

FCC Part 15.247

Test Information:

Serial No.:	2DXO-7	Test Date:	2024/01/03
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	54	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	211001	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

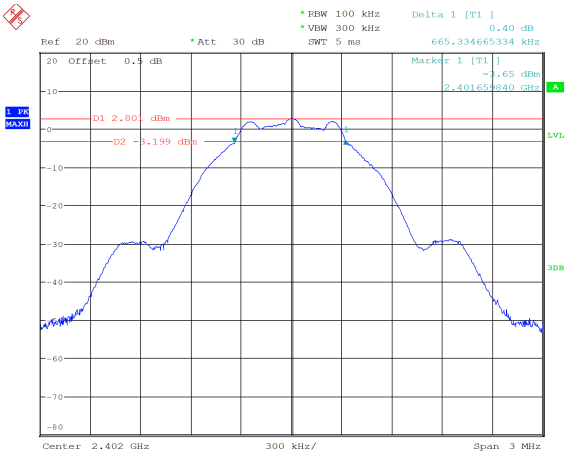
Mode	Value (MHz)	Limit (MHz)	Result
Low	0.665	0.5	Pass
Middle	0.662	0.5	Pass
High	0.668	0.5	Pass

BLE 2M

Mode	Value (MHz)	Limit (MHz)	Result
Low	0.974	0.5	Pass
Middle	1.130	0.5	Pass
High	0.968	0.5	Pass

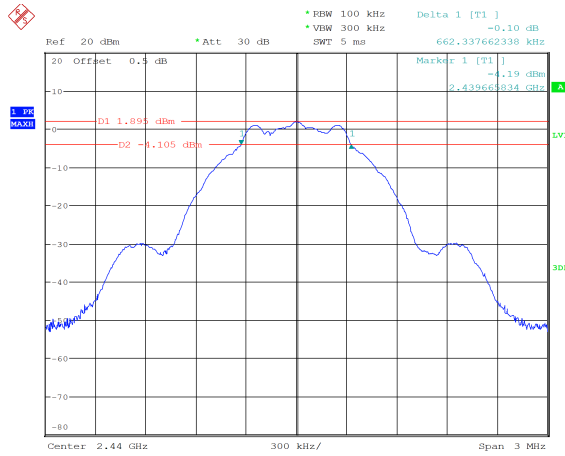
BLE 1M

Low 0.665 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:51:47

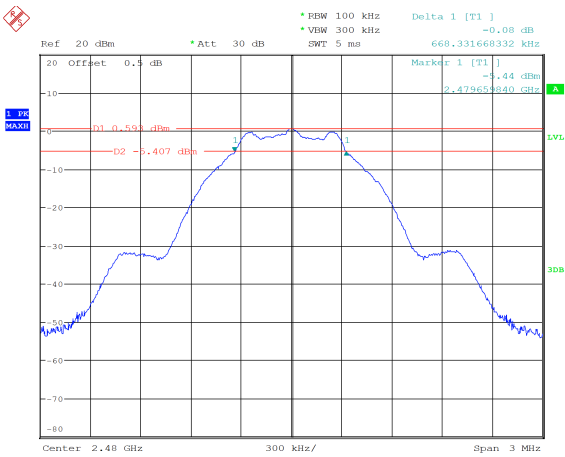
Middle 0.662 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:54:00

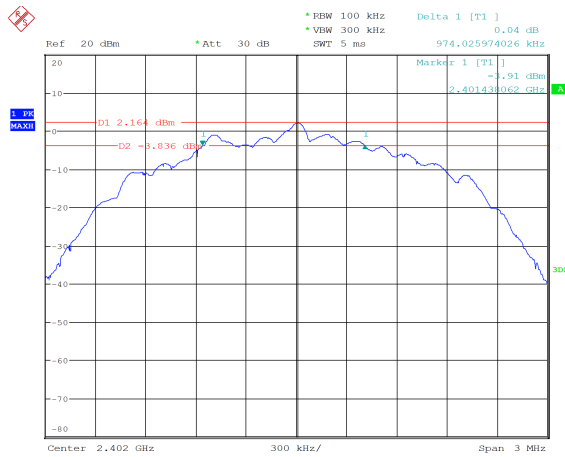
BLE 2M

High 0.668 MHz



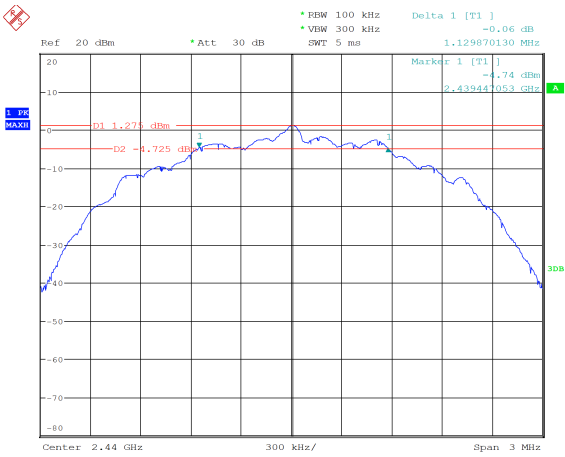
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:57:51

Low 0.974 MHz



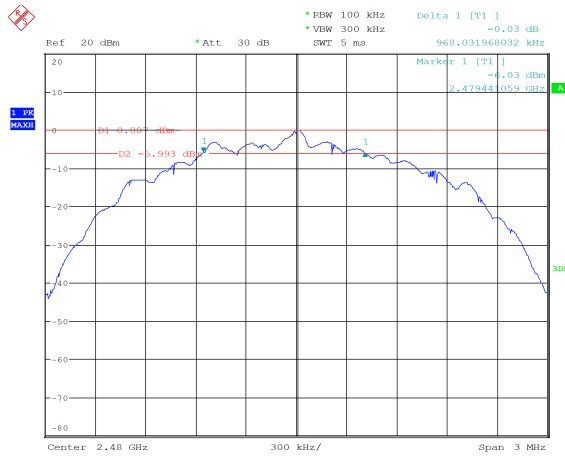
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:11:52

Middle 1.130 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:12:54

High 0.968 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:13:42

99% Occupied Bandwidth**BLE 1M**

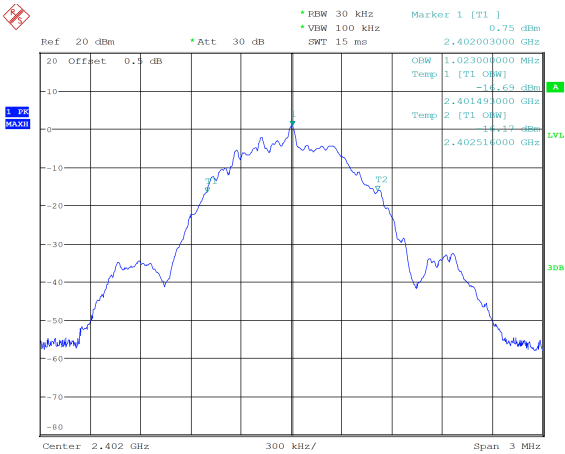
Mode	99% OBW (MHz)
Low	1.023
Middle	1.032
High	1.026

BLE 2M

Mode	99% OBW (MHz)
Low	2.064
Middle	2.046
High	2.046

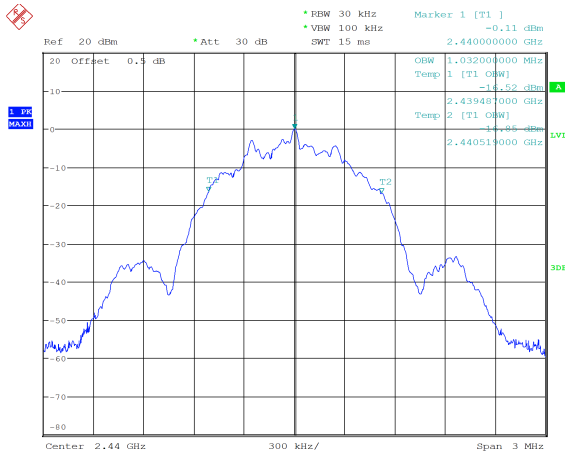
BLE 1M

Low 1.023 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:52:14

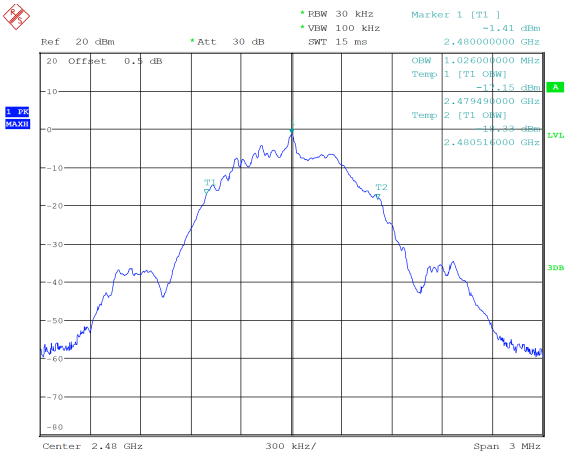
Middle 1.032 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:54:29

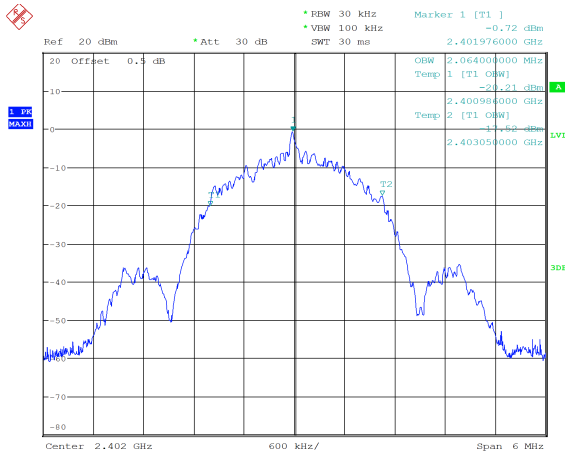
BLE 2M

High 1.026 MHz



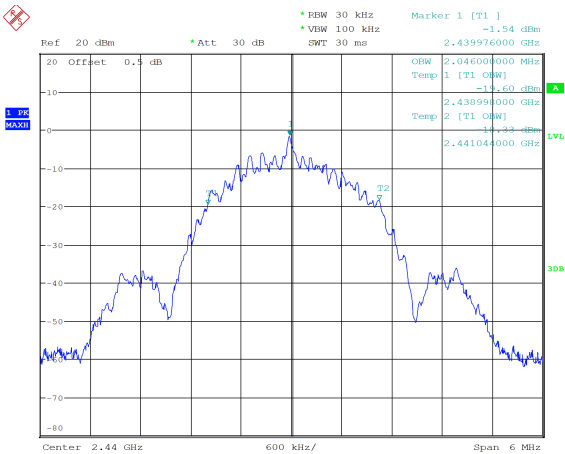
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:58:20

Low 2.064 MHz



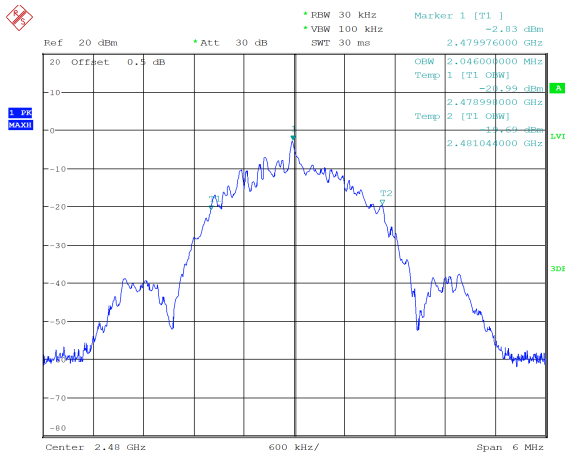
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:00:51

Middle 2.046 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:02:18

High 2.046 MHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:05:34

Maximum Conducted Output Power**BLE 1M**

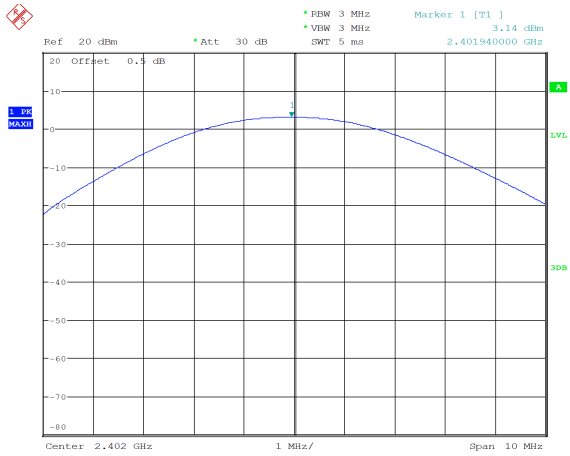
Mode	Value (dBm)	Limit (dBm)	Result
Low	3.14	30.00	Pass
Middle	2.22	30.00	Pass
High	0.92	30.00	Pass

BLE 2M

Mode	Value (dBm)	Limit (dBm)	Result
Low	3.21	30.00	Pass
Middle	2.25	30.00	Pass
High	0.97	30.00	Pass

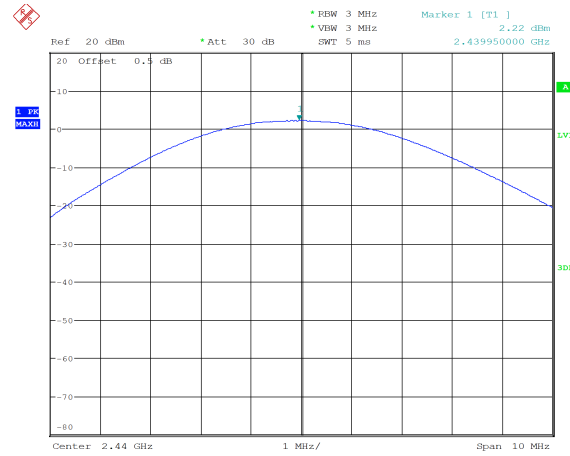
BLE 1M

Low 3.14 dBm



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:50:37

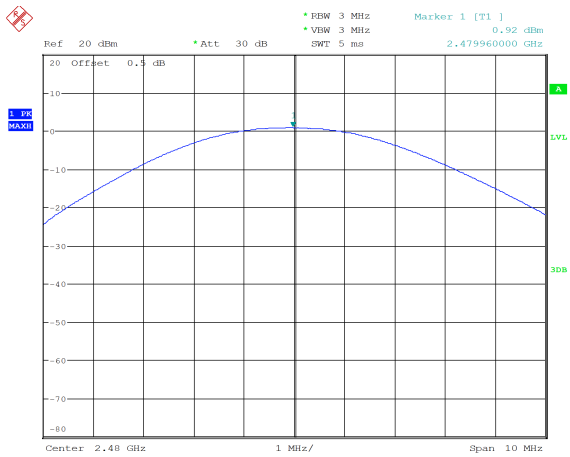
Middle 2.22 dBm



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:53:30

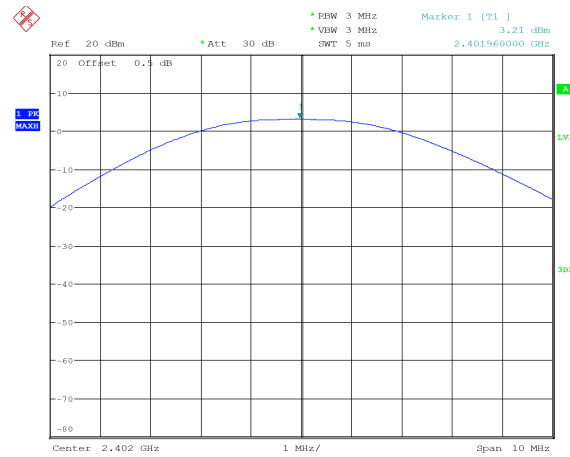
BLE 2M

High 0.92 dBm



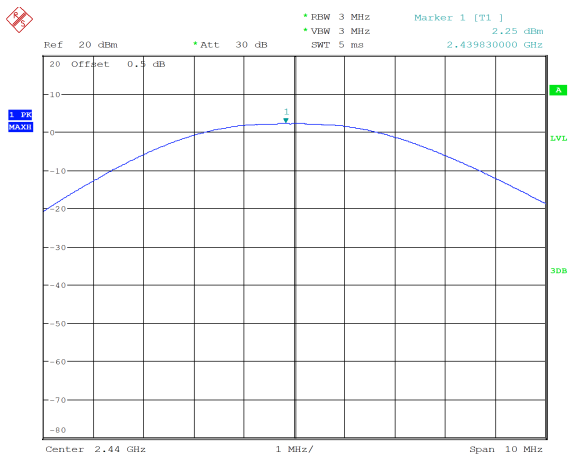
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:56:34

Low 3.21 dBm



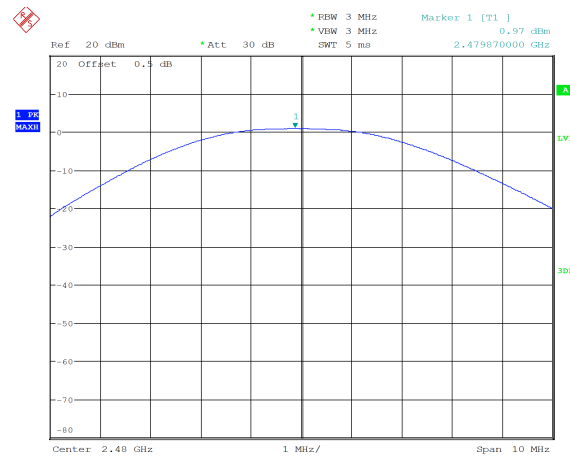
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:59:41

Middle 2.25 dBm



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:01:53

High 0.97 dBm



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:04:24

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

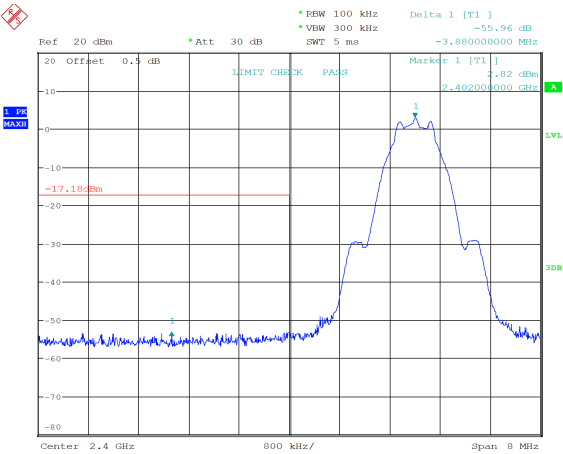
Mode	Value (dB)	Limit (dB)	Result
Low	55.96	20.00	Pass
High	53.86	20.00	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	32.85	20.00	Pass
High	52.39	20.00	Pass

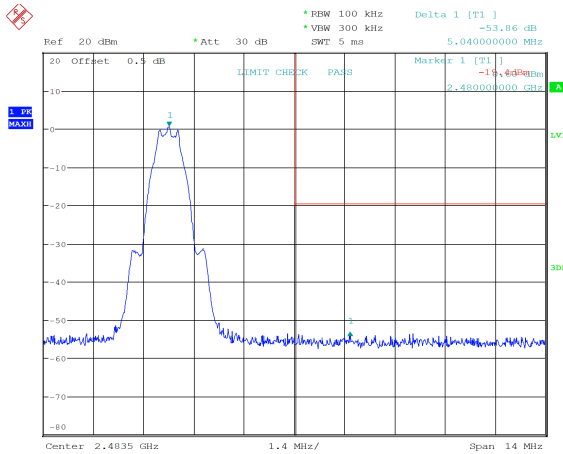
BLE 1M

Low 55.96 dB



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:51:20

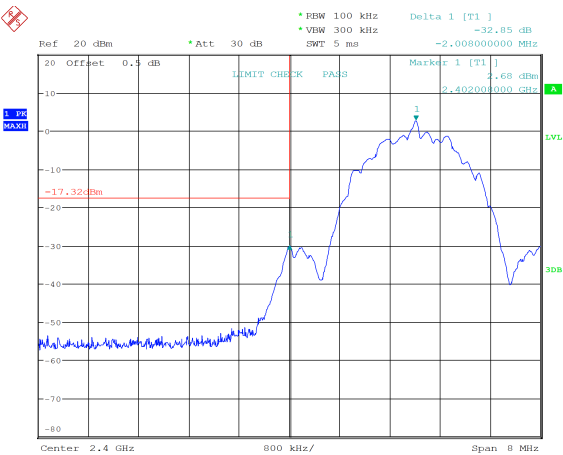
High 53.86 dB



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:57:21

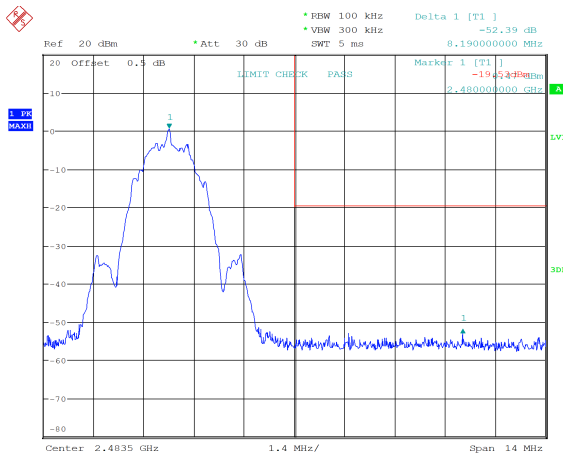
BLE 2M

Low 32.85 dB



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:00:22

High 52.39 dB



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:05:05

Power Spectral Density**BLE 1M**

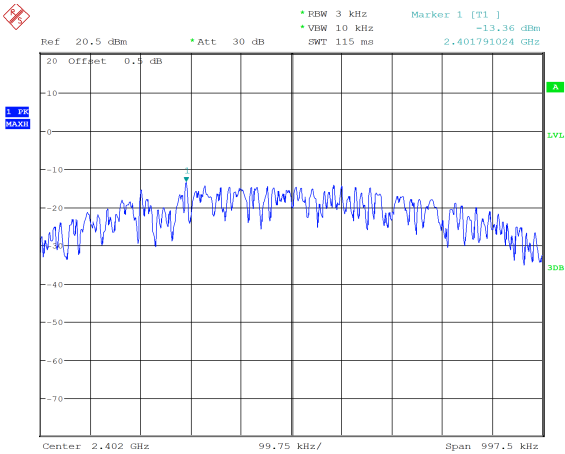
Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-13.36	8.00	Pass
Middle	-12.14	8.00	Pass
High	-14.81	8.00	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-15.13	8.00	Pass
Middle	-15.13	8.00	Pass
High	-17.34	8.00	Pass

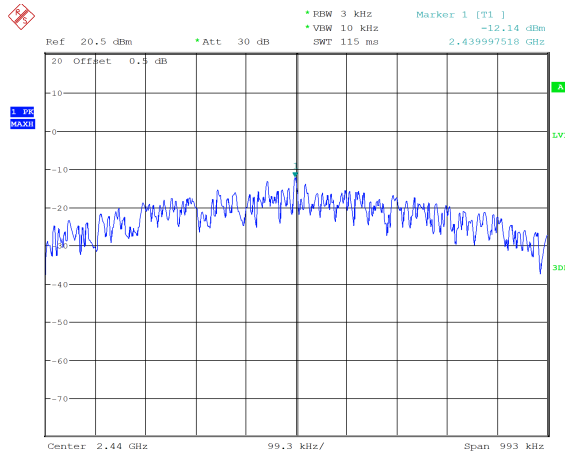
BLE 1M

Low -13.36 dBm/3kHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:52:30

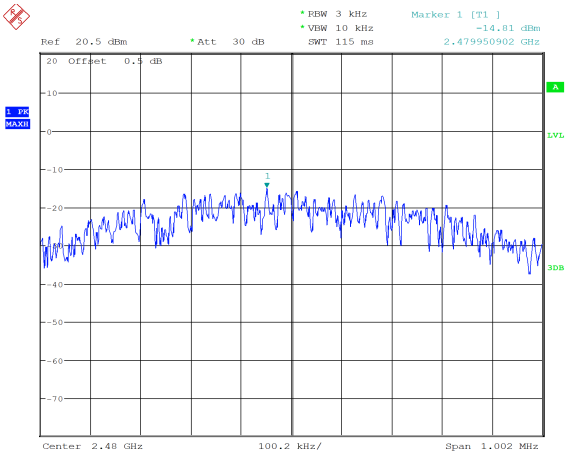
Middle -12.14 dBm/3kHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:55:56

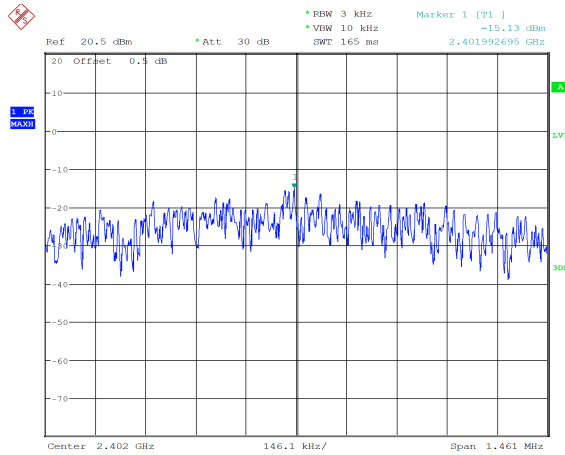
BLE 2M

High -14.81 dBm/3kHz



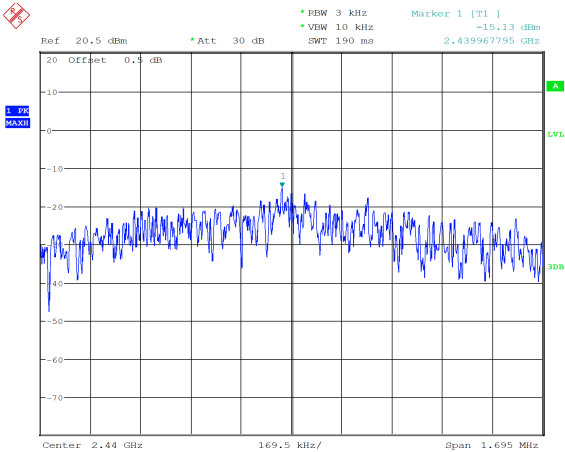
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:58:35

Low -15.13 dBm/3kHz



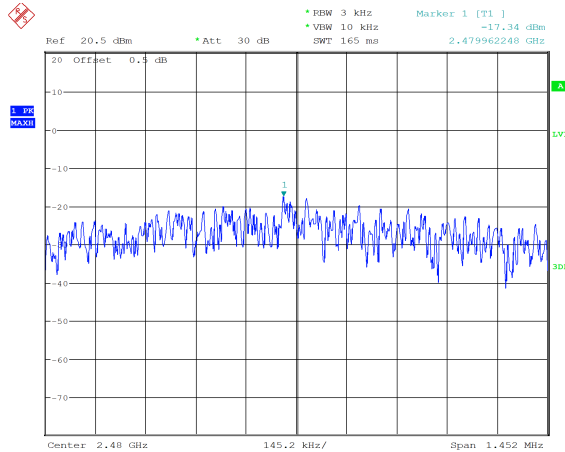
ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:17:42

Middle -15.13dBm/3kHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:18:18

High -17.34 dBm/3kHz



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:18:46

Duty Cycle

BLE 1M

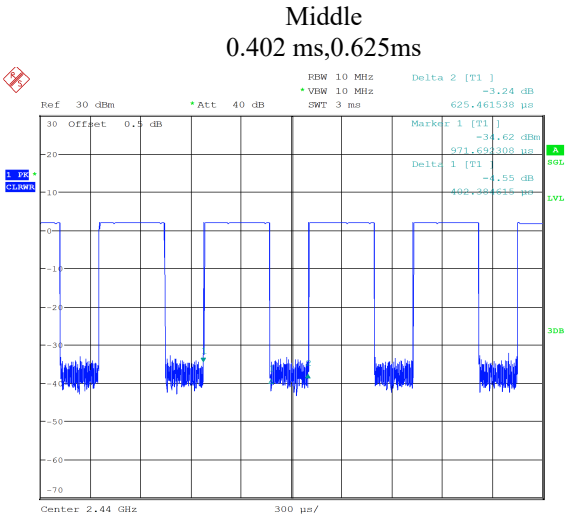
Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.402	0.625	64.33	2488	3

BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.213	0.624	34.21	4695	5

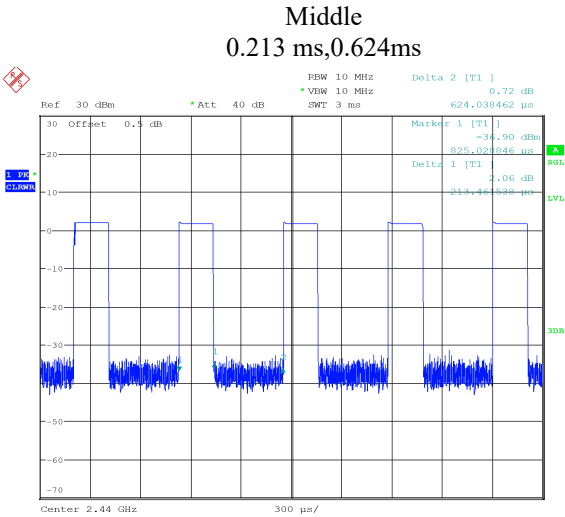
Duty Cycle = Ton/(Ton+Toff)*100%

BLE 1M



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 19:55:41

BLE 2M



ProjectNo.:CR231168373-RF Tester:Arthur Su
Date: 3.JAN.2024 20:03:27