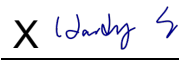
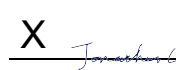


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Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-06-26		
Auftraggeber: <i>Client:</i>	BlueAnt Wireless Suite 6, 861 Doncaster Road, Doncaster East, Victoria 3109, Australia				
Prüfgegenstand: <i>Test item:</i>	Microphone				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	MIC-X (Trademark: BlueAnt)				
Auftrags-Inhalt: <i>Order content:</i>	Test Report				
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-06-27	Please refer to Photo Document			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003762173-001 A003762173-004				
Prüfzeitraum: <i>Testing period:</i>	2024-07-02 - 2024-07-20				
Ort der Prüfung: <i>Place of testing:</i>	(refer to 2.1)				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von: <i>tested by:</i>	Hardy X  Suo		genehmigt von: <i>authorized by:</i>	Jonat X  han Li	
Datum: <i>Date:</i>	2024-07-26		Ausstellungsdatum: <i>Issue date:</i>	2024-07-26	
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: VHF-BLUEANT-MICX				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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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 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% 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

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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: Test Results of Bluetooth LE

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China.

FCC Accreditation Designation No.: 694916

ISED wireless device testing laboratory: 25069

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

A2LA Certificate Number: 4312.01

Remark: test Conducted Emission on AC Mains was performed at Shenzhen UnionTrust Quality and Technology Co., Ltd.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
9039436	EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	22.09.2023	21.09.2024
9039437	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	22.09.2023	21.09.2024
9039438	EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	22.09.2023	21.09.2024
9039439	DC Power Supply	Keysight	E3642A	MY61276100	22.09.2023	21.09.2024
9039440	Wireless Connectivity Tester	R&S	CMW270	102505	22.09.2023	21.09.2024
9039441	Power Control Unit	Tonscend	JS0806-4ADC	N/A	22.09.2023	21.09.2024
9039442	Automation Control Unit	Tonscend	JS0806-2	21C8060396	22.09.2023	21.09.2024
9039443	Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
9039444	Control PC	Lenovo	TianYi510S-071MB	Y LX23JMF	N/A	N/A
Unwanted Emission Testing (TS9975)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
G1826021	EMI Test Receiver	R&S	ESR 7	102021	26.07.2023	25.07.2024
G1826023	Signal Analyzer	R&S	FSV 40	101439	26.07.2023	25.07.2024
G1826024	System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
G1826025	Filterbank	R&S	Wlan	100759	26.07.2023	25.07.2024
G1826026	OSP	R&S	OSP 120	102040	N/A	N/A

G1826028	Pre-amplifier	R&S	SCU08F1	08320031	26.07.2023	25.07.2024
G1826029	Amplifier	R&S	SCU-18F	180070	26.07.2023	25.07.2024
G1826030	Amplifier	R&S	SCU40A	100475	26.07.2023	25.07.2024
G1826031	Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	07.08.2022	06.08.2024
G1826032	Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	07.08.2022	06.08.2024
G1826033	Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	28.08.2022	27.08.2024
G1826034	Active Loop Antenna	Schwarzbeck	FMZB 1513	302	07.08.2022	06.08.2024
G1826036	Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
G1826037	Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
G1826433	3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	21.06.2024	20.06.2025

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Conducted Emission				
LISN	R&S	ESH2-Z5	860014/024	26-Oct-2024
Receiver	R&S	ESR7	101181	26-Oct-2024
Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	26-Oct-2024
Shielding room	ETS-Lindgren	843	Euroshiedpn-CT001270-1246	4-Nov-2024
Test Software	EZ-EMC	EZ-CON	Software Version: EMC-CON 3A1.1	

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 basis 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.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB

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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) Co., Ltd. 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, 518110, Shenzhen, P. R. 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 Product is a Microphone which supports Bluetooth LE.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Microphone
Type Designation:	MIC-X
Trademark:	BlueAnt
FCC ID:	VHF-BLUEANT-MICX
Operating Voltage:	Charging by Type-C DV 5V, or Bulit-in battery
Testing Voltage:	AC 120V, 60Hz
Operating Temperature Range:	0°C ~ +50 °C
Radiofrequency operating mode:	Bluetooth BLE (1Mbps&2Mbps)
Technical Specification of Bluetooth LE	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	Low Energy mode: 40 channels
Channel Separation:	Low Energy mode: 2MHz
Data Rate:	Low Energy mode: 1Mbps, 2Mbps
Antenna Type:	Integral Antenna
Antenna Number:	1
Antenna Gain:	-0.68 dBi (Provided by the Client)

Table 4: RF Channel and Frequency of Bluetooth LE

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

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8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth transmitting mode (BLE)

- 1) Low Channel
- 2) Middle Channel
- 3) High Channel

B. On, Normal operation

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- ID Label and Location Info
- User Manual
- Operation Description

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 tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model MIC-X in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Laptop	Lenovo	T480	S/N: PF-16A6N8
Bluetooth Speaker	BlueAnt	X5i	--

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 1GHz)

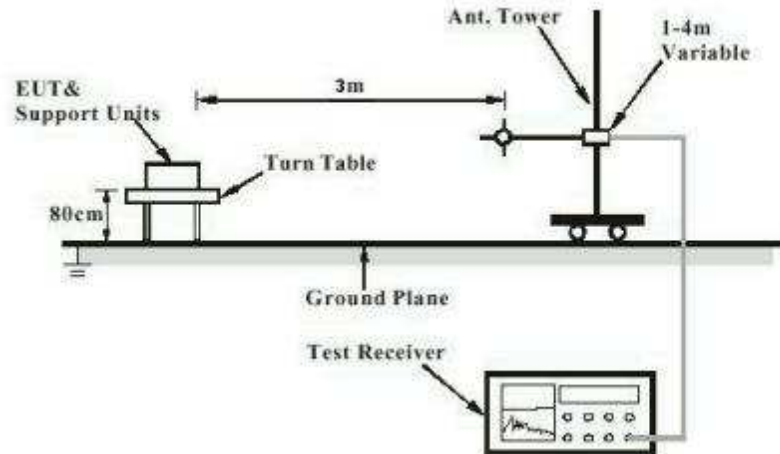


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

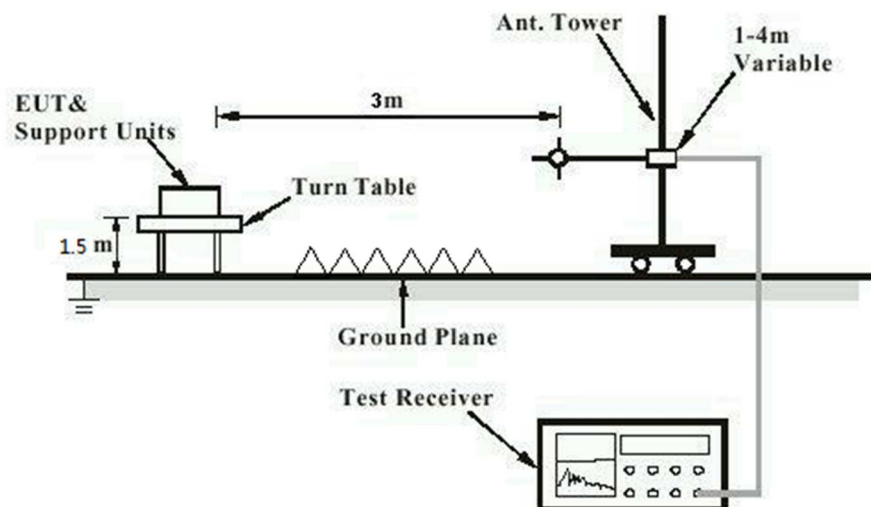


Diagram of Measurement Configuration for Mains Conduction Measurement

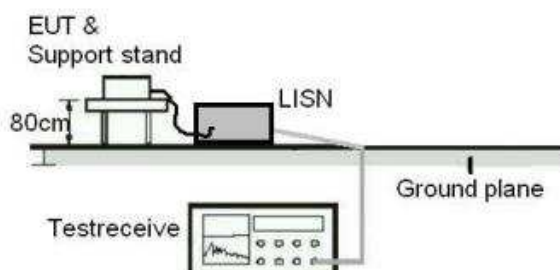
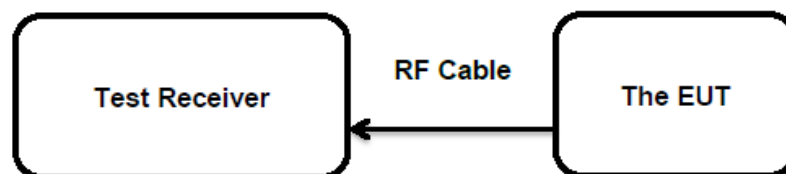


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declared, the EUT has one Integral Antenna, the directional gain of antenna is -0.68 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.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(b)(1)&(3)
 Basic standard : ANSI C63.10: 2013
 Limits : FHSS < 0.125 Watts, DSSS < 1.0 Watts
 Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-07-02 - 2024-07-20
 Input voltage : AC 120V, 60Hz
 Operation mode : A
 Test channel : Low / Middle / High
 Ambient temperature : 23.5 °C
 Relative humidity : 52.5 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Peak Conducted Output Power, Bluetooth LE

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
Bluetooth LE	1 Mbps	2402.0	9.06	0.0081	< 1.0
		2440.0	9.03	0.0080	
		2480.0	8.76	0.0075	
	2 Mbps	2402.0	9.01	0.0080	
		2440.0	9.15	0.0082	
		2480.0	8.88	0.0077	
Maximum Measured Value			9.15	0.0082	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): -0.68 dBi

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e)
Basic standard	: ANSI C63.10: 2013
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-07-02 - 2024-07-20
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.5 °C
Relative humidity	: 52.5 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(a)(2)
Basic standard	: ANSI C63.10: 2013
Limits	: > 500 KHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-07-02 - 2024-07-20
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.5 °C
Relative humidity	: 52.5 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(a)
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-07-02 - 2024-07-20
Input voltage : AC 120V, 60Hz
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 23.5 °C
Relative humidity : 52.5 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix A.

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5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d)
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	: 2024-07-02 - 2024-07-20
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.5 °C
Relative humidity	: 52.5 %
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 A.

5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2024-07-02 - 2024-07-20
Input voltage	: AC 120V, 60Hz
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 A.

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5.1.8 Conducted Emission on AC Mains

RESULT:**Pass****Test Specification**

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

Test Setup

Date of testing	: 2024-07-18
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

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

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Appendix A.1: DTS Bandwidth Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.696	2402.356	0.5	PASS
		2440	0.668	2439.692	2440.360	0.5	PASS
		2480	0.688	2479.696	2480.384	0.5	PASS
BLE_2M	Ant1	2402	1.136	2401.476	2402.612	0.5	PASS
		2440	1.088	2439.504	2440.592	0.5	PASS
		2480	1.128	2479.460	2480.588	0.5	PASS

Test Graphs







Appendix A.2: Occupied Channel Bandwidth Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0401	2401.5152	2402.5553	---	---
		2440	1.0417	2439.5109	2440.5526	---	---
		2480	1.0472	2479.5143	2480.5615	---	---
BLE_2M	Ant1	2402	2.0457	2401.0218	2403.0675	---	---
		2440	2.0725	2439.0124	2441.0849	---	---
		2480	2.0374	2479.0298	2481.0672	---	---

Test Graphs



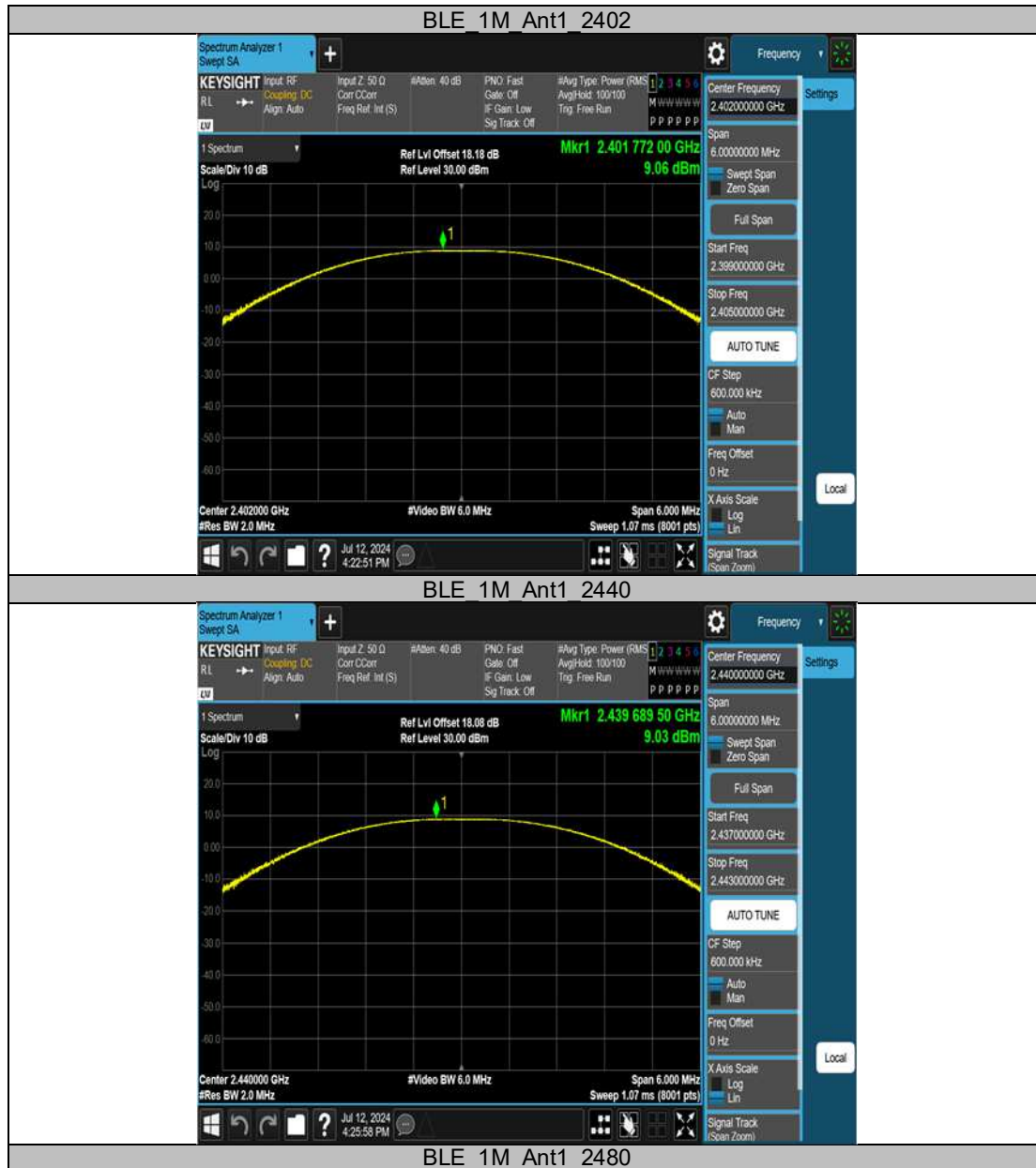


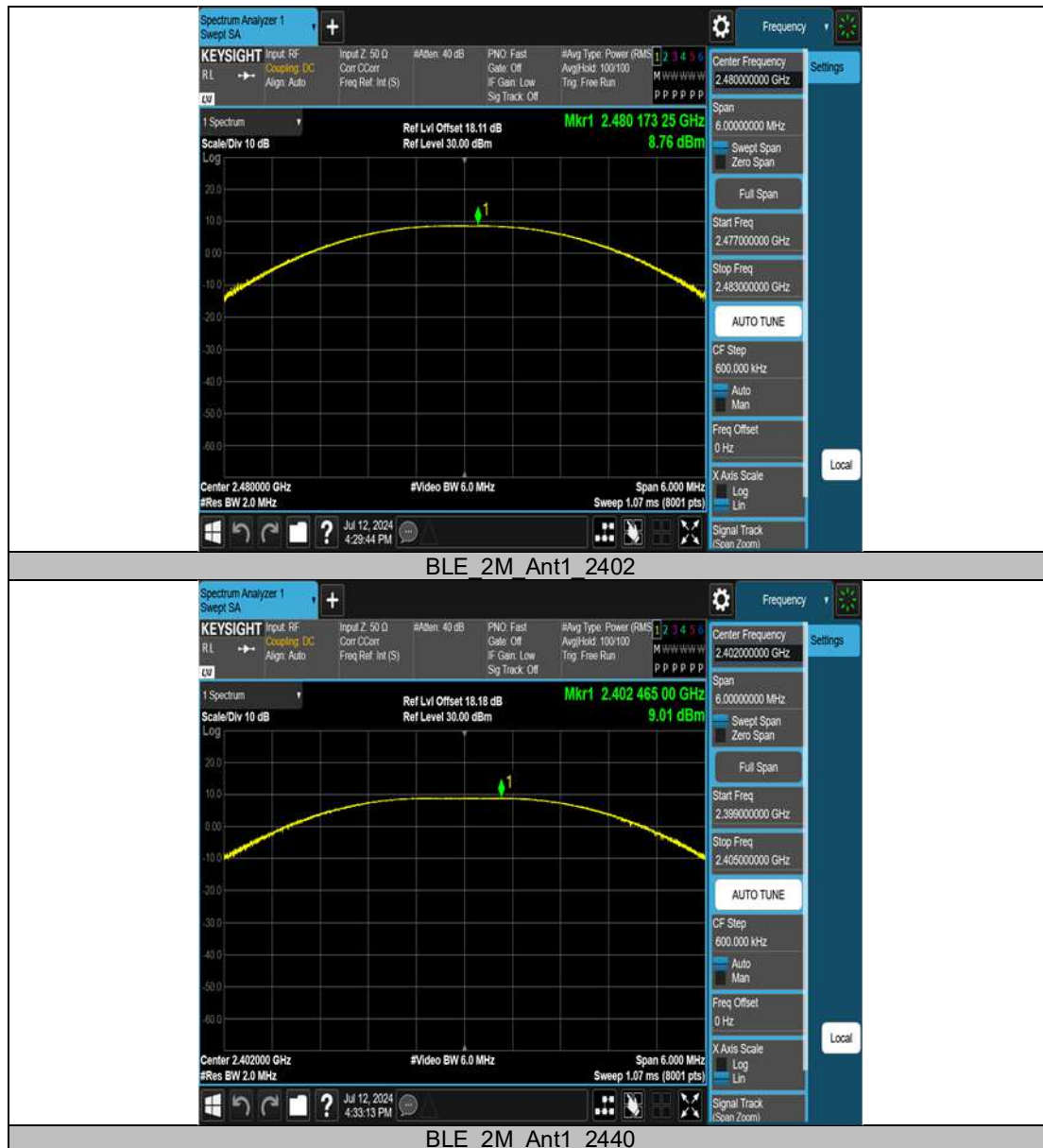


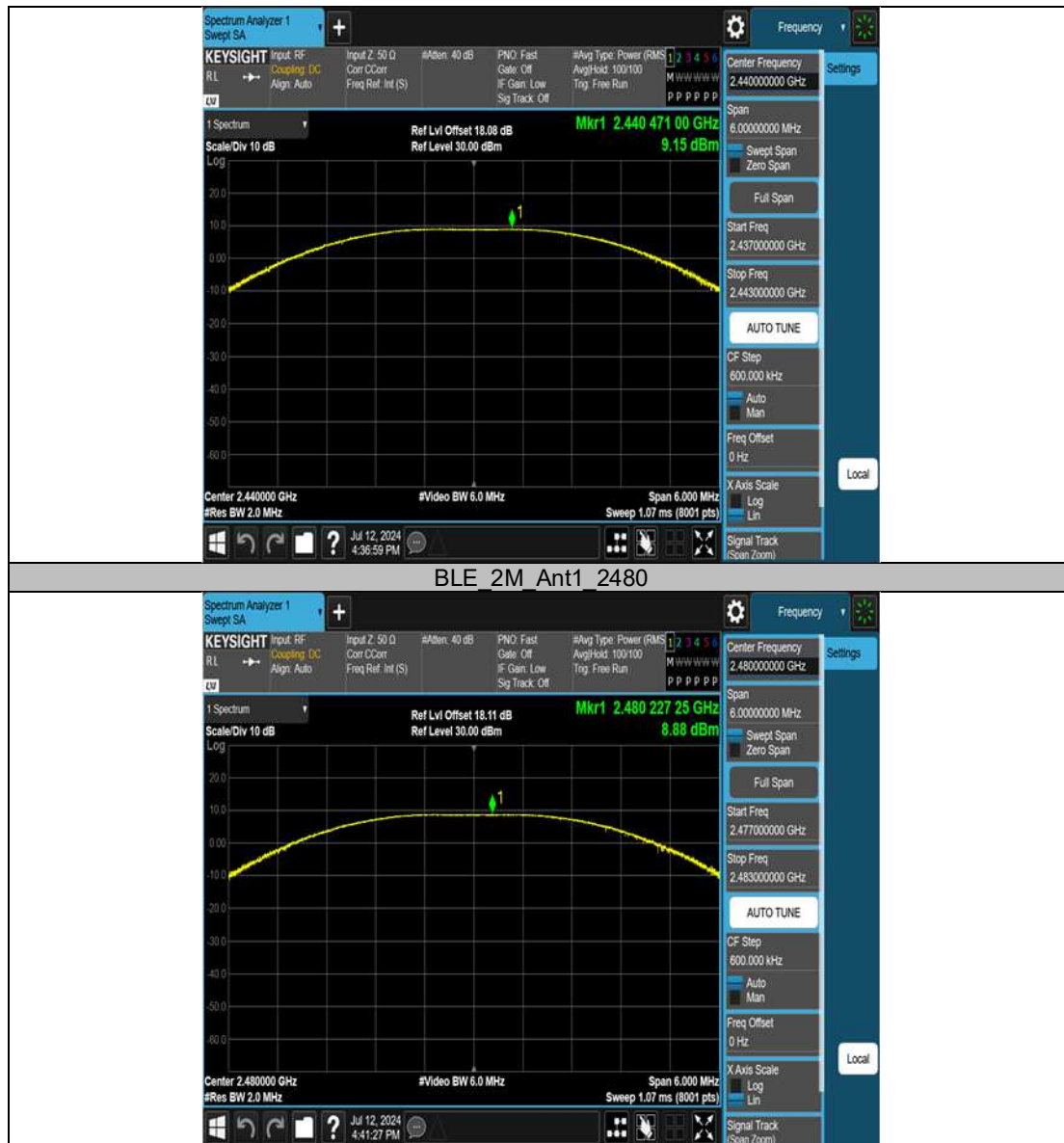
Appendix A.3: Maximum conducted output power Test Result PK

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	9.06	≤30	PASS
		2440	9.03	≤30	PASS
		2480	8.76	≤30	PASS
BLE_2M	Ant1	2402	9.01	≤30	PASS
		2440	9.15	≤30	PASS
		2480	8.88	≤30	PASS

Test Graphs PK



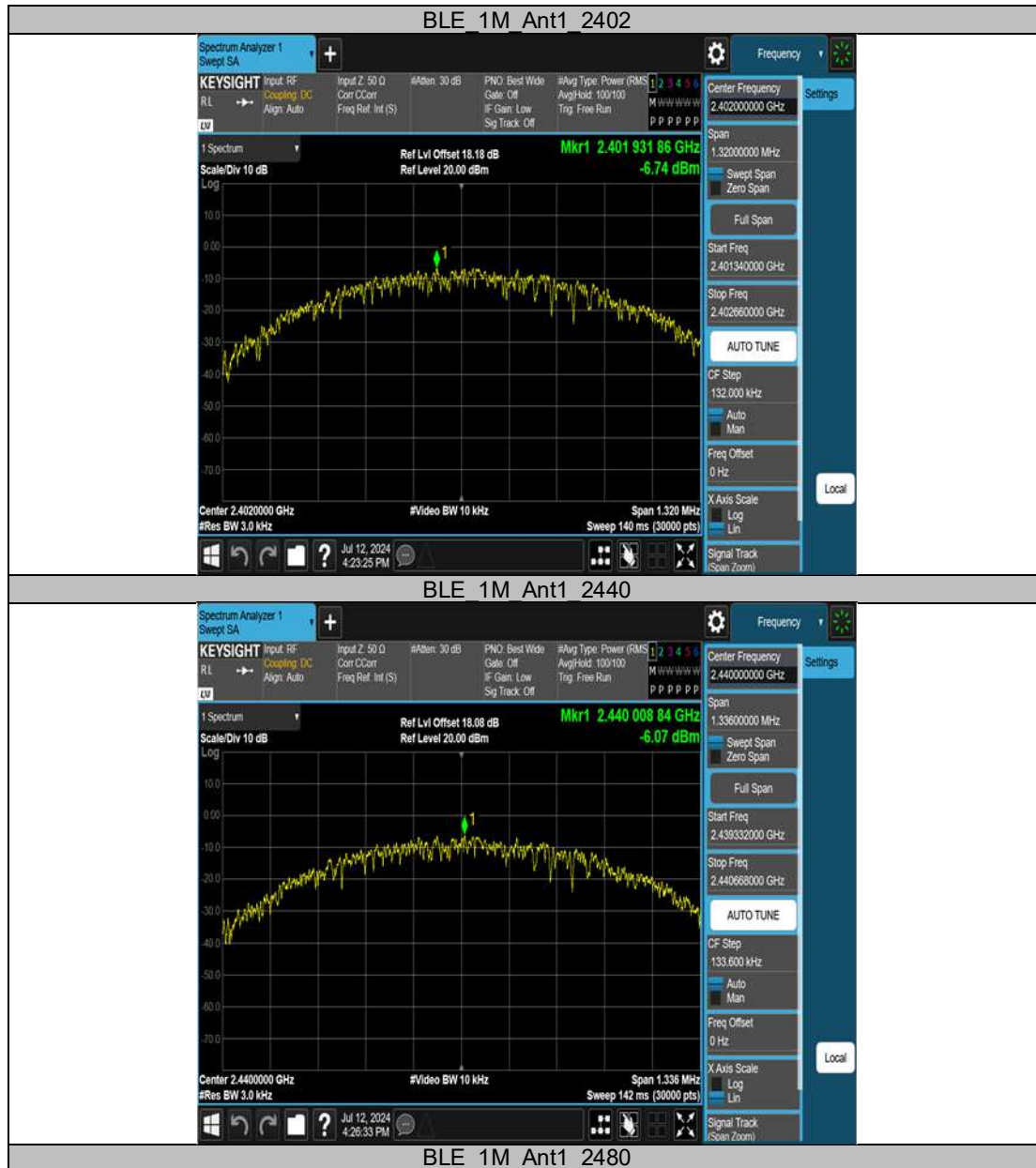


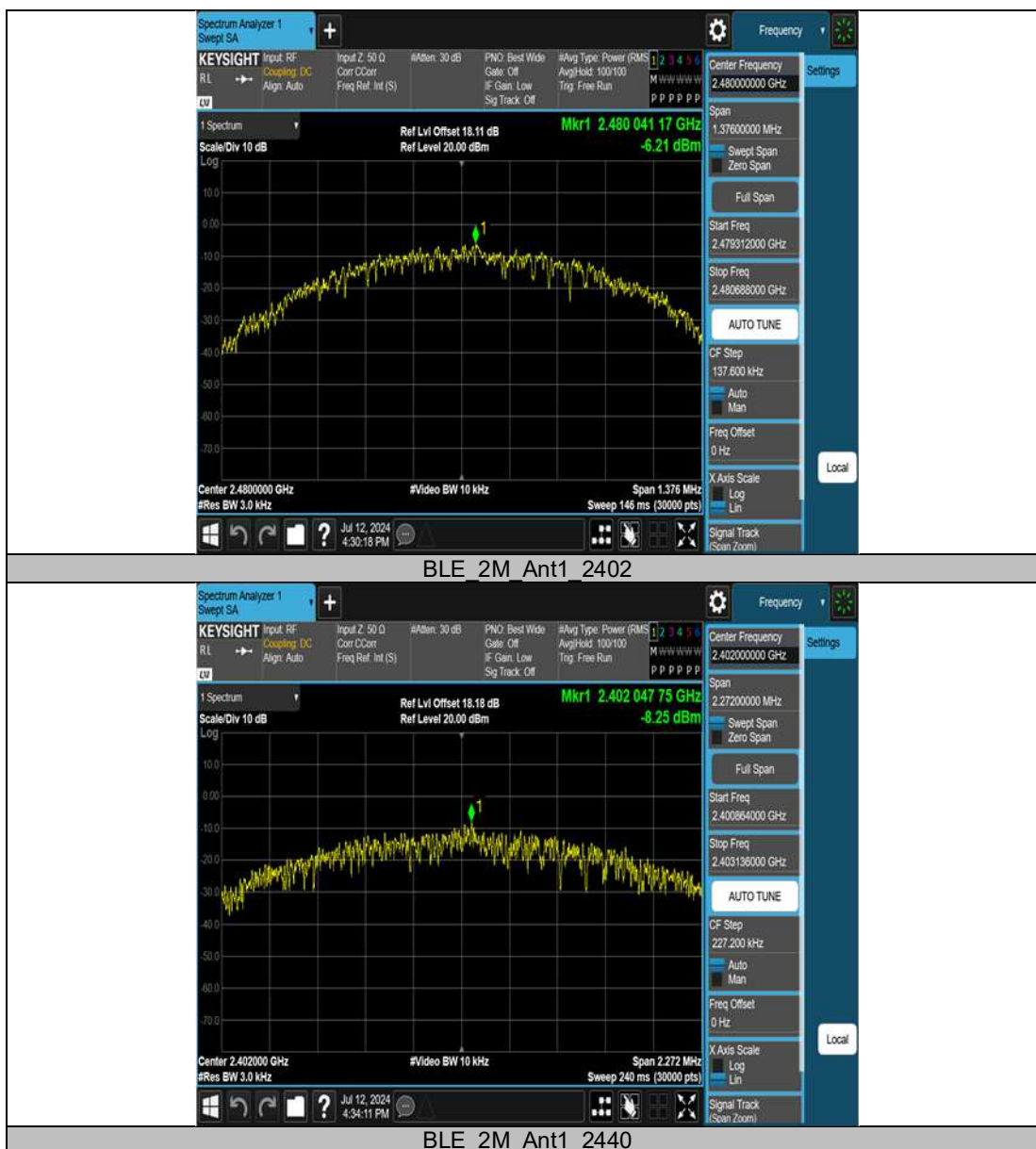


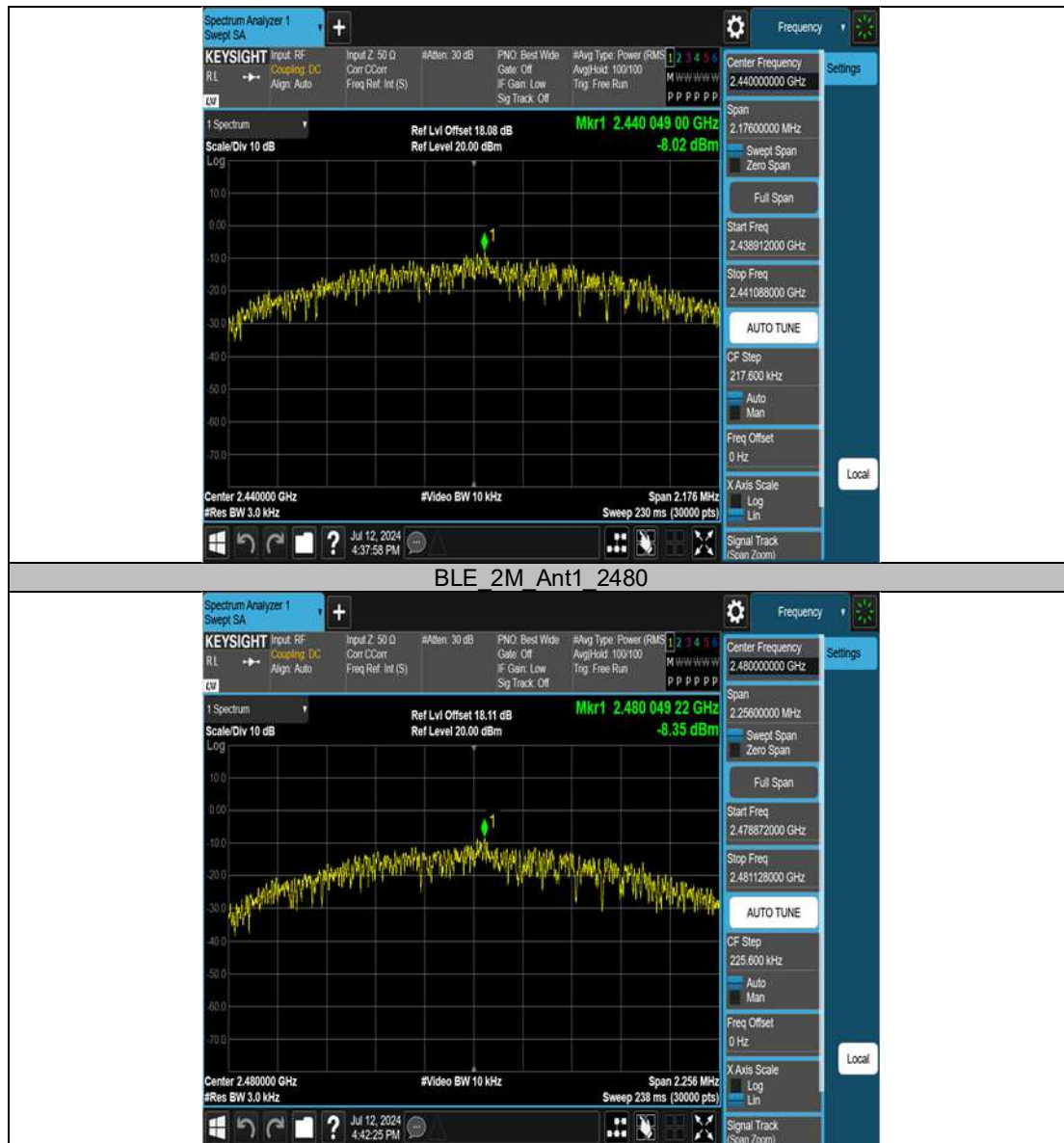
Appendix A.4: Maximum power spectral density Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.74	≤8.00	PASS
		2440	-6.07	≤8.00	PASS
		2480	-6.21	≤8.00	PASS
BLE_2M	Ant1	2402	-8.25	≤8.00	PASS
		2440	-8.02	≤8.00	PASS
		2480	-8.35	≤8.00	PASS

Test Graphs







Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	8.68	-35.90	≤-11.32	PASS
		High	2480	8.38	-44.57	≤-11.62	PASS
BLE_2M	Ant1	Low	2402	9.49	-25.60	≤-10.51	PASS
		High	2480	8.12	-44.69	≤-11.88	PASS

Test Graphs

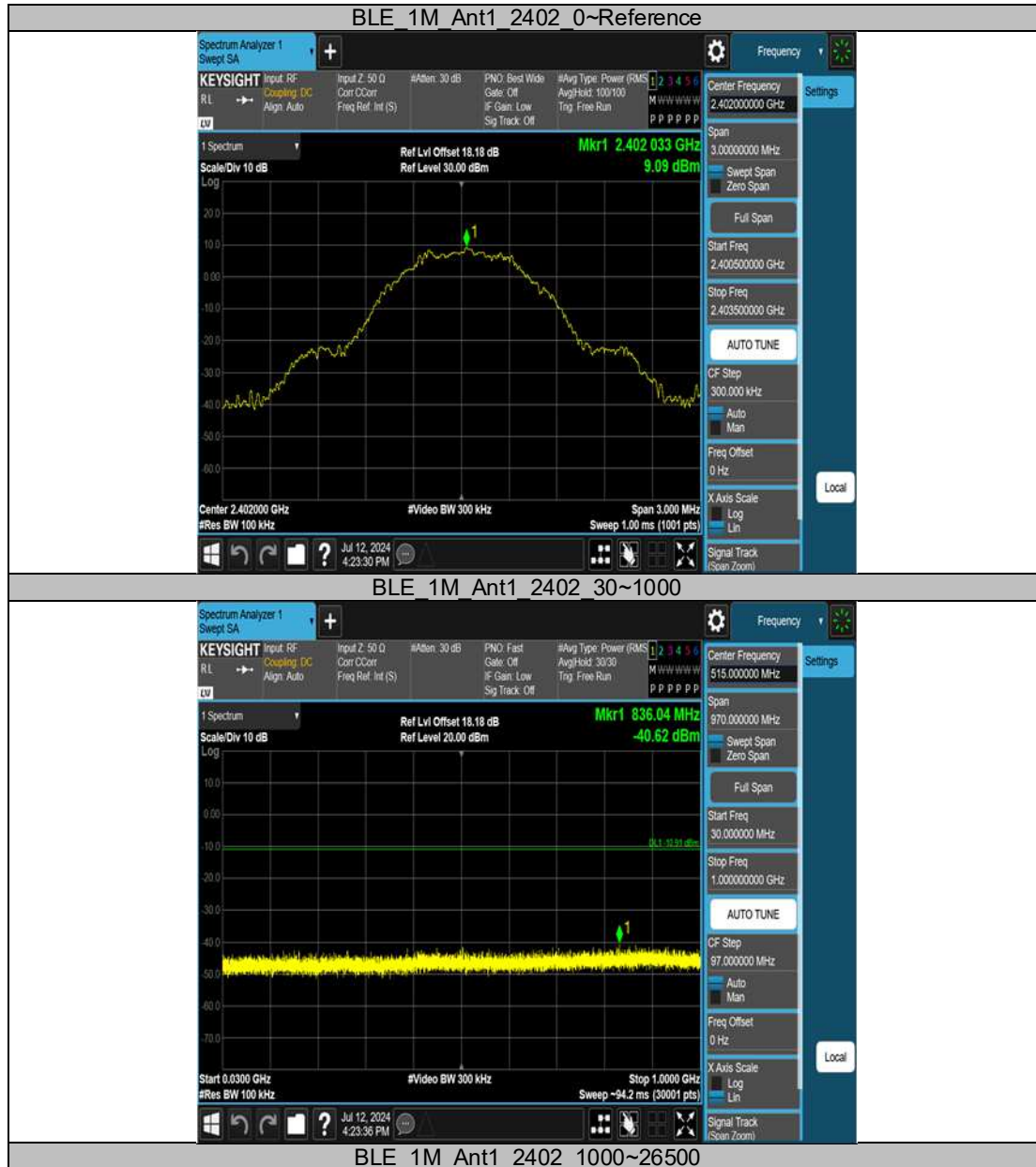




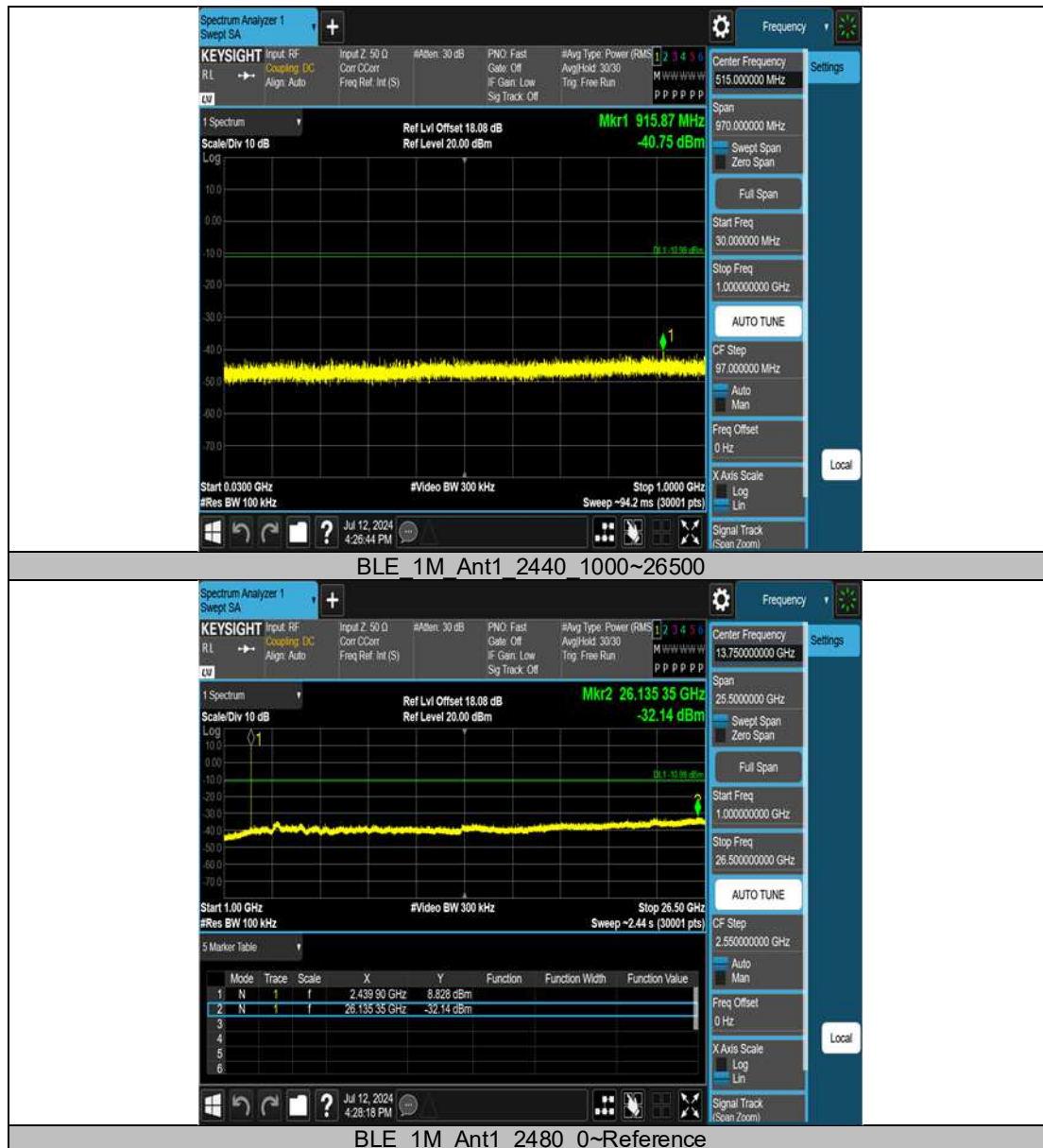
Appendix A.6: Conducted Spurious Emission Test Result

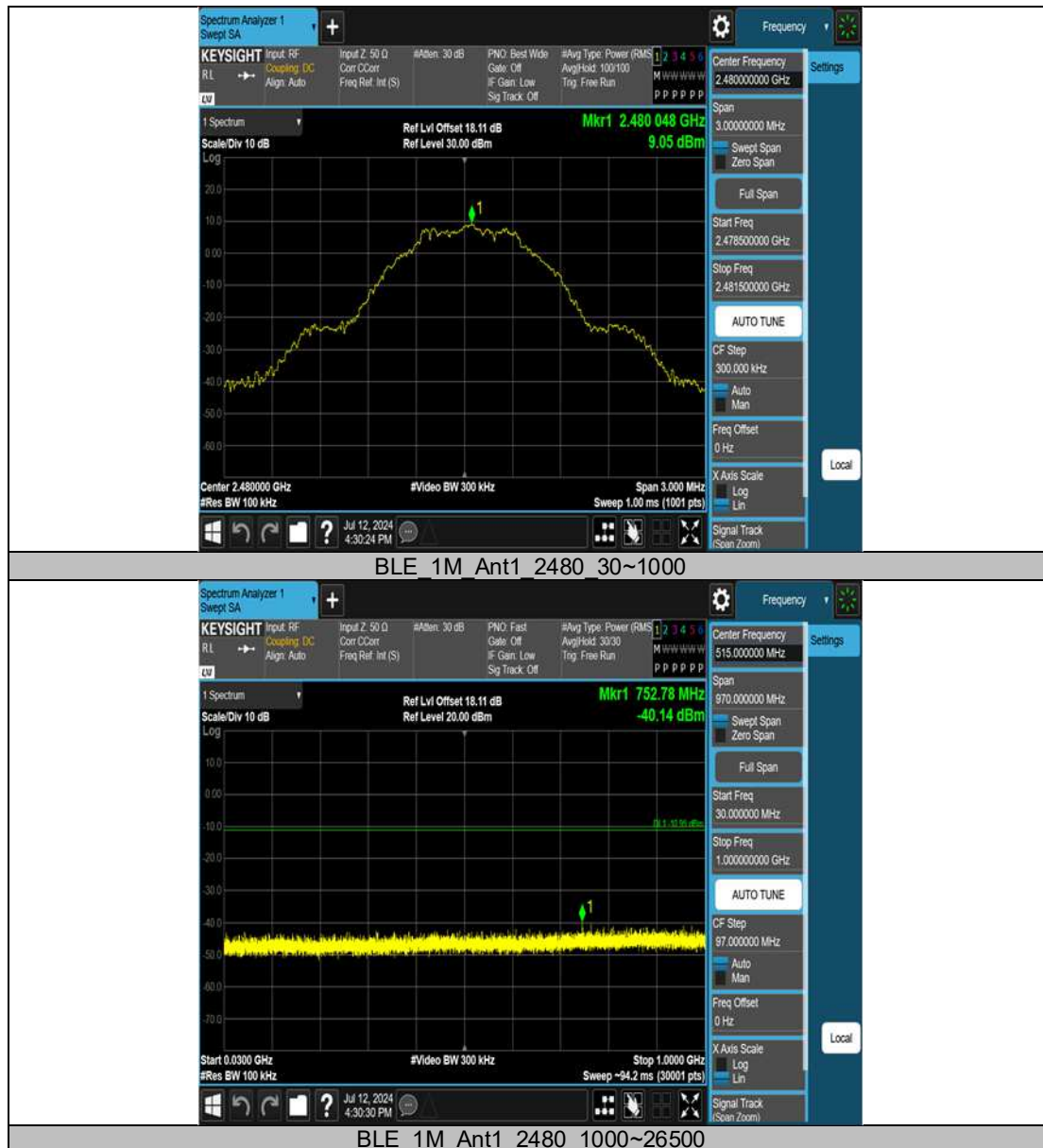
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	9.09	9.09	---	PASS
			30~1000	9.09	-40.62	≤-10.91	PASS
			1000~26500	9.09	-31.35	≤-10.91	PASS
		2440	Reference	9.02	9.02	---	PASS
			30~1000	9.02	-40.75	≤-10.98	PASS
			1000~26500	9.02	-32.14	≤-10.98	PASS
		2480	Reference	9.05	9.05	---	PASS
			30~1000	9.05	-40.14	≤-10.95	PASS
			1000~26500	9.05	-31.91	≤-10.95	PASS
BLE_2M	Ant1	2402	Reference	7.94	7.94	---	PASS
			30~1000	7.94	-40.82	≤-12.06	PASS
			1000~26500	7.94	-32.04	≤-12.06	PASS
		2440	Reference	9.19	9.19	---	PASS
			30~1000	9.19	-39.64	≤-10.81	PASS
			1000~26500	9.19	-32.33	≤-10.81	PASS
		2480	Reference	7.45	7.45	---	PASS
			30~1000	7.45	-39.87	≤-12.55	PASS
			1000~26500	7.45	-31.8	≤-12.55	PASS

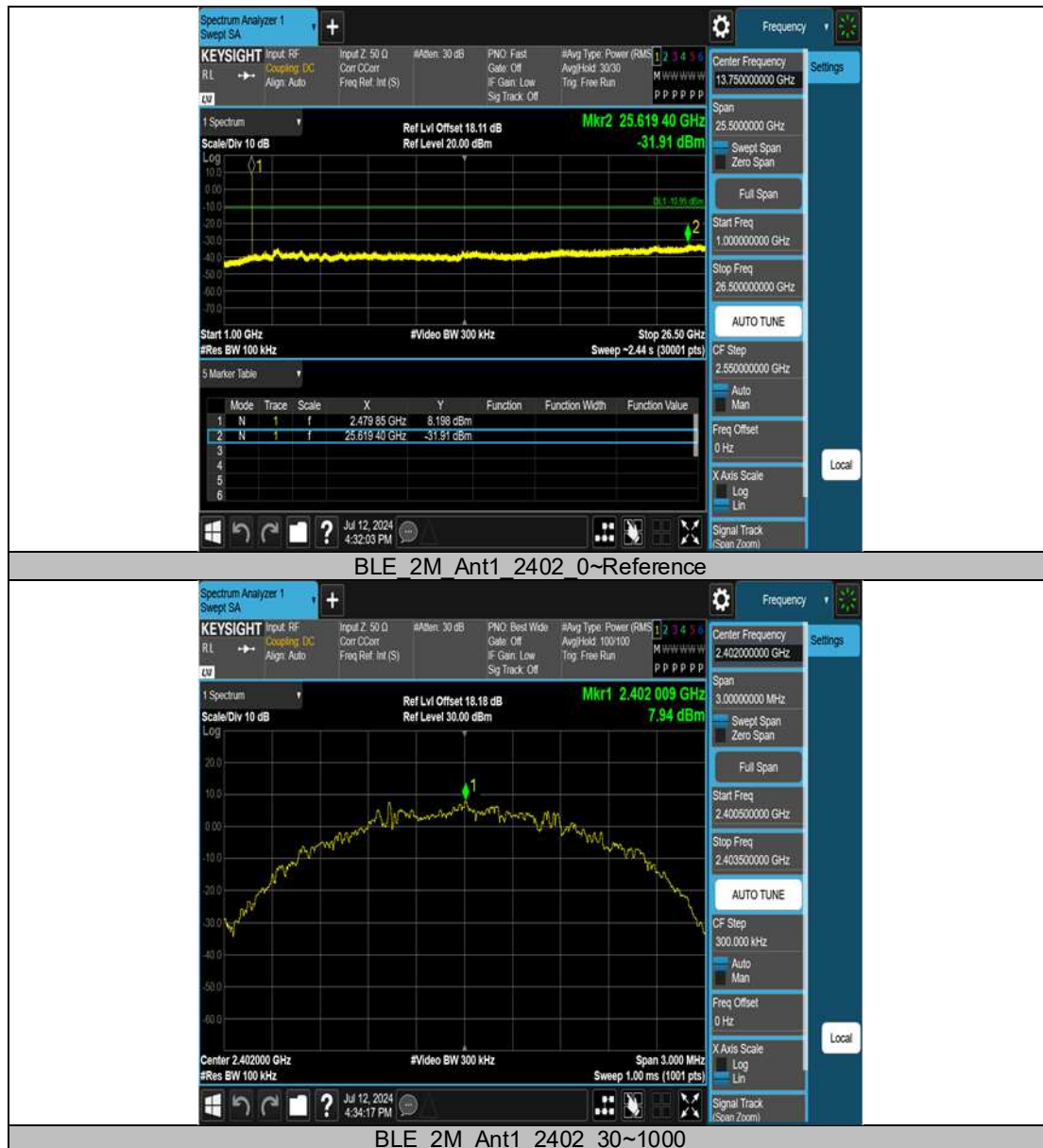
Test Graphs

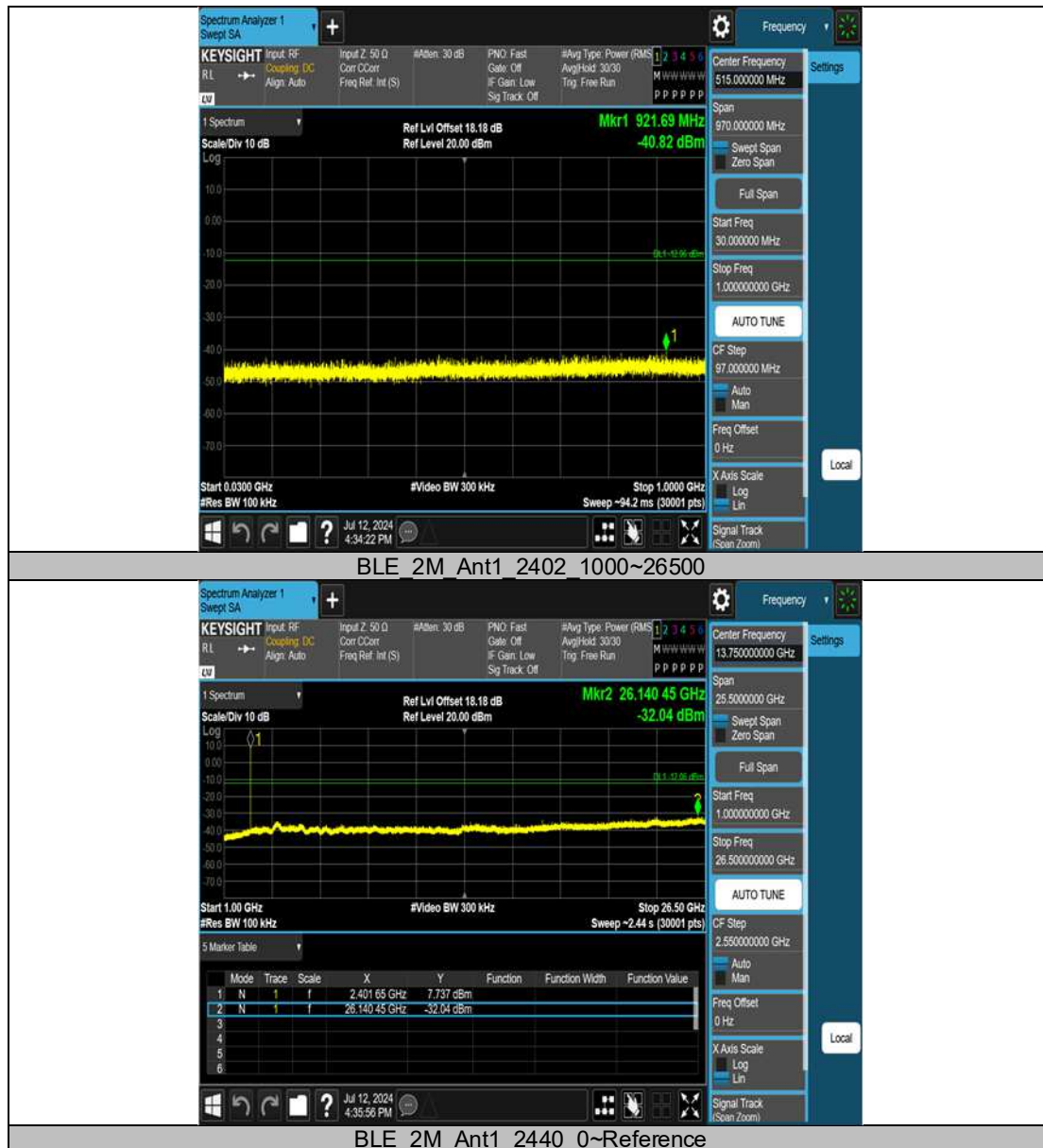




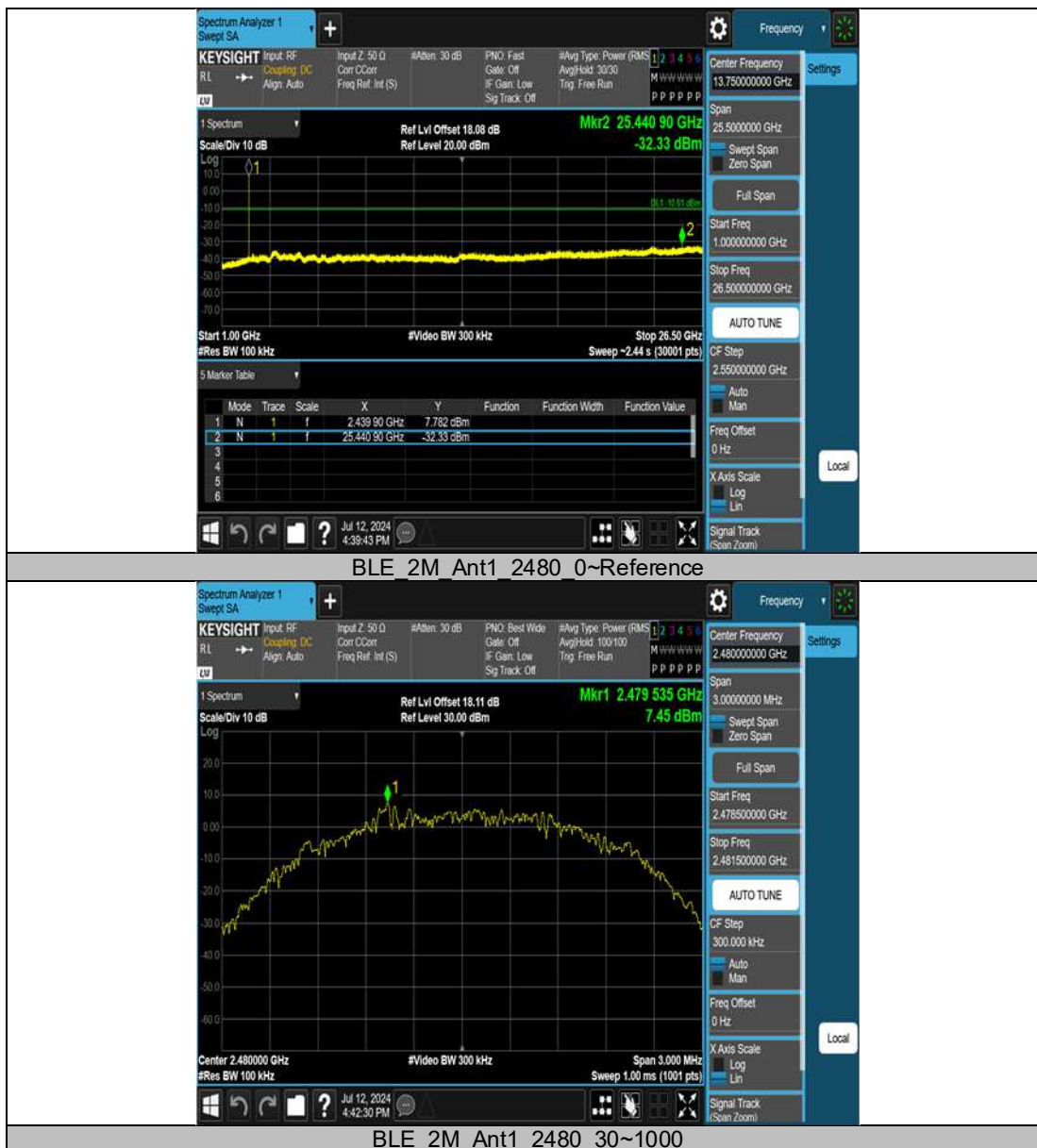


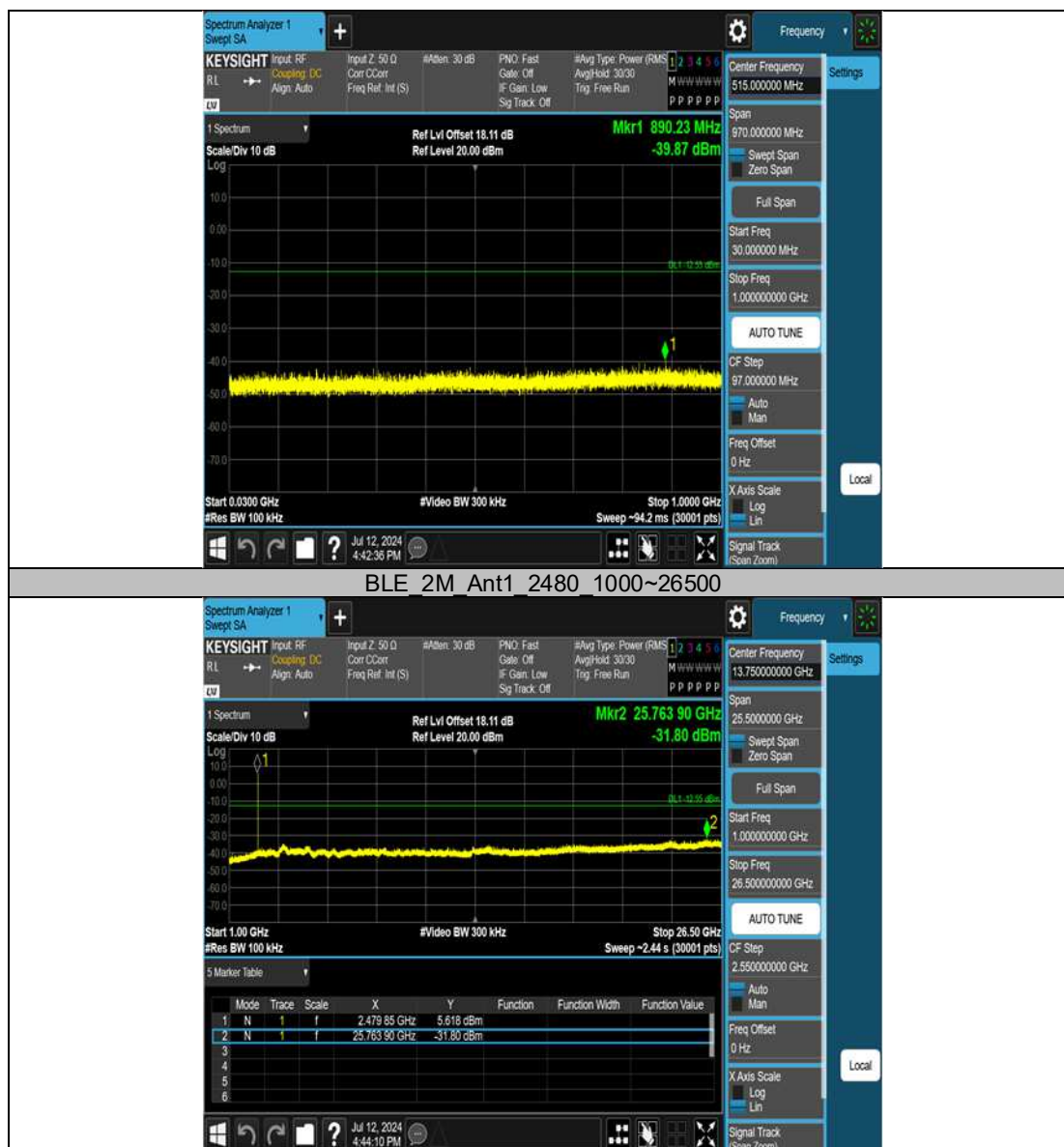












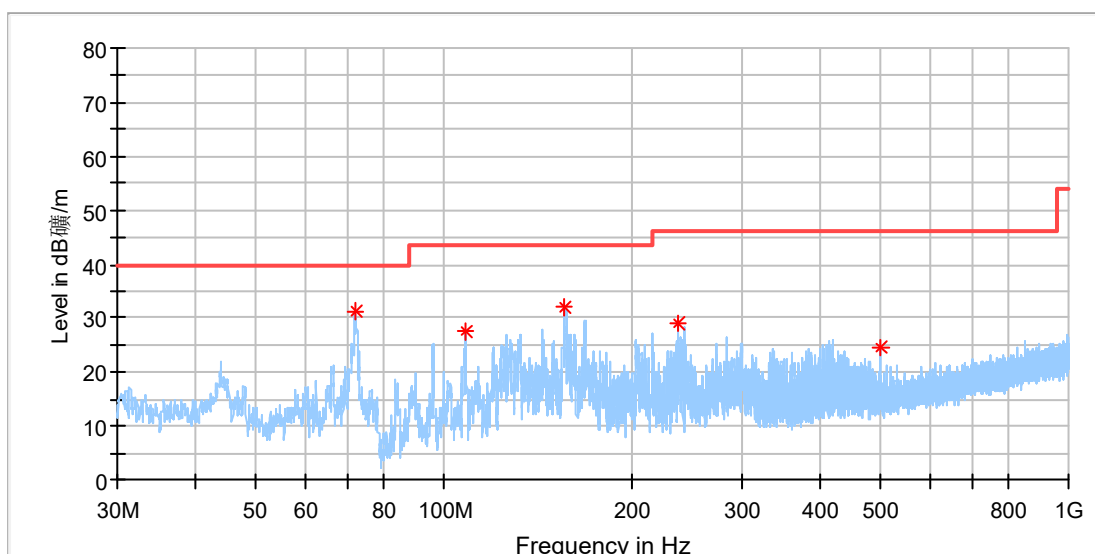
Appendix A.7: Test Results of Radiated Spurious Emissions

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.

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

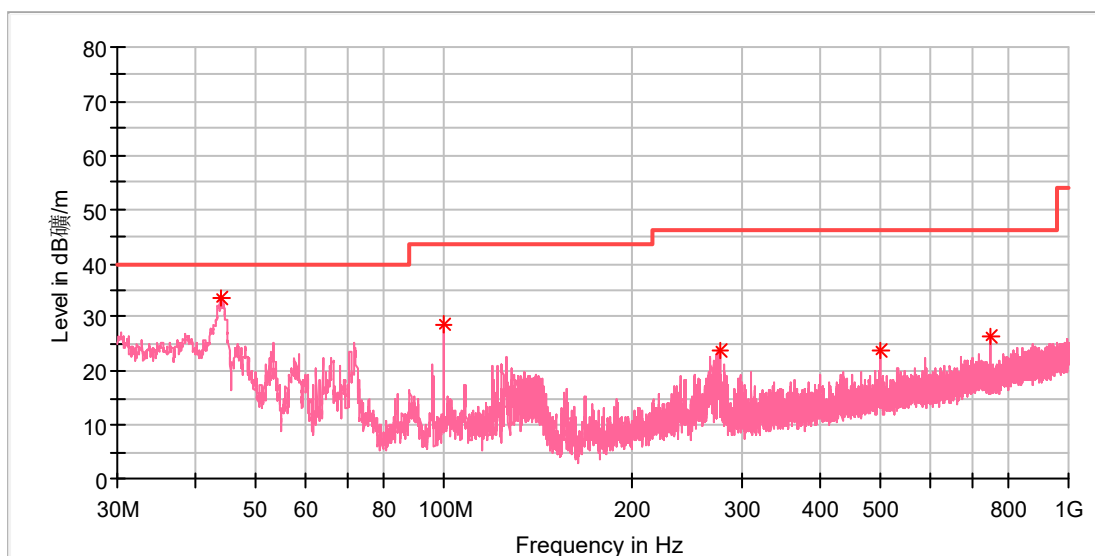
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
72.008462	31.33	40.00	8.67	100.0	H	252.0	-22.8
108.383462	27.51	43.50	15.99	100.0	H	304.0	-19.3
155.689615	32.11	43.50	11.39	100.0	H	280.0	-22.2
237.468077	29.05	46.00	16.95	100.0	H	304.0	-18.1
500.002308	24.52	46.00	21.48	100.0	H	40.0	-12.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Mic-X Bluetooth
Model: MIC-X
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168490951/A003762173-001
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Lich Chen
Reviewed By: Terry Yin



Critical Freqs

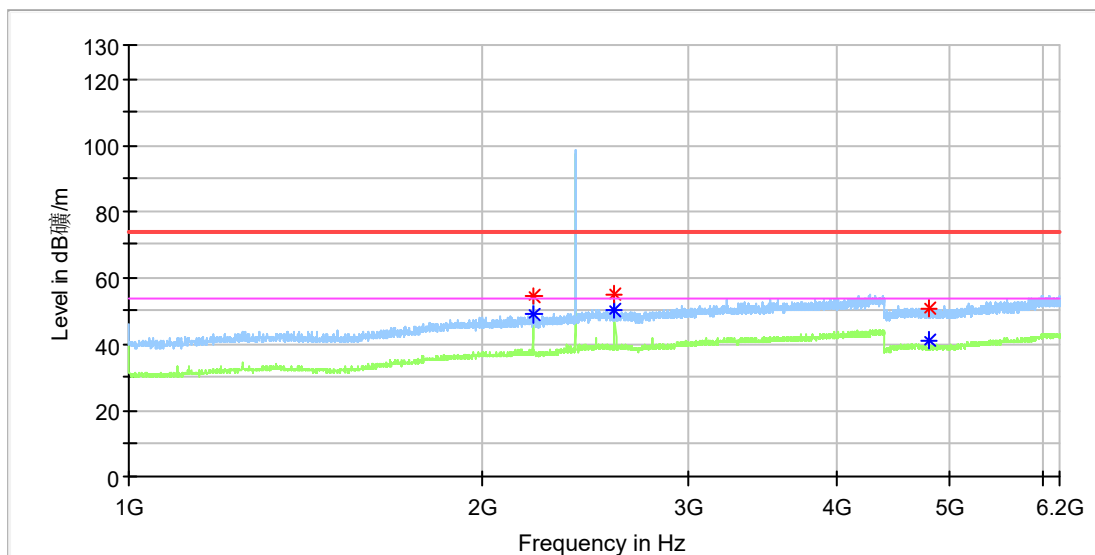
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
43.915769	33.55	40.00	6.45	100.0	V	86.0	-19.4
99.989231	28.47	43.50	15.03	100.0	V	16.0	-19.3
275.969615	23.71	46.00	22.29	100.0	V	244.0	-17.1
500.002308	23.92	46.00	22.08	100.0	V	0.0	-12.2
750.038462	26.55	46.00	19.45	100.0	V	187.0	-7.6

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

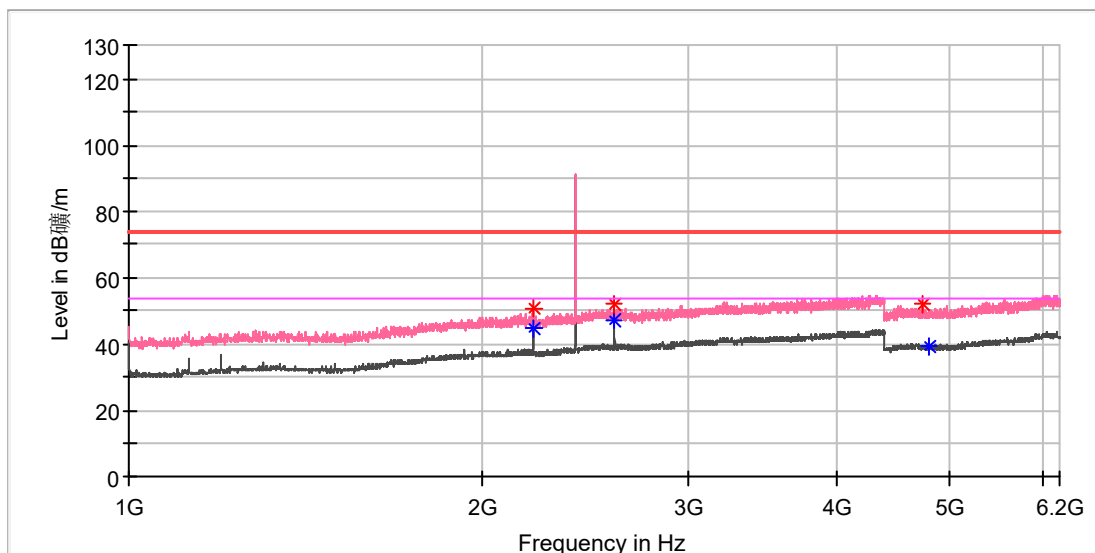
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2209.500000	---	48.71	54.00	5.29	150.0	H	52.0	6.3
2210.000000	54.19	---	74.00	19.81	150.0	H	52.0	6.3
2594.000000	---	50.05	54.00	3.95	150.0	H	45.0	7.4
2594.000000	54.73	---	74.00	19.27	150.0	H	45.0	7.4
4802.500000	50.71	---	74.00	23.29	150.0	H	329.0	11.8
4804.000000	---	41.28	54.00	12.72	150.0	H	148.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

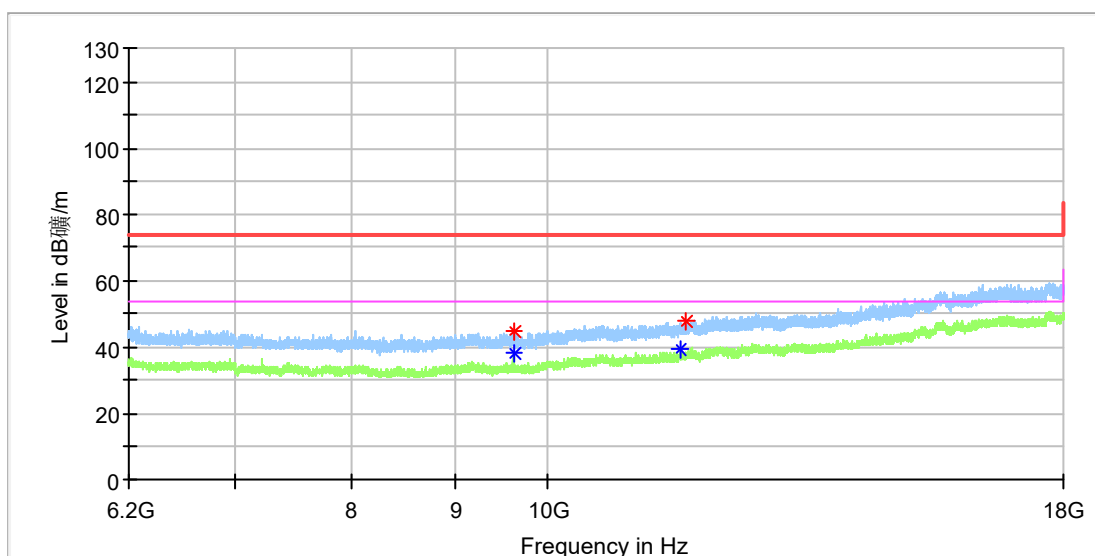
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2209.500000	50.85	---	74.00	23.15	150.0	V	104.0	6.3
2210.000000	---	44.59	54.00	9.41	150.0	V	104.0	6.3
2593.500000	---	47.12	54.00	6.88	150.0	V	104.0	7.4
2593.500000	51.98	---	74.00	22.02	150.0	V	104.0	7.4
4751.000000	52.10	---	74.00	21.90	150.0	V	203.0	11.8
4809.000000	---	39.48	54.00	14.52	150.0	V	79.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage:.	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

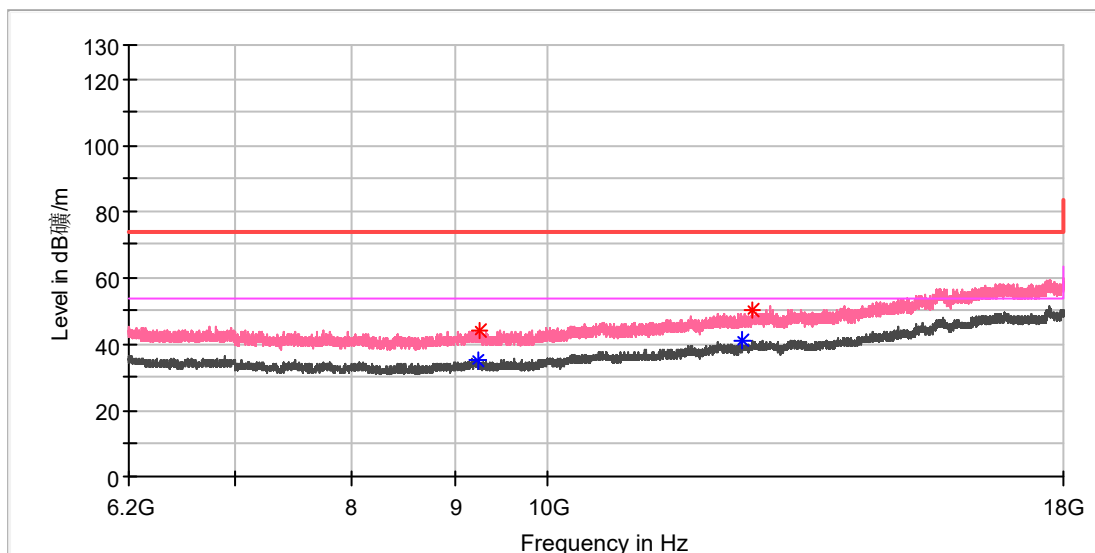
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9607.741667	---	38.14	54.00	15.86	150.0	H	180.0	10.4
9617.575000	44.47	---	74.00	29.53	150.0	H	278.0	10.4
11627.508333	---	39.13	54.00	14.87	150.0	H	0.0	13.3
11704.208333	47.66	---	74.00	26.34	150.0	H	156.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

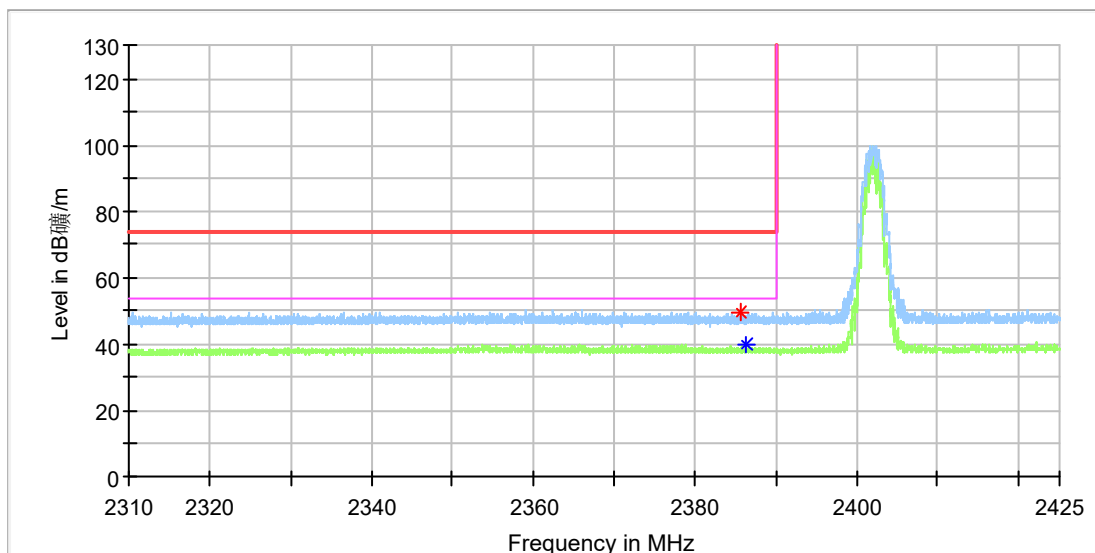
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9228.175000	---	35.36	54.00	18.64	150.0	V	185.0	10.7
9261.608333	44.02	---	74.00	29.98	150.0	V	81.0	10.5
12489.891667	---	40.83	54.00	13.17	150.0	V	22.0	14.6
12630.016667	50.28	---	74.00	23.72	150.0	V	57.0	15.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

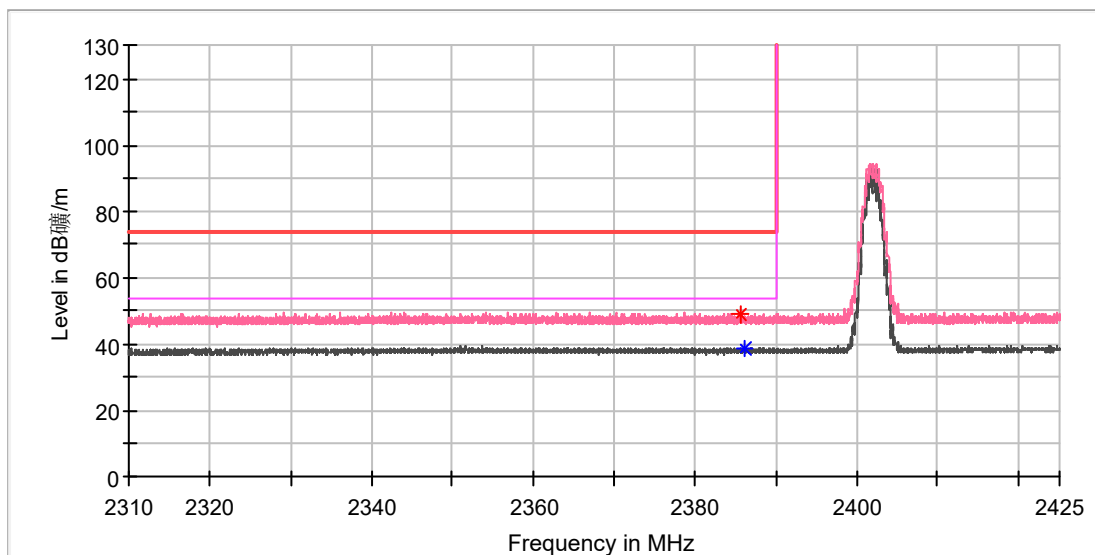
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.646324	49.40	---	74.00	24.60	150.0	H	134.0	7.0
2386.424265	---	39.79	54.00	14.21	150.0	H	331.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

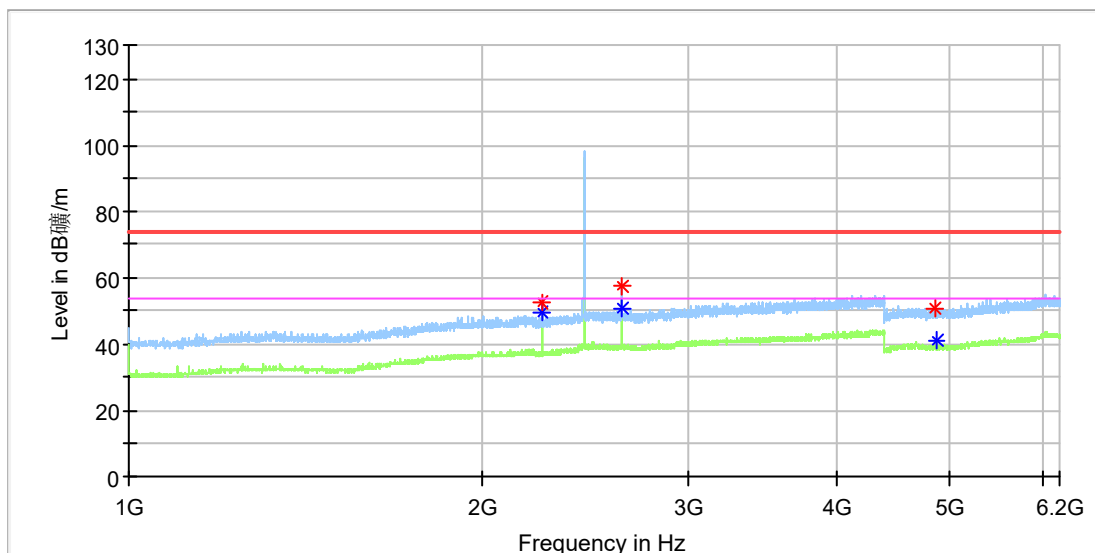
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.663235	48.94	---	74.00	25.06	150.0	V	11.0	7.0
2386.018382	---	38.89	54.00	15.11	150.0	V	162.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Mic-X Bluetooth
Model: MIC-X
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168490951/A003762173-001
Test Voltage: DC 3.3V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Lich Chen
Reviewed By: Terry Yin



Critical Freqs

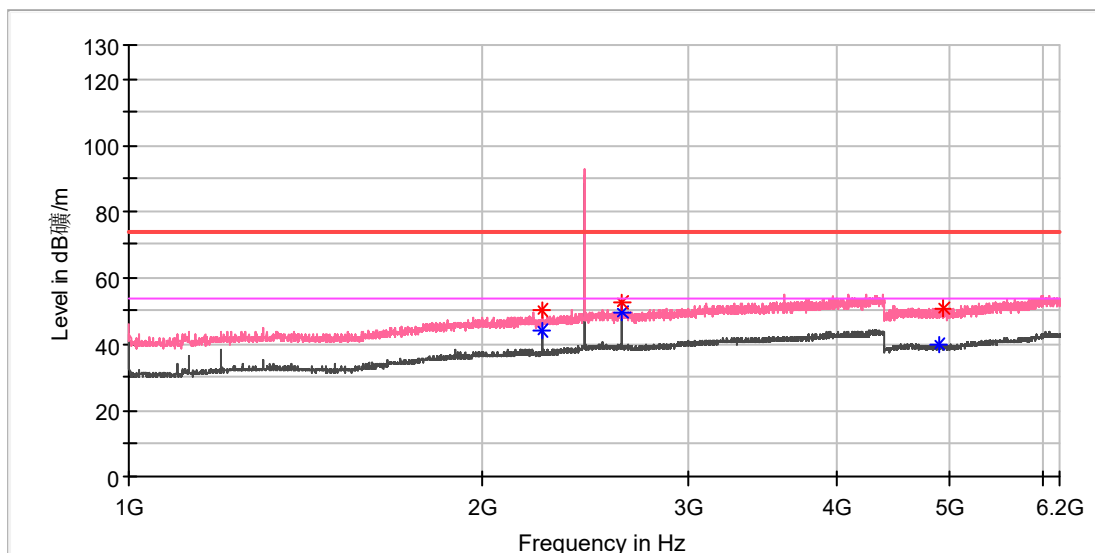
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2248.000000	---	49.63	54.00	4.37	150.0	H	50.0	6.4
2248.500000	52.75	---	74.00	21.25	150.0	H	50.0	6.5
2632.000000	57.18	---	74.00	16.82	150.0	H	71.0	7.5
2632.500000	---	50.95	54.00	3.05	150.0	H	71.0	7.5
4854.000000	50.54	---	74.00	23.46	150.0	H	102.0	11.8
4879.500000	---	41.38	54.00	12.62	150.0	H	166.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Mic-X Bluetooth
Model: MIC-X
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168490951/A003762173-001
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Lich Chen
Reviewed By: Terry Yin



Critical Freqs

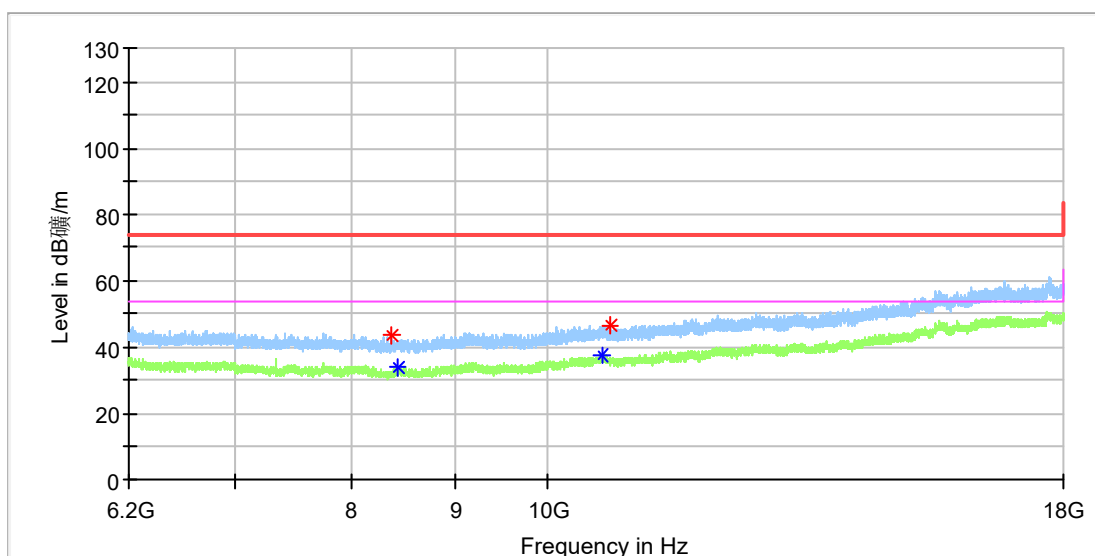
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2248.000000	50.14	---	74.00	23.86	150.0	V	110.0	6.4
2248.000000	---	44.01	54.00	9.99	150.0	V	110.0	6.4
2631.500000	52.64	---	74.00	21.36	150.0	V	97.0	7.5
2632.000000	---	49.36	54.00	4.64	150.0	V	97.0	7.5
4902.500000	---	39.90	54.00	14.10	150.0	V	17.0	11.8
4941.500000	50.99	---	74.00	23.01	150.0	V	11.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

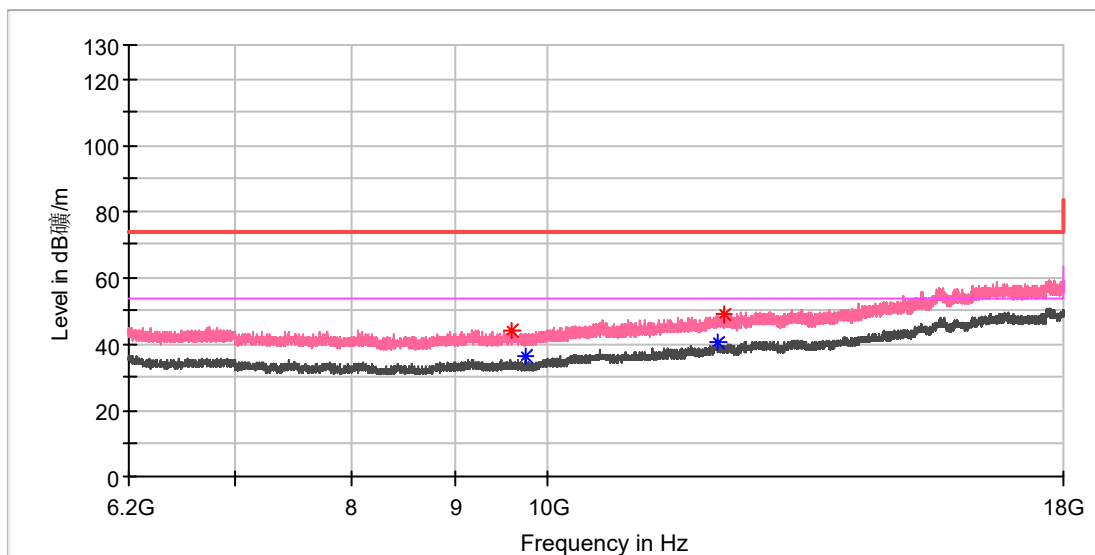
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8367.266667	43.23	---	74.00	30.77	150.0	H	130.0	8.9
8416.925000	---	33.67	54.00	20.33	150.0	H	277.0	9.2
10643.191667	---	37.60	54.00	16.40	150.0	H	68.0	12.0
10734.150000	46.79	---	74.00	27.21	150.0	H	0.0	11.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

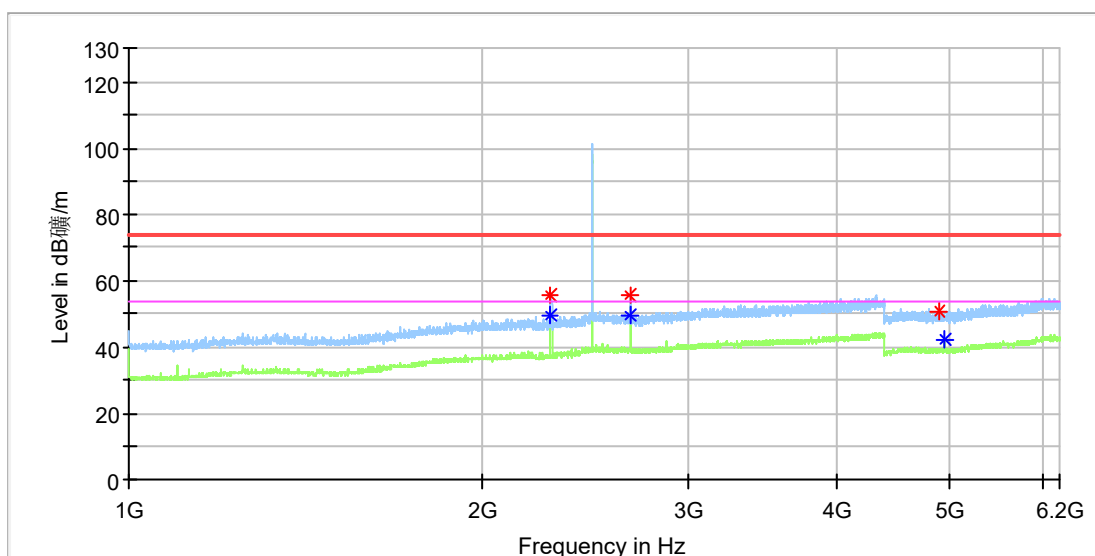
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9596.433333	43.90	---	74.00	30.10	150.0	V	325.0	10.3
9760.158333	---	36.33	54.00	17.67	150.0	V	325.0	10.4
12149.658333	---	40.71	54.00	13.29	150.0	V	20.0	14.4
12229.308333	49.09	---	74.00	24.91	150.0	V	352.0	14.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Mic-X Bluetooth
Model: MIC-X
Test Mode: BLE 1M_High channel
Order No/Sample No: 168490951/A003762173-001
Test Voltage: DC 3.3V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Lich Chen
Reviewed By: Terry Yin



Critical Freqs

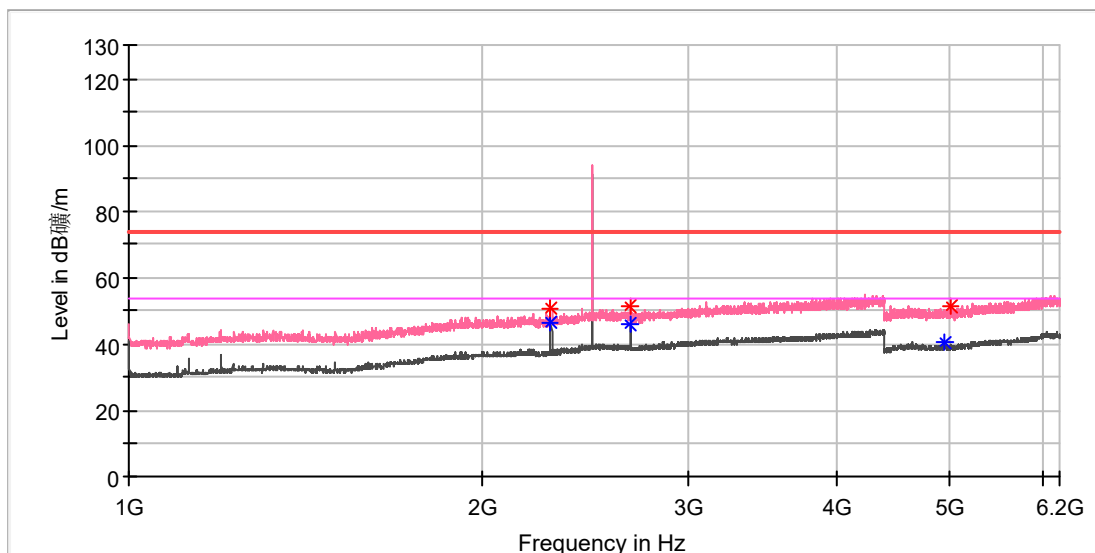
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2287.500000	---	49.87	54.00	4.13	150.0	H	132.0	6.4
2288.000000	55.64	---	74.00	18.36	150.0	H	132.0	6.4
2671.500000	55.36	---	74.00	18.64	150.0	H	132.0	7.5
2672.500000	---	49.35	54.00	4.65	150.0	H	137.0	7.5
4898.000000	50.67	---	74.00	23.33	150.0	H	0.0	11.8
4960.000000	---	42.56	54.00	11.44	150.0	H	125.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

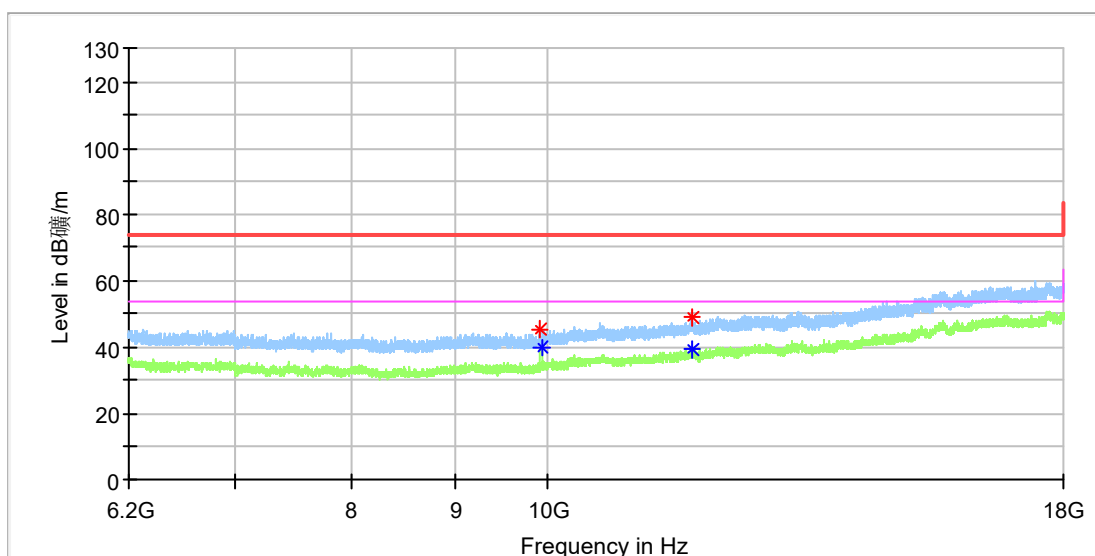
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2288.000000	---	46.69	54.00	7.31	150.0	V	276.0	6.4
2288.000000	50.68	---	74.00	23.32	150.0	V	276.0	6.4
2672.000000	51.09	---	74.00	22.91	150.0	V	92.0	7.5
2672.000000	---	45.92	54.00	8.08	150.0	V	92.0	7.5
4960.000000	---	40.78	54.00	13.22	150.0	V	84.0	11.8
5012.500000	51.53	---	74.00	22.47	150.0	V	1.0	11.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

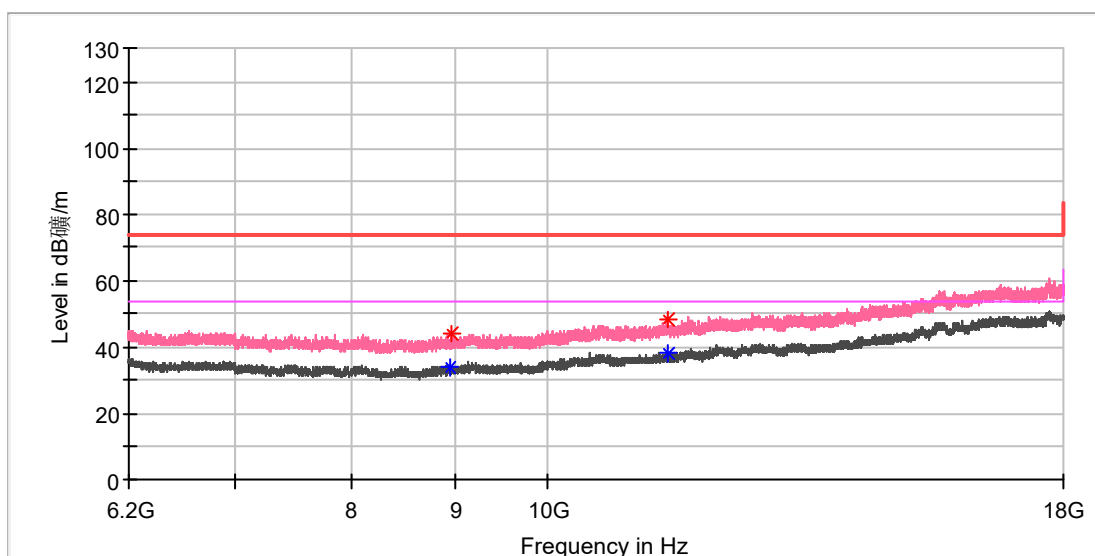
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9919.950000	45.28	---	74.00	28.72	150.0	H	158.0	10.8
9920.441667	---	40.14	54.00	13.86	150.0	H	145.0	10.8
11788.283333	---	39.43	54.00	14.57	150.0	H	97.0	13.4
11797.133333	48.97	---	74.00	25.03	150.0	H	337.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

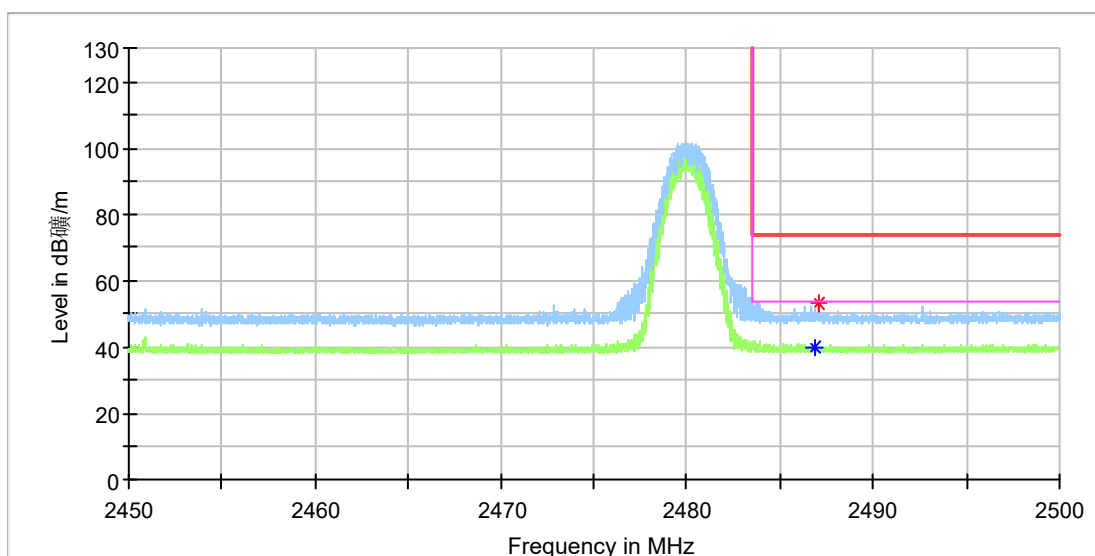
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8935.633333	---	34.06	54.00	19.94	150.0	V	174.0	9.5
8963.166667	43.97	---	74.00	30.03	150.0	V	52.0	9.4
11464.275000	---	38.21	54.00	15.79	150.0	V	0.0	13.5
11471.650000	48.56	---	74.00	25.44	150.0	V	137.0	13.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
Reviewed By:	Terry Yin



Critical Freqs

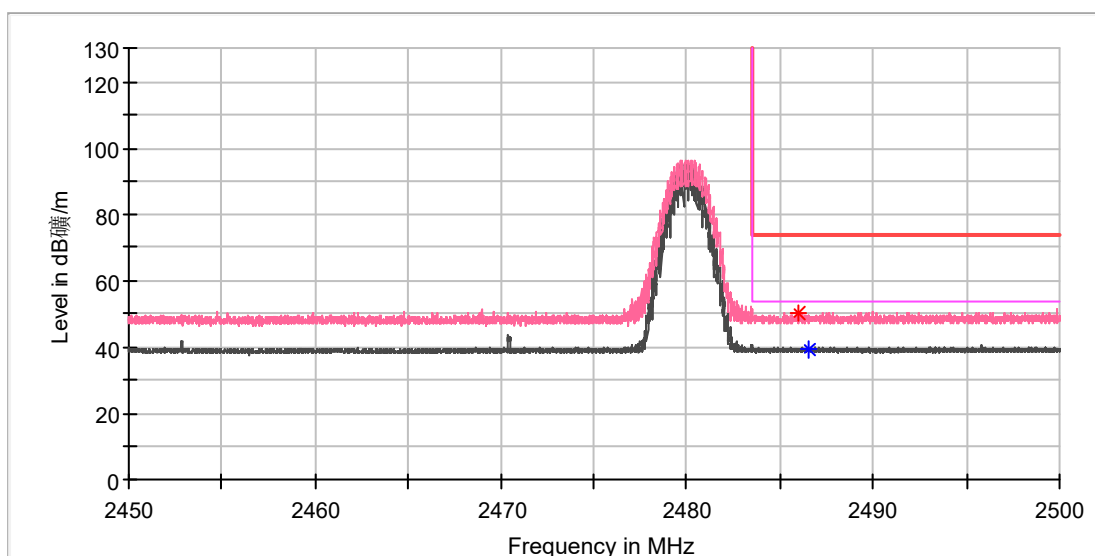
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.875000	---	40.15	54.00	13.85	150.0	H	137.0	7.4
2487.088235	52.99	---	74.00	21.01	150.0	H	195.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Mic-X Bluetooth
Model:	MIC-X
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168490951/A003762173-001
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Lich Chen
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)
2486.014706	50.02	---	74.00	23.98	150.0	V	254.0	7.4
2486.551471	---	39.50	54.00	14.50	150.0	V	68.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.8: Test Results of Conducted Emission on AC



Shenzhen UnionTrust Quality and Technology Co.,Ltd.

Site LAB
Limit: FCC Part15 CE-Class B_QP
EUT: Bluetooth Microphone Mic-X
M/N: 168490951
Mode: Test Mode 1: DC5V Charging +BT link(Connected sound)
Note:

Phase: **N**
Power: AC120V/60Hz
Temperature: 23.1 °C
Humidity: 53.3 %RH
Air Pressure: 100.5 kpa

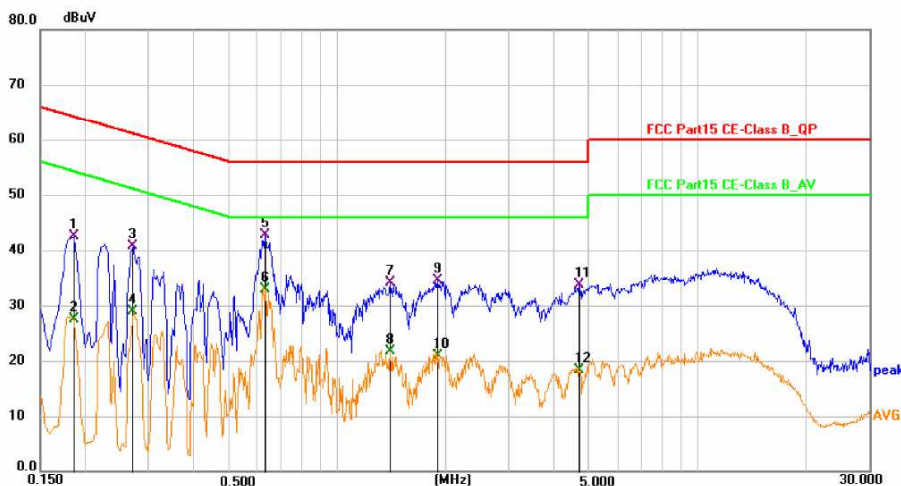
Conducted Emission Measurement

24070912575_168490951

Data :#1

Date: 2024/7/18

Time: 20:02:17



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1860	32.35	10.08	42.43	64.21	-21.78	QP	P	
2	0.1860	17.36	10.08	27.44	54.21	-26.77	AVG	P	
3	0.2714	30.54	10.09	40.63	61.07	-20.44	QP	P	
4	0.2714	18.85	10.09	28.94	51.07	-22.13	AVG	P	
5	0.6314	32.42	10.25	42.67	56.00	-13.33	QP	P	
6 *	0.6314	22.75	10.25	33.00	46.00	-13.00	AVG	P	
7	1.4054	23.90	10.23	34.13	56.00	-21.87	QP	P	
8	1.4054	11.45	10.23	21.68	46.00	-24.32	AVG	P	
9	1.9050	24.17	10.32	34.49	56.00	-21.51	QP	P	
10	1.9050	10.56	10.32	20.88	46.00	-25.12	AVG	P	
11	4.7084	23.42	10.28	33.70	56.00	-22.30	QP	P	
12	4.7084	7.98	10.28	18.26	46.00	-27.74	AVG	P	

*:Maximum data x:Over limit !:over margin

24070912575_168490951Data :#1

Page: 1

Engineer Signature:

linson



Shenzhen UnionTrust Quality and Technology Co.,Ltd.

Site LAB Phase: **L1** Temperature: 23.1 °C
Limit: FCC Part15 CE-Class B_QP Power: AC120V/60Hz Humidity: 53.3 %RH
EUT: Bluetooth Microphone Mic-X Air Pressure: 100.5 kpa
M/N: 168490951
Mode: Test Mode 1: DC5V Charging +BT link(Connected sound)
Note:

Conducted Emission Measurement

24070912575_168490951

Data :#2

Date: 2024/7/18

Time: 20:03:59



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1815	31.47	10.18	41.65	64.42	-22.77	QP	P	
2	0.1815	19.10	10.18	29.28	54.42	-25.14	AVG	P	
3	0.3120	25.75	10.20	35.95	59.92	-23.97	QP	P	
4	0.3120	16.54	10.20	26.74	49.92	-23.18	AVG	P	
5	0.6315	28.58	10.19	38.77	56.00	-17.23	QP	P	
6 *	0.6315	20.74	10.19	30.93	46.00	-15.07	AVG	P	
7	1.8555	20.95	10.24	31.19	56.00	-24.81	QP	P	
8	1.8555	4.78	10.24	15.02	46.00	-30.98	AVG	P	
9	4.5780	21.42	10.23	31.65	56.00	-24.35	QP	P	
10	4.5780	7.23	10.23	17.46	46.00	-28.54	AVG	P	
11	12.3764	25.87	10.50	36.37	60.00	-23.63	QP	P	
12	12.3764	7.46	10.50	17.96	50.00	-32.04	AVG	P	

*:Maximum data x:Over limit !:over margin

24070912575_168490951>Data :#2

Page: 1

Engineer Signature: linson