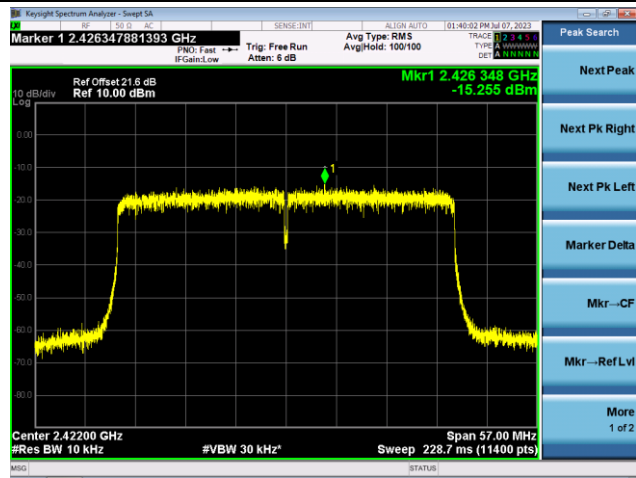
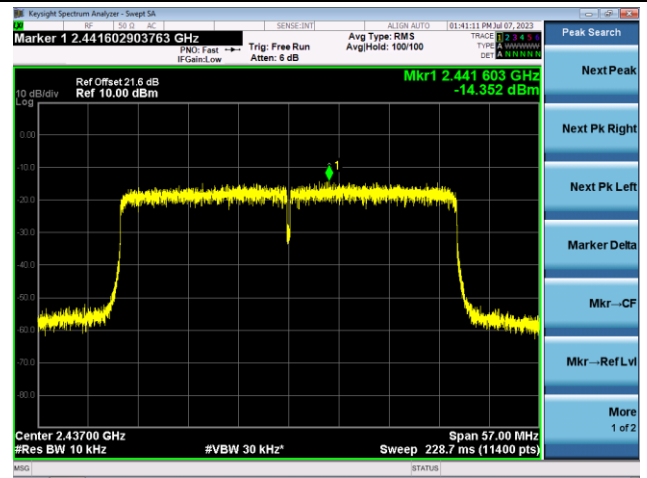


802.11ax-HE40 - PSD Ant 0

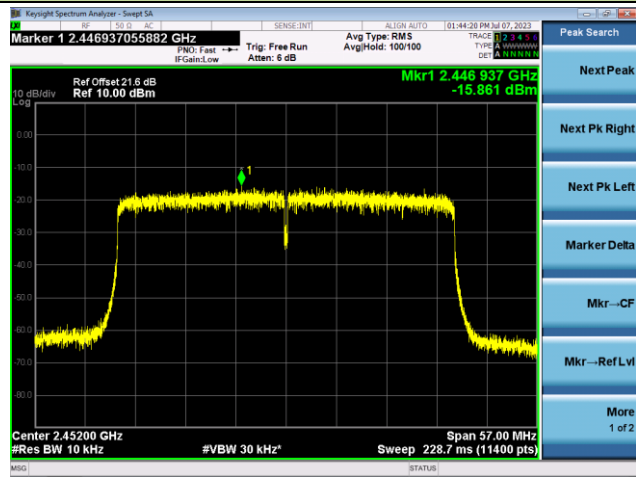
Channel 03 (2422MHz)



Channel 06 (2437MHz)

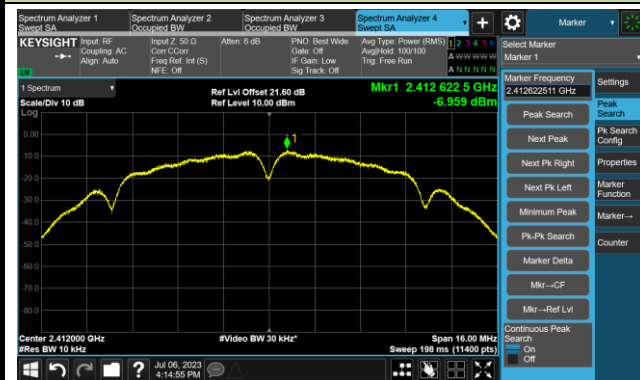


Channel 09 (2452MHz)



802.11b - PSD Ant 1

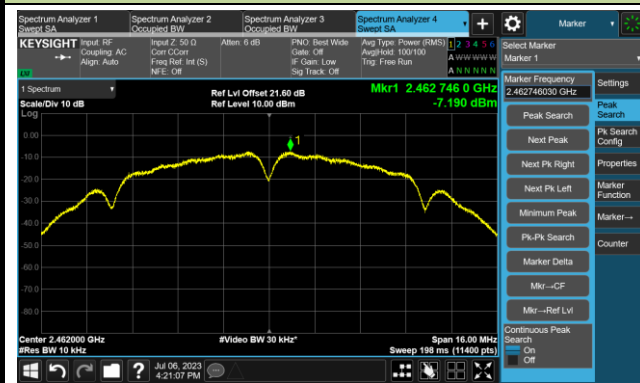
Channel 01 (2412MHz)



Channel 06 (2437MHz)

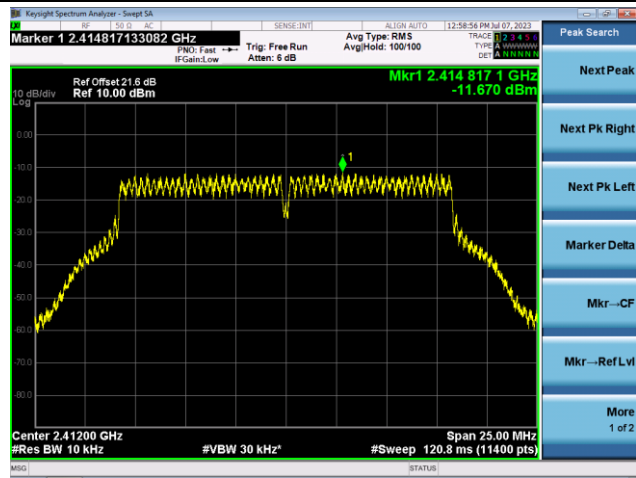


Channel 11 (2462MHz)

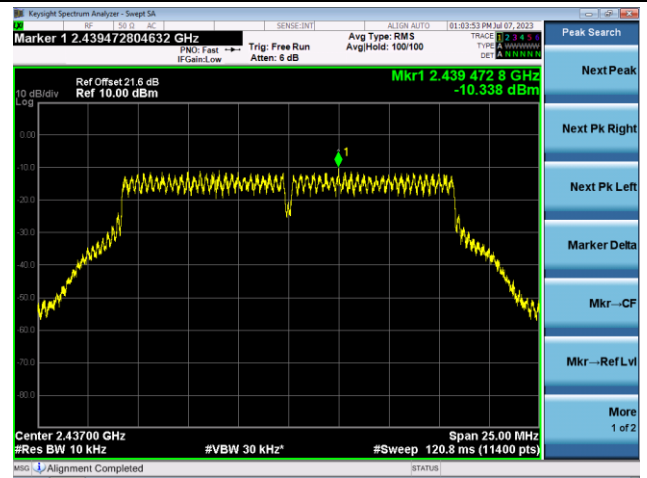


802.11g - PSD Ant 1

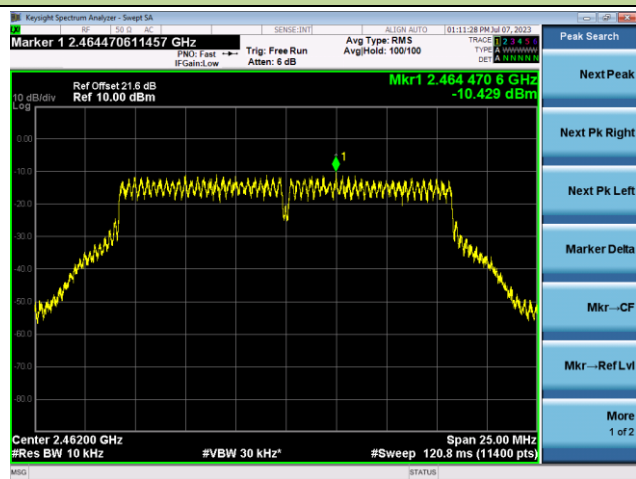
Channel 01 (2412MHz)



Channel 06 (2437MHz)

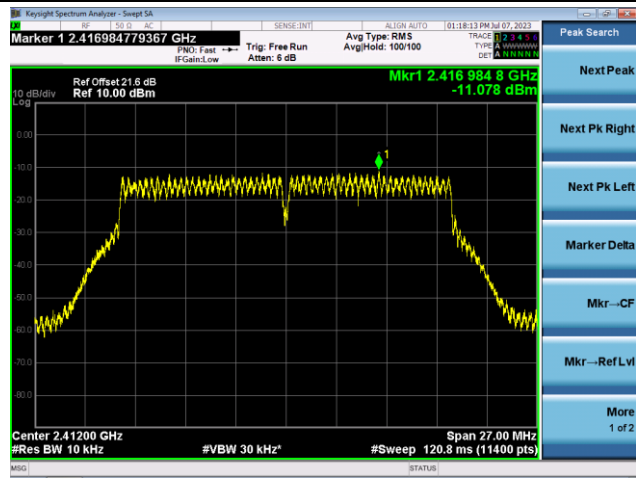


Channel 11 (2462MHz)

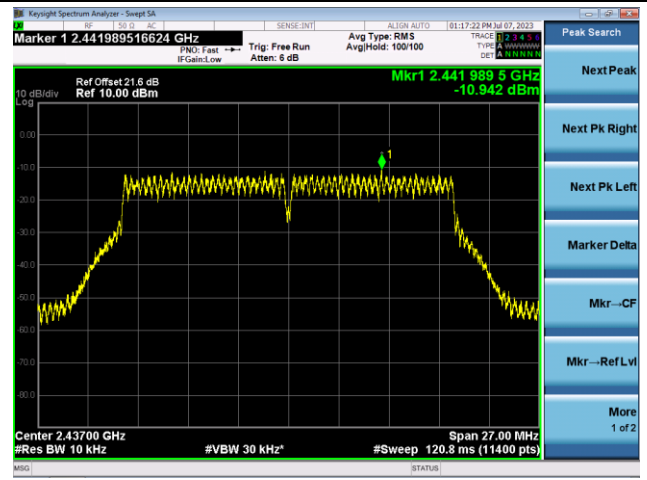


802.11n-HT20 - PSD Ant 1

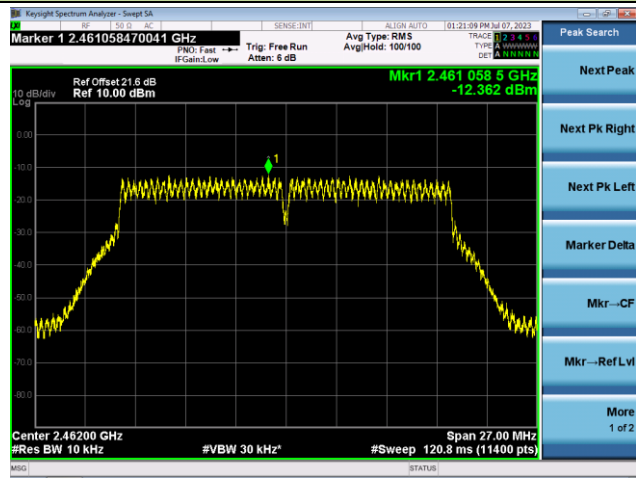
Channel 01 (2412MHz)



Channel 06 (2437MHz)

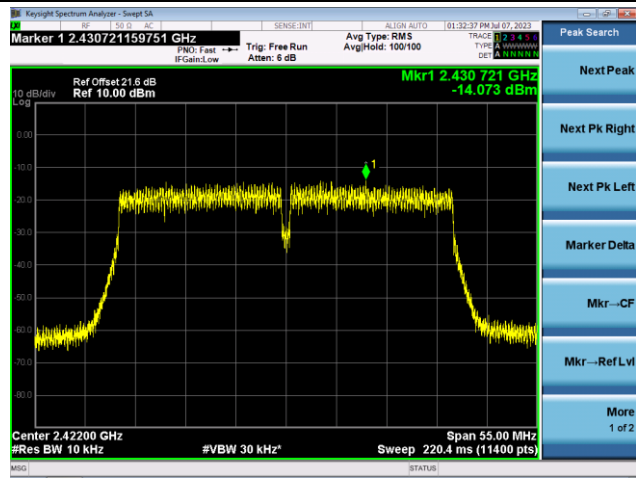


Channel 11 (2462MHz)

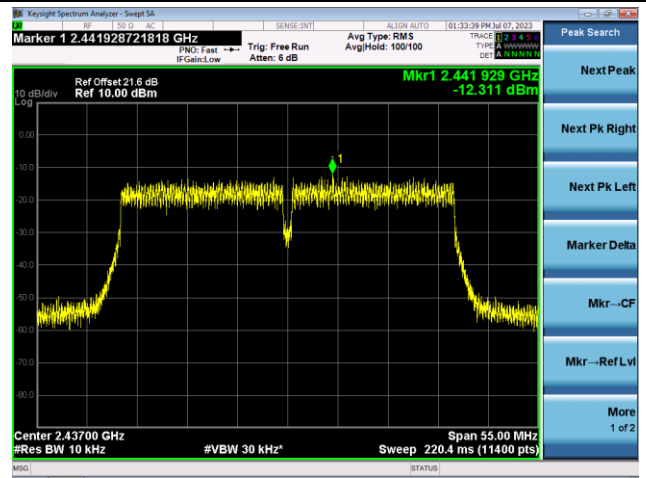


802.11n-HT40 - PSD Ant 1

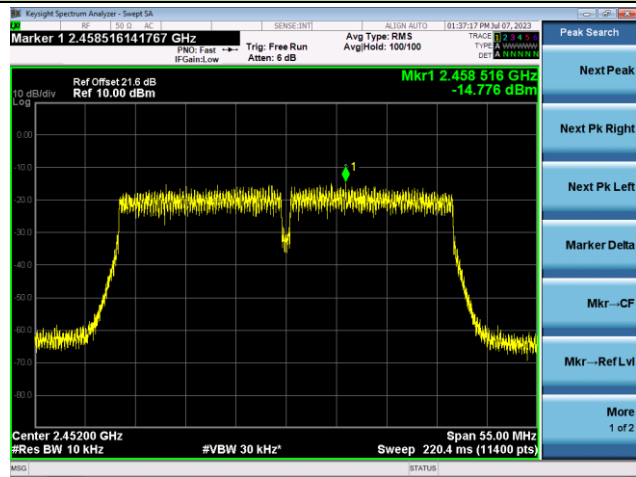
Channel 03 (2422MHz)



Channel 06 (2437MHz)

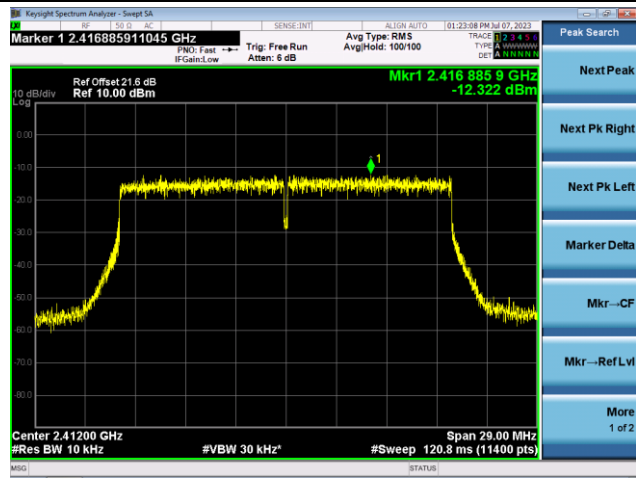


Channel 09 (2452MHz)

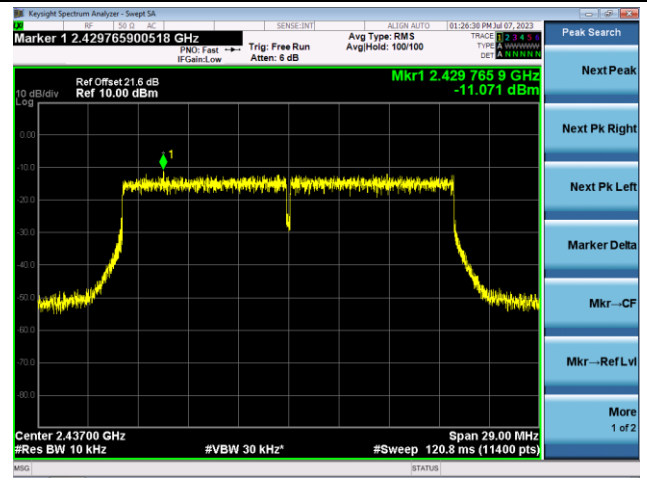


802.11ax-HE20 - PSD Ant 1

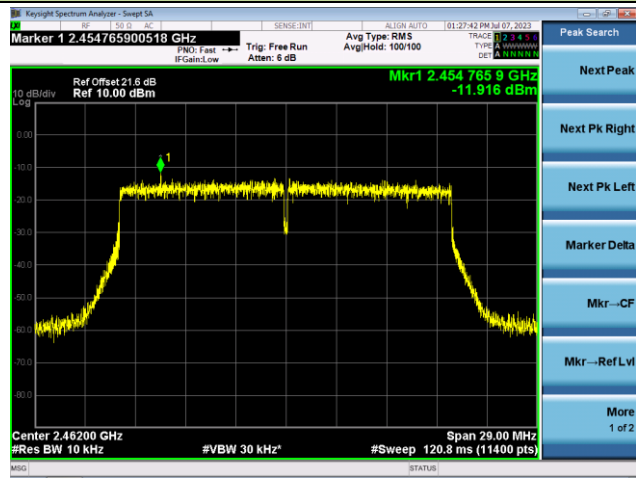
Channel 01 (2412MHz)



Channel 06 (2437MHz)

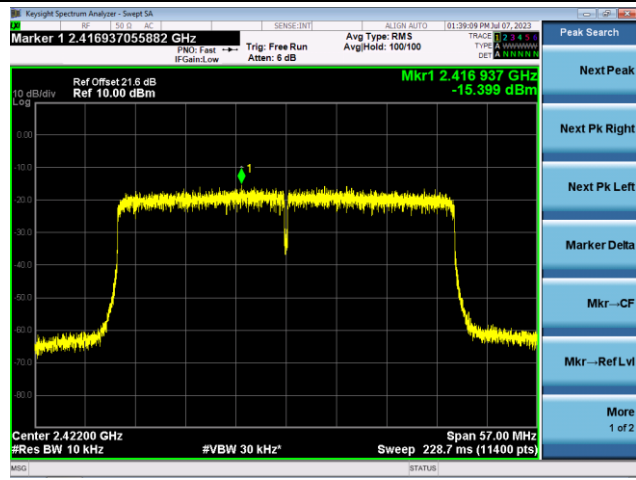


Channel 11 (2462MHz)

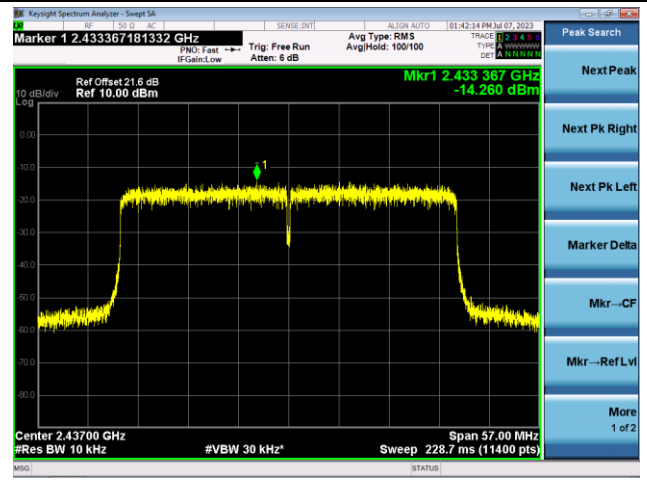


802.11ax-HE40 - PSD Ant 1

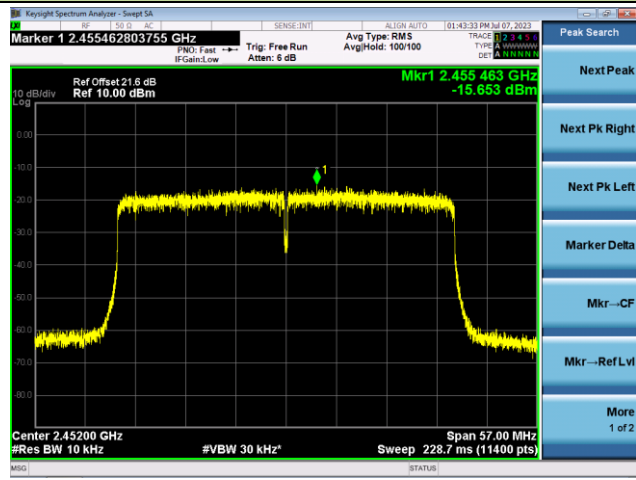
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-07-08	Radio	1

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm / 10kHz)		Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
				Ant 0	Ant 1			
11b	1Mbps	01	2412	-7.182	-7.807	-4.24	≤ 6.60	Pass
11b	1Mbps	06	2437	-6.826	-7.617	-3.96	≤ 6.60	Pass
11b	1Mbps	11	2462	-7.200	-7.378	-4.05	≤ 6.60	Pass
11g	6Mbps	01	2412	-10.550	-11.047	-7.55	≤ 6.60	Pass
11g	6Mbps	06	2437	-9.602	-10.226	-6.66	≤ 6.60	Pass
11g	6Mbps	11	2462	-9.989	-10.353	-6.92	≤ 6.60	Pass
11n-HT20	MCS0	01	2412	-10.544	-10.973	-7.52	≤ 6.60	Pass
11n-HT20	MCS0	06	2437	-10.036	-10.500	-7.03	≤ 6.60	Pass
11n-HT20	MCS0	11	2462	-11.429	-11.325	-8.15	≤ 6.60	Pass
11n-HT40	MCS0	03	2422	-13.565	-14.106	-10.37	≤ 6.60	Pass
11n-HT40	MCS0	06	2437	-12.402	-12.798	-9.14	≤ 6.60	Pass
11n-HT40	MCS0	09	2452	-13.720	-14.947	-10.84	≤ 6.60	Pass
11ax-HE20	MCS0	01	2412	-12.518	-13.085	-9.68	≤ 6.60	Pass
11ax-HE20	MCS0	06	2437	-11.235	-11.498	-8.26	≤ 6.60	Pass
11ax-HE20	MCS0	11	2462	-13.624	-13.930	-10.67	≤ 6.60	Pass
11ax-HE40	MCS0	03	2422	-15.243	-15.363	-12.10	≤ 6.60	Pass
11ax-HE40	MCS0	06	2437	-13.252	-14.360	-10.57	≤ 6.60	Pass
11ax-HE40	MCS0	09	2452	-16.329	-16.710	-13.31	≤ 6.60	Pass

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

802.11b - PSD Ant 0

Channel 01 (2412MHz)



Channel 06 (2437MHz)

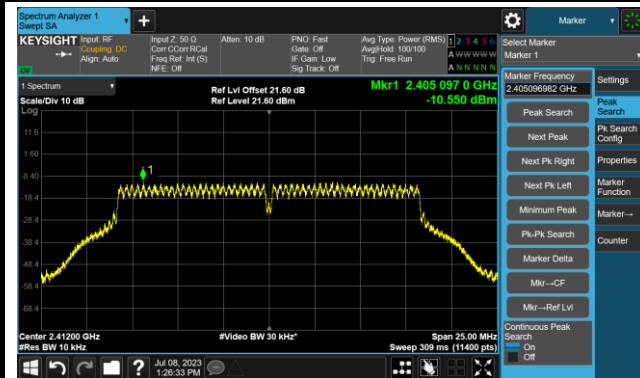


Channel 11 (2462MHz)

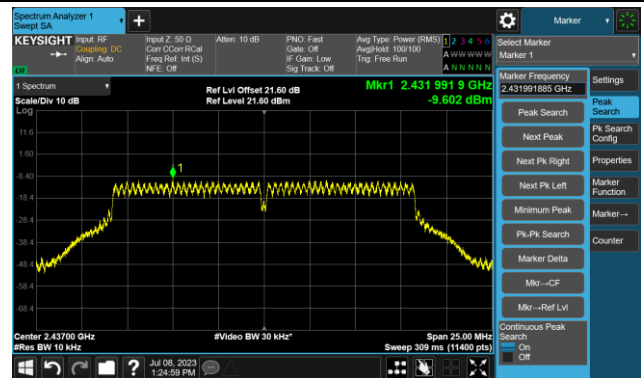


802.11g - PSD Ant 0

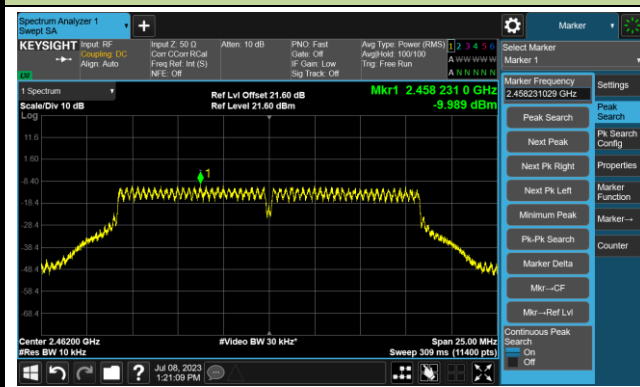
Channel 01 (2412MHz)



Channel 06 (2437MHz)

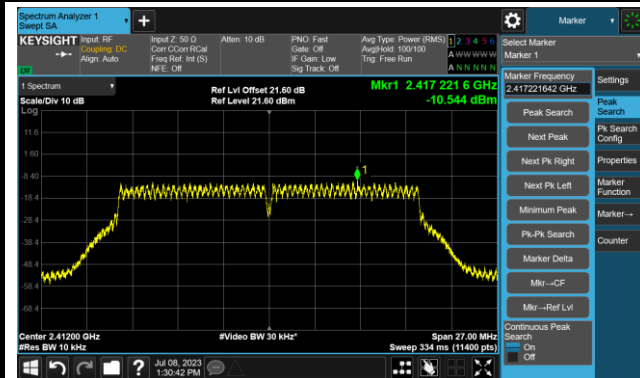


Channel 11 (2462MHz)

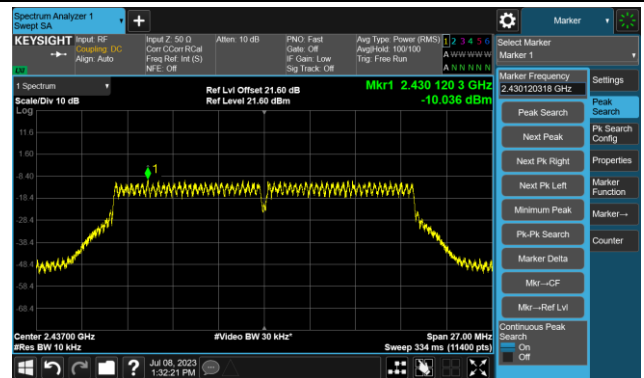


802.11n-HT20 - PSD Ant 0

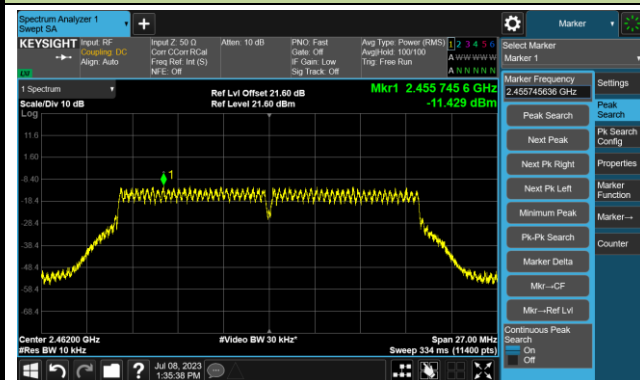
Channel 01 (2412MHz)



Channel 06 (2437MHz)

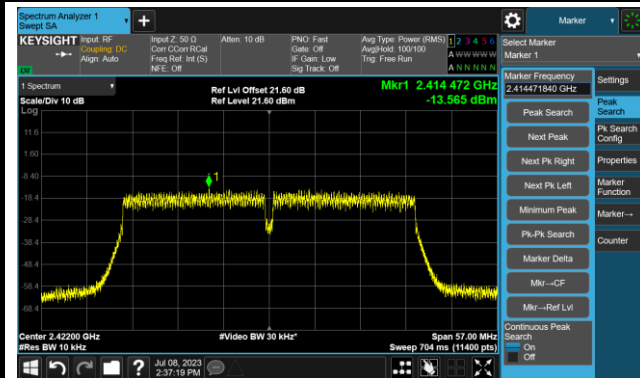


Channel 11 (2462MHz)

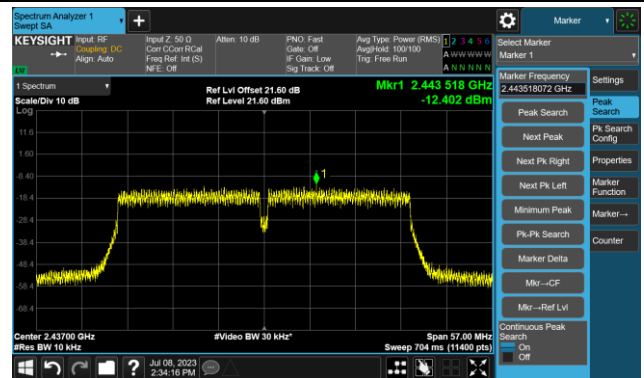


802.11n-HT40 - PSD Ant 0

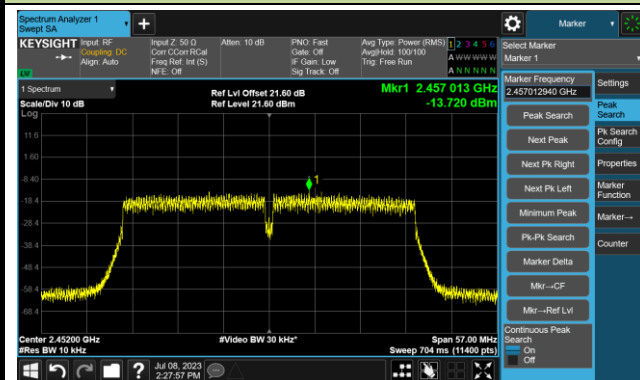
Channel 03 (2422MHz)



Channel 06 (2437MHz)

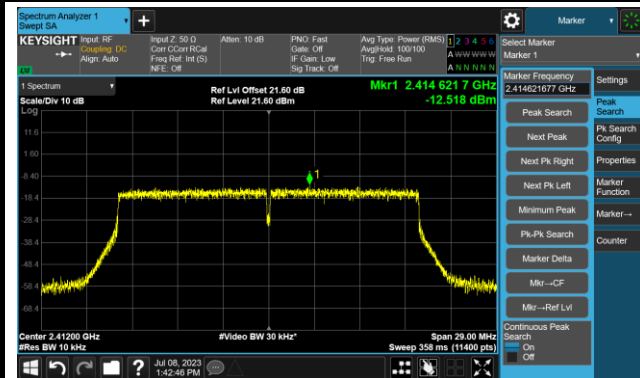


Channel 09 (2452MHz)

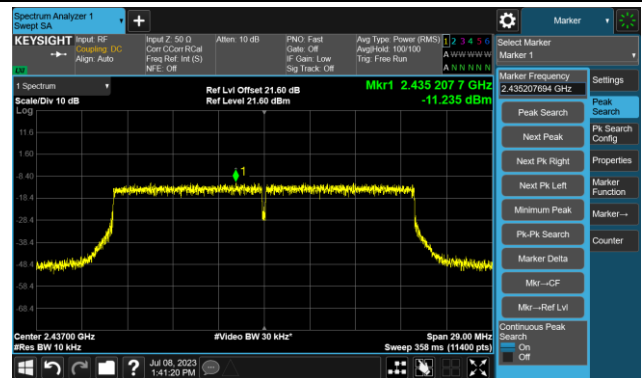


802.11ax-HE20 - PSD Ant 0

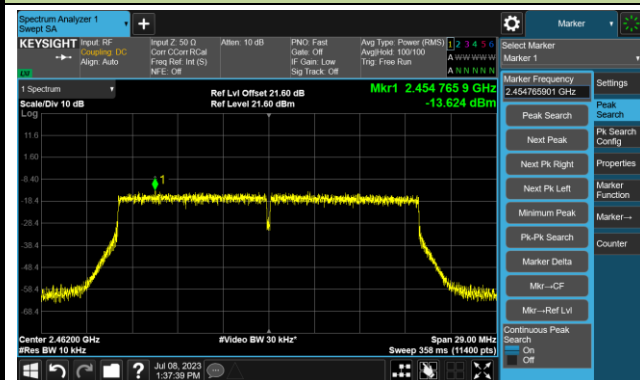
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

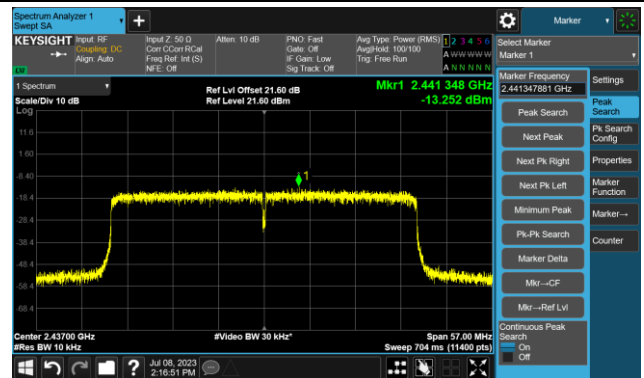


802.11ax-HE40 - PSD Ant 0

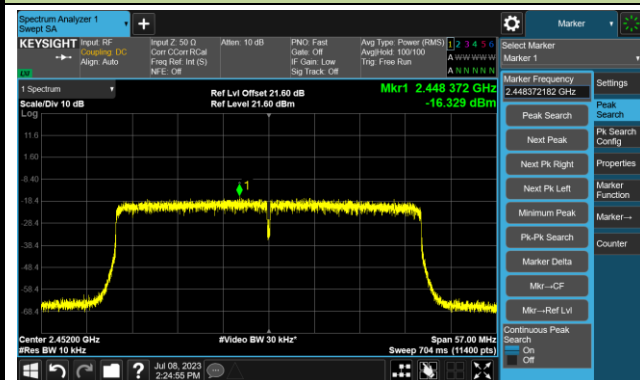
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11b - PSD Ant 1

Channel 01 (2412MHz)



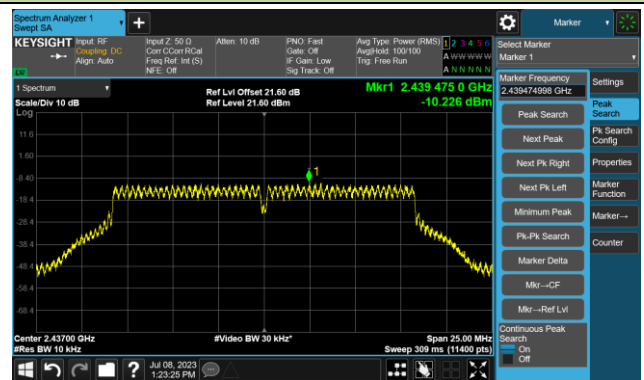
Channel 06 (2437MHz)



Channel 11 (2462MHz)



Channel 06 (2437MHz)



Spectrum Analyzer 1
Sweep SA

KEYSTONE Input: RF RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Cont Coor: RCh
Freq Ref: Int (S)
NFE: Off

Att: 0 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Power (RMS)
Ave/hold: 100/100
Trig: Free Run

1 2 3 4 5 6
A W W W W W
A N N N N N

Marker
Marker 1

Marker Frequency
2.458529301 GHz

Peak Search
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Minimum Peak
Pk-Pk Search
Marker Delta
Mkr → CF
Mkr ← Ref Lvl

Settings
Peak Search
Pk Search
Config
Properties
Marker Function
Marker →
Counter

Continuous Peak Search
On
Off

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 21.60 dB
Ref Level 21.60 dBm

Mkr1 2.458 529.3 GHz
-10.353 dBm

Center 2.46200 GHz
#Video BW 30 kHz*

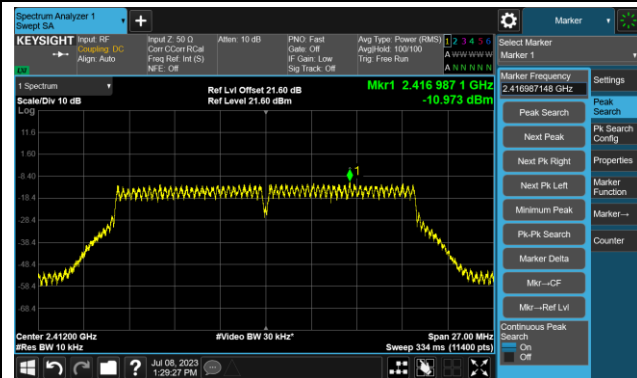
Span 25.00 MHz
Sweep 309 ms (11400 pts)

Center 2.46200 GHz
BW 10 kHz

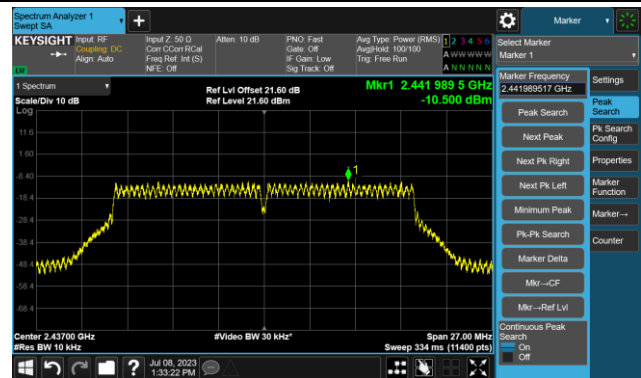
Jul 08, 2023
12:23:16 PM

802.11n-HT20 - PSD Ant 1

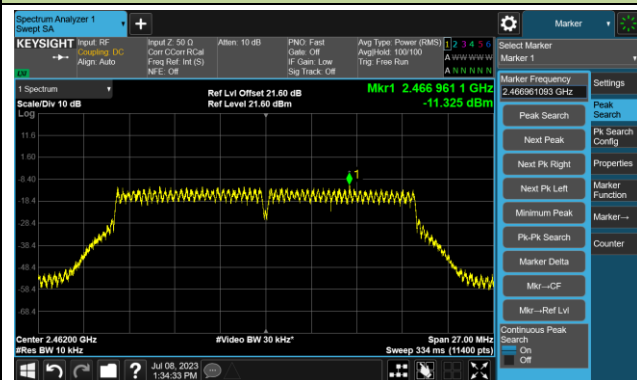
Channel 01 (2412MHz)



Channel 06 (2437MHz)

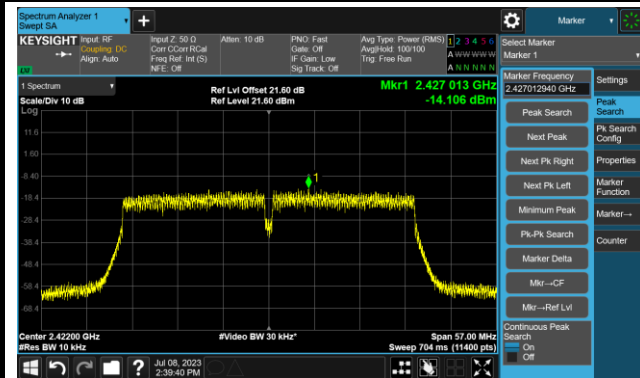


Channel 11 (2462MHz)

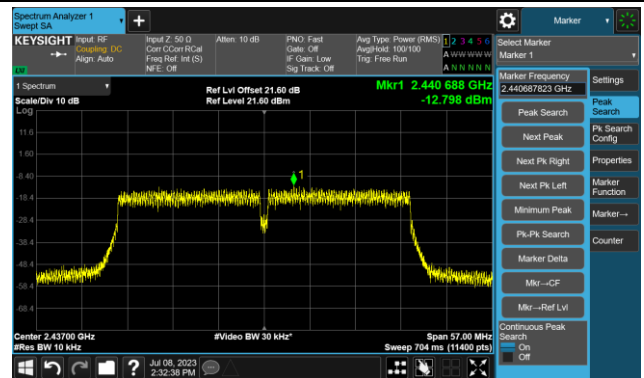


802.11n-HT40 - PSD Ant 1

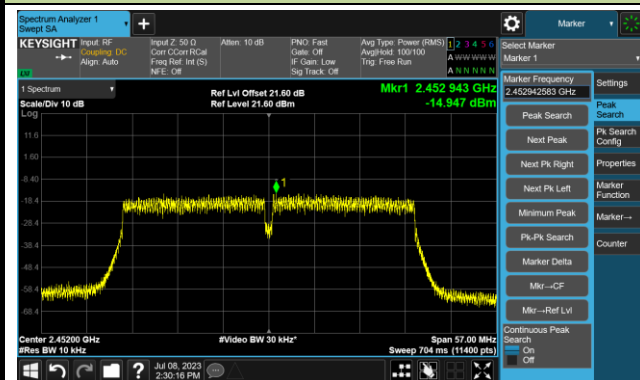
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

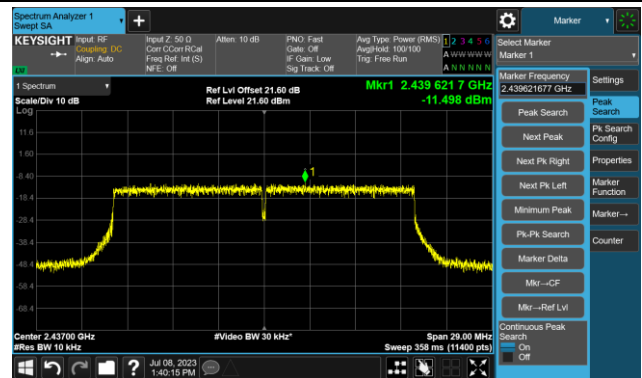


802.11ax-HE20 - PSD Ant 1

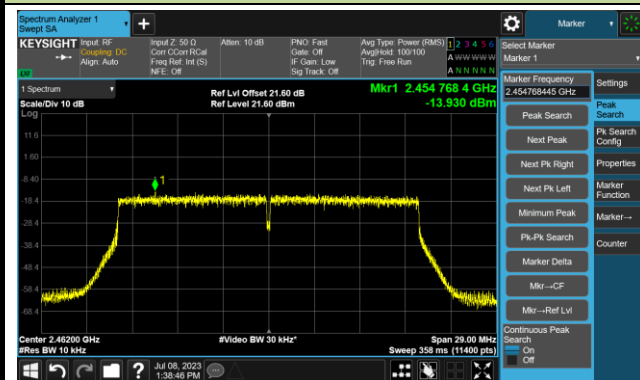
Channel 01 (2412MHz)



Channel 06 (2437MHz)

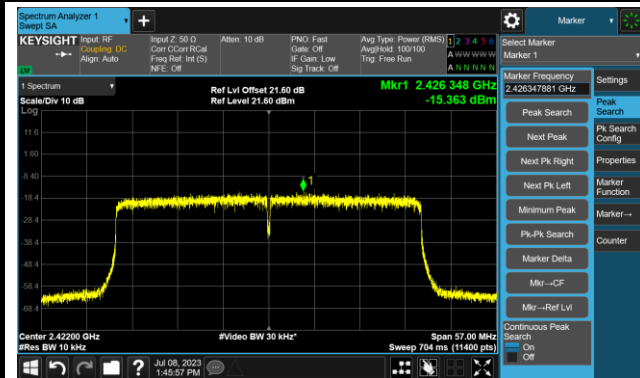


Channel 11 (2462MHz)

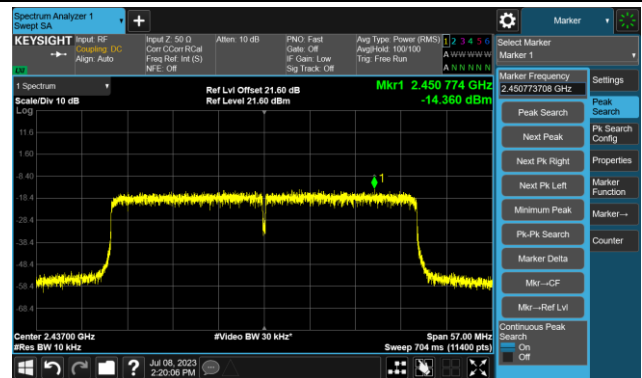


802.11ax-HE40 - PSD Ant 1

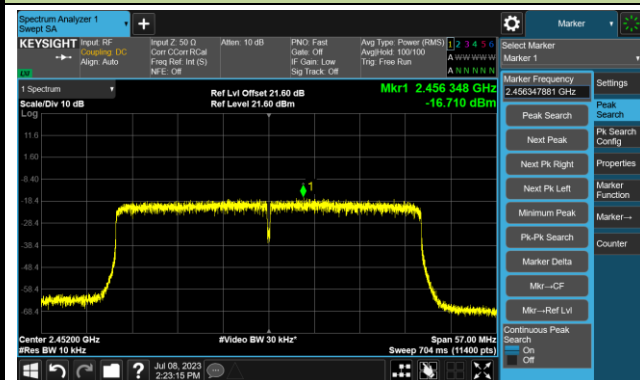
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-07-07	Radio	0

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

802.11b Out-of-Band Emissions – Ant 0

Channel 01 (2412MHz)

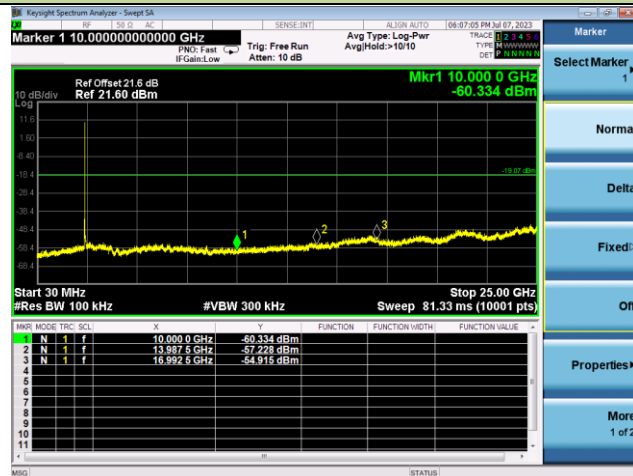
100kHz PSD Reference Level



Low Band Edge

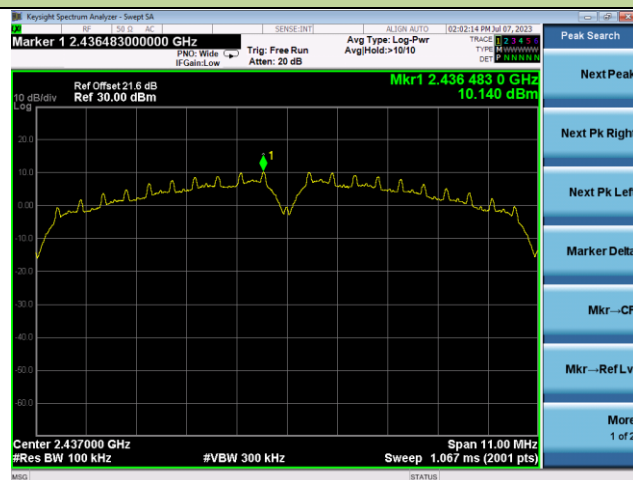


Spurious Emission

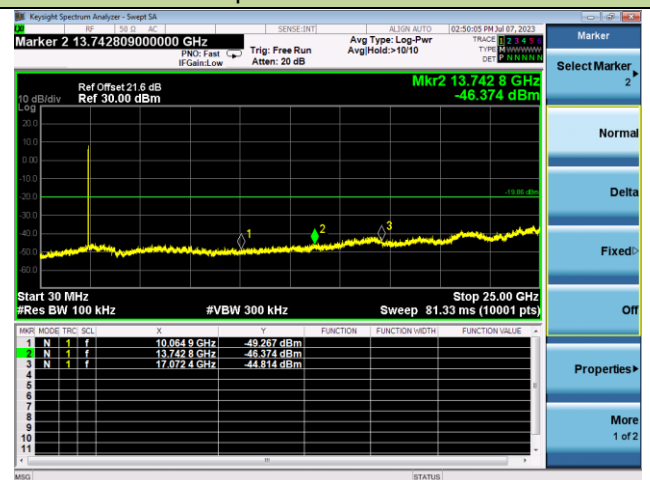


Channel 06 (2437MHz)

100kHz PSD Reference Level



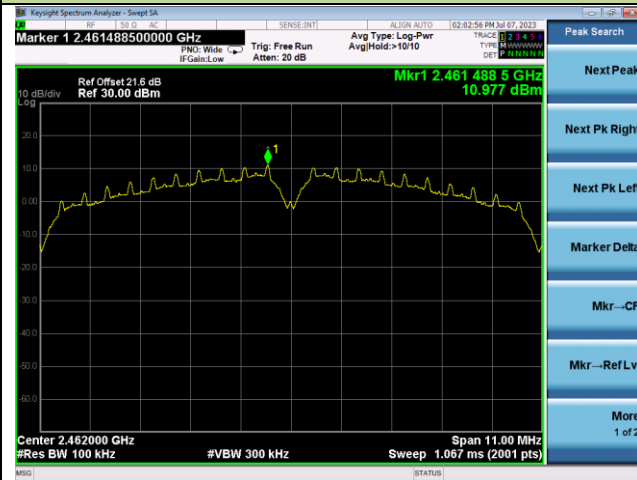
Spurious Emission



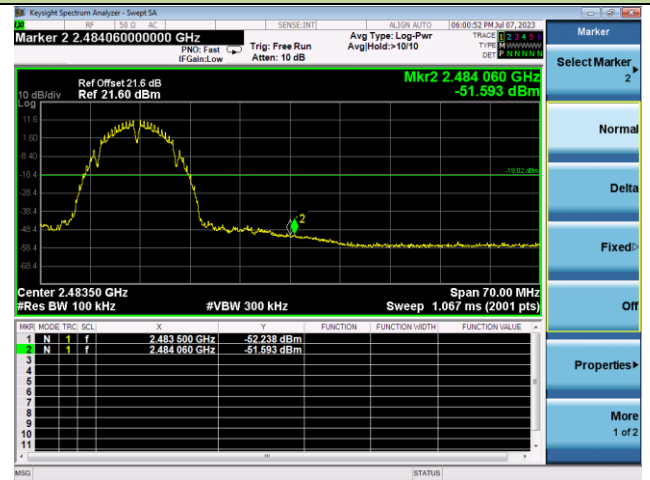
802.11b Out-of-Band Emissions – Ant 0

Channel 11 (2462MHz)

100kHz PSD Reference Level



High Band Edge



Spurious Emission

