

FCC Part 15.247

Test Information:

Serial No.:	2GSE-6	Test Date:	2024/02/02
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.3	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101.1
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/03/31	2024/03/30
zhuoxiang	Coaxial Cable	SMA-178	211002	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Tester:

Lingling Li

Reviewer:

Silence Wu

6dB Emission Bandwidth

BLE 1M

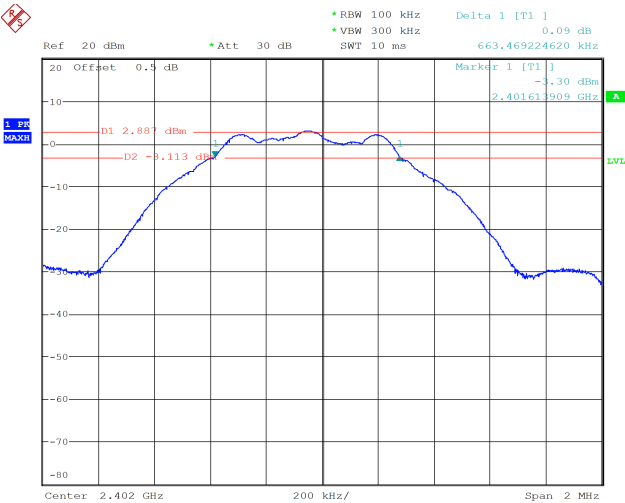
Mode	Value (MHz)	Limit (MHz)	Result
Low	0.663	0.5	Pass
Middle	0.665	0.5	Pass
High	0.665	0.5	Pass

BLE 2M

Mode	Value (MHz)	Limit (MHz)	Result
Low	1.151	0.5	Pass
Middle	1.154	0.5	Pass
High	1.154	0.5	Pass

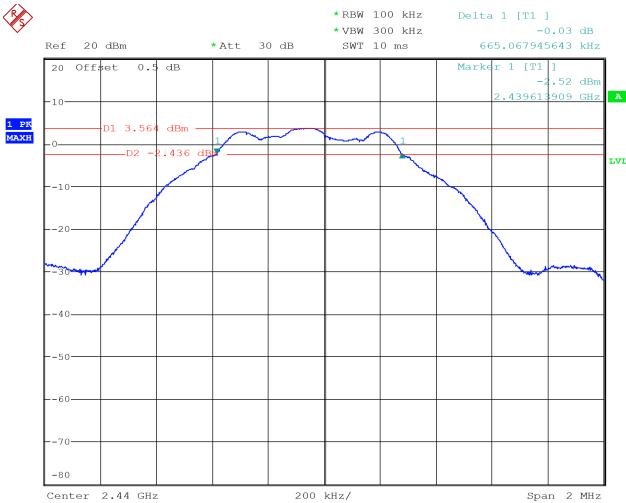
BLE 1M

Low 0.663 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:11:37

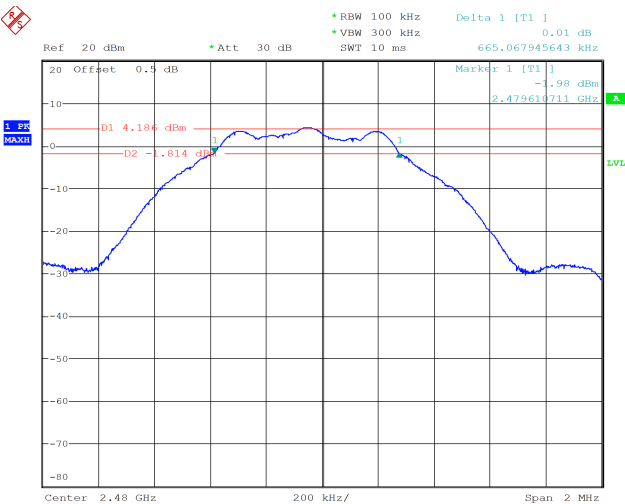
Middle 0.665 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:13:31

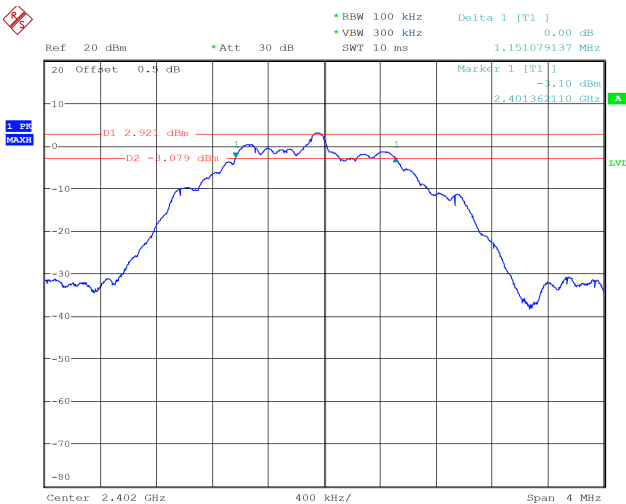
BLE 2M

High 0.665 MHz



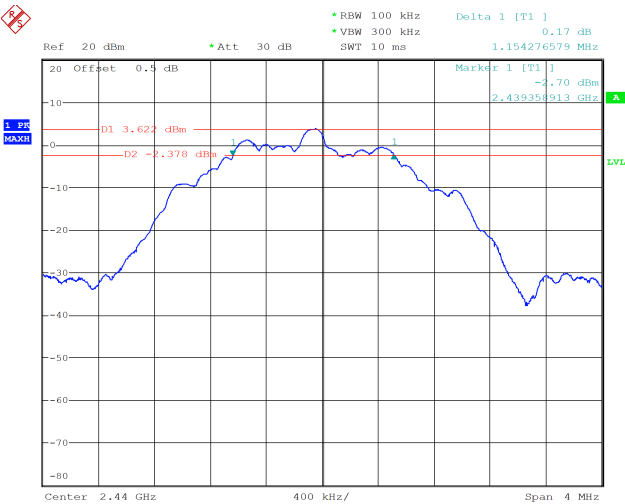
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:16:45

Low 1.151 MHz



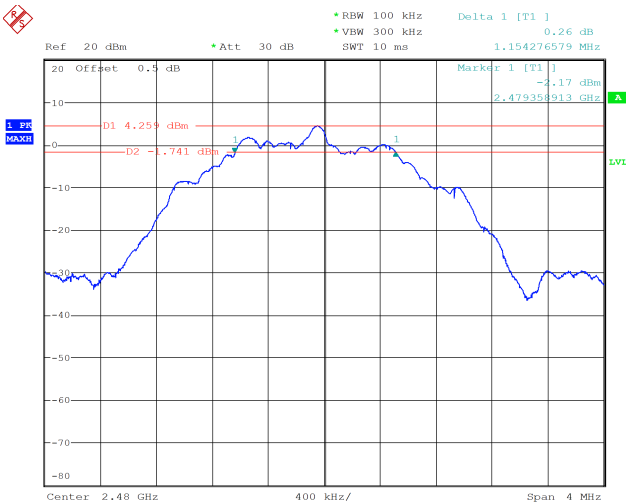
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:19:19

Middle 1.154 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:21:48

High 1.154 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:26:43

99% Occupied Bandwidth

BLE 1M

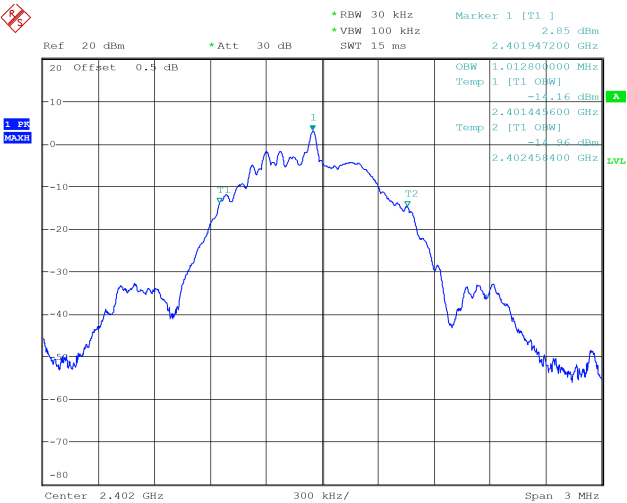
Mode	99% OBW (MHz)
Low	1.013
Middle	1.010
High	1.015

BLE 2M

Mode	99% OBW (MHz)
Low	2.011
Middle	2.002
High	2.011

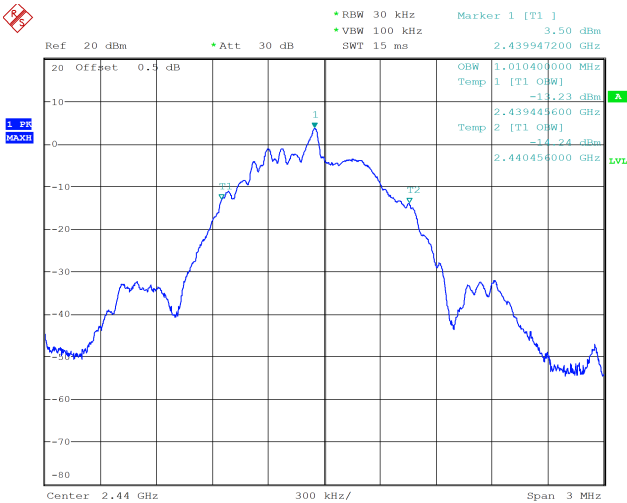
BLE 1M

Low 1.013 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:12:11

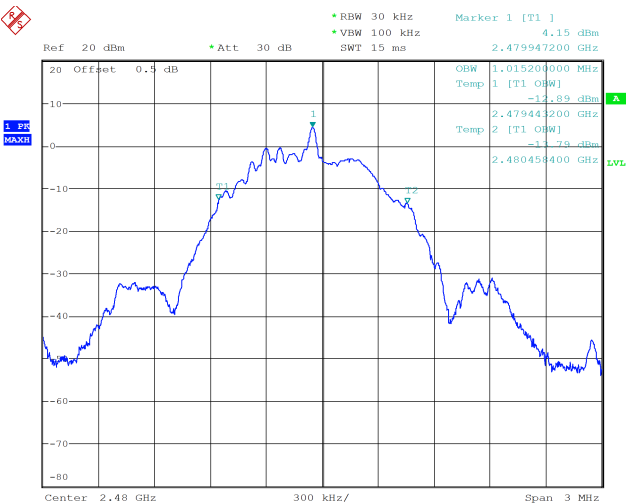
Middle 1.010 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:13:58

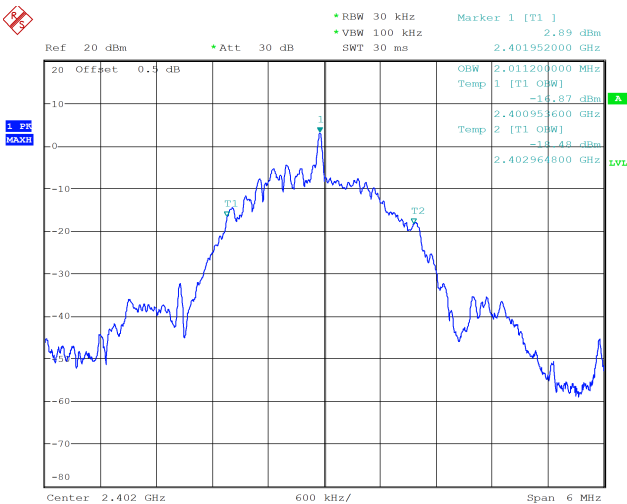
BLE 2M

High 1.015 MHz



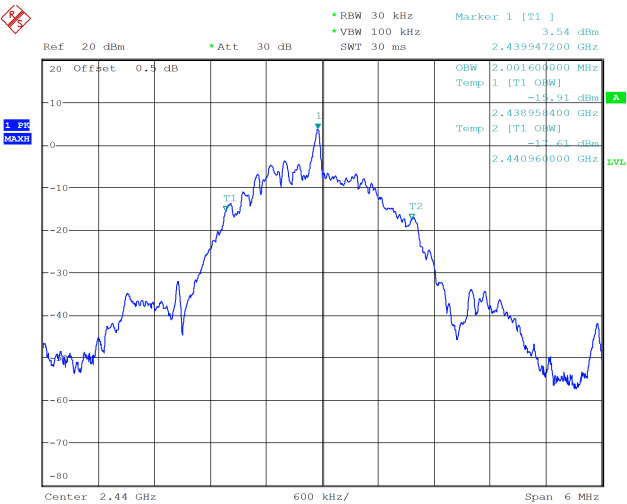
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:17:12

Low 2.011 MHz



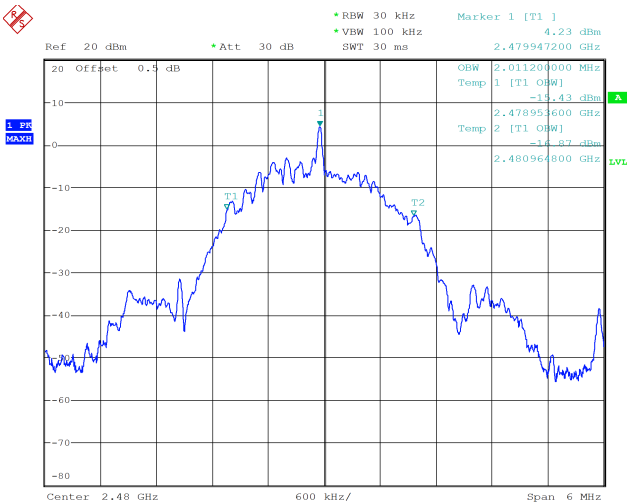
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:19:52

Middle 2.002 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:22:25

High 2.011 MHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:27:12

Maximum Conducted Output Power

BLE 1M

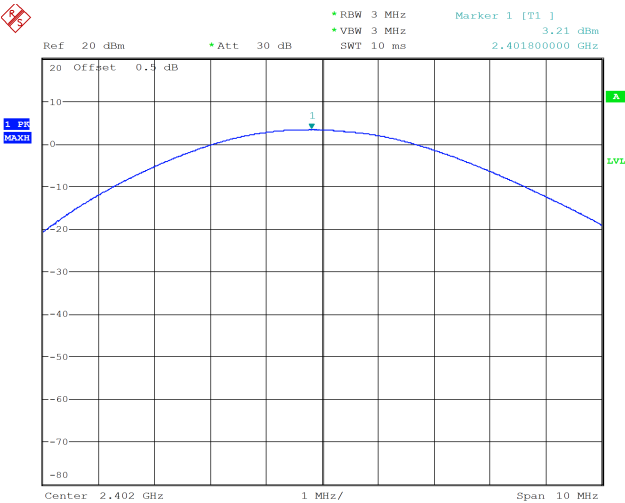
Mode	Value (dBm)	Limit (dBm)	Result
Low	3.21	30.00	Pass
Middle	3.92	30.00	Pass
High	4.55	30.00	Pass

BLE 2M

Mode	Value (dBm)	Limit (dBm)	Result
Low	3.24	30.00	Pass
Middle	3.97	30.00	Pass
High	4.61	30.00	Pass

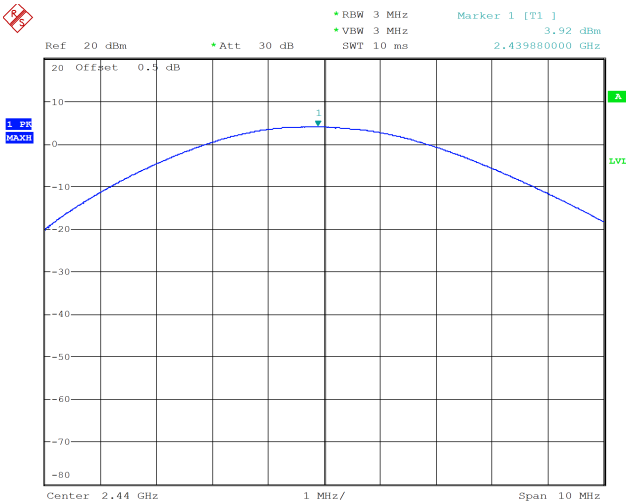
BLE 1M

Low 3.21 dBm



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:32:44

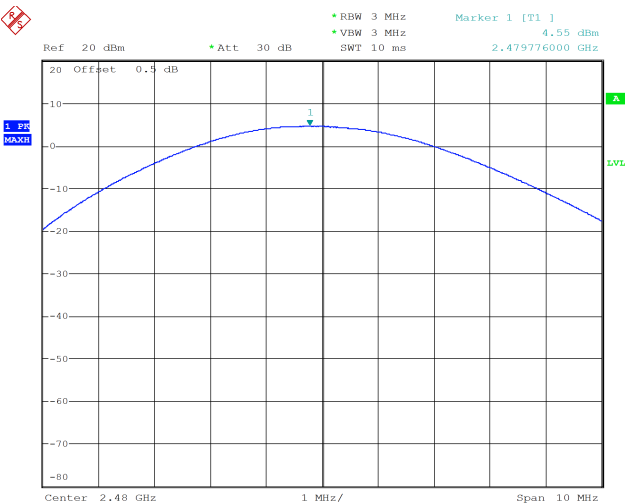
Middle 3.92 dBm



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:13:08

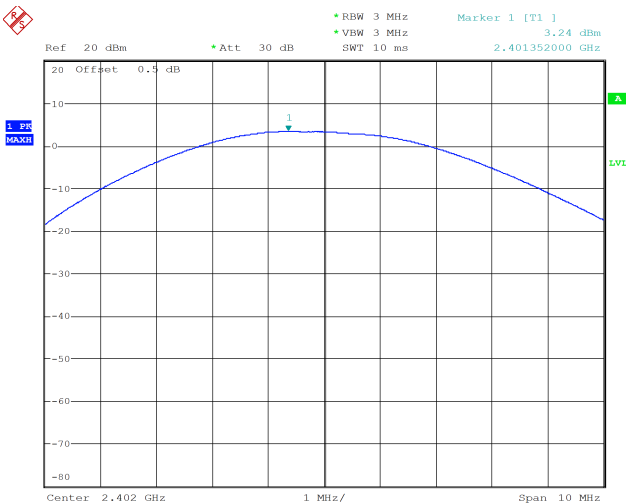
BLE 2M

High 4.55 dBm



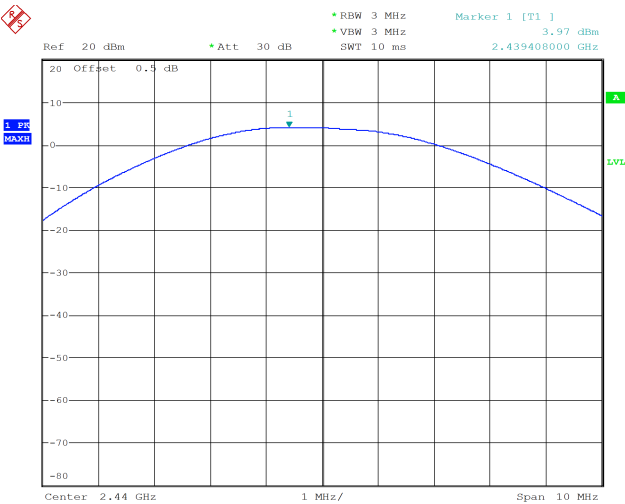
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:15:08

Low 3.24 dBm



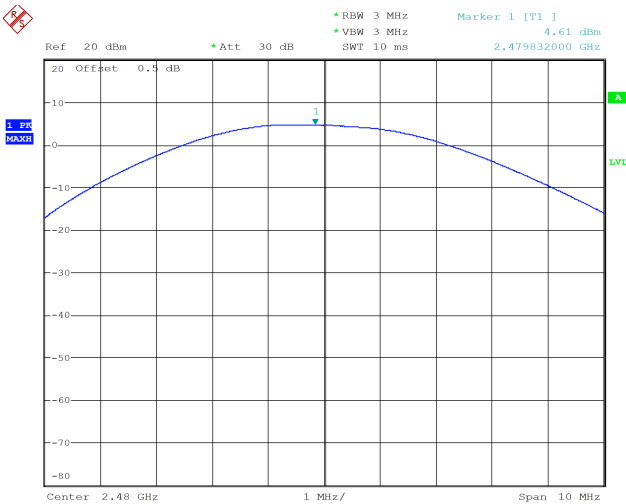
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:18:02

Middle 3.97 dBm



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:21:19

High 4.61 dBm



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:24:44

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

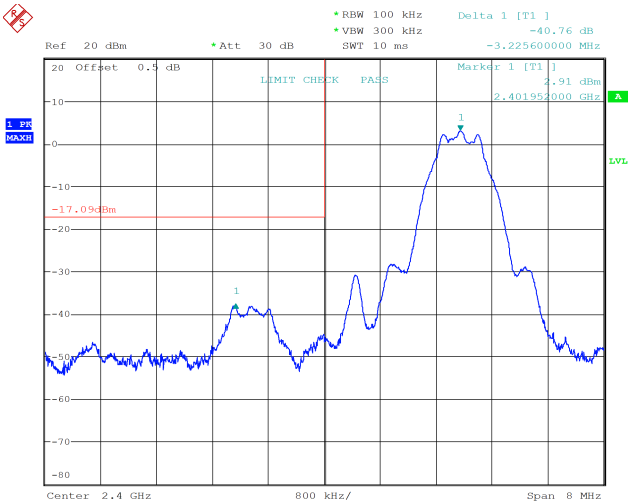
Mode	Value (dB)	Limit (dB)	Result
Low	40.76	20.00	Pass
High	44.62	20.00	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	32.61	20.00	Pass
High	48.89	20.00	Pass

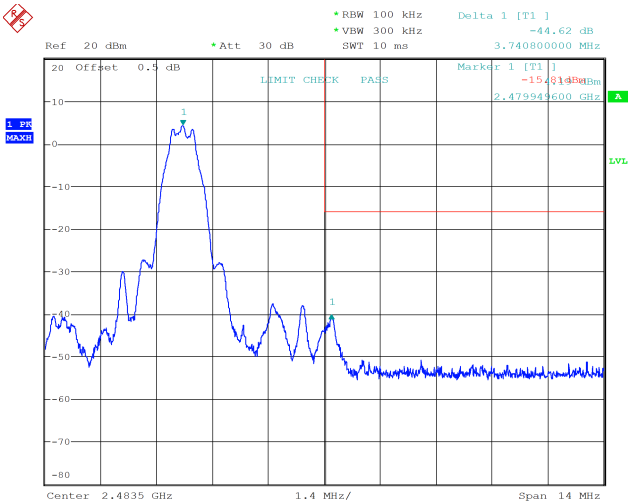
BLE 1M

Low 40.76 dB



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:11:15

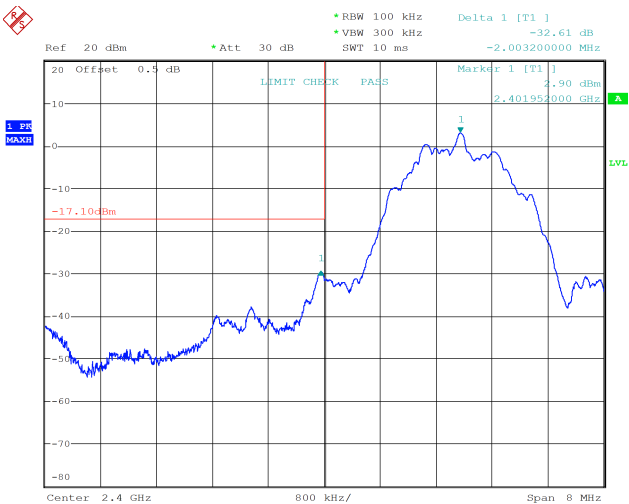
High 44.62 dB



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:16:19

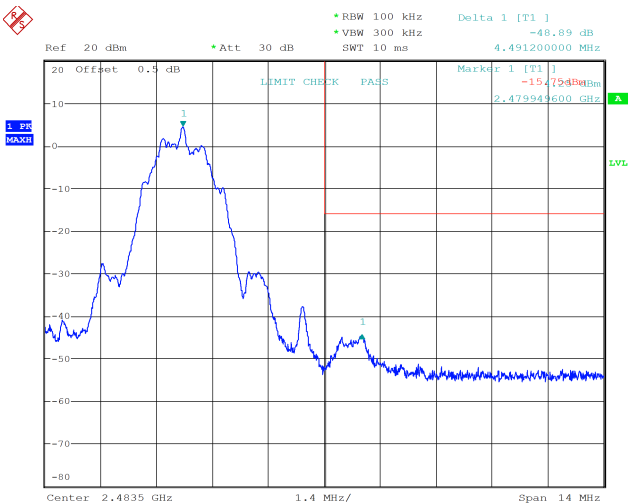
BLE 2M

Low 32.61 dB



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:18:51

High 48.89 dB



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:26:11

Power Spectral Density

BLE 1M

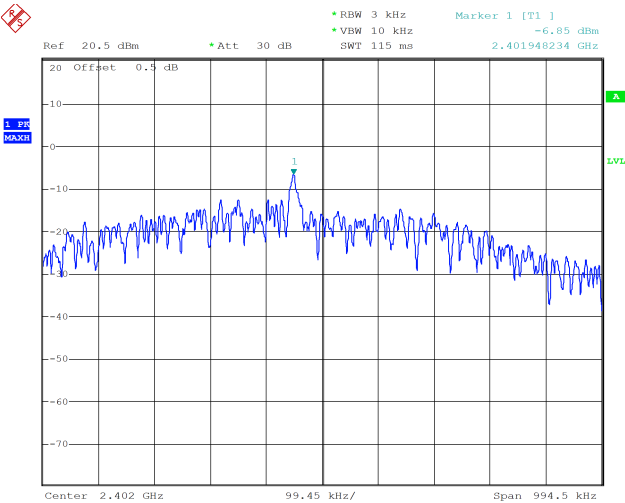
Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-6.85	8.00	Pass
Middle	-7.10	8.00	Pass
High	-5.50	8.00	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-7.51	8.00	Pass
Middle	-7.58	8.00	Pass
High	-6.10	8.00	Pass

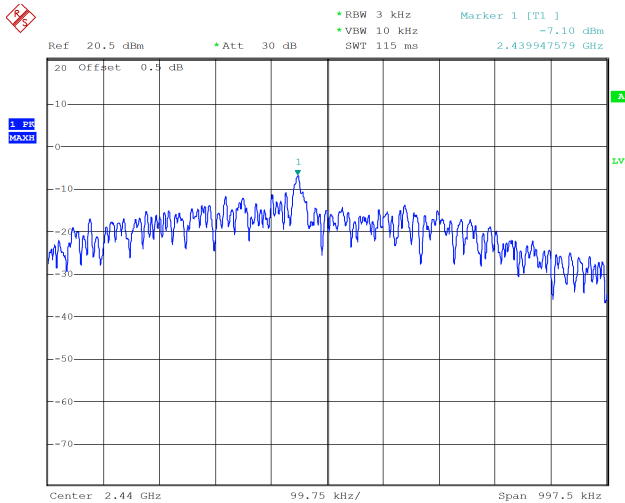
BLE 1M

Low -6.85 dBm/3kHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:12:33

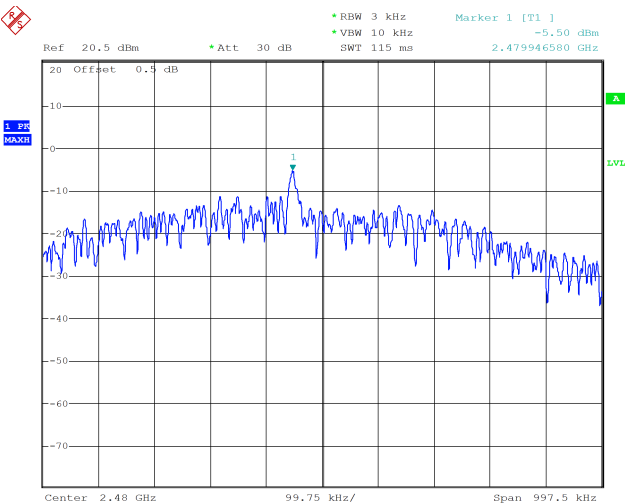
Middle -7.10 dBm/3kHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:14:34

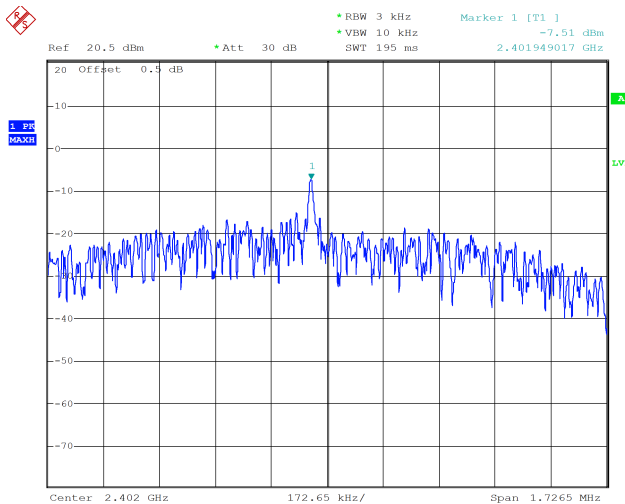
BLE 2M

High -5.50 dBm/3kHz



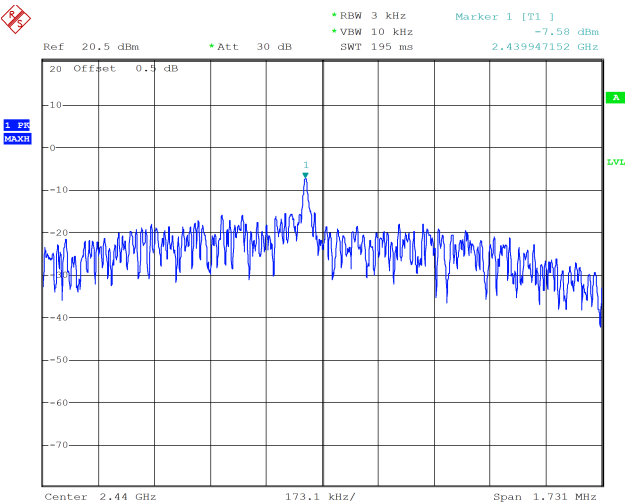
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:17:30

Low -7.51 dBm/3kHz



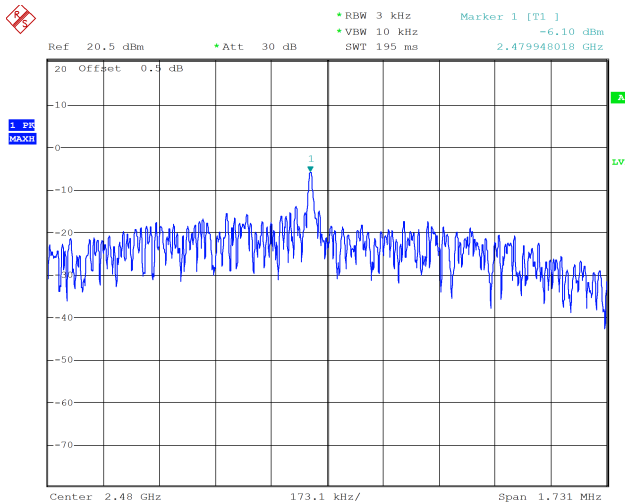
Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:20:16

Middle -7.58 dBm/3kHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:23:06

High -6.10 dBm/3kHz



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:27:39

Duty Cycle

BLE 1M

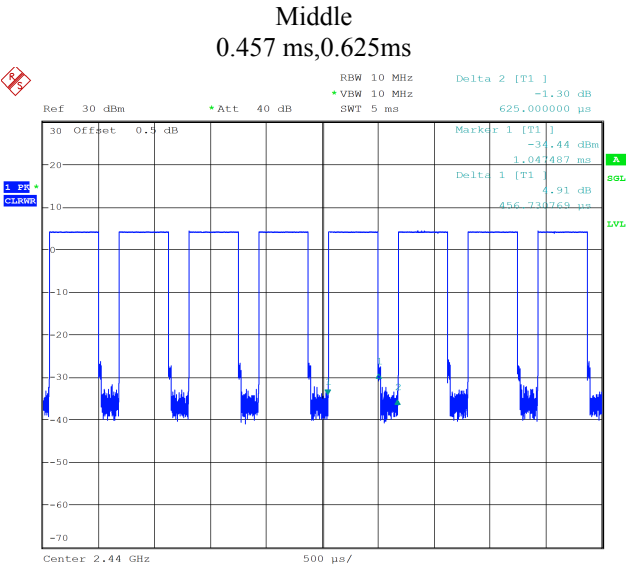
Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.457	0.625	73.12	2188	3

BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.296	0.625	47.36	3378	5

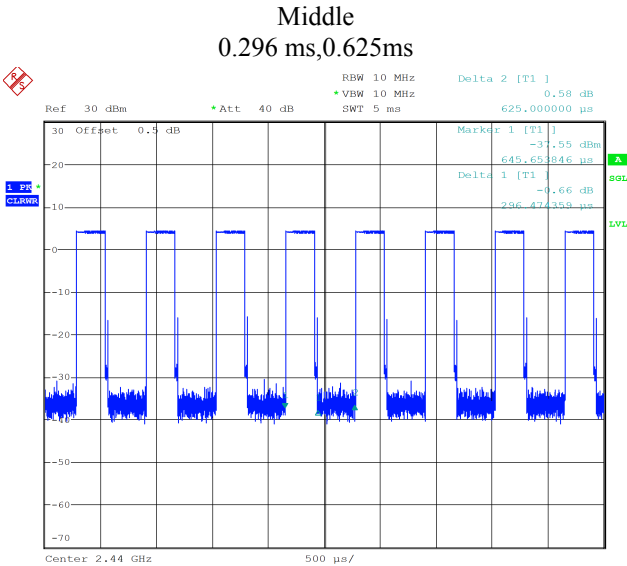
Duty Cycle = Ton/(Ton+Toff)*100%

BLE 1M



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:06:48

BLE 2M



Comment: ProjectNo.:CR240104182-RF Tester:Lingling Li
Date: 2.FEB.2024 20:09:41