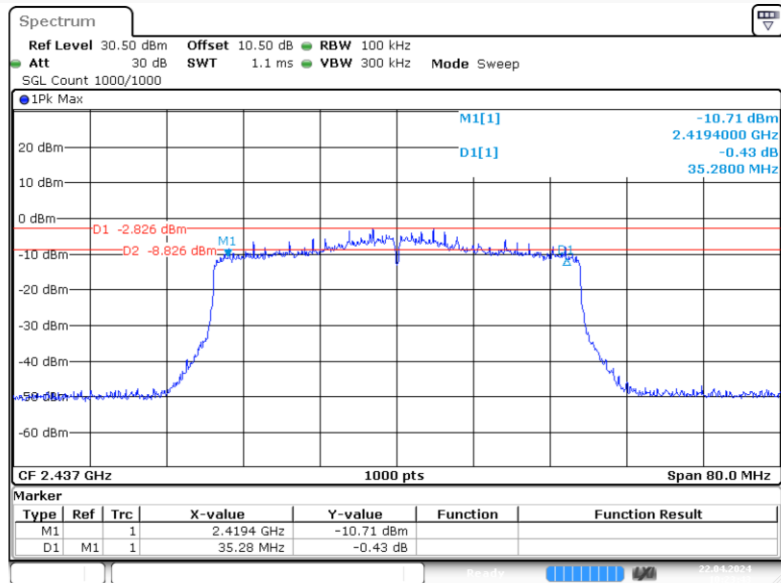
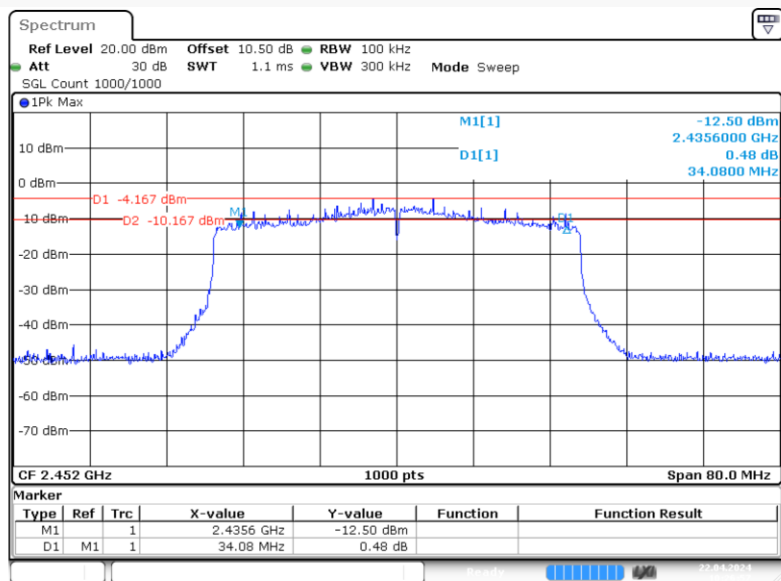
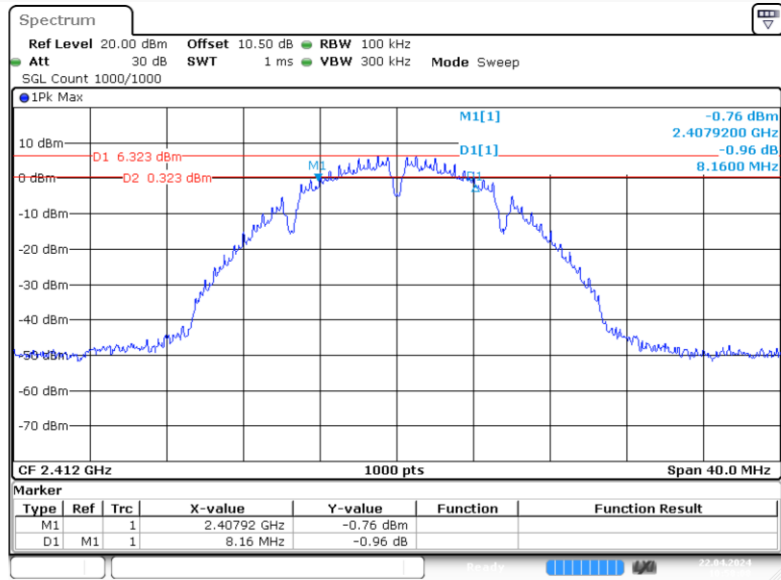


802.11ax-HEW40 Mode Middle Channel

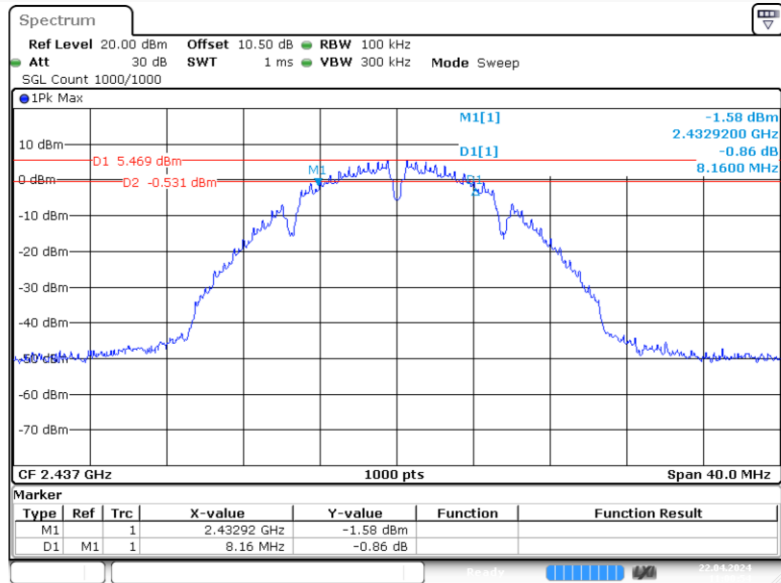


802.11ax-HEW40 Mode High Channel



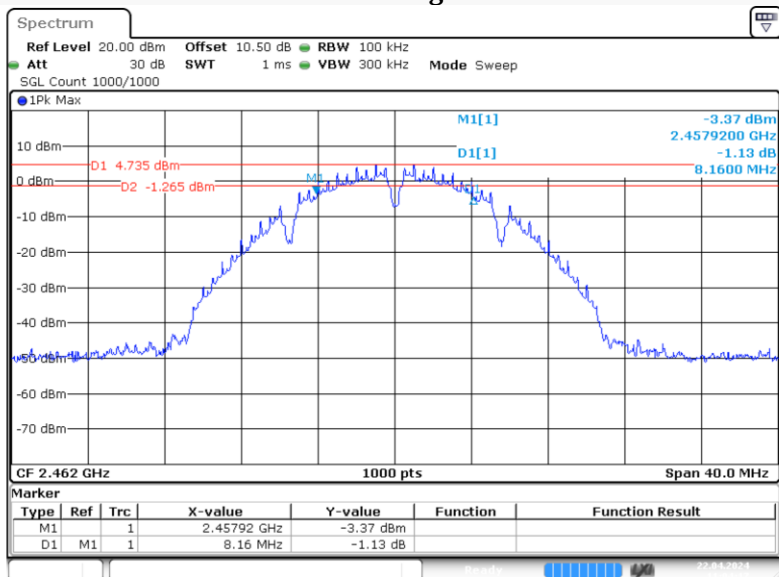
Chain 1:**802.11b Mode Low Channel**

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 22 APR 2024 10:58:09

802.11b Mode Middle Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 22 APR 2024 11:00:54

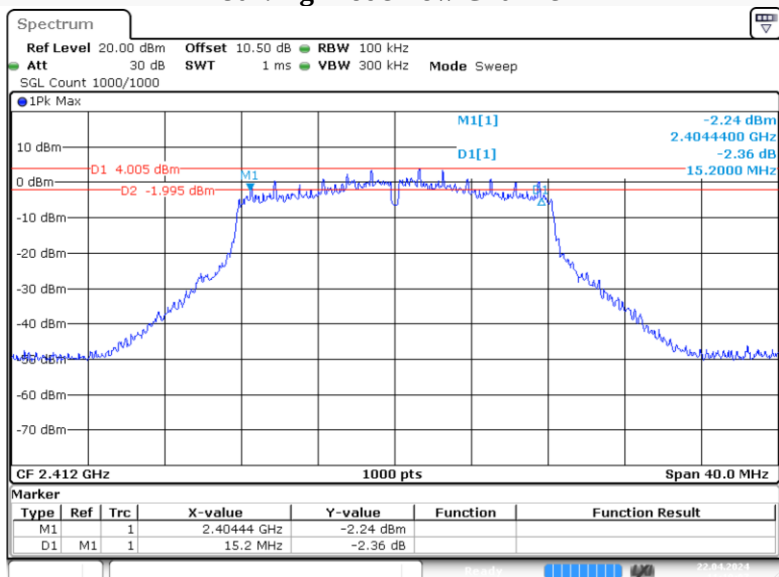
802.11b Mode High Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 11:04:17

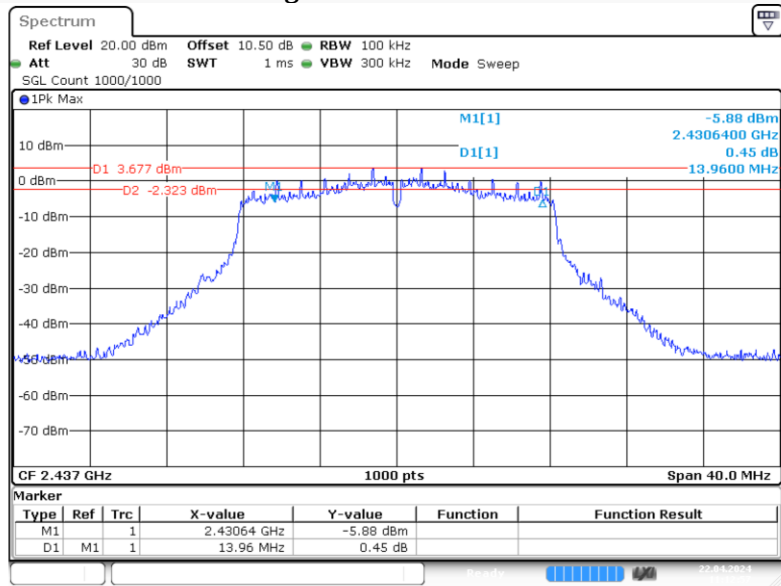
802.11g Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 11:10:07

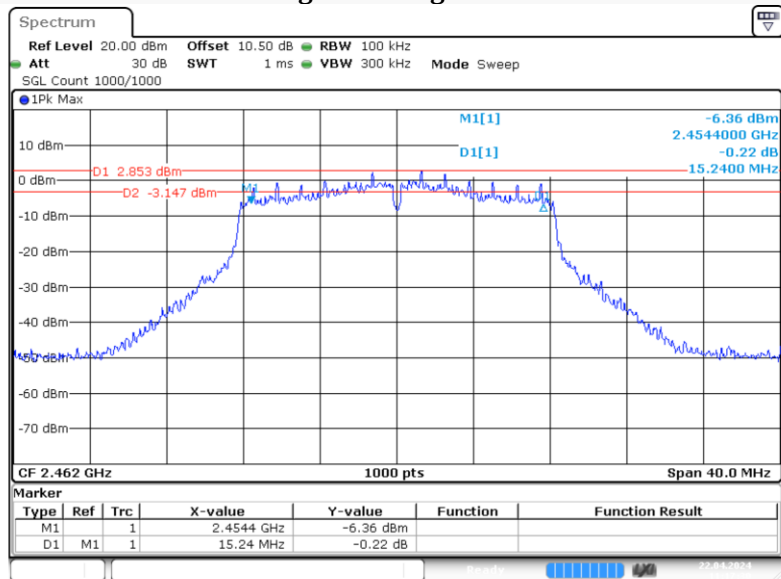
802.11g Mode Middle Channel



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22 APR 2024 11:12:58

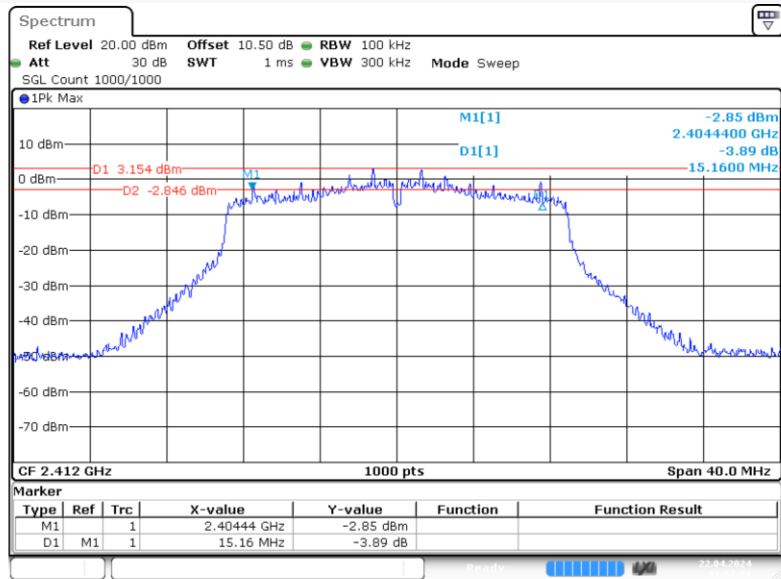
802.11g Mode High Channel



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22 APR 2024 11:17:30

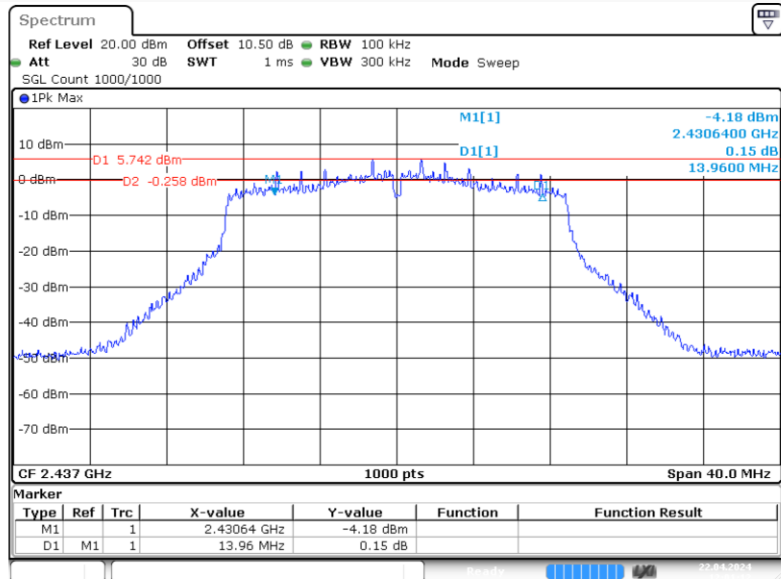
802.11n-HT20 Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 11:57:21

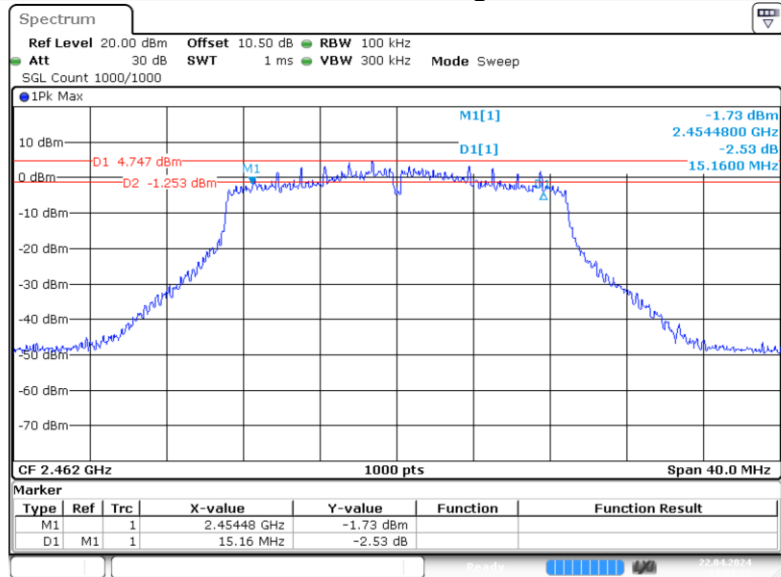
802.11n-HT20 Mode Middle Channel



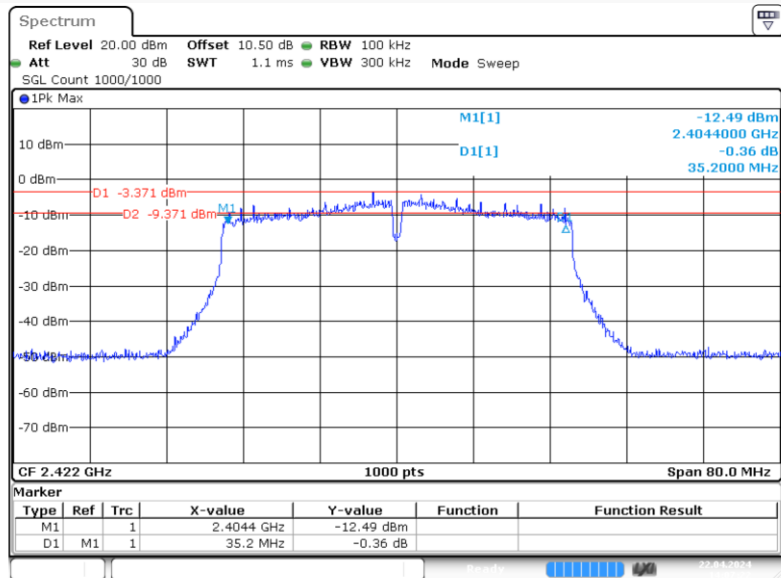
ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 12:01:13

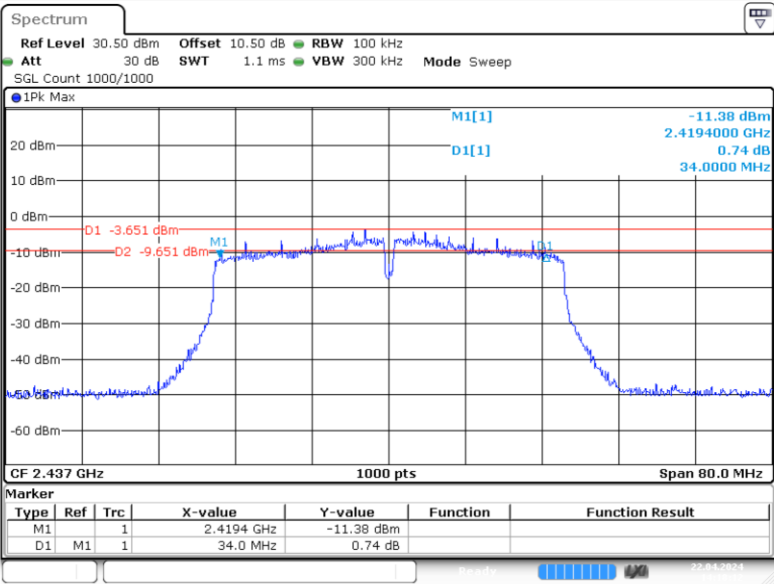
802.11n-HT20 Mode High Channel



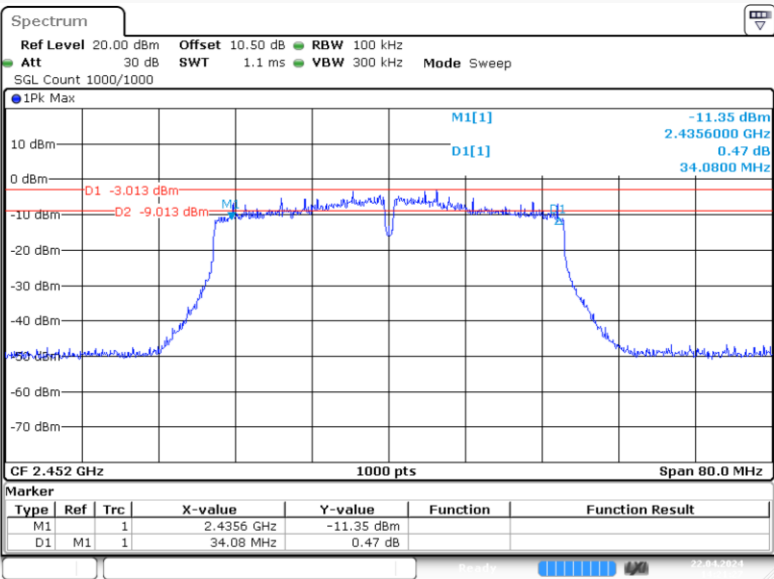
802.11n-HT40 Mode Low Channel



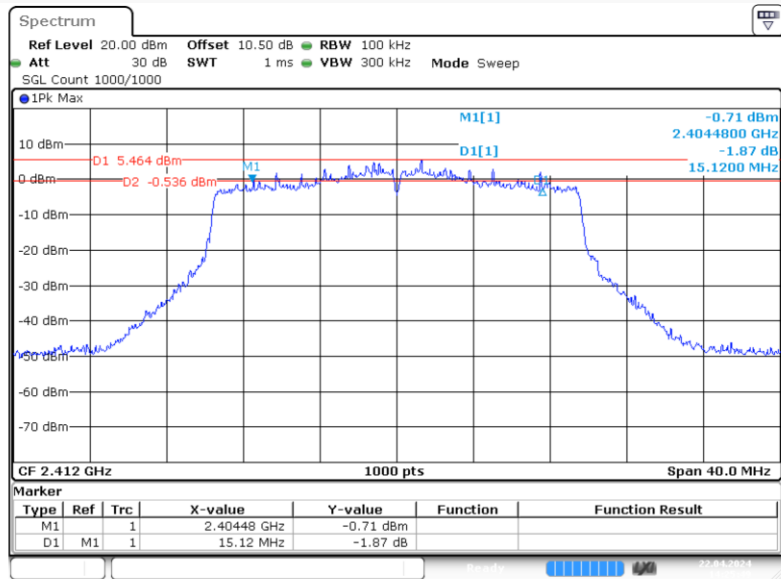
802.11n-HT40 Mode Middle Channel



802.11n-HT40 Mode High Channel



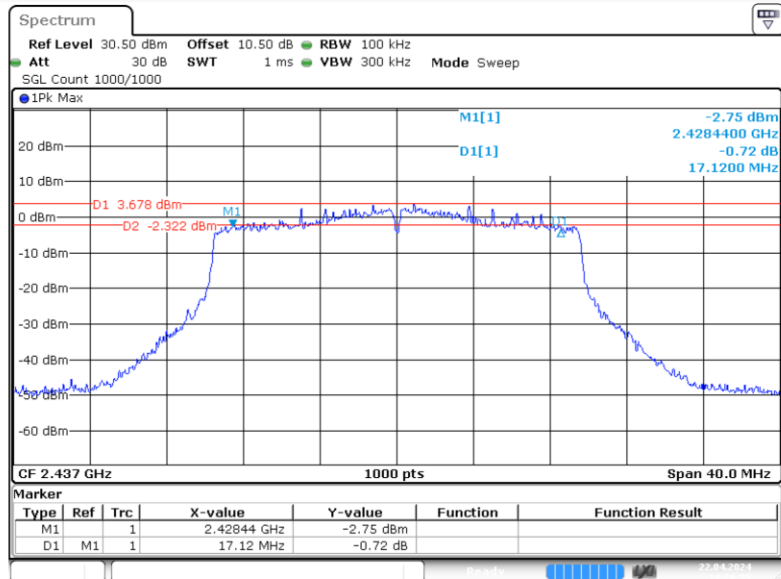
802.11ax-HEW20 Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:25:49

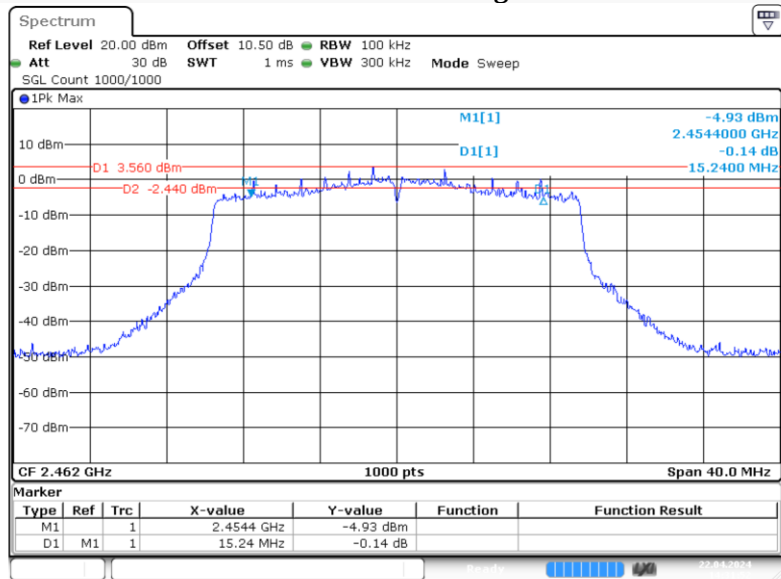
802.11ax-HEW20 Mode Middle Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:28:54

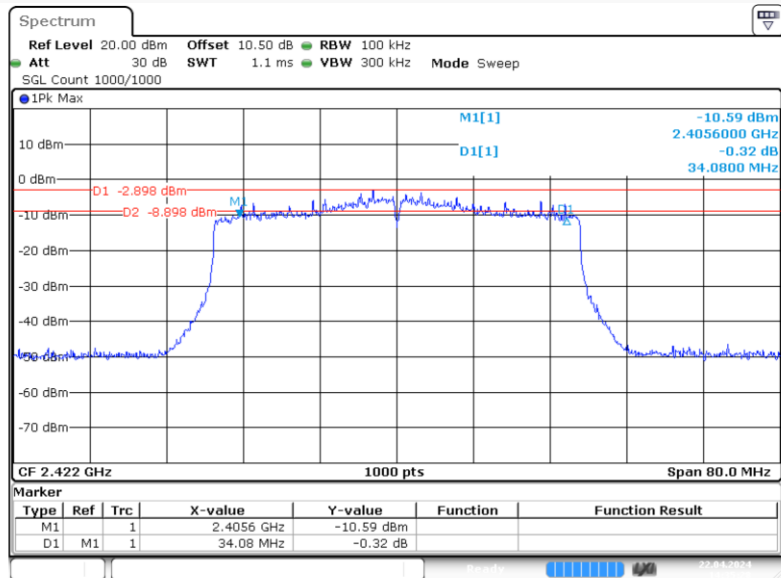
802.11ax-HEW20 Mode High Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:31:52

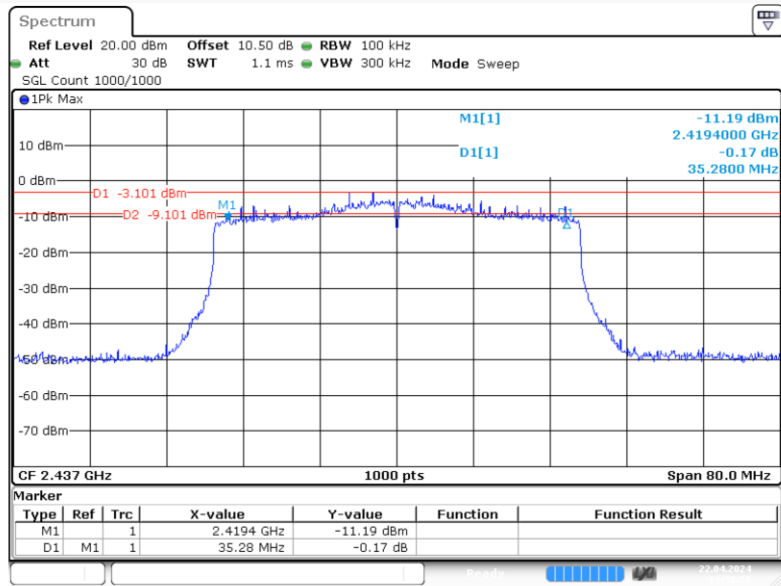
802.11ax-HEW40 Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:35:28

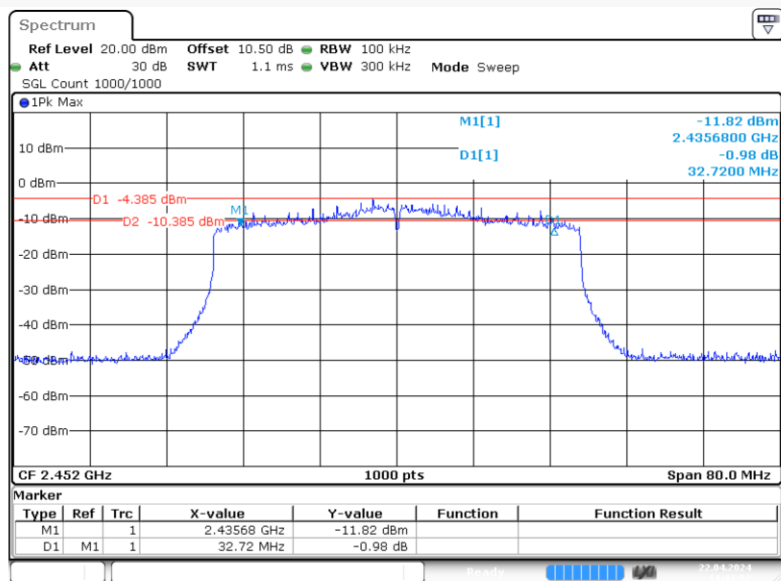
802.11ax-HEW40 Mode Middle Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:38:27

802.11ax-HEW40 Mode High Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

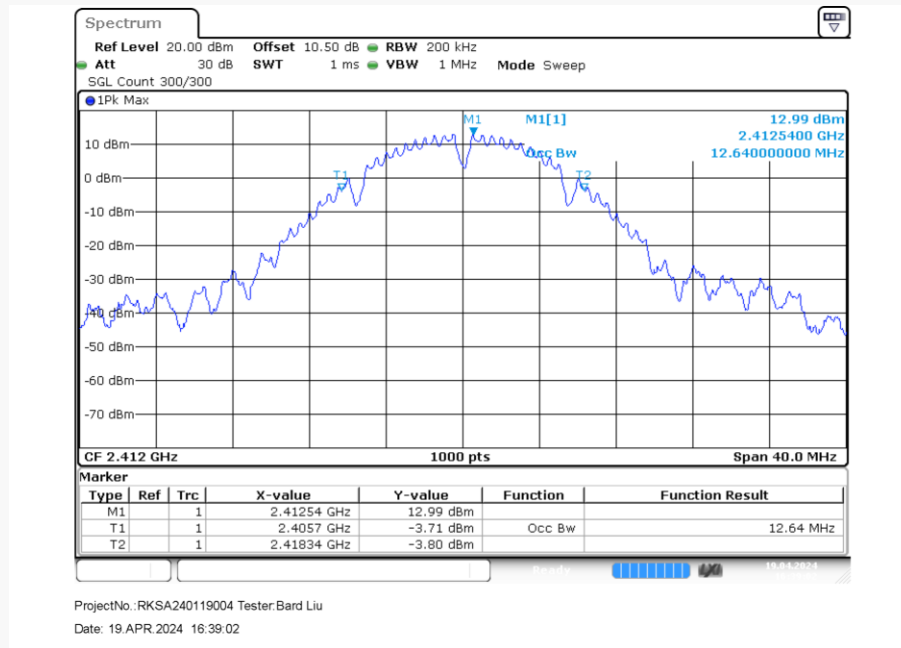
Date: 22 APR 2024 14:41:53

OCCUPIED BANDWIDTH*EUT operation mode: Transmitting***For Wi-Fi Mode:**

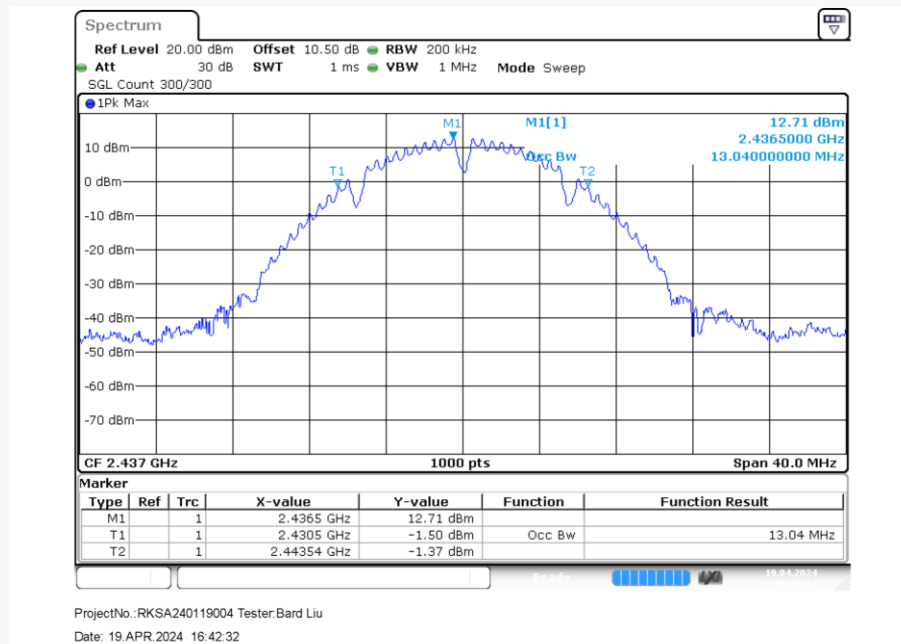
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
802.11b Mode			
Low	2412	12.640	13.080
Middle	2437	13.040	13.080
High	2462	13.080	13.120
802.11g Mode			
Low	2412	16.200	16.280
Middle	2437	16.240	16.240
High	2462	16.240	16.240
802.11n-HT20 mode			
Low	2412	17.440	17.480
Middle	2437	17.440	17.480
High	2462	17.440	17.480
802.11n-HT40 mode			
Low	2422	35.760	35.760
Middle	2437	35.760	35.760
High	2452	35.760	35.760
802.11ax-HEW20 mode			
Low	2412	18.800	18.840
Middle	2437	18.840	18.840
High	2462	18.800	18.800
802.11ax-HEW40 mode			
Low	2422	37.520	37.520
Middle	2437	37.440	37.600
High	2452	37.440	37.520

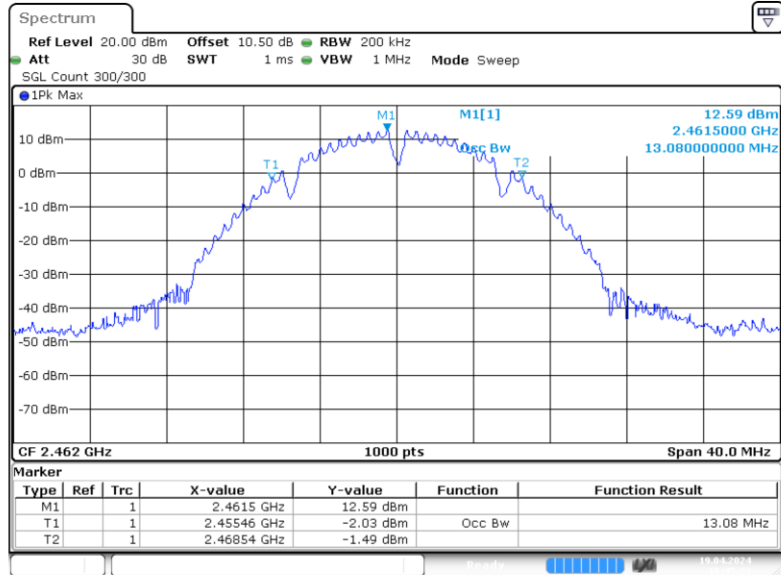
Chain 0:

802.11b Mode Low Channel



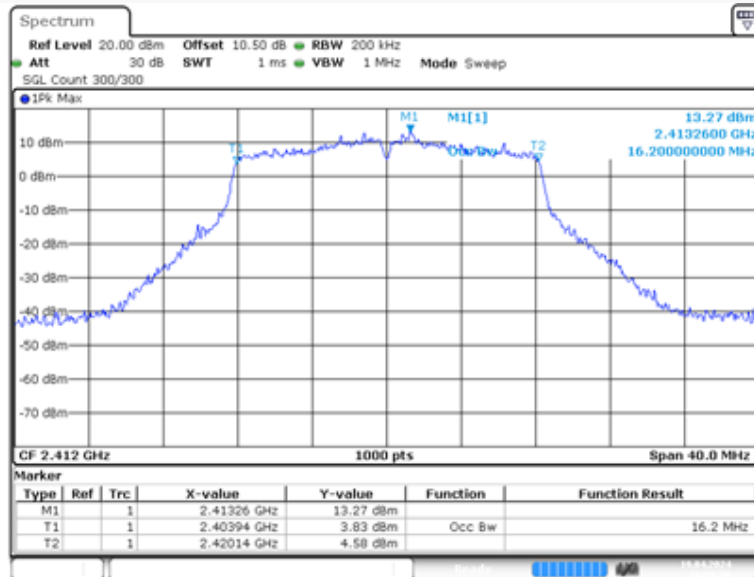
802.11b Mode Middle Channel



802.11b Mode High Channel

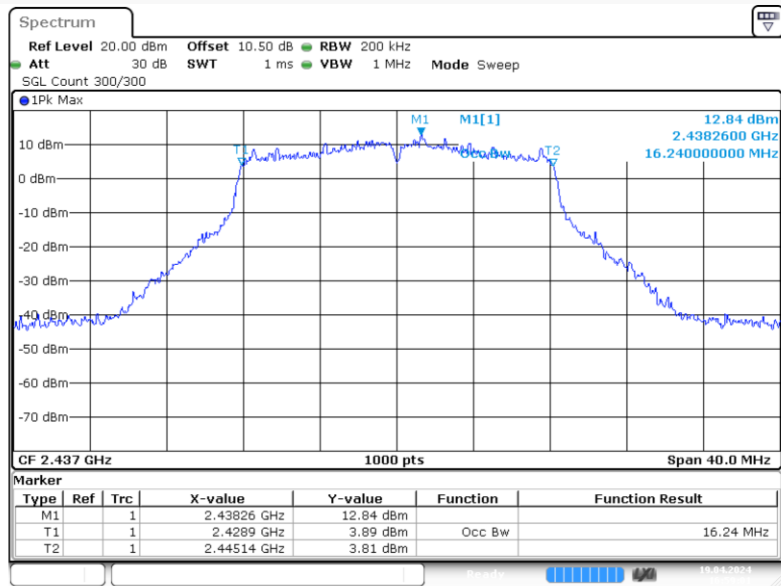
ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 19 APR 2024 16:45:23

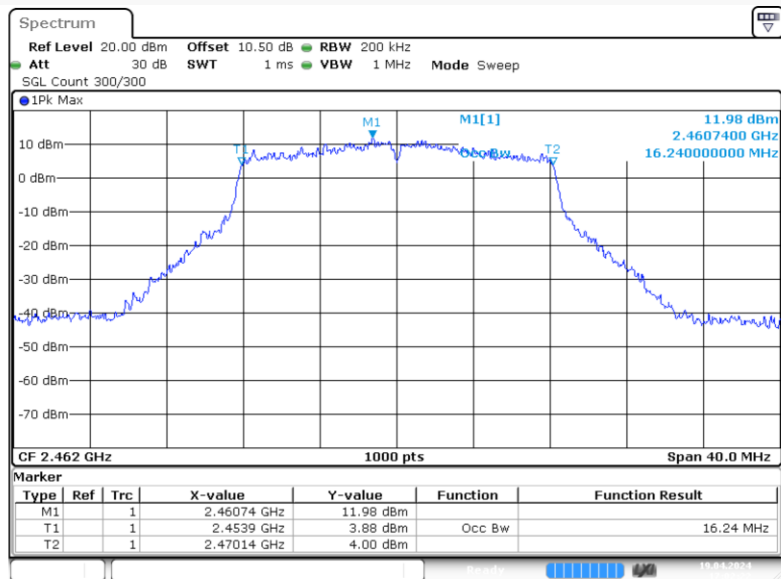
802.11g Mode Low Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 19 APR 2024 16:56:30

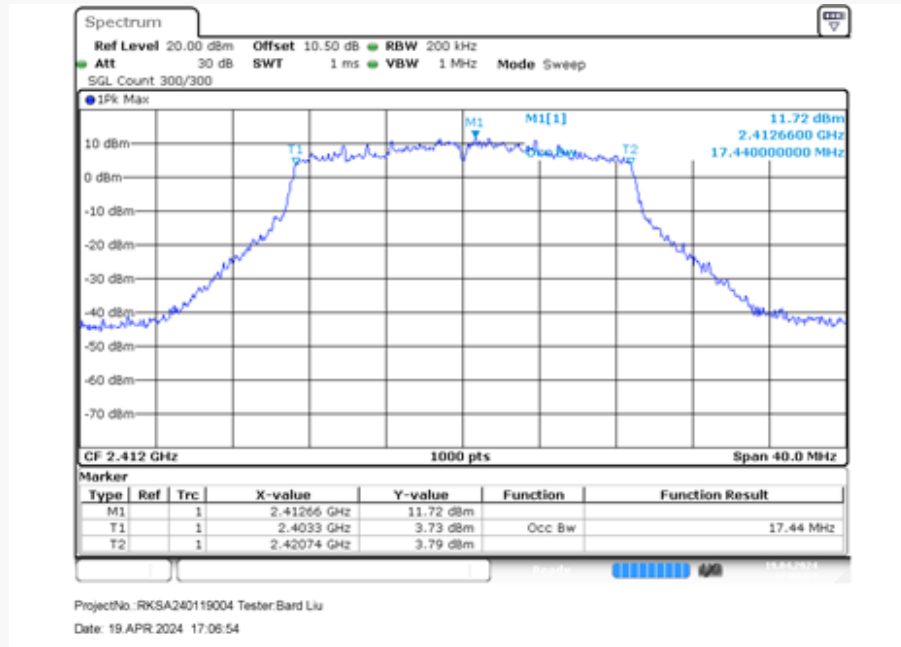
802.11g Mode Middle Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 APR 2024 16:59:02

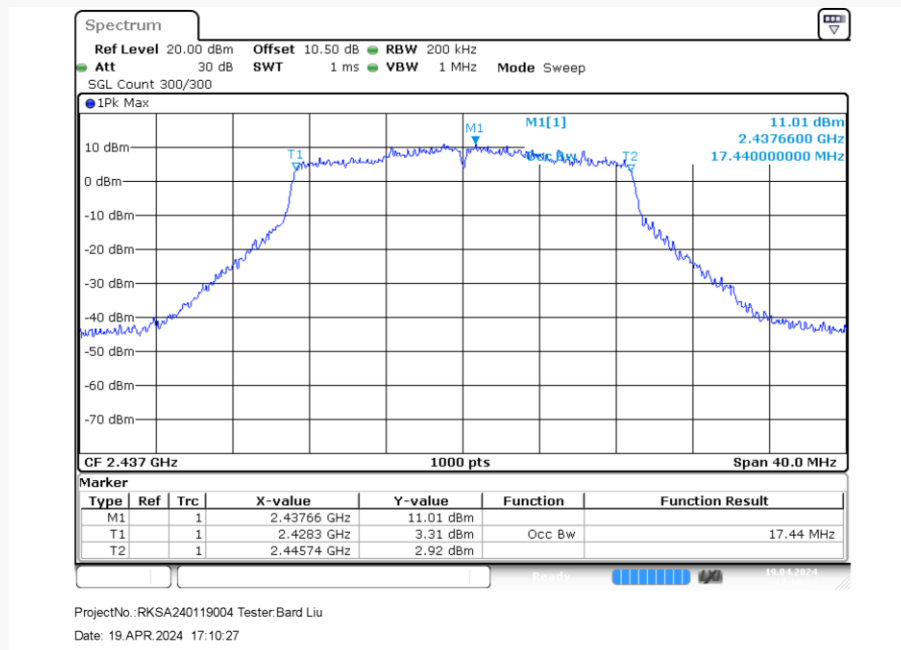
802.11g Mode High Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 APR 2024 17:02:22

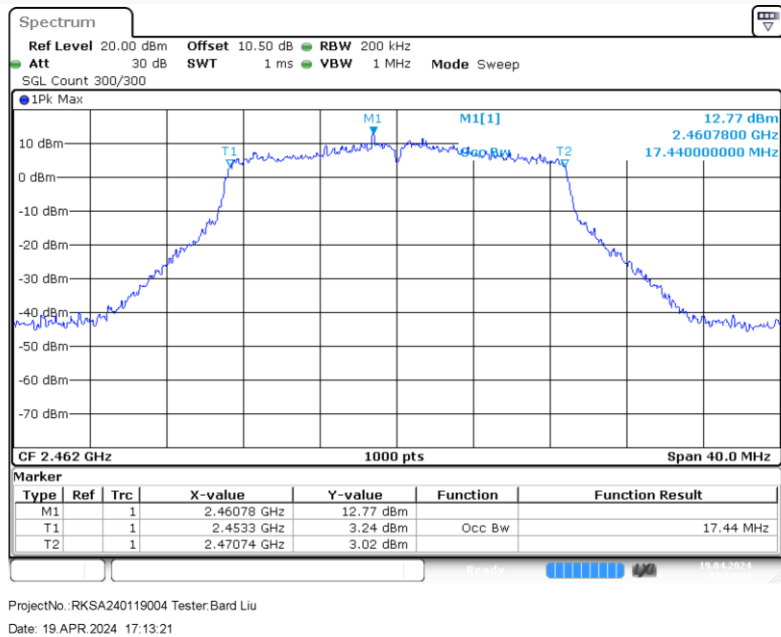
802.11n-HT20 Mode Low Channel



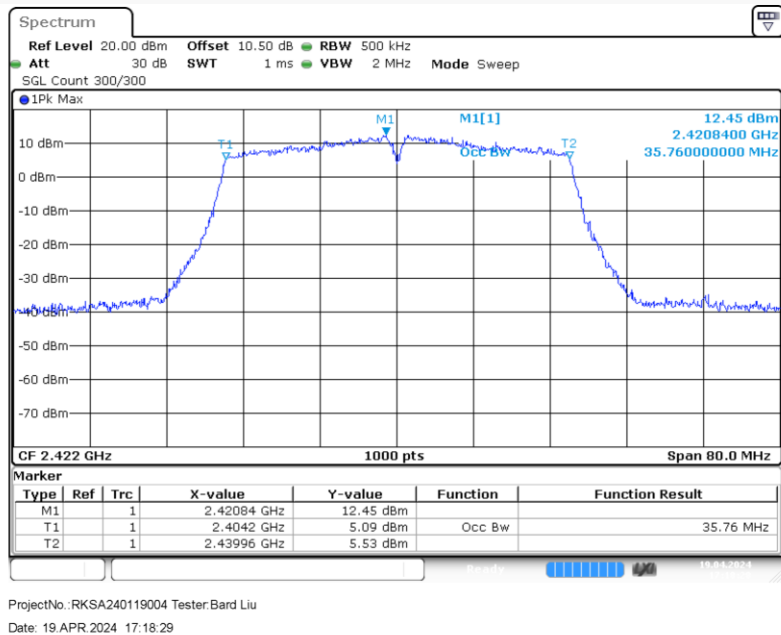
802.11n-HT20 Mode Middle Channel



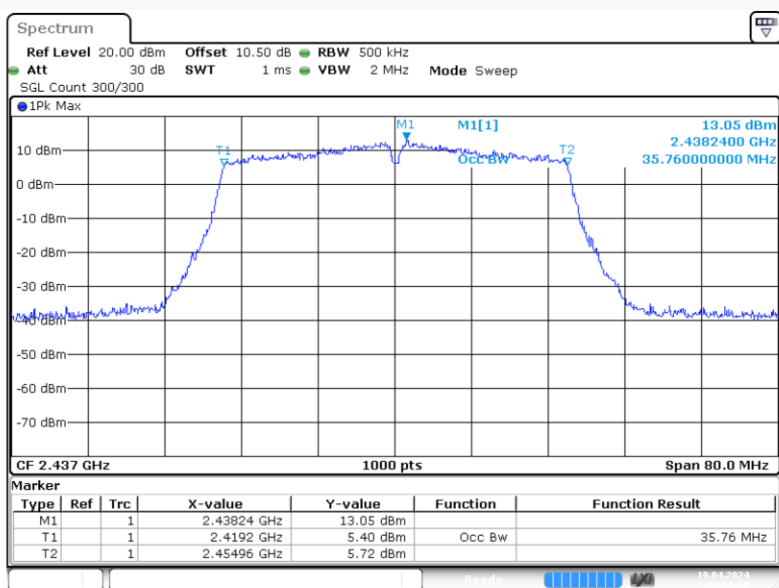
802.11n-HT20 Mode High Channel



802.11n-HT40 Mode Low Channel



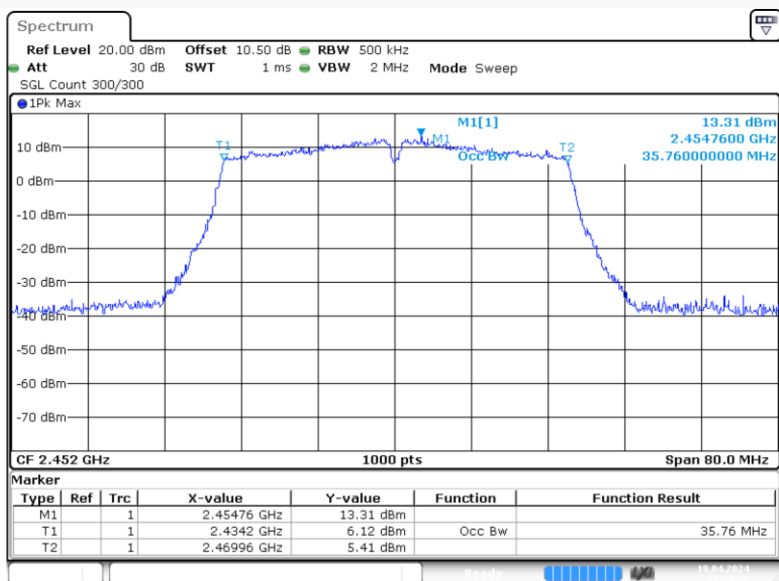
802.11n-HT40 Mode Middle Channel



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 19 APR 2024 17:21:26

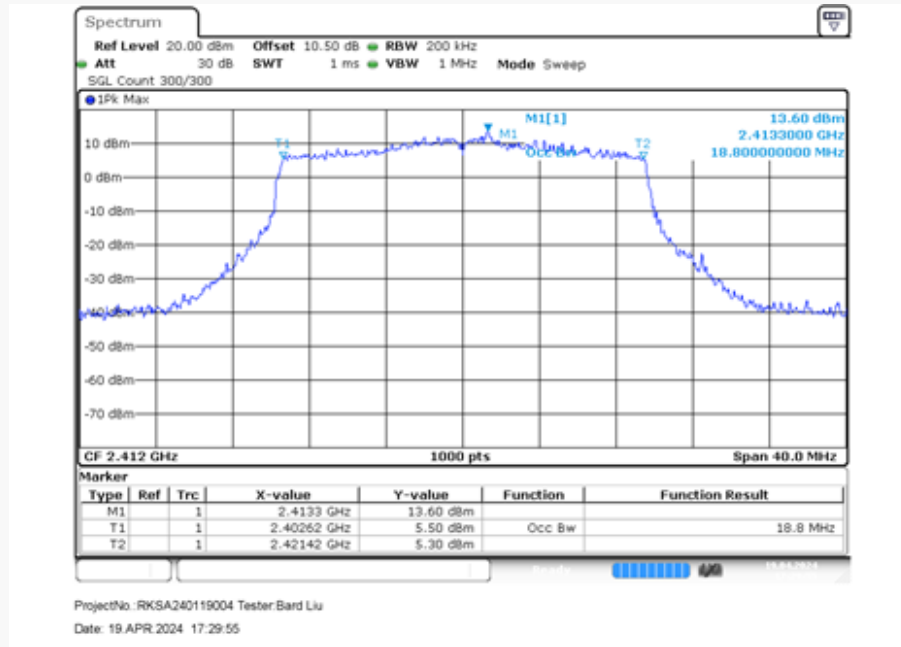
802.11n-HT40 Mode High Channel



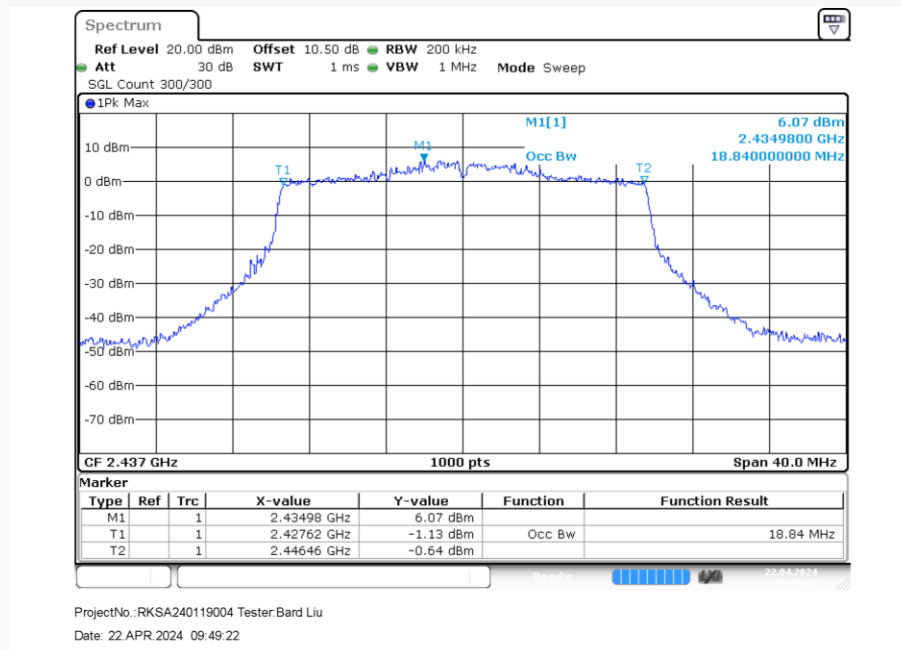
ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 19 APR 2024 17:24:43

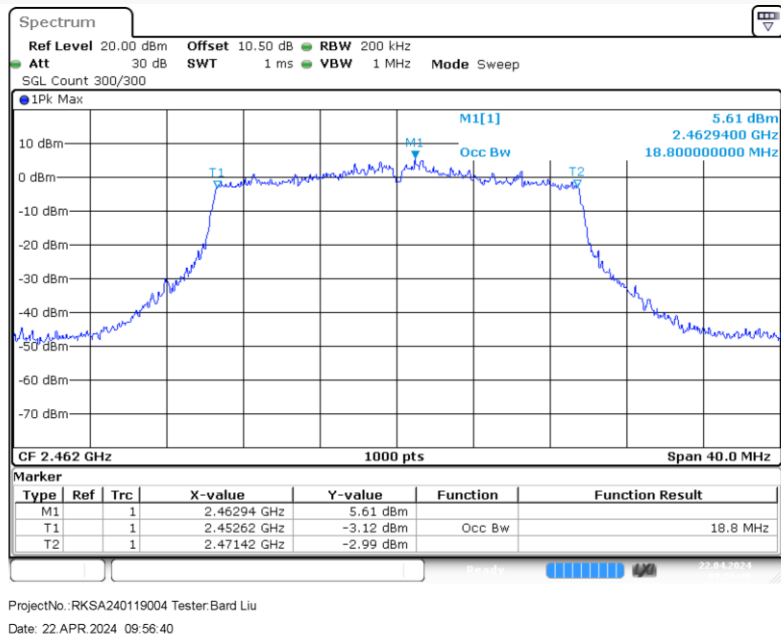
802.11ax-HEW20 Mode Low Channel



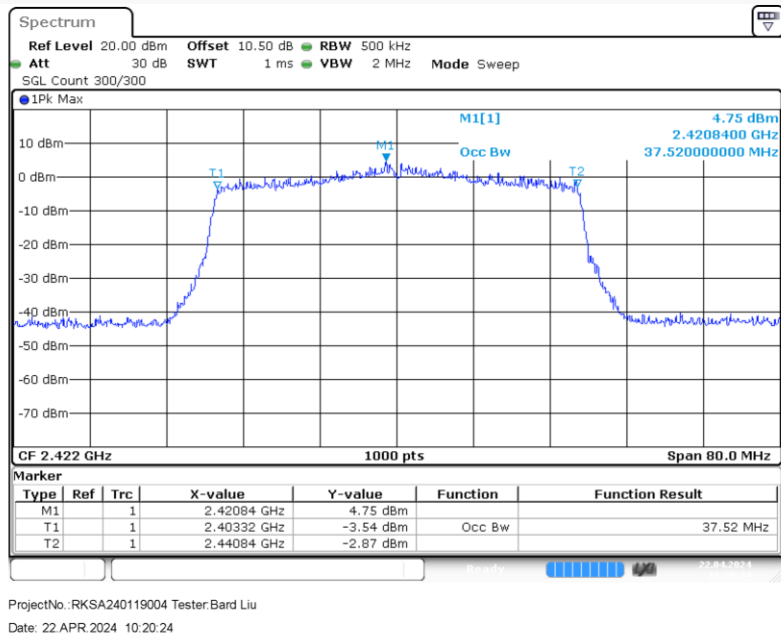
802.11ax-HEW20 Mode Middle Channel



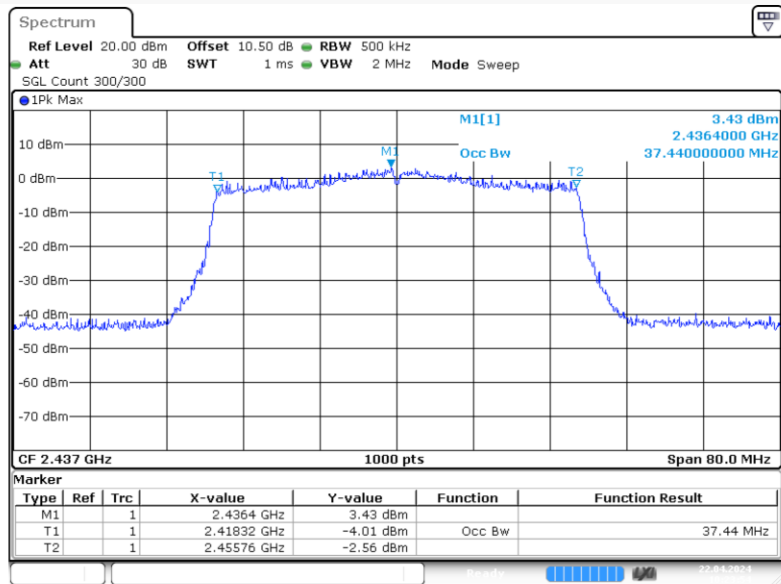
802.11ax-HEW20 Mode High Channel



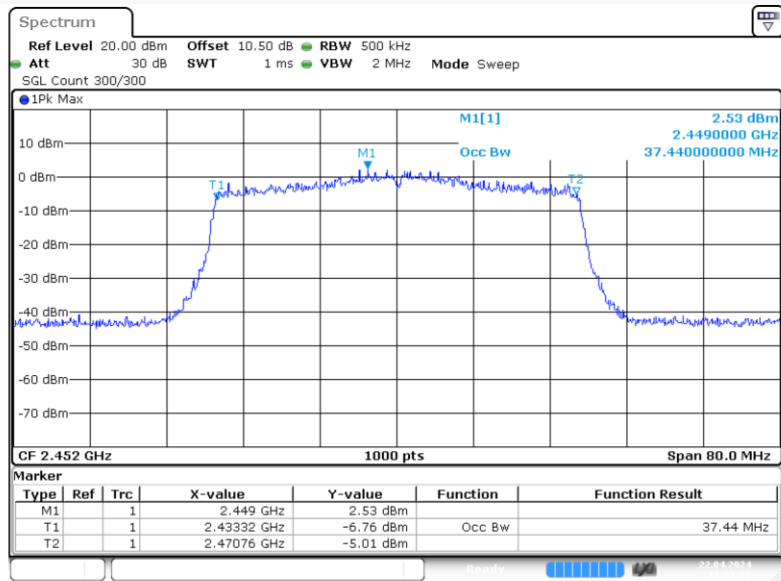
802.11ax-HEW40 Mode Low Channel



802.11ax-HEW40 Mode Middle Channel

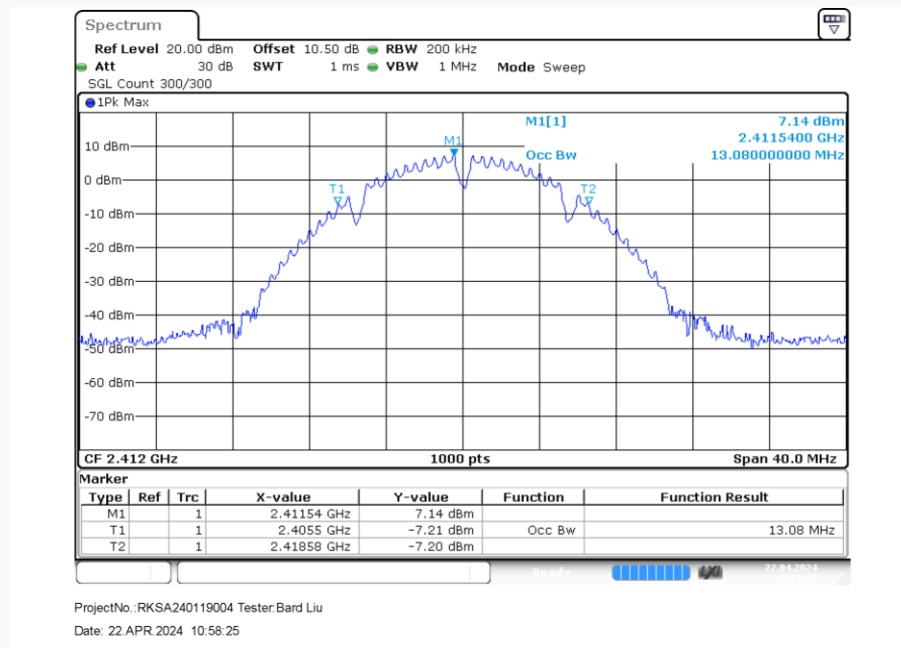


802.11ax-HEW40 Mode High Channel

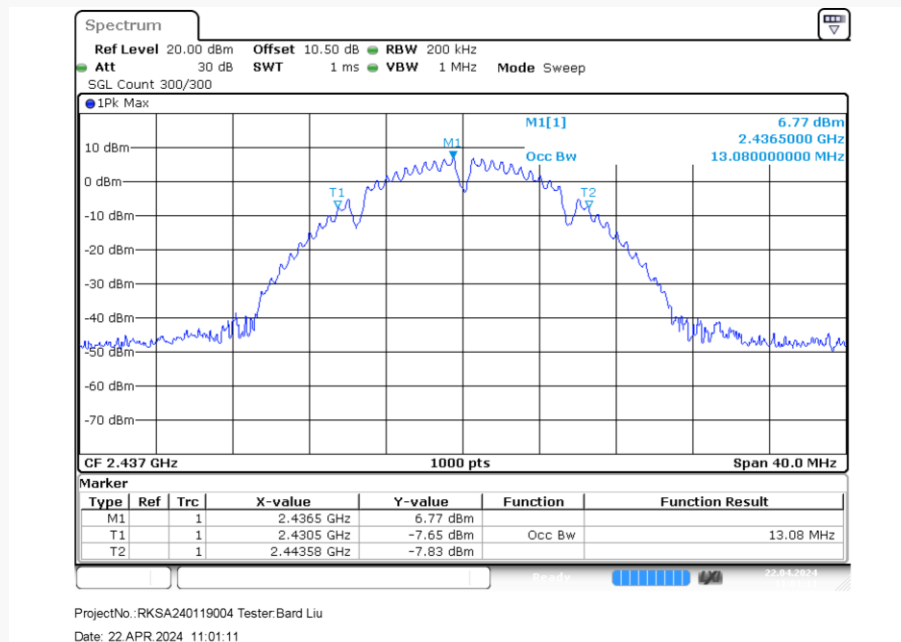


Chain 1:

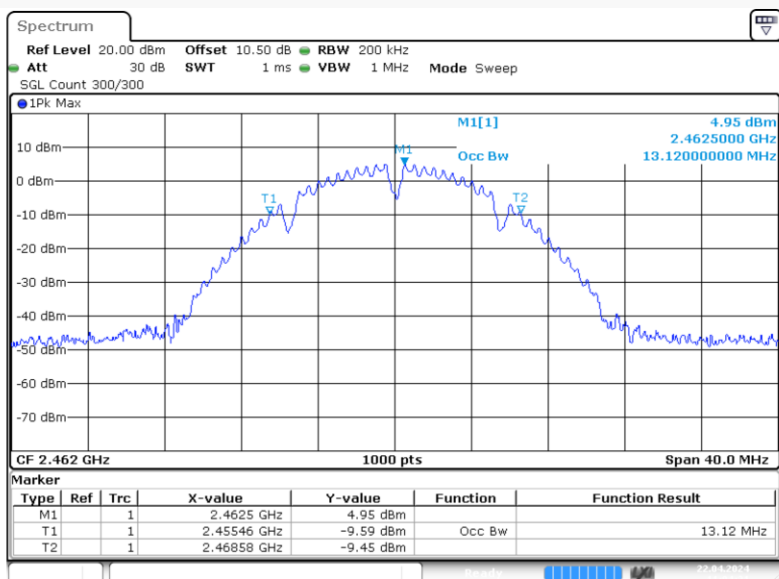
802.11b Mode Low Channel



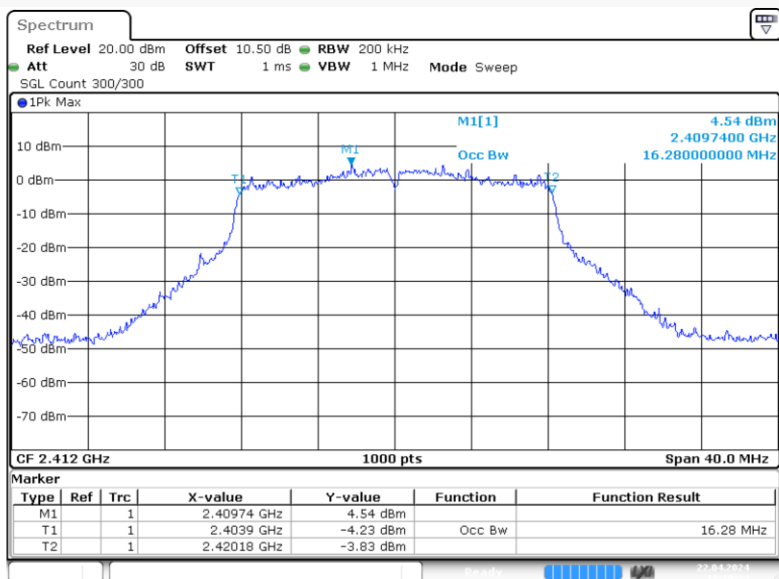
802.11b Mode Middle Channel

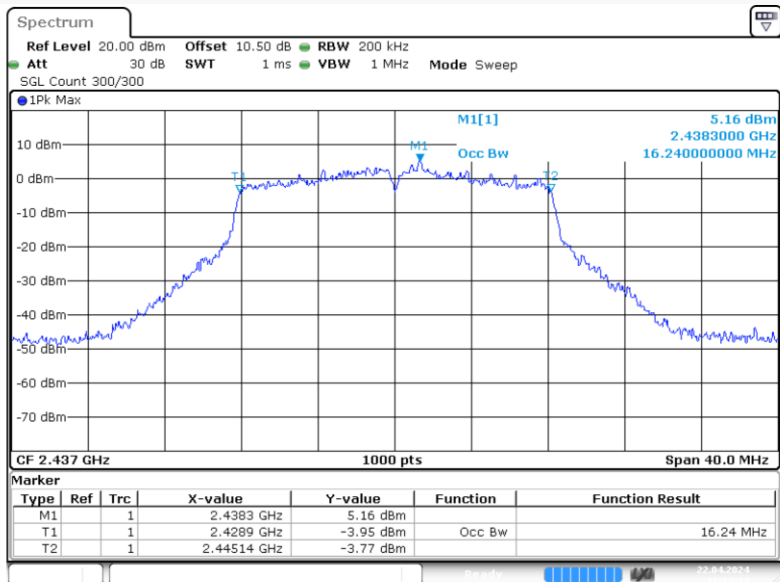


802.11b Mode High Channel



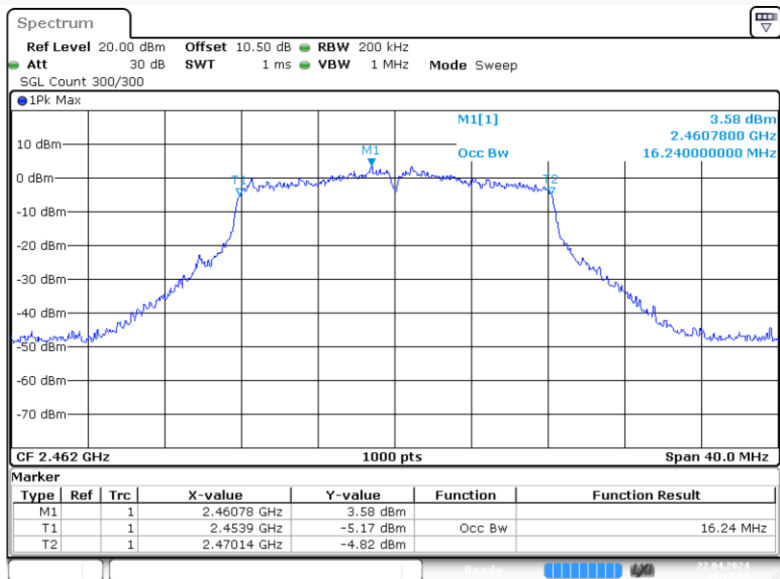
802.11g Mode Low Channel



802.11g Mode Middle Channel

ProjectNo.:RKSA240119004 Tester:Bard Liu

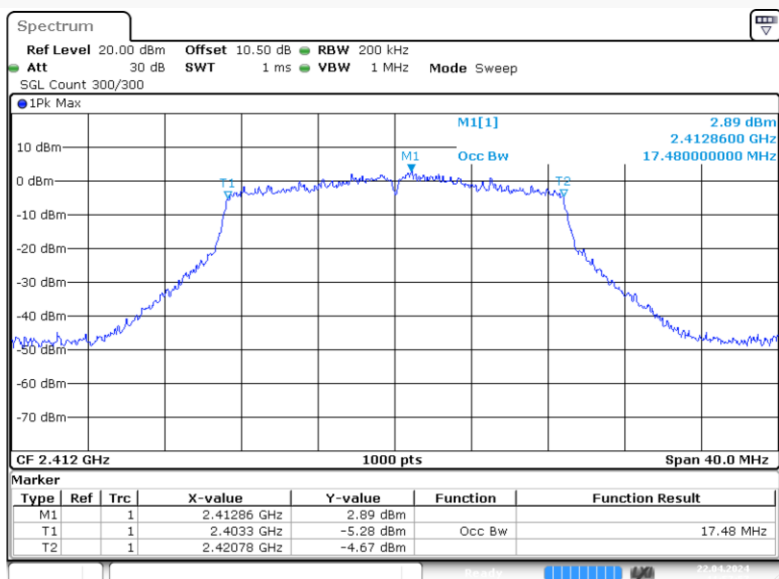
Date: 22 APR 2024 11:13:15

802.11g Mode High Channel

ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22 APR 2024 11:17:50

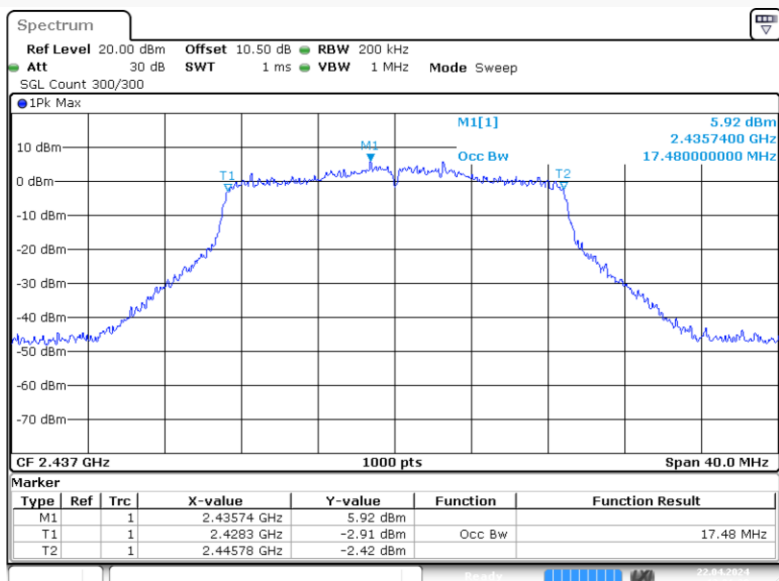
802.11n-HT20 Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 11:57:58

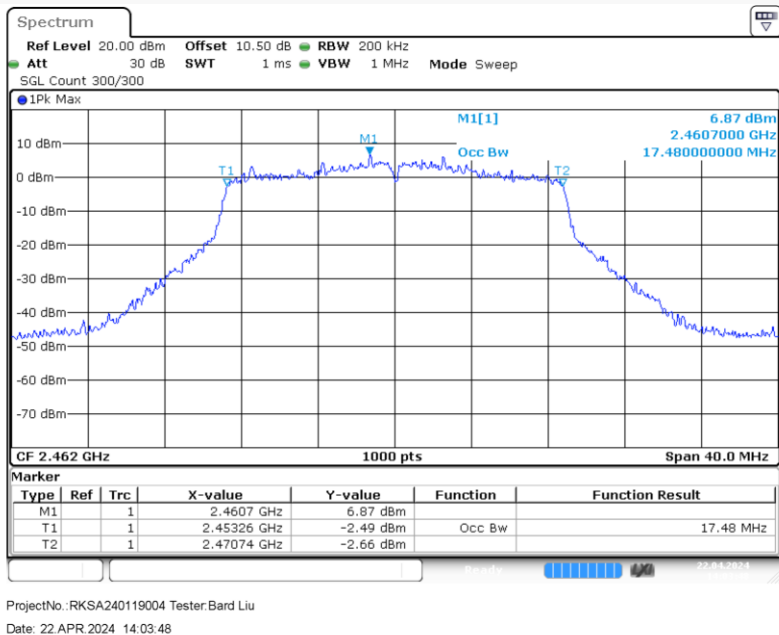
802.11n-HT20 Mode Middle Channel



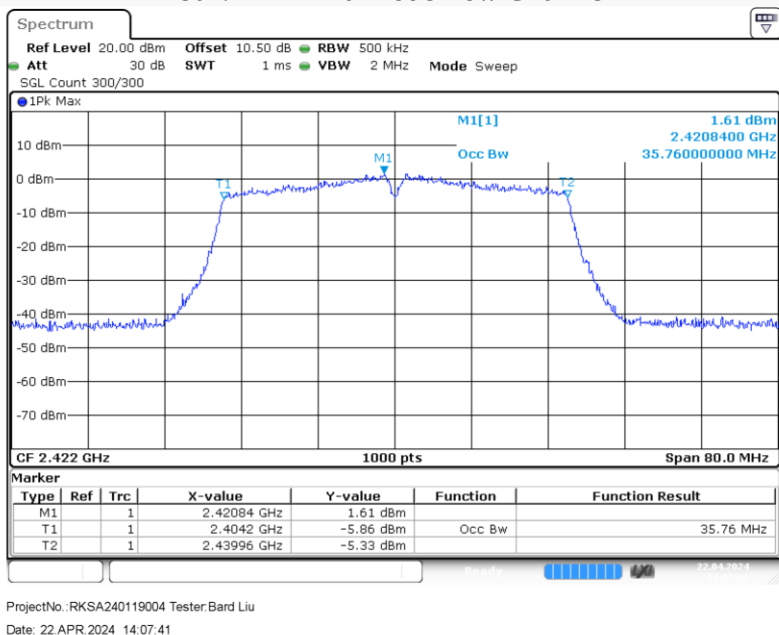
ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 12:01:29

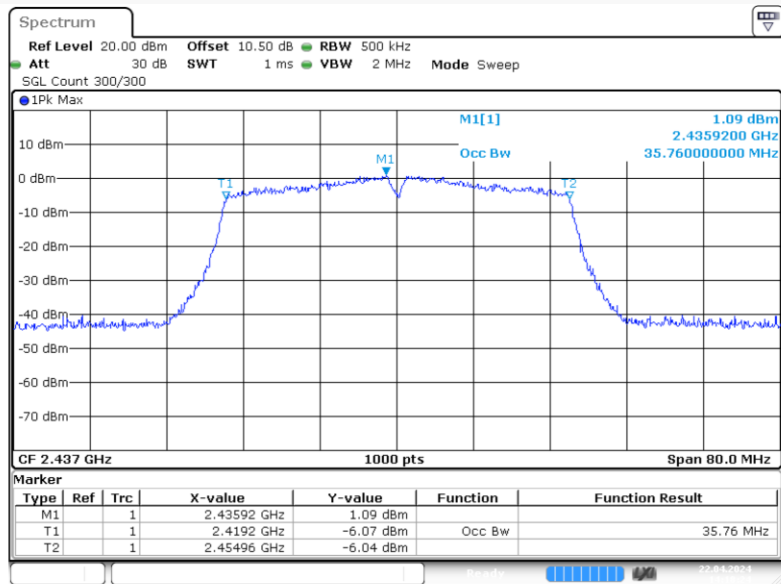
802.11n-HT20 Mode High Channel



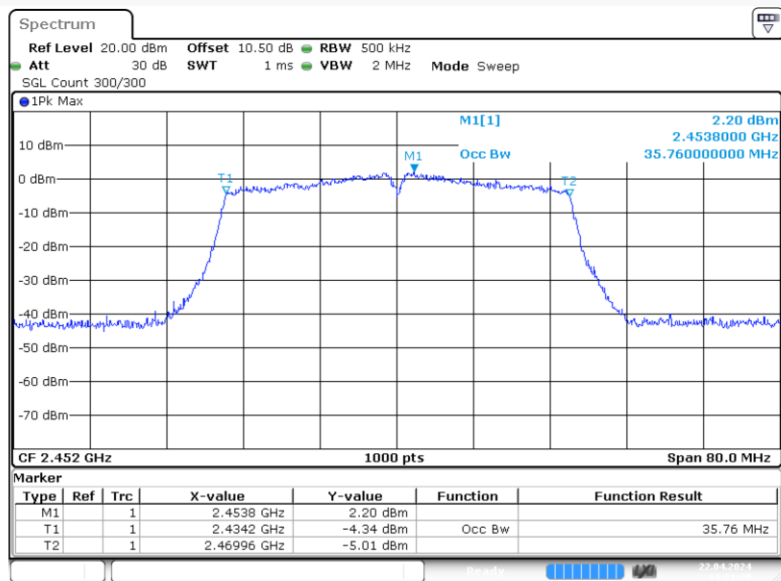
802.11n-HT40 Mode Low Channel



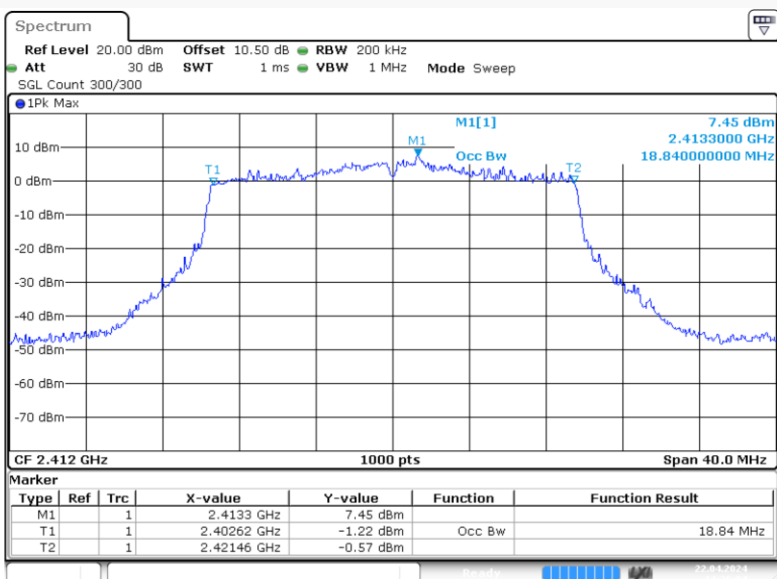
802.11n-HT40 Mode Middle Channel



802.11n-HT40 Mode High Channel



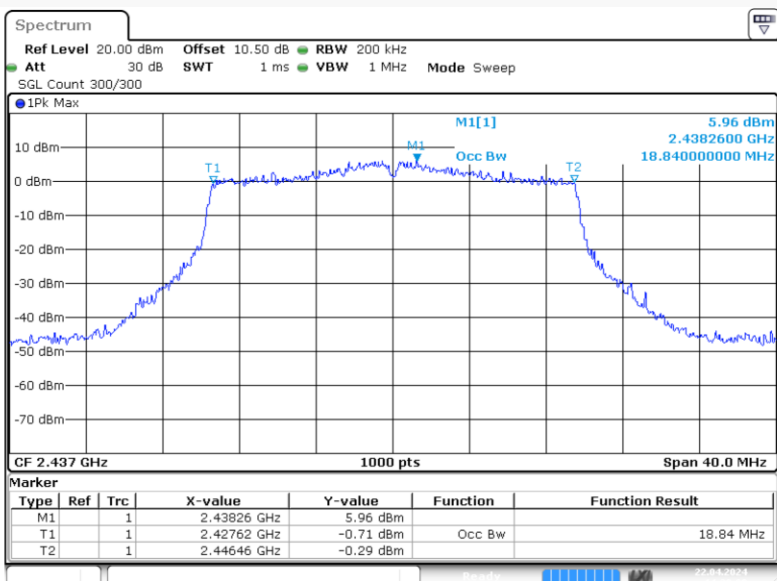
802.11ax-HEW20 Mode Low Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:26:05

802.11ax-HEW20 Mode Middle Channel



ProjectNo.: RKSA240119004 Tester: Bard Liu

Date: 22 APR 2024 14:29:08

Spectrum

Ref Level 20.00 dBm Offset 10.50 dB RBW 200 kHz
Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep
SGL Count 300/300

● 1Pk Max

5.19 dBm
2.4633000 GHz
18.800000000 MHz

CF 2.462 GHz 1000 pts Span 40.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.4633 GHz	5.19 dBm		
T1	1		2.45262 GHz	-2.39 dBm	Occ Bw	18.8 MHz
T2	1		2.47142 GHz	-2.11 dBm		

Date: 22 APR 2024 14:32:07

Spectrum

Ref Level 20.00 dBm Offset 10.50 dB RBW 500 kHz
 Att 30 dB SWT 1 ms VBW 2 MHz Mode Sweep
 SGL Count 300/300

● 1Pk Max

10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm

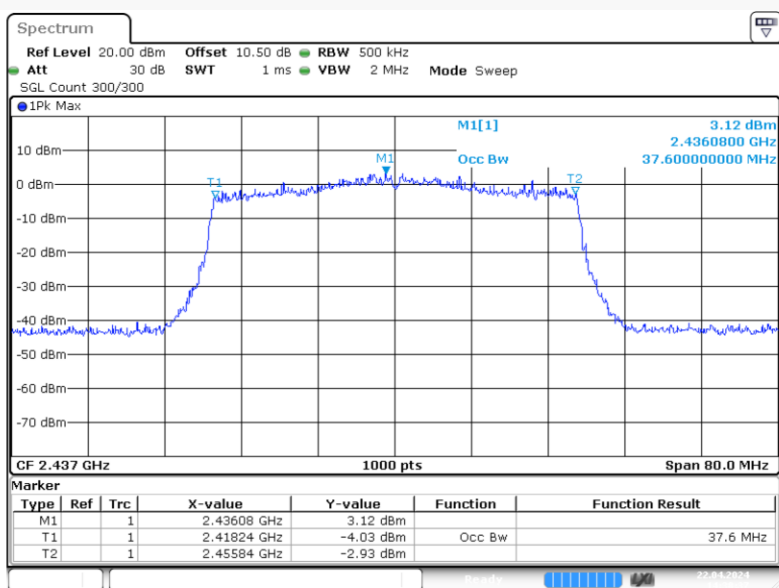
M1[1] 4.01 dBm
 2.4244400 GHz
 37.520000000 MHz
 M1
 Occ Bw
 T2

CF 2.422 GHz 1000 pts Span 80.0 MHz

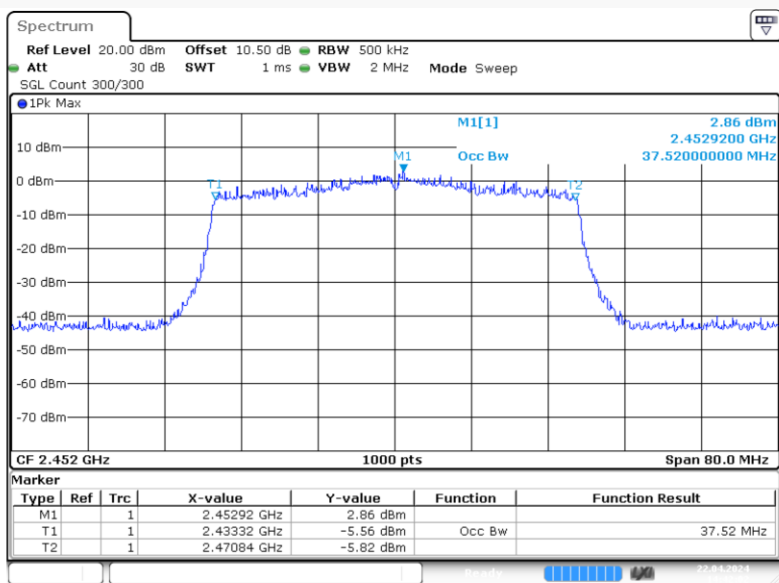
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1		2.42444 GHz	4.01 dBm		
T1	1	1		2.40332 GHz	-5.41 dBm	Occ Bw	37.52 MHz
T2	1	1		2.44084 GHz	-1.26 dBm		

Date: 22.APR.2024 14:35:38

802.11ax-HEW40 Mode Middle Channel



802.11ax-HEW40 Mode High Channel



POWER SPECTRAL DENSITY**Test Result:** Compliant.*EUT operation mode: Transmitting*

Channel	Frequency (MHz)	PSD (dBm/3kHz)			Limit (dBm/3kHz)
		Chain 0	Chain 1	Total	
802.11b Mode					
Low	2412	-7.10	-8.25	/	≤8
Middle	2437	-8.41	-8.51	/	≤8
High	2462	-8.64	-8.14	/	≤8
802.11g Mode					
Low	2412	-8.75	-8.74	/	≤8
Middle	2437	-9.61	-9.20	/	≤8
High	2462	-8.94	-9.30	/	≤8
802.11n-HT20 mode					
Low	2412	-8.48	-7.29	-4.83	≤8
Middle	2437	-8.24	-8.97	-5.58	≤8
High	2462	-8.66	-8.11	-5.58	≤8
802.11n-HT40 mode					
Low	2422	-15.34	-14.78	-12.04	≤8
Middle	2437	-14.41	-16.03	-12.13	≤8
High	2452	-15.92	-13.83	-11.74	≤8
802.11ax-HEW20 mode					
Low	2412	-8.63	-9.02	-5.81	≤8
Middle	2437	-8.94	-9.29	-6.10	≤8
High	2462	-8.49	-8.34	-5.40	≤8
802.11ax-HEW40 mode					
Low	2422	-16.43	-16.19	-13.30	≤8
Middle	2437	-17.03	-16.78	-13.89	≤8
High	2452	-17.19	-18.08	-14.60	≤8

Note : According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

The device have two antenna, maximum antenna gain are 2.1dBi,

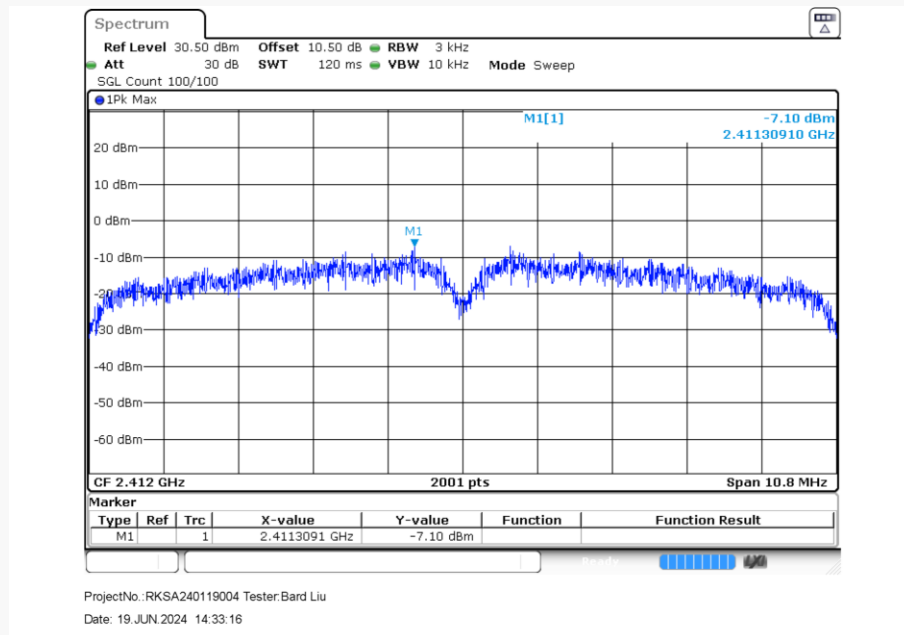
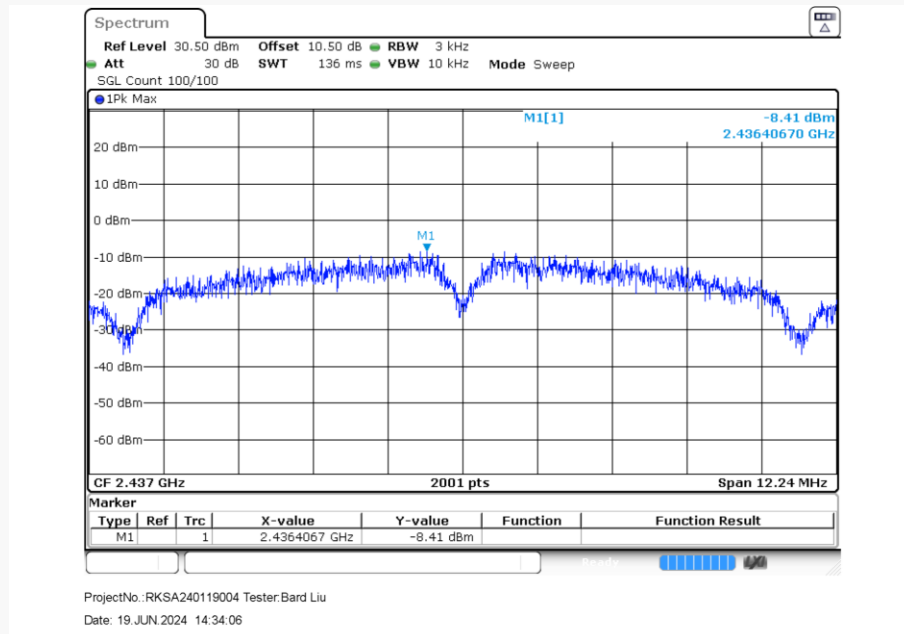
For Power spectral density (PSD) measurements on the devices:

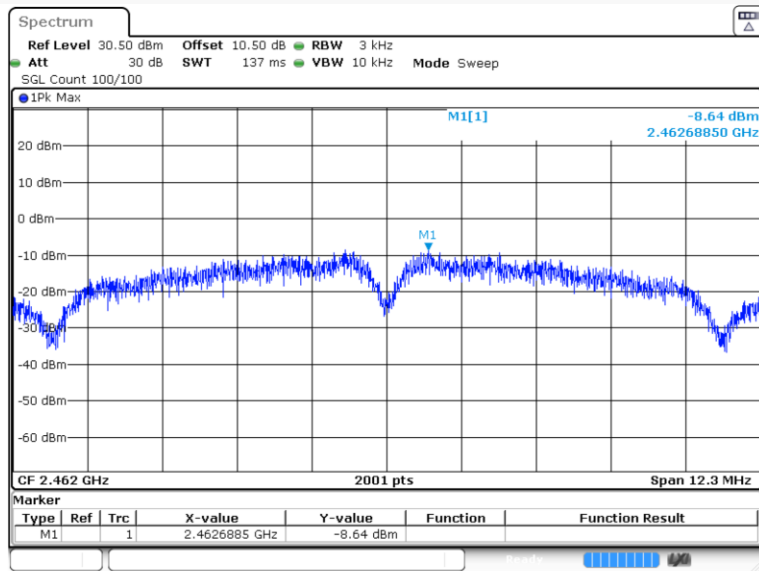
Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

So:

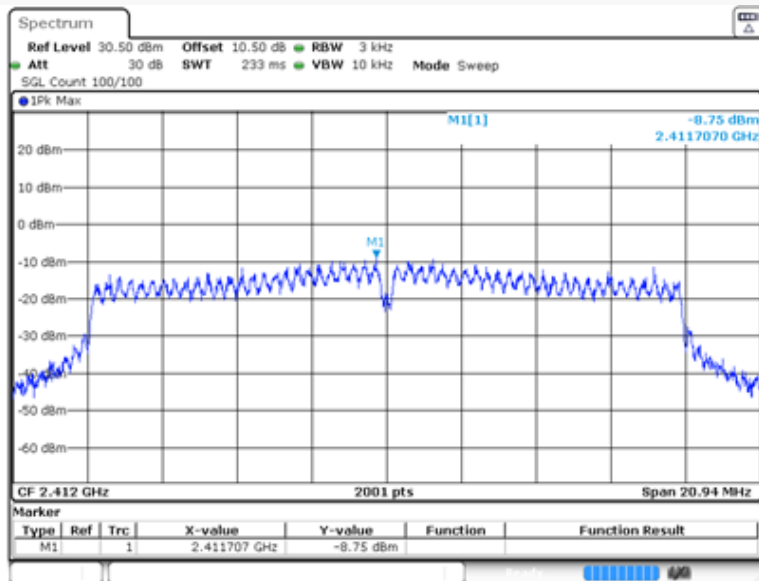
Directional gain = $G_{ANT} + \text{Array Gain} = 5.1 \text{ dBi}$

The Power density Limits was reduce 0 dB.

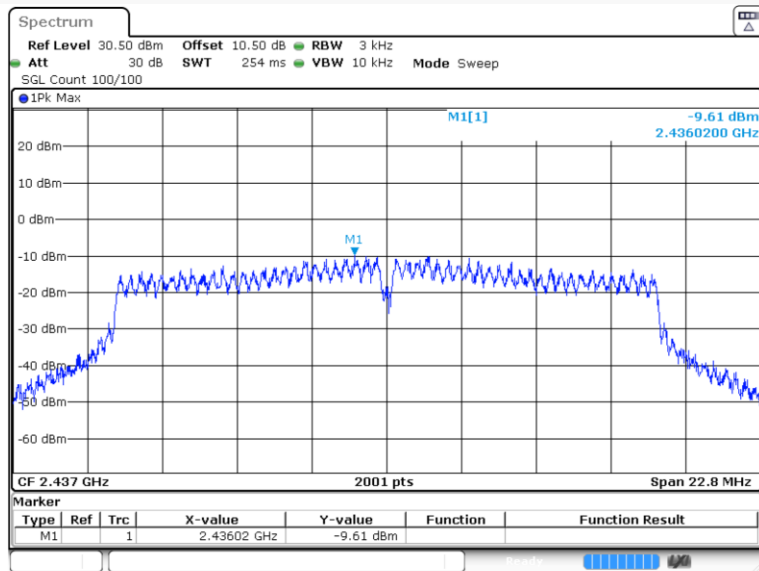
Chain 0:**802.11b Low Channel****802.11b Middle Channel**

802.11b High Channel

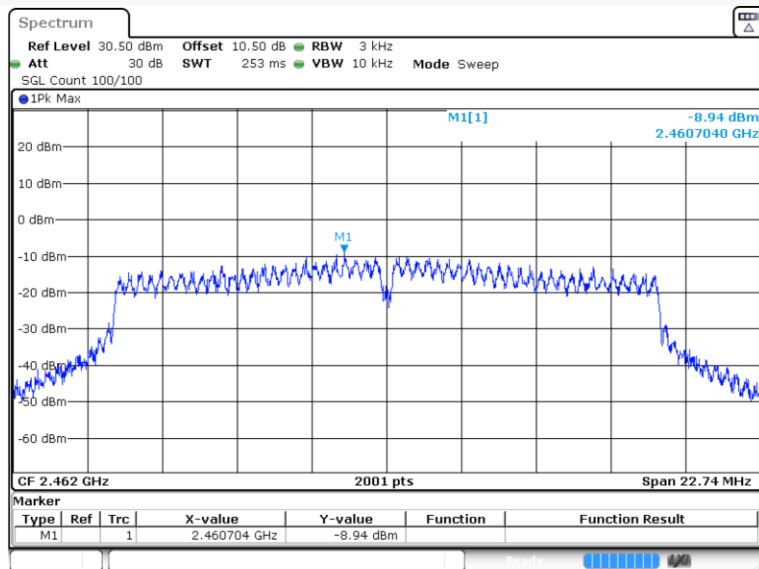
ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:34:44

802.11g Low Channel

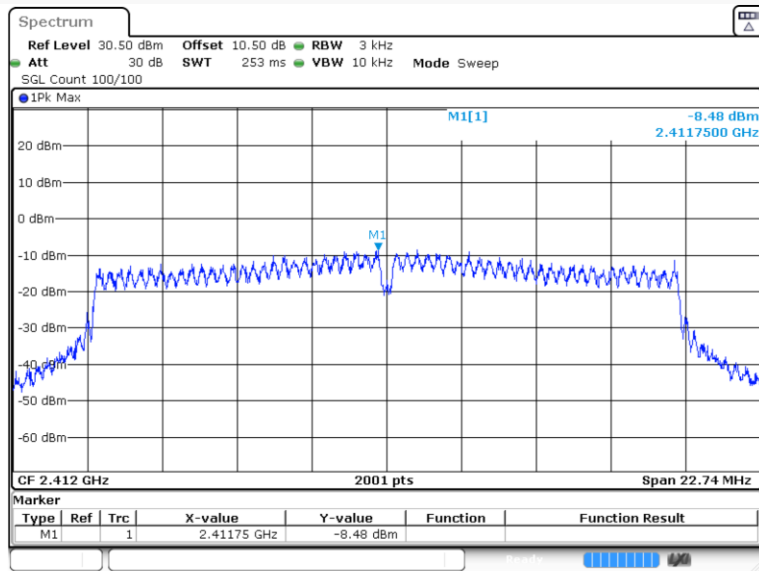
ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:35:55

802.11g Middle Channel

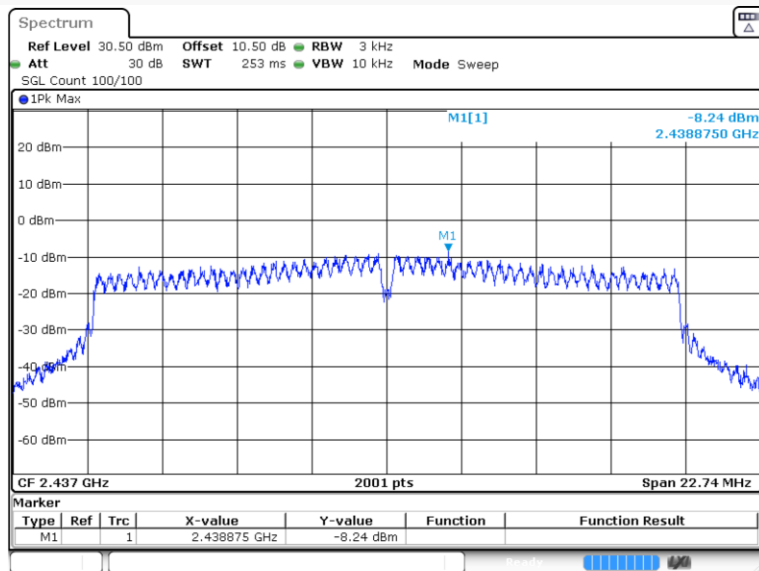
ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:36:51

802.11g High Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:38:06

802.11n-HT20 Low Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:39:16

802.11n-HT20 Middle Channel

ProjectNo.: RKSA240119004 Tester: Bard Liu
Date: 19 JUN 2024 14:40:06