

FCC Part 15.247

Test Information:

Serial No.:	2KI0-3	Test Date:	2024/04/26~2024/05/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7-26.4	Relative Humidity: (%)	51-54	ATM Pressure: (kPa)	100.2-100.6
----------------------	-----------	---------------------------	-------	------------------------	-------------

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).

100 kHz Bandwidth of Frequency Band Edge**Main ANT:****BLE 1M**

Mode	Value (dB)	Limit (dB)	Result
Low	49.72	20.00	Pass
High	50.00	20.00	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	47.50	20.00	Pass
High	49.29	20.00	Pass

AUX ANT:**BLE 1M**

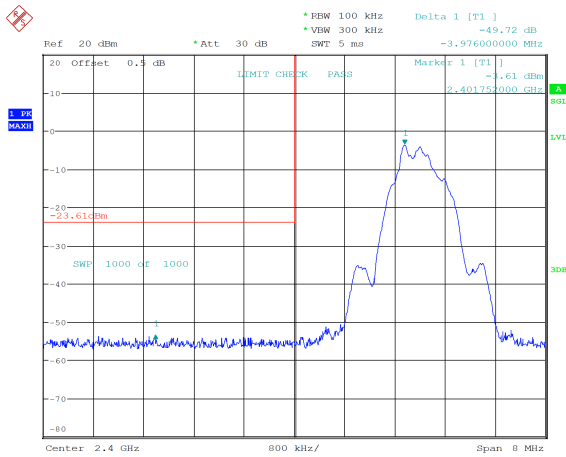
Mode	Value (dB)	Limit (dB)	Result
Low	50.19	20.00	Pass
High	50.07	20.00	Pass

BLE 2M

Mode	Value (dB)	Limit (dB)	Result
Low	49.74	20.00	Pass
High	48.99	20.00	Pass

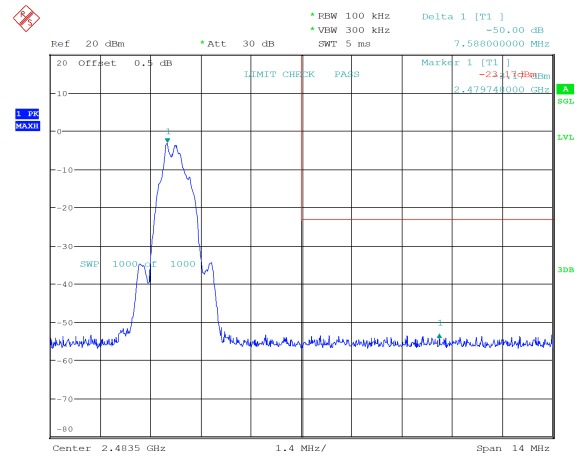
Main ANT: BLE 1M

Low 49.72 dB



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:17:58

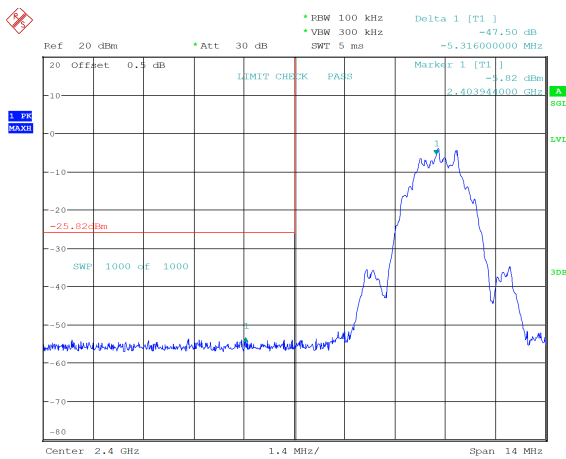
High 50.00 dB



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:41:47

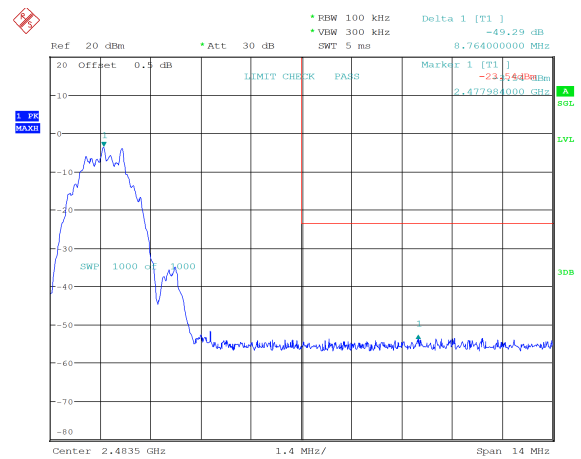
BLE 2M

Low 47.50 dB



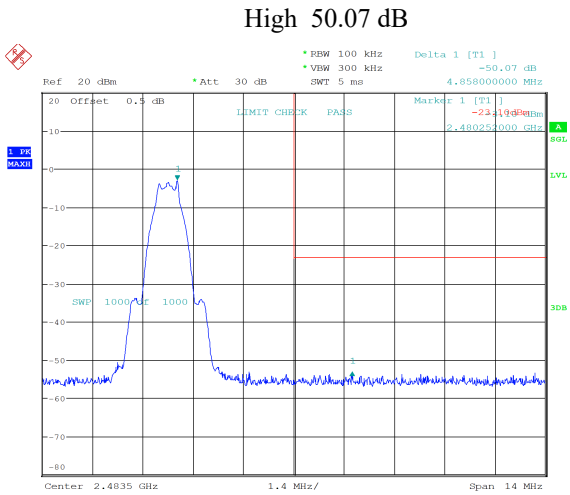
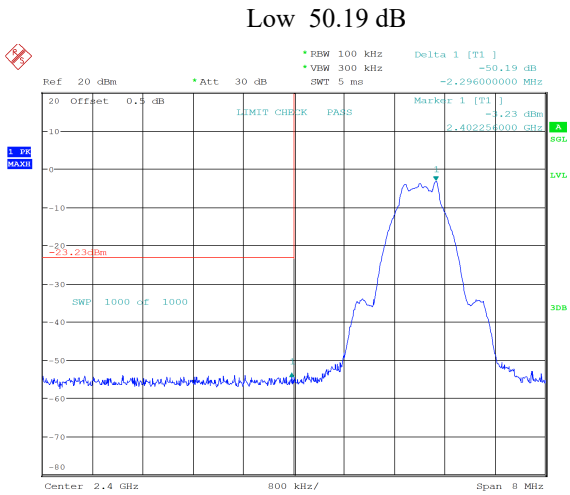
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 21:58:42

High 49.29 dB



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:29:14

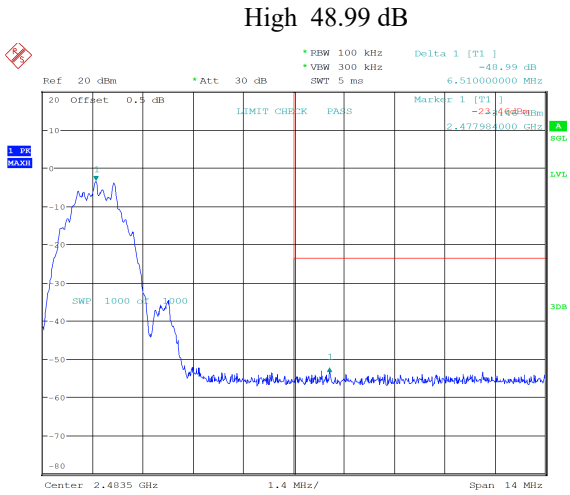
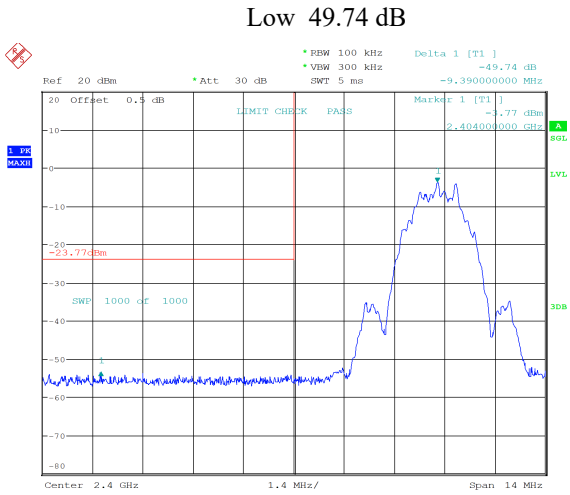
AUX ANT:
BLE 1M



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:53:03

ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:55:38

BLE 2M



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:35:13

ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:37:01

6dB Emission Bandwidth**Main ANT:****BLE 1M**

Mode	Value (MHz)	Limit (MHz)	Result
Low	0.515	0.5	Pass
Middle	0.513	0.5	Pass
High	0.511	0.5	Pass

BLE 2M

Mode	Value (MHz)	Limit (MHz)	Result
Low	1.183	0.5	Pass
Middle	1.183	0.5	Pass
High	1.183	0.5	Pass

AUX ANT:**BLE 1M**

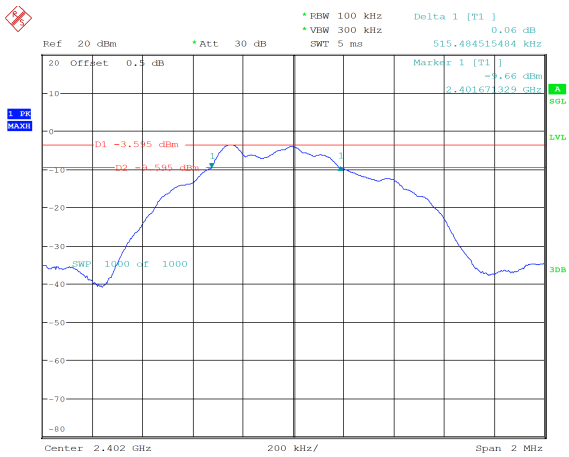
Mode	Value (MHz)	Limit (MHz)	Result
Low	0.679	0.5	Pass
Middle	0.679	0.5	Pass
High	0.679	0.5	Pass

BLE 2M

Mode	Value (MHz)	Limit (MHz)	Result
Low	1.179	0.5	Pass
Middle	1.183	0.5	Pass
High	1.179	0.5	Pass

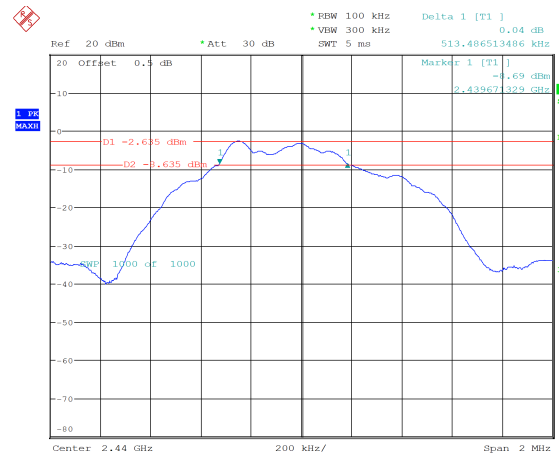
Main ANT: BLE 1M

Low 0.515 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:18:42

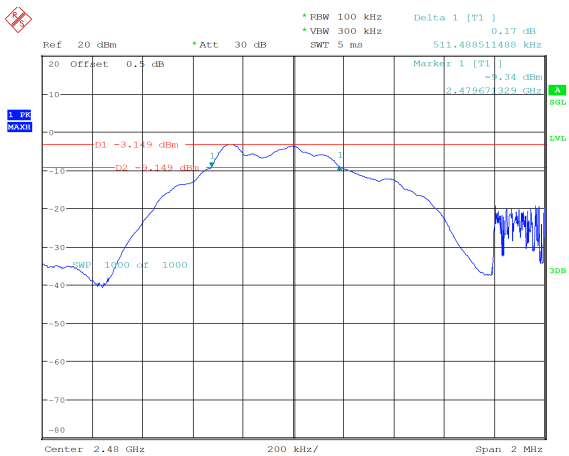
Middle 0.513 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:33:17

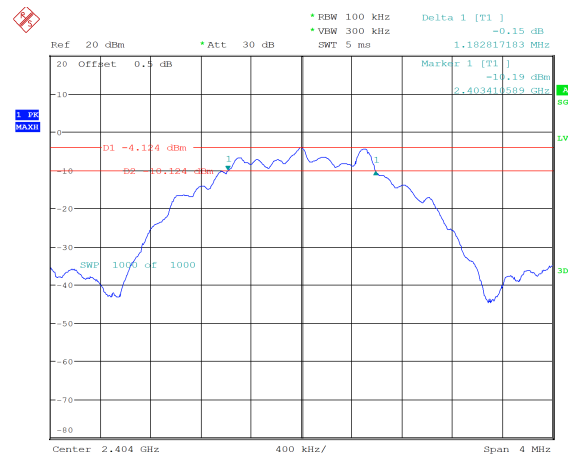
BLE 2M

High 0.511 MHz



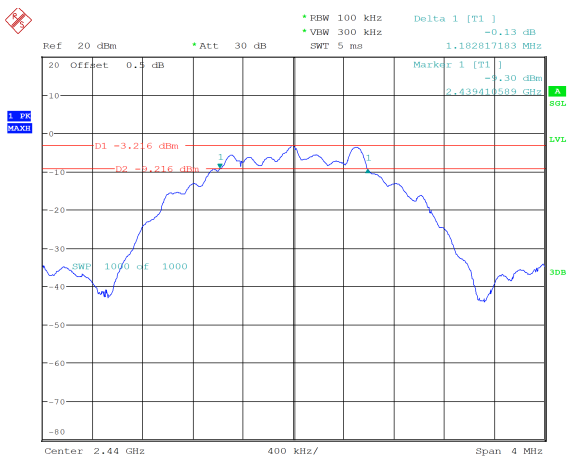
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:42:21

Low 1.183 MHz



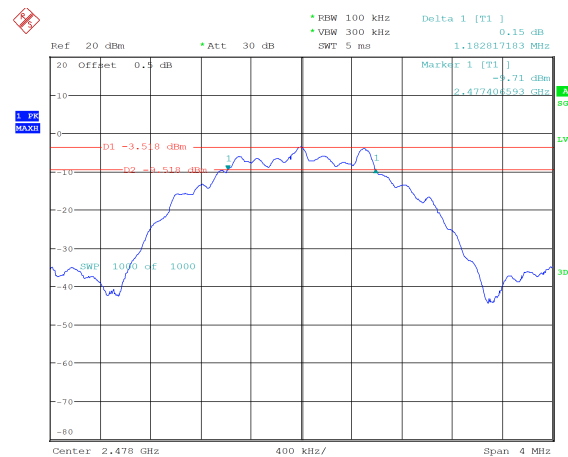
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:15:46

Middle 1.183 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:18:49

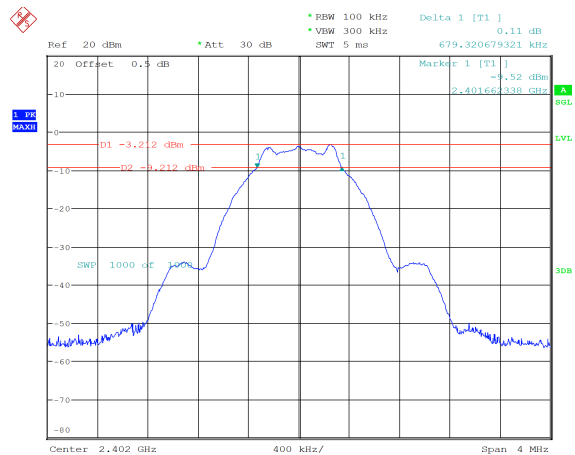
High 1.183 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:20:43

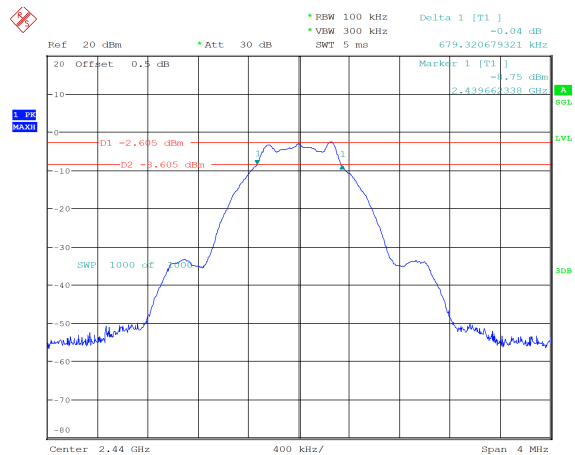
AUX ANT:
BLE 1M

Low 0.679 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:37:33

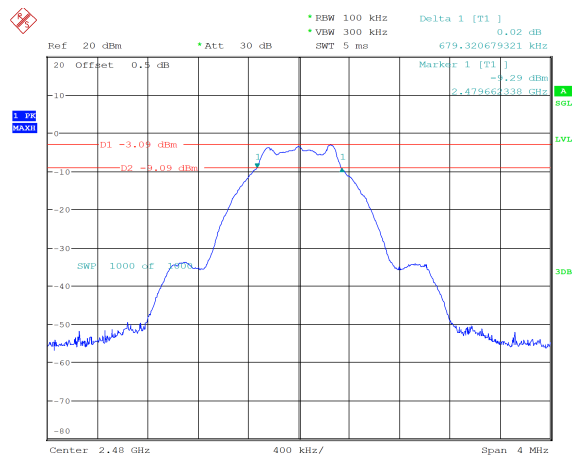
Middle 0.679 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:42:33

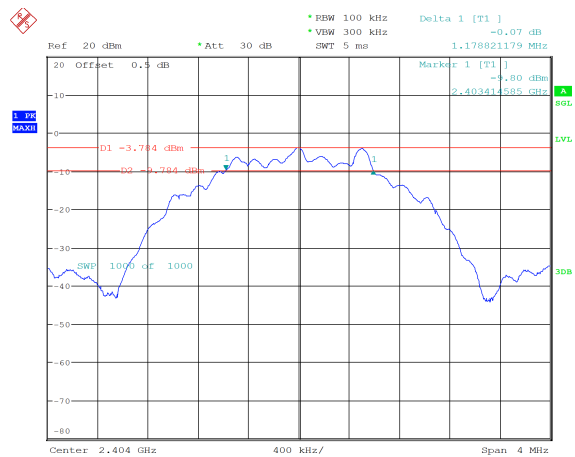
BLE 2M

High 0.679 MHz



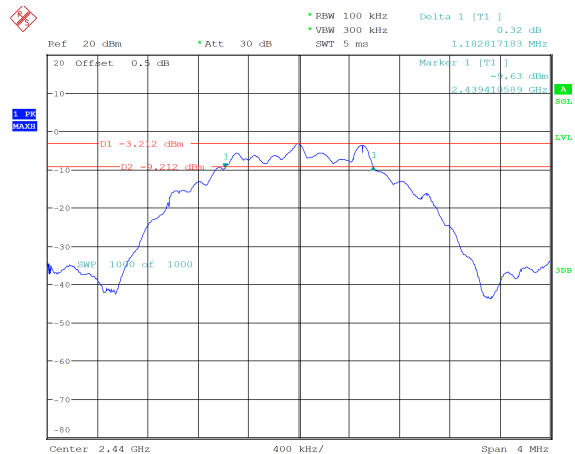
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:44:04

Low 1.179 MHz



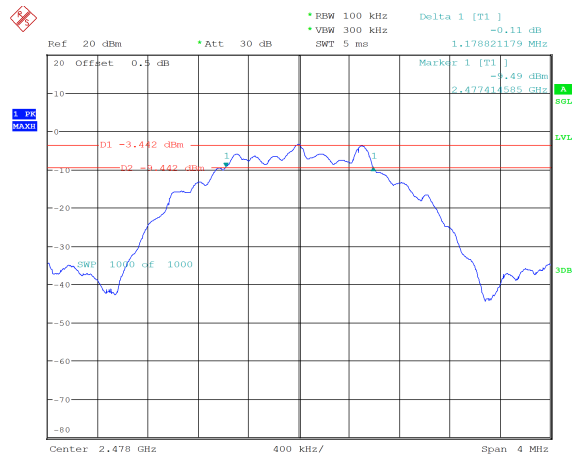
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:12:00

Middle 1.183 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:13:07

High 1.179 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:14:45

99% Occupied Bandwidth**Main ANT:****BLE 1M**

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

BLE 2M

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

AUX ANT:**BLE 1M**

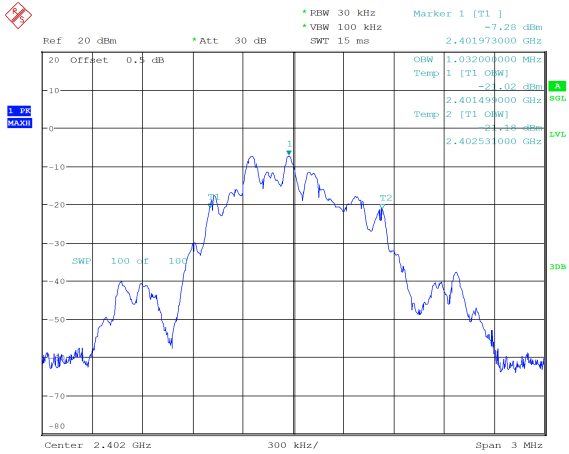
Mode	99% OBW (MHz)
Low	1.032
Middle	1.038
High	1.032

BLE 2M

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

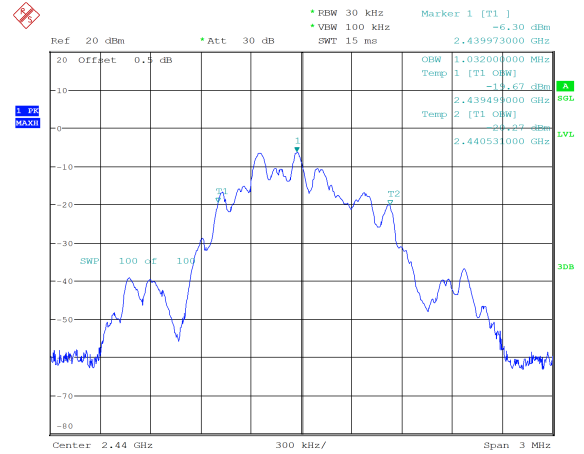
Main ANT: BLE 1M

Low 1.032 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:18:57

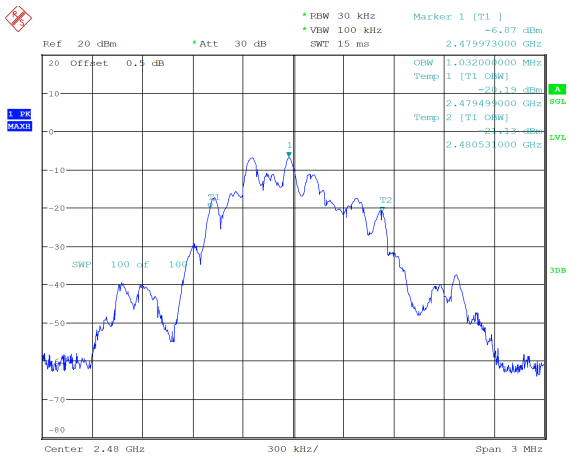
Middle 1.032 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:24:29

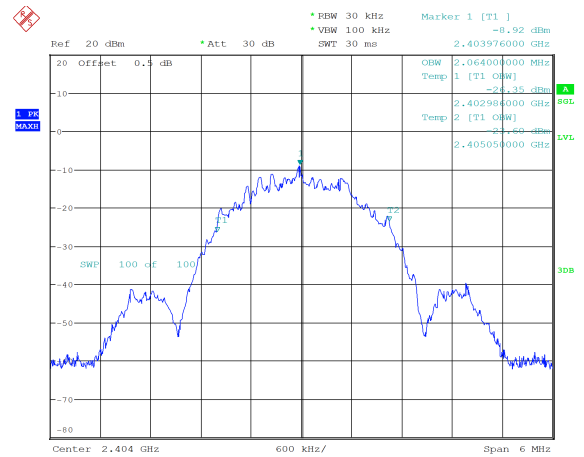
BLE 2M

High 1.032 MHz



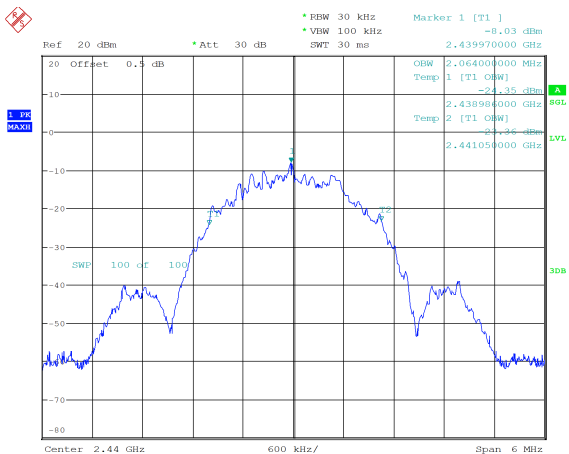
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:42:35

Low 2.064 MHz



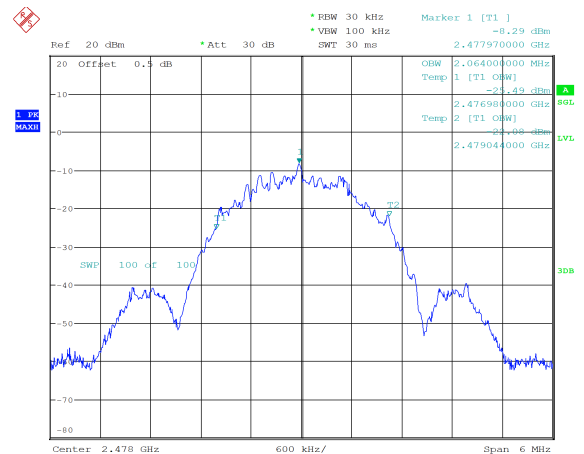
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:23:17

Middle 2.064 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:24:00

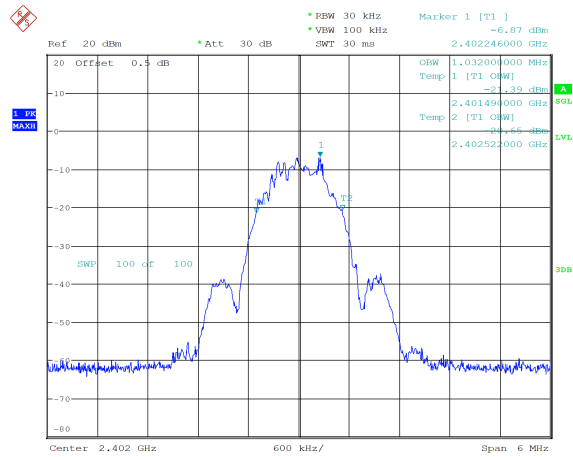
High 2.064 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:21:56

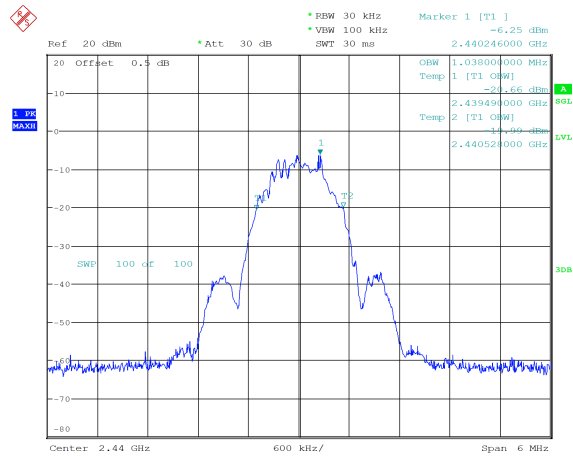
AUX ANT:
BLE 1M

Low 1.032 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:45:26

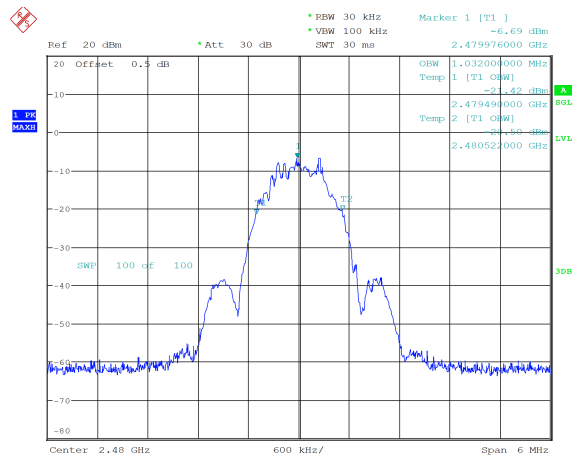
Middle 1.038 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:46:21

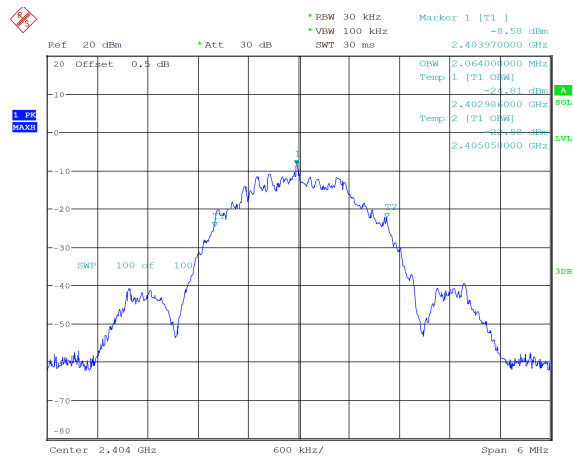
BLE 2M

High 1.032 MHz



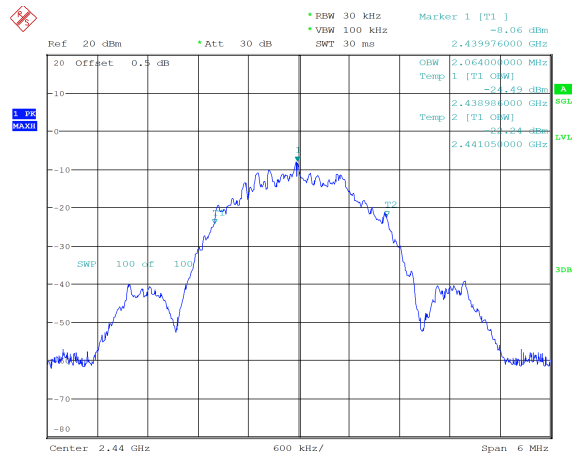
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:46:50

Low 2.064 MHz



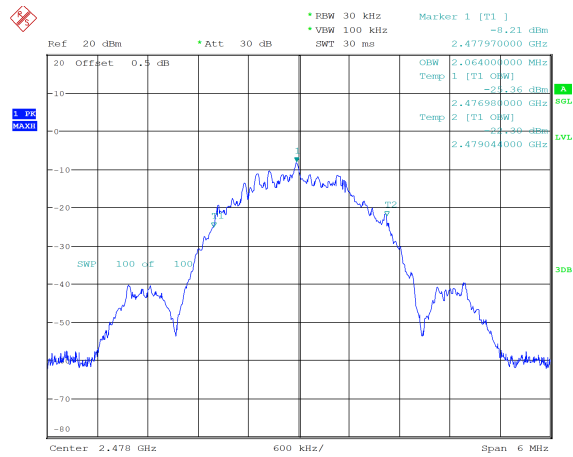
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:15:49

Middle 2.064 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:16:27

High 2.064 MHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:17:50

Duty Cycle**Main ANT:****BLE 1M**

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Low	2.200	2.510	87.65	455	0.50
Middle	2.173	2.501	86.89	460	0.50
High	2.179	2.520	86.47	459	0.50

BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Low	1.090	1.879	58.01	917	1
Middle	1.091	1.880	58.03	917	1
High	1.106	1.865	59.30	904	1

Duty Cycle = Ton/(Ton+Toff)*100%**AUX ANT:****BLE 1M**

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Low	2.174	2.516	86.41	460	0.50
Middle	2.159	2.500	86.36	463	0.50
High	2.172	2.514	86.40	460	0.50

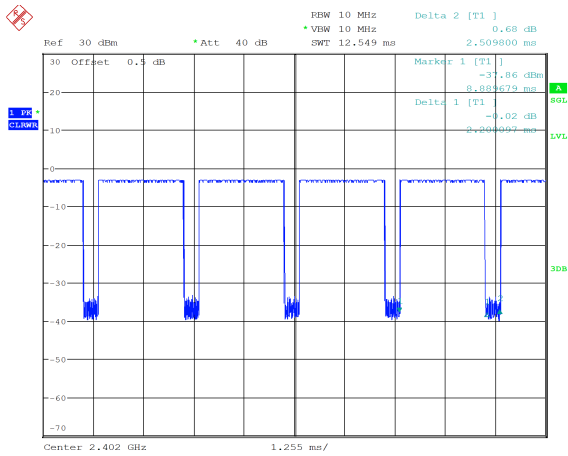
BLE 2M

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
Low	1.100	1.879	58.54	909	1
Middle	1.091	1.880	58.03	917	1
High	1.091	1.880	58.03	917	1

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

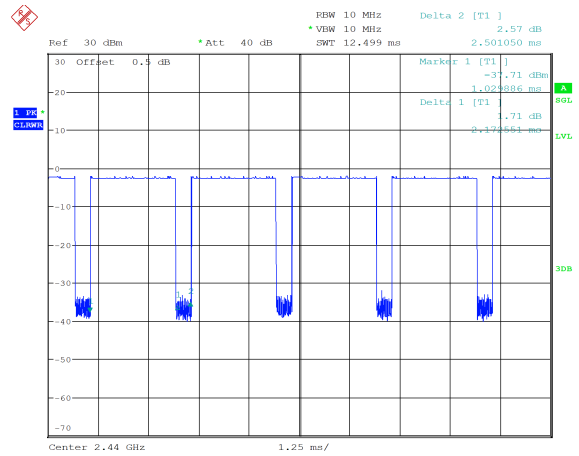
Main ANT: BLE 1M

Low
2.200 ms,2.51ms



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:03:15

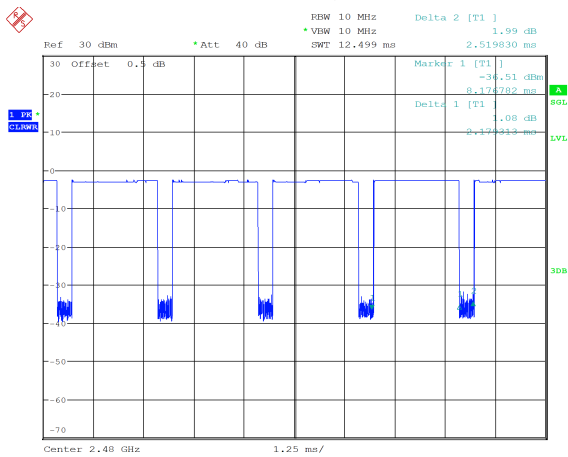
Middle
2.173 ms,2.501ms



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:04:38

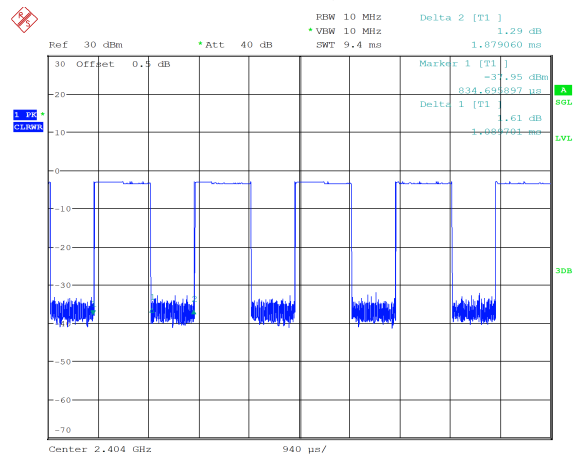
BLE 2M

High
2.179 ms,2.52ms



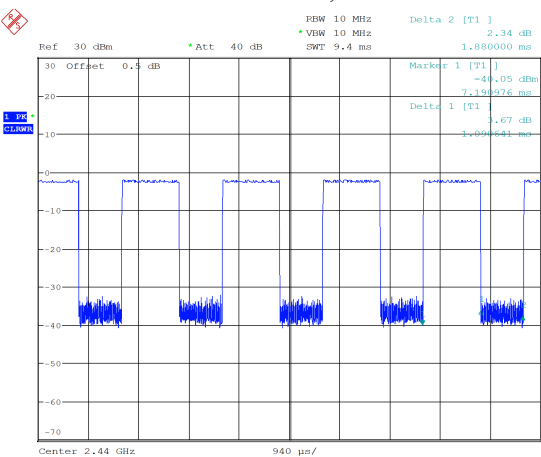
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:06:36

Low
1.090 ms,1.879ms



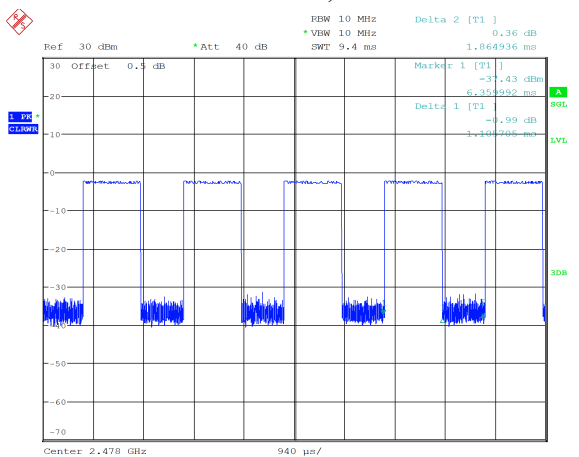
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:07:51

Middle
1.091 ms,1.88ms

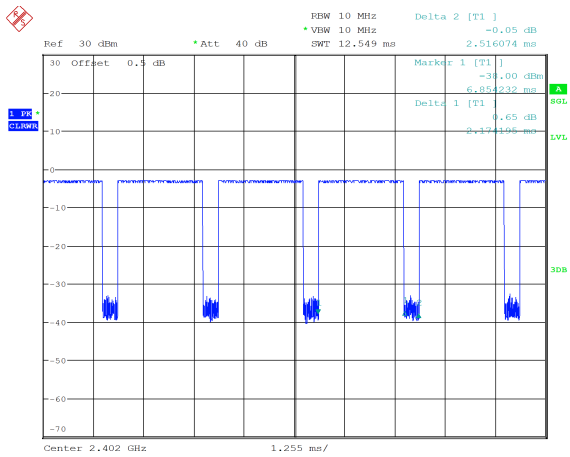
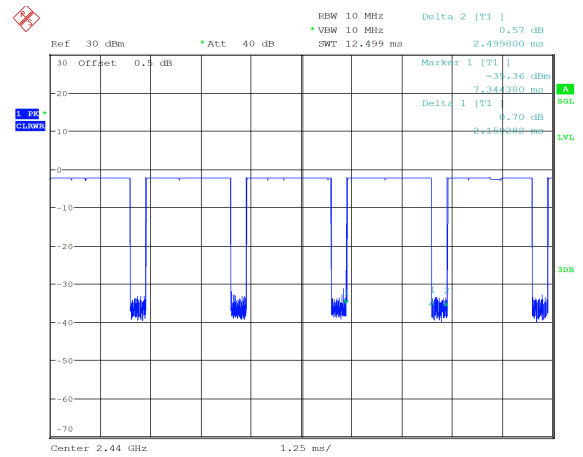
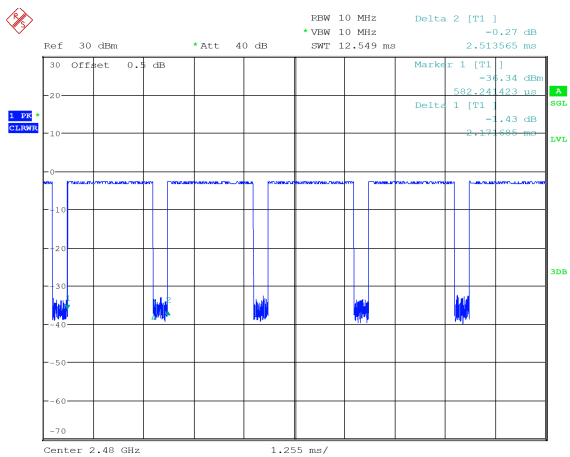
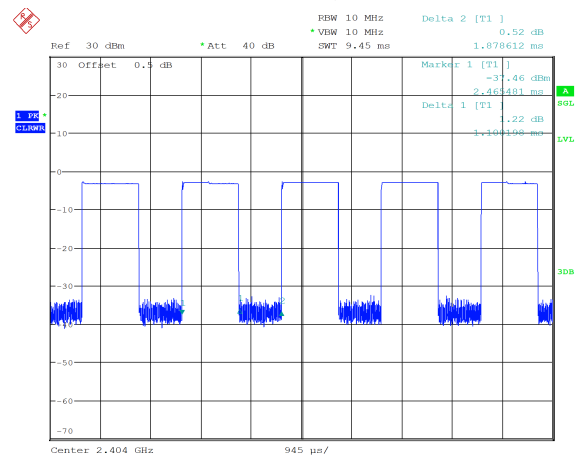
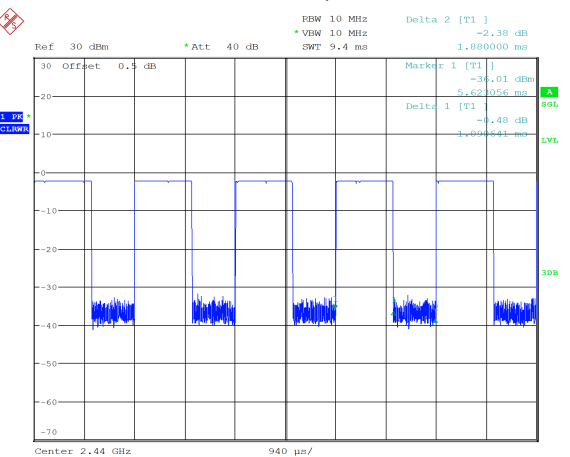
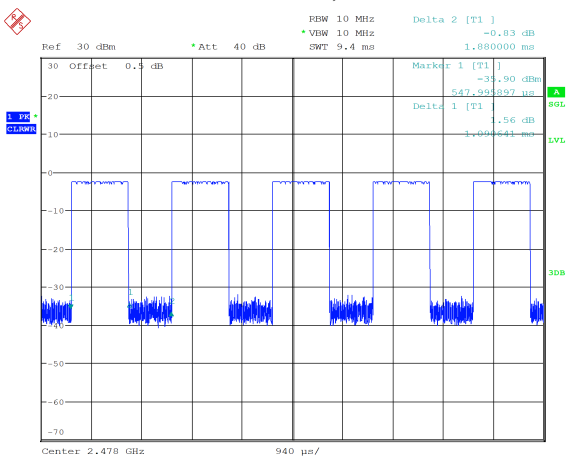


ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:09:01

High
1.106 ms,1.865ms



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:10:47

**AUX ANT:
BLE 1M****Low**
2.174 ms,2.516msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:05:54**Middle**
2.159 ms,2.5msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:07:42**BLE 2M****High**
2.172 ms,2.514msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:09:17**Low**
1.100 ms,1.879msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 1.MAY.2024 00:05:46**Middle**
1.091 ms,1.88msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 1.MAY.2024 00:11:09**High**
1.091 ms,1.88msProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 1.MAY.2024 00:13:11

Maximum Conducted Output Power**Main ANT:****BLE 1M**

Mode	Value (dBm)	Limit (dBm)	Result
Low	-3.00	30.00	Pass
Middle	-2.05	30.00	Pass
High	-2.55	30.00	Pass

BLE 2M

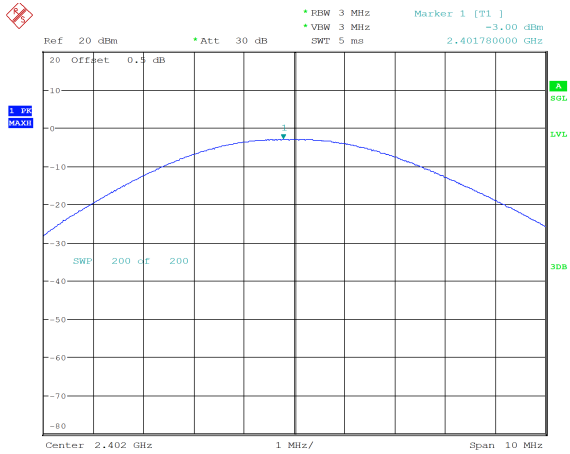
Mode	Value (dBm)	Limit (dBm)	Result
Low	-2.89	30.00	Pass
Middle	-1.99	30.00	Pass
High	-2.23	30.00	Pass

AUX ANT:**BLE 1M**

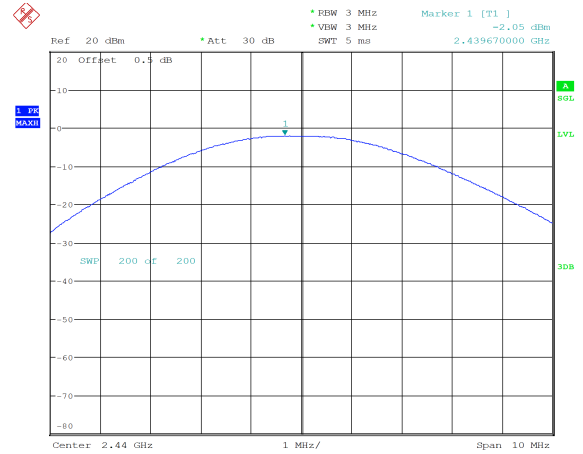
Mode	Value (dBm)	Limit (dBm)	Result
Low	-2.63	30.00	Pass
Middle	-1.91	30.00	Pass
High	-2.37	30.00	Pass

BLE 2M

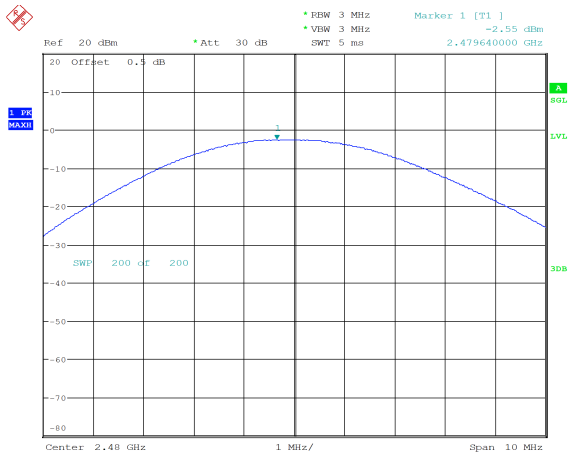
Mode	Value (dBm)	Limit (dBm)	Result
Low	-2.54	30.00	Pass
Middle	-1.96	30.00	Pass
High	-2.15	30.00	Pass

**Main Ant:
BLE 1M****Low -3.00 dBm**

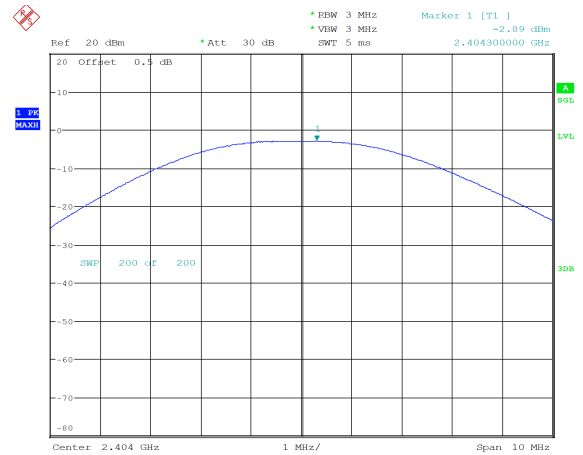
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:21:33

Middle -2.05 dBm

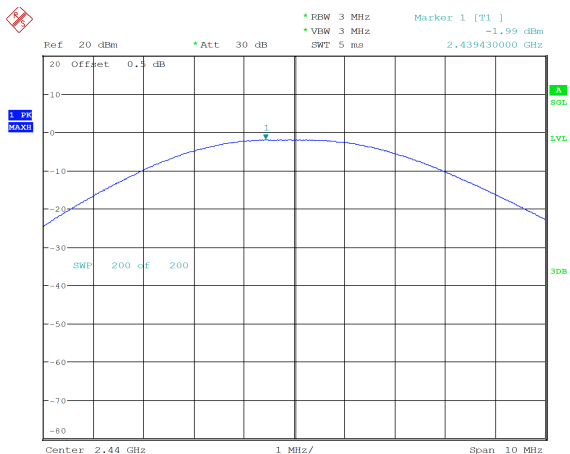
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:28:48

BLE 2M**High -2.55 dBm**

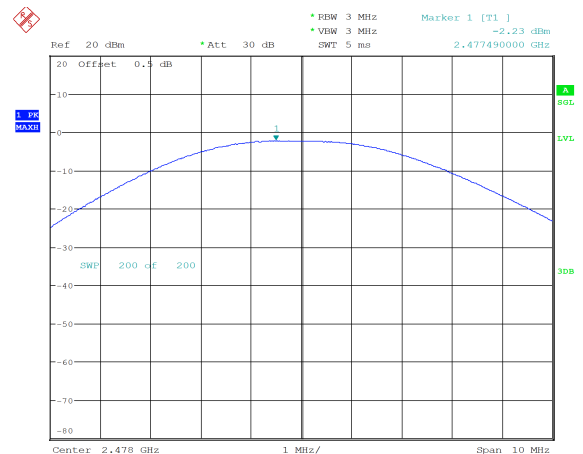
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 27.APR.2024 00:44:10

Low -2.89 dBm

ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:26:22

Middle -1.99 dBm

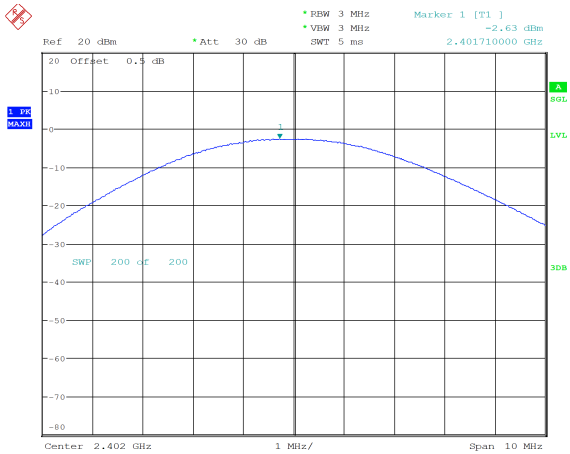
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:24:56

High -2.23 dBm

ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 29.APR.2024 22:27:12

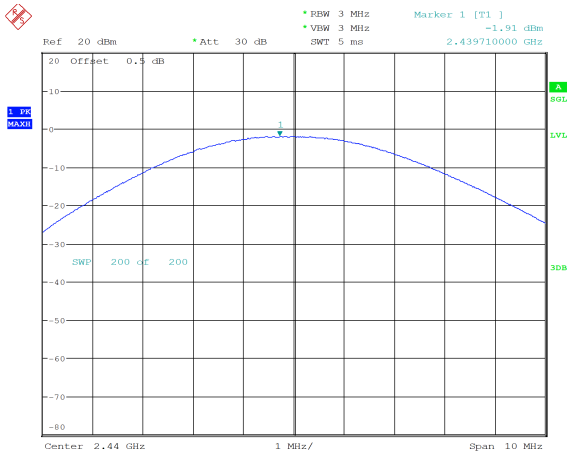
AUX ABT:
BLE 1M

Low -2.63 dBm



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:48:07

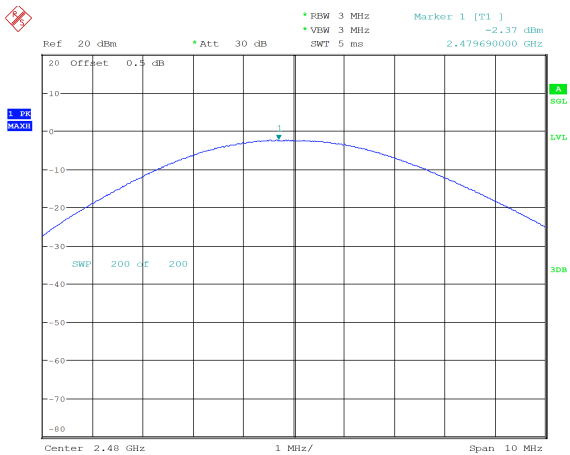
Middle -1.91 dBm



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:50:23

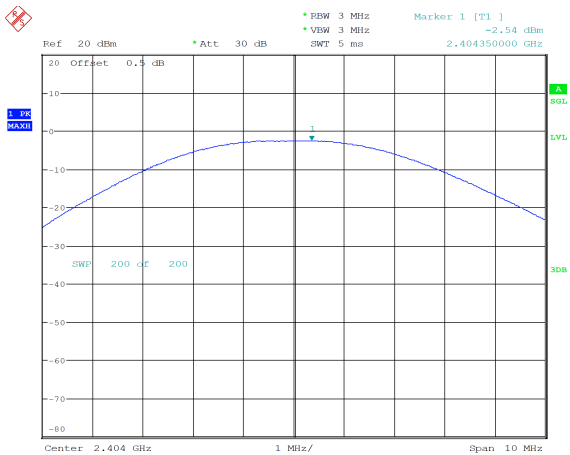
BLE 2M

High -2.37 dBm



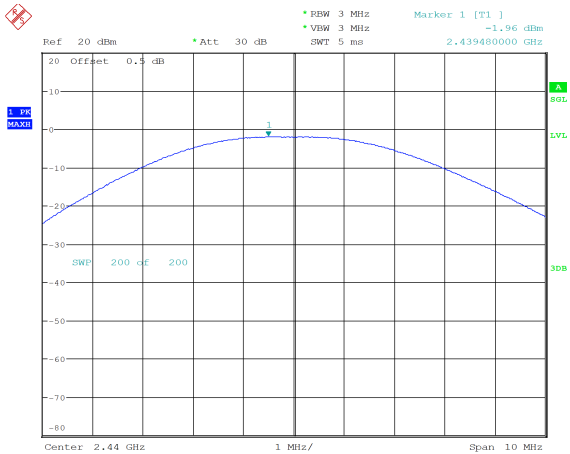
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:51:11

Low -2.54 dBm



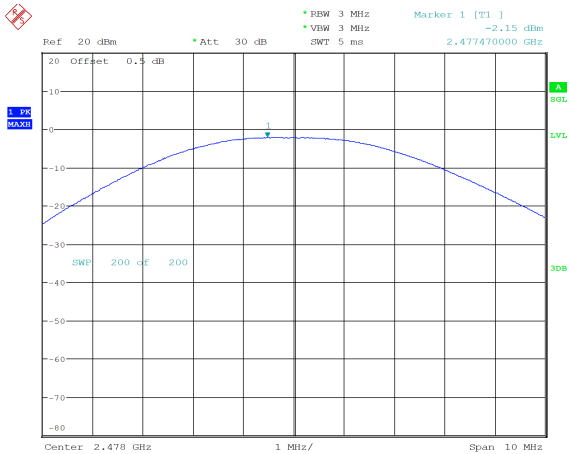
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:20:54

Middle -1.96 dBm



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:24:47

High -2.15 dBm



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:26:30

Power Spectral Density**Main ANT:****BLE 1M**

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-25.98	8.00	Pass
Middle	-26.58	8.00	Pass
High	-24.28	8.00	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-27.79	8.00	Pass
Middle	-28.87	8.00	Pass
High	-27.71	8.00	Pass

AUX ANT:**BLE 1M**

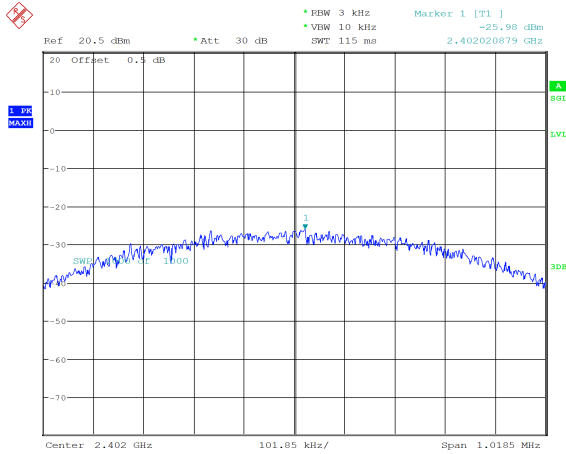
Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-19.51	8.00	Pass
Middle	-16.89	8.00	Pass
High	-19.31	8.00	Pass

BLE 2M

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low	-21.78	8.00	Pass
Middle	-11.48	8.00	Pass
High	-21.43	8.00	Pass

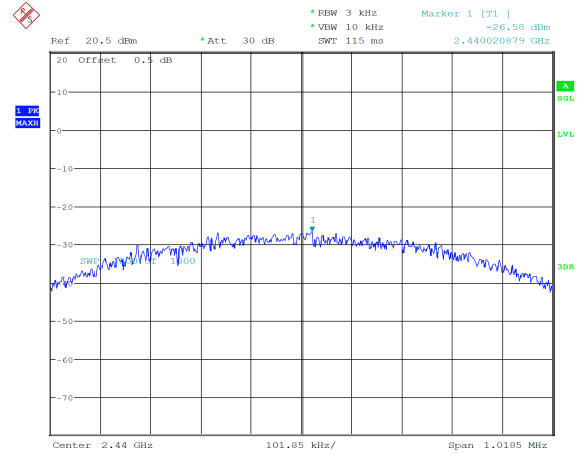
Main ANT: BLE 1M

Low -25.98 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:25:14

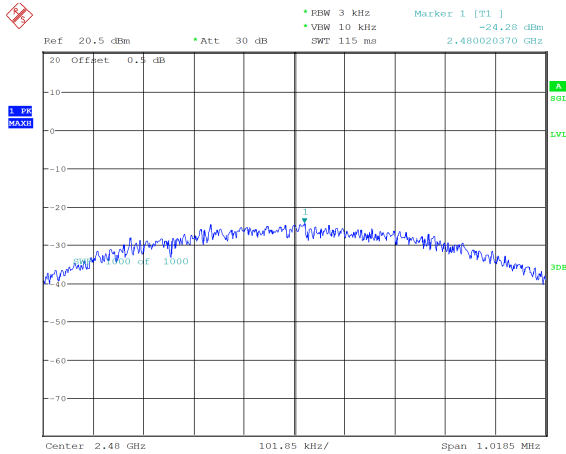
Middle -26.58 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:27:48

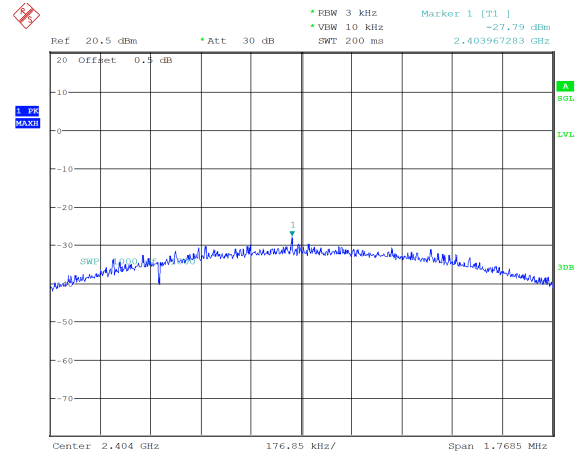
BLE 2M

High -24.28 dBm/3kHz



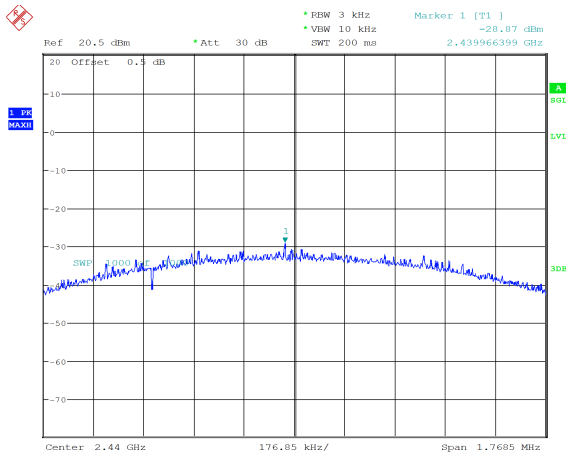
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:31:19

Low -27.79 dBm/3kHz



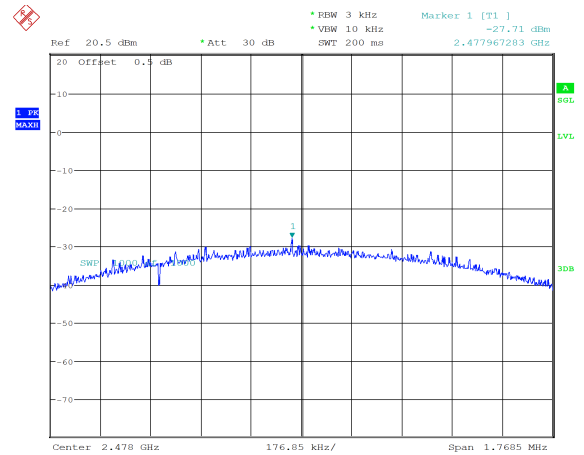
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:36:47

Middle -28.87 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:40:45

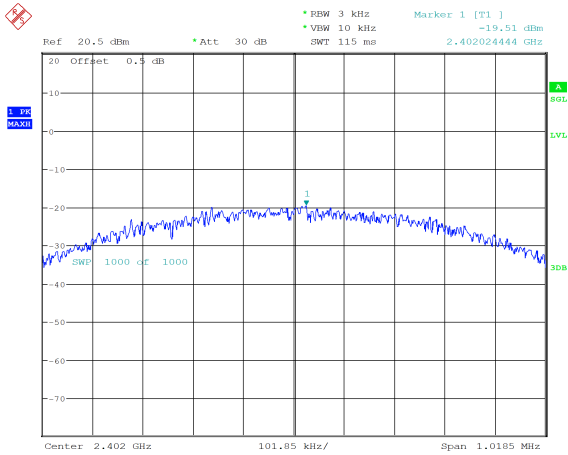
High -27.71 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 11.MAY.2024 17:44:55

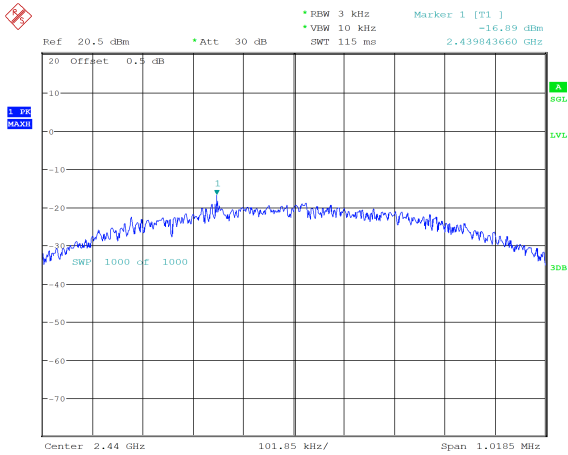
AUX ANT:
BLE 1M

Low -19.51 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 22:58:14

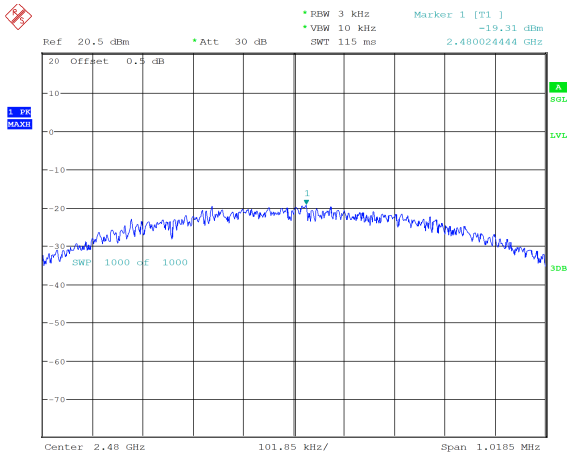
Middle -16.89 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:01:50

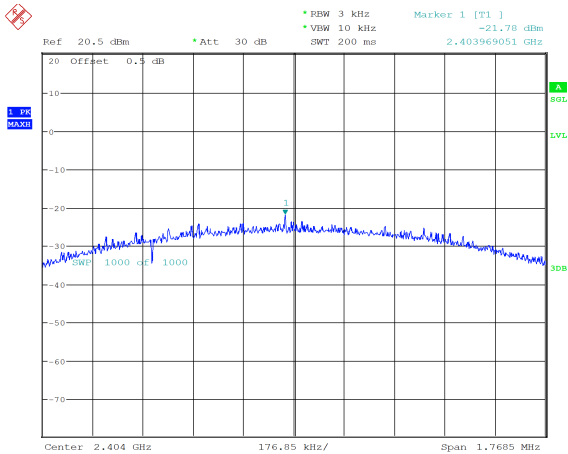
BLE 2M

High -19.31 dBm/3kHz



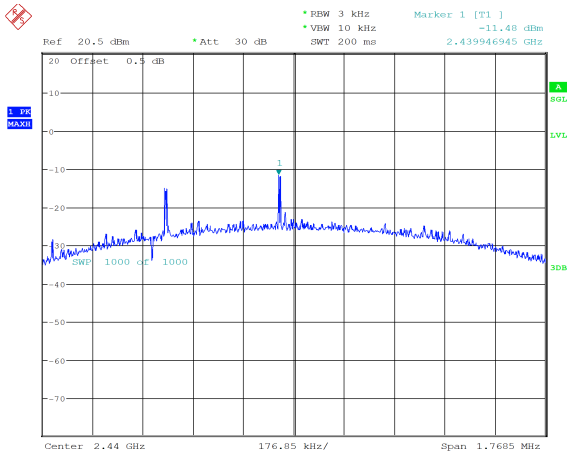
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:04:19

Low -21.78 dBm/3kHz



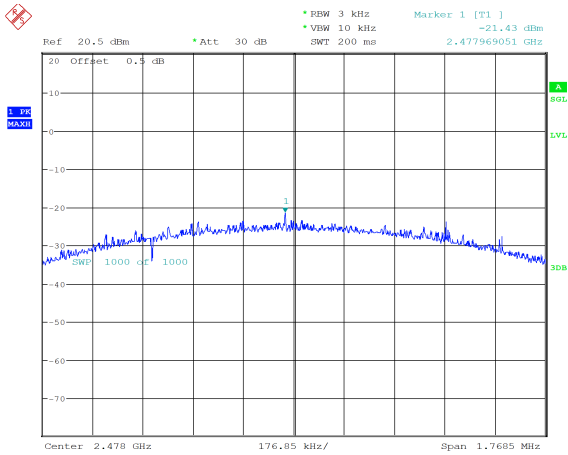
ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:46:22

Middle -11.48 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:54:57

High -21.43 dBm/3kHz



ProjectNo.:2403S72396E-RF Tester:Chin Qin
Date: 30.APR.2024 23:59:29