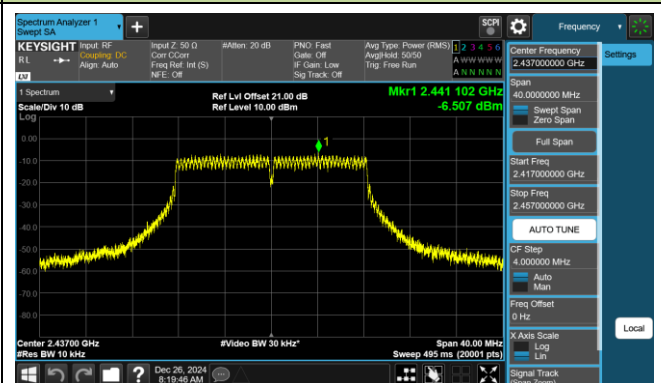


802.11g AVGPSPD - Ant 1

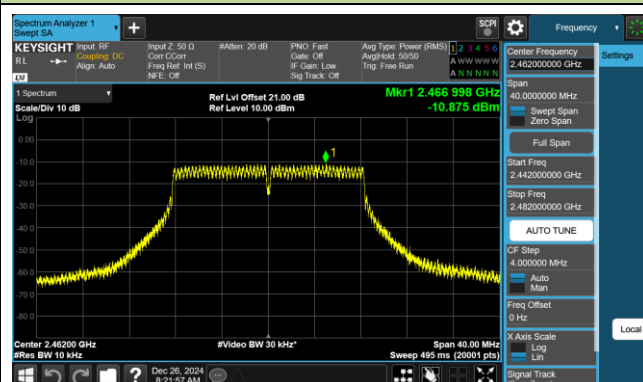
Channel 01 (2412MHz)



Channel 06 (2437MHz)

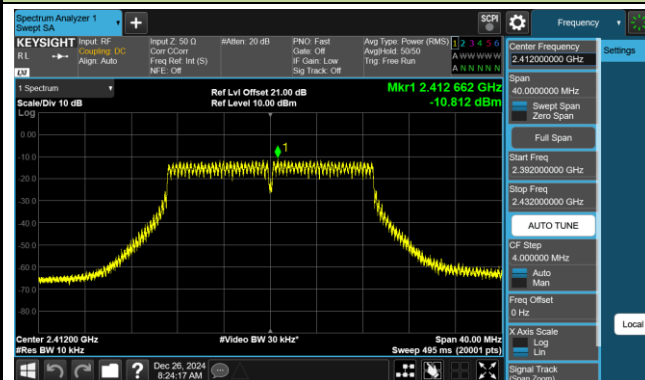


Channel 11 (2462MHz)

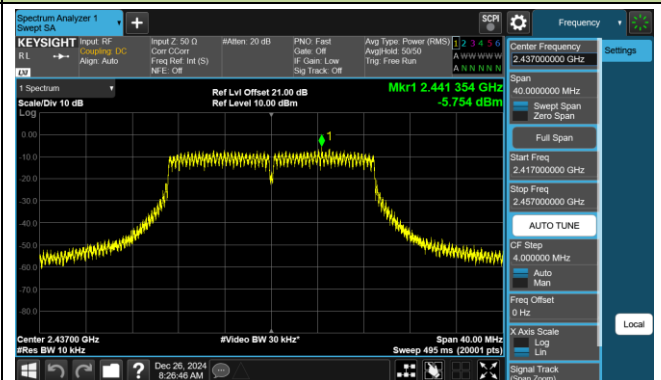


802.11n-HT20 AVGPSD - Ant 1

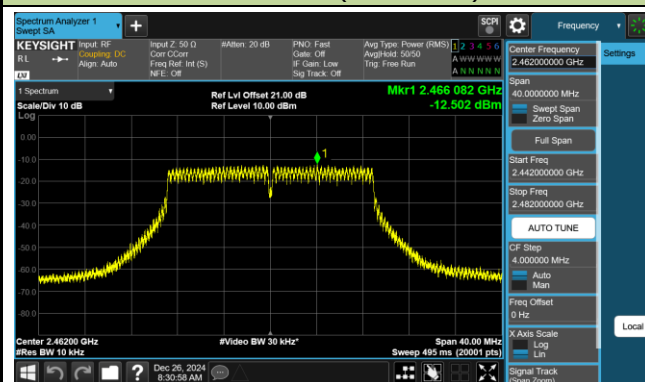
Channel 01 (2412MHz)



Channel 06 (2437MHz)

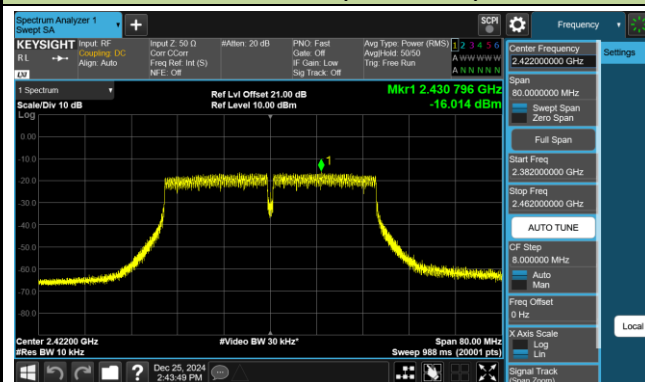


Channel 11 (2462MHz)

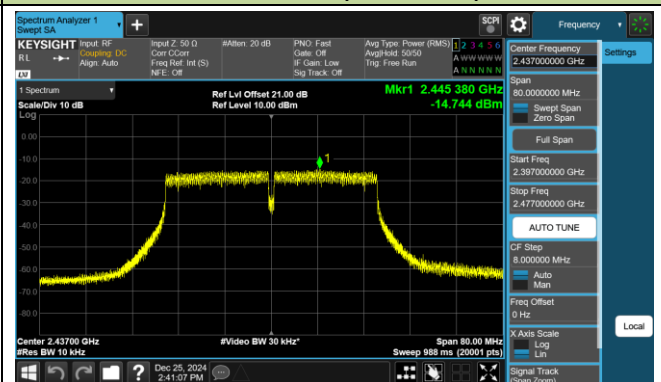


802.11n-HT40 AVGPSD - Ant 1

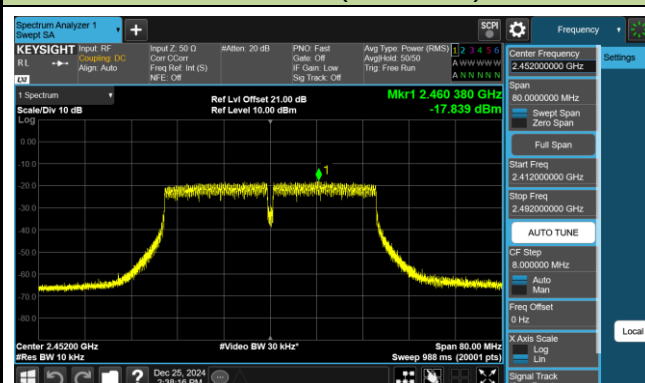
Channel 03 (2422MHz)



Channel 06 (2437MHz)

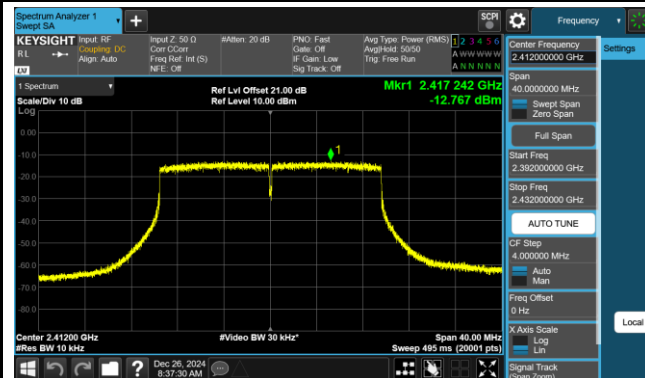


Channel 09 (2452MHz)

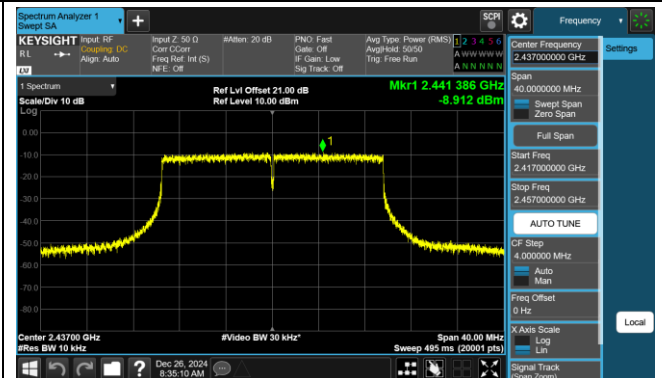


802.11ax-HE20 AVGPSPD - Ant 1

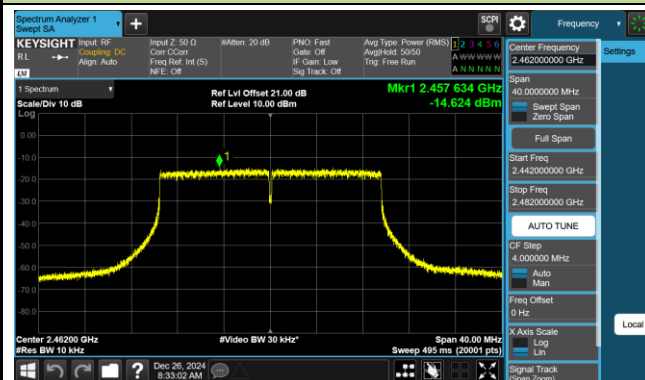
Channel 01 (2412MHz)



Channel 06 (2437MHz)

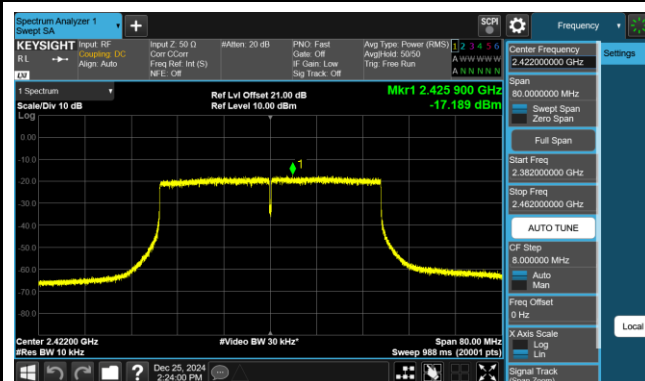


Channel 11 (2462MHz)

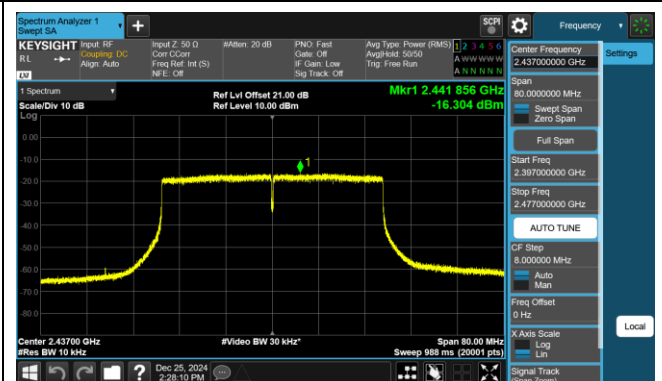


802.11ax-HE40 AVGPSPD - Ant 1

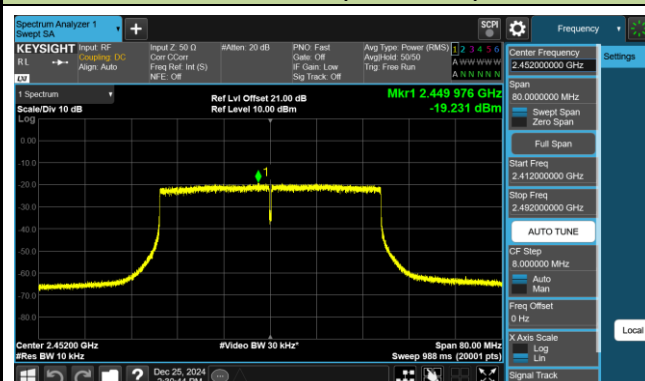
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.11

7.5.3. Test Setting

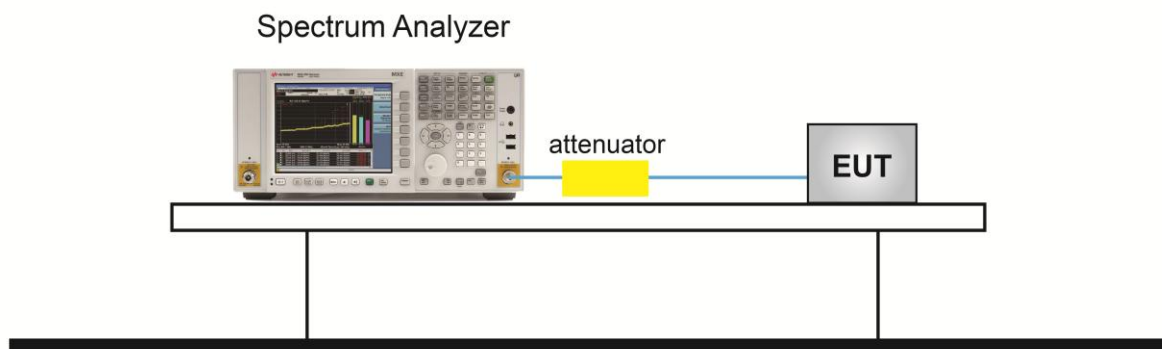
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5. Test Result

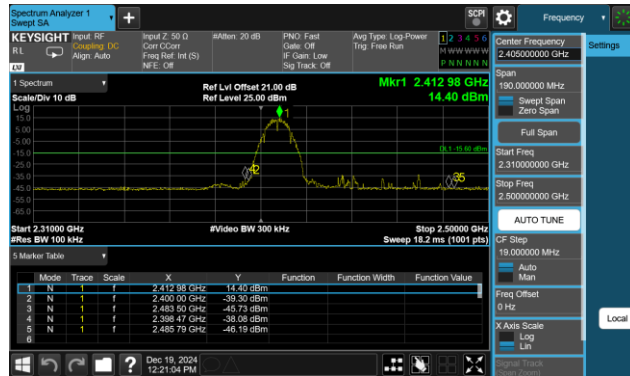
Product	AX3000 Indoor/Outdoor WiFi 6 Access Point	Temperature	20°C
Test Engineer	Peter	Relative Humidity	52%
Test Site	SR6	Test Date	2024/12/19

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.11b	1Mbps	01	2412	30	Pass
802.11b	1Mbps	06	2437	30	Pass
802.11b	1Mbps	11	2462	30	Pass
802.11g	6Mbps	01	2412	30	Pass
802.11g	6Mbps	06	2437	30	Pass
802.11g	6Mbps	11	2462	30	Pass
802.11n-HT20	MCS0	01	2412	30	Pass
802.11n-HT20	MCS0	06	2437	30	Pass
802.11n-HT20	MCS0	11	2462	30	Pass
802.11n-HT40	MCS0	03	2422	30	Pass
802.11n-HT40	MCS0	06	2437	30	Pass
802.11n-HT40	MCS0	09	2452	30	Pass
802.11ax-HE20	MCS0	01	2412	30	Pass
802.11ax-HE20	MCS0	06	2437	30	Pass
802.11ax-HE20	MCS0	11	2462	30	Pass
802.11ax-HE40	MCS0	03	2422	30	Pass
802.11ax-HE40	MCS0	06	2437	30	Pass
802.11ax-HE40	MCS0	09	2452	30	Pass

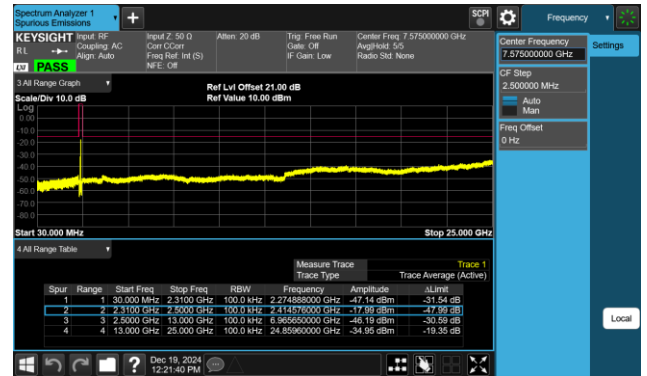
Wi-Fi Antenna_Low Gain

Ant 0

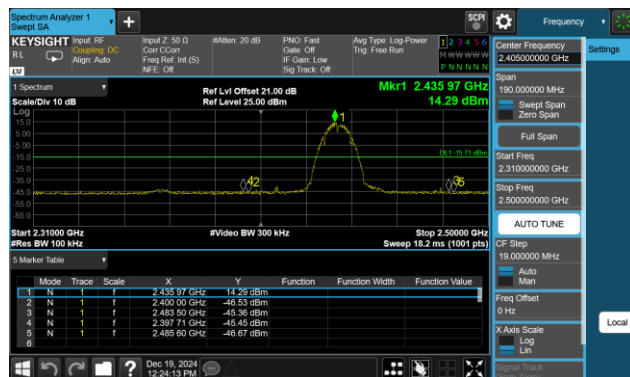
802.11 b CH01 (2412MHz)



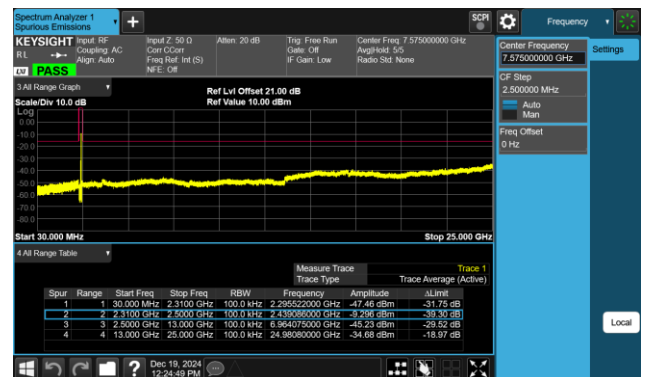
802.11 b CH01 (2412MHz)



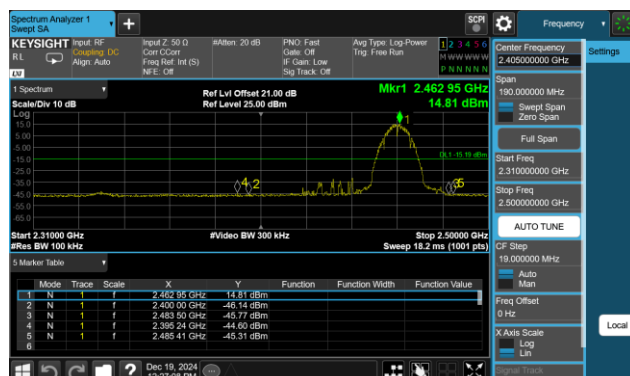
802.11 b CH06 (2437MHz)



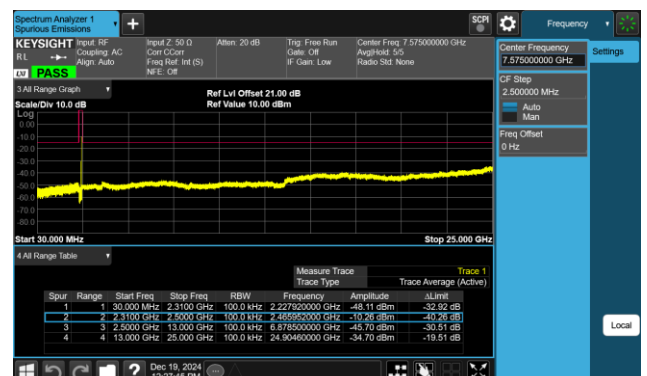
802.11 b CH06 (2437MHz)



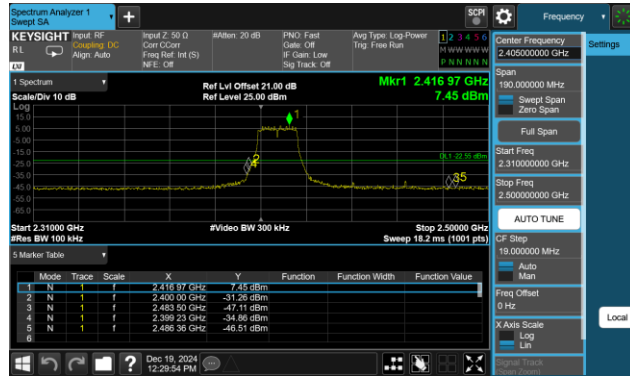
802.11 b CH11 (2462MHz)



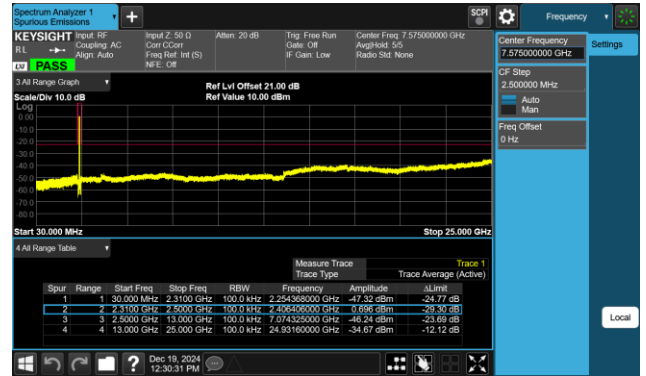
802.11 b CH11 (2462MHz)



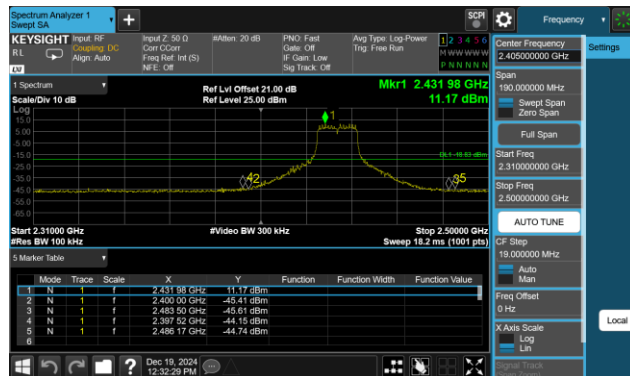
802.11 g CH01 (2412MHz)



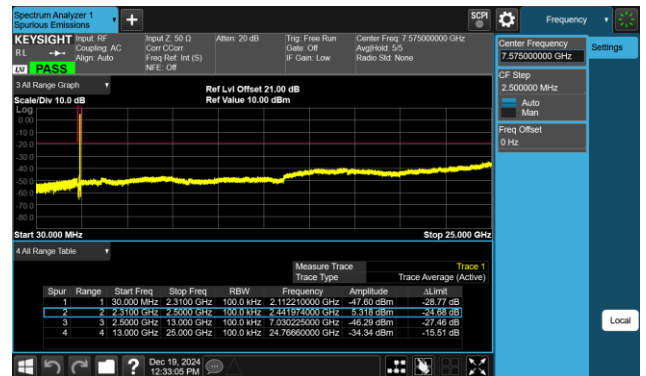
802.11 g CH01 (2412MHz)



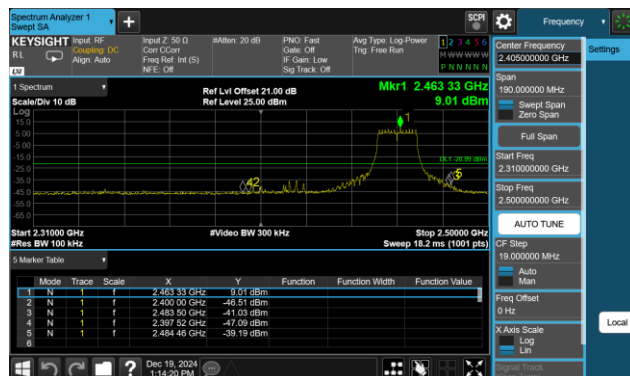
802.11 g CH06 (2437MHz)



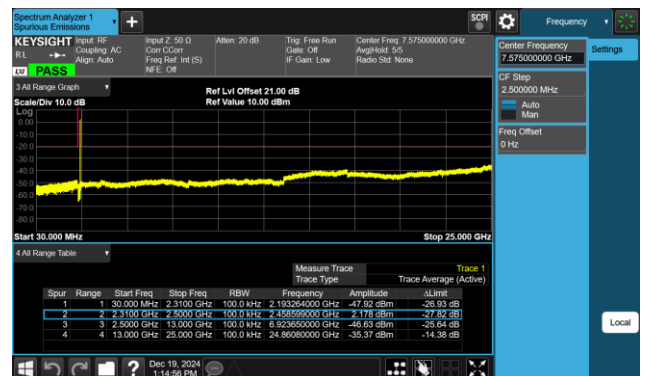
802.11 g CH06 (2437MHz)



802.11 g CH11 (2462MHz)



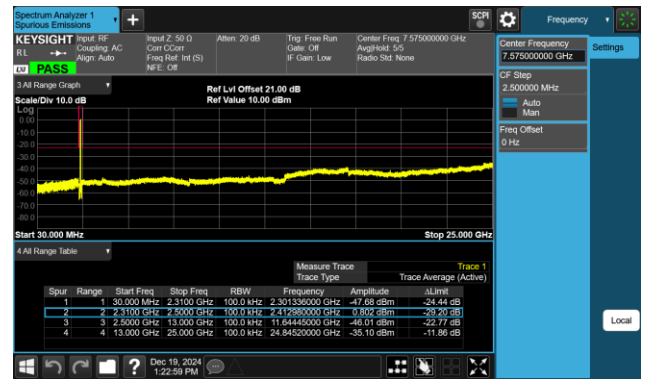
802.11 g CH11 (2462MHz)



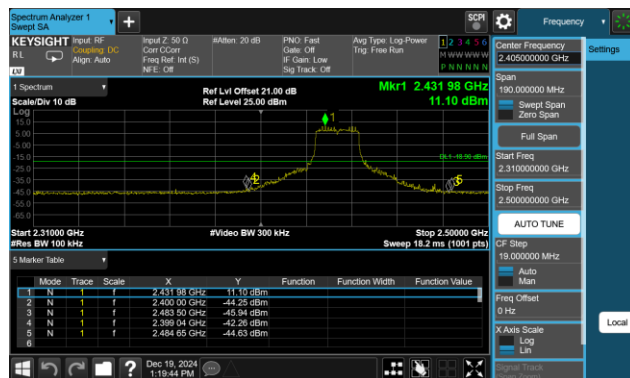
802.11 n20 CH01 (2412MHz)



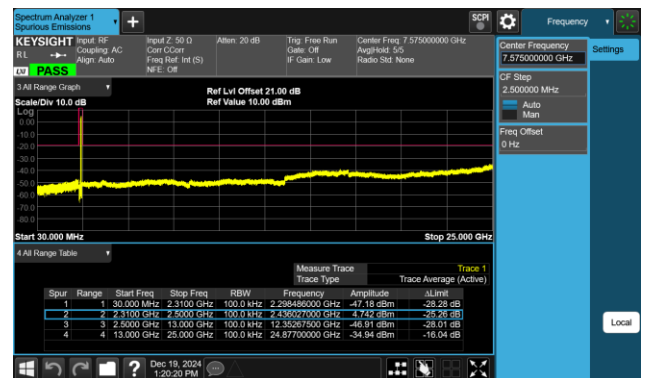
802.11 n20 CH01 (2412MHz)



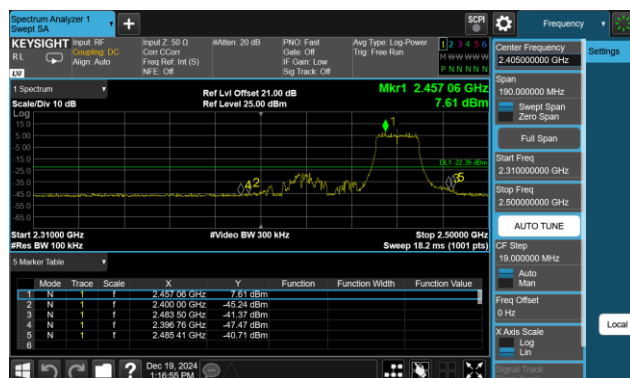
802.11 n20 CH06 (2437MHz)



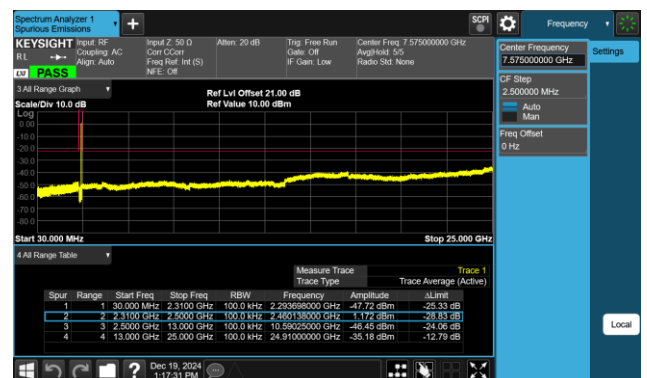
802.11 n20 CH06 (2437MHz)



802.11 n20 CH11 (2462MHz)



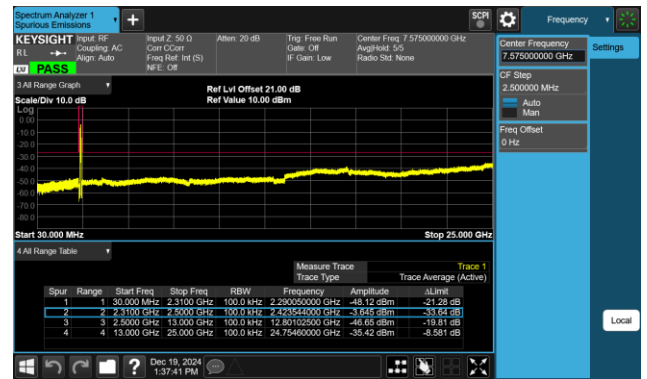
802.11 n20 CH11 (2462MHz)



802.11 n40 CH03 (2422MHz)



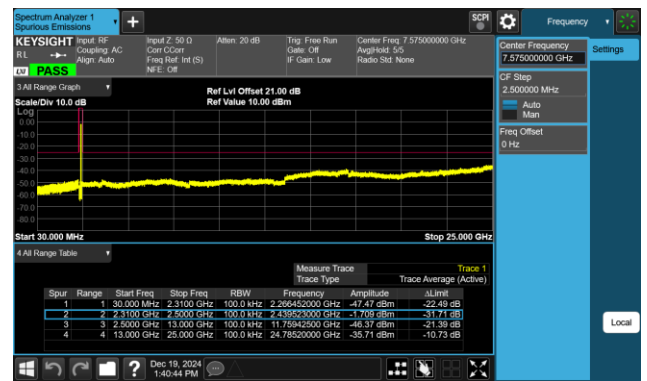
802.11 n40 CH03 (2422MHz)



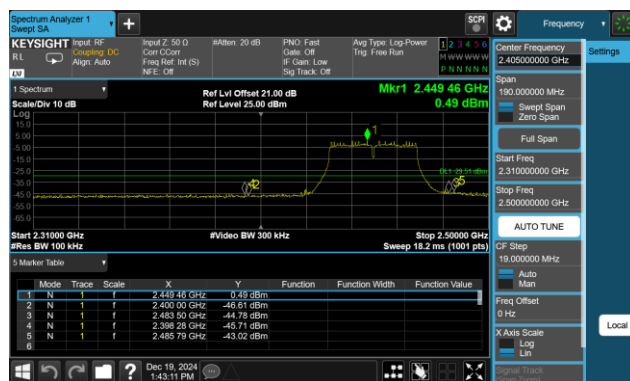
802.11 n40 CH06 (2437MHz)



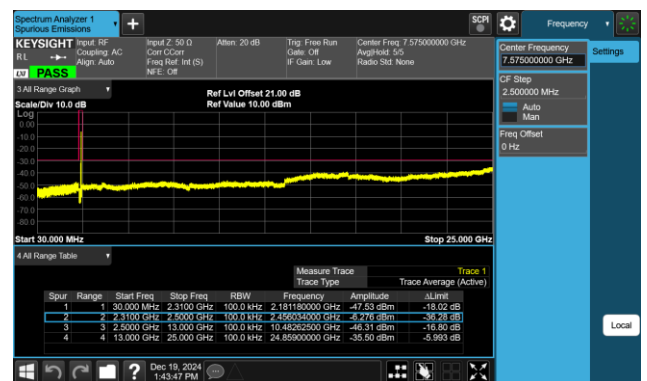
802.11 n40 CH06 (2437MHz)



802.11 n40 CH09 (2452MHz)



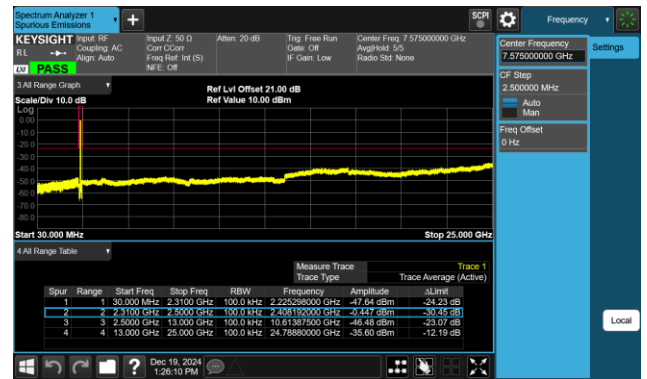
802.11 n40 CH09 (2452MHz)



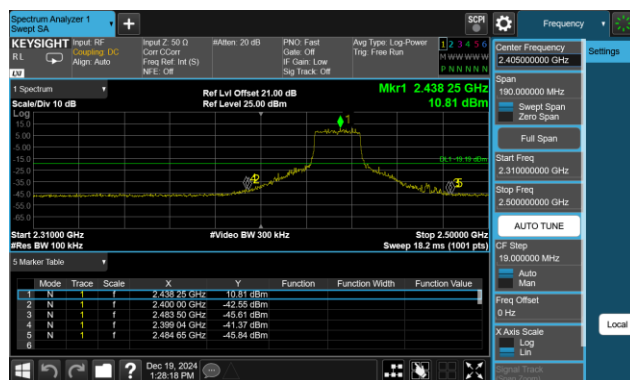
802.11 ax20 CH01 (2412MHz)



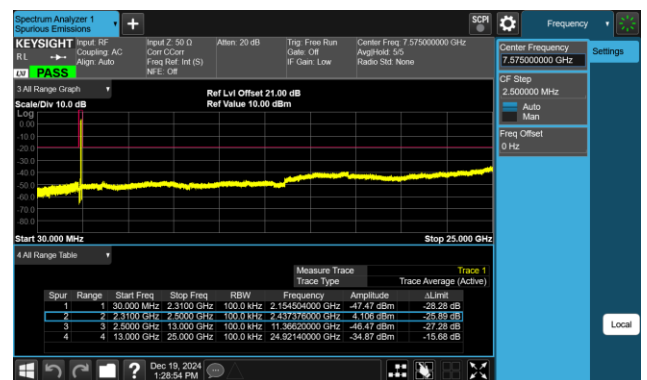
802.11 ax20 CH01 (2412MHz)



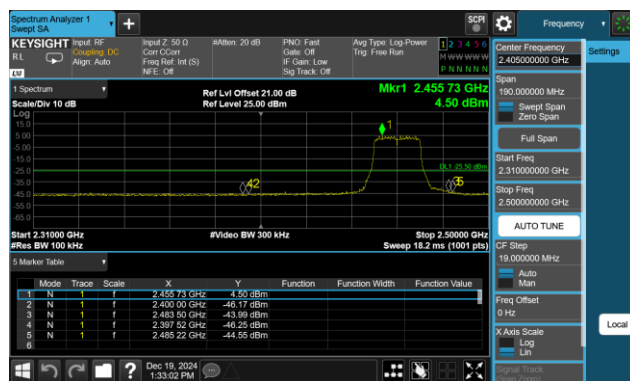
802.11 ax20 CH06 (2437MHz)



802.11 ax20 CH06 (2437MHz)



802.11 ax20 CH11 (2462MHz)



802.11 ax20 CH11 (2462MHz)

