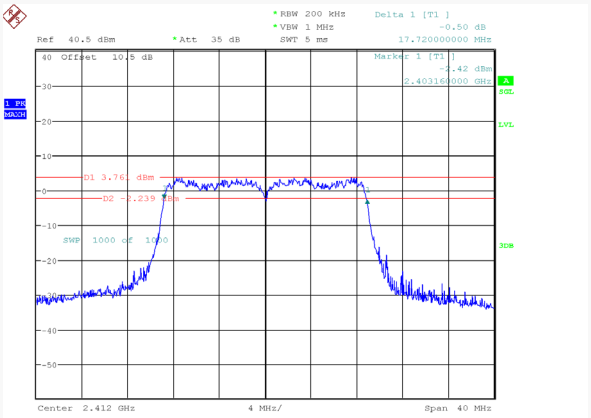
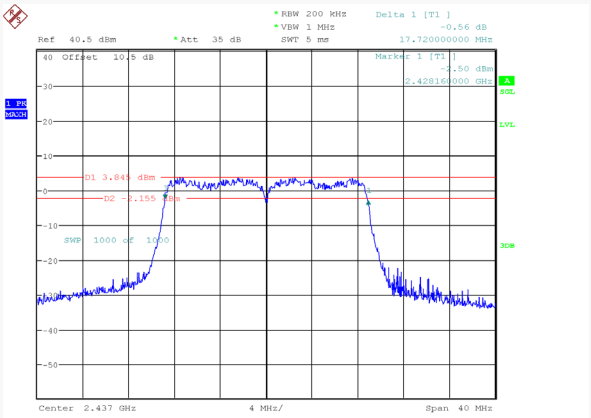
802.11n20_2412MHz



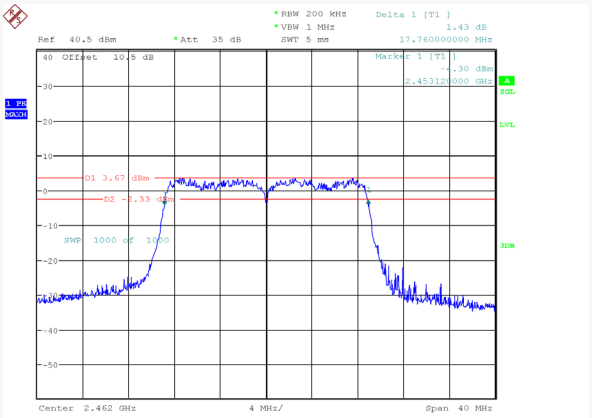
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:55:19

802.11n20_2437MHz



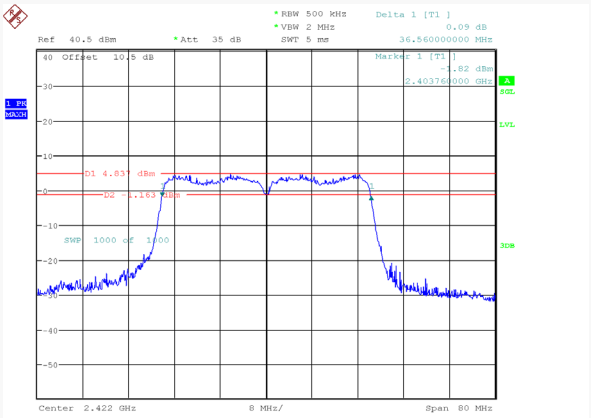
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:10:06

802.11n20_2462MHz



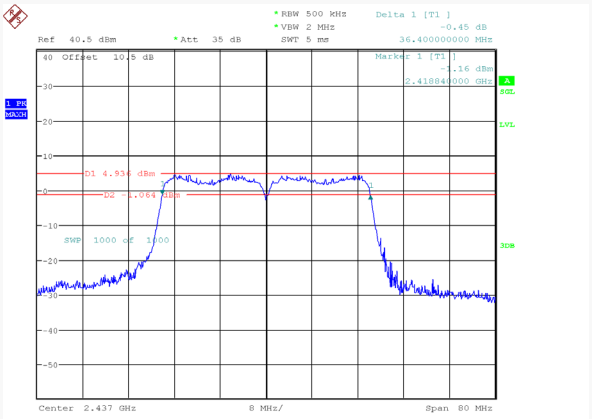
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:24:37

802.11n40_2422MHz



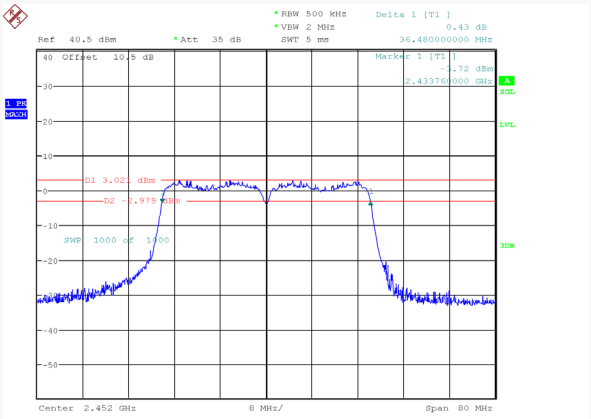
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:39:27

802.11n40_2437MHz



ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 00:09:09

802.11n40_2452MHz

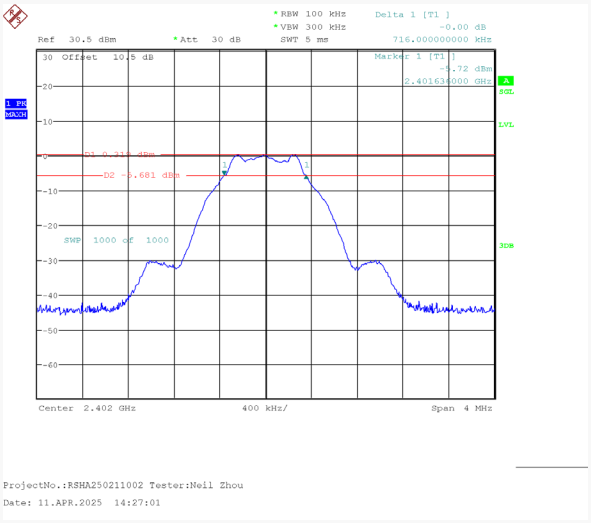


ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 09:43:17

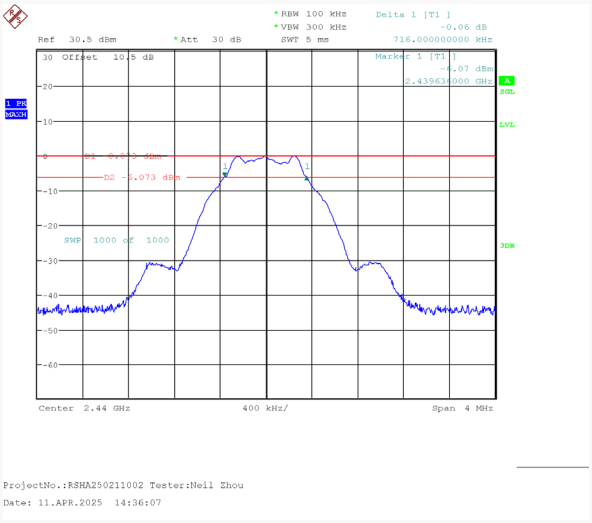
For BLE 1Mpbs Mode:

Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
Low	2402	0.716	≥0.5
Middle	2440	0.716	≥0.5
High	2480	0.724	≥0.5

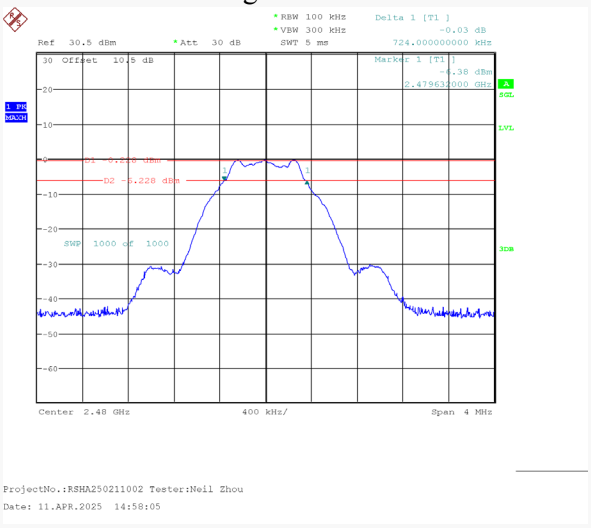
Low Channel



Middle Channel



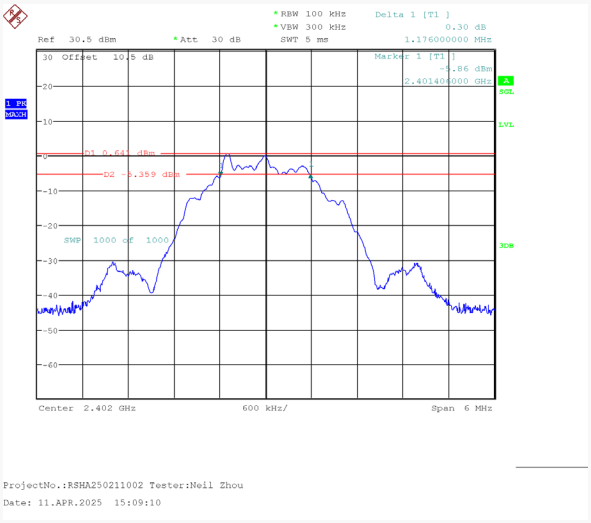
High Channel



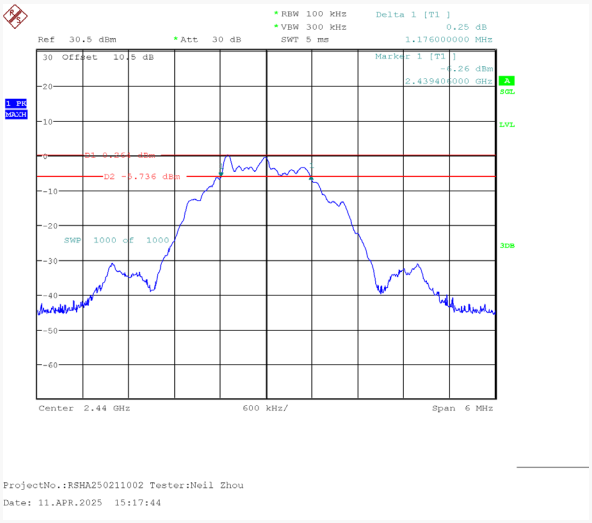
For BLE 2Mpbs Mode:

Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
Low	2402	1.176	≥0.5
Middle	2440	1.176	≥0.5
High	2480	1.164	≥0.5

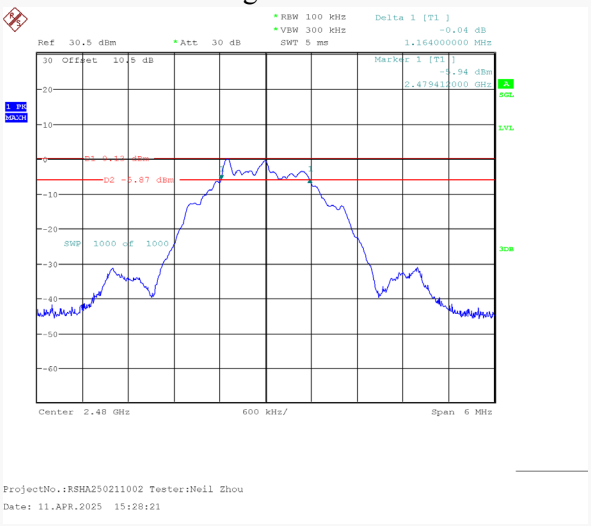
Low Channel



Middle Channel



High Channel



OCCUPIED BANDWIDTH

Environmental Conditions & Test Information

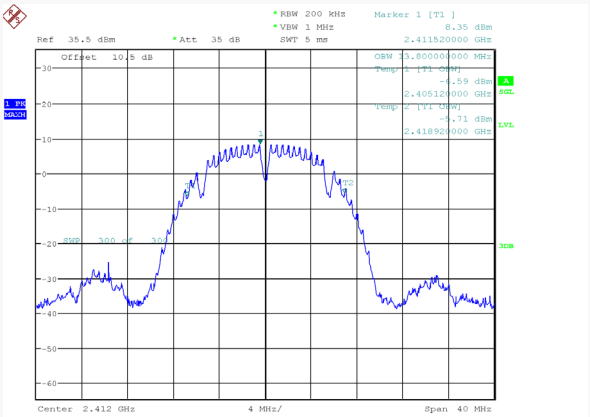
Test Date:	2025-04-10 to 2025-04-11
Temperature:	20.3-21.5 ℃
Relative Humidity:	47-49 %
ATM Pressure:	100.7-100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

For Wi-Fi Mode:

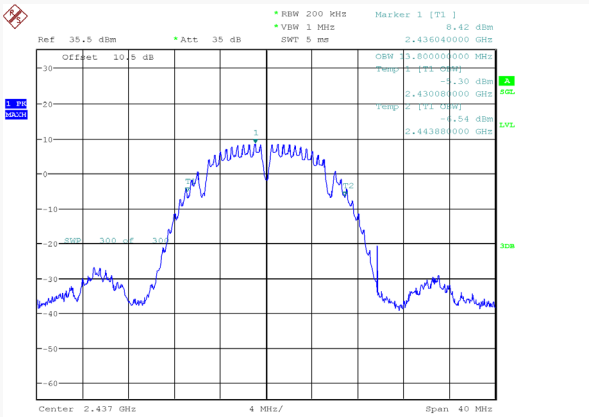
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11b Mode		
Low	2412	13.80
Middle	2437	13.80
High	2462	13.80
802.11g Mode		
Low	2412	16.72
Middle	2437	16.72
High	2462	16.72
802.11n-HT20 mode		
Low	2412	17.64
Middle	2437	17.68
High	2462	17.72
802.11n-HT40 mode		
Low	2422	36.40
Middle	2437	36.48
High	2452	36.40

802.11b_2412MHz



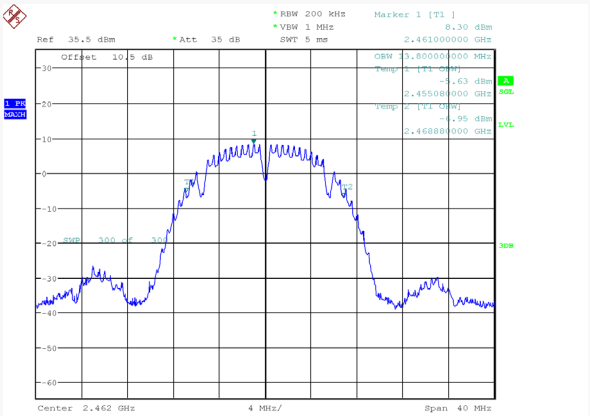
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 17:47:32

802.11b_2437MHz



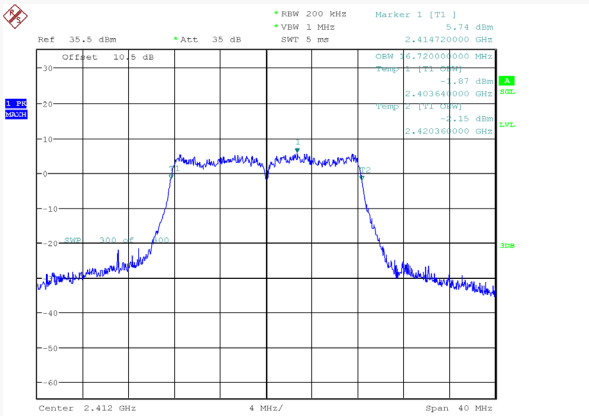
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 20:47:34

802.11b_2462MHz



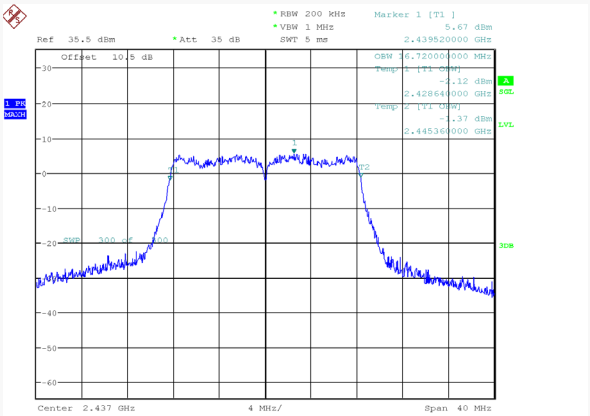
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 21:00:39

802.11g_2412MHz



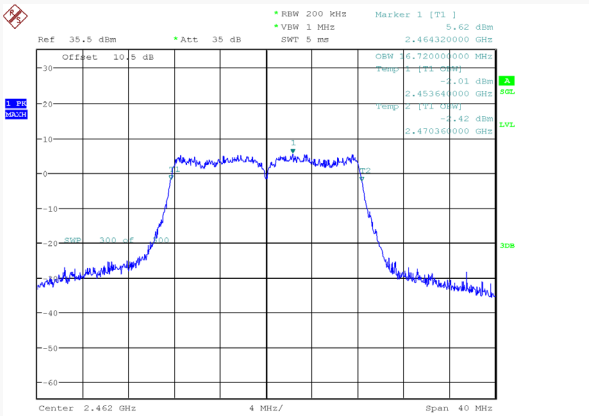
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:04:33

802.11g_2437MHz



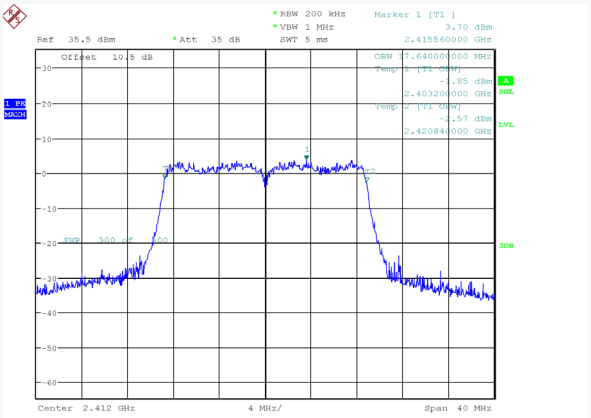
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:20:44

802.11g_2462MHz



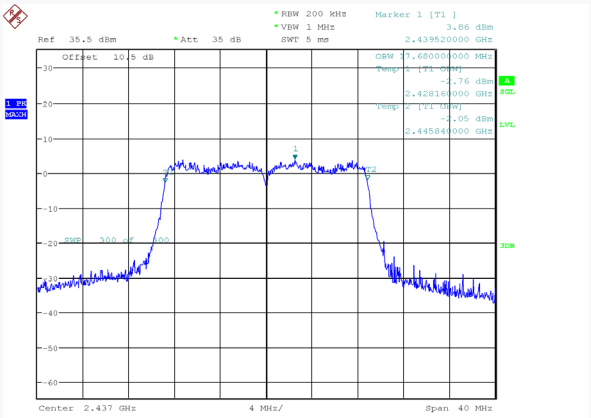
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:38:29

802.11n20_2412MHz



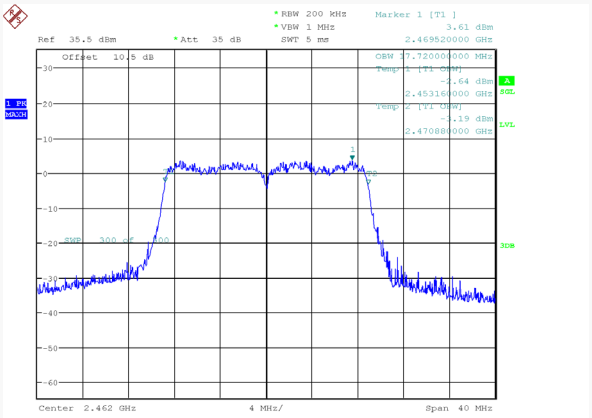
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:54:17

802.11n20_2437MHz



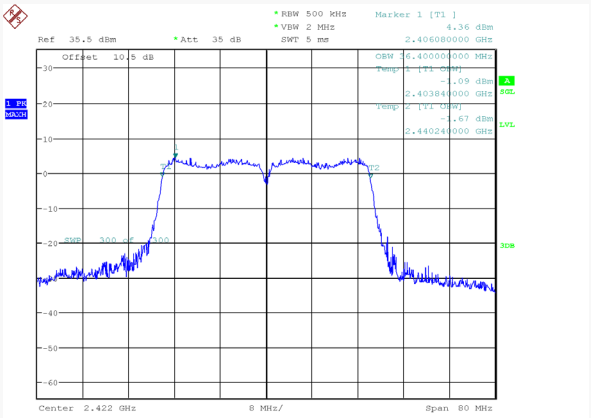
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:09:11

802.11n20_2462MHz



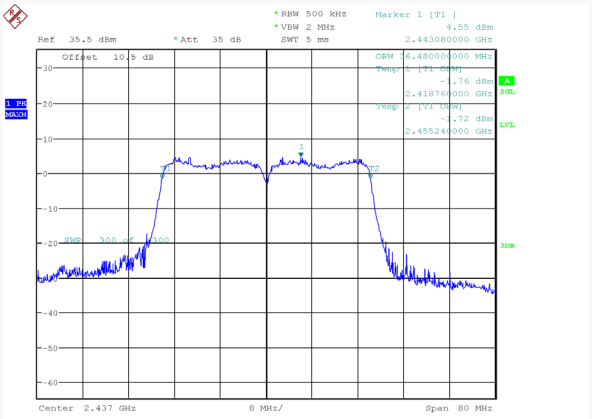
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:23:10

802.11n40_2422MHz



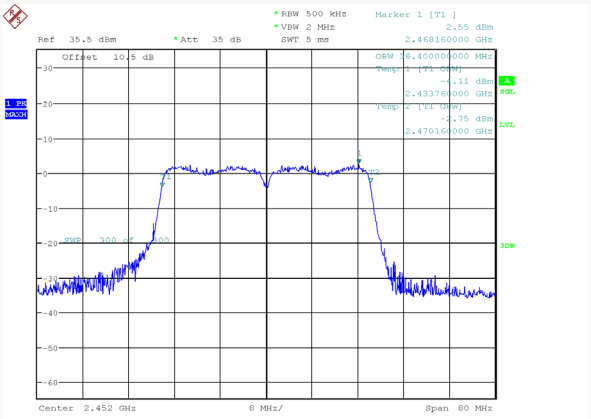
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:38:43

802.11n40_2437MHz



ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 00:08:25

802.11n40_2452MHz

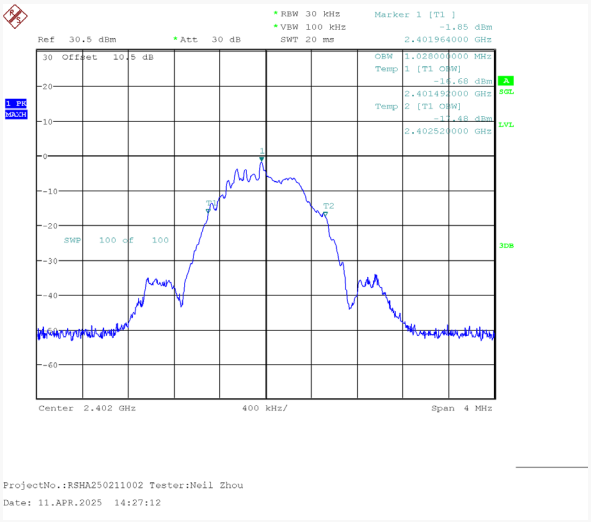


ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 09:42:41

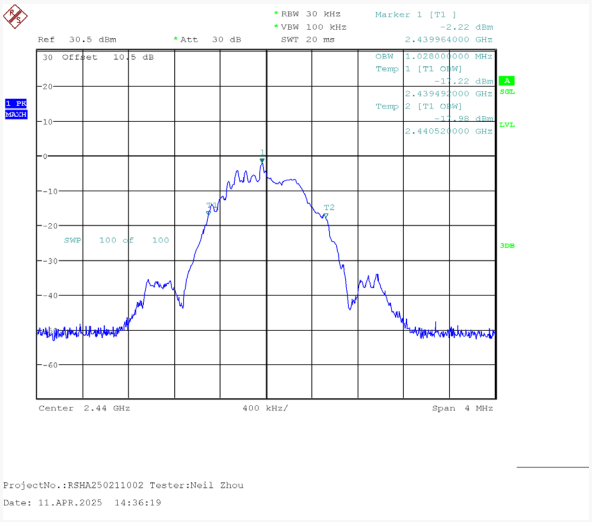
For BLE 1Mpbs Mode:

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2402	1.028
Middle	2440	1.028
High	2480	1.028

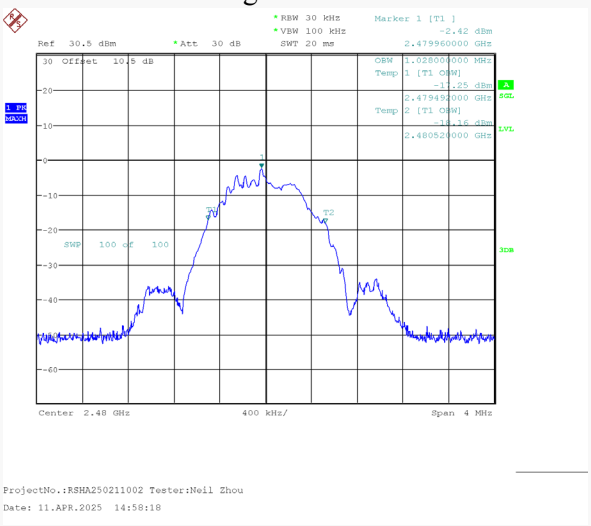
Low Channel



Middle Channel



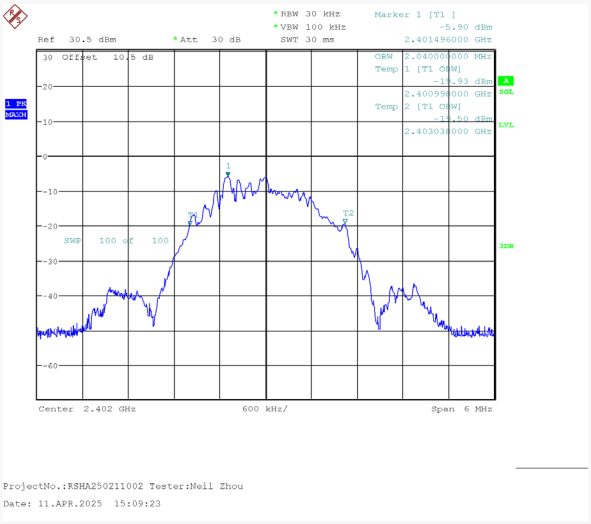
High Channel



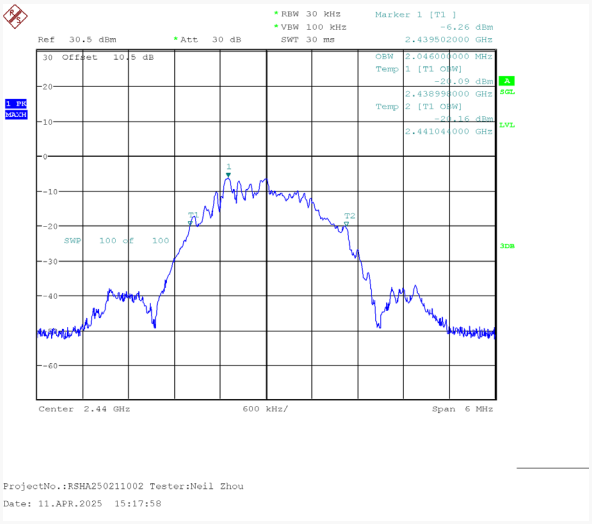
For BLE 2Mpbs Mode:

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
Low	2402	2.04
Middle	2440	2.046
High	2480	2.04

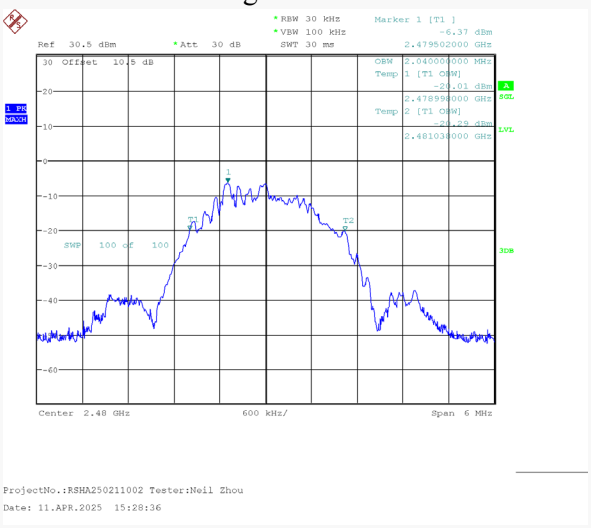
Low Channel



Middle Channel



High Channel



POWER SPECTRAL DENSITY

Environmental Conditions & Test Information

Test Date:	2025-04-10 to 2025-04-11
Temperature:	20.3-21.5 ℃
Relative Humidity:	47-49 %
ATM Pressure:	100.7-100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

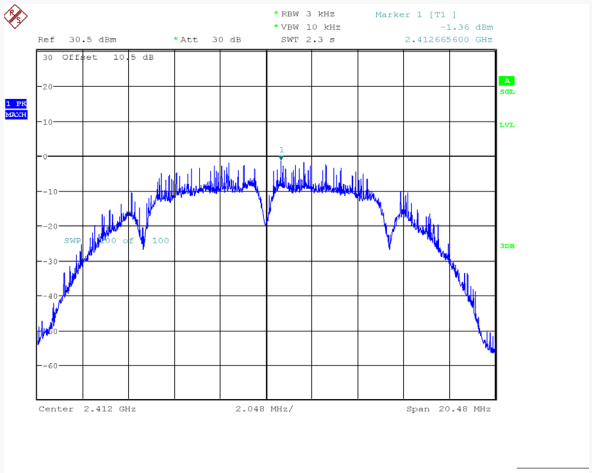
Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

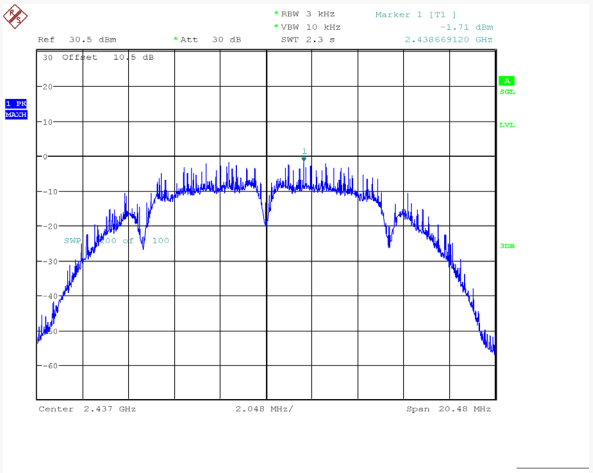
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
802.11b Mode			
Low	2412	-1.36	≤8
Middle	2437	-1.71	≤8
High	2462	-1.46	≤8
802.11g Mode			
Low	2412	-10.01	≤8
Middle	2437	-9.66	≤8
High	2462	-10.24	≤8
802.11n-HT20 mode			
Low	2412	-10.61	≤8
Middle	2437	-10.59	≤8
High	2462	-11.04	≤8
802.11n-HT40 mode			
Low	2422	-13.69	≤8
Middle	2437	-14.23	≤8
High	2452	-15.73	≤8

802.11b_2412MHz



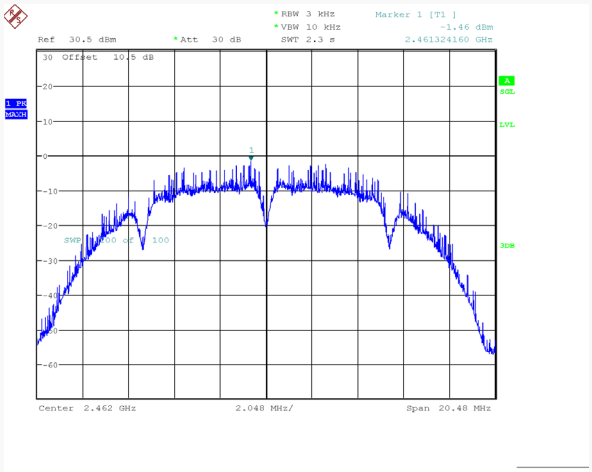
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 17:58:04

802.11b_2437MHz



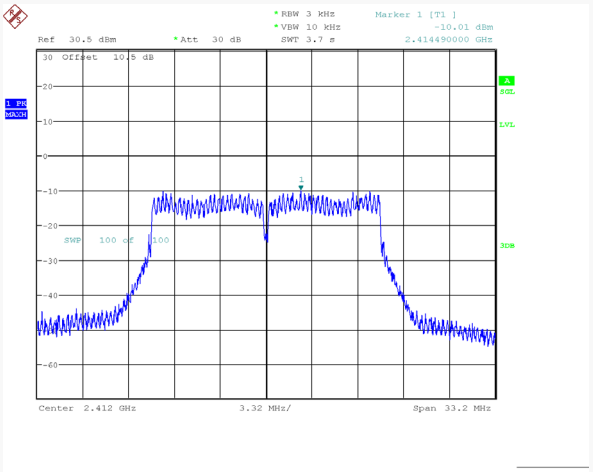
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 20:57:03

802.11b_2462MHz



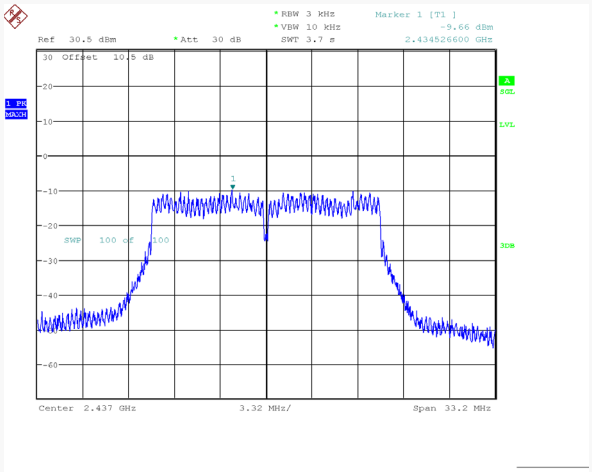
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 21:11:35

802.11g_2412MHz



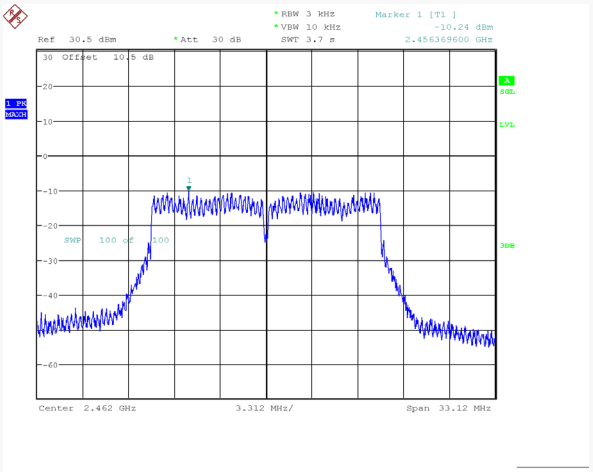
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:17:20

802.11g_2437MHz



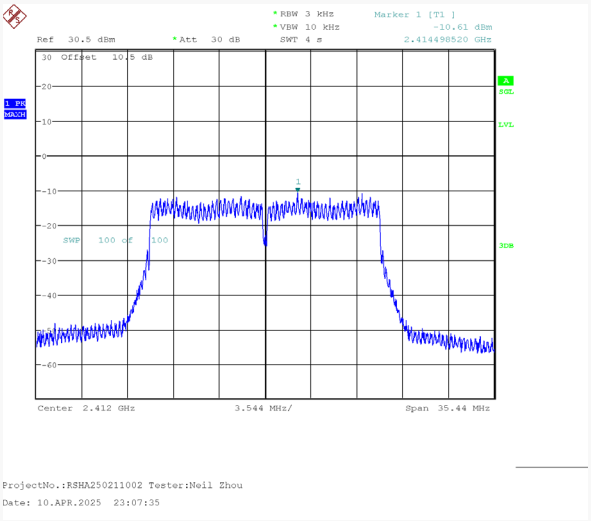
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:32:46

802.11g_2462MHz



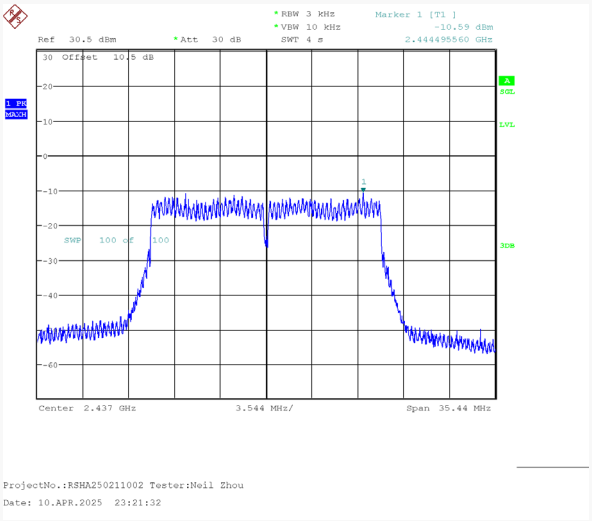
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 22:51:42

802.11n20_2412MHz



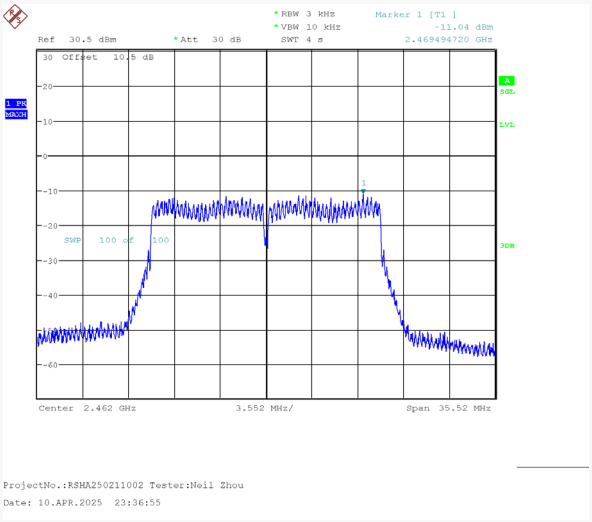
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:07:35

802.11n20_2437MHz



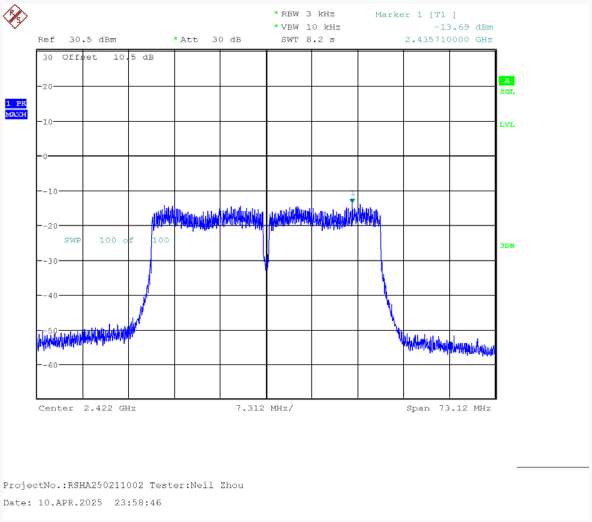
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:21:32

802.11n20_2462MHz



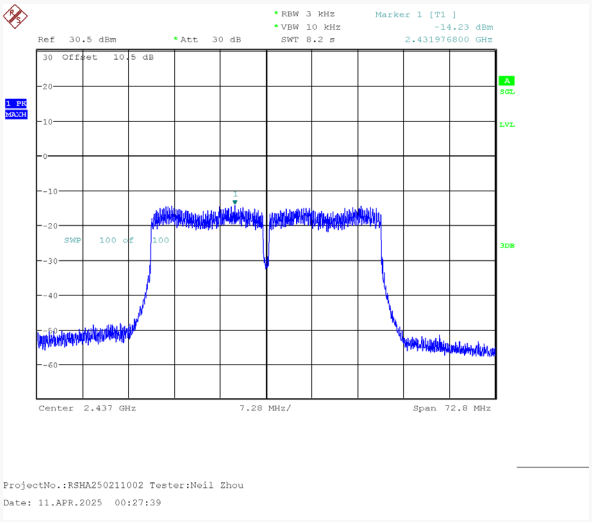
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:36:55

802.11n40_2422MHz



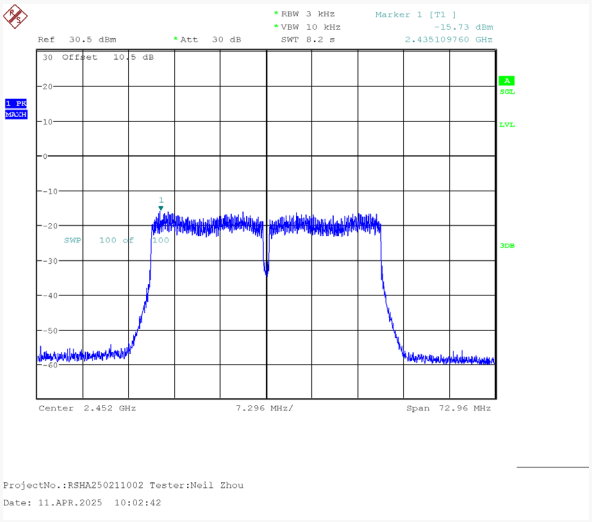
ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 10.APR.2025 23:58:46

802.11n40_2437MHz



ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 00:27:39

802.11n40_2452MHz

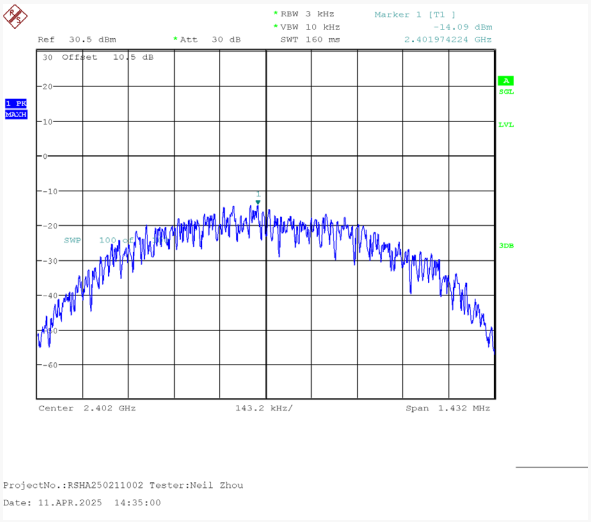


ProjectNo.:RSHA250211002 Tester:Neil Zhou
Date: 11.APR.2025 10:02:42

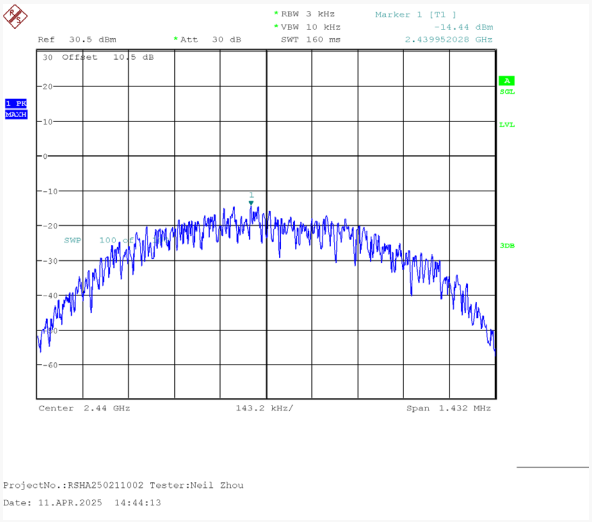
For BLE 1Mpbs Mode:

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
Low	2402	-14.09	≤8
Middle	2440	-14.44	≤8
High	2480	-14.49	≤8

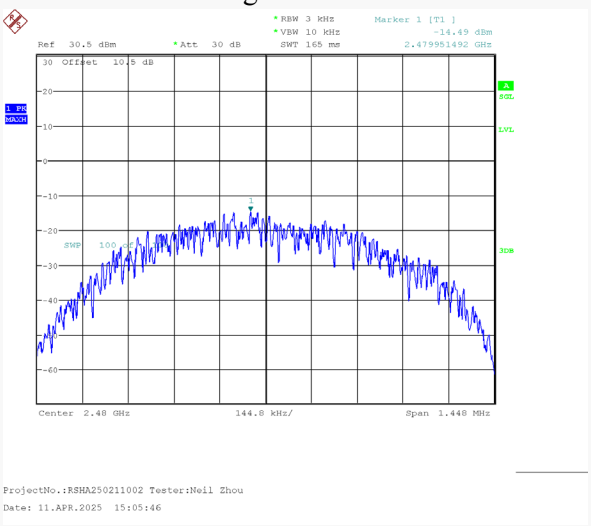
Low Channel



Middle Channel



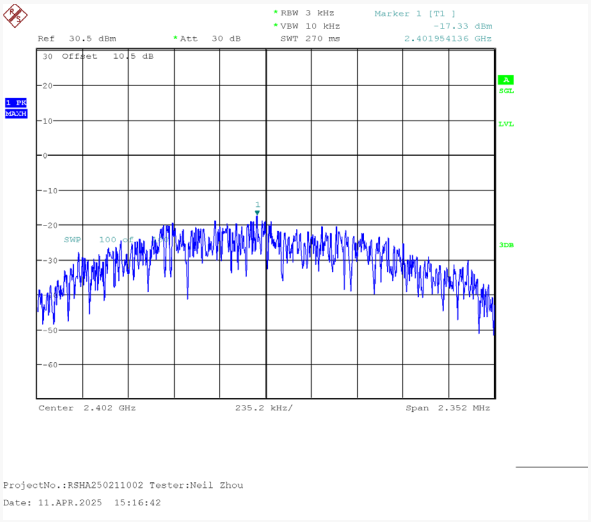
High Channel



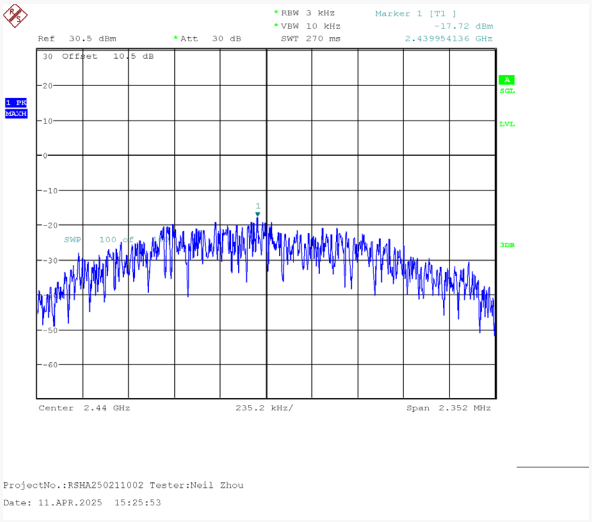
For BLE 2Mpbs Mode:

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
Low	2402	-17.33	≤8
Middle	2440	-17.72	≤8
High	2480	-17.84	≤8

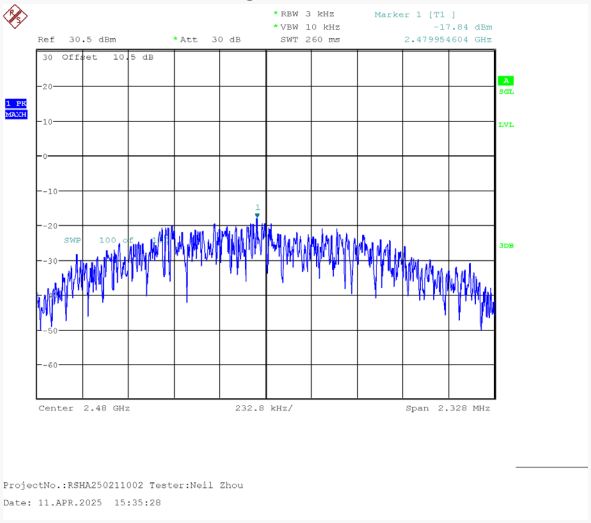
Low Channel



Middle Channel



High Channel



TRANSMITTER OUTPUT POWER MEASUREMENT

Environmental Conditions & Test Information

Test Date:	2025-04-11
Temperature:	21.5 ℃
Relative Humidity:	49 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

For Wi-Fi Mode:

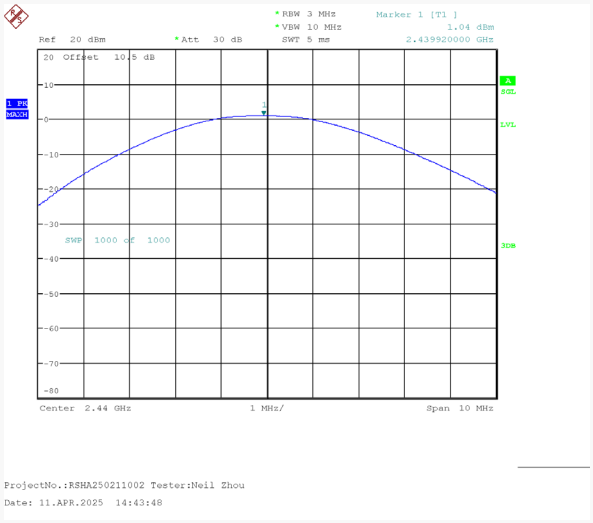
Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)
802.11b Mode			
Low	2412	14.68	≤30
Middle	2437	14.97	≤30
High	2462	15.05	≤30
802.11g Mode			
Low	2412	19.88	≤30
Middle	2437	20.13	≤30
High	2462	20.07	≤30
802.11n-HT20 Mode			
Low	2412	18.08	≤30
Middle	2437	18.25	≤30
High	2462	18.28	≤30
802.11n-HT40 Mode			
Low	2422	20.03	≤30
Middle	2437	20.12	≤30
High	2452	20.17	≤30

For BLE 1Mpbs Mode:

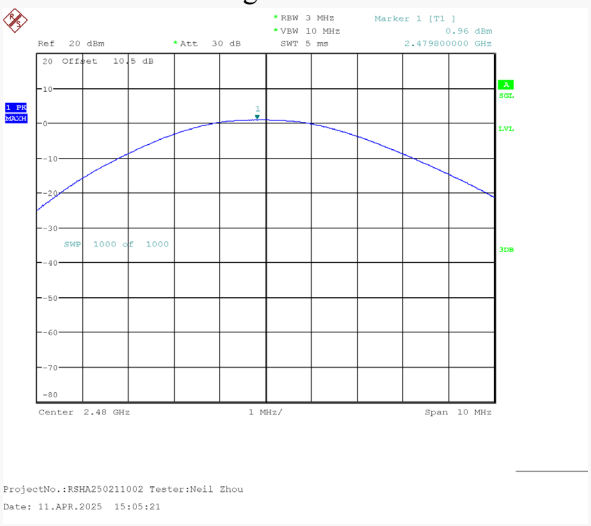
Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
Low	2402	1.41	≤30
Middle	2440	1.04	≤30
High	2480	0.96	≤30

Low Channel

Middle Channel



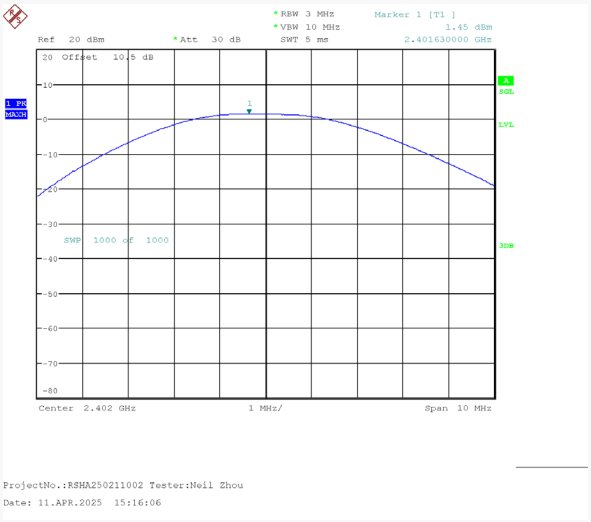
High Channel



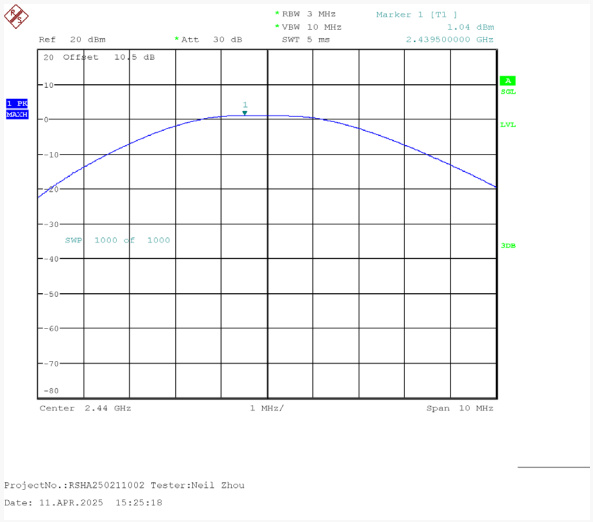
For BLE 2Mpbs Mode:

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
Low	2402	1.45	≤30
Middle	2440	1.04	≤30
High	2480	1.01	≤30

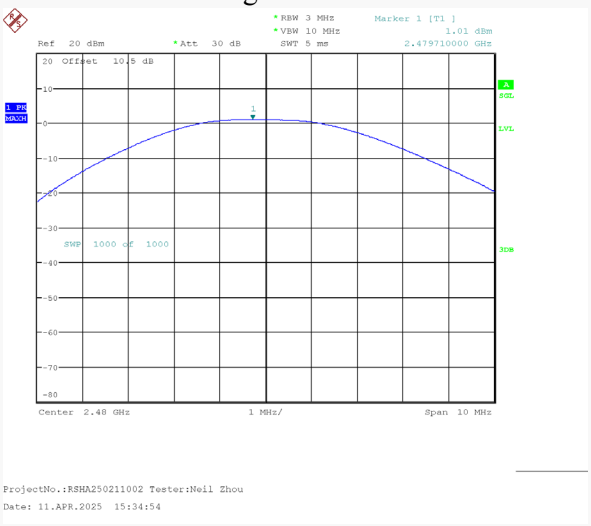
Low Channel



Middle Channel



High Channel



OUT OF BAND EMISSIONS

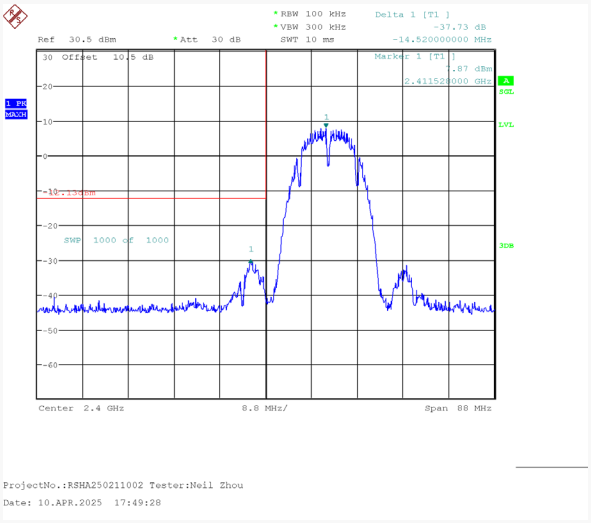
Environmental Conditions & Test Information

Test Date:	2025-04-10 to 2025-05-12
Temperature:	20.3-22.7 ℃
Relative Humidity:	47-51 %
ATM Pressure:	100.7-101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

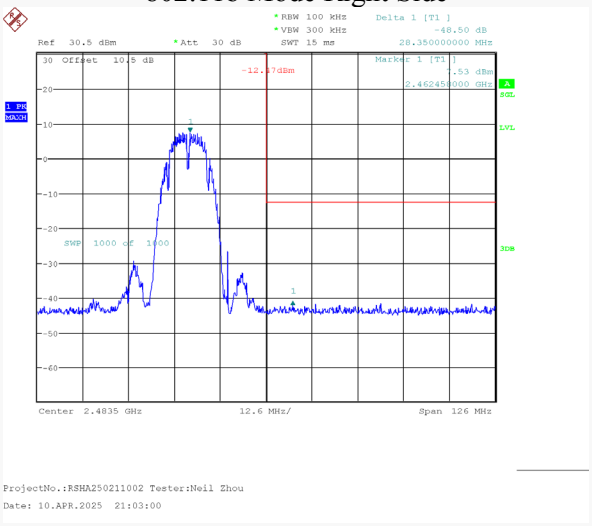
EUT operation mode: Transmitting

For Wi-Fi Mode:

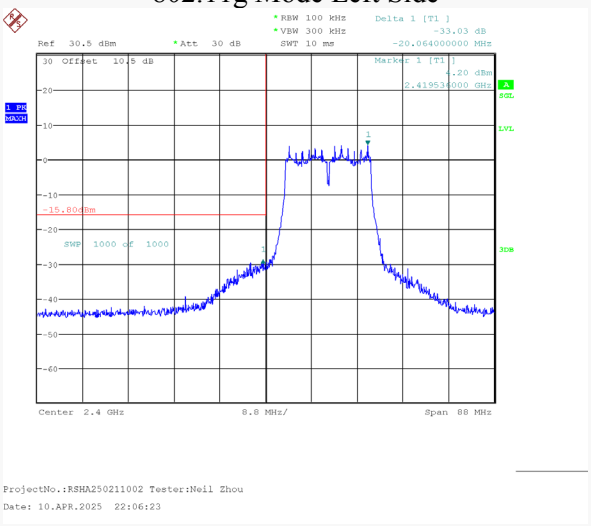
802.11b Mode Left Side



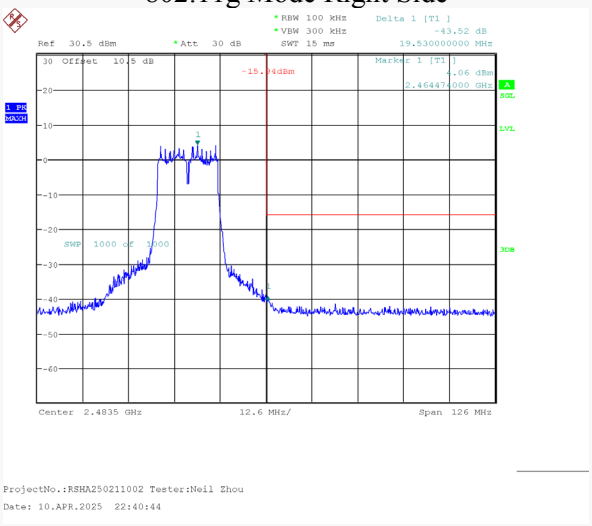
802.11b Mode Right Side



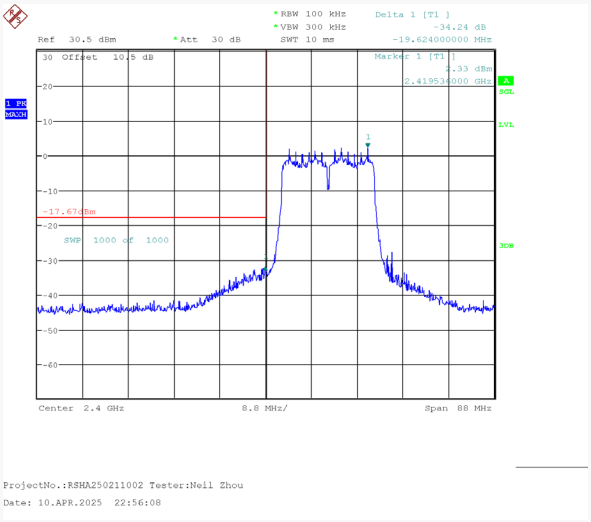
802.11g Mode Left Side



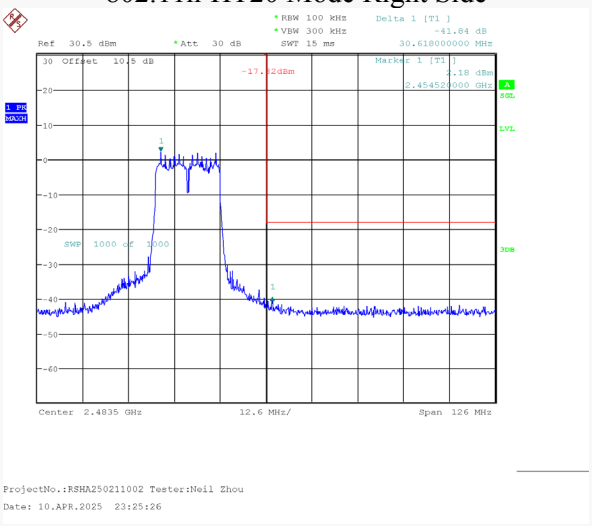
802.11g Mode Right Side



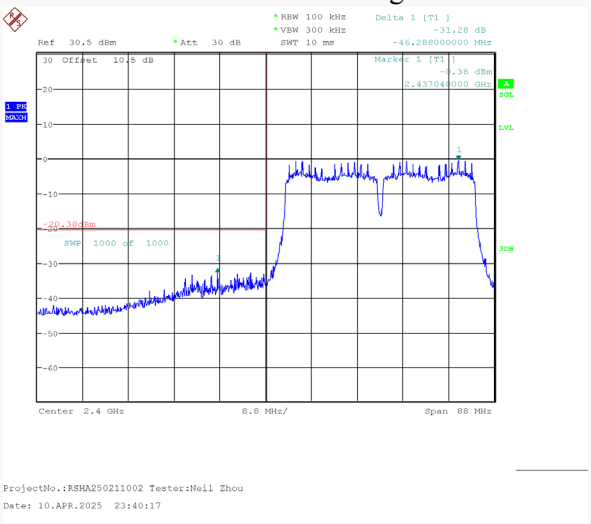
802.11n-HT20 Mode Left Side



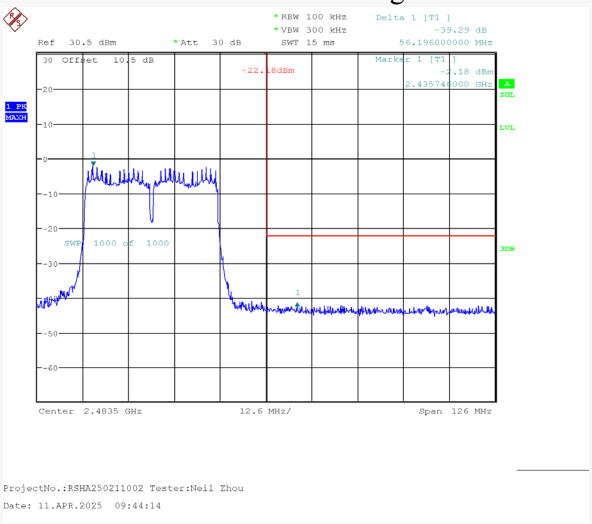
802.11n-HT20 Mode Right Side



802.11n-HT40 Mode Right Side

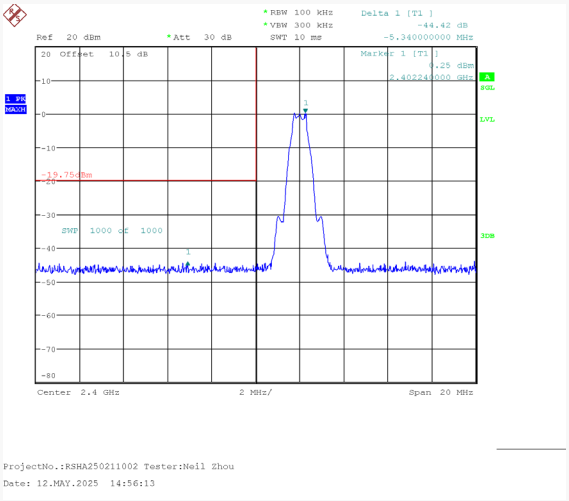


802.11n-HT40 Mode Right Side

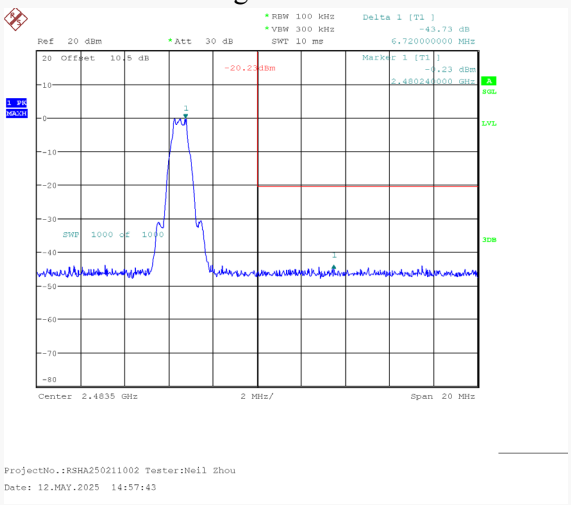


For BLE 1Mpbs Mode:

Low Channel

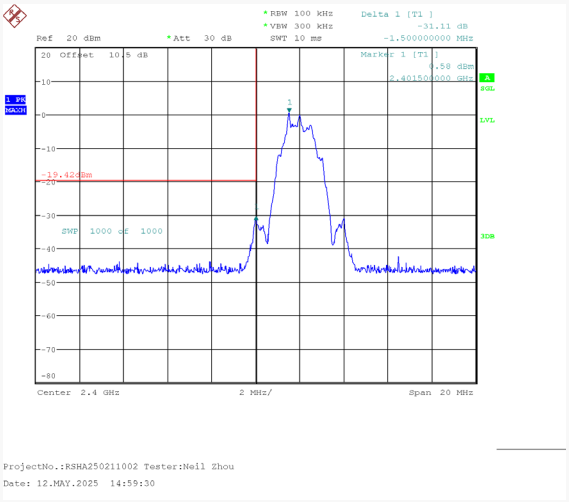


High Channel

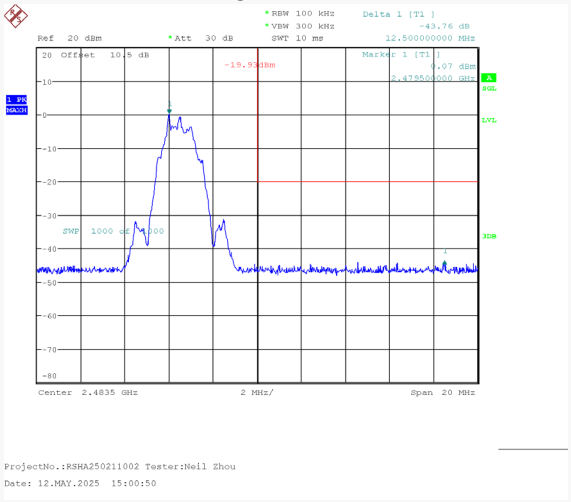


For BLE 2Mpbs Mode:

Low Channel



High Channel



EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A- EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

******* END OF REPORT *******