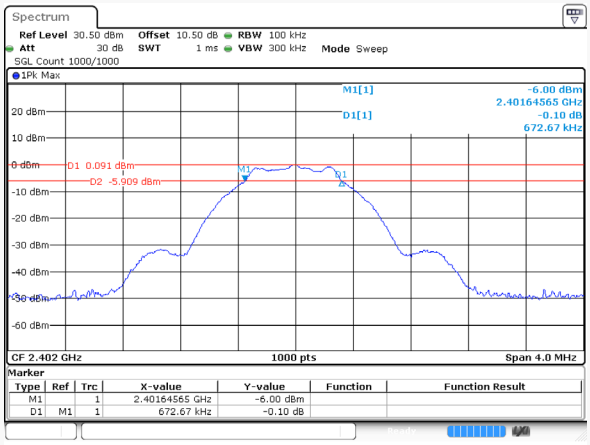
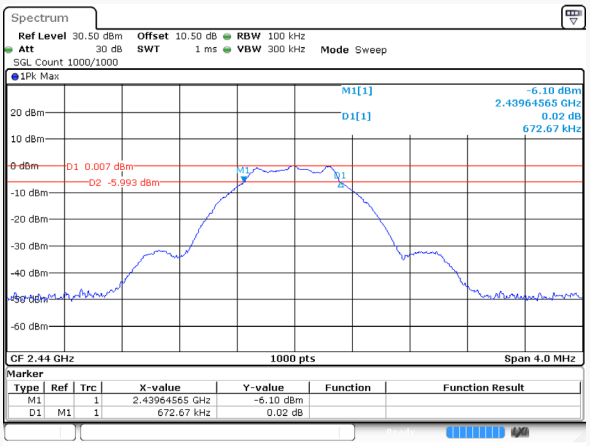
For BLE Mode:

BLE (1 Mbps)

Low Channel

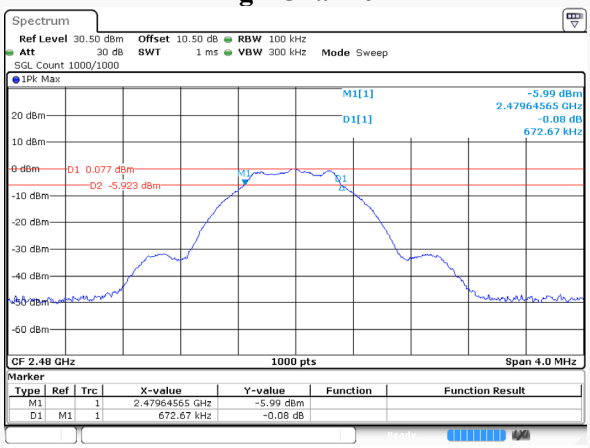


Middle Channel

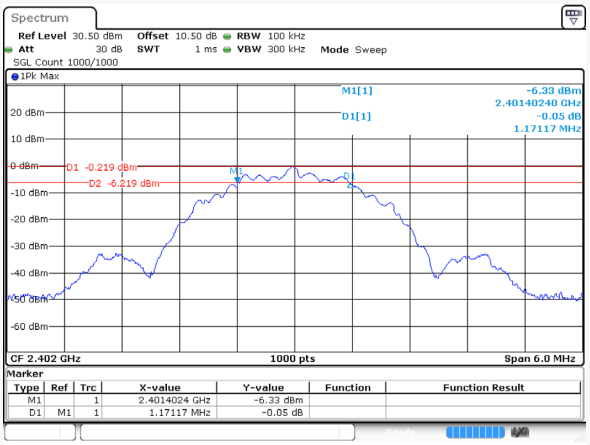


BLE (2 Mbps)

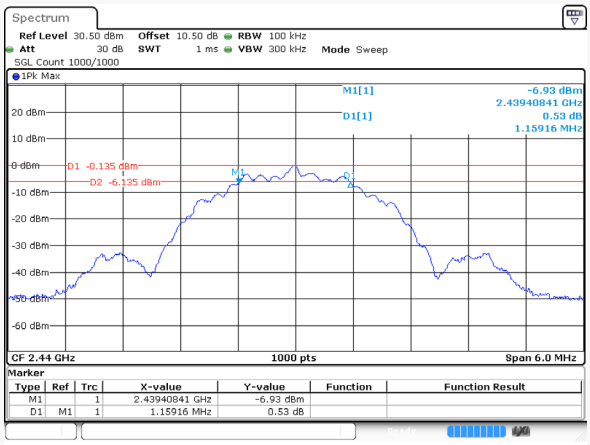
High Channel



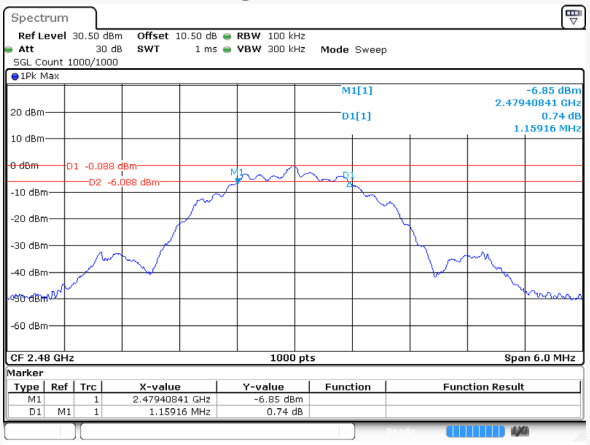
Low Channel



Middle Channel



High Channel



MAXIMUM CONDUCTED OUTPUT POWER

Environmental Conditions & Test Information

Test Date:	2026-08-11
Temperature:	24.3 ℃
Relative Humidity:	59 %
ATM Pressure:	100.3 kPa
Test Result:	Pass
Test Engineer:	Hugh Wu

Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

Test Mode	Channel (MHz)	Maximum Conducted Peak Output Power (dBm)			Limit(dBm)	Verdict
		Chain 0	Chain 1	Total		
802.11b	2412	10.53	10.49	/	≤30.00	PASS
	2437	10.43	10.46	/	≤30.00	PASS
	2462	11.33	10.09	/	≤30.00	PASS
802.11g	2412	19.04	19.80	/	≤30.00	PASS
	2437	17.51	18.93	/	≤30.00	PASS
	2462	17.77	18.84	/	≤30.00	PASS
802.11n-HT20	2412	18.62	19.29	21.98	≤30.00	PASS
	2437	18.02	18.73	21.40	≤30.00	PASS
	2462	17.83	19.08	21.51	≤30.00	PASS
802.11n-HT40	2422	19.13	19.66	**22.41**	≤30.00	PASS
	2437	18.45	19.54	22.04	≤30.00	PASS
	2452	18.01	19.37	21.75	≤30.00	PASS

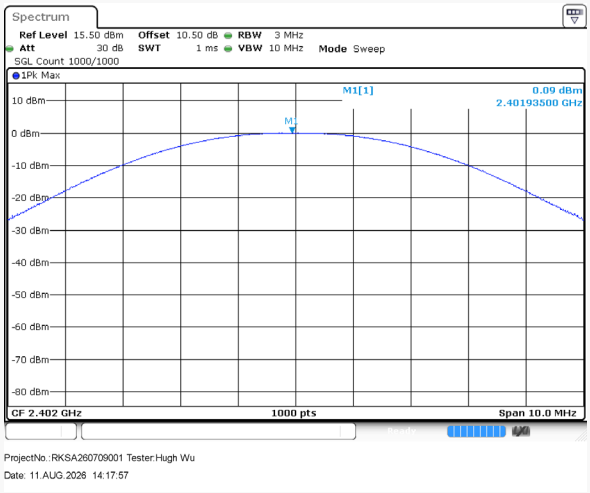
Note:
The maximum antenna gain is 3 dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leqslant 4$;
So: Directional gain = G_{ANT} + Array Gain =3dBi < 6dBi, no RF outpower limit was reduced.

For BLE Mode:

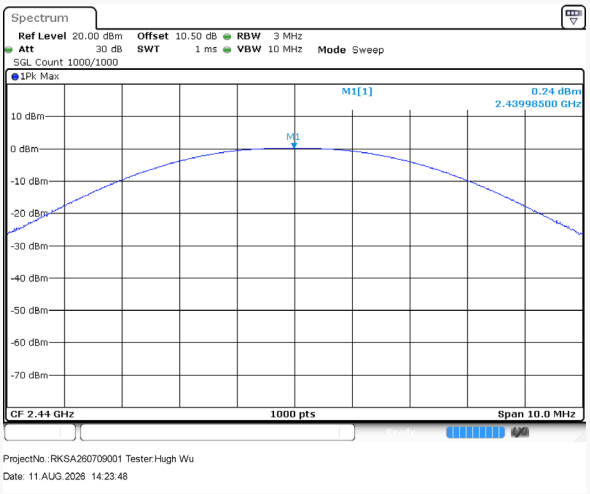
Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	0.09	≤30	Pass
	Middle	2440	0.24	≤30	Pass
	High	2480	0.26	≤30	Pass
BLE (2 Mbps)	Low	2402	0.30	≤30	Pass
	Middle	2440	0.28	≤30	Pass
	High	2480	0.37	≤30	Pass

BLE (1 Mbps)

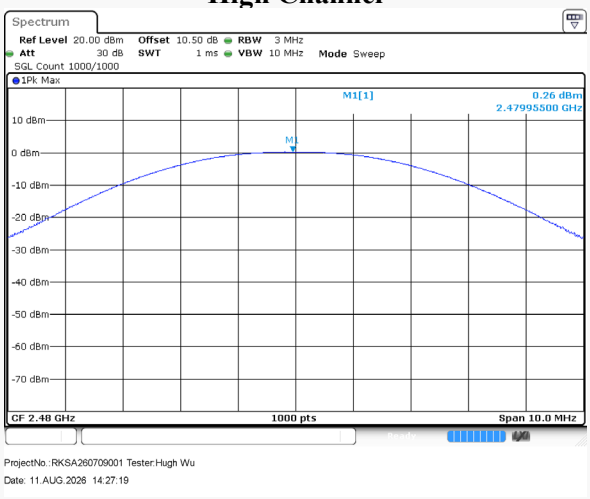
Low Channel



Middle Channel

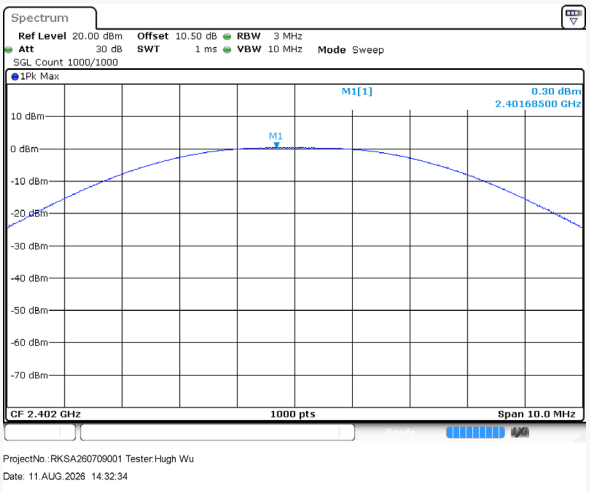


High Channel

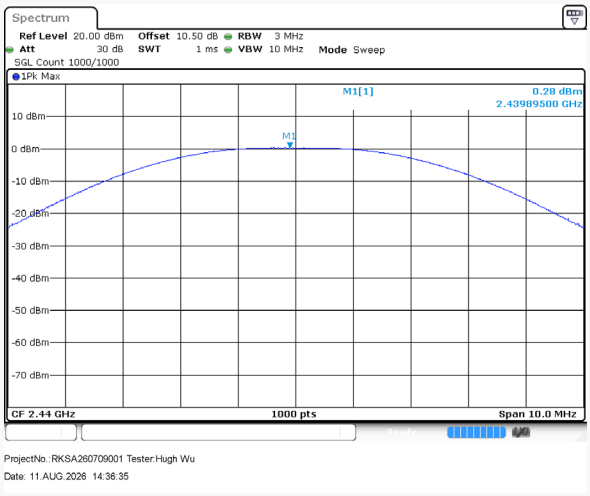


BLE (2 Mbps)

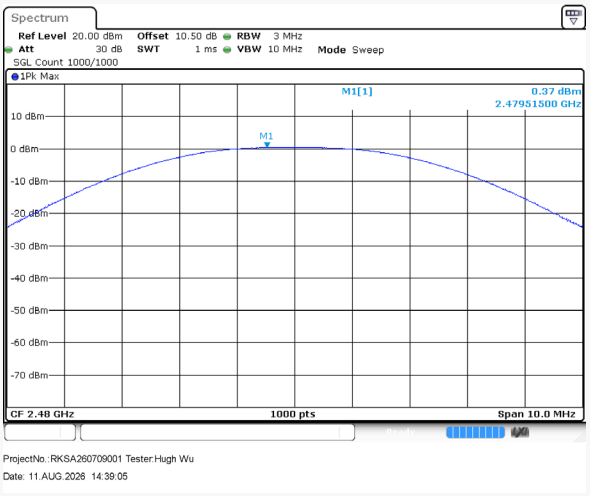
Low Channel



Middle Channel



High Channel



100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

Environmental Conditions & Test Information

Test Date:	2026-08-06 to 2026-08-11
Temperature:	22.4-24.3 ℃
Relative Humidity:	54-59%
ATM Pressure:	100.3-100.8kPa
Test Result:	Pass
Test Engineer:	Hugh Wu

EUT operation mode: Transmitting

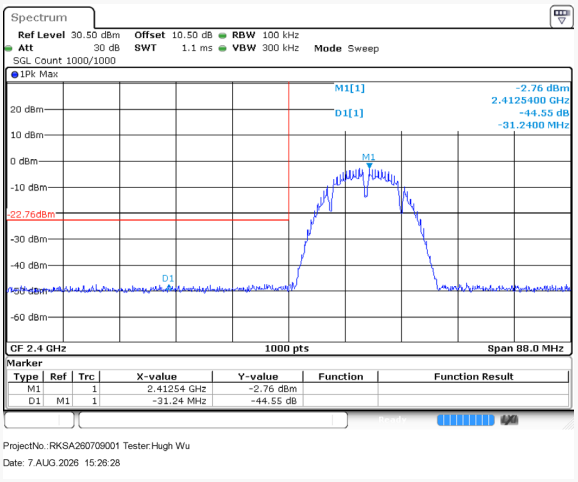
Test Result: Compliant

Mode	Channel	Test Frequency (MHz)	Result (dB)		Limit (dB)
			Chain0	Chain1	
802.11b	Low	2412	44.55	44.75	20
	High	2462	43.35	43.93	20
802.11g	Low	2412	39.20	35.23	20
	High	2462	44.00	46.31	20
802.11n-HT20	Low	2412	37.14	35.40	20
	High	2462	44.61	45.39	20
802.11n-HT40	Low	2422	38.77	36.31	20
	High	2452	41.52	38.73	20

Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
BLE (1 Mbps)	Low	2402	47.08	20
	High	2480	46.98	
BLE (2 Mbps)	Low	2402	32.41	20
	High	2480	46.70	

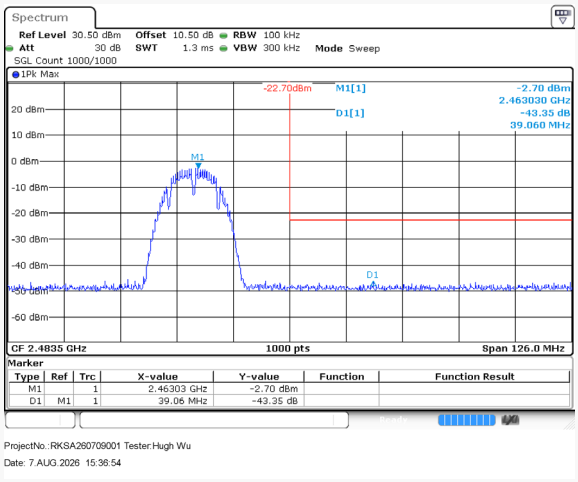
For Wi-Fi Mode:
Chain 0

802.11b Mode Left Side



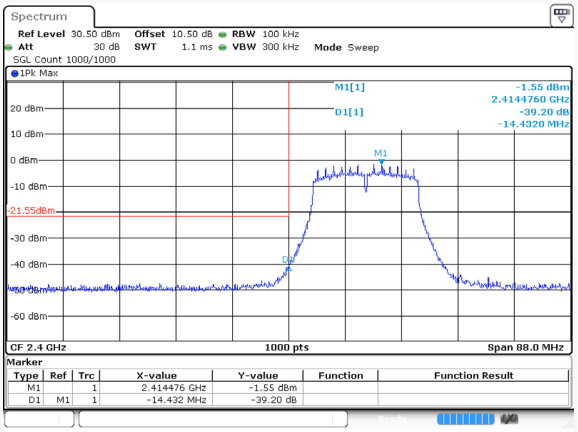
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 15:26:28

802.11b Mode Right Side



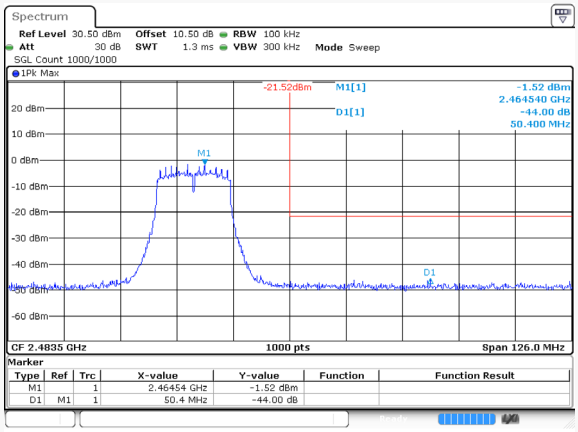
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 15:36:54

802.11g Mode Left Side



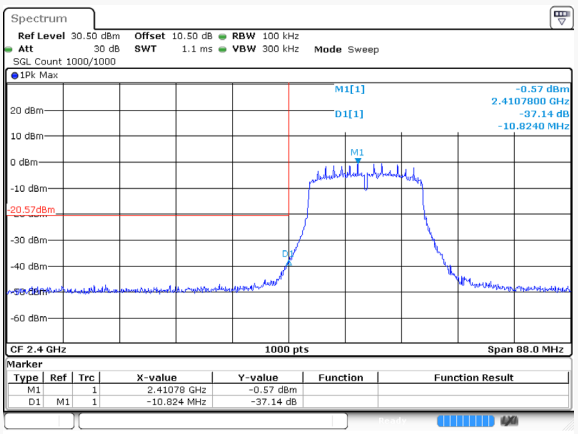
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 15:53:23

802.11g Mode Right Side



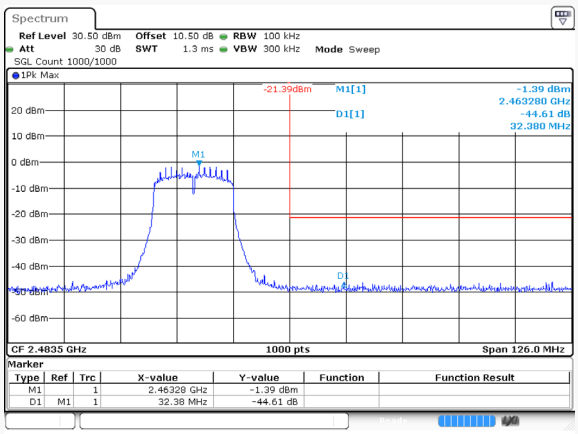
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:05:58

802.11n-HT20 Mode Left Side



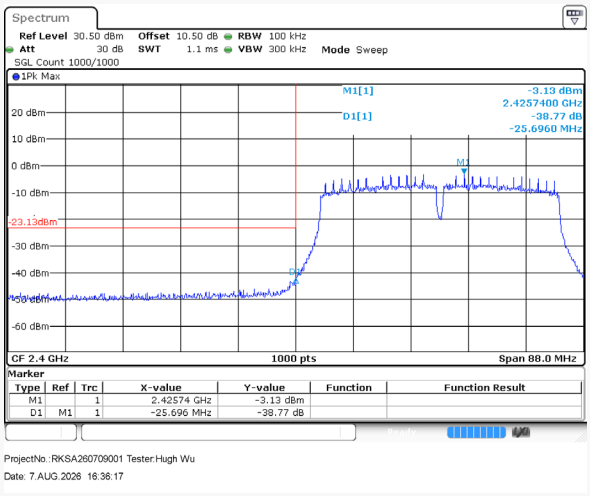
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:12:43

802.11n-HT20 Mode Right Side

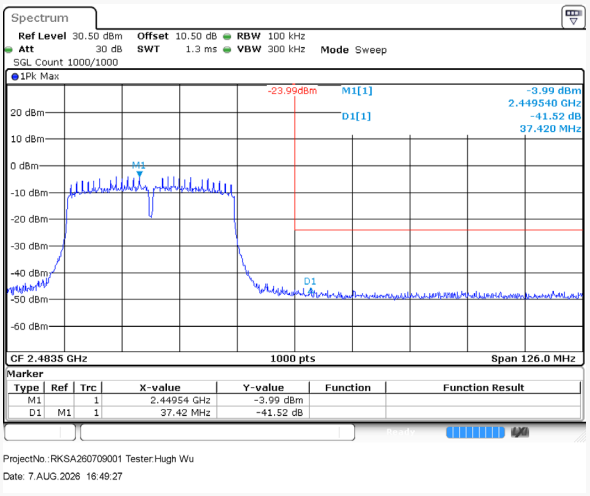


ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:30:38

802.11n-HT40 Mode Left Side

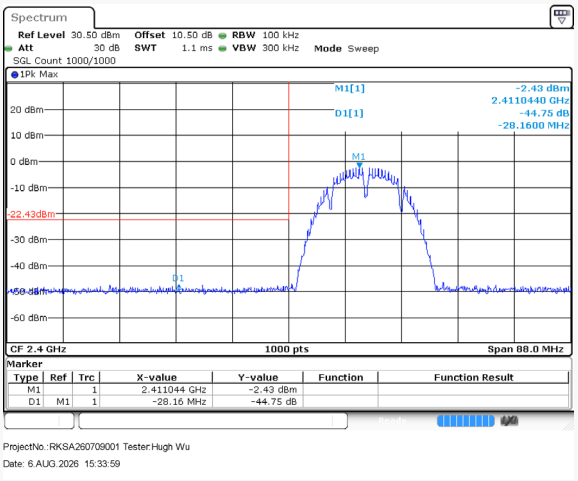


802.11n-HT40 Mode Right Side

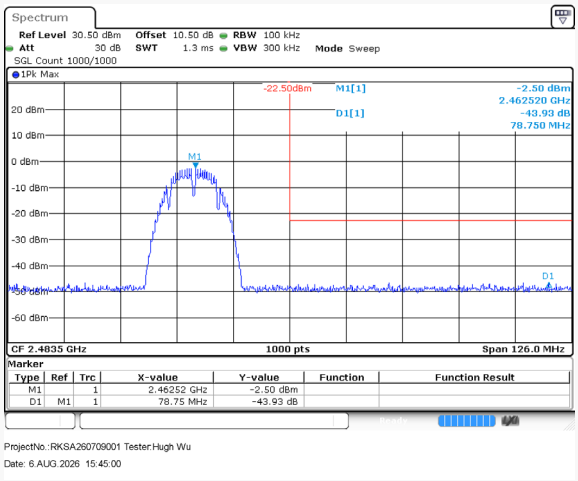


Chain 1

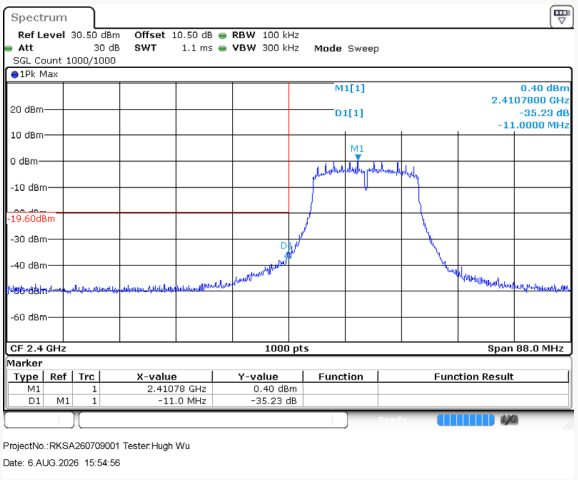
802.11b Mode Left Side



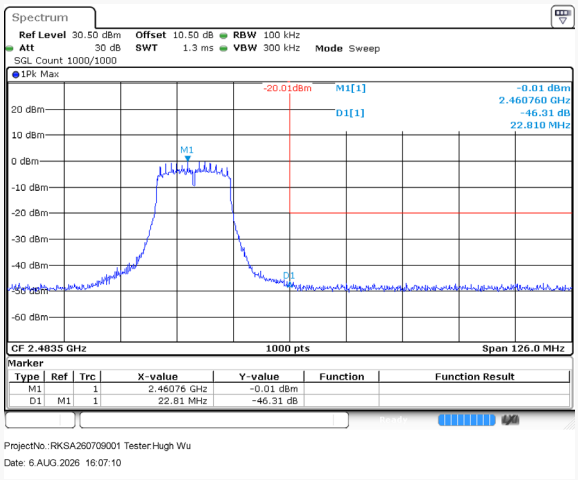
802.11b Mode Right Side



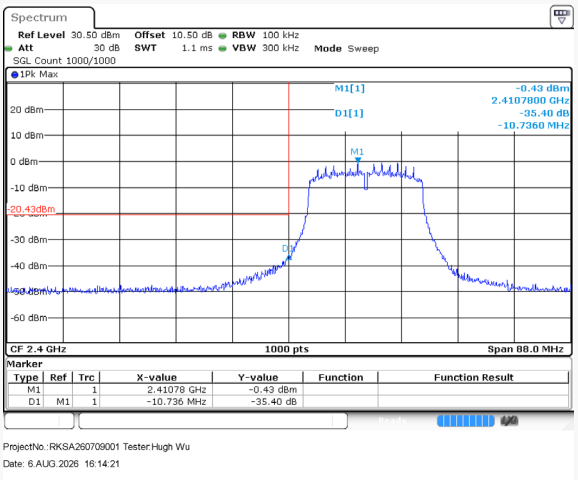
802.11g Mode Left Side



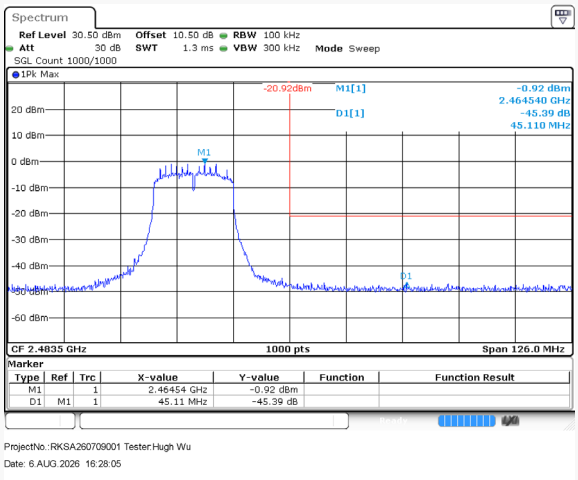
802.11g Mode Right Side



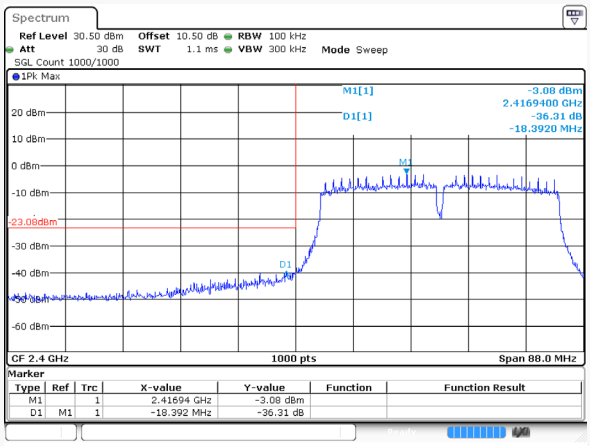
802.11n-HT20 Mode Left Side



802.11n-HT20 Mode Right Side

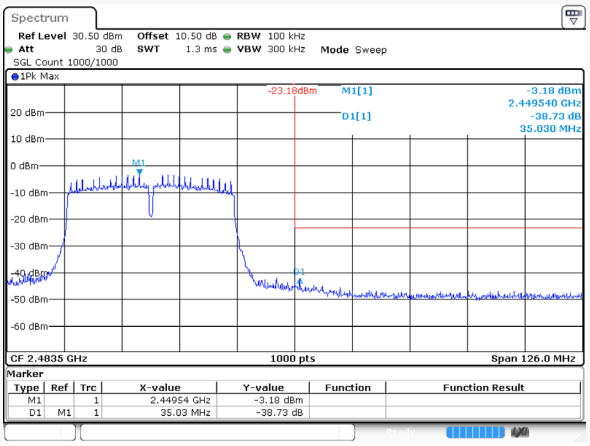


802.11n-HT40 Mode Left Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 6.AUG.2026 16:35:51

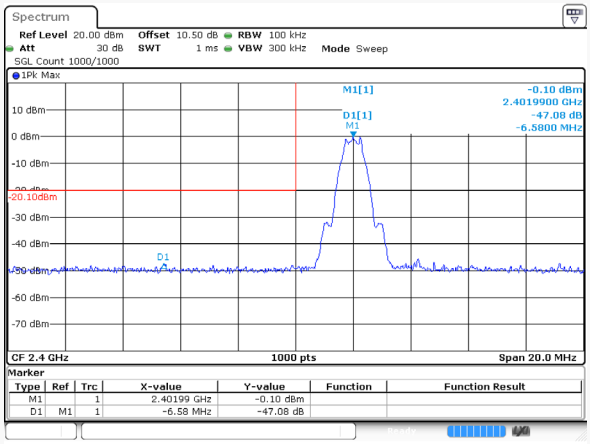
802.11n-HT40 Mode Right Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 6.AUG.2026 16:50:33

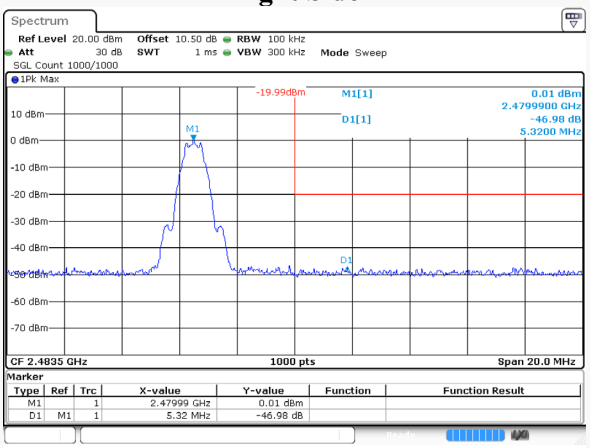
For BLE Mode:
BLE (1 Mbps)

Left Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 11.AUG.2026 14:18:14

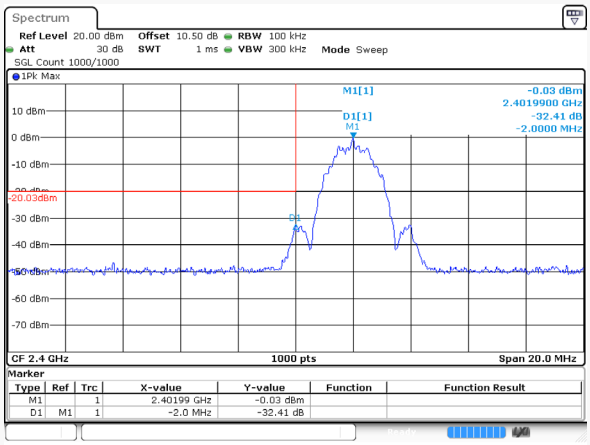
Right Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 11.AUG.2026 14:27:31

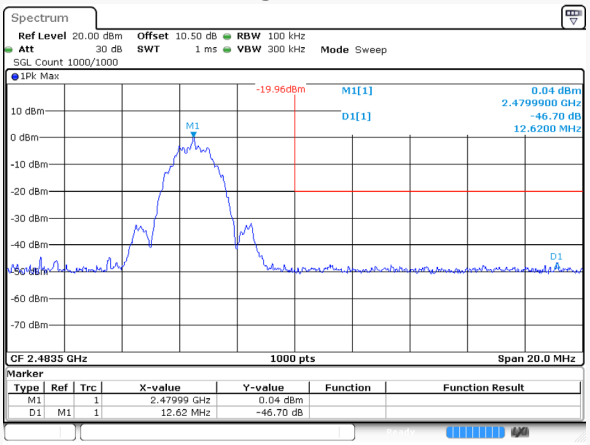
BLE (2 Mbps)

Left Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 11.AUG.2026 14:32:51

Right Side



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 11.AUG.2026 14:39:17

CONDUCTED SPURIOUS EMISSION

Environmental Conditions & Test Information

Test Date:	2026-08-06 to 2026-09-15
Temperature:	22.4-25.3 ℃
Relative Humidity:	54-59%
ATM Pressure:	100.3-101.9 kPa
Test Result:	Pass
Test Engineer:	Hugh Wu

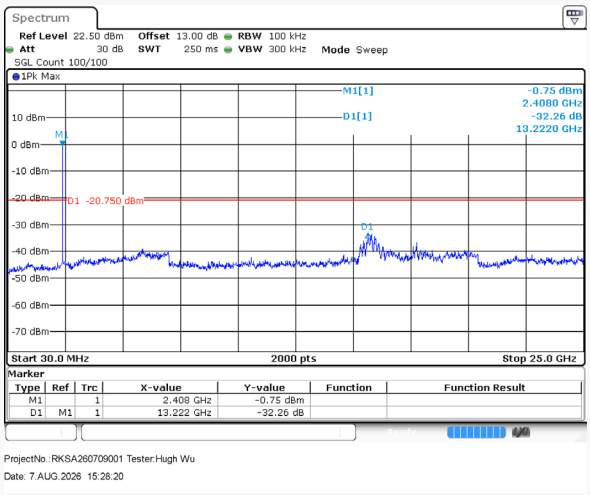
Mode	Channel	Frequency (MHz)	Result (dB)		Limit (dB)
			Chain0	Chain1	
802.11b	Low	2412	32.26	33.63	20
	Middle	2437	31.65	33.99	20
	High	2462	33.01	33.57	20
802.11g	Low	2412	33.26	34.04	20
	Middle	2437	34.44	36.47	20
	High	2462	34.11	33.97	20
802.11n-HT20	Low	2412	35.67	35.06	20
	Middle	2437	35.63	34.56	20
	High	2462	32.60	34.24	20
802.11n-HT40	Low	2422	32.84	33.47	20
	Middle	2437	32.93	32.86	20
	High	2452	31.73	32.11	20

Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
BLE (1 Mbps)	Low	2402	36.18	20
	Middle	2440	35.76	20
	High	2480	36.59	20
BLE (2 Mbps)	Low	2402	36.04	20
	Middle	2440	36.36	20
	High	2480	36.19	20

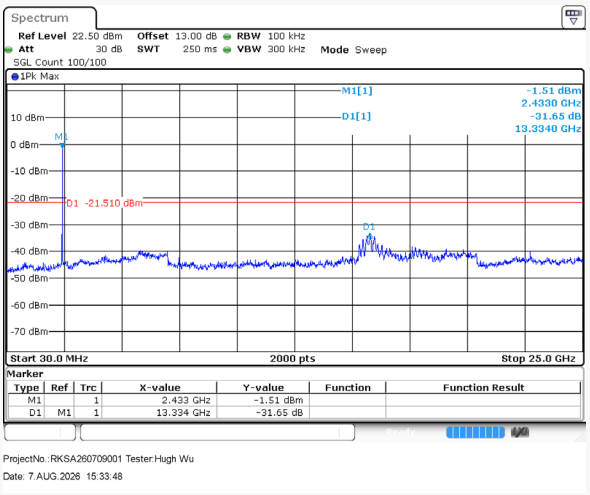
Note: the maximum path attenuation of 30MHz~25GHz was added into the offset

For Wi-Fi Mode:
Chain0

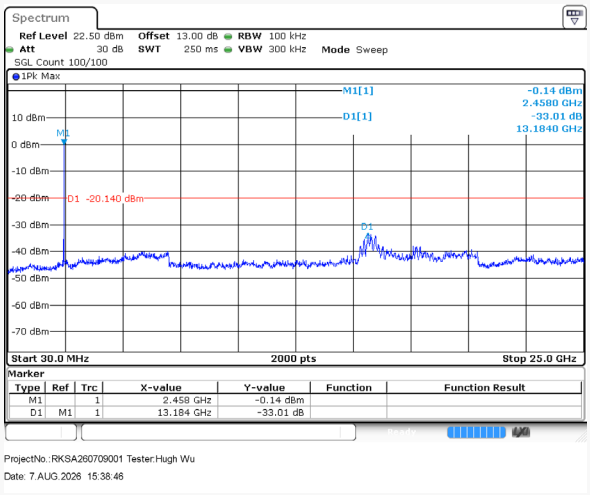
802.11b_2412MHz



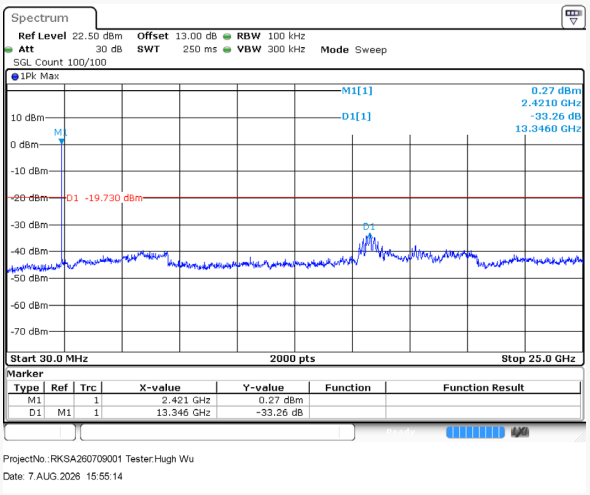
802.11b_2437MHz



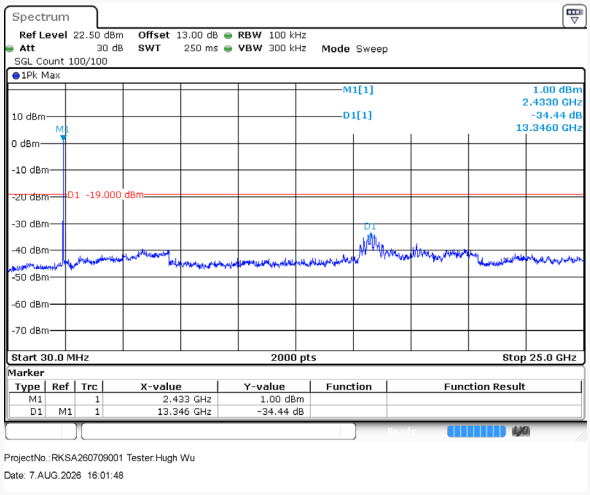
802.11b_2462MHz



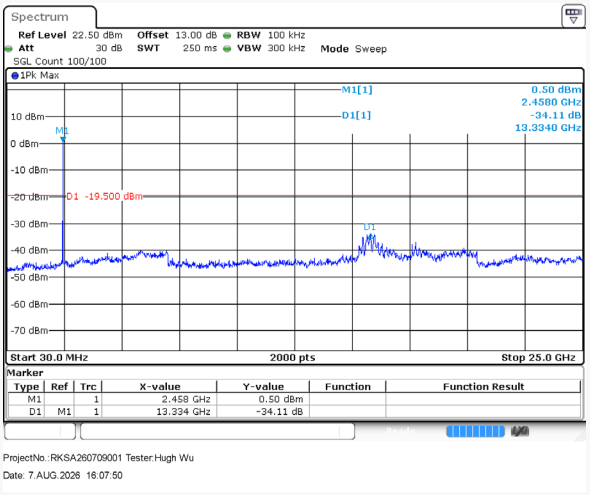
802.11g_2412MHz



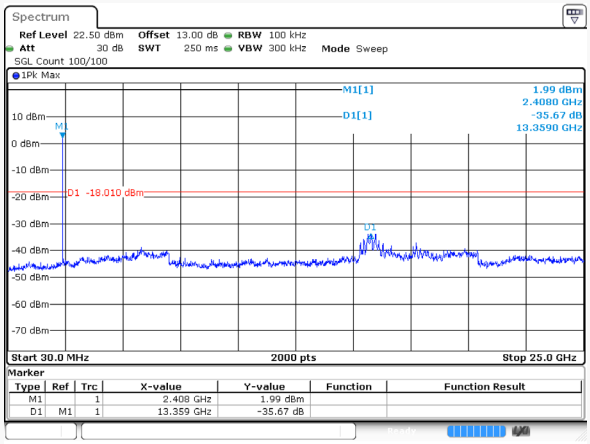
802.11g_2437MHz



802.11g_2462MHz

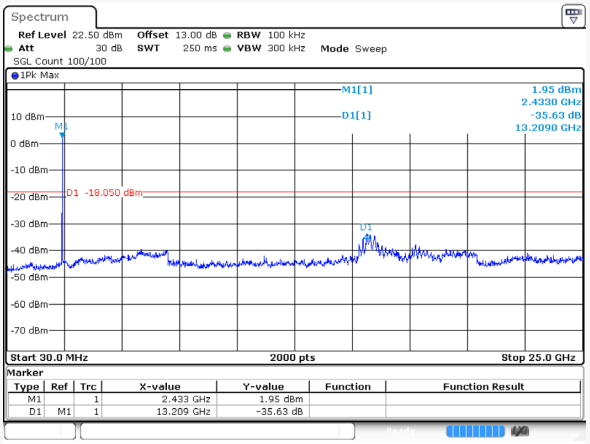


802.11n-HT20_2412MHz



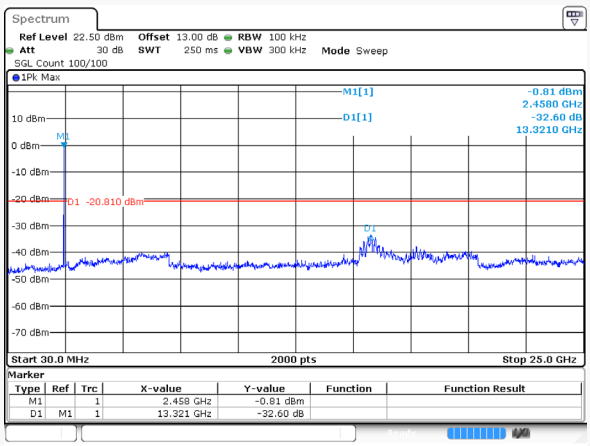
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:14:34

802.11n-HT20_2437MHz



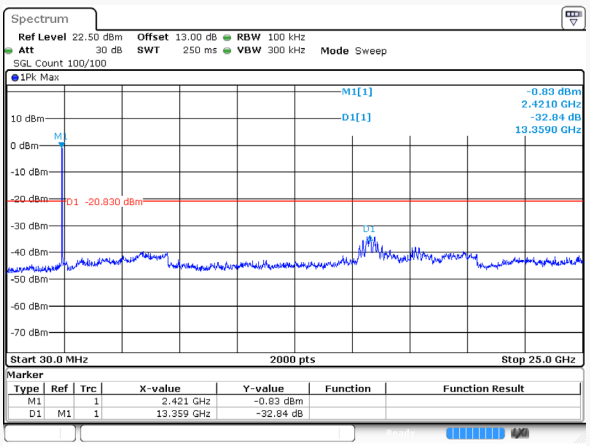
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:24:50

802.11n-HT20_2462MHz



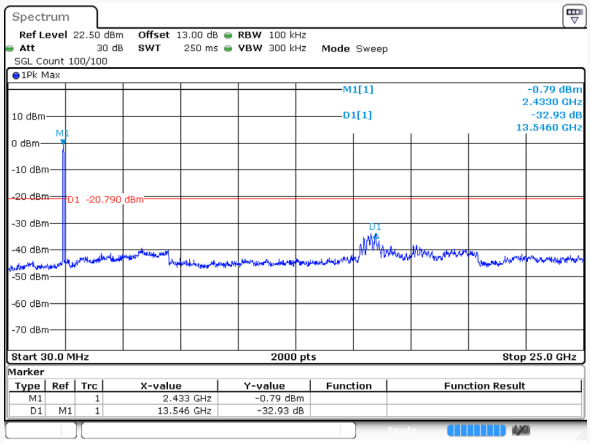
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:32:30

802.11n-HT40_2422MHz



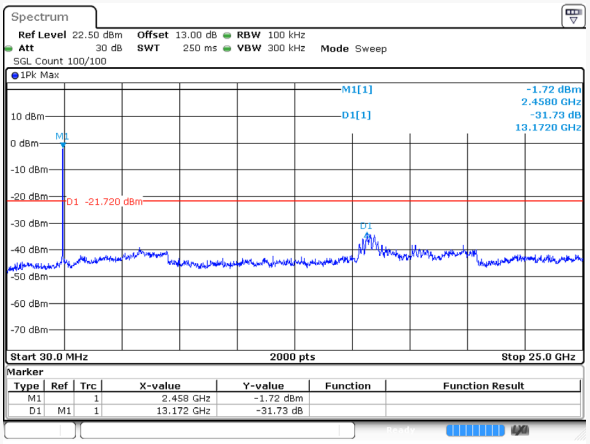
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:38:09

802.11n-HT40_2437MHz



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 16:44:53

802.11n-HT40_2452MHz



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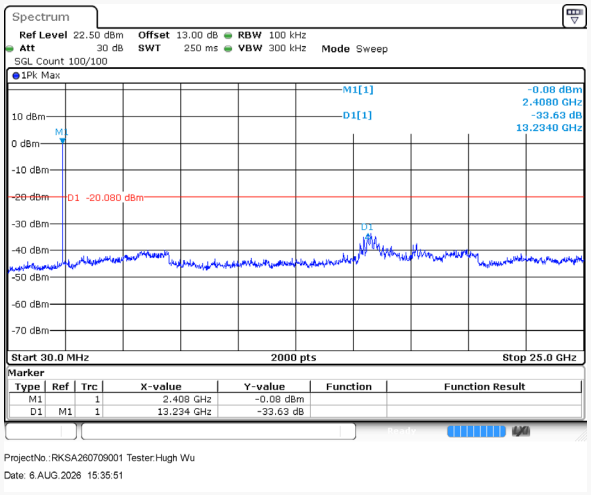
Date: 7.AUG.2026 16:51:19

Chain1

802.11b_2412MHz



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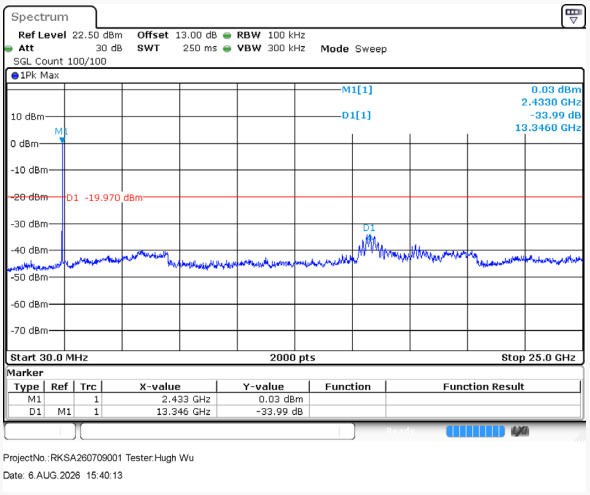

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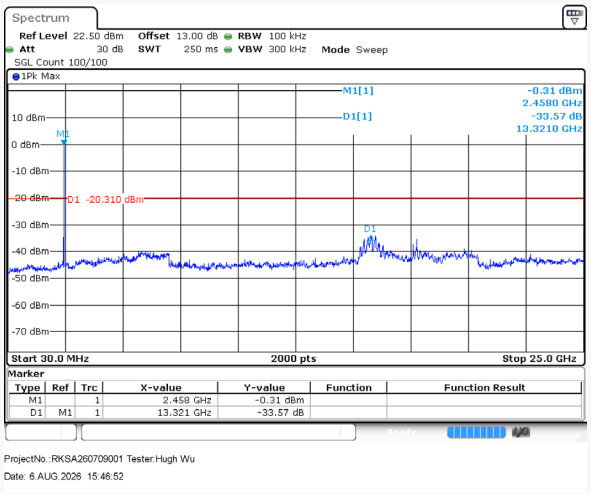

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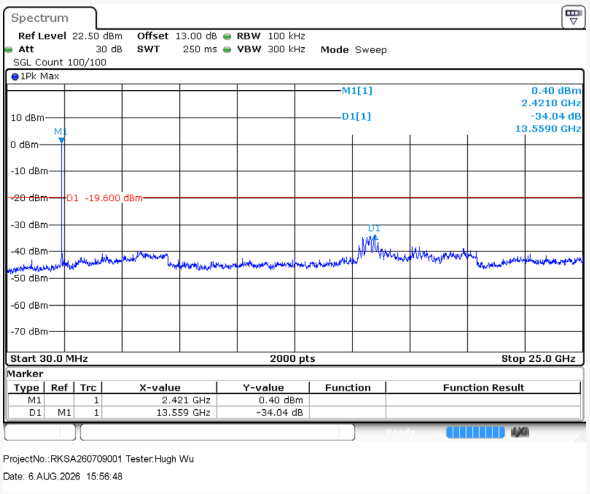

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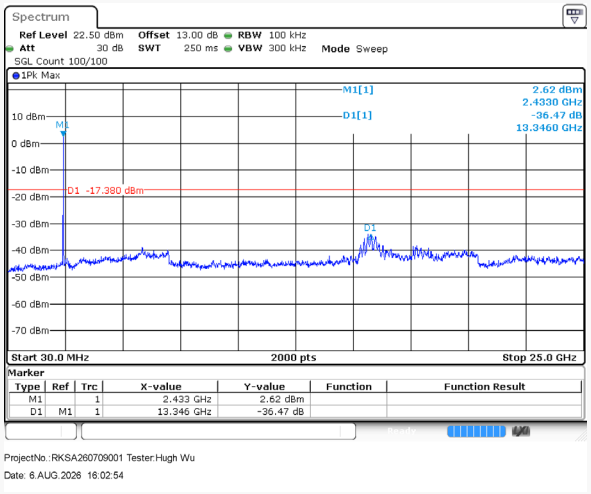

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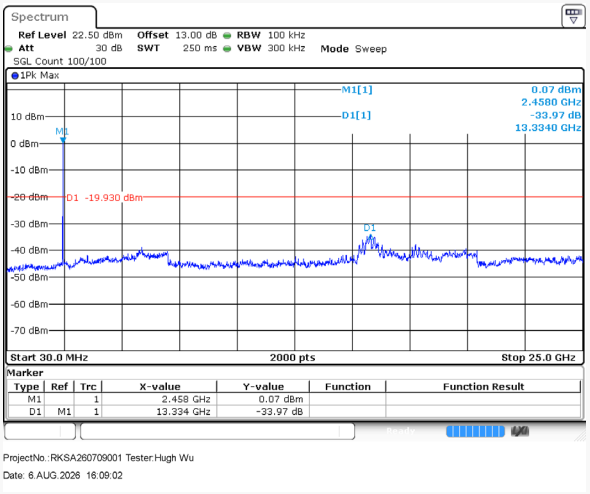
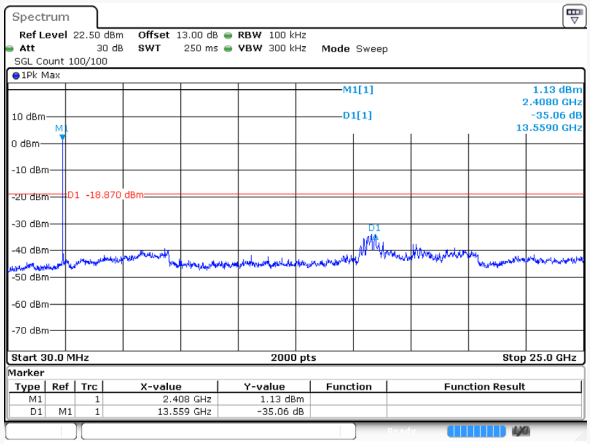


802.11n-HT20_2412MHz



ProjectNo.:RKSA260709001 Tester:Hugh Wu

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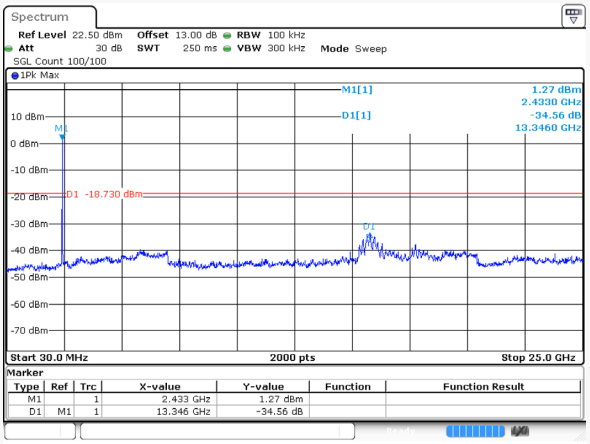
802.11n-HT20_2437MHz



ProjectNo.:RKSA260709001 Tester:Hugh Wu

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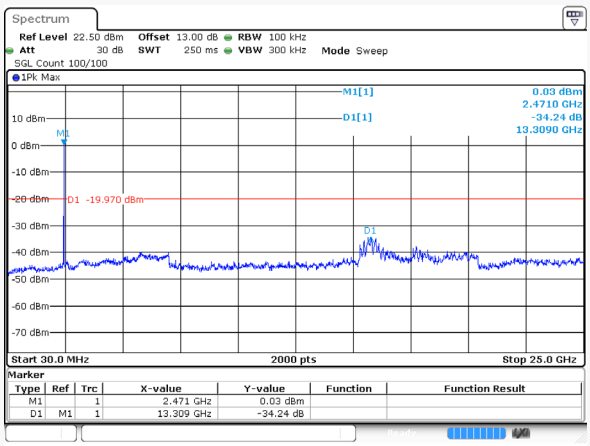
802.11n-HT20_2462MHz



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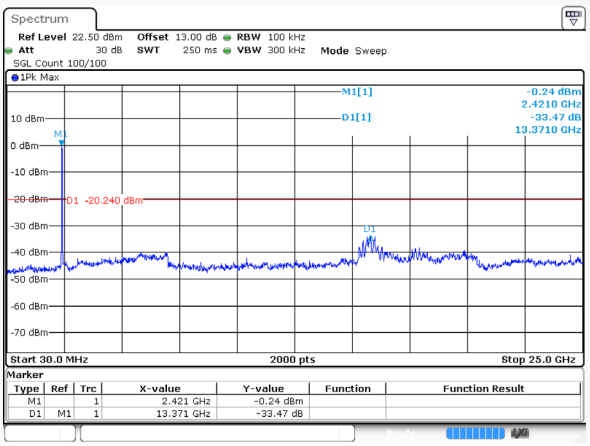
802.11n-HT40_2422MHz



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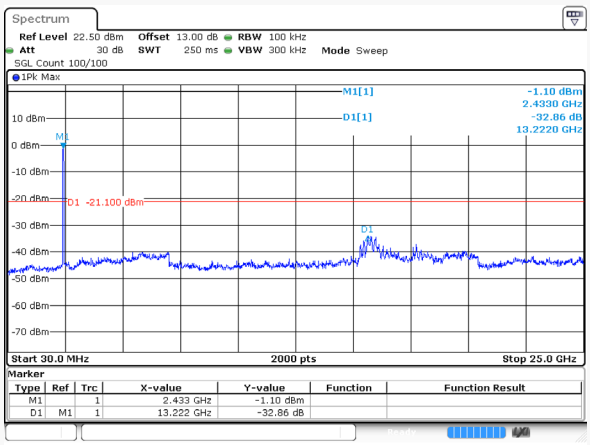
802.11n-HT40_2437MHz



ProjectNo.:RKSA260709001 Tester:Hugh Wu

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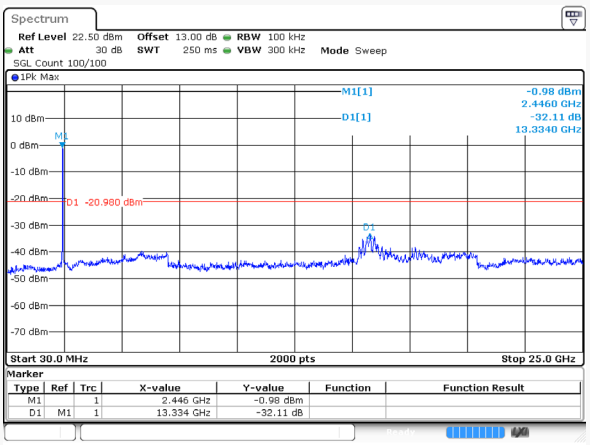
802.11n-HT40_2452MHz



ProjectNo.:RKSA260709001 Tester:Hugh Wu

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