

Test Information:

Sample No.:	2UGN-2	Test Date:	2024/12/20~2024/12/30
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.3-25.9	Relative Humidity: (%)	47-49	ATM Pressure: (kPa)	101.8-102.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
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**

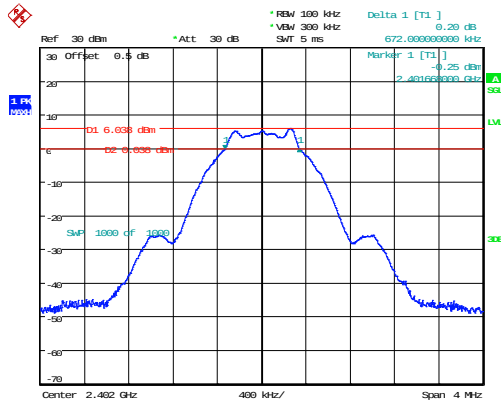
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.672	≥ 0.5	Pass
Middle	0.676	≥ 0.5	Pass
High	0.676	≥ 0.5	Pass

BLE 2M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.254	≥ 0.5	Pass
Middle	1.254	≥ 0.5	Pass
High	1.254	≥ 0.5	Pass

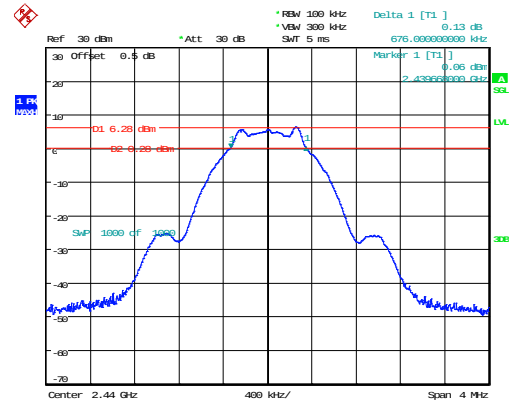
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:52:35

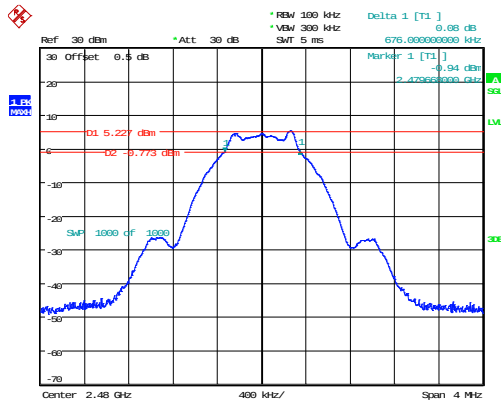
BLE_1M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:54:42

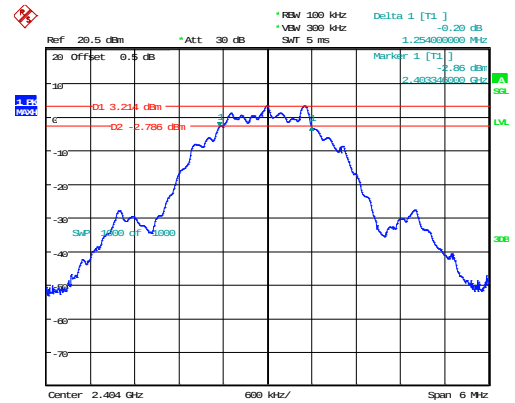
BLE 2M

BLE_1M_High_Channel



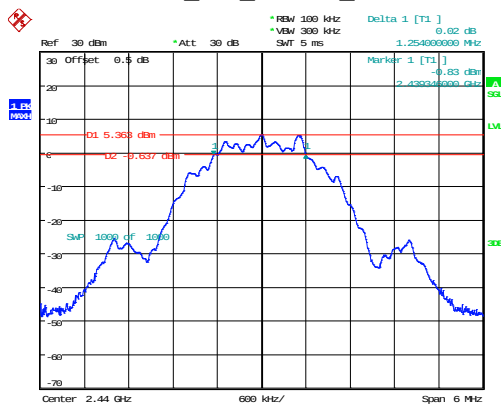
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:59:50

BLE_2M_Low_Channel



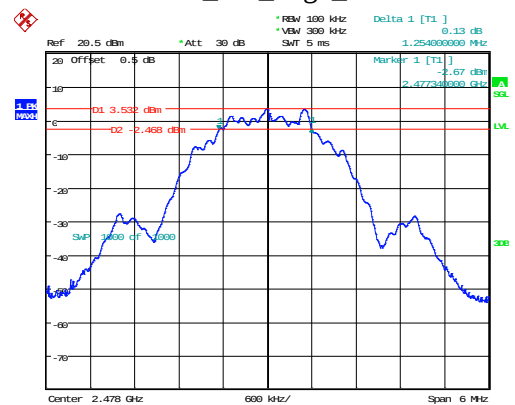
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:37:38

BLE_2M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:12:04

BLE_2M_High_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:41:58

99% Occupied Bandwidth**BLE 1M**

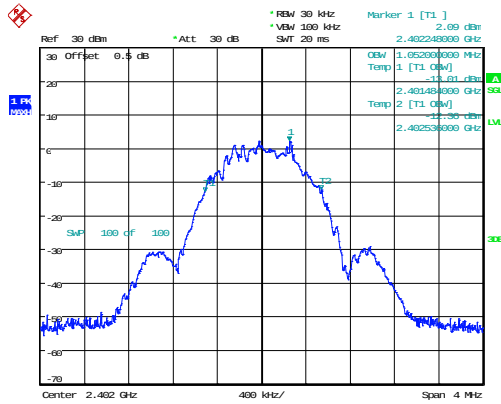
Channel	99% OBW (MHz)
Low	1.052
Middle	1.044
High	1.048

BLE 2M

Channel	99% OBW (MHz)
Low	2.094
Middle	2.082
High	2.082

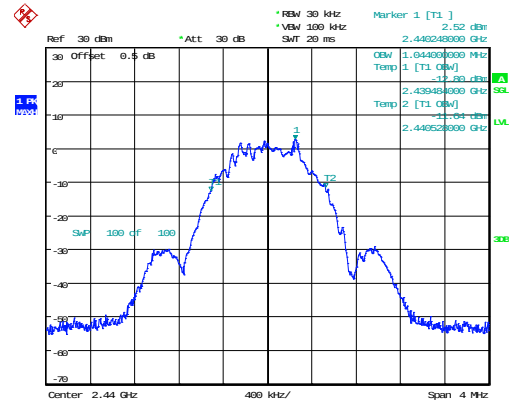
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:52:54

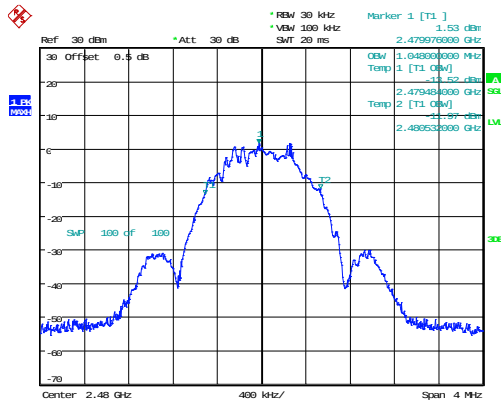
BLE_1M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:55:01

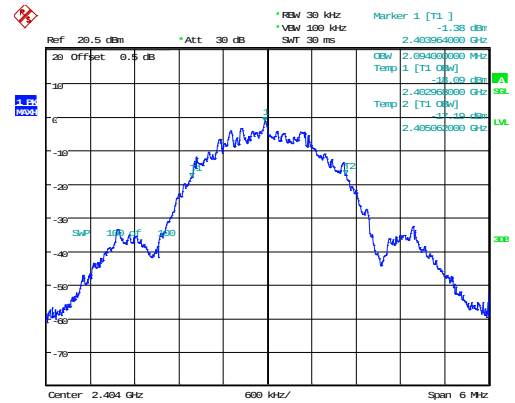
BLE 2M

BLE_1M_High_Channel



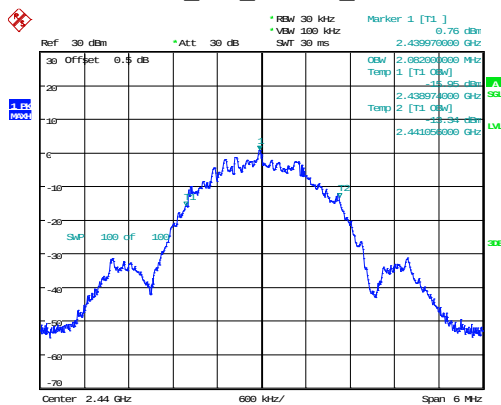
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:00:11

BLE_2M_Low_Channel



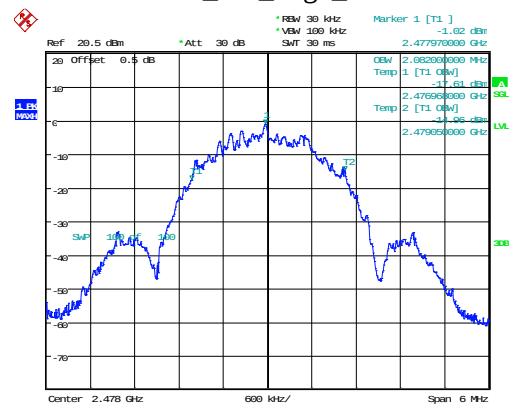
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:37:59

BLE_2M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:12:23

BLE_2M_High_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:42:19

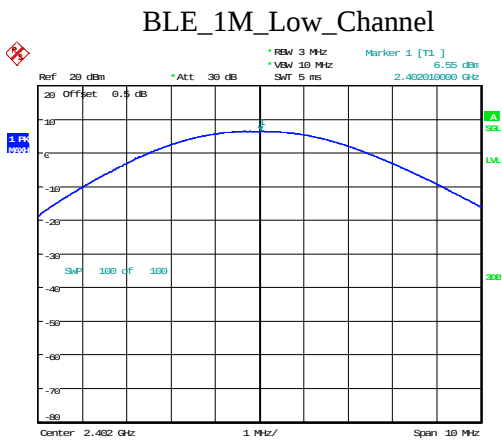
Maximum Conducted Output Power**BLE 1M**

Channel	Result (dBm)	Limit (dBm)	Verdict
Low	6.55	30.00	Pass
Middle	6.84	30.00	Pass
High	5.71	30.00	Pass

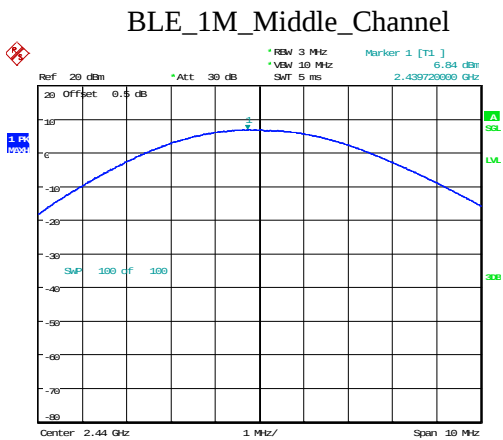
BLE 2M

Channel	Result (dBm)	Limit (dBm)	Verdict
Low	4.72	30.00	Pass
Middle	6.81	30.00	Pass
High	5.08	30.00	Pass

BLE 1M

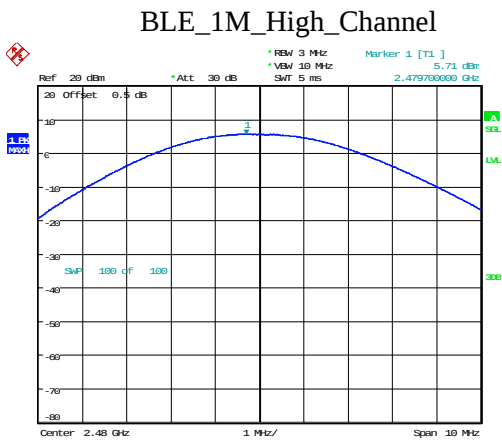


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:53:09

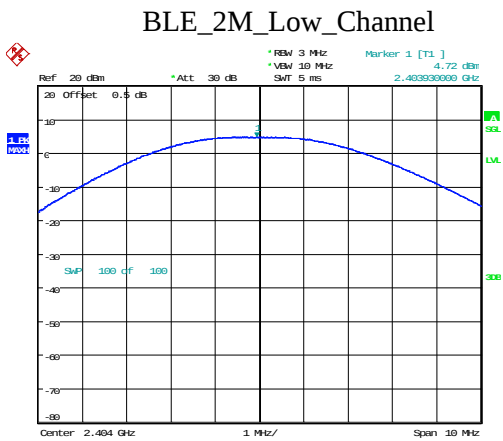


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:56:00

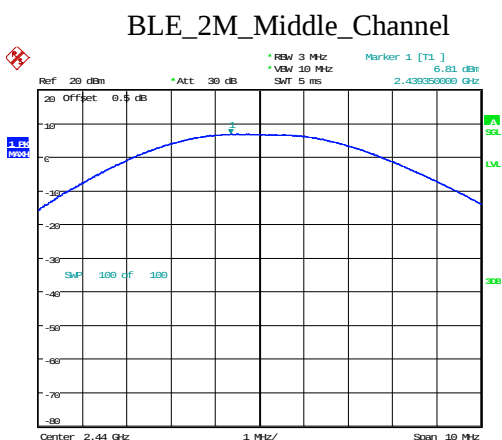
BLE 2M



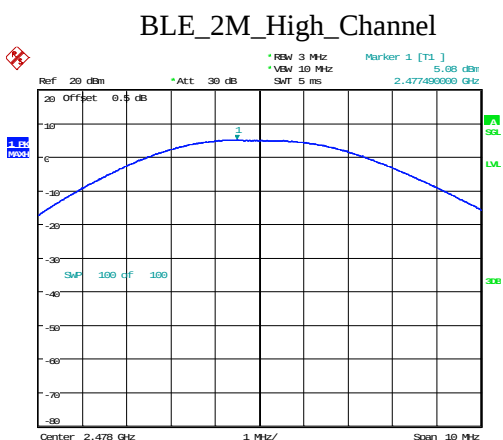
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:00:24



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 17:38:14



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:12:36



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 17:42:33

Power Spectral Density**BLE 1M**

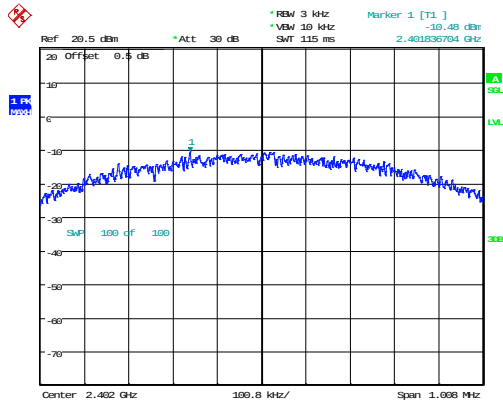
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-10.48	8	Pass
Middle	-10.15	8	Pass
High	-11.19	8	Pass

BLE 2M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-14.50	8	Pass
Middle	-12.36	8	Pass
High	-14.16	8	Pass

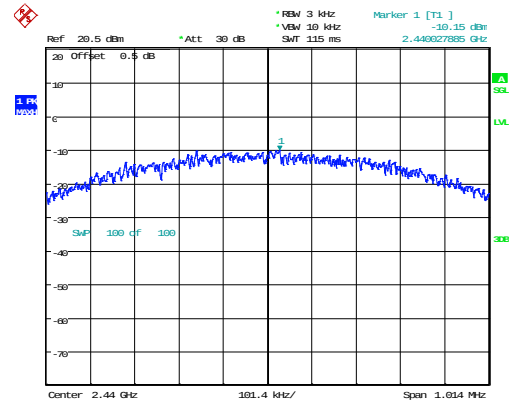
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:53:31

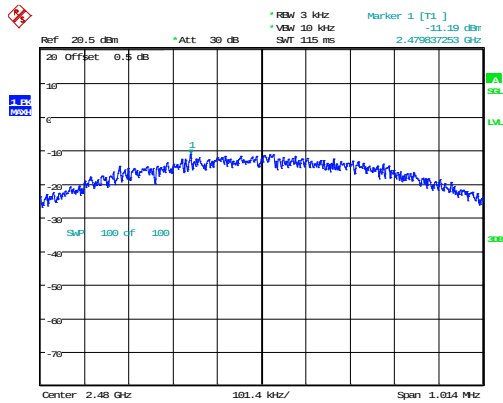
BLE_1M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:56:22

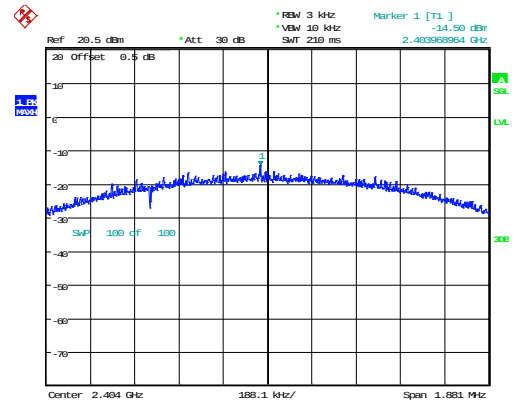
BLE 2M

BLE_1M_High_Channel



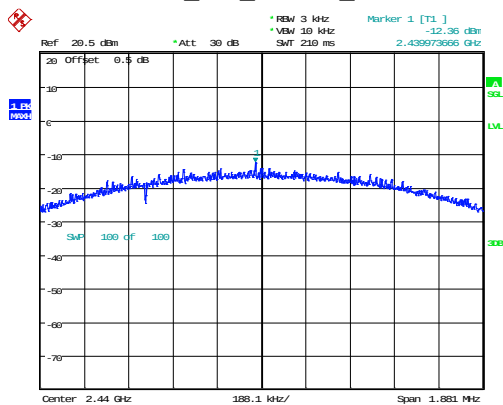
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:00:45

BLE_2M_Low_Channel



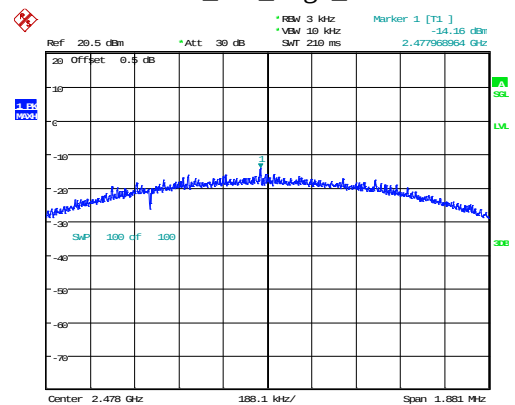
ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:38:45

BLE_2M_Middle_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:13:07

BLE_2M_High_Channel



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:43:05

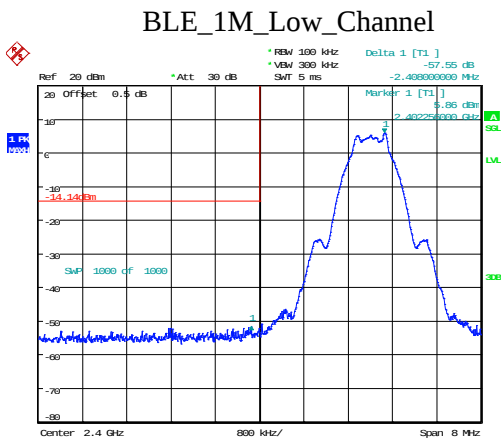
100 kHz Bandwidth of Frequency Band Edge**BLE 1M**

Channel	Result (dB)	Limit (dB)	Verdict
Low	57.55	20	Pass
High	58.18	20	Pass

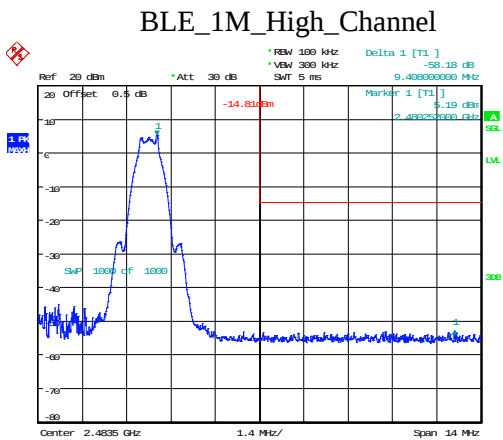
BLE 2M

Channel	Result (dB)	Limit (dB)	Verdict
Low	31.26	20	Pass
High	55.88	20	Pass

BLE 1M

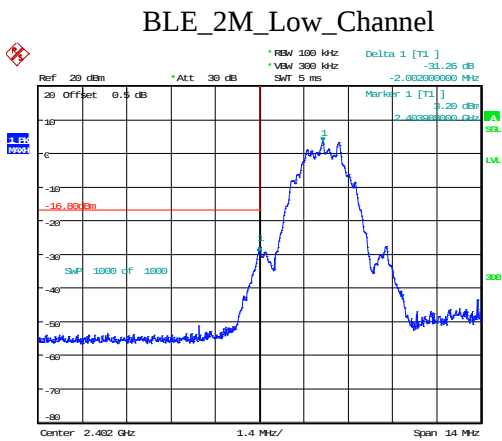


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:47:14

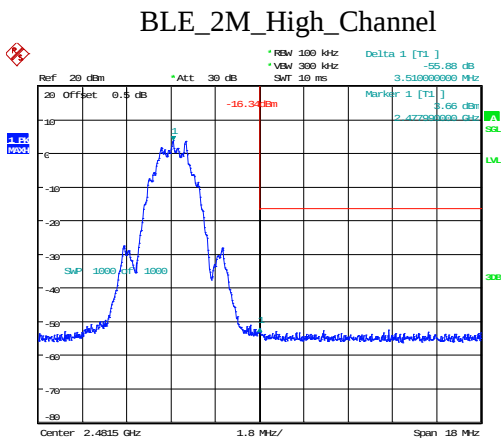


ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 20:58:29

BLE 2M



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:36:39



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 30.DEC.2024 17:40:33

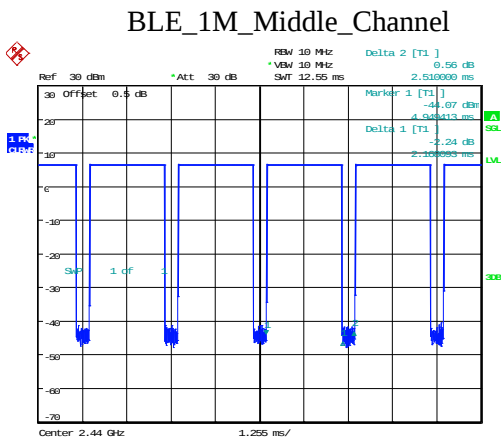
Duty Cycle**BLE 1M**

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.168	2.510	86.37	0.64	461	0.500

BLE 2M

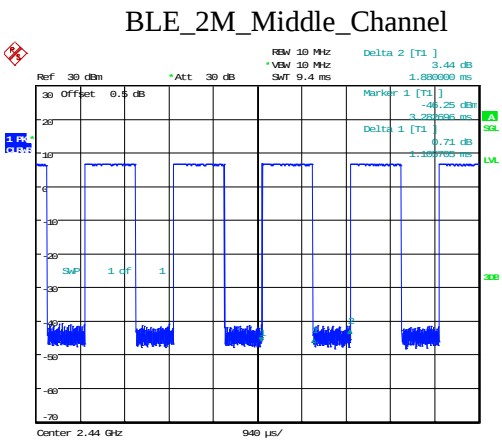
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.106	1.880	58.83	2.30	904	1

BLE 1M



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:09:00

BLE 2M



ProjectNo.:2403Z104805E-RF Tester:Chin Qin
Date: 20.DEC.2024 21:10:10