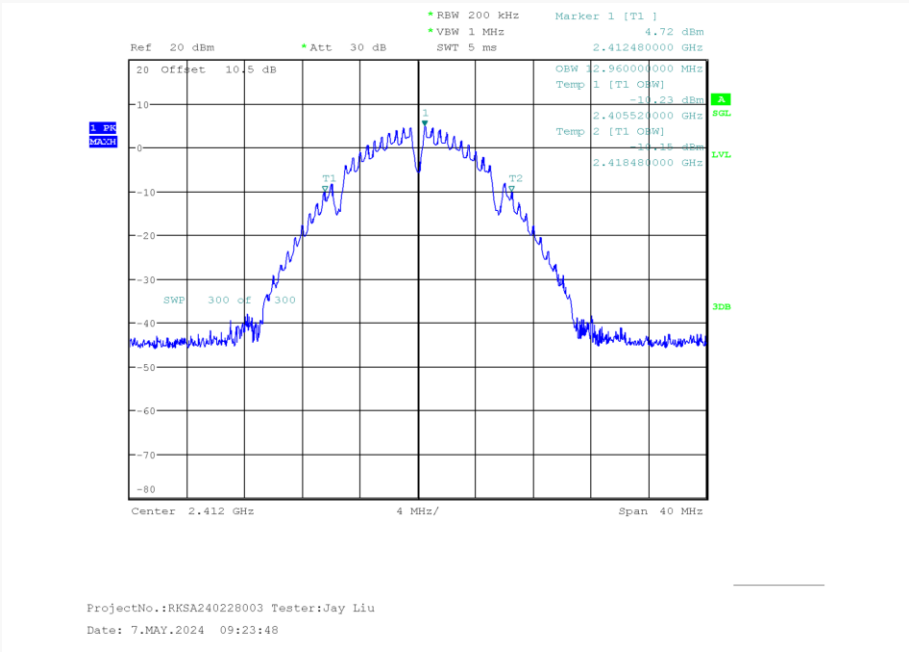
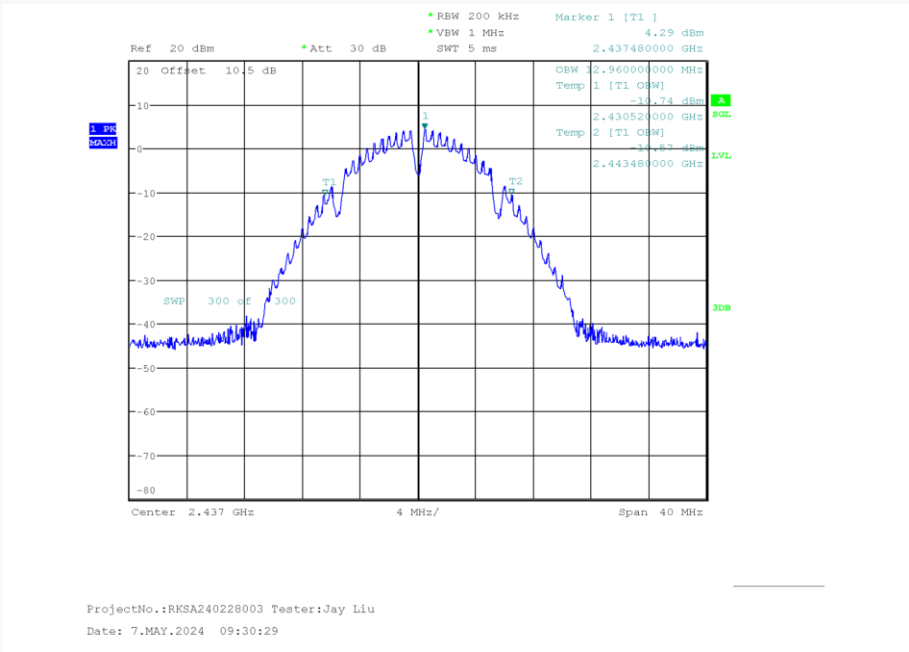


Chain 2:

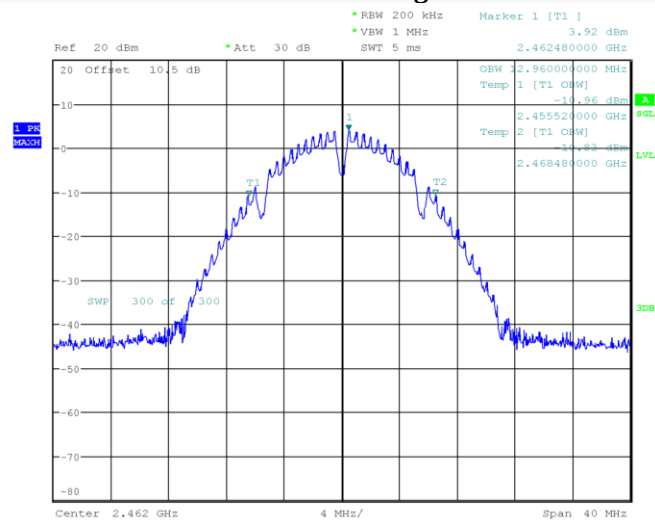
802.11b Mode Low Channel



802.11b Mode Middle Channel

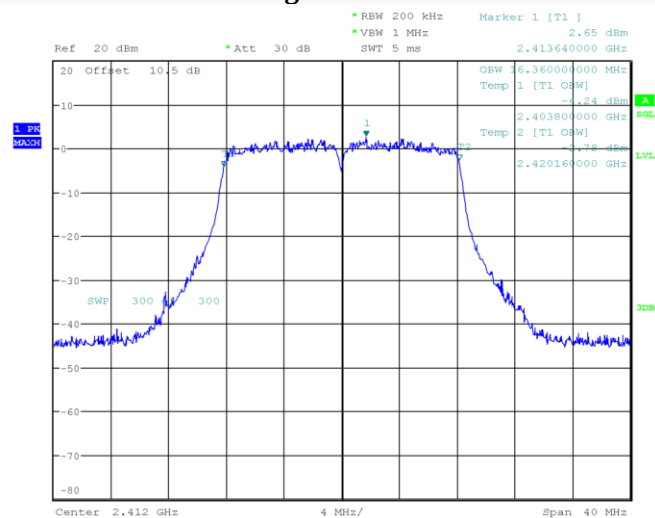


802.11b Mode High Channel



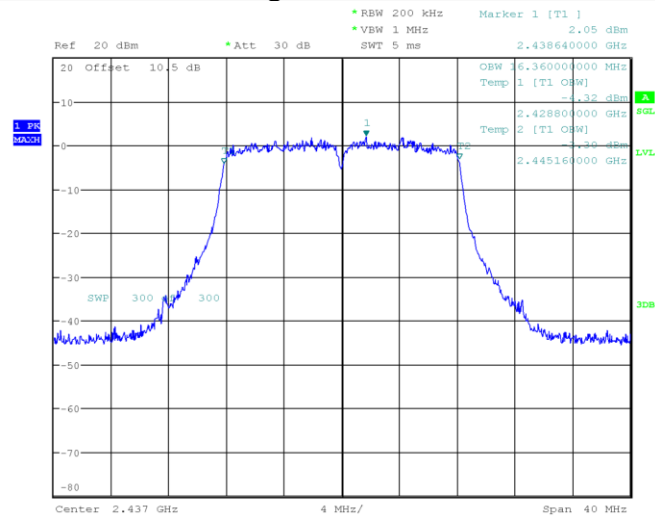
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 09:37:42

802.11g Mode Low Channel



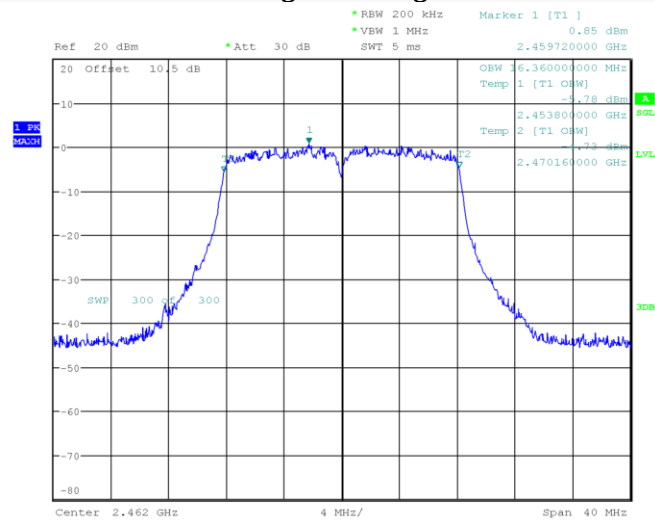
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 10:35:22

802.11g Mode Middle Channel



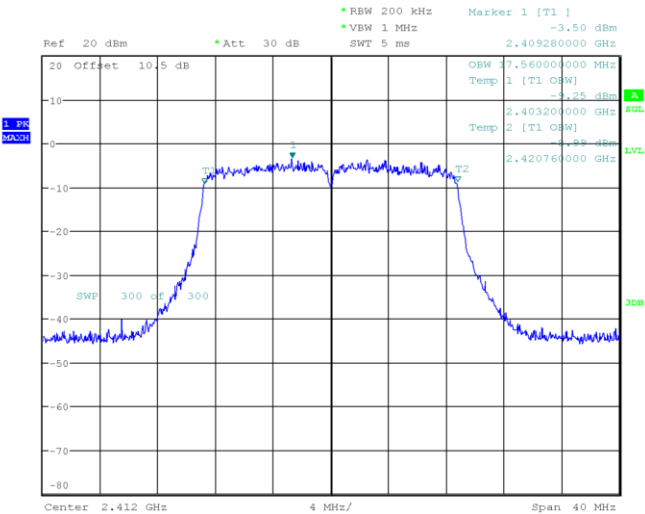
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 10:44:09

802.11g Mode High Channel



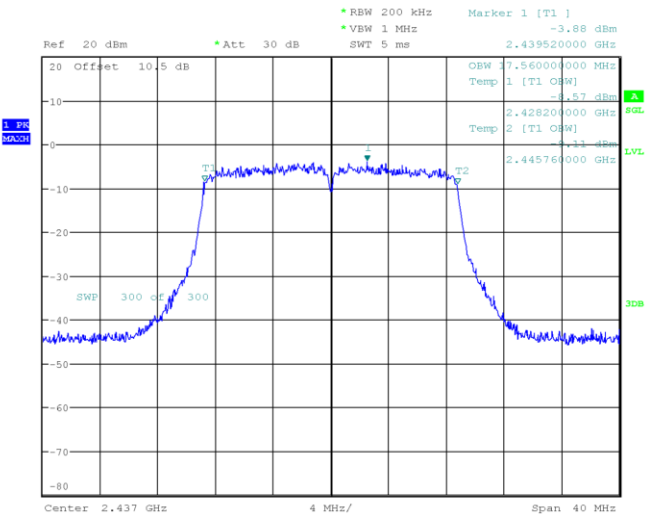
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 10:56:03

802.11n-HT20 Mode Low Channel



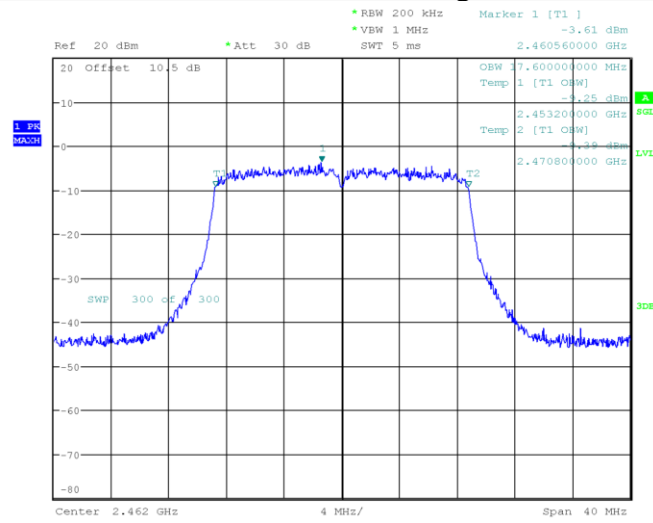
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:07:08

802.11n-HT20 Mode Middle Channel



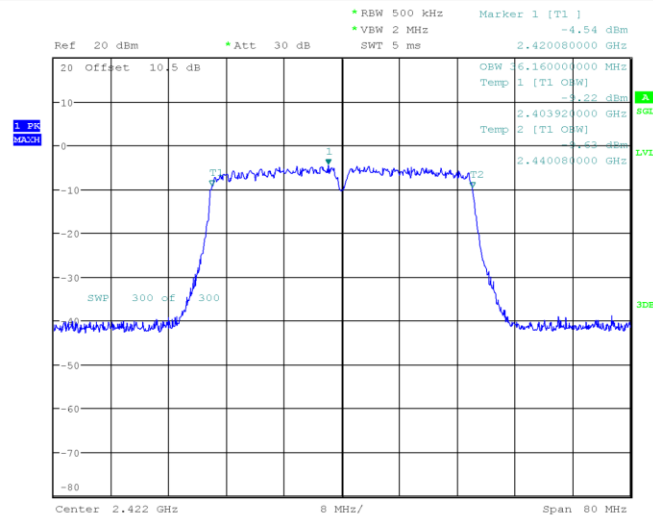
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:19:01

802.11n-HT20 Mode High Channel



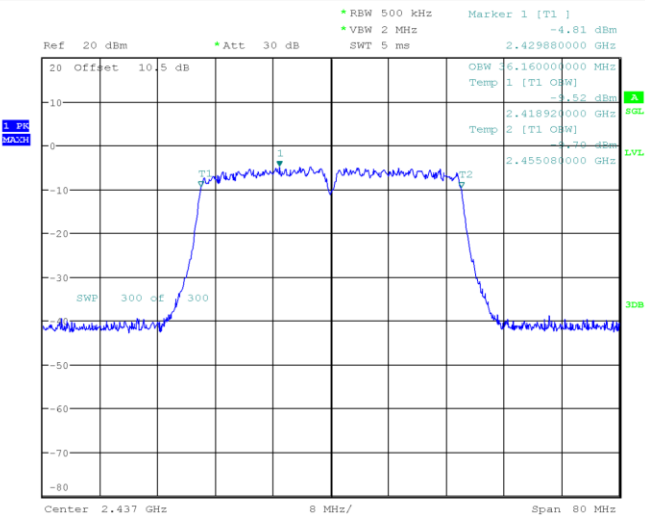
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 11:28:56

802.11n-HT40 Mode Low Channel



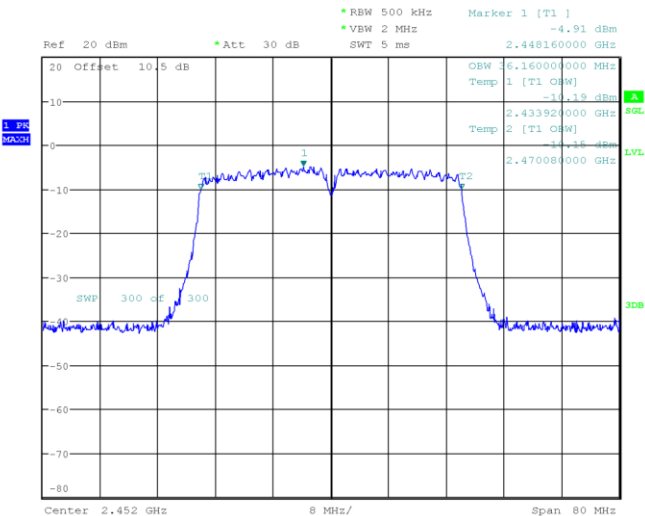
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 11:37:28

802.11n-HT40 Mode Middle Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:49:57

802.11n-HT40 Mode High Channel

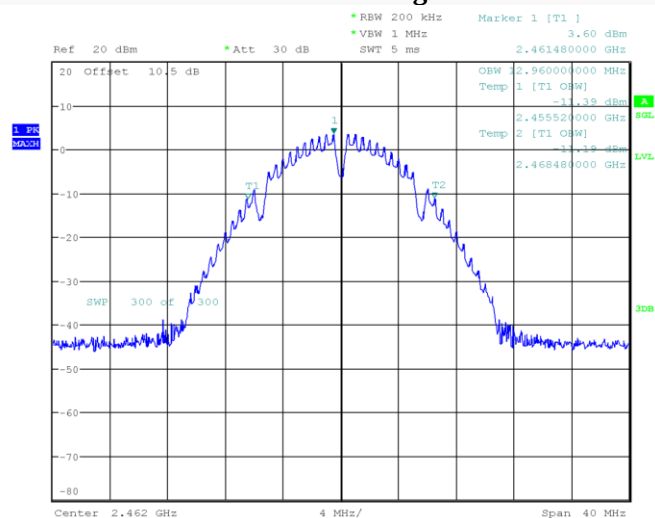


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 13:05:31

802.11b Mode Low Channel

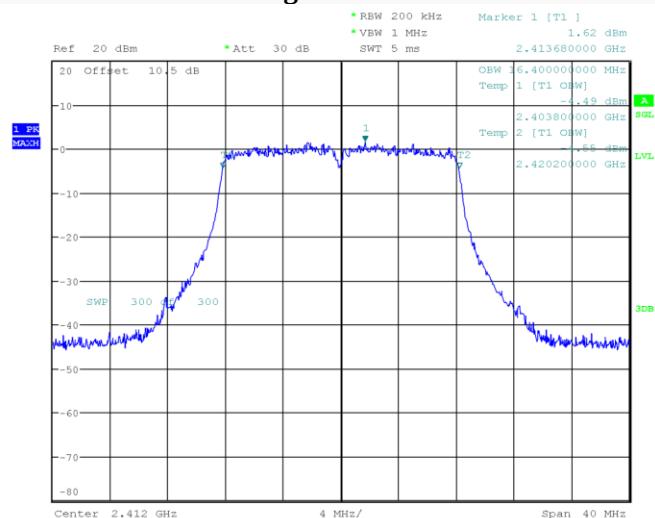


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 13:30:16

802.11b Mode High Channel

ProjectNo.:RKSA240228003 Tester:Jay Liu

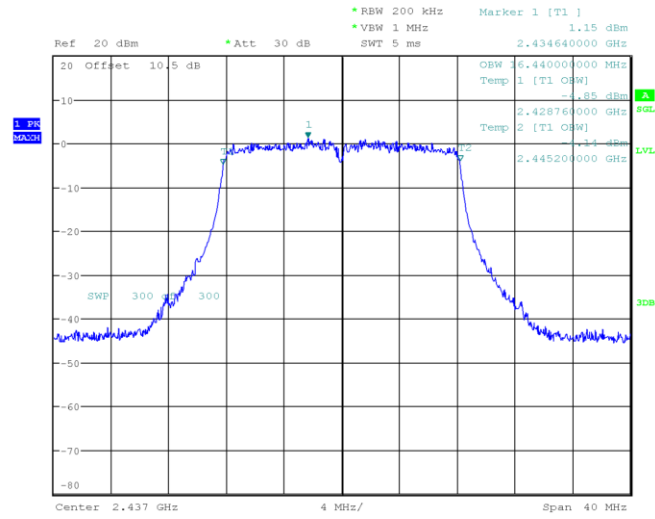
Date: 7.MAY.2024 13:37:19

802.11g Mode Low Channel

ProjectNo.:RKSA240228003 Tester:Jay Liu

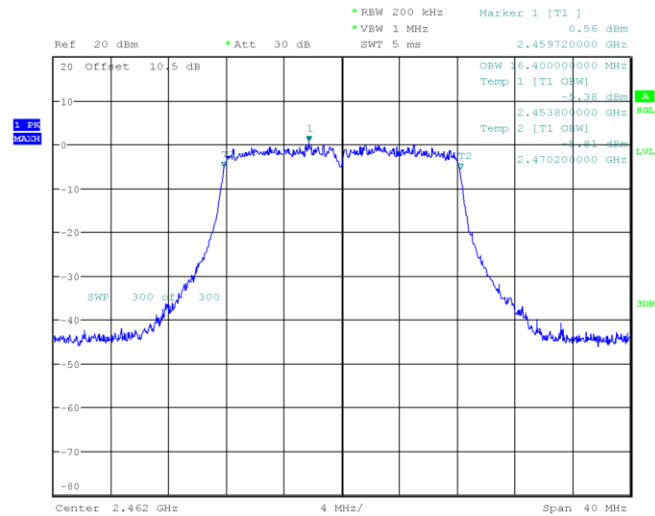
Date: 7.MAY.2024 13:46:06

802.11g Mode Middle Channel



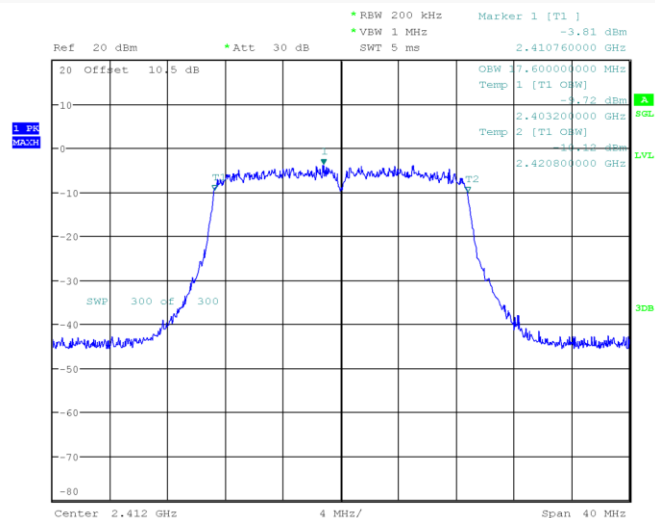
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 13:54:06

802.11g Mode High Channel



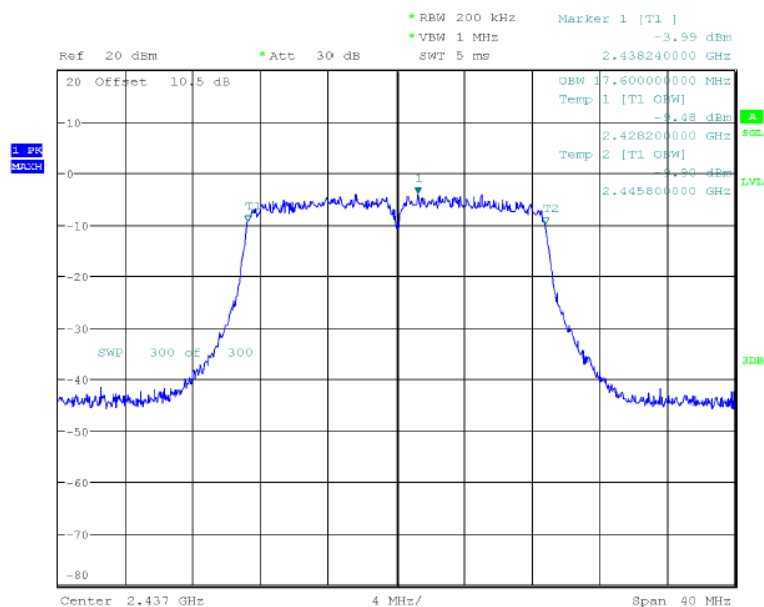
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:04:24

802.11n-HT20 Mode Low Channel



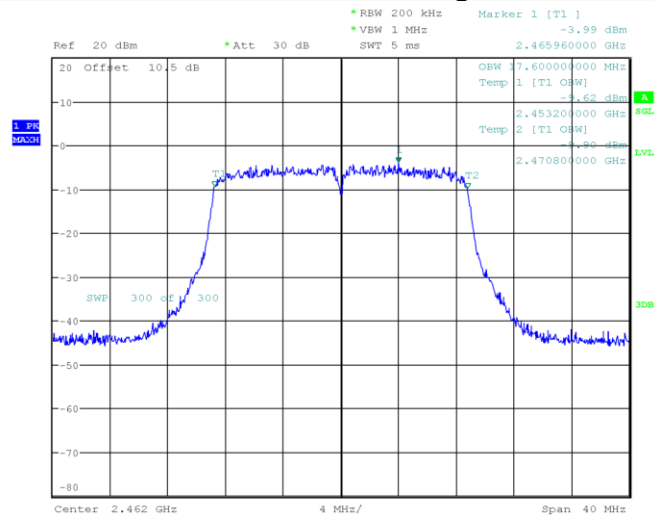
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 14:13:39

802.11n-HT20 Mode Middle Channel



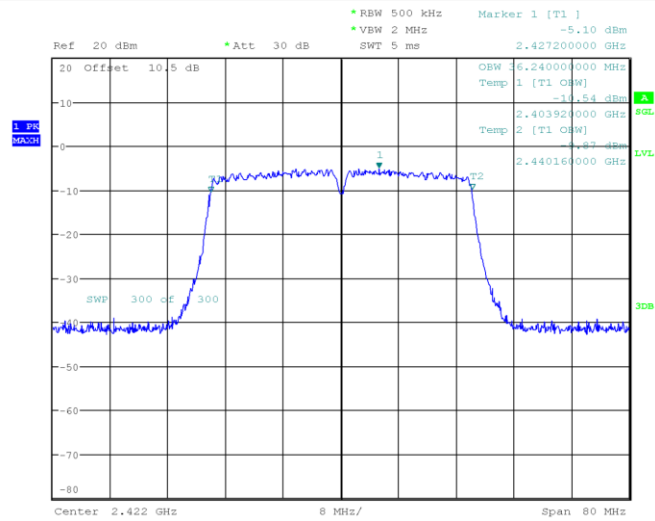
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 14:21:31

802.11n-HT20 Mode High Channel



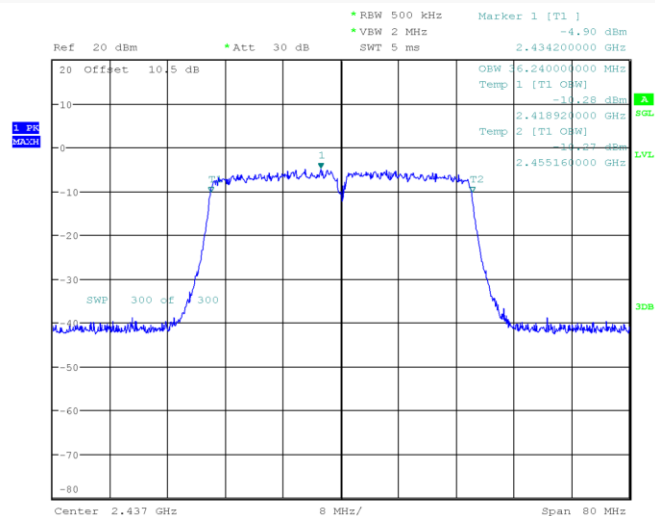
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:30:43

802.11n-HT40 Mode Low Channel



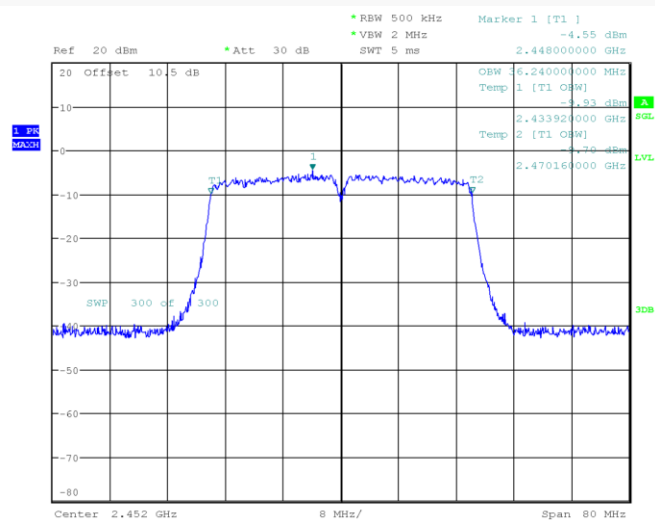
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:41:26

802.11n-HT40 Mode Middle Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:53:59

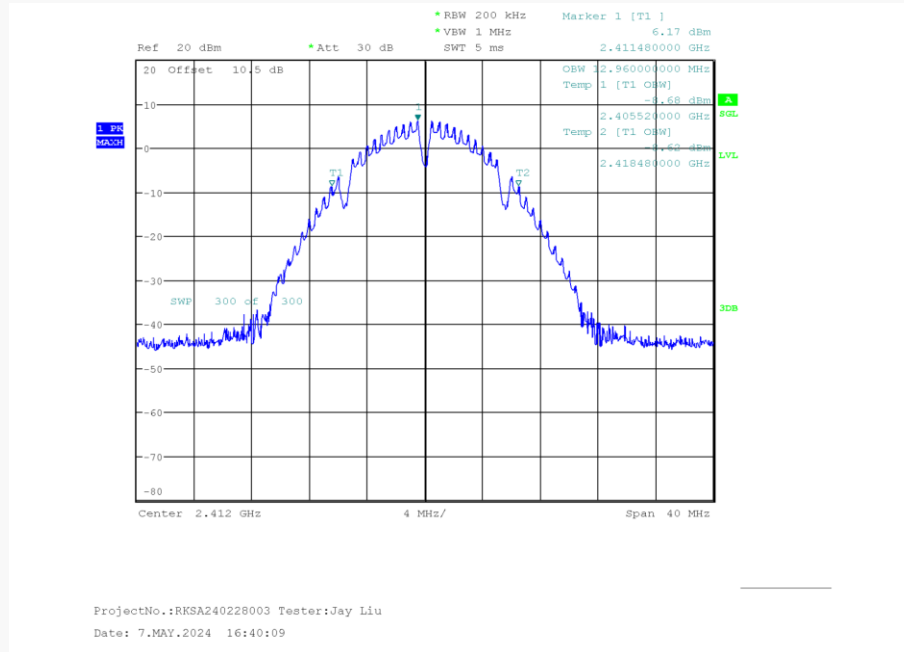
802.11n-HT40 Mode High Channel



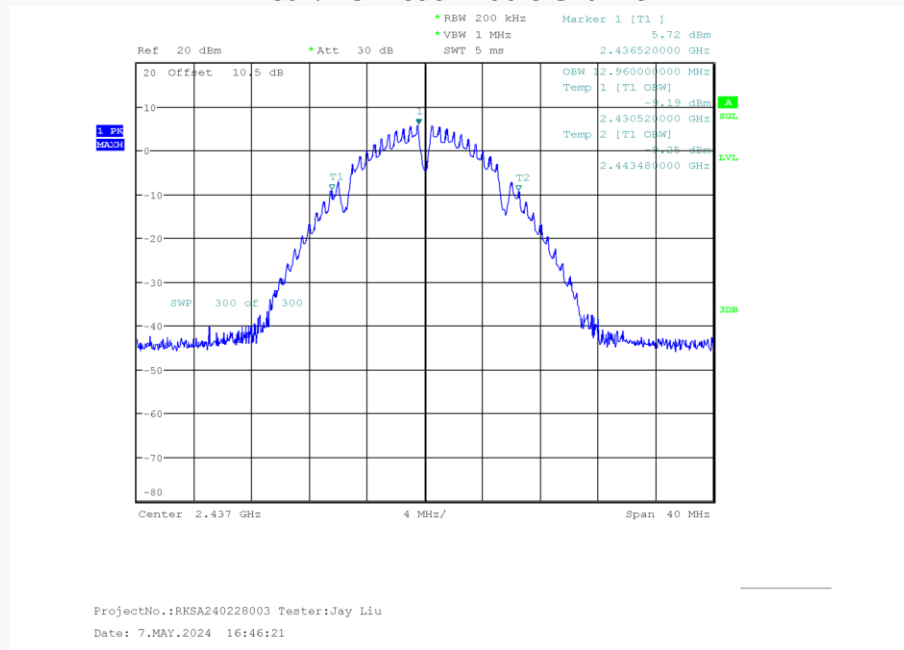
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 15:07:24

Chain 4:

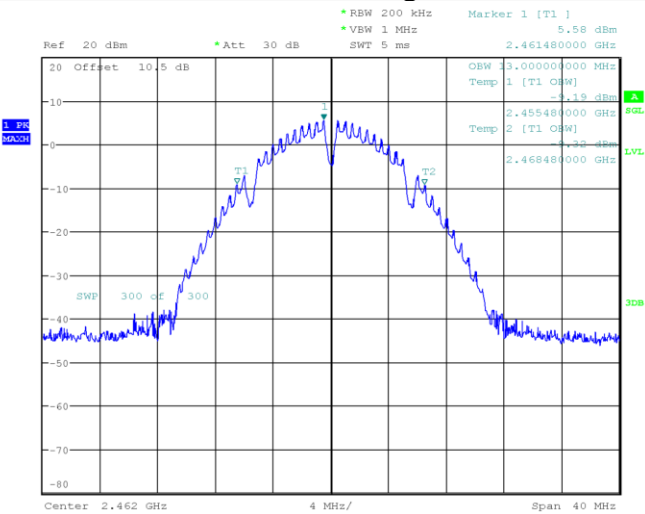
802.11b Mode Low Channel



802.11b Mode Middle Channel

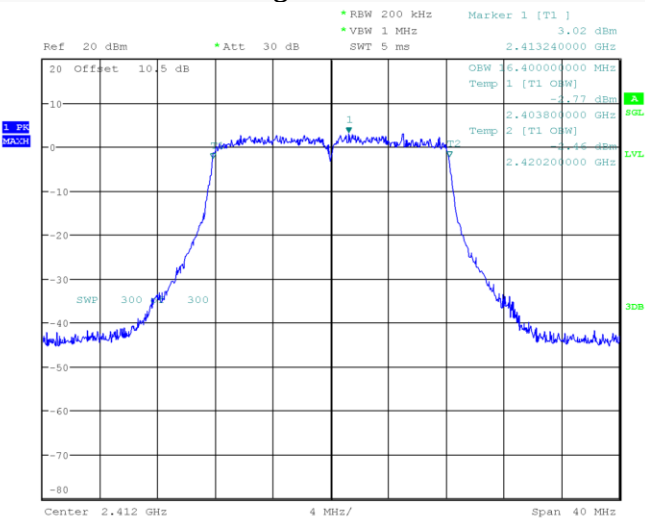


802.11b Mode High Channel



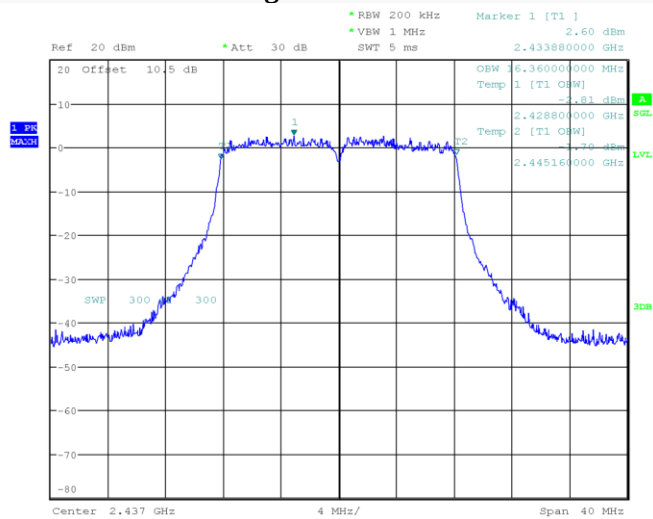
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 16:54:07

802.11g Mode Low Channel



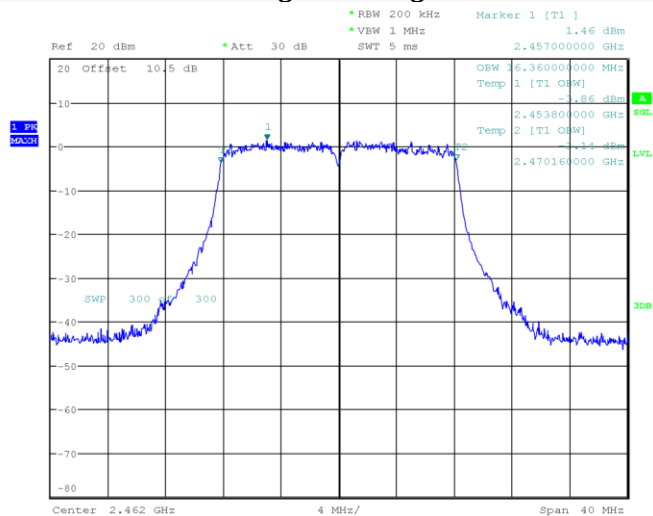
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 17:01:19

802.11g Mode Middle Channel



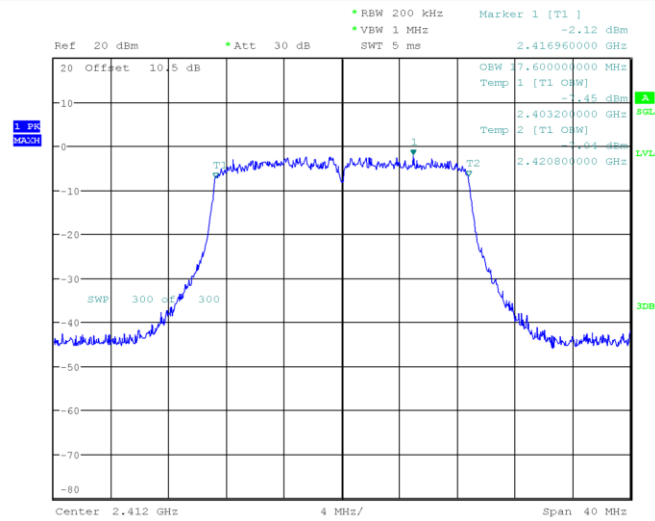
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 17:17:29

802.11g Mode High Channel



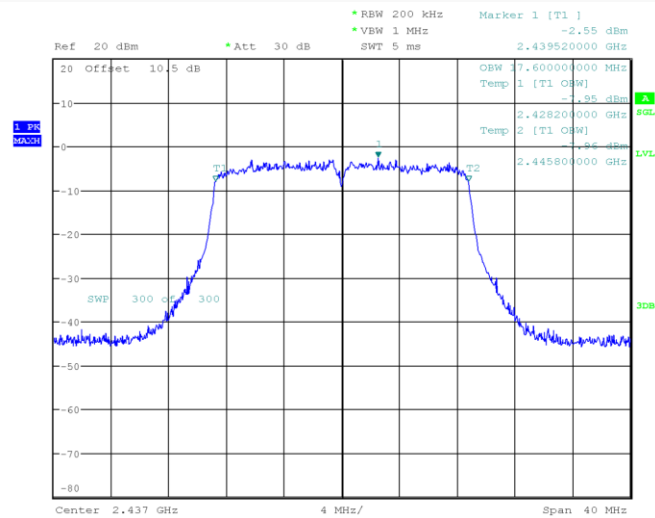
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 17:27:18

802.11n-HT20 Mode Low Channel



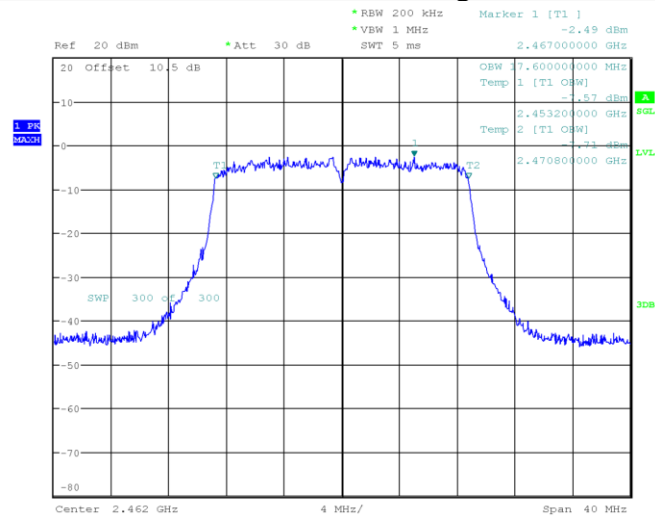
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 17:36:44

802.11n-HT20 Mode Middle Channel



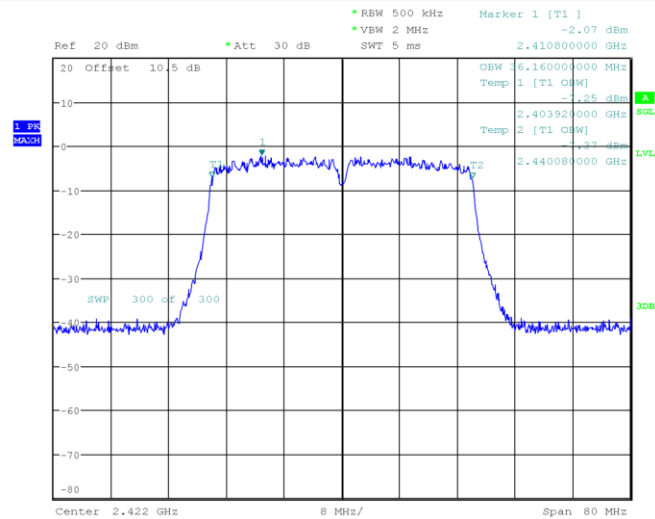
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 17:46:40

802.11n-HT20 Mode High Channel



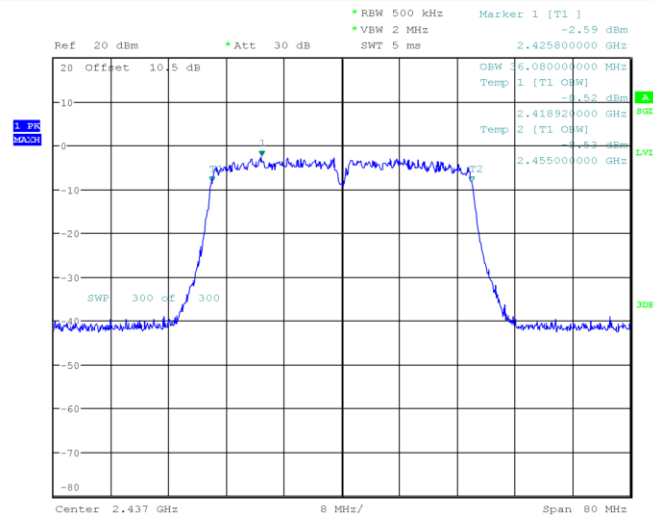
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 18:47:00

802.11n-HT40 Mode Low Channel



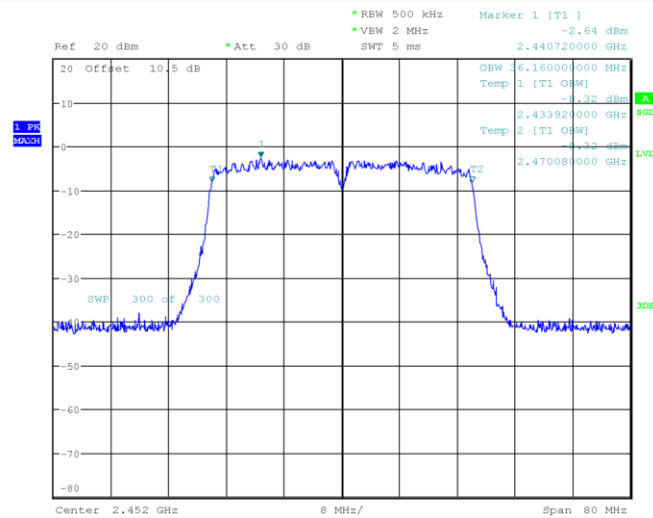
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 18:55:55

802.11n-HT40 Mode Middle Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 19:07:59

802.11n-HT40 Mode High Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 19:21:47

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:

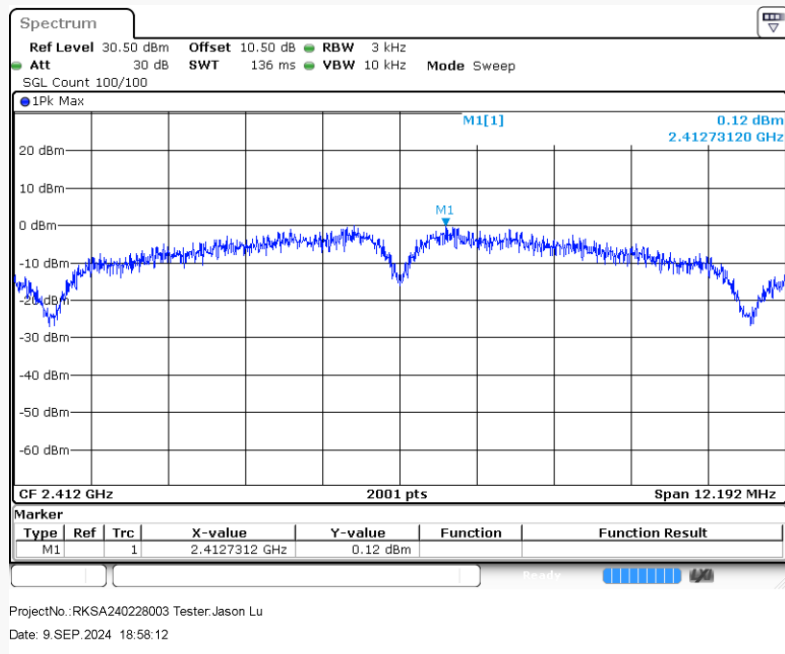
The maximum antenna gain is 6 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

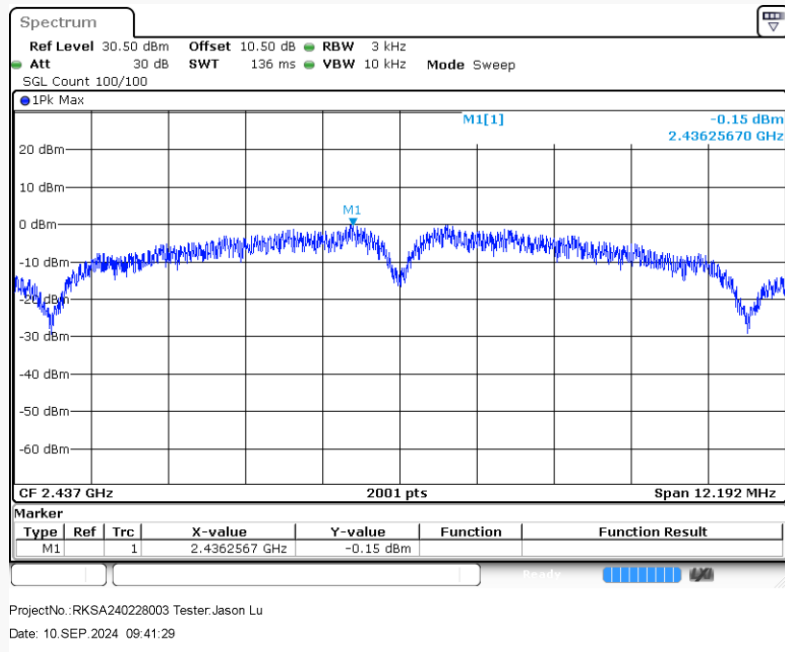
So: Directional gain = G_{ANT} + Array Gain = 6 + $10 \cdot \log(4/1)$ = 12dBi > 6dBi, so power spectral density limit was reduced 6dB

Chain 1:

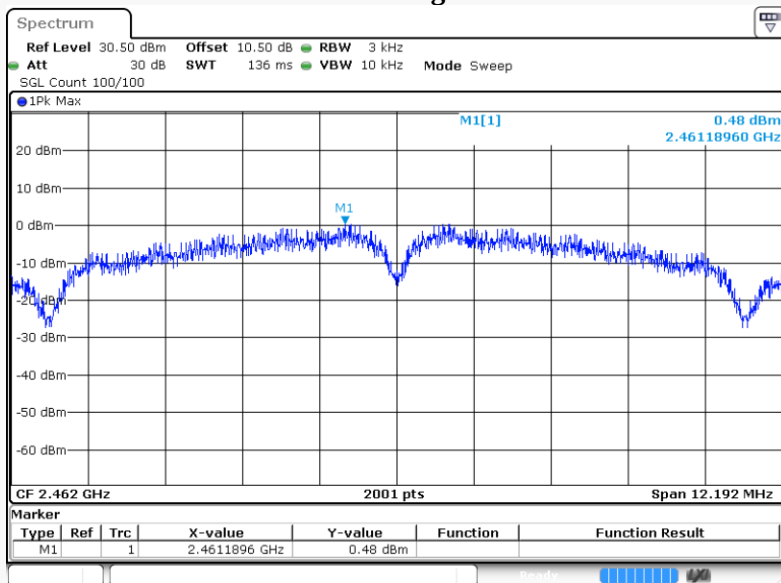
802.11b Mode Low Channel



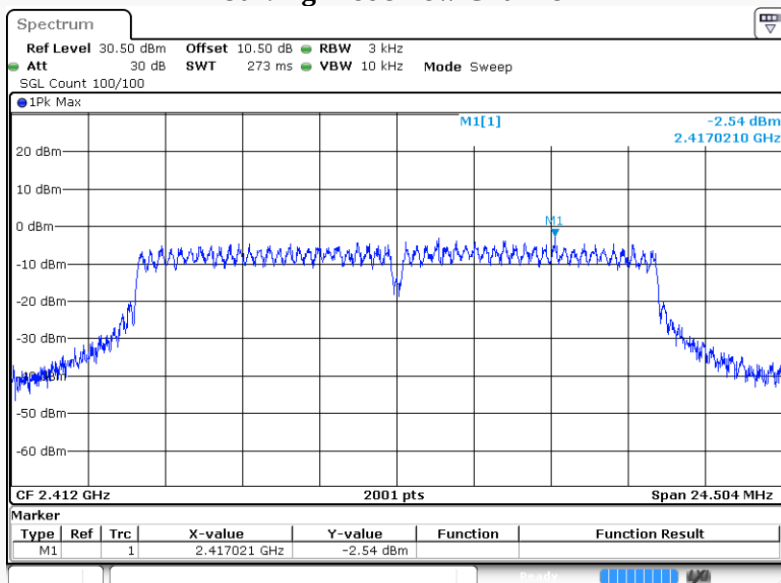
802.11b Mode Middle Channel



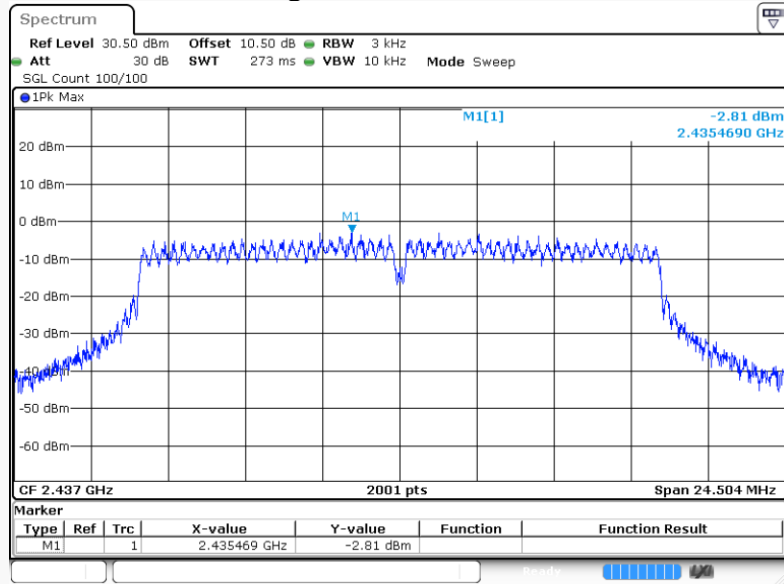
802.11b Mode High Channel



802.11g Mode Low Channel

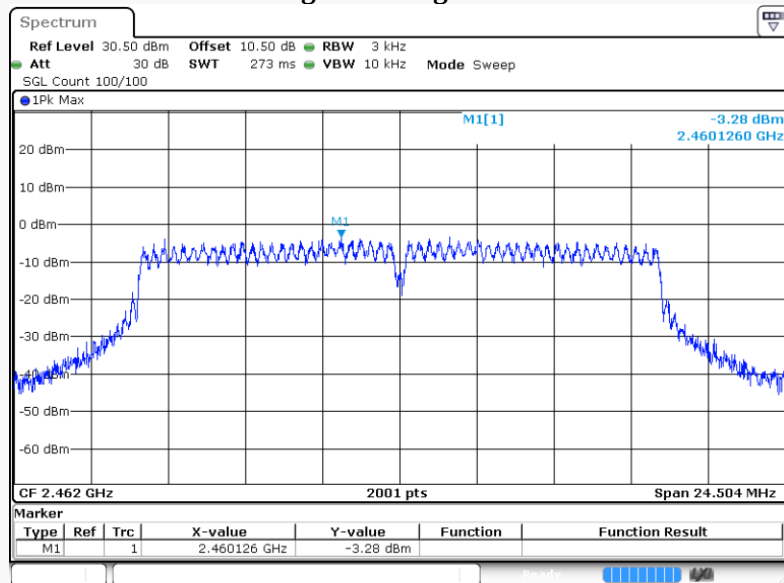


802.11g Mode Middle Channel



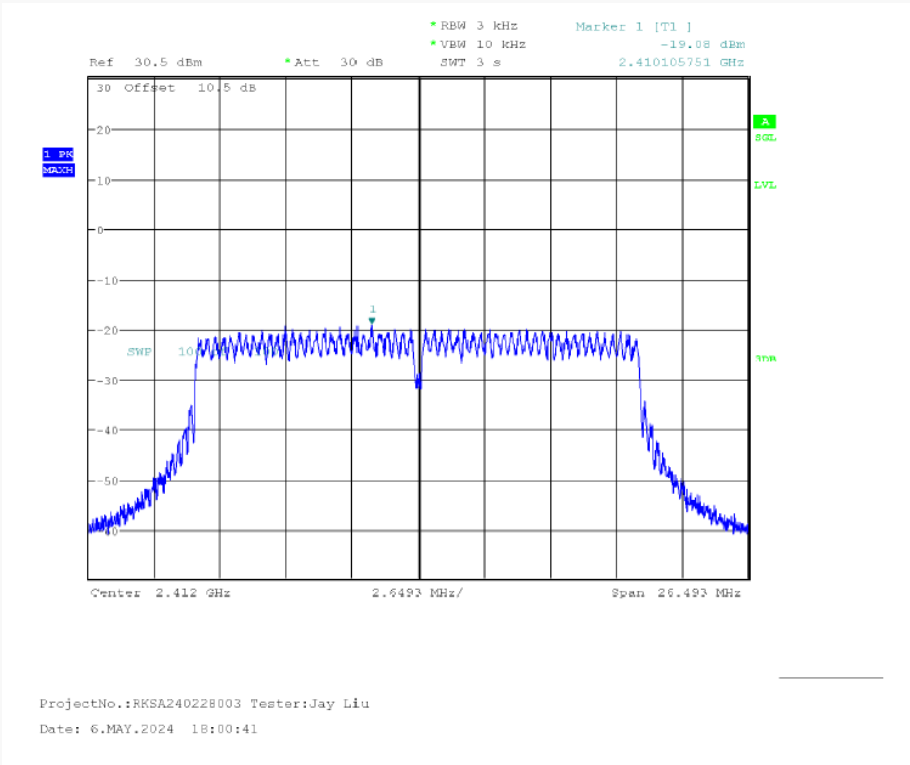
ProjectNo.:RKSA240228003 Tester:Jason Lu
 Date: 9.SEP.2024 19:51:09

802.11g Mode High Channel

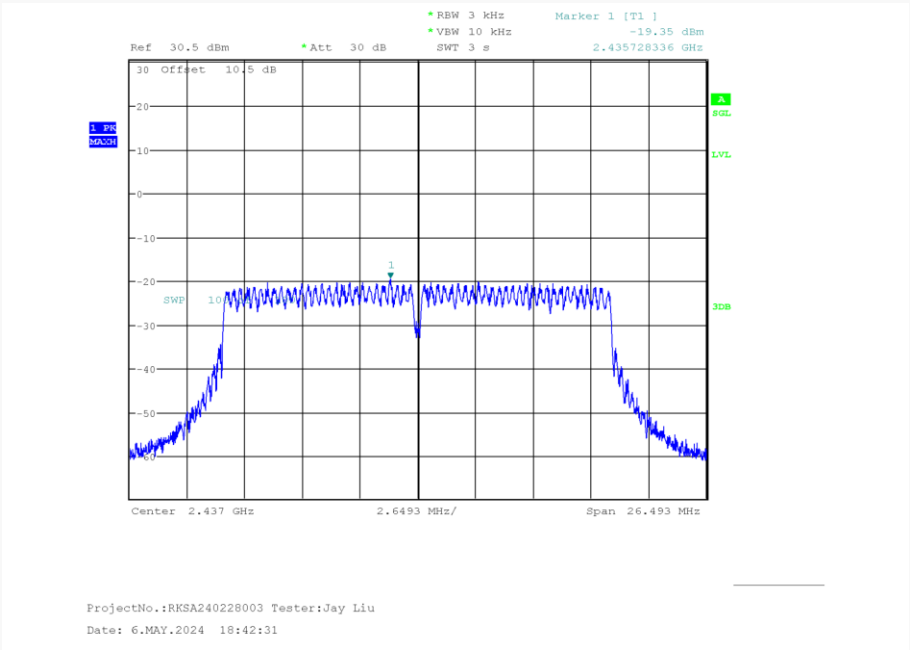


ProjectNo.:RKSA240228003 Tester:Jason Lu
 Date: 9.SEP.2024 19:56:32

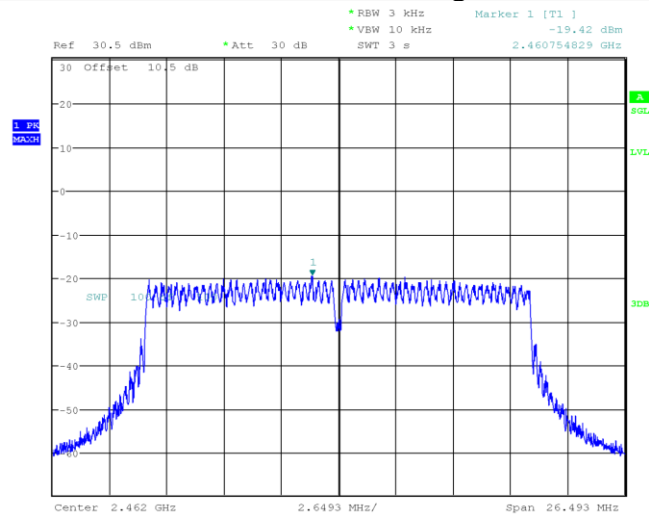
802.11n-HT20 Mode Low Channel



802.11n-HT20 Mode Middle Channel

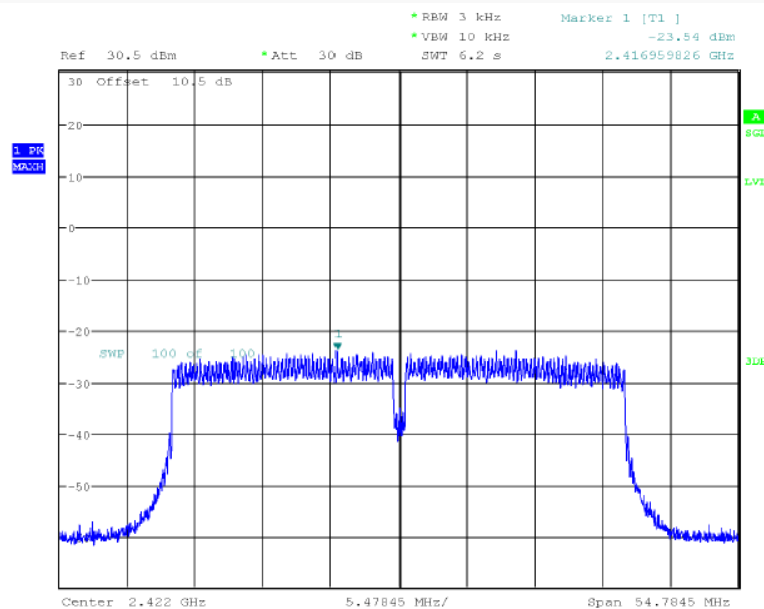


802.11n-HT20 Mode High Channel



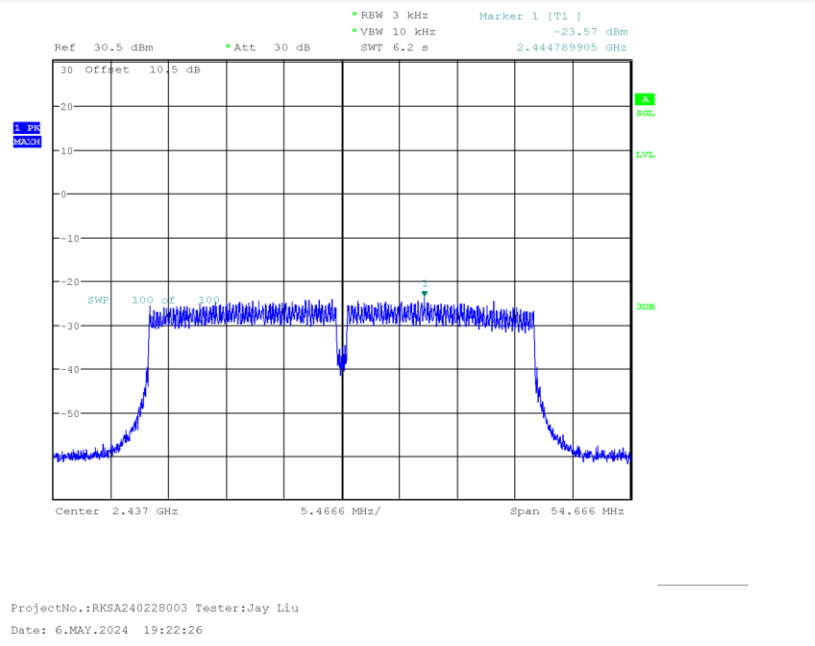
ProjectNo.:RKSA240228003 Testers:Jay Liu
Date: 6.MAY.2024 18:54:51

802.11n-HT40 Mode Low Channel

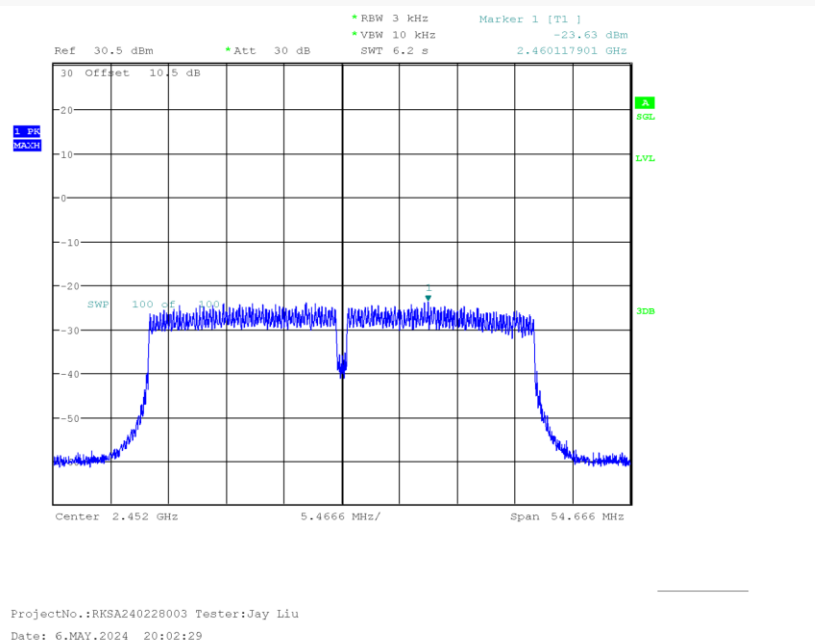


ProjectNo.:RKSA240228003 Testers:Jay Liu
Date: 6.MAY.2024 19:08:22

802.11n-HT40 Mode Middle Channel

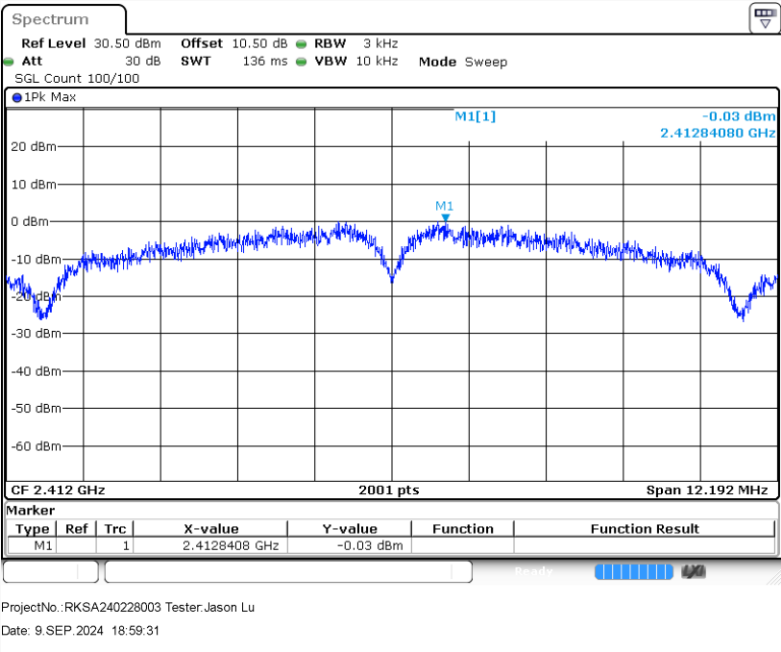


802.11n-HT40 Mode High Channel

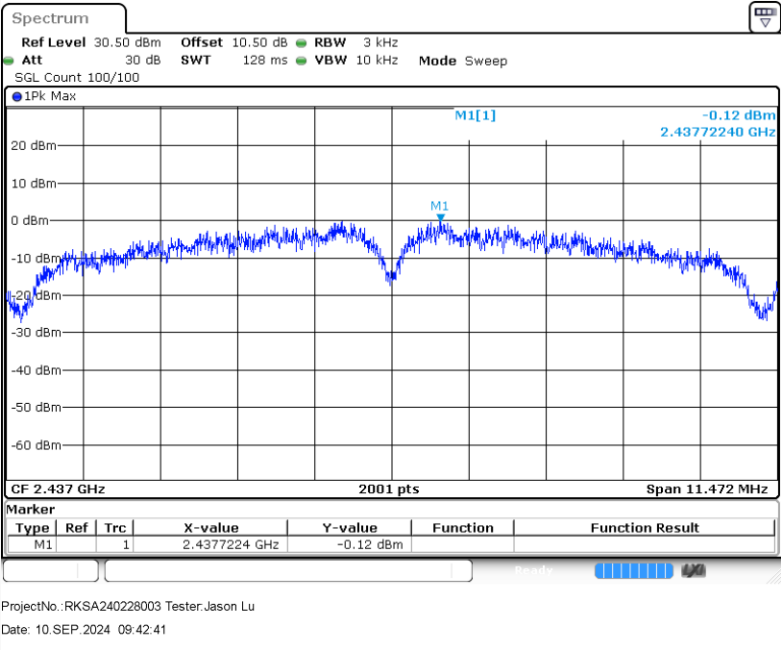


Chain 2:

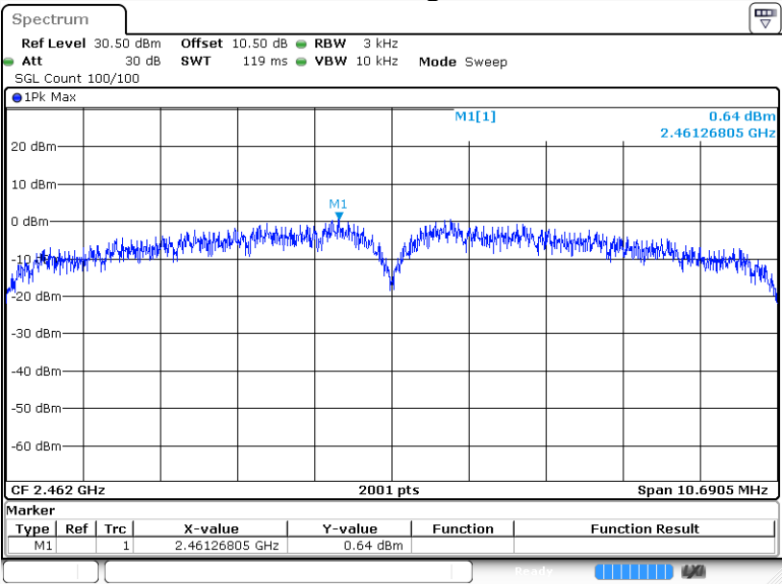
802.11b Mode Low Channel



802.11b Mode Middle Channel

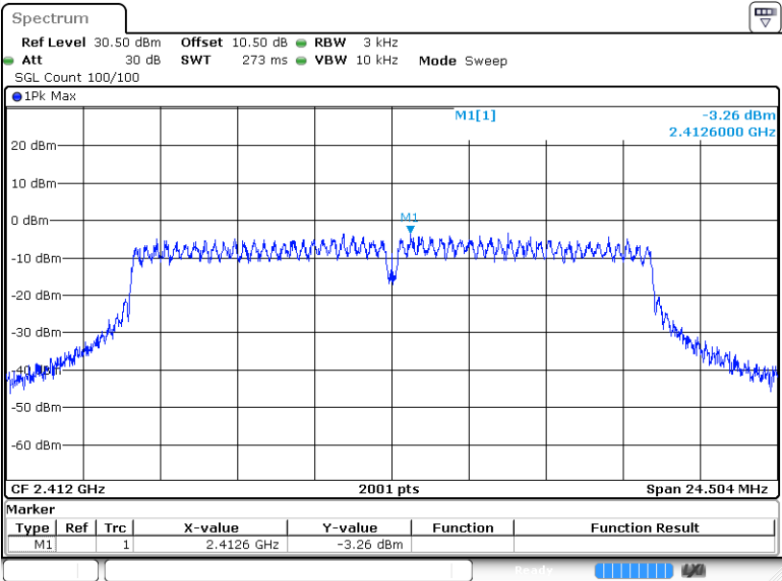


802.11b Mode High Channel



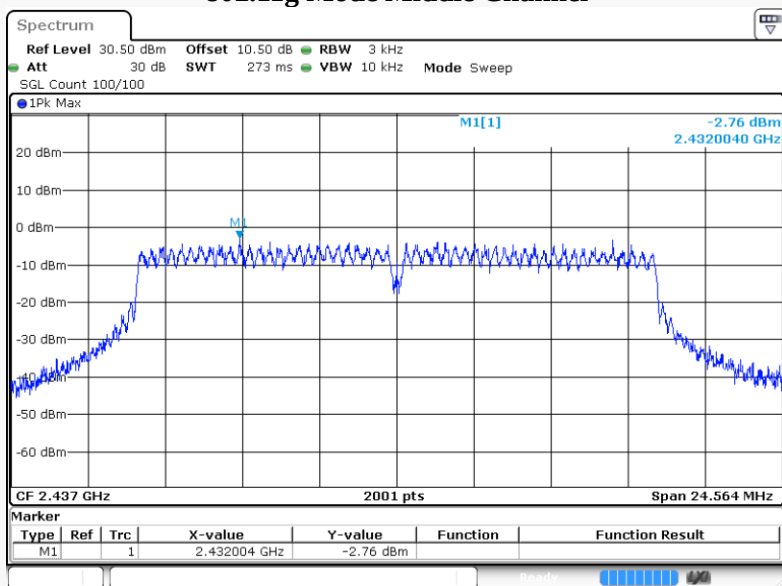
ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:23:36

802.11g Mode Low Channel

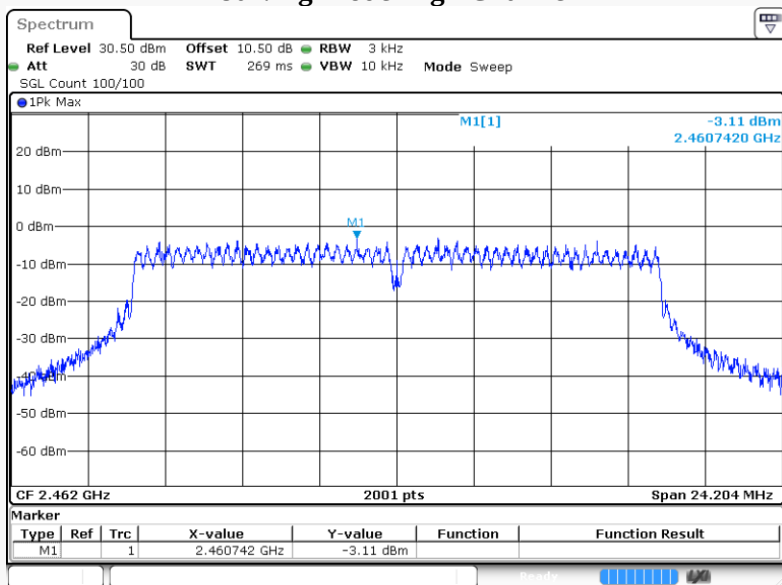


ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:39:53

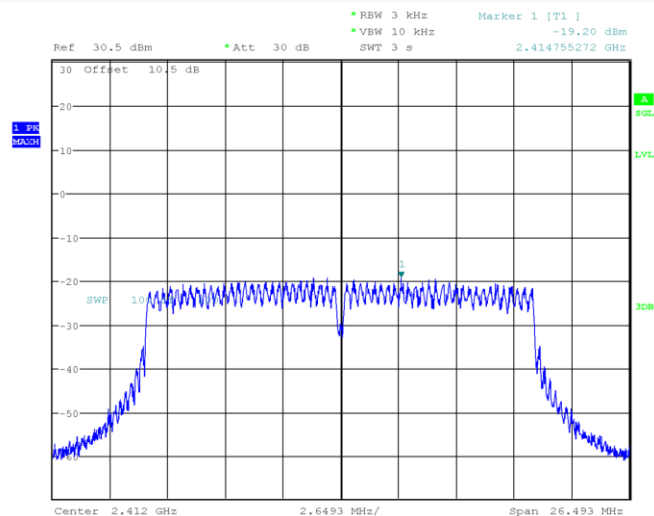
802.11g Mode Middle Channel



802.11g Mode High Channel

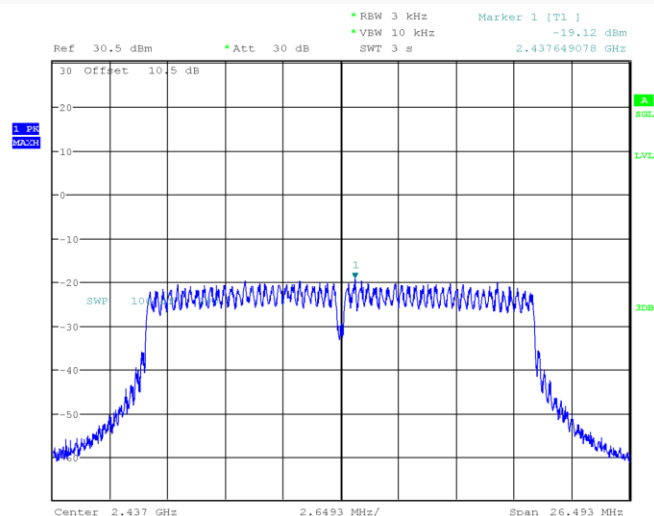


802.11n-HT20 Mode Low Channel



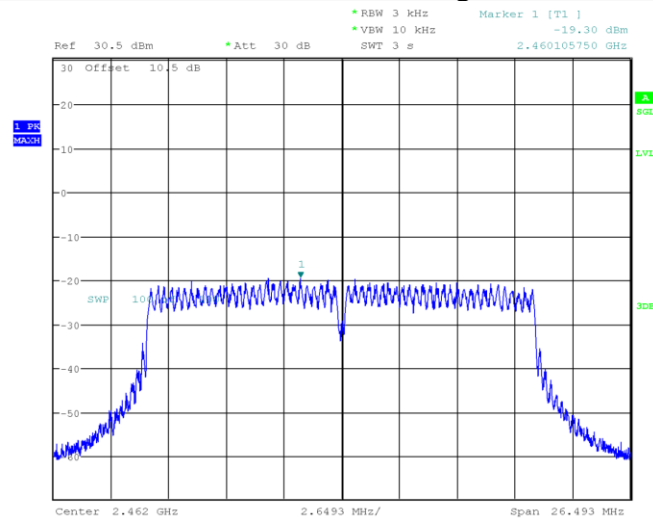
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:15:28

802.11n-HT20 Mode Middle Channel



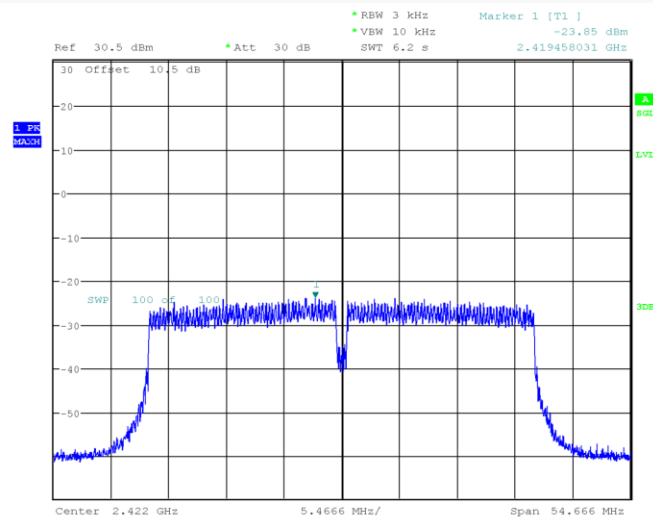
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:25:13

802.11n-HT20 Mode High Channel



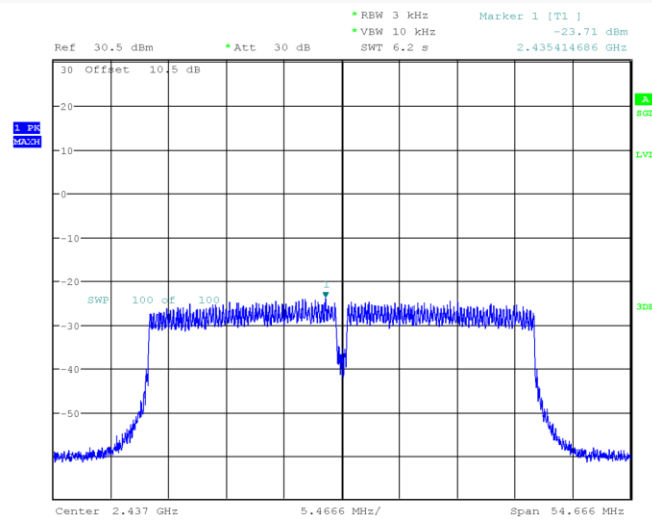
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:34:31

802.11n-HT40 Mode Low Channel



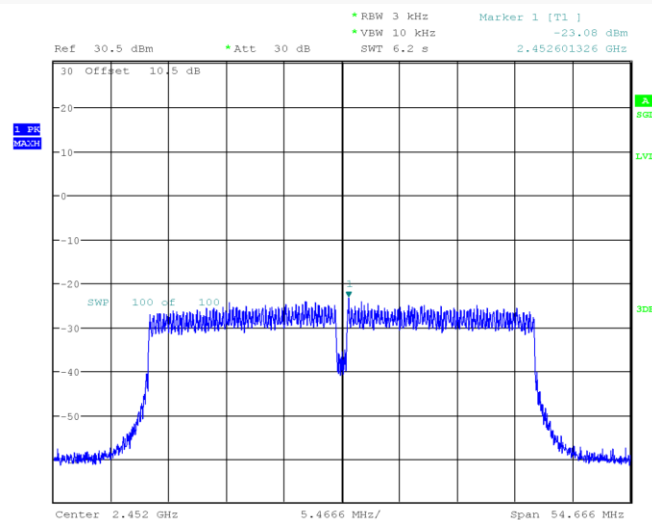
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 11:48:23

802.11n-HT40 Mode Middle Channel

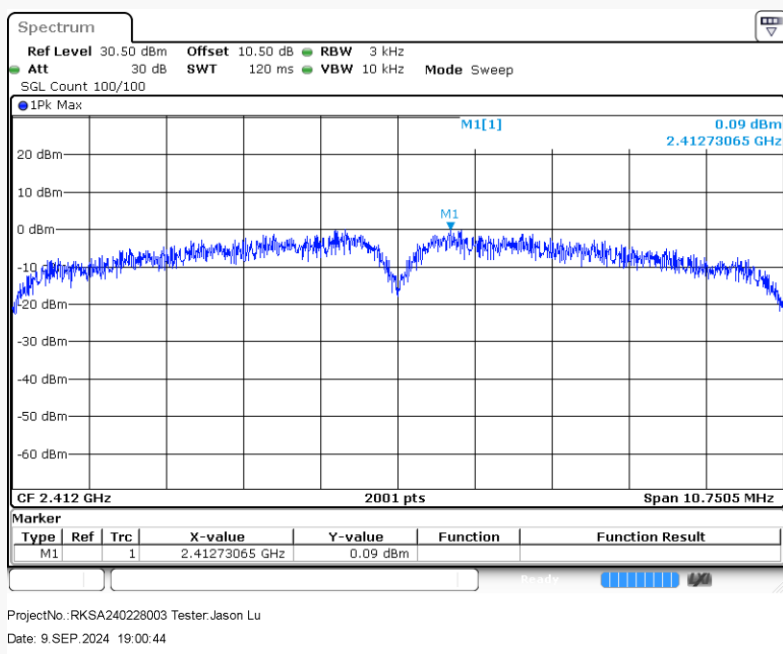
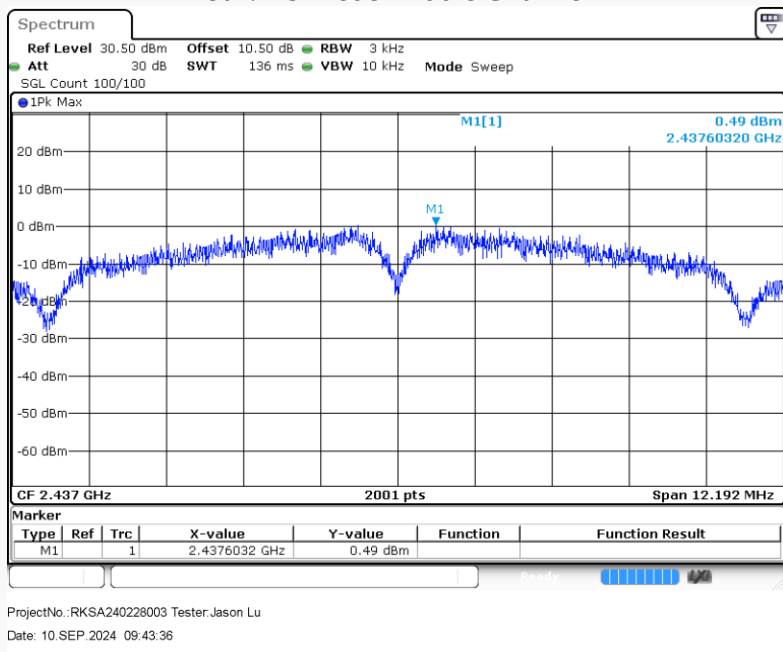


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 12:00:55

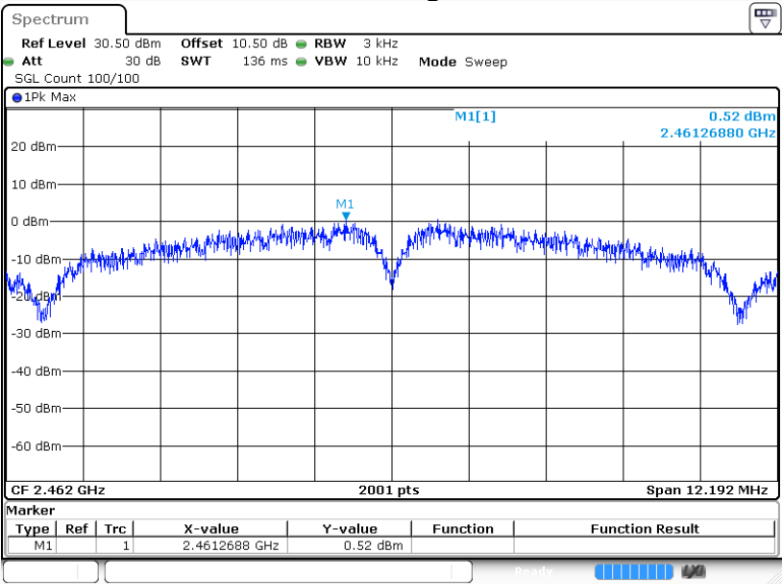
802.11n-HT40 Mode High Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 13:17:50

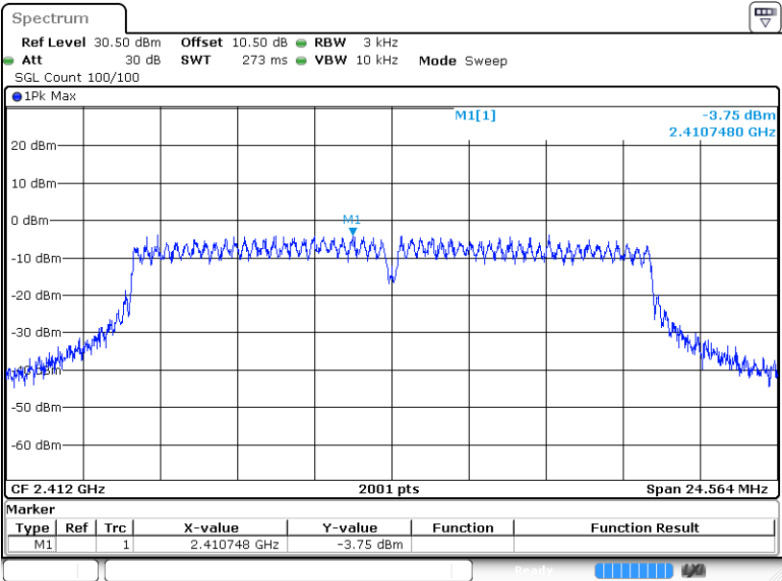
Chain 3:**802.11b Mode Low Channel****802.11b Mode Middle Channel**

802.11b Mode High Channel



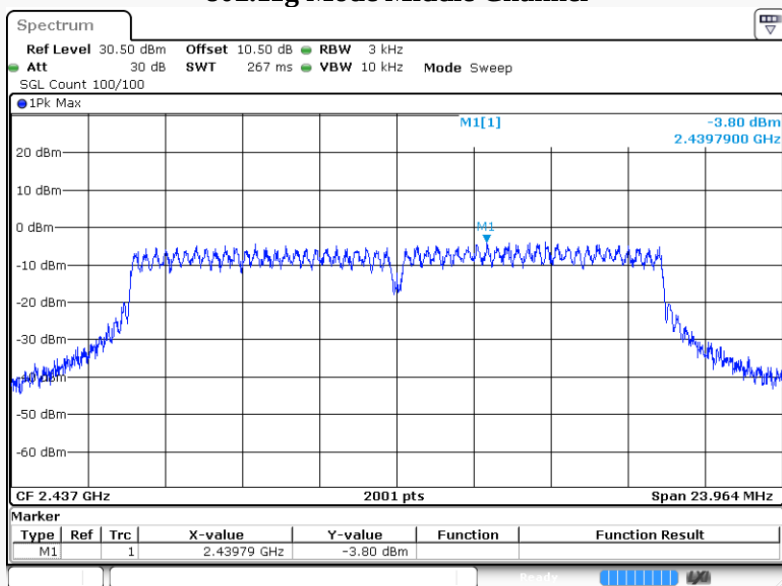
ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:24:36

802.11g Mode Low Channel



ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:41:13

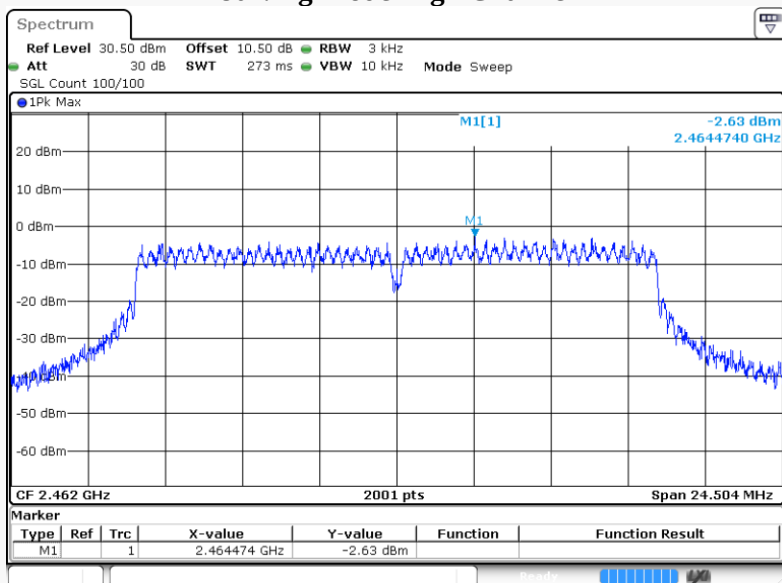
802.11g Mode Middle Channel



ProjectNo.: RKSA240228003 Tester: Jason Lu

Date: 9 SEP. 2024 19:53:52

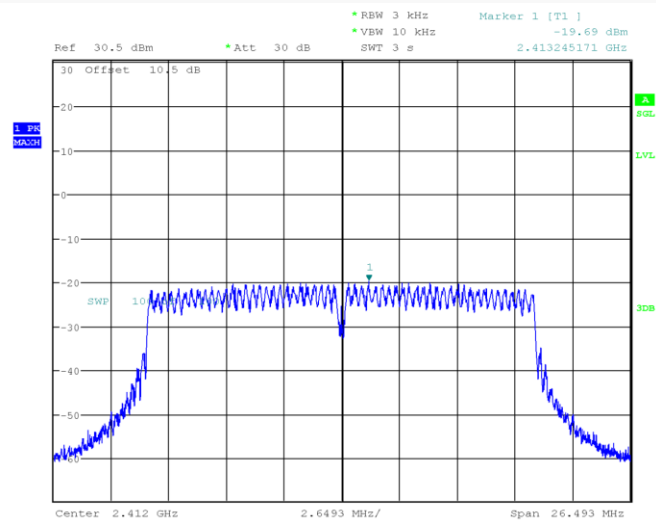
802.11g Mode High Channel



ProjectNo.: RKSA240228003 Tester: Jason Lu

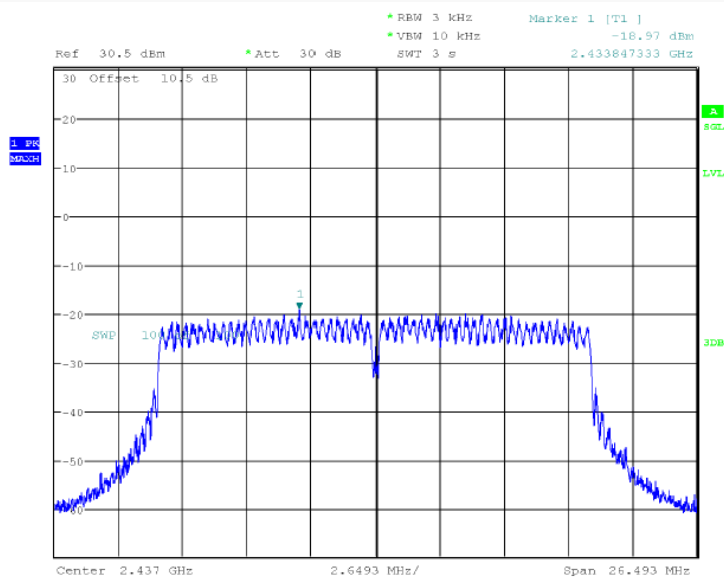
Date: 9 SEP. 2024 19:59:17

802.11n-HT20 Mode Low Channel



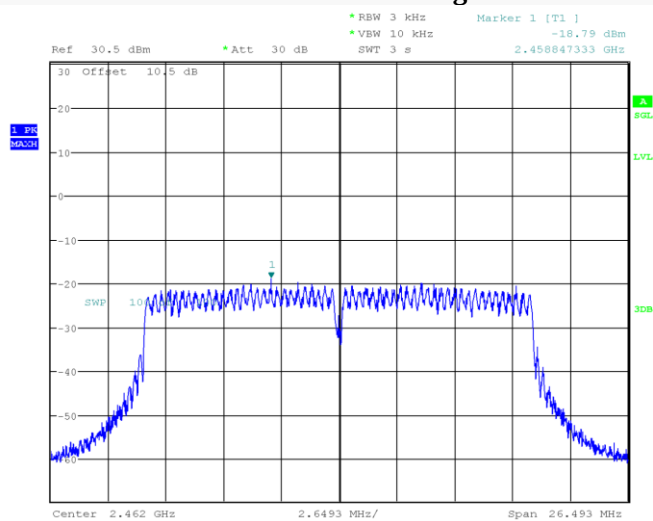
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 14:19:23

802.11n-HT20 Mode Middle Channel



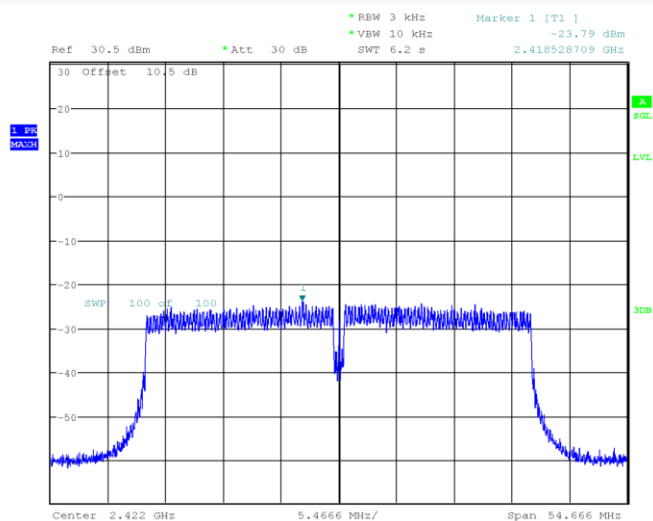
ProjectNo.:RKSA240228003 Tester:Jay Liu
 Date: 7.MAY.2024 14:27:04

802.11n-HT20 Mode High Channel



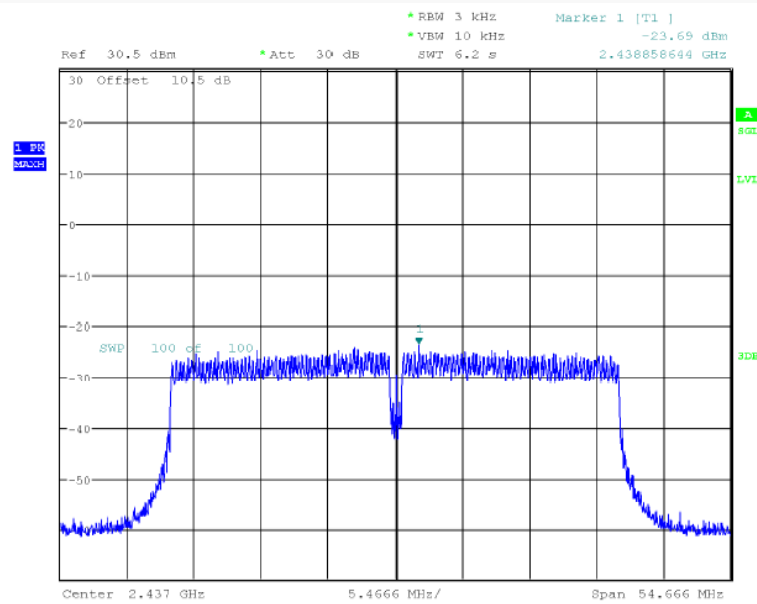
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:36:20

802.11n-HT40 Mode Low Channel



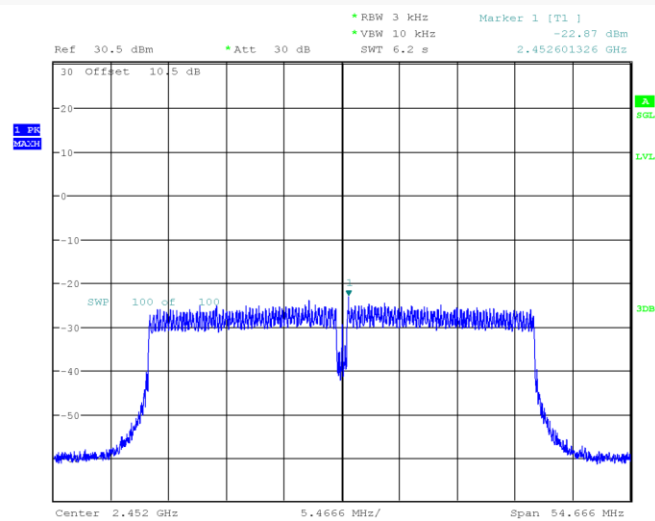
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 14:52:24

802.11n-HT40 Mode Middle Channel

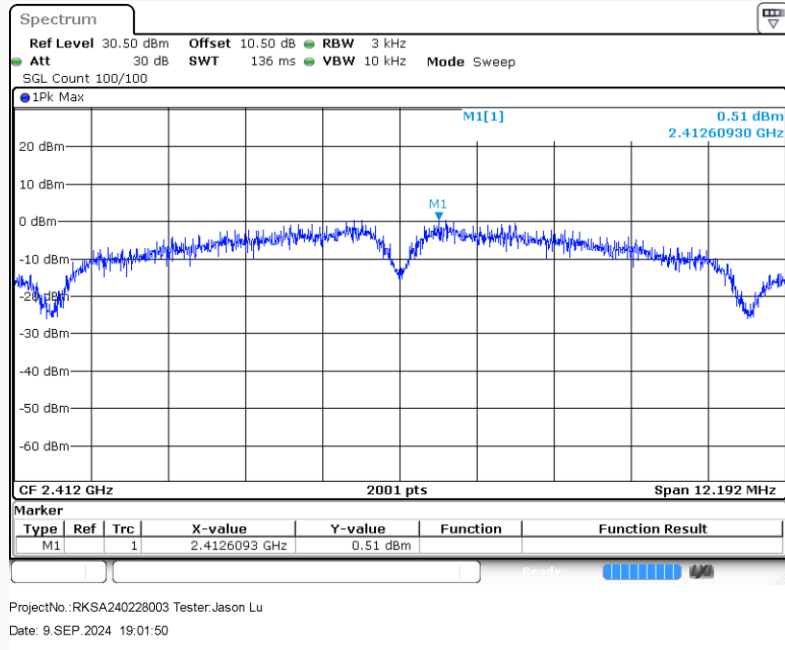
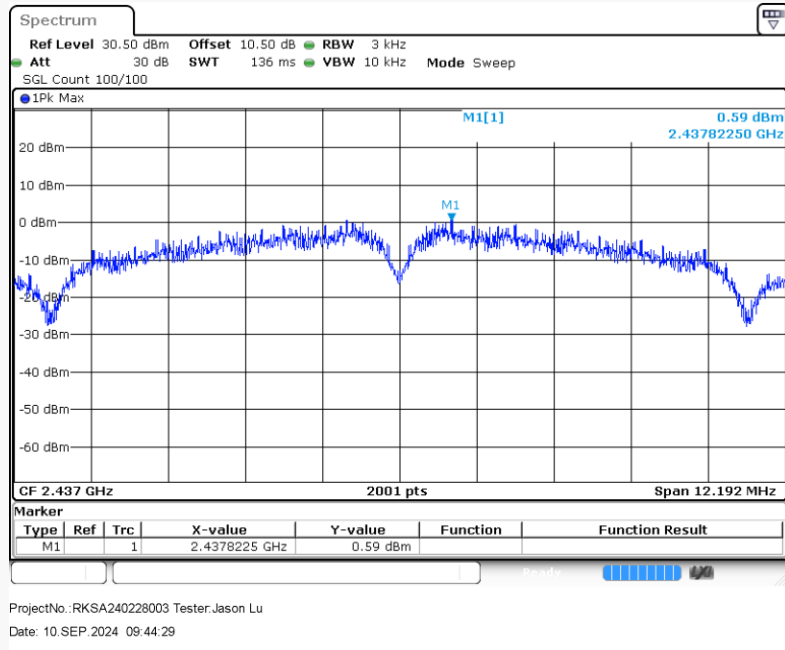


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 15:04:59

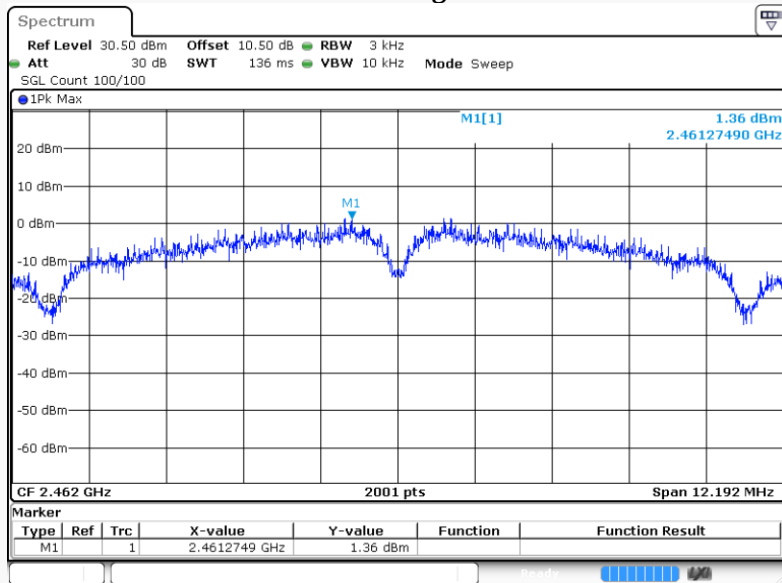
802.11n-HT40 Mode High Channel



ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 15:18:22

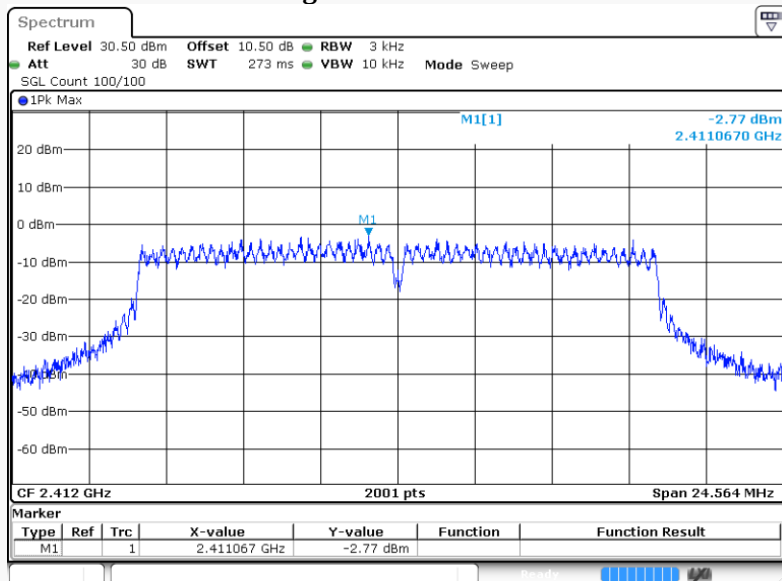
Chain 4:**802.11b Mode Low Channel****802.11b Mode Middle Channel**

802.11b Mode High Channel



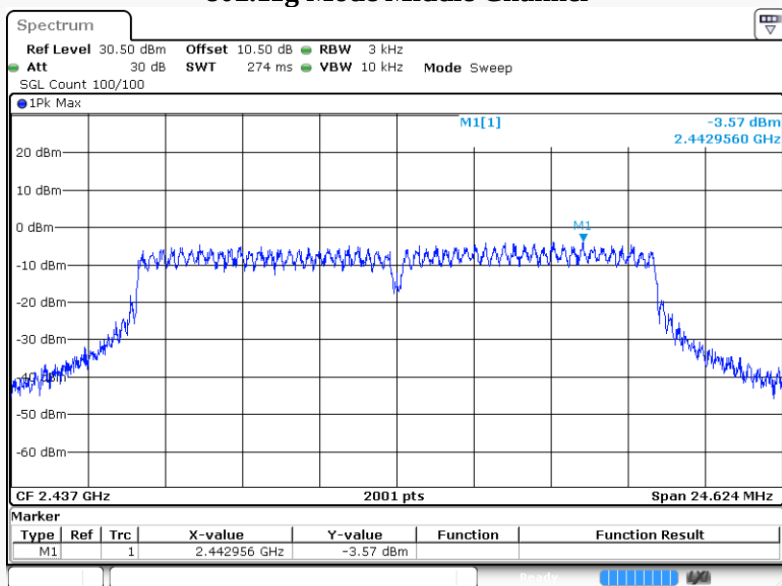
ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:25:51

802.11g Mode Low Channel

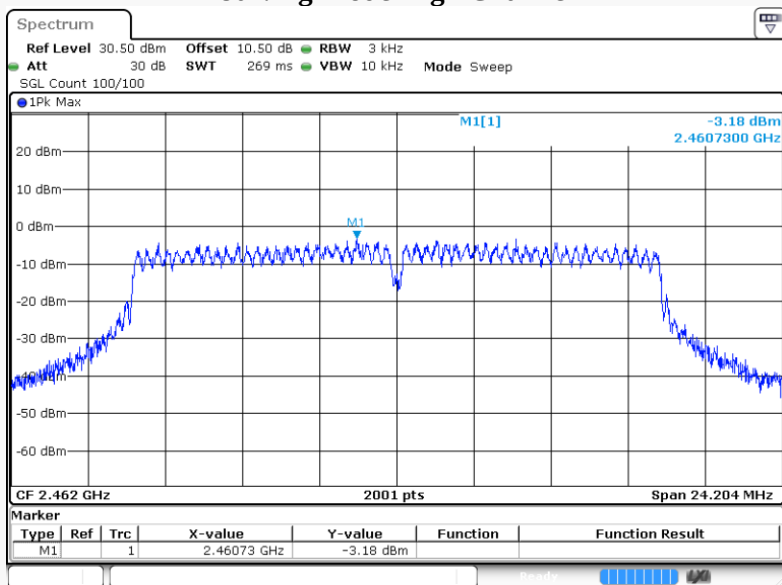


ProjectNo.:RKSA240228003 Tester:Jason Lu
Date: 9.SEP.2024 19:42:27

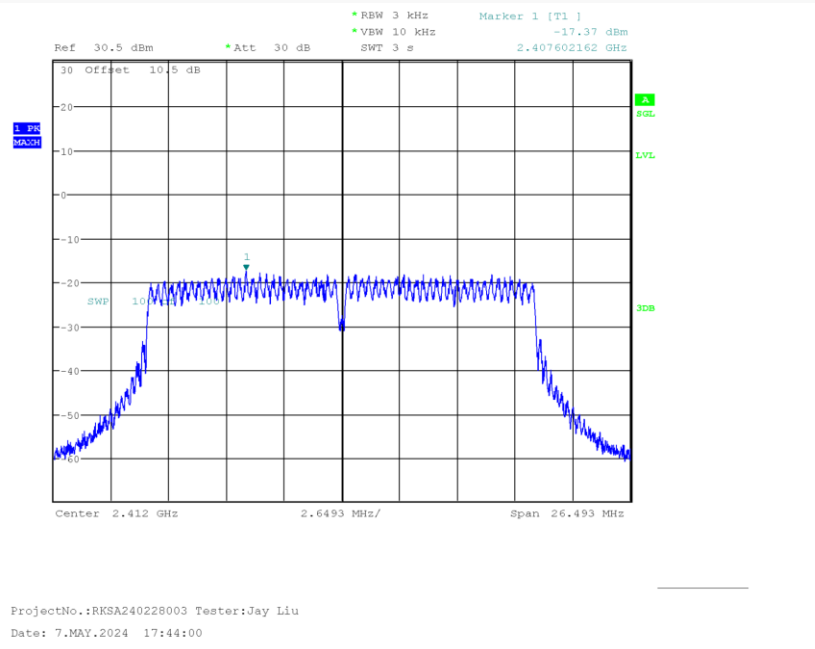
802.11g Mode Middle Channel



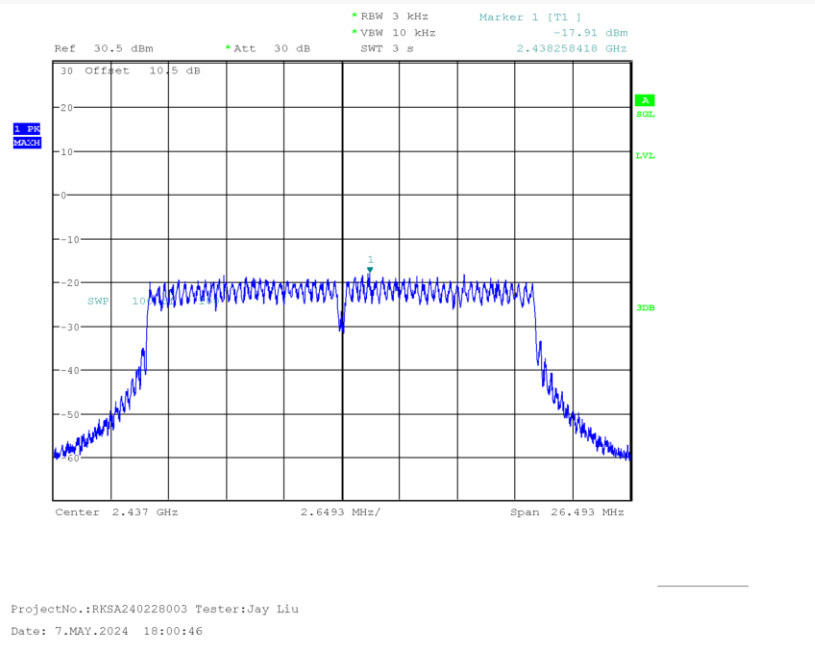
802.11g Mode High Channel



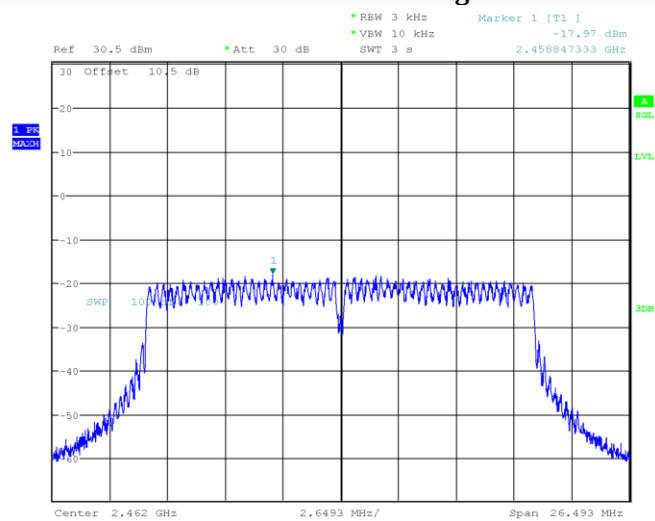
802.11n-HT20 Mode Low Channel



802.11n-HT20 Mode Middle Channel

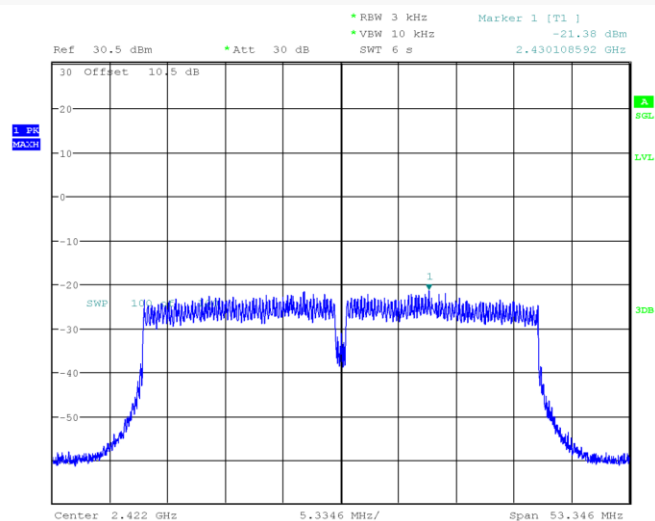


802.11n-HT20 Mode High Channel



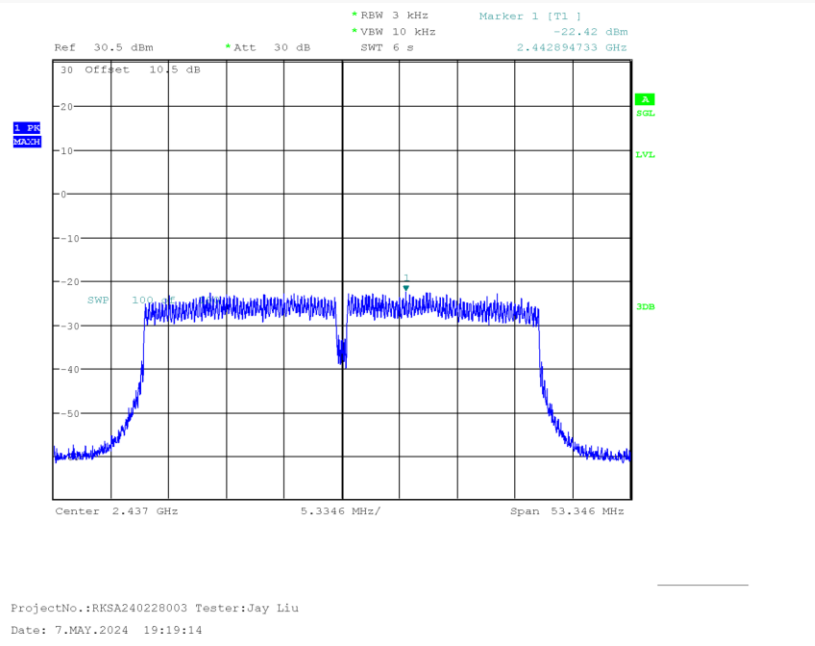
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 18:52:57

802.11n-HT40 Mode Low Channel

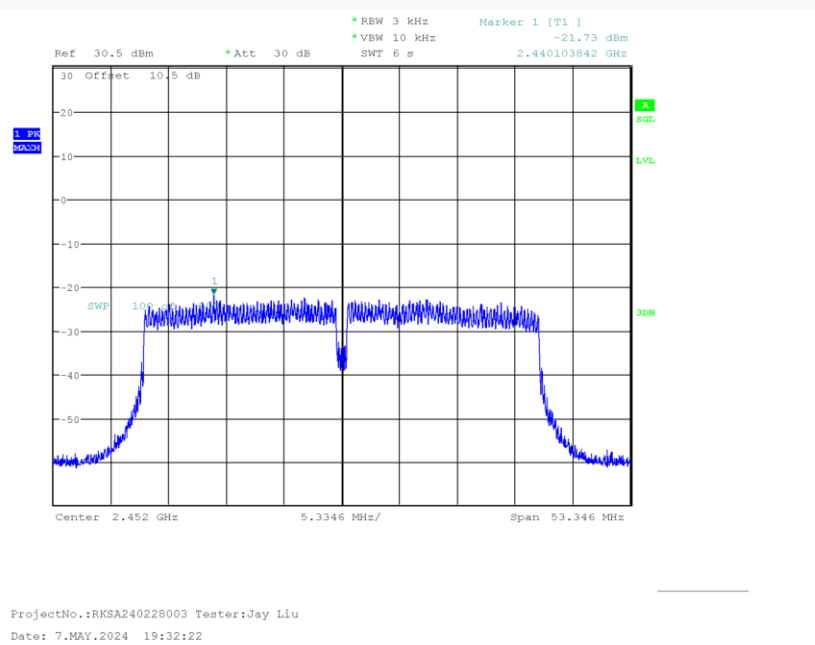


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 19:06:28

802.11n-HT40 Mode Middle Channel



802.11n-HT40 Mode High Channel



TRANSMITTER OUTPUT POWER MEASUREMENT

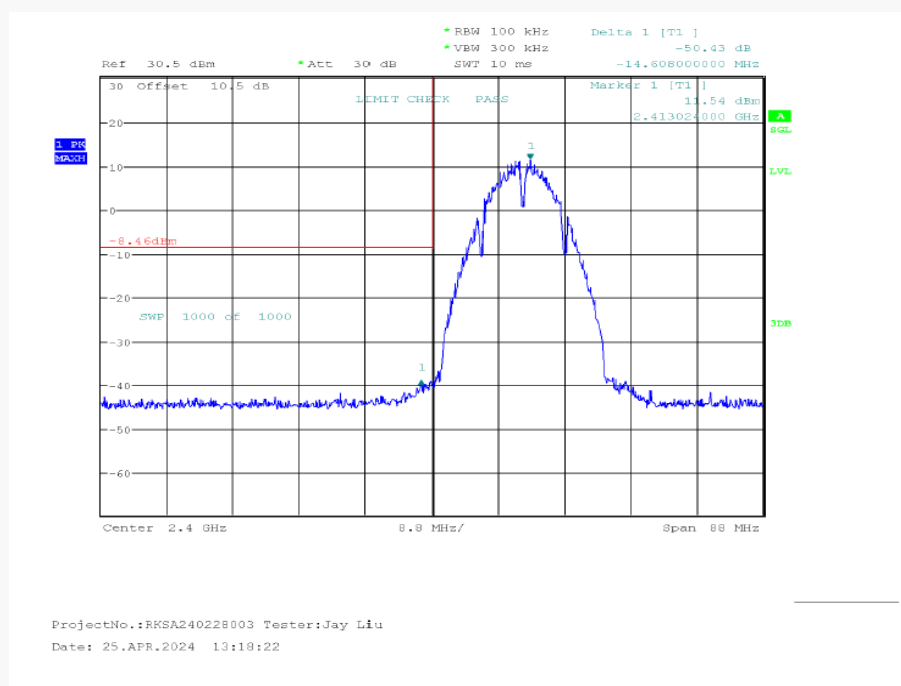
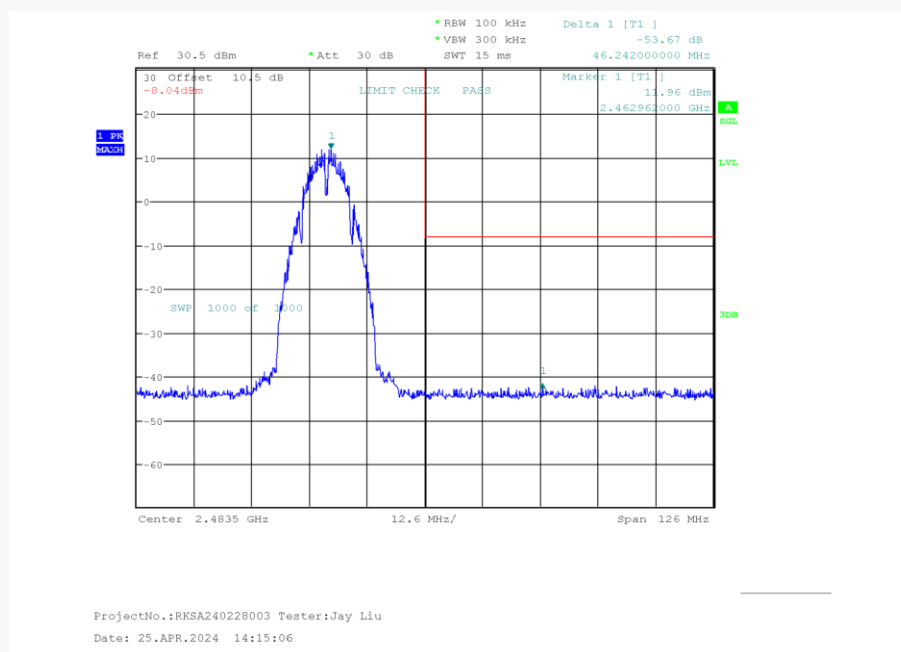
Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)					Peak Output Power Limit (dBm)
		Chain 1	Chain 2	Chain 3	Chain 4	Total	
802.11b Mode							
Low	2412	21.62	21.56	21.36	21.65	/	≤30
Middle	2437	21.52	21.42	21.50	21.18	/	≤30
High	2462	21.63	21.24	21.39	21.20	/	≤30
802.11g Mode							
Low	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:

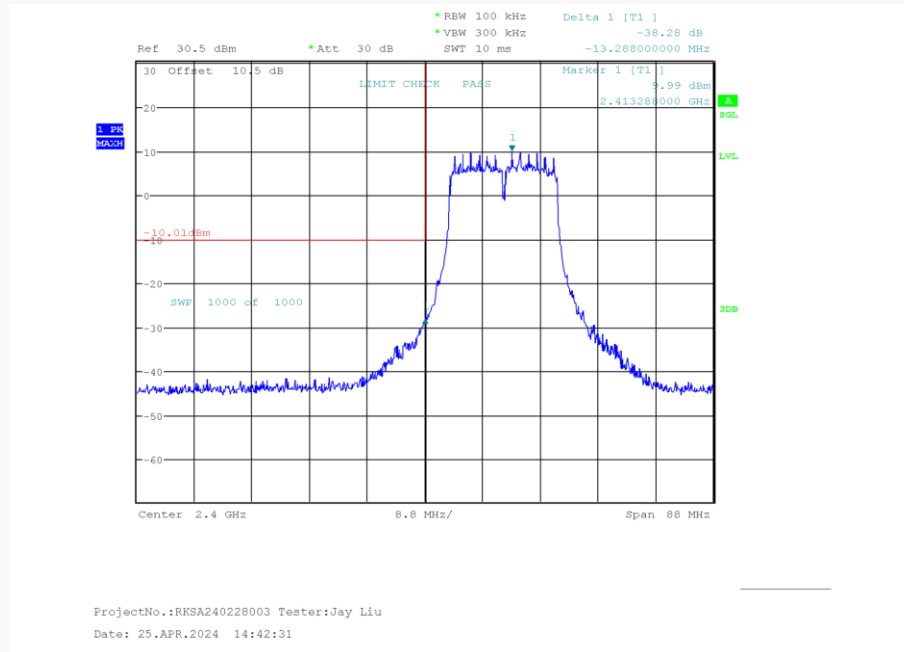
The maximum antenna gain is 6dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

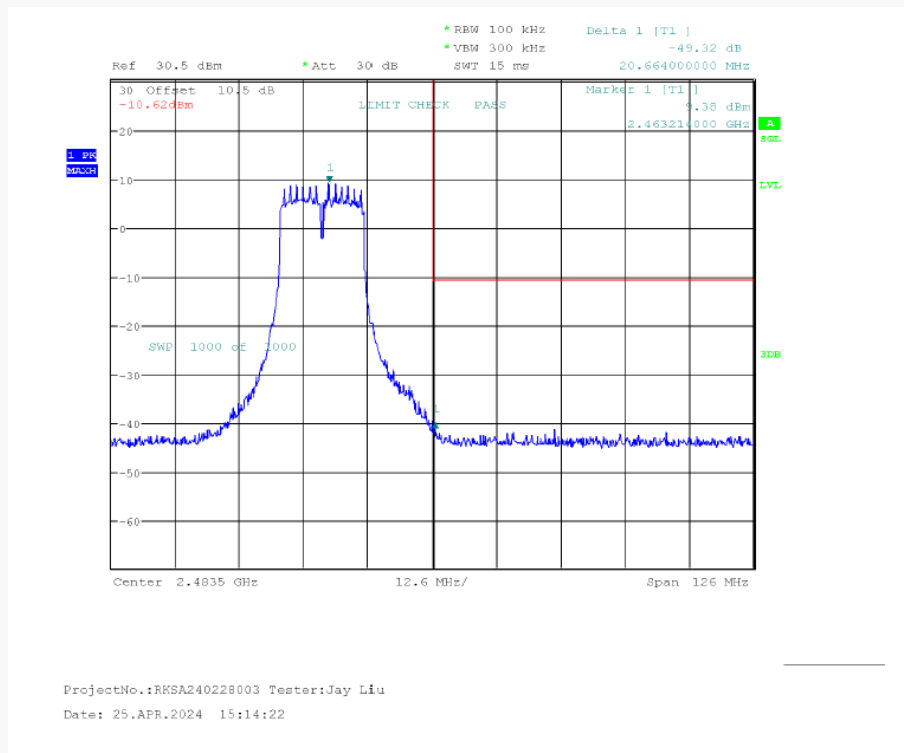
So: Directional gain = $G_{ANT} + \text{Array Gain} = 6\text{dBi}$, no RF out power limit was reduced.

100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE*EUT operation mode: Transmitting**Chain 1:***802.11b Mode Left Side****802.11b Mode Right Side**

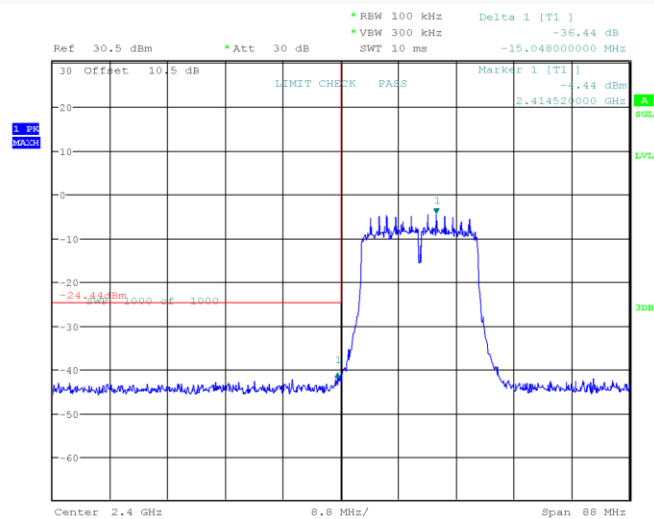
802.11g Mode Left Side



802.11g Mode Right Side

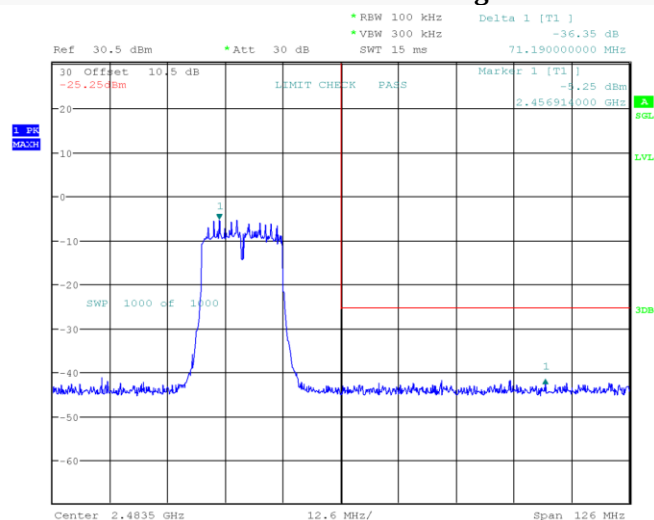


802.11n-HT20 Mode Left Side



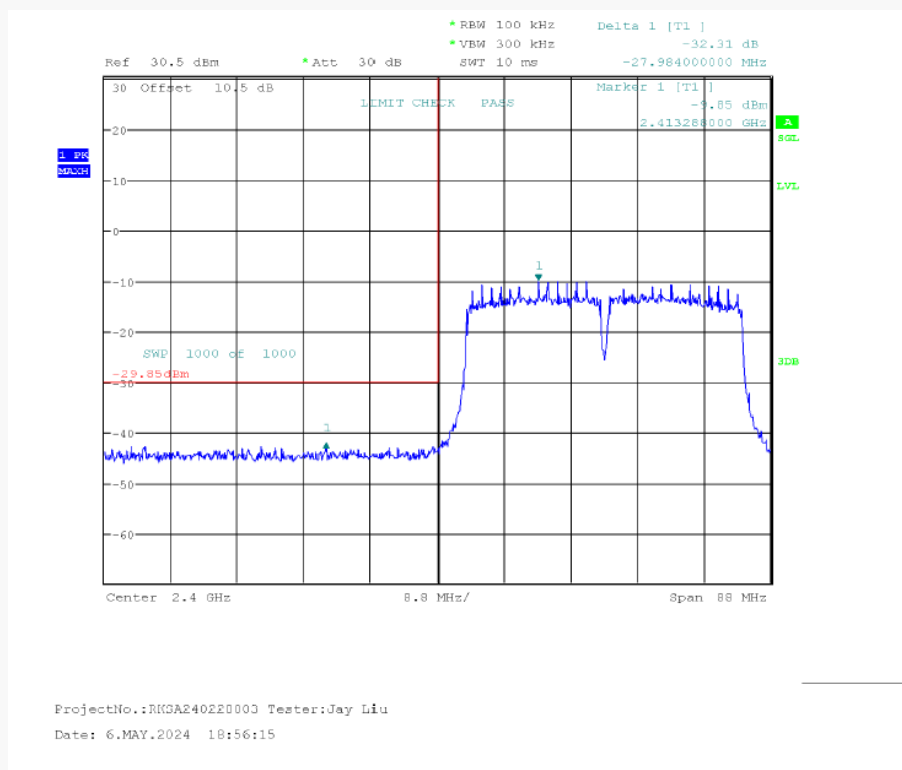
ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 6.MAY.2024 17:51:55

802.11n-HT20 Mode Right Side

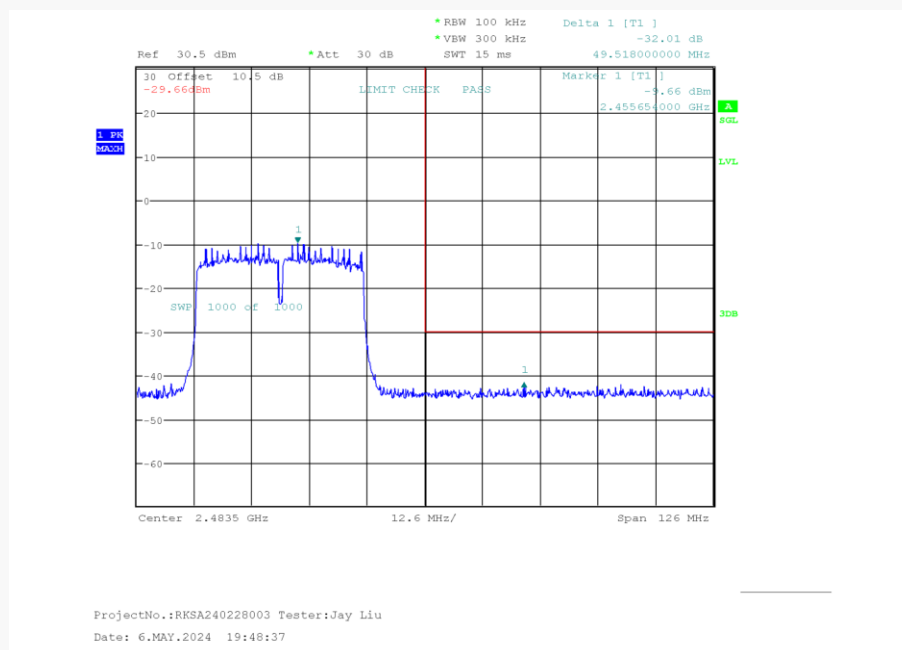


ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 6.MAY.2024 18:46:39

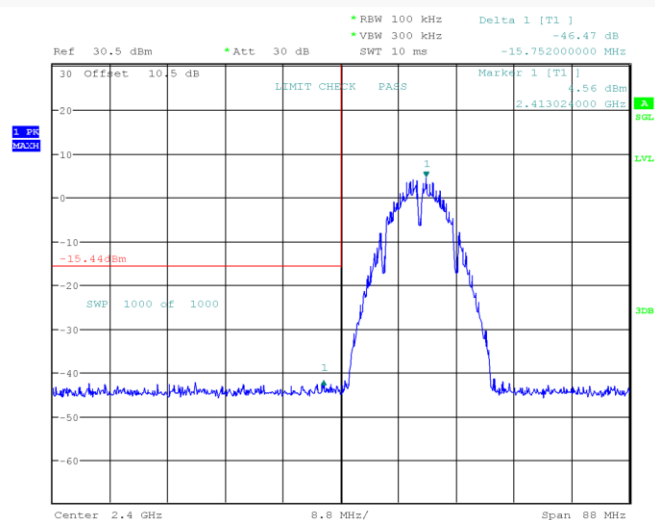
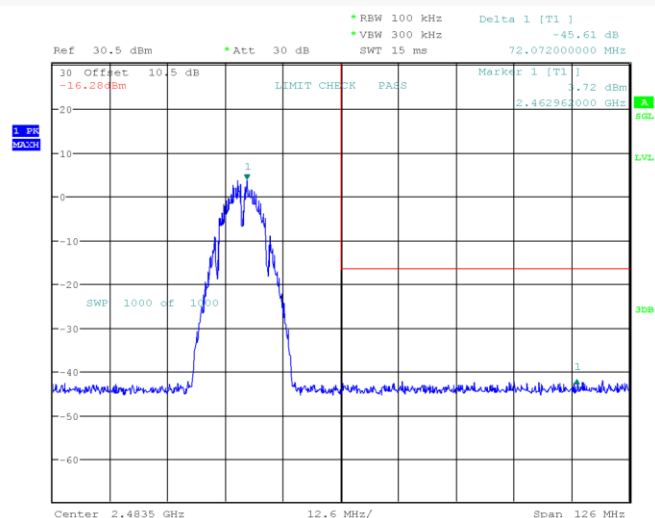
802.11n-HT40 Mode Right Side

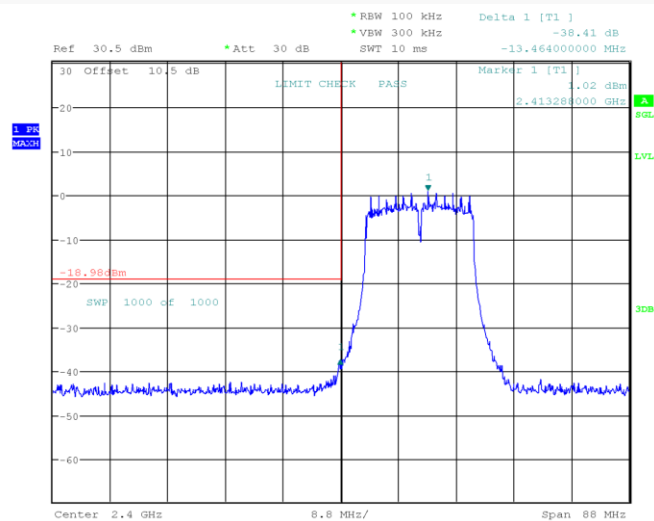


802.11n-HT40 Mode Right Side

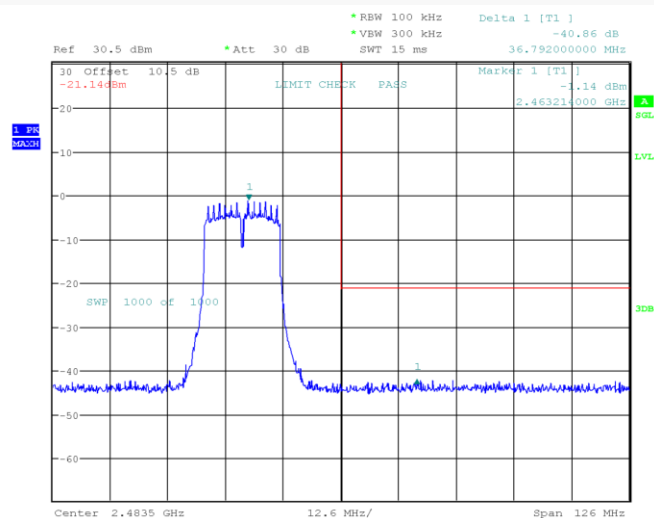


Chain 2:

802.11b Mode Left Side**802.11b Mode Right Side**

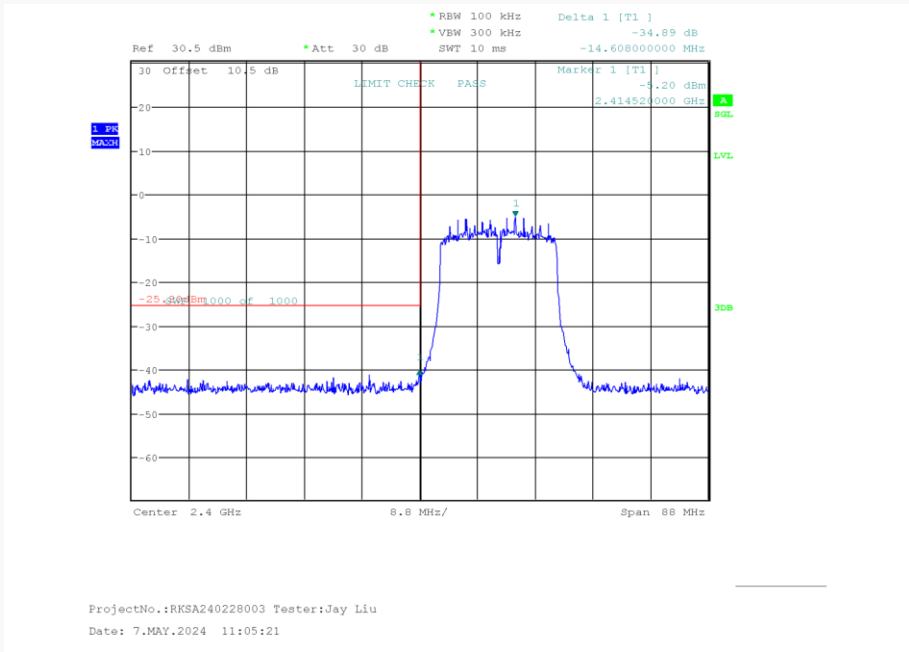
802.11g Mode Left Side

ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 10:33:35

802.11g Mode Right Side

ProjectNo.:RKSA240228003 Tester:Jay Liu
Date: 7.MAY.2024 10:53:50

802.11n-HT20 Mode Left Side



802.11n-HT20 Mode Right Side

