

Prüfbericht-Nr.: Test report no.:	CN24MUZ8 001	Auftrags-Nr.: Order no.:	168509606	Seite 1 von 23 Page 1 of 23
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2024-10-22	
Auftraggeber: Client:	AISolution Co., Ltd. 28-4, Samyang-ro 29-gil, Gangbuk-gu, Seoul, Republic of Korea 01194			
Prüfgegenstand: Test item:	WBM-XC6P-SC			
Bezeichnung / Typ-Nr.: Identification / Type no.:	WBM-XC6P-SC			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209			
Wareneingangsdatum: Date of sample receipt:	2024-10-23	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no:	A003844419-003~006 A003844428-001~003			
Prüfzeitraum: Testing period:	2024-11-13 - 2025-04-24			
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:	☒ <u>Jonathan Li</u>		genehmigt von: authorized by:	☒ <u>Bell Hu</u>
Datum: Date:	2025-04-25	Signed by: Jonathan Li	Ausstellungsdatum: Issue date:	2025-04-25 Signed by: Bell Hu
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: VH9-WBM-XC6P-SC This report for Lora function.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* 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			
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Anmerkungen
Remarks

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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.</i> <i>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 CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 20dB BANDWIDTH

RESULT: Pass

5.1.4 99% BANDWIDTH

RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: Pass

5.1.6 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.8 TIME OF OCCUPANCY

RESULT: Pass

5.1.9 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.10 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.

Appendix B: Photographs of the Test Set-up.

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China

FCC Registration No.: CN1260

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Signal and spectrum analyzer	Rohde & Schwarz	FSV3030	101576	2024-10-31	2025-10-30
Signal Analyzer	R&S	FSV 40	101441	2024-09-26	2025-09-25
OSP	R&S	OSP 150	101017	2024-10-31	2025-10-30
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A	N/A
Test Software	R&S	WMS32 (V11.00.00)	N/A	N/A	N/A
Power Meter	R&S	NRP2	107105	2024-10-31	2025-10-30
Wideband Power Sensor	R&S	NRP-Z81	105677	2024-09-26	2025-09-25
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101439	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2024-09-29	2025-09-28
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180070	2024-09-29	2025-09-28
Amplifier	R&S	SCU40A	100475	2024-09-29	2025-09-28
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2025-09-27
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2025-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2025-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2025-09-27

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Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13
Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until	
EMI Test Receiver	R&S	ESR3	102428	2025-07-22	
Artificial Mains Network	R&S	ENV432	101546	2025-02-22	
Impedance Stabilisation Network	R&S	ENY81-CA6	101810	2025-07-22	

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
All emissions, radiated	± 4.17 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 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, 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 Smartcase Extended Battery Pack, which supports Bluetooth LE and Lora wireless technologies. The bluetooth and Lora cannot work when charging.

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:	WBM-XC6P-SC
Type Designation:	WBM-XC6P-SC
FCC ID:	VH9-WBM-XC6P-SC
Operating Voltage:	DC 3.85V via internal battery
Testing Voltage:	Fully charged battery
Operating Temperature Range:	0 °C ~ 65 °C
Technical Specification of Lora	
Frequency Range:	902 MHz – 920 MHz
Type of Modulation:	FSK
Channel Number:	60 channels
Channel Separation:	300KHz
Antenna Type:	PIFA Antenna
Antenna Gain:	2.4 dBi (Provided by the Client)
Technical Specification of Bluetooth LE	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2MHz
Data Rate:	1Mbps
Test Channel:	2402 MHz, 2440 MHz, 2480 MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	5 dBi (Provided by the Client)

Table 4: RF Channel and Frequency of LORA

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	902.3	15	906.8	30	911.3	45	915.8
1	902.6	16	907.1	31	911.6	46	916.1
2	902.9	17	907.4	32	911.9	47	916.4
3	903.2	18	907.7	33	912.2	48	916.7
4	903.5	19	908	34	912.5	49	917
5	903.8	20	908.3	35	912.8	50	917.3
6	904.1	21	908.6	36	913.1	51	917.6
7	904.4	22	908.9	37	913.4	52	917.9
8	904.7	23	909.2	38	913.7	53	918.2
9	905	24	909.5	39	914	54	918.5
10	905.3	25	909.8	40	914.3	55	918.8
11	905.6	26	910.1	41	914.6	56	919.1
12	905.9	27	910.4	42	914.9	57	919.4
13	906.2	28	910.7	43	915.2	58	919.7
14	906.5	29	911	44	915.5	59	920

Test frequencies are lowest channel: 902.3MHz, middle channel: 911.3MHz and highest channel: 920MHz for LORA.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Lora transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. Charging+LORA connecting
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- PCB Layout
- Block Diagram
- ID Label and Location Info
- Schematics

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 WBM-XC6P-SC 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)

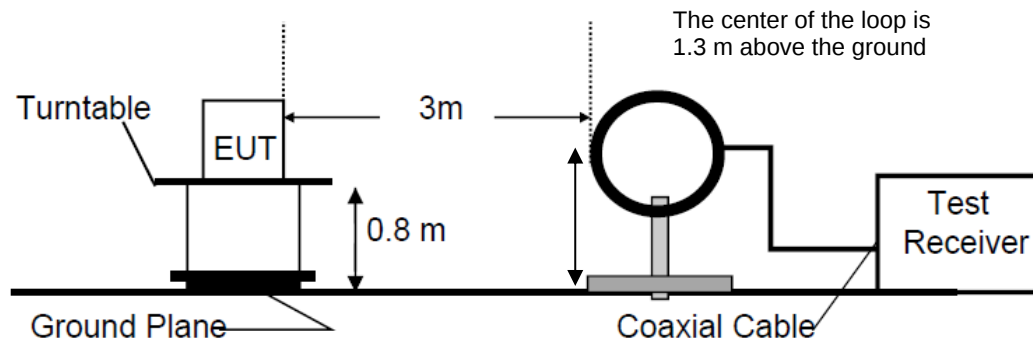


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

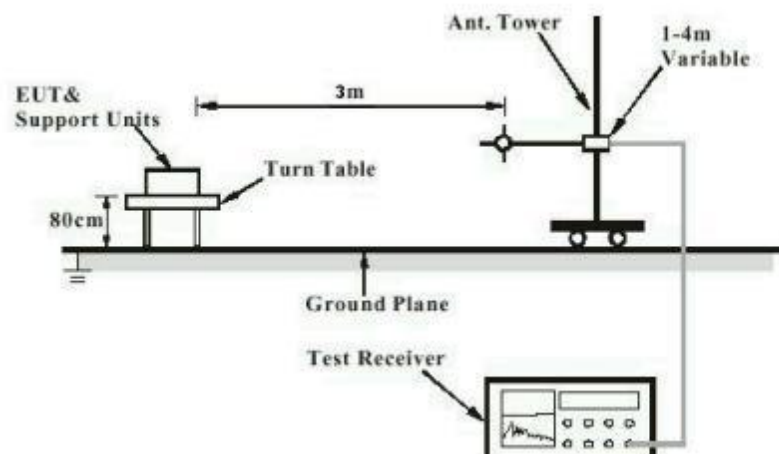


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

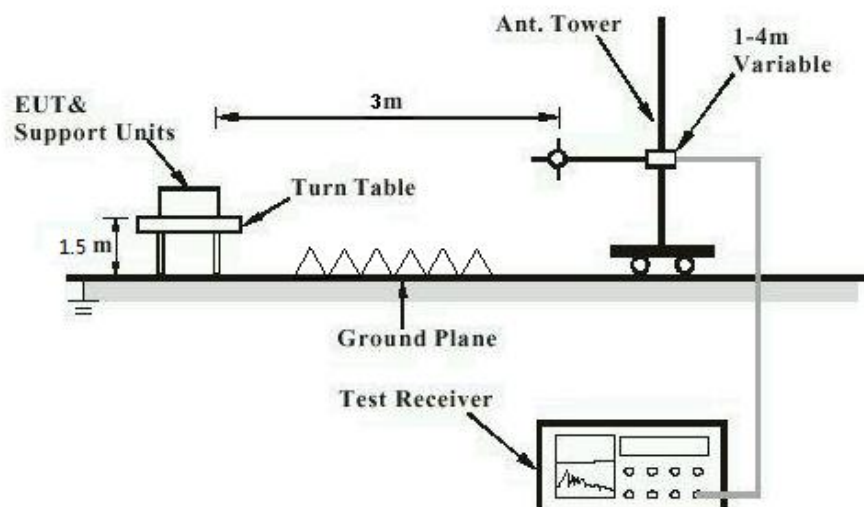


Diagram of Measurement Configuration for Mains Conduction Measurement

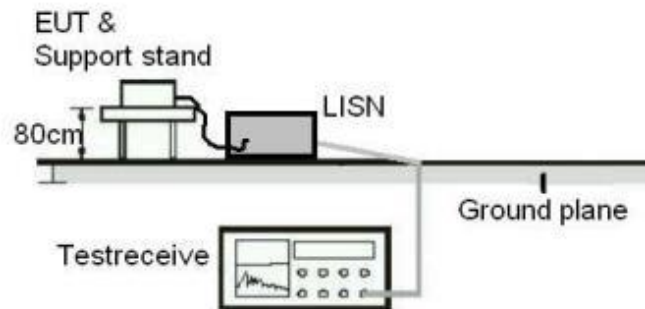
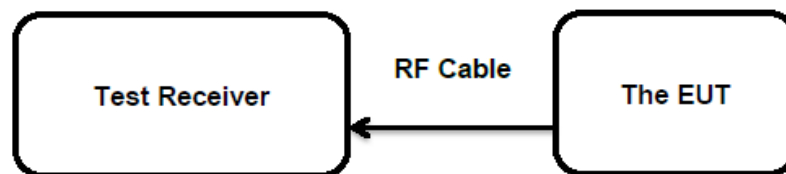


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declared, the EUT has a PIFA antenna, the directional gain of antenna is 2.4dBi, 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 Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(b)(2)&(3)
Basic standard	: ANSI C63.10: 2013
Limits	: < 1.0 W (30 dBm)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-11-13 - 2025-04-24
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 45 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Conducted Output Power

Test Mode	Test Channel (MHz)	Measured Peak Conducted Power		Limit
		(dBm)	(W)	
Lora	902.3	26.65	0.4624	< 1.0 W (30 dBm)
	911.3	26.68	0.4656	
	920.0	26.92	0.4920	
Maximum Measured Value		26.92	0.4920	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 2.4 dBi

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5.1.3 20dB Bandwidth

ESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1) (i)
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-11-13 - 2025-04-24
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

Table 7: Test Result of 20dB Bandwidth

Test Mode	Test Channel (MHz)	20dB Bandwidth (kHz)	Limit (kHz)
Lora	902.3	4.24	<250
	911.3	3.39	
	920.0	3.33	
Maximum Measured Value		4.24	

For the measurement records, refer to the appendix A.

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5.1.4 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 : 2024-11-13 - 2025-04-24
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

Table 8: Test Result of 99% Bandwidth

Test Mode	Test Channel (MHz)	99% Bandwidth (kHz)	Limit (kHz)
Lora	902.3	4.203	/
	911.3	3.659	
	920.0	3.067	
Maximum Measured Value		4.203	

For the measurement records, refer to the appendix A.

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Page 17 of 23**5.1.5 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	: 2024-11-13 - 2025-04-24
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 45 %
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.

5.1.6 Carrier Frequency Separation

RESULT: Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 25 kHz or 20dB bandwidth, whichever is greater
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-11-13 - 2025-04-24
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

Table 9: Test Result of Carrier Frequency Separation

Test Mode	Channel	Measured Channel Separation (kHz)	Limit (kHz)	Result
Lora	Low Channel	303.0	≥ 20dB bandwidth	Pass
	Adjacency Channel			
	Middle Channel	303.0		Pass
	Adjacency Channel			
	High Channel	300.0		Pass
	Adjacency Channel			
	Adjacency Channel			

Note: The limit is minimum 20 dB bandwidth: 0.684kHz.

For the measurement records, refer to the appendix A.

5.1.7 Number of Hopping Frequency

RESULT: Pass

Test Specification

Test standard : FCC part 15.247(a)(1)(i)
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-11-13 - 2025-04-24
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

Table 10: Test Result of Number of Hopping Frequency

Test Mode	Hopping frequencies	Limit
Lora hopping	60	>50

For the measurement records, refer to the appendix A.

5.1.8 Time of Occupancy

RESULT: Pass

Test Specification

Test standard : FCC part 15.247(a)(1)(i)
Basic standard : ANSI C63.10: 2013
Limit : < 0.4s
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-11-13 - 2025-04-24
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 45 %
Atmospheric pressure : 101 kPa

Table 11: Test Result of Channel Occupancy

Test Mode	Test Channel (MHz)	Period (s)	Channel Occupancy Time (ms)	Limit (ms)
Lora	902.3	20	320	400
	911.3	20	320	
	920.0	20	320	

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: **CN24MUZ8 001**
Test Report No.:Seite 21 von 23
Page 21 of 23

5.1.9 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	: 2024-11-13
Input voltage	: Fully charged battery
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.

This test have considered of Bluetooth and LORA operating simultaneously.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN24MUZ8 001
Test Report No.:

Seite 22 von 23
Page 22 of 23

5.1.10 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.207
Basic standard	: ANSI C63.10: 2013
Frequency range	: 150KHz - 30MHz
Limits	: FCC Part 15.207(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-11-13
Input voltage	: AC 120V/60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 24.3 °C
Relative humidity	: 52.4 %
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.

7 List of Tables

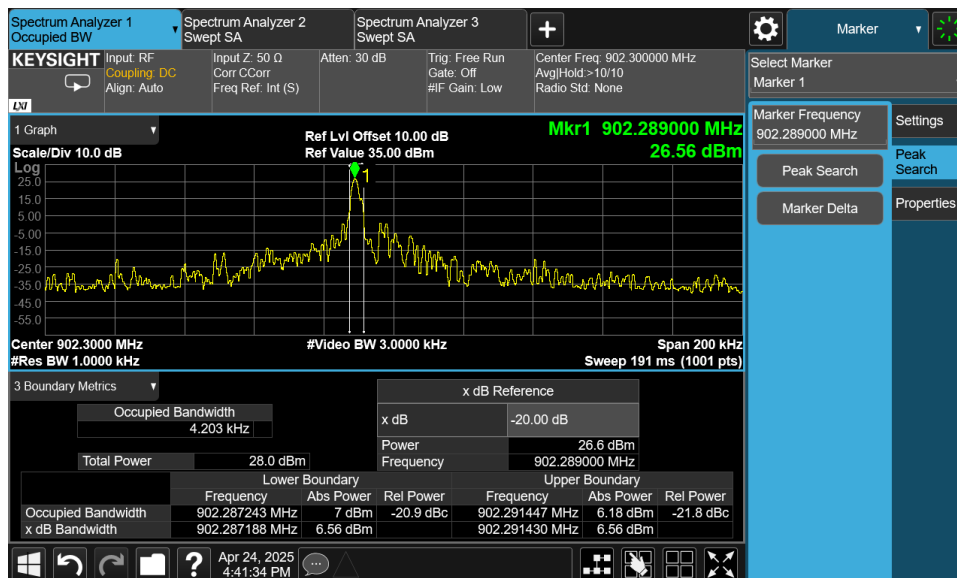
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Appendix A: Test Results

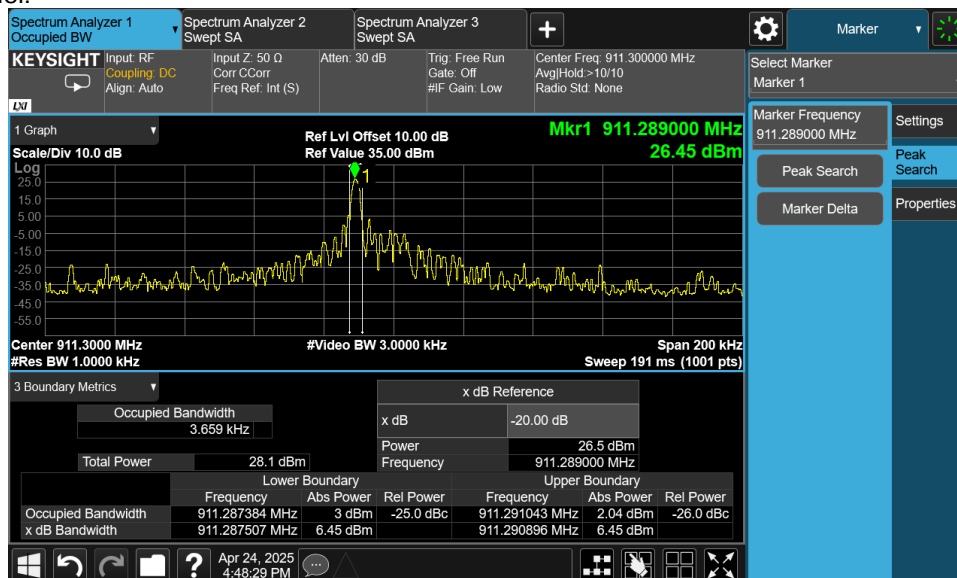
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Appendix A.1: Test Results of 20dB Bandwidth

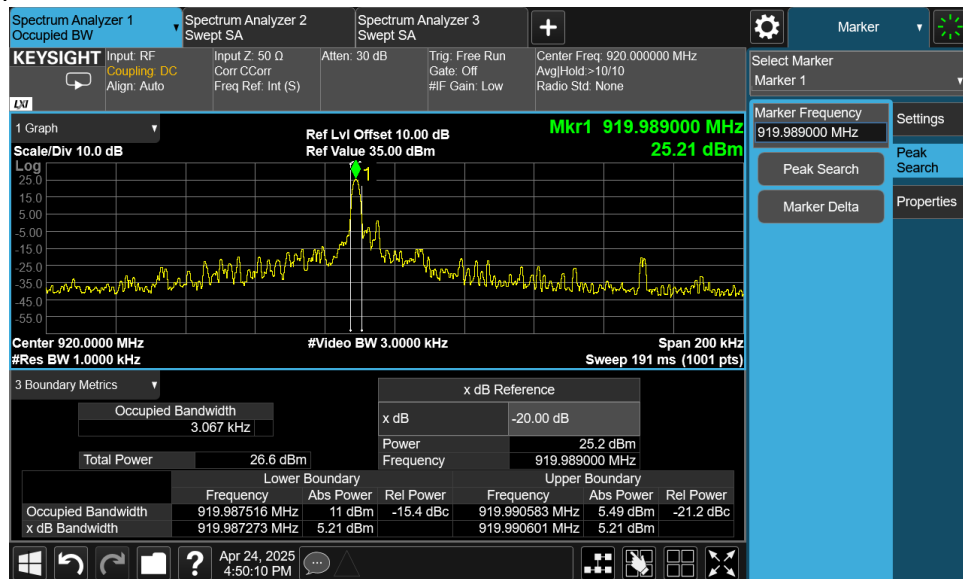
Low Channel:



Middle Channel:

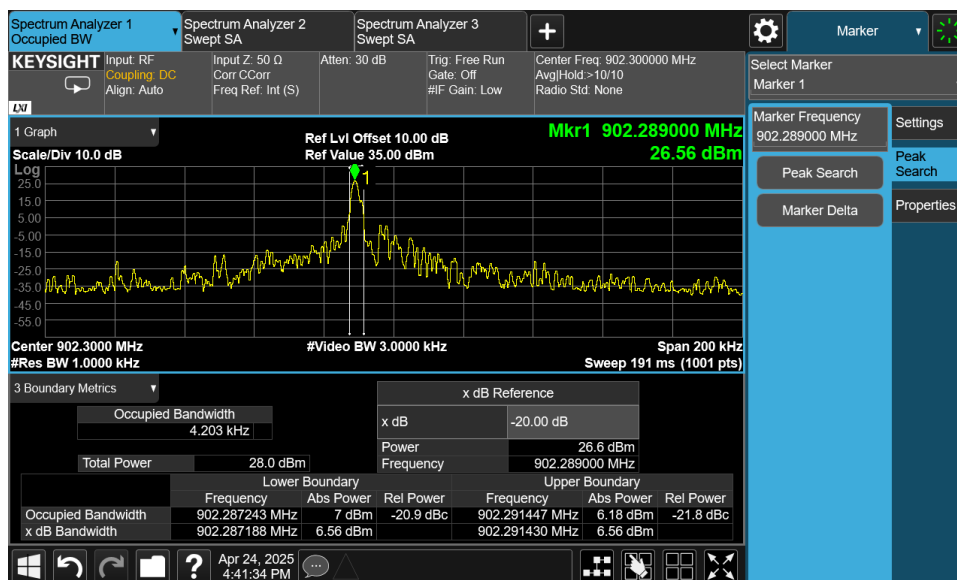


High Channel:

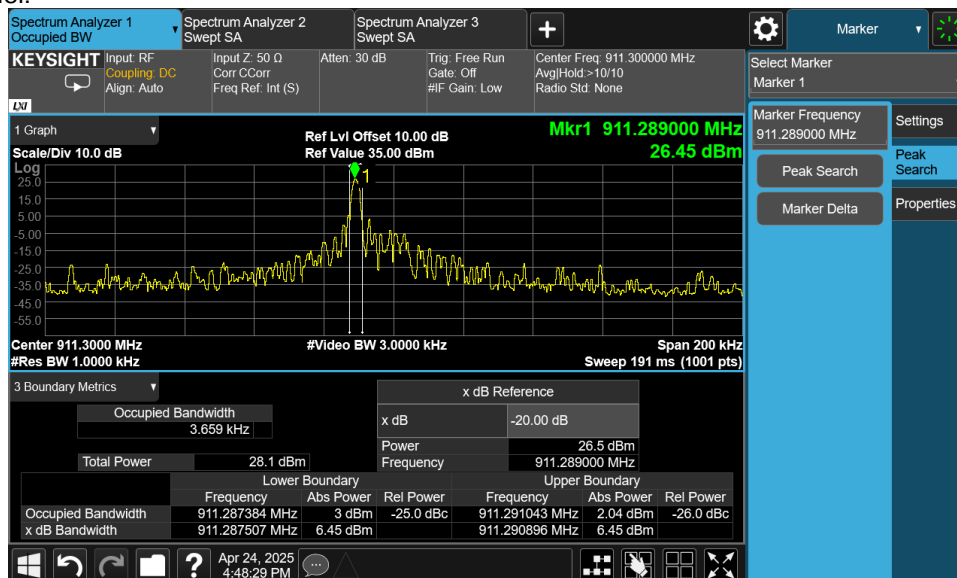


Appendix A.2: Test Results of 99% Bandwidth

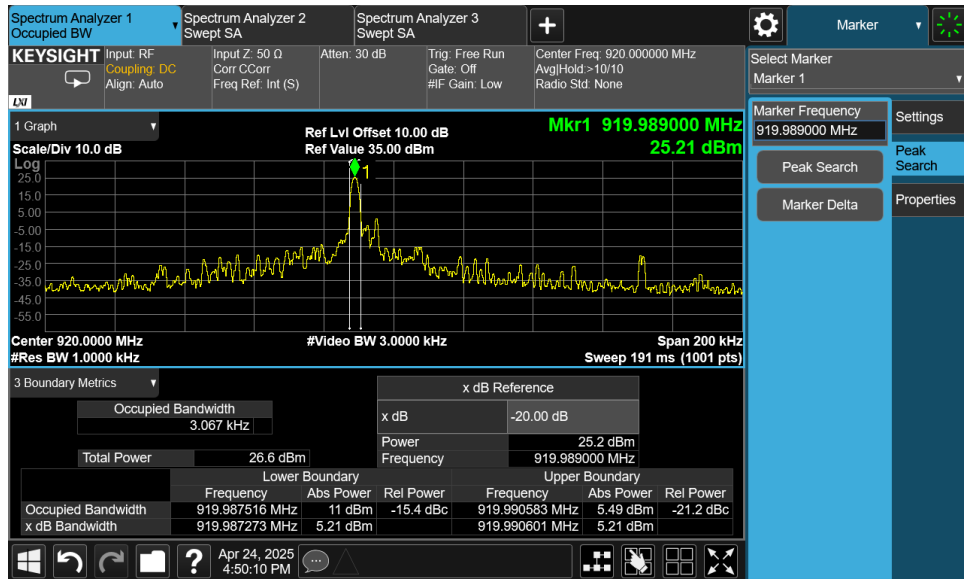
Low Channel:



Middle Channel:

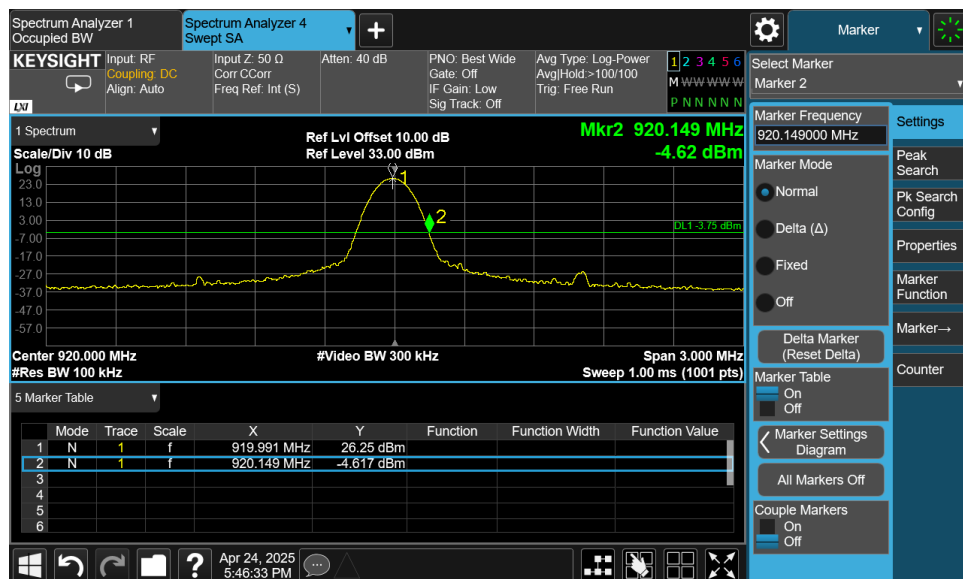
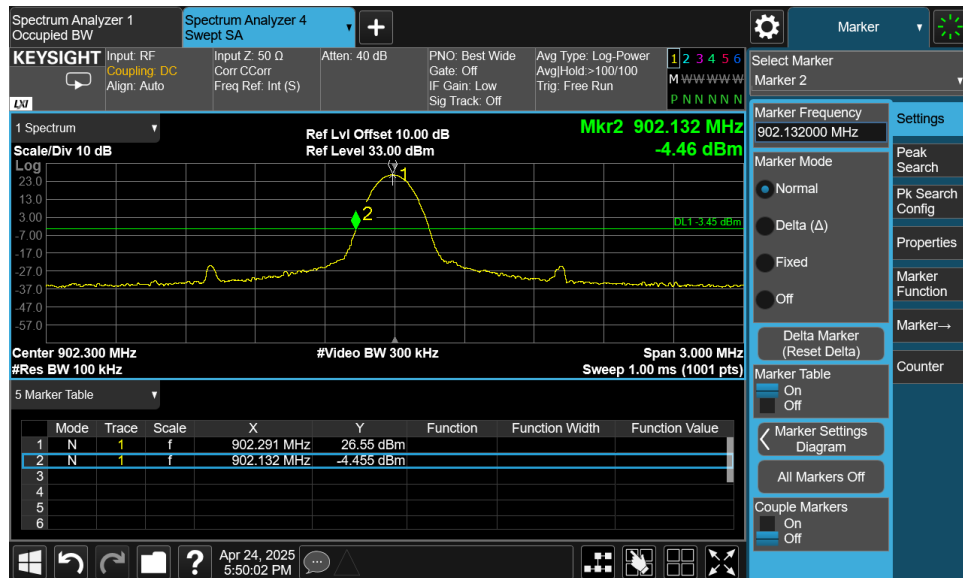


High Channel:

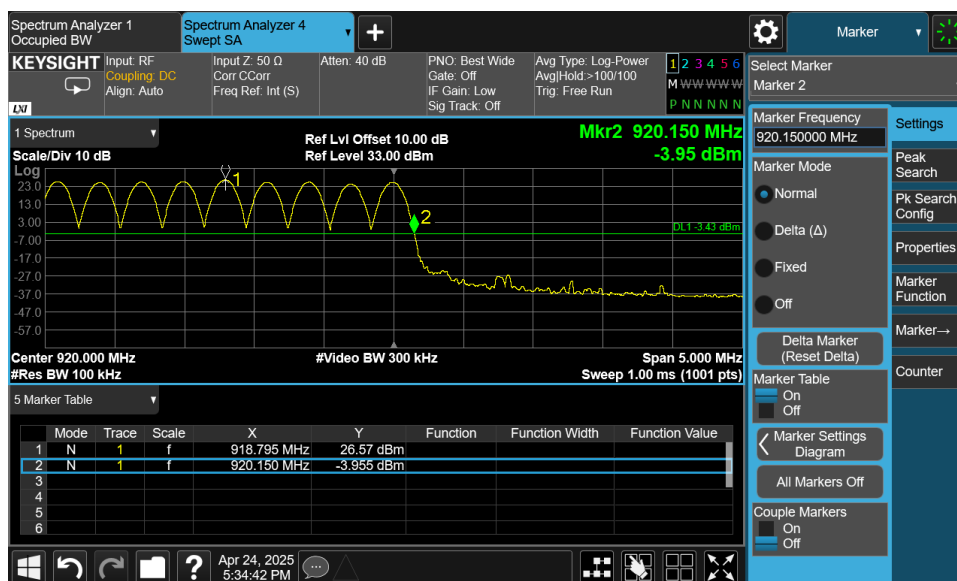
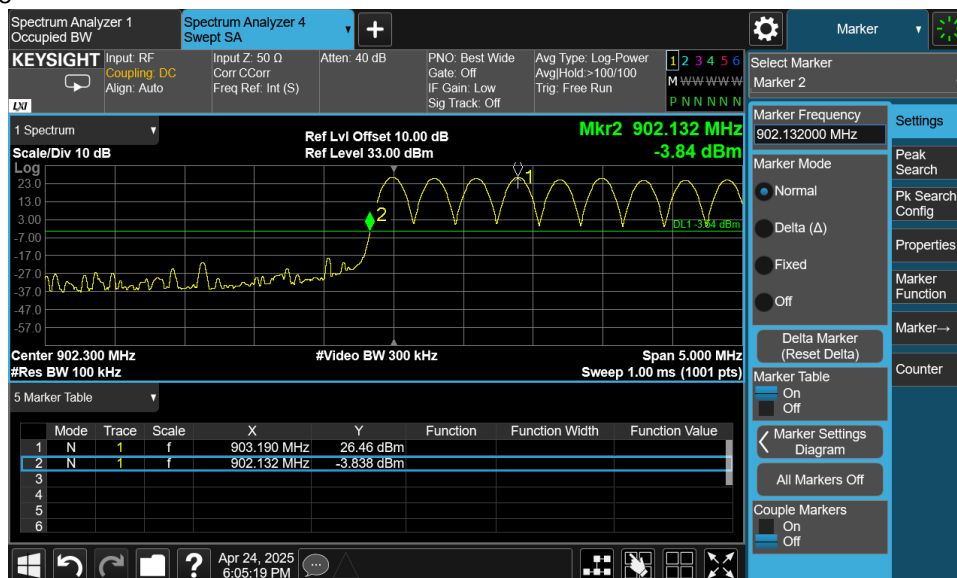


Appendix A.3: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

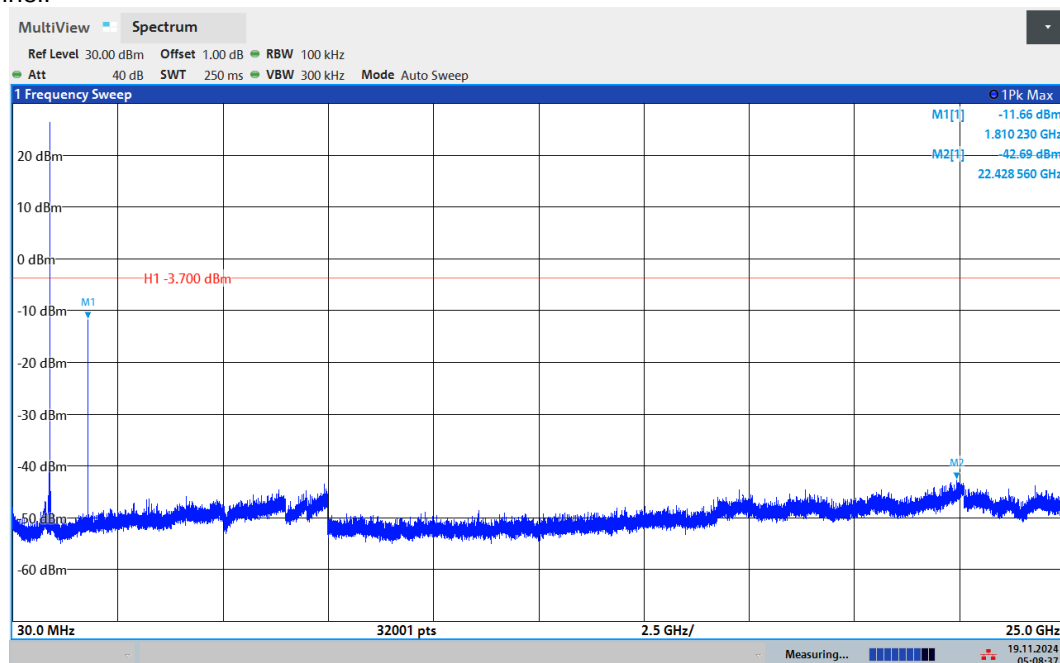


Hopping mode

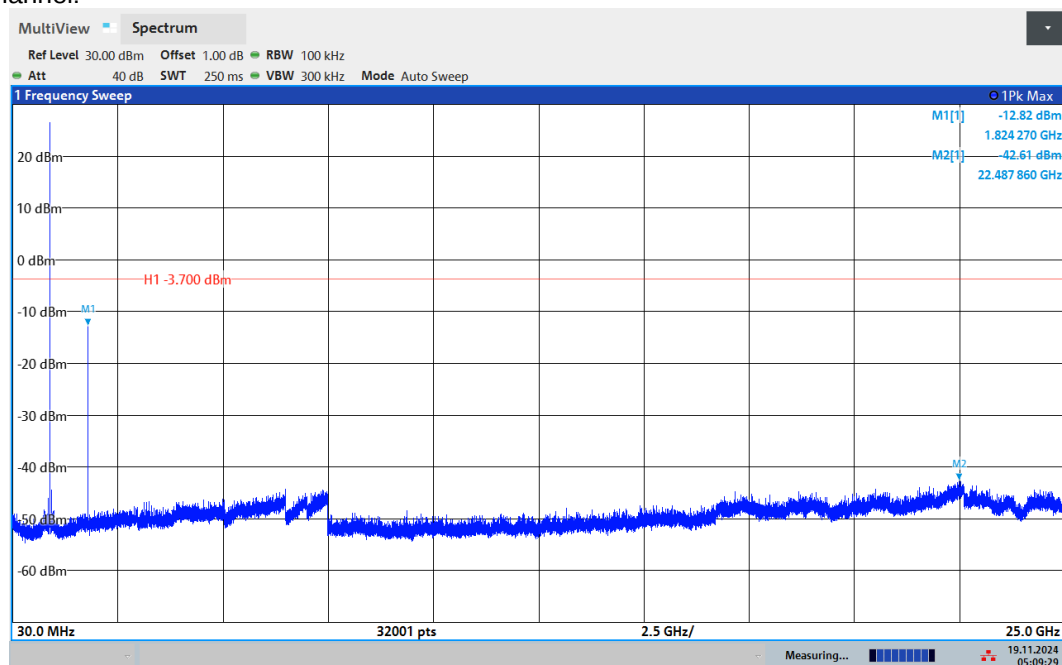


Conducted Spurious Emission

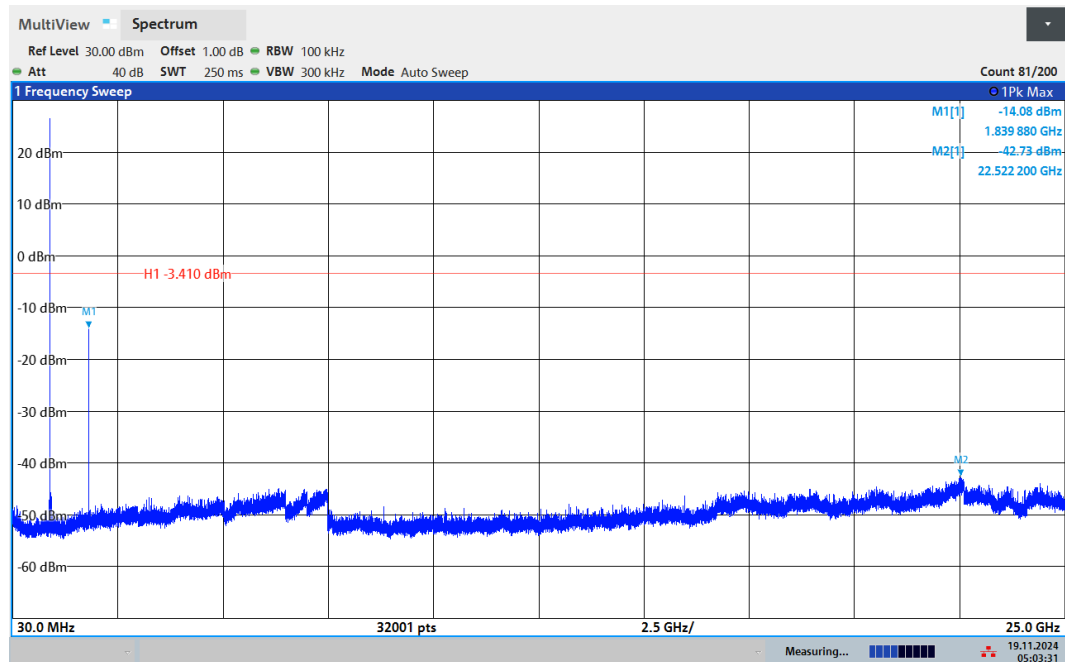
Low Channel:



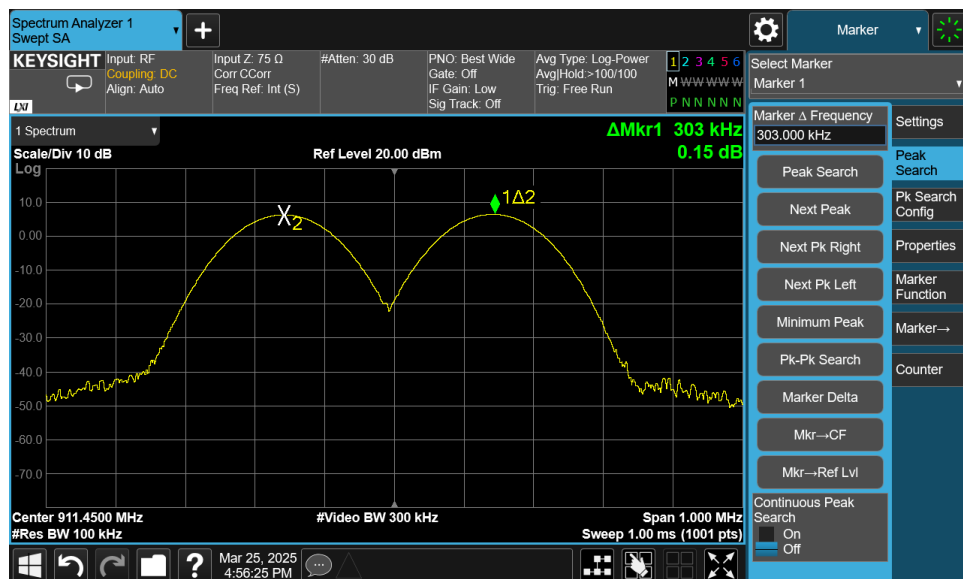
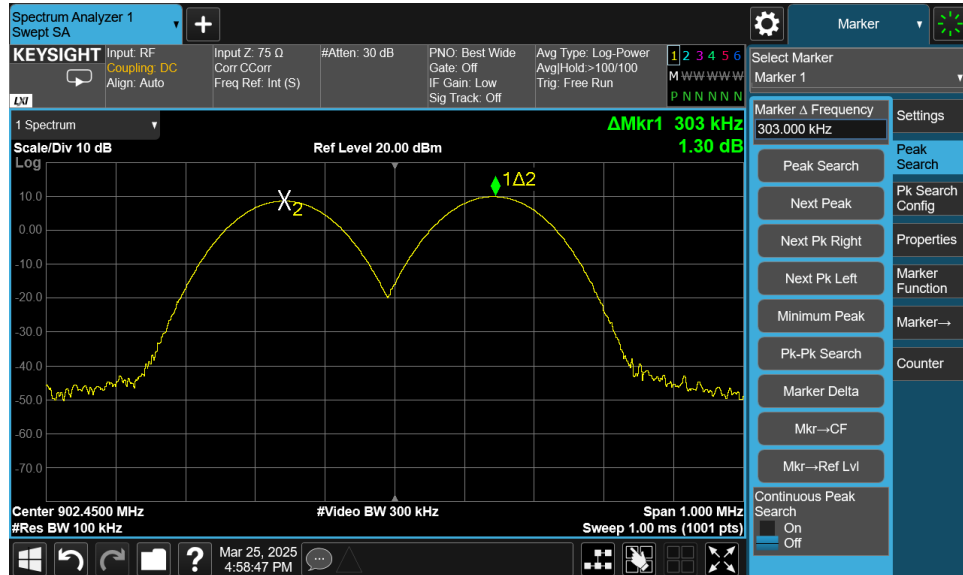
Middle Channel:



High Channel:

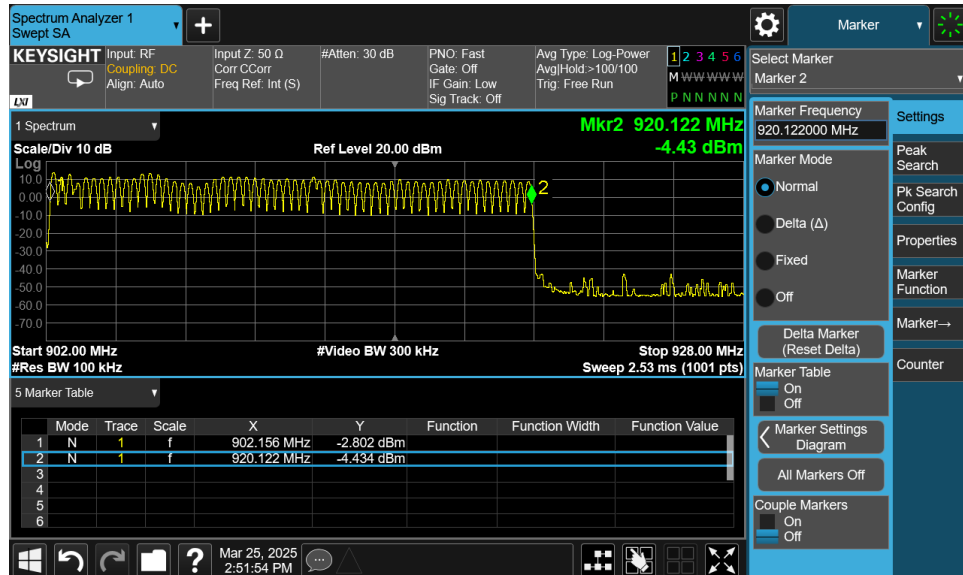


Appendix A.4: Test Results of Carrier Frequency Separation



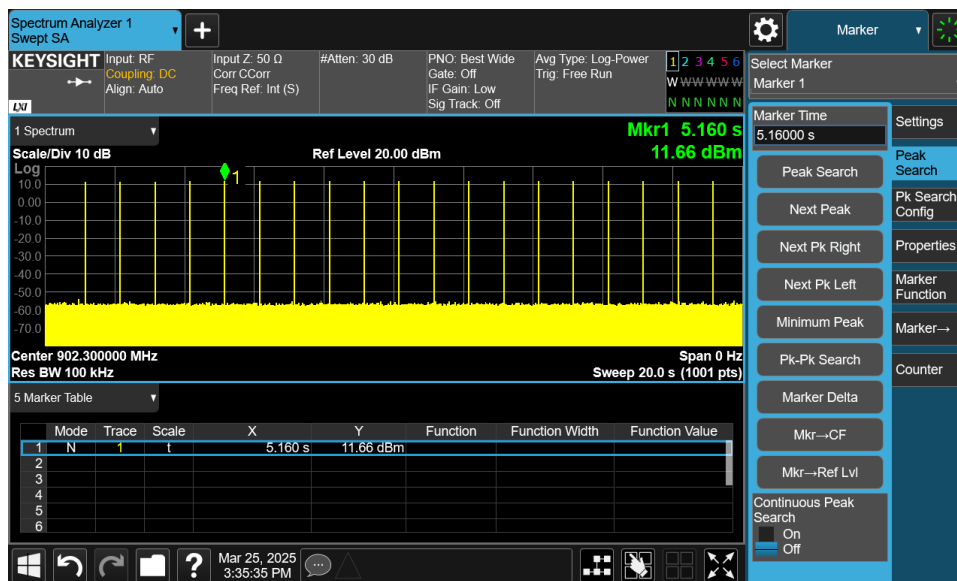
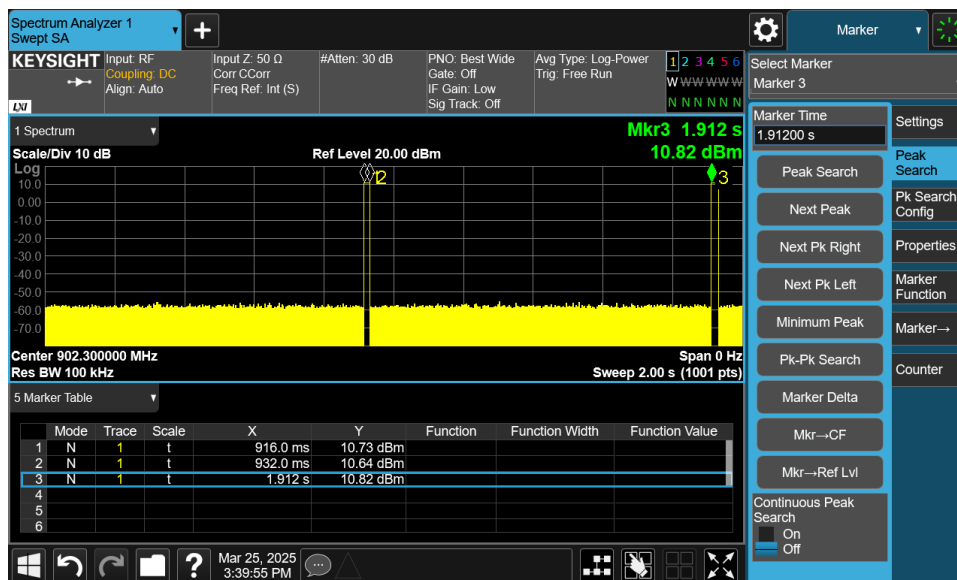


Appendix A.5: Test Results of Number of Hopping Frequency

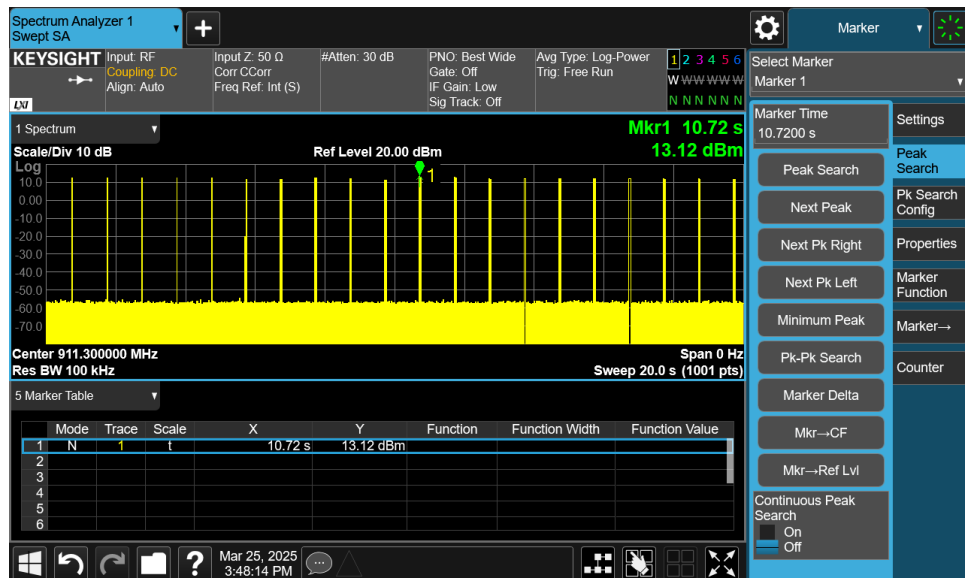
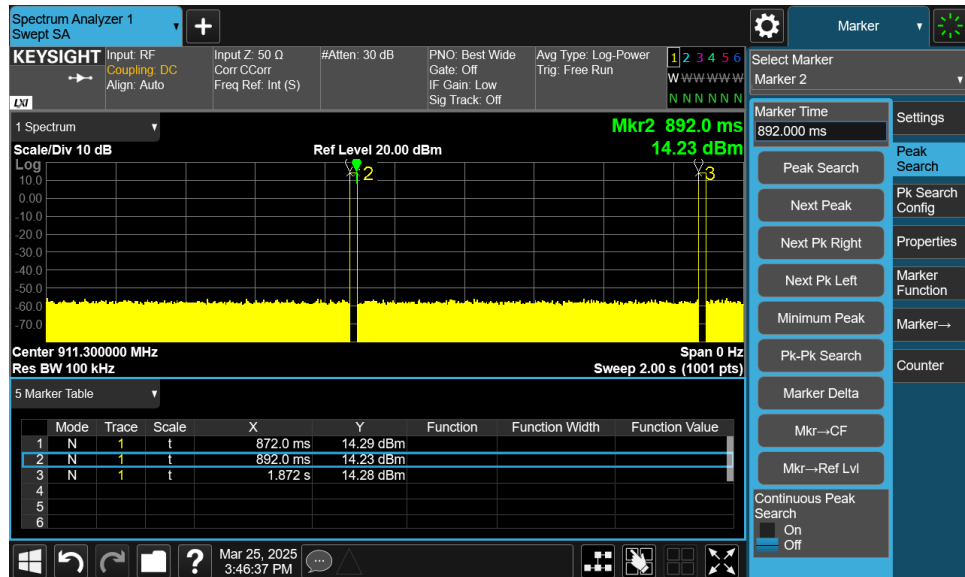


Appendix A.6: Test Results of Time of Occupancy

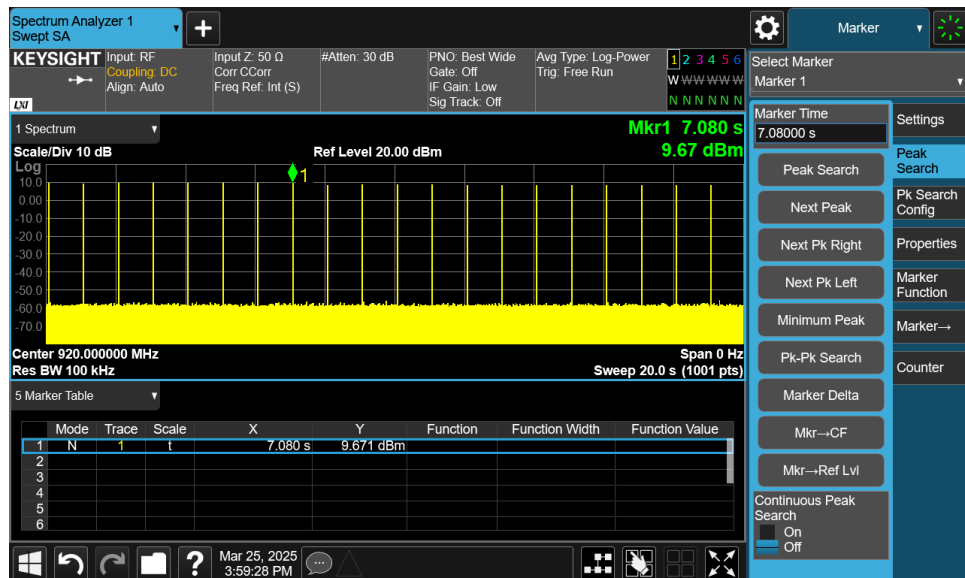
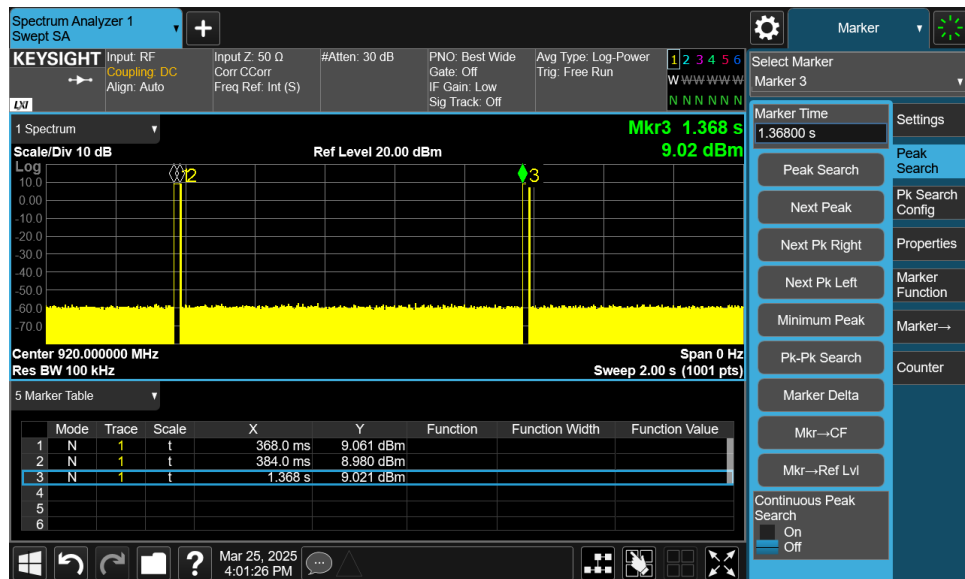
Low channel



Middle channel



High channel



Appendix A.7: Test Results of Radiated Spurious Emissions

Note:

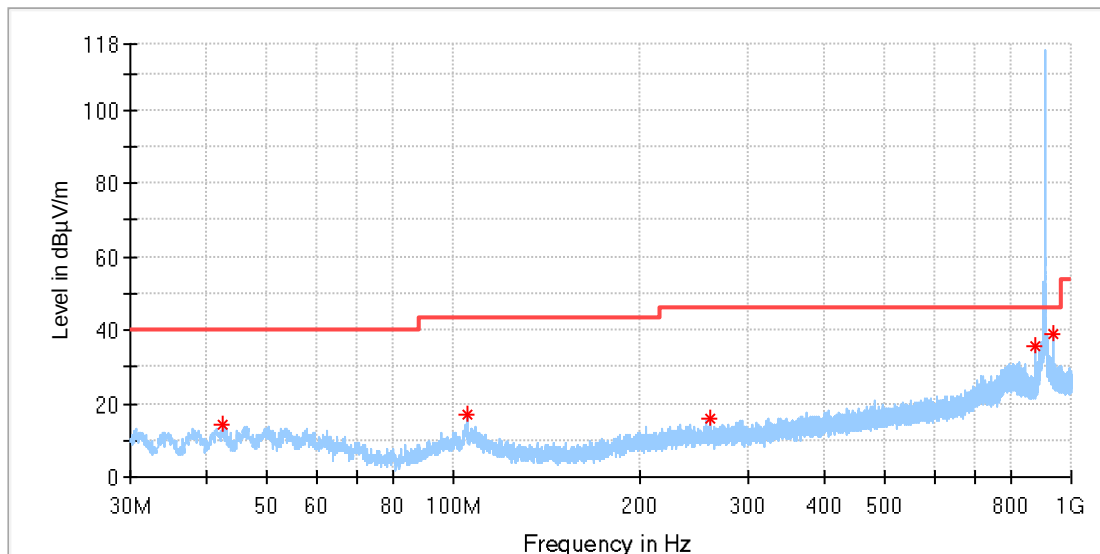
- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 10GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 10GHz were reported.

30 MHz - 1GHz

Note: The highest waveform in the figure is Lora Fundamental.

EUT Information

EUT Name:	WBM-XC6P-SC
Model:	WBM-XC6P-SC
Test Mode:	Lora 902.3MHz
Order No/Sample No:	168509606/A003844419-004
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

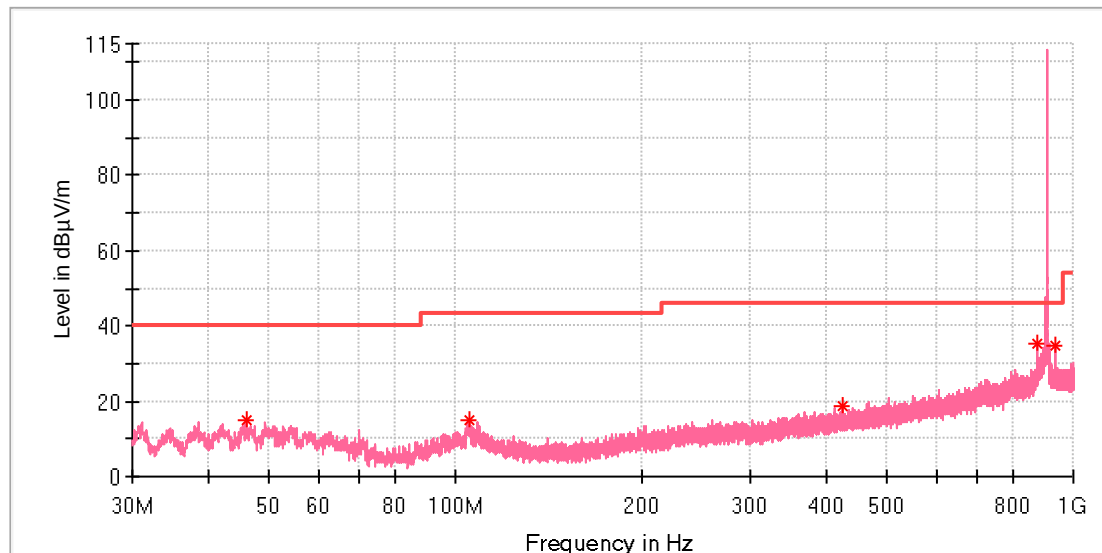
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.460769	14.15	40.00	25.85	100.0	H	298.0	-19.6
105.286923	17.00	43.50	26.50	100.0	H	283.0	-18.9
260.001923	15.96	46.00	30.04	100.0	H	298.0	-17.1
873.004615	35.40	46.00	10.60	100.0	H	291.0	-5.1
937.024615	38.86	46.00	7.14	100.0	H	261.0	-4.4

Final Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 902.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

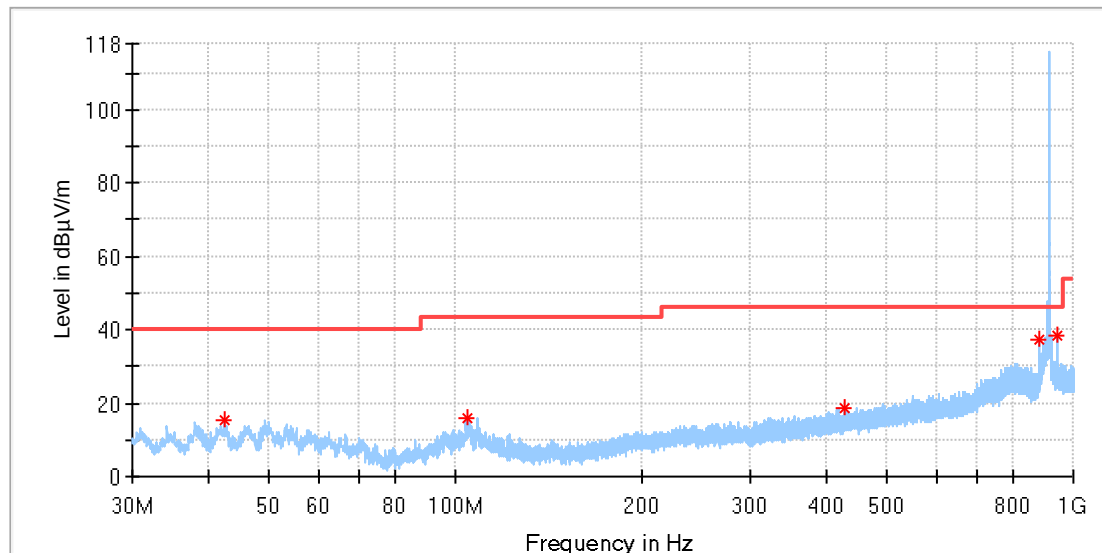
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.781154	14.98	40.00	25.02	100.0	V	255.0	-18.8
105.324231	15.17	43.50	28.33	100.0	V	112.0	-18.9
422.775385	18.67	46.00	27.33	100.0	V	294.0	-13.2
873.004615	35.23	46.00	10.77	100.0	V	176.0	-5.1
937.024615	34.81	46.00	11.19	100.0	V	161.0	-4.4

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

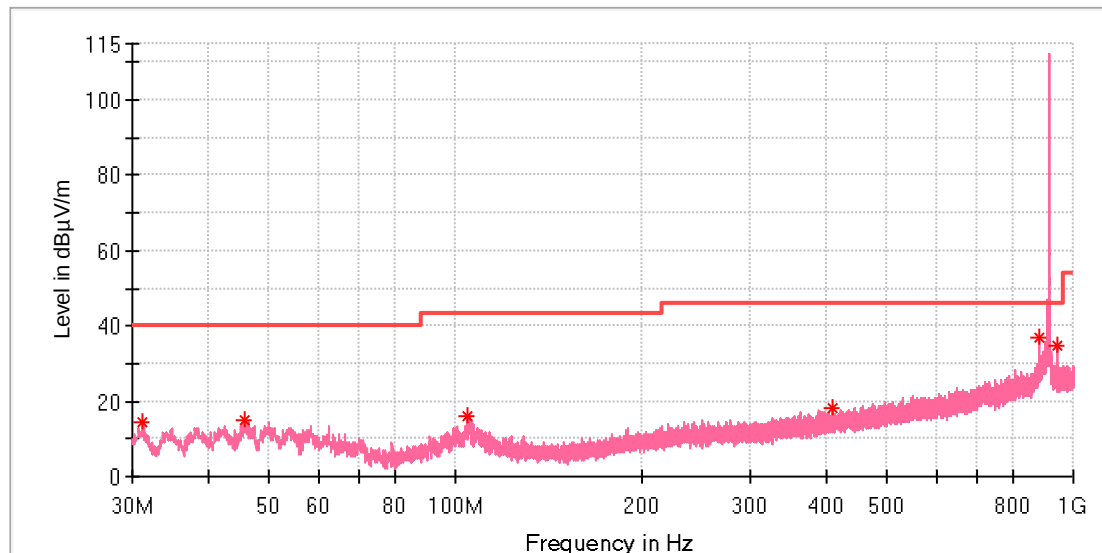
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.199615	15.22	40.00	24.78	100.0	H	344.0	-19.6
104.727308	15.86	43.50	27.64	100.0	H	335.0	-18.9
425.312308	18.77	46.00	27.23	100.0	H	358.0	-13.2
880.018462	37.40	46.00	8.60	100.0	H	280.0	-5.0
944.038462	38.51	46.00	7.49	100.0	H	255.0	-4.3

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

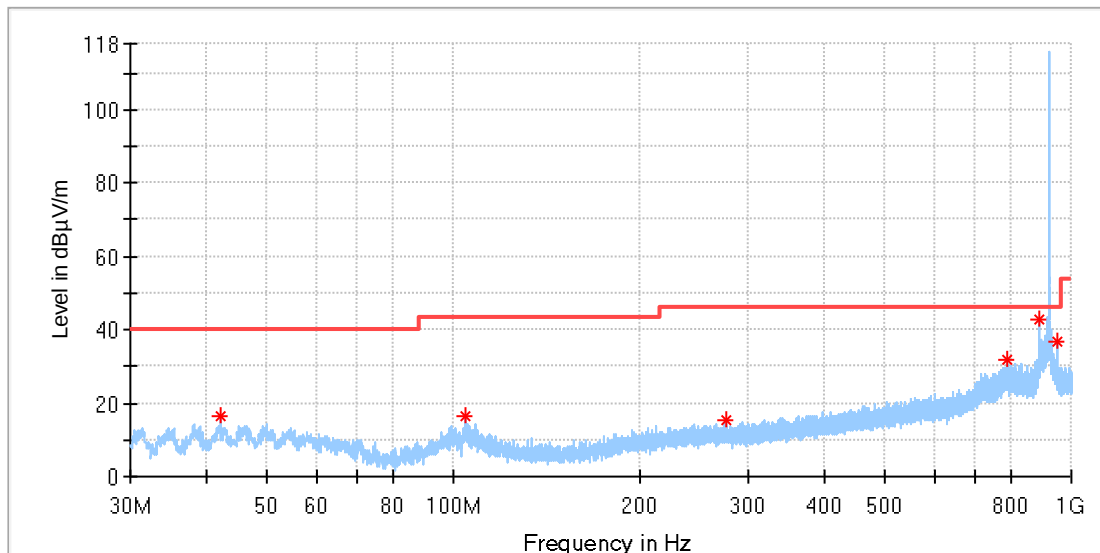
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.231154	14.70	40.00	25.30	100.0	V	147.0	-22.8
45.482692	14.95	40.00	25.05	100.0	V	219.0	-18.9
104.727308	15.99	43.50	27.51	100.0	V	285.0	-18.9
407.740385	18.24	46.00	27.76	100.0	V	64.0	-13.6
880.018462	37.15	46.00	8.85	100.0	V	211.0	-5.0
944.038462	34.57	46.00	11.43	100.0	V	195.0	-4.3

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 920MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

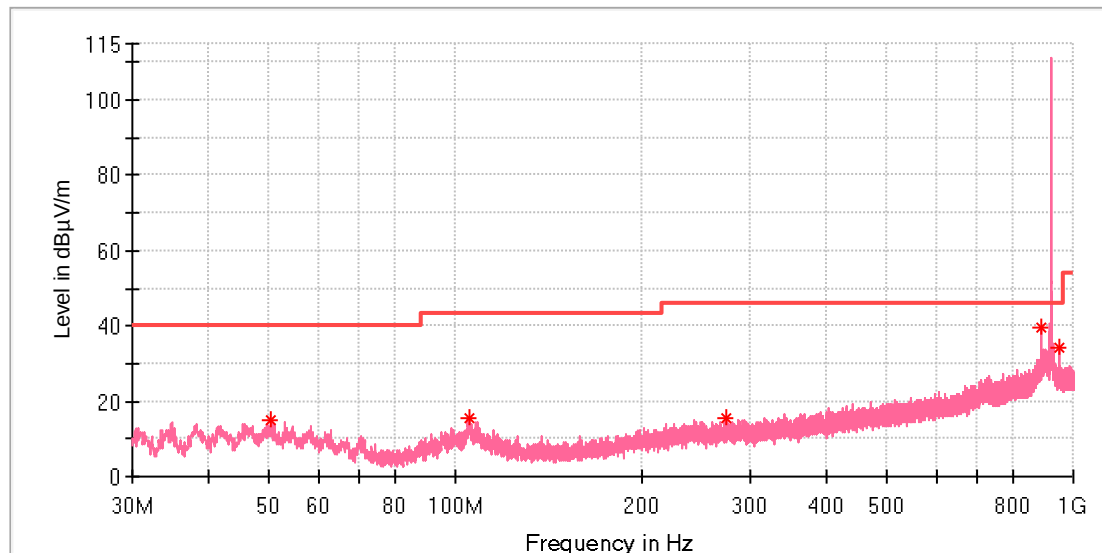
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.938462	16.46	40.00	23.54	100.0	H	61.0	-19.7
104.652692	16.54	43.50	26.96	100.0	H	104.0	-18.9
275.484615	15.58	46.00	30.42	100.0	H	272.0	-16.8
785.182308	31.73	46.00	14.27	100.0	H	248.0	-6.4
888.039615	42.91	46.00	3.09	100.0	H	272.0	-4.9
952.022308	36.70	46.00	9.30	100.0	H	272.0	-4.2

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 920MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

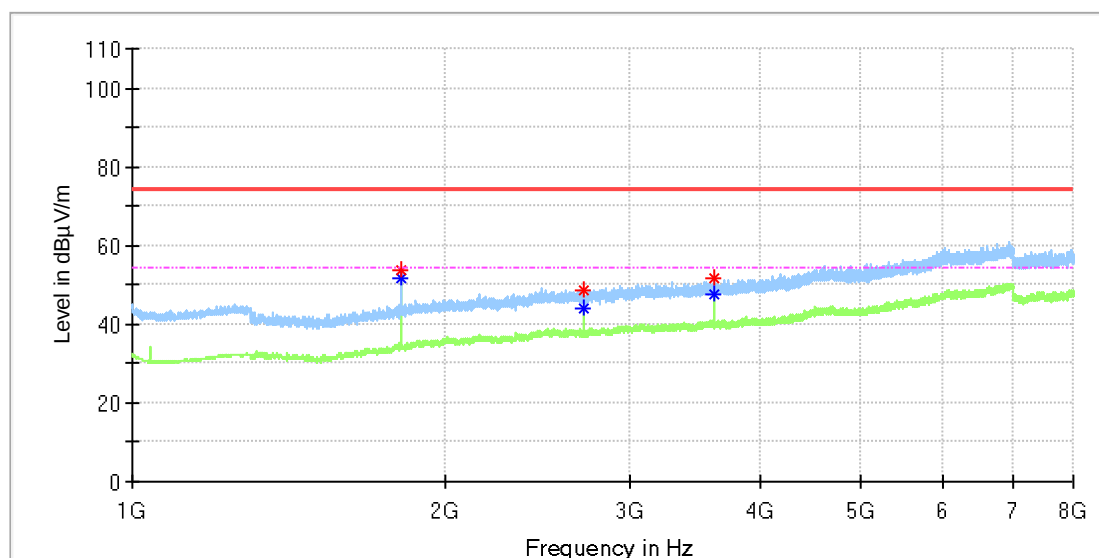
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.370000	15.03	40.00	24.97	100.0	V	0.0	-18.4
105.286923	15.65	43.50	27.85	100.0	V	0.0	-18.9
275.298077	15.67	46.00	30.33	100.0	V	336.0	-16.8
888.039615	39.44	46.00	6.56	100.0	V	190.0	-4.9
952.022308	34.16	46.00	11.84	100.0	V	206.0	-4.2

Final_Result

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

1GHz - 10GHz**EUT Information**

EUT Name:	WBM-XC6P-SC
Model:	WBM-XC6P-SC
Test Mode:	Lora 902.3MHz
Order No/Sample No:	168509606/A003844419-004
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

**Critical Freqs**

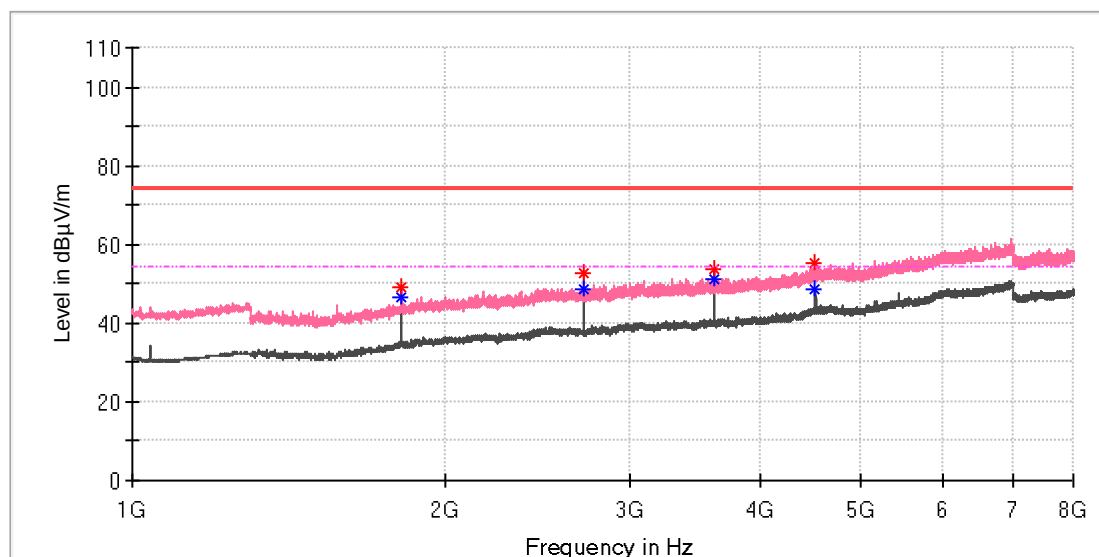
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1809.758333	53.79	---	74.00	20.21	150.0	H	214.0	6.3
1809.758333	---	50.72	54.00	3.28	150.0	H	214.0	6.3
2714.258333	48.51	---	74.00	25.49	150.0	H	321.0	9.1
2714.816667	---	44.07	54.00	9.93	150.0	H	321.0	9.1
3619.875000	51.88	---	74.00	22.12	150.0	H	8.0	10.9
3619.875000	---	47.42	54.00	6.58	150.0	H	8.0	10.9

Final Result

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

EUT Information

EUT Name: WBM-XC6P-SC
 Model: WBM-XC6P-SC
 Test Mode: Lora 902.3MHz
 Order No/Sample No: 168509606/A003844419-004
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

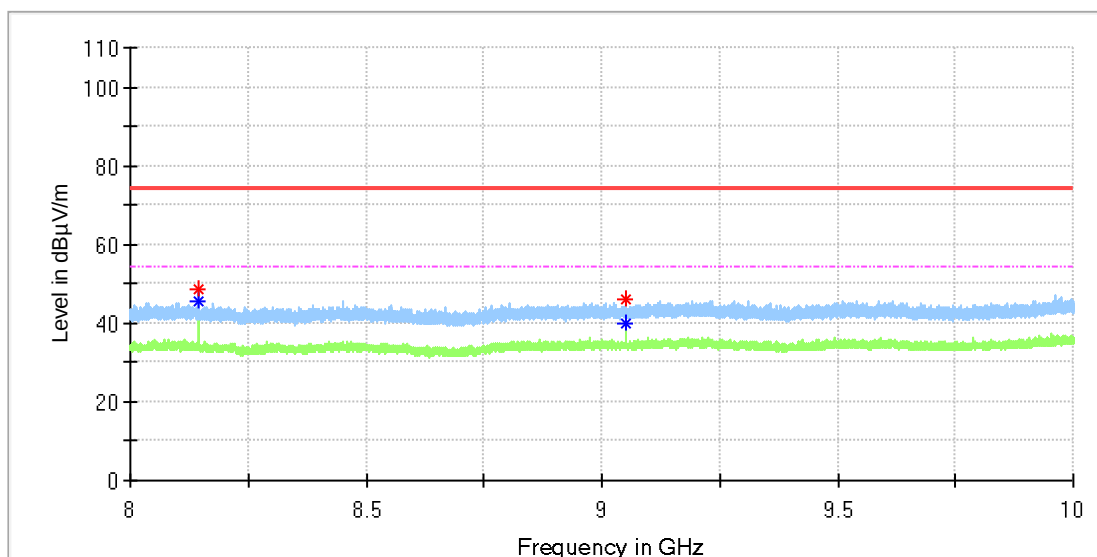
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1809.200000	49.37	---	74.00	24.63	150.0	V	295.0	6.3
1809.758333	---	46.69	54.00	7.31	150.0	V	315.0	6.3
2714.816667	52.64	---	74.00	21.36	150.0	V	236.0	9.1
2714.816667	---	48.85	54.00	5.15	150.0	V	236.0	9.1
3619.875000	53.67	---	74.00	20.33	150.0	V	197.0	10.9
3619.875000	---	50.99	54.00	3.01	150.0	V	197.0	10.9
4524.933333	55.12	---	74.00	18.88	150.0	V	28.0	13.2
4524.933333	---	48.56	54.00	5.44	150.0	V	28.0	13.2

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 902.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

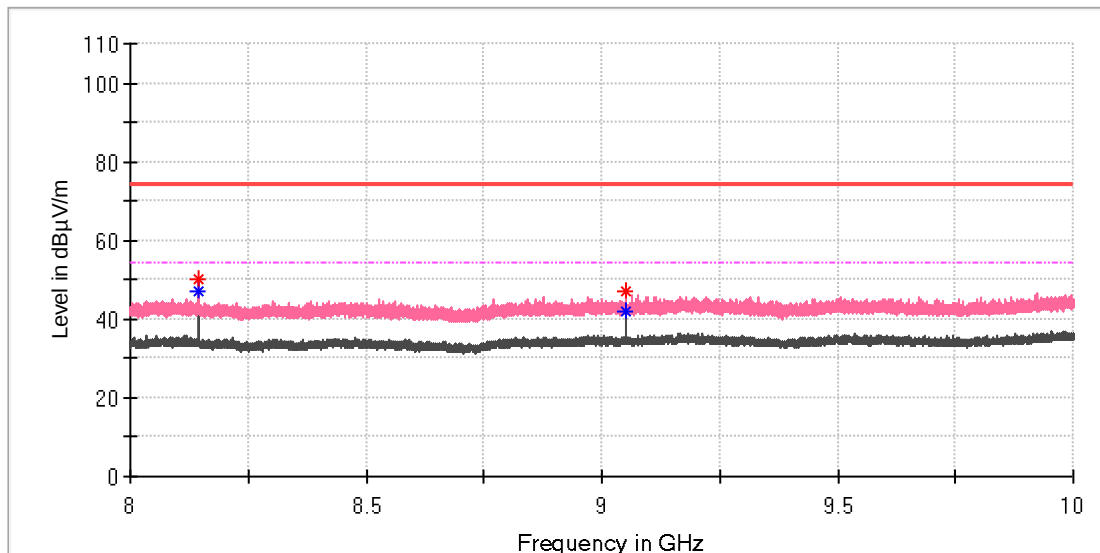
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8144.900000	---	45.75	54.00	8.25	150.0	H	60.0	9.0
8145.100000	48.85	---	74.00	25.15	150.0	H	99.0	9.0
9049.700000	---	40.06	54.00	13.94	150.0	H	207.0	9.6
9050.300000	45.93	---	74.00	28.07	150.0	H	128.0	9.6

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 902.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

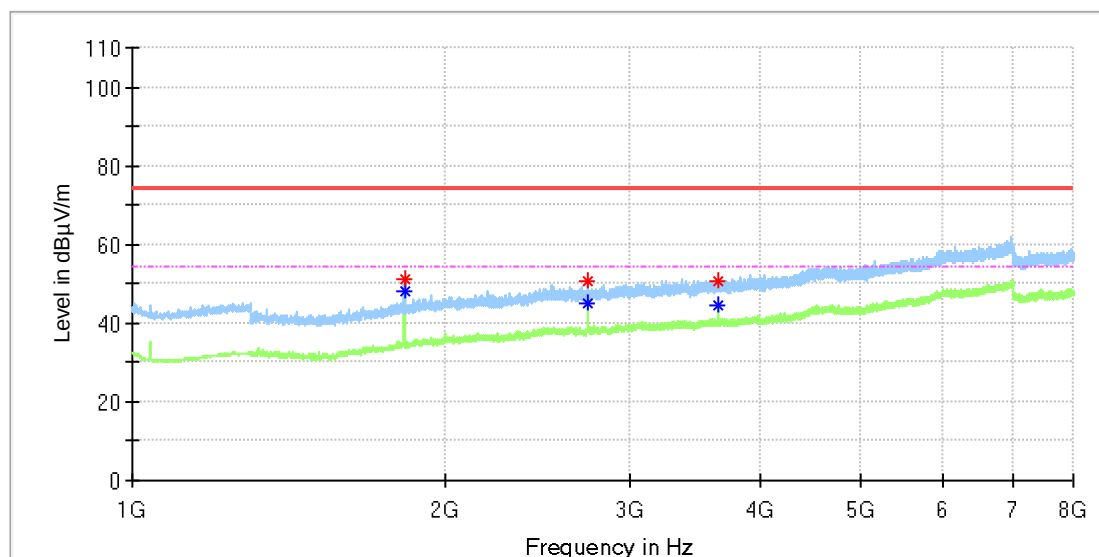
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8144.900000	---	47.13	54.00	6.87	150.0	V	182.0	9.0
8145.100000	50.06	---	74.00	23.94	150.0	V	182.0	9.0
9049.800000	46.89	---	74.00	27.11	150.0	V	182.0	9.6
9049.900000	---	41.93	54.00	12.07	150.0	V	163.0	9.6

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

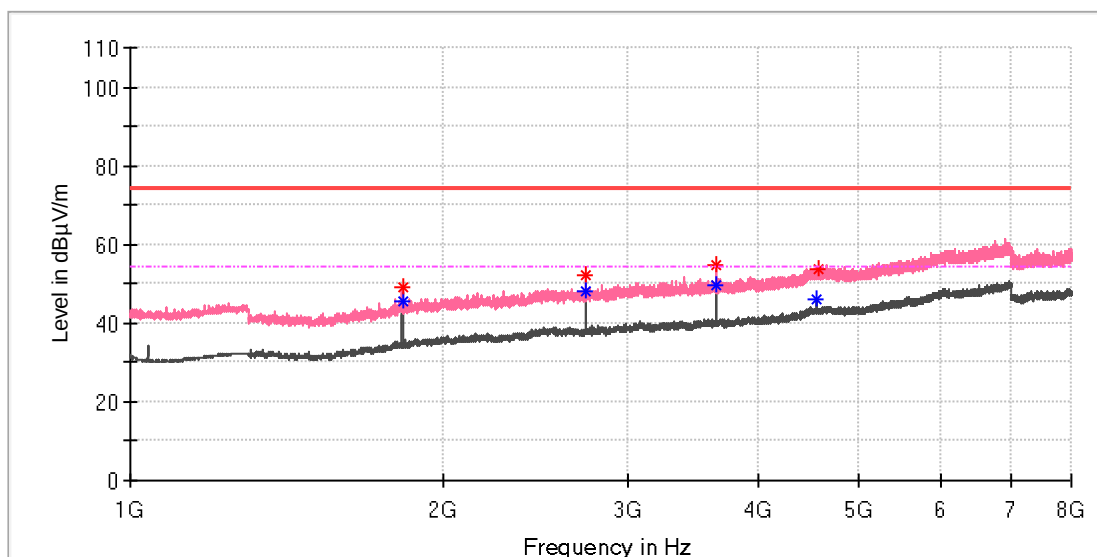
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1823.716667	51.02	---	74.00	22.98	150.0	H	207.0	6.4
1823.716667	---	48.12	54.00	5.88	150.0	H	207.0	6.4
2735.475000	50.55	---	74.00	23.45	150.0	H	315.0	9.2
2736.033333	---	45.16	54.00	8.84	150.0	H	315.0	9.2
3647.791667	---	44.64	54.00	9.36	150.0	H	315.0	10.9
3648.350000	50.88	---	74.00	23.12	150.0	H	174.0	10.9

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

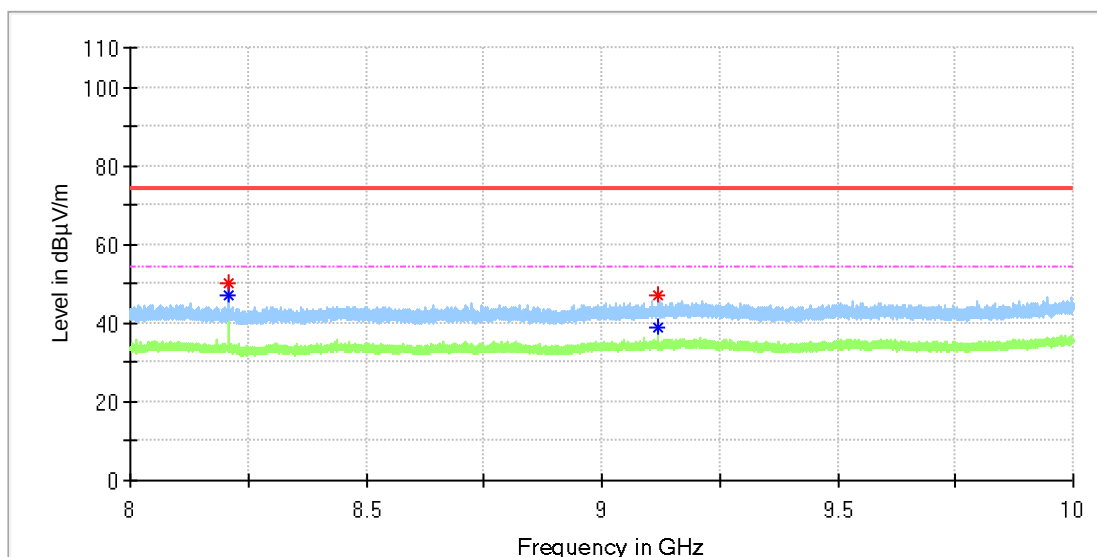
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1823.716667	48.90	---	74.00	25.10	150.0	V	328.0	6.4
1823.716667	---	45.67	54.00	8.33	150.0	V	328.0	6.4
2736.033333	52.41	---	74.00	21.59	150.0	V	248.0	9.2
2736.033333	---	47.90	54.00	6.10	150.0	V	248.0	9.2
3647.791667	---	49.83	54.00	4.17	150.0	V	205.0	10.9
3648.350000	54.99	---	74.00	19.01	150.0	V	205.0	10.9
4560.108333	---	45.92	54.00	8.08	150.0	V	352.0	13.5
4567.366667	53.94	---	74.00	20.06	150.0	V	310.0	13.5

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

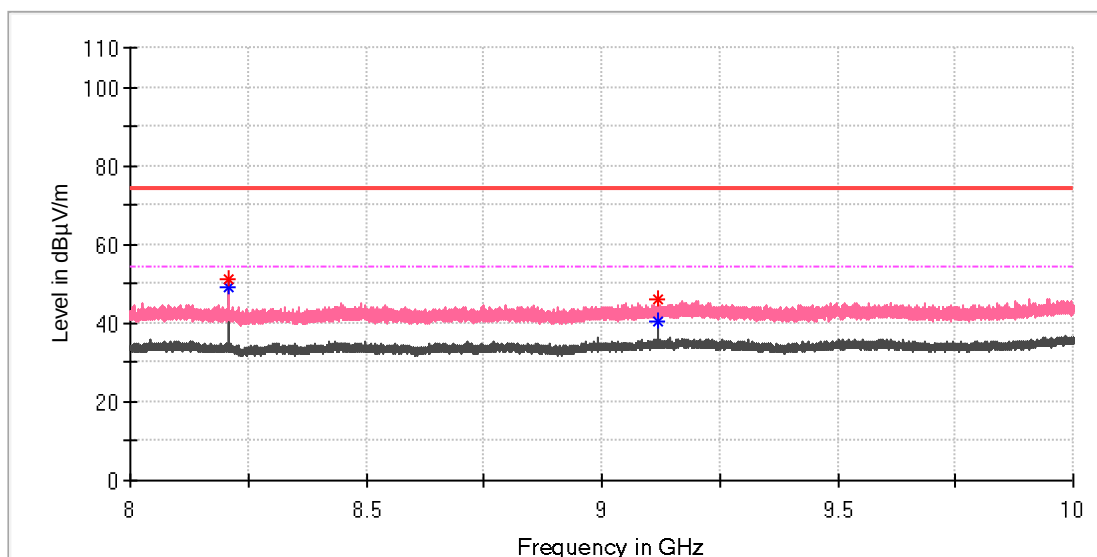
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8207.800000	---	47.26	54.00	6.74	150.0	H	108.0	8.9
8207.900000	50.10	---	74.00	23.90	150.0	H	108.0	8.9
9119.900000	46.92	---	74.00	27.08	150.0	H	89.0	10.2
9119.900000	---	39.08	54.00	14.92	150.0	H	89.0	10.2

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 911.3MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

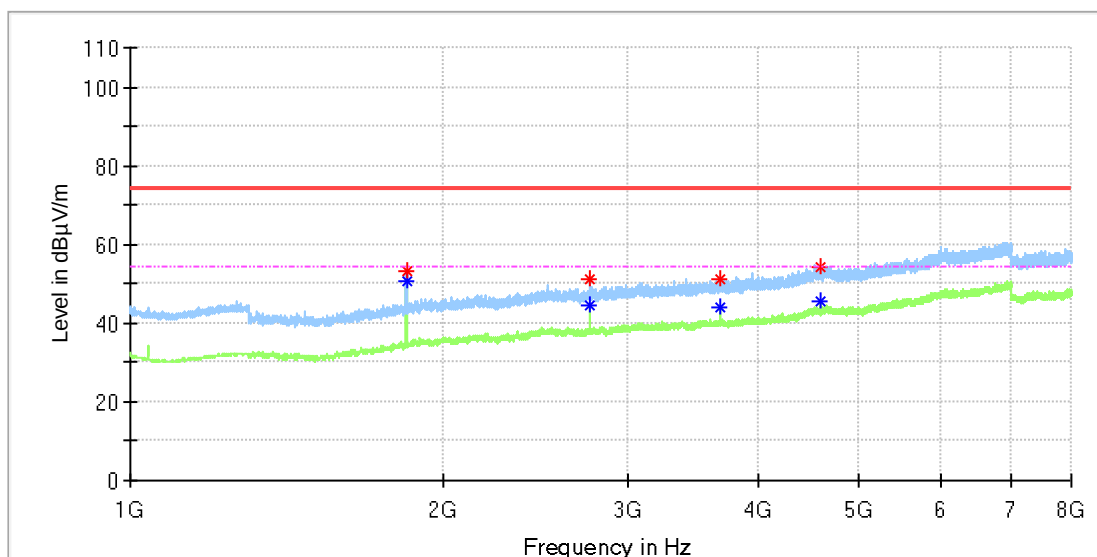
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8207.800000	51.03	---	74.00	22.97	150.0	V	182.0	8.9
8207.800000	---	49.28	54.00	4.72	150.0	V	182.0	8.9
9119.700000	---	40.34	54.00	13.66	150.0	V	173.0	10.2
9120.000000	45.87	---	74.00	28.13	150.0	V	173.0	10.2

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 920MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

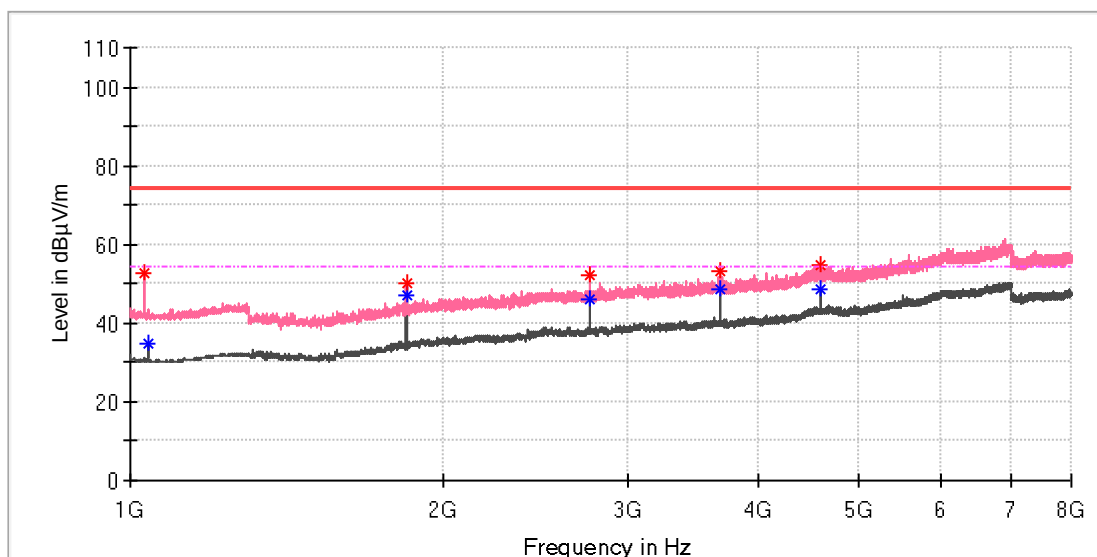
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1839.908333	53.26	---	74.00	20.74	150.0	H	154.0	6.4
1839.908333	---	50.65	54.00	3.35	150.0	H	154.0	6.4
2760.041667	51.14	---	74.00	22.86	150.0	H	284.0	9.4
2760.041667	---	44.75	54.00	9.25	150.0	H	284.0	9.4
3679.616667	51.33	---	74.00	22.67	150.0	H	264.0	11.0
3680.175000	---	44.13	54.00	9.87	150.0	H	92.0	11.0
4594.725000	54.18	---	74.00	19.82	150.0	H	264.0	13.5
4599.750000	---	45.59	54.00	8.41	150.0	H	72.0	13.5

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 920MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

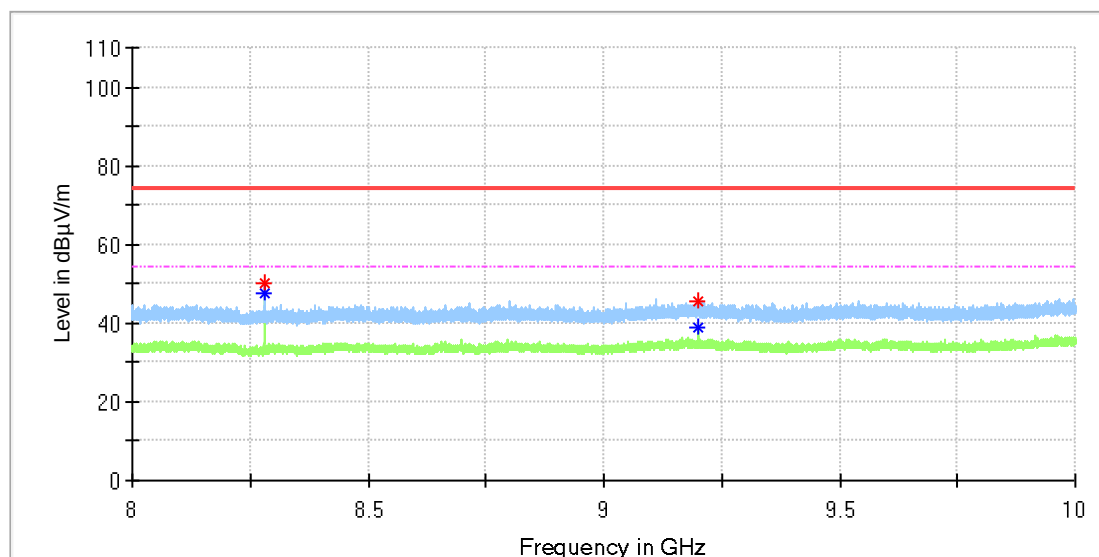
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1032.000000	52.53	---	74.00	21.47	150.0	V	174.0	0.4
1039.000000	---	34.62	54.00	19.38	150.0	V	27.0	0.5
1839.908333	50.10	---	74.00	23.90	150.0	V	201.0	6.4
1839.908333	---	47.13	54.00	6.87	150.0	V	201.0	6.4
2760.041667	52.08	---	74.00	21.92	150.0	V	57.0	9.4
2760.041667	---	46.21	54.00	7.79	150.0	V	57.0	9.4
3679.616667	53.37	---	74.00	20.63	150.0	V	210.0	11.0
3680.175000	---	48.53	54.00	5.47	150.0	V	210.0	11.0
4599.750000	54.93	---	74.00	19.07	150.0	V	145.0	13.5
4599.750000	---	48.66	54.00	5.34	150.0	V	145.0	13.5

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
 Model: WBM-XC6P-SC
 Test Mode: Lora 920MHz
 Order No/Sample No: 168509606/A003844419-004
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

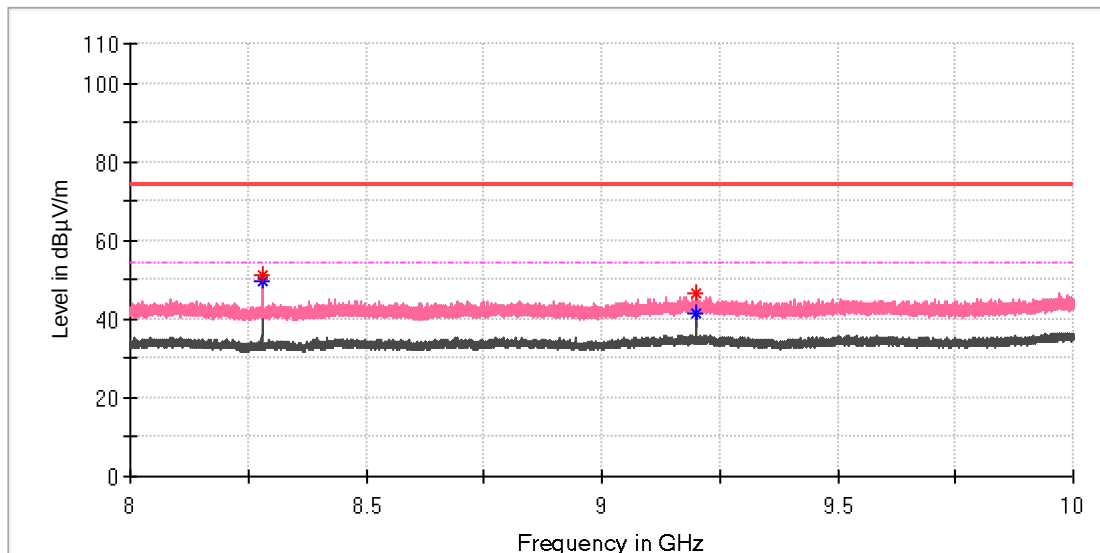
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8279.800000	50.24	---	74.00	23.76	150.0	H	95.0	8.7
8279.800000	---	47.37	54.00	6.63	150.0	H	95.0	8.7
9199.900000	45.32	---	74.00	28.68	150.0	H	195.0	10.6
9200.000000	---	38.84	54.00	15.16	150.0	H	204.0	10.6

Final_Result

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

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Lora 920MHz
Order No/Sample No: 168509606/A003844419-004
Test Voltage: Battery
Remark: Temp 24 Humi:50%
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)
8279.800000	51.09	---	74.00	22.91	150.0	V	181.0	8.7
8279.800000	---	49.71	54.00	4.29	150.0	V	181.0	8.7
9199.900000	46.50	---	74.00	27.50	150.0	V	181.0	10.6
9199.900000	---	41.38	54.00	12.62	150.0	V	181.0	10.6

Final_Result

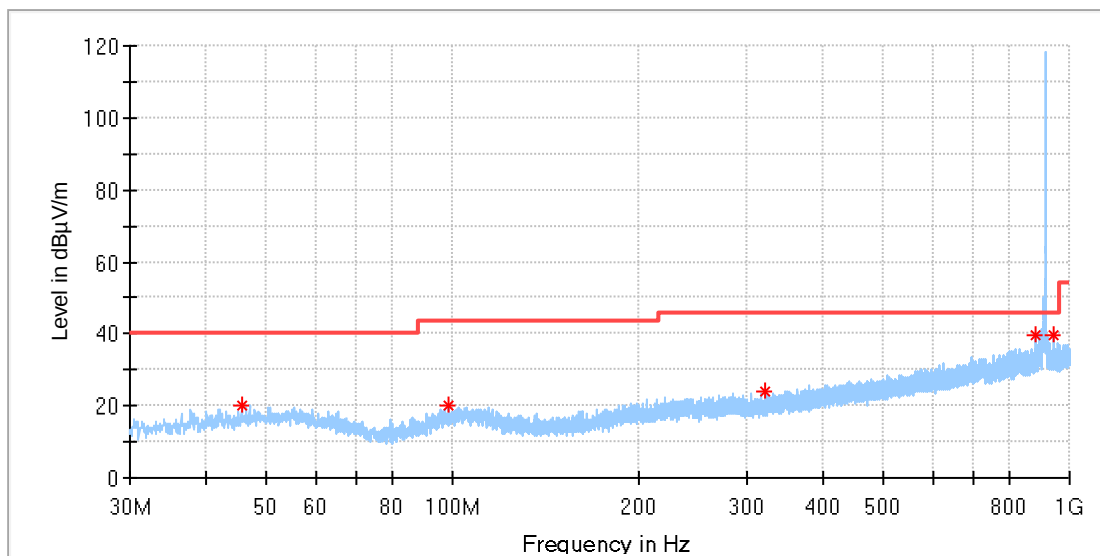
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Co-location test:

Test Report

EUT Information

EUT Name:	WBM-XC6P-SC
Model:	WBM-XC6P-SC
Test Mode:	BLE+Lora
Order No/Sample No:	168509606/A003924216-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
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)
45.482692	19.87	40.00	20.13	100.0	H	221.0	-18.9
98.795385	20.08	43.50	23.42	100.0	H	48.0	-19.3
320.440385	24.09	46.00	21.91	100.0	H	174.0	-15.7
880.018462	39.48	46.00	6.52	100.0	H	351.0	-5.0
944.038462	39.42	46.00	6.58	100.0	H	351.0	-4.3

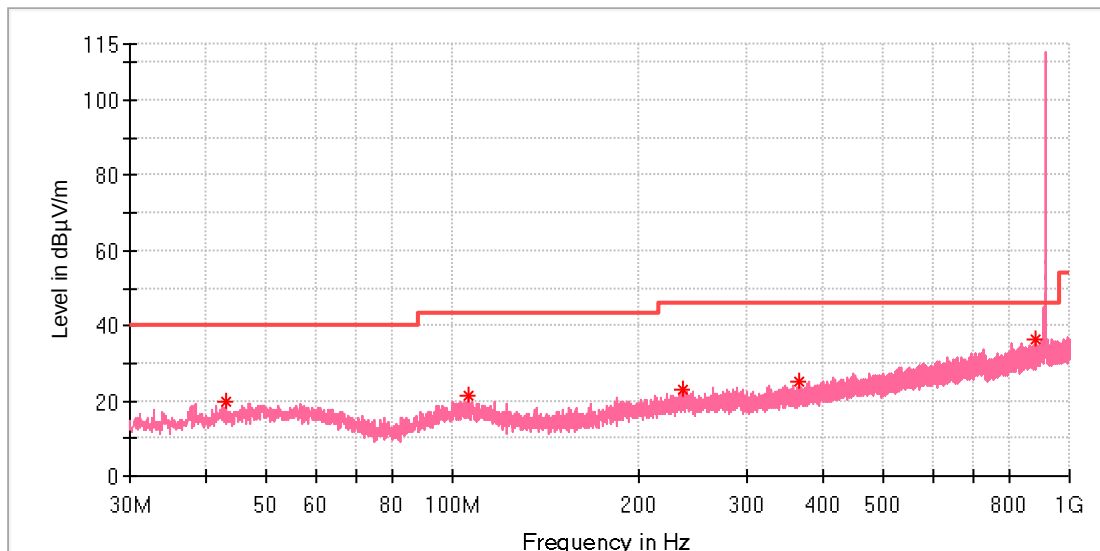
Final_Result

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

Test Report

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: BLE+Lora
Order No/Sample No: 168509606/A003924216-002
Test Voltage:: Battery
Remark: Temp 23 Humi:56%
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)
42.983077	19.68	40.00	20.32	100.0	V	196.0	-19.4
105.809231	21.26	43.50	22.24	100.0	V	142.0	-19.0
236.125000	23.19	46.00	22.81	100.0	V	0.0	-17.9
365.023077	25.40	46.00	20.60	100.0	V	133.0	-14.5
880.018462	36.34	46.00	9.66	100.0	V	34.0	-5.0

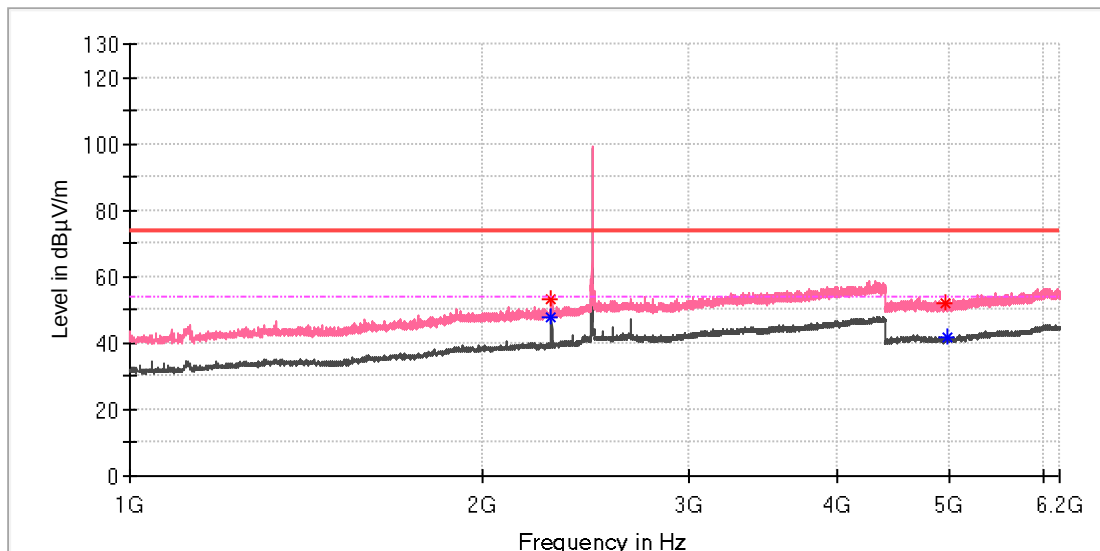
Final Result

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

Test Report

EUT Information

EUT Name:	WBM-XC6P-SC
Model:	WBM-XC6P-SC
Test Mode:	BLE+Lora
Order No/Sample No:	168509606/A003924216-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
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)
2288.000000	---	47.84	54.00	6.16	150.0	V	191.0	8.0
2288.000000	53.09	---	74.00	20.91	150.0	V	191.0	8.0
4958.000000	52.25	---	74.00	21.75	150.0	V	152.0	13.3
4967.500000	---	41.82	54.00	12.18	150.0	V	9.0	13.3

Final_Result

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

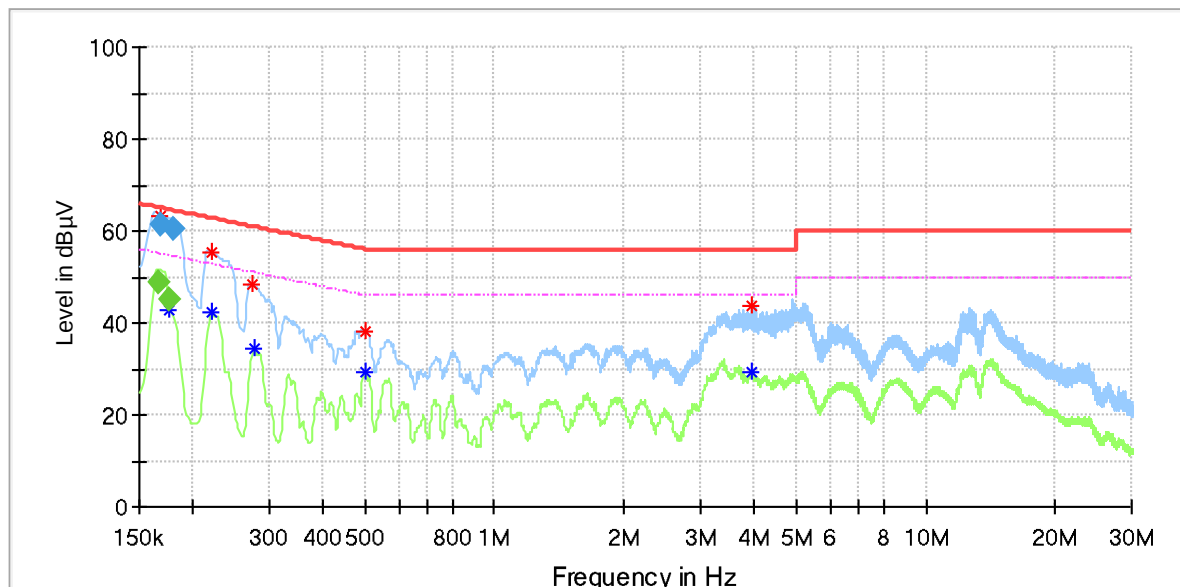
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Appendix A.8: Test Results of Conducted Emissions

Test Report

EUT Information

EUT Name	WBM-XC6P-SC
Model:	WBM-XC6P-SC
Test Mode:	Charging+BLE+LORA connecting
Test Voltage:	120V/60Hz
Test Standard:	FCC part 15.207
Tem./Hum./Pressure:	23.7°C/51.3%/101kPa
Remark:	SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166083	---	49.23	55.13	5.90	L1	10.2
0.168425	63.20	---	65.21	2.01	L1	10.2
0.175350	---	42.56	54.49	11.93	L1	10.2
0.180325	61.13	---	64.27	3.14	L1	10.2
0.221308	---	42.42	52.77	10.35	L1	10.2
0.221308	55.36	---	62.77	7.41	L1	10.2
0.274375	48.28	---	60.98	12.71	L1	10.2
0.276033	---	34.19	50.93	16.74	L1	10.2
0.499908	---	29.30	46.00	16.70	L1	10.2
0.499908	38.12	---	56.00	17.89	L1	10.2
3.940950	---	29.33	46.00	16.67	L1	10.3
3.950900	43.69	---	56.00	12.31	L1	10.3

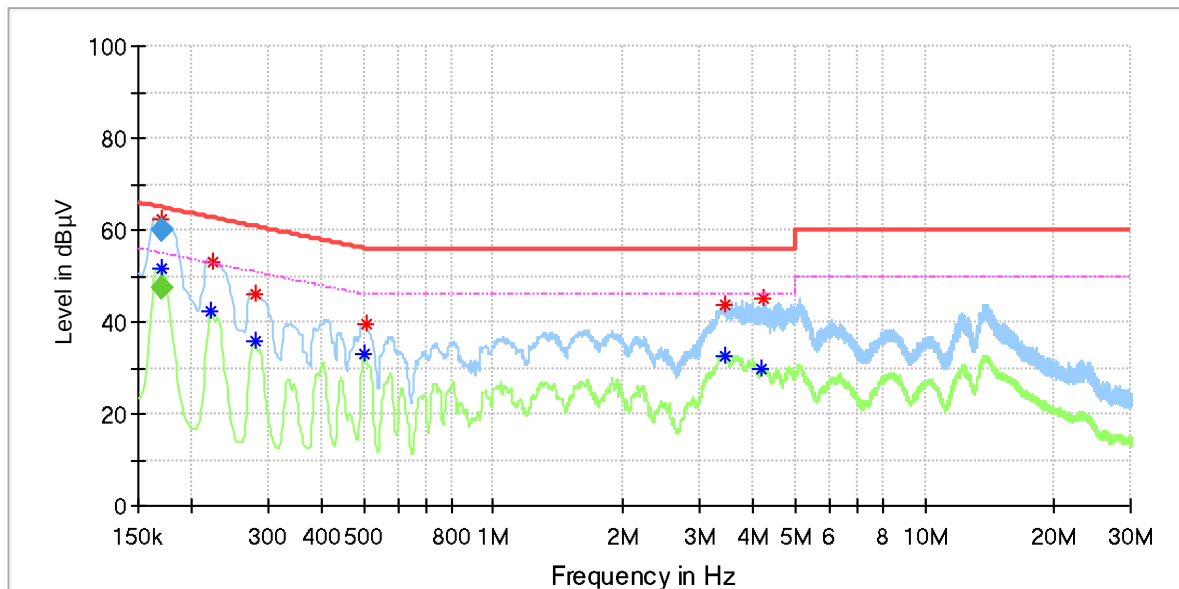
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.166083	---	48.64	55.15	6.51	1000.0	9.000	L1	10.2
0.168425	61.27	---	65.04	3.77	1000.0	9.000	L1	10.2
0.175350	---	44.92	54.70	9.78	1000.0	9.000	L1	10.2
0.180325	60.42	---	64.47	4.05	1000.0	9.000	L1	10.2

Test Report

EUT Information

EUT Name: WBM-XC6P-SC
Model: WBM-XC6P-SC
Test Mode: Charging+BLE+LORA connecting
Test Voltage: 120V/60Hz
Test Standard: FCC part 15.207
Tem./Hum./Pressure: 23.7°C/51.3%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.170000	62.26	---	65.05	2.79	N	10.2
0.170000	---	51.66	55.13	3.47	N	10.2
0.221308	---	42.15	52.77	10.62	N	10.2
0.224625	53.15	---	62.65	9.49	N	10.2
0.279350	---	35.85	50.84	14.98	N	10.2
0.279350	46.15	---	60.84	14.69	N	10.2
0.501567	---	33.12	46.00	12.88	N	10.3
0.504883	39.68	---	56.00	16.32	N	10.3
3.423550	43.62	---	56.00	12.38	N	10.3
3.438475	---	32.53	46.00	13.47	N	10.3
4.199650	---	29.77	46.00	16.23	N	10.4
4.212917	44.94	---	56.00	11.06	N	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.170000	---	47.65	54.96	7.31	1000.0	9.000	N	10.2
0.170000	60.09	---	64.96	4.88	1000.0	9.000	N	10.2