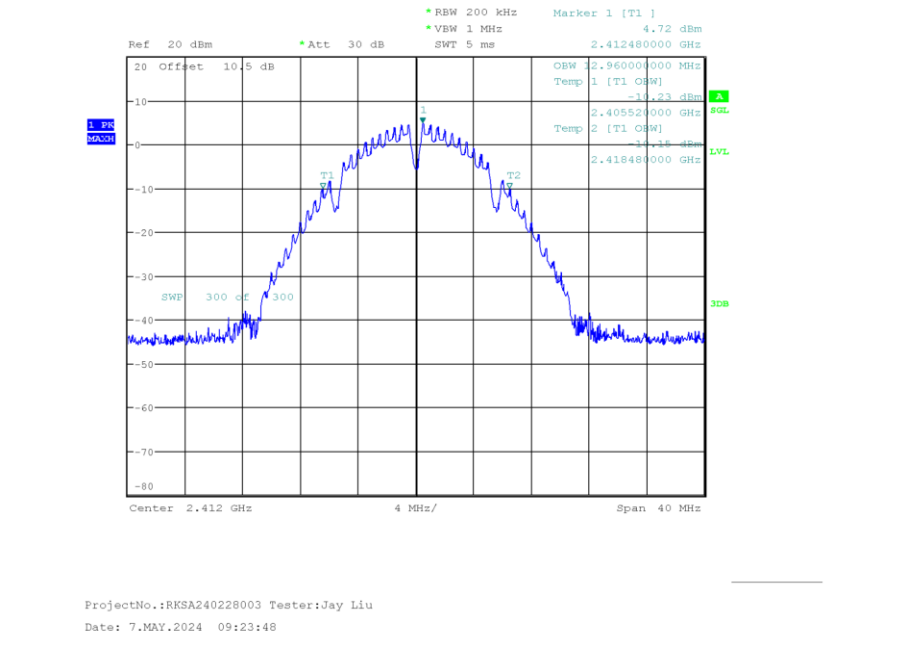
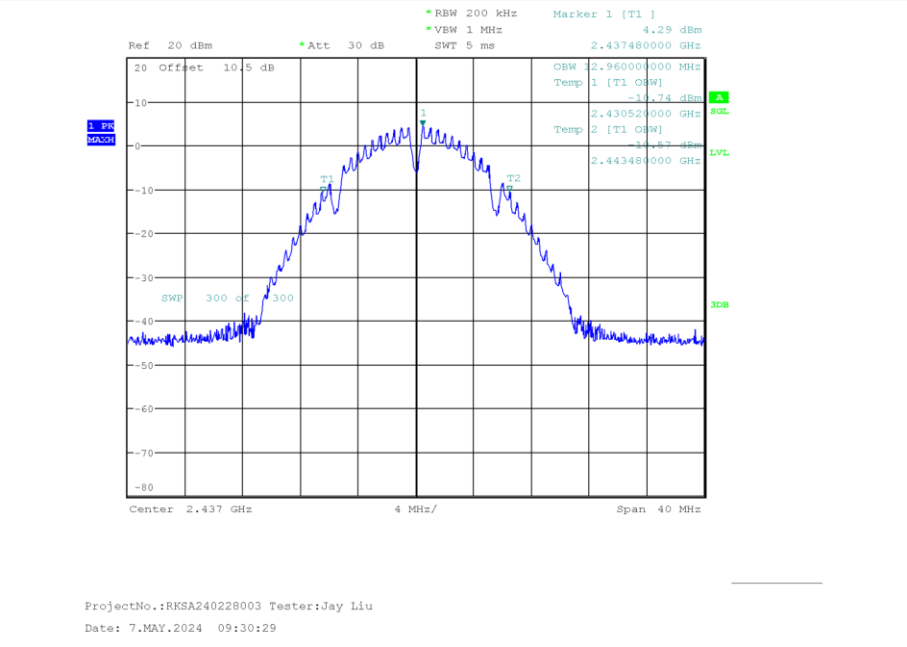
Chain 2:

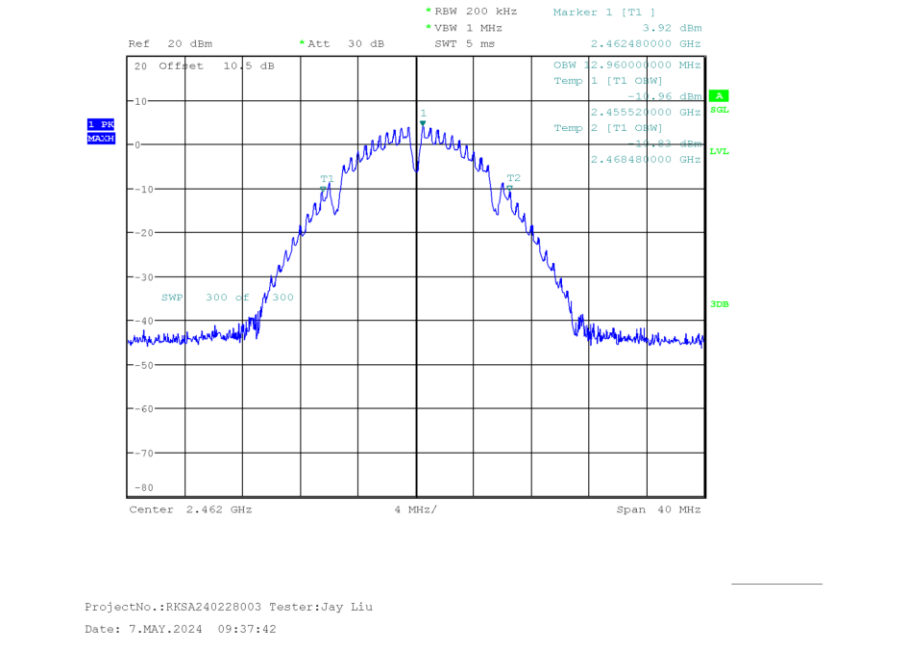
802.11b Mode Low Channel



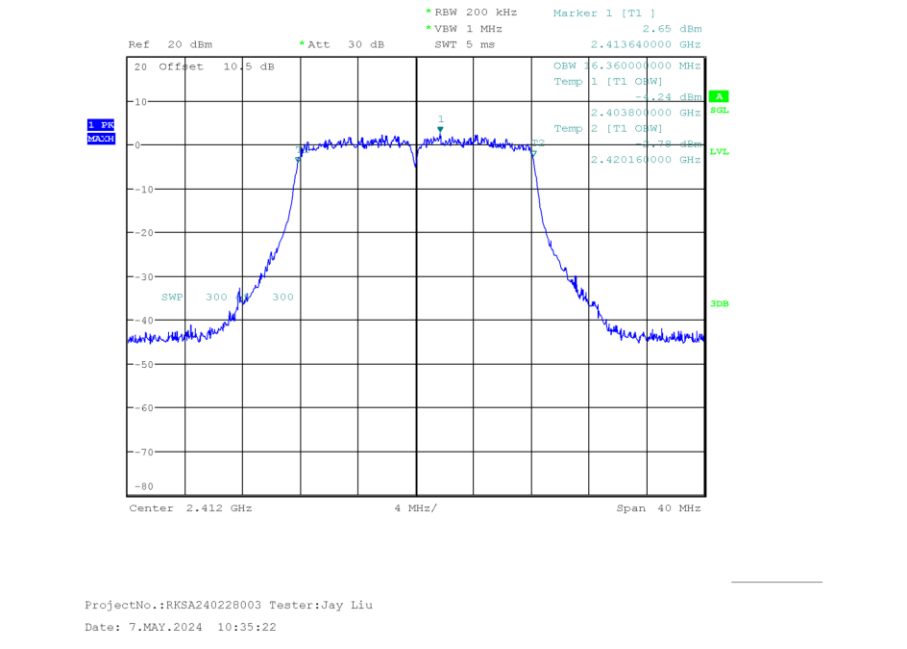
802.11b Mode Middle Channel



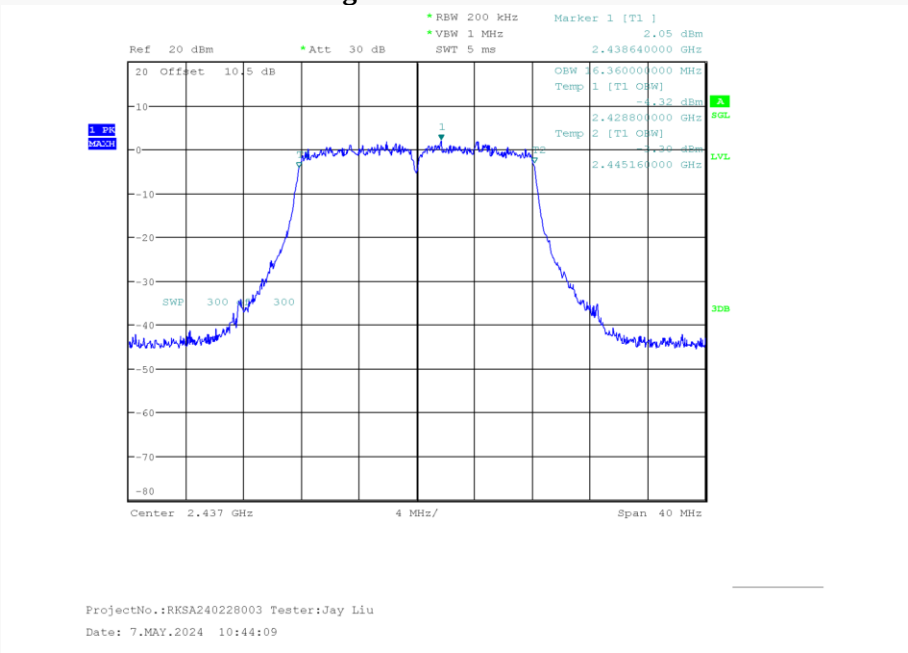
802.11b Mode High Channel



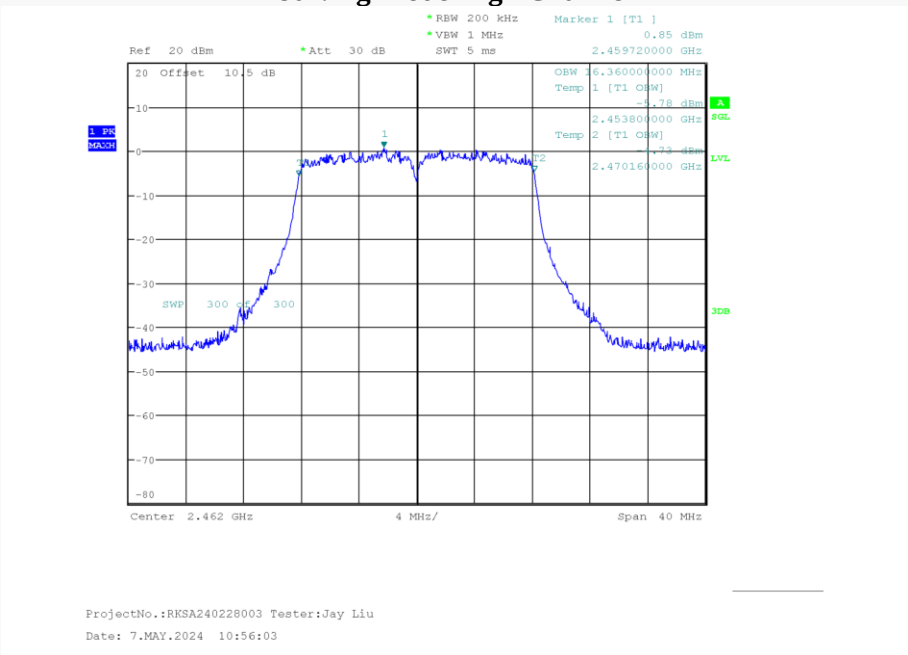
802.11g Mode Low Channel



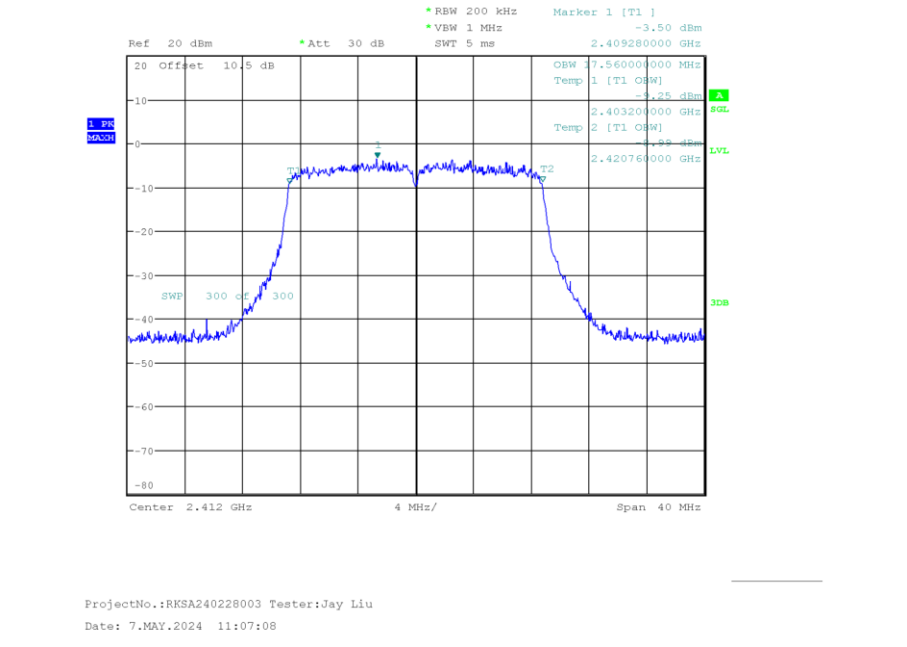
802.11g Mode Middle Channel



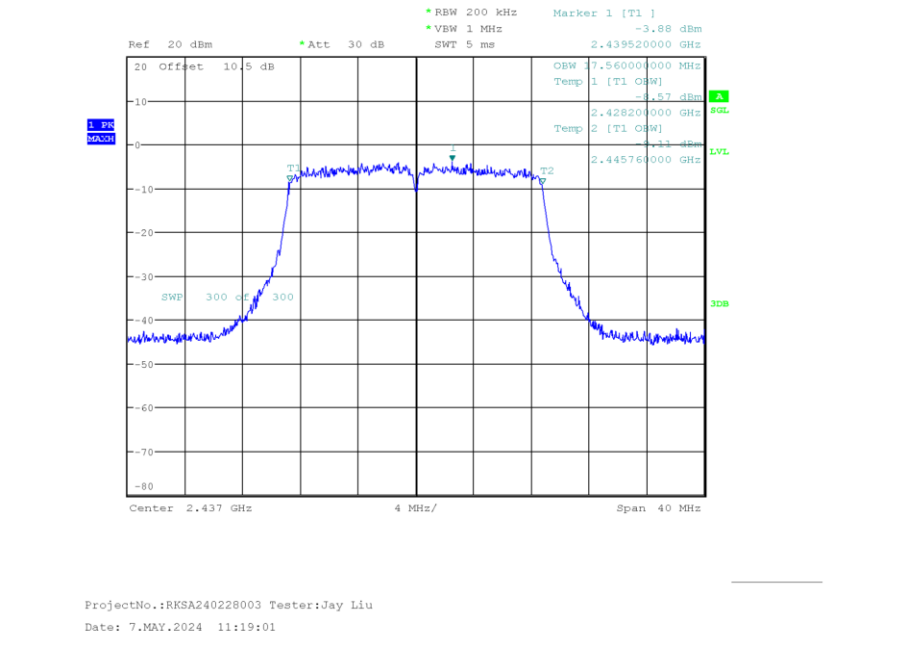
802.11g Mode High Channel



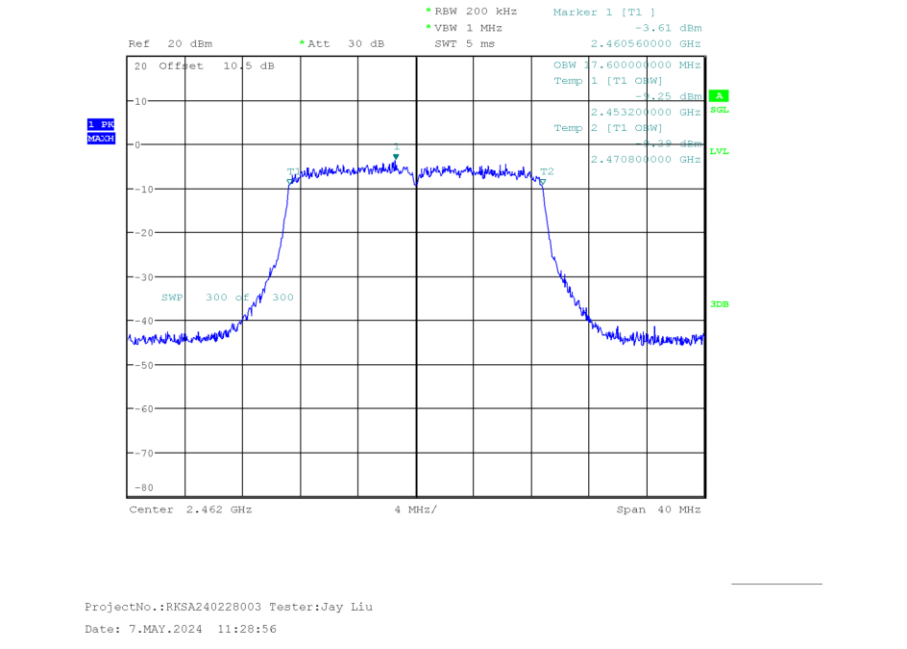
802.11n-HT20 Mode Low Channel



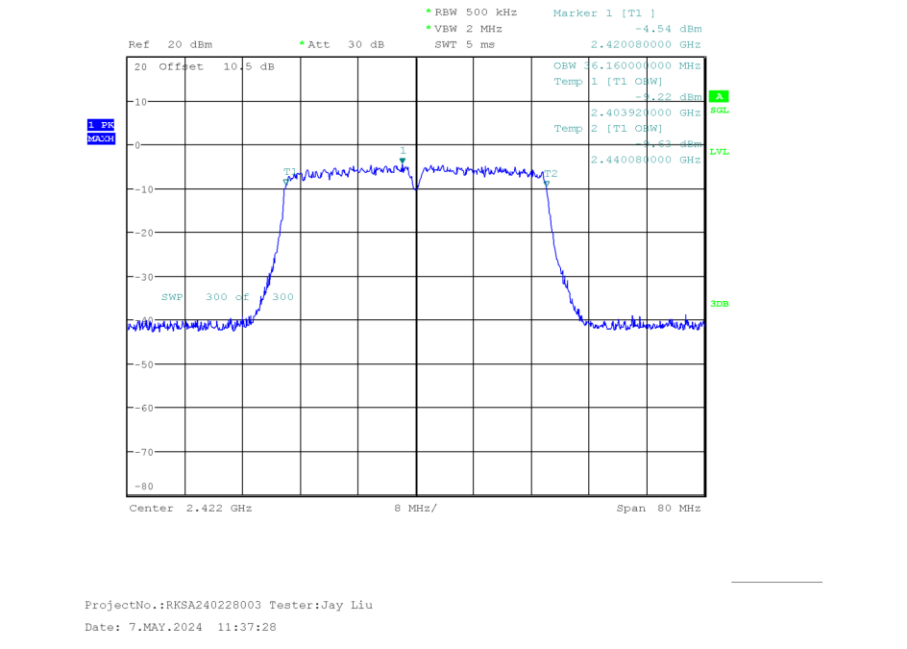
802.11n-HT20 Mode Middle Channel



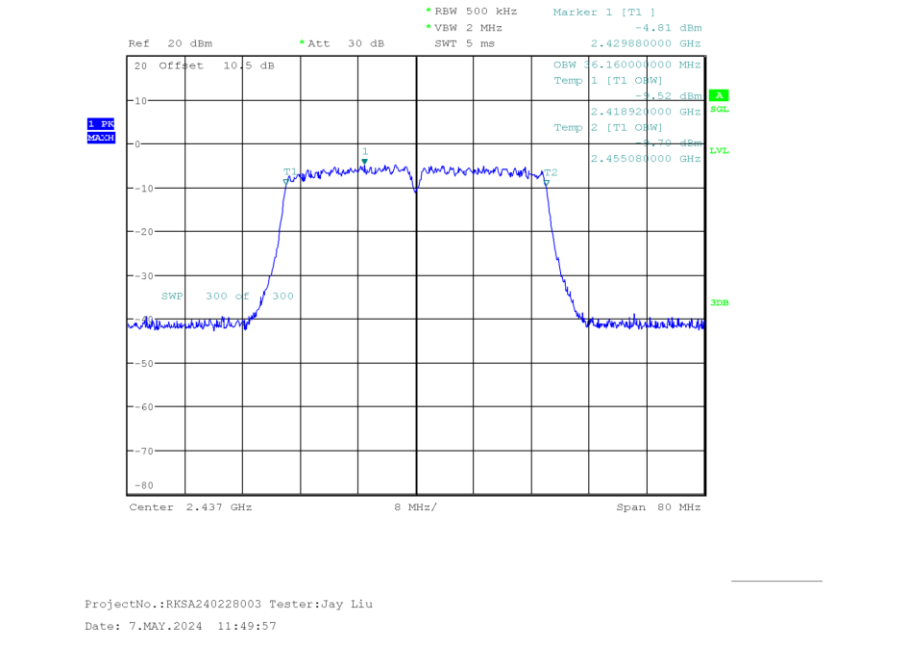
802.11n-HT20 Mode High Channel



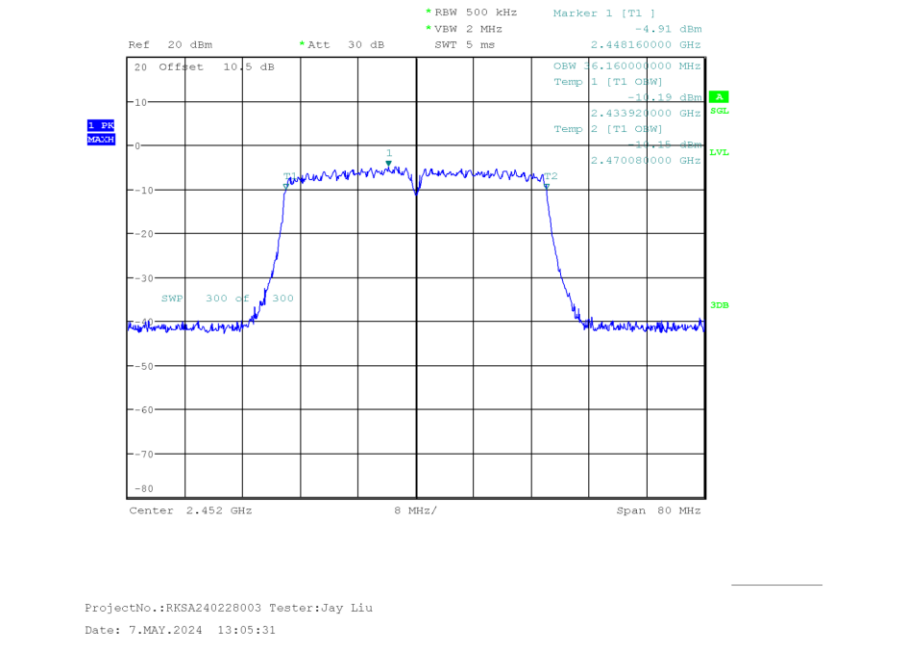
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel

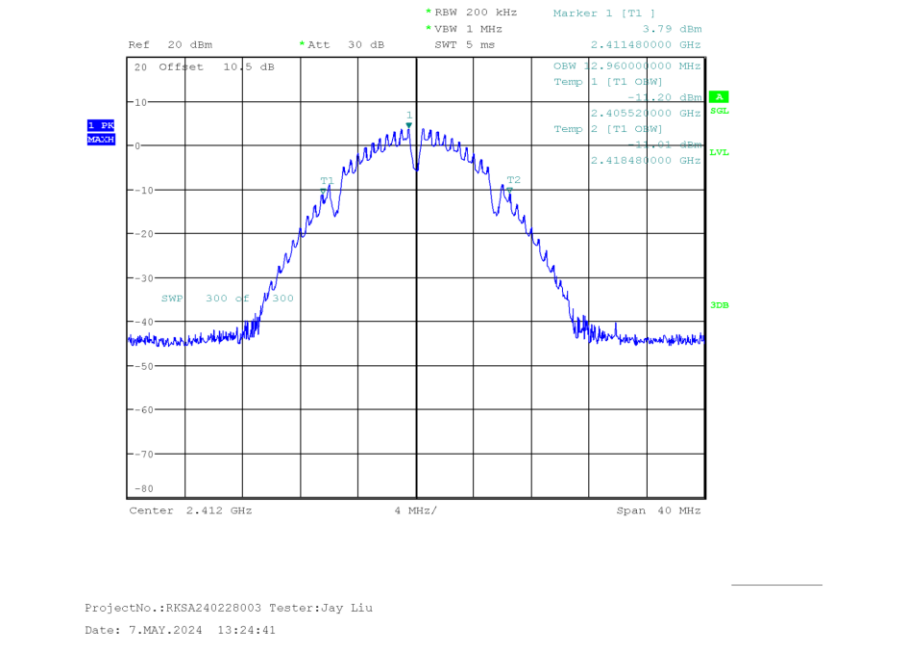


802.11n-HT40 Mode High Channel

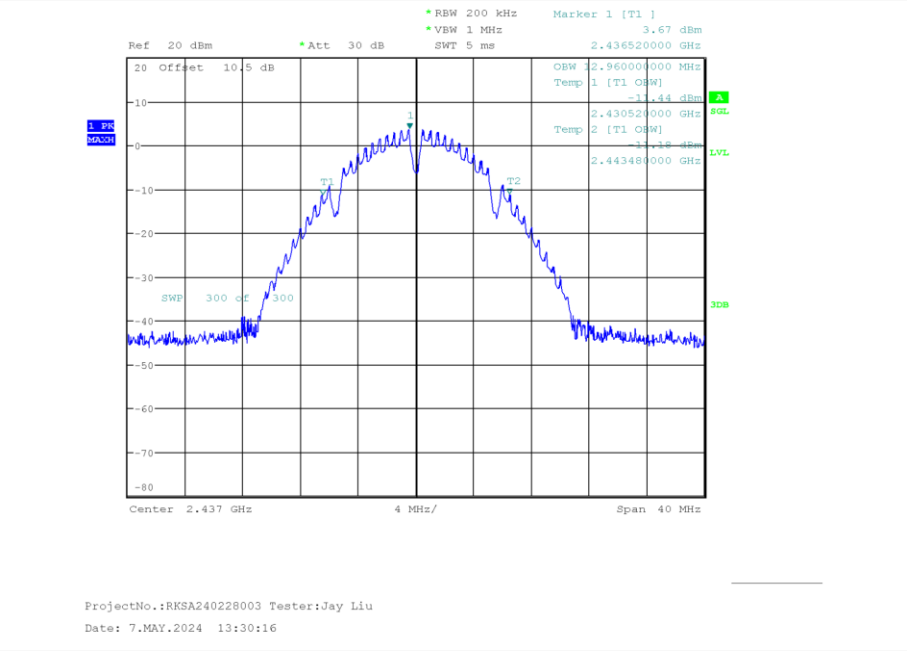


Chain 3:

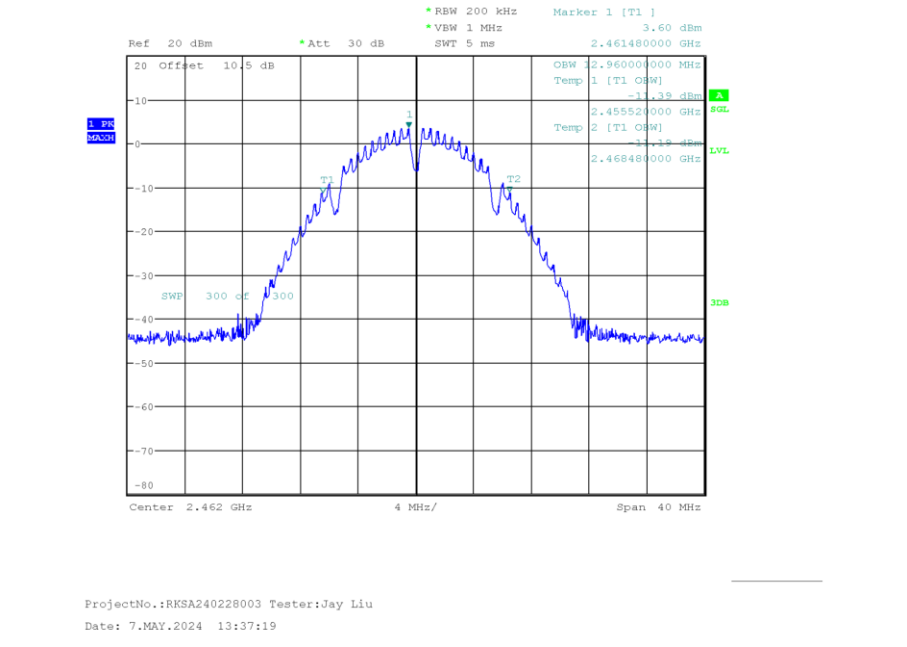
802.11b Mode Low Channel



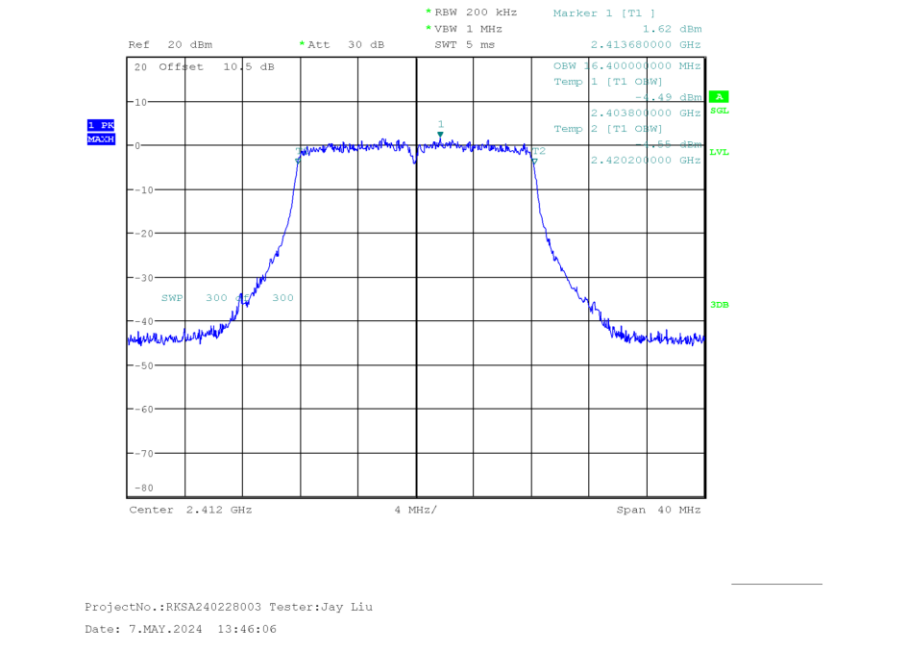
802.11b Mode Middle Channel



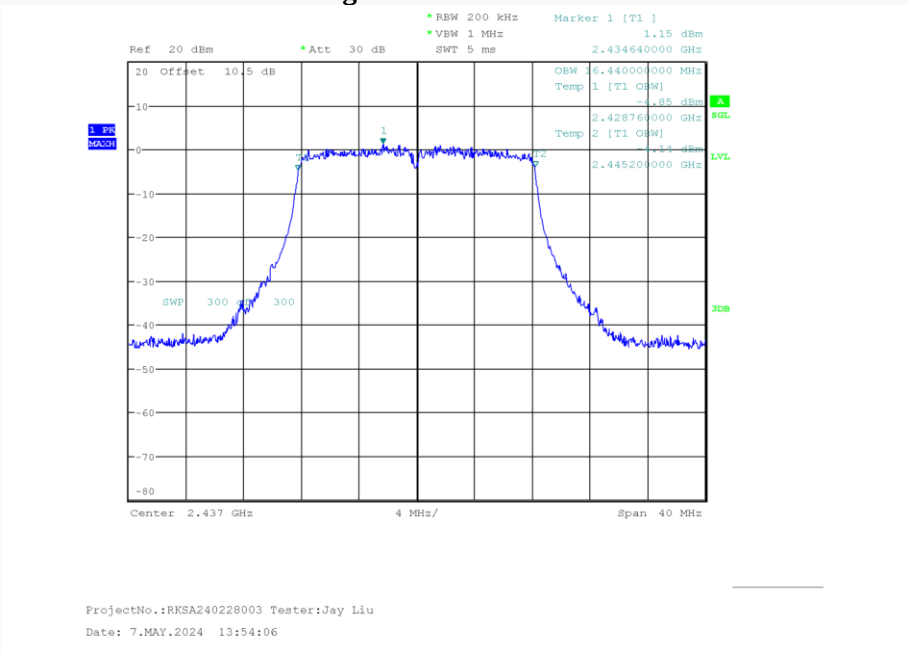
802.11b Mode High Channel



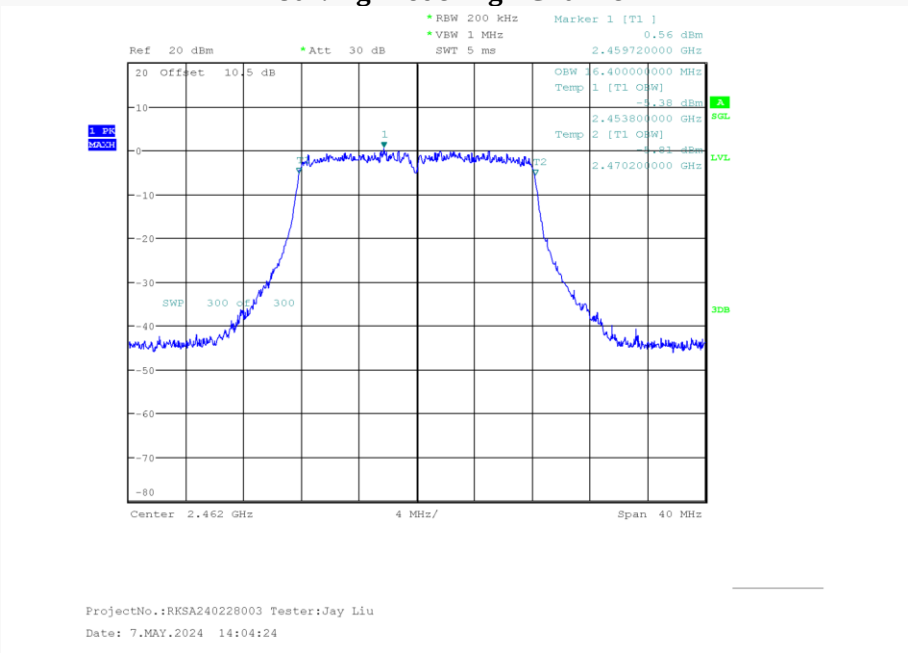
802.11g Mode Low Channel



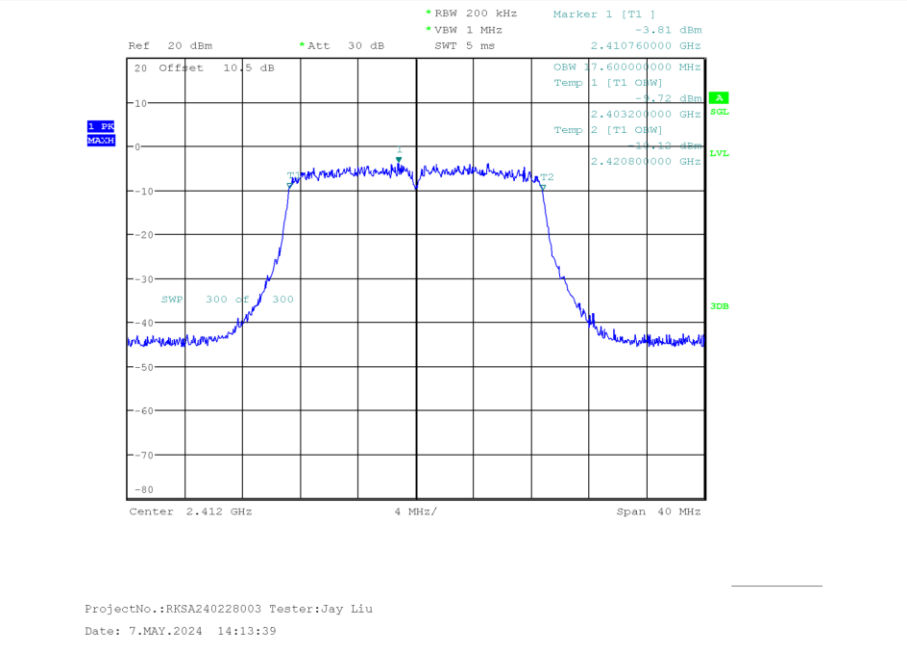
802.11g Mode Middle Channel



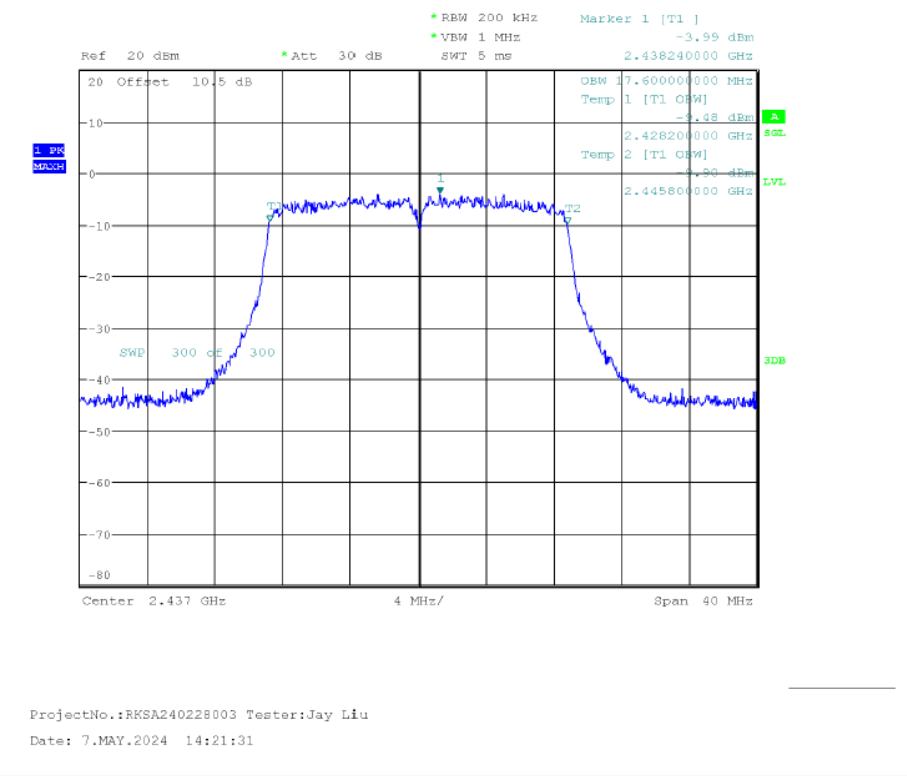
802.11g Mode High Channel



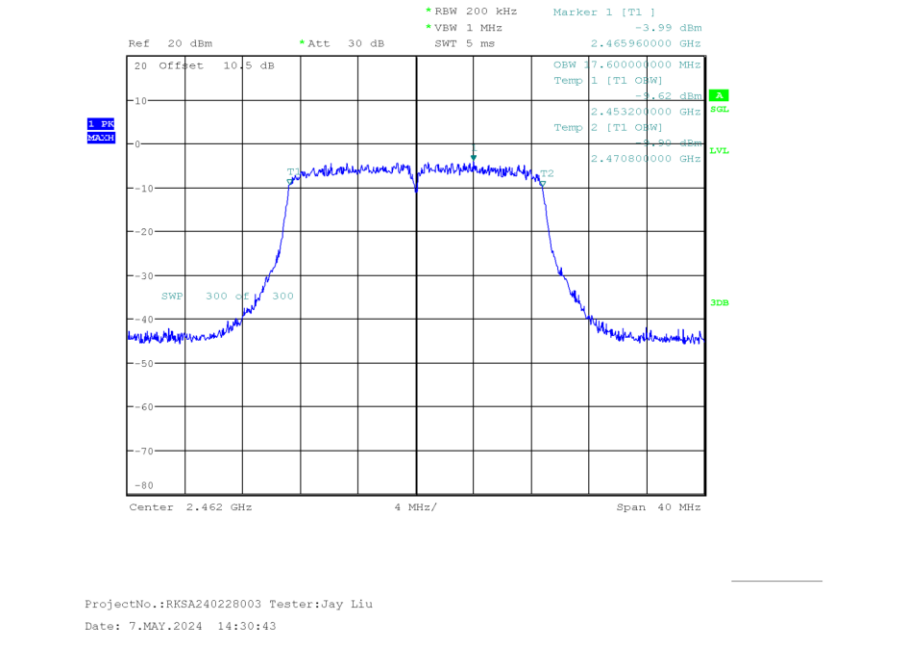
802.11n-HT20 Mode Low Channel



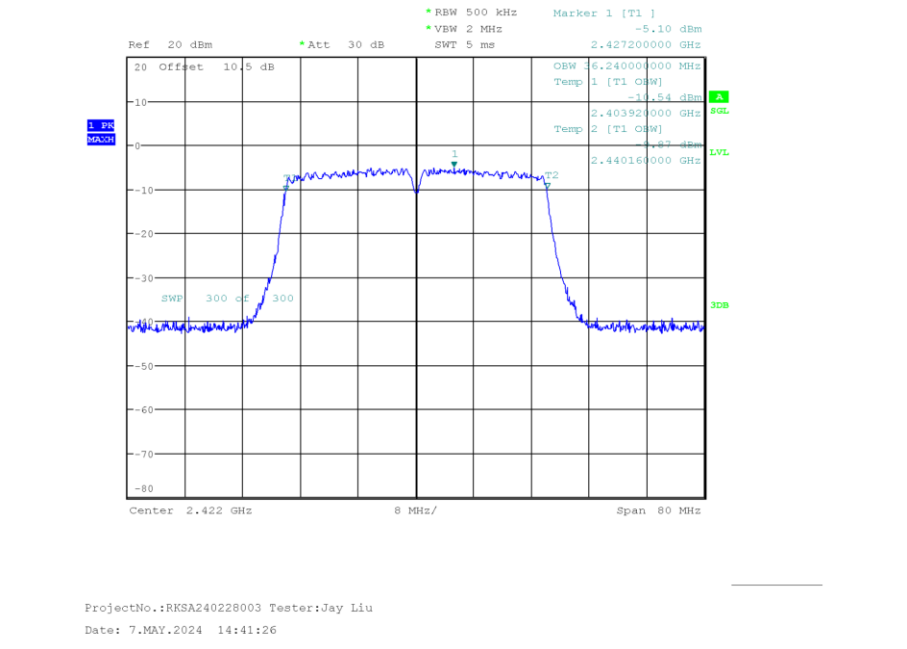
802.11n-HT20 Mode Middle Channel



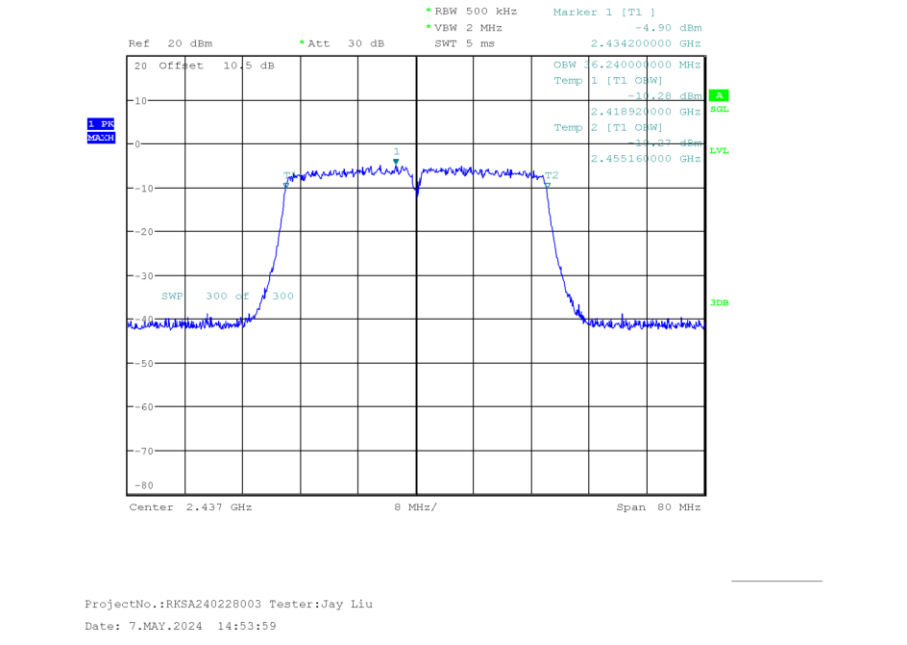
802.11n-HT20 Mode High Channel



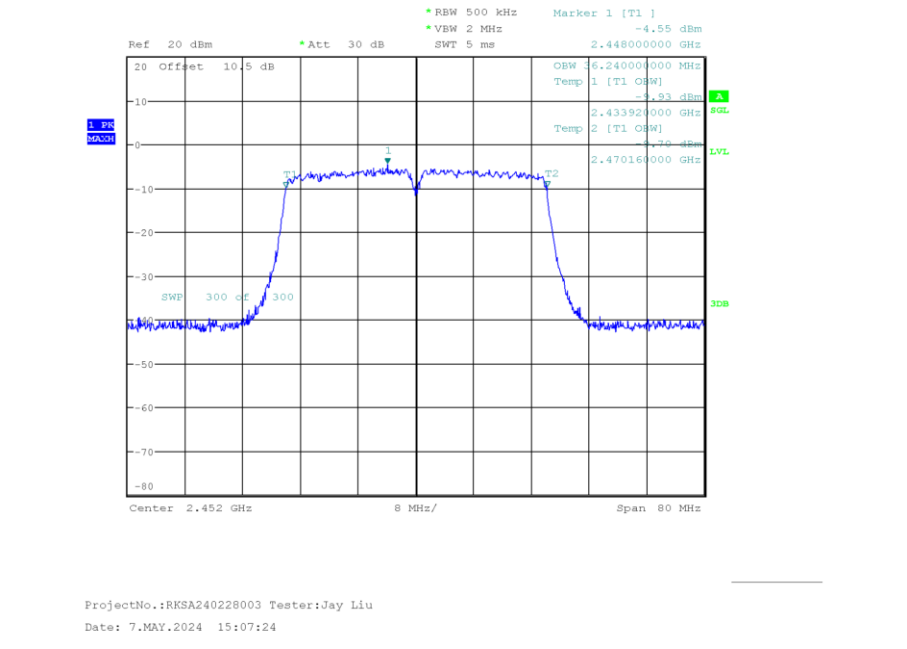
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel

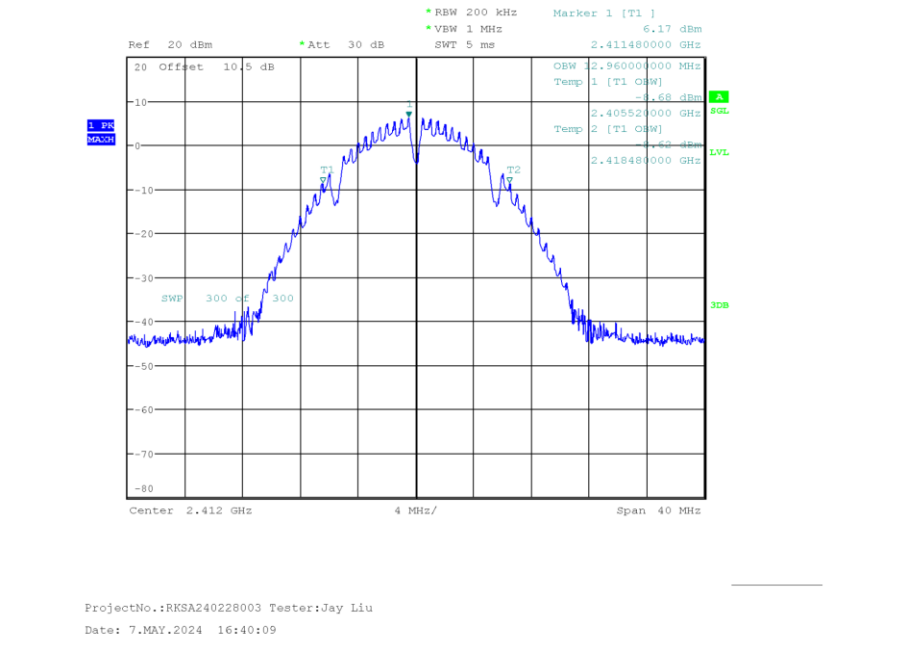


802.11n-HT40 Mode High Channel

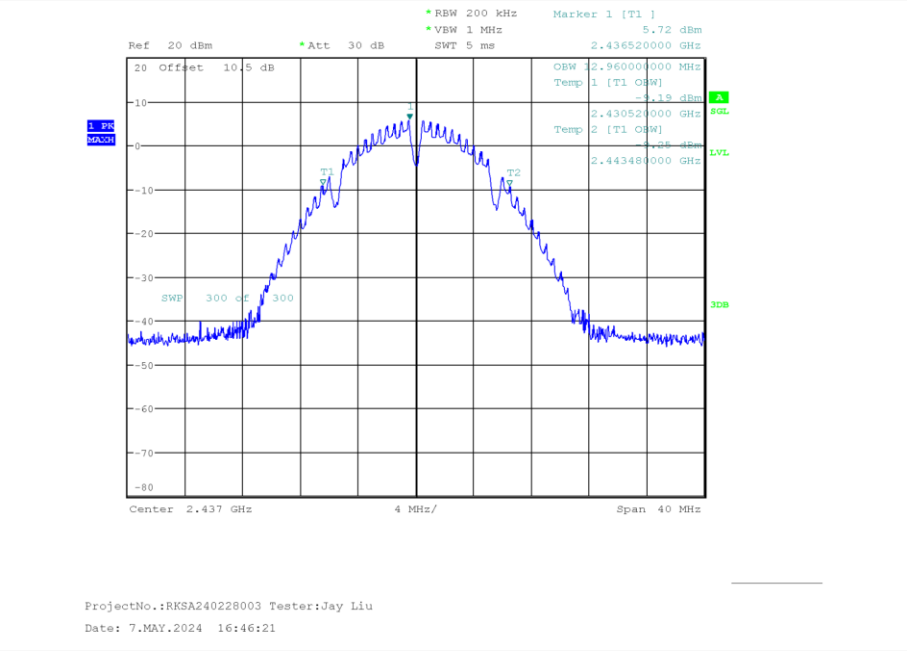


Chain 4:

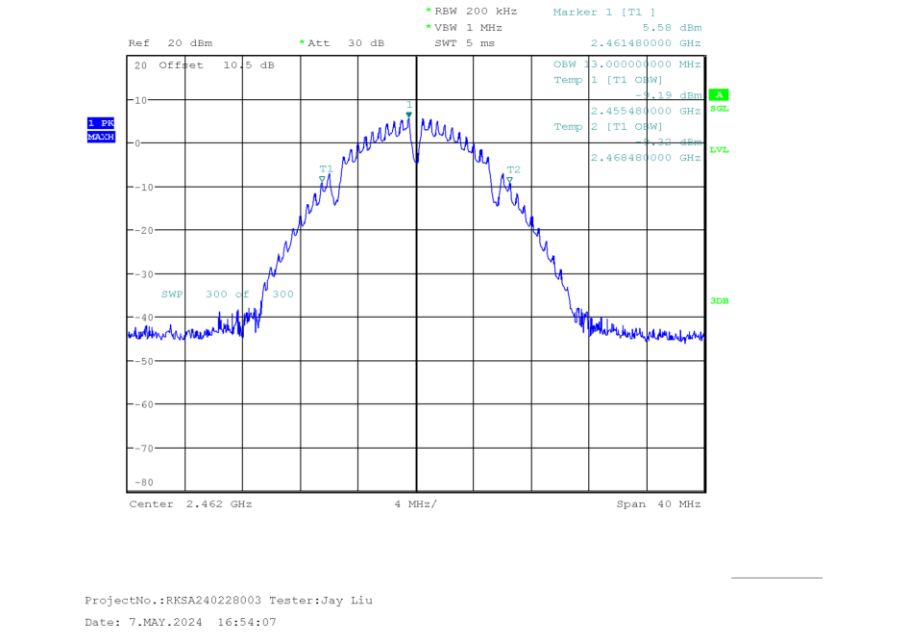
802.11b Mode Low Channel



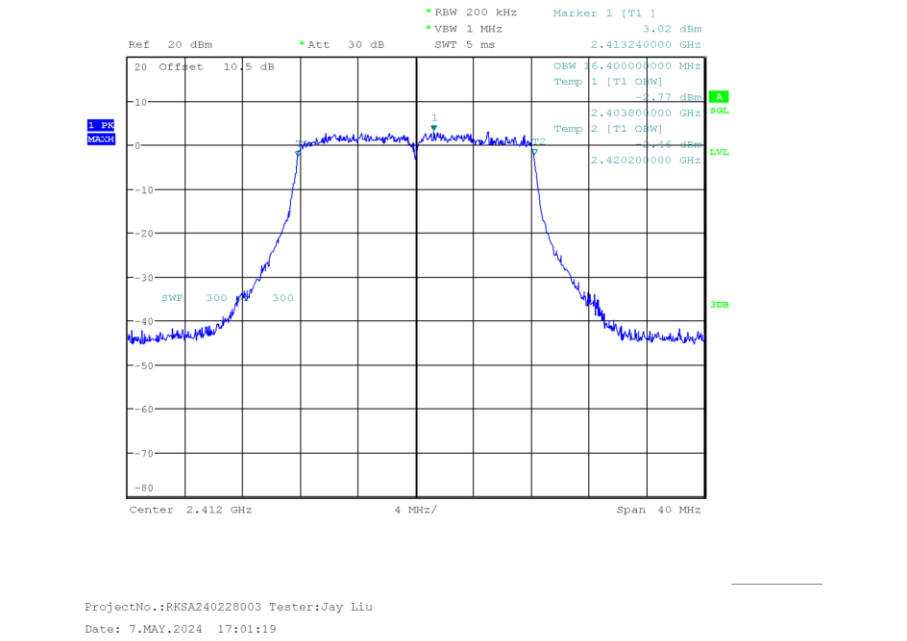
802.11b Mode Middle Channel



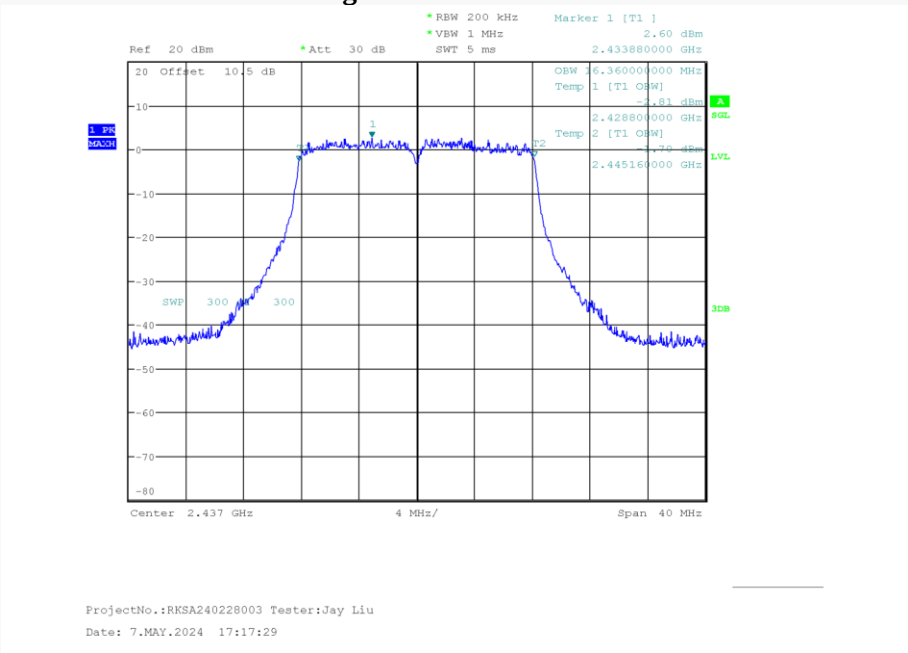
802.11b Mode High Channel



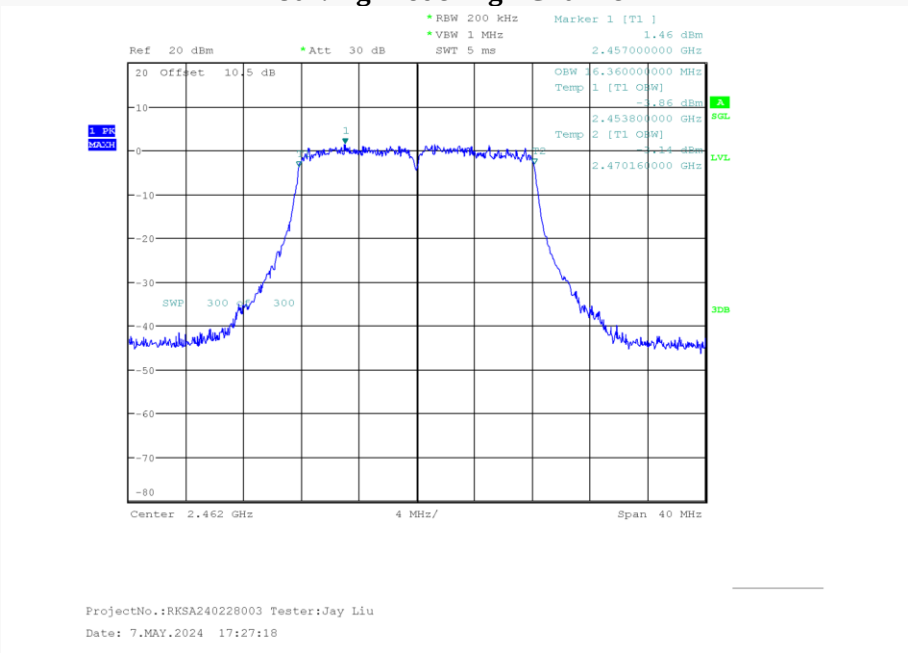
802.11g Mode Low Channel



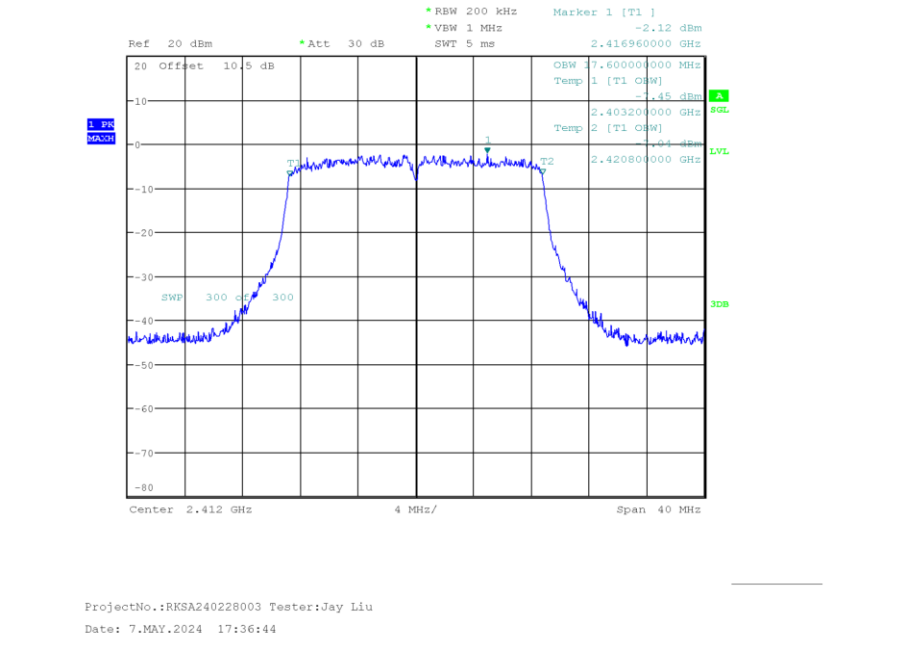
802.11g Mode Middle Channel



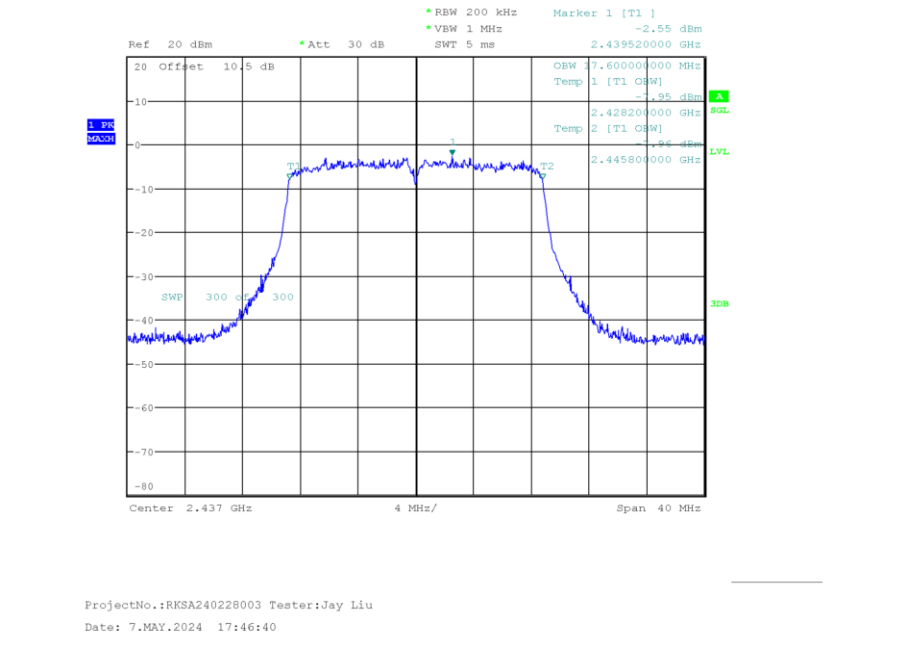
802.11g Mode High Channel



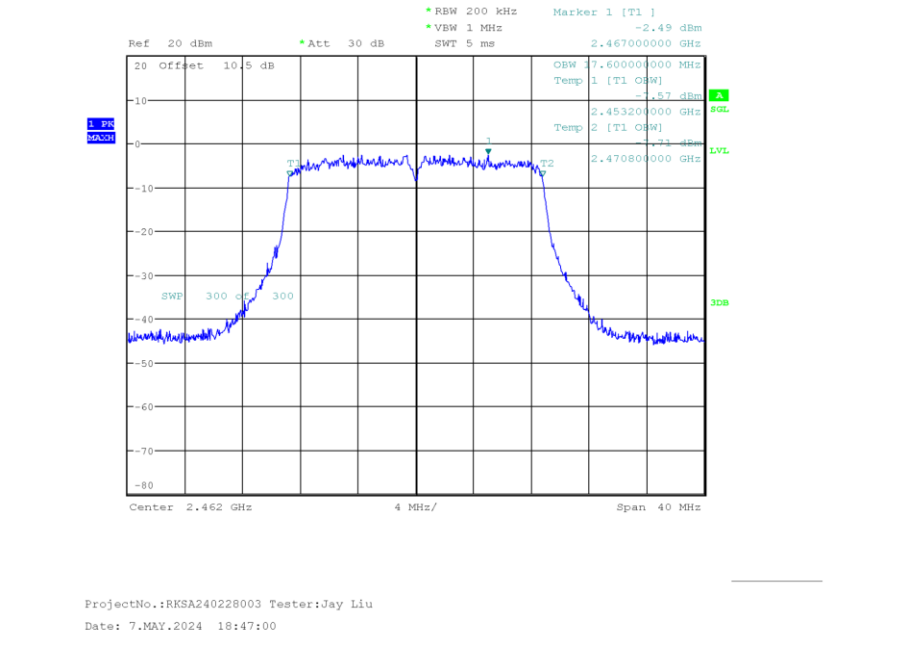
802.11n-HT20 Mode Low Channel



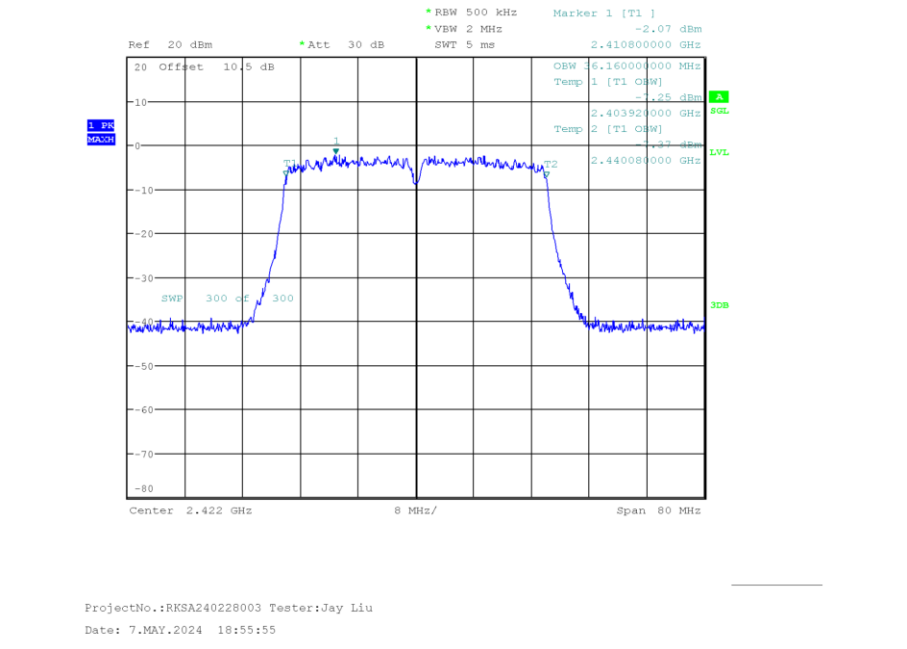
802.11n-HT20 Mode Middle Channel



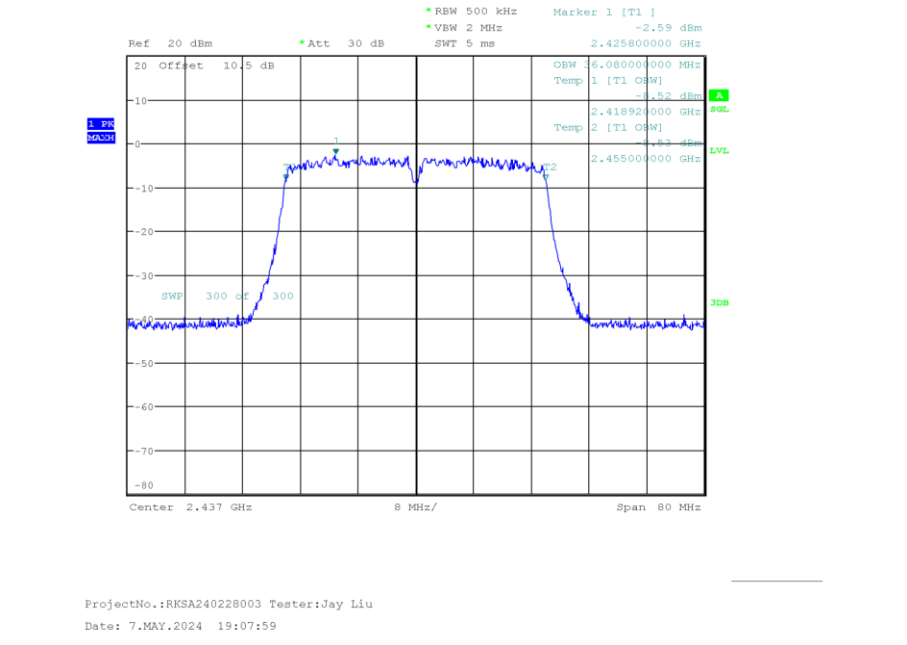
802.11n-HT20 Mode High Channel



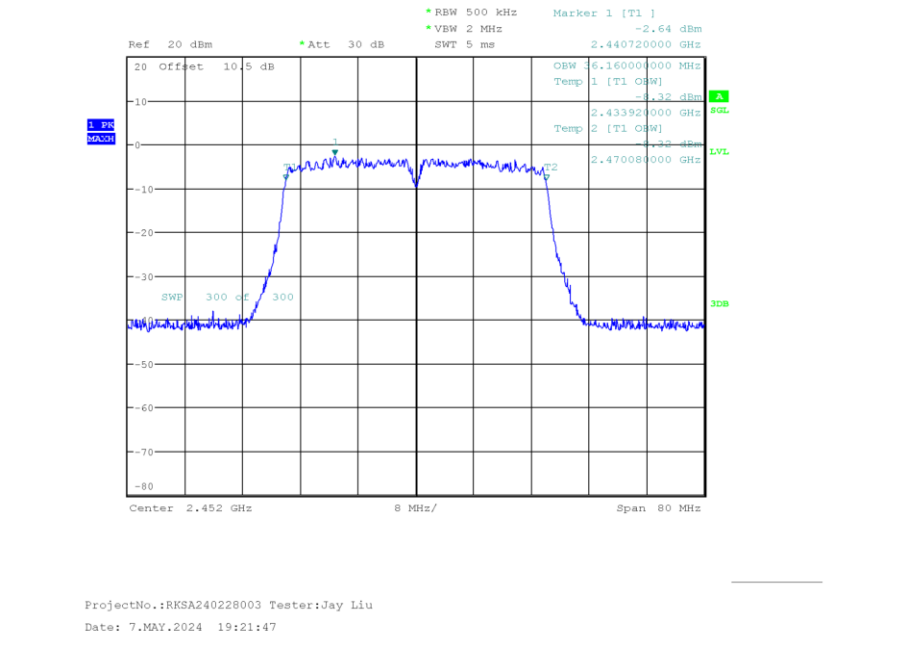
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel



802.11n-HT40 Mode High Channel



POWER SPECTRAL DENSITY

Test Result: Compliant.

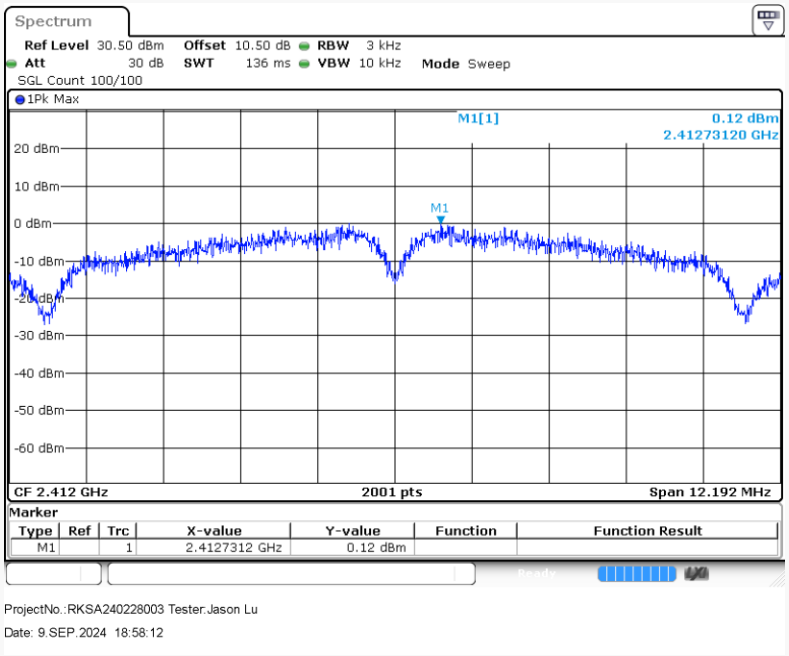
EUT operation mode: Transmitting

Channel	Frequency (MHz)	PSD (dBm/3kHz)					Limit (dBm/3kHz)
		Chain 1	Chain 2	Chain3	Chain4	Total	
802.11b Mode							
Low	2412	0.12	-0.03	0.09	0.51	/	≤8
Middle	2437	-0.15	-0.12	0.49	0.59	/	≤8
High	2462	0.48	0.64	0.52	1.36	/	≤8
802.11g Mode							
Low	2412	-2.54	-3.26	-3.75	-2.77	/	≤8
Middle	2437	-2.81	-2.76	-3.80	-3.57	/	≤8
High	2462	-3.28	-3.11	-2.63	-3.18	/	≤8
802.11n-HT20 mode							
Low	2412	-19.08	-19.2	-19.69	-17.37	-12.72	≤2
Middle	2437	-19.35	-19.12	-18.97	-17.91	-12.78	≤2
High	2462	-19.42	-19.3	-18.79	-17.97	-12.81	≤2
802.11n-HT40 mode							
Low	2422	-23.54	-23.85	-23.79	-21.38	-16.99	≤2
Middle	2437	-23.57	-23.71	-23.69	-22.42	-17.29	≤2
High	2452	-23.63	-23.08	-22.87	-21.73	-16.75	≤2

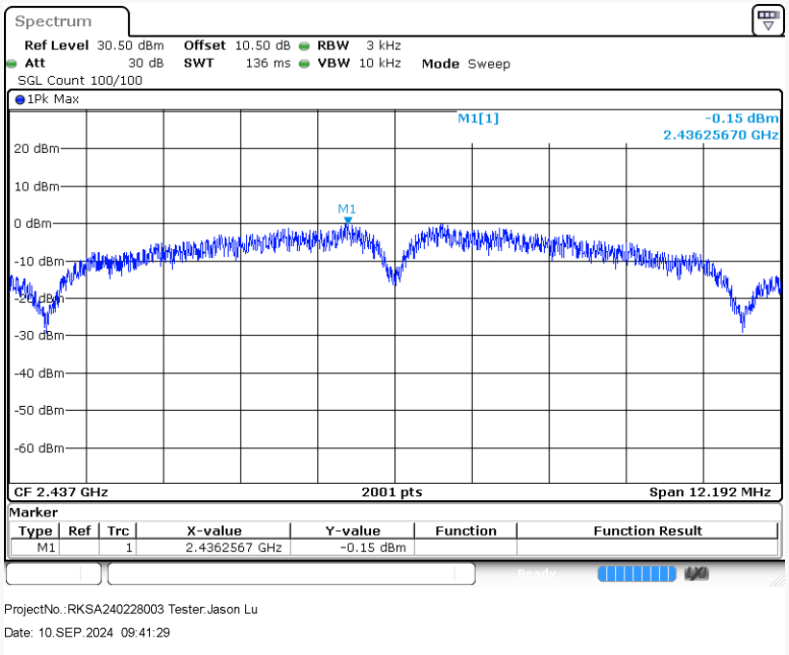
Note:
The maximum antenna gain is 6 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10* log (NANT/NSS) dB.
So: Directional gain = GANT + Array Gain = 6 +10*log (4/1) =12dBi ＞6dBi, so power spectral density limit was reduced 6dB

Chain 1:

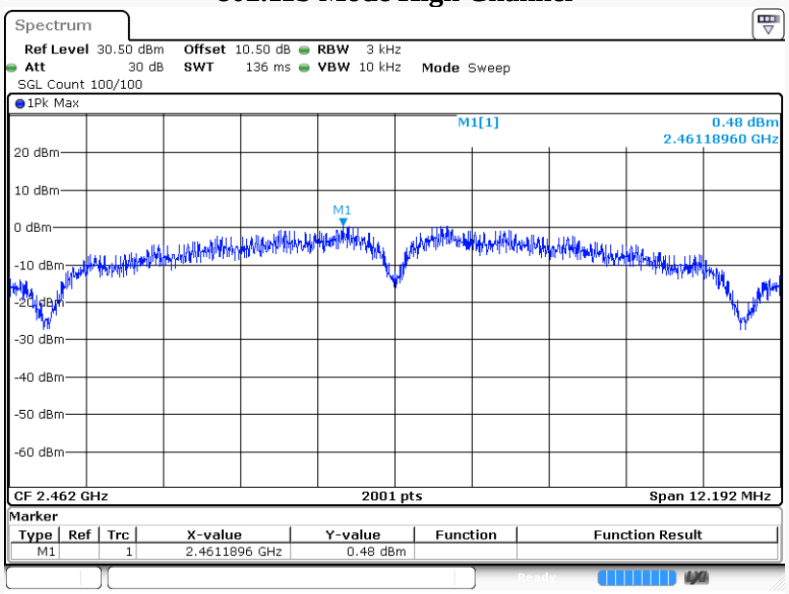
802.11b Mode Low Channel



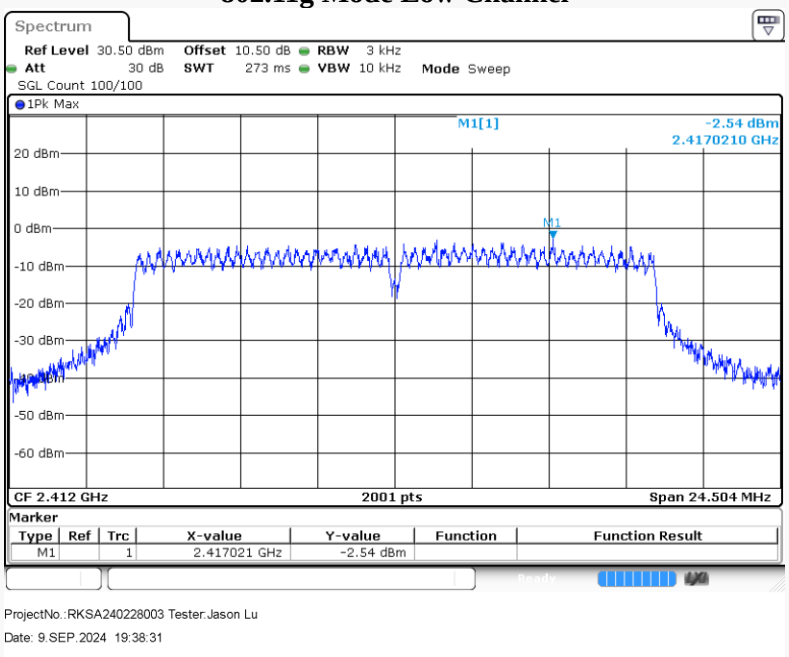
802.11b Mode Middle Channel



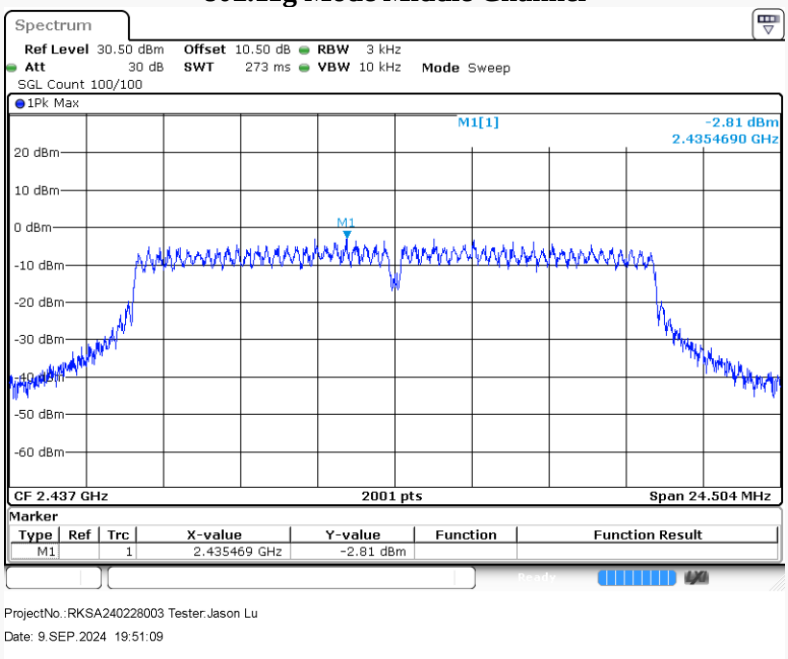
802.11b Mode High Channel



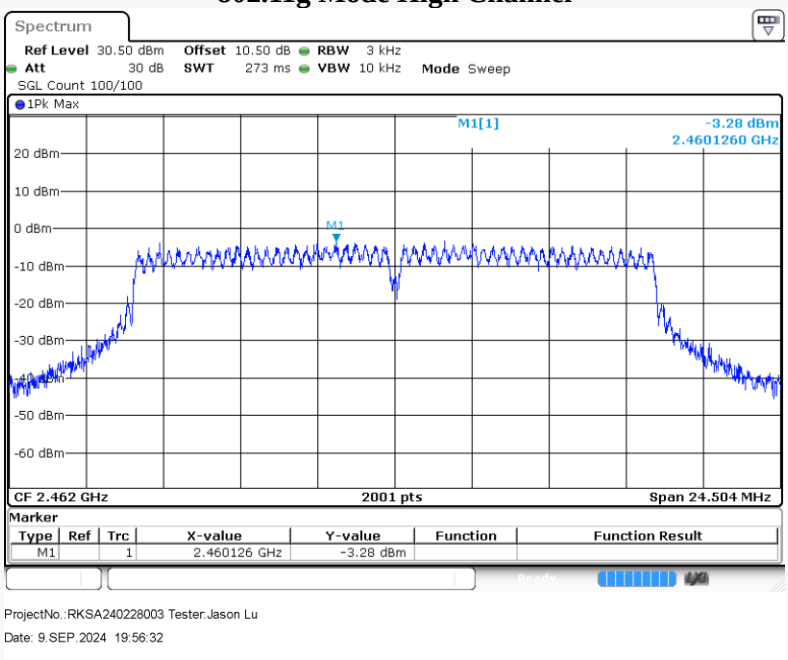
802.11g Mode Low Channel



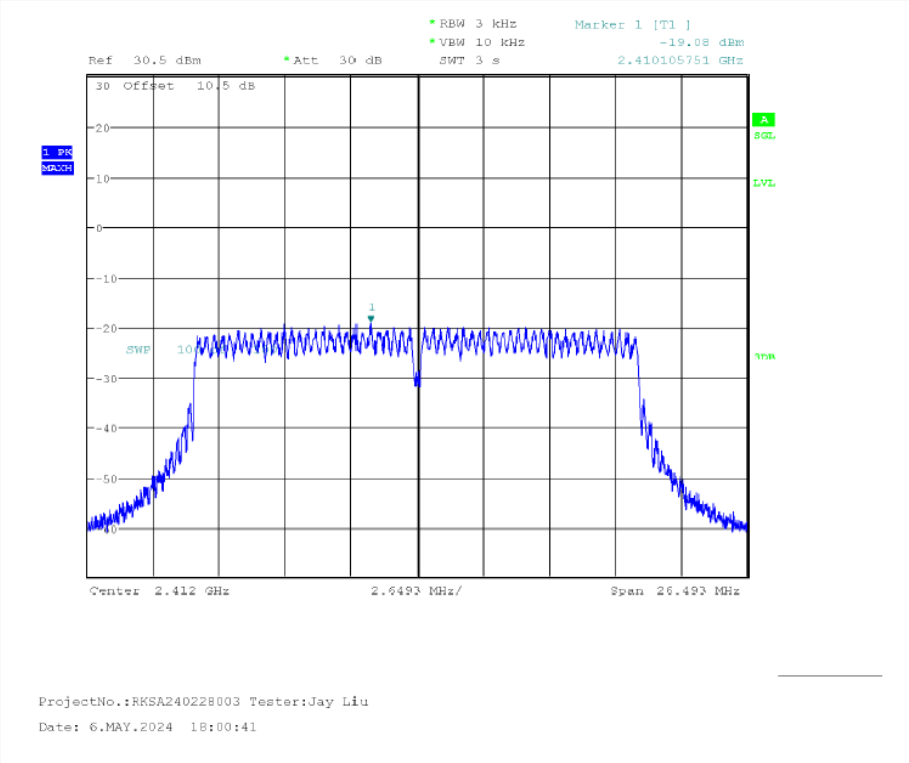
802.11g Mode Middle Channel



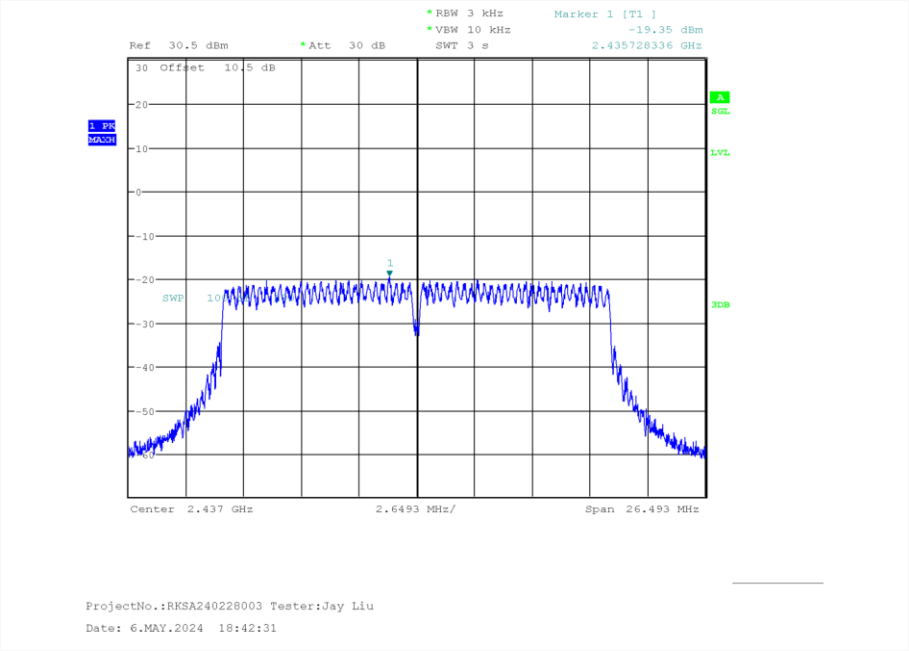
802.11g Mode High Channel



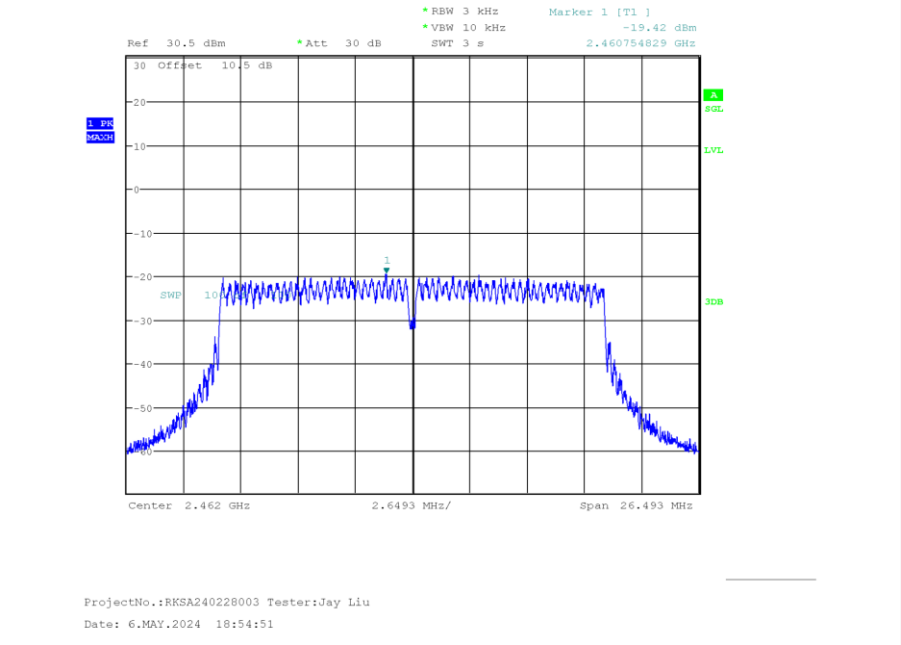
802.11n-HT20 Mode Low Channel



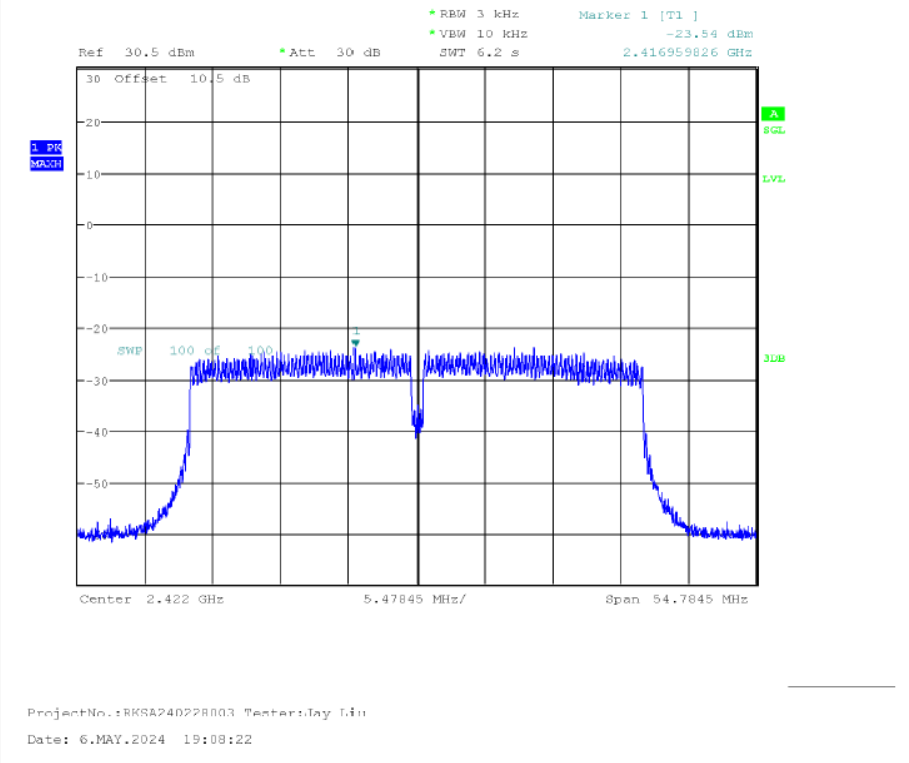
802.11n-HT20 Mode Middle Channel



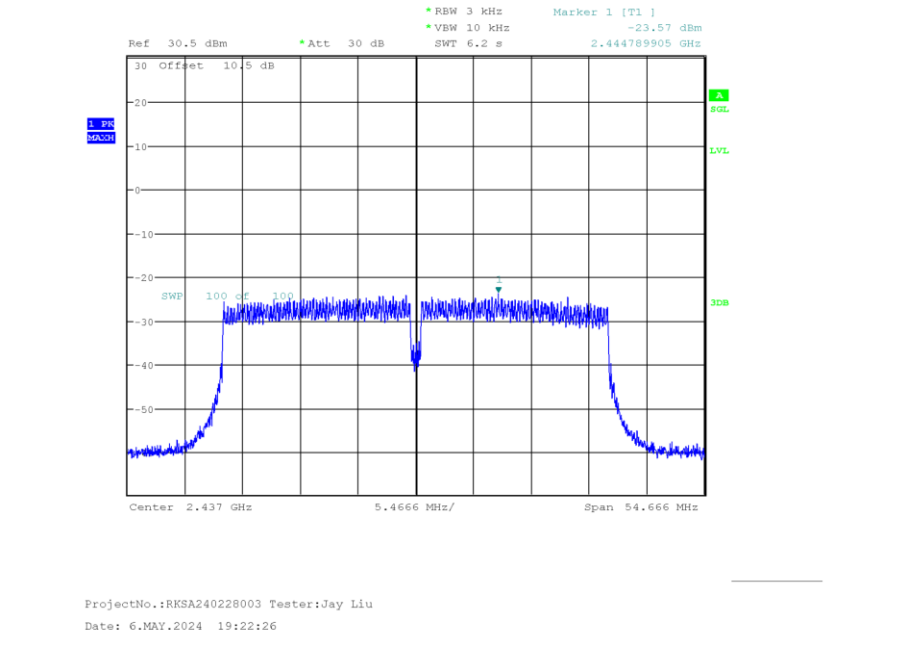
802.11n-HT20 Mode High Channel



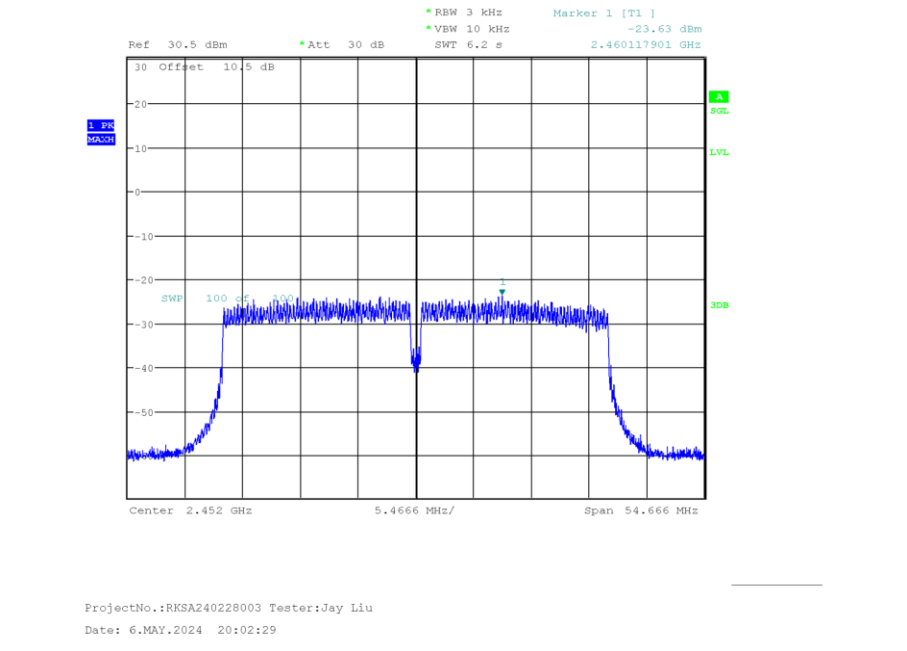
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel

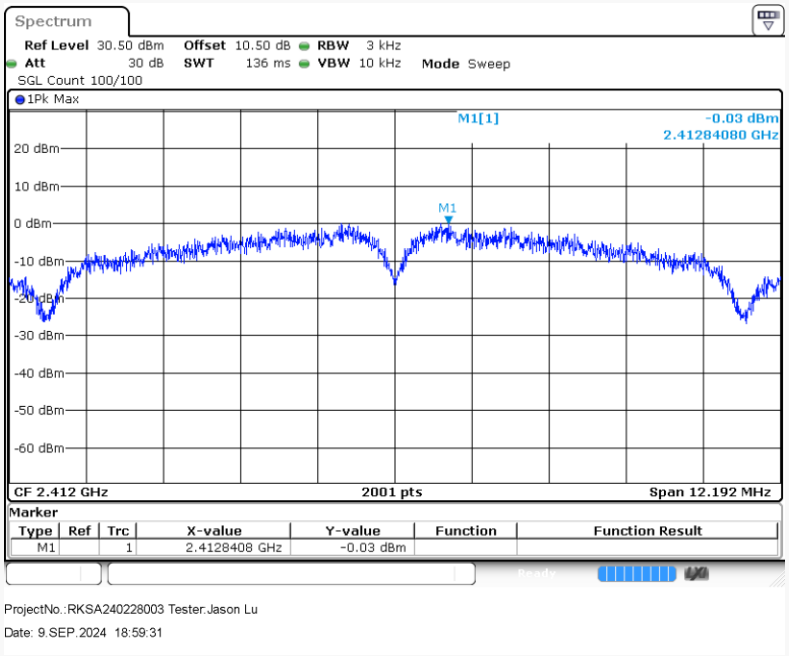


802.11n-HT40 Mode High Channel

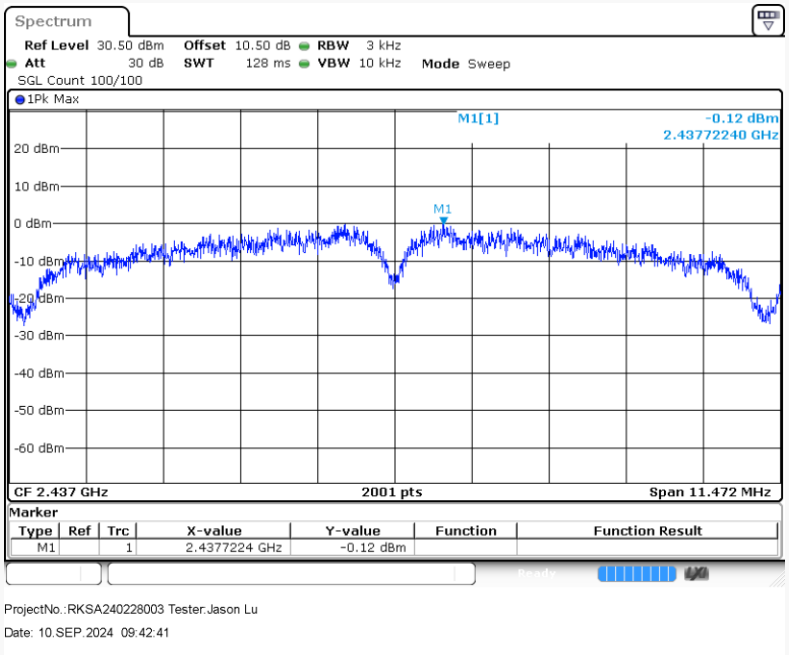


Chain 2:

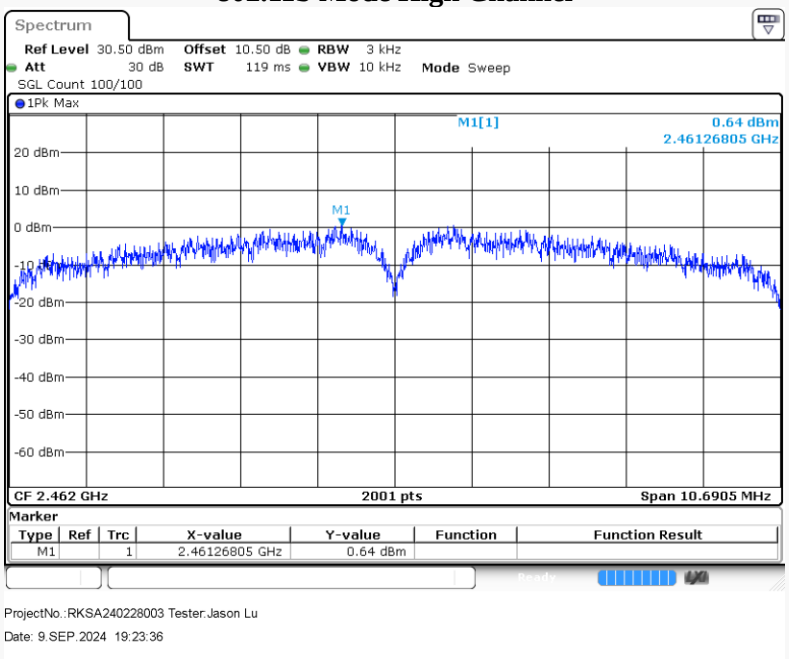
802.11b Mode Low Channel



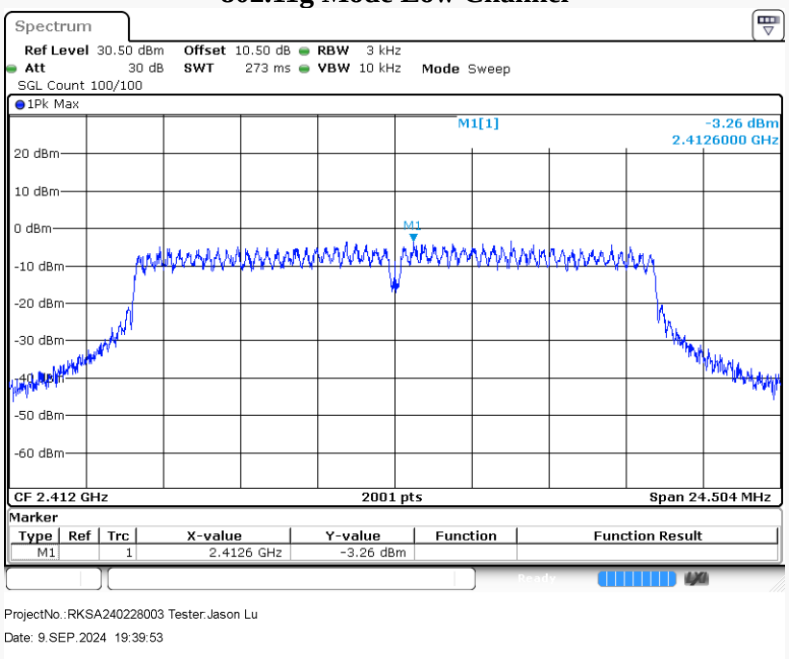
802.11b Mode Middle Channel



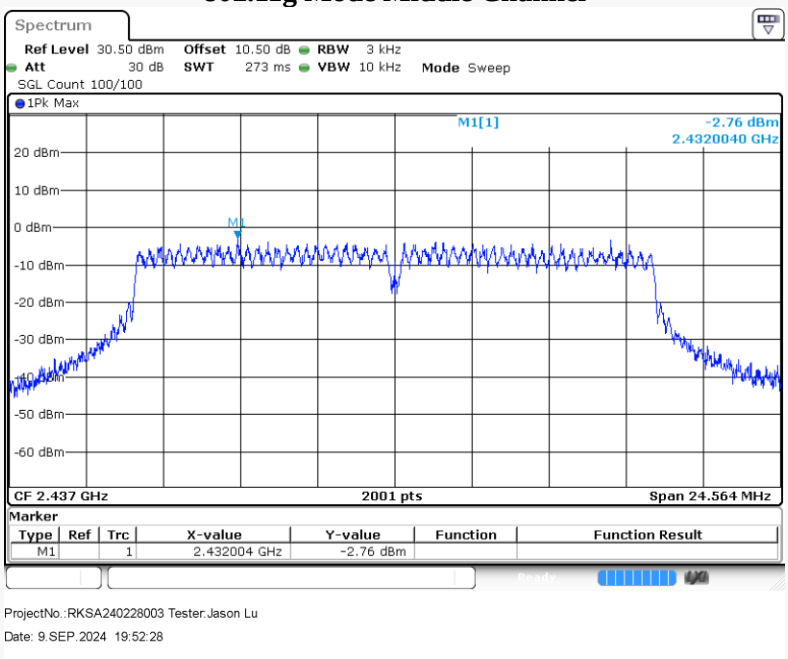
802.11b Mode High Channel



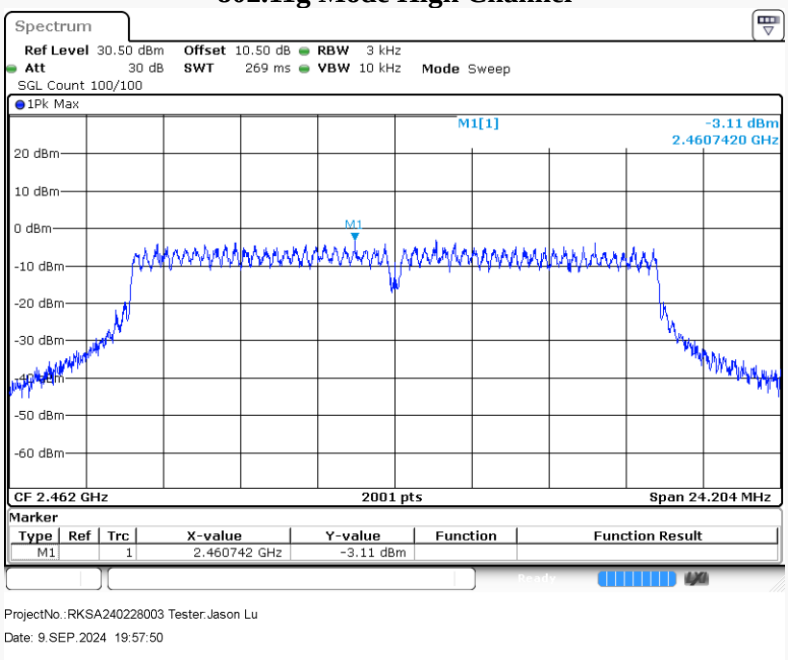
802.11g Mode Low Channel



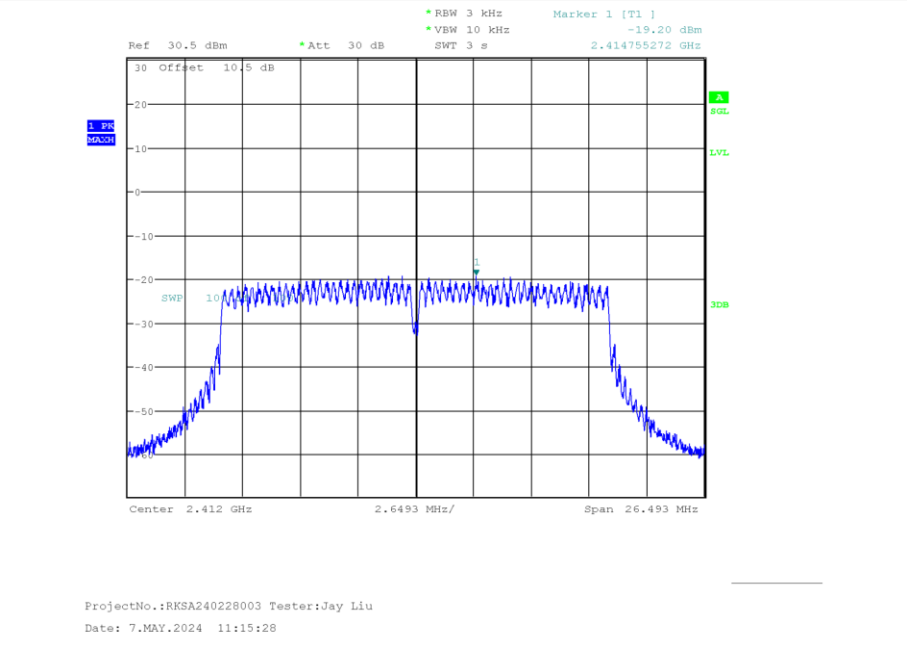
802.11g Mode Middle Channel



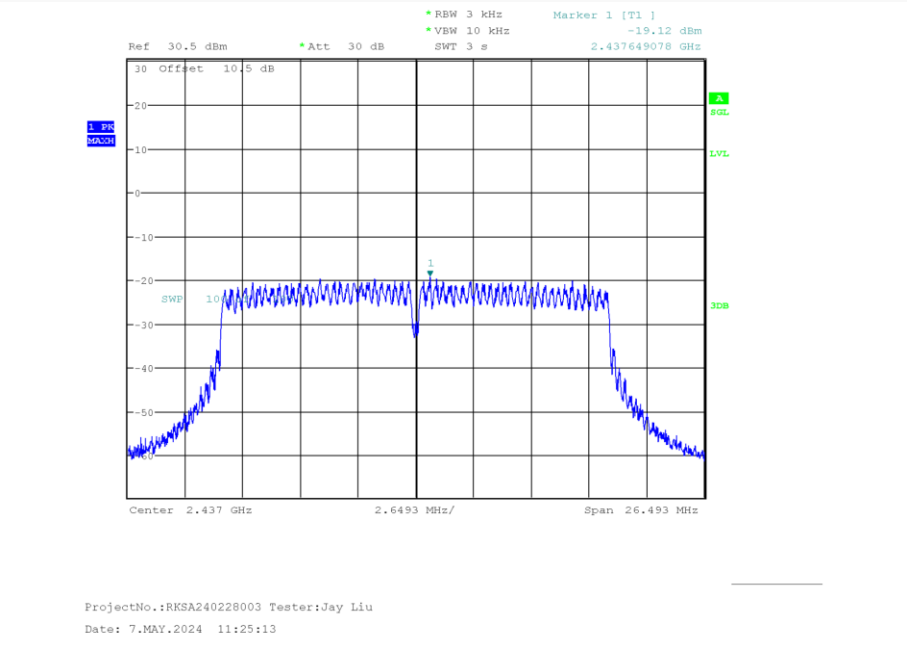
802.11g Mode High Channel



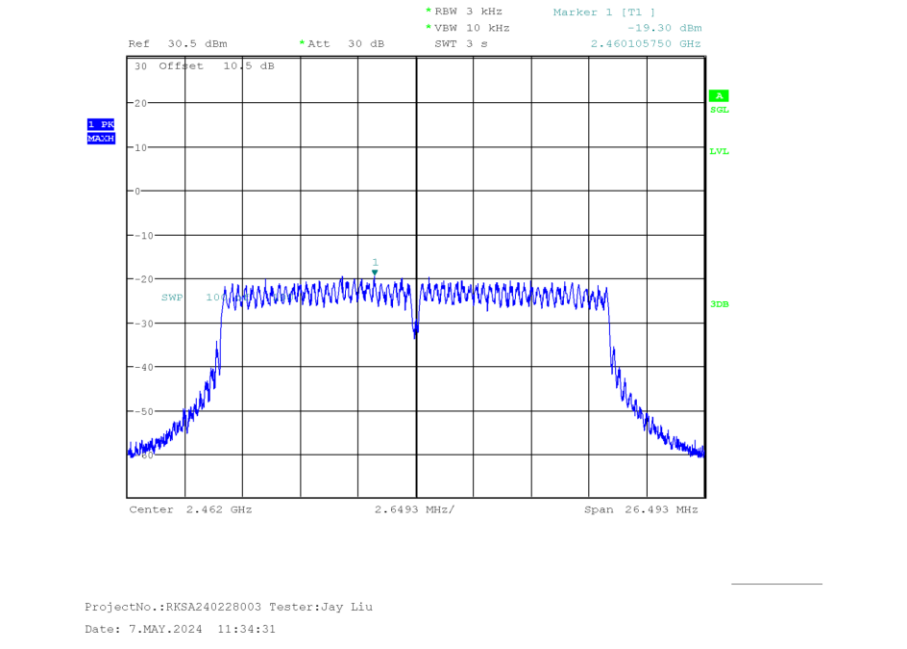
802.11n-HT20 Mode Low Channel



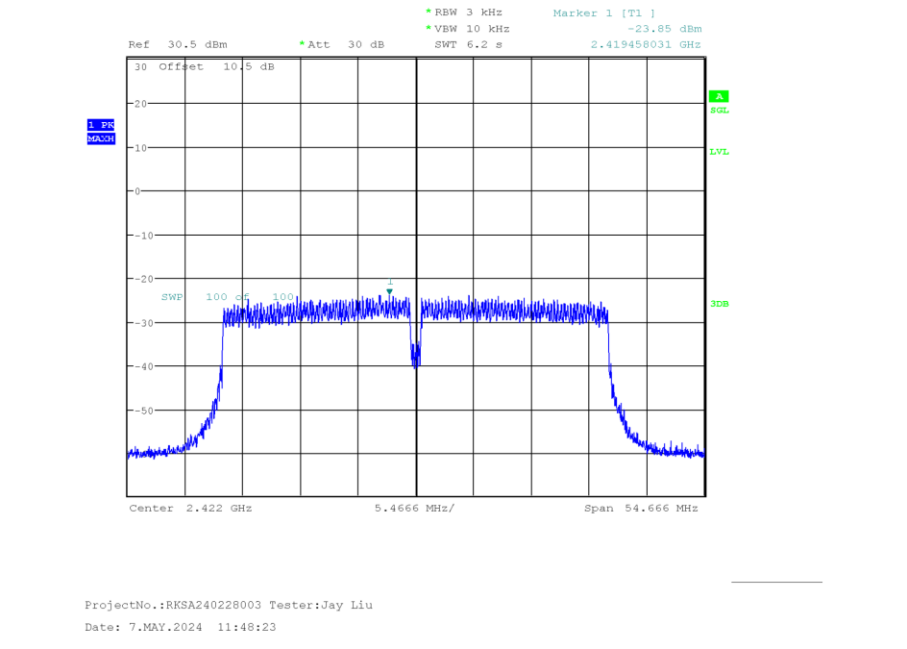
802.11n-HT20 Mode Middle Channel



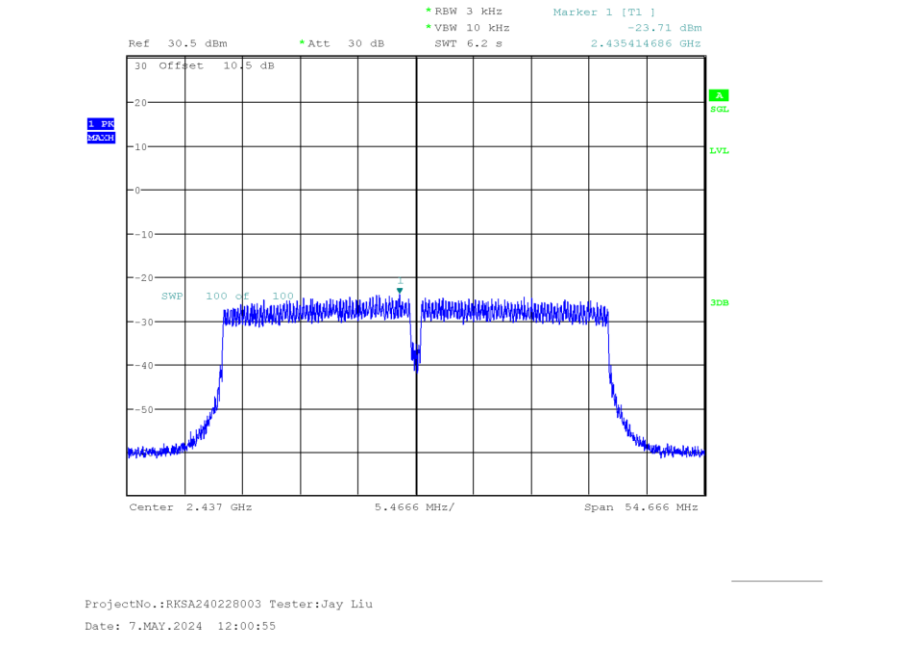
802.11n-HT20 Mode High Channel



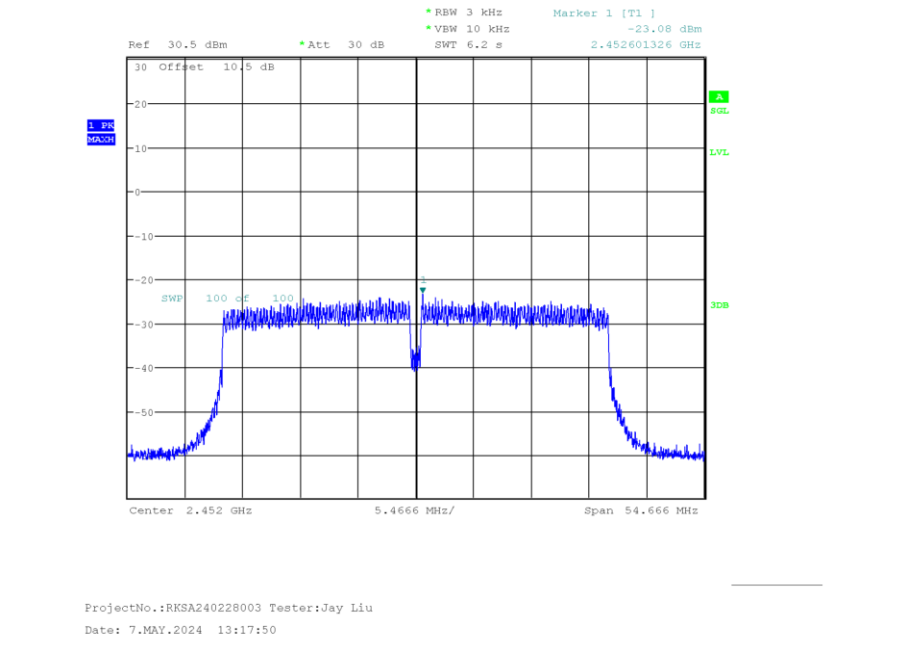
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel

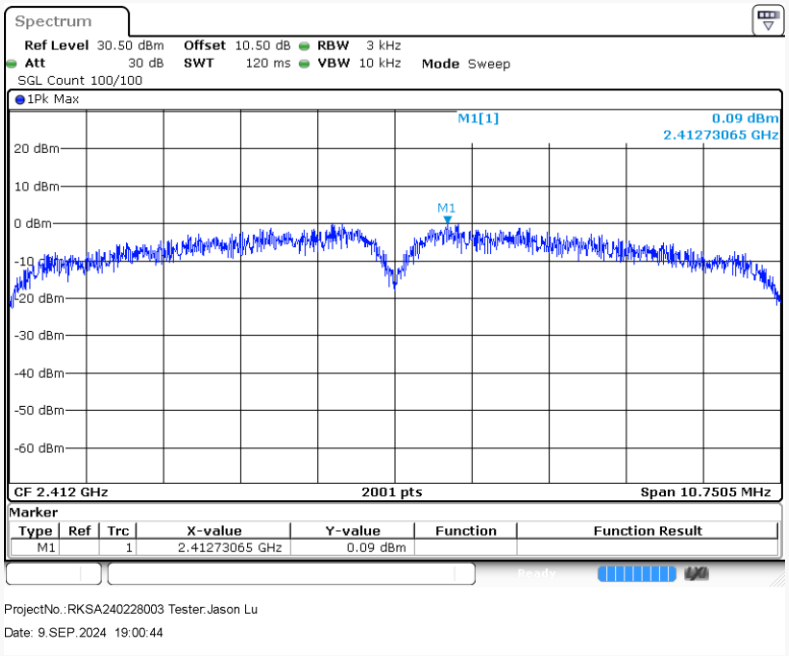


802.11n-HT40 Mode High Channel

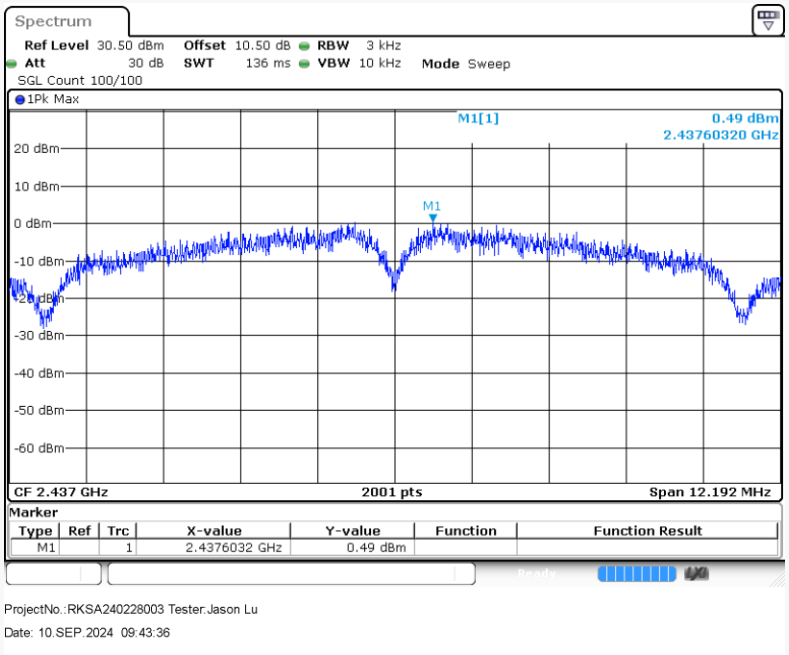


Chain 3:

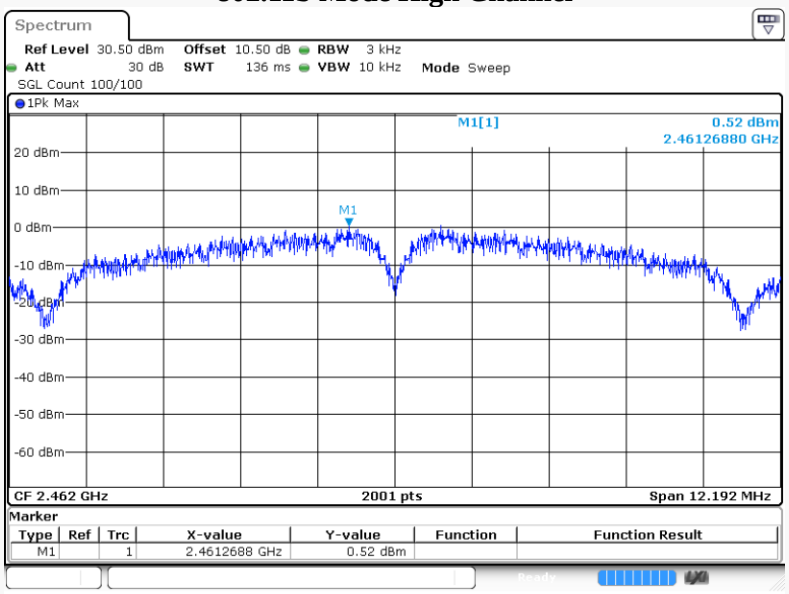
802.11b Mode Low Channel



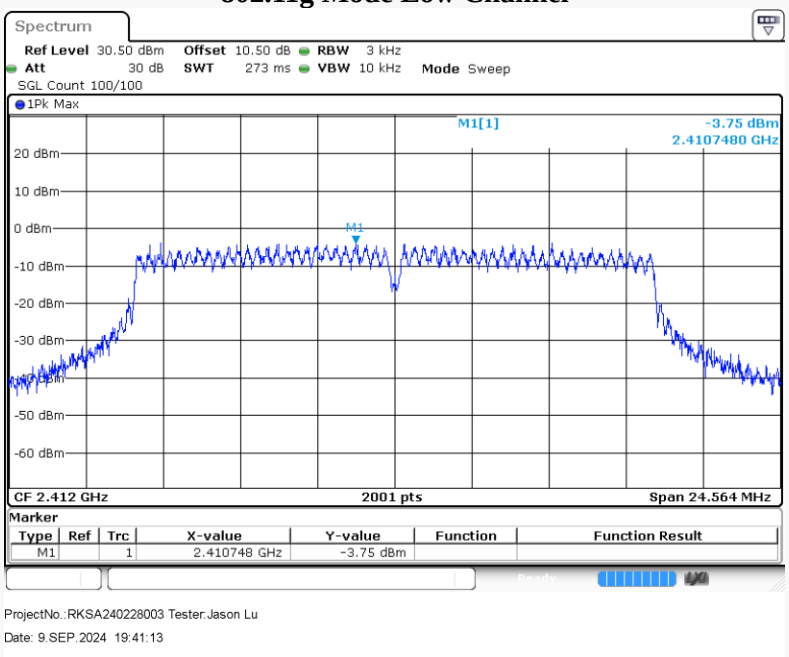
802.11b Mode Middle Channel



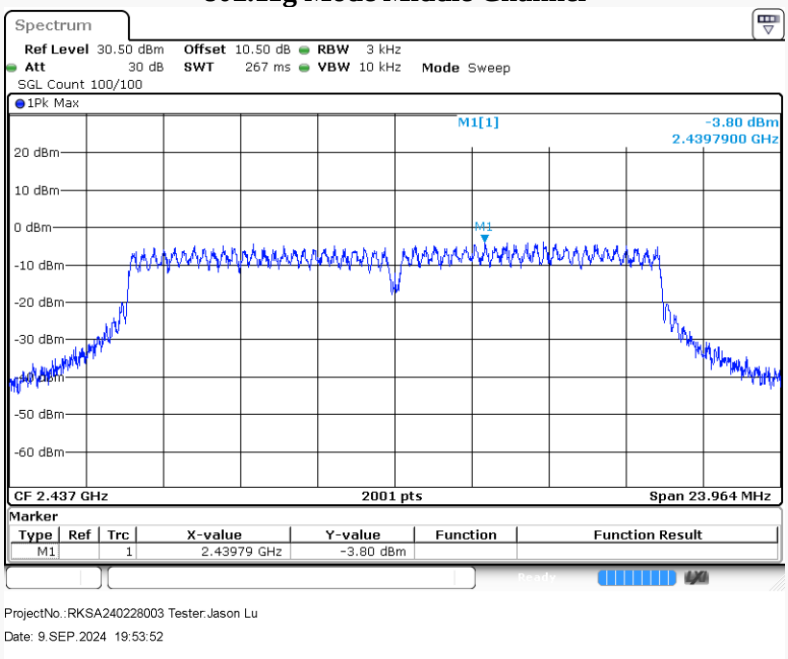
802.11b Mode High Channel



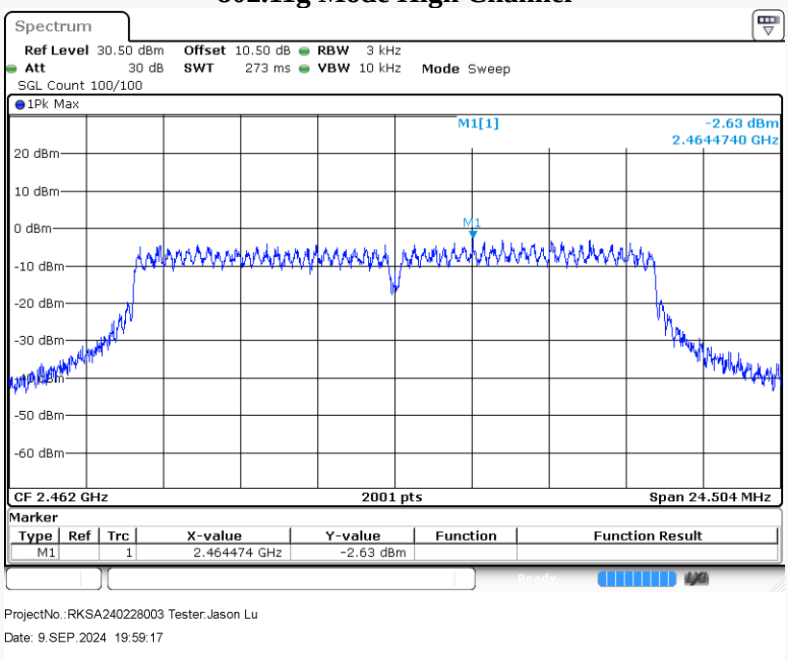
802.11g Mode Low Channel



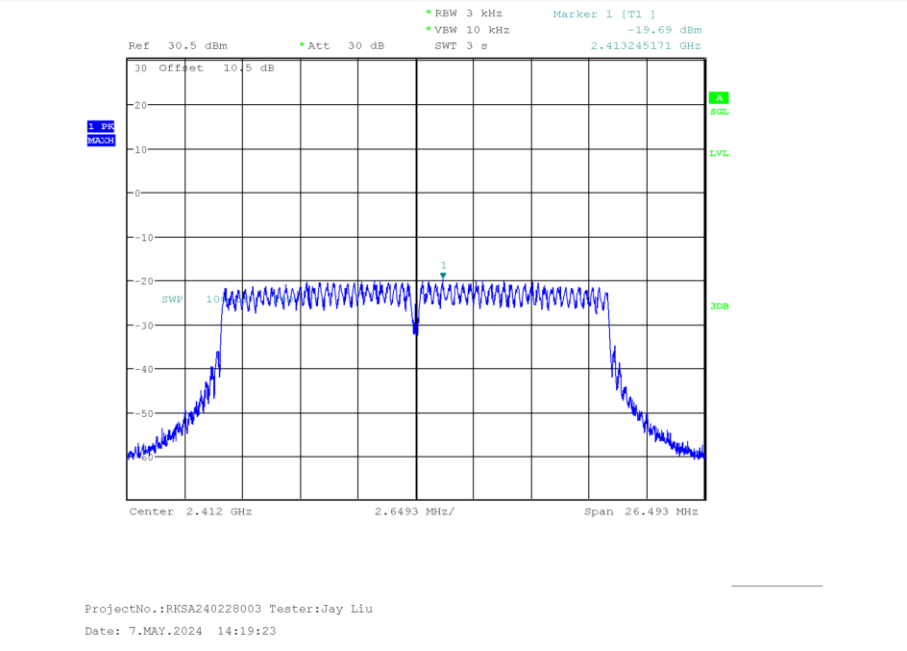
802.11g Mode Middle Channel



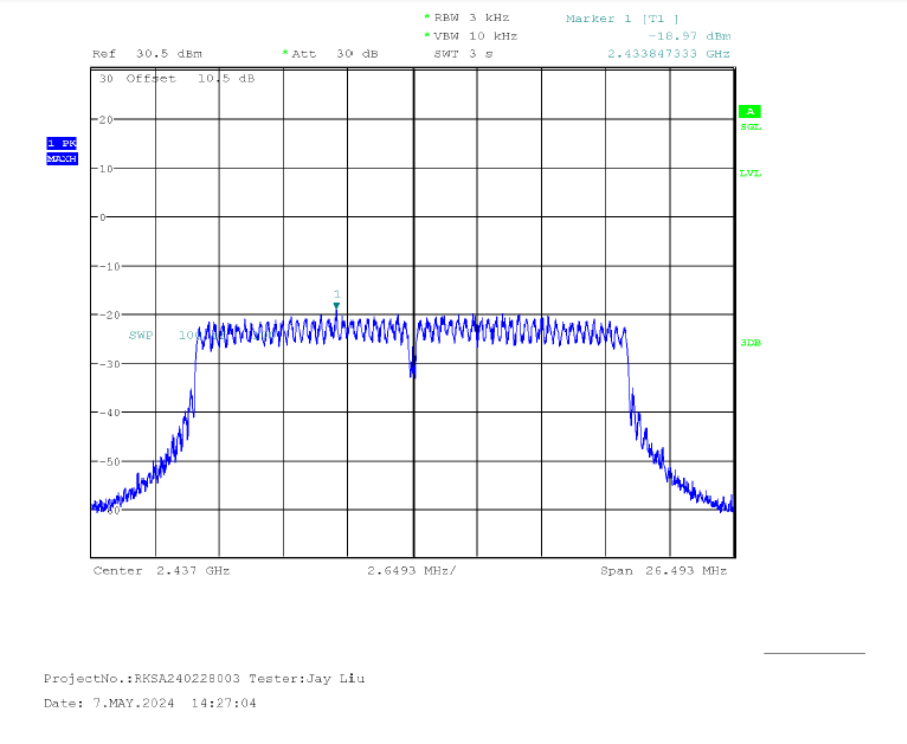
802.11g Mode High Channel



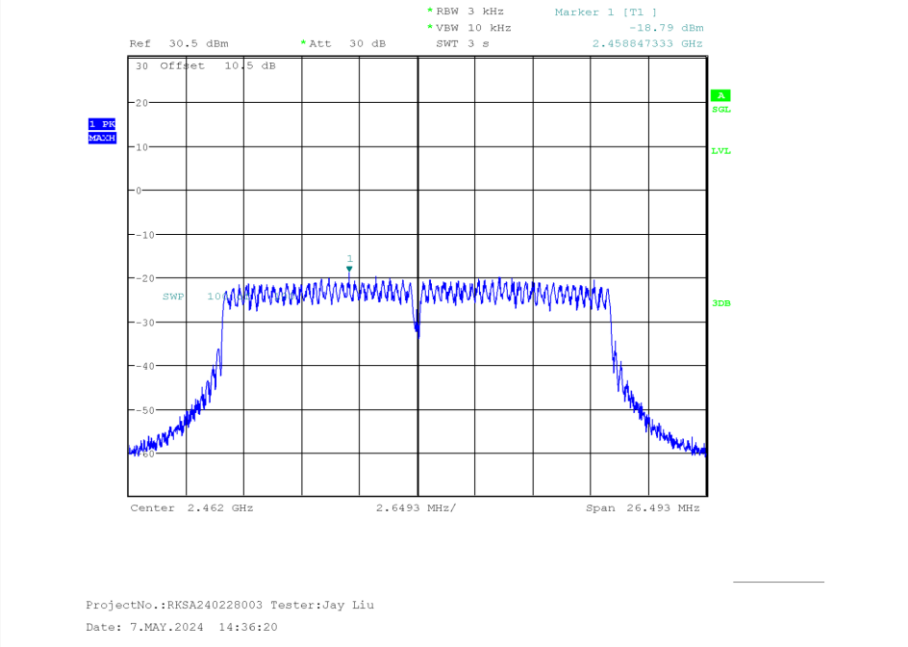
802.11n-HT20 Mode Low Channel



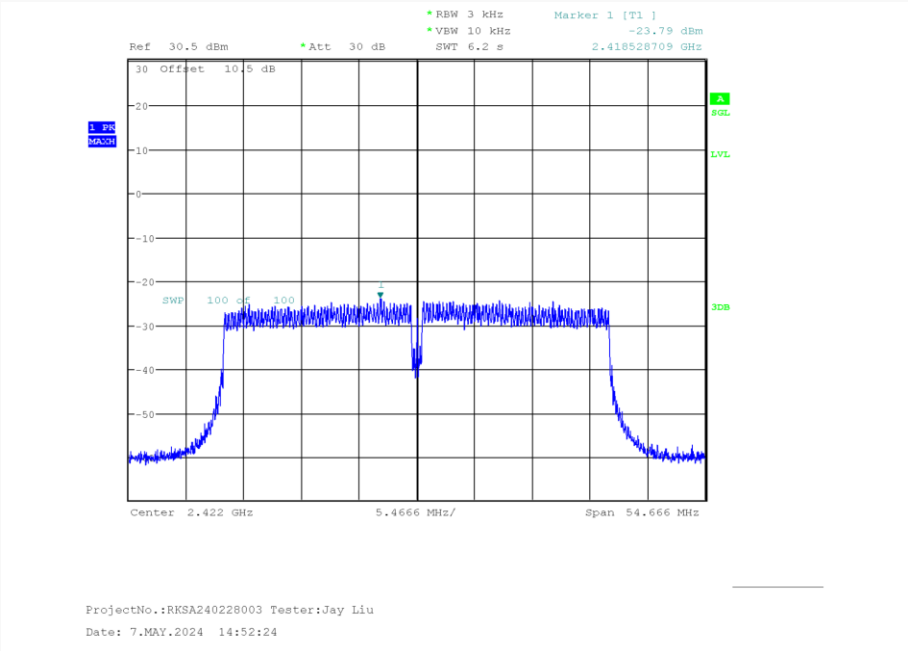
802.11n-HT20 Mode Middle Channel



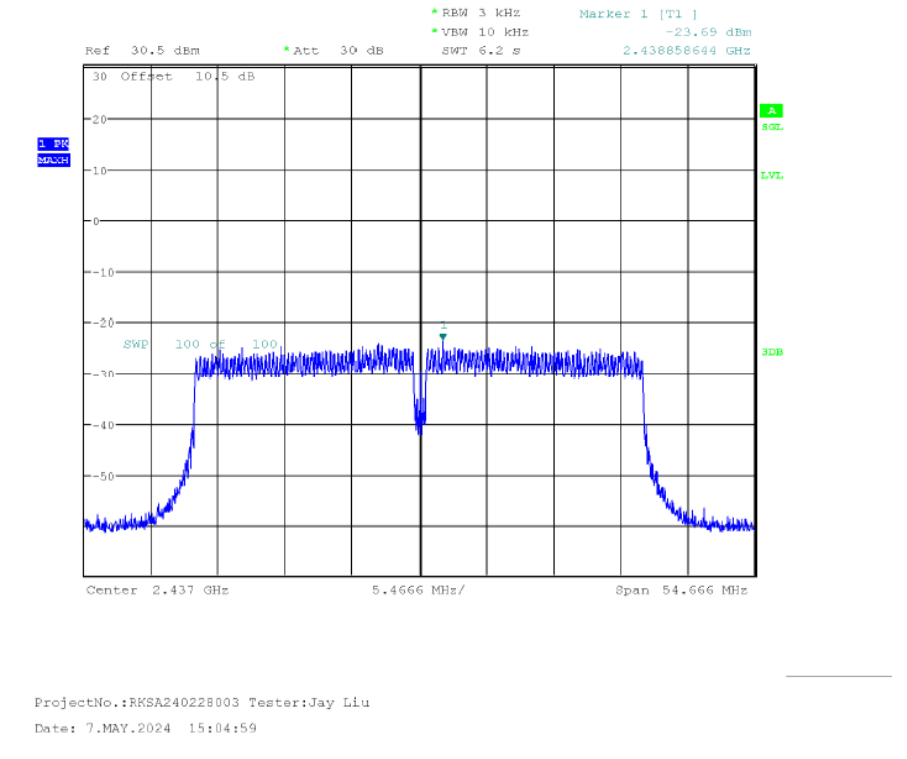
802.11n-HT20 Mode High Channel



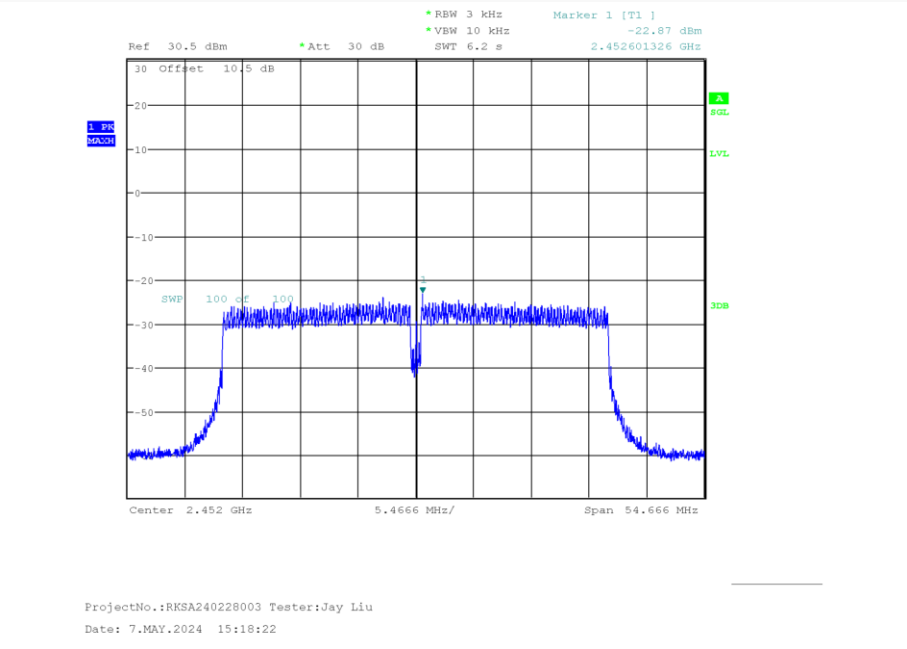
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel

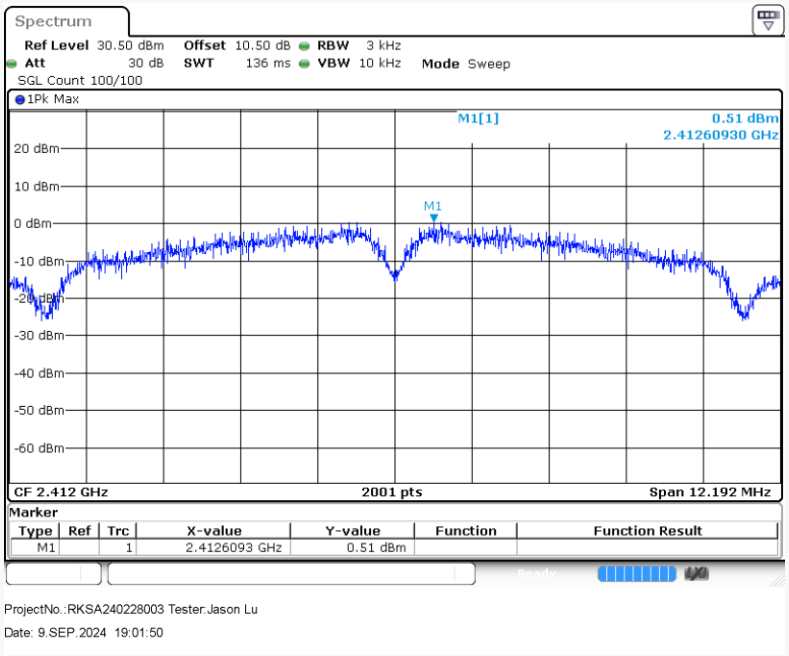


802.11n-HT40 Mode High Channel

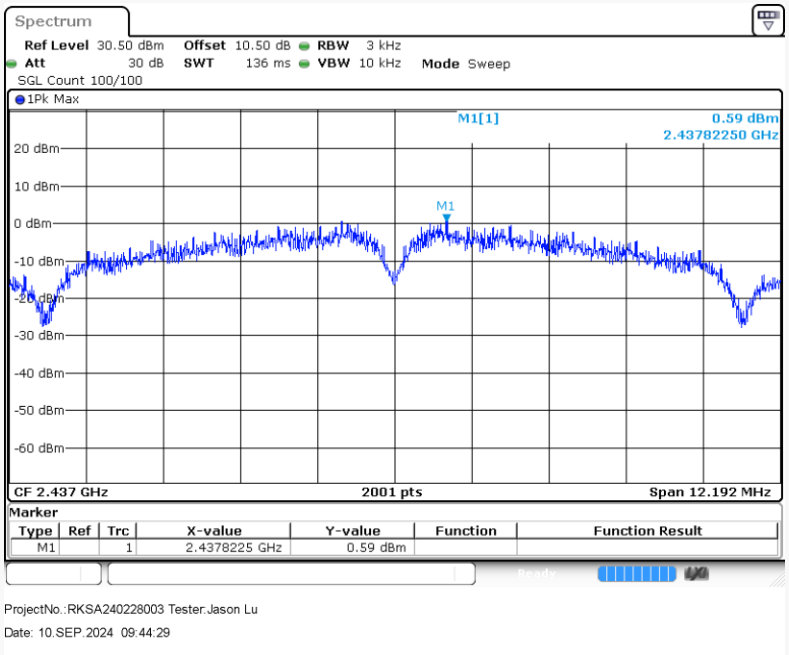


Chain 4:

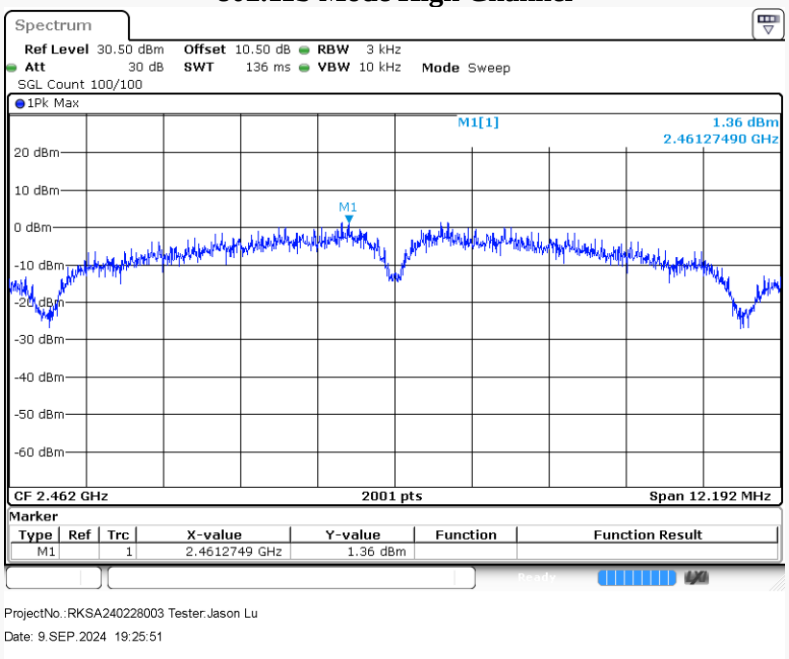
802.11b Mode Low Channel



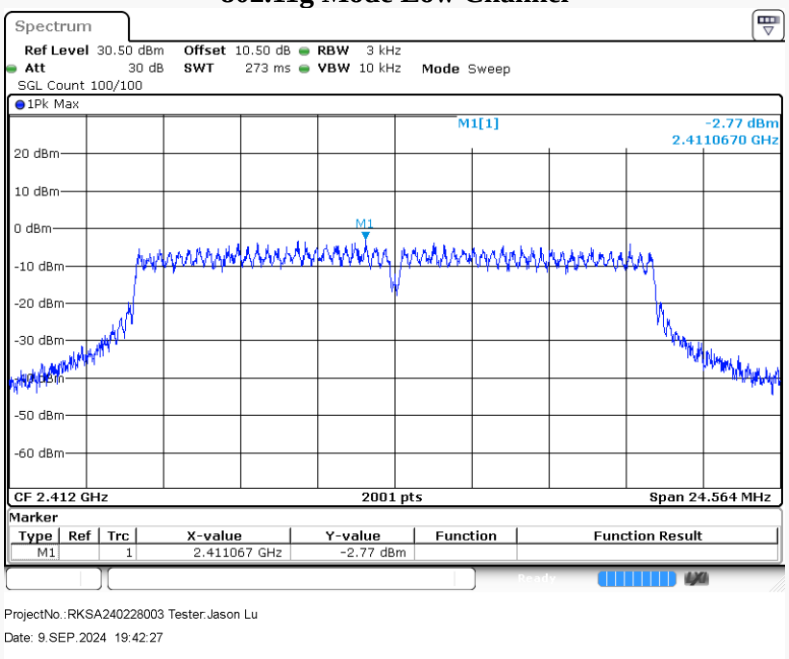
802.11b Mode Middle Channel



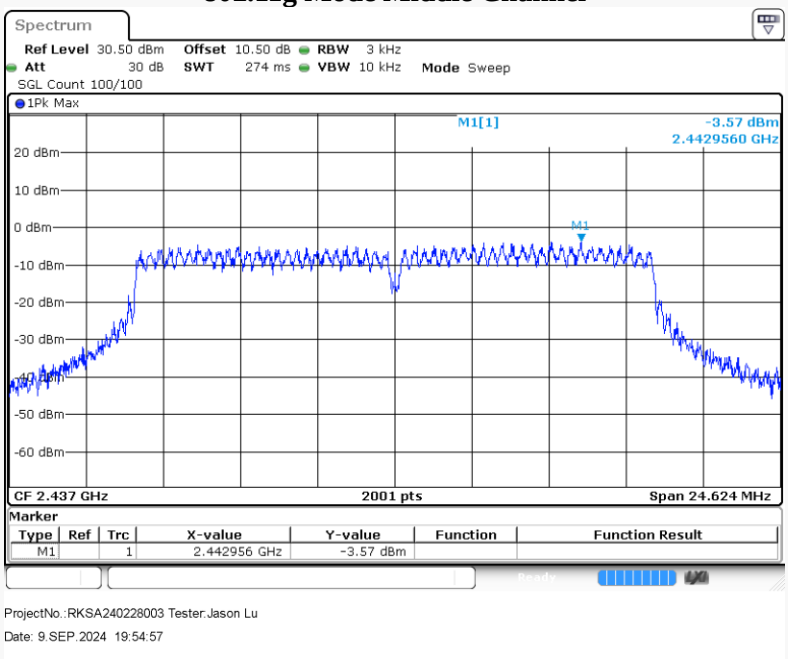
802.11b Mode High Channel



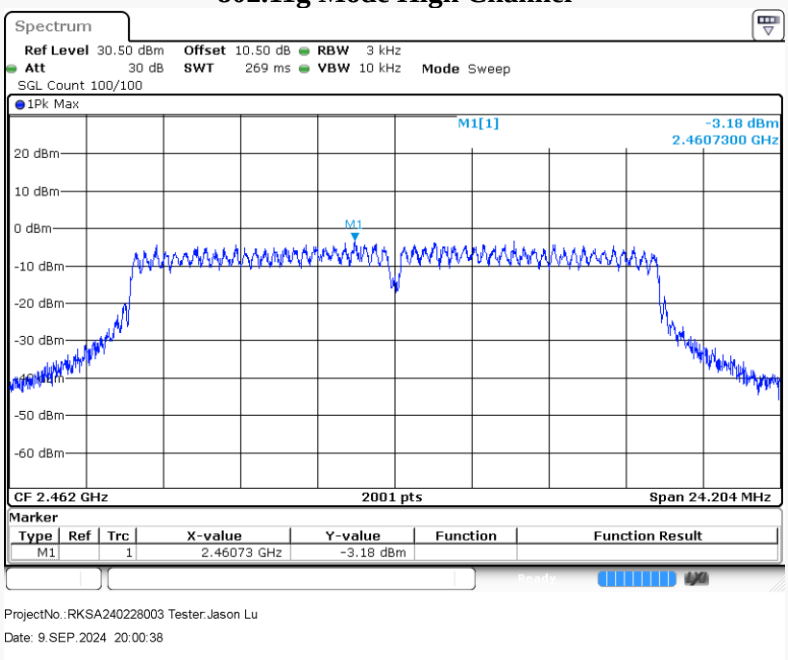
802.11g Mode Low Channel



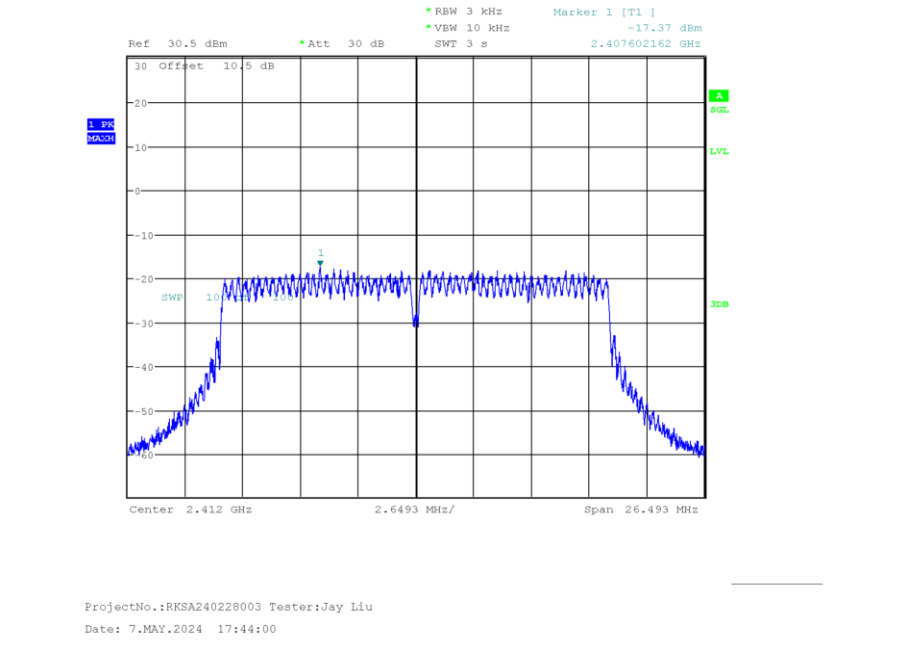
802.11g Mode Middle Channel



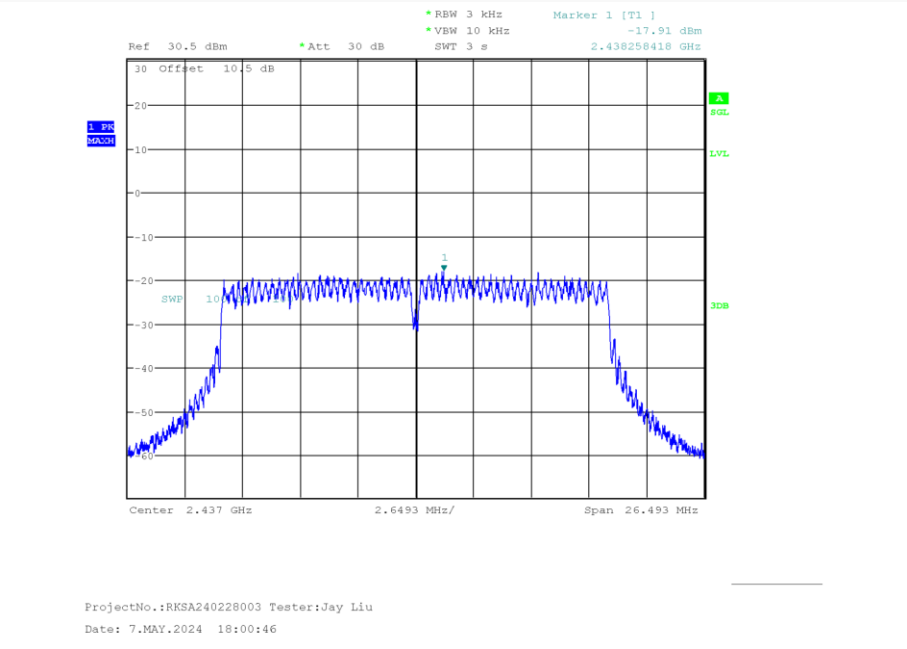
802.11g Mode High Channel



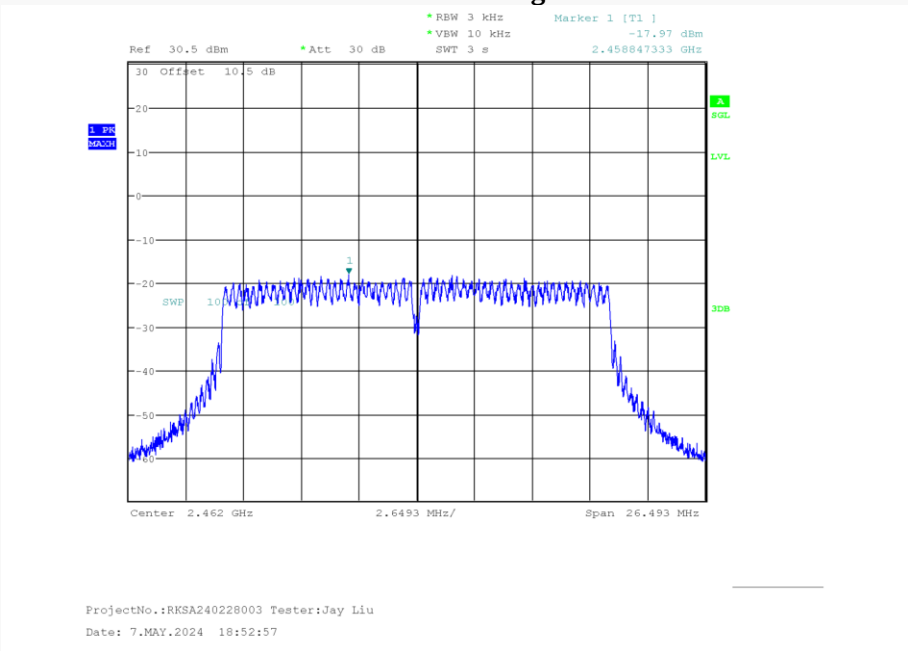
802.11n-HT20 Mode Low Channel



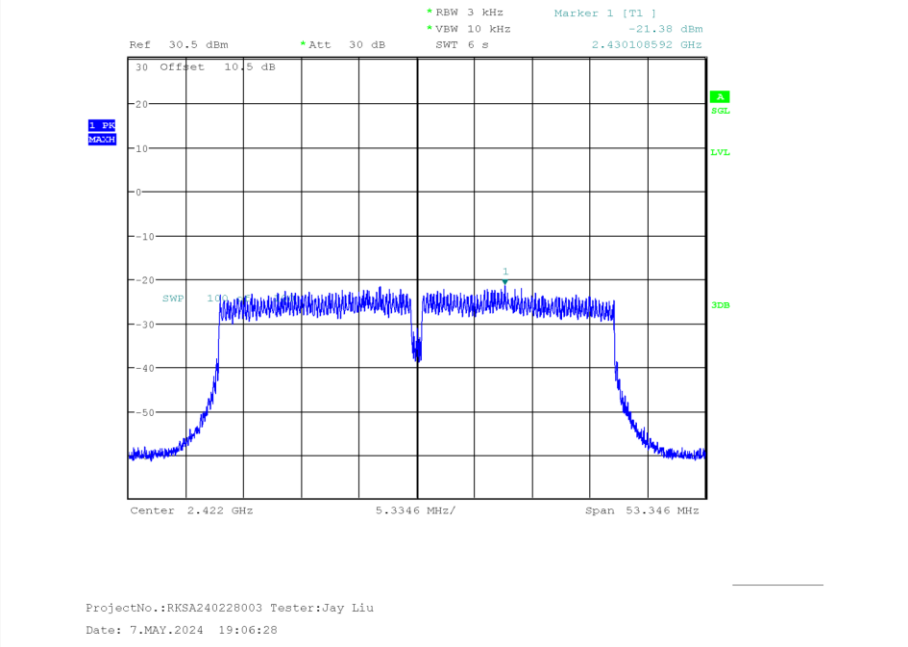
802.11n-HT20 Mode Middle Channel



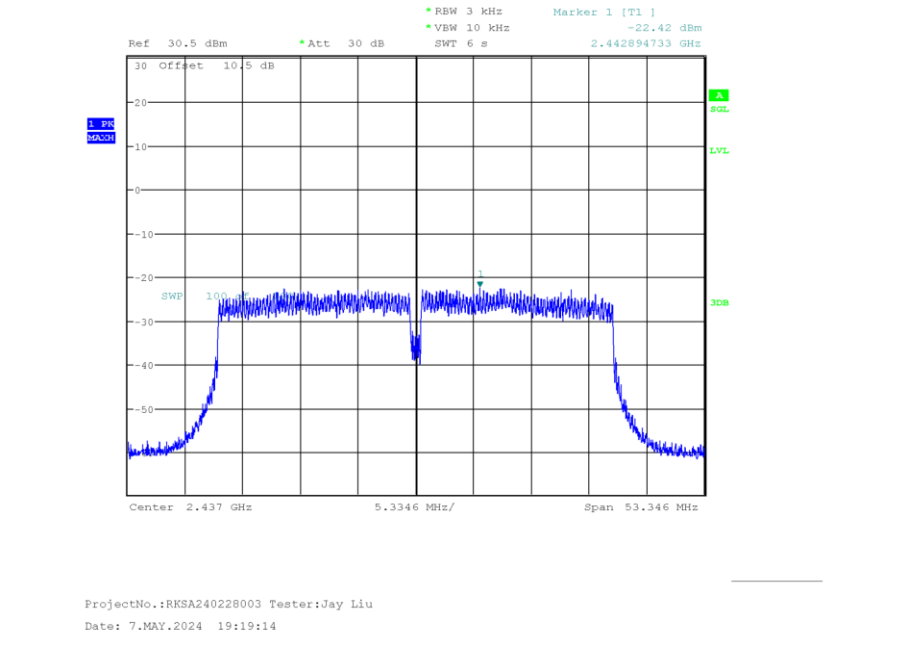
802.11n-HT20 Mode High Channel



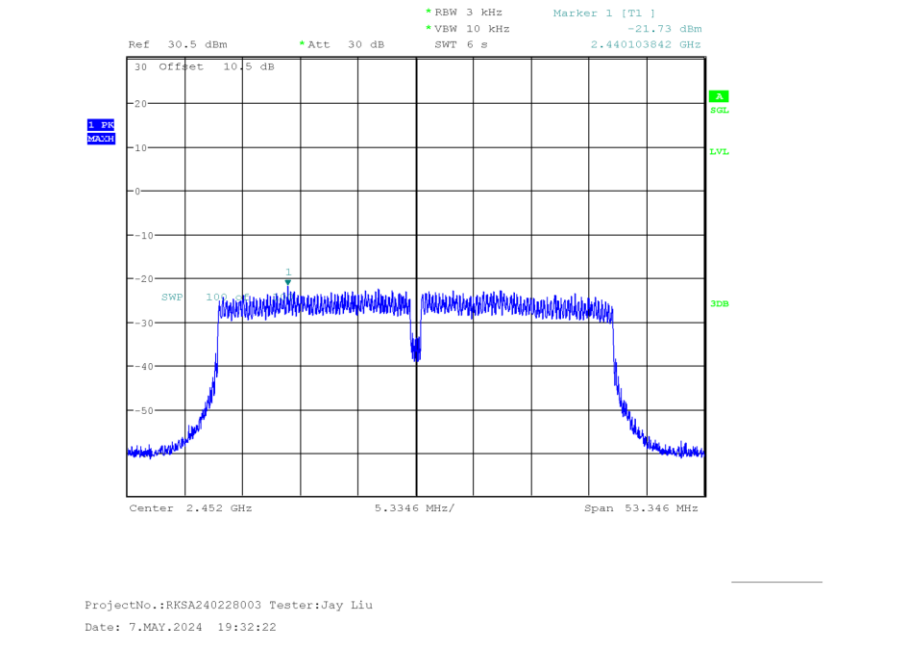
802.11n-HT40 Mode Low Channel



802.11n-HT40 Mode Middle Channel



802.11n-HT40 Mode High Channel



TRANSMITTER OUTPUT POWER MEASUREMENT

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)					Peak Output Power Limit (dBm)
		Chain 1	Chain 2	Chain 3	Chain 4	Total	
802.11b Mode							
Low	2412	21.62	21.56	21.36	21.65	/	≤30
Middle	2437	21.52	21.42	21.50	21.18	/	≤30
High	2462	21.63	21.24	21.39	21.20	/	≤30
802.11g Mode							
Low	2412	23.07	23.36	23.10	23.79	/	≤30
Middle	2437	22.73	23.34	23.36	23.18	/	≤30
High	2462	22.99	23.14	23.18	23.56	/	≤30
802.11n-HT20 Mode							
Low	2412	21.39	21.50	21.25	21.63	27.46	≤30
Middle	2437	21.29	21.48	21.50	21.46	27.45	≤30
High	2462	21.37	21.68	21.24	21.73	27.53	≤30
802.11n-HT40 Mode							
Low	2422	19.95	19.94	19.54	20.00	25.88	≤30
Middle	2437	19.73	19.63	19.58	19.80	25.70	≤30
High	2452	19.79	19.78	19.68	19.81	25.79	≤30

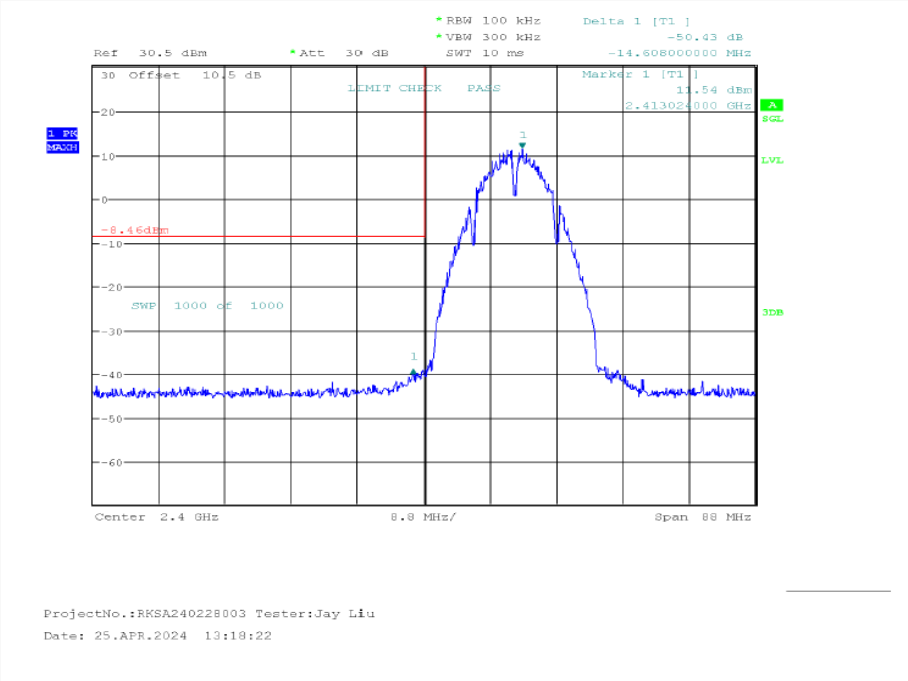
Note:
The maximum antenna gain is 6dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;
So: Directional gain = GANT + Array Gain =6dBi, no RF out power limit was reduced.

100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

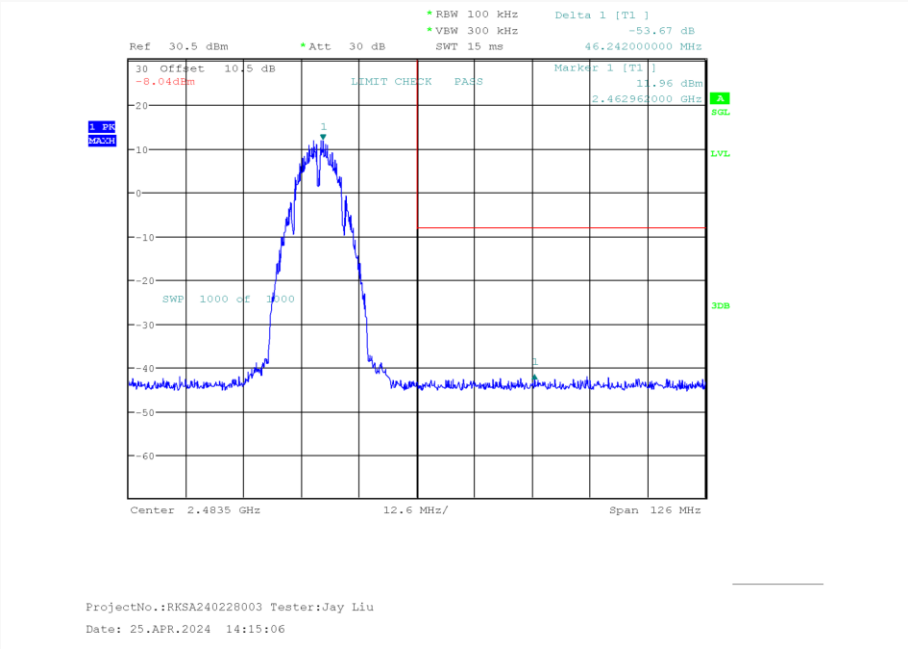
EUT operation mode: Transmitting

Chain 1:

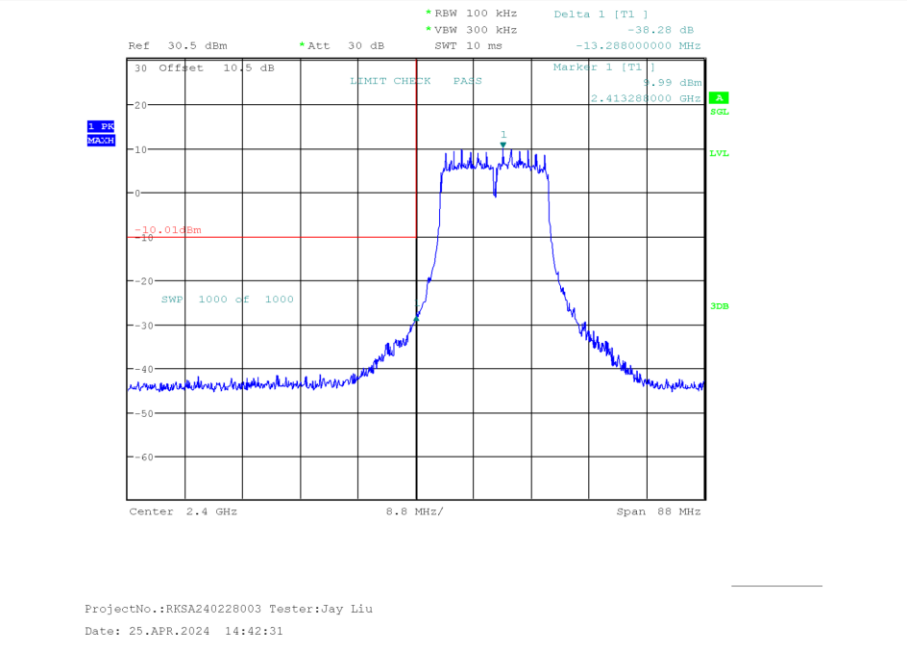
802.11b Mode Left Side



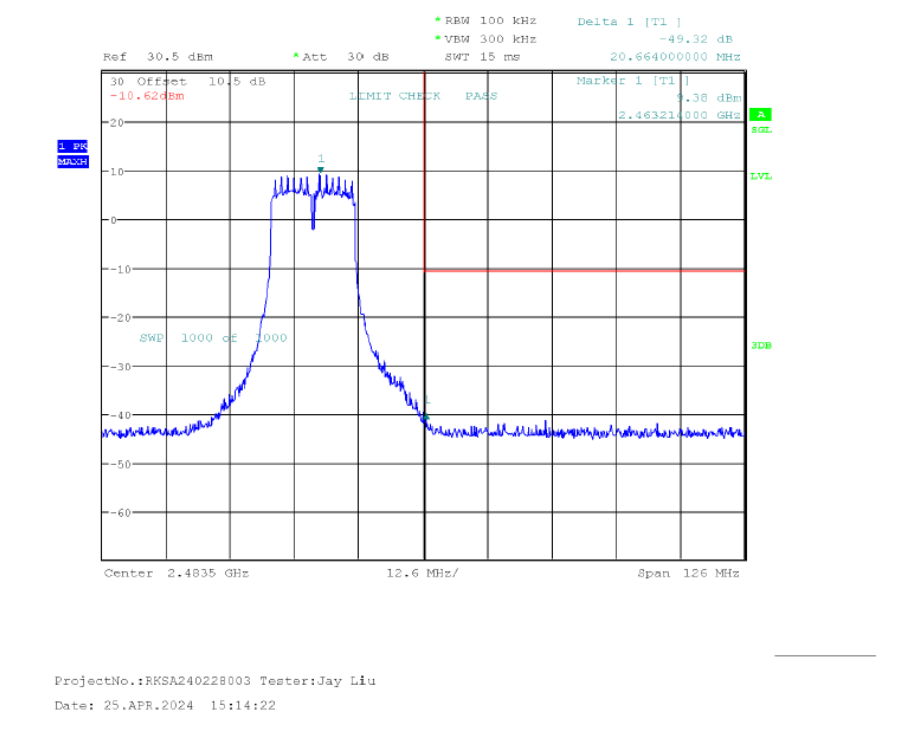
802.11b Mode Right Side



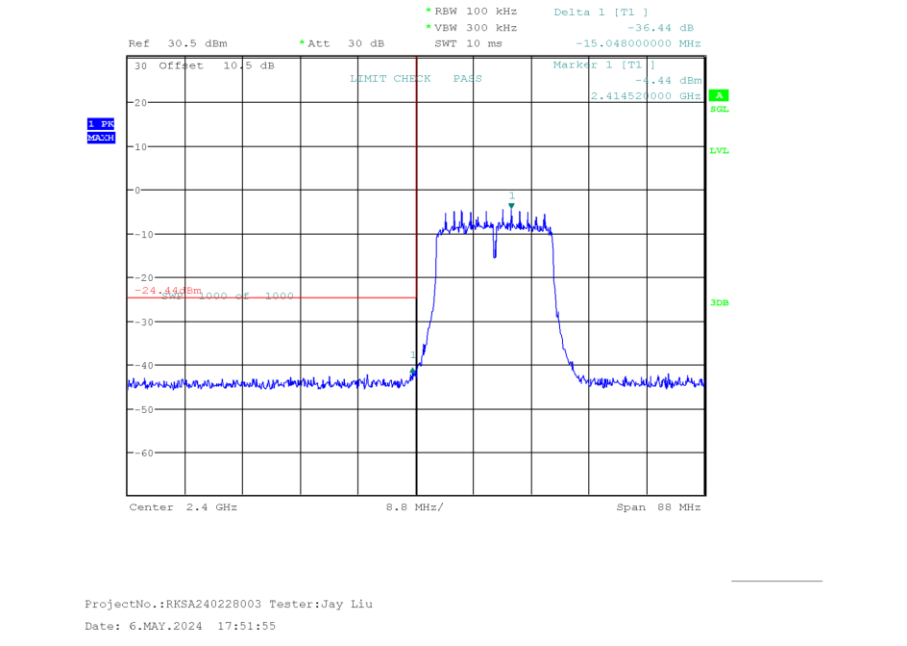
802.11g Mode Left Side



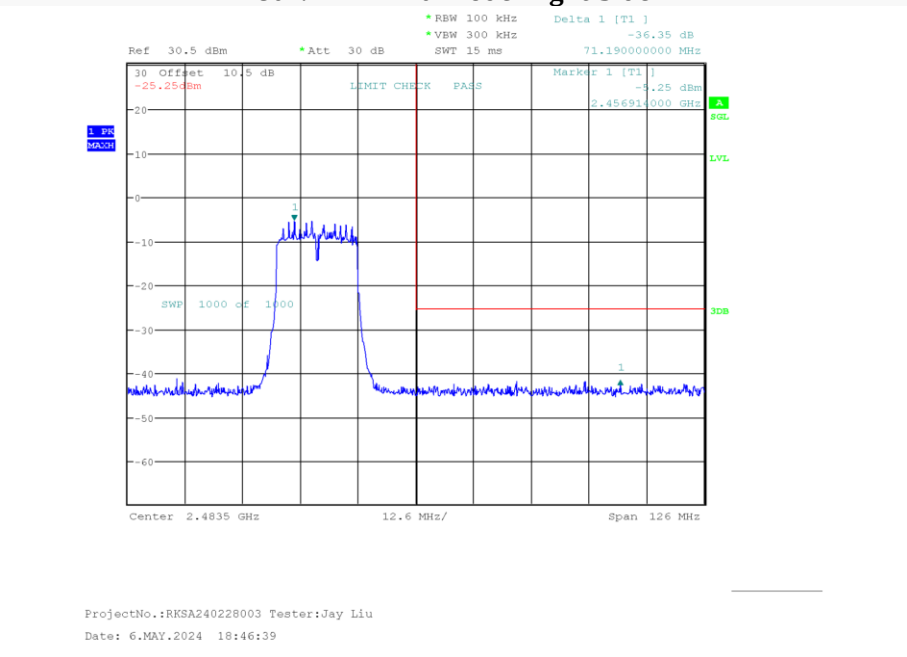
802.11g Mode Right Side



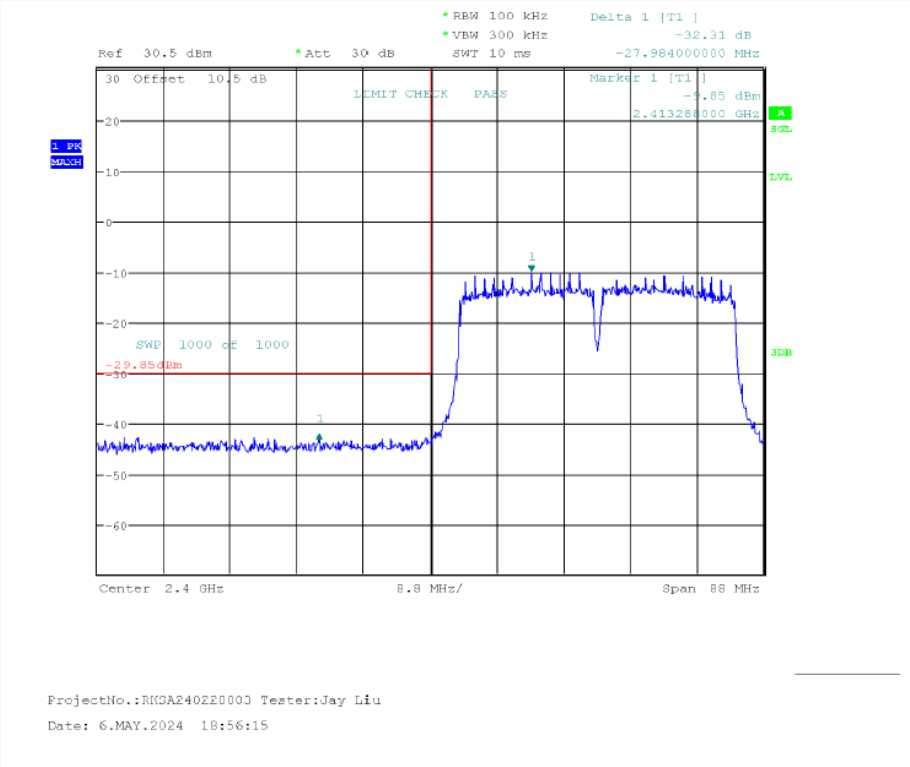
802.11n-HT20 Mode Left Side



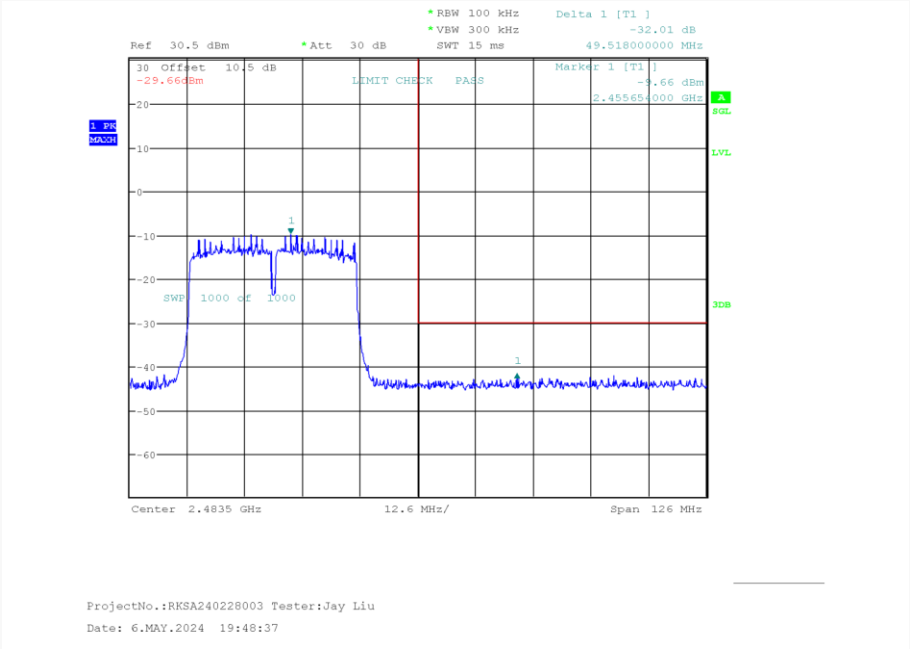
802.11n-HT20 Mode Right Side



802.11n-HT40 Mode Right Side

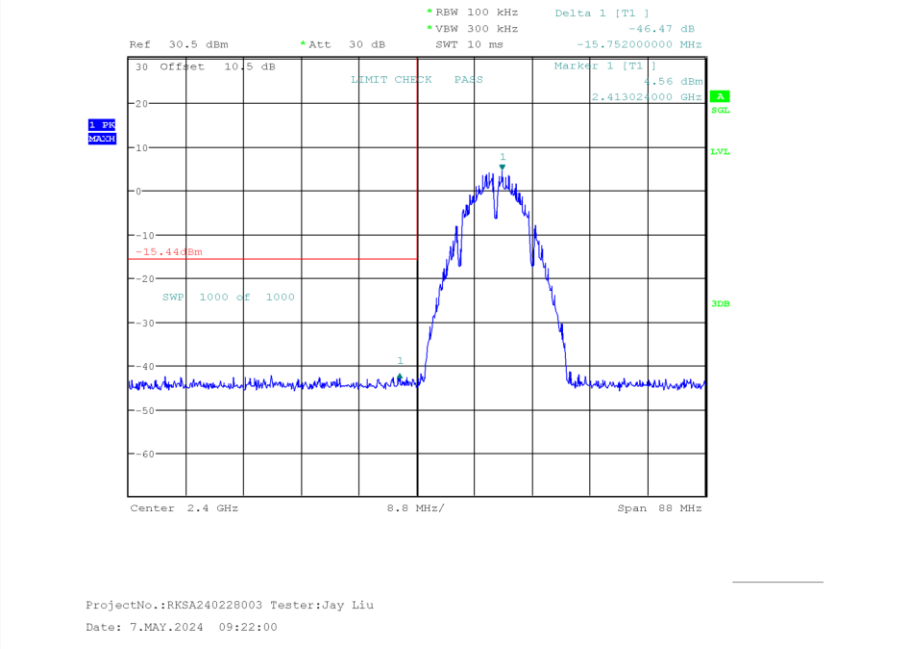


802.11n-HT40 Mode Right Side

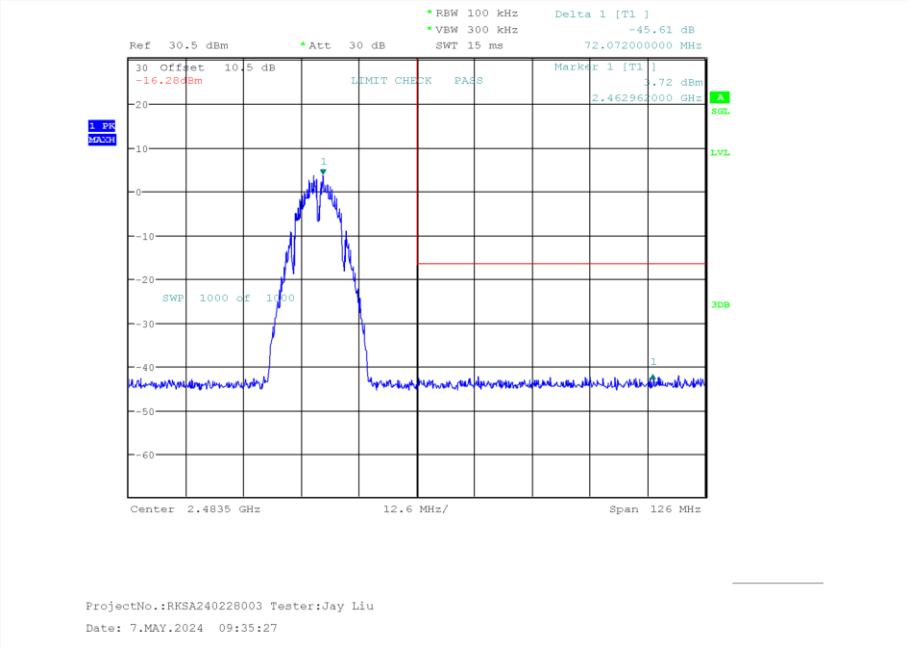


Chain 2:

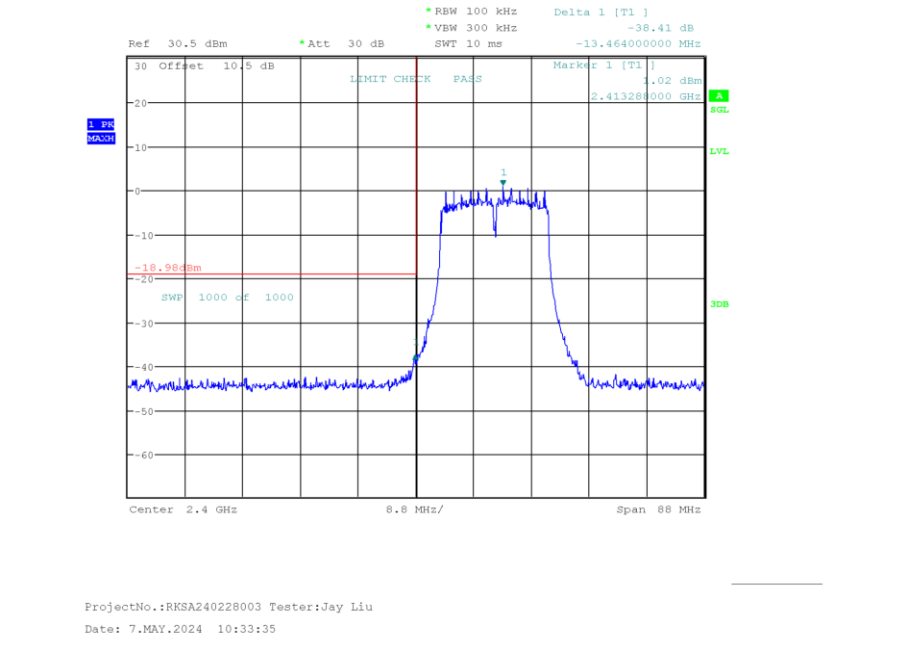
802.11b Mode Left Side



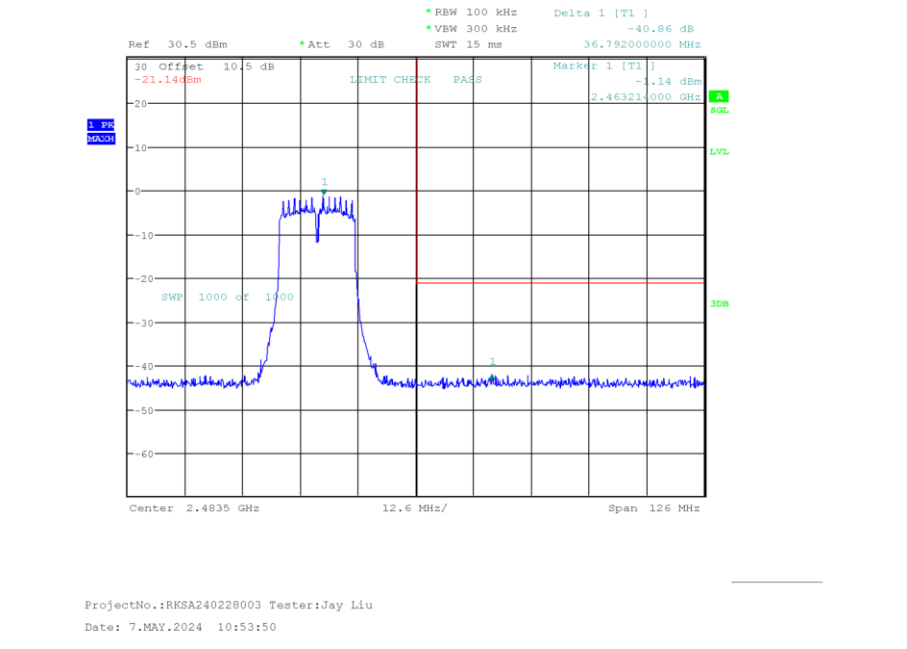
802.11b Mode Right Side



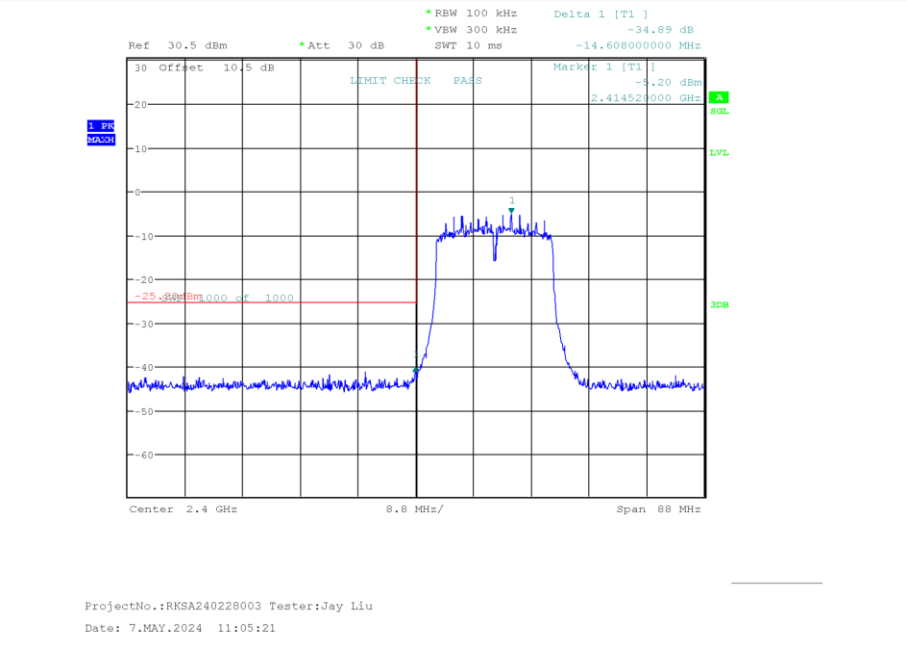
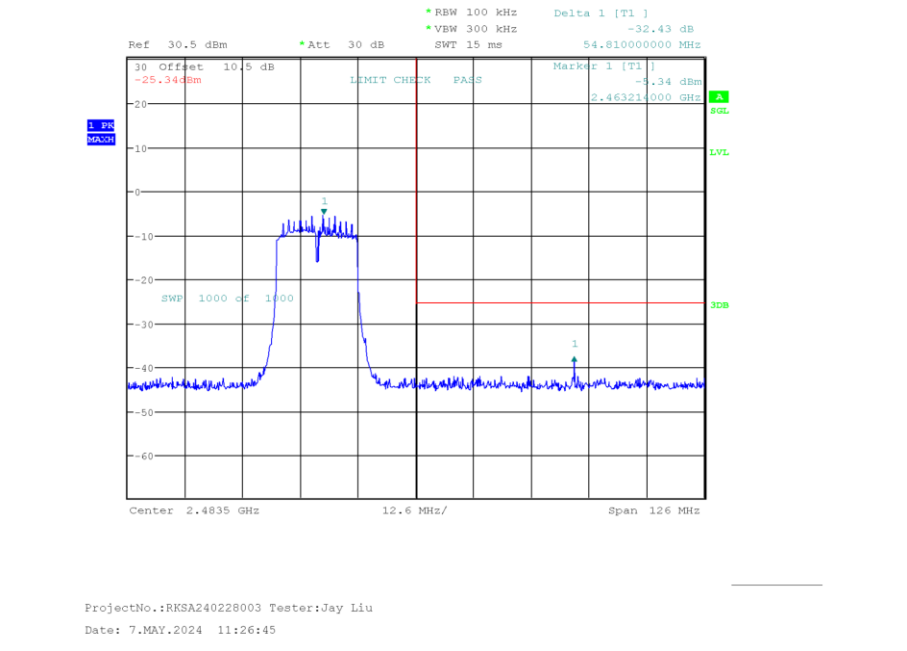
802.11g Mode Left Side



802.11g Mode Right Side



802.11n-HT20 Mode Left Side



802.11n-HT20 Mode Right Side