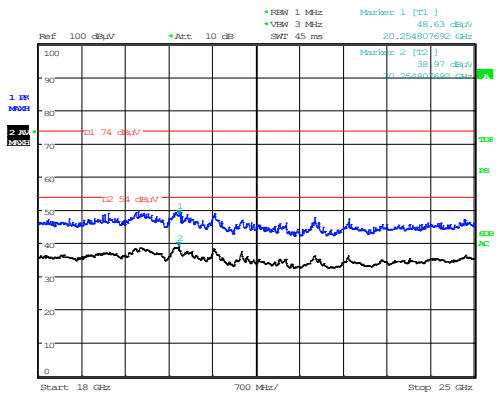


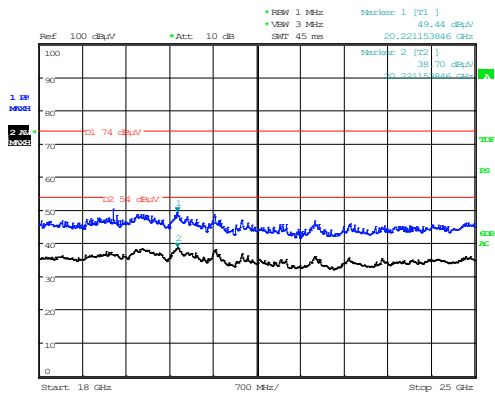
18 GHz - 25 GHz :
Transmitting in maximum output power BLE (2 Mbps) middle channel:
Horizontal



Project No :RKSA250519002
Date: 13.JUN.2025 22:57:10

Tester :Rugh Wu

Vertical



Project No :RKSA250519002
Date: 13.JUN.2025 23:29:53

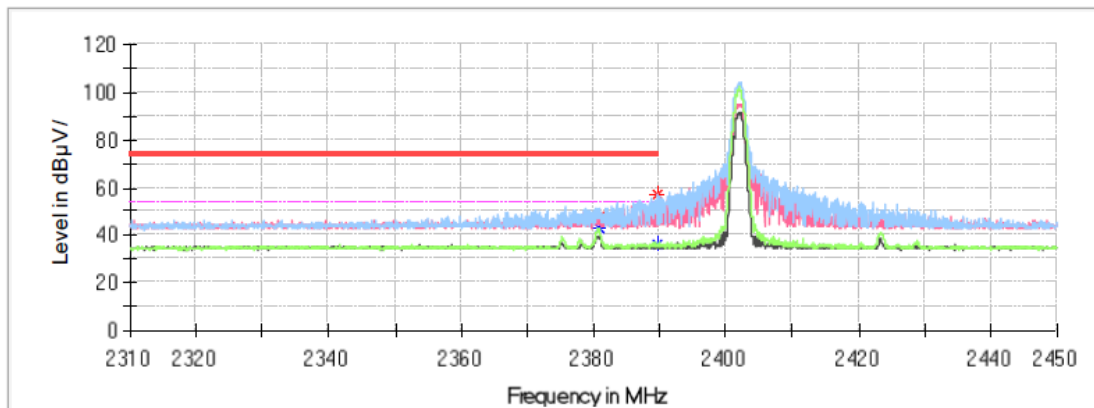
Tester :Rugh Wu

Frequency (GHz)	Max Peak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	(dB)	Pol	Corr. (dB/m)
20.22	---	38.7	54	15.3	V	12.48
20.22	49.44	---	74	24.56	V	12.48
20.25	---	38.97	54	15.03	H	12.51
20.25	48.63	---	74	25.37	H	12.51

RESTRICTED BANDS EMISSION:**BLE (1 Mbps)****Left Side****Common Information**

Project No.:	RKSA250519002
EUT Model:	K100 Max US
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.5°C
Humidity:	53%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Danny Zhu
Test Date:	2025/6/11

Full Spectrum

**Critical_Freqs**

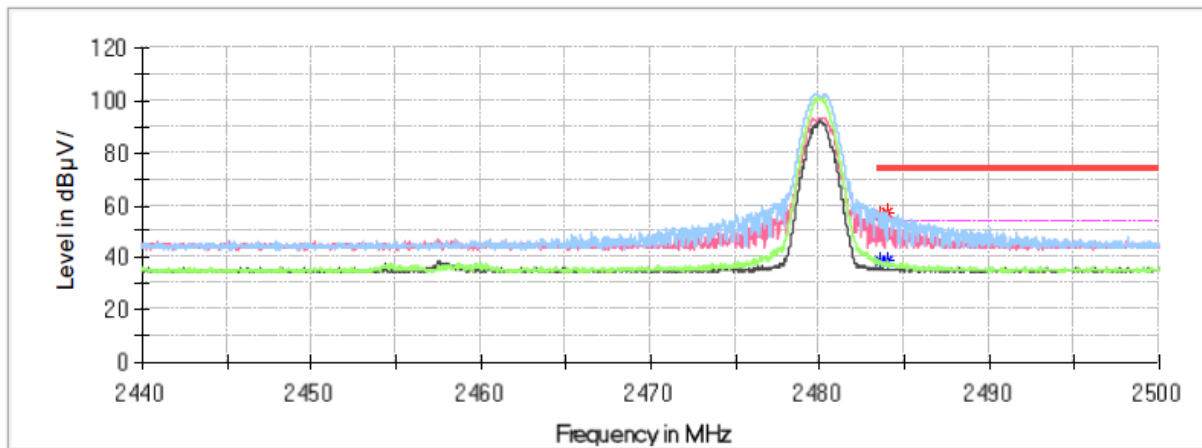
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2380.784000	47.86	---	74.00	26.14	H	-0.3
2380.784000	---	43.13	54.00	10.87	H	-0.3
2389.744000	56.77	---	74.00	17.23	H	-0.3
2389.744000	---	35.77	54.00	18.23	H	-0.3

Right Side

Common Information

Project No.: RKSA250519002
EUT Model: K100 Max US
Test Mode: BLE
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 24.5°C
Humidity: 53%
Atmospheric Pressure: 101.3kPa
Test Engineer: Danny Zhu
Test Date: 2025/6/11

Full Spectrum



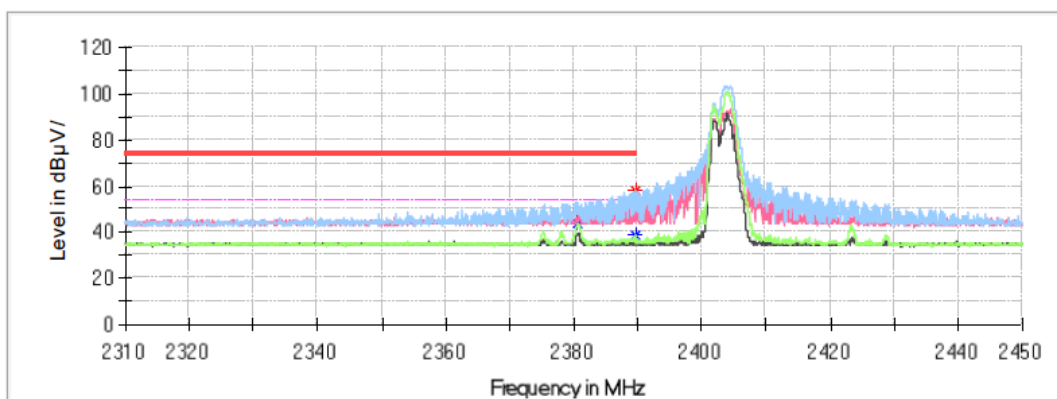
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.584000	---	38.94	54.00	15.06	H	-0.2
2483.584000	56.44	---	74.00	17.56	H	-0.2
2483.968000	---	38.35	54.00	15.65	H	-0.2
2483.968000	56.84	---	74.00	17.16	H	-0.2

BLE (2 Mbps)**Left Side****Common Information**

Project No.:	RKSA250519002
EUT Model:	K100 Max US
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.5°C
Humidity:	53%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Danny Zhu
Test Date:	2025/6/11

Full Spectrum

**Critical_Freqs**

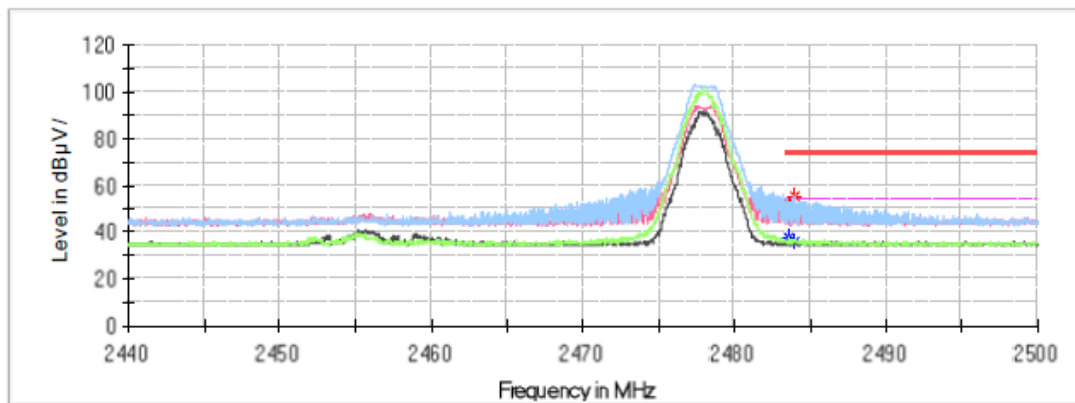
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2380.672000	48.41	---	74.00	25.59	H	-0.3
2380.672000	---	43.61	54.00	10.39	H	-0.3
2389.576000	57.80	---	74.00	16.20	H	-0.3
2389.576000	---	38.27	54.00	15.73	H	-0.3

Right Side

Common Information

Project No.: RKSA250519002
EUT Model: K100 Max US
Test Mode: BLE
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 24.5°C
Humidity: 53%
Atmospheric Pressure: 101.3kPa
Test Engineer: Danny Zhu
Test Date: 2025/6/11

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)
2483.560000	51.89	---	74.00	22.11	H	-0.2
2483.560000	---	37.66	54.00	16.34	H	-0.2
2483.992000	55.05	---	74.00	18.95	H	-0.2
2483.992000	---	36.41	54.00	17.59	H	-0.2

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

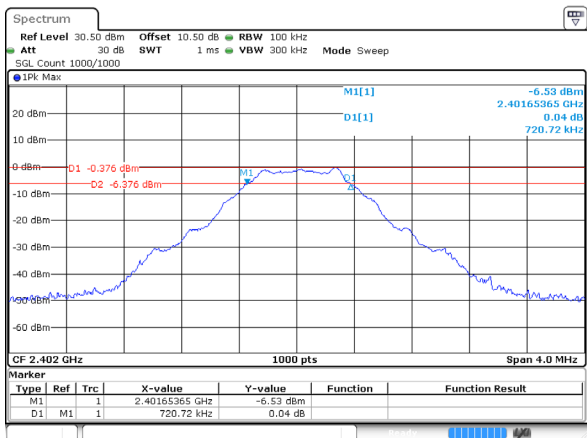
Test Date:	2025-06-04	2025-06-13
Temperature:	23.5 °C	25.5 °C
Relative Humidity:	45 %	63 %
ATM Pressure:	100.9 kPa	100.9 kPa
Test Result:	Pass	Pass
Test Engineer:	Neil Zhou	Neil Zhou

Module 1

Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
BLE (1 Mbps)	Low	2402	0.721	≥0.5
	Middle	2440	0.721	≥0.5
	High	2480	0.717	≥0.5
BLE (2 Mbps)	Low	2402	1.261	≥0.5
	Middle	2440	1.171	≥0.5
	High	2480	1.165	≥0.5

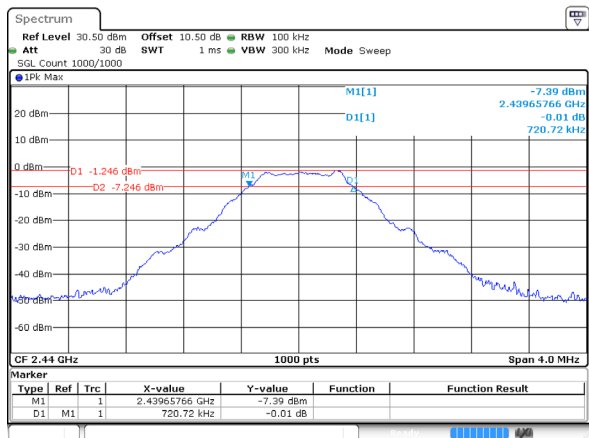
BLE (1 Mbps)

Low Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:33:12

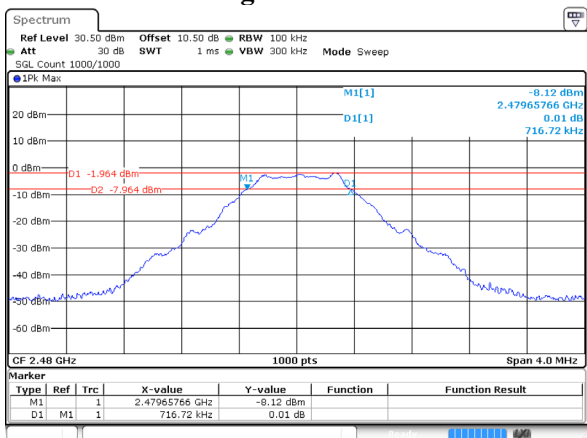
Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:37:19

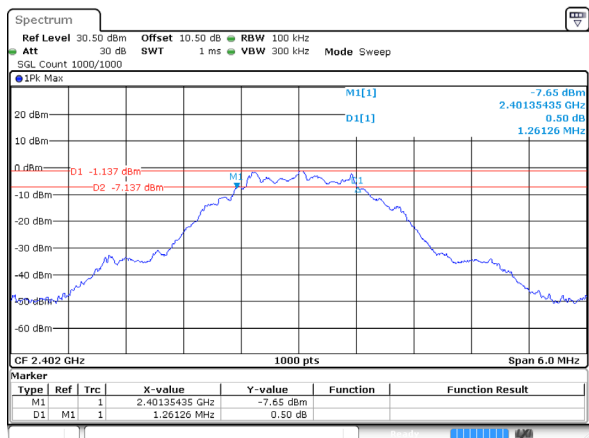
BLE (2 Mbps)

High Channel



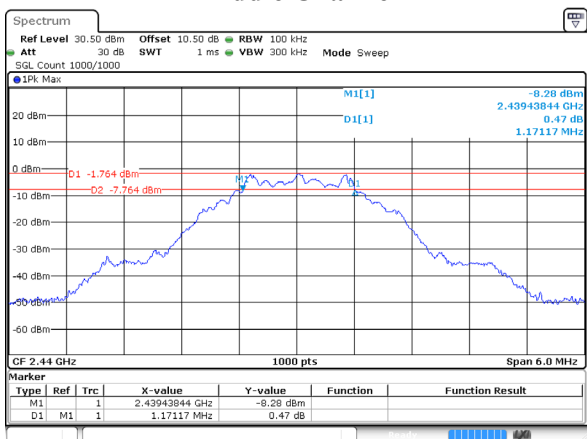
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:40:51

Low Channel



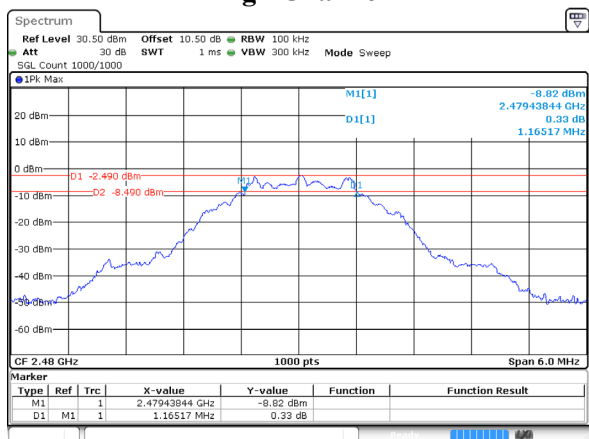
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:45:01

Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:54:47

High Channel



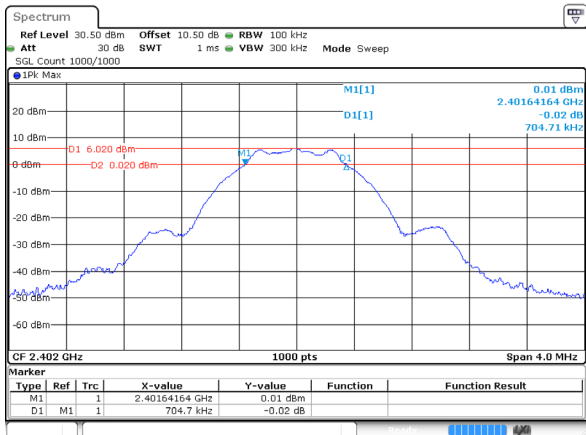
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:58:35

Module 2

Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
BLE (1 Mbps)	Low	2402	0.705	≥ 0.5
	Middle	2440	0.705	≥ 0.5
	High	2480	0.717	≥ 0.5
BLE (2 Mbps)	Low	2404	1.135	≥ 0.5
	Middle	2440	1.135	≥ 0.5
	High	2478	1.135	≥ 0.5

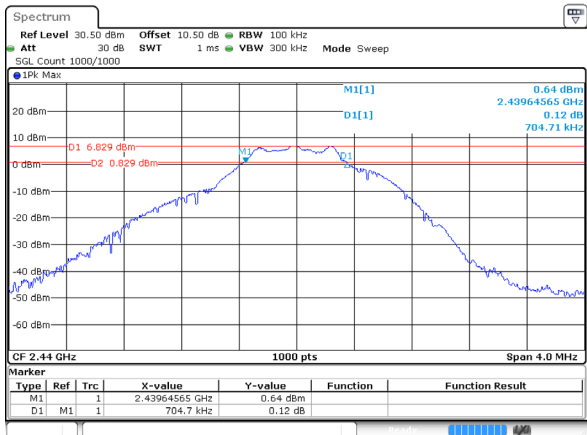
BLE (1 Mbps)

Low Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 09:36:57

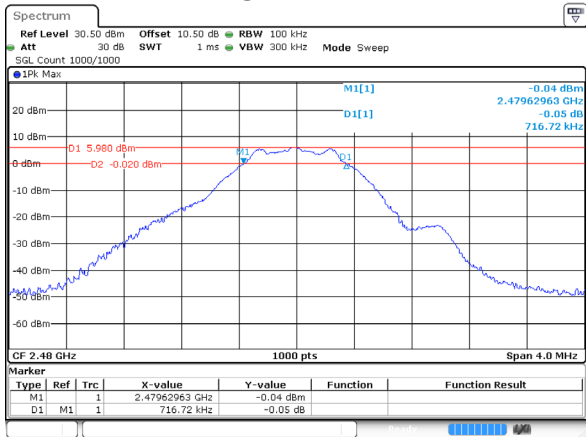
Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 09:50:57

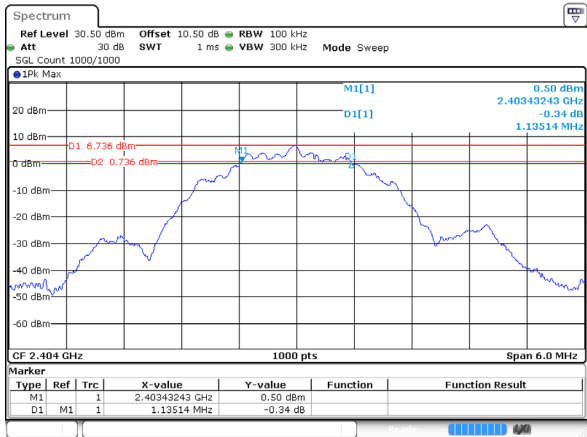
BLE (2 Mbps)

High Channel



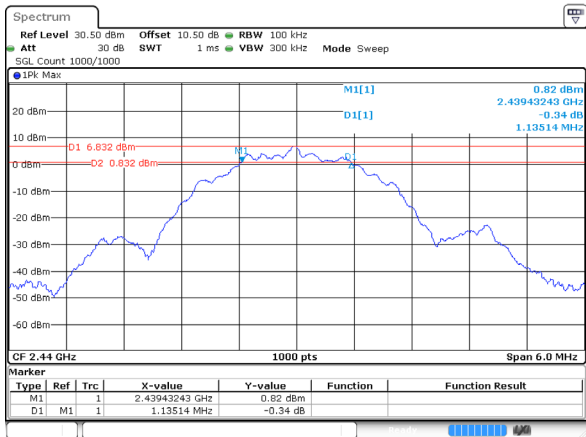
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 09:56:28

Low Channel



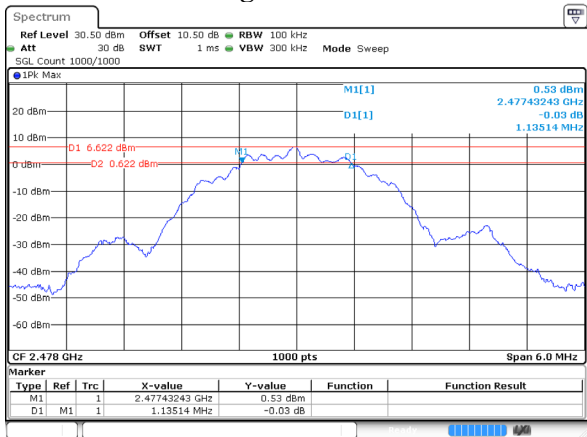
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 10:03:45

Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 10:08:15

High Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 10:13:13

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

Test Date:	2025-06-04	2025-06-13
Temperature:	23.5 °C	25.5 °C
Relative Humidity:	45 %	63 %
ATM Pressure:	100.9 kPa	100.9 kPa
Test Result:	Pass	Pass
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.

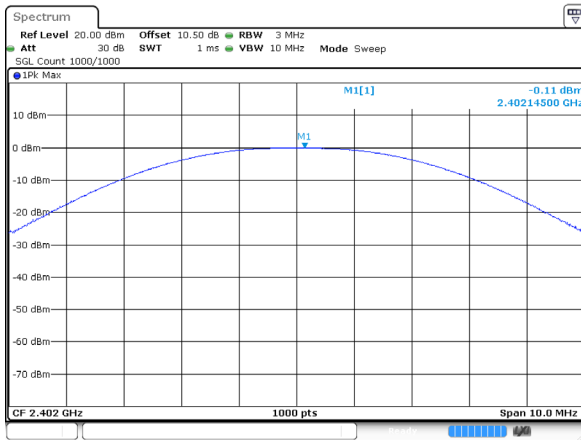
EUT operation mode: Transmitting

Module 1

Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	-0.11	30	Pass
	Middle	2440	-0.92	30	Pass
	High	2480	-1.62	30	Pass
BLE (2 Mbps)	Low	2402	-0.11	30	Pass
	Middle	2440	-0.87	30	Pass
	High	2480	-1.60	30	Pass

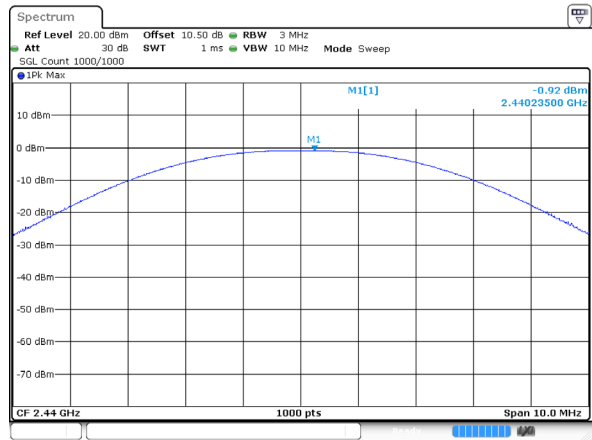
BLE (1 Mbps)

Low Channel



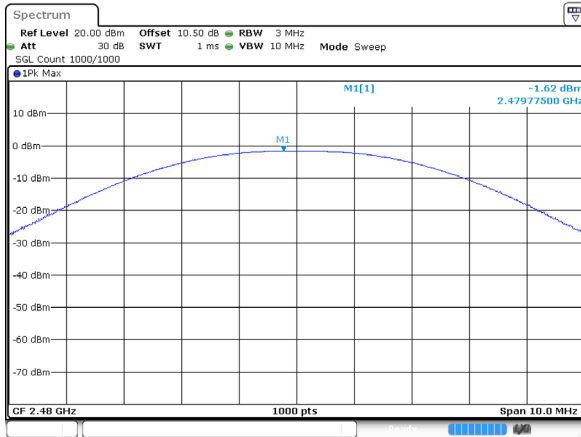
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:33:40

Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:37:30

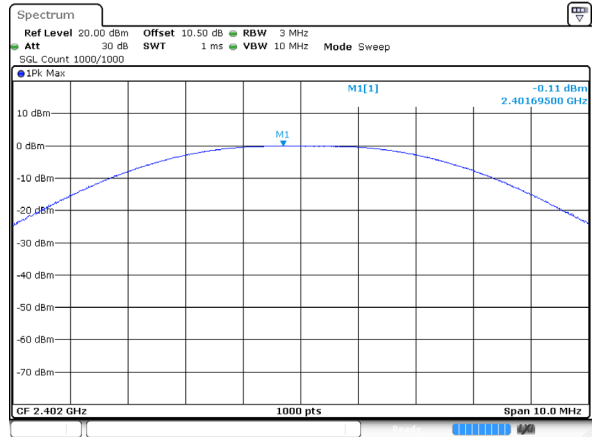
High Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:41:15

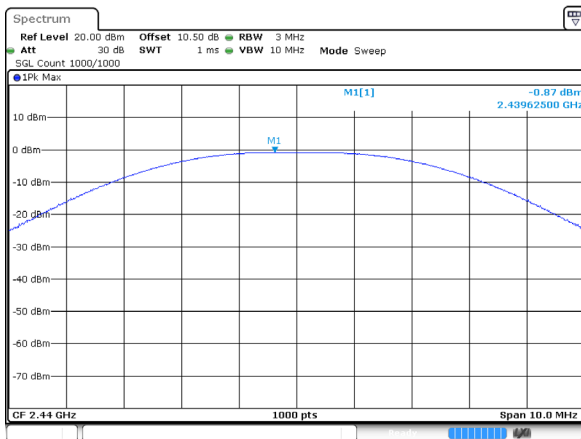
BLE (2 Mbps)

Low Channel



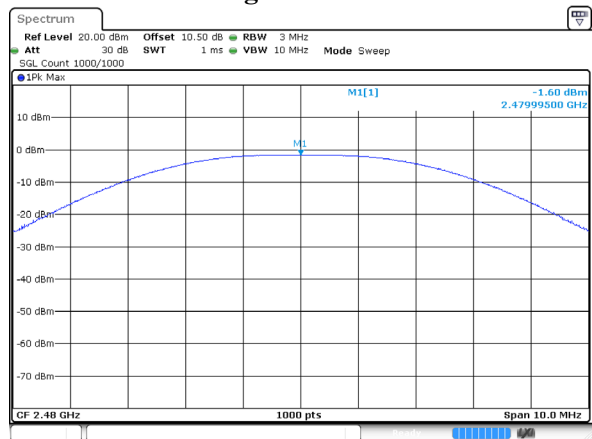
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:45:09

Middle Channel



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:55:00

High Channel



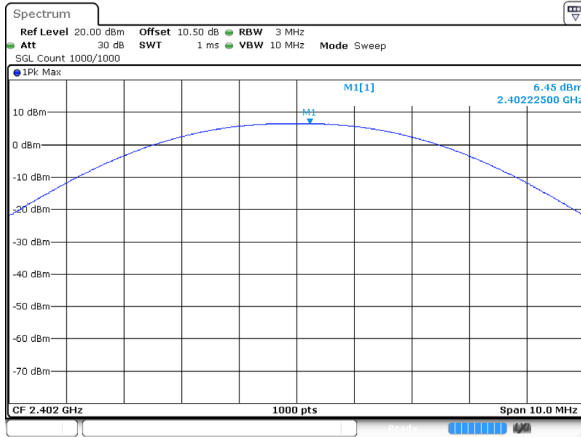
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:58:48

Module 2

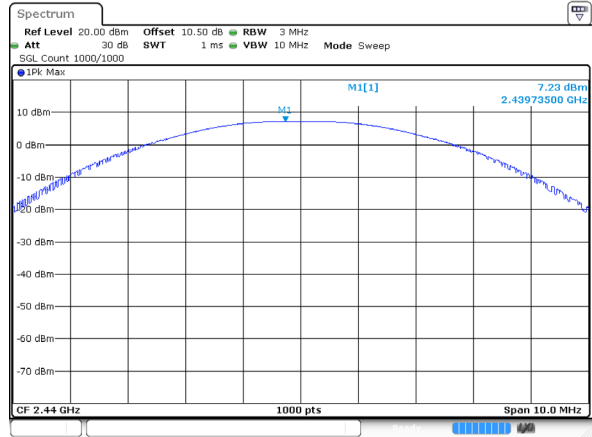
Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	6.45	30	Pass
	Middle	2440	7.23	30	Pass
	High	2480	6.36	30	Pass
BLE (2 Mbps)	Low	2404	7.13	30	Pass
	Middle	2440	7.24	30	Pass
	High	2478	7.03	30	Pass

BLE (1 Mbps)

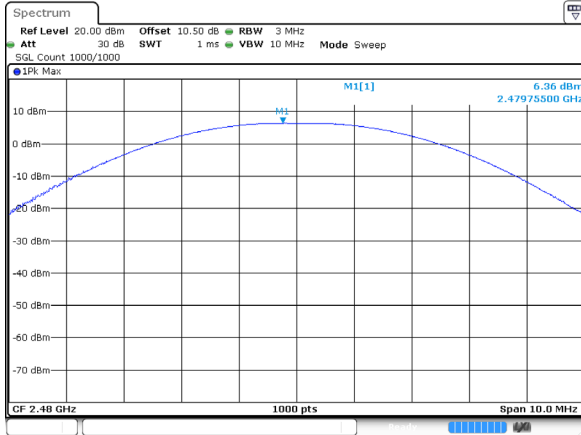
Low Channel



Middle Channel

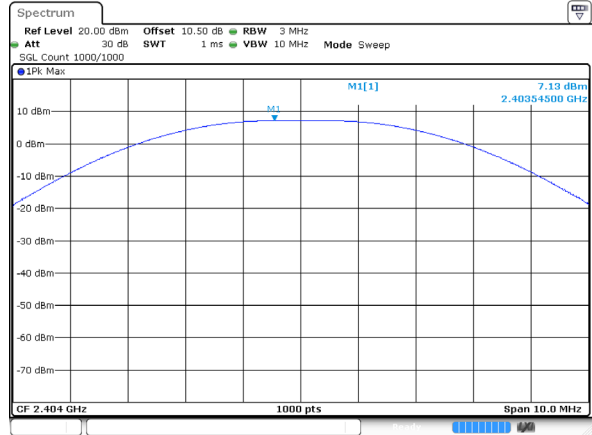


High Channel

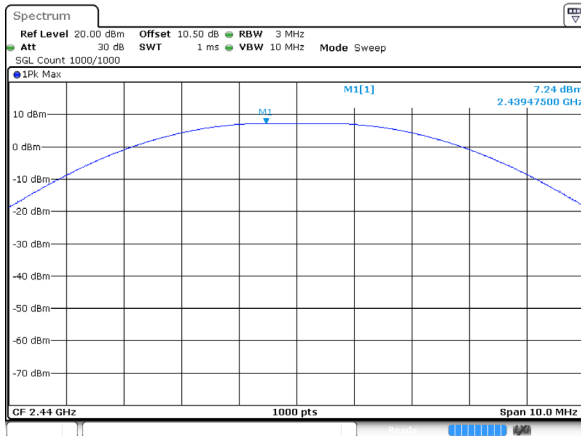


BLE (2 Mbps)

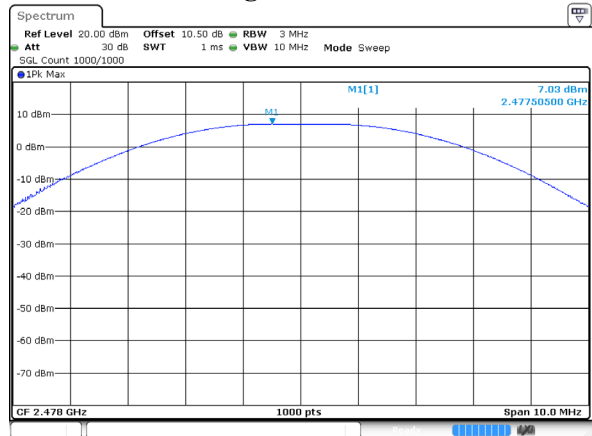
Low Channel



Middle Channel



High Channel



BAND EDGE**Environmental Conditions & Test Information**

Test Date:	2025-06-04	2025-06-13
Temperature:	23.5 °C	25.5 °C
Relative Humidity:	45 %	63 %
ATM Pressure:	100.9 kPa	100.9 kPa
Test Result:	Pass	Pass
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.

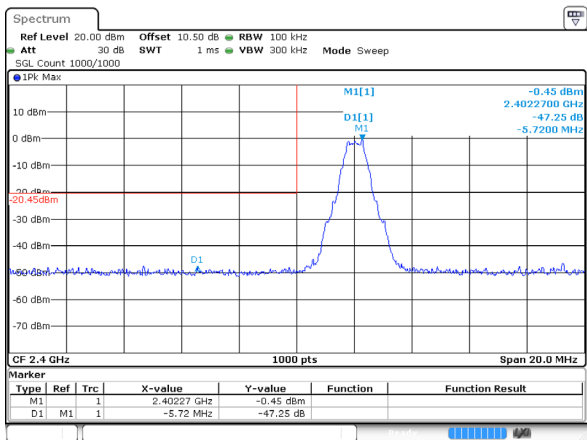
EUT operation mode: Transmitting

Module 1

Mode	Channel	Frequency (MHz)	Result (dBc)	Limit (dBc)
BLE (1 Mbps)	Low	2402	47.25	20
	High	2480	44.73	
BLE (2 Mbps)	Low	2402	31.19	
	High	2480	43.67	

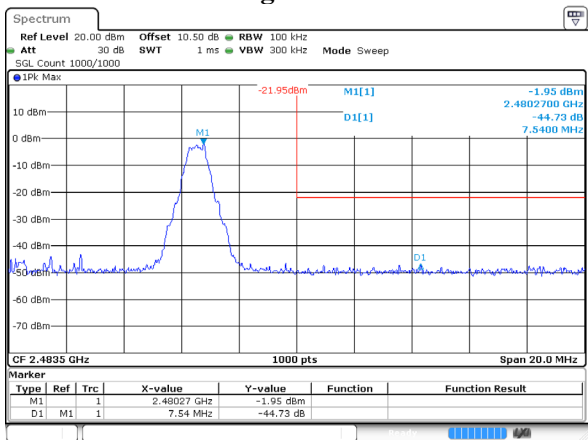
BLE (1 Mbps)

Left Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:33:59

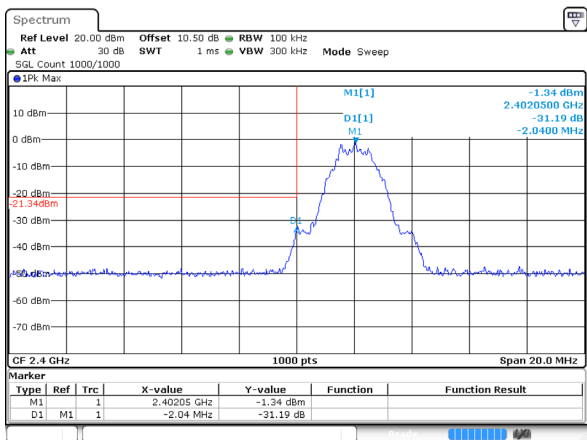
Right Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:41:29

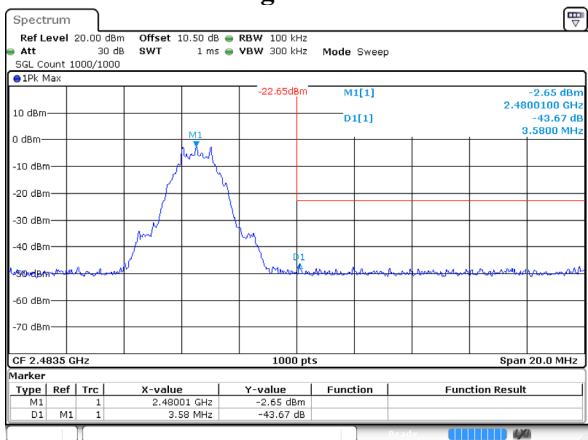
BLE (2 Mbps)

Left Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:45:28

Right Side



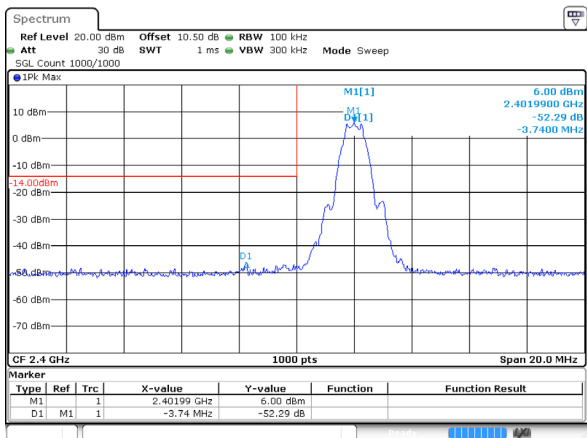
ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 4 JUN 2025 18:59:03

Module 2

Mode	Channel	Frequency (MHz)	Result (dBc)	Limit (dBc)
BLE (1 Mbps)	Low	2402	52.29	20
	High	2480	53.66	
BLE (2 Mbps)	Low	2404	54.38	
	High	2478	54.65	

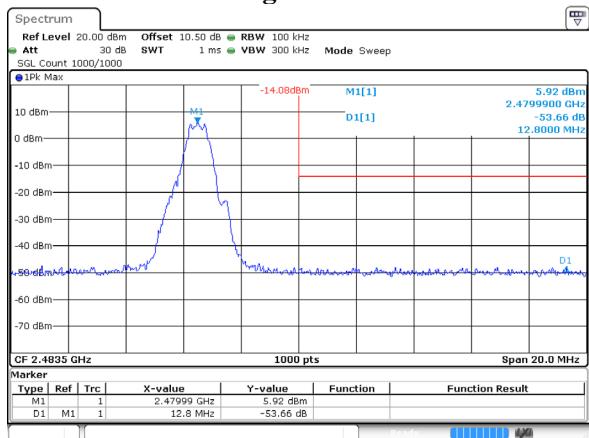
BLE (1 Mbps)

Left Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 09:37:31

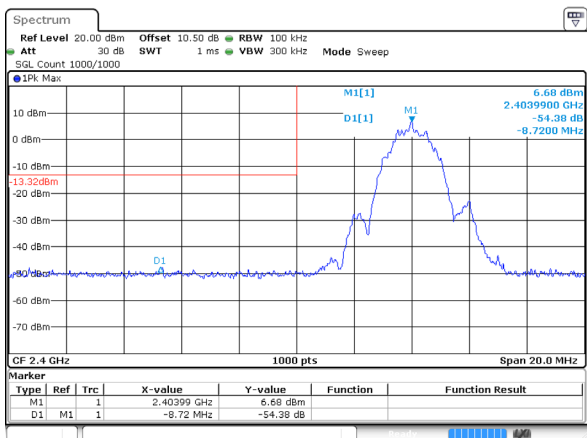
Right Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 09:57:56

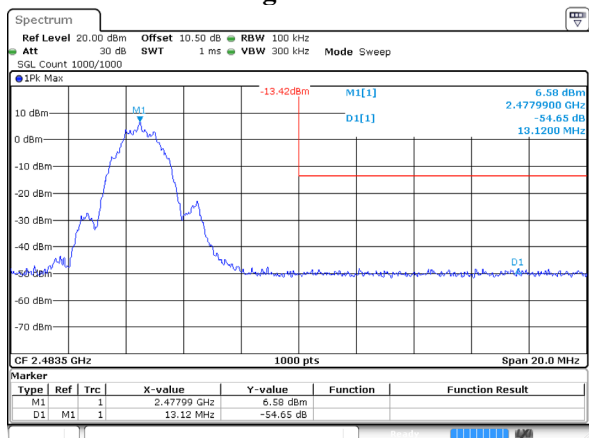
BLE (2 Mbps)

Left Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 10:04:29

Right Side



ProjectNo.: RKSA250519002 Tester: Neil Zhou
Date: 13 JUN 2025 10:13:46

POWER SPECTRAL DENSITY**Environmental Conditions & Test Information**

Test Date:	2025-06-04	2025-06-13
Temperature:	23.5 °C	25.5 °C
Relative Humidity:	45 %	63 %
ATM Pressure:	100.9 kPa	100.9 kPa
Test Result:	Pass	Pass
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.

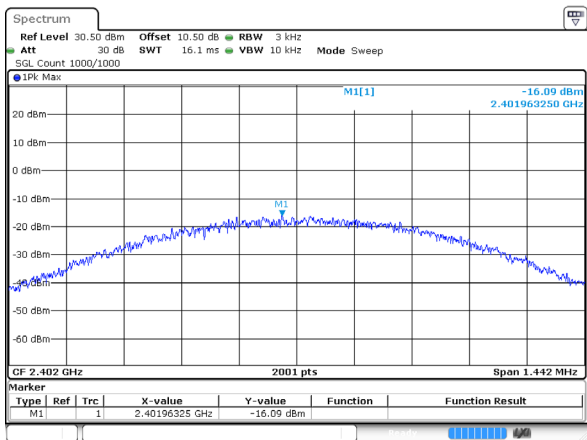
EUT operation mode: Transmitting

Module 1

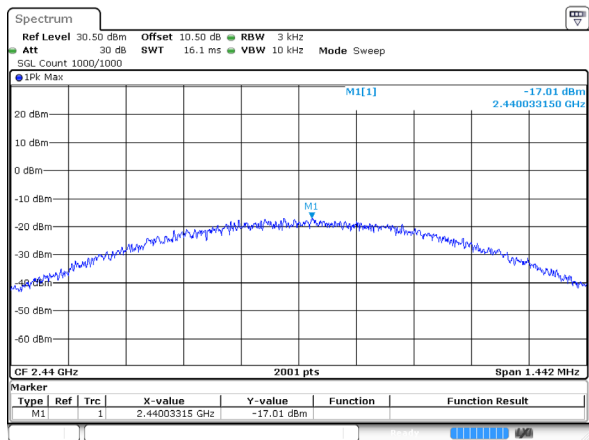
Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
BLE (1 Mbps)	Low	2402	-16.09	≤8
	Middle	2440	-17.01	≤8
	High	2480	-17.91	≤8
BLE (2 Mbps)	Low	2402	-19.24	≤8
	Middle	2440	-20.01	≤8
	High	2480	-20.87	≤8

BLE (1 Mbps)

Low Channel

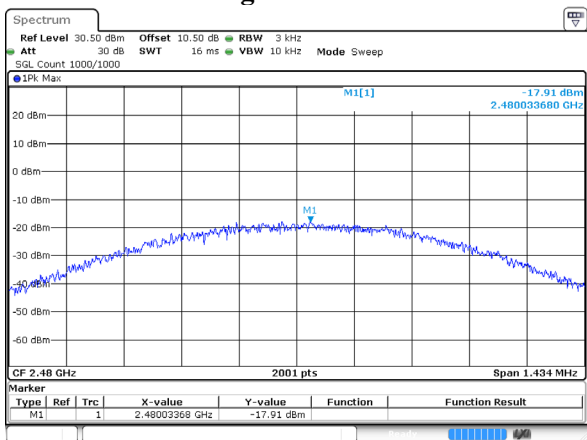


Middle Channel

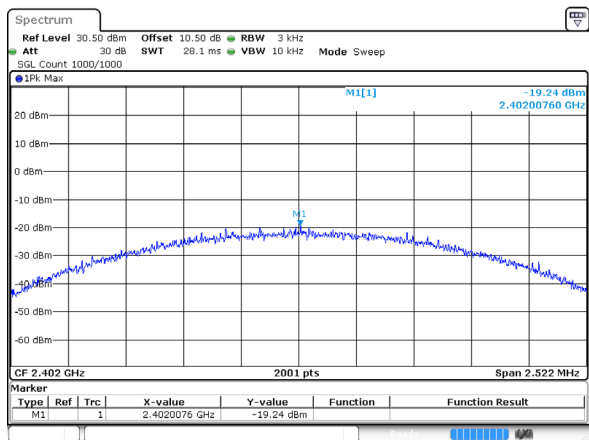


BLE (2 Mbps)

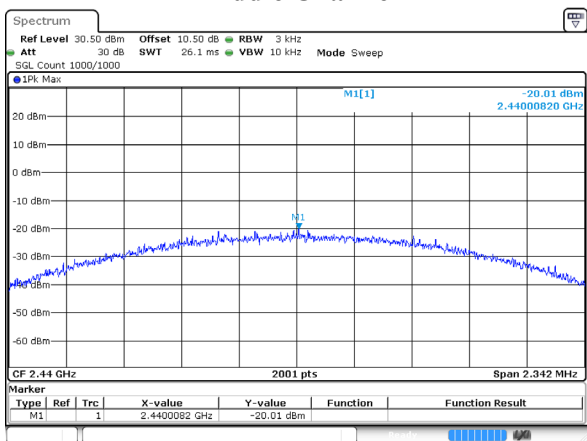
High Channel



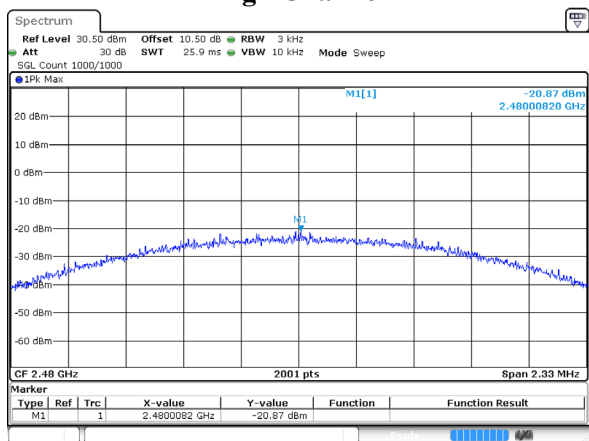
Low Channel



Middle Channel



High Channel

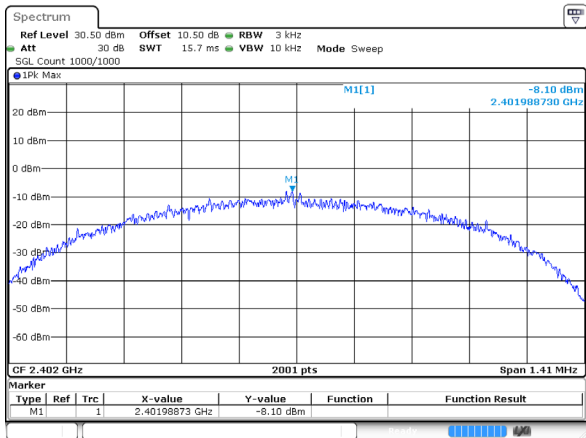


Module 2

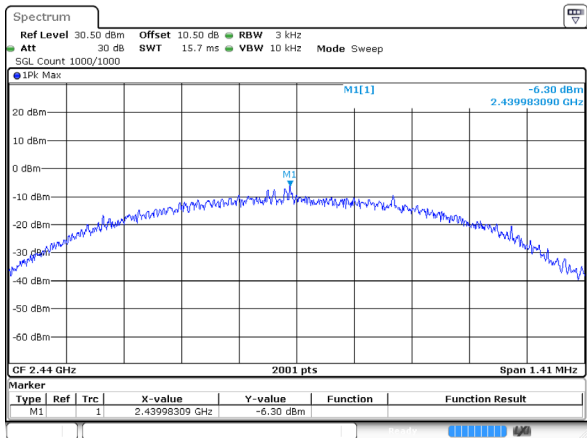
Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
BLE (1 Mbps)	Low	2402	-8.10	≤ 8
	Middle	2440	-6.30	≤ 8
	High	2480	-7.43	≤ 8
BLE (2 Mbps)	Low	2404	-8.62	≤ 8
	Middle	2440	-7.97	≤ 8
	High	2478	-8.26	≤ 8

BLE (1 Mbps)

Low Channel

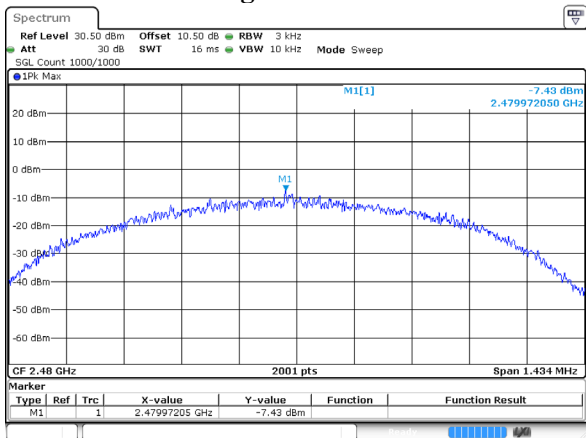


Middle Channel

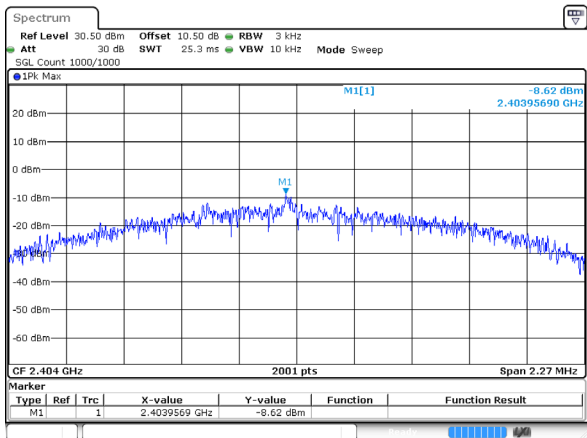


BLE (2 Mbps)

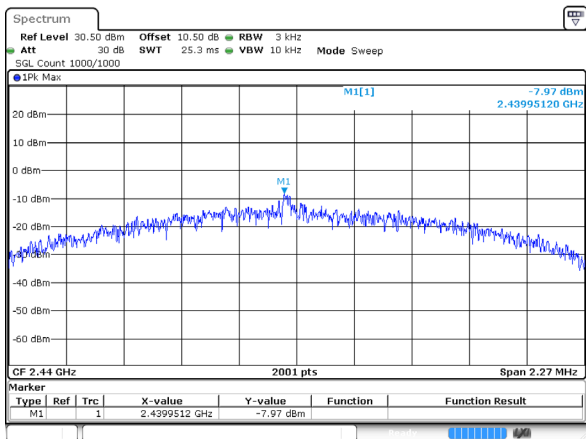
High Channel



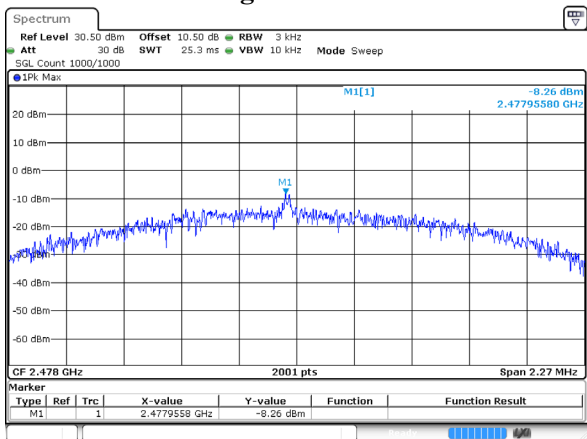
Low Channel



Middle Channel



High Channel



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 *******