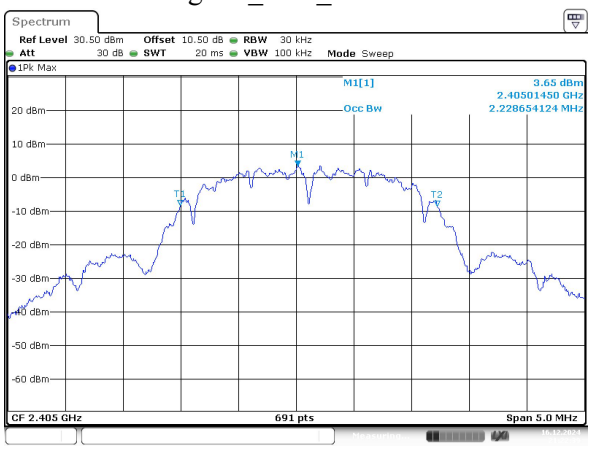
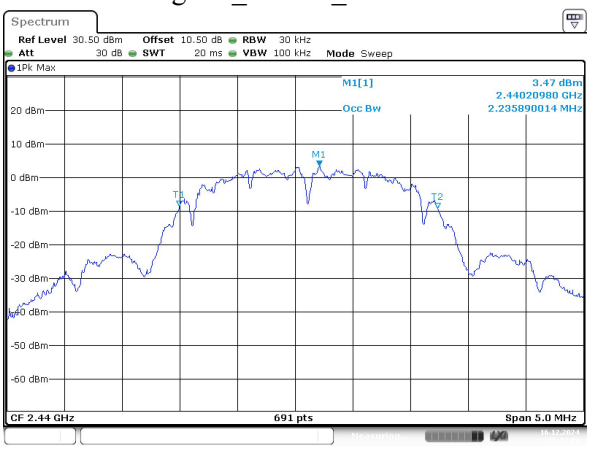
ZigBee_Low_Channel



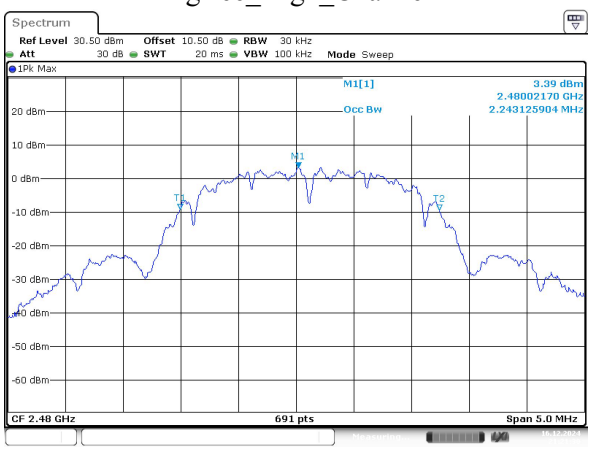
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:22:39

ZigBee_Middle_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:22:04

ZigBee_High_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:21:30

5.5 Maximum Conducted Output Power

Serial No.:	2V0Q-1	**Test Date:**	2024/12/16
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tower Qing	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	23.1	**Relative Humidity: (%)**	30	**ATM Pressure: (kPa)**	102.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

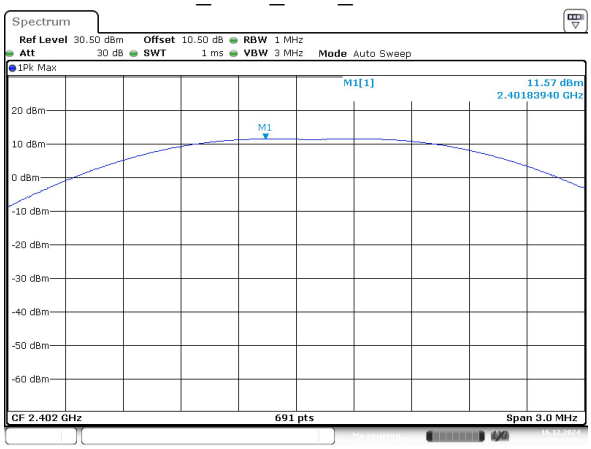
BLE:

Channel	Peak Output Power (dBm)	Limit (dBm)	Verdict
BLE 125kbps Low	11.57	30.00	Pass
BLE 125kbps Middle	11.45	30.00	Pass
BLE 125kbps High	11.29	30.00	Pass
BLE 500kbps Low	**11.62**	30.00	Pass
BLE 500kbps Middle	11.5	30.00	Pass
BLE 500kbps High	11.32	30.00	Pass
BLE 1Mbps Low	11.55	30.00	Pass
BLE 1Mbps Middle	11.43	30.00	Pass
BLE 1Mbps High	11.28	30.00	Pass
BLE 2Mbps Low	11.58	30.00	Pass
BLE 2Mbps Middle	11.45	30.00	Pass
BLE 2Mbps High	11.31	30.00	Pass
Max EIRP	9.62	36.00	Pass

ZigBee:

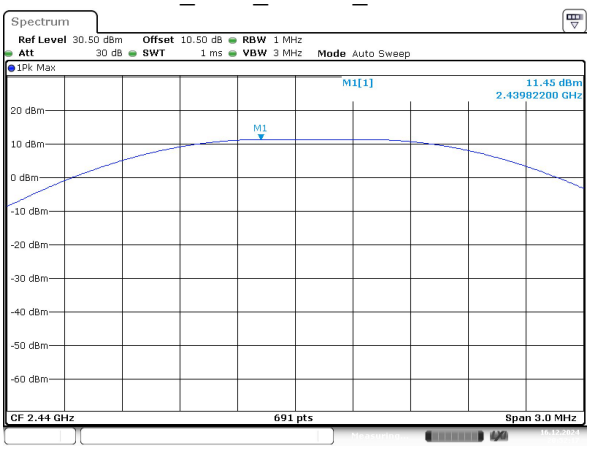
Channel	Peak Output Power (dBm)	Limit (dBm)	Verdict
ZigBee Low	**11.57**	30.00	Pass
ZigBee Middle	11.48	30.00	Pass
ZigBee High	11.31	30.00	Pass
Max EIRP	9.57	36.00	Pass

BLE_125k_Low_Channel



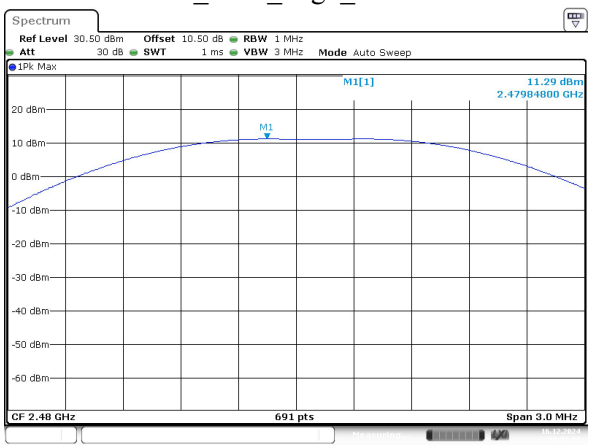
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:52:53

BLE_125k_Middle_Channel



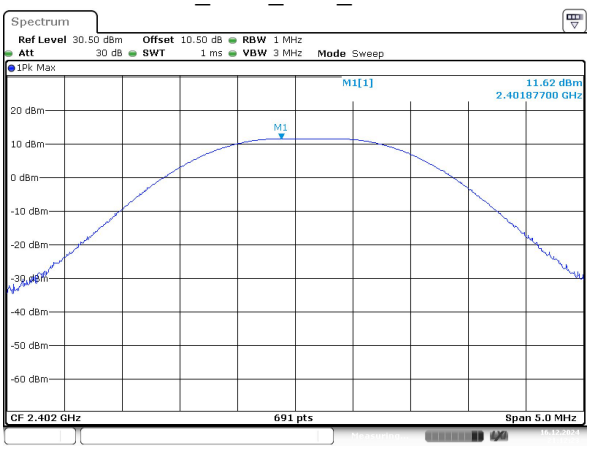
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:52:17

BLE_125k_High_Channel



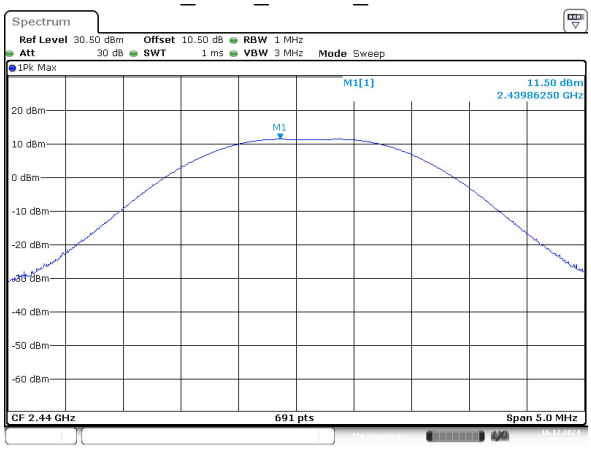
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:52:36

BLE_500k_Low_Channel



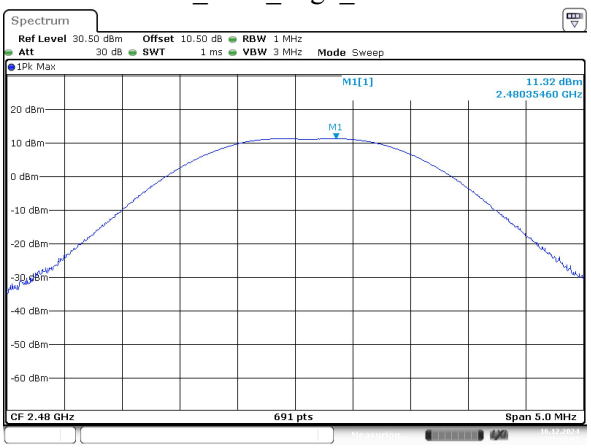
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:12:23

BLE_500k_Middle_Channel



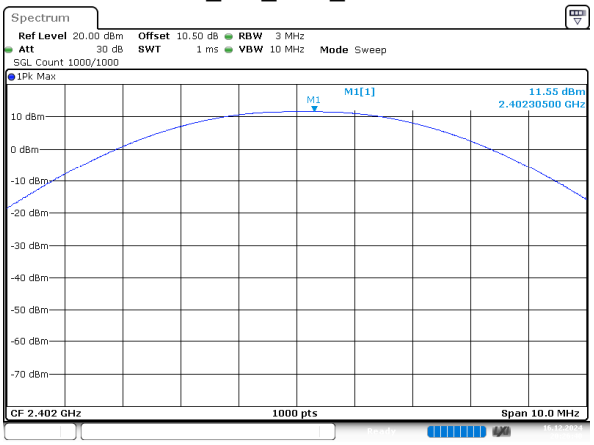
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:11:37

BLE_500k_High_Channel



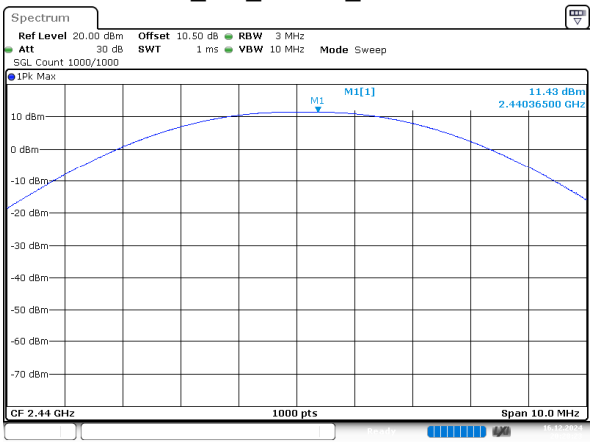
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:12:01

BLE_1M_Low_Channel



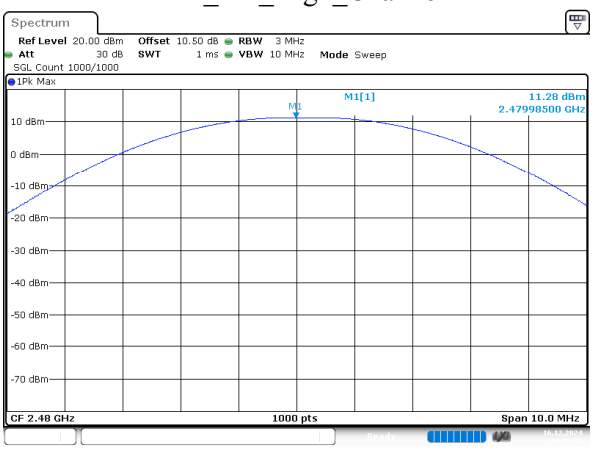
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:26:40

BLE_1M_Middle_Channel



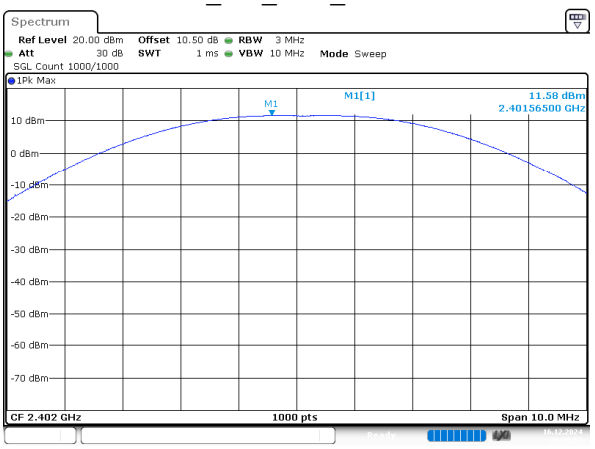
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:28:23

BLE_1M_High_Channel



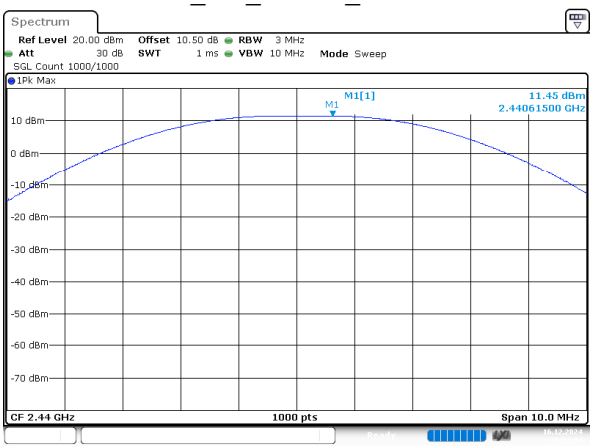
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:29:36

BLE_2M_Low_Channel



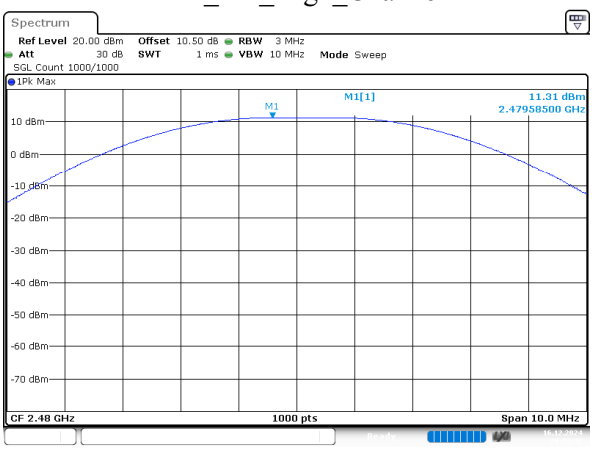
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:30:55

BLE_2M_Middle_Channel



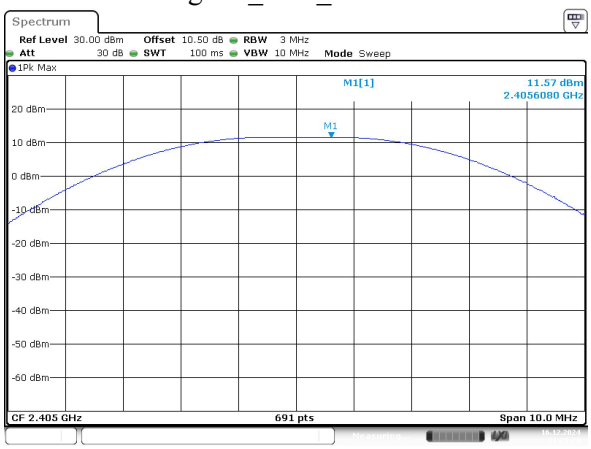
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:32:04

BLE_2M_High_Channel



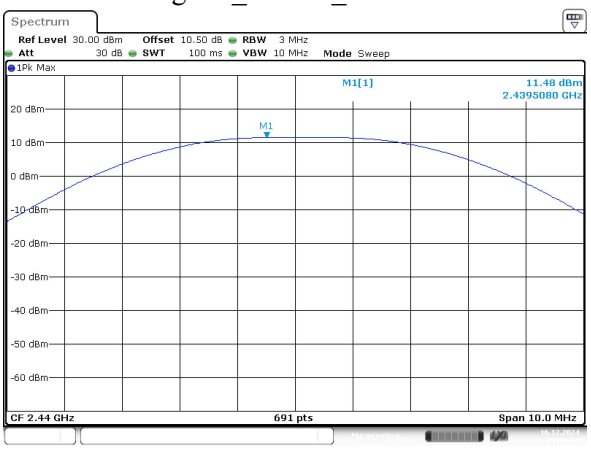
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:33:32

ZigBee_Low_Channel



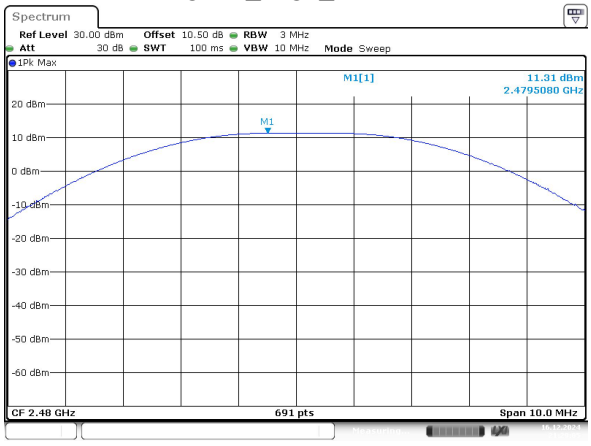
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:29:24

ZigBee_Middle_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:28:46

ZigBee_High_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:29:05

5.6 Power Spectral Density

Serial No.:	2V0Q-1	**Test Date:**	2024/12/16
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tower Qing	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	23.1	**Relative Humidity: (%)**	30	**ATM Pressure: (kPa)**	102.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

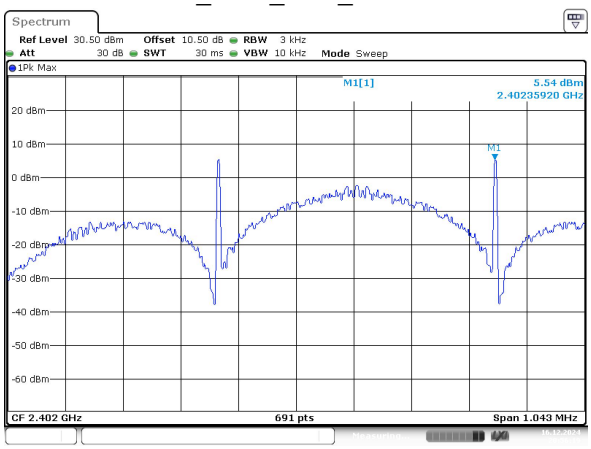
BLE:

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 125kbps Low	5.54	8	Pass
BLE 125kbps Middle	5.38	8	Pass
BLE 125kbps High	5.21	8	Pass
BLE 500kbps Low	-5.15	8	Pass
BLE 500kbps Middle	-5.6	8	Pass
BLE 500kbps High	-5.48	8	Pass
BLE 1Mbps Low	-5.23	8	Pass
BLE 1Mbps Middle	-5.44	8	Pass
BLE 1Mbps High	-5.63	8	Pass
BLE 2Mbps Low	-6.02	8	Pass
BLE 2Mbps Middle	-6.11	8	Pass
BLE 2Mbps High	-6.26	8	Pass

ZigBee:

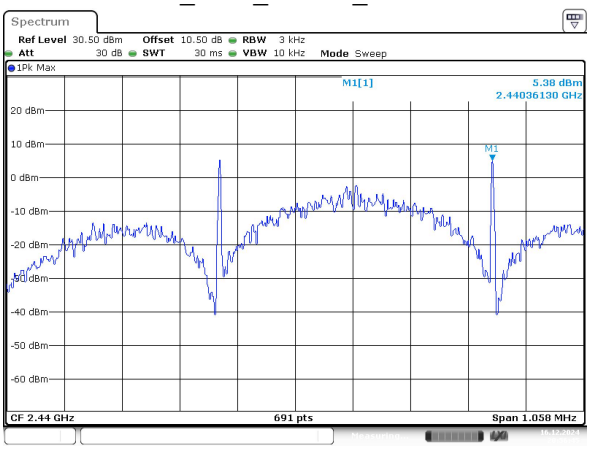
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
ZigBee Low	-3.56	8	Pass
ZigBee Middle	-3.71	8	Pass
ZigBee High	-4.58	8	Pass

BLE_125k_Low_Channel



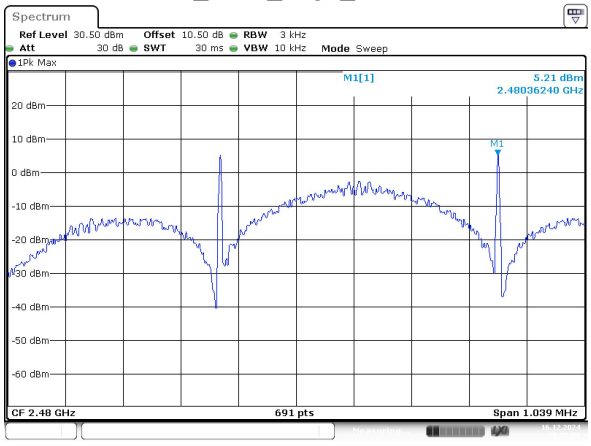
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:56:19

BLE_125k_Middle_Channel



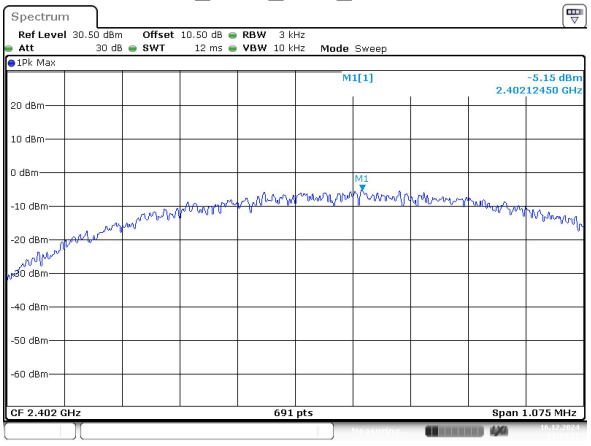
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:56:45

BLE_125k_High_Channel



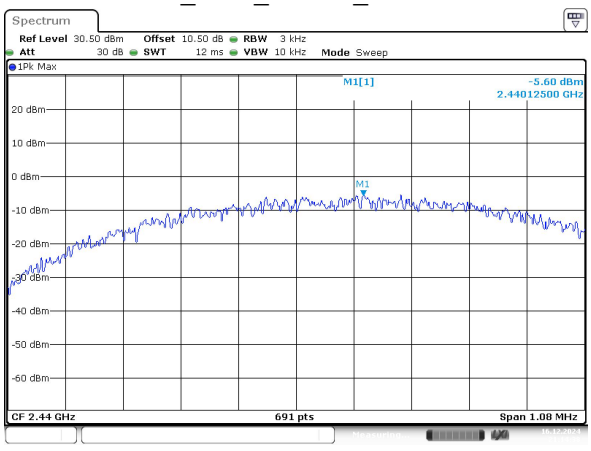
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 20:57:28

BLE_500k_Low_Channel



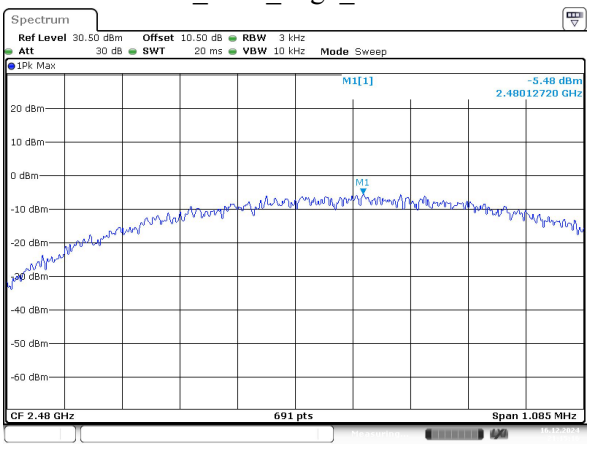
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:14:12

BLE_500k_Middle_Channel



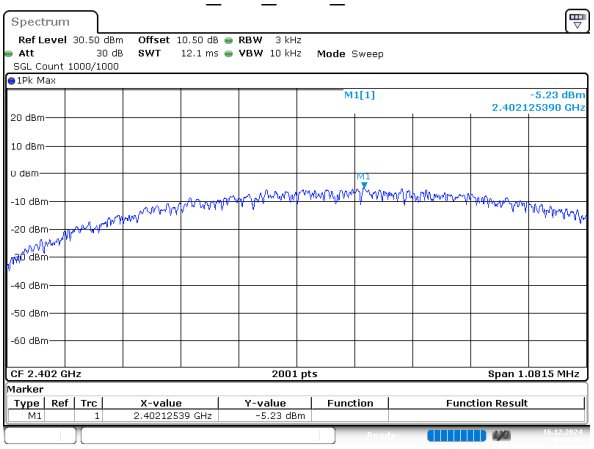
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:14:38

BLE_500k_High_Channel



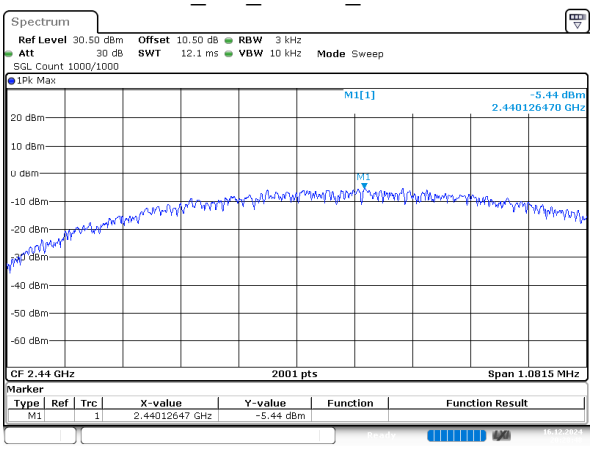
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:15:16

BLE_1M_Low_Channel



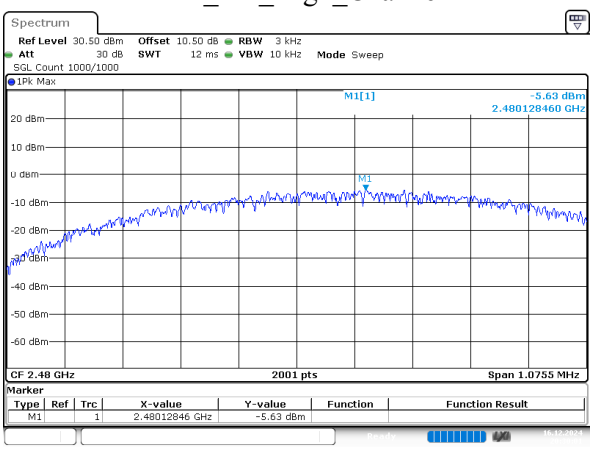
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:27:05

BLE_1M_Middle_Channel



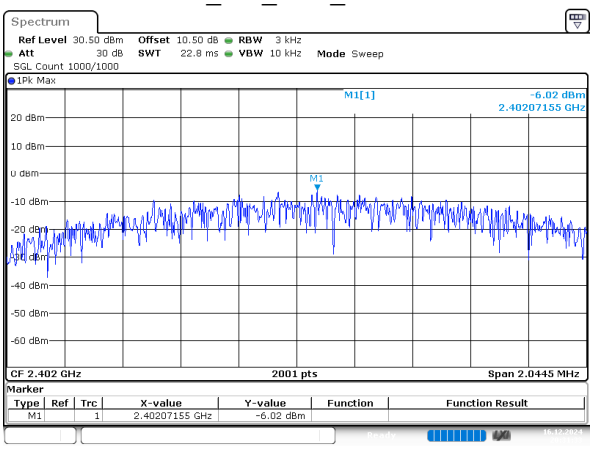
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:28:48

BLE_1M_High_Channel



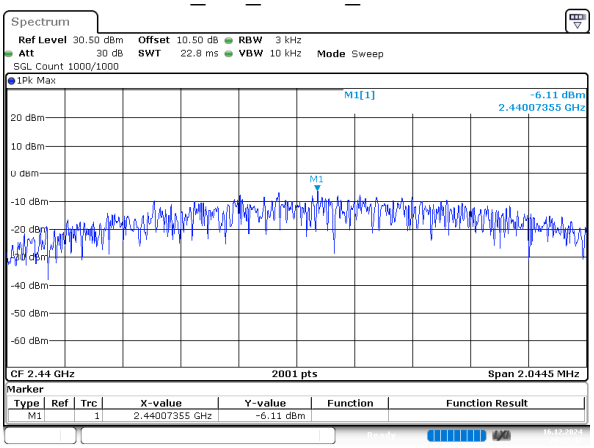
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:30:02

BLE_2M_Low_Channel



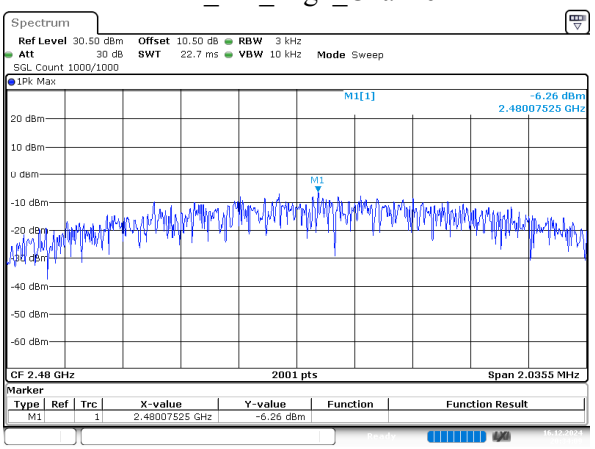
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:31:33

BLE_2M_Middle_Channel



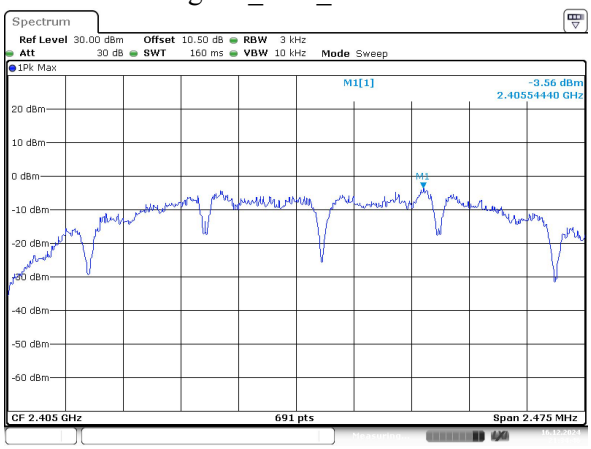
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:32:42

BLE_2M_High_Channel



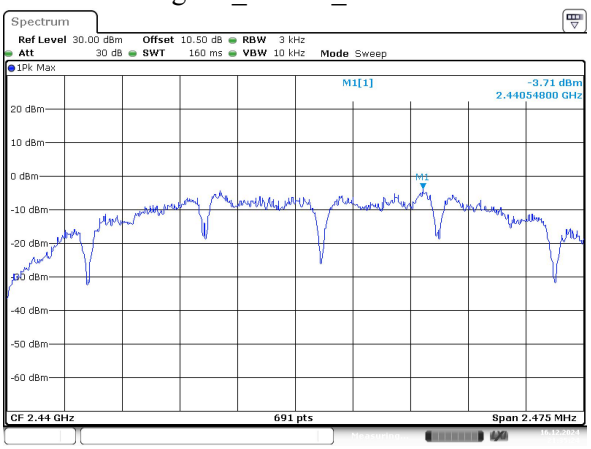
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:34:09

ZigBee_Low_Channel



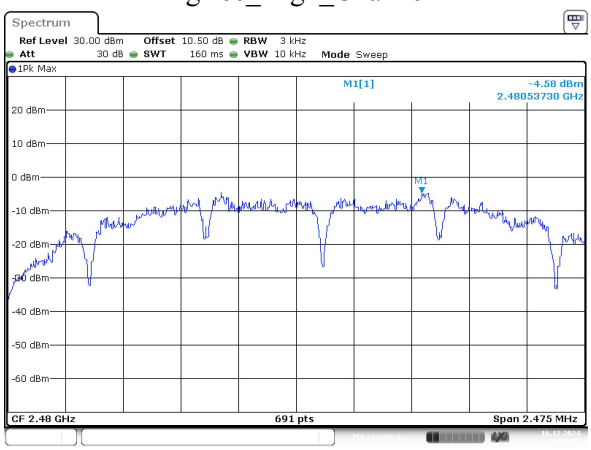
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:34:46

ZigBee_Middle_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:35:24

ZigBee_High_Channel



ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:35:55

5.7 100 kHz Bandwidth of Frequency Band Edge

Serial No.:	2V0Q-1	**Test Date:**	2024/12/16~2024/12/20
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tower Qing	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	23.1~24.4	**Relative Humidity: (%)**	29~30	**ATM Pressure: (kPa)**	102.3~102.5

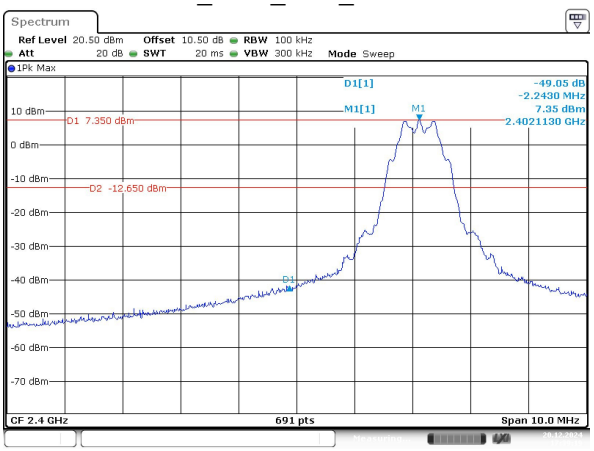
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

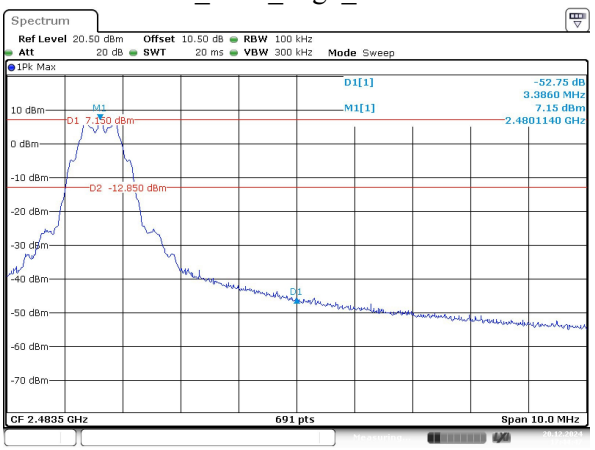
Test Data:

BLE_125k_Low_Channel



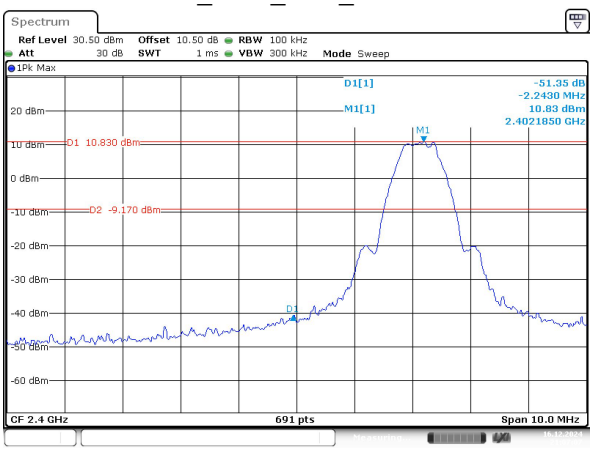
ProjectNo.:2402Y98931 Tester:Tower Qing
Date: 20.DEC.2024 17:39:19

BLE_125k_High_Channel



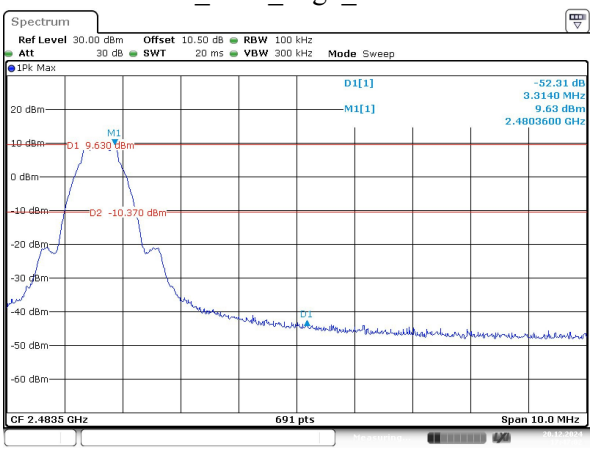
ProjectNo.:2402Y98931 Tester:Tower Qing
Date: 20.DEC.2024 17:44:47

BLE_500k_Low_Channel



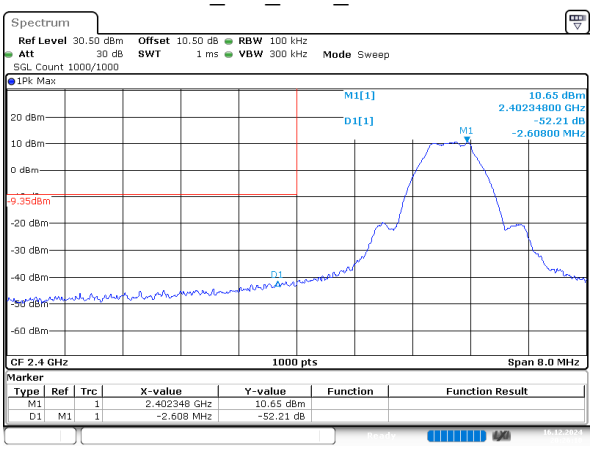
ProjectNo.:2402Y98931E Tester:Tower Qing
Date: 16.DEC.2024 21:07:07

BLE_500k_High_Channel



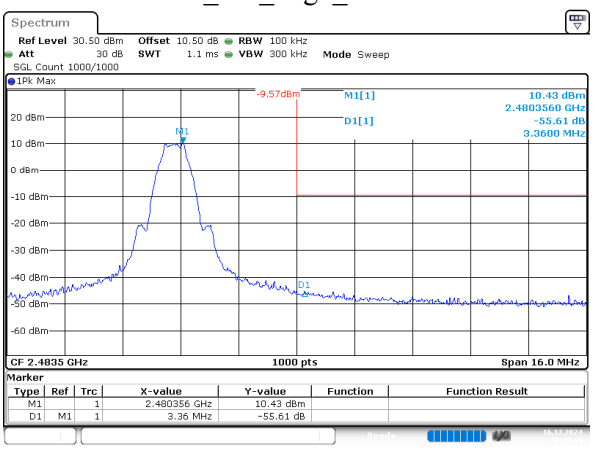
ProjectNo.:2402Y98931 Tester:Tower Qing
Date: 20.DEC.2024 17:47:02

BLE_1M_Low_Channel



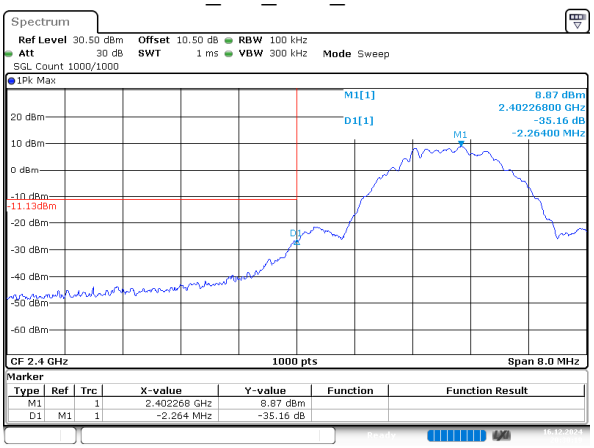
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:26:11

BLE_1M_High_Channel



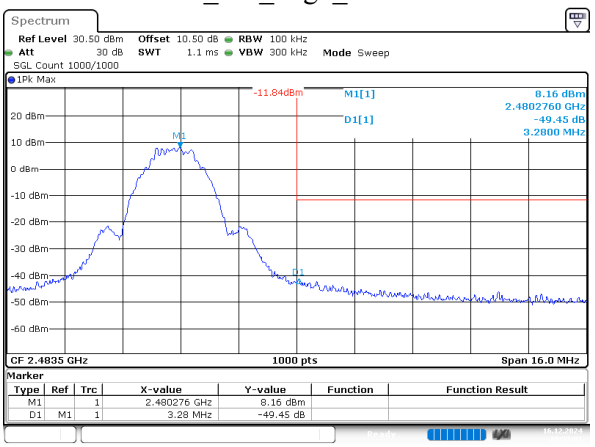
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:29:05

BLE_2M_Low_Channel



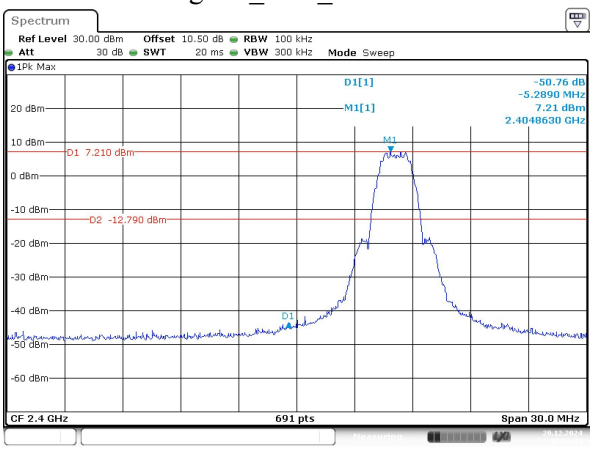
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:30:19

BLE_2M_High_Channel



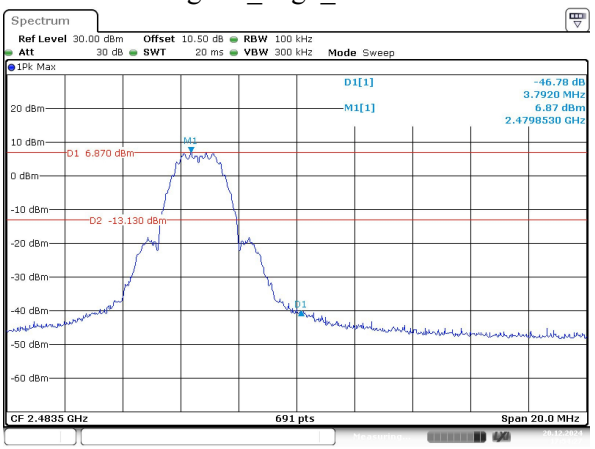
ProjectNo.:2402Y98931E-RF Tester:Tower Qing
Date: 16.DEC.2024 20:33:01

ZigBee_Low_Channel



ProjectNo.:2402Y98931 Tester:Tower Qing
Date: 20.DEC.2024 17:51:34

ZigBee_High_Channel



ProjectNo.:2402Y98931 Tester:Tower Qing
Date: 20.DEC.2024 17:54:27

5.8 Duty Cycle

Serial No.:	2V0Q-1	**Test Date:**	2024/12/16~2024/12/21
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Tower Qing	**Test Result:**	/

Environmental Conditions:

Temperature: (°C):	23.1~24.5	**Relative Humidity: (%)**	29~30	**ATM Pressure: (kPa)**	101.5~102.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

BLE:

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
BLE 125kbps Middle	100	100	100	NA	0.010
BLE 500kbps Middle	100	100	100	NA	0.010
BLE 1Mbps Middle	100	100	100	NA	0.010
BLE 2Mbps Middle	100	100	100	NA	0.010

ZigBee:

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/Ton (Hz)	VBW Setting (kHz)
ZigBee Middle	100	100	100	NA	0.010