

FCC Part 15.247

Test Information:

Serial No.:	21ZQ-1	Test Date:	2024/03/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.9	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.9
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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	211003	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).

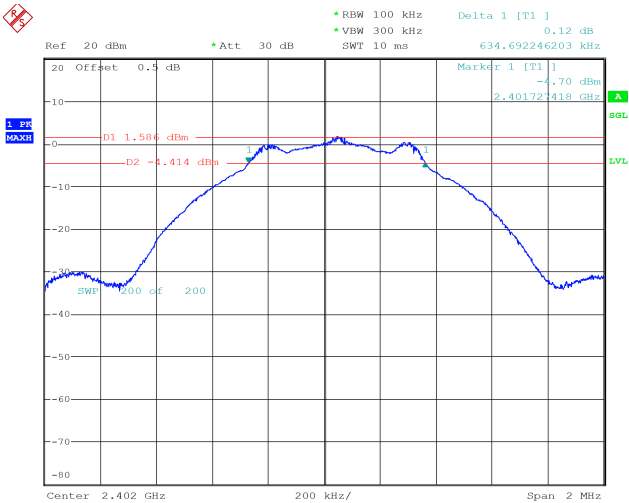
6dB Emission Bandwidth

BLE 1M

Mode	Value (MHz)	Limit (MHz)	Result
Low	0.635	0.5	Pass
Middle	0.633	0.5	Pass
High	0.633	0.5	Pass

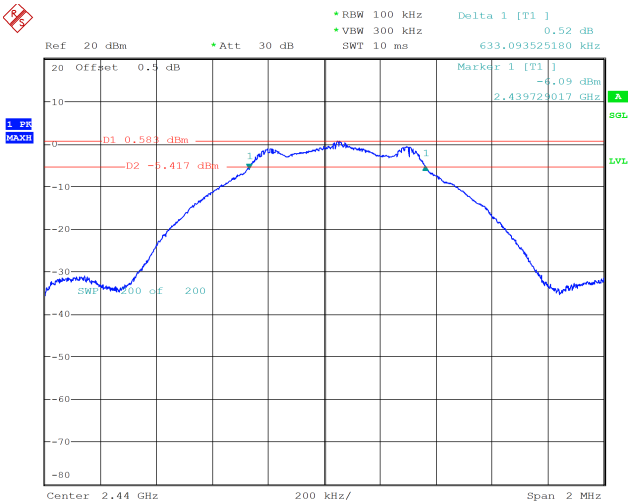
BLE 1M

Low 0.635 MHz



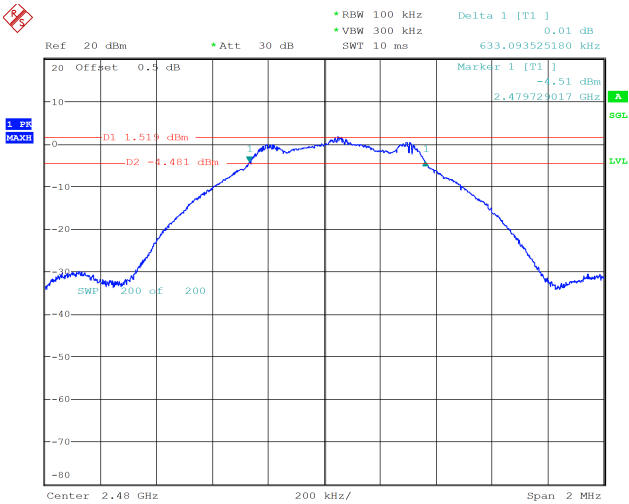
Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:42:04

Middle 0.633 MHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:50:13

High 0.633 MHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:54:32

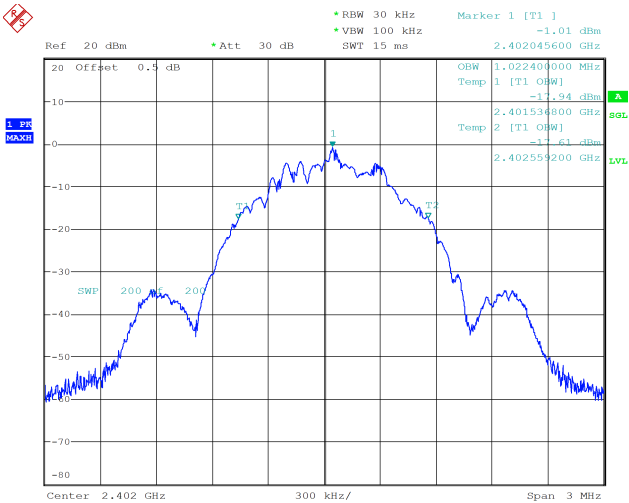
99% Occupied Bandwidth

BLE 1M

Mode	99% OBW (MHz)
Low	1.022
Middle	1.022
High	1.022

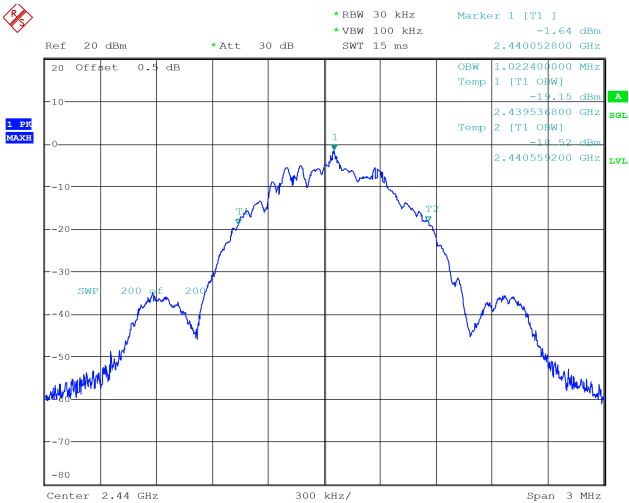
BLE 1M

Low 1.022 MHz



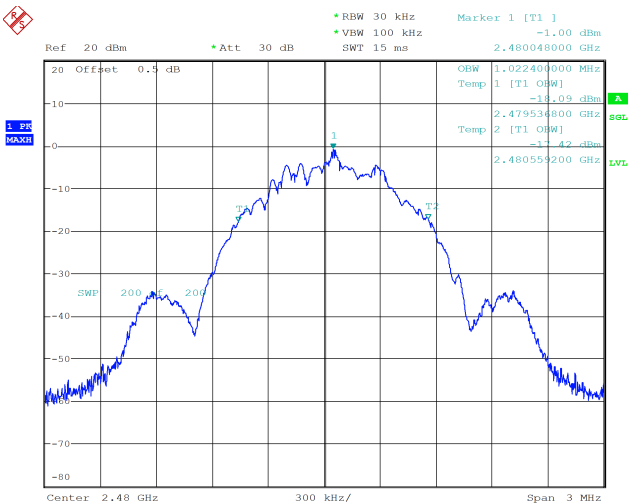
Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:42:27

Middle 1.022 MHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:50:36

High 1.022 MHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:54:54

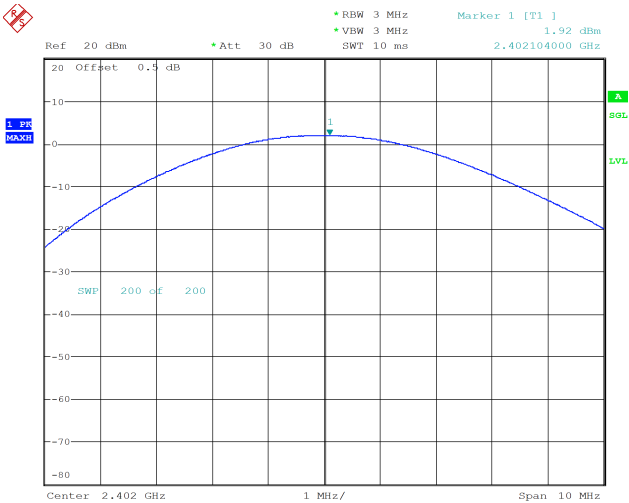
Maximum Conducted Output Power

BLE 1M

Mode	Value (dBm)	Limit (dBm)	Result
Low	1.92	30.00	Pass
Middle	1.00	30.00	Pass
High	1.94	30.00	Pass

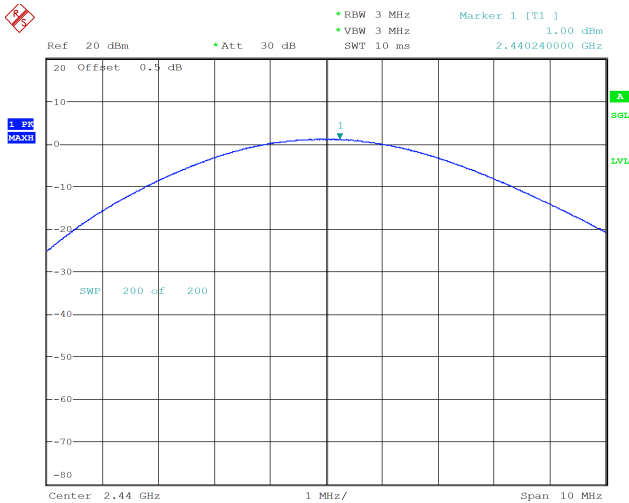
BLE 1M

Low 1.92 dBm



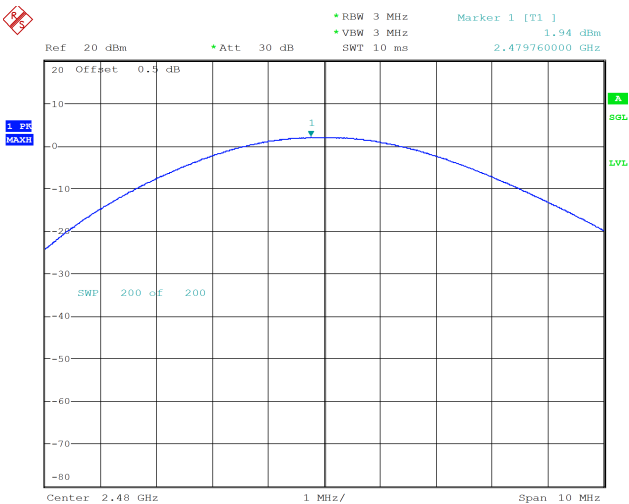
Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:46:27

Middle 1.00 dBm



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:52:23

High 1.94 dBm



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:55:42

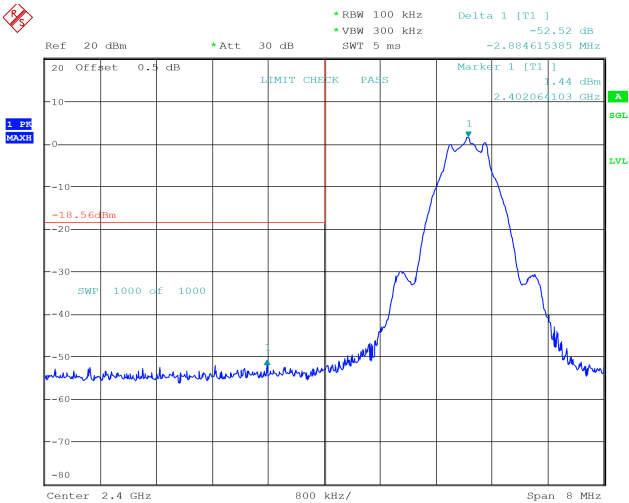
100 kHz Bandwidth of Frequency Band Edge

BLE 1M

Mode	Value (dB)	Limit (dB)	Result
Low	52.52	20.00	Pass
High	53.07	20.00	Pass

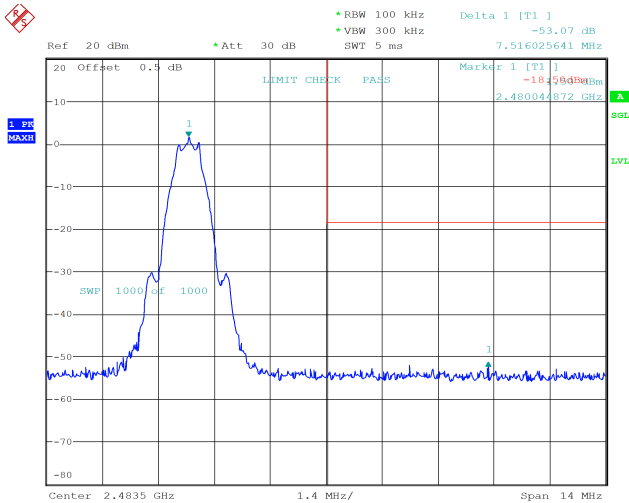
BLE 1M

Low 52.52 dB



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:49:03

High 53.07 dB



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:54:09

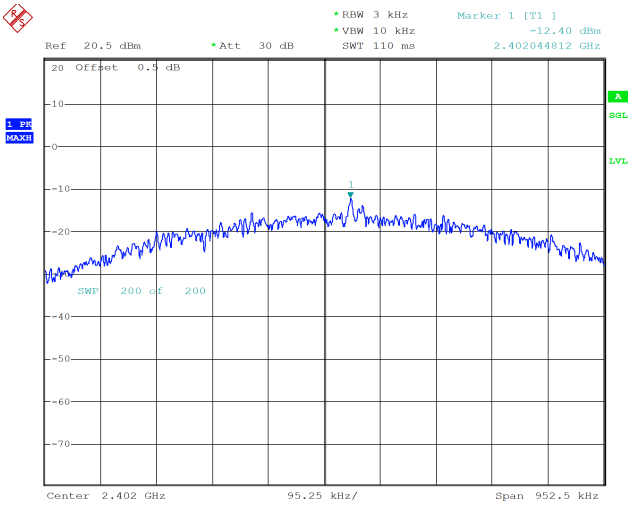
Power Spectral Density

BLE 1M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-12.40	8.00	Pass
Middle	-13.31	8.00	Pass
High	-12.06	8.00	Pass

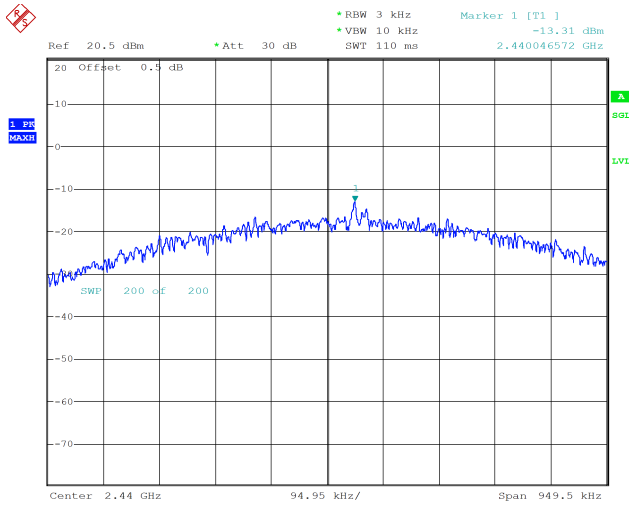
BLE 1M

Low -12.40 dBm/3kHz



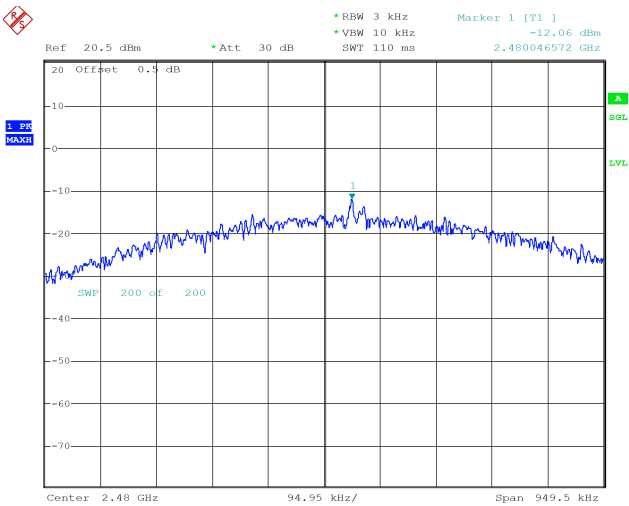
Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:47:01

Middle -13.31 dBm/3kHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:52:57

High -12.06 dBm/3kHz



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:56:15

Duty Cycle

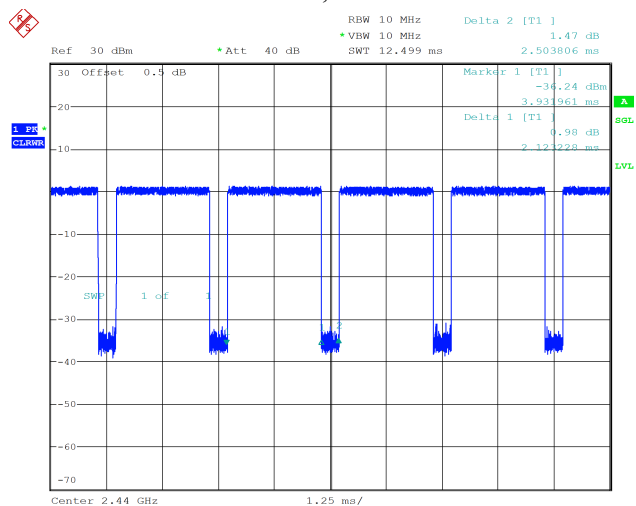
BLE 1M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.123	2.504	84.78	471	0.50

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

BLE 1M

Middle
2.123 ms,2.504ms



Comment: ProjectNo.:CR240314516-RF Tester:Lingling Li
Date: 26.MAR.2024 13:52:01