

**Test Information:**

<b>Sample No.:</b>	2TEK-2	<b>Test Date:</b>	2024/11/18
<b>Test Site:</b>	RF	<b>Test Mode:</b>	Transmitting
<b>Tester:</b>	Leo Li	<b>Test Result:</b>	Pass

**Environmental Conditions:**

<b>Temperature:</b> (°C):	27.4	<b>Relative Humidity:</b> (%)	54	<b>ATM Pressure:</b> (kPa)	101.2
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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**

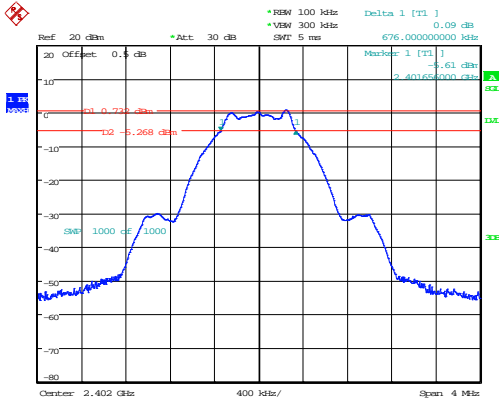
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.676	$\geq 0.5$	Pass
Middle	0.672	$\geq 0.5$	Pass
High	0.672	$\geq 0.5$	Pass

**BLE 2M**

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.176	$\geq 0.5$	Pass
Middle	1.176	$\geq 0.5$	Pass
High	1.180	$\geq 0.5$	Pass

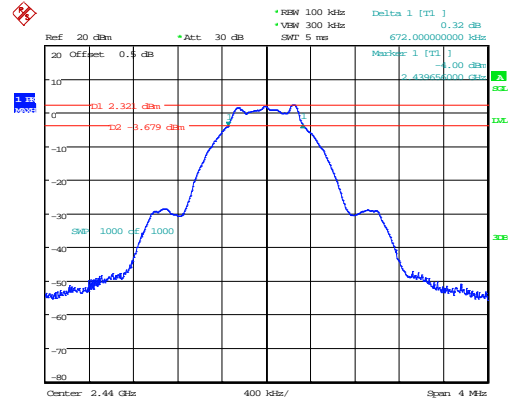
BLE 1M

BLE\_1M\_Low\_Channel



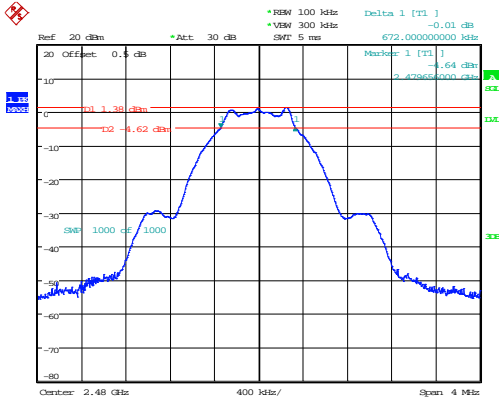
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:20:15

BLE\_1M\_Middle\_Channel



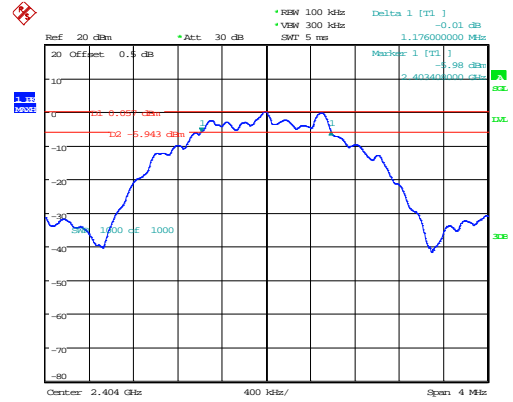
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:25:00

BLE\_1M\_High\_Channel



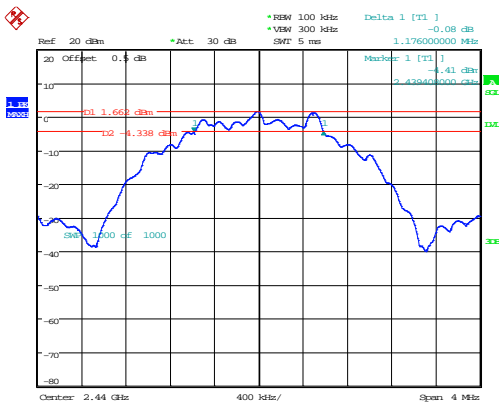
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:28:37

BLE\_2M\_Low\_Channel



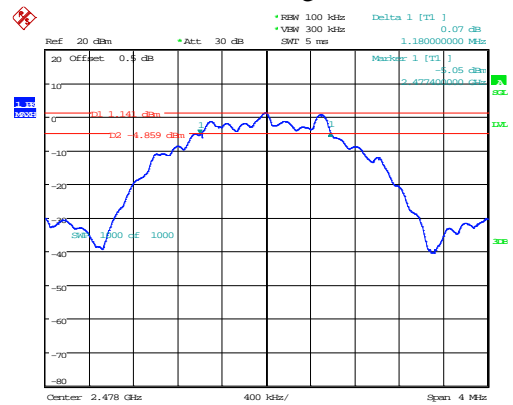
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:33:21

BLE\_2M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:34:15

BLE\_2M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:35:21

**99% Occupied Bandwidth****BLE 1M**

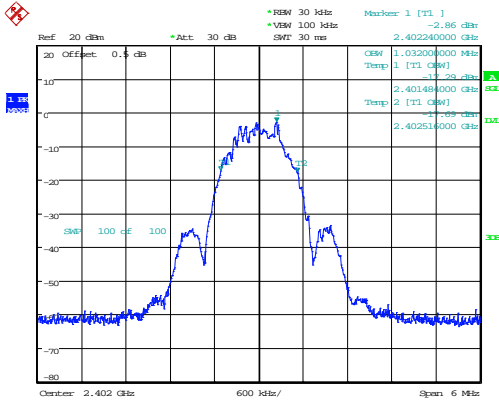
<b>Channel</b>	<b>99% OBW (MHz)</b>
Low	1.032
Middle	1.038
High	1.032

**BLE 2M**

<b>Channel</b>	<b>99% OBW (MHz)</b>
Low	2.064
Middle	2.064
High	2.064

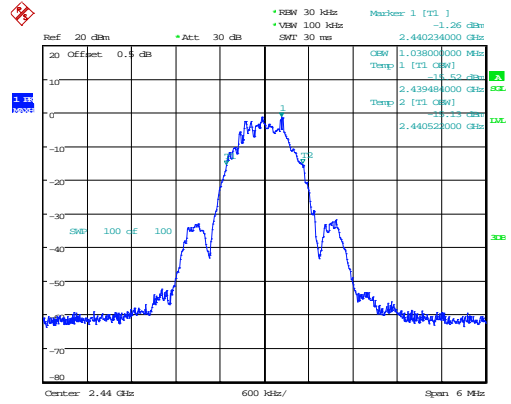
BLE 1M

BLE\_1M\_Low\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:20:38

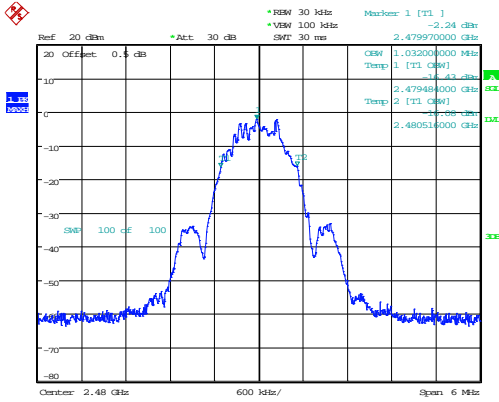
BLE\_1M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:25:14

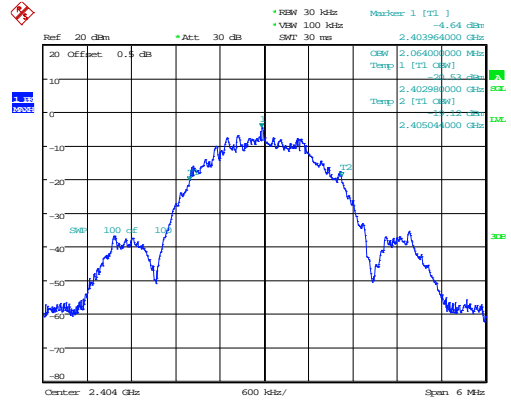
BLE 2M

BLE\_1M\_High\_Channel



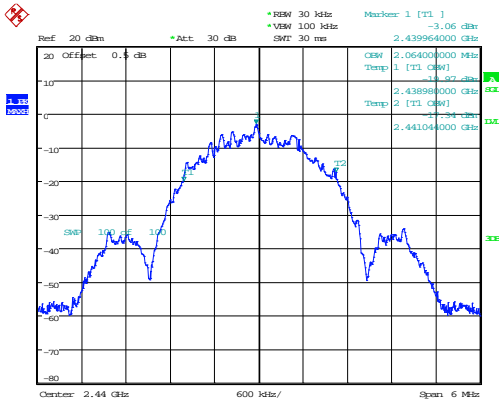
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:28:54

BLE\_2M\_Low\_Channel



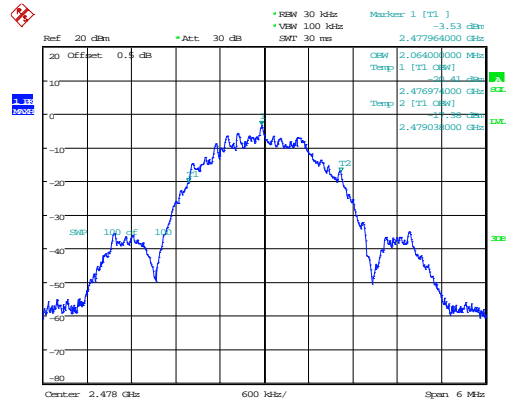
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:35:54

BLE\_2M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:36:18

BLE\_2M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:36:54

**Maximum Conducted Output Power****BLE 1M**

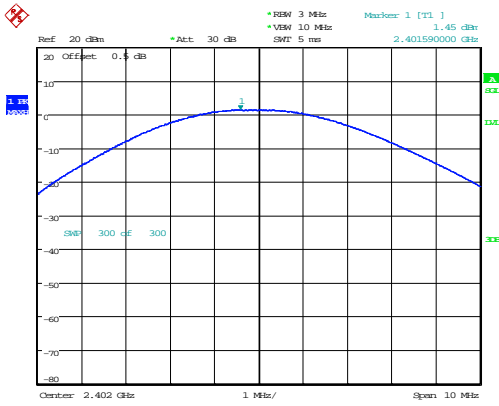
Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.45	30.00	Pass
Middle	3.05	30.00	Pass
High	2.18	30.00	Pass

**BLE 2M**

Channel	Result (dBm)	Limit (dBm)	Verdict
Low	1.44	30.00	Pass
Middle	3.05	30.00	Pass
High	2.59	30.00	Pass

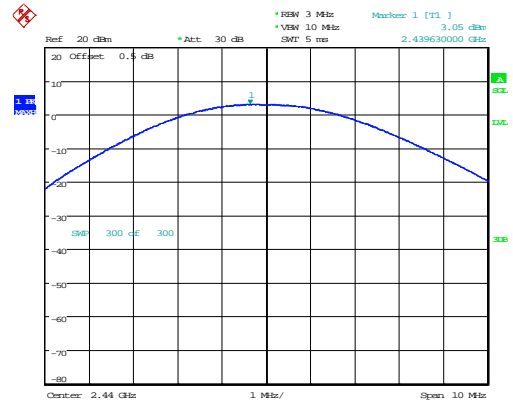
BLE 1M

BLE\_1M\_Low\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:23:50

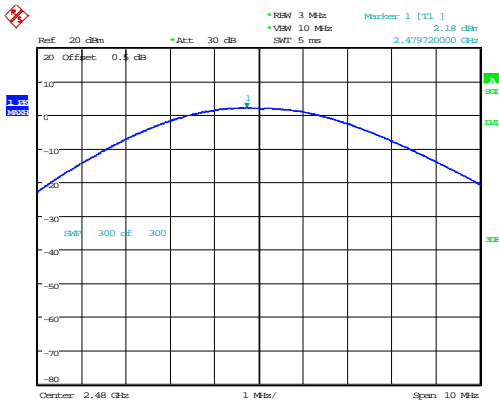
BLE\_1M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:26:40

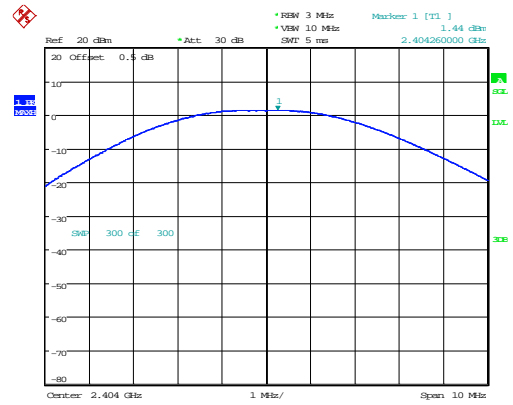
BLE 2M

BLE\_1M\_High\_Channel



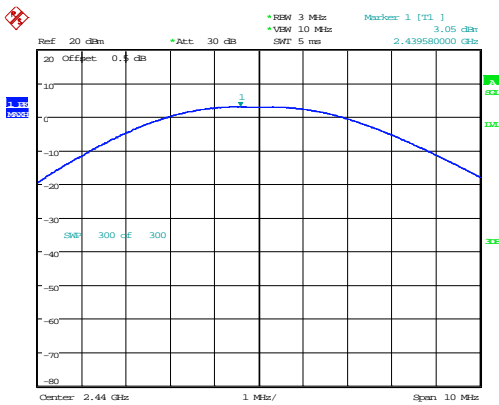
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:29:40

BLE\_2M\_Low\_Channel



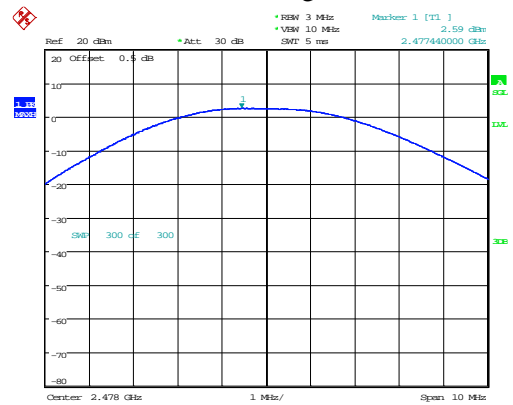
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:37:37

BLE\_2M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:38:01

BLE\_2M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
 Date: 18.NOV.2024 10:38:32

**Power Spectral Density****BLE 1M**

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-15.53	8	Pass
Middle	-13.91	8	Pass
High	-14.80	8	Pass

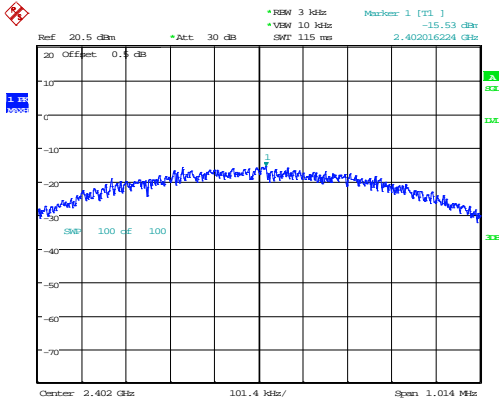
**BLE 2M**

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-17.83	8	Pass
Middle	-16.22	8	Pass
High	-16.68	8	Pass



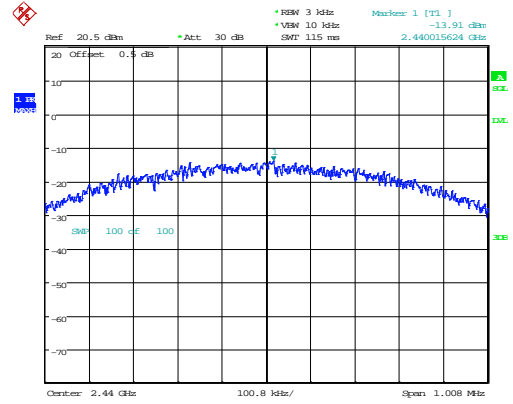
### BLE 1M

#### BLE\_1M\_Low\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:24:13

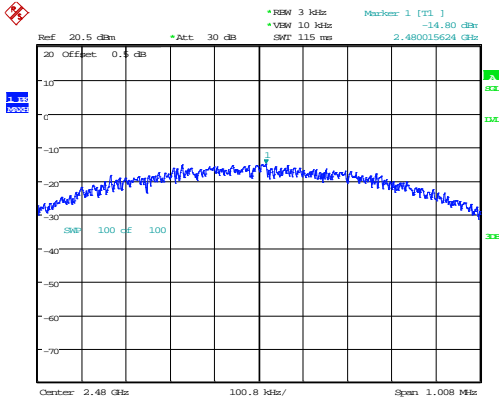
#### BLE\_1M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:27:02

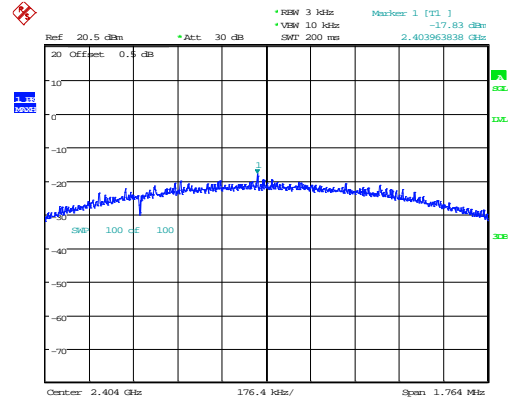
### BLE 2M

#### BLE\_1M\_High\_Channel



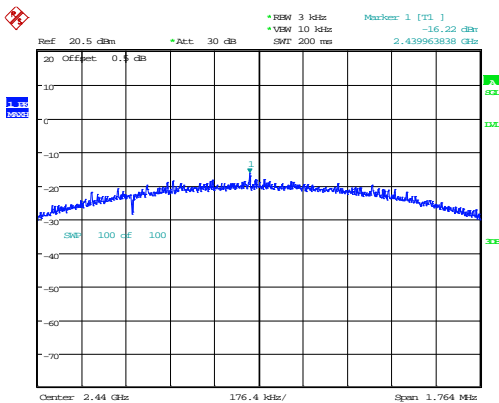
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:30:02

#### BLE\_2M\_Low\_Channel



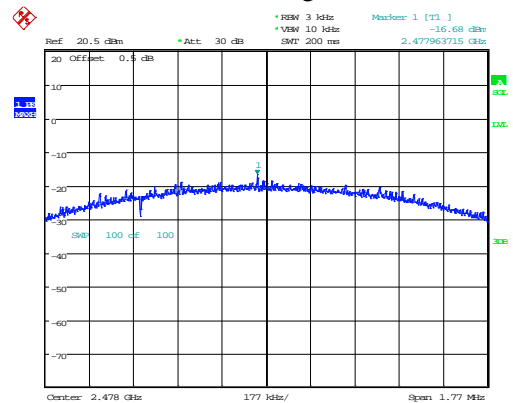
ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:10:55

#### BLE\_2M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:11:45

#### BLE\_2M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:12:35

**100 kHz Bandwidth of Frequency Band Edge**

**BLE 1M**

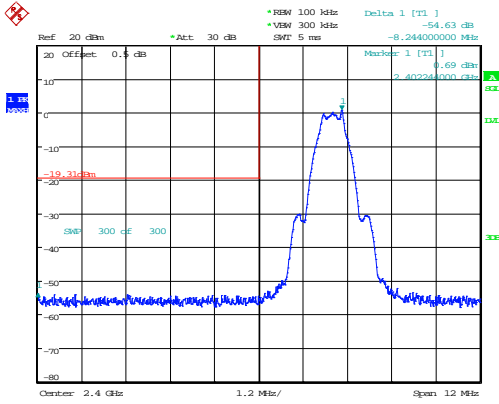
Channel	Result (dB)	Limit (dB)	Verdict
Low	54.63	20	Pass
High	54.80	20	Pass

**BLE 2M**

Channel	Result (dB)	Limit (dB)	Verdict
Low	53.33	20	Pass
High	53.54	20	Pass

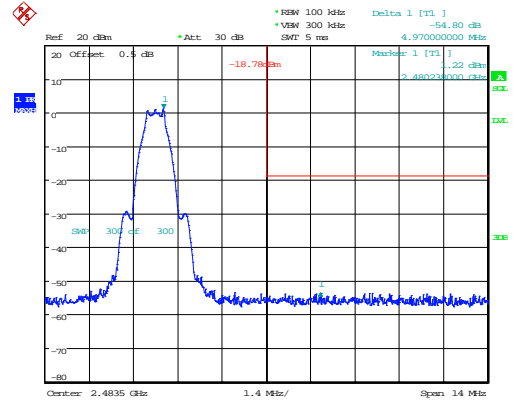
### BLE 1M

#### BLE\_1M\_Low\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:19:31

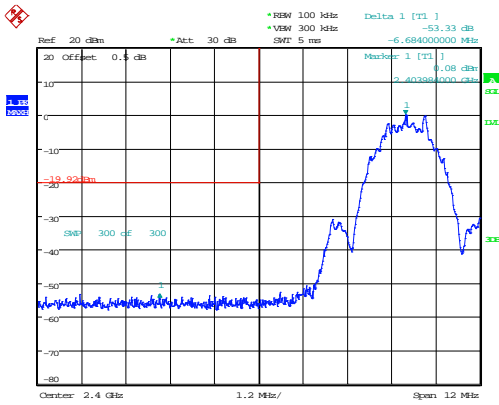
#### BLE\_1M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:27:40

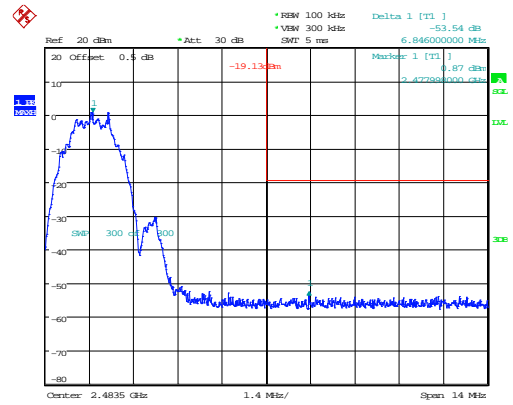
### BLE 2M

#### BLE\_2M\_Low\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:08:55

#### BLE\_2M\_High\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:09:32

**Duty Cycle****BLE 1M**

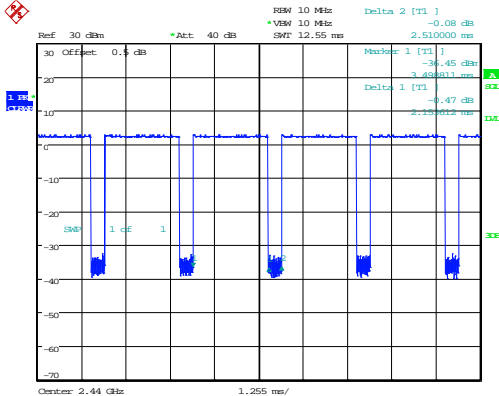
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.154	2.510	85.82	0.66	464	0.5

**BLE 2M**

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.072	1.880	57.02	2.44	933	1

BLE 1M

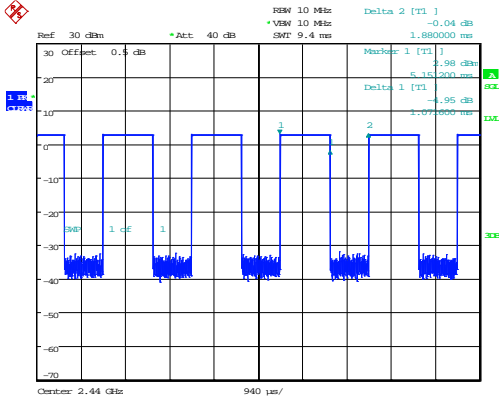
BLE\_1M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 10:26:23

BLE 2M

BLE\_2M\_Middle\_Channel



ProjectNo.:2403Y36748E-RF Tester:Leo Li  
Date: 18.NOV.2024 11:13:50