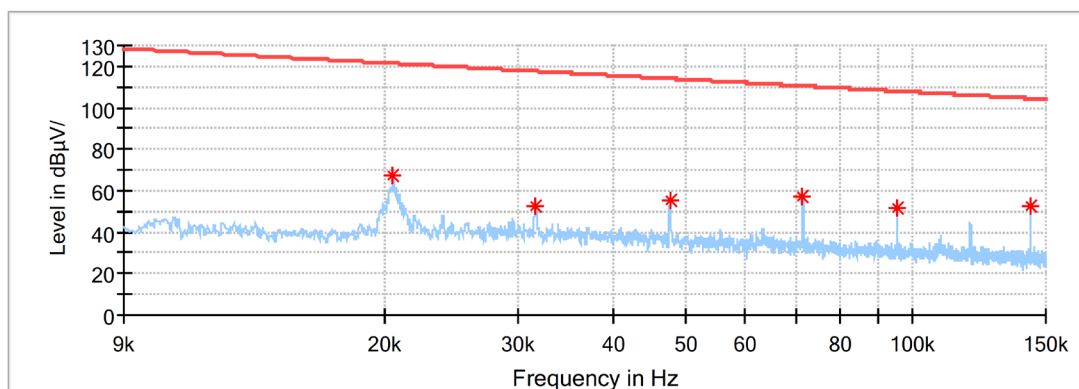


9kHz-150kHz: (Transmitting in maximum output power BLE 2Mbps mode low channel)**Parallel(worst case)****Low Channel: 2402MHz****Common Information**

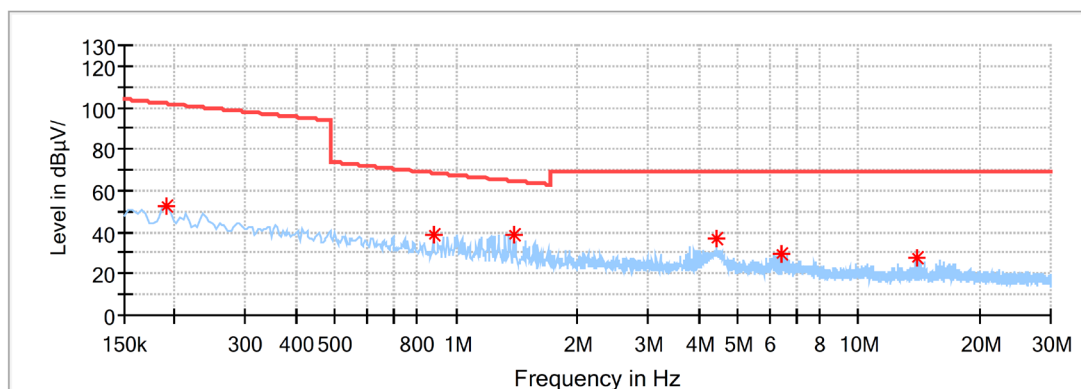
Project No: RBJ260416001
EUT Model: ZSL-1
Test Mode: Transmitting in BLE-2M mode low channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto
Temperature: 23.2°C
Humidity: 56%
Barometric Pressure: 100.9kPa
Test Engineer: Scarf Yang
Check by: Jason Lu
Test Date: 2026/6/26

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020456	67.39	121.38	53.99	Parallel	-0.1
0.031595	52.44	117.61	65.17	Parallel	-0.3
0.047722	55.12	114.03	58.91	Parallel	-2.9
0.071463	57.22	110.52	53.31	Parallel	-5.8
0.095274	51.56	108.03	56.47	Parallel	-8.1
0.142968	52.69	104.50	51.80	Parallel	-10.3

150kHz-30MHz: (Transmitting in maximum output power BLE 2Mbps mode low channel)**Parallel(worst case)****Low Channel: 2402MHz****Common Information**

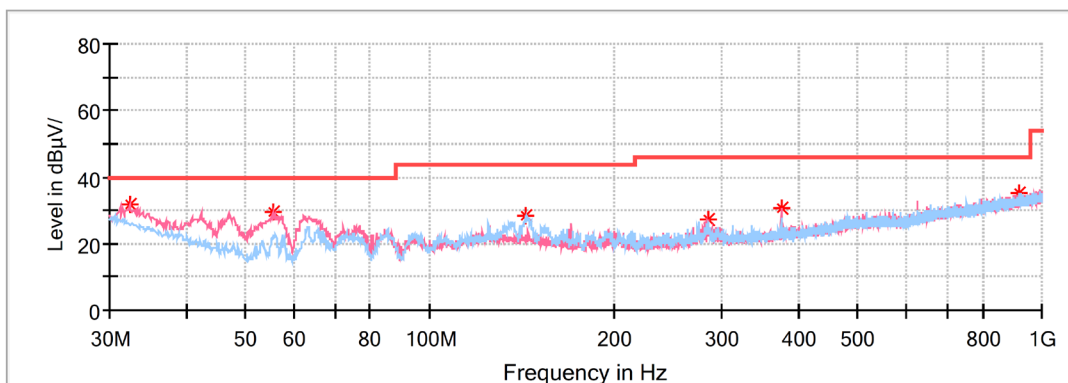
Project No:	RBJ260416001
EUT Model:	ZSL-1
Test Mode:	Transmitting in BLE-2M mode low channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:9k Hz, VBW:30 kHz, Sweep Time: Auto
Temperature:	23.2°C
Humidity:	56%
Barometric Pressure:	100.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/6/26

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.191044	52.15	101.89	49.75	Parallel	-12.4
0.877594	38.95	68.52	29.58	Parallel	-26.1
1.392506	39.17	64.61	25.44	Parallel	-28.4
4.433475	37.27	69.54	32.27	Parallel	-31.3
6.425962	29.88	69.54	39.66	Parallel	-31.6
13.966819	28.03	69.54	41.51	Parallel	-32.2

30MHz-1GHz (Transmitting in maximum output power BLE 2Mbps mode low channel):**Low Channel: 2402MHz****Common Information**

Project No: RBJ260416001
EUT Model: ZSL-1
Test Mode: Transmitting in BLE-2M mode low channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.2°C
Humidity: 56%
Barometric Pressure: 100.9kPa
Test Engineer: Scarf Yang
Check by: Jason Lu
Test Date: 2026/6/26

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
32.425000	31.70	40.00	8.30	V	-6.2
55.462500	29.48	40.00	10.52	V	-16.9
143.732500	28.62	43.50	14.88	H	-11.2
285.958750	27.23	46.00	18.77	V	-10.1
374.956250	30.69	46.00	15.31	V	-8.5
915.973750	35.04	46.00	10.96	H	1.7

6 dB EMISSION BANDWIDTH**Environmental Conditions & Test Information**

Test Date:	2026-06-01	2026-06-03
Temperature:	25.5°C	25.5°C
Relative Humidity:	47 %	44 %
ATM Pressure:	101.8 kPa	101.4 kPa
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.*EUT operation mode: Transmitting***Wi-Fi Mode:**

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	Chain 0	2412	9.160	≥ 0.5	Pass
		2437	9.160	≥ 0.5	Pass
		2462	9.160	≥ 0.5	Pass
	Chain 1	2412	9.160	≥ 0.5	Pass
		2437	9.120	≥ 0.5	Pass
		2462	9.160	≥ 0.5	Pass
802.11g	Chain 0	2412	16.080	≥ 0.5	Pass
		2437	16.080	≥ 0.5	Pass
		2462	16.080	≥ 0.5	Pass
	Chain 1	2412	16.040	≥ 0.5	Pass
		2437	16.200	≥ 0.5	Pass
		2462	16.160	≥ 0.5	Pass
802.11n20	Chain 0	2412	17.280	≥ 0.5	Pass
		2437	17.280	≥ 0.5	Pass
		2462	17.280	≥ 0.5	Pass
	Chain 1	2412	17.280	≥ 0.5	Pass
		2437	17.280	≥ 0.5	Pass
		2462	17.280	≥ 0.5	Pass
802.11n40	Chain 0	2422	36	≥ 0.5	Pass
		2437	35.360	≥ 0.5	Pass
		2452	36.240	≥ 0.5	Pass
	Chain 1	2422	36.240	≥ 0.5	Pass
		2437	35.280	≥ 0.5	Pass
		2452	36.080	≥ 0.5	Pass

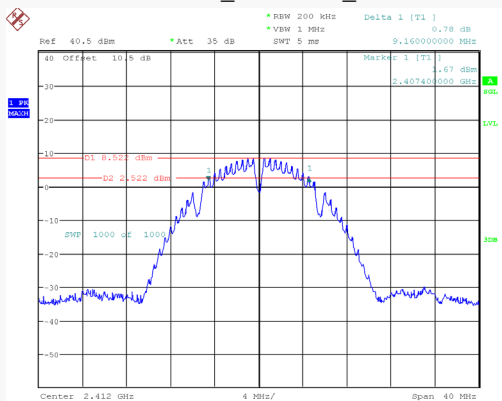
BLE Mode:

Mode	Channel	Result (MHz)	Limit (MHz)	Verdict
BLE (1 Mbps)	Low	0.712	≥ 0.5	Pass
	Middle	0.716	≥ 0.5	Pass
	High	0.732	≥ 0.5	Pass
BLE (2 Mbps)	Low	1.152	≥ 0.5	Pass
	Middle	1.152	≥ 0.5	Pass
	High	1.158	≥ 0.5	Pass

Wi-Fi Mode:

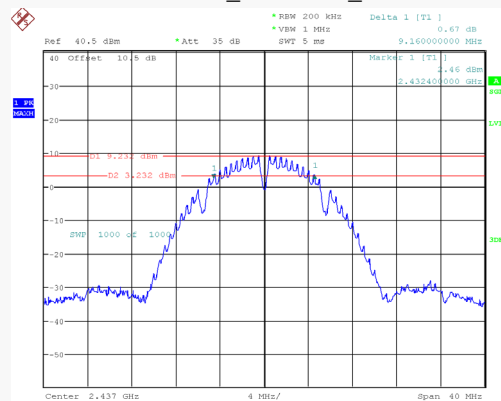
Chain 0

802.11b_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 10:40:08

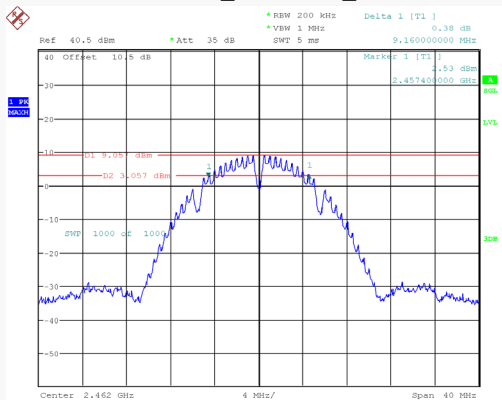
802.11b_2437MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 10:53:05

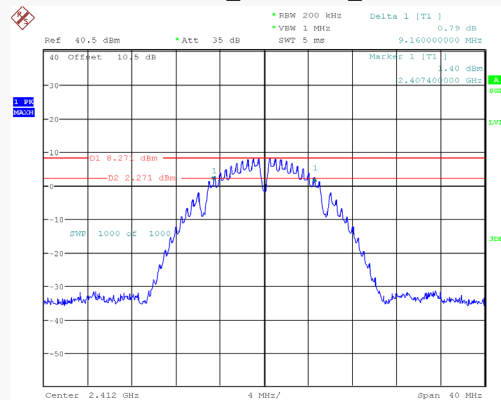
Chain 1

802.11b_2462MHz_Chain 0



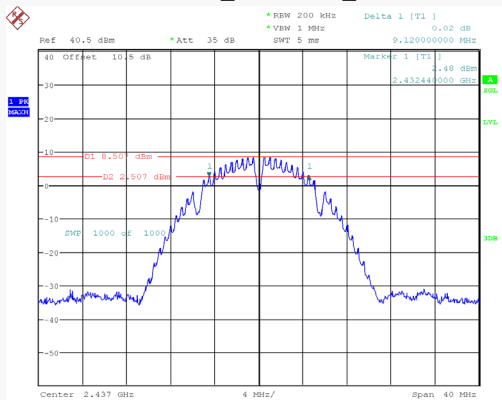
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:05:14

802.11b_2412MHz_Chain 1



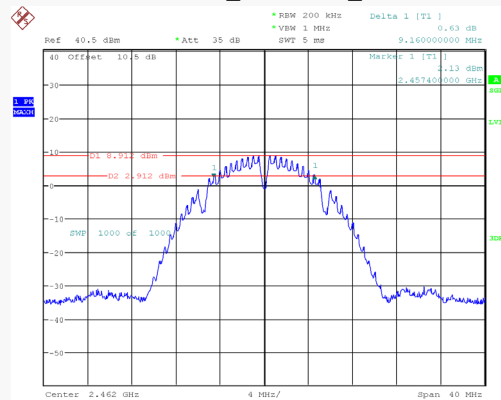
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 16:44:15

802.11b_2437MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:19:01

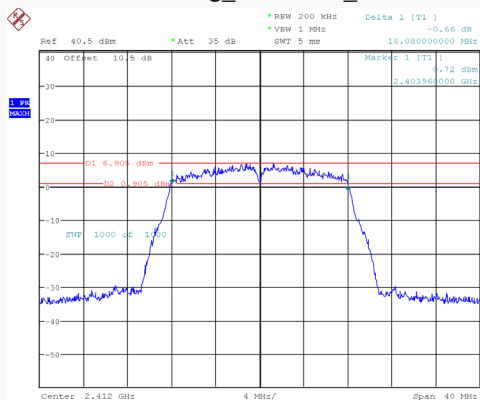
802.11b_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:31:17

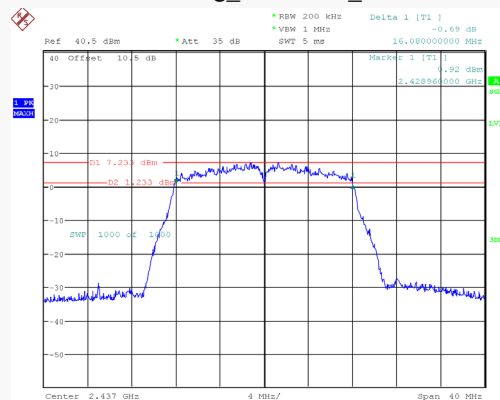
Chain 0

802.11g_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:19:15

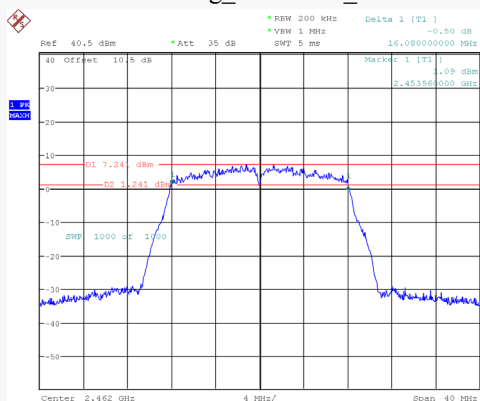
802.11g_2437MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:38:16

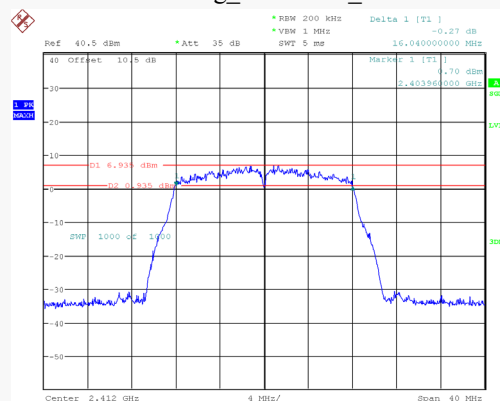
Chain 1

802.11g_2462MHz_Chain 0



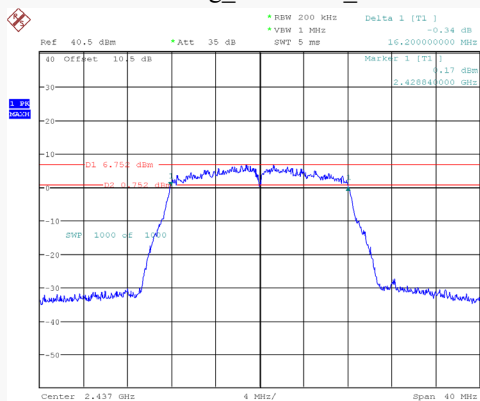
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 13:27:11

802.11g_2412MHz_Chain 1



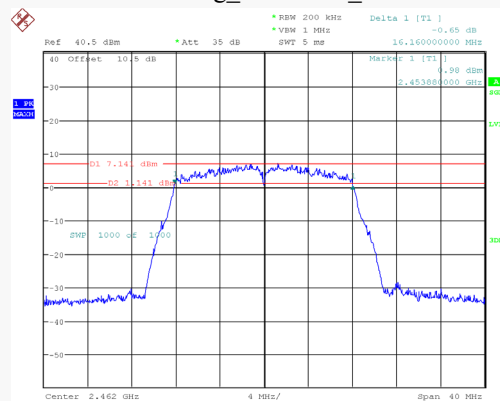
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:47:25

802.11g_2437MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:01:39

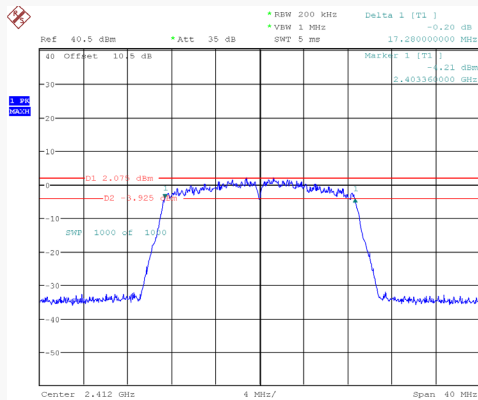
802.11g_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:22:47

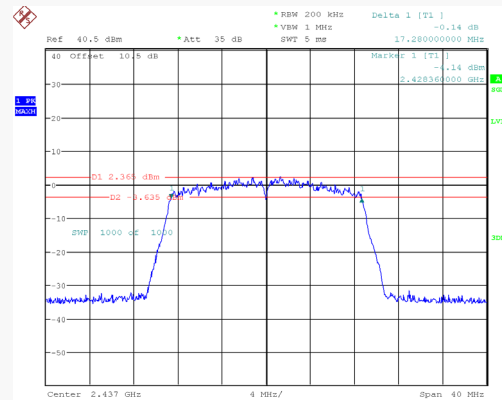
Chain 0

802.11n20_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 13:43:19

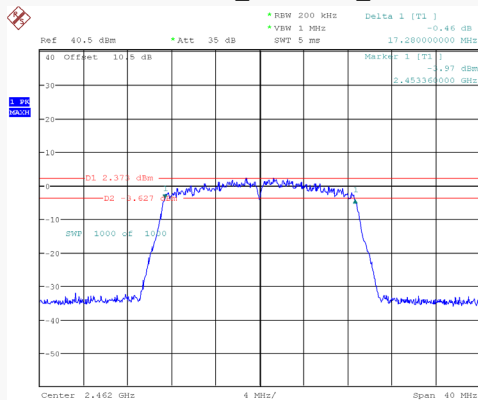
802.11n20_2437MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 13:58:16

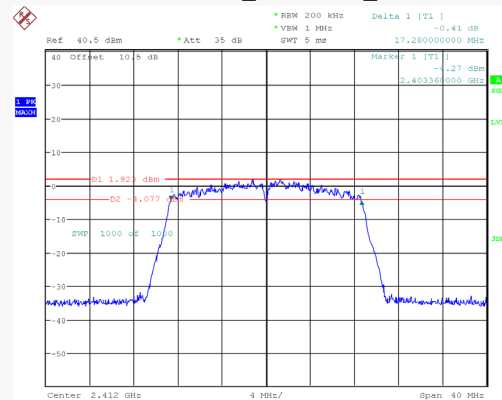
Chain 1

802.11n20_2462MHz_Chain 0



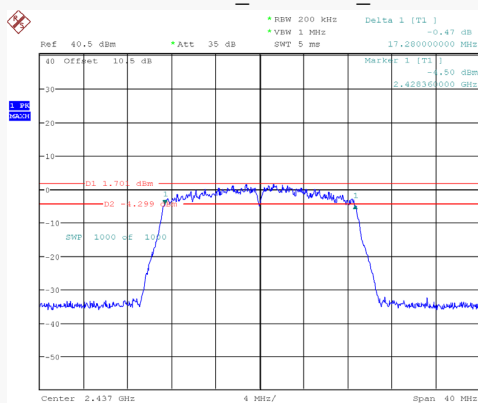
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 14:19:50

802.11n20_2412MHz_Chain 1



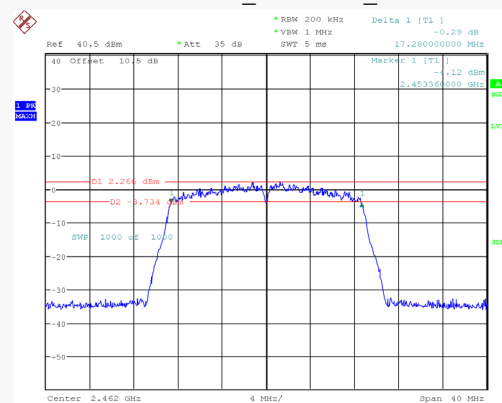
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:38:01

802.11n20_2437MHz_Chain 1



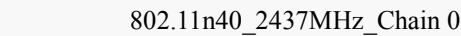
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:53:16

802.11n20_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 19:08:20

802.11n40_2422MHz_Chain 0

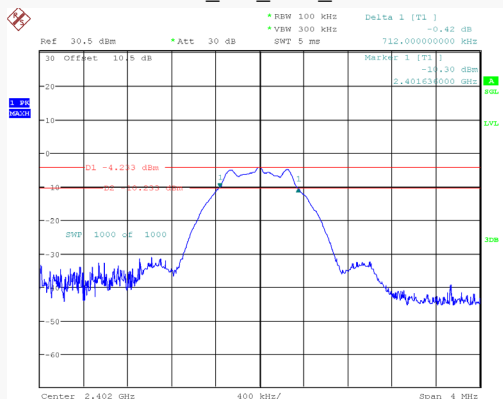


802.11n40_2452MHz_Chain 0



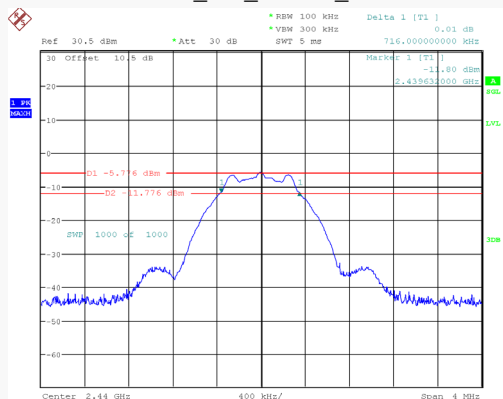
BLE Mode:
BLE 1M

BLE_1M_Low_Channel



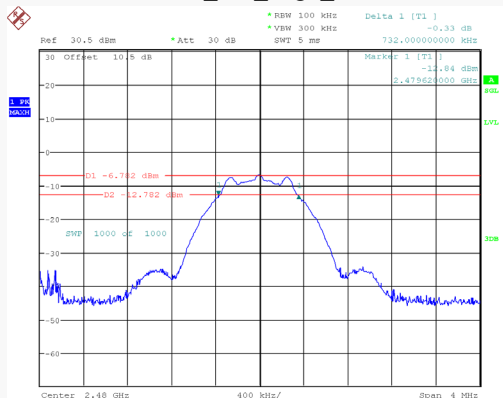
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:21:48

BLE_1M_Middle_Channel



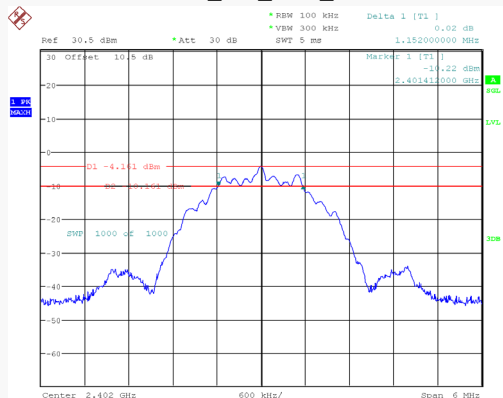
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:33:23

BLE_1M_High_Channel



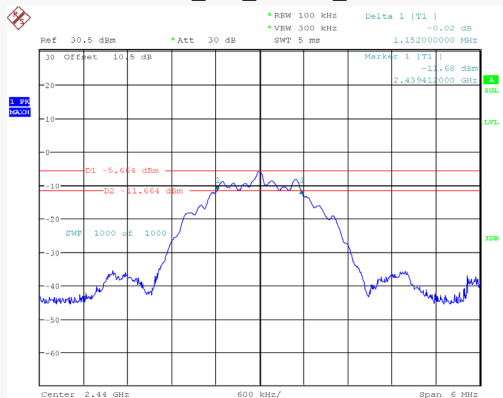
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:40:32

BLE_2M_Low_Channel



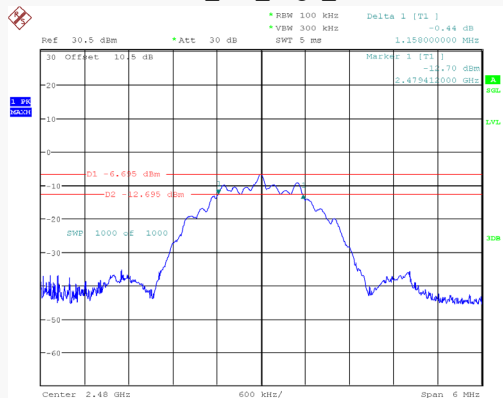
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:49:51

BLE_2M_Middle_Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:59:26

BLE_2M_High_Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 14:07:35

MAXIMUM CONDUCTED OUTPUT POWER**Environmental Conditions & Test Information**

Test Date:	2026-06-03
Temperature:	25.5°C
Relative Humidity:	44 %
ATM Pressure:	101.4 kPa
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

Wi-Fi Mode:

Channel	Frequency (MHz)	Conducted Peak Output Power(dBm)			Peak Output Power Limit (dBm)
		Chain 0	Chain 1	Total	
802.11b					
Low	2412	17.09	16.89	/	≤30
Middle	2437	17.87	17.34	/	≤30
High	2462	17.91	17.68	/	≤30
802.11g					
Low	2412	21.55	21.00	/	≤30
Middle	2437	21.90	20.61	/	≤30
High	2462	22.20	20.92	/	≤30
802.11n-HT20					
Low	2412	17.85	17.76	20.82	≤30
Middle	2437	18.37	17.52	20.98	≤30
High	2462	18.34	18.44	21.40	≤30
802.11n-HT40					
Low	2422	18.06	18.23	21.16	≤30
Middle	2437	18.44	18.23	21.35	≤30
High	2452	18.74	18.35	21.56	≤30

Note:

The maximum antenna gain is 3.98 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 NANT ≤ 4;

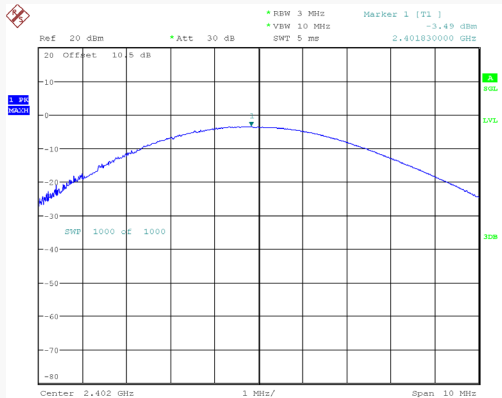
So: Directional gain = GANT + Array Gain = 3.98 dBi < 6dBi, no RF outpower limit was reduced.

BLE Mode:

Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	-3.49	≤30	Pass
	Middle	2440	-5.09	≤30	Pass
	High	2480	-6.18	≤30	Pass
BLE (2 Mbps)	Low	2402	-3.54	≤30	Pass
	Middle	2440	-5.12	≤30	Pass
	High	2480	-6.03	≤30	Pass

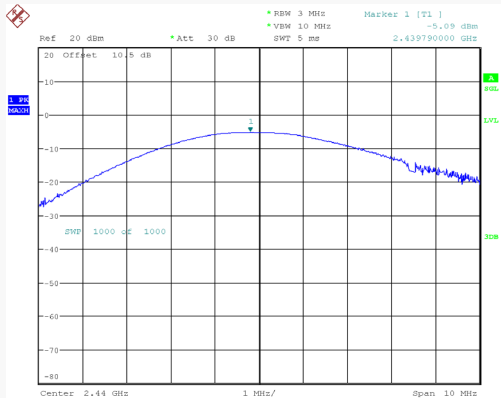
BLE (1 Mbps)

Low Channel



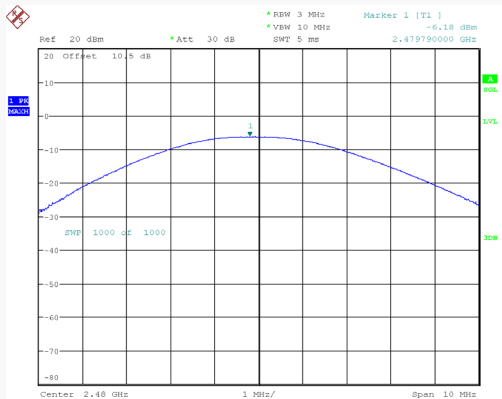
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:22:45

Middle Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:34:04

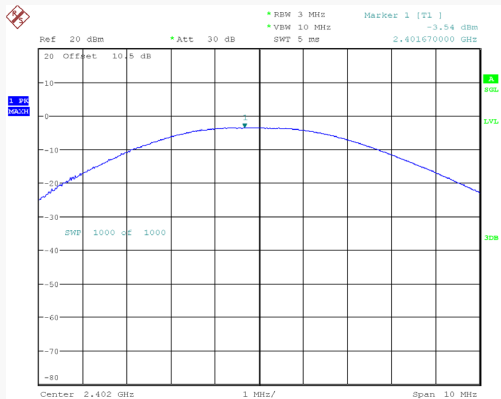
High Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:41:13

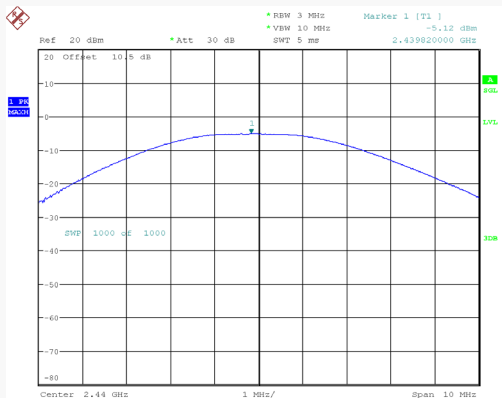
BLE (2 Mbps)

Low Channel



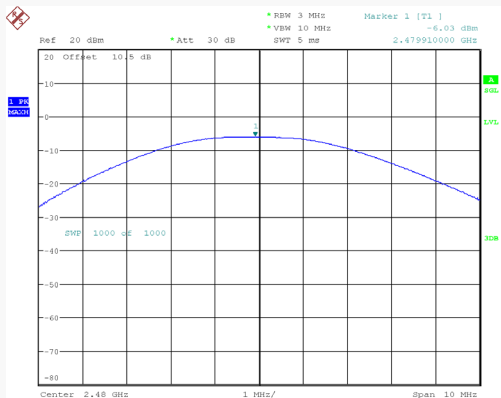
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:50:59

Middle Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 14:00:12

High Channel



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 14:10:09

100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE**Environmental Conditions & Test Information**

Test Date:	2026-06-01	2026-06-03
Temperature:	25.5℃	25.5℃
Relative Humidity:	47 %	44 %
ATM Pressure:	101.8 kPa	101.4 kPa
Test Engineer:	Neil Zhou	Neil Zhou

*EUT operation mode: Transmitting***Test Result:** Compliant**Wi-Fi Mode:**

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	42.72	20	Pass
		2462	50.09	20	Pass
	Chain 1	2412	44.71	20	Pass
		2462	49.15	20	Pass
802.11g	Chain 0	2412	40.97	20	Pass
		2462	47.26	20	Pass
	Chain 1	2412	42.96	20	Pass
		2462	47.03	20	Pass
802.11n20	Chain 0	2412	40.00	20	Pass
		2462	43.11	20	Pass
	Chain 1	2412	42.00	20	Pass
		2462	43.01	20	Pass
802.11n40	Chain 0	2422	35.67	20	Pass
		2452	36.88	20	Pass
	Chain 1	2422	35.44	20	Pass
		2452	36.08	20	Pass

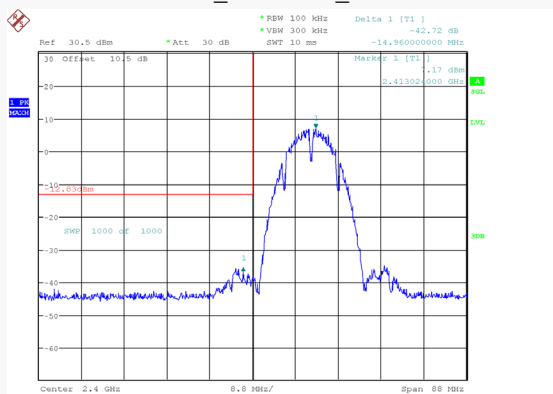
BLE Mode:

Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
BLE (1 Mbps)	Low	2402	40.24	20
	High	2480	37.57	
BLE (2 Mbps)	Low	2402	31.43	20
	High	2480	37.19	

Wi-Fi Mode:

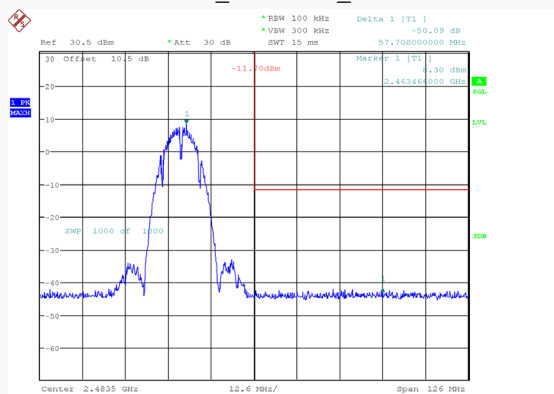
Chain 0

802.11b_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 10:42:30

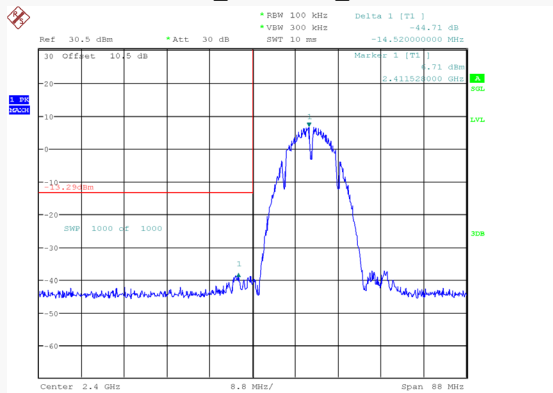
802.11b_2462MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:06:19

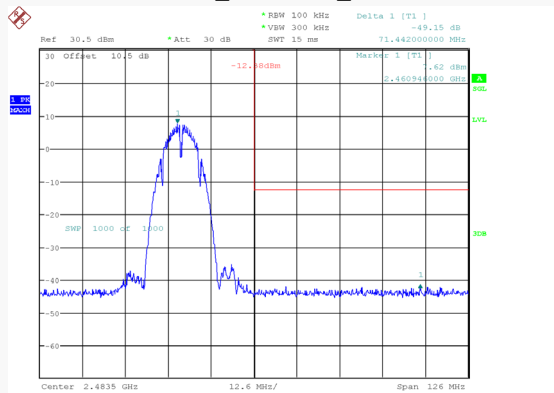
Chain 1

802.11b_2412MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 16:45:21

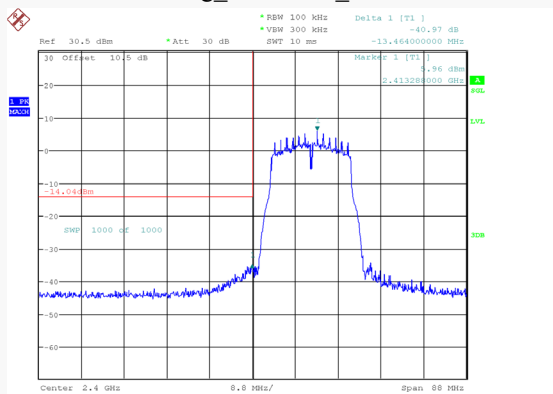
802.11b_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:32:22

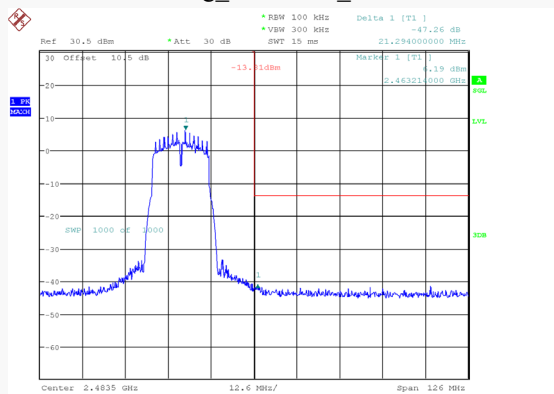
Chain 0

802.11g_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:20:19

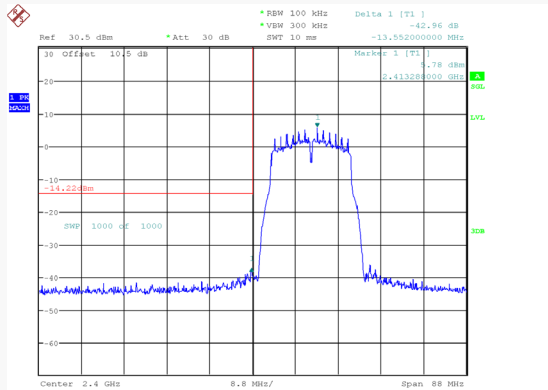
802.11g_2462MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 13:28:17

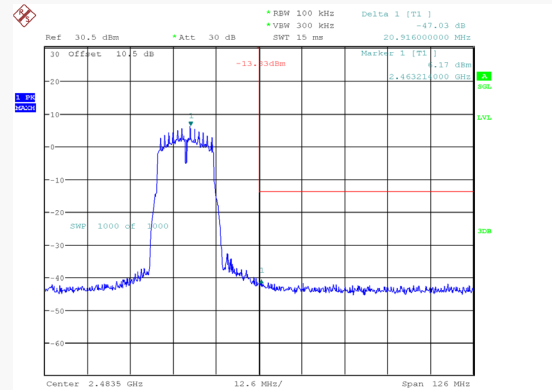
Chain 1

802.11g_2412MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:48:30

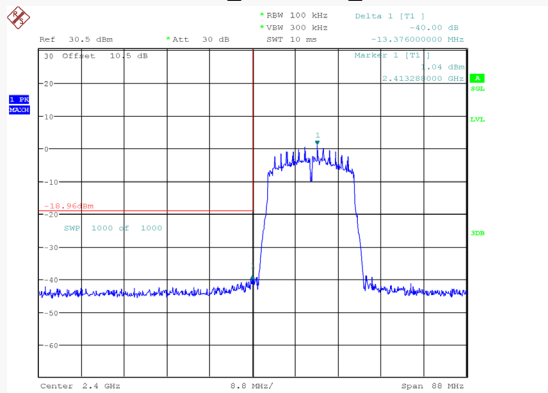
802.11g_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:23:53

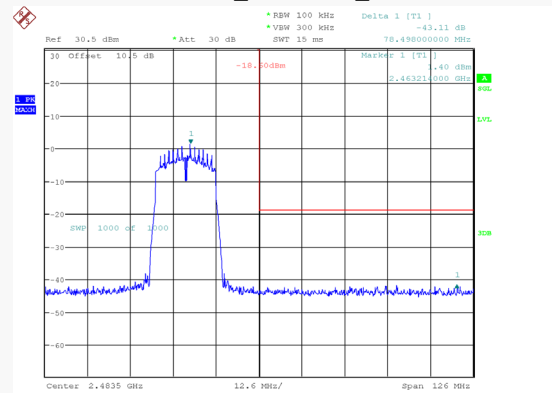
Chain 0

802.11n20_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 13:44:44

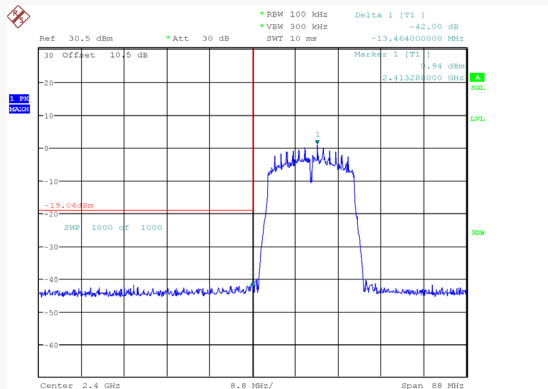
802.11n20_2462MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 14:20:56

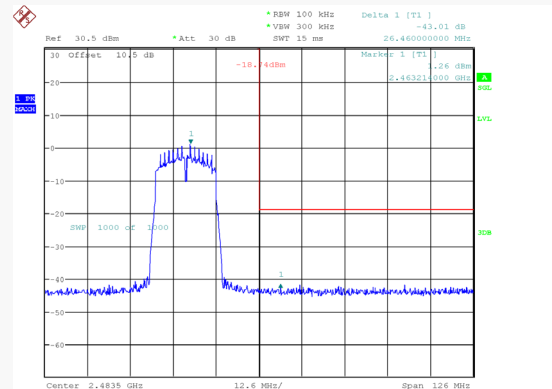
Chain 1

802.11n20_2412MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 18:39:05

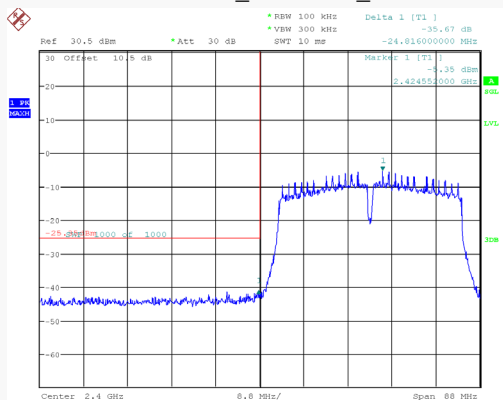
802.11n20_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 19:09:26

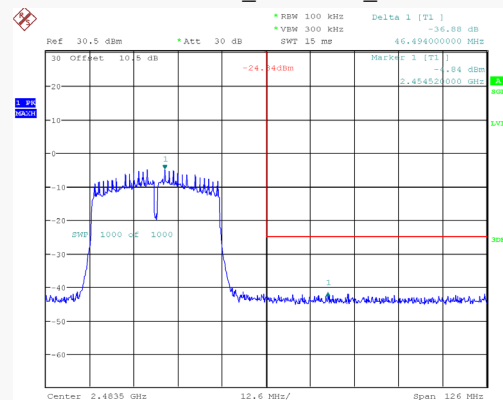
Chain 0

802.11n40_2422MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 14:36:50

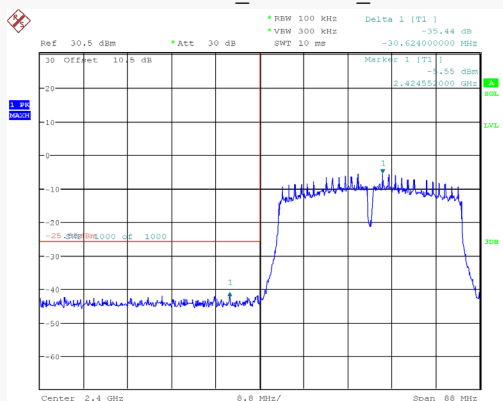
802.11n40_2452MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 15:25:56

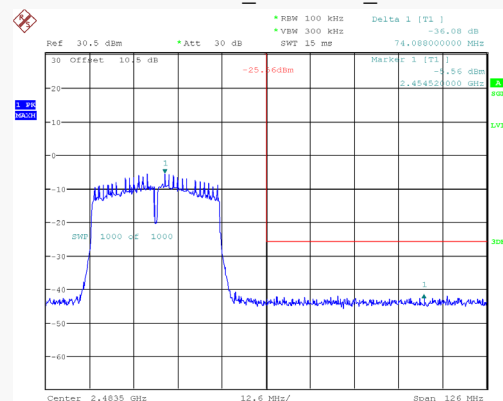
Chain 1

802.11n40_2422MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 19:24:43

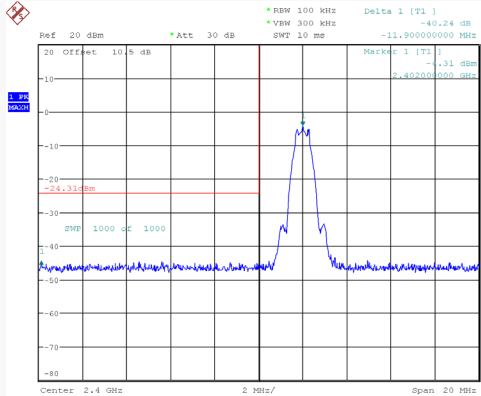
802.11n40_2452MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 2.JUN.2026 09:37:34

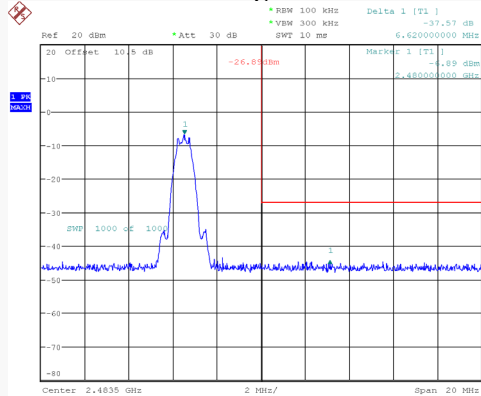
**BLE Mode:
BLE (1 Mbps)**

Left Side



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:26:48

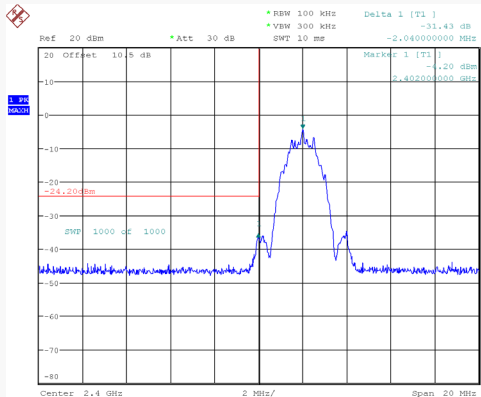
Right Side



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:43:25

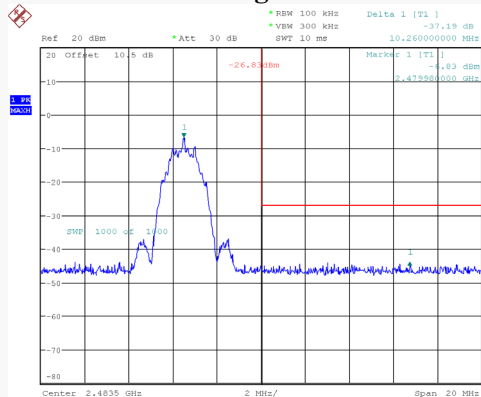
BLE (2 Mbps)

Left Side



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 13:53:02

Right Side



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 3.JUN.2026 14:12:26

CONDUCTED SPURIOUS EMISSION**Environmental Conditions & Test Information**

Test Date:	2026-06-01	2026-06-02	2026-06-03
Temperature:	25.5°C	24.5°C	25.5°C
Relative Humidity:	47 %	49 %	44 %
ATM Pressure:	101.8 kPa	101.9 kPa	101.4 kPa
Test Engineer:	Neil Zhou	Neil Zhou	Neil Zhou

Wi-Fi Mode:

Mode	Antenna	Test Frequency (MHz)	Result (dB)	Limit (dB)	Verdict
802.11b	Chain 0	2412	47.13	20	Pass
		2437	47.29	20	Pass
		2462	44.66	20	Pass
	Chain 1	2412	46.57	20	Pass
		2437	46.63	20	Pass
		2462	47.44	20	Pass
802.11g	Chain 0	2412	44.47	20	Pass
		2437	46.37	20	Pass
		2462	45.66	20	Pass
	Chain 1	2412	45.22	20	Pass
		2437	45.18	20	Pass
		2462	45.45	20	Pass
802.11n20	Chain 0	2412	41.15	20	Pass
		2437	38.91	20	Pass
		2462	40.97	20	Pass
	Chain 1	2412	40.60	20	Pass
		2437	39.56	20	Pass
		2462	39.65	20	Pass
802.11n40	Chain 0	2422	34.32	20	Pass
		2437	35.61	20	Pass
		2452	35.04	20	Pass
	Chain 1	2422	34.04	20	Pass
		2437	35.11	20	Pass
		2452	34.28	20	Pass

BLE Mode:

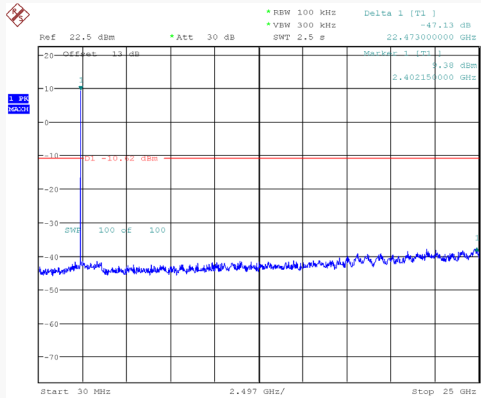
Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
BLE (1 Mbps)	Low	2402	32.51	20
	Middle	2440	29.21	20
	High	2480	26.02	20
BLE (2 Mbps)	Low	2402	29.10	20
	Middle	2440	35.28	20
	High	2480	31.17	20

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

Wi-Fi Mode:

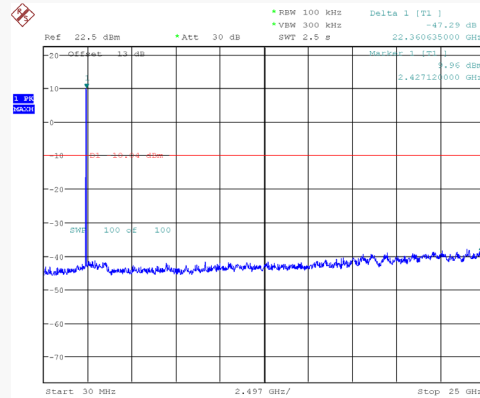
Chain 0

802.11b_2412MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 10:47:06

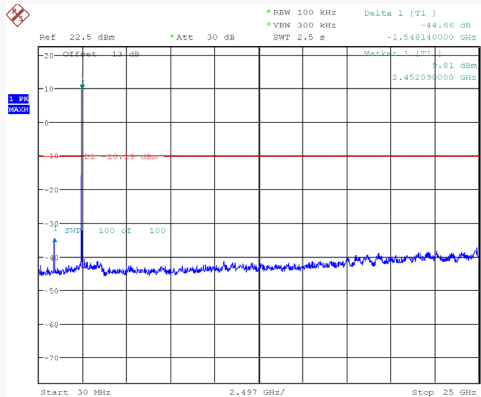
802.11b_2437MHz_Chain 0



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 10:57:54

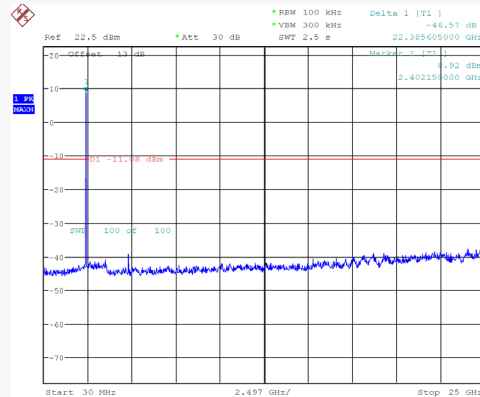
Chain 1

802.11b_2462MHz_Chain 0



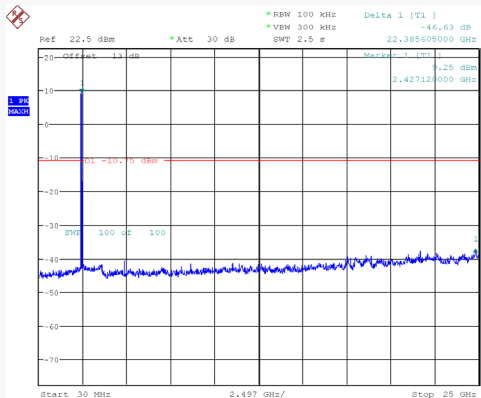
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 11:10:56

802.11b_2412MHz_Chain 1



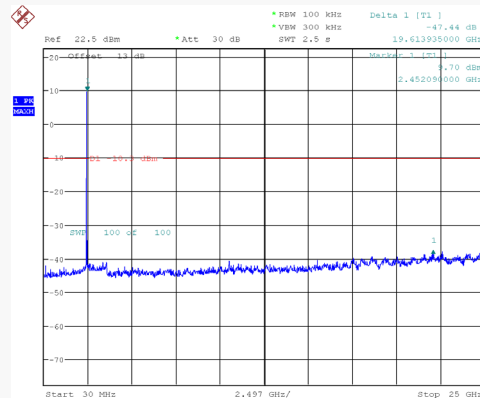
ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 16:55:07

802.11b_2437MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:23:52

802.11b_2462MHz_Chain 1



ProjectNo.:RBJ260416001 Tester:Neil Zhou
Date: 1.JUN.2026 17:36:59