

ATC

TEST REPORT

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Shenzhen, China
Report Number : RA230202-04741E-RF-00
FCC ID: 2A7VD-H7180

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type: Smart Rice Cooker Pro
Model No.: H7180
Multiple Model(s) No.: N/A
Trade Mark: GoveeLife
Date Received: 2023/02/02
Report Date: 2023/02/14

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Handwritten signature of Andy Yu.

Andy Yu
EMC Engineer

Approved By:

Handwritten signature of Candy Li.

Candy Li
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk “*”.

Shenzhen Accurate Technology Co., Ltd. is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk “**”. Customer model name, addresses, names, trademarks etc. are not considered data.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	BLE: 2402-2480MHz Wi-Fi: 2412-2462MHz
Maximum Conducted Peak Output Power	BLE 1M: 7.06dBm Wi-Fi: 15.25dBm(802.11b), 15.86dBm(802.11g), 16.15dBm(802.11n20)
Modulation Technique	BLE: GFSK Wi-Fi: DSSS, OFDM
Antenna Specification*	3.42dBi (provided by the applicant)
Voltage Range	AC 120V
Sample serial number	1ZV8-2 for Conducted and Radiated Emissions Test 1ZV5-1 for RF Conducted Test (Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. 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	0.73dB	
Unwanted Emission, conducted	1.6dB	
AC Line Conducted emission	2.72dB	
Emissions, Radiated	30MHz - 1GHz 1GHz- 18GHz 18GHz- 26.5GHz	4.28dB 4.98dB 5.06dB
Temperature	1°C	
Humidity	6%	
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 Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For 802.11b, 802.11g, 802.11n-HT20 mode, total 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	/	/
6	2437	/	/
7	2442	/	/

802.11b, 802.11g and 802.11n-HT20 mode was tested with Channel 1, 6 and 11.

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

“UI_mptool (for 2.4G WiFi)* & SS COM5.13.1+RTLB TAPP (for BLE)” software were used to test, the software and power level was provided by manufacturer and power level as below:

The device was tested with the worst case was performed as below:

Mode	Data rate	Power Level*		
		Low Channel	Middle Channel	High Channel
802.11b	1Mbps	63	63	63
802.11g	6Mbps	63	63	63
802.11n-HT20	MCS0	63	63	63
BLE	1Mbps	default	default	default

Note: the power level was provided by applicant.

Duty cycle

Test Result: Compliant. Please refer to the Appendix Wi-Fi and Appendix BLE.

Support Equipment List and Details

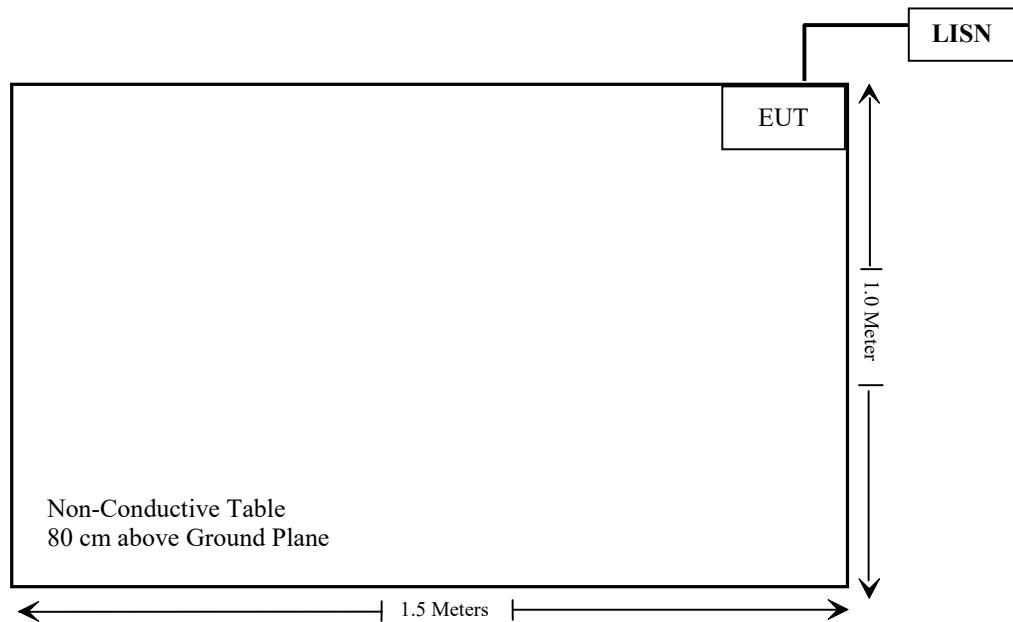
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

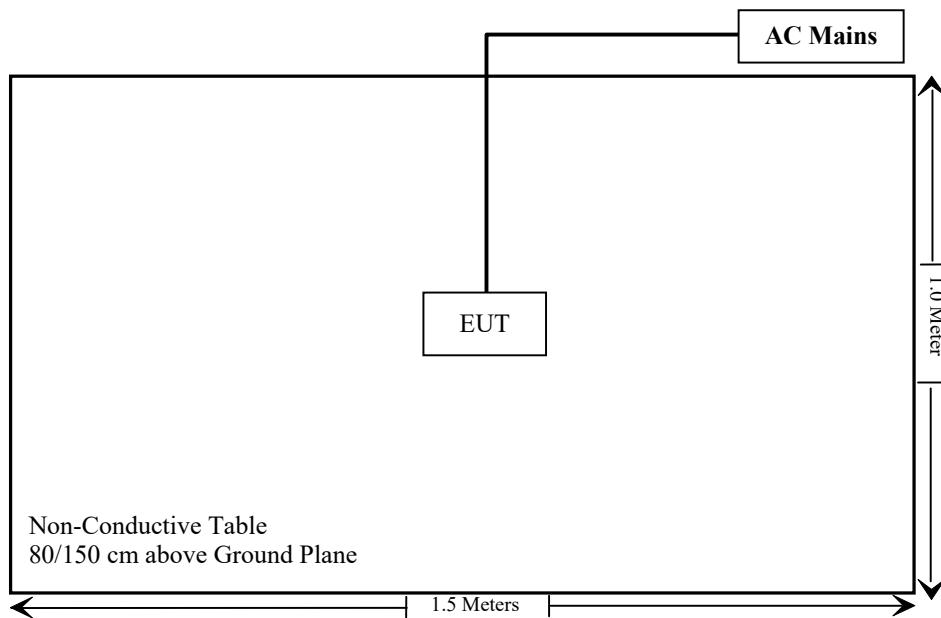
Cable Description	Length (m)	From Port	To
/	/	/	/

Block Diagram of Test Setup

For conducted emission



For Radiated Emissions:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i) & §1.1307 (b) (3) & §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 & Occupied Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(e)	Power Spectral Density	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100784	2022/11/25	2023/11/24
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2022/11/25	2023/11/24
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2022/12/07	2023/12/06
Unknown	RF Coaxial Cable	No.17	N0350	2022/11/25	2023/11/24
Conducted Emission Test Software: e3 19821b (V9)					
Radiated Emissions Test					
Rohde & Schwarz	Test Receiver	ESR	102725	2022/11/25	2023/11/24
Rohde & Schwarz	Spectrum Analyzer	FSV40	101949	2022/11/25	2023/11/24
SONOMA INSTRUMENT	Amplifier	310 N	186131	2022/11/08	2023/11/07
A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2022/11/08	2023/11/07
Quinstar	Amplifier	QLW-18405536-J0	15964001002	2022/11/08	2023/11/07
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-1067	2022/11/30	2025/11/29
Schwarzbeck	HORN ANTENNA	BBHA9170	9170-359	2022/12/26	2025/12/25
Radiated Emission Test Software: e3 19821b (V9)					
Unknown	RF Coaxial Cable	No.10	N050	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.11	N1000	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.12	N040	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.13	N300	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.14	N800	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.15	N600	2022/11/25	2023/11/24
Unknown	RF Coaxial Cable	No.16	N650	2022/11/25	2023/11/24
Wainwright	High Pass Filter	WHKX3.6/1 8G-10SS	5	2022/11/25	2023/11/24

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde&Schwarz	Spectrum Analyzer	FSV-40	101590	2022/11/25	2023/11/24
Tonscend	RF Control Unit	JS0806-2	19G8060182	2022/10/24	2023/10/23
Agilent	USB wideband power sensor	U2021XA	MY54250003	2022/6/27	2023/6/26
Unknown	RF Cable	Unknown	1	Each time	

* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. 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) & §1.1307 (b) (3) & §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.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R ² .
1.34-30	3,450 R ² /f ² .
30-300	3.83 R ² .
300-1,500	0.0128 R ² f.
1,500-100,000	19.2R ² .

R is the minimum separation distance in meters

f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1$$

Result

Mode	Frequency (MHz)	Tune up conducted power	Antenna Gain		ERP		Evaluation Distance (m)	ERP Limit (mW)
		(dBm)	(dBi)	(dBd)	(dBm)	(mW)		
BLE	2402-2480	8	3.42	1.27	9.27	8.453	0.2	768
Wi-Fi	2412-2462	17	3.42	1.27	18.27	67.143	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
2. The BLE can transmit at the same time with the Wi-Fi.

Simultaneous transmitting consideration (worst case):

The ratio=ERP_{BLE}/limit+ERP_{Wi-Fi}/limit=16.482/768+130.918/768=0.098<1.0, so simultaneous exposure is compliant.

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 § 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has one internal antenna which was permanently attached, and the maximum antenna gain is 3.42dBi, fulfill the requirement of this section. Please refer to the EUT photos.

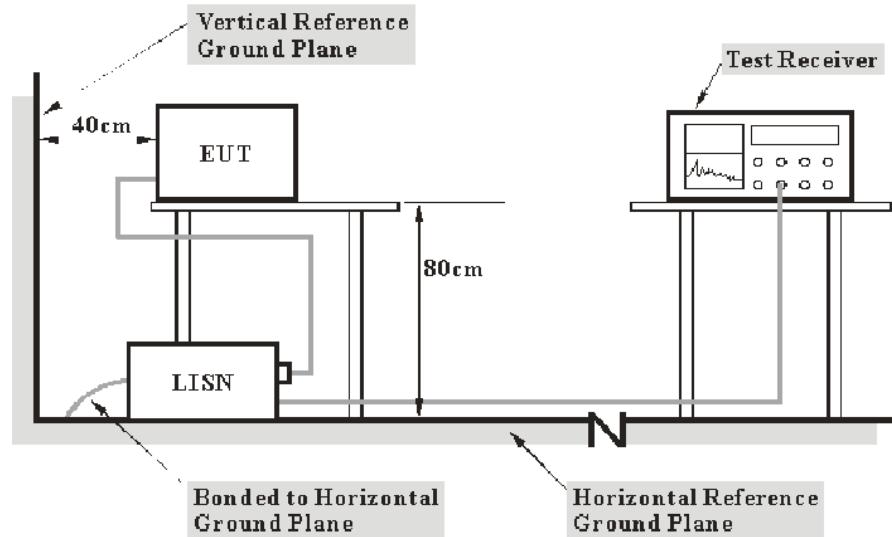
Result: Compliant.

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.

Transd Factor & Margin Calculation

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

$$\text{Transd Factor} = \text{LISN VDF} + \text{Cable Loss}$$

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:

$$\text{Over Limit} = \text{Level} - \text{Limit}$$

$$\text{Level} = \text{Read Level} + \text{Factor}$$

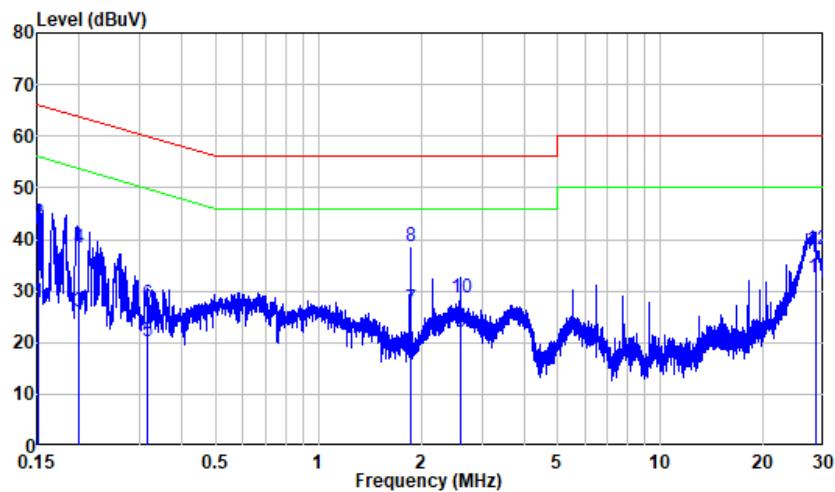
Test Data

Environmental Conditions

Temperature:	23 °C
Relative Humidity:	52 %
ATM Pressure:	101.3 kPa

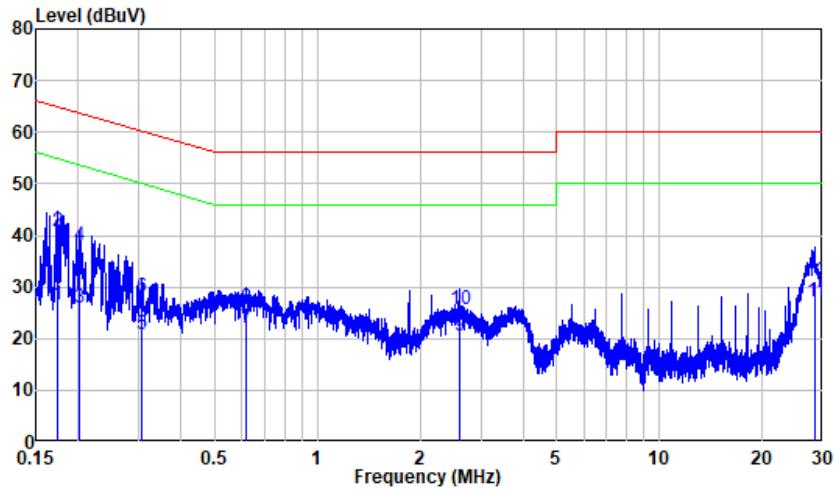
The testing was performed by Lipa Wu on 2023-02-07.

EUT operation mode: Transmitting

BLE**AC 120V/60 Hz, Line**

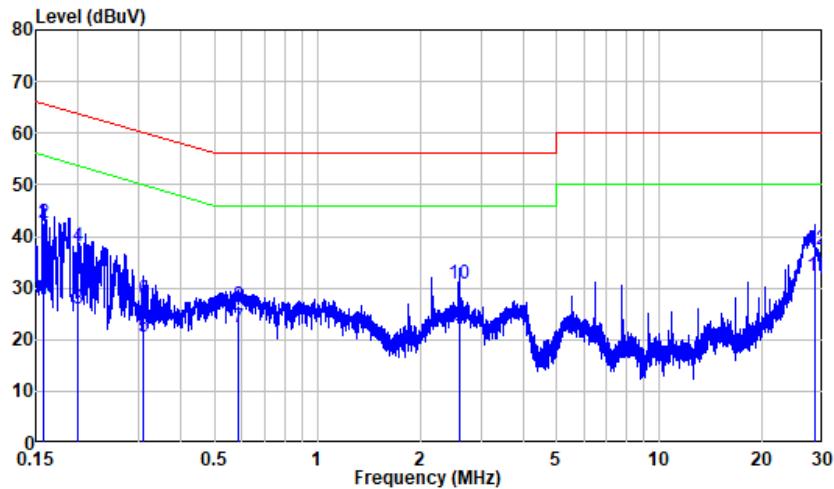
Site : Shielding Room
Condition: Line
Job No. : RA230202-04741E-RF
Mode : BLE&Transmitting
Power : AC 120V 60Hz

Freq	Factor	Read	Limit	Over	Remark
		Level	Level	Line	
1	0.152	9.90	17.95	27.85	55.87 -28.02 Average
2	0.152	9.90	33.34	43.24	65.87 -22.63 QP
3	0.200	9.90	16.05	25.95	53.62 -27.67 Average
4	0.200	9.90	28.35	38.25	63.62 -25.37 QP
5	0.315	9.85	10.53	20.38	49.85 -29.47 Average
6	0.315	9.85	17.55	27.40	59.85 -32.45 QP
7	1.853	9.91	16.52	26.43	46.00 -19.57 Average
8	1.853	9.91	28.62	38.53	56.00 -17.47 QP
9	2.594	9.93	12.03	21.96	46.00 -24.04 Average
10	2.594	9.93	18.79	28.72	56.00 -27.28 QP
11	28.527	10.18	22.35	32.53	50.00 -17.47 Average
12	28.527	10.18	27.86	38.04	60.00 -21.96 QP

AC 120V/60 Hz, Neutral

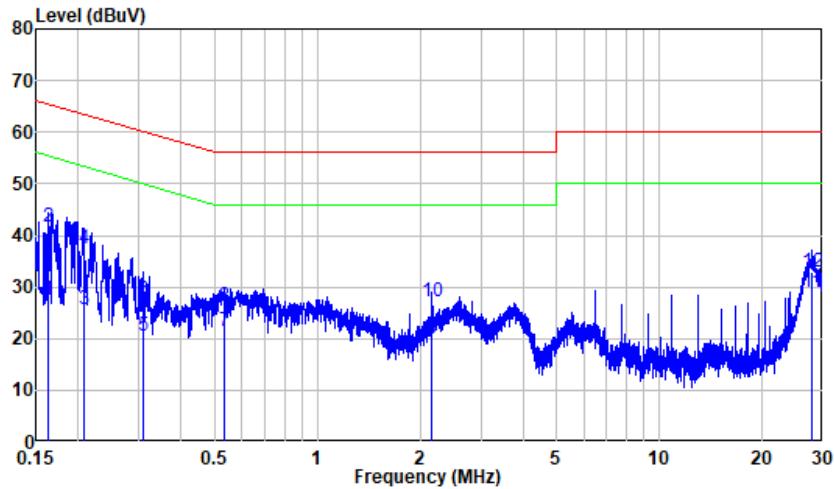
Site : Shielding Room
Condition: Neutral
Job No. : RA230202-04741E-RF
Mode : BLE&Transmitting
Power : AC 120V 60Hz

	Freq	Read Factor	Limit Level	Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	
1	0.174	9.80	16.90	26.70	54.79	-28.09 Average
2	0.174	9.80	30.95	40.75	64.79	-24.04 QP
3	0.202	9.80	16.25	26.05	53.54	-27.49 Average
4	0.202	9.80	28.39	38.19	63.54	-25.35 QP
5	0.306	9.85	10.89	20.74	50.08	-29.34 Average
6	0.306	9.85	18.08	27.93	60.08	-32.15 QP
7	0.620	9.85	12.17	22.02	46.00	-23.98 Average
8	0.620	9.85	16.22	26.07	56.00	-29.93 QP
9	2.594	9.83	10.63	20.46	46.00	-25.54 Average
10	2.594	9.83	15.77	25.60	56.00	-30.40 QP
11	28.546	10.20	16.93	27.13	50.00	-22.87 Average
12	28.546	10.20	21.03	31.23	60.00	-28.77 QP

2.4G WiFi**AC 120V/60 Hz, Line**

Site : Shielding Room
Condition: Line
Job No. : RA230202-04741E-RF
Mode : 2.4G WiFi&Transmitting
Power : AC 120V 60Hz

Freq	Factor	Read	Limit	Over	Remark
		Level	Level	Line	
1	0.157	9.90	17.94	27.84	55.60 -27.76 Average
2	0.157	9.90	32.64	42.54	65.60 -23.06 QP
3	0.200	9.90	16.13	26.03	53.61 -27.58 Average
4	0.200	9.90	28.08	37.98	63.61 -25.63 QP
5	0.308	9.85	10.69	20.54	50.02 -29.48 Average
6	0.308	9.85	18.05	27.90	60.02 -32.12 QP
7	0.589	9.86	12.46	22.32	46.00 -23.68 Average
8	0.589	9.86	16.66	26.52	56.00 -29.48 QP
9	2.589	9.93	12.63	22.56	46.00 -23.44 Average
10	2.589	9.93	21.00	30.93	56.00 -25.07 QP
11	28.527	10.18	22.24	32.42	50.00 -17.58 Average
12	28.527	10.18	27.26	37.44	60.00 -22.56 QP

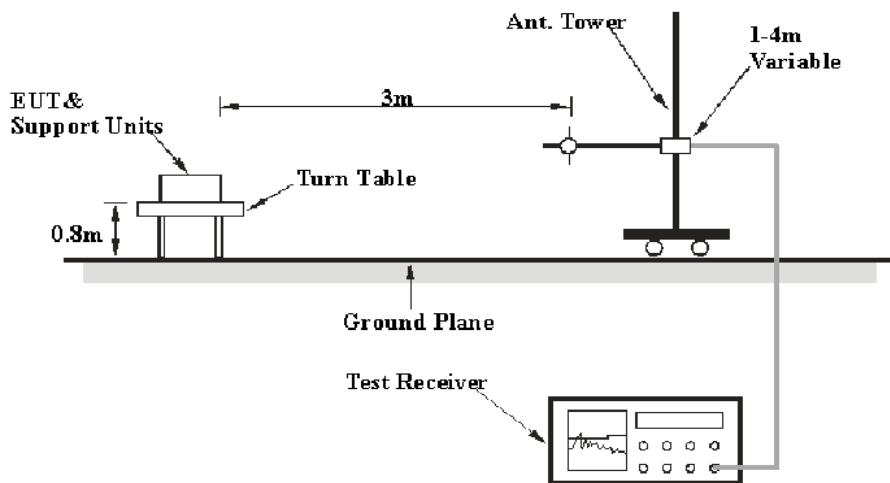
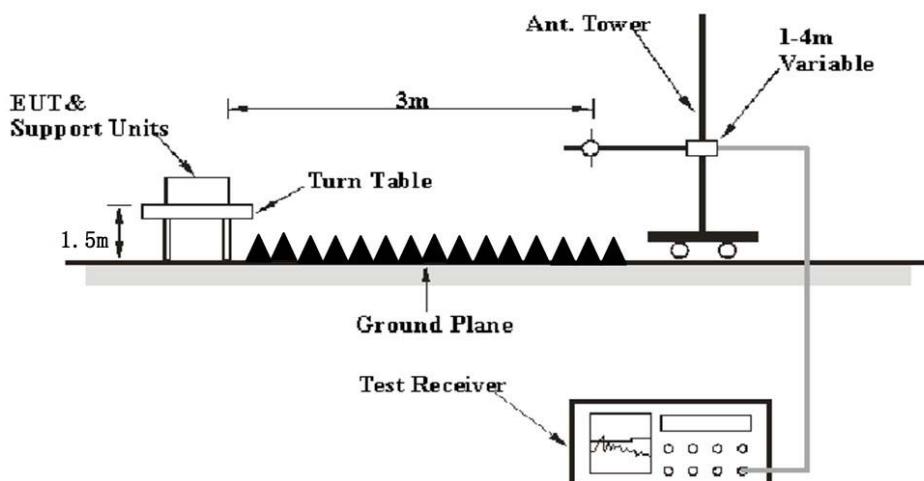
AC 120V/60 Hz, Neutral

Site : Shielding Room
Condition: Neutral
Job No. : RA230202-04741E-RF
Mode : 2.4G WiFi&Transmitting
Power : AC 120V 60Hz

	Freq	Read Factor	Limit Level	Limit Line	Over dB	Remark
1	0.163	9.80	17.53	27.33	55.31	-27.98 Average
2	0.163	9.80	31.87	41.67	65.31	-23.64 QP
3	0.207	9.80	15.94	25.74	53.34	-27.60 Average
4	0.207	9.80	27.53	37.33	63.34	-26.01 QP
5	0.310	9.85	10.63	20.48	49.97	-29.49 Average
6	0.310	9.85	17.77	27.62	59.97	-32.35 QP
7	0.533	9.89	11.57	21.46	46.00	-24.54 Average
8	0.533	9.89	16.33	26.22	56.00	-29.78 QP
9	2.160	9.82	9.98	19.80	46.00	-26.20 Average
10	2.160	9.82	17.41	27.23	56.00	-28.77 QP
11	27.800	10.20	18.73	28.93	50.00	-21.07 Average
12	27.800	10.20	22.68	32.88	60.00	-27.12 QP

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

EUT Setup**Below 1 GHz:****Above 1GHz:**

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

EMI Test Receiver & Spectrum Analyzer Setup

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

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	10 Hz ^{Note 1}	/	Average
	1MHz	>1/T ^{Note 2}	/	Average

Note 1: when duty cycle is no less than 98%

Note 2: when duty cycle is less than 98%

Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

Factor & 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:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

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:

$$\begin{aligned}\text{Over Limit/Margin} &= \text{Level} / \text{Corrected Amplitude} - \text{Limit} \\ \text{Level} / \text{Corrected Amplitude} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Test Data

Environmental Conditions

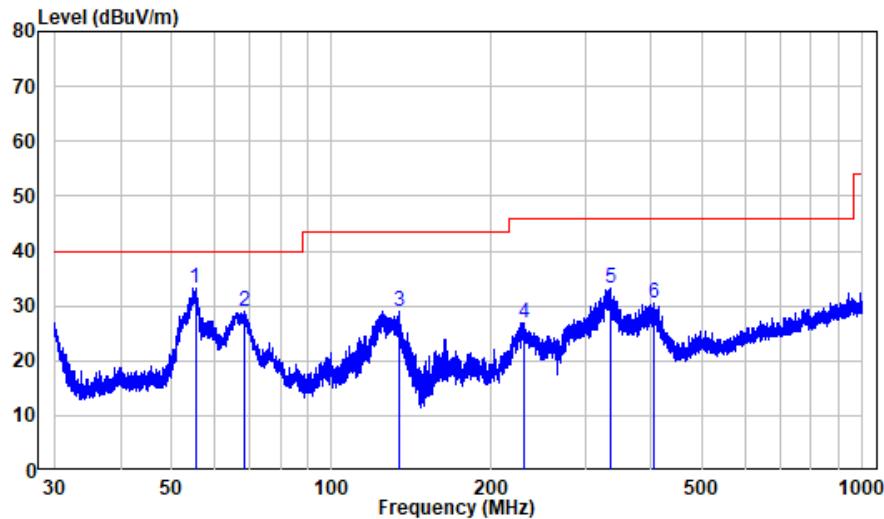
Temperature:	24~28.8 °C
Relative Humidity:	52~57 %
ATM Pressure:	101.1 kPa

The testing was performed by Jimi Zheng on 2023-02-08 for below 1GHz and 2023-02-06 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)

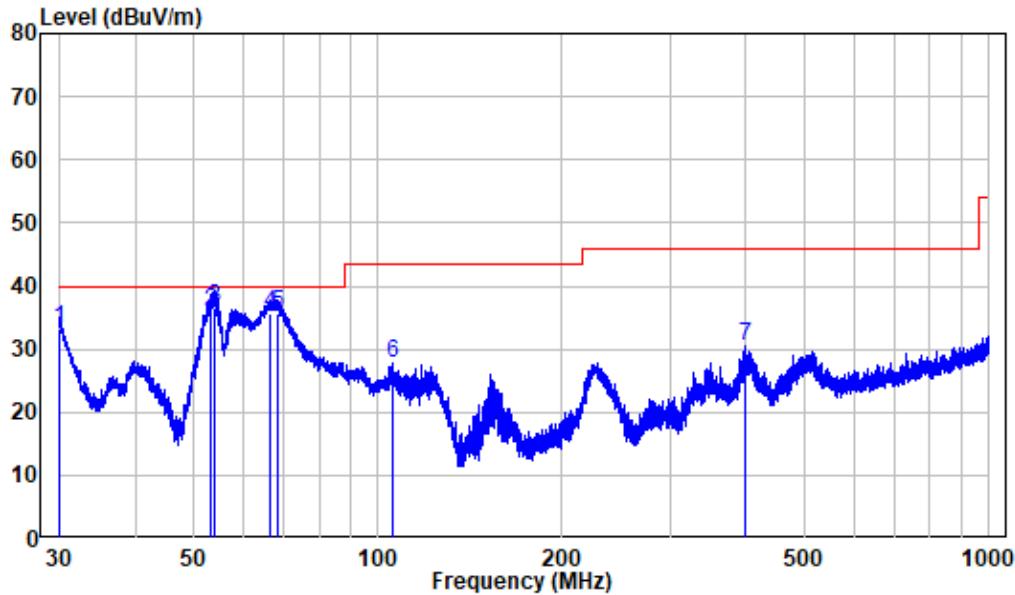
30MHz-1GHz:

Note: When the test result of Peak was less than the limit of QP, just the peak value was recorded.

**BLE
Horizontal:**

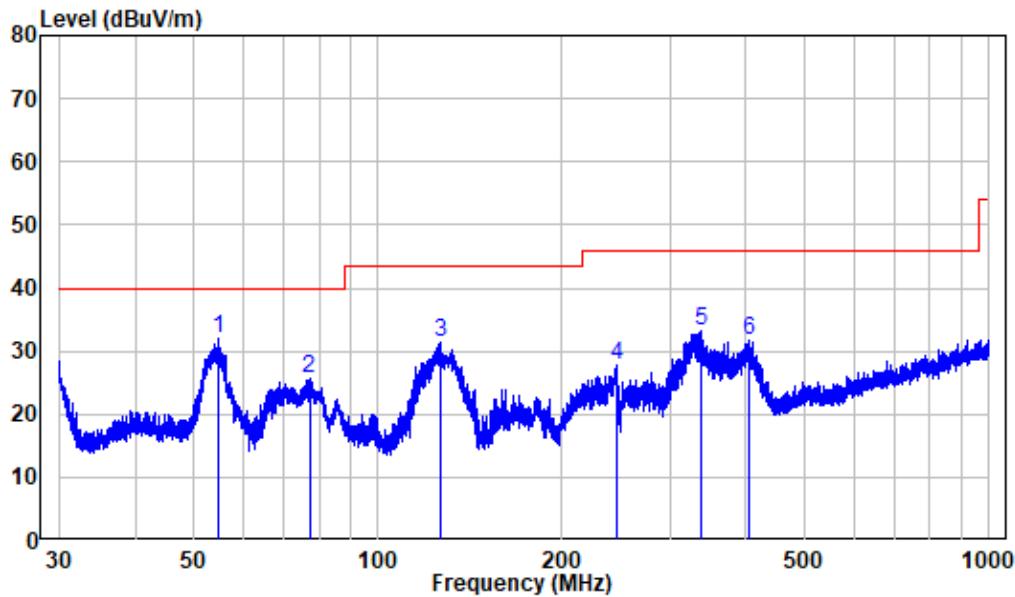
Site : chamber
Condition: 3m HORIZONTAL
Job No. : RA230202-04741E-RF
Test Mode: BLE Transmitting

	Freq	Factor	Read Level	Limit Level	Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	55.342	-10.25	43.37	33.12	40.00	-6.88	Peak
2	68.631	-14.13	43.10	28.97	40.00	-11.03	Peak
3	134.441	-14.99	44.09	29.10	43.50	-14.40	Peak
4	229.998	-11.11	38.04	26.93	46.00	-19.07	Peak
5	335.888	-7.58	40.80	33.22	46.00	-12.78	Peak
6	404.312	-6.73	37.09	30.36	46.00	-15.64	Peak

Vertical

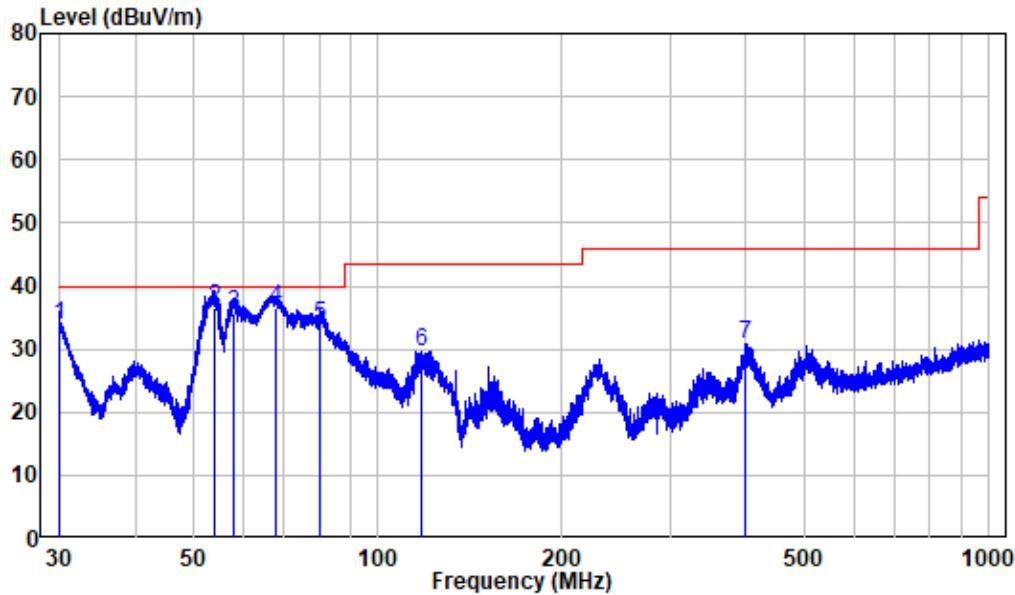
Site : chamber
Condition: 3m VERTICAL
Job No. : RA230202-04741E-RF
Test Mode: BLE Transmitting

Freq	Factor	Read		Limit		Over	Remark
		MHz	dB/m	dB _{BuV}	dB _{BuV/m}	Line	
1	30.000	-12.40	45.50	33.10	40.00	-6.90	QP
2	53.295	-10.22	46.20	35.98	40.00	-4.02	QP
3	53.976	-10.35	46.91	36.56	40.00	-3.44	QP
4	66.557	-13.15	48.90	35.75	40.00	-4.25	QP
5	68.721	-14.17	49.90	35.73	40.00	-4.27	QP
6	105.457	-11.88	39.75	27.87	43.50	-15.63	Peak
7	398.331	-6.75	37.15	30.40	46.00	-15.60	Peak

**2.4G Wi-Fi
Horizontal:**

Site : chamber
Condition: 3m HORIZONTAL
Job No. : RA230202-04741E-RF
Test Mode: 2.4G WIFI Transmitting

Freq	Factor	Read		Limit		Over	Remark
		MHz	dB/m	dBuV	dBuV/m	Line	Limit
1	54.595	-10.31	42.24	31.93	40.00	-8.07	Peak
2	77.152	-16.53	42.11	25.58	40.00	-14.42	Peak
3	126.107	-14.42	45.81	31.39	43.50	-12.11	Peak
4	245.198	-10.58	38.41	27.83	46.00	-18.17	Peak
5	338.697	-7.48	40.58	33.10	46.00	-12.90	Peak
6	405.021	-6.73	38.28	31.55	46.00	-14.45	Peak

Vertical

Site : chamber

Condition: 3m VERTICAL

Job No. : RA230202-04741E-RF

Test Mode: 2.4G WIFI Transmitting

Freq	Factor	Read		Limit		Over Line	Over Limit	Remark
		MHz	dB/m	dBuV	dBuV/m			
1	30.000	-12.40	46.20	33.80	40.00	-6.20	QP	
2	54.071	-10.35	46.81	36.46	40.00	-3.54	QP	
3	58.025	-9.91	45.50	35.59	40.00	-4.41	QP	
4	68.181	-13.92	50.30	36.38	40.00	-3.62	QP	
5	80.327	-16.77	50.70	33.93	40.00	-6.07	QP	
6	117.824	-13.12	42.69	29.57	43.50	-13.93	Peak	
7	399.730	-6.74	37.66	30.92	46.00	-15.08	Peak	

1-25 GHz:**BLE 1M:**

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	PK/Ave		Height (m)	Polar (H/V)				
Low Channel(2402MHz)									
2310	61.03	PK	284	2.5	H	-7.24	53.79	74	-20.21
2310	48.38	AV	284	2.5	H	-7.24	41.14	54	-12.86
2310	60.74	PK	114	1.6	V	-7.24	53.50	74	-20.50
2310	48.48	AV	114	1.6	V	-7.24	41.24	54	-12.76
2390	62.15	PK	61	2.2	H	-7.22	54.93	74	-19.07
2390	50.24	AV	61	2.2	H	-7.22	43.02	54	-10.98
2390	63.04	PK	140	2.2	V	-7.22	55.82	74	-18.18
2390	50.14	AV	140	2.2	V	-7.22	42.92	54	-11.08
4804	57.27	PK	151	1.4	H	-3.51	53.76	74	-20.24
4804	45.41	AV	151	1.4	H	-3.51	41.90	54	-12.10
4804	57.23	PK	114	1	V	-3.51	53.72	74	-20.28
4804	45.01	AV	114	1	V	-3.51	41.50	54	-12.50
Middle Channel(2440MHz)									
4880	58.11	PK	137	1.8	H	-3.38	54.73	74	-19.27
4880	44.72	AV	137	1.8	H	-3.38	41.34	54	-12.66
4880	57.07	PK	227	1.5	V	-3.38	53.69	74	-20.31
4880	44.56	AV	227	1.5	V	-3.38	41.18	54	-12.82
High Channel(2480 MHz)									
2483.5	69.00	PK	116	2.2	H	-7.20	61.8	74	-12.20
2483.5	51.29	AV	116	2.2	H	-7.20	44.09	54	-9.91
2483.5	69.13	PK	157	2.1	V	-7.20	61.93	74	-12.07
2483.5	50.83	AV	157	2.1	V	-7.20	43.63	54	-10.37
2500	62.42	PK	64	2.1	H	-7.18	55.24	74	-18.76
2500	50.32	AV	64	2.1	H	-7.18	43.14	54	-10.86
2500	62.29	PK	41	2.1	V	-7.18	55.11	74	-18.89
2500	50.22	AV	41	2.1	V	-7.18	43.04	54	-10.96
4960	57.44	PK	185	1.9	H	-3.01	54.43	74	-19.57
4960	46.43	AV	185	1.9	H	-3.01	43.42	54	-10.58
4960	57.10	PK	270	1.9	V	-3.01	54.09	74	-19.91
4960	45.25	AV	270	1.9	V	-3.01	42.24	54	-11.76

Wi-Fi:

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)					
	Reading (dB μ V)	PK/Ave		Height (m)	Polar (H/V)									
802.11b														
Low Channel(2412MHz)														
2310	61.38	PK	215	2	H	-7.24	54.14	74	-19.86					
2310	47.71	AV	215	2	H	-7.24	40.47	54	-13.53					
2310	60.95	PK	65	1.6	V	-7.24	53.71	74	-20.29					
2310	47.88	AV	65	1.6	V	-7.24	40.64	54	-13.36					
2390	63.54	PK	132	1.7	H	-7.22	56.32	74	-17.68					
2390	49.95	AV	132	1.7	H	-7.22	42.73	54	-11.27					
2390	64.15	PK	296	1.7	V	-7.22	56.93	74	-17.07					
2390	49.43	AV	296	1.7	V	-7.22	42.21	54	-11.79					
4824	57.80	PK	106	1.7	H	-3.52	54.28	74	-19.72					
4824	46.92	AV	106	1.7	H	-3.52	43.40	54	-10.60					
4824	58.05	PK	112	1.2	V	-3.52	54.53	74	-19.47					
4824	47.06	AV	112	1.2	V	-3.52	43.54	54	-10.46					
Middle Channel(2437MHz)														
4874	58.04	PK	311	2	H	-3.42	54.62	74	-19.38					
4874	48.03	AV	311	2	H	-3.42	44.61	54	-9.39					
4874	58.41	PK	353	1.9	V	-3.42	54.99	74	-19.01					
4874	47.94	AV	353	1.9	V	-3.42	44.52	54	-9.48					
High Channel(2462MHz)														
2483.5	64.76	PK	329	2.5	H	-7.20	57.56	74	-16.44					
2483.5	51.27	AV	329	2.5	H	-7.20	44.07	54	-9.93					
2483.5	64.64	PK	112	1.9	V	-7.20	57.44	74	-16.56					
2483.5	51.39	AV	112	1.9	V	-7.20	44.19	54	-9.81					
2500	63.02	PK	344	2.5	H	-7.18	55.84	74	-18.16					
2500	49.67	AV	344	2.5	H	-7.18	42.49	54	-11.51					
2500	62.90	PK	90	2.3	V	-7.18	55.72	74	-18.28					
2500	49.91	AV	90	2.3	V	-7.18	42.73	54	-11.27					
4924	58.98	PK	114	1.3	H	-3.16	55.82	74	-18.18					
4924	49.52	AV	114	1.3	H	-3.16	46.36	54	-7.64					
4924	58.87	PK	271	1.1	V	-3.16	55.71	74	-18.29					
4924	49.71	AV	271	1.1	V	-3.16	46.55	54	-7.45					

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)					
	Reading (dB μ V)	PK/Ave		Height (m)	Polar (H/V)									
802.11g														
Low Channel(2412MHz)														
2310	60.56	PK	308	1.1	H	-7.24	53.32	74	-20.68					
2310	48.25	AV	308	1.1	H	-7.24	41.01	54	-12.99					
2310	61.29	PK	266	2.3	V	-7.24	54.05	74	-19.95					
2310	48.48	AV	266	2.3	V	-7.24	41.24	54	-12.76					
2390	64.20	PK	28	1.3	H	-7.22	56.98	74	-17.02					
2390	50.08	AV	28	1.3	H	-7.22	42.86	54	-11.14					
2390	63.92	PK	241	1.3	V	-7.22	56.70	74	-17.30					
2390	49.51	AV	241	1.3	V	-7.22	42.29	54	-11.71					
4824	57.48	PK	104	2.2	H	-3.52	53.96	74	-20.04					
4824	44.11	AV	104	2.2	H	-3.52	40.59	54	-13.41					
4824	57.81	PK	140	1.2	V	-3.52	54.29	74	-19.71					
4824	44.10	AV	140	1.2	V	-3.52	40.58	54	-13.42					
Middle Channel(2437MHz)														
4874	58.30	PK	159	1.3	H	-3.42	54.88	74	-19.12					
4874	43.79	AV	159	1.3	H	-3.42	40.37	54	-13.63					
4874	58.03	PK	342	2.2	V	-3.42	54.61	74	-19.39					
4874	44.17	AV	342	2.2	V	-3.42	40.75	54	-13.25					
High Channel(2462MHz)														
2483.5	65.18	PK	357	2.3	H	-7.20	57.98	74	-16.02					
2483.5	50.72	AV	357	2.3	H	-7.20	43.52	54	-10.48					
2483.5	65.24	PK	236	1.4	V	-7.20	58.04	74	-15.96					
2483.5	50.91	AV	236	1.4	V	-7.20	43.71	54	-10.29					
2500	62.54	PK	51	2.1	H	-7.18	55.36	74	-18.64					
2500	49.51	AV	51	2.1	H	-7.18	42.33	54	-11.67					
2500	62.91	PK	203	1.7	V	-7.18	55.73	74	-18.27					
2500	49.69	AV	203	1.7	V	-7.18	42.51	54	-11.49					
4924	57.49	PK	310	1.5	H	-3.16	54.33	74	-19.67					
4924	44.36	AV	310	1.5	H	-3.16	41.20	54	-12.80					
4924	58.12	PK	272	1.6	V	-3.16	54.96	74	-19.04					
4924	44.30	AV	272	1.6	V	-3.16	41.14	54	-12.86					

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)					
	Reading (dB μ V)	PK/Ave		Height (m)	Polar (H/V)									
802.11n20														
Low Channel(2412MHz)														
2310	60.94	PK	15	1	H	-7.24	53.70	74	-20.30					
2310	48.07	AV	15	1	H	-7.24	40.83	54	-13.17					
2310	60.89	PK	231	1.7	V	-7.24	53.65	74	-20.35					
2310	47.80	AV	231	1.7	V	-7.24	40.56	54	-13.44					
2390	63.56	PK	194	1.6	H	-7.22	56.34	74	-17.66					
2390	50.12	AV	194	1.6	H	-7.22	42.90	54	-11.10					
2390	63.50	PK	92	1.2	V	-7.22	56.28	74	-17.72					
2390	49.77	AV	92	1.2	V	-7.22	42.55	54	-11.45					
4824	57.80	PK	108	2.1	H	-3.52	54.28	74	-19.72					
4824	45.49	AV	108	2.1	H	-3.52	41.97	54	-12.03					
4824	58.48	PK	123	2	V	-3.52	54.96	74	-19.04					
4824	46.69	AV	123	2	V	-3.52	43.17	54	-10.83					
Middle Channel(2437MHz)														
4874	58.28	PK	274	2.1	H	-3.42	54.86	74	-19.14					
4874	46.25	AV	274	2.1	H	-3.42	42.83	54	-11.17					
4874	59.13	PK	304	2.3	V	-3.42	55.71	74	-18.29					
4874	46.66	AV	304	2.3	V	-3.42	43.24	54	-10.76					
High Channel(2462MHz)														
2483.5	71.22	PK	248	1.4	H	-7.20	64.02	74	-9.98					
2483.5	53.31	AV	248	1.4	H	-7.20	46.11	54	-7.89					
2483.5	69.91	PK	173	1.7	V	-7.20	62.71	74	-11.29					
2483.5	52.65	AV	173	1.7	V	-7.20	45.45	54	-8.55					
2500	61.58	PK	354	2.2	H	-7.18	54.4	74	-19.60					
2500	49.02	AV	354	2.2	H	-7.18	41.84	54	-12.16					
2500	62.29	PK	315	1.1	V	-7.18	55.11	74	-18.89					
2500	48.97	AV	315	1.1	V	-7.18	41.79	54	-12.21					
4924	58.13	PK	264	2	H	-3.16	54.97	74	-19.03					
4924	45.67	AV	264	2	H	-3.16	42.51	54	-11.49					
4924	58.87	PK	200	1.5	V	-3.16	55.71	74	-18.29					
4924	46.92	AV	200	1.5	V	-3.16	43.76	54	-10.24					

Note:

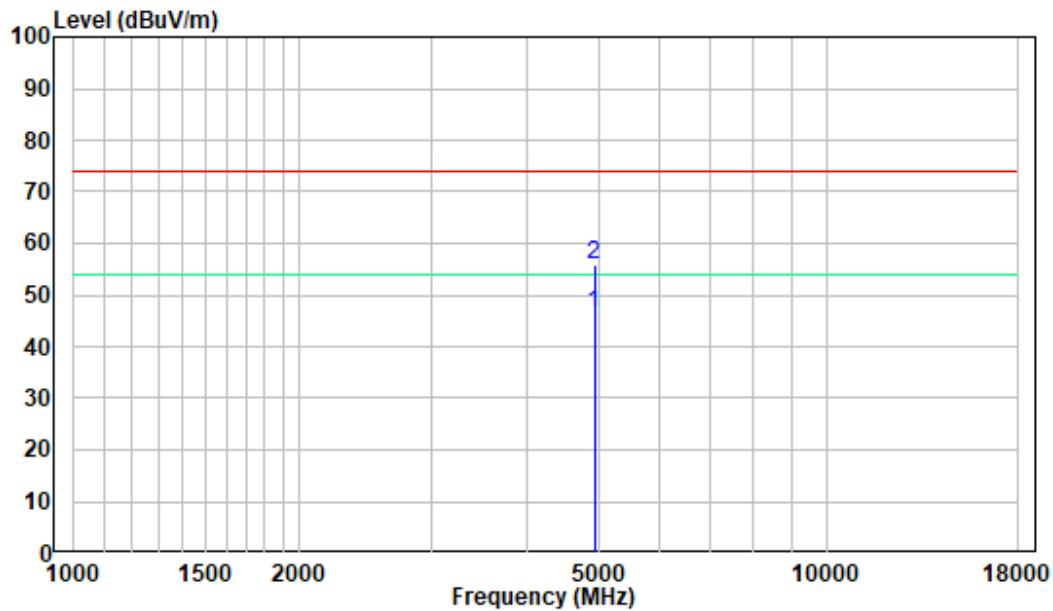
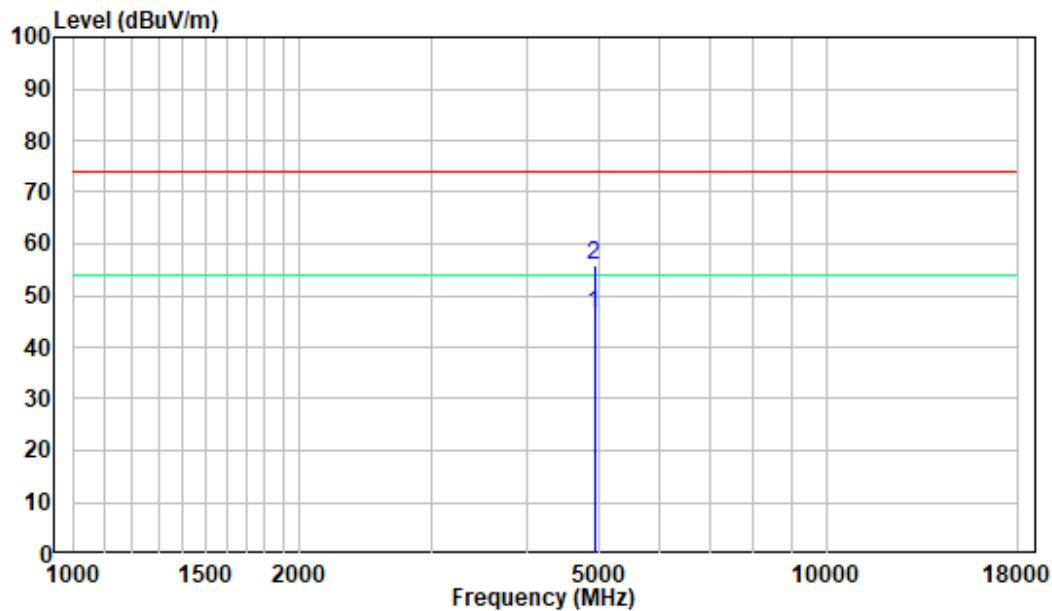
Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

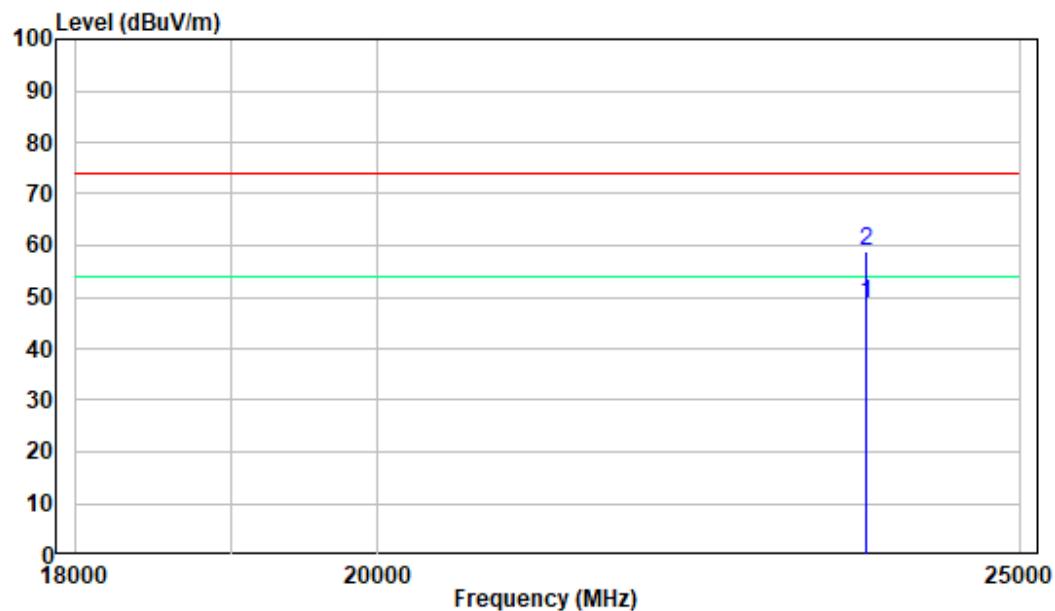
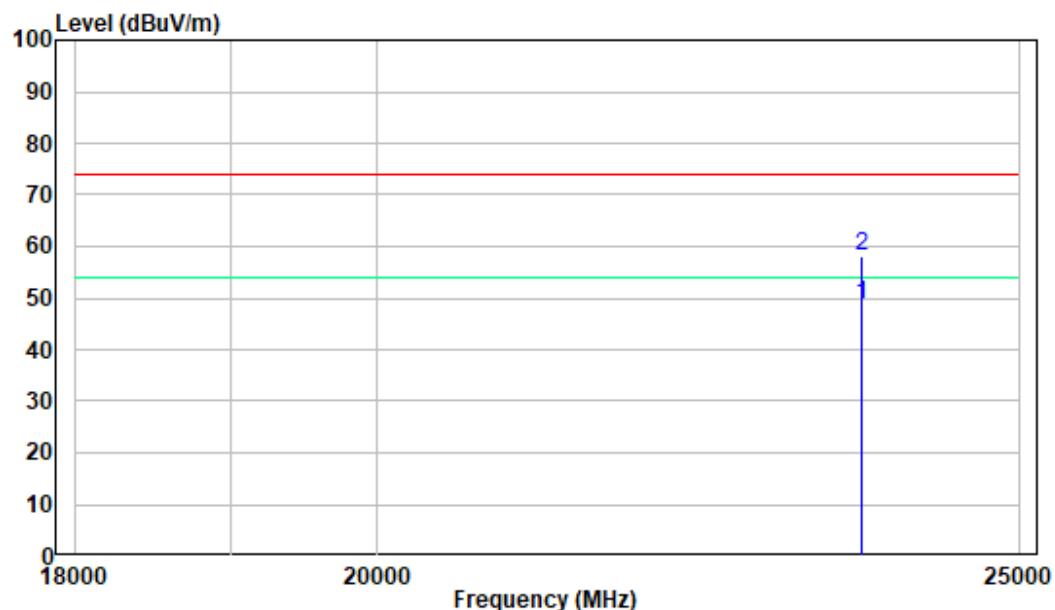
Corrected Amplitude = Corrected Factor + Reading

Margin = Corrected. Amplitude - Limit

The other spurious emission which is in the noise floor level was not recorded.

The test result of peak was less than the limit of average, so just peak value were recorded.

1-18 GHz:**Pre-scan for 802.11 b, High Channel****Horizontal****Vertical**

18 -25GHz:**Pre-scan for 802.11 b, High Channel****Horizontal****Vertical**

FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH & OCCUPIED BANDWIDTH

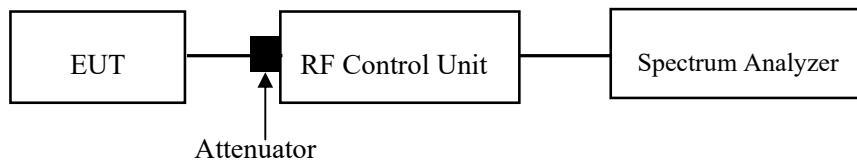
Applicable Standard

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:	23 °C
Relative Humidity:	60 %
ATM Pressure:	101.0 kPa

The testing was performed by Andy Yu on 2023-02-07.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix Wi-Fi and Appendix BLE.

FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER

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.

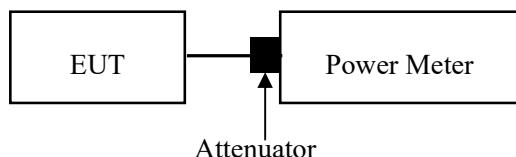
Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. 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

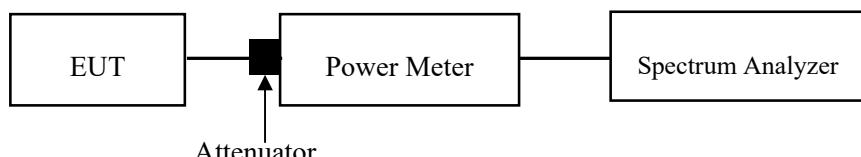
Test Method: ANSI C63.10-2013 Clause 11.9.1.1

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.

For wifi mode:



For BLE mode:



Test Data

Environmental Conditions

Temperature:	23 °C
Relative Humidity:	60 %
ATM Pressure:	101.0 kPa

The testing was performed by Andy Yu on 2023-02-07.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix Wi-Fi and Appendix BLE.

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

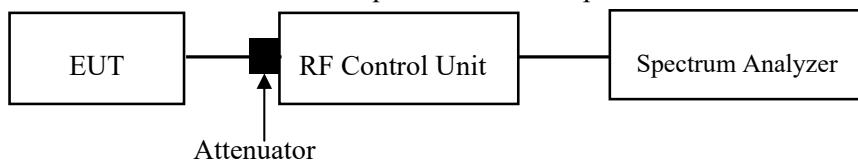
Applicable Standard

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)).

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.11

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 its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. 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.
5. Repeat above procedures until all measured frequencies were complete.



Test Data

Environmental Conditions

Temperature:	23 °C
Relative Humidity:	60 %
ATM Pressure:	101.0 kPa

The testing was performed by Andy Yu on 2023-02-07.

EUT operation mode: Transmitting

Test Result: Compliant.

Conducted Band Edge Result:

Please refer to the Appendix Wi-Fi and Appendix BLE.

FCC §15.247(e) - POWER SPECTRAL DENSITY

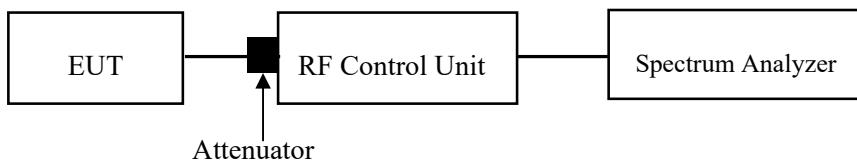
Applicable Standard

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: $3\text{kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
3. Set the VBW $\geq 3 \times \text{RBW}$.
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:	23 °C
Relative Humidity:	60 %
ATM Pressure:	101.0 kPa

The testing was performed by Andy Yu on 2023-02-07.

EUT operation mode: Transmitting

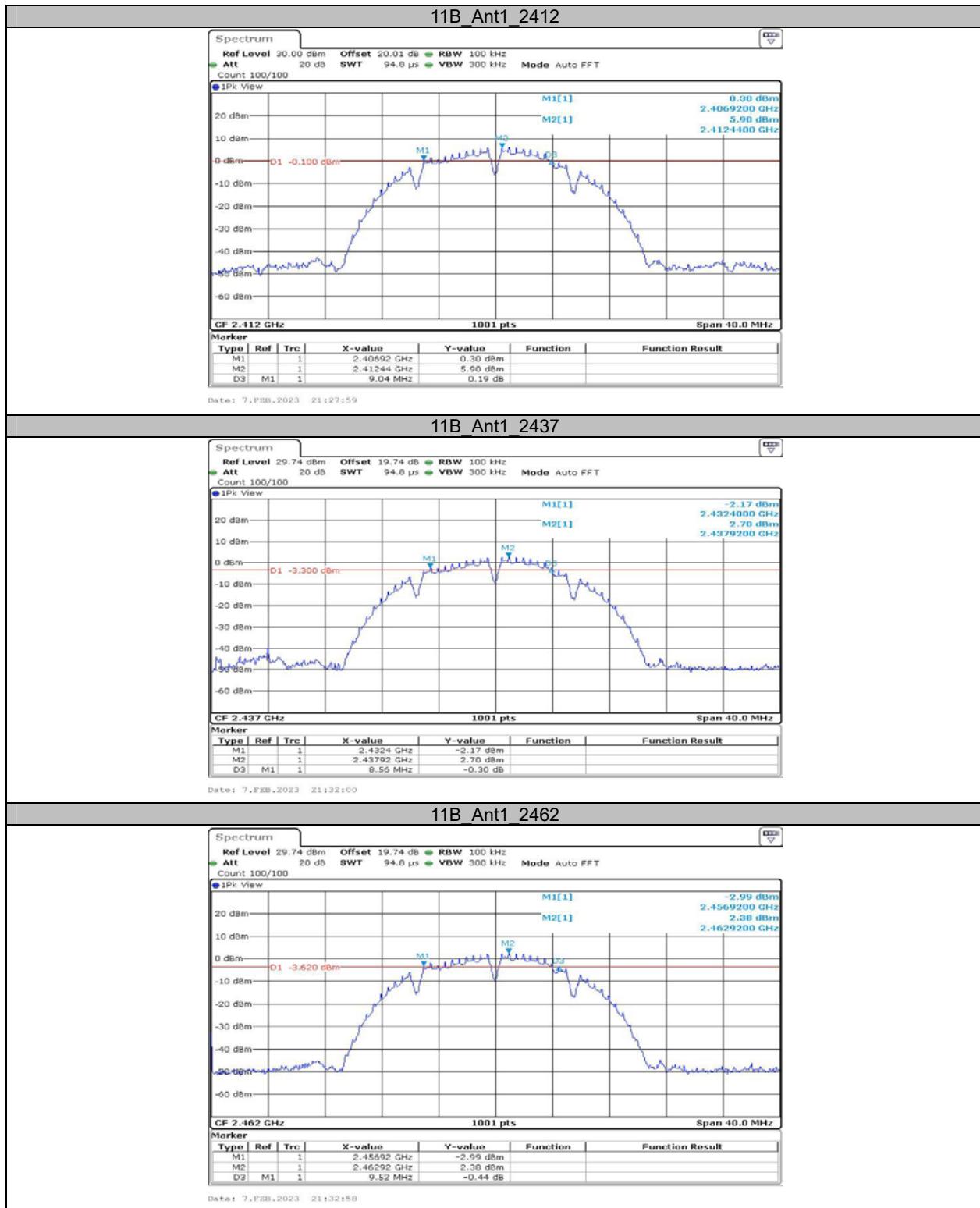
Test Result: Compliant. Please refer to the Appendix Wi-Fi and Appendix BLE.

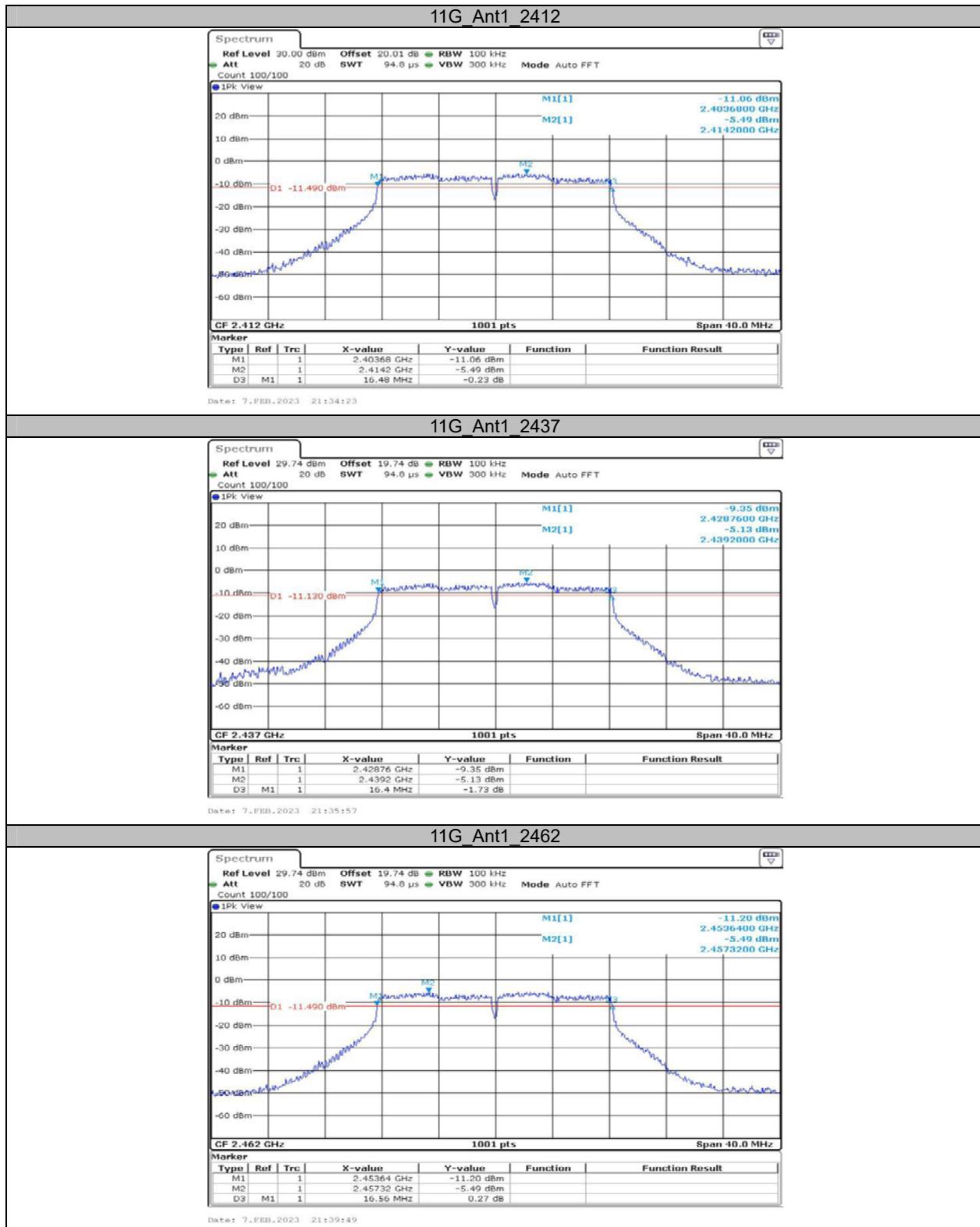
APPENDIX Wi-Fi

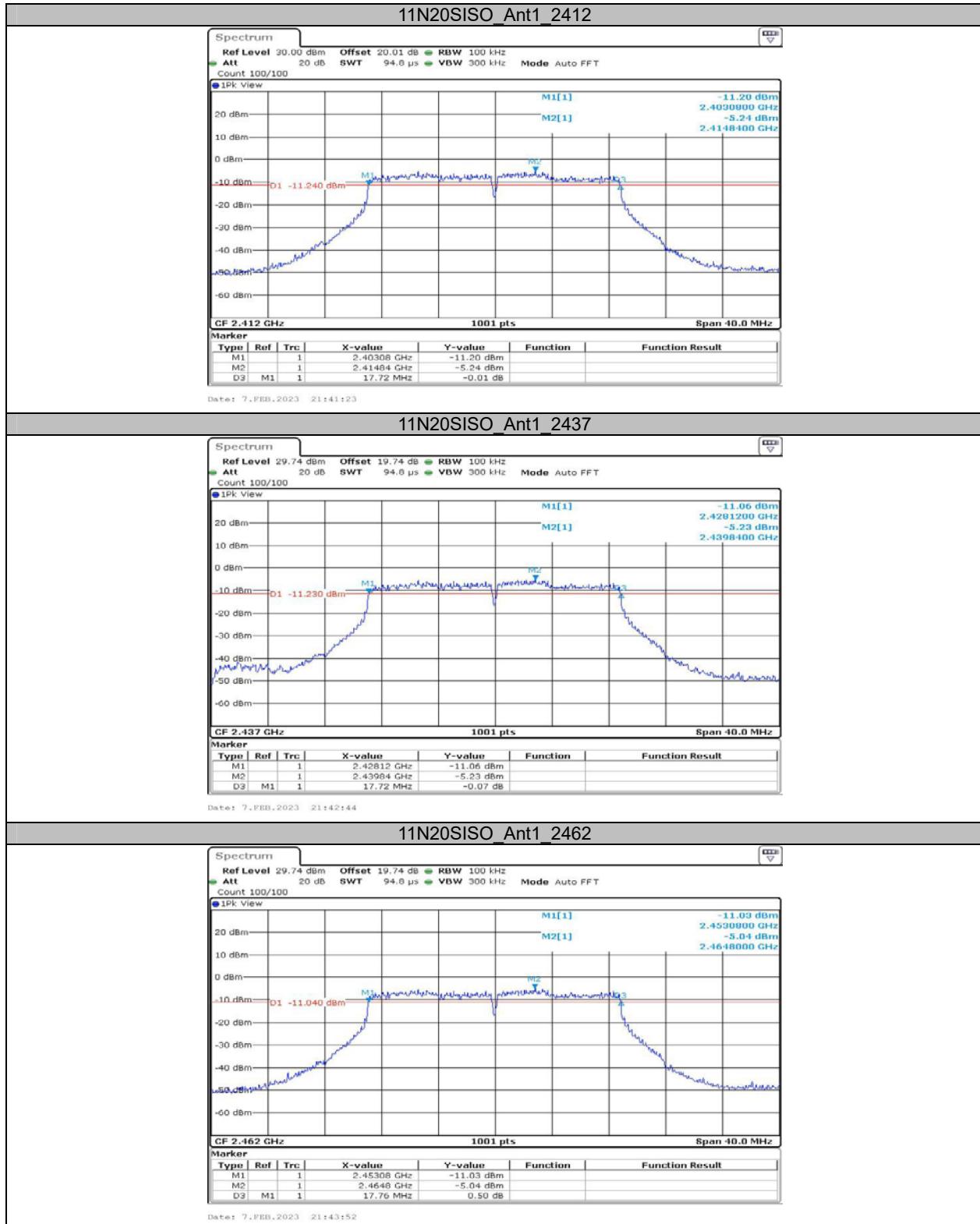
Appendix A: DTS Bandwidth Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.04	0.5	PASS
		2437	8.56	0.5	PASS
		2462	9.52	0.5	PASS
11G	Ant1	2412	16.48	0.5	PASS
		2437	16.40	0.5	PASS
		2462	16.56	0.5	PASS
11N20SISO	Ant1	2412	17.72	0.5	PASS
		2437	17.72	0.5	PASS
		2462	17.76	0.5	PASS

Test Graphs



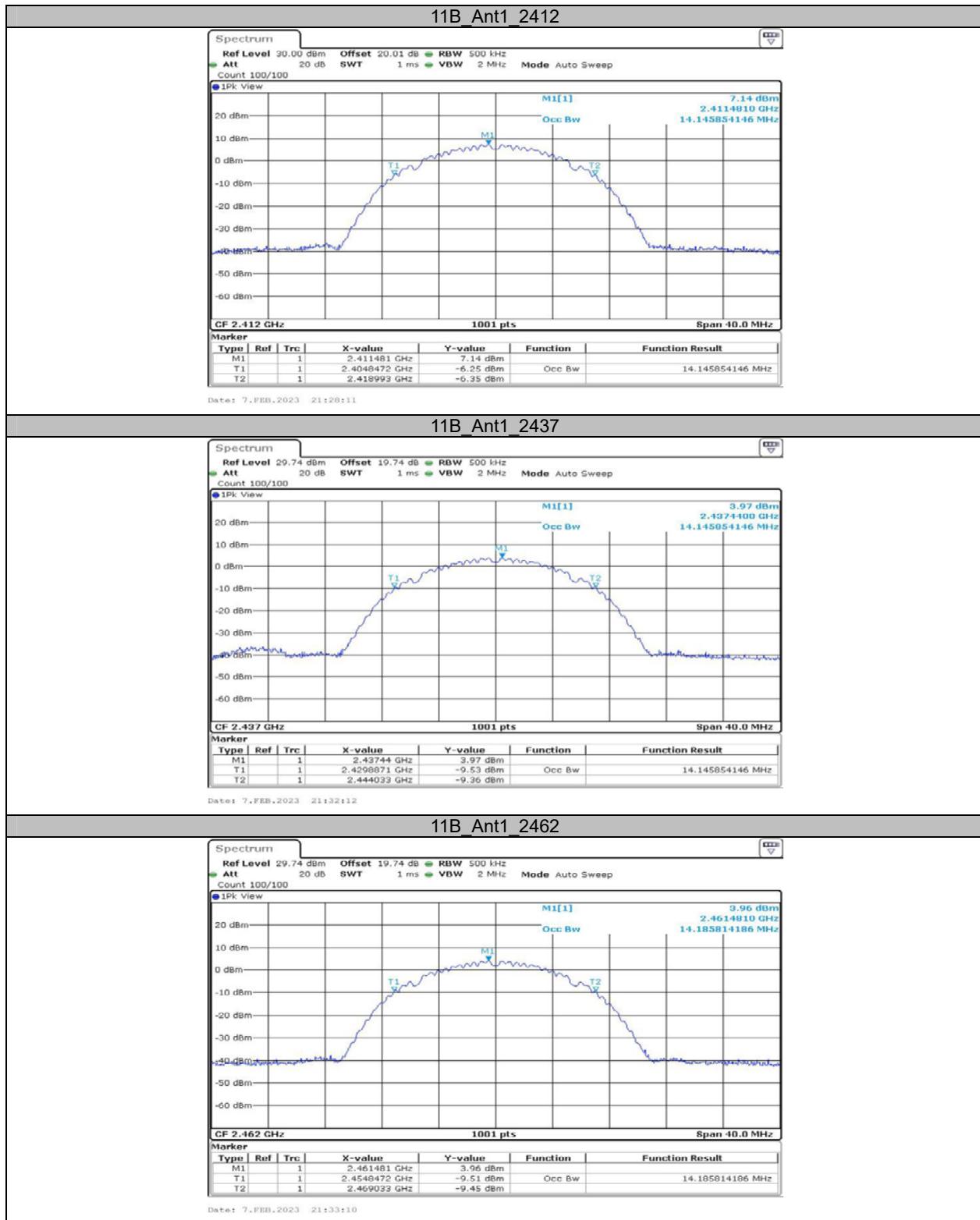


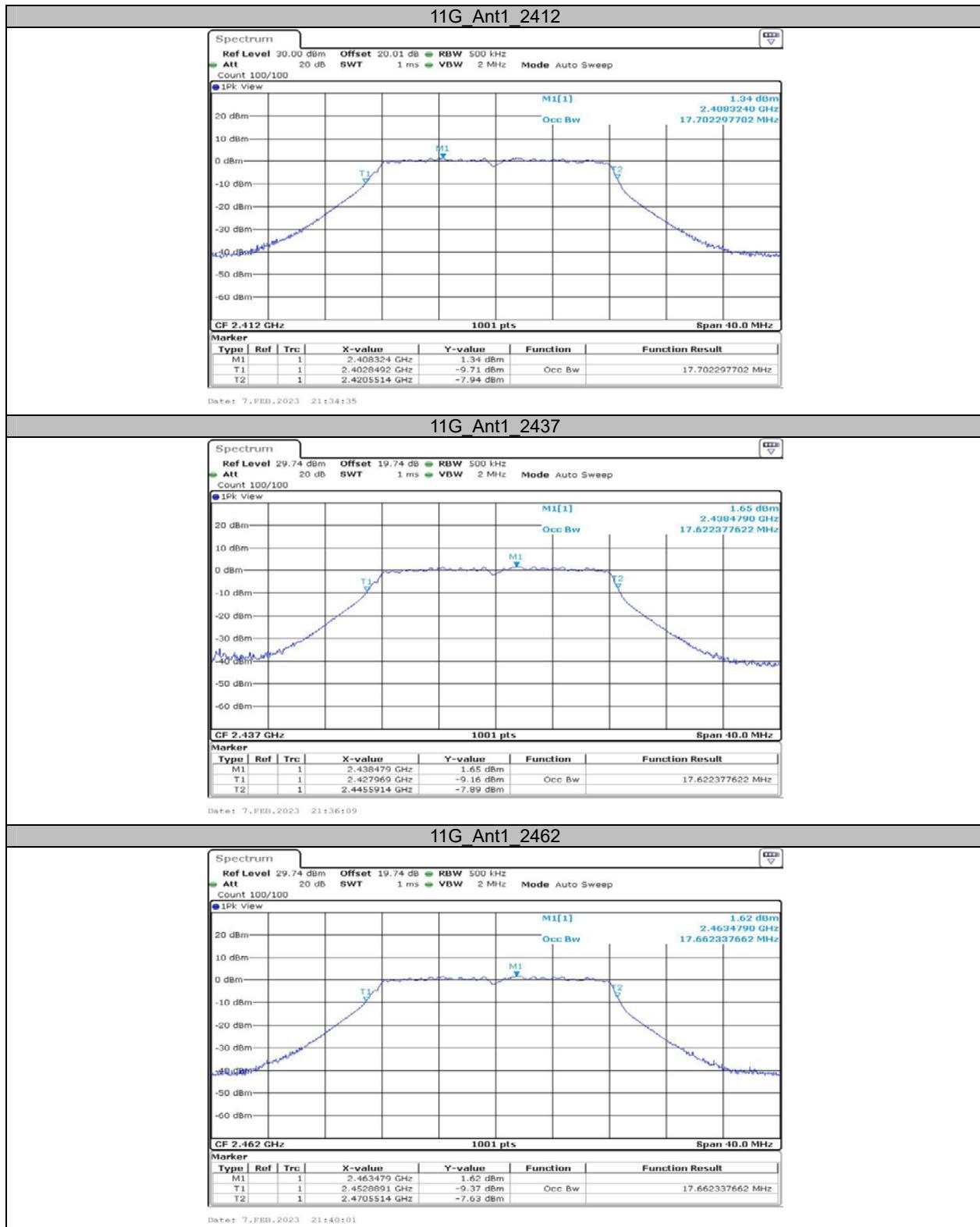


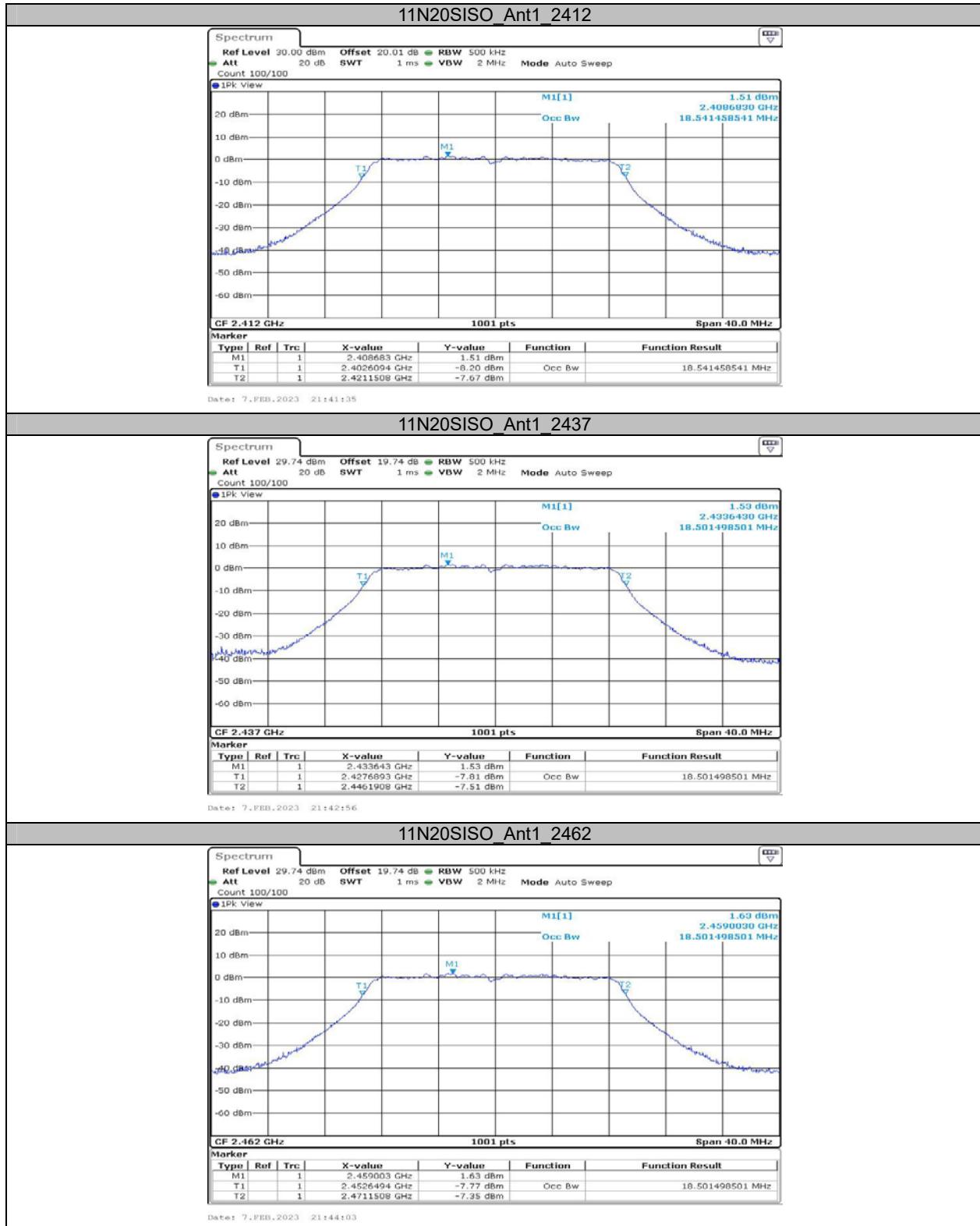
**Appendix B: Occupied Channel Bandwidth
Test Result**

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.146	2404.847	2418.993	---	---
		2437	14.146	2429.887	2444.033	---	---
		2462	14.186	2454.847	2469.033	---	---
11G	Ant1	2412	17.702	2402.849	2420.551	---	---
		2437	17.622	2427.969	2445.591	---	---
		2462	17.662	2452.889	2470.551	---	---
11N20SISO	Ant1	2412	18.541	2402.609	2421.151	---	---
		2437	18.501	2427.689	2446.191	---	---
		2462	18.501	2452.649	2471.151	---	---

Test Graphs







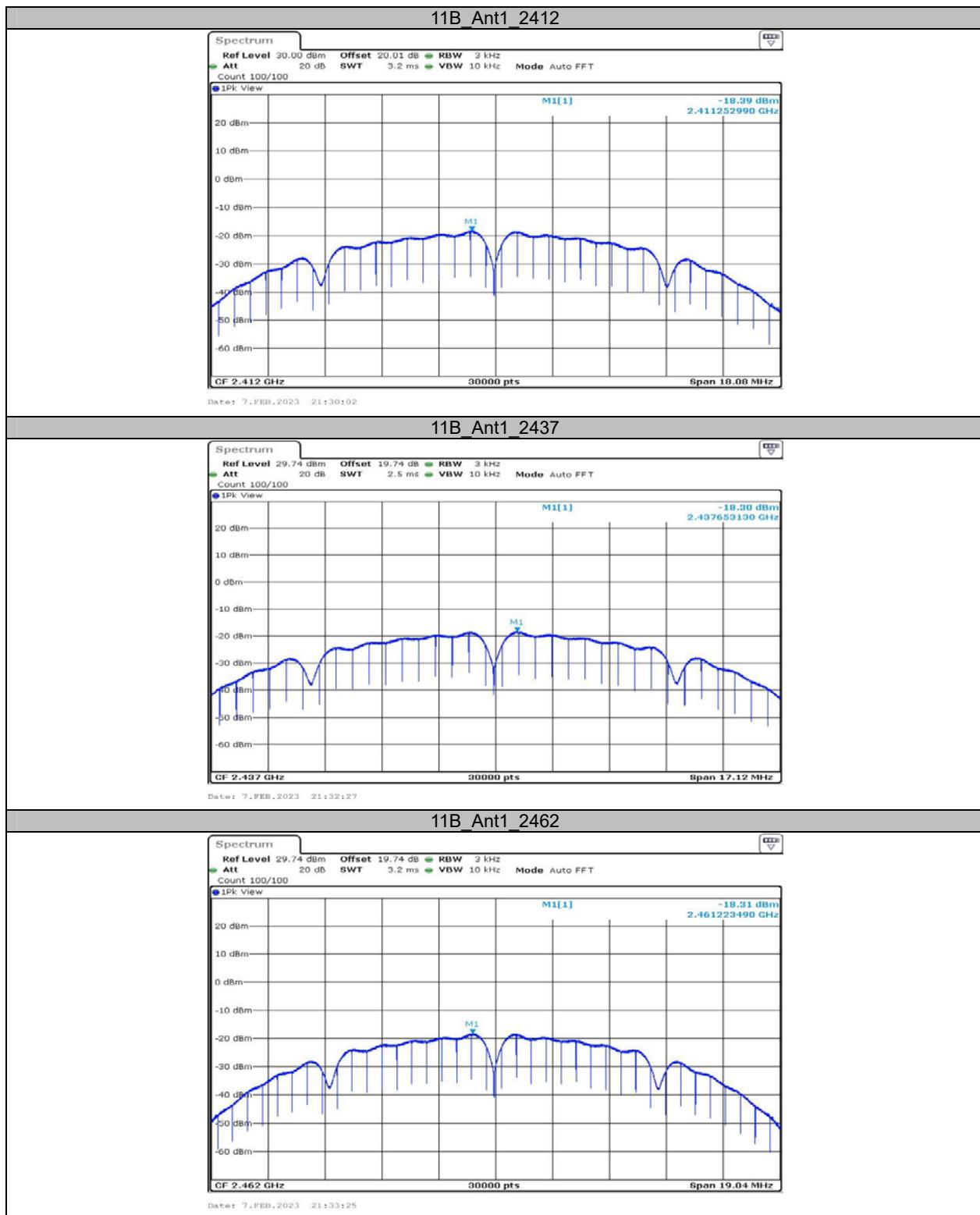
**Appendix C: Maximum conducted output power
Test Result Peak**

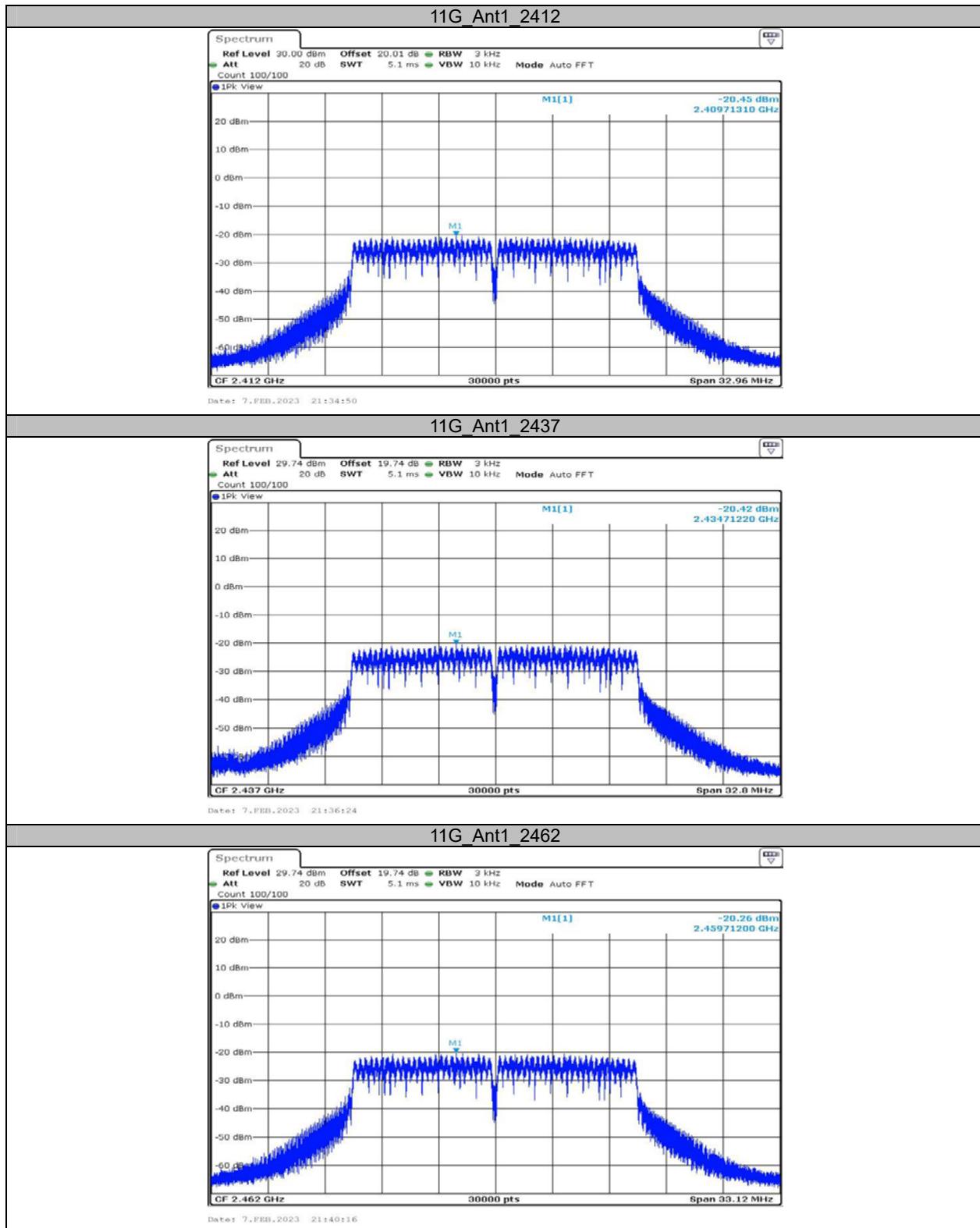
Test Mode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	15.14	≤30.00	3.42	18.56	≤36.00	PASS
		2437	15.21	≤30.00	3.42	18.63	≤36.00	PASS
		2462	15.25	≤30.00	3.42	18.67	≤36.00	PASS
11G	Ant1	2412	15.64	≤30.00	3.42	19.06	≤36.00	PASS
		2437	15.81	≤30.00	3.42	19.23	≤36.00	PASS
		2462	15.86	≤30.00	3.42	19.28	≤36.00	PASS
11N20SISO	Ant1	2412	15.94	≤30.00	3.42	19.36	≤36.00	PASS
		2437	16.10	≤30.00	3.42	19.52	≤36.00	PASS
		2462	16.15	≤30.00	3.42	19.57	≤36.00	PASS

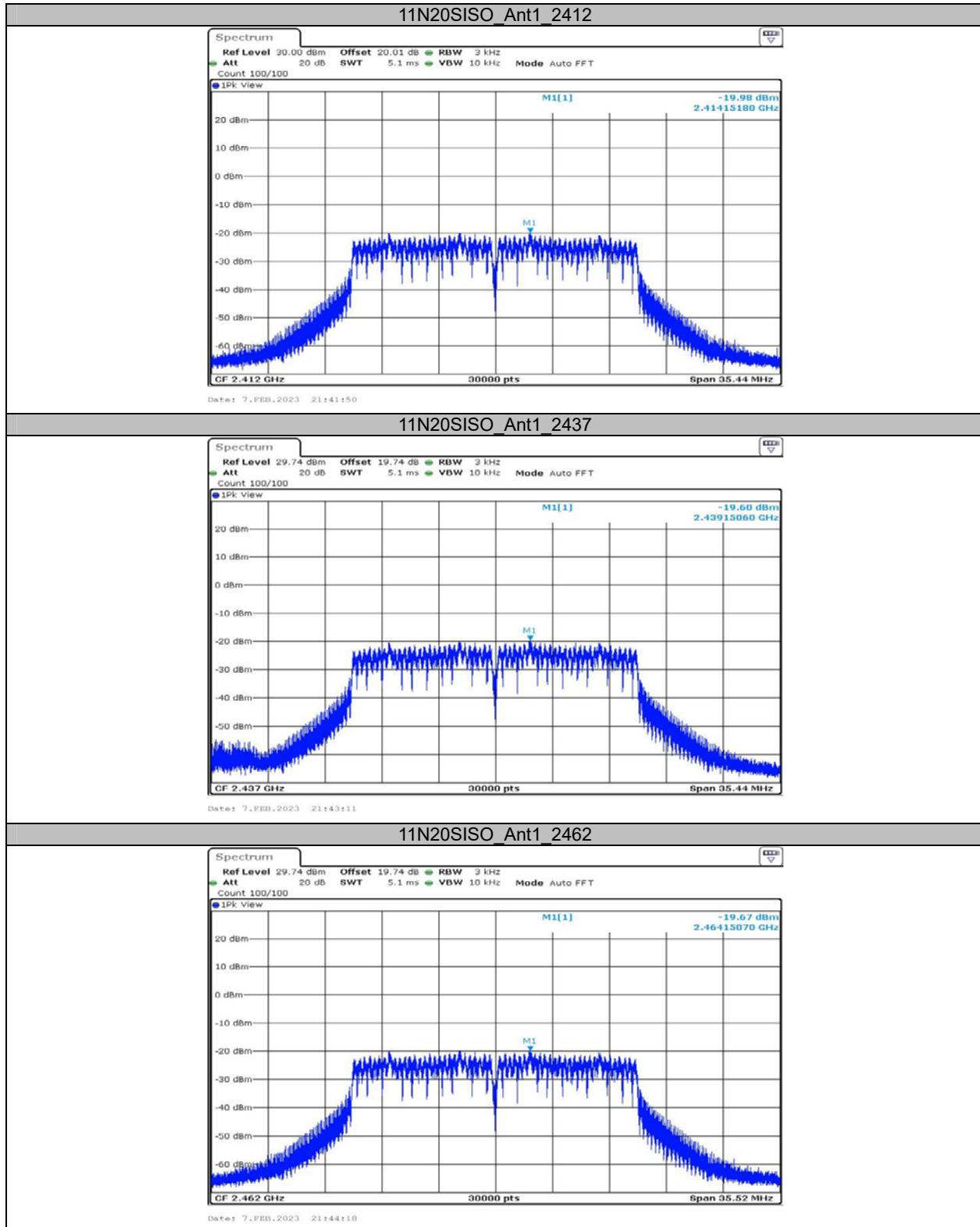
**Appendix D: Maximum power spectral density
Test Result**

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.39	≤8.00	PASS
		2437	-18.30	≤8.00	PASS
		2462	-18.31	≤8.00	PASS
11G	Ant1	2412	-20.45	≤8.00	PASS
		2437	-20.42	≤8.00	PASS
		2462	-20.26	≤8.00	PASS
11N20SISO	Ant1	2412	-19.98	≤8.00	PASS
		2437	-19.60	≤8.00	PASS
		2462	-19.67	≤8.00	PASS

Test Graphs

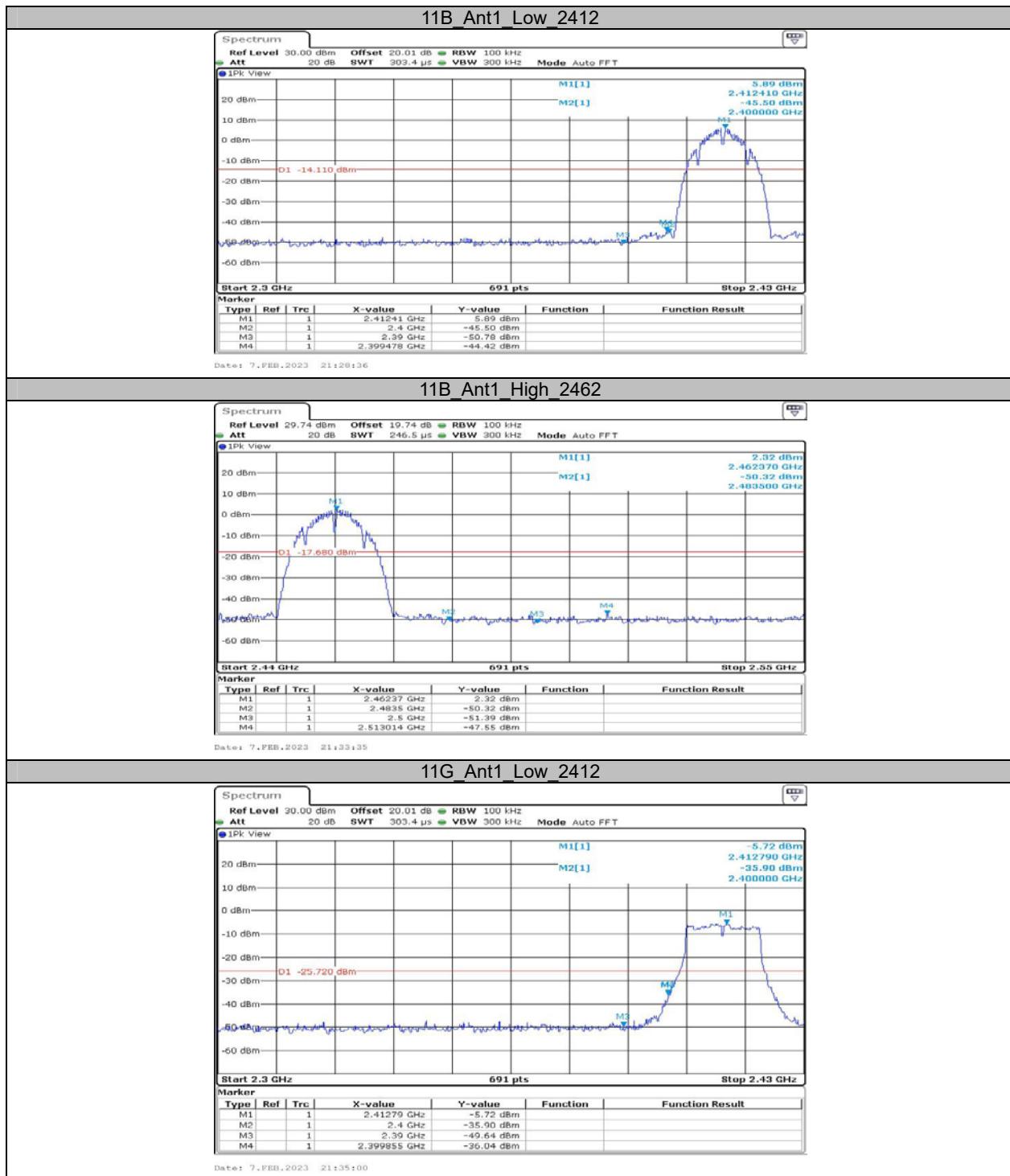


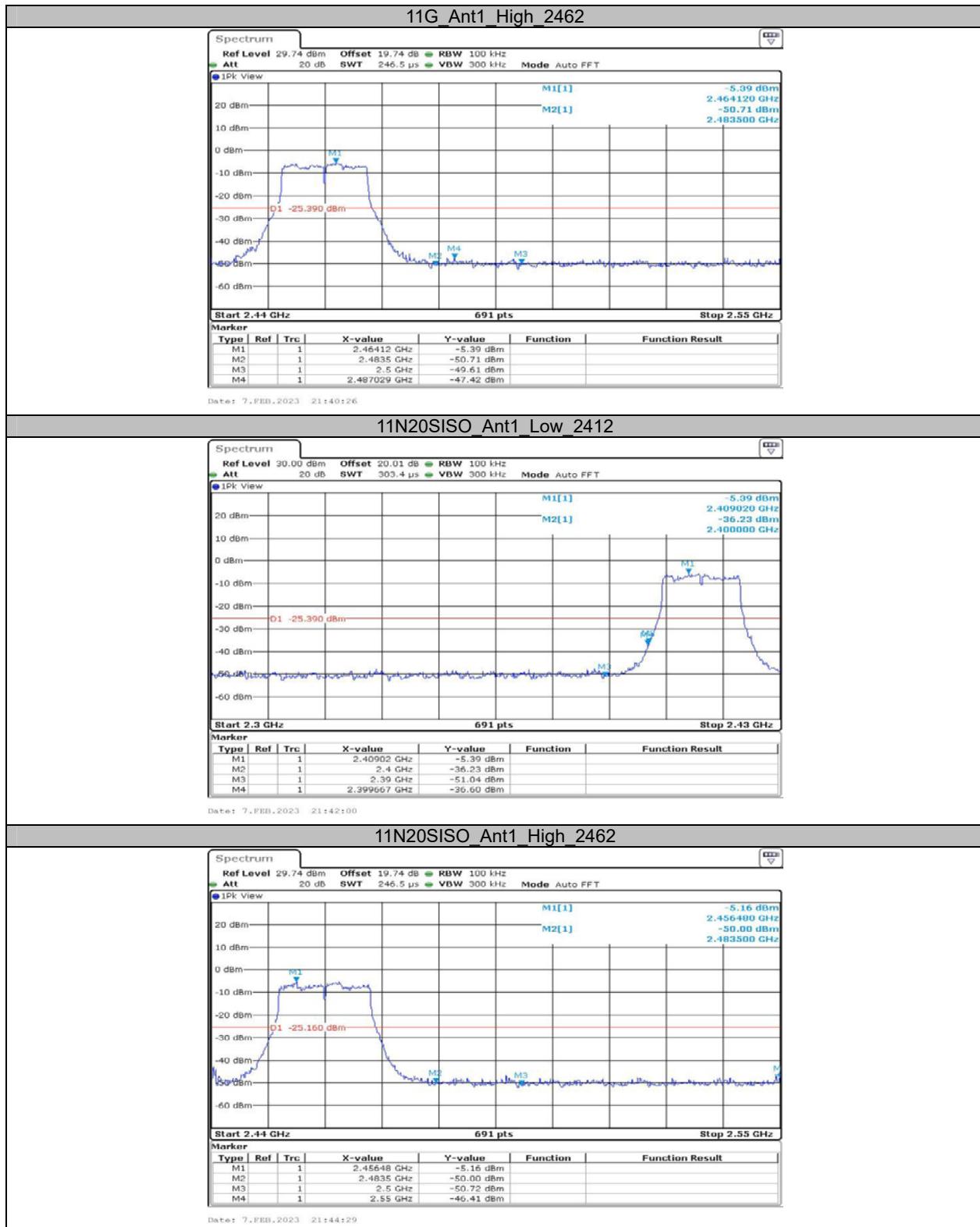




Appendix E: Band edge measurements

Test Graphs

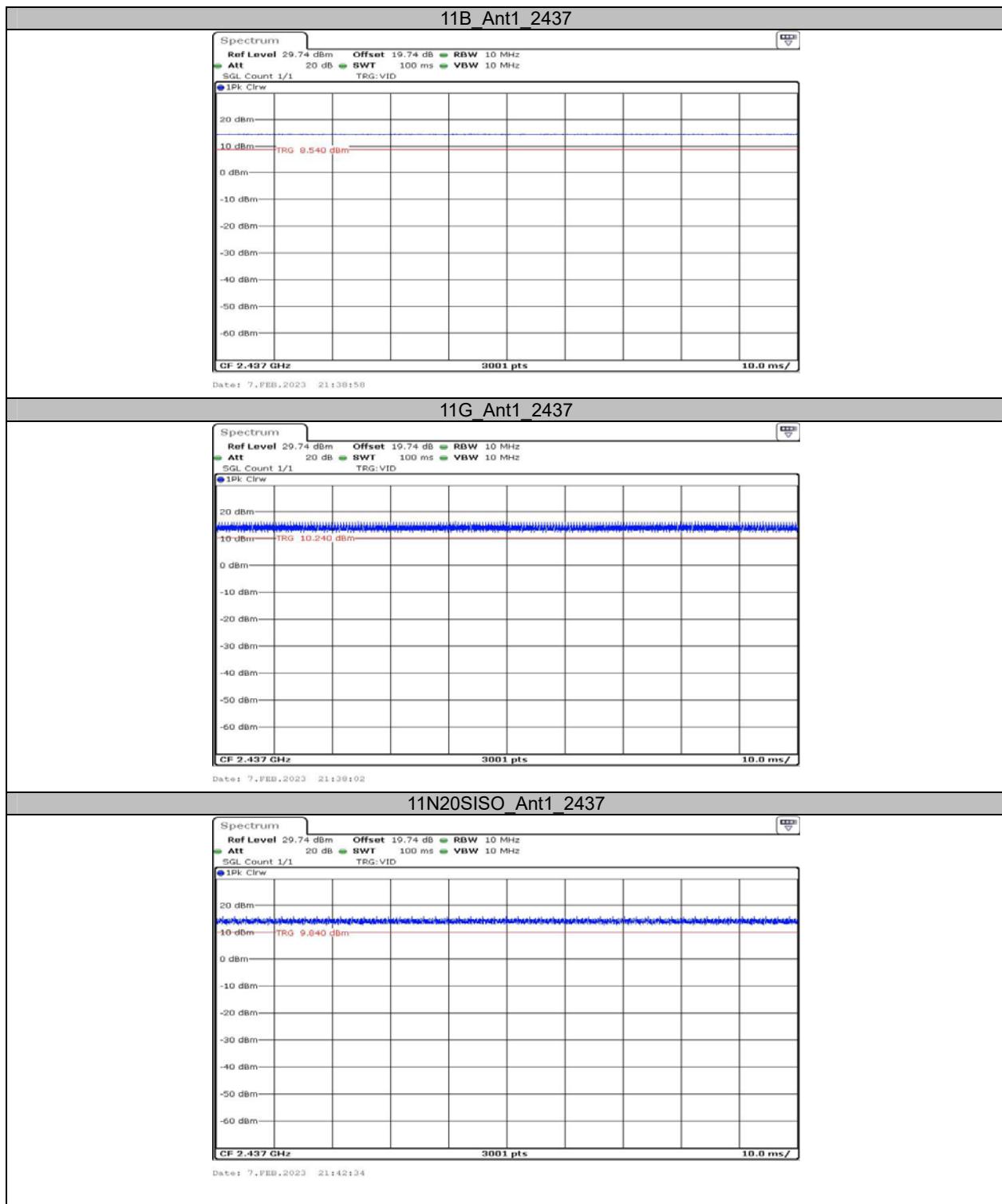




**Appendix F: Duty Cycle
Test Result**

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	100.00	100.00	100.00
11G	Ant1	2437	100.00	100.00	100.00
11N20SISO	Ant1	2437	100.00	100.00	100.00

Test Graphs

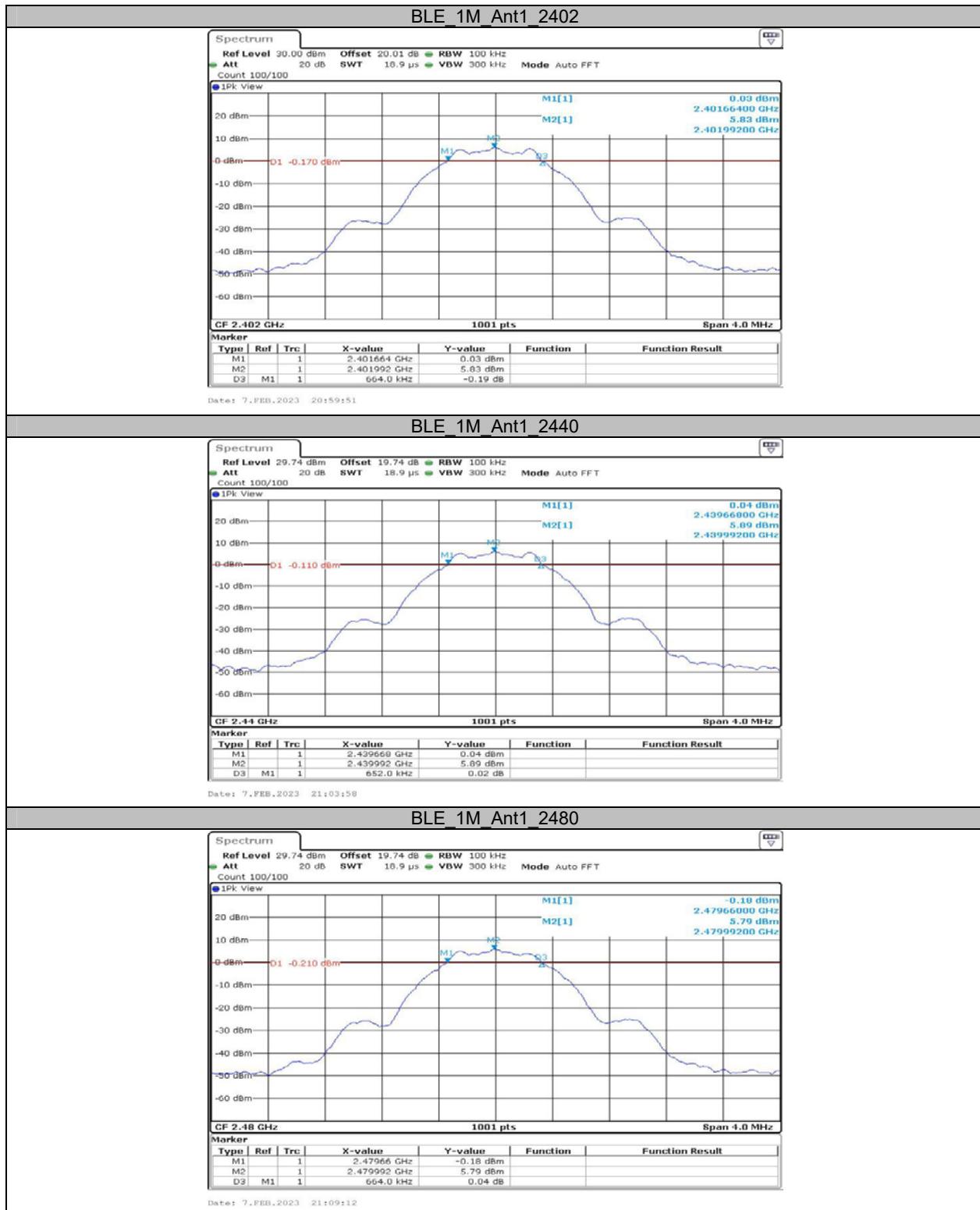


APPENDIX BLE

Appendix A: DTS Bandwidth Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	0.5	PASS
		2440	0.65	0.5	PASS
		2480	0.66	0.5	PASS

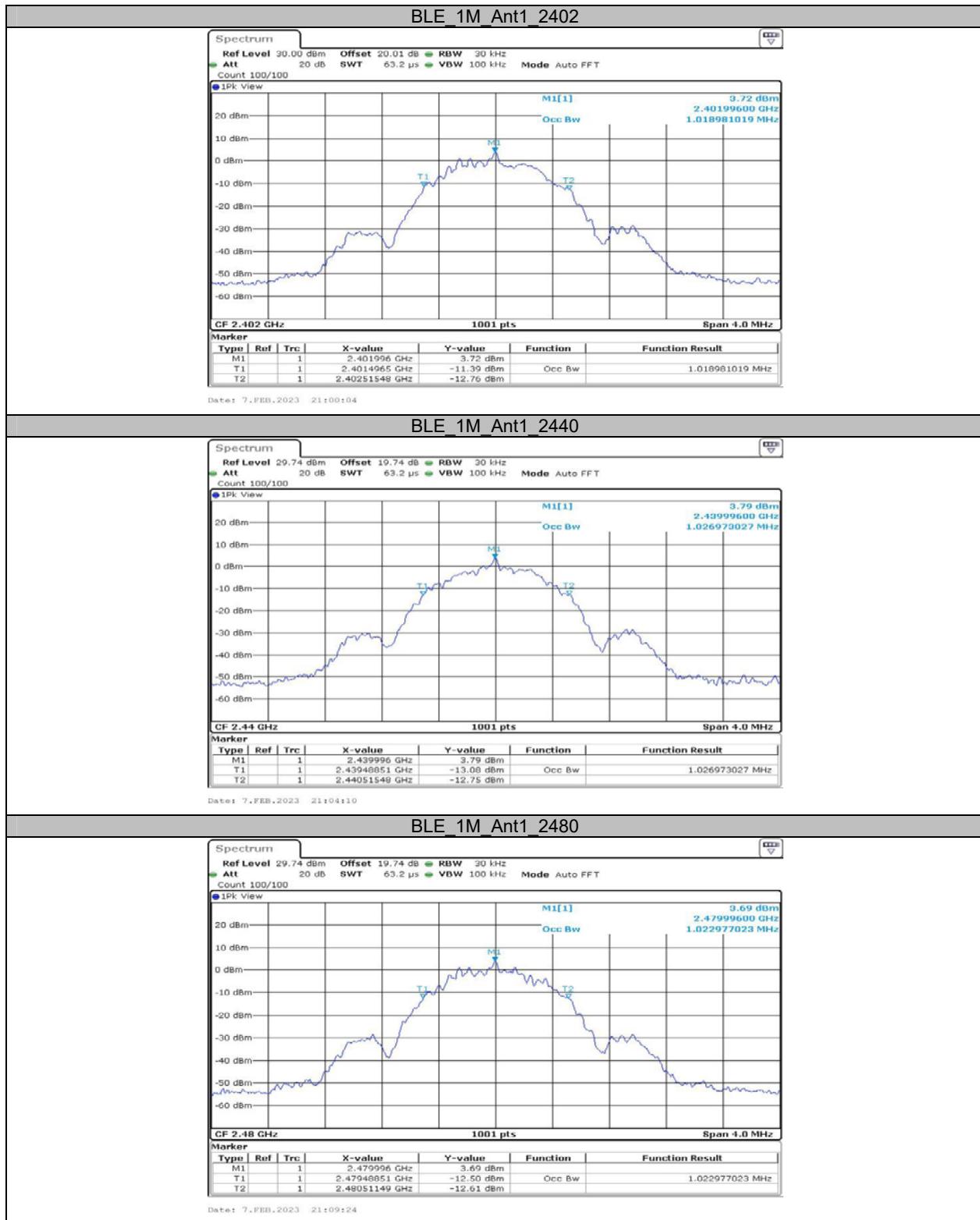
Test Graphs



**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	1.019	2401.497	2402.515	---	---
		2440	1.027	2439.489	2440.515	---	---
		2480	1.023	2479.489	2480.511	---	---

Test Graphs



**Appendix C: Maximum conducted output power
Test Result Peak**

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	6.53	≤30	3.42	9.95	≤36	PASS
		2440	7.06	≤30	3.42	10.48	≤36	PASS
		2480	6.85	≤30	3.42	10.27	≤36	PASS

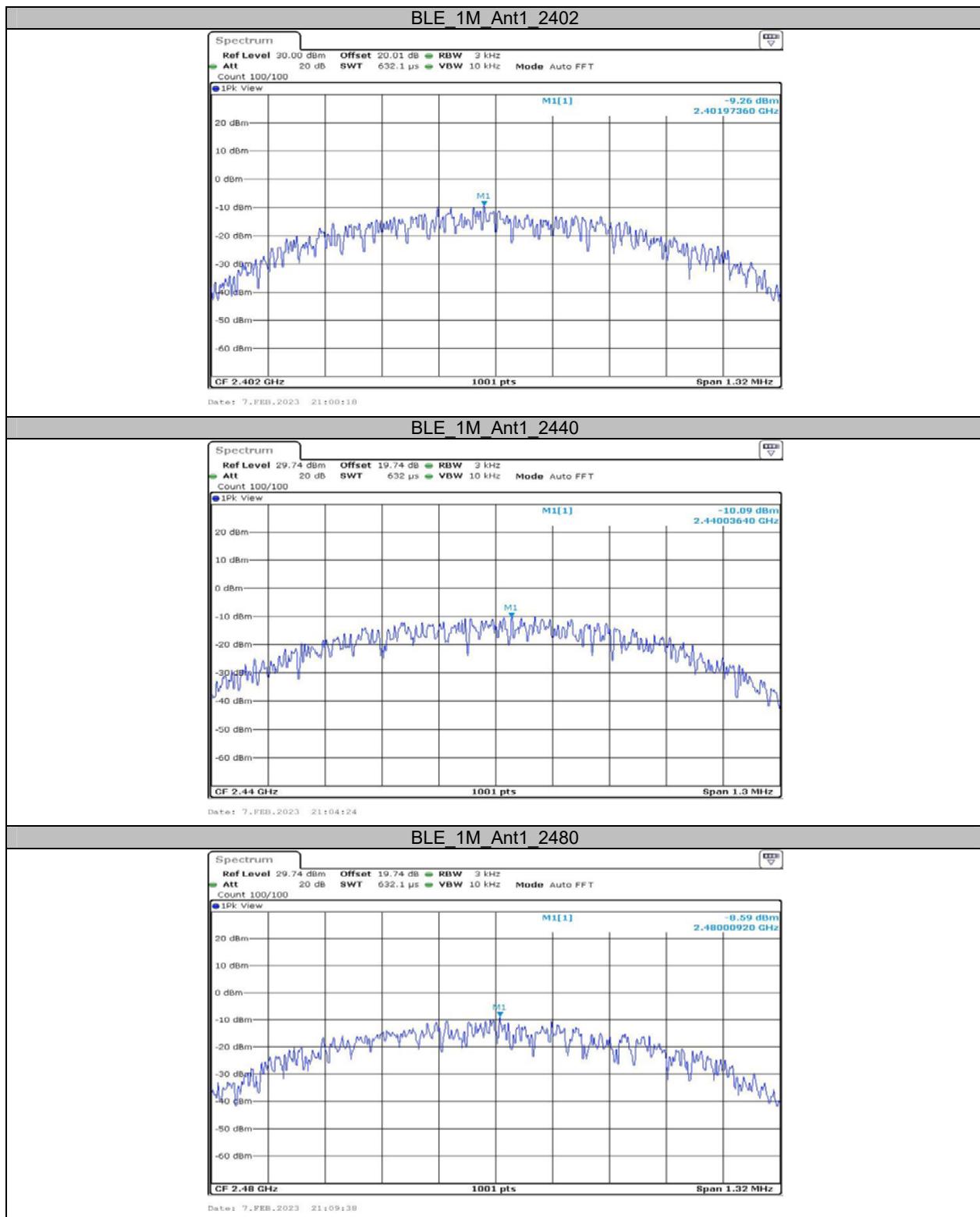
Test Graphs Peak



**Appendix D: Maximum power spectral density
Test Result**

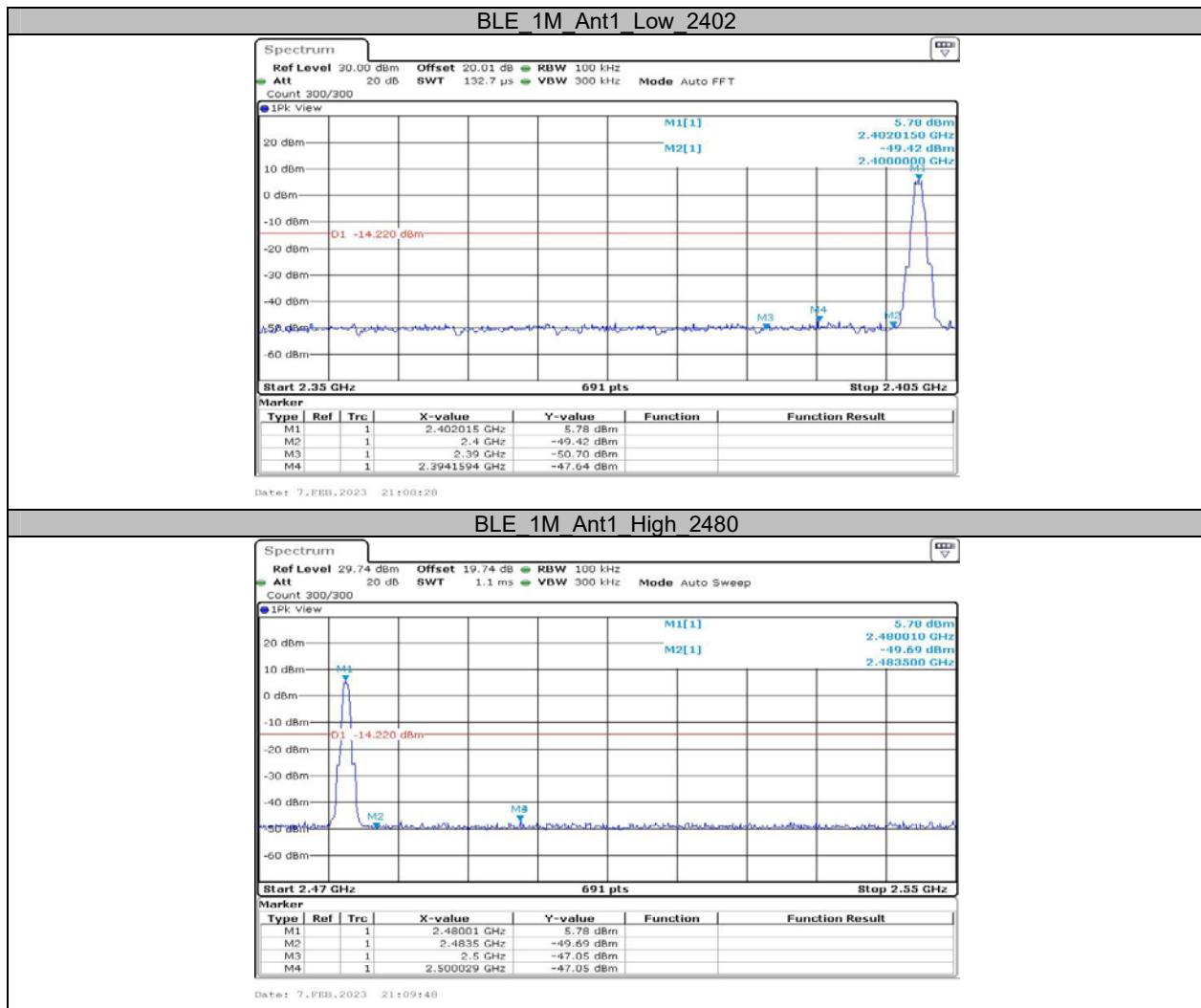
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.26	≤8.00	PASS
		2440	-10.09	≤8.00	PASS
		2480	-8.59	≤8.00	PASS

Test Graphs



Appendix E: Band edge measurements

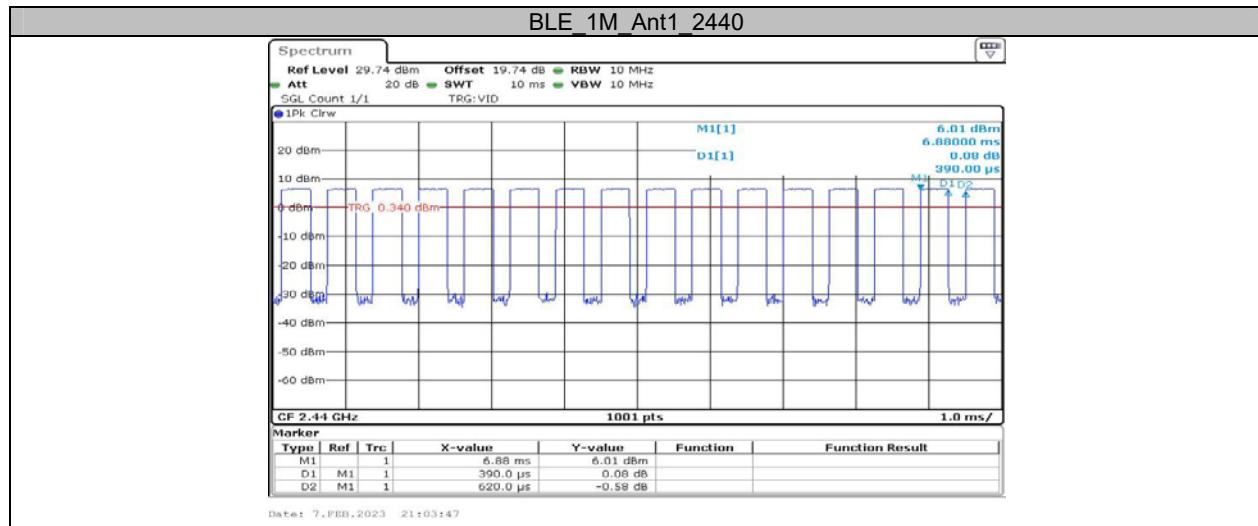
Test Graphs



Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2440	0.39	0.62	62.90

Test Graphs



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