

Test Report

2.4G WIFI RF test data

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
MIMO	802.11ax20	2412	Ant0&1	-55.557	-30	Pass
MIMO	802.11ax20	2462	Ant0&1	-50.004	-30	Pass
MIMO	802.11ax40	2422	Ant0&1	-48.181	-30	Pass
MIMO	802.11ax40	2452	Ant0&1	-43.353	-30	Pass
MIMO	802.11b	2412	Ant0&1	-55.843	-30	Pass
MIMO	802.11b	2462	Ant0&1	-56.682	-30	Pass
MIMO	802.11g	2412	Ant0&1	-53.691	-30	Pass
MIMO	802.11g	2462	Ant0&1	-55.177	-30	Pass
MIMO	802.11n(HT20)	2412	Ant0&1	-52.781	-30	Pass
MIMO	802.11n(HT20)	2462	Ant0&1	-51.893	-30	Pass
MIMO	802.11n(HT40)	2422	Ant0&1	-46.953	-30	Pass
MIMO	802.11n(HT40)	2452	Ant0&1	-47.39	-30	Pass

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.41200000 GHz

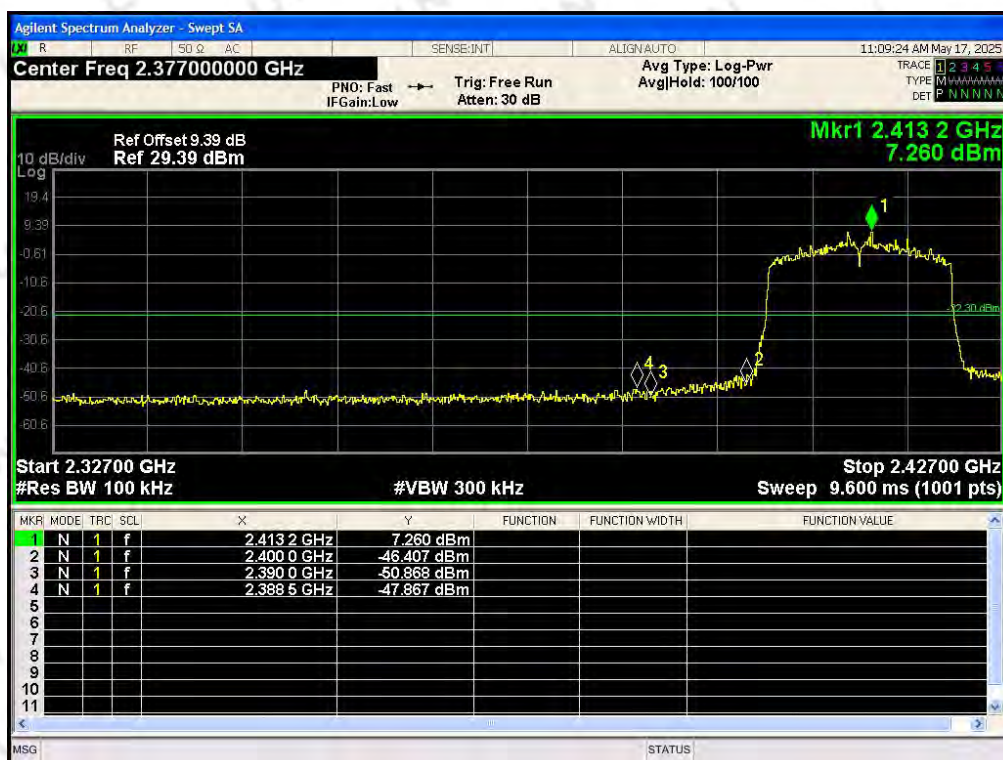
Ref Offset 9.39 dB
Ref 29.39 dBm

Mkr1 2.413 26 GHz
7.697 dBm

Center 2.41200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.413 26 GHz	7.697 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Band Edge MIMO 802.11ax20 2412MHz Ant0&1 Emission



Band Edge MIMO 802.11ax20 2462MHz Ant0&1 Ref



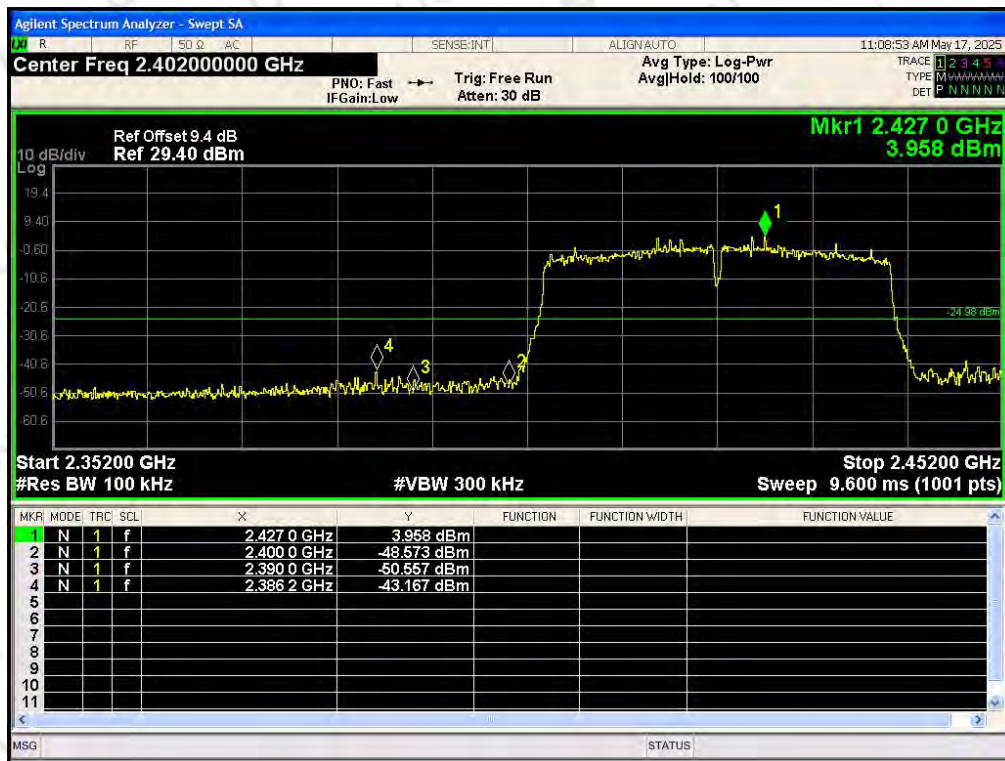
Band Edge MIMO 802.11ax20 2462MHz Ant0&1 Emission



Band Edge MIMO 802.11ax40 2422MHz Ant0&1 Ref



Band Edge MIMO 802.11ax40 2422MHz Ant0&1 Emission



Band Edge MIMO 802.11ax40 2452MHz Ant0&1 Ref



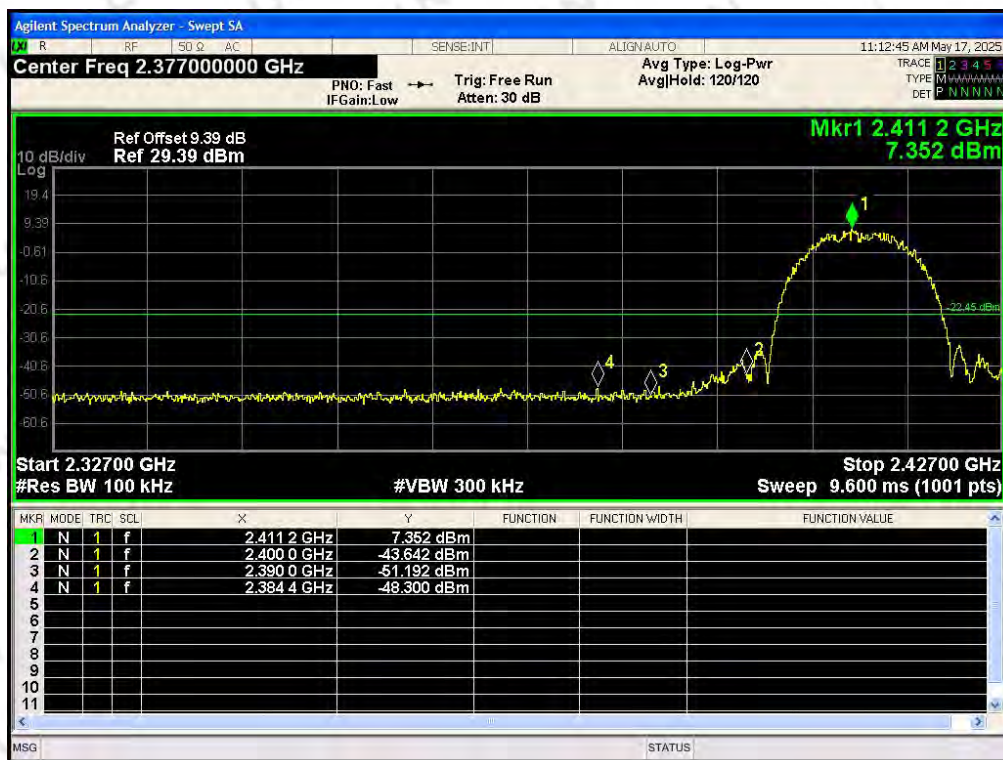
Band Edge MIMO 802.11ax40 2452MHz Ant0&1 Emission



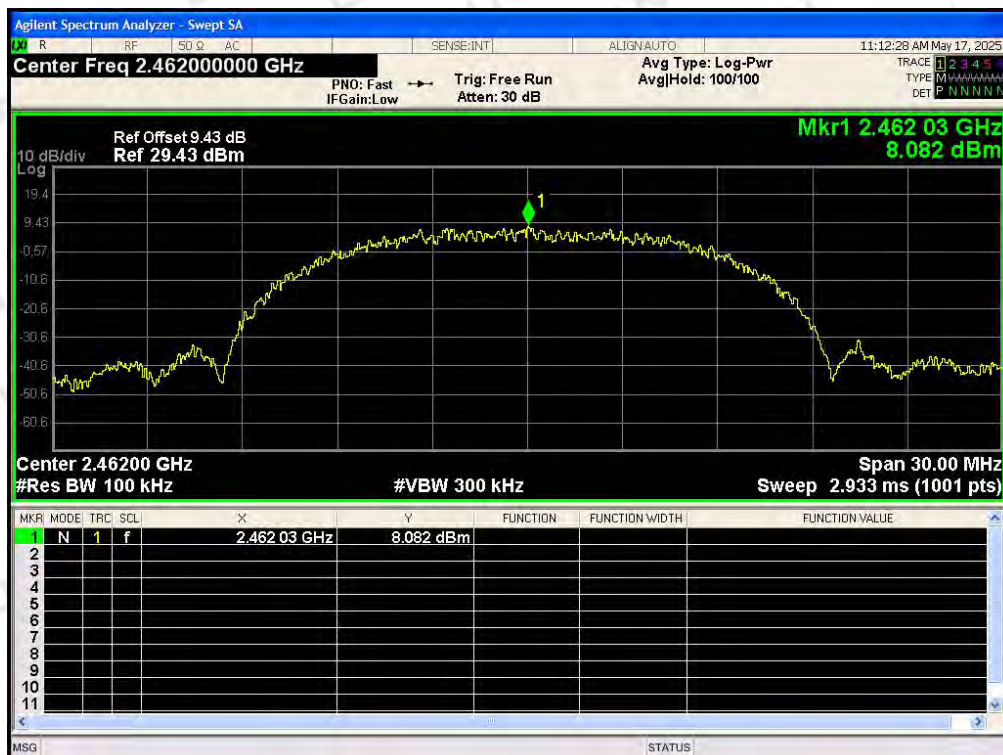
Band Edge MIMO 802.11b 2412MHz Ant0&1 Ref



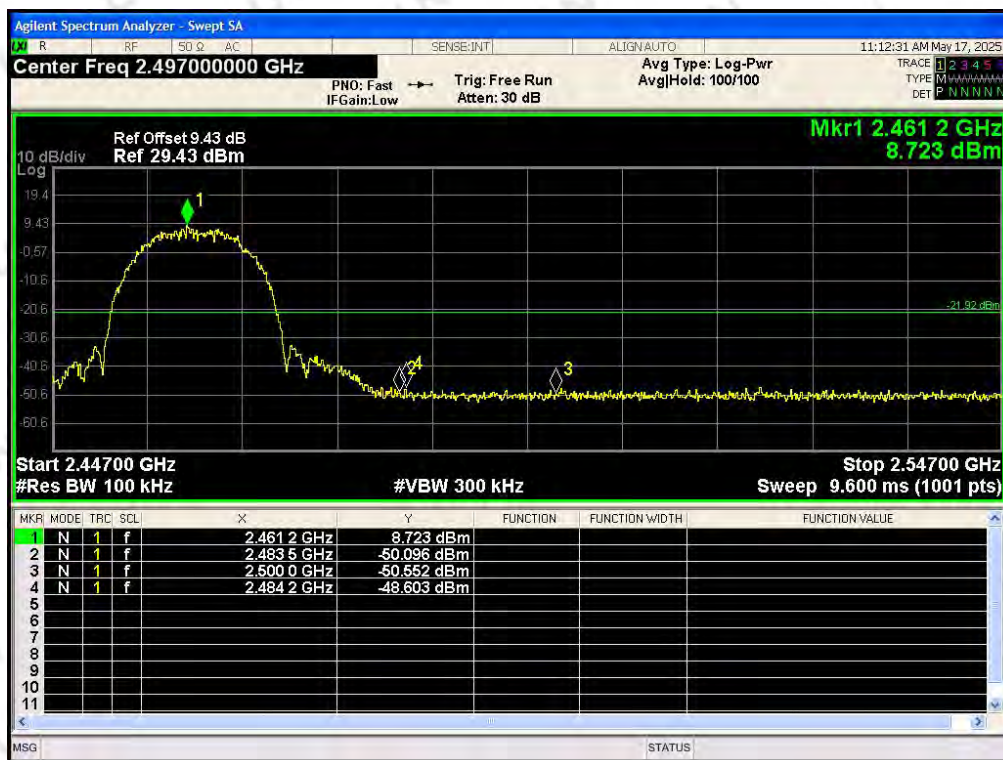
Band Edge MIMO 802.11b 2412MHz Ant0&1 Emission



Band Edge MIMO 802.11b 2462MHz Ant0&1 Ref



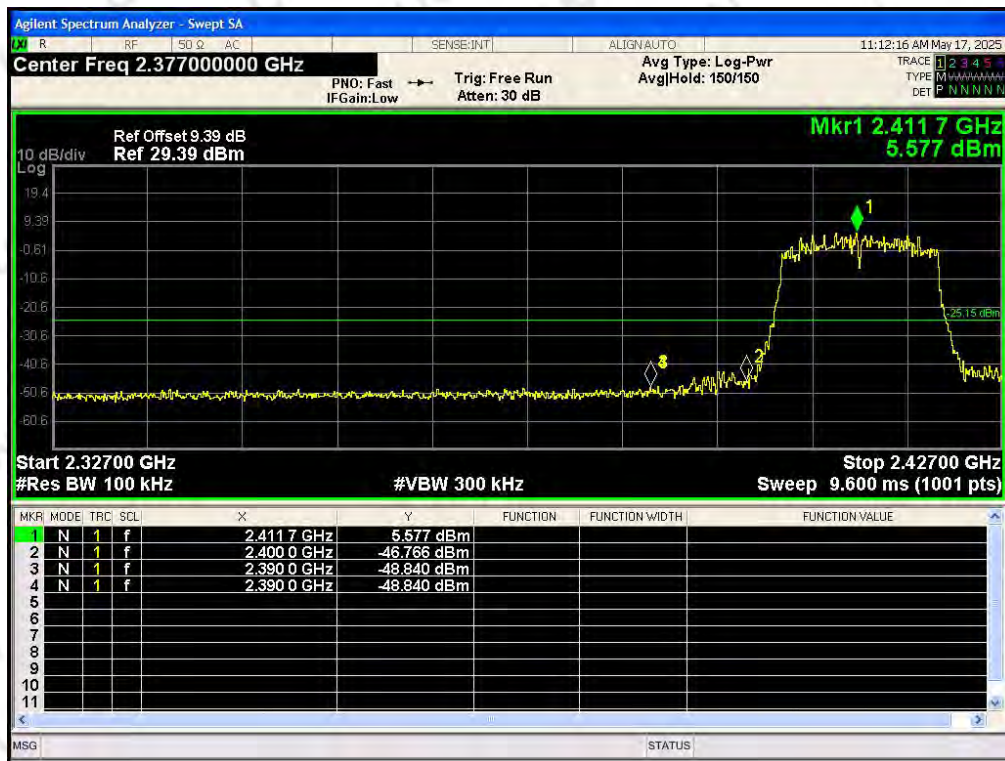
Band Edge MIMO 802.11b 2462MHz Ant0&1 Emission



Band Edge MIMO 802.11g 2412MHz Ant0&1 Ref



Band Edge MIMO 802.11g 2412MHz Ant0&1 Emission



Band Edge MIMO 802.11g 2462MHz Ant0&1 Ref



Band Edge MIMO 802.11g 2462MHz Ant0&1 Emission



Band Edge MIMO 802.11n(HT20) 2412MHz Ant0&1 Ref



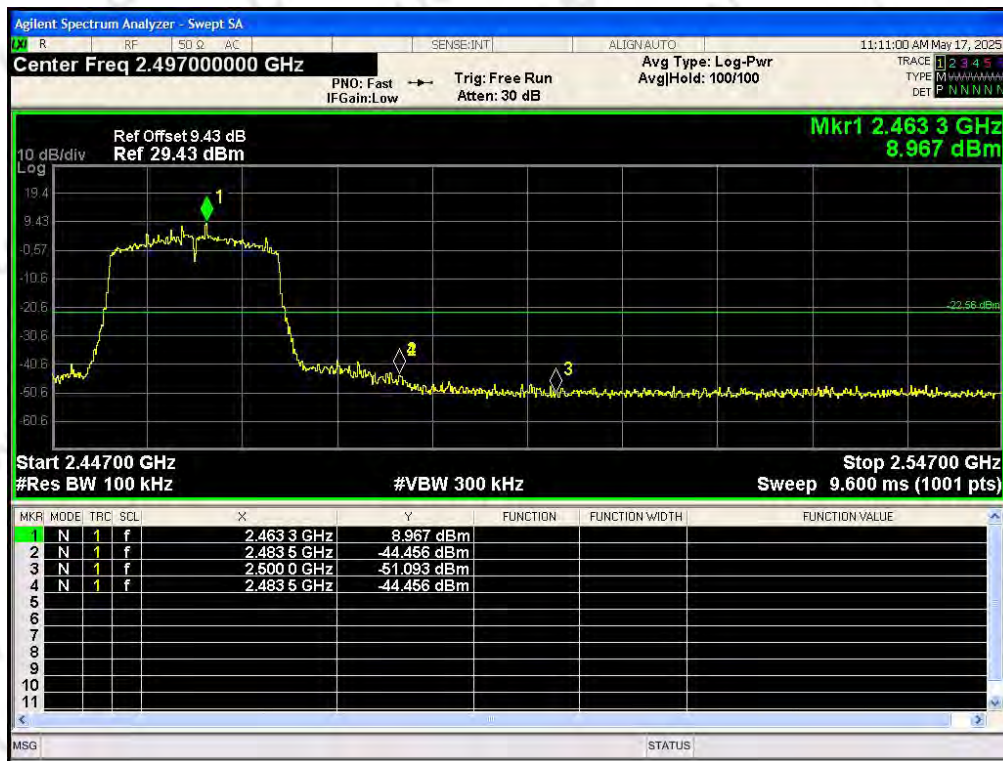
Band Edge MIMO 802.11n(HT20) 2412MHz Ant0&1 Emission



Band Edge MIMO 802.11n(HT20) 2462MHz Ant0&1 Ref



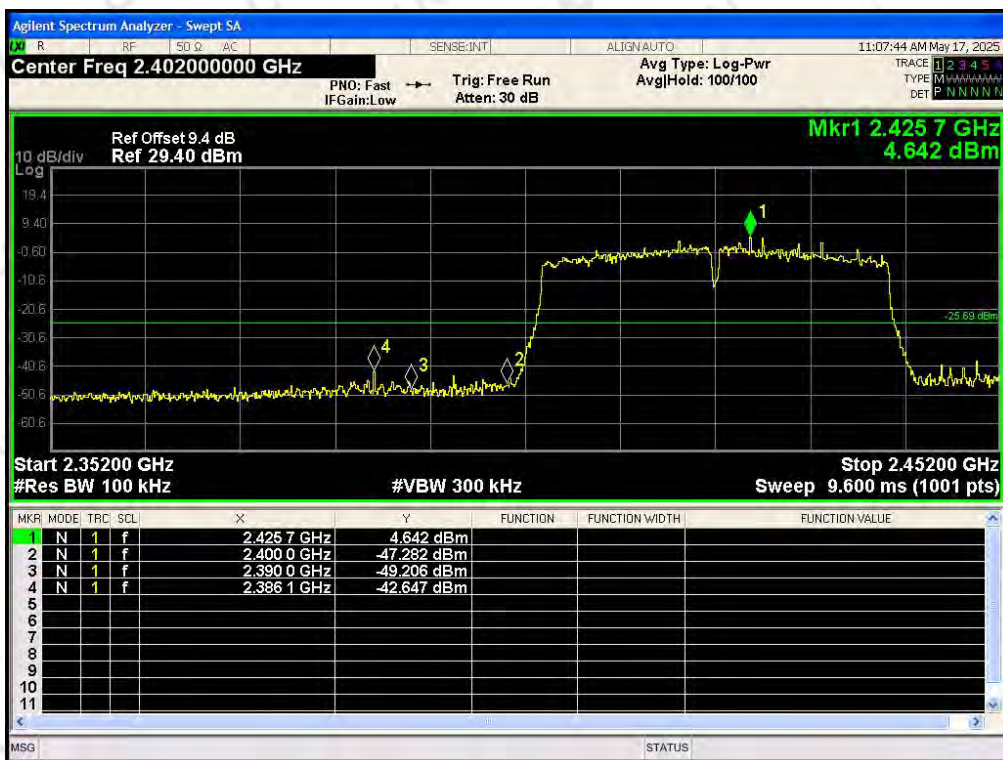
Band Edge MIMO 802.11n(HT20) 2462MHz Ant0&1 Emission



Band Edge MIMO 802.11n(HT40) 2422MHz Ant0&1 Ref



Band Edge MIMO 802.11n(HT40) 2422MHz Ant0&1 Emission



Band Edge MIMO 802.11n(HT40) 2452MHz Ant0&1 Ref



Band Edge MIMO 802.11n(HT40) 2452MHz Ant0&1 Emission



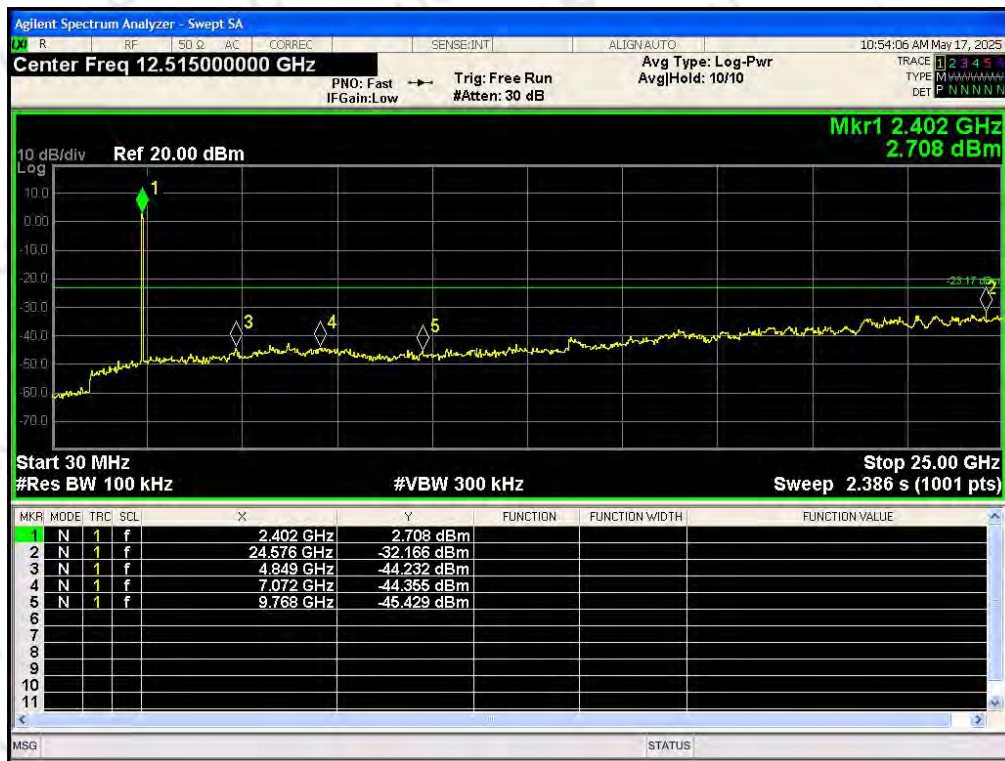
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
MIMO	802.11ax20	2412	Ant0&1	-38.989	-30	Pass
MIMO	802.11ax20	2437	Ant0&1	-39.119	-30	Pass
MIMO	802.11ax20	2462	Ant0&1	-40.239	-30	Pass
MIMO	802.11ax40	2422	Ant0&1	-36.855	-30	Pass
MIMO	802.11ax40	2437	Ant0&1	-35.91	-30	Pass
MIMO	802.11ax40	2452	Ant0&1	-36.463	-30	Pass
MIMO	802.11b	2412	Ant0&1	-38.203	-30	Pass
MIMO	802.11b	2437	Ant0&1	-39.982	-30	Pass
MIMO	802.11b	2462	Ant0&1	-41.421	-30	Pass
MIMO	802.11g	2412	Ant0&1	-37.909	-30	Pass
MIMO	802.11g	2437	Ant0&1	-40.198	-30	Pass
MIMO	802.11g	2462	Ant0&1	-39.241	-30	Pass
MIMO	802.11n(HT20)	2412	Ant0&1	-39.331	-30	Pass
MIMO	802.11n(HT20)	2437	Ant0&1	-38.931	-30	Pass
MIMO	802.11n(HT20)	2462	Ant0&1	-39.671	-30	Pass
MIMO	802.11n(HT40)	2422	Ant0&1	-35.556	-30	Pass
MIMO	802.11n(HT40)	2437	Ant0&1	-36.669	-30	Pass
MIMO	802.11n(HT40)	2452	Ant0&1	-36.419	-30	Pass

Tx. Spurious MIMO 802.11ax20 2412MHz Ant0&1 Ref



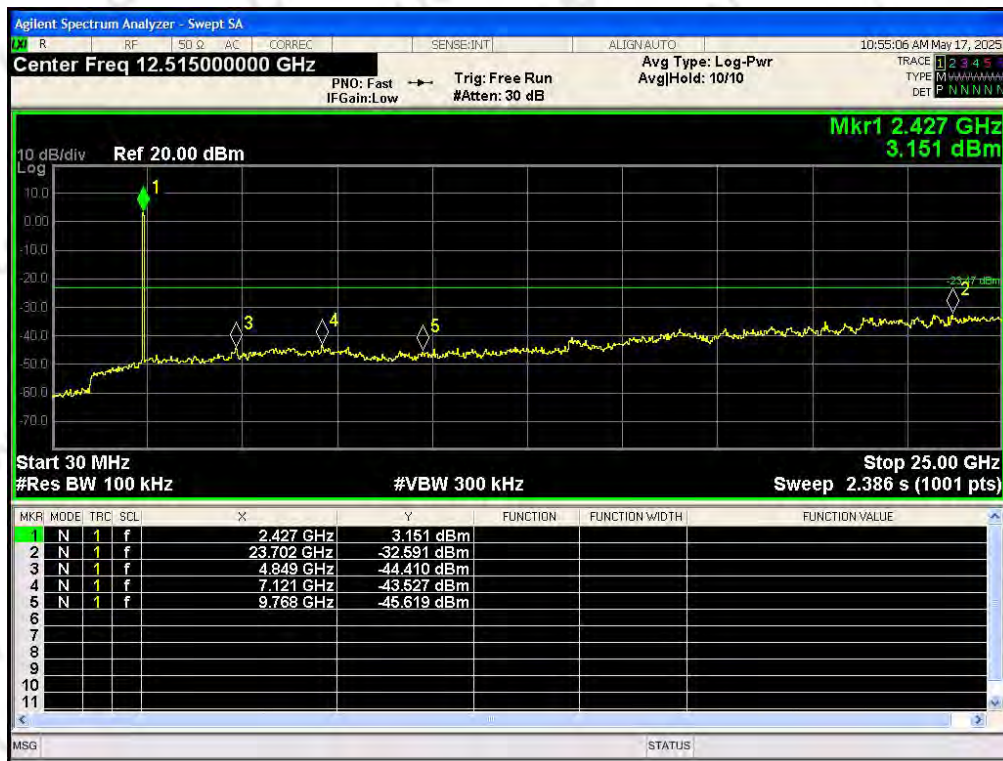
Tx. Spurious MIMO 802.11ax20 2412MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11ax20 2437MHz Ant0&1 Ref



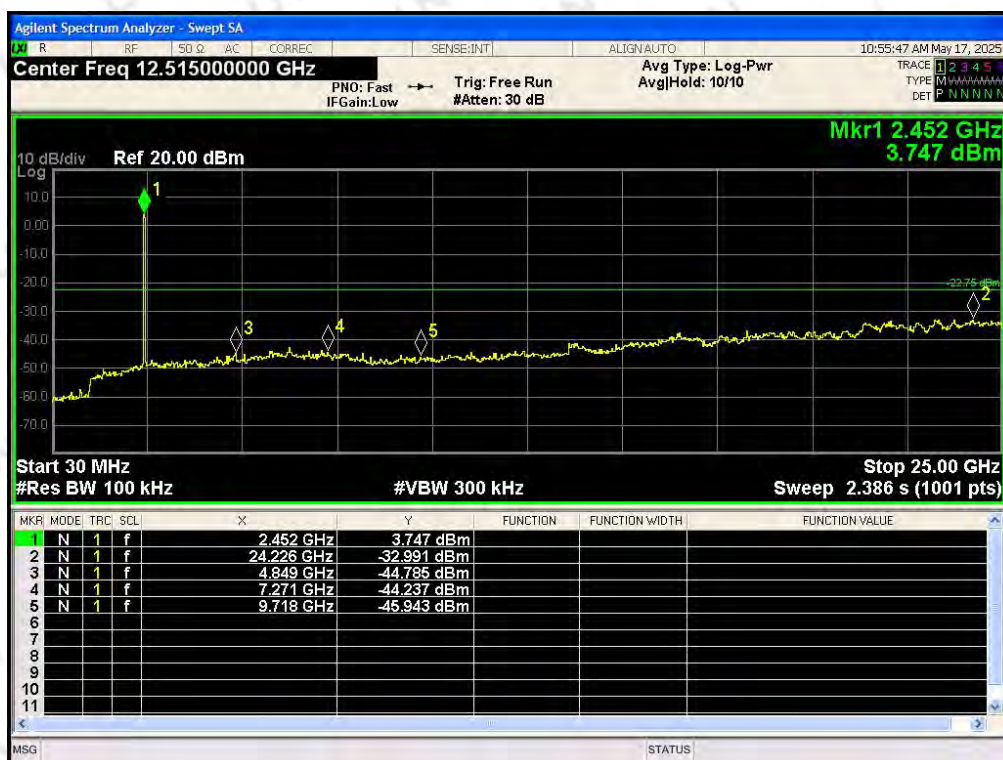
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Tx. Spurious MIMO 802.11ax20 2462MHz Ant0&1 Ref



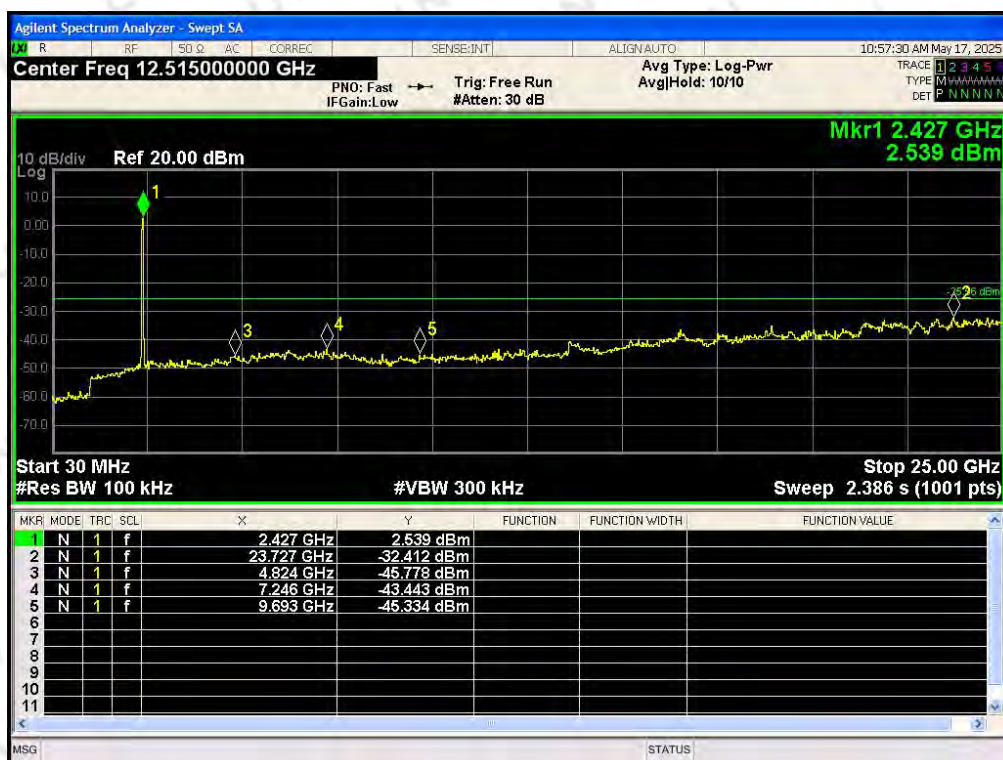
Tx. Spurious MIMO 802.11ax20 2462MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11ax40 2422MHz Ant0&1 Ref



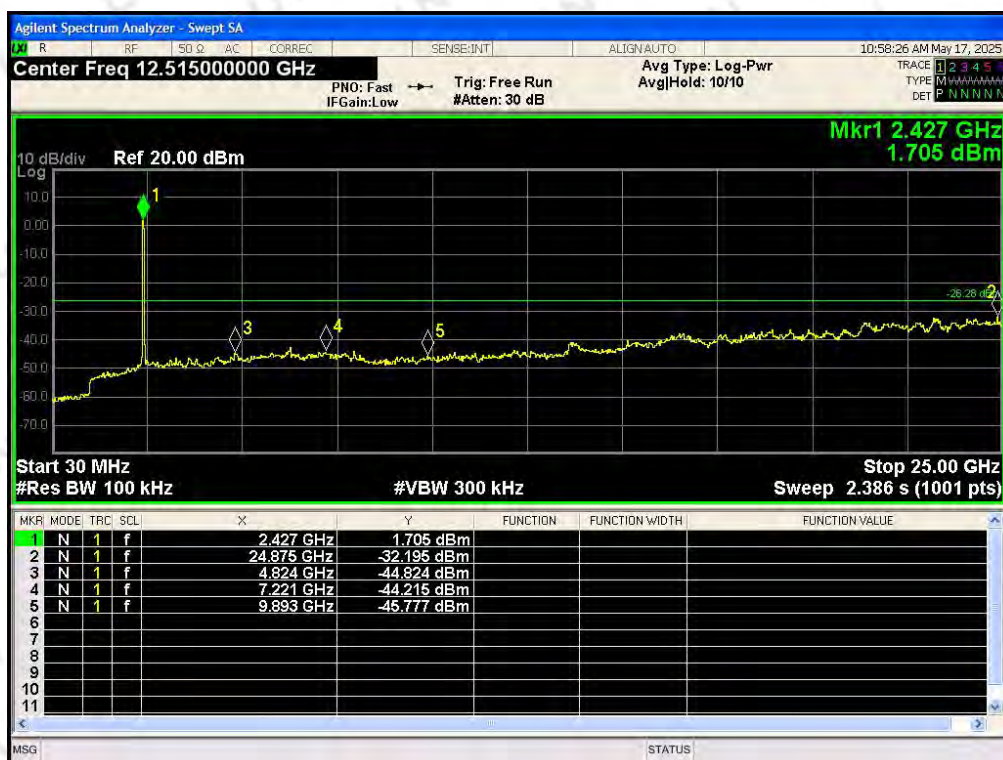
Tx. Spurious MIMO 802.11ax40 2422MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11ax40 2437MHz Ant0&1 Ref



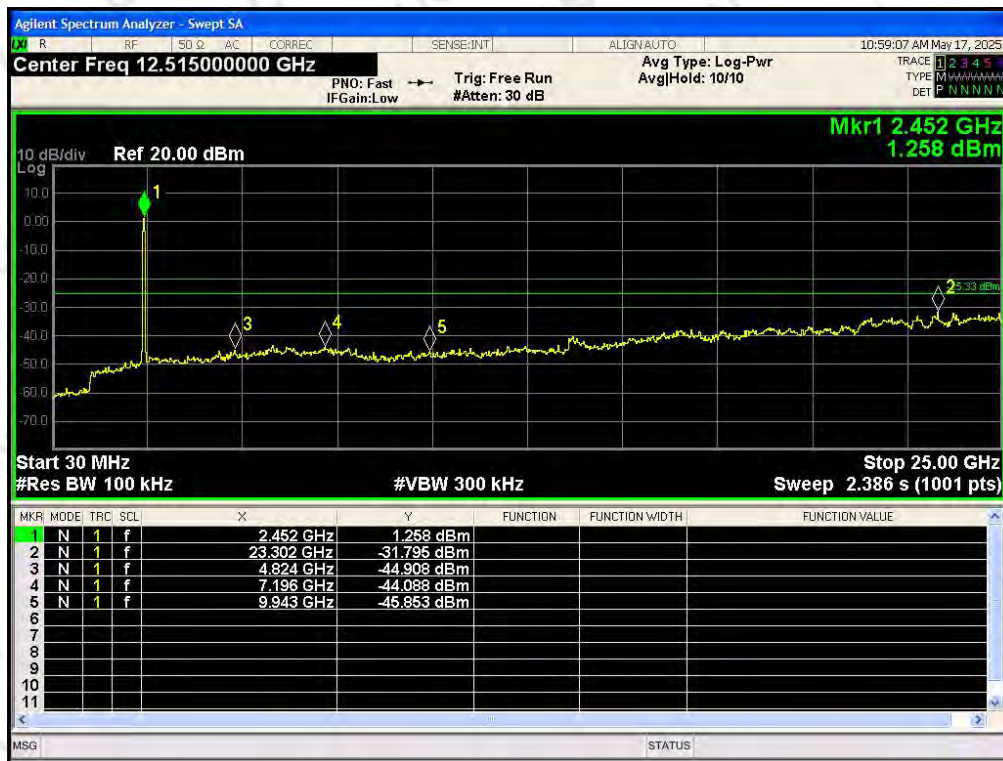
Tx. Spurious MIMO 802.11ax40 2437MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11ax40 2452MHz Ant0&1 Ref



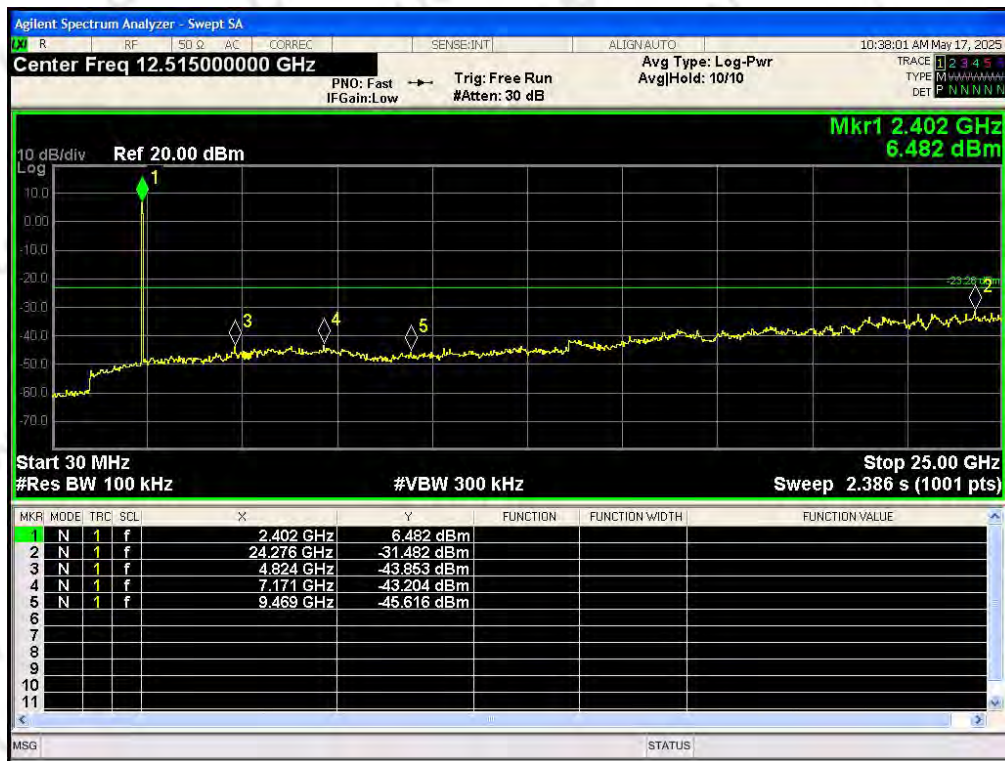
Tx. Spurious MIMO 802.11ax40 2452MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11b 2412MHz Ant0&1 Ref



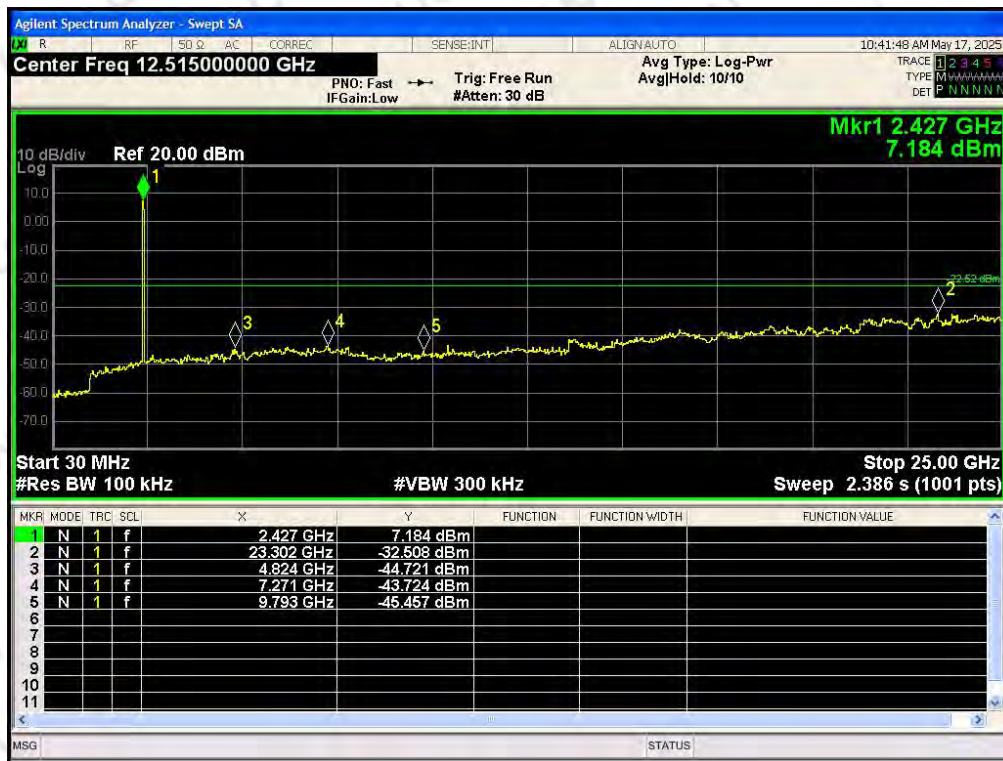
Tx. Spurious MIMO 802.11b 2412MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11b 2437MHz Ant0&1 Ref



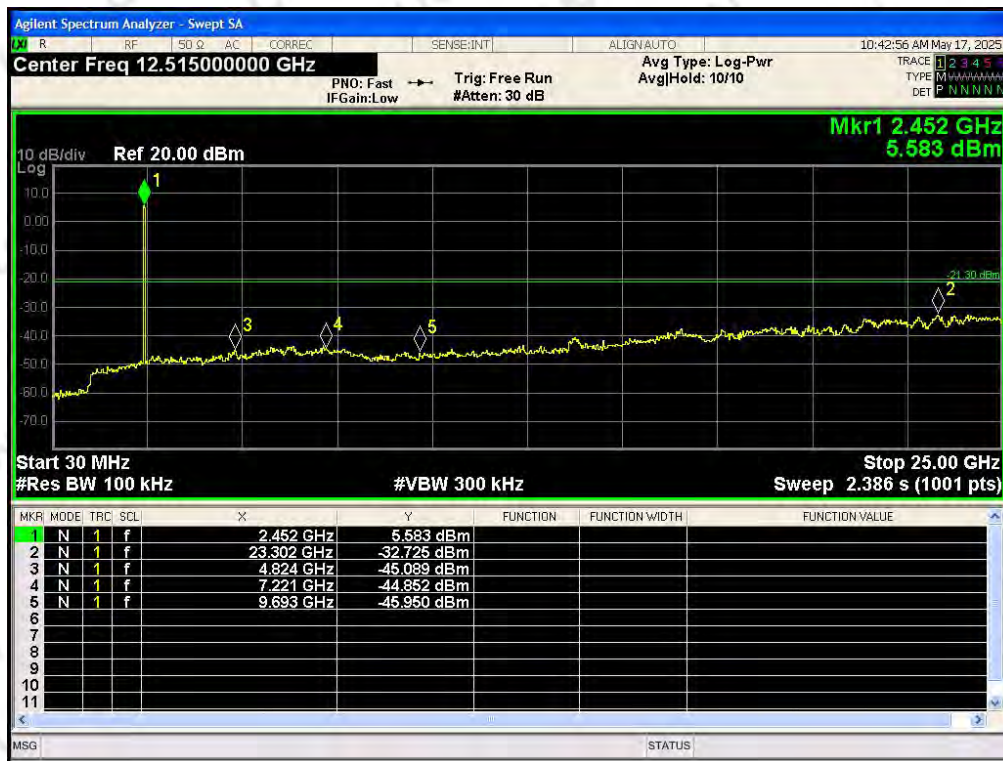
Tx. Spurious MIMO 802.11b 2437MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11b 2462MHz Ant0&1 Ref



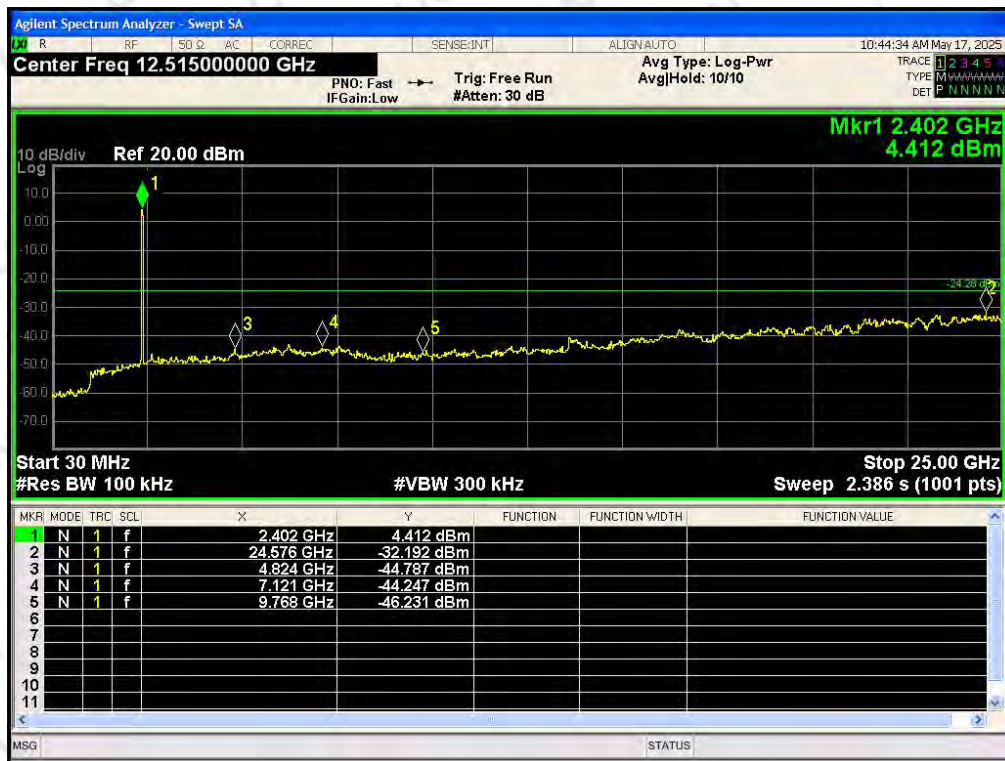
Tx. Spurious MIMO 802.11b 2462MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11g 2412MHz Ant0&1 Ref



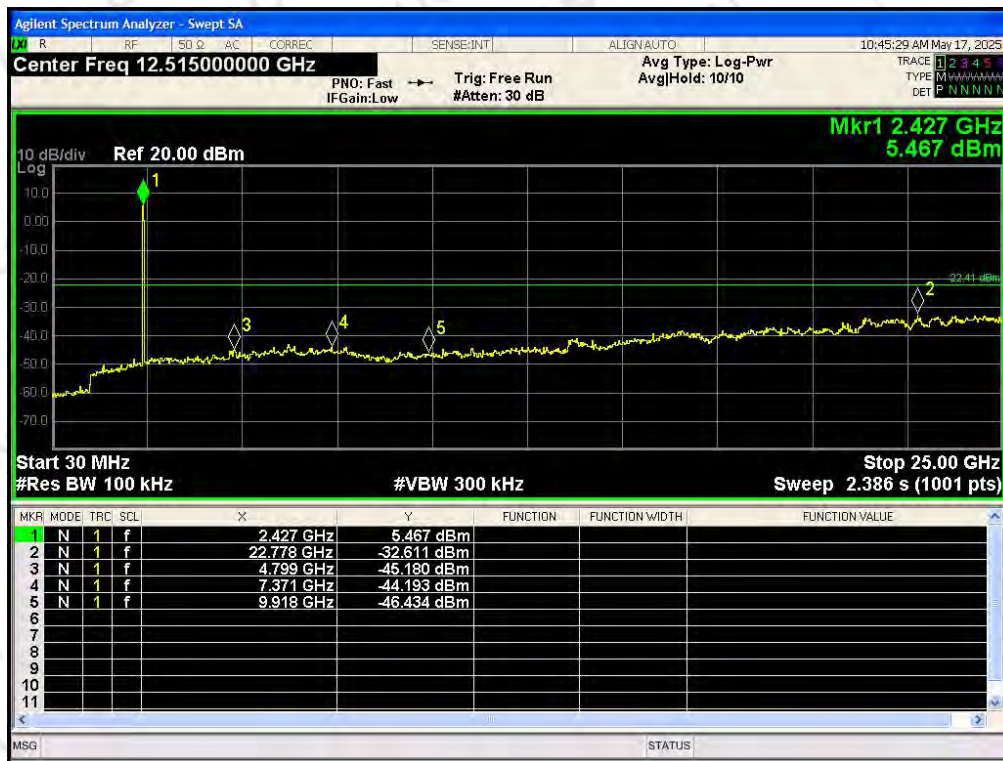
Tx. Spurious MIMO 802.11g 2412MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11g 2437MHz Ant0&1 Ref



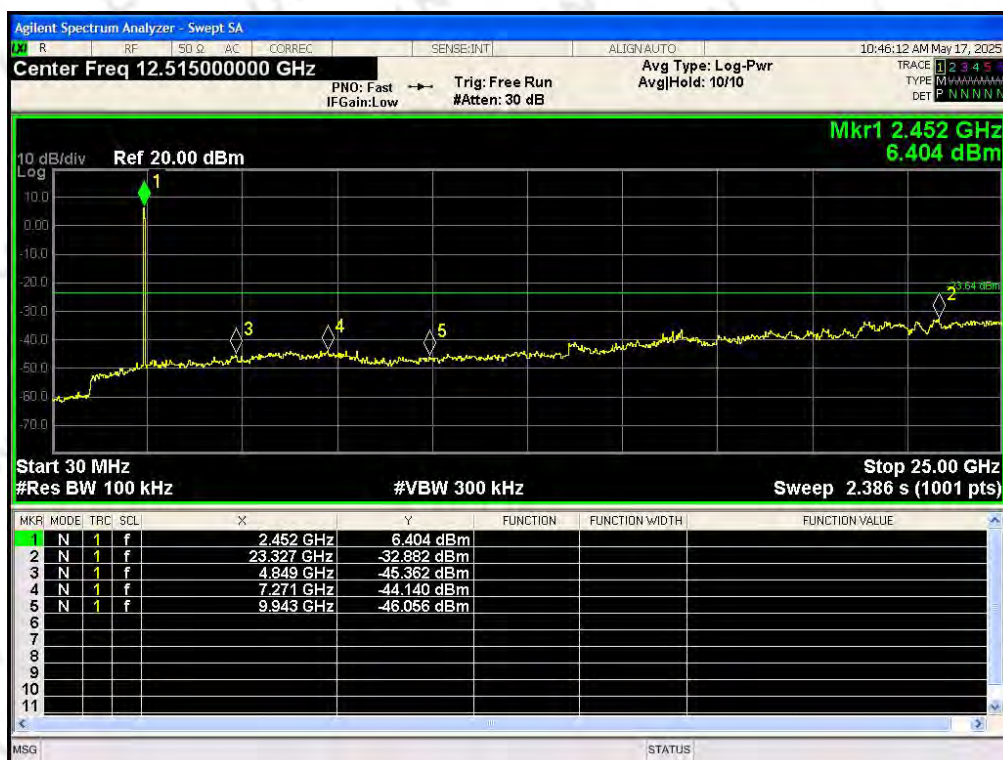
Tx. Spurious MIMO 802.11g 2437MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11g 2462MHz Ant0&1 Ref



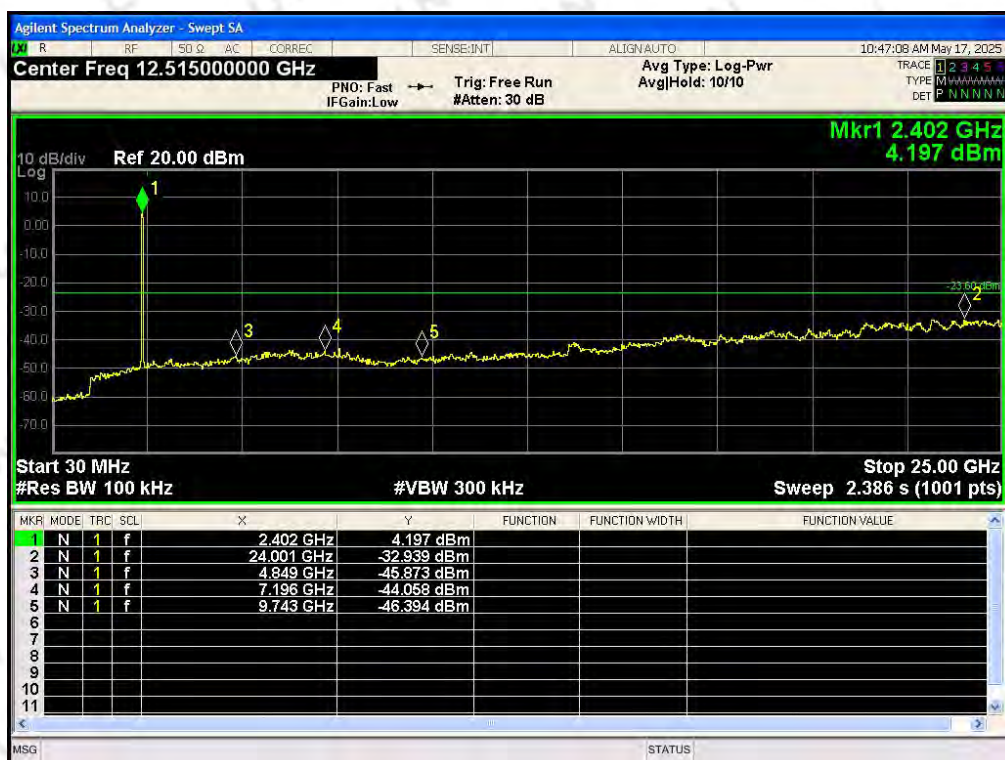
Tx. Spurious MIMO 802.11g 2462MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT20) 2412MHz Ant0&1 Ref



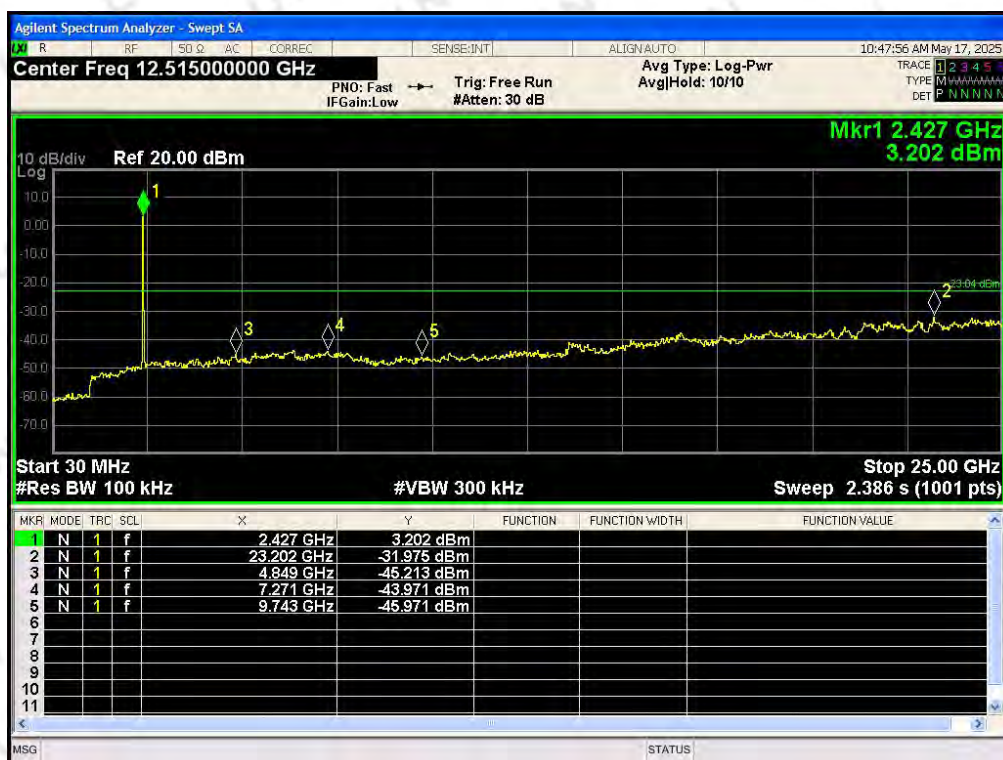
Tx. Spurious MIMO 802.11n(HT20) 2412MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT20) 2437MHz Ant0&1 Ref



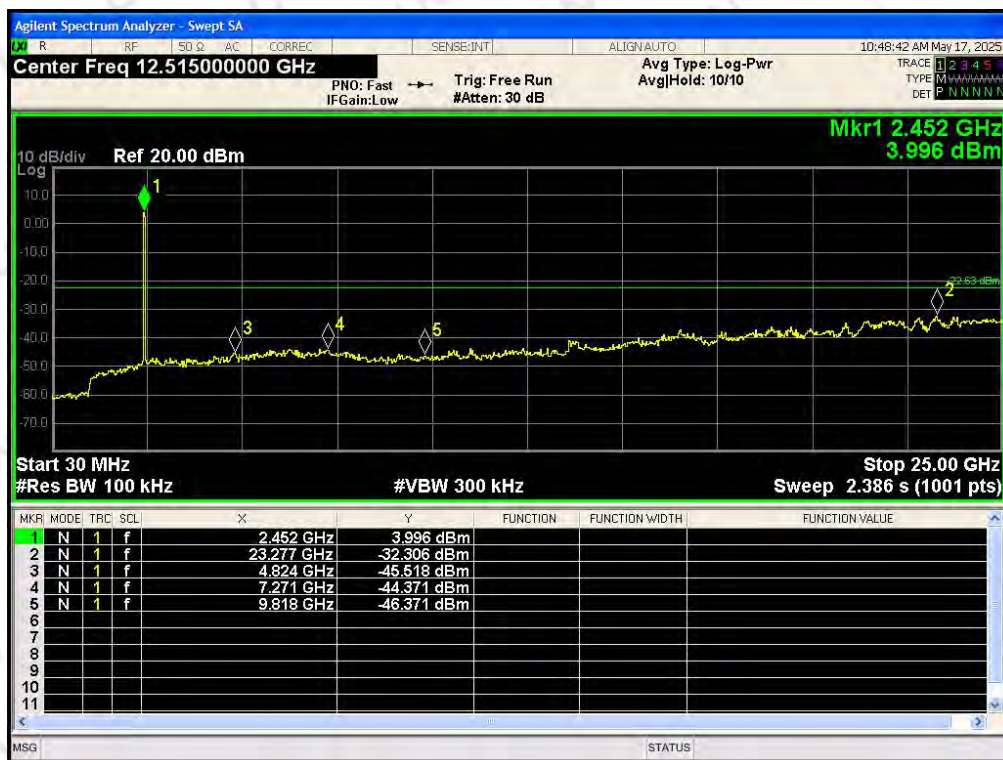
Tx. Spurious MIMO 802.11n(HT20) 2437MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT20) 2462MHz Ant0&1 Ref



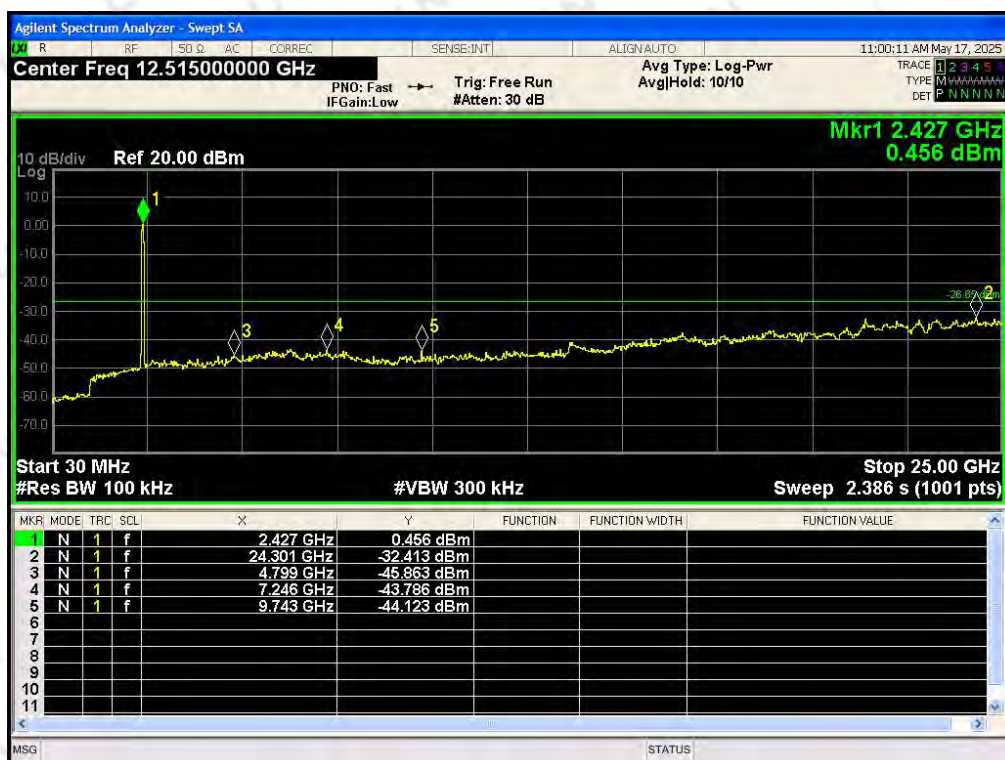
Tx. Spurious MIMO 802.11n(HT20) 2462MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT40) 2422MHz Ant0&1 Ref



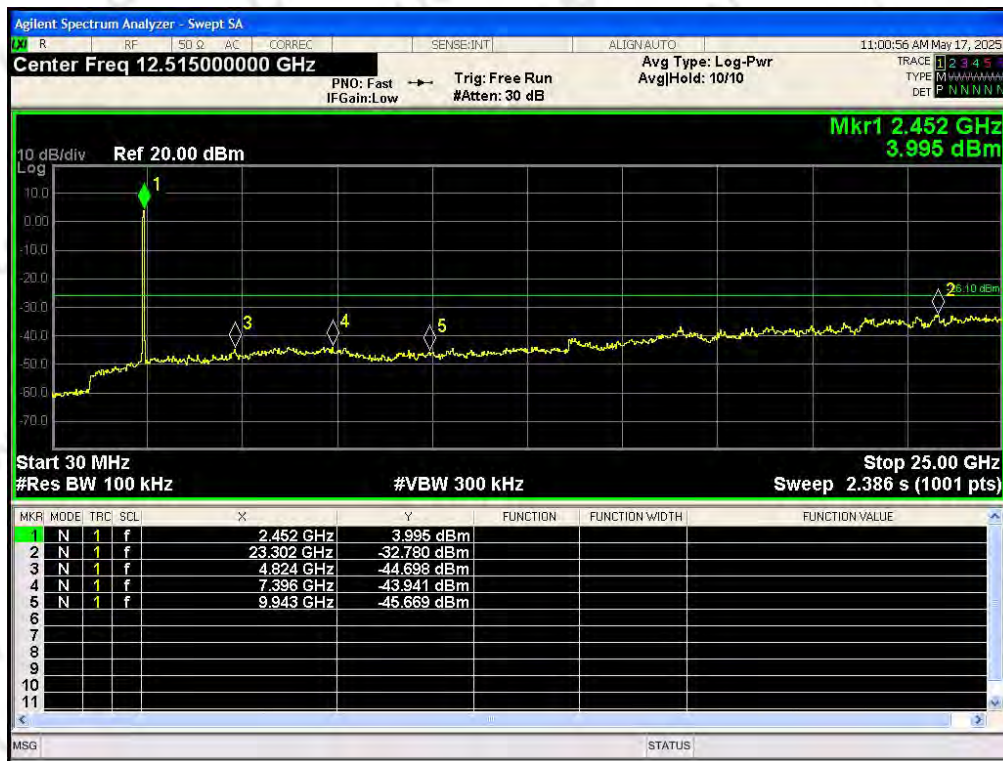
Tx. Spurious MIMO 802.11n(HT40) 2422MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT40) 2437MHz Ant0&1 Ref



Tx. Spurious MIMO 802.11n(HT40) 2437MHz Ant0&1 Emission



Tx. Spurious MIMO 802.11n(HT40) 2452MHz Ant0&1 Ref



Tx. Spurious MIMO 802.11n(HT40) 2452MHz Ant0&1 Emission

