Prüfbericht - Produkte
Test Report - Products

TÜVRheinland®

Prüfbericht-Nr.: *Test report no.:*	**CN22KXO3 002**	**Auftrags-Nr.:** *Order no.:*	**168363827**	**Seite 1 von 22** *Page 1 of 22*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2022-04-11	
Auftraggeber: *Client:*	**ebuynow ecommerce Ltd** The Atrium, 1321 Blanshard Street, Suite 301 Victoria, British Columbia, BC V8W 0B6 Victoria, Canada			
Prüfgegenstand: *Test item:*	Moto Watch 200			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	MOSWZ200 (Trademark: Ⓜ)			
Auftrags-Inhalt: *Order content:*	FCC and IC approval			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2.1093		RSS-247 Issue 2 February 2017 RSS-Gen Issue 5 February 2021 RSS-102 Issue 5 February 2021	

Wareneingangsdatum: *Date of receipt:*	2022-06-15	Please refer to photo documents
Prüfmuster-Nr.: *Test sample No.:*	A003279449-010~016 A003281991-001~005	
Prüfzeitraum: *Testing period:*	2022-06-17 – 2022-07-21	
Ort der Prüfung: *Place of testing:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result*:*	Pass	

geprüft von: *tested by:*	X Alex Lan	**genehmigt von:** *authorized by:*	X Winnie Hou
Datum: *Date:* 2022-09-19	Signed by: Alex Lan	**Ausstellungsdatum:** *Issue date:* 2022-09-20	Signed by: Winnie Hou
Stellung / Position	Assistant Project Manager	**Stellung** / Position	Department Manager

Sonstiges / *Other:* FCC ID: 2AT76-MOSWZ200
IC: 22297-MOSWZ200 HVIN: MOSWZ200

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhalt
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specifications(s)		*F(ail) = failed a.m. test specifications(s)*	*N/A = not applicable*	*N/T = not tested*

TÜV Rheinland (Shenzhen) Co., Ltd. 1601 R&D Room, 1602-1604, 17-18F, Building 7 Site C, Vanke Cloud City Phase I, Xingke First Street, Xili Street, Xili Community, Nanshan District, Shenzhen 518052, P.R. China
Mail: service@de.tuv.com · Web: www.tuv.com

Test Summary

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER
RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY
RESULT: Pass

5.1.4 99%DB BANDWIDTH
RESULT: Pass

5.1.5 6DB BANDWIDTH
RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH
RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION
RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of Conducted & Radiated Testing

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Registration No.: 694916

IC Registration No.: 25069 and the CAB identifier is CN0078.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2022-09-28
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2022-09-28
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2022-09-28
DC power supply	Keysight	E3642A	MY61276100	2022-09-28
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2022-09-28
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2022-09-28
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A
Shielding Room 8#	Albatross	SR8	APC17151-SR8	2024-06-22
Unwanted Emission Testing (TS9975)				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EMI Test Receiver	R&S	ESR 7	102021	2022-08-10
Signal Analyzer	R&S	FSV 40	101439	2022-08-09
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2022-08-09
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2022-08-09
Amplifier	R&S	SCU-18F	180070	2022-08-09
Amplifier	R&S	SCU40A	100475	2022-08-09
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2022-08-08
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2022-08-08
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2022-08-08
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2022-09-13
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22

Conducted Emissions				
Equipment	**Manufacturer**	**M/N**	**S/N**	**Calibrated until**
EMI Test Receiver	R&S	ESR3	102680	2023-02-27
Artificial Mains Network	R&S	ENV216	101445	2023-02-27
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Parameter	Uncertainty (k=2)
Occupied Channel Bandwidth	± 2.08 %
RF output power, conducted	± 0.99 dB
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China. is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a smart watch which supports Bluetooth dual mode and GNSS technologies.

For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	Moto Watch 200
Type Designation	MOSWZ200
Trademark	
FCC ID	2AT76-MOSWZ200
IC	22297-MOSWZ200
HVIN	MOSWZ200
Operating Voltage	DC 3.85V, 355mAh via built-in Lithium Battery DC 5V via power cable for charging
Technical Specification of Classic Bluetooth	
Bluetooth Core Version	Bluetooth 5.0
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, 8DPSK, π/4DQPSK
Antenna Type	Ceramic antenna
Antenna Gain	3.45 dBi
Technical Specification of Bluetooth Low Energy	
Bluetooth Core Version	Bluetooth 5.2
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	40 channels
Channel separation	2MHz
Data rate	125kbps, 500kbps, 1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	Ceramic antenna
Antenna Gain	3.45 dBi

According to the declaration of the applicant, the Classic Bluetooth and Bluetooth Low Energy cannot transmit simultaneous.

Table 3: RF Channel and Frequency of Classic Bluetooth

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	**2402.00**	20	2422.00	40	2442.00	60	2462.00
01	2403.00	21	2423.00	41	2443.00	61	2463.00
02	2404.00	22	2424.00	42	2444.00	62	2464.00
03	2405.00	23	2425.00	43	2445.00	63	2465.00
04	2406.00	24	2426.00	44	2446.00	64	2466.00
05	2407.00	25	2427.00	45	2447.00	65	2467.00
06	2408.00	26	2428.00	46	2448.00	66	2468.00
07	2409.00	27	2429.00	47	2449.00	67	2469.00
08	2410.00	28	2430.00	48	2450.00	68	2470.00
09	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	**78**	**2480.00**
19	2421.00	**39**	**2441.00**	59	2461.00	--	--

Table 4: RF Channel and Frequency of Bluetooth Low Energy

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	**2402.00**	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	**19**	**2440.00**	29	2460.00	**39**	**2480.00**

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth LE transmitting mode
    1. Low channel
    2. Middle channel
    3. High channel

B. On, Charging with normal operating

C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Block Diagram
- FCC/IC Label and Location Info
- Operation Description
- Photo Document
- Schematics
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model *MOSWZ200* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 30MHz)

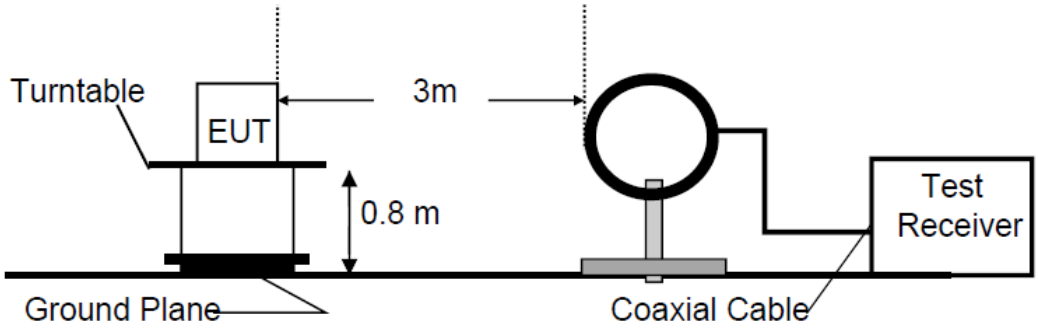


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

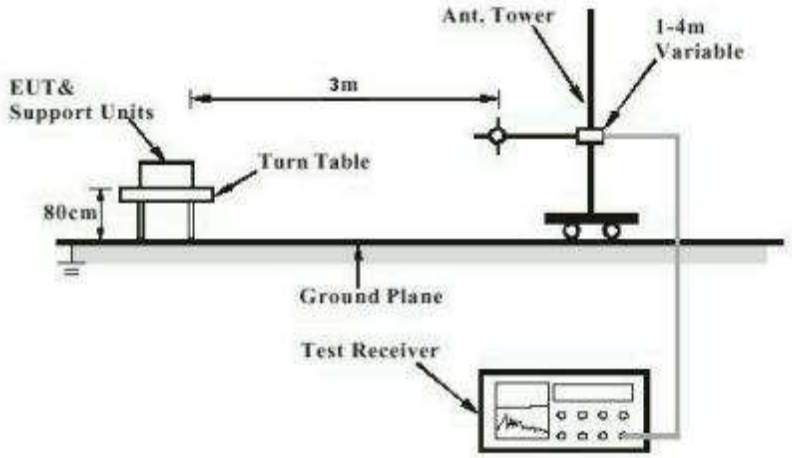


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

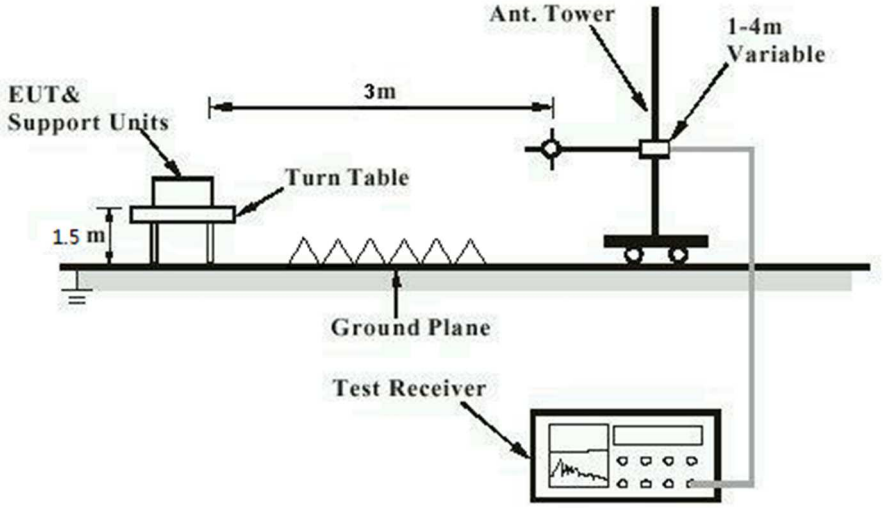


Diagram of Measurement Configuration for Mains Conduction Measurement

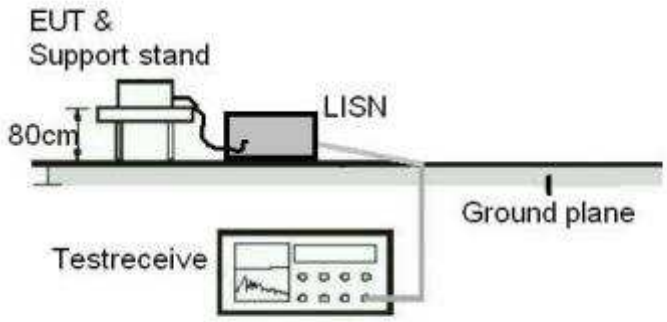
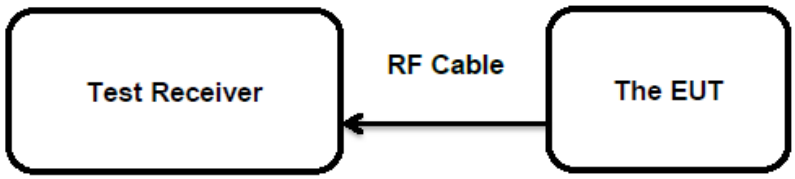


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen Clause 6.7
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has two integral antenna, the directional gain of antennas are 3.45 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(3) RSS-247 Clause 5.4(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	< 1 Watt (Maximum Conducted Peak Power) e.i.r.p. <4W
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-17
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	25.2 ℃
Relative humidity	:	42 %
Atmospheric pressure	:	101 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
Bluetooth (Low Energy)	1 Mbps	2402	0.93	0.0012	< 1.0
		2440	0.45	0.0011	
		2480	0.15	0.0010	
	2 Mbps	2402	0.81	0.0012	
		2440	0.38	0.0011	
		2480	0.12	0.0010	
	125 Kbps	2402	0.81	0.0012	
		2440	0.31	0.0011	
		2480	0.08	0.0010	
	500 Kbps	2402	0.78	0.0012	
		2440	0.33	0.0011	
		2480	0.13	0.0010	
Maximum Measured Value			0.93	0.0012	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 4.38 dBm less than 4W (36 dBm).

5.1.3 Conducted Power Spectral Density

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(e) RSS-247 Clause 5.2(b)
Basic standard	:	ANSI C63.10: 2013
Limits	:	8 dBm / 3kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-17
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	25.2 ℃
Relative humidity	:	42 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

5.1.4 99%dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	RSS-Gen clause 6.7
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-17
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	25.2 ℃
Relative humidity	:	42 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

5.1.5 6dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(2) RSS-247 Clause 5.2(a)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-17
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	25.2 ℃
Relative humidity	:	42 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limits	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-17
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	25.2 ℃
Relative humidity	:	42 %
Atmospheric pressure	:	101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix B.

5.1.7 Radiated Spurious Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3 & 5.5
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

Date of testing	:	2022-07-20 to 2022-07-21
Input voltage	:	DC 5V by USB cable
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

Remark:
Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix B.

5.1.8 Conducted Emission on AC Mains

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.207(a) RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2022-06-23
Input voltage	:	AC 120V, 60Hz
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	24.1℃
Relative humidity	:	52.6%
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

Test standard : FCC KDB Publication 447498 v06
CFR47 FCC Part 2: Section 2.1093
CFR47 FCC Part 1: Section 1.1310
RSS-102 Issue 5 March 2015

Measurement Record:

The measured maximum conducted output power of the EUT is 0.93dBm ≈ 1.239mW, which is far below the SAR exclusion threshold level 10mW (SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v06.

The measured maximum specified e.i.r.p of the EUT is 4.38dBm ≈ 2.742mW, which is far below the SAR exclusion threshold level 4mW, hence the EUT is excluded from SAR evaluation according to RSS-102 Issue 5 section 2.5.1.

7 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

8 List of Tables

Appendix B: Test Results

Appendix B.1: Test Results of Conducted Power Spectral Density

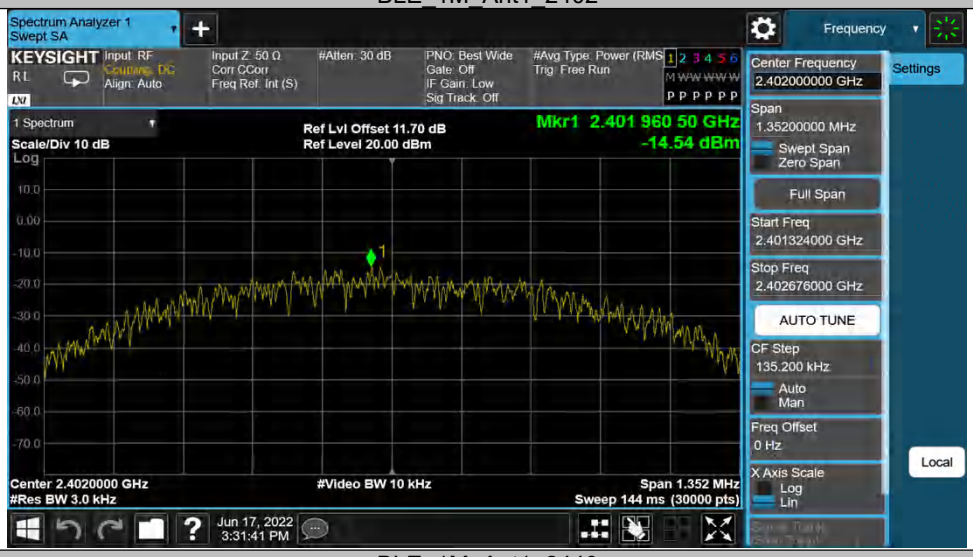
TestMode	Antenna	Channel [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_125Kbps	Ant1	2402	-5.79	≤8.00	PASS
		2440	-6.17	≤8.00	PASS
		2480	-6.5	≤8.00	PASS
BLE_1Mbps	Ant1	2402	-14.54	≤8.00	PASS
		2440	-15.04	≤8.00	PASS
		2480	-15.43	≤8.00	PASS
BLE_2Mbps	Ant1	2402	-16.89	≤8.00	PASS
		2440	-17.21	≤8.00	PASS
		2480	-17.63	≤8.00	PASS
BLE_500Kbps	Ant1	2402	-5.94	≤8.00	PASS
		2440	-6.29	≤8.00	PASS
		2480	-6.55	≤8.00	PASS

BLE_125K_Ant1_2402

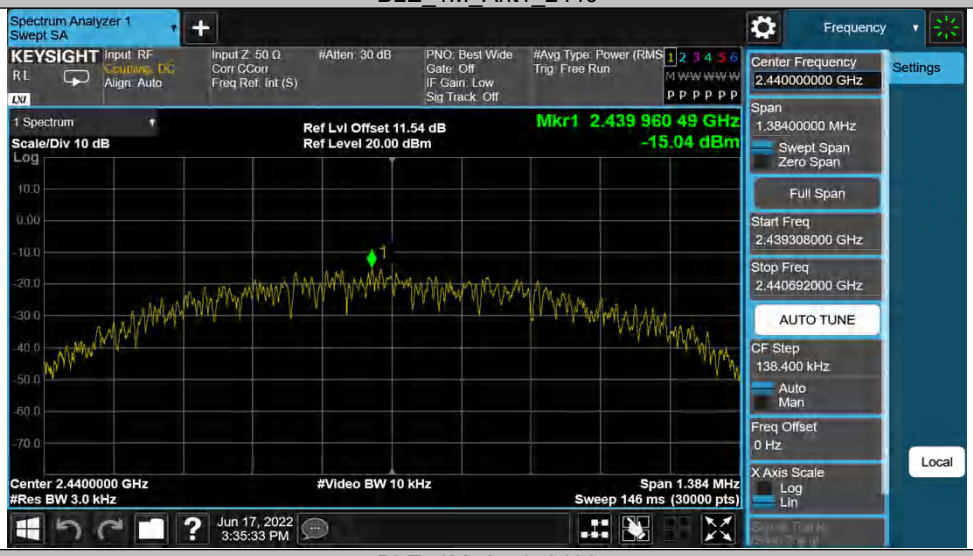
BLE_125K_Ant1_2440

BLE_125K_Ant1_2480

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



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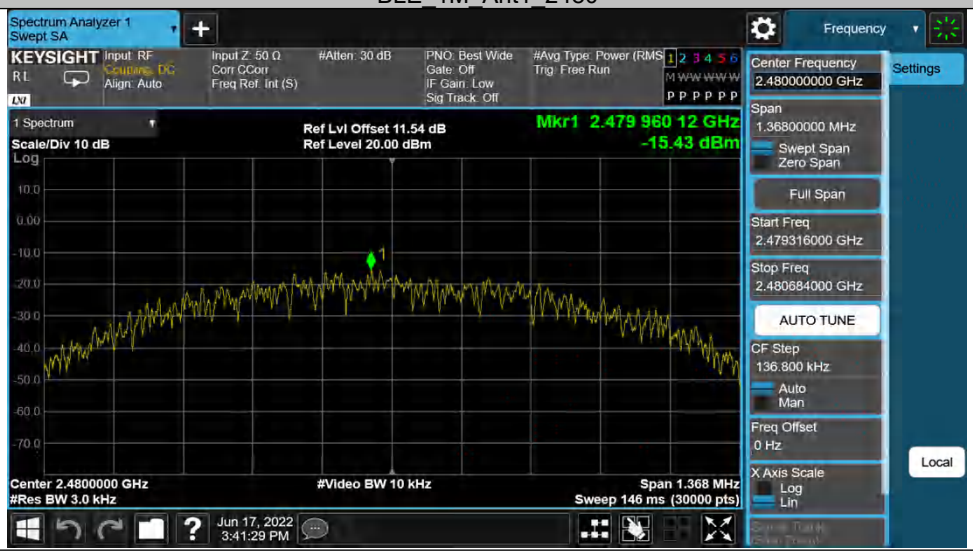
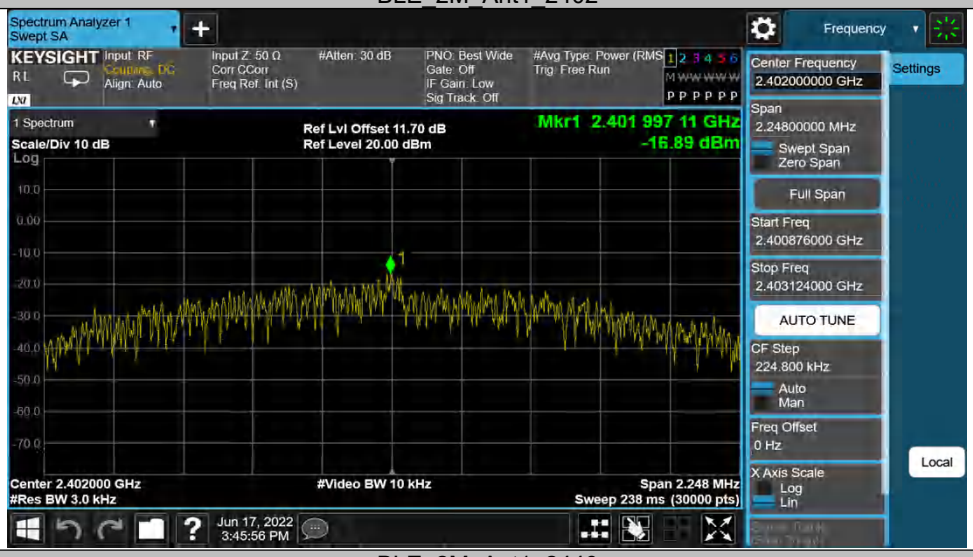
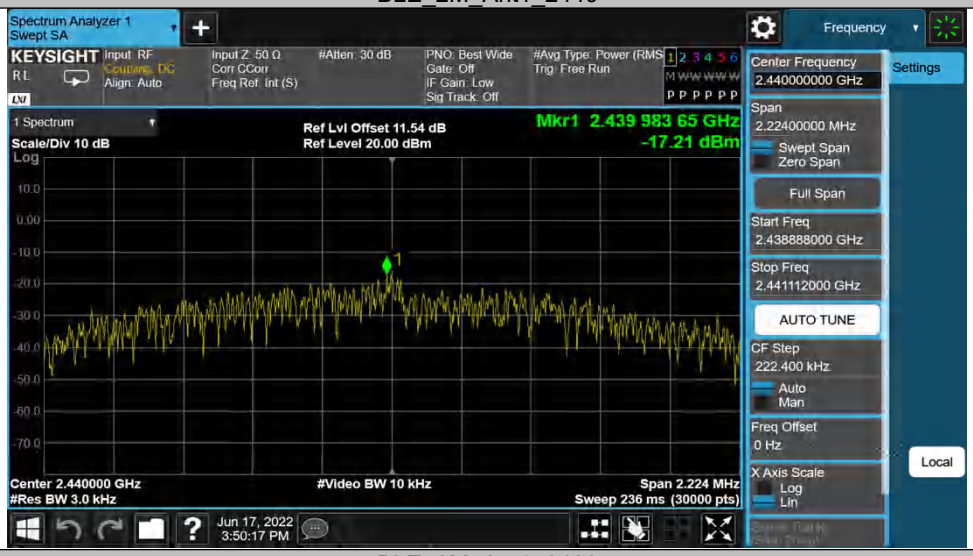


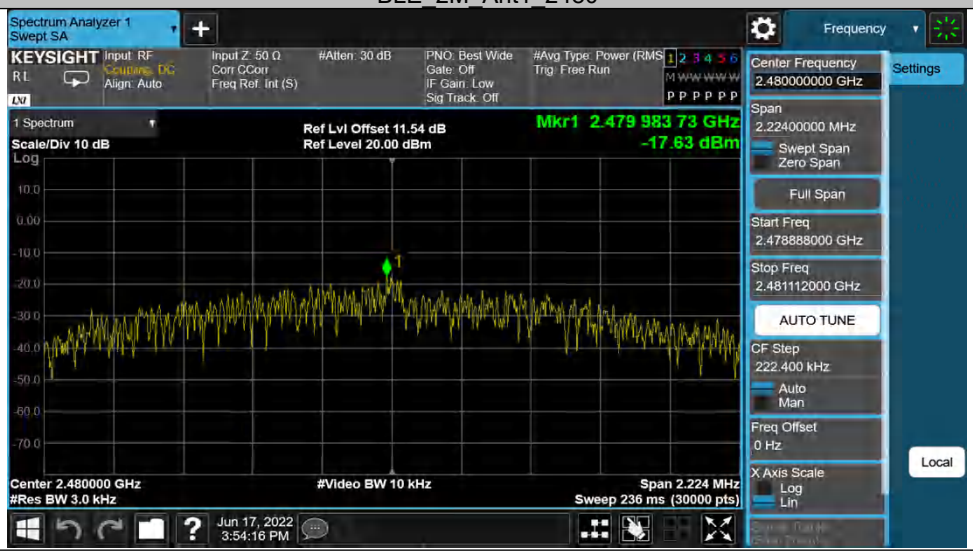
BLE_2M_Ant1_2402



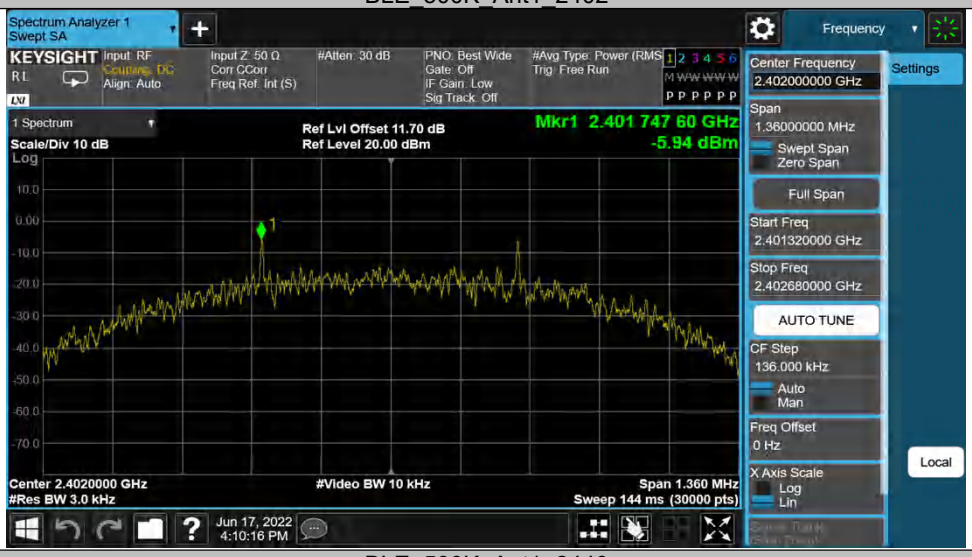
BLE_2M_Ant1_2440



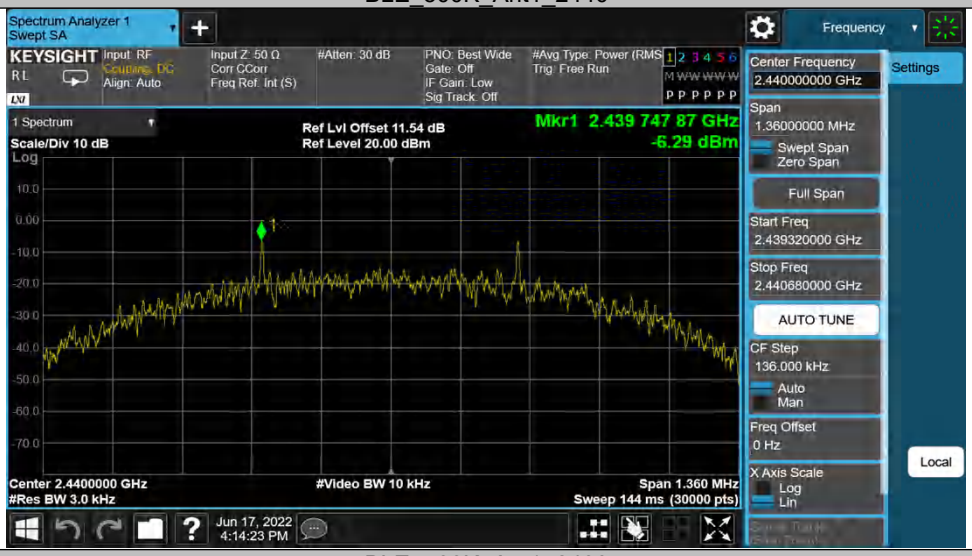
BLE_2M_Ant1_2480



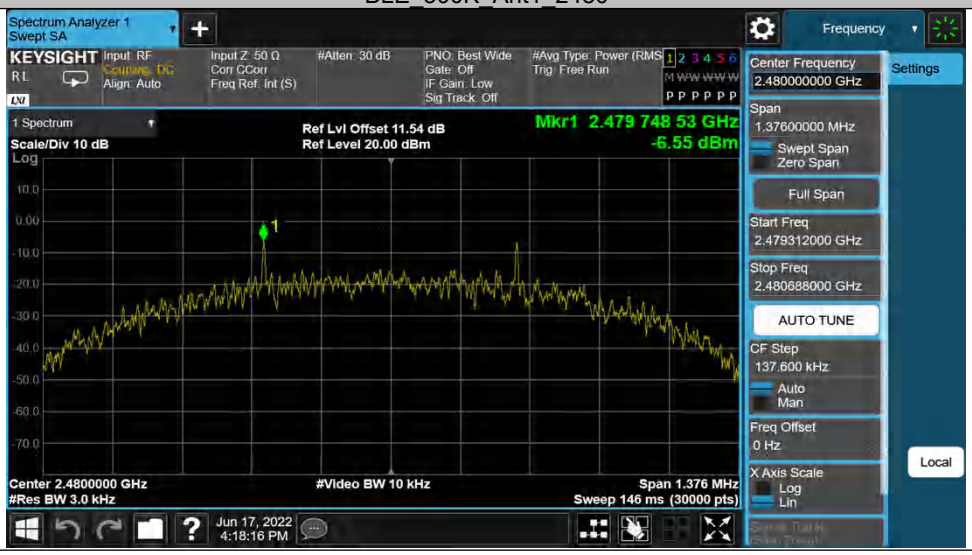
BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125Kbps	Ant1	2402	0.600	2401.700	2402.300	0.5	PASS
		2440	0.600	2439.700	2440.300	0.5	PASS
		2480	0.604	2479.696	2480.300	0.5	PASS
BLE_1Mbps	Ant1	2402	0.676	2401.660	2402.336	0.5	PASS
		2440	0.692	2439.652	2440.344	0.5	PASS
		2480	0.684	2479.656	2480.340	0.5	PASS
BLE_2Mbps	Ant1	2402	1.124	2401.448	2402.572	0.5	PASS
		2440	1.112	2439.448	2440.560	0.5	PASS
		2480	1.112	2479.448	2480.560	0.5	PASS
BLE_500Kbps	Ant1	2402	0.680	2401.668	2402.348	0.5	PASS
		2440	0.680	2439.668	2440.348	0.5	PASS
		2480	0.688	2479.668	2480.356	0.5	PASS

BLE_125K_Ant1_2402

BLE_125K_Ant1_2440

BLE_125K_Ant1_2480

BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480

BLE_500K_Ant1_2402

BLE_500K_Ant1_2440

BLE_500K_Ant1_2480

Appendix B.3: Test Results of 99% Bandwidth

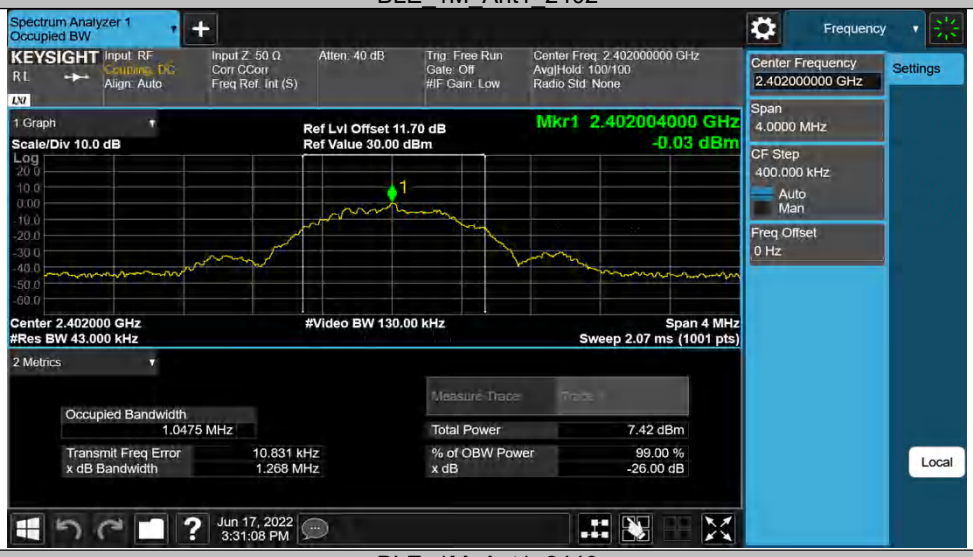
TestMode	Antenna	Channel [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125Kbps	Ant1	2402	1.0650	2401.470	2402.535	---	PASS
		2440	1.0748	2439.463	2440.537	---	PASS
		2480	1.0733	2479.463	2480.536	---	PASS
BLE_1Mbps	Ant1	2402	1.0475	2401.487	2402.535	---	PASS
		2440	1.0532	2439.486	2440.539	---	PASS
		2480	1.0556	2479.477	2480.533	---	PASS
BLE_2Mbps	Ant1	2402	2.0719	2400.973	2403.044	---	PASS
		2440	2.1012	2438.963	2441.064	---	PASS
		2480	2.0849	2478.973	2481.058	---	PASS
BLE_500Kbps	Ant1	2402	1.0335	2401.485	2402.519	---	PASS
		2440	1.0568	2439.468	2440.525	---	PASS
		2480	1.0329	2479.489	2480.522	---	PASS

BLE_125K_Ant1_2402

BLE_125K_Ant1_2440

BLE_125K_Ant1_2480

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

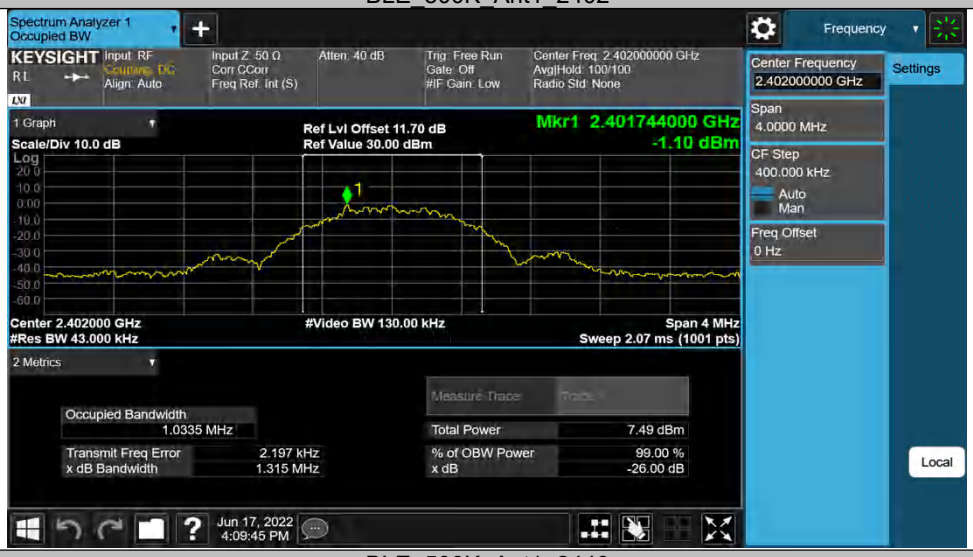
BLE_1M_Ant1_2480

BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480

BLE_500K_Ant1_2402



BLE_500K_Ant1_2440

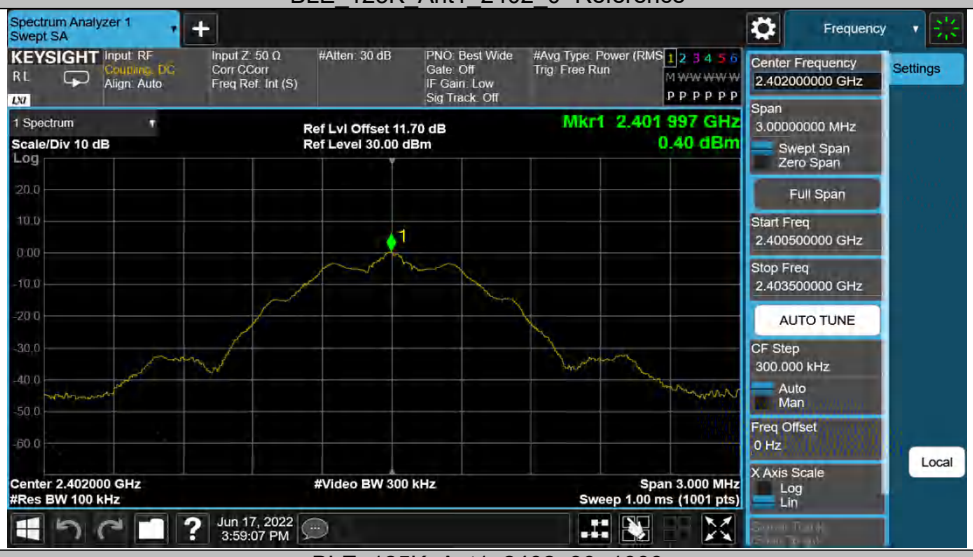
BLE_500K_Ant1_2480

Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

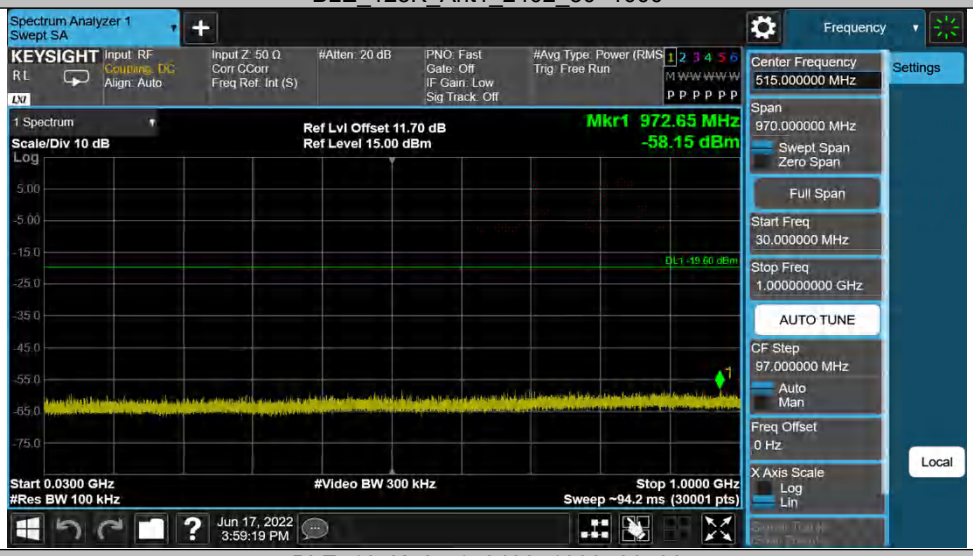
Conducted Spurious Emission

TestMode	Antenna	Channel [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_125Kbps	Ant1	2402	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-58.15	≤-19.6	PASS
			1000~26500	0.40	-46.64	≤-19.6	PASS
		2440	Reference	-0.06	-0.06	---	PASS
			30~1000	-0.06	-58.39	≤-20.06	PASS
			1000~26500	-0.06	-49.42	≤-20.06	PASS
		2480	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-58.24	≤-20.91	PASS
			1000~26500	-0.91	-48.94	≤-20.91	PASS
BLE_1Mbps	Ant1	2402	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-57.92	≤-19.45	PASS
			1000~26500	0.55	-45.64	≤-19.45	PASS
		2440	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-58.55	≤-19.89	PASS
			1000~26500	0.11	-46.61	≤-19.89	PASS
		2480	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-58.25	≤-20.29	PASS
			1000~26500	-0.29	-49.34	≤-20.29	PASS
BLE_2Mbps	Ant1	2402	Reference	0.44	0.44	---	PASS
			30~1000	0.44	-57.6	≤-19.56	PASS
			1000~26500	0.44	-45.74	≤-19.56	PASS
		2440	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-58.05	≤-19.97	PASS
			1000~26500	0.03	-46.51	≤-19.97	PASS
		2480	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-58.62	≤-20.34	PASS
			1000~26500	-0.34	-49.28	≤-20.34	PASS
BLE_500Kbps	Ant1	2402	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-58.19	≤-19.62	PASS
			1000~26500	0.38	-47.86	≤-19.62	PASS
		2440	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-58.54	≤-20.03	PASS
			1000~26500	-0.03	-48.5	≤-20.03	PASS
		2480	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-58.46	≤-20.33	PASS
			1000~26500	-0.33	-49.32	≤-20.33	PASS

BLE_125K_Ant1_2402_0~Reference

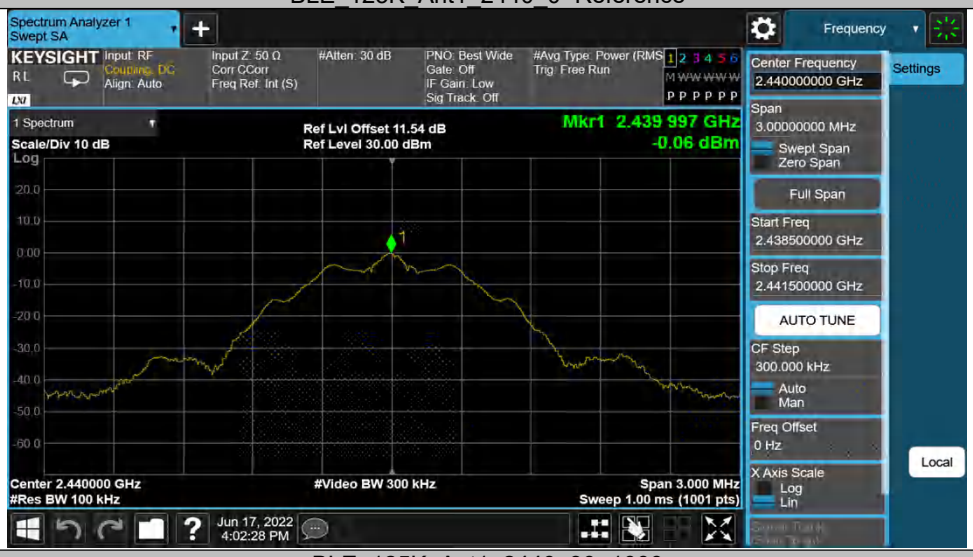


BLE_125K_Ant1_2402_30~1000

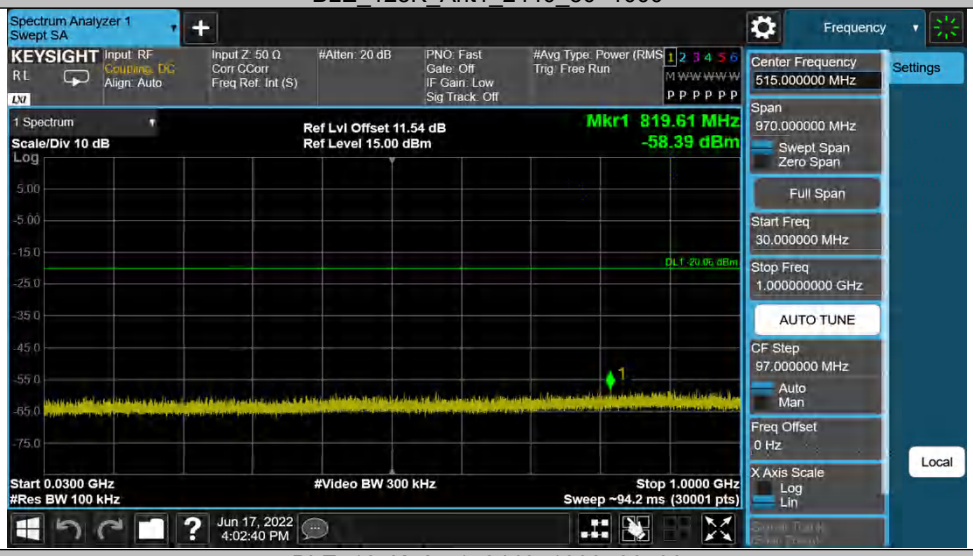


BLE_125K_Ant1_2402_1000~26500

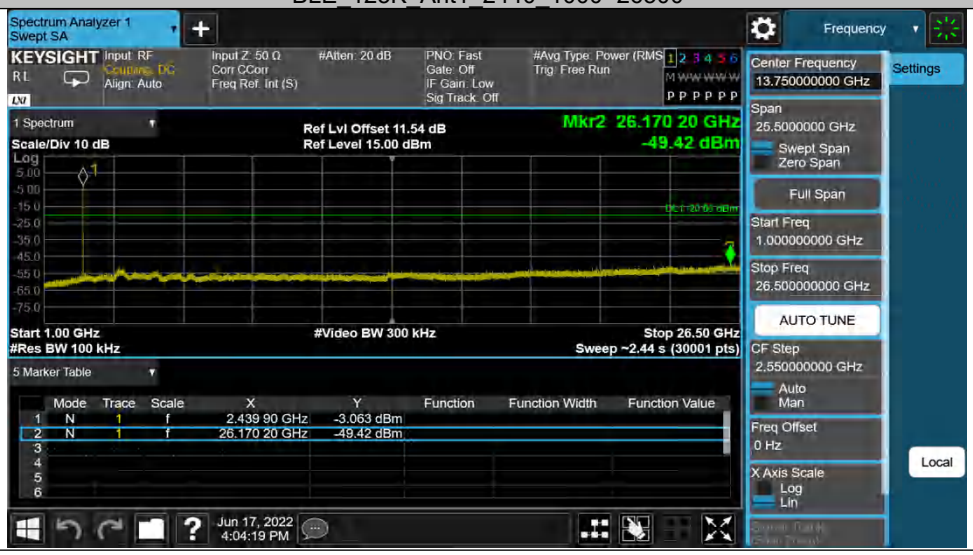
BLE_125K_Ant1_2440_0~Reference



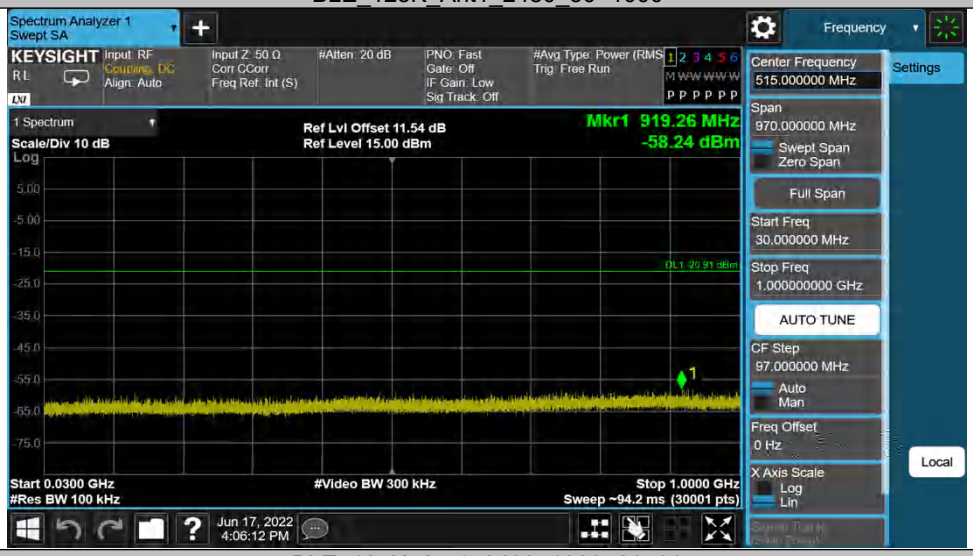
BLE_125K_Ant1_2440_30~1000

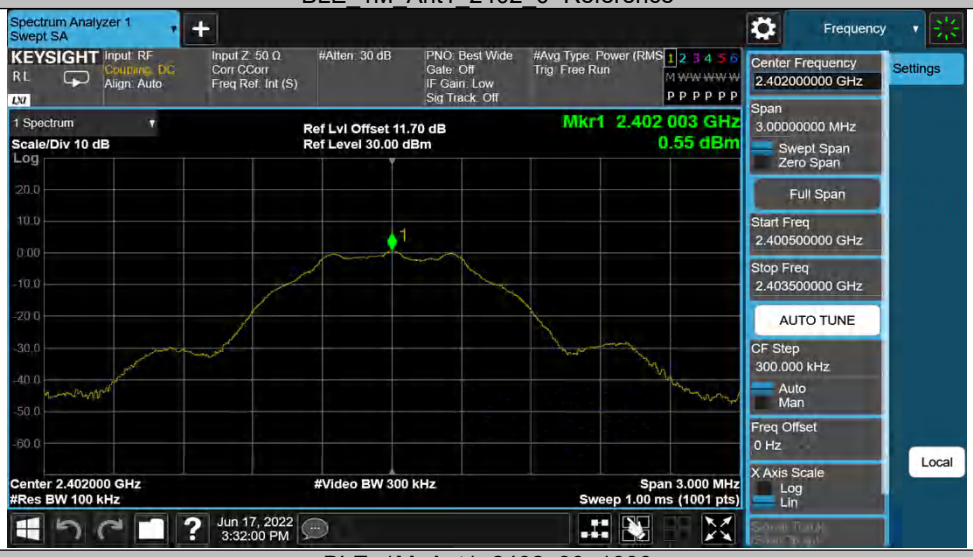
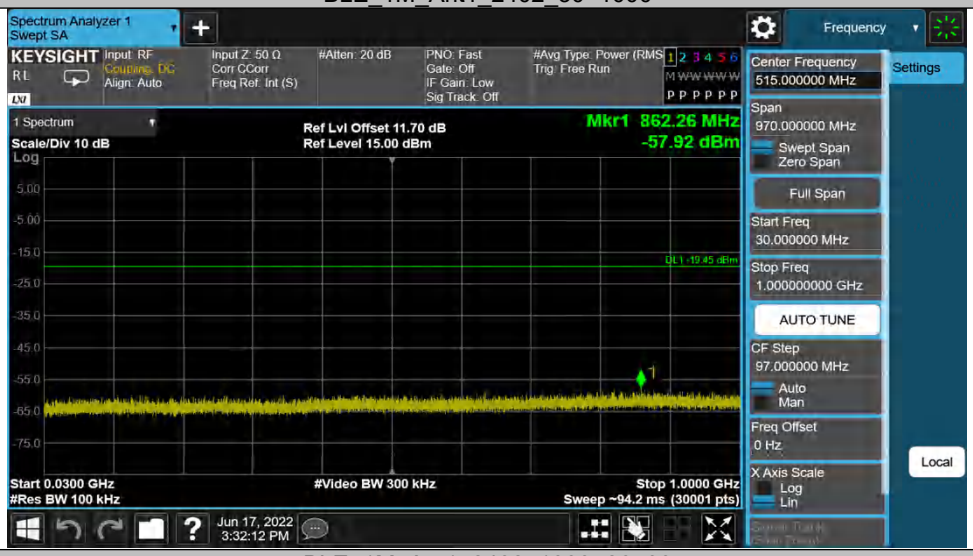


BLE_125K_Ant1_2440_1000~26500

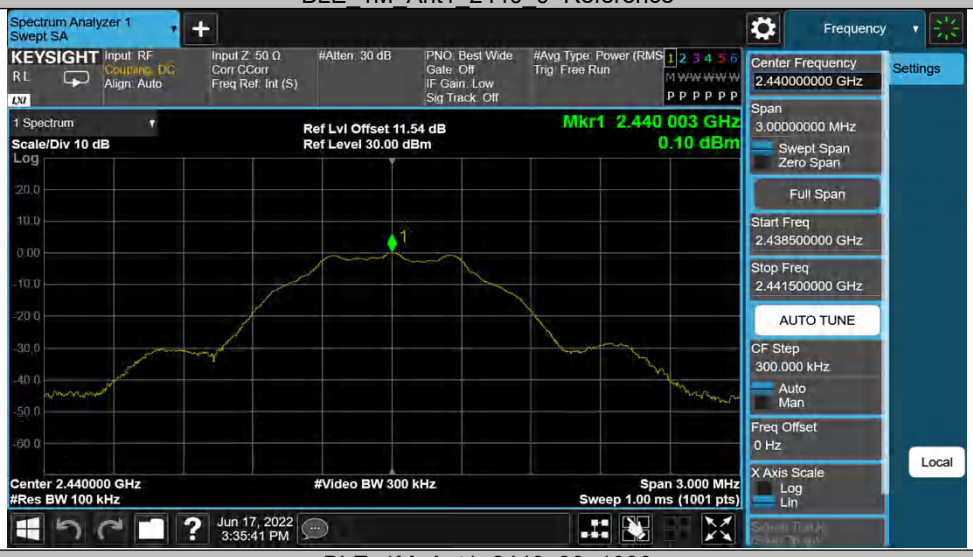


BLE_125K_Ant1_2480_0~Reference

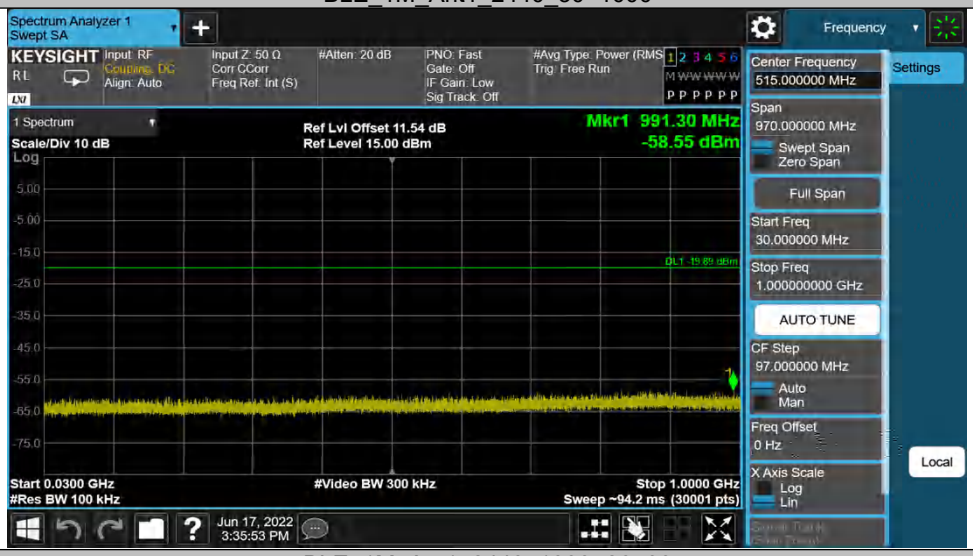
BLE_125K_Ant1_2480_30~1000

BLE_125K_Ant1_2480_1000~26500


BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

BLE_1M_Ant1_2402_1000~26500


BLE_1M_Ant1_2440_0~Reference

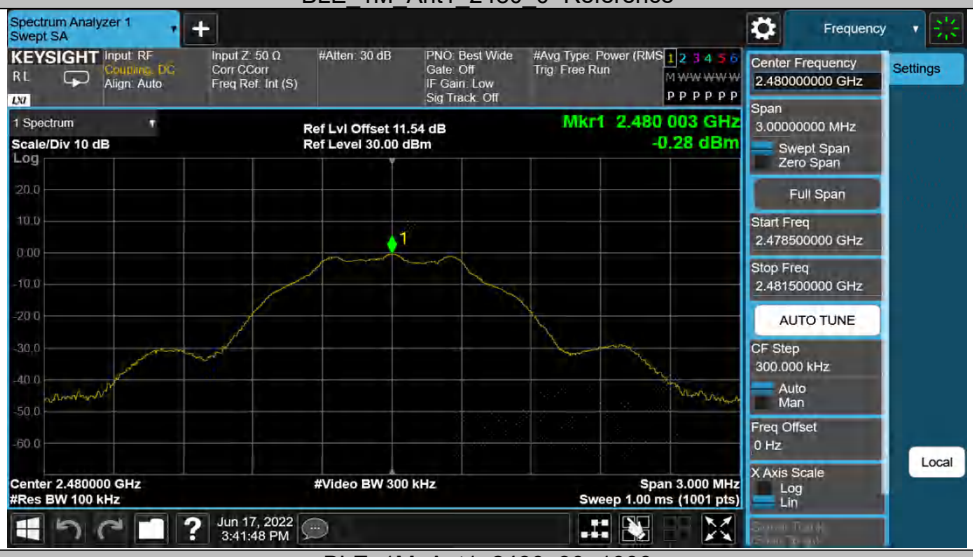


BLE_1M_Ant1_2440_30~1000

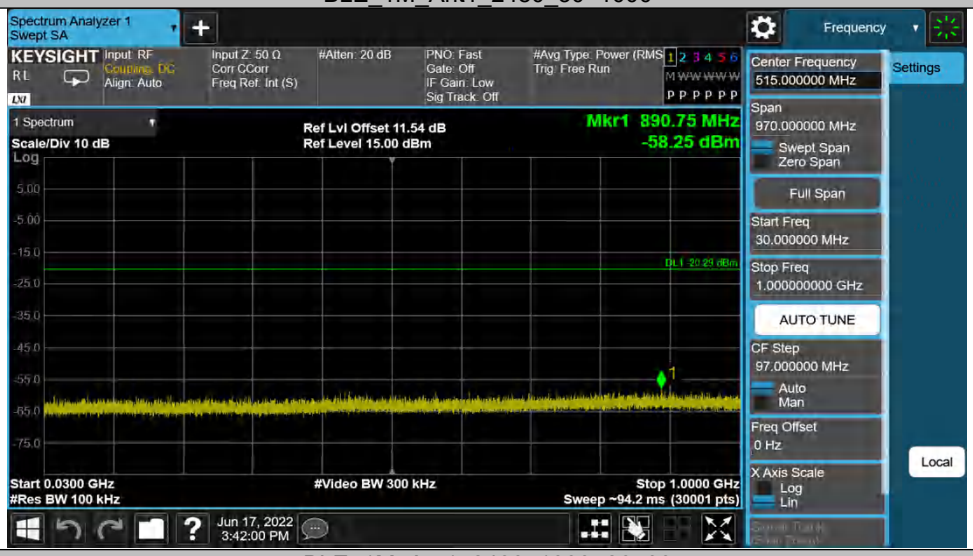


BLE_1M_Ant1_2440_1000~26500

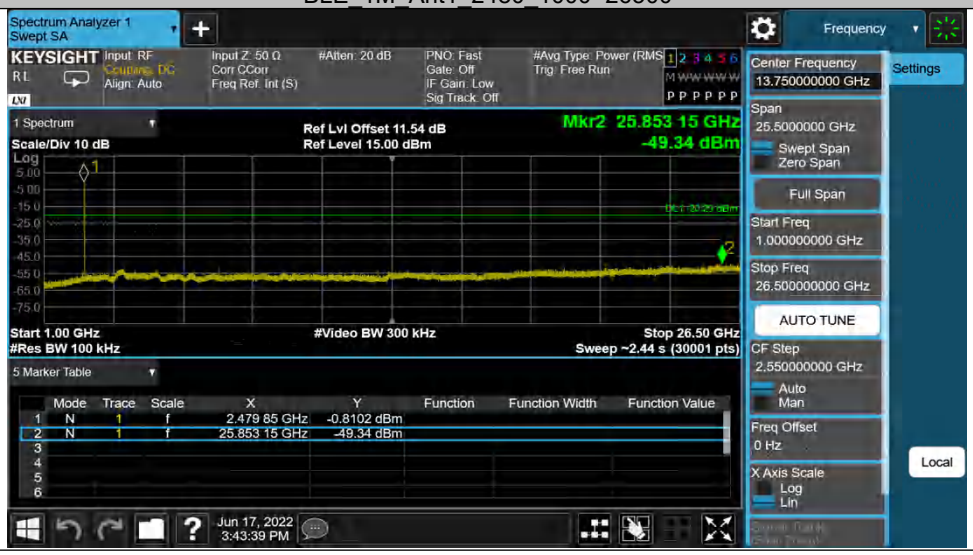
BLE_1M_Ant1_2480_0~Reference



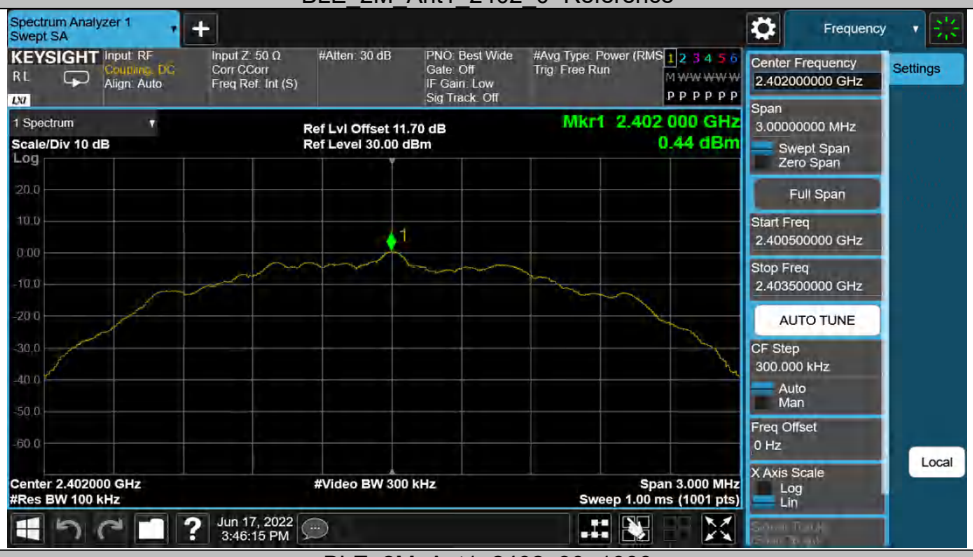
BLE_1M_Ant1_2480_30~1000



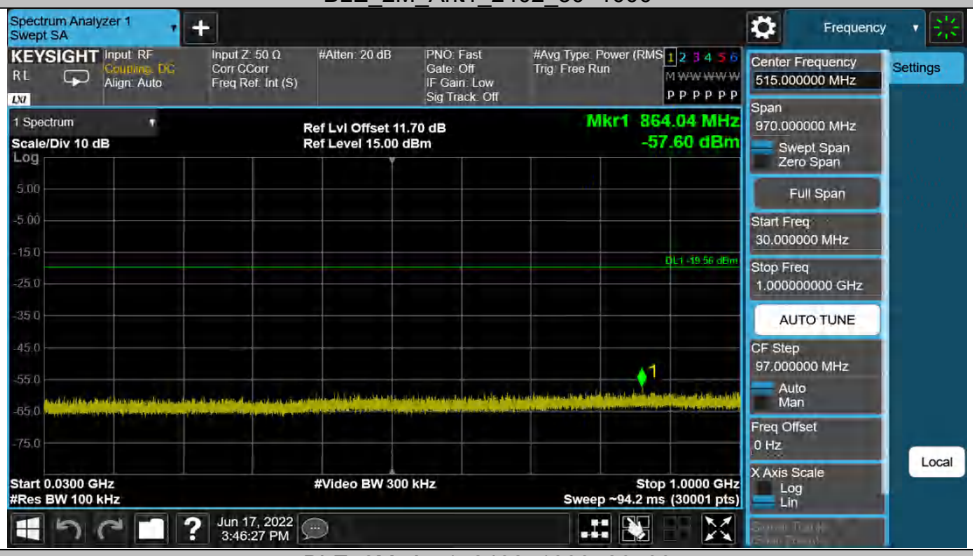
BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2402_0~Reference



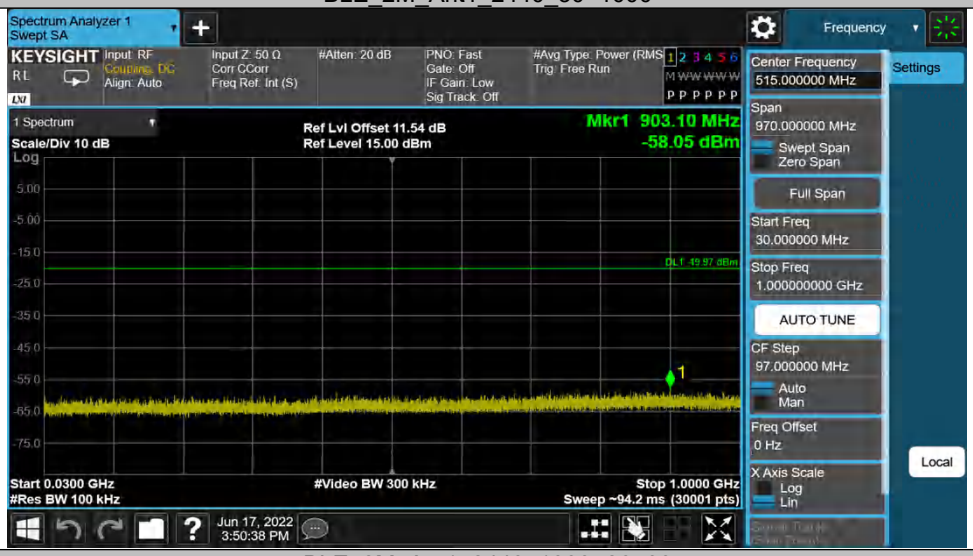
BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500

BLE_2M_Ant1_2440_0~Reference

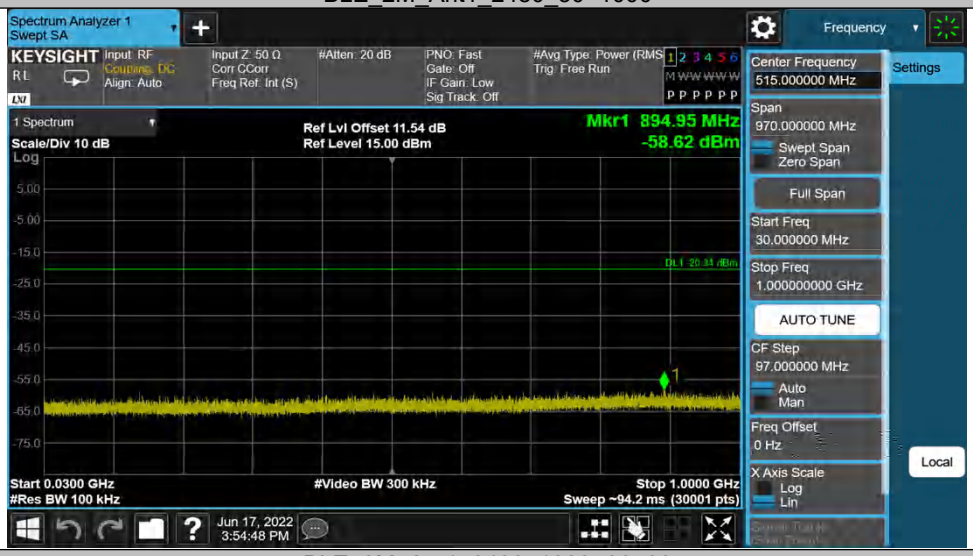
BLE_2M_Ant1_2440_30~1000



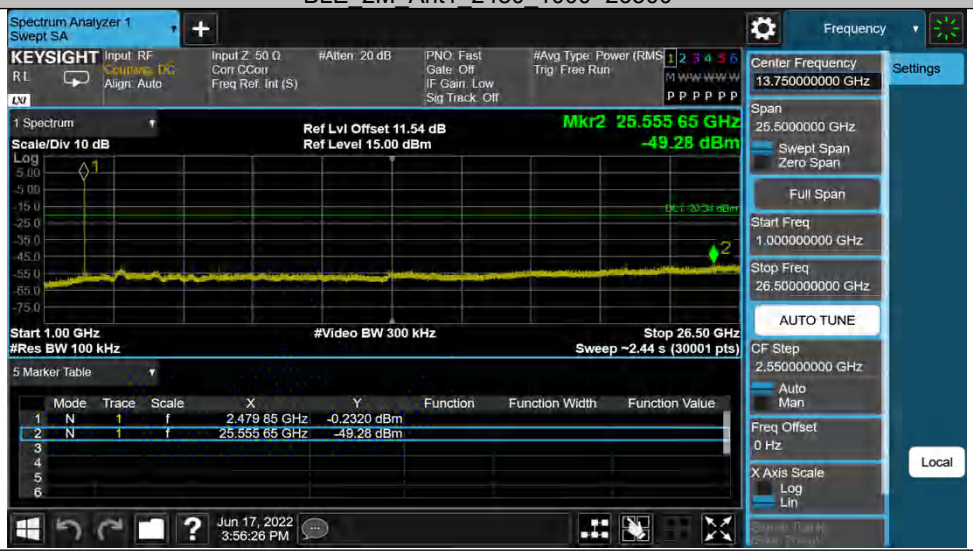
BLE_2M_Ant1_2440_1000~26500

BLE_2M_Ant1_2480_0~Reference

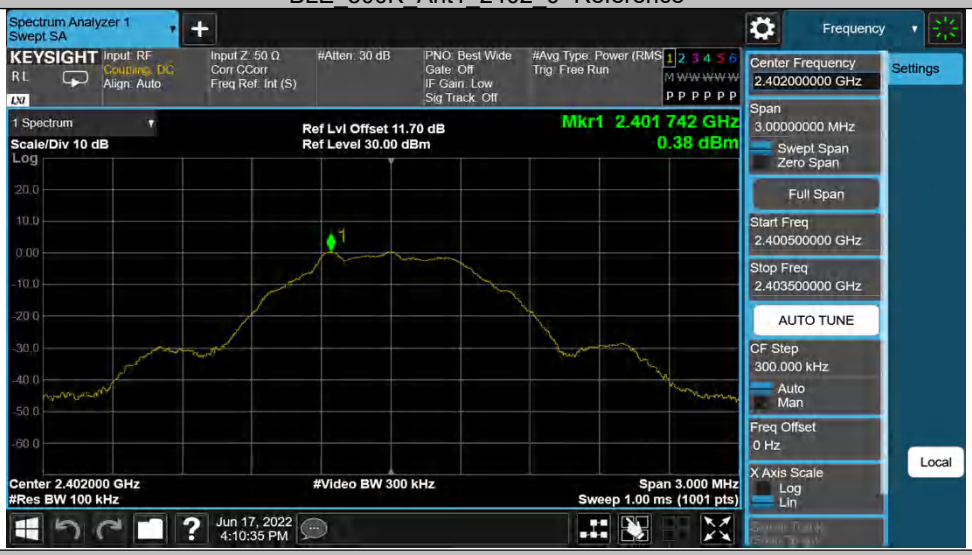
BLE_2M_Ant1_2480_30~1000



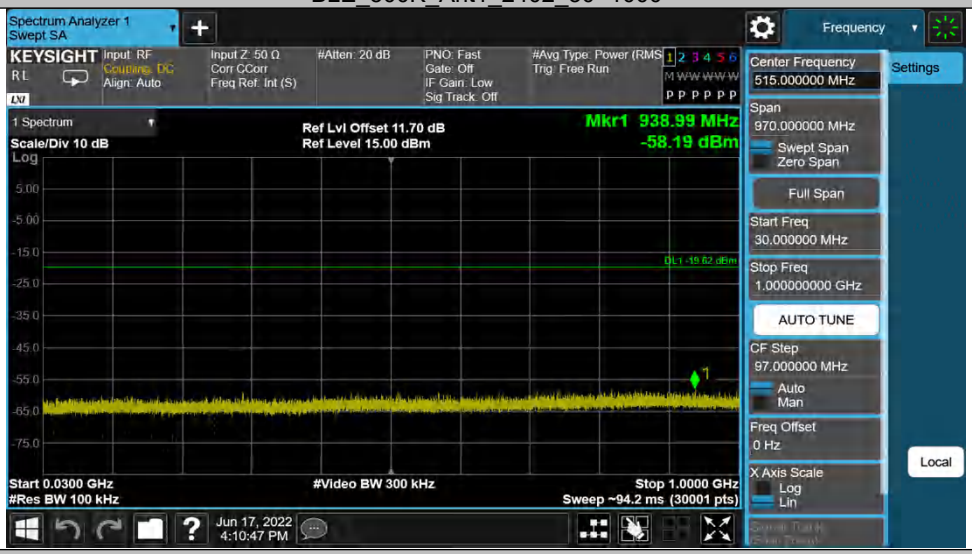
BLE_2M_Ant1_2480_1000~26500



BLE_500K_Ant1_2402_0~Reference



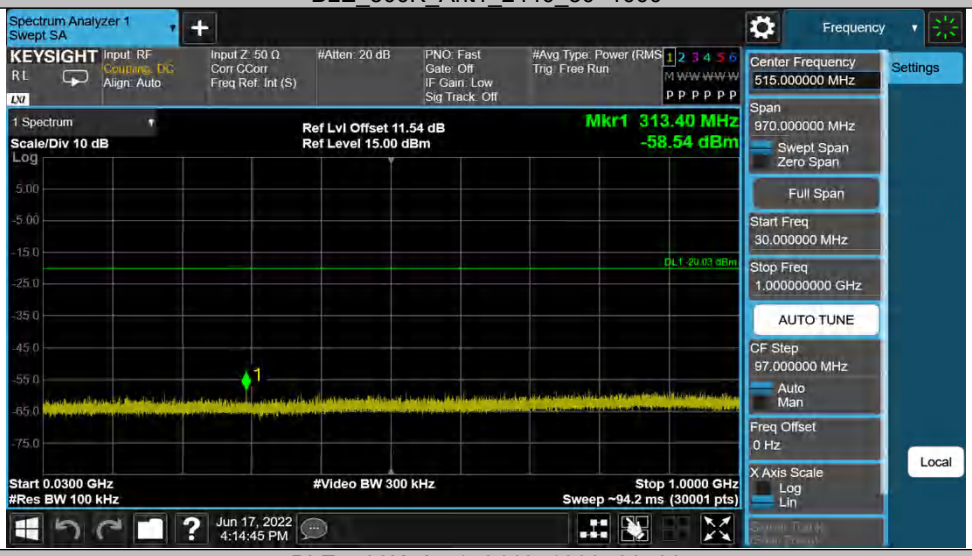
BLE_500K_Ant1_2402_30~1000



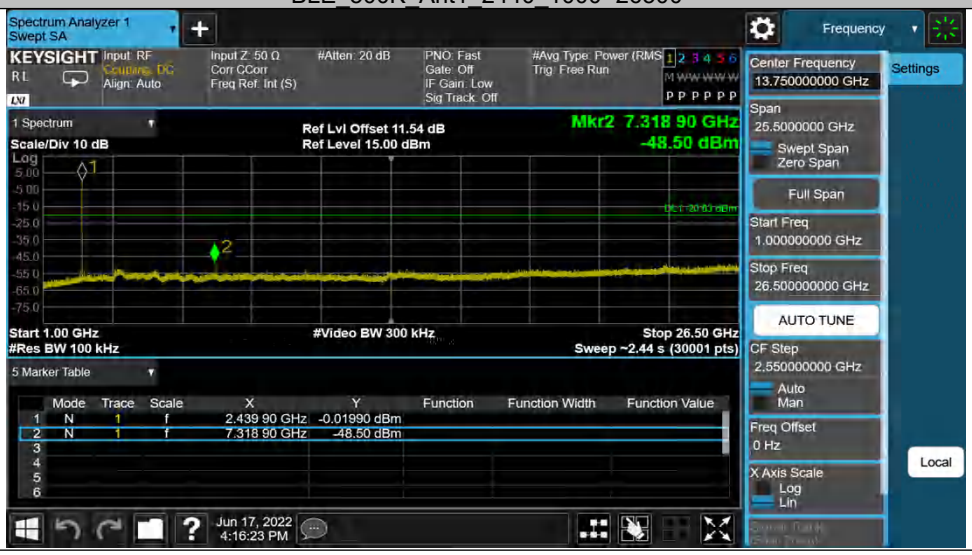
BLE_500K_Ant1_2402_1000~26500

BLE_500K_Ant1_2440_0~Reference

BLE_500K_Ant1_2440_30~1000

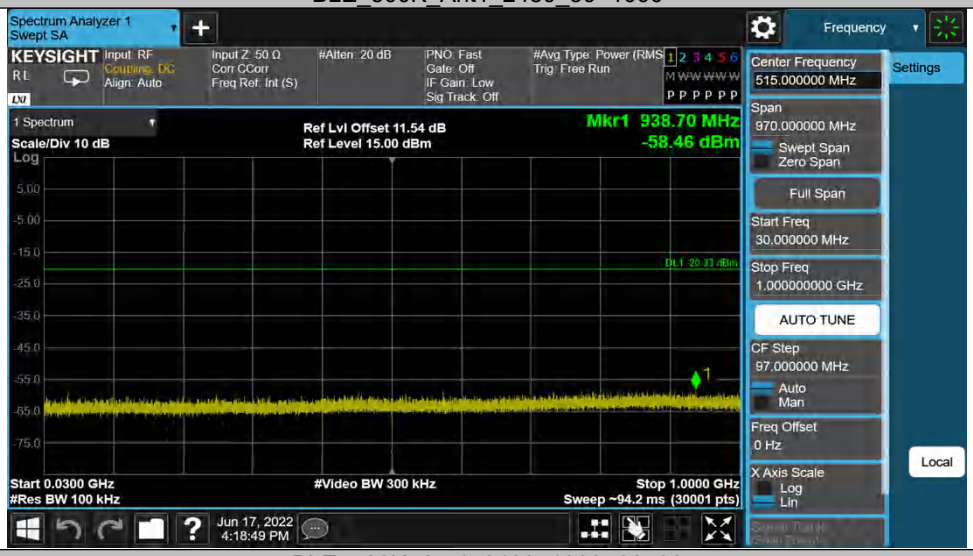


BLE_500K_Ant1_2440_1000~26500

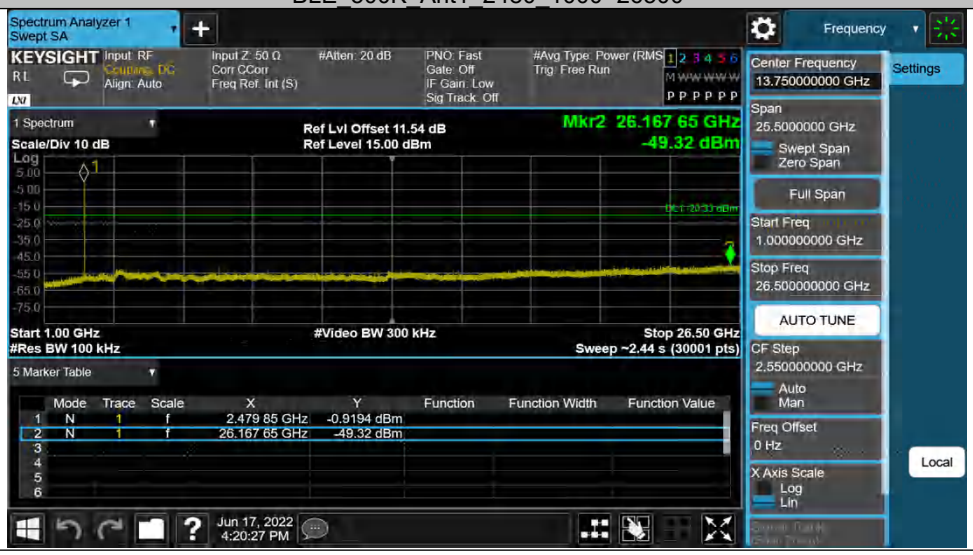


BLE_500K_Ant1_2480_0~Reference

BLE_500K_Ant1_2480_30~1000



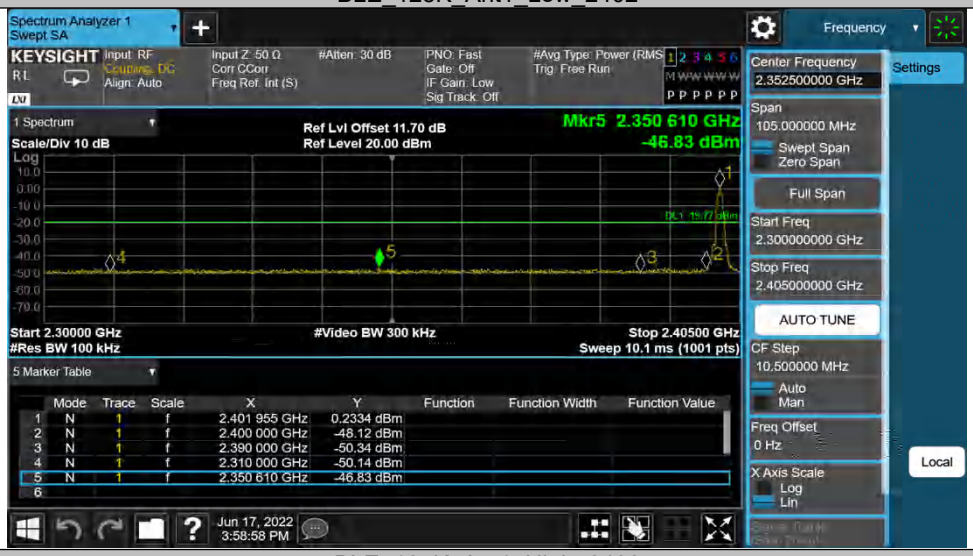
BLE_500K_Ant1_2480_1000~26500



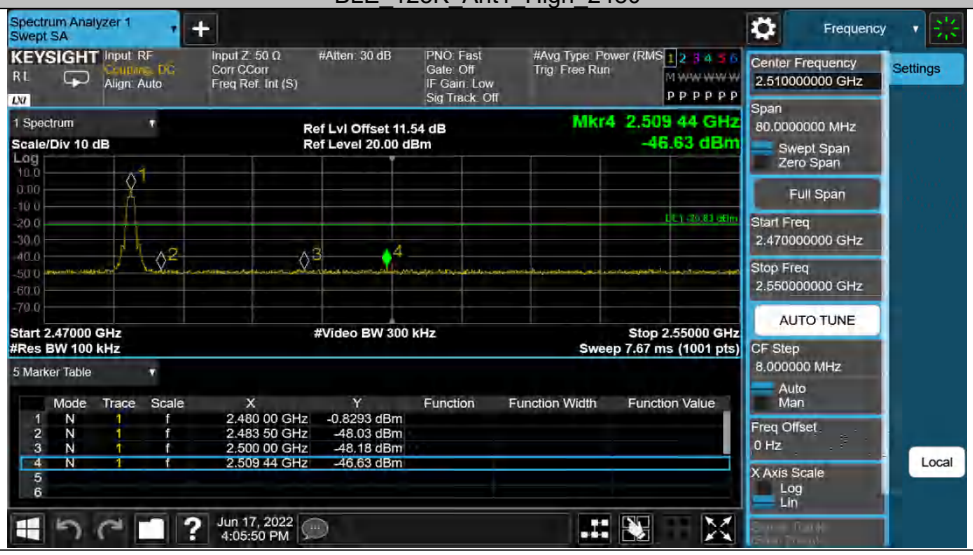
Band Edge

TestMode	Antenna	ChName	Channel [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_125Kbps	Ant1	Low	2402	0.23	-46.83	≤-19.77	PASS
		High	2480	-0.83	-46.64	≤-20.83	PASS
BLE_1Mbps	Ant1	Low	2402	0.63	-46.27	≤-19.37	PASS
		High	2480	-0.15	-46.67	≤-20.15	PASS
BLE_2Mbps	Ant1	Low	2402	0.52	-32.6	≤-19.48	PASS
		High	2480	-0.24	-46.61	≤-20.24	PASS
BLE_500Kbps	Ant1	Low	2402	0.40	-46.08	≤-19.6	PASS
		High	2480	-0.42	-46.62	≤-20.42	PASS

BLE_125K_Ant1_Low_2402

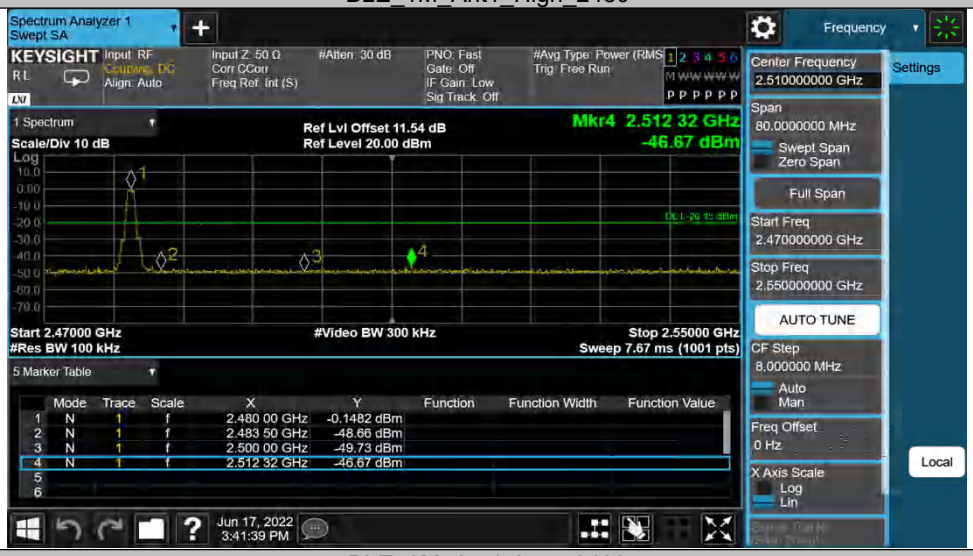


BLE_125K_Ant1_High_2480

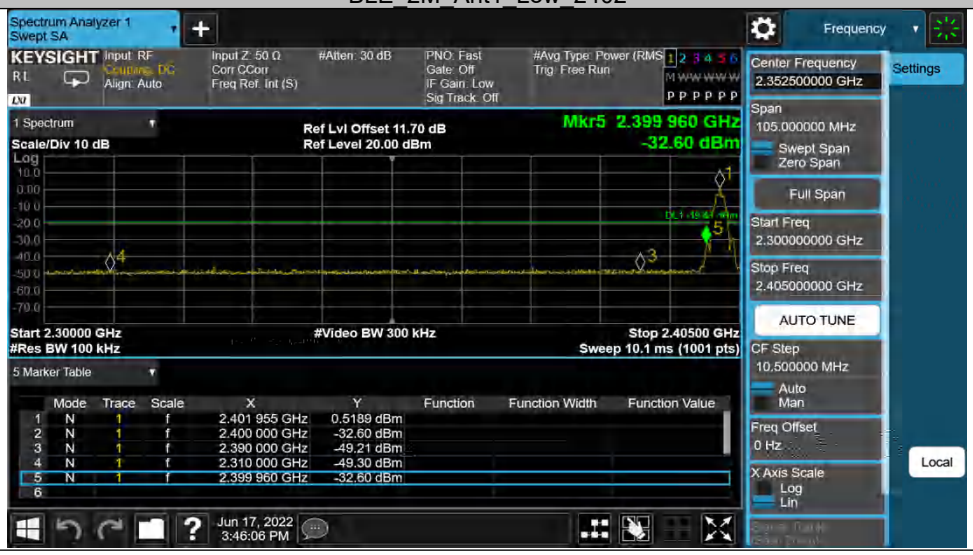


BLE_1M_Ant1_Low_2402

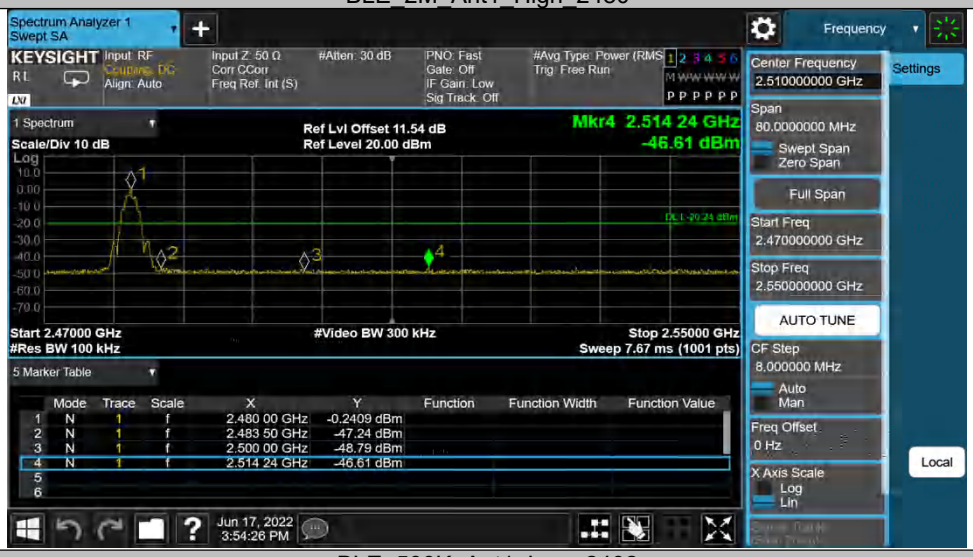
BLE_1M_Ant1_High_2480



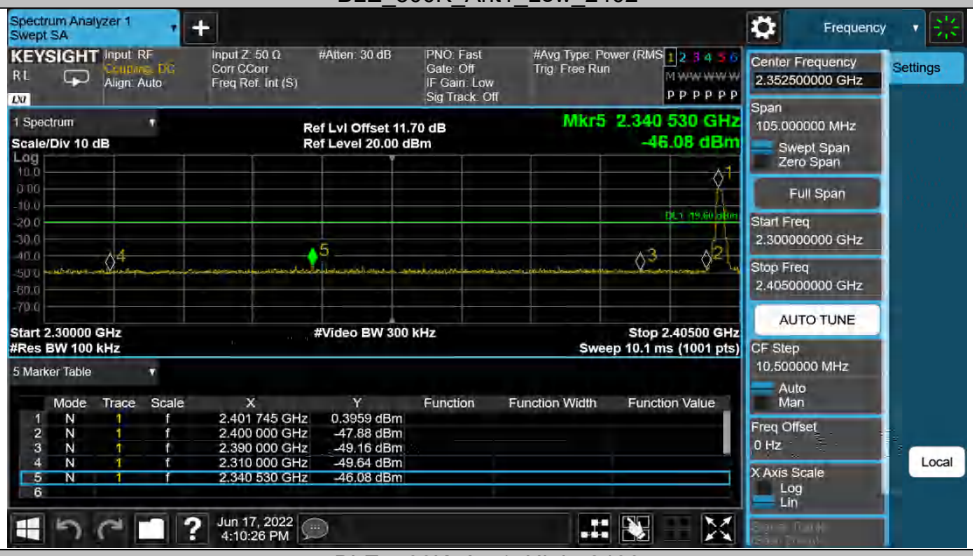
BLE_2M_Ant1_Low_2402



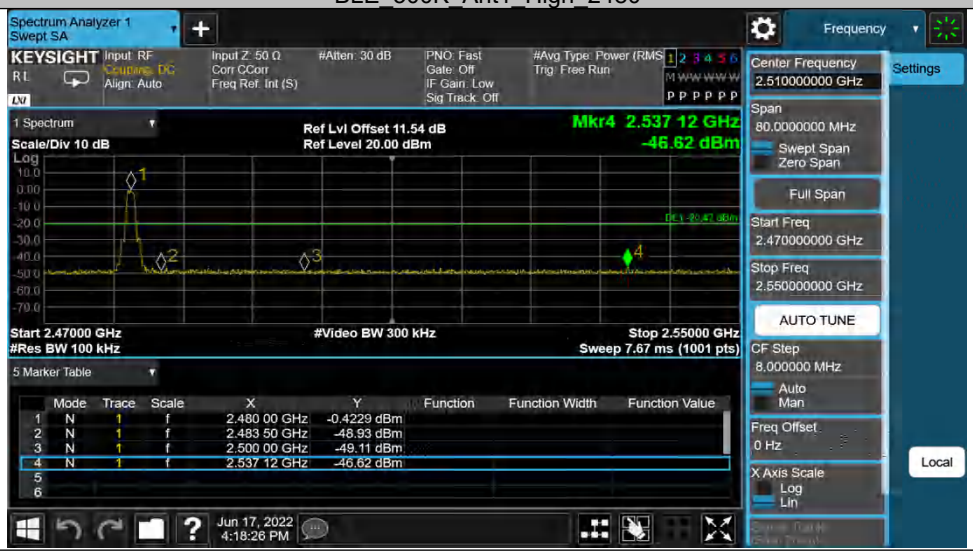
BLE_2M_Ant1_High_2480



BLE_500K_Ant1_Low_2402



BLE_500K_Ant1_High_2480



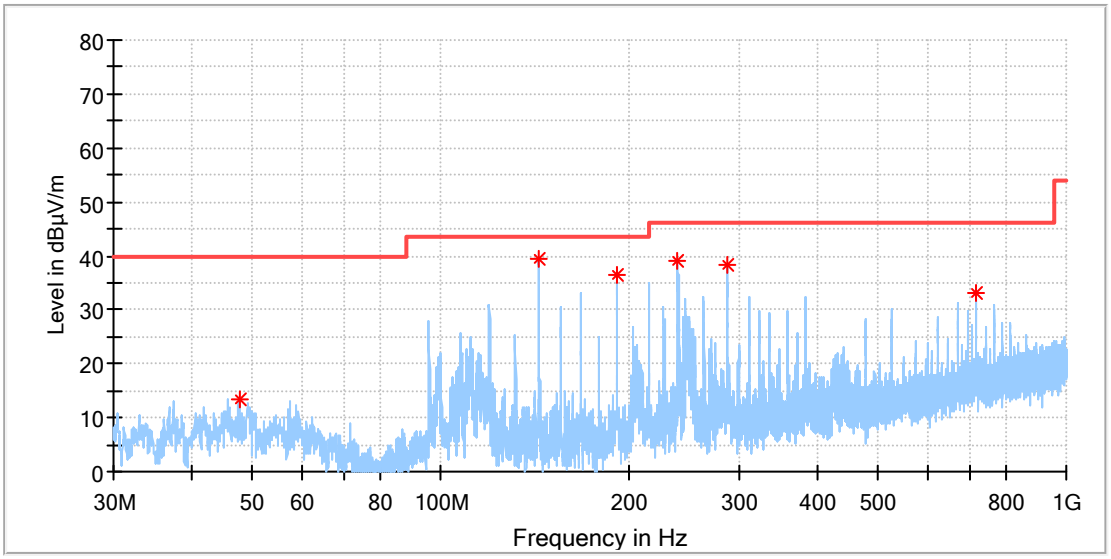
Appendix B.5: Test Results of Radiated Spurious Emissions

Note:
1) This testing was carried out on different modulations, but only the worst case was presented in this report.
2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz to 1GHz

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

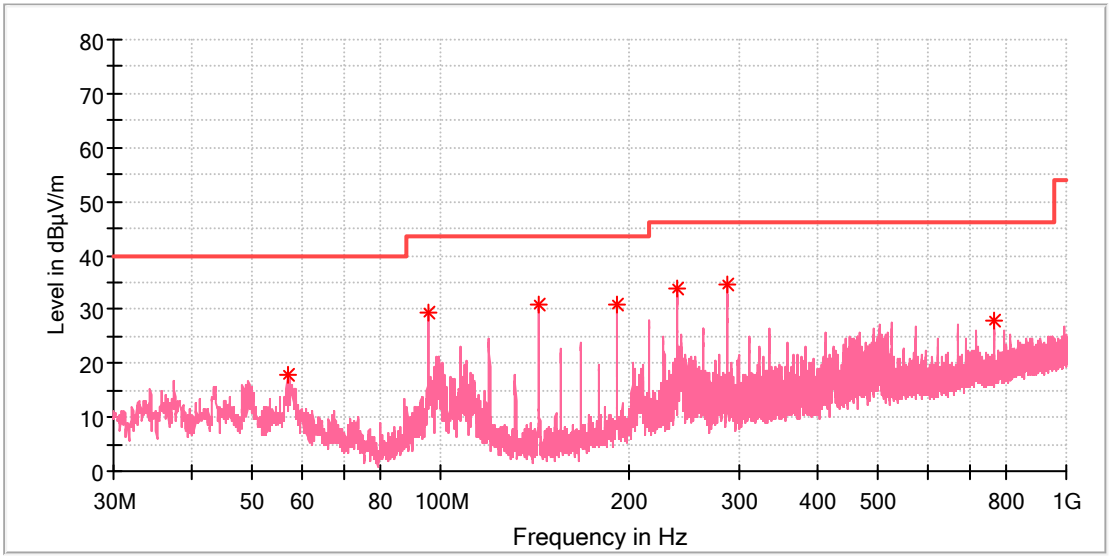


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.609231	13.43	40.00	26.57	100.0	H	0.0	-18.7
143.676539	39.61	43.50	3.89	100.0	H	301.0	-22.6
191.542308	36.47	43.50	7.03	100.0	H	301.0	-19.8
239.370769	39.14	46.00	6.86	100.0	H	352.0	-18.0
287.273846	38.37	46.00	7.63	100.0	H	0.0	-16.9
718.028462	33.10	46.00	12.90	100.0	H	307.0	-8.1

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



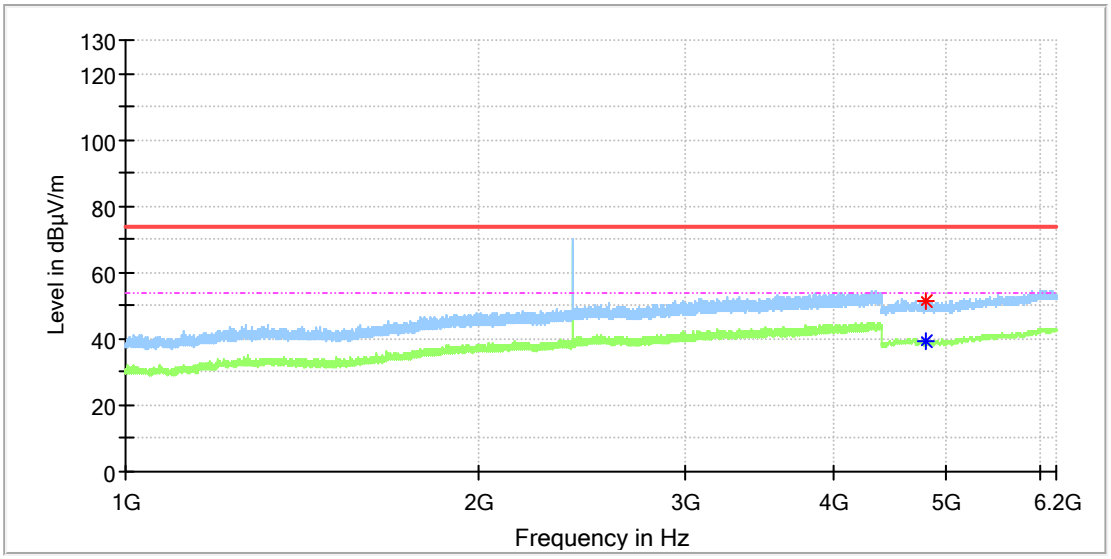
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.861539	17.87	40.00	22.13	100.0	V	165.0	-18.9
95.698846	29.39	43.50	14.11	100.0	V	199.0	-20.0
143.564615	30.79	43.50	12.71	100.0	V	0.0	-22.6
191.542308	31.04	43.50	12.46	100.0	V	346.0	-19.8
239.482692	34.01	46.00	11.99	100.0	V	285.0	-18.0
287.236539	34.42	46.00	11.58	100.0	V	158.0	-16.9
765.968846	27.79	46.00	18.21	100.0	V	276.0	-7.3

1GHz-18GHz
Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

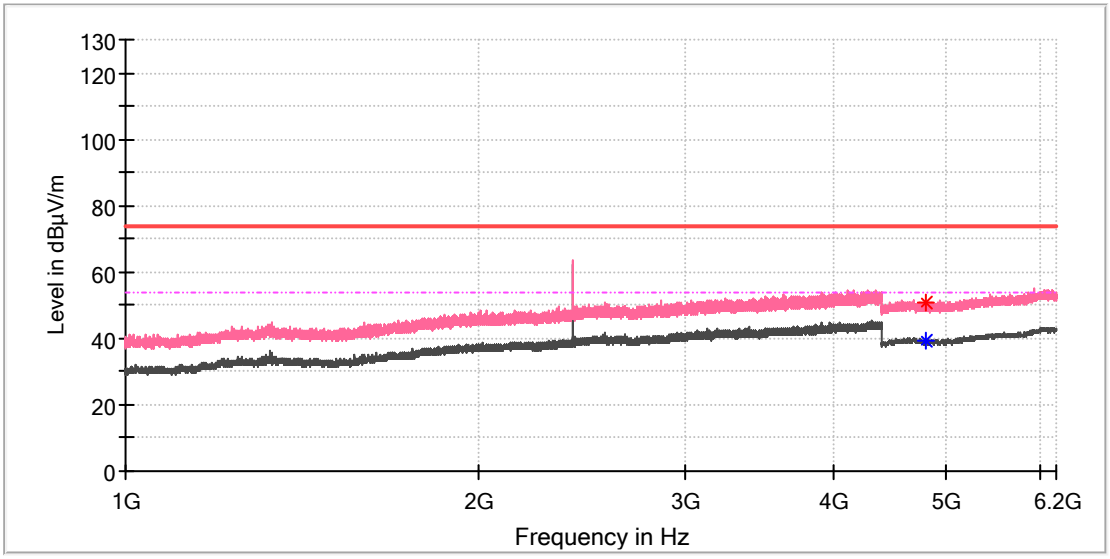


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	51.18	---	74.00	22.82	100.0	H	282.0	11.8
4805.000000	---	39.37	54.00	14.63	100.0	H	267.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

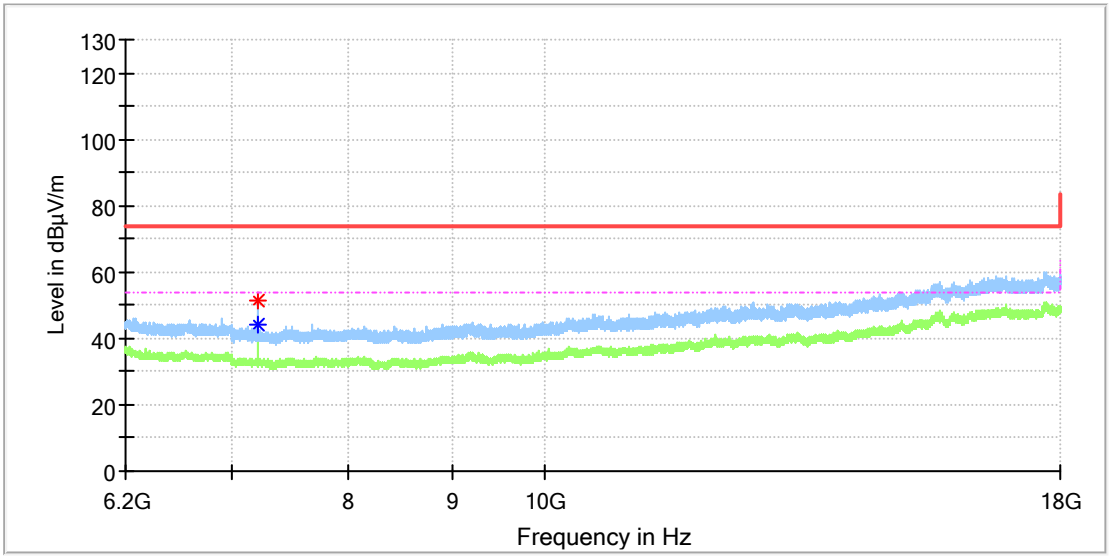


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4810.000000	---	39.36	54.00	14.64	100.0	V	256.0	11.8
4811.000000	50.81	---	74.00	23.19	100.0	V	163.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

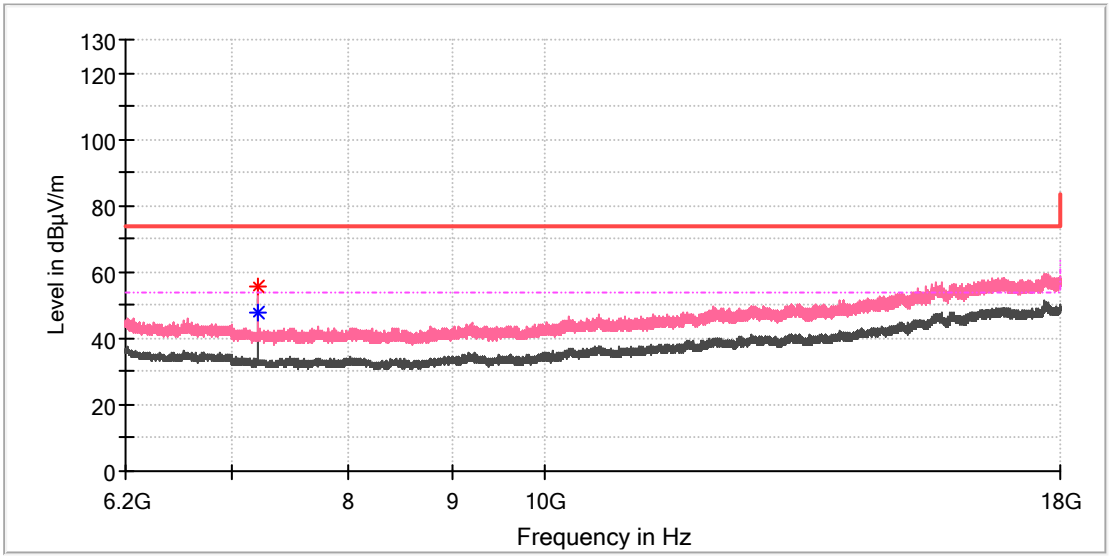


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.475000	---	44.10	54.00	9.90	100.0	H	48.0	8.8
7206.933333	51.55	---	74.00	22.45	100.0	H	24.0	8.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

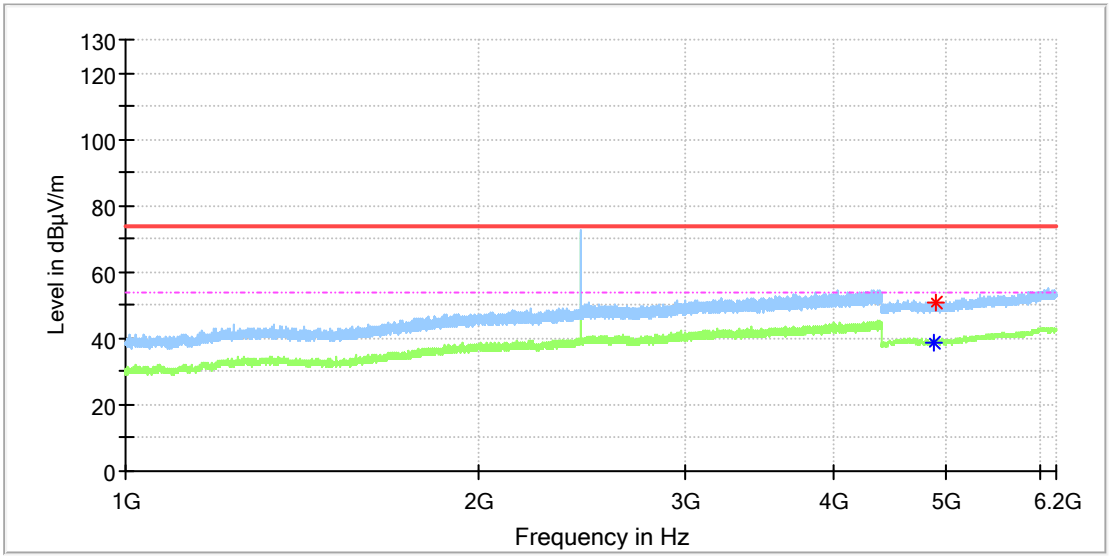


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.475000	---	47.87	54.00	6.13	100.0	V	142.0	8.8
7204.966667	55.79	---	74.00	18.21	100.0	V	359.0	8.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

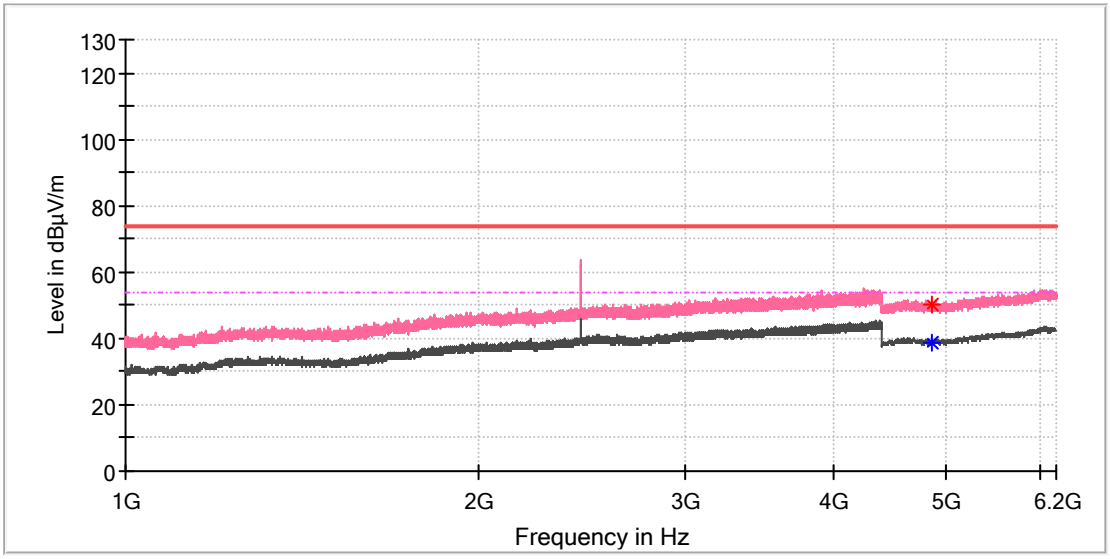


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	38.99	54.00	15.01	100.0	H	355.0	11.8
4899.500000	50.60	---	74.00	23.40	100.0	H	246.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

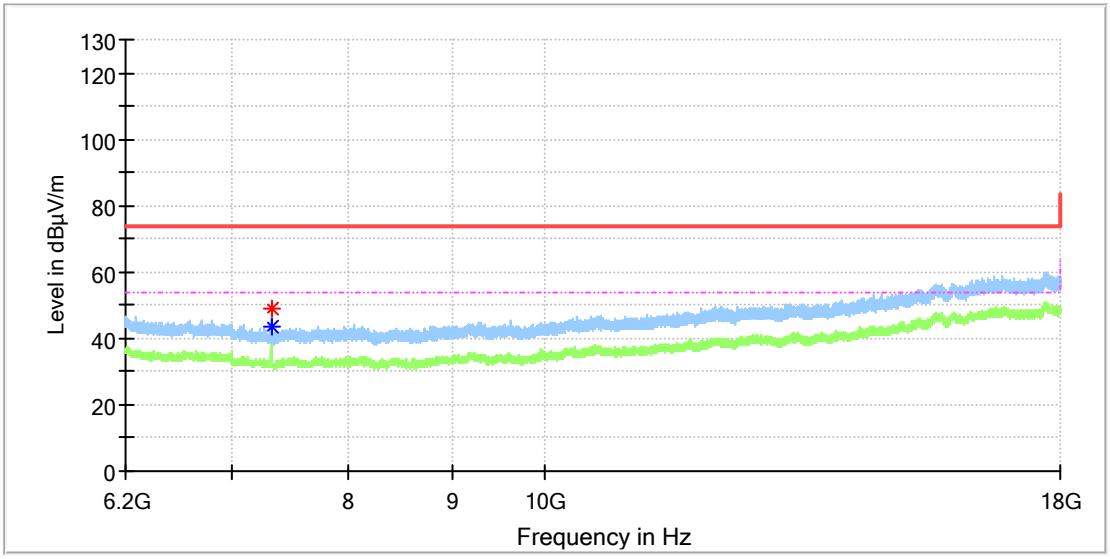


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4857.500000	50.18	---	74.00	23.82	100.0	V	320.0	11.8
4867.000000	---	38.93	54.00	15.07	100.0	V	342.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

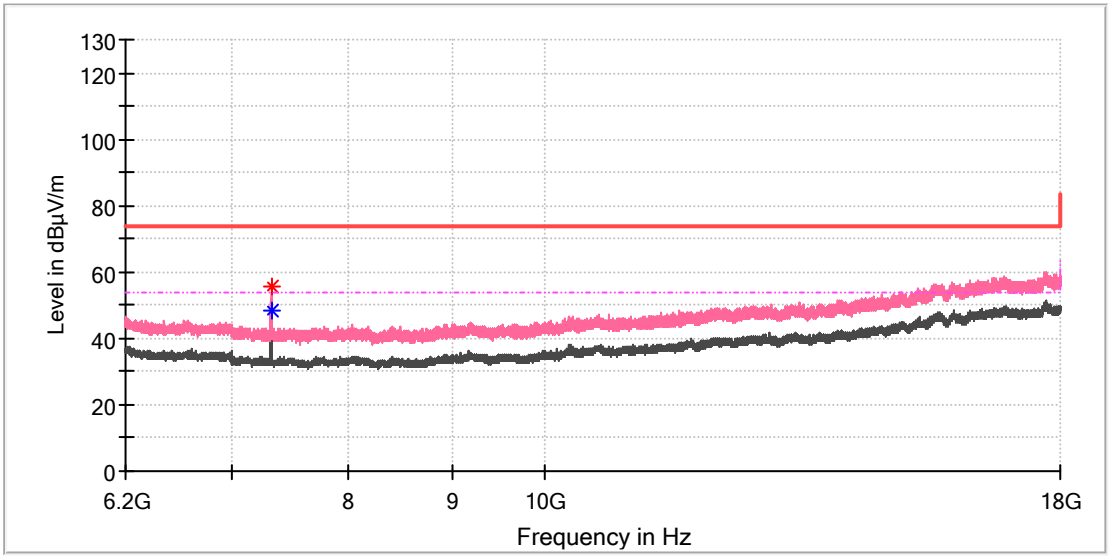


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.508333	49.25	---	74.00	24.75	100.0	H	30.0	8.2
7320.508333	---	43.46	54.00	10.54	100.0	H	30.0	8.2

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

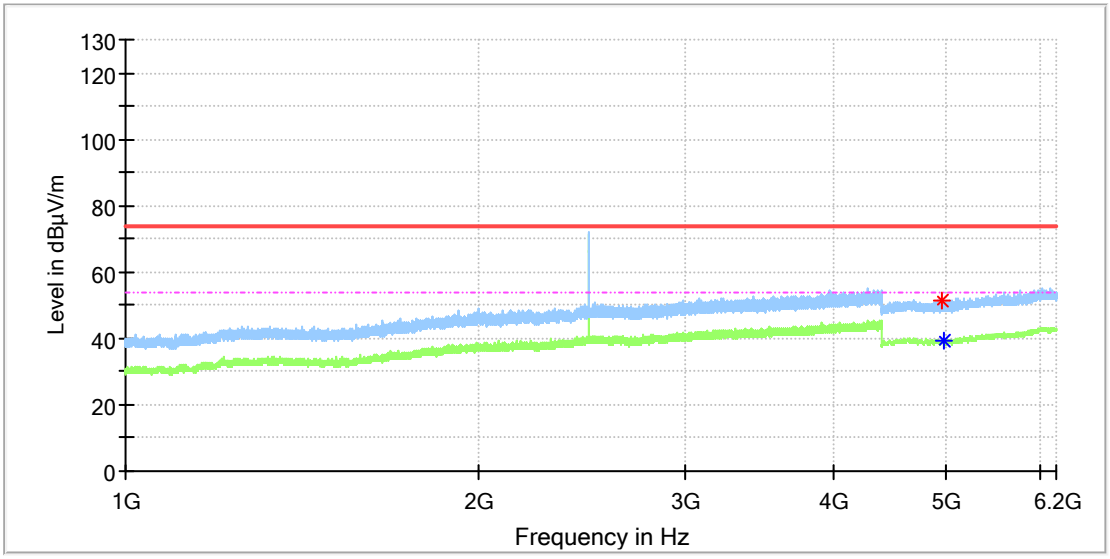


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.541667	---	48.64	54.00	5.36	100.0	V	23.0	8.2
7320.508333	55.81	---	74.00	18.19	100.0	V	10.0	8.2

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

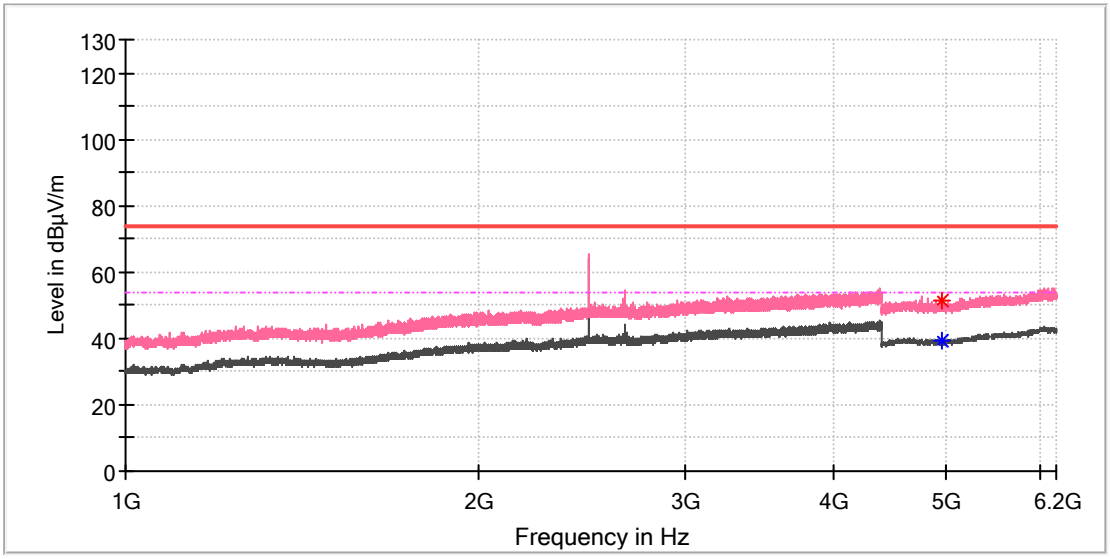


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4951.500000	51.52	---	74.00	22.48	100.0	H	300.0	11.8
4975.000000	---	39.52	54.00	14.48	100.0	H	278.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

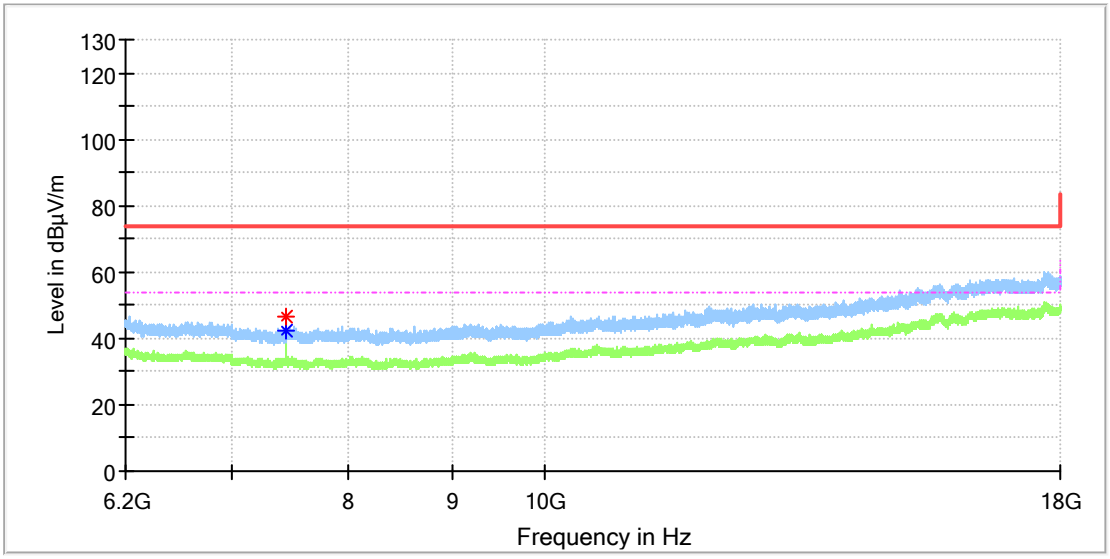


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4952.000000	---	39.59	54.00	14.41	100.0	V	143.0	11.8
4957.500000	51.31	---	74.00	22.69	100.0	V	90.0	11.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

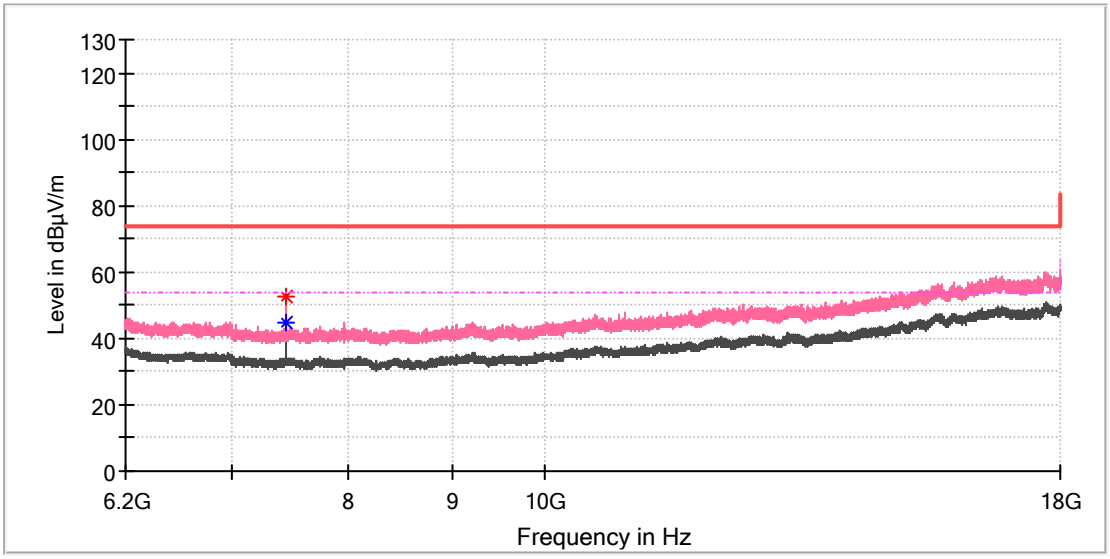


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	46.65	---	74.00	27.35	100.0	H	47.0	8.4
7439.983333	---	42.30	54.00	11.70	100.0	H	251.0	8.4

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



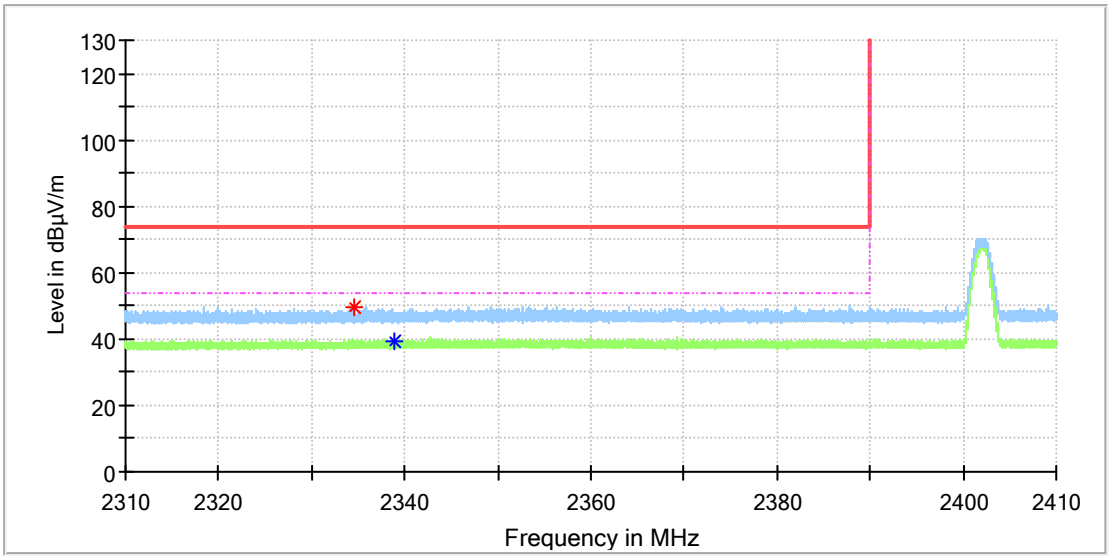
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7438.508333	---	44.65	54.00	9.35	100.0	V	136.0	8.4
7439.000000	52.40	---	74.00	21.60	100.0	V	27.0	8.4

Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

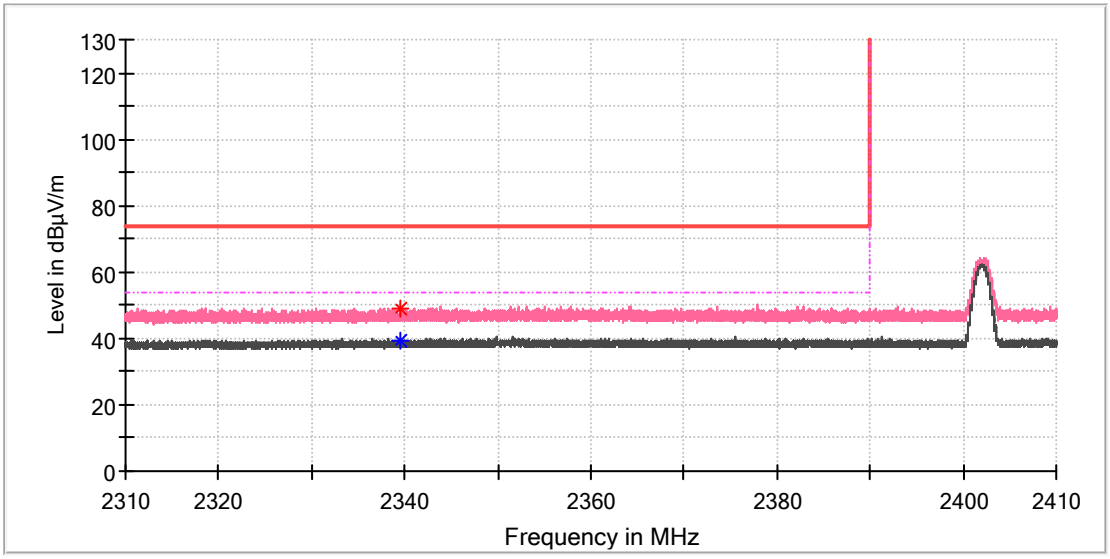


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2334.500000	49.68	---	74.00	24.32	100.0	H	173.0	6.8
2338.980000	---	39.60	54.00	14.40	100.0	H	1.0	6.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

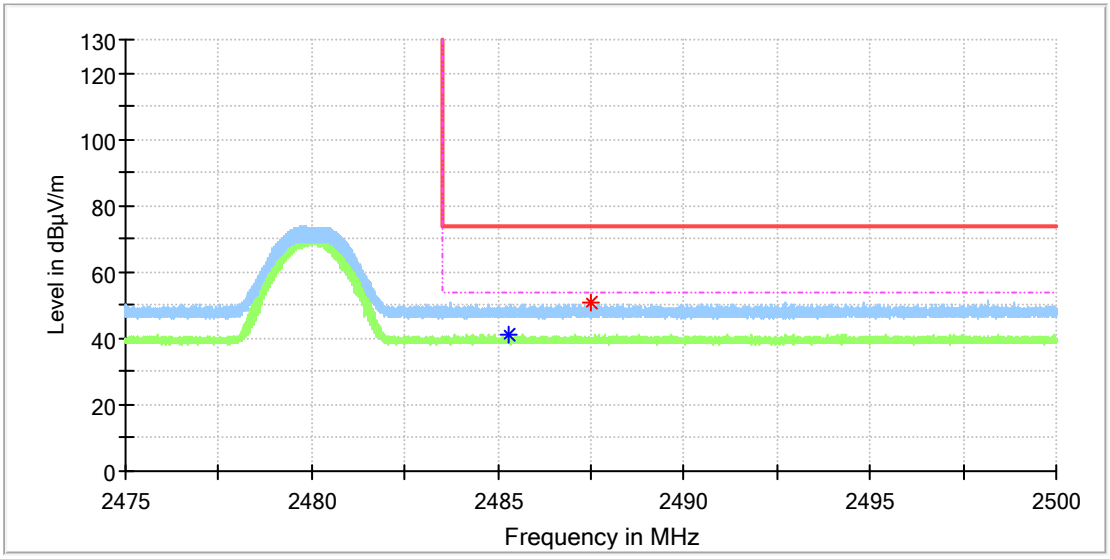


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2339.490000	49.10	---	74.00	24.90	100.0	V	286.0	6.8
2339.555000	---	39.59	54.00	14.41	100.0	V	32.0	6.8

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

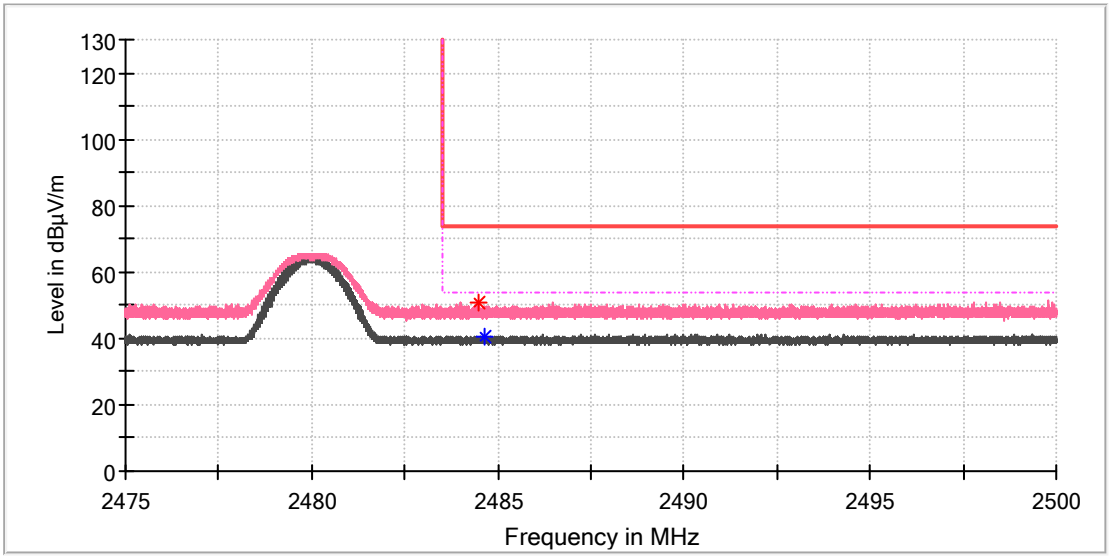


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.290000	---	40.90	54.00	13.10	100.0	H	53.0	7.4
2487.478750	50.98	---	74.00	23.02	100.0	H	44.0	7.4

EUT Information

EUT Name:	Moto Watch 200
Model:	MOSWZ200
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168363827/A003281991-002
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



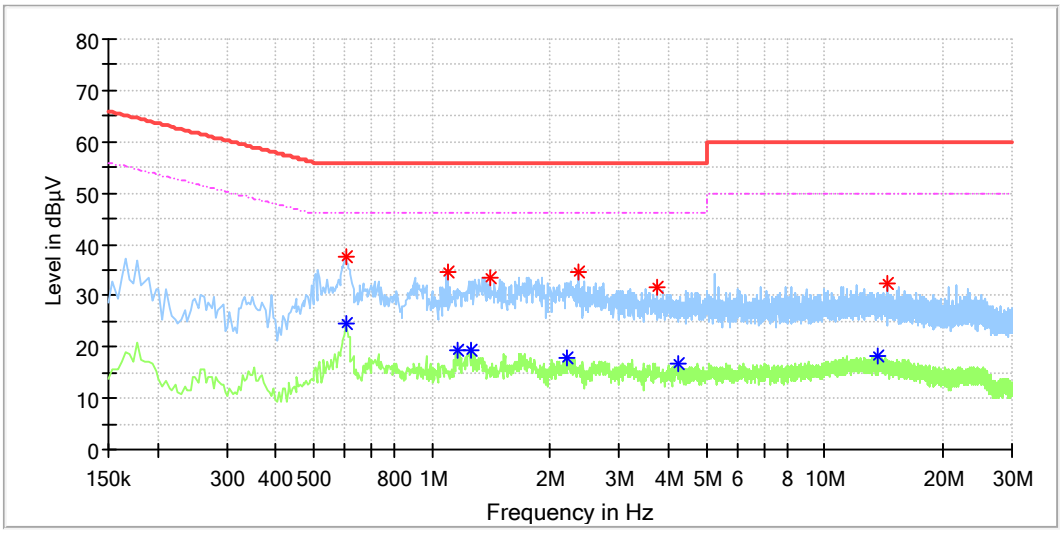
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.478750	50.68	---	74.00	23.32	100.0	V	6.0	7.4
2484.627500	---	40.55	54.00	13.45	100.0	V	189.0	7.4

Appendix B.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Moto Watch 200
Order No:	168363827_P00635443
Model:	MOSWZ200
Test mode:	Charging with normal operating
Test Voltage:	AC 120V/60Hz
Test By:/Review By:	Ouyang Wang/Gary Chen
Test Standard:	FCC part 15
Tem./Hum./Pressure:	24.1°C/52.6%//101kPa
Remark:	SR2

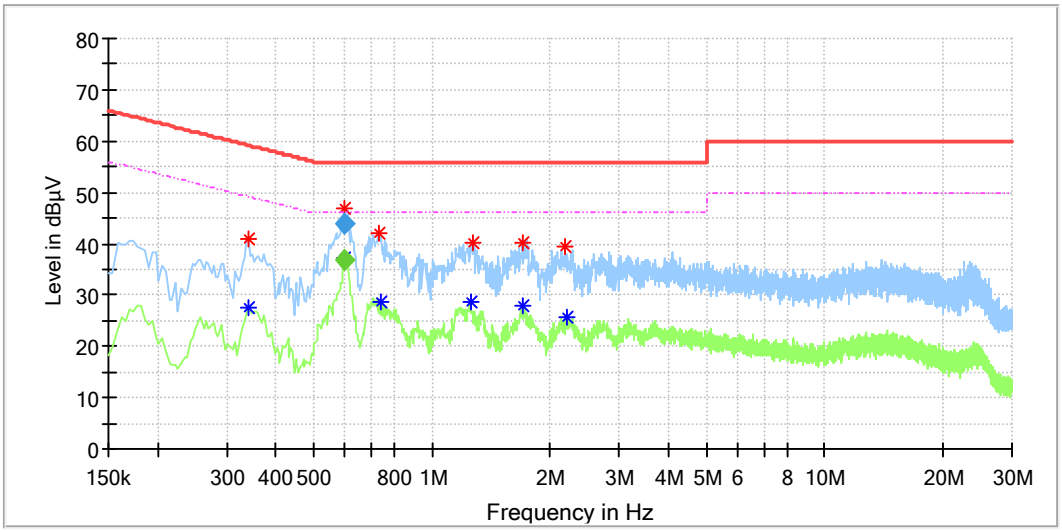


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.602000	37.65	---	56.00	18.35	L1	10.0
0.602000	---	24.71	46.00	21.29	L1	10.0
1.098000	34.45	---	56.00	21.55	L1	10.0
1.162000	---	19.24	46.00	26.76	L1	10.1
1.262000	---	19.42	46.00	26.58	L1	10.1
1.402000	33.65	---	56.00	22.35	L1	10.1
2.202000	---	18.00	46.00	28.00	L1	10.2
2.366000	34.61	---	56.00	21.39	L1	10.2
3.746000	31.47	---	56.00	24.53	L1	10.2
4.218000	---	16.86	46.00	29.14	L1	10.2
13.602000	---	18.08	50.00	31.92	L1	10.4
14.498000	32.48	---	60.00	27.52	L1	10.4

EUT Information

EUT Name:	Moto Watch 200
Order No:	168363827_P00635443
Model:	MOSWZ200
Test mode:	Charging with normal operating
Test Voltage:	AC 120V/60Hz
Test By:/Review By:	Ouyang Wang/Gary Chen
Test Standard:	FCC part 15
Tem./Hum./Pressure:	24.1°C/52.6%//101kPa
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.342000	---	27.58	49.16	21.58	N	9.8
0.342000	40.84	---	59.16	18.32	N	9.8
0.601500	46.84	---	56.00	9.16	N	9.8
0.601500	---	37.14	46.00	8.86	N	9.8
0.730000	42.11	---	56.00	13.89	N	9.8
0.738000	---	28.64	46.00	17.36	N	9.8
1.258000	---	28.65	46.00	17.35	N	9.8
1.278000	40.23	---	56.00	15.77	N	9.8
1.694000	40.01	---	56.00	15.99	N	9.8
1.702000	---	27.99	46.00	18.01	N	9.8
2.186000	39.42	---	56.00	16.58	N	9.9
2.198000	---	25.81	46.00	20.19	N	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.601500	---	36.94	46.00	9.06	3000.0	9.000	N	9.8
0.601500	43.98	---	56.00	12.02	3000.0	9.000	N	9.8