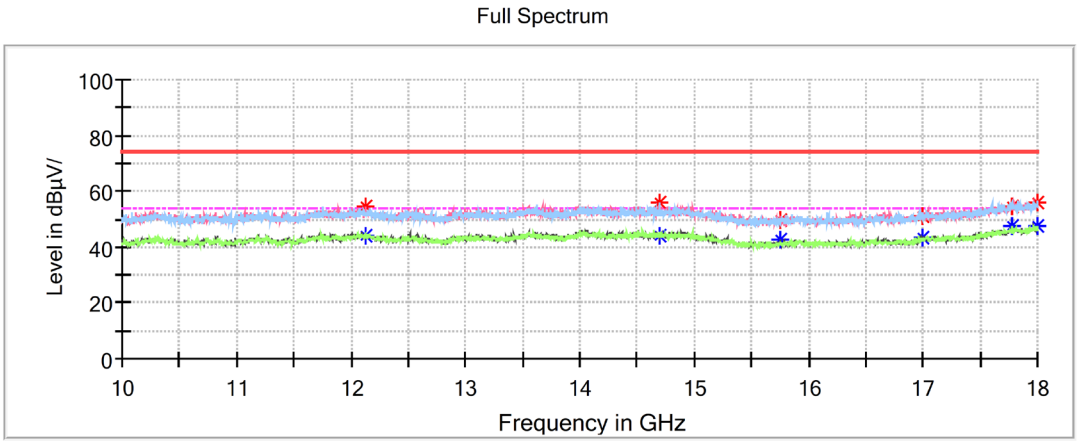
High Channel: 2480 MHz

Common Information

Project No.:	RDG260413001
EUT Model:	9290048075
Test Mode:	Transmitting in BLE mode high channel
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	20.2℃
Humidity:	54%
Atmospheric Pressure:	101.8Pa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/28



Critical_Freqs

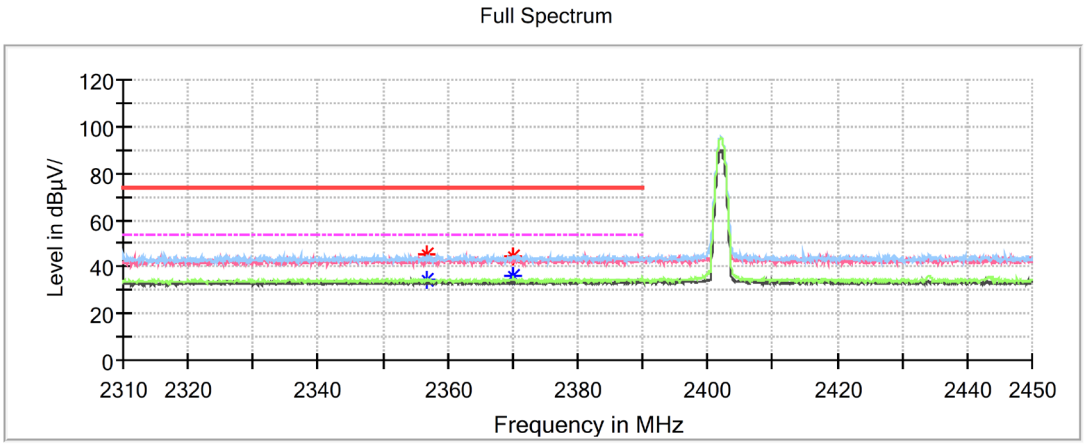
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12126.400000	---	44.35	54.00	9.65	V	9.0
12126.400000	54.49	---	74.00	19.51	V	9.0
14699.200000	---	44.17	54.00	9.83	V	10.4
14699.200000	55.86	---	74.00	18.14	V	10.4
15750.400000	49.67	---	74.00	24.33	V	7.7
15750.400000	---	42.89	54.00	11.11	V	7.7
16988.800000	51.01	---	74.00	22.99	V	9.5
16988.800000	---	43.60	54.00	10.40	V	9.5
17777.600000	54.82	---	74.00	19.18	H	12.5
17777.600000	---	47.27	54.00	6.73	H	12.5
17998.400000	56.20	---	74.00	17.80	H	13.8
17998.400000	---	47.71	54.00	6.29	H	13.8

Restricted Bands Emission:

Left Side

Common Information

Project No.:	RDG260413001
EUT Model:	9290048075
Test Mode:	Transmitting in BLE mode low channel
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	20.2℃
Humidity:	54%
Atmospheric Pressure:	101.8Pa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/28



Critical_Freqs

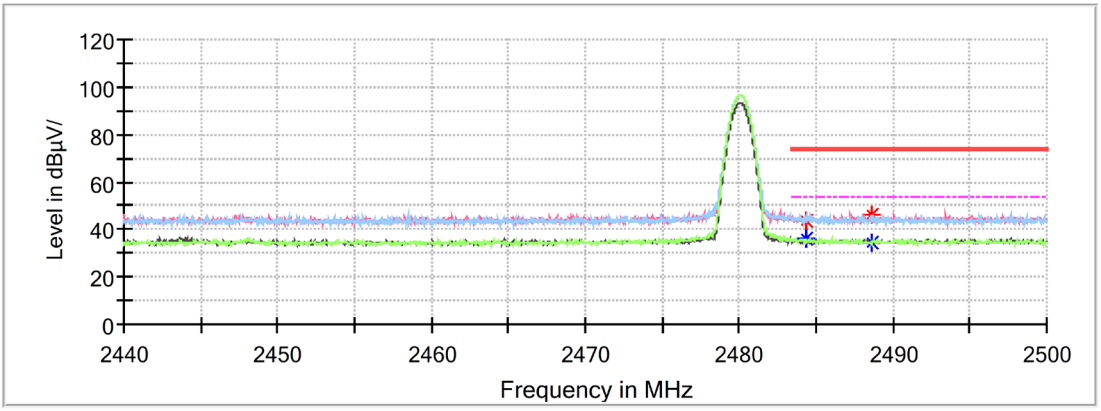
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2356.704000	45.68	---	74.00	28.32	H	-0.7
2356.704000	---	34.52	54.00	19.48	H	-0.7
2370.088000	44.58	---	74.00	29.42	H	-0.6
2370.088000	---	35.83	54.00	18.17	H	-0.6

Right Side

Common Information

Project No.:	RDG260413001
EUT Model:	9290048075
Test Mode:	Transmitting in BLE mode high channel
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	20.2℃
Humidity:	54%
Atmospheric Pressure:	101.8Pa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/28

Full Spectrum

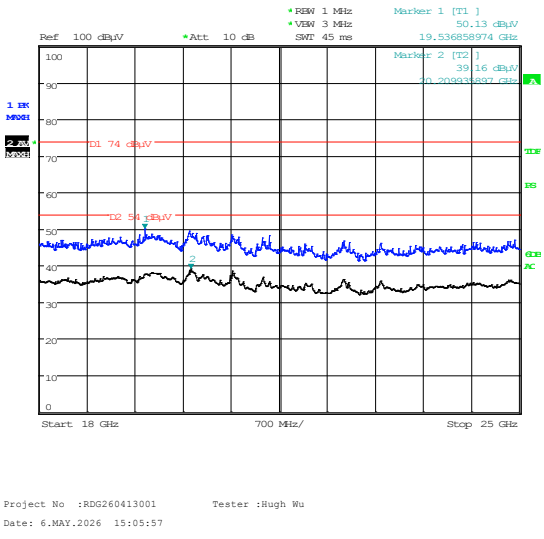


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2484.352000	43.67	---	74.00	30.33	H	-0.3
2484.352000	---	36.33	54.00	17.67	H	-0.3
2488.648000	46.15	---	74.00	27.85	H	-0.3
2488.648000	---	34.62	54.00	19.38	H	-0.3

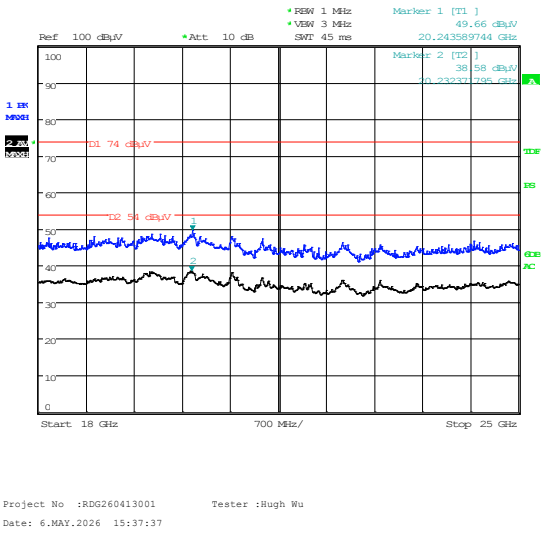
18 GHz - 25 GHz (Transmitting in maximum output power mode BLE (1 Mbps) low channel):

Horizontal



Project No :RDG260413001 Tester :Hugh Wu
Date: 6.MAY.2026 15:05:57

Vertical



Project No :RDG260413001 Tester :Hugh Wu
Date: 6.MAY.2026 15:37:37

Frequency (GHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
20.23	---	38.58	54	15.42	V	12.49
20.24	49.66	---	74	24.34	V	12.5
20.21	---	39.16	54	14.84	H	12.47
19.54	50.13	---	74	23.87	H	10.94

Note: The test distance is 3m. The limit is 74dBµV/m(Peak) and 54dBµV/m(Average).

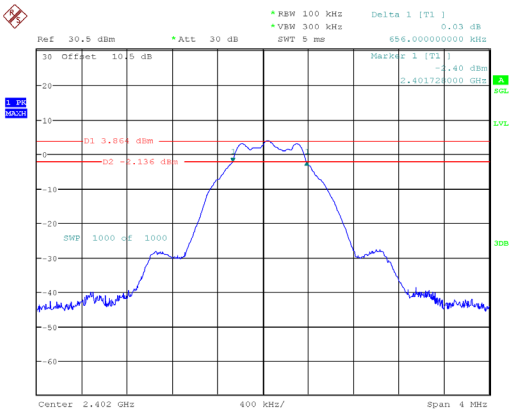
6 dB EMISSION BANDWIDTH

Environmental Conditions & Test Information

Test Date:	2026-04-29
Temperature:	19.2 ℃
Relative Humidity:	55 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

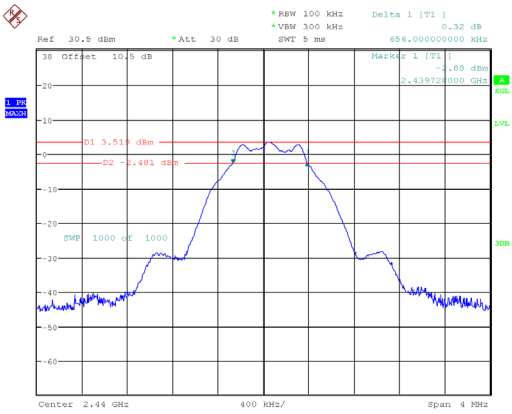
Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
BLE (1 Mbps)	Low	2402	0.656	≥0.5
	Middle	2440	0.656	≥0.5
	High	2480	0.664	≥0.5

BLE (1 Mbps): Low Channel



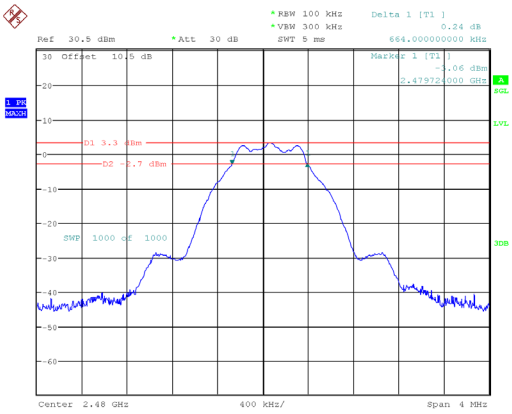
ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:51:36

BLE (1 Mbps): Middle Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:59:48

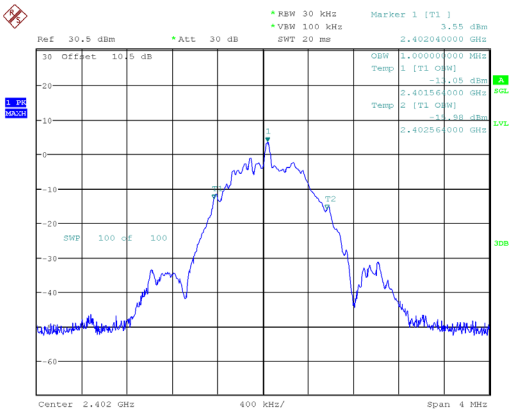
BLE (1 Mbps): High Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:09:21

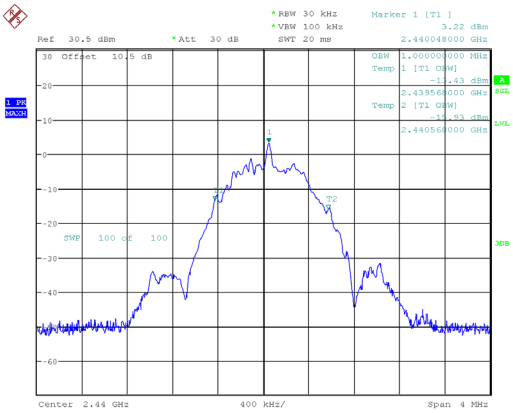
Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)
BLE (1 Mbps)	Low	2402	1
	Middle	2440	1
	High	2480	1.004

BLE (1 Mbps): Low Channel



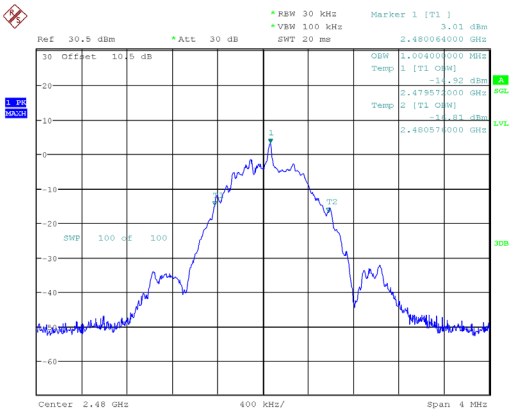
ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:58:39

BLE (1 Mbps): Middle Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:08:03

BLE (1 Mbps): High Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:16:41

MAXIMUM CONDUCTED OUTPUT POWER

Environmental Conditions & Test Information

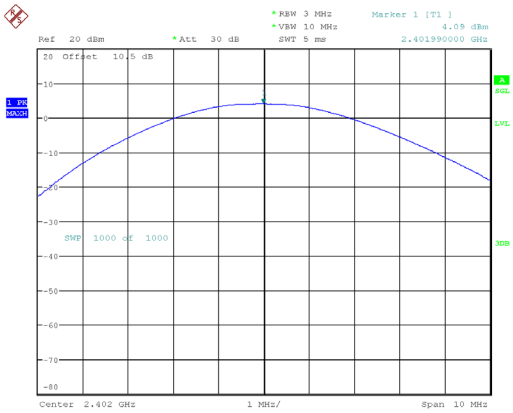
Test Date:	2026-04-29
Temperature:	19.2 ℃
Relative Humidity:	55 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

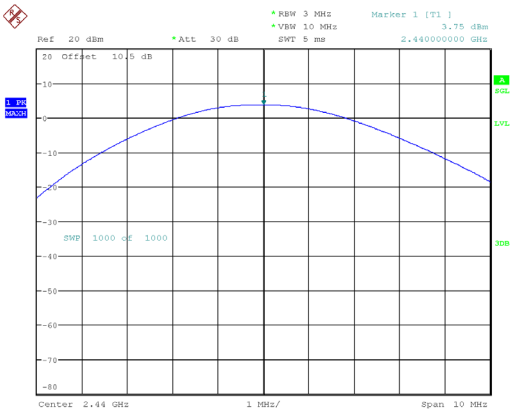
Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	4.09	30	Pass
	Middle	2440	3.75	30	Pass
	High	2480	3.56	30	Pass

BLE (1 Mbps): Low Channel



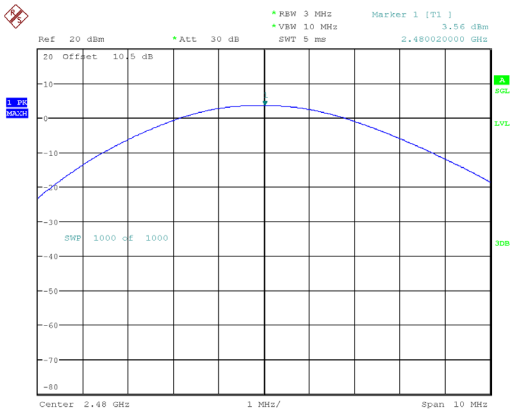
ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:52:24

BLE (1 Mbps): Middle Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:02:46

BLE (1 Mbps): High Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:10:24

BAND EDGE

Environmental Conditions & Test Information

Test Date:	2026-04-29
Temperature:	19.2 ℃
Relative Humidity:	55 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

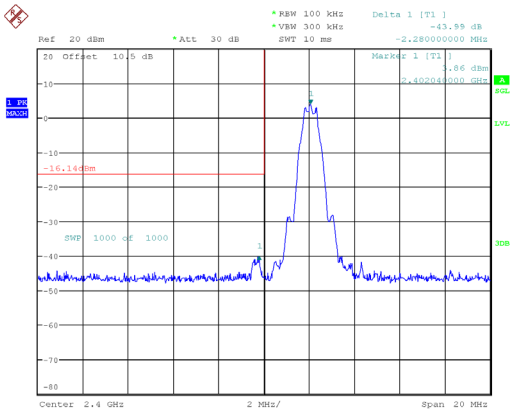
Test Result: Compliant.

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	Result (dBc)	Limit (dBc)
BLE (1 Mbps)	Low	2402	43.99	20
	High	2480	47.90	

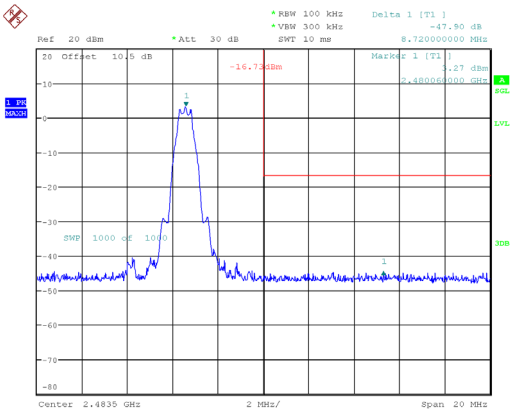
BLE (1 Mbps):

Left Side



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:53:23

Right Side



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:11:22

POWER SPECTRAL DENSITY

Environmental Conditions & Test Information

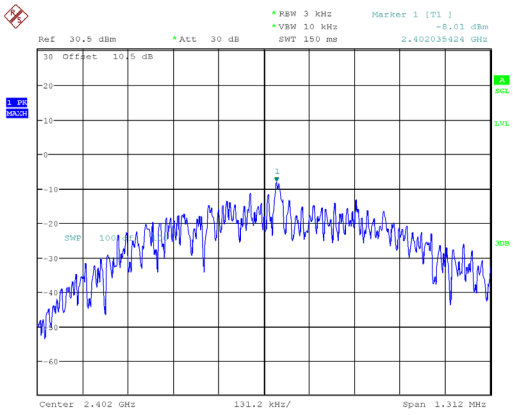
Test Date:	2026-04-29
Temperature:	19.2 ℃
Relative Humidity:	55 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

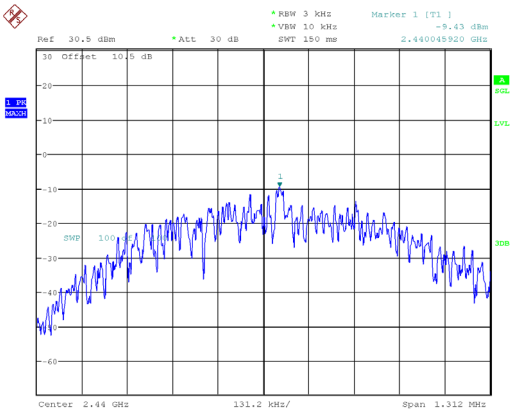
Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
BLE (1 Mbps)	Low	2402	-8.01	≤8
	Middle	2440	-9.43	≤8
	High	2480	-9.42	≤8

BLE (1 Mbps): Low Channel



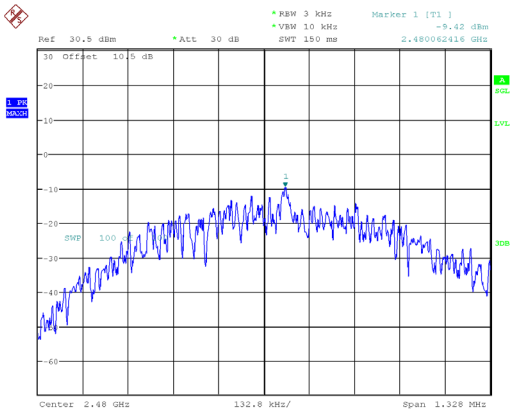
ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:53:46

BLE (1 Mbps): Middle Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:03:10

BLE (1 Mbps): High Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:11:46

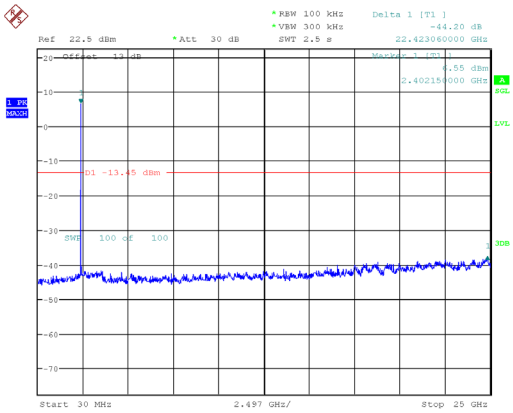
CONDUCTED SPURIOUS EMISSION

Environmental Conditions & Test Information

Test Date:	2026-04-29
Temperature:	19.2 ℃
Relative Humidity:	55 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

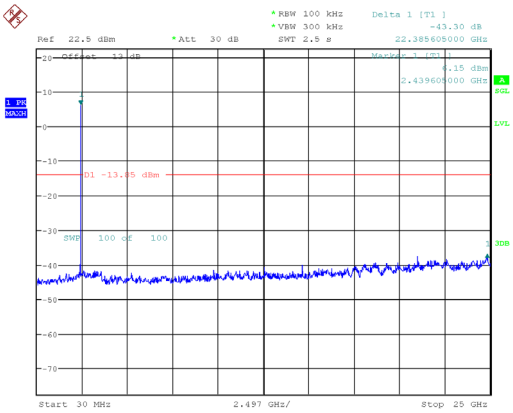
Mode	Channel	Frequency (MHz)	Result (dBc)	Limit (dBc)
BLE (1 Mbps)	Low	2402	44.20	20
	Middle	2440	43.30	
	High	2480	44.00	

BLE (1 Mbps): Low Channel



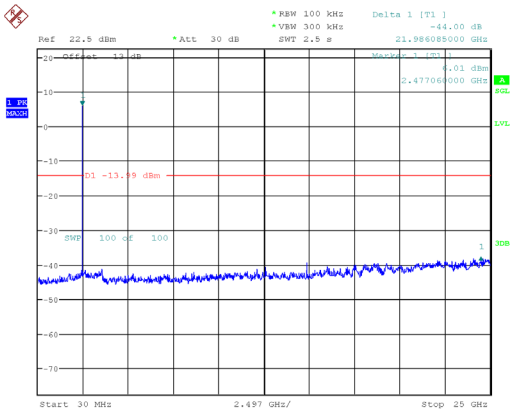
ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 16:58:26

BLE (1 Mbps): Middle Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:07:50

BLE (1 Mbps): High Channel



ProjectNo.:RDG260413001 Tester:Neil Zhou
Date: 29.APR.2026 17:16:26

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL 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.

6. This report may contain standards and test items that are not covered by the accreditation scope and shall be marked with an asterisk "▲".

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