TEST REPORT

Applicant Name:	SAILSKY ELECTRONIC LIMITED
Address:	Huixiang Road 5, Jinglian Community, Qiaotou Town, Dongguan, China
Report Number:	SZ3240202-07605E-RF-00A
FCC ID:	2AYB6-MU03040

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type:	PIXEL WALL ART SPEAKER
Model No.:	MU03040
Multiple Model(s) No.:	N/A
Trade Mark:	N/A
Date Received:	2024/02/02
Issue Date:	2024/03/28

Test Result:	Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Jojo Guo
RF Engineer

Approved By:

Nancy Wang
RF Supervisor

Note: The information marked# is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	SZ3240202-07605E-RF-00A	Original Report	2024/03/28

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	PIXEL WALL ART SPEAKER
Tested Model	MU03040
Multiple Model(s)	N /A
UPC Number	1922343043744
SKU Number	9127361
Frequency Range	BLE: 2402-2480MHz
Maximum Conducted Peak Output Power	BLE: -1.88dBm
Modulation Technique	BLE: GFSK
Antenna Specification#	-0.58dBi (provided by the applicant)
Voltage Range	DC 3.7V from battery or DC 5V from USB port
Sample serial number	2HJ4-1 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Objective

This report is in accordance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209, 15.247 rules.

Test Methodology

All tests and measurements indicated in this document were performed in accordance ANSI C63.10-2013.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		0.72 dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz~150 kHz	3.94dB(k=2, 95% level of confidence)
	150 kHz ~30MHz	3.84dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.30dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.35dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.44dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.16dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For BLE mode, 40 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	21	2444
2	2406	22	2446
3	2408	23	2448
4	2410	24	2450
5	2412	25	2452
6	2414	26	2454
7	2416	27	2456
8	2418	28	2458
9	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

EUT was tested with Channel 0, 19 and 39.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

“fcc-assist.1.0.2.2”[#] exercise software was used and the power level is Default [#]. The software and power level was provided by the applicant.

Duty cycle

Please refer to the Appendix.

Support Equipment List and Details

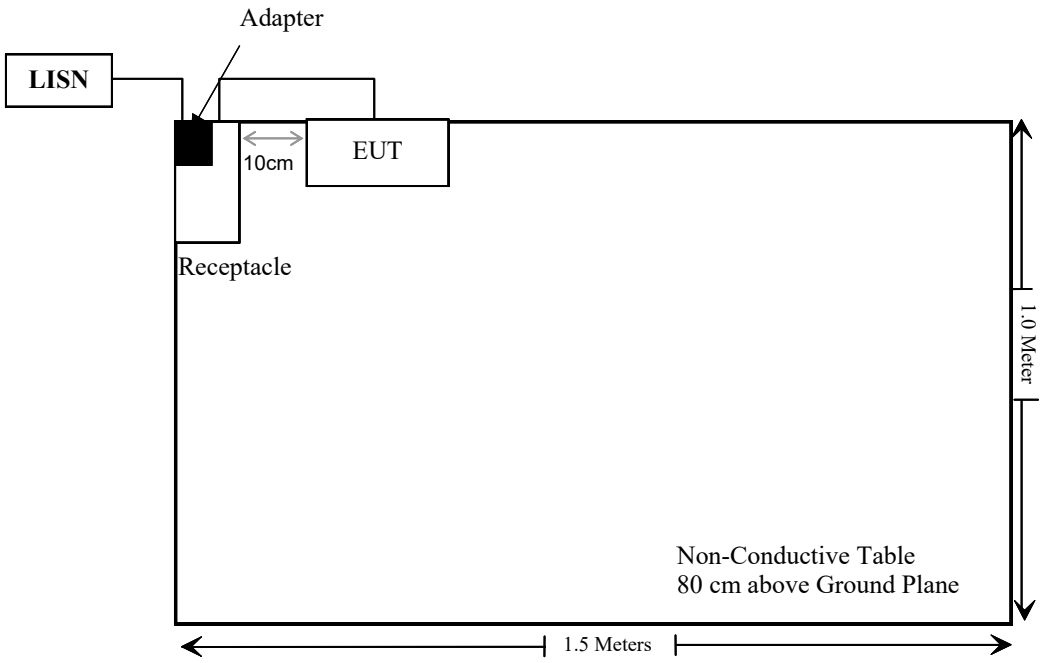
Manufacturer	Description	Model	Serial Number
Unknown	Adapter	Unknown	Unknown

External I/O Cable

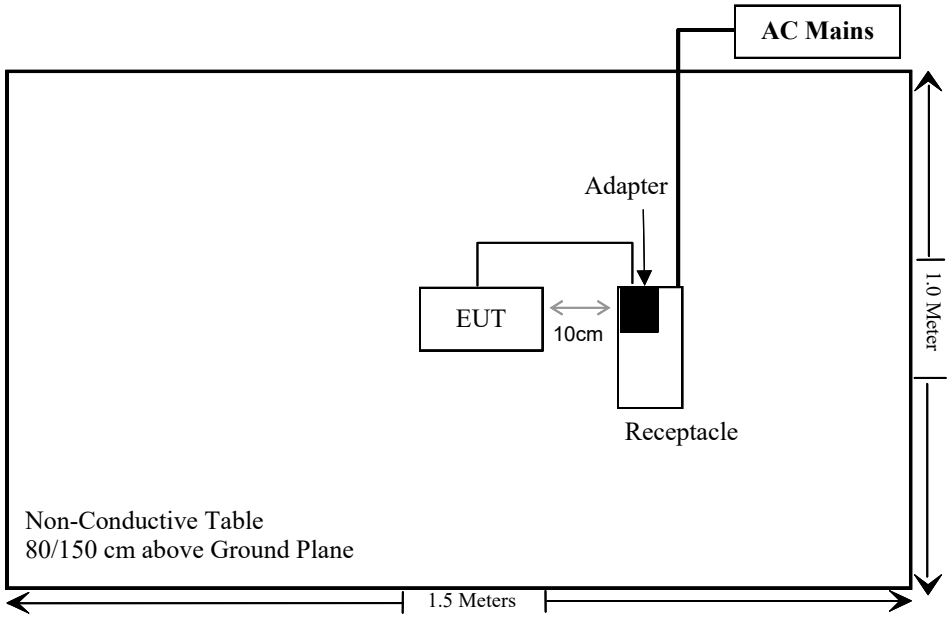
Cable Description	Length (m)	From Port	To
Un-shielding Detachable USB Cable	1.0	EUT	Adapter

Block Diagram of Test Setup

For Conducted Emissions:



For Radiated Emissions:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §2.1091	Maximum Permissible Exposure(MPE)	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(e)	Power Spectral Density	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2023/08/03	2024/08/02
Unknown	CE Cable	CE Cable	UF A210B-1-0720-504504	2023/08/03	2024/08/02
Radiated Emission Test					
R&S	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310 N	186238	2023/06/08	2024/06/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2024/07/19
ETS	Passive Loop Antenna	6512	29604	2023/07/07	2024/07/06
Unknown	Cable	Chamber Cable 1	F-03-EM236	2023/08/03	2024/08/02
Unknown	Cable	Chamber Cable 4	EC-007	2023/08/03	2024/08/02
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2023/04/18	2024/04/17
COM-POWER	Pre-amplifier	PA-122	181919	2023/06/29	2024/06/28
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2024/07/25
Unknown	RF Cable	KMSE	0735	2023/10/08	2024/10/07
Unknown	RF Cable	UFA147	219661	2023/10/08	2024/10/07
Unknown	RF Cable	XH750A-N	J-10M	2023/10/08	2024/10/07
MICRO-TRONICS	2.8G Passband filter	HPM50111	F-03-EM217	2023/08/03	2024/08/02
SNSD	2.4G Band Reject filter	BSF2402-2480MN-0898-001	2.4G filter	2023/08/03	2024/08/02
A.H.System	Pre-amplifier	PAM-1840VH	190	2023/08/03	2024/08/02
Electro-Mechanics Co	Horn Antenna	3116	2026	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2023/08/03	2024/08/02
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
R&S	spectrum analyzer	FSV40	101942	2023/12/18	2024/12/17
BACL	Temperature & Humidity Chamber	BTH-150-40	30145	2024/01/16	2025/01/15
Tonscend	RF control Unit	JS0806-2	19D8060154	2023/09/06	2024/09/05
WEINSCHEL	3dB Attenuator	Unknown	F-03-EM220	2023/07/04	2024/07/03
MARCONI	10dB Attenuator	6534/3	2942	2023/07/04	2024/07/03

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

FCC §15.247 (I) & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (Minutes)**
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm2)
P = power input to the antenna (in appropriate units, e.g., mW).
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Frequency (MHz)	**Antenna Gain#**		**Tune up conducted power#**		**Evaluation Distance (cm)**	**Power Density (mW/cm^2)**	**MPE Limit (mW/cm^2)**
	(dBi)	**(numeric)**	**(dBm)**	**(mW)**			
2402-2480	-0.58	0.875	-1.88	0.6486	20	0.0001	1

Note: To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

According to FCC § 15.203, the applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

Antenna Connector Construction

The EUT has one internal antenna arrangement which was permanently attached and the maximum antenna gain[#] is -0.58dBi, fulfill the requirement of this section. Please refer to the EUT photos.

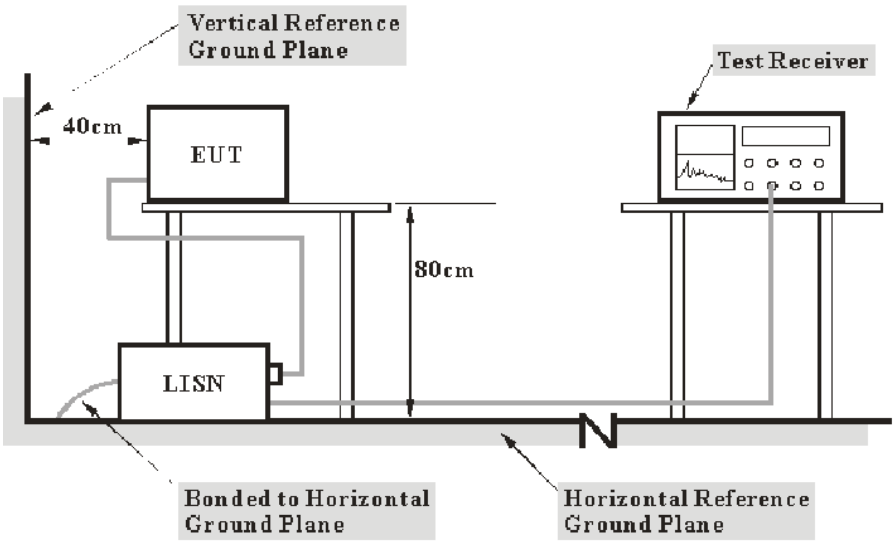
Result: Compliant

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Over Limit Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

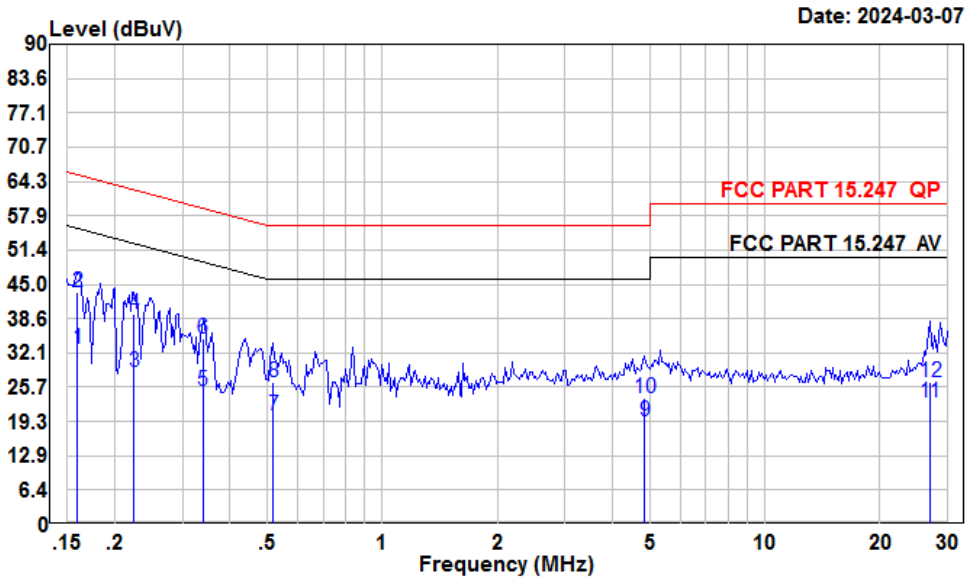
Environmental Conditions

Temperature:	26 ℃
Relative Humidity:	70 %
ATM Pressure:	101 kPa

The testing was performed by Macy Shi on 2024-03-07.

EUT operation mode: Transmitting (Maximum output mode BLE 2M Low Channel)

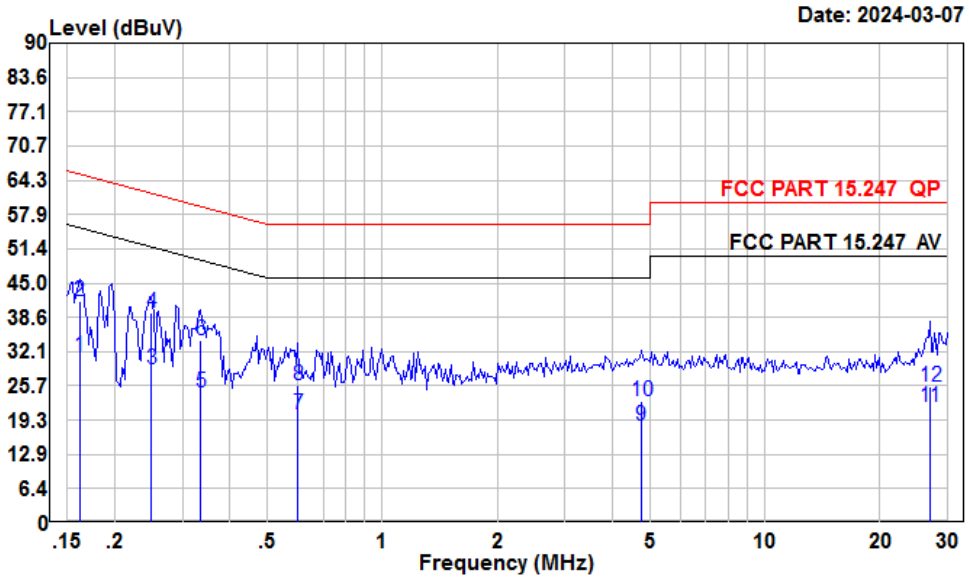
AC 120V/60 Hz, Line



Condition: Line
Project : SZ3240202-07605E-RF
Tester : Macy shi
Note : BLE

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.16	11.91	32.94	10.88	10.15	55.47	-22.53	Average
2	0.16	22.52	43.55	10.88	10.15	65.47	-21.92	QP
3	0.22	7.74	28.65	10.76	10.15	52.66	-24.01	Average
4	0.22	18.44	39.35	10.76	10.15	62.66	-23.31	QP
5	0.34	4.19	24.97	10.63	10.15	49.22	-24.25	Average
6	0.34	14.17	34.95	10.63	10.15	59.22	-24.27	QP
7	0.52	-0.35	20.31	10.50	10.16	46.00	-25.69	Average
8	0.52	6.07	26.73	10.50	10.16	56.00	-29.27	QP
9	4.85	-1.40	19.20	10.37	10.23	46.00	-26.80	Average
10	4.85	3.05	23.65	10.37	10.23	56.00	-32.35	QP
11	26.98	2.02	22.87	10.60	10.25	50.00	-27.13	Average
12	26.98	5.73	26.58	10.60	10.25	60.00	-33.42	QP

AC 120V/60 Hz, Neutral



Condition: Neutral
Project : SZ3240202-07605E-RF
Tester : Macy shi
Note : BLE

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.16	10.51	31.21	10.55	10.15	55.38	-24.17	Average
2	0.16	20.87	41.57	10.55	10.15	65.38	-23.81	QP
3	0.25	8.06	28.74	10.47	10.21	51.78	-23.04	Average
4	0.25	18.73	39.41	10.47	10.21	61.78	-22.37	QP
5	0.34	3.80	24.52	10.57	10.15	49.31	-24.79	Average
6	0.34	13.50	34.22	10.57	10.15	59.31	-25.09	QP
7	0.60	-0.59	20.33	10.70	10.22	46.00	-25.67	Average
8	0.60	4.89	25.81	10.70	10.22	56.00	-30.19	QP
9	4.75	-2.39	18.33	10.49	10.23	46.00	-27.67	Average
10	4.75	2.09	22.81	10.49	10.23	56.00	-33.19	QP
11	26.98	0.92	21.72	10.55	10.25	50.00	-28.28	Average
12	26.98	4.73	25.53	10.55	10.25	60.00	-34.47	QP

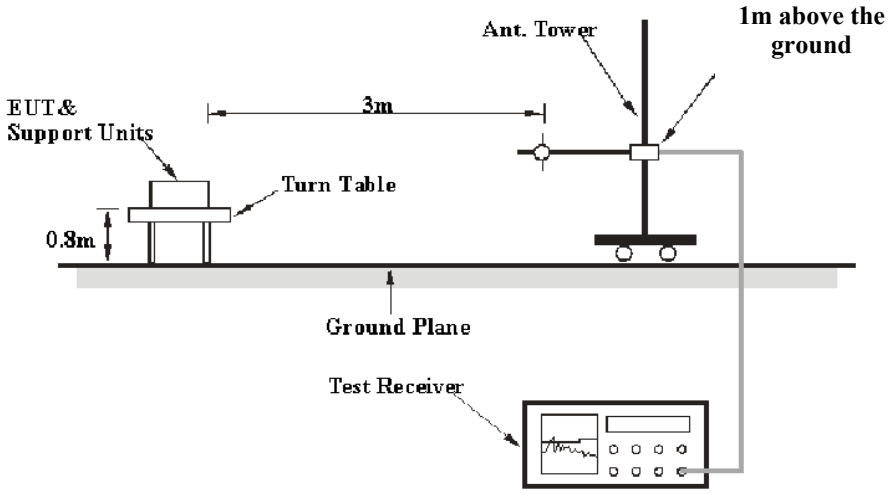
FCC §15.209, §15.205 & §15.247(D) – UNWANTED EMISSION FREQUENCIES AND RESTRICTED BANDS

Applicable Standard

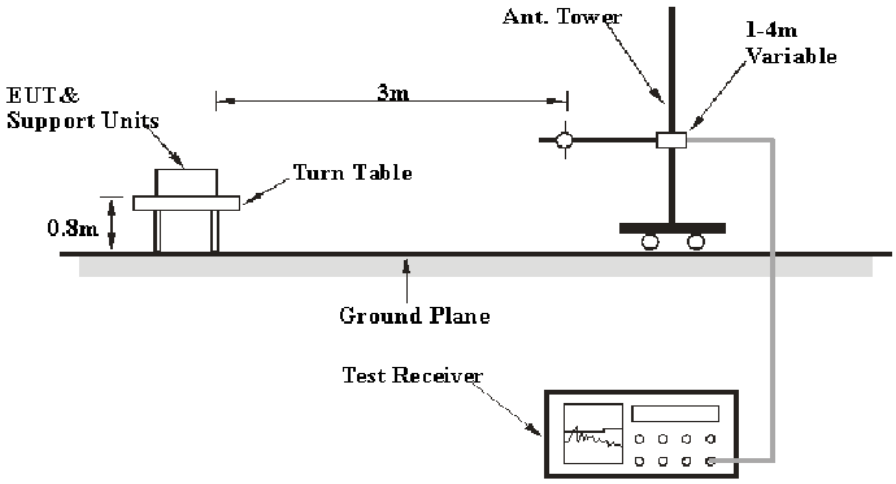
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

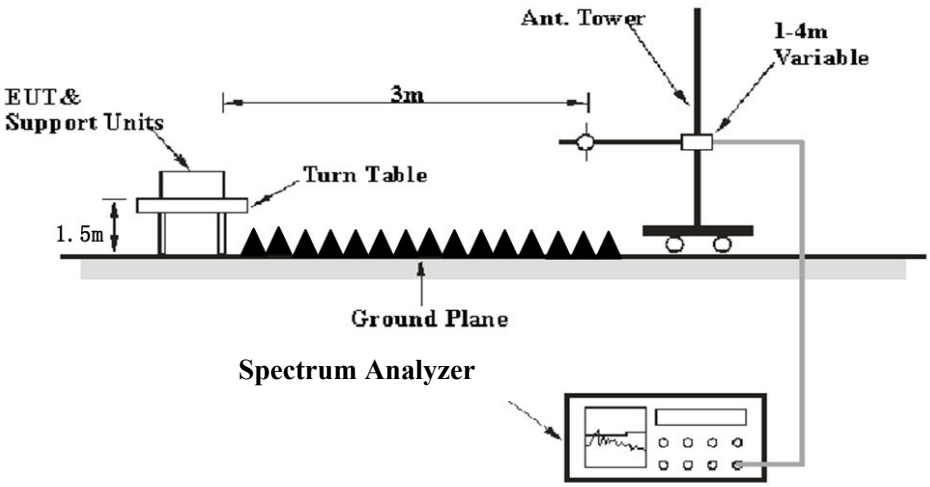
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.205, FCC 15.209, FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9 kHz-1GHz:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	/	/	200 Hz	QP
	300 Hz	1 kHz	/	PK
150 kHz – 30 MHz	/	/	9 kHz	QP
	10 kHz	30 kHz	/	PK
30 MHz – 1000 MHz	/	/	120 kHz	QP
	100 kHz	300 kHz	/	PK

1-25 GHz:

Frequency Range	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	≥1/T

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit/Margin = Level / Corrected Amplitude – Limit
Level / Corrected Amplitude = Read Level + Factor

Test Results Summary

According to the data in the following table, the EUT complied with the FCC 15.205, FCC 15.209, FCC 15.247.

Test Data

Environmental Conditions

Temperature:	23~25.6 ℃
Relative Humidity:	50~55 %
ATM Pressure:	101kPa

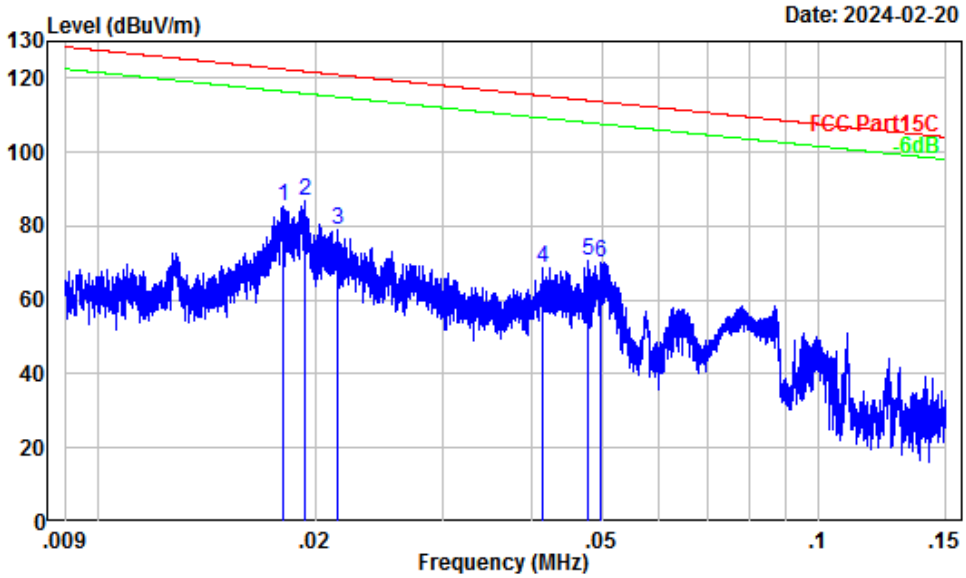
The testing was performed by Anson Su on 2024-02-20 for below 1GHz and Dylan Yang from 2024-02-22 to 2024-03-28 for above 1GHz.

EUT operation mode: Transmitting

Pre-scan in the X, Y and Z axes of orientation, the worst case X-axis of orientation was recorded.

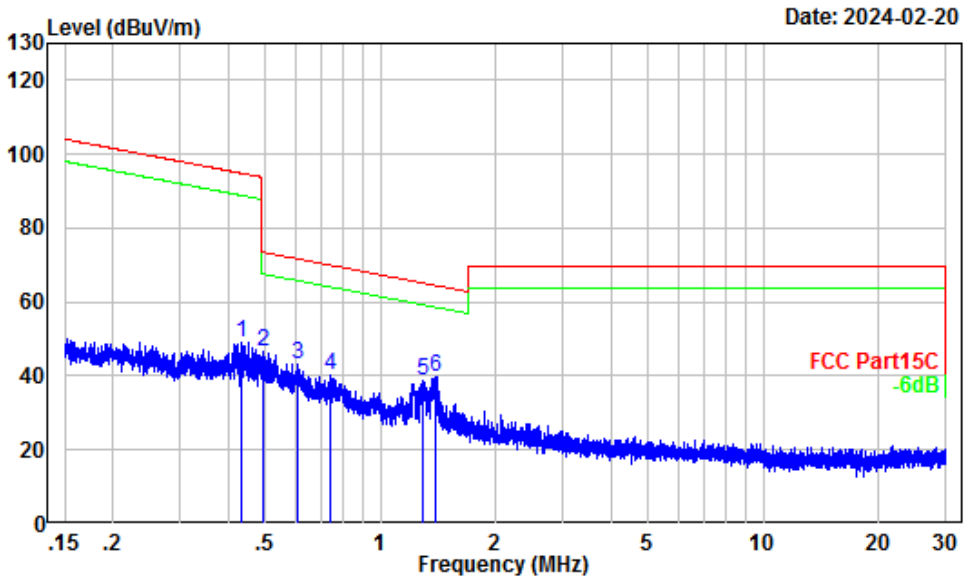
9 kHz-30MHz:

Parallel (worst case) (Maximum output mode BLE 2M Low Channel)



Site : chamber
Condition : 3m
Project Number: SZ3240202-07605E-RF
Note : BLE
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.02	50.81	34.36	85.17	122.44	-37.27	Peak
2	0.02	50.44	36.61	87.05	121.88	-34.83	Peak
3	0.02	49.78	29.09	78.87	120.97	-42.10	Peak
4	0.04	43.66	25.21	68.87	115.28	-46.41	Peak
5	0.05	41.65	28.89	70.54	113.99	-43.45	Peak
6	0.05	41.07	28.99	70.06	113.67	-43.61	Peak

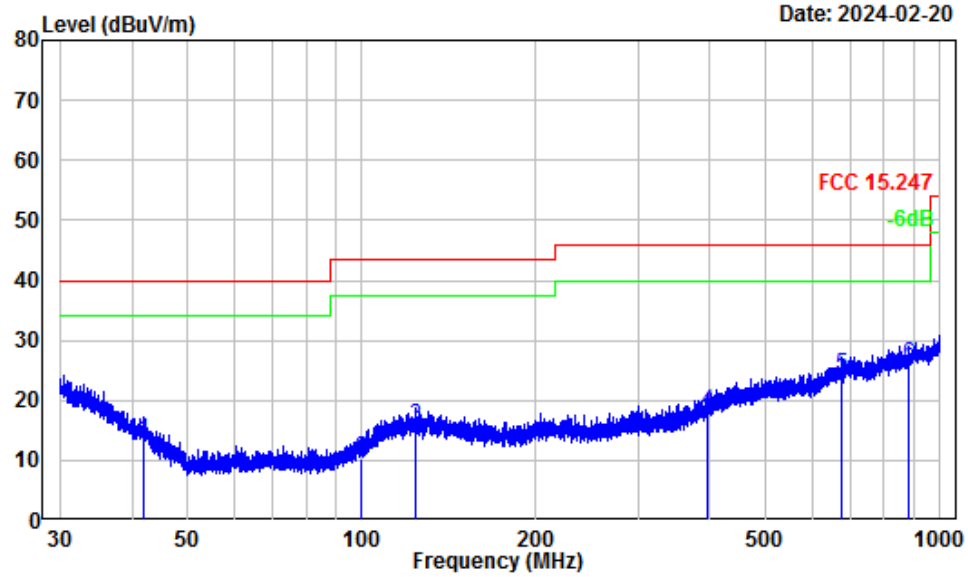


Site : chamber
Condition : 3m
Project Number: SZ3240202-07605E-RF
Note : BLE
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.43	21.88	27.36	49.24	94.86	-45.62	Peak
2	0.50	21.00	25.75	46.75	73.68	-26.93	Peak
3	0.61	19.56	23.77	43.33	71.88	-28.55	Peak
4	0.74	17.71	22.39	40.10	70.12	-30.02	Peak
5	1.29	14.03	24.60	38.63	65.24	-26.61	Peak
6	1.39	13.50	26.34	39.84	64.54	-24.70	Peak

30MHz-1GHz: *(Maximum output mode BLE 2M Low Channel)*

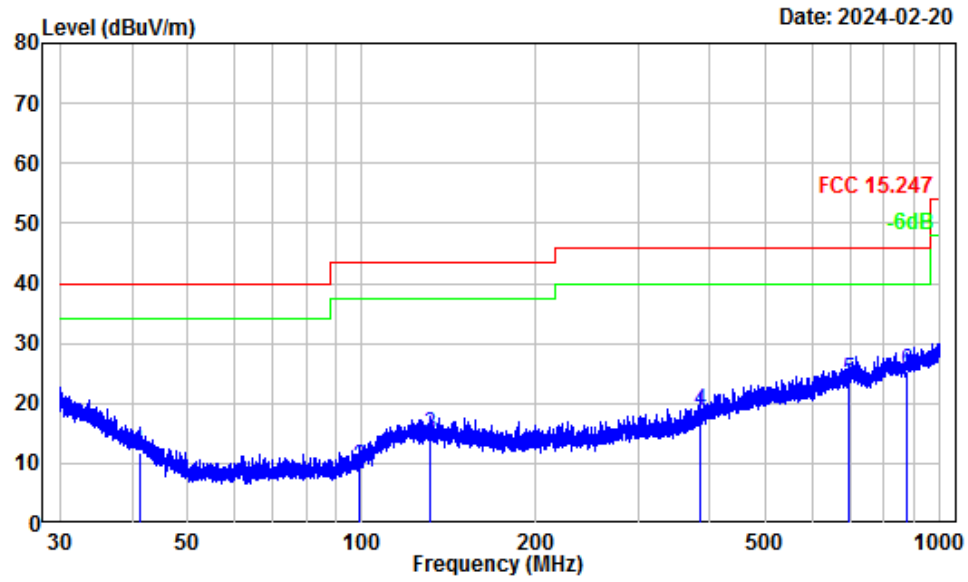
Horizontal



Site : chamber
Condition : 3m Horizontal
Project Number: SZ3240202-07605E-RF
Note : BLE
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	41.79	-11.53	24.78	13.25	40.00	-26.75	QP
2	99.83	-13.77	24.18	10.41	43.50	-33.09	QP
3	123.92	-10.32	26.03	15.71	43.50	-27.79	QP
4	396.59	-7.53	25.58	18.05	46.00	-27.95	QP
5	675.50	-1.97	26.22	24.25	46.00	-21.75	QP
6	880.25	0.68	25.32	26.00	46.00	-20.00	QP

Vertical



Site : chamber
Condition : 3m Vertical
Project Number: SZ3240202-07605E-RF
Note : BLE
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	41.17	-12.55	24.40	11.85	40.00	-28.15	QP
2	99.27	-15.39	24.68	9.29	43.50	-34.21	QP
3	131.18	-10.84	25.56	14.72	43.50	-28.78	QP
4	384.94	-8.34	27.10	18.76	46.00	-27.24	QP
5	695.03	-2.00	25.76	23.76	46.00	-22.24	QP
6	874.48	0.25	25.14	25.39	46.00	-20.61	QP

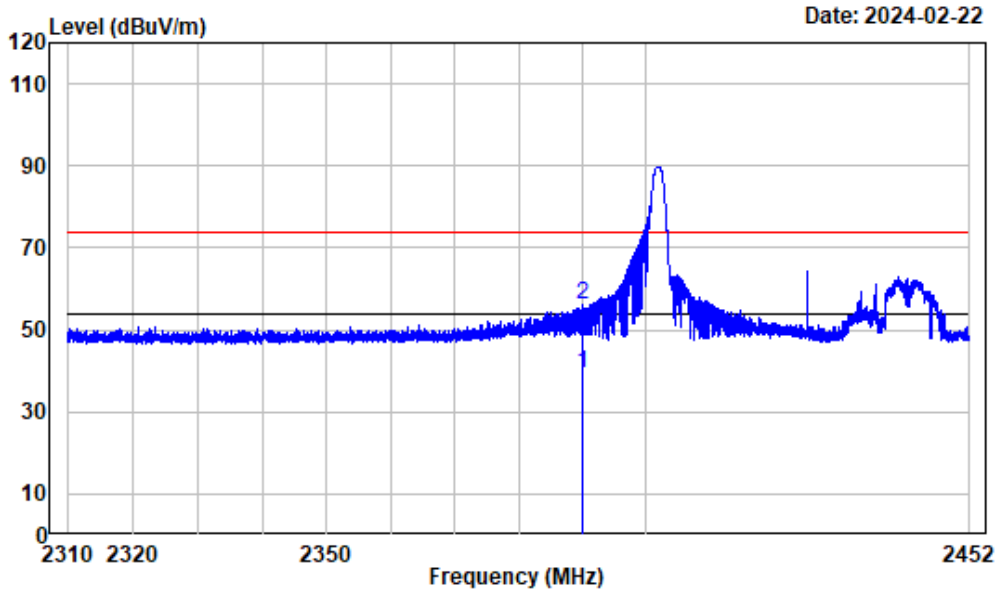
1-25 GHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
BLE 1M							
Low Channel 2402MHz							
4804.00	49.19	PK	H	2.42	51.61	74	-22.39
4804.00	42.95	AV	H	2.42	45.37	54	-8.63
4804.00	47.89	PK	V	2.42	50.31	74	-23.69
4804.00	41.33	AV	V	2.42	43.75	54	-10.25
Middle Channel 2440MHz							
4880.00	50.35	PK	H	2.58	52.93	74	-21.07
4880.00	44.67	AV	H	2.58	47.25	54	-6.75
4880.00	50.23	PK	V	2.58	52.81	74	-21.19
4880.00	43.85	AV	V	2.58	46.43	54	-7.57
High Channel 2480MHz							
4960.00	50.32	PK	H	2.68	53.00	74	-21.00
4960.00	45.88	AV	H	2.68	48.56	54	-5.44
4960.00	50.74	PK	V	2.68	53.42	74	-20.58
4960.00	46.47	AV	V	2.68	49.15	54	-4.85
BLE 2M							
Low Channel 2402MHz							
4804.00	49.39	PK	H	2.42	51.81	74	-22.19
4804.00	43.67	AV	H	2.42	46.09	54	-7.91
4804.00	47.42	PK	V	2.42	49.84	74	-24.16
4804.00	41.89	AV	V	2.42	44.31	54	-9.69
Middle Channel 2440MHz							
4880.00	50.12	PK	H	2.58	52.70	74	-21.30
4880.00	44.84	AV	H	2.58	47.42	54	-6.58
4880.00	48.77	PK	V	2.58	51.35	74	-22.65
4880.00	43.82	AV	V	2.58	46.40	54	-7.60
High Channel 2480MHz							
4960.00	50.52	PK	H	2.68	53.20	74	-20.80
4960.00	47.82	AV	H	2.68	50.50	54	-3.50
4960.00	50.33	PK	V	2.68	53.01	74	-20.99
4960.00	46.99	AV	V	2.68	49.67	54	-4.33

Note:
Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Corrected Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.

Test plots for Band Edge Measurements (Radiated):

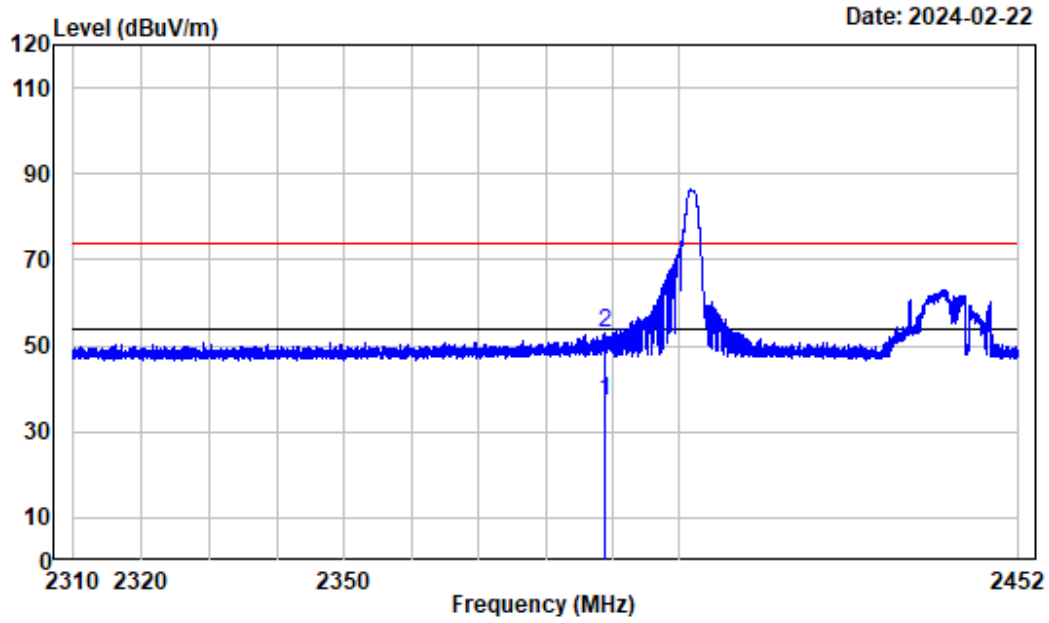
BLE 1M			
Test Channel:	**2402MHz**	**Ant. Polar. :**	**Horizontal**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE1M_2402

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2389.928	-3.20	42.57	39.37	54.00	Average	-14.63
2	2389.928	-3.20	59.35	56.15	74.00	peak	-17.85

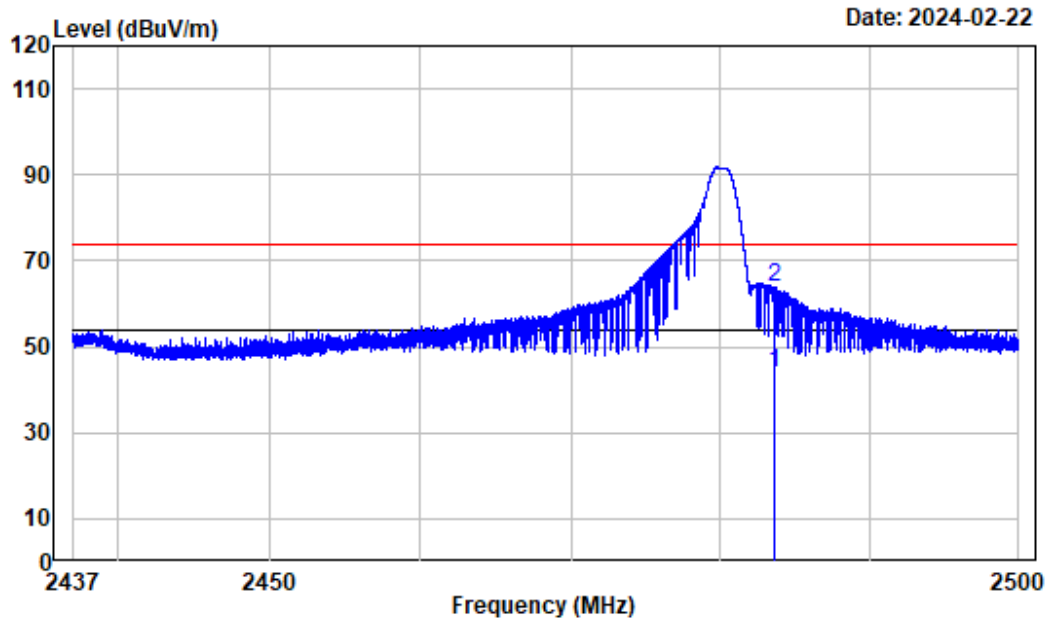
BLE 1M			
Test Channel:	**2402MHz**	**Ant. Polar. :**	**Vertical**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Vertical
Note : BLE1M_2402

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2388.899	-3.20	40.22	37.02	54.00	Average	-16.98
2	2388.899	-3.20	56.16	52.96	74.00	peak	-21.04

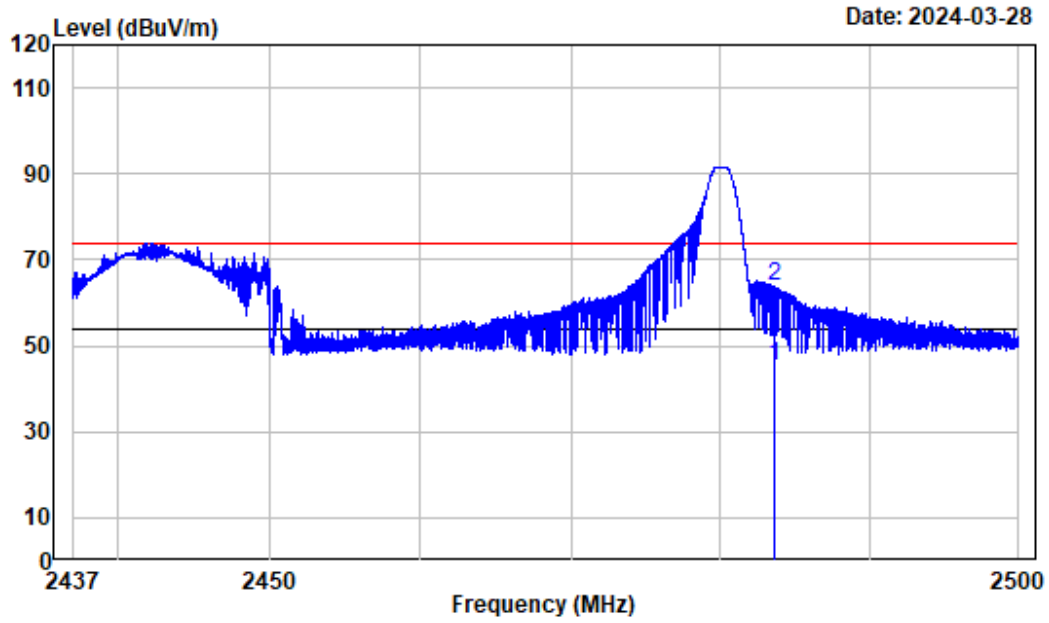
BLE 1M			
Test Channel:	**2480MHz**	**Ant. Polar. :**	**Horizontal**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE1M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2483.557	-3.17	47.01	43.84	54.00	Average	-10.16
2	2483.557	-3.17	66.88	63.71	74.00	peak	-10.29

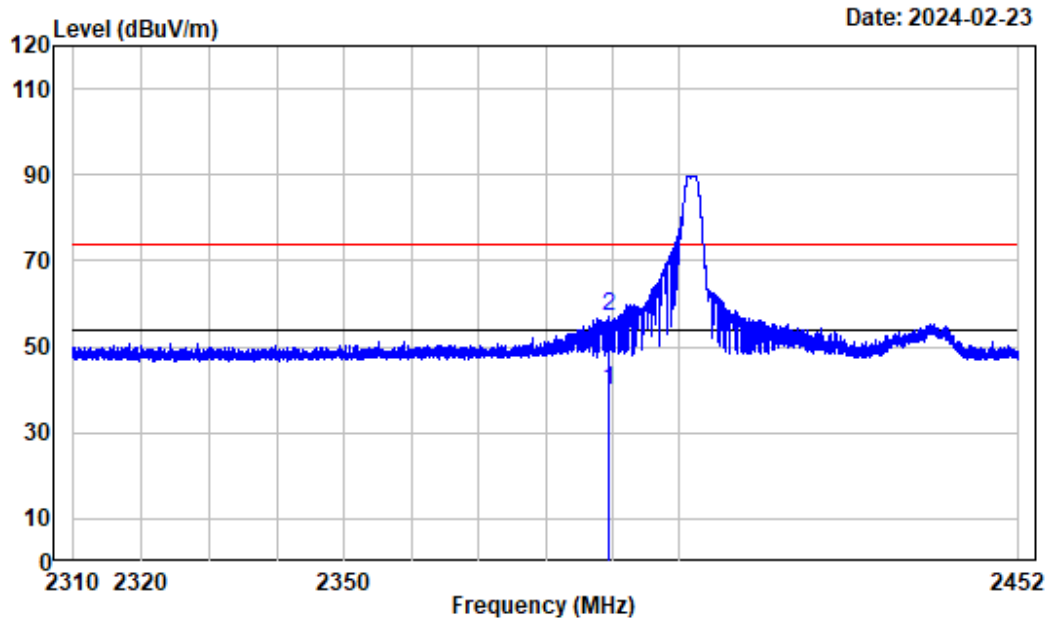
BLE 1M			
Test Channel:	**2480MHz**	**Ant. Polar. :**	**Vertical**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Vertical
Note : BLE1M_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.557	-3.17	48.24	45.07	54.00	-8.93	Average
2	2483.557	-3.17	67.02	63.85	74.00	-10.15	peak

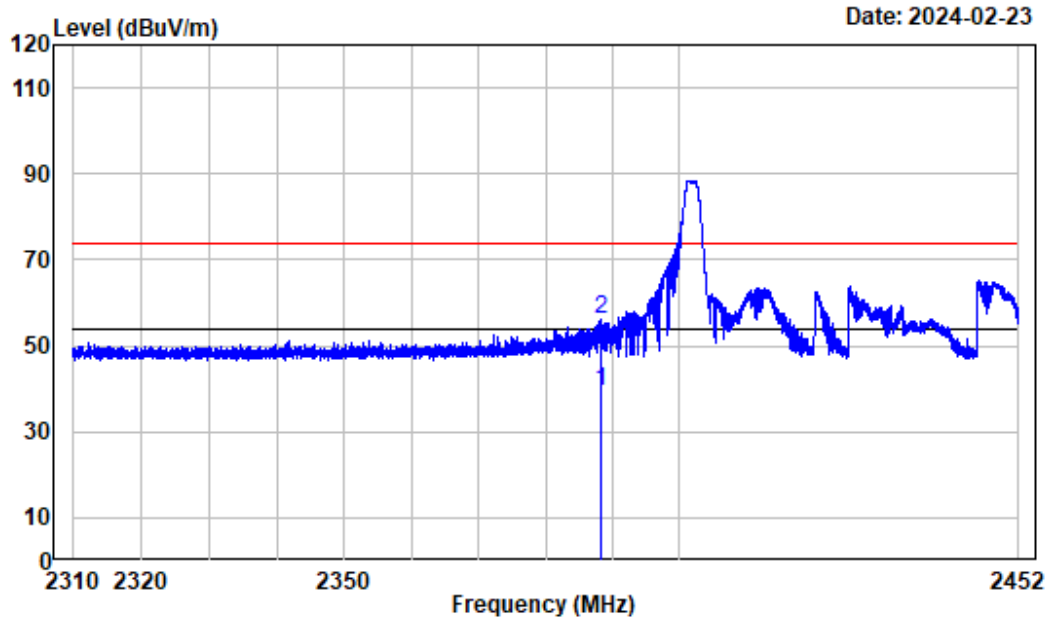
BLE 2M			
Test Channel:	**2402MHz**	**Ant. Polar. :**	**Horizontal**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE2M_2402

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2389.414	-3.20	43.12	39.92	54.00	Average	-14.08
2	2389.414	-3.20	60.19	56.99	74.00	peak	-17.01

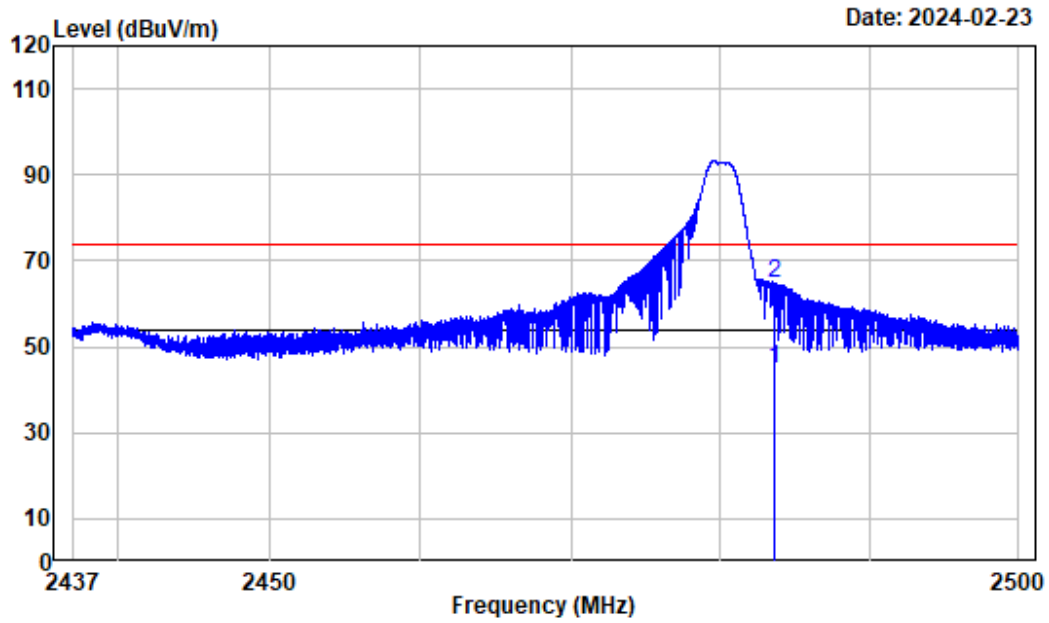
BLE 2M			
Test Channel:	**2402MHz**	**Ant. Polar. :**	**Vertical**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Vertical
Note : BLE2M_2402

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2388.278	-3.20	42.67	39.47	54.00	Average	-14.53
2	2388.278	-3.20	59.28	56.08	74.00	peak	-17.92

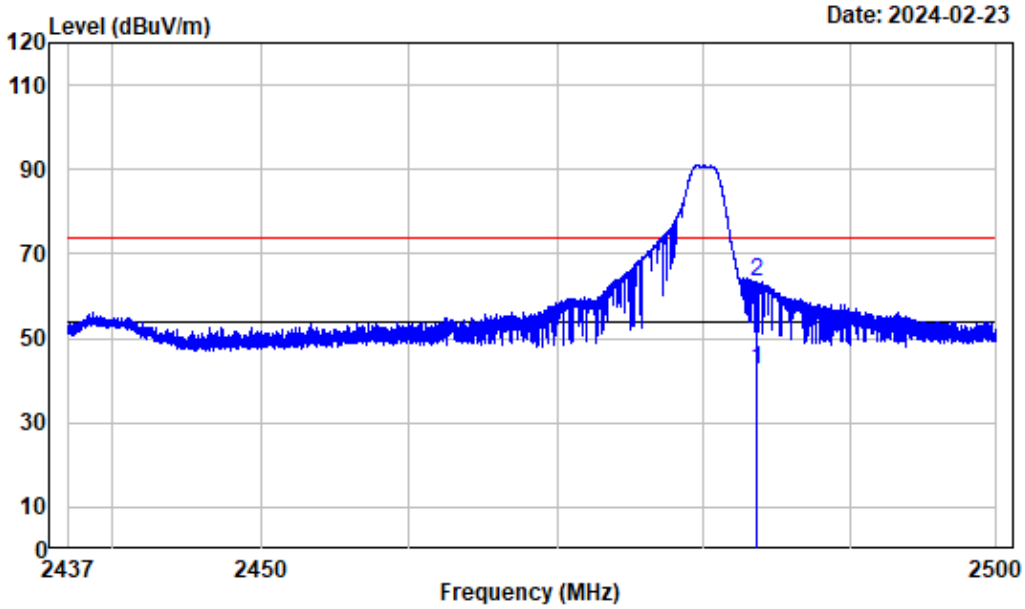
BLE 2M			
Test Channel:	**2480MHz**	**Ant. Polar. :**	**Horizontal**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2483.541	-3.17	47.97	44.80	54.00	Average	-9.20
2	2483.541	-3.17	68.11	64.94	74.00	peak	-9.06

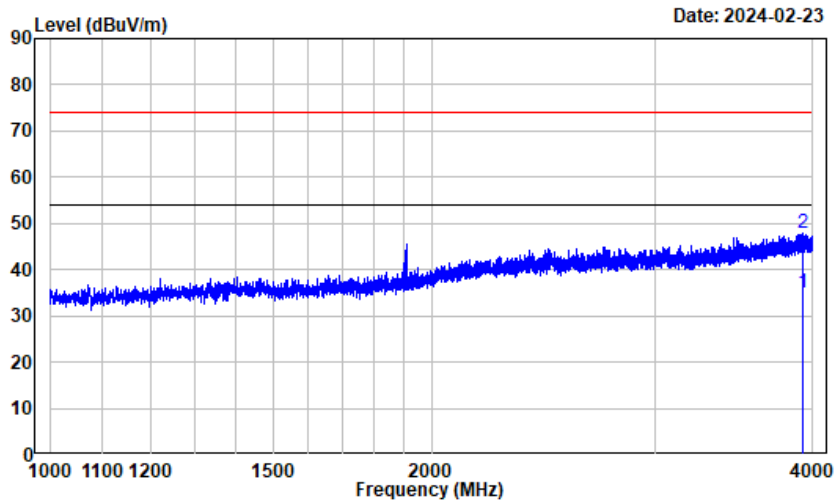
BLE 2M			
Test Channel:	**2480MHz**	**Ant. Polar. :**	**Vertical**



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Vertical
Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	2483.533	-3.17	45.88	42.71	54.00	Average	-11.29
2	2483.533	-3.17	66.60	63.43	74.00	peak	-10.57

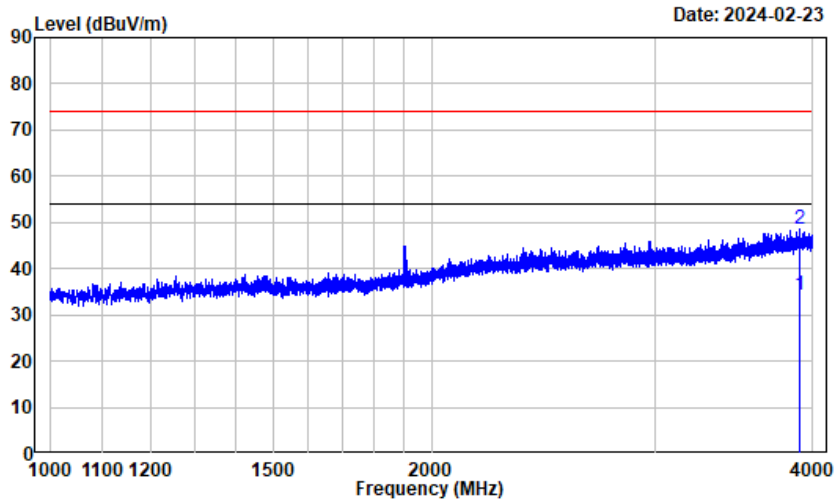
Listed with the worst harmonic margin test plot (BLE 2M High Channel was the worst):

Horizontal	
1-4GHz	 Project No. : SZ3240202-07605E Tester : Dylan Polarization: Horizontal Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	3926.125	-0.33	35.41	35.08	54.00	Average	-18.92
2	3926.125	-0.33	48.28	47.95	74.00	Peak	-26.05

Vertical

1-4GHz

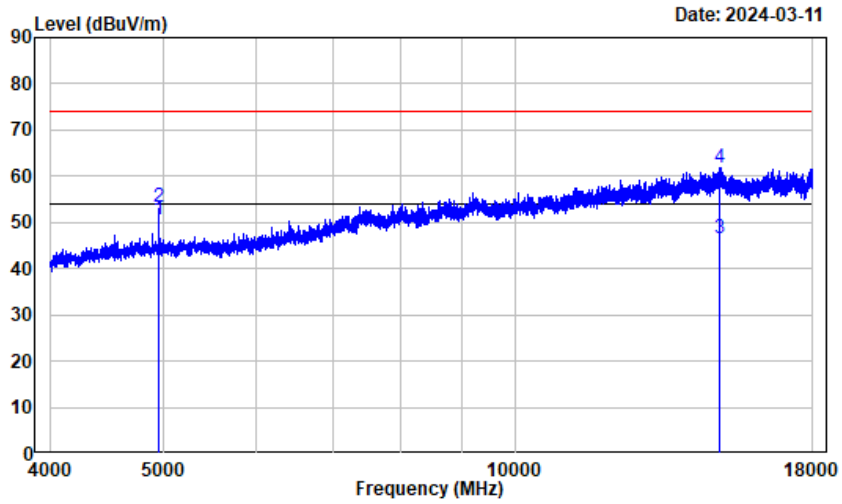


Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Vertical
Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	3905.125	-0.49	34.78	34.29	54.00	Average	-19.71
2	3905.125	-0.49	48.90	48.41	74.00	Peak	-25.59

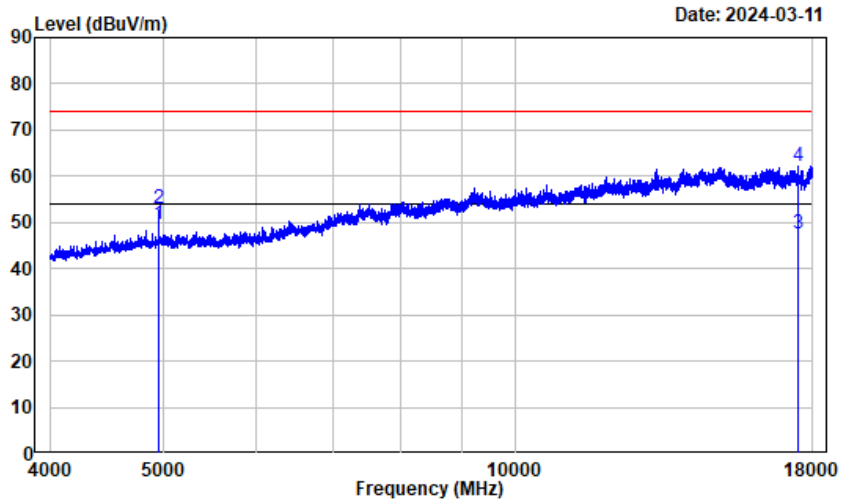
Horizontal

4-18GHz



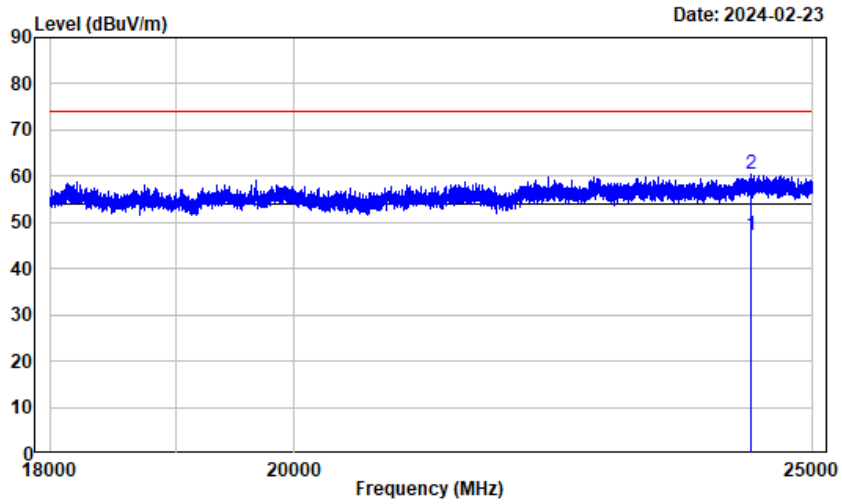
Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	4960.000	2.68	47.82	50.50	54.00	Average	-3.50
2	4960.000	2.68	50.52	53.20	74.00	Peak	-20.80
3	14983.000	16.37	30.21	46.58	54.00	Average	-7.42
4	14983.000	16.37	45.57	61.94	74.00	Peak	-12.06

Vertical	
4-18GHz	 Project No. : SZ3240202-07605E Tester : Dylan Polarization: Vertical Note : BLE2M_2480 | | Freq | Factor | Read Level | Level | Limit Line | Remark | Over Limit | | | MHz | dB/m | dBuV | dBuV/m | dBuV/m | | dB | | 1 | 4960.000 | 2.68 | 46.99 | 49.67 | 54.00 | Average | -4.33 | | 2 | 4960.000 | 2.68 | 50.33 | 53.01 | 74.00 | Peak | -20.99 | | 3 | 17513.500 | 20.40 | 27.26 | 47.66 | 54.00 | Average | -6.34 | | 4 | 17513.500 | 20.40 | 41.82 | 62.22 | 74.00 | Peak | -11.78 |

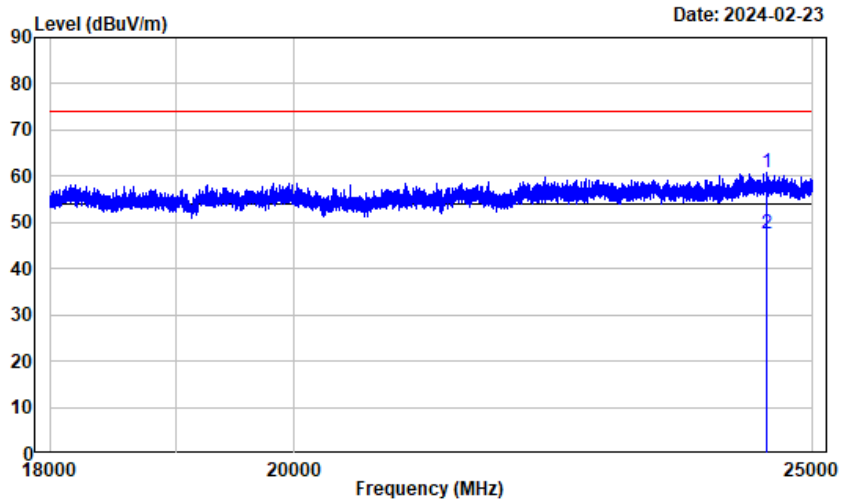
Horizontal

18-25GHz



Project No. : SZ3240202-07605E
Tester : Dylan
Polarization: Horizontal
Note : BLE2M_2480

	Freq	Factor	Read Level	Level	Limit Line	Remark	Over Limit
	MHz	dB/m	dBuV	dBuV/m	dBuV/m		dB
1	24349.000	18.64	28.67	47.31	54.00	Average	-6.69
2	24349.000	18.64	41.73	60.37	74.00	Peak	-13.63

Vertical	
18-25GHz	 Project No. : SZ3240202-07605E Tester : Dylan Polarization: Vertical Note : BLE2M_2480 Freq / Factor / Read Level / Limit Level / Limit Line / Remark / Over Limit MHz / dB/m / dBuV / dBuV/m / dBuV/m / / dB 1 24502.130 19.00 41.89 60.89 74.00 Peak -13.11 2 24502.130 19.00 28.63 47.63 54.00 Average -6.37

FCC §15.247(a) (2) –6 dB EMISSON BANDWIDTH

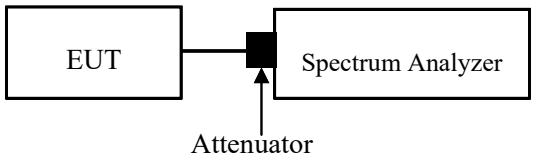
Standard Applicable

According to FCC §15.247(a) (2)
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.8.1 & Clause 6.9.3

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 6 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.



Test Data

Environmental Conditions

Temperature:	25.3 ℃
Relative Humidity:	54 %
ATM Pressure:	101 kPa

The testing was performed by Tom Liu on 2024-02-26.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.247(b) (3)- PEAK OUTPUT POWER MEASUREMENT

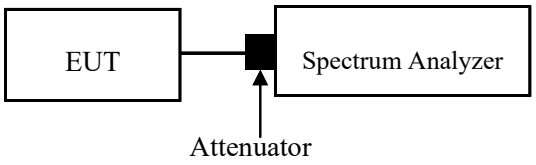
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.9.1.1

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.



Test Data

Environmental Conditions

Temperature:	25.3 ℃
Relative Humidity:	54 %
ATM Pressure:	101 kPa

The testing was performed by Tom Liu on 2024-02-26.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.247(e) – POWER SPECTRAL DENSITY

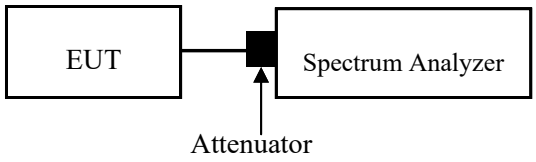
Applicable Standard

According to FCC §15.247(e):
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.10.2

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW to: 3kHz≤ RBW≤100 kHz.
3. Set the VBW ≥ 3×RBW.
4. Set the span to 1.5 times the DTS bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



Test Data

Environmental Conditions

Temperature:	25.3 ℃
Relative Humidity:	54 %
ATM Pressure:	101 kPa

The testing was performed by Tom Liu on 2024-02-26.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

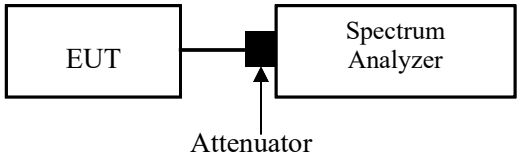
FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required

Test Procedure



Test Method: ANSI C63.10-2013 Clause 11.11

1. Set the RBW =100 kHz.
2. Set the VBW ≥ 3×RBW.
3. Detector = peak
4. Sweep time = auto couple.
5. Trace mode=max hold
6. All trace to fully stabilize
7. Use the peak marker function to determine the maximum amplitude level.
   Ensure that amplitude of all unwanted emissions outside of the authorized frequency band(excluding restricted frequency bands) is attenuated by at least the minimum requirement specified in 11.11.
   Report the three highest emissions relative to the limit.

Test Data

Environmental Conditions

Temperature:	25.3 ℃
Relative Humidity:	54 %
ATM Pressure:	101 kPa

The testing was performed by Tom Liu on 2024-02-26.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

EUT PHOTOGRAPHS

Please refer to the attachment SZ3240202-07605E-RF External photo and SZ3240202-07605E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment SZ3240202-07605E-RF Test Setup photo.

APPENDIX

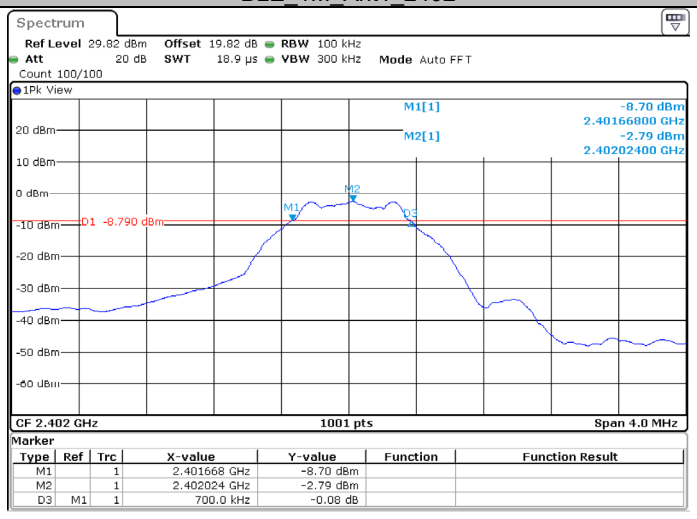
Appendix A: DTS Bandwidth

Test Result

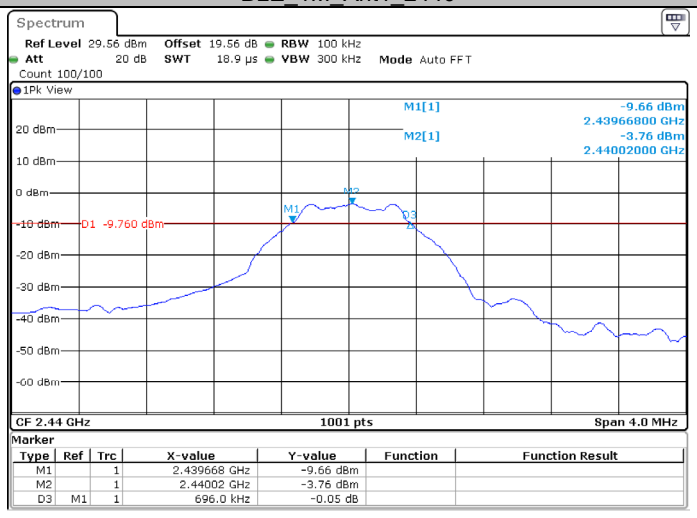
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.67	2402.37	0.5	PASS
		2440	0.70	2439.67	2440.36	0.5	PASS
		2480	0.70	2479.66	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.15	2401.44	2402.59	0.5	PASS
		2440	1.15	2439.44	2440.59	0.5	PASS
		2480	1.15	2479.44	2480.59	0.5	PASS

Test Graphs

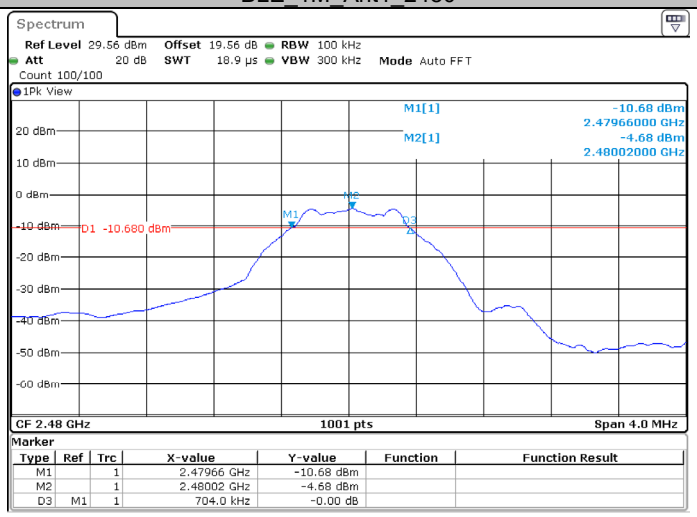
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

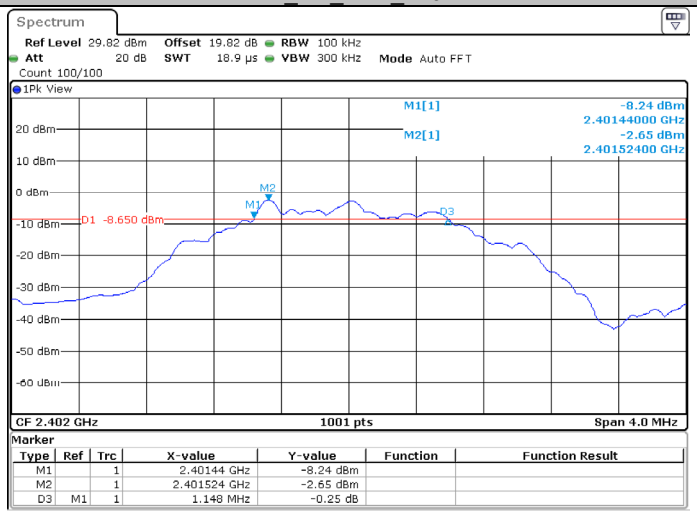


BLE_1M_Ant1_2480



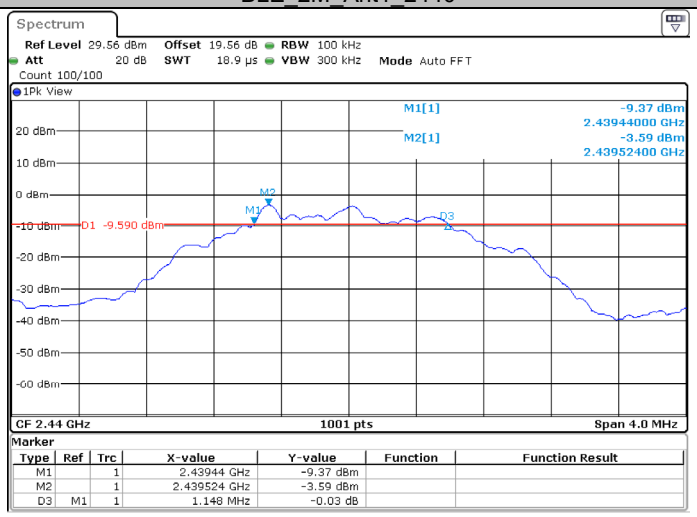
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:08

BLE_2M_Ant1_2402



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:58

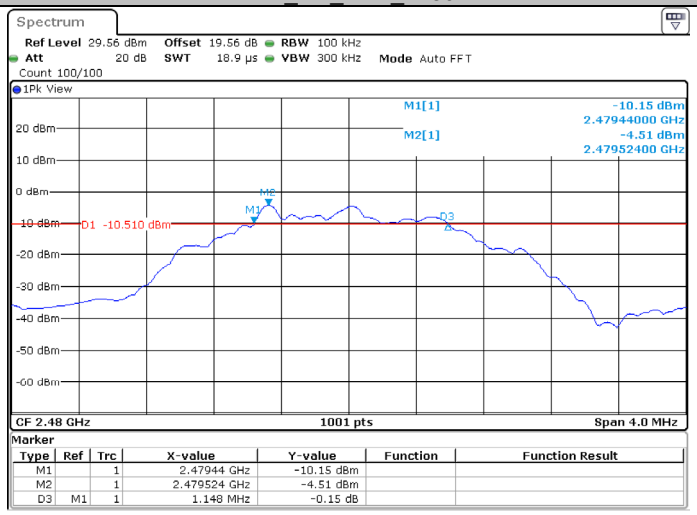
BLE_2M_Ant1_2440



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu

Date: 26.FEB.2024 09:07:16

BLE_2M_Ant1_2480



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu

Date: 26.FEB.2024 09:08:04

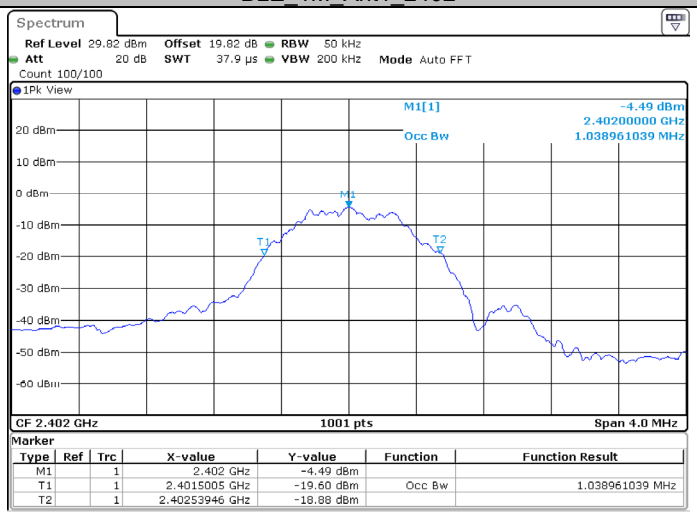
Appendix B: Occupied Channel Bandwidth

Test Result

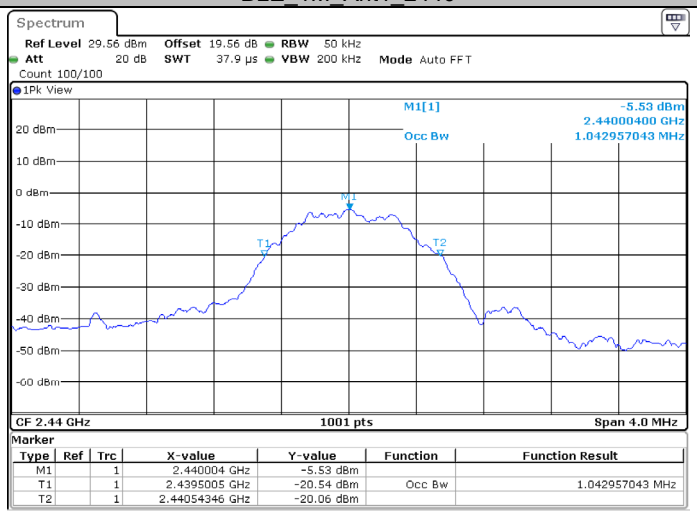
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.039	2401.5005	2402.5395	---	---
		2440	1.043	2439.5005	2440.5435	---	---
		2480	1.039	2479.5005	2480.5395	---	---
BLE_2M	Ant1	2402	2.046	2401.0050	2403.0509	---	---
		2440	2.054	2439.0010	2441.0549	---	---
		2480	2.046	2479.0050	2481.0509	---	---

Test Graphs

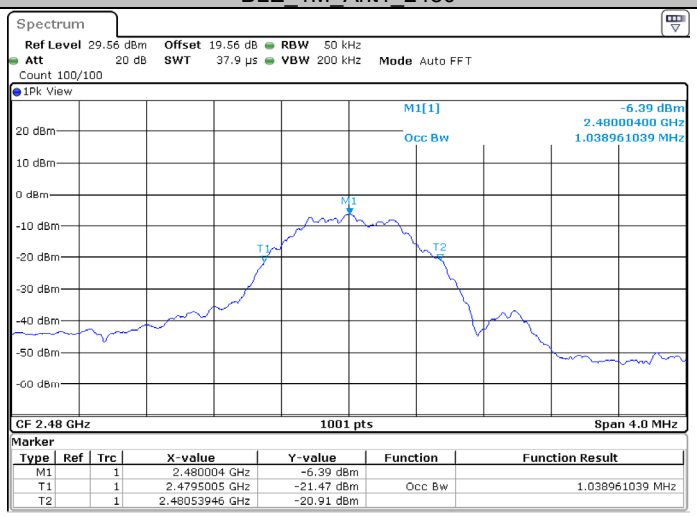
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

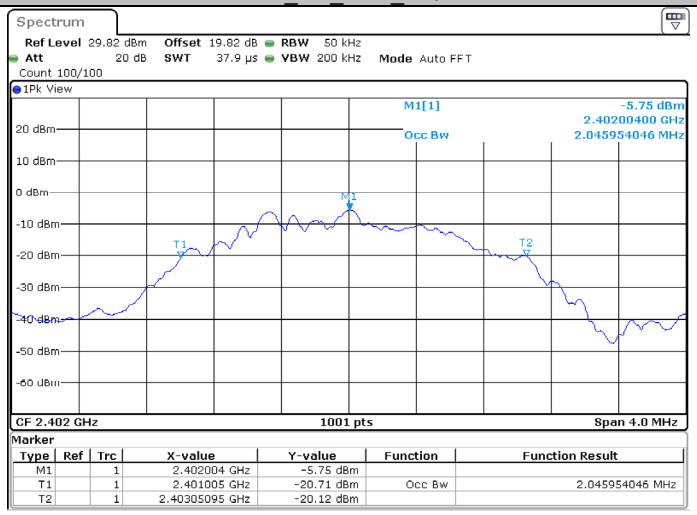


BLE_1M_Ant1_2480



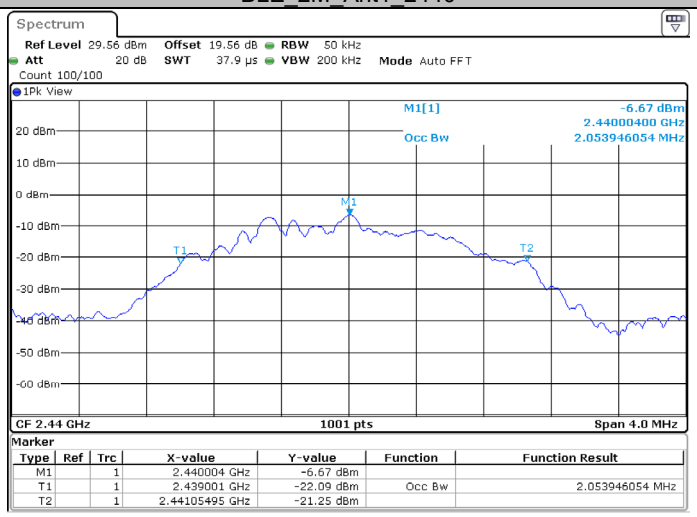
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:14

BLE_2M_Ant1_2402



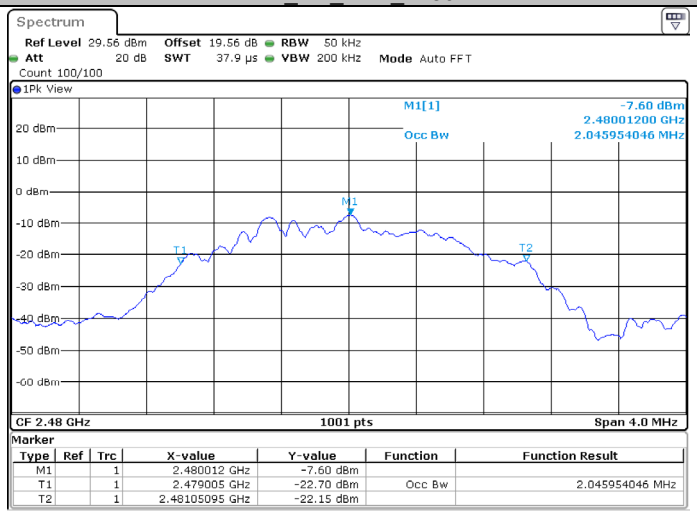
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:06:04

BLE_2M_Ant1_2440



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:07:21

BLE_2M_Ant1_2480



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:08:10

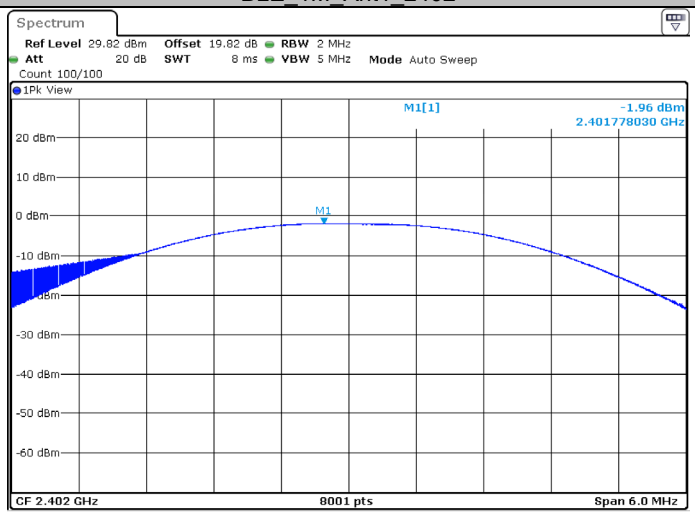
Appendix C: Maximum conducted output power

Test Result Peak

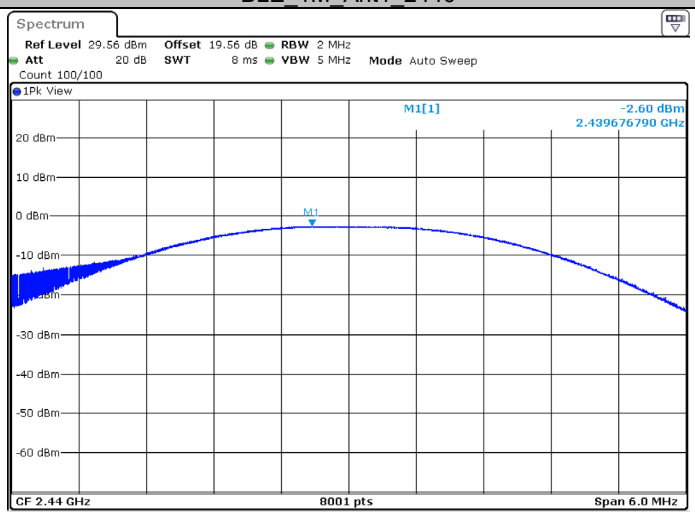
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.96	≤30	PASS
		2440	-2.60	≤30	PASS
		2480	-3.78	≤30	PASS
BLE_2M	Ant1	2402	-1.88	≤30	PASS
		2440	-2.37	≤30	PASS
		2480	-3.70	≤30	PASS

Test Graphs

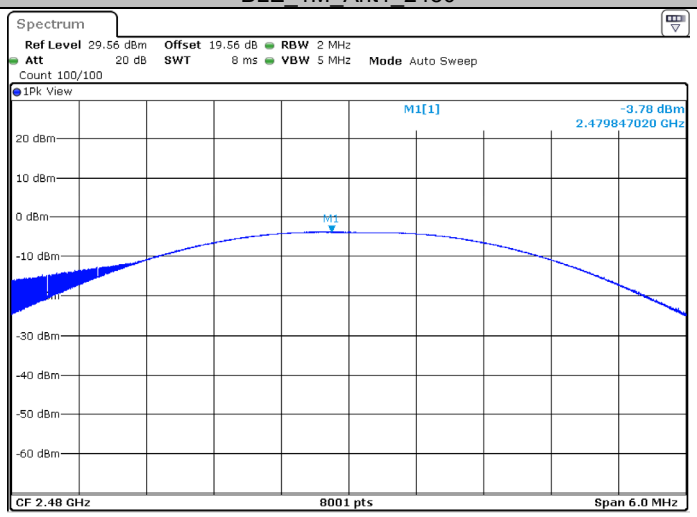
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

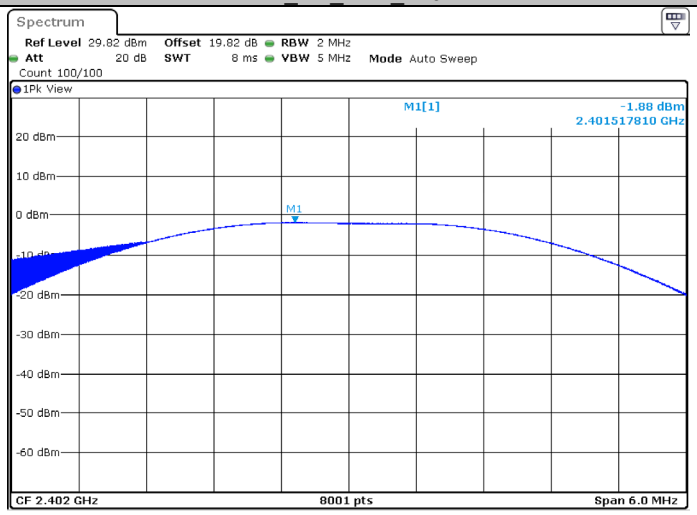


BLE_1M_Ant1_2480



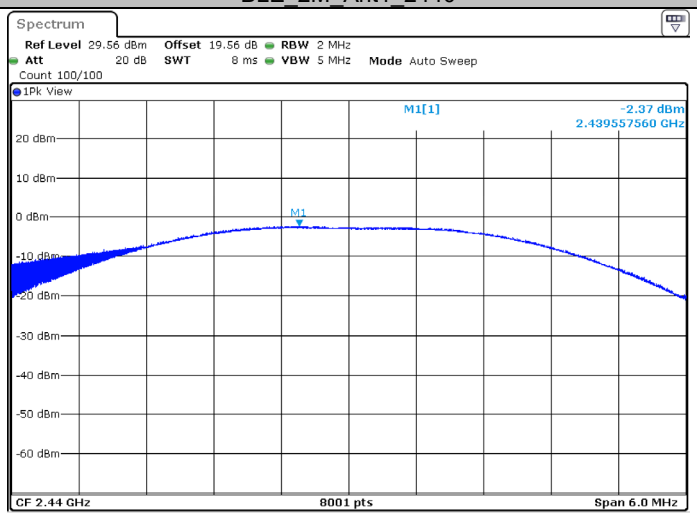
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:20

BLE_2M_Ant1_2402



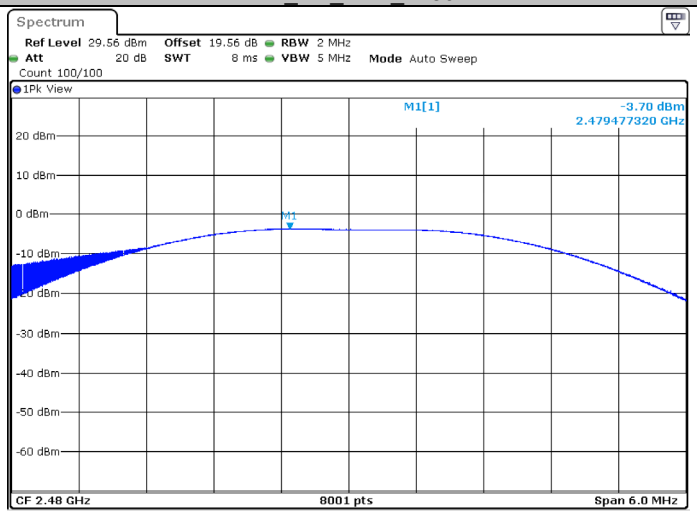
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:06:10

BLE_2M_Ant1_2440



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:07:27

BLE_2M_Ant1_2480



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:08:16

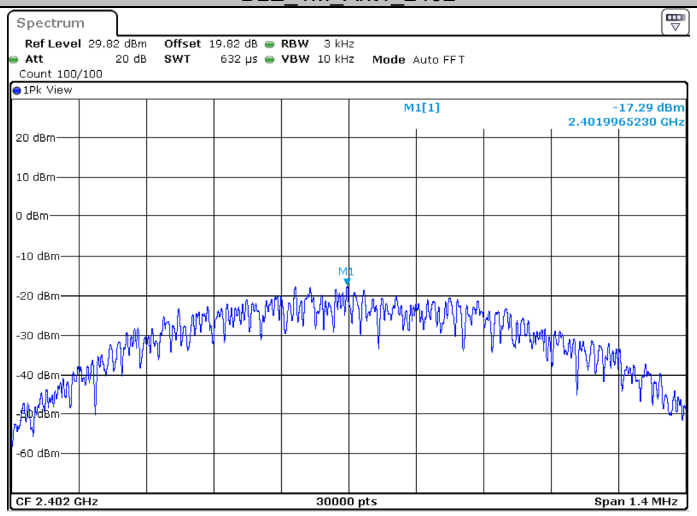
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.29	≤8.00	PASS
		2440	-18.21	≤8.00	PASS
		2480	-19.18	≤8.00	PASS
BLE_2M	Ant1	2402	-19.79	≤8.00	PASS
		2440	-20.61	≤8.00	PASS
		2480	-21.51	≤8.00	PASS

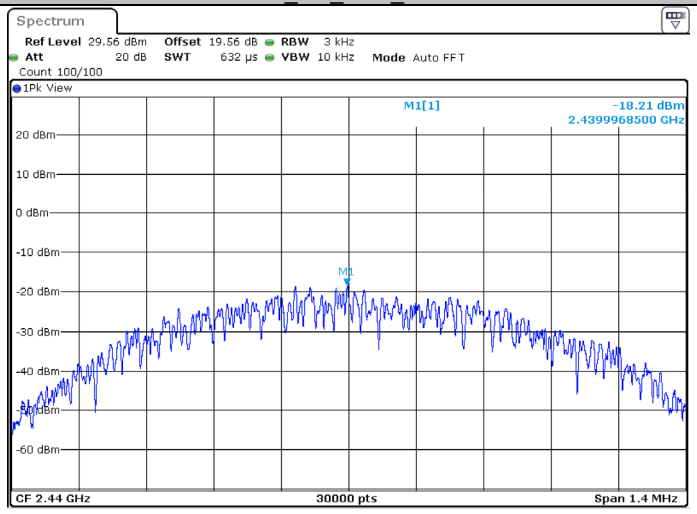
Test Graphs

BLE_1M_Ant1_2402



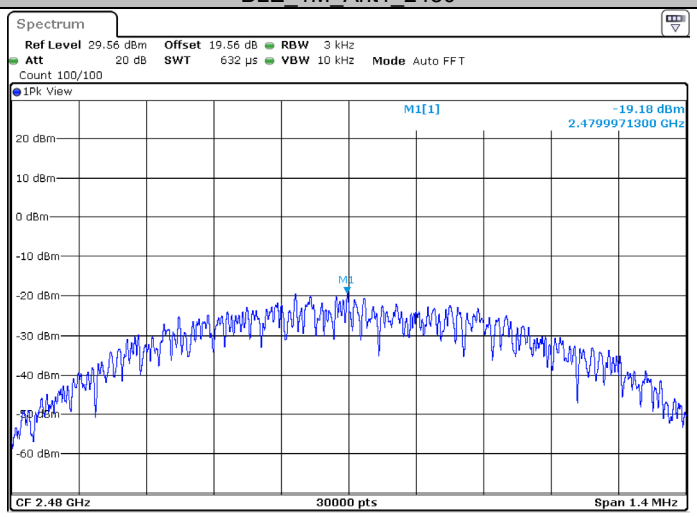
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:03:38

BLE_1M_Ant1_2440



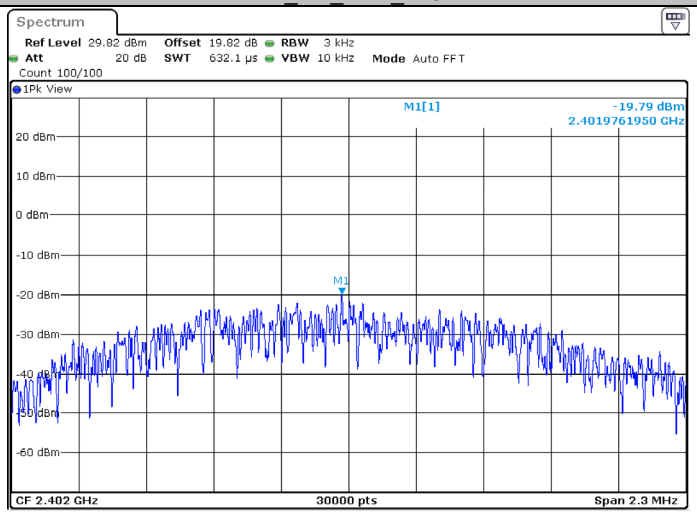
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:04:48

BLE_1M_Ant1_2480



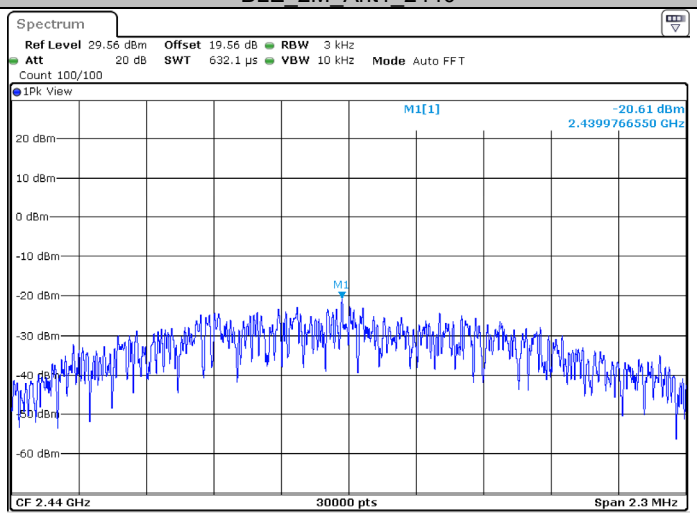
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:26

BLE_2M_Ant1_2402



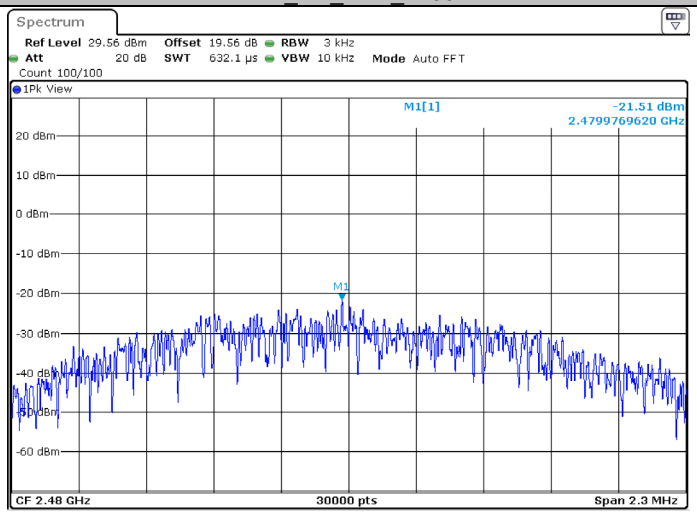
ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:06:16

BLE_2M_Ant1_2440



ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:07:33

BLE_2M_Ant1_2480

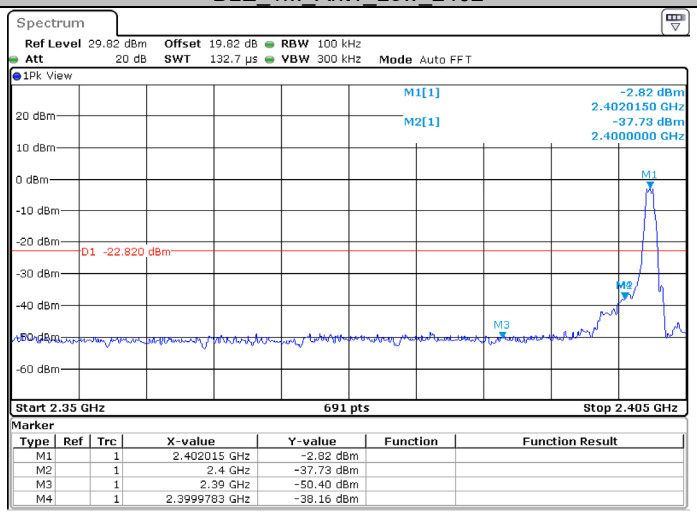


ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:08:22

Appendix E: Band edge measurements

Test Graphs

BLE_1M_Ant1_Low_2402

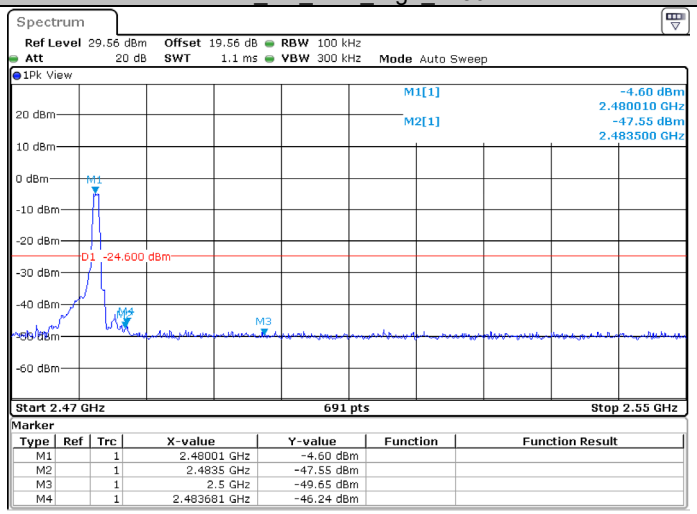


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.402015 GHz	-2.82 dBm		
M2		1	2.4 GHz	-37.73 dBm		
M3		1	2.39 GHz	-50.40 dBm		
M4		1	2.3999783 GHz	-38.16 dBm		

ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:03:47

BLE_1M_Ant1_High_2480

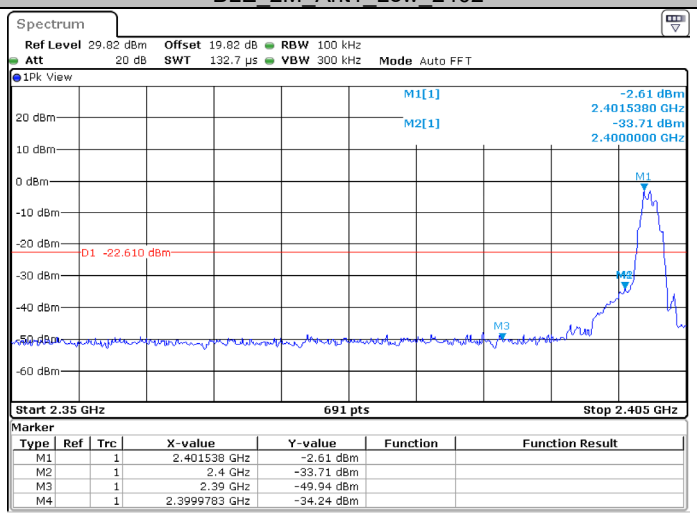


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48001 GHz	-4.60 dBm		
M2		1	2.4835 GHz	-47.55 dBm		
M3		1	2.5 GHz	-49.65 dBm		
M4		1	2.483681 GHz	-46.24 dBm		

ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:05:34

BLE_2M_Ant1_Low_2402

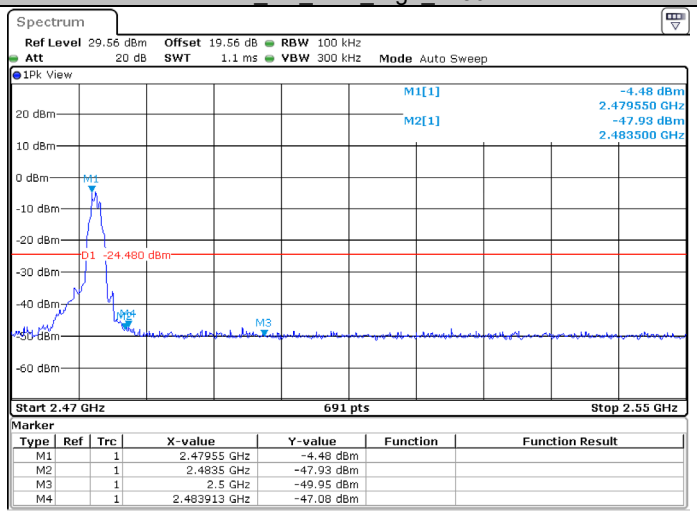


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.401538 GHz	-2.61 dBm		
M2		1	2.4 GHz	-33.71 dBm		
M3		1	2.39 GHz	-49.94 dBm		
M4		1	2.3999783 GHz	-34.24 dBm		

ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:06:24

BLE_2M_Ant1_High_2480



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47955 GHz	-4.48 dBm		
M2		1	2.4835 GHz	-47.93 dBm		
M3		1	2.5 GHz	-49.95 dBm		
M4		1	2.483913 GHz	-47.08 dBm		

ProjectNo.:SZ3240202-07605E-RF Tester:Tom.Liu
Date: 26.FEB.2024 09:08:30

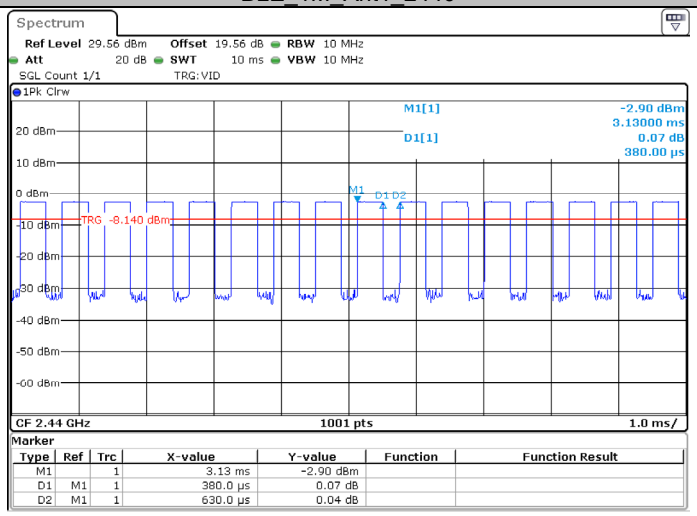
Appendix F: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	$1/T_{on}$ (HZ)	VBW Setting (Hz)
BLE_1M	Ant1	2440	0.38	0.63	60.32	2.20	2632	3000
BLE_2M	Ant1	2440	0.20	0.63	31.75	4.98	5000	5000

Test Graphs

BLE_1M_Ant1_2440



BLE_2M_Ant1_2440

******* END OF REPORT *******