

Test Information:

Sample No.:	2TLH-2	Test Date:	2024/11/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.1	Relative Humidity: (%)	53	ATM Pressure: (kPa)	101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	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

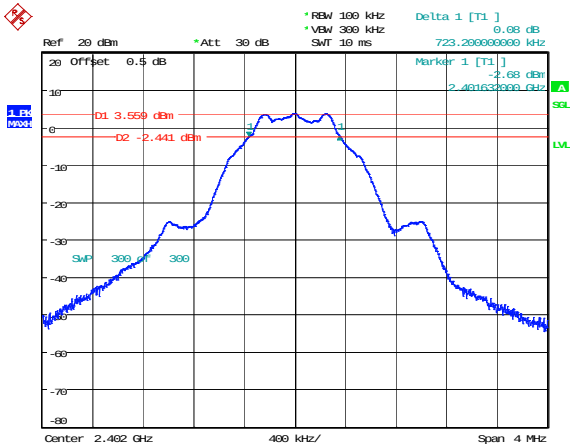
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.723	≥ 0.5	Pass
Middle	0.720	≥ 0.5	Pass
High	0.726	≥ 0.5	Pass

BLE 2M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.110	≥ 0.5	Pass
Middle	1.110	≥ 0.5	Pass
High	1.114	≥ 0.5	Pass

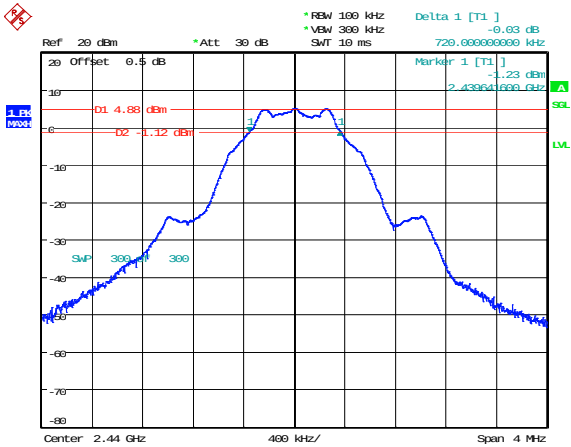
BLE 1M

BLE_1M_Low_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:40:00

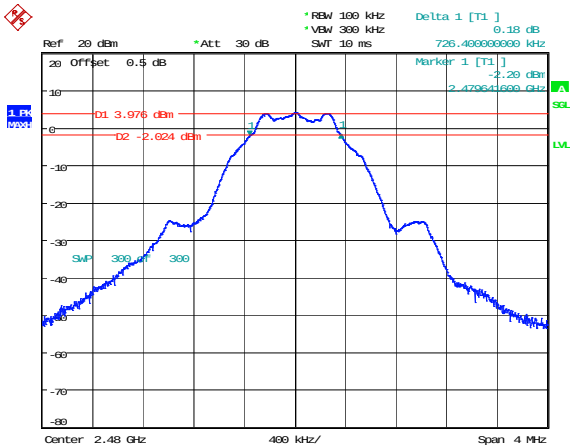
BLE_1M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:42:44

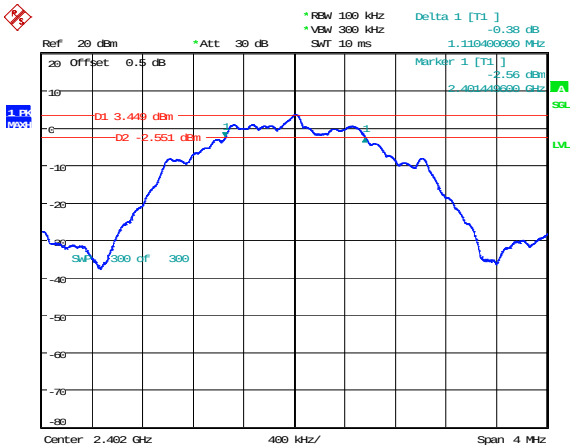
BLE 2M

BLE_1M_High_Channel



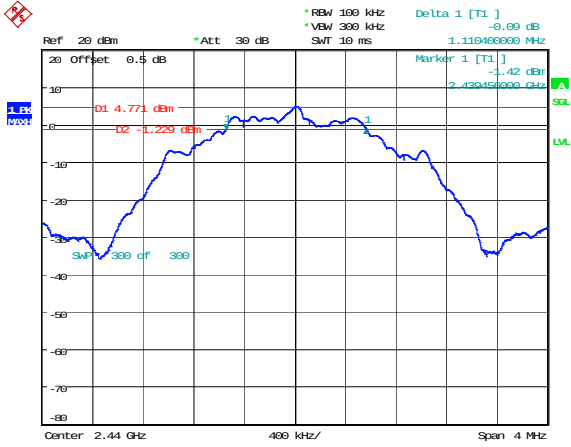
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:44:53

BLE_2M_Low_Channel



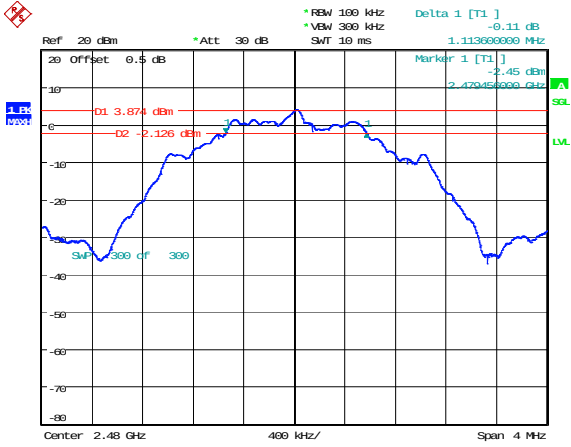
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:48:04

BLE_2M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:50:20

BLE_2M_High_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:53:23

99% Occupied Bandwidth

BLE 1M

Channel	99% OBW (MHz)
Low	1.056
Middle	1.056
High	1.056

BLE 2M

Channel	99% OBW (MHz)
Low	2.069
Middle	2.074
High	2.074

Maximum Conducted Output Power

BLE 1M

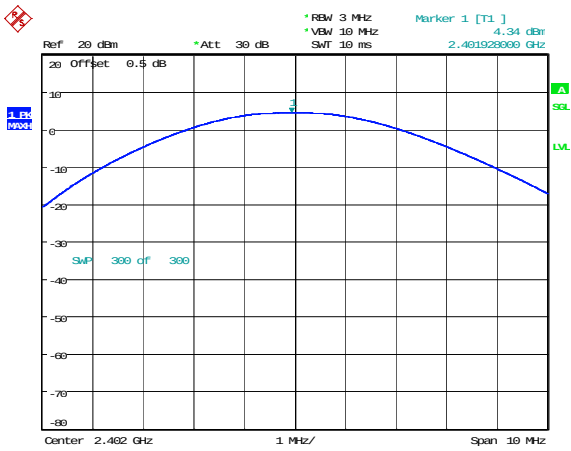
Channel	Result (dBm)	Limit (dBm)	Verdict
Low	4.34	30.00	Pass
Middle	5.66	30.00	Pass
High	4.76	30.00	Pass

BLE 2M

Channel	Result (dBm)	Limit (dBm)	Verdict
Low	4.33	30.00	Pass
Middle	5.64	30.00	Pass
High	4.74	30.00	Pass

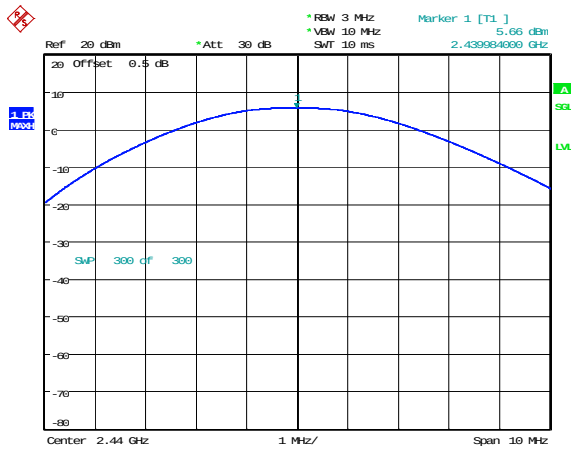
BLE 1M

BLE_1M_Low_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:41:36

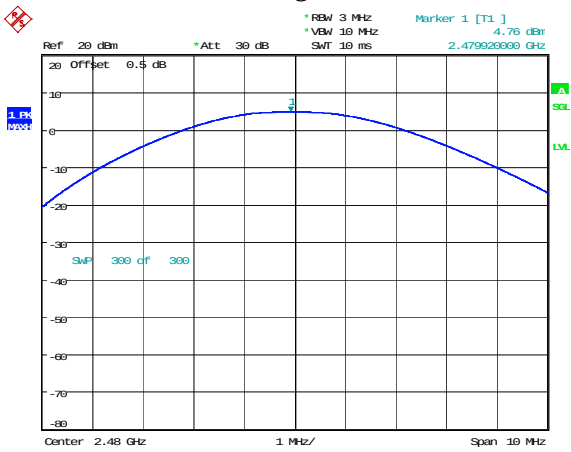
BLE_1M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:43:41

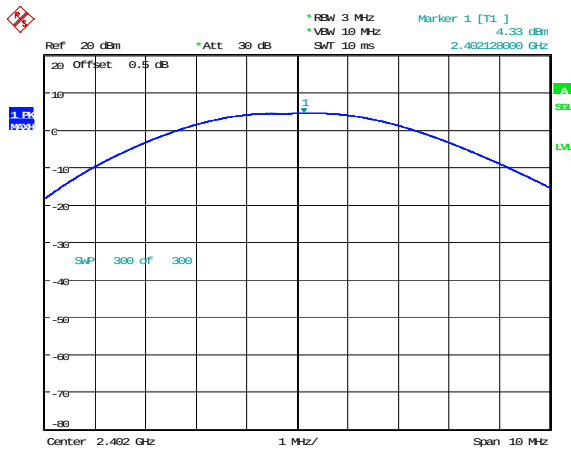
BLE 2M

BLE_1M_High_Channel



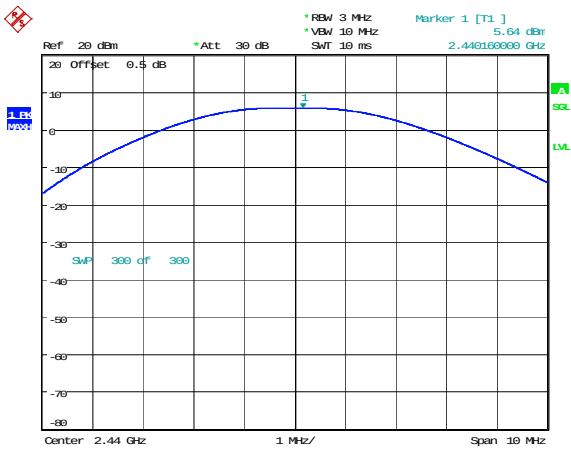
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:45:54

BLE_2M_Low_Channel



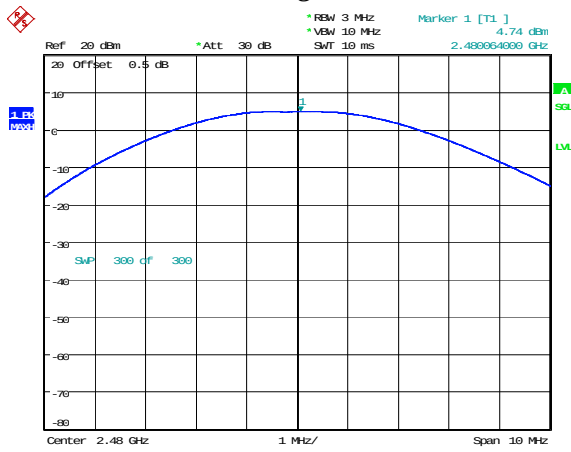
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:49:06

BLE_2M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:51:20

BLE_2M_High_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:54:26

Power Spectral Density

BLE 1M

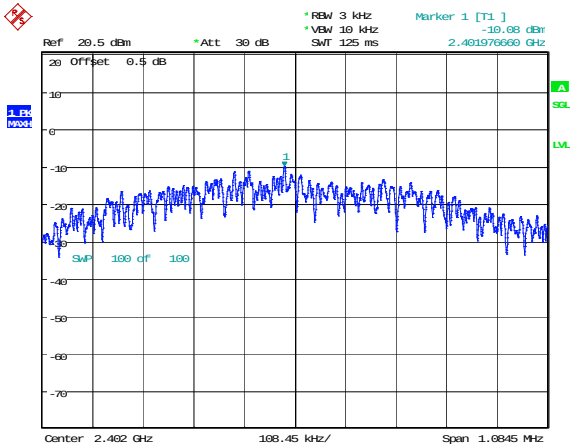
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-10.08	8	Pass
Middle	-8.78	8	Pass
High	-9.69	8	Pass

BLE 2M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-12.91	8	Pass
Middle	-11.42	8	Pass
High	-12.44	8	Pass

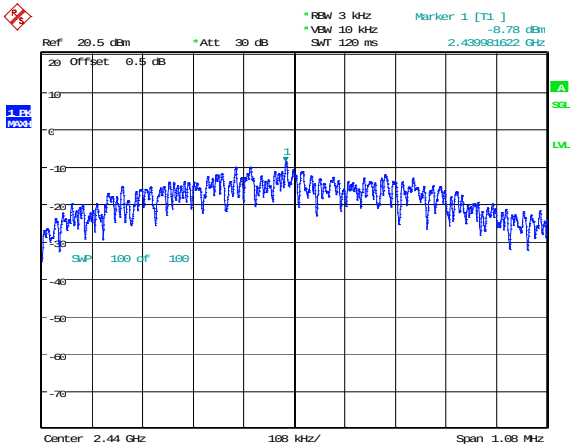
BLE 1M

BLE_1M_Low_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:42:01

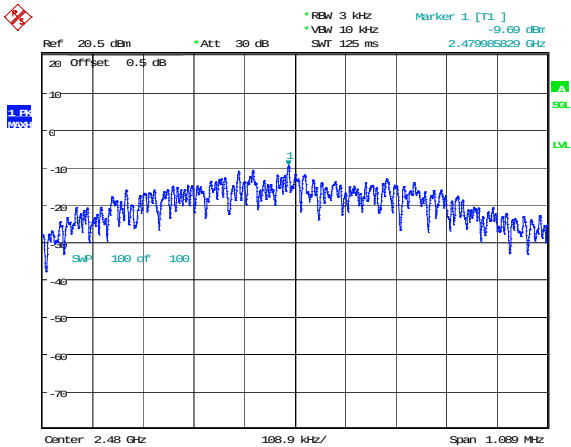
BLE_1M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:44:06

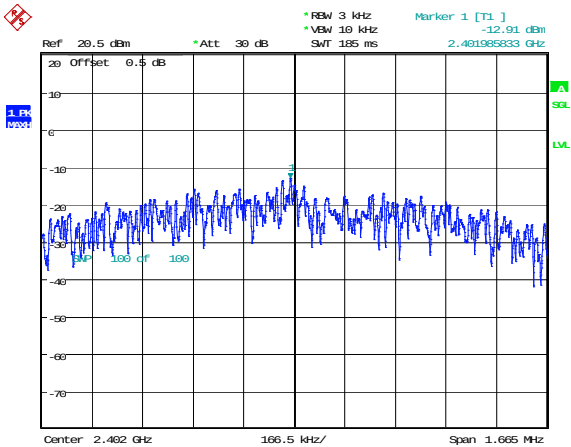
BLE 2M

BLE_1M_High_Channel



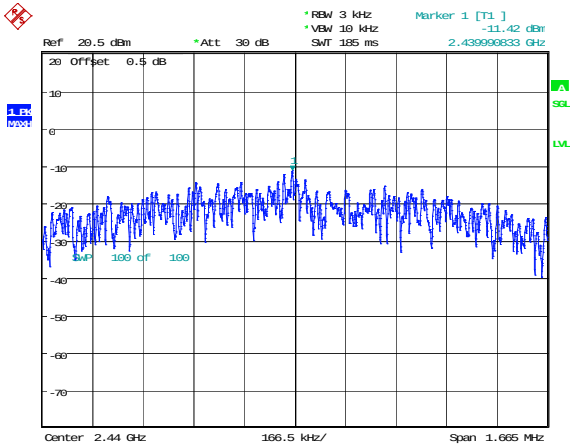
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:46:20

BLE_2M_Low_Channel



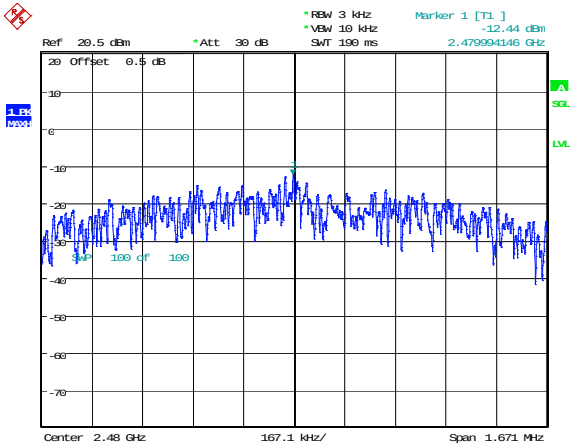
Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:49:39

BLE_2M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:51:51

BLE_2M_High_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:54:59

100 kHz Bandwidth of Frequency Band Edge

BLE 1M

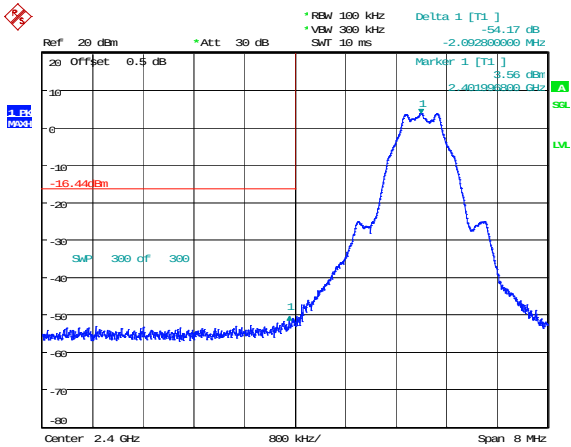
Channel	Result (dB)	Limit (dB)	Verdict
Low	54.17	20	Pass
High	56.67	20	Pass

BLE 2M

Channel	Result (dB)	Limit (dB)	Verdict
Low	31.25	20	Pass
High	55.74	20	Pass

BLE 1M

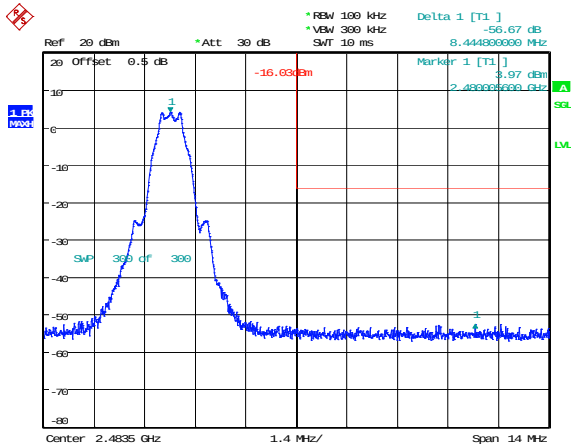
BLE_1M_Low_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li

Date: 6.NOV.2024 16:36:58

BLE_1M_High_Channel

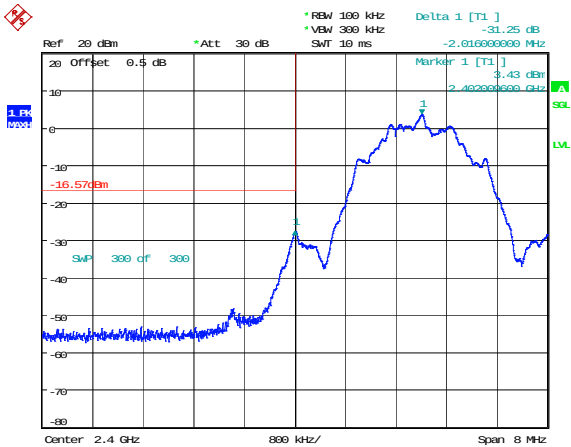


Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li

Date: 6.NOV.2024 16:38:39

BLE 2M

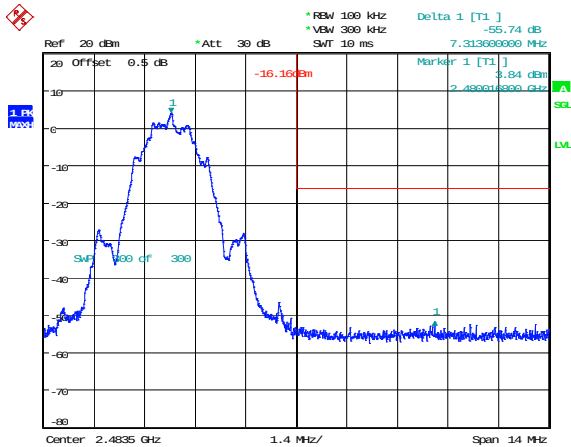
BLE_2M_Low_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li

Date: 6.NOV.2024 16:47:32

BLE_2M_High_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li

Date: 6.NOV.2024 16:52:43

Duty Cycle

BLE 1M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.390	0.625	62.40	2.05	2564	3

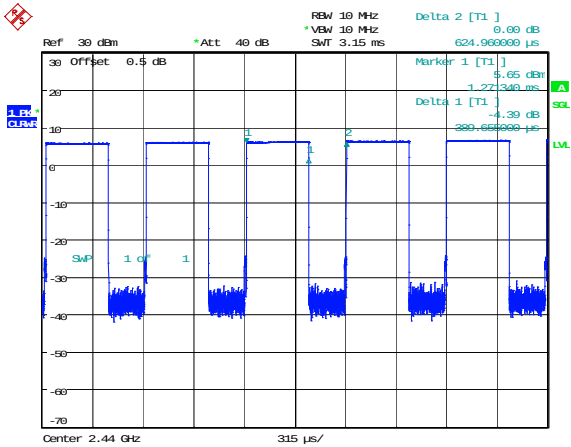
BLE 2M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.205	0.625	32.80	4.84	4878	5

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

BLE 1M

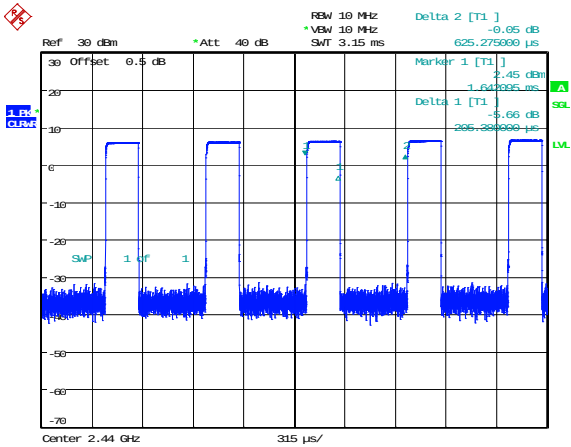
BLE_1M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:56:08

BLE 2M

BLE_2M_Middle_Channel



Comment: ProjectNo.:2403X59131E-RF Tester:LingLing Li
Date: 6.NOV.2024 16:56:45