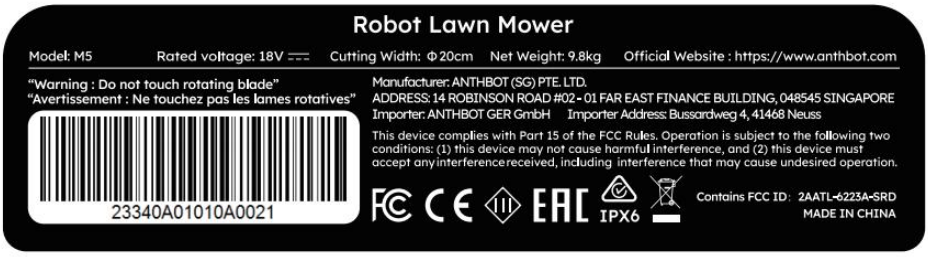
ANTHBOT (SG) PTE. LTD.

CE RED REPORT

Prepared For :	ANTHBOT (SG) PTE. LTD. 14 ROBINSON ROAD #02 -01.FAR EAST FINANCE BUILDING, 048545 Singapore
Product Name:	Robotic Lawn Mower
Trade Name:	ANTHBOT
Model :	M*, M* PLUS, M* PRO, M* LiDAR, M* PLUS LiDAR, M* PRO LiDAR, N*, N* PLUS, N* PRO, N* LiDAR, N* PLUS LiDAR, N* PRO LiDAR (“*” can be 0-9 or A-Z or blank, which is only for marketing purposes)
Prepared By :	Labtest Technology Laboratory Ltd. 901-12, Block 1, No.9 Jinxiu Middle Road, Laokeng Community, Longtian Street, Pingshan District, Shenzhen, Guangdong, China.
Test Date:	2026-01-09 - 2026-01-19
Date of Report :	2026-01-19
Report No.:	LBTR260109112E

General remarks:	
"(see remark #)" refers to a remark appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a comma is used as the decimal separator. The test results presented in this report relate only to the object tested. This report shall not be reproduced except in full without the written approval of the testing laboratory.	Attached with: A. photo documentation

Artwork of Marking Label



Warning Label:

Remark:

Labels for other product types are indetical only except for model names.

The EU importer will be supplemented before the product is placed in the EU market.

Prepared by : Adam Chen
Engineer

Reviewer : Jacky Zhang
Supervisor

Approved & Authorized Signer : Allen chen
Manager

Test Summary

5.1.1 RADIATED SPURIOUS EMISSIONS (EN 300 328)
RESULT: Pass

5.1.2 RADIATED SPURIOUS EMISSIONS (EN 301 908-1/-13)
RESULT: Pass

5.1.3 RADIATED SPURIOUS EMISSIONS (EN 300 220)
RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSIONS (EN 303 413)
RESULT: Pass

5.1.5 CO-LOCATED RADIATED SPURIOUS EMISSIONS
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1 General Remarks

1.1 Remarks

This product contains a BT/WIFI module “6223A-SRD”, a Lora module “FL22-C8”, a 4G module “EG800K_EU” and a GNSS module “A7P-KD”, the Radio test report refer below.

Wireless module	Items	Standards	Test report	Issued by
6223A-SRD	Article 3.2, Radio	EN 300 328 V2.1.1 EN 300 328 V2.2.2	NTC1709196EV00 NTC1709184EV00 EC2009013RE02	Dongguan Nore Testing Center Co., Ltd. Hunan Ecloud Testing Technology Co., Ltd.

Lora module	Items	Standards	Test report	Issued by
FL22-C8	Article 3.2, Radio	EN 300 220-1 V3.1.1 EN 300 220-2 V3.1.1 EIST TS 136 521-1 V17.4.0	SZ22070378W01	Shenzhen Morlab Communications Technology Co., Ltd.

4G module	Items	Standards	Test report	Issued by
EG800K_EU	Article 3.2, Radio	EN 301 908-1 V15.2.1 EN 301 908-13 V13.2.1	PD20230175RF01	Hefei Panwin Technology Co., Ltd.

Wireless module	Items	Standards	Test report	Issued by
A7P-KD	Article 3.2, Radio	EN 303 413 V1.2.1	SZCR240300102402	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

1. According to ETSI EG 203 367, these Wireless module install in a new host, the antenna gain for BT/WIFI and LORA are less than certificated module , the Radiated Spurious Emissions is arranged re-assessment and the other conducted measurements test data can be refer to test report NTC1709196EV00, NTC1709184EV00, EC2009013RE02, SZ22070378W01, PD20230175RF01 and SZCR240300102402 issued by Dongguan Nore Testing Center Co., Ltd., Hunan Ecloud Testing Technology Co., Ltd., Shenzhen Morlab Communications Technology Co., Ltd., Hefei Panwin Technology Co., Ltd. and SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch.
2. These Wireless module install in a new host, the EMC testing are arranging fully reassessment.

1.2 Complementary Materials

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

Appendix A: Test Results of Radiated Spurious Emissions

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS8996)					
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Cal. until**
Signal Generator	R&S	SMB100A	180840	2024-09-29	2025-09-28
Wideband Radio Communication Tester	R&S	CMW500	165339	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101440	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010036	N/A	N/A
OSP	R&S	OSP 120	102041	N/A	N/A
OSP	R&S	OSP 150	101385	2024-10-29	2025-10-28
Pre-amplifier	R&S	SCU08F1	08320030	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180079	2024-09-29	2025-09-28
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	192	2024-10-07	2026-10-06
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218719	2024-10-07	2026-10-06
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18312	2024-10-07	2026-10-06
Biconical Broadband Antenna (30 MHz - 1 GHz)	Schwarzbeck	VUBA 9117	357	2024-10-07	2026-10-06
Double Ridged Broadband Horn Antenna (1 – 18 GHz)	Schwarzbeck	BBHA 9120 D	01760	2024-10-07	2026-10-06
Test software	R&S	EMC32 (V10.50.40)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NW9P2	N/A	N/A
3m Fully Anechoic Chamber	Albatross	FAC-3m	APC17151-FAC	2024-09-14	2027-09-13

2.3 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
Radiated Emission of Transmitter, valid up to 26.5 GHz	± 3.68 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	± 3.68 dB

3 General Product Information

3.1 Product Function and Intended Use

The EUTs are Robotic Lawn Mower which contains a main body, a charging base and an RTK station. The Robotic Lawn Mower supports Bluetooth dual mode, 2.4GHz Wi-Fi, LTE Band1/3/5/7/8/20/28, 868MHz and GNSS functions. Charging base supports GNSS function. RTK station supports 868MHz function.
The report is based on report CN24QKNT 002.
This report is for updating the product types from Genie 600, Genie 1000, Genie 3000, Genie 5000 to Genie 400*, Genie 600*, Genie 800*, Genie 1000*, Genie 1200*, Genie 1500*, Genie 2000*, Genie 2500*, Genie 3000*, Genie 5000*. And all the product types are completely same, except for type designation, battery pack and charging system, see the below table for details.
The product type Genie 600 has been replaced by Genie 400*, Genie 600* and Genie 800*, and the three new product types are identical except for the product type designations.
The product type Genie 1000 has been replaced by Genie 1000*, Genie 1200* and Genie 1500*, and the three new product types are identical except for the product type designations.
The product types Genie 3000 and Genie 5000 has been replaced by Genie 2000*, Genie 2500*, Genie 3000* and Genie 5000*, and the four new product types are identical except for the product type designations.
Robotic Lawn Mower is intended for cutting domestic lawn with five metal pivoting cutting elements, powered by battery (Lion-battery).
The match information of charging system updated is below:

Machine & Charging station		
Machine: Genie 400*,Genie 600*,Genie 800*, Charging station: MDS01	Machine: Genie 1000*,Genie 1200*,Genie 1500* Charging station: MDS02	Machine: Genie 2000*,Genie 2500*,Genie 3000*, Genie 5000* Charging station: MDS03
Battery charger		
DZ048BWL240200V, GM51-240200-2DE	DZ100CWL280300V, GM95-280300-2DG	DZ180AWL2800600V, GQ150C-2800600-E3
Output: 24V d.c., 2.0A	Output: 28V d.c., 3.0A	Output: 28V d.c., 6.0A

Remark: “*” can be 0-9 or A-Z or blank, which is only for marketing purposes.

Consider of above models change, there are no circuit and PCB specification difference,it deemed to not affect the compliance of Health and Radio Spectrum requirements.All the test result are conducted from orignal report.
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:	Robotic Lawn Mower
Type Designation:	M*, M* PLUS, M* PRO, M* LiDAR, M* PLUS LiDAR, M* PRO LiDAR, N*, N* PLUS, N* PRO, N* LiDAR, N* PLUS LiDAR, N* PRO LiDAR (“*” can be 0-9 or A-Z or blank, which is only for marketing purposes)
Operating Voltage (main body):	AC 100-240V input Via charging base DC 18V input via internal rechargeable Li-ion battery
Operating Voltage (charging base):	/
Operating Temperature Range:	0 °C ~ +50 °C
Technical Specification of Bluetooth dual mode	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, π/4-DQPSK, 8DPSK
Channel Number:	BR & EDR mode:79 channels, Low Energy mode:40 channels
Channel Separation:	BR & EDR mode:1MHz, Low Energy mode:2MHz
Data Rate:	BR & EDR mode:1Mbps, 2Mbps, 3MbpsLow Energy mode:1Mbps
Antenna Type:	Integral Antenna
Antenna Gain:	2.52 dBi (Provided by the Client)
Technical Specification of 2.4GHz Wi-Fi	
Operating Frequency:	2412 - 2472 MHz for 802.11b/g/n(HT20) 2422 - 2462 MHz for 802.11n(HT40)
Type of Modulation:	802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM
Data Rate:	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n(HT20)/n(HT40)
Channel Number:	13 channels for 802.11b/g/n(HT20) 9 channels for 802.11n(HT40)
Channel Separation:	5 MHz
Antenna Type:	Integral Antenna
Antenna Gain:	2.52 dBi (Provided by the Client)
Technical Specification of Lora	
Operating Frequency:	863.1 MHz-869.9 MHz
Type of Modulation:	FSK
Transmitter Bandwidth:	200kHz
Antenna Type:	Integral Antenna
Antenna Gain:	2 dBi for main body, 1 dBi for RTK station (Provided by the Client)
Technical Specification of LTE	
LTE Operation Band:	LTE BAND 1: Uplink:1920-1980MHz, Downlink:2110-2170MHzLTE BAND 3: Uplink:1710-1785MHz, Downlink:1805-1880MHz LTE BAND 5: Uplink:824-849MHz, Downlink869-894MHz LTE BAND 7: Uplink:2500-2570MHz, Downlink:2620-2690MHz LTE BAND 8: Uplink:880-915MHz, Downlink:925-960MHz

	LTE BAND 20: Uplink:832-862MHz, Downlink:791-821MHz LTE BAND 28: Uplink:703-748MHz, Downlink:758-803MHz
Type of Modulation:	QPSK, 16QAM
Antenna Type:	Internal Antenna
Antenna Gain:	4.16 dBi Max. for LTE B1 1.22 dBi Max. for LTE B3 -0.26 dBi Max. for LTE B5/20 2.29 dBi Max. for LTE B7 0.73 dBi Max. for LTE B8 3.48 dBi Max. for LTE B28 (Provided by the Client)
Technical Specification of GNSS	
Frequency Range:	1559 MHz to 1610 MHz
Frequency Bands:	GPS L1, BDS B1I, Galileo E1, GLONASS G1, SBAS L1

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Radiated Spurious Emissions (BT, WIFI, Lora, 4G)
   1 Transmitting (Low / Middle / High channel)
   2 Receiving (Low / Middle / High channel)
B. On, GNSS Receiving mode
C. On, BT/WIFI with Lora and LTE co-location mode
D. Off

3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

3.5 Submitted Documents

- Application Form
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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.

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.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5.

According to clause 3.1, all tests were performed on model Genie 1000 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: 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.

5 Test Results

5.1 Radio Requirement & Test Suites

5.1.1 Radiated Spurious Emissions (EN 300 328)

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	EN 300 328 V2.2.2, Clause 4.3.2.9 & Clause 4.3.2.10 EN 300 328 V2.2.2, Clause 4.3.1.10 & Clause 4.3.1.11
Limit	:	EN 300 328 V2.2.2, Clause 4.3.2.9.3 & Clause 4.3.2.10.3 EN 300 328 V2.2.2, Clause 4.3.1.10.3 & Clause 4.3.1.11.3
Test suites	:	EN 300 328 V2.2.2, Clause 5.4.9 & Clauses 5.4.10
Kind of test site	:	3m Fully Anechoic Room

Test Setup

Date of testing	:	2026-01-15 to 2026-01-19
Test voltage	:	Fully charged battery for main body
Test environment	:	Normal temperature
Operation mode	:	A
Test channel	:	Low / High
Ambient temperature	:	Refer to test results
Relative humidity	:	Refer to test results
Atmospheric pressure	:	Refer to test results

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

5.1.2 Radiated Spurious Emissions (EN 301 908-1/-13)

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 908-1 V15.2.1, EN 301 908-13 V13.2.1
Test requirement	:	EN 301 908-1 V15.2.1, Clause 4.2.2 EN 301 908-13 V13.2.1, Clause 4.2.10
Limit	:	EN 301 908-1 V15.2.1, Clause 4.2.2.2 EN 301 908-13 V13.2.1, Clause 4.2.10.2
Test suites	:	EN 301 908-1 V15.2.1, Clause 5.3.1 EN 301 908-13 V13.2.1, Clause 5.3.9
Kind of test site	:	3m Fully Anechoic Room

Test Setup

Date of testing	:	2026-01-15 to 2026-01-19
Test voltage	:	Fully charged battery for main body
Test environment	:	Normal temperature
Operation mode	:	A
Test channel	:	Middle
Ambient temperature	:	Refer to test results
Relative humidity	:	Refer to test results
Atmospheric pressure	:	Refer to test results

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

5.1.3 Radiated Spurious Emissions (EN 300 220)

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 220-2 V3.1.1
Basic standard	:	EN 300 220-1 V3.1.1
Test requirement	:	EN 300 220-2 V3.1.1, Clause 4.2.2.1
Limit	:	EN 300 220-2 V3.1.1, Clause 4.2.2.1.2
Test suites	:	EN 300 220-2 V3.1.1, Clause 5.9.3
Kind of test site	:	3m Fully Anechoic Room

Test Setup

Date of testing	:	2024-11-07 to 2024-12-20
Test voltage	:	Fully charged battery for main body AC 230V, 50Hz for RTK station from charger base
Test environment	:	Normal temperature
Operation mode	:	A
Test channel	:	Low / High
Ambient temperature	:	Refer to test results
Relative humidity	:	Refer to test results
Atmospheric pressure	:	Refer to test results

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

5.1.4 Radiated Spurious Emissions (EN 303 413)

RESULT: **Pass**

Test Specification

Test standard	:	EN 303 413 V1.2.1
Test requirement	:	EN 303 413 V1.2.1, Clause 4.2.2
Limit	:	EN 303 413 V1.2.1, Clause 4.2.2.2
Test suites	:	EN 303 413 V1.2.1, Clause 5.5
Kind of test site	:	3m Fully Anechoic Room

Test Setup

Date of testing	:	2024-12-20
Test voltage	:	Fully charged battery for main body AC 230V, 50Hz for RTK station from charger base
Test environment	:	Normal temperature
Operation mode	:	B
Ambient temperature	:	Refer to test results
Relative humidity	:	Refer to test results
Atmospheric pressure	:	Refer to test results

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

For the measurement records, refer to the appendix A.

5.1.5 Co-located Radiated Spurious Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 EN 300 220-2 V3.1.1 EN 301 908-1 V15.2.1
Refer standard	:	EG 203 367 V1.1.1: 2016
Test requirement	:	EG 203 367 V1.1.1: 2016, Clause 6.2
Limit	:	Least stringent limits of EN 300 328, EN 300 220-2 and EN 301 908-1
Kind of test site	:	3m Fully Anechoic Room

Test Setup

Date of testing	:	2024-11-28
Test voltage	:	Fully charged battery for main body
Test environment	:	Normal temperature
Operation mode	:	C
Ambient temperature	:	Refer to test results
Relative humidity	:	Refer to test results
Atmospheric pressure	:	101 kPa

Note: The test plots of Co-located radiated spurious emissions beyond the limit are the fundamental radio frequency of BT/Wi-Fi with Lora and LTE.

For the measurement records, refer to the appendix A.

6 Safety Human Exposure

6.1 Human Exposure to Electromagnetic Fields

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

Test standard	EN IEC 62311: 2020
Limit	Table 2 of 1999/519/EC Annex III for Reference Levels

a) RF Exposure Limit

Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	4 000/f	5 000/f	—
0,025-0,8 kHz	250/f	4/f	5/f	—
0,8-3 kHz	250/f	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	0,73/f	0,92/f	—
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

b) Evaluation methods

The compliance is demonstrated based on the following spherical formulas for basic computations (use of the far-field spherical formula in the near-field region will overestimate the field strength levels):

(1) The power density according to far-field model is:

$$S = \frac{P \times G_{(,)}}{4 \times \quad \times R^2}$$

Where:

P = input power of the antenna.

G = antenna gain relative to an isotropic antenna.

, = elevation and azimuth angles.

R = distance from the antenna to the point of investigation.

(2) For single or multiple RF sources, the calculated power density should comply with following:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Where:

S_i = the power density when the f is i.

$S_{Limit,i}$ = the reference level requirement for power density when f is i.

f = operating frequency.

c) Evaluation results for stand-alone mode

For BT/WIFI/LTE/Lora function:

Operating Mode	Antenna Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power density@20cm(W/m²)	Limit (W/m²)	Result
Bluetooth	2.52	10.40	10.965	0.022	10	Pass
2.4G Wi-Fi	2.52	19.35	86.099	0.171	10	Pass
LTE band 1	4.16	29.16	824.1381	1.64	9.60	Pass
LTE band 3	1.22	26.22	418.7936	0.83	8.55	Pass
LTE band 5	-0.26	24.74	297.8516	0.59	4.12	Pass
LTE band 7	2.29	27.29	535.7967	1.07	10	Pass
LTE band 8	0.73	25.73	374.1106	0.74	4.40	Pass
LTE band 20	-0.26	24.74	297.8516	0.59	4.16	Pass
LTE band 28	3.48	28.48	704.6931	1.40	3.51	Pass
Lora (main body)	2	12.859	19.315	0.038	4.34	Pass
Lora (RTK station)	1	11.859	15.343	0.031	4.34	Pass

Note:

1. RF output power refer to test reports NTC1709196EV00, NTC1709184EV00, EC2009013RE02, SZ22070378W01, PD20230175RF01 and SZCR240300102402 issued by Dongguan Nore Testing Center Co., Ltd., Hunan Ecloud Testing Technology Co., Ltd., Shenzhen Morlab Communications Technology Co., Ltd., Hefei Panwin Technology Co., Ltd. and SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch.
2. R = 0.2m

For GNSS function:

According to EN 62479:2010 clause 4.1, the EUT is deemed to comply with the provisions of this standard because the EUT supports GNSS receiving function, it can be demonstrated using clause 4.1 routes A, therefore the EUT is deemed to fulfill the requirement without additional test.

d) Simultaneous Transmission operation mode

Operating Mode	BT/Wi-Fi	LTE	Lora	Sum Ratio	Limit	Verdict
BT + LTE + Lora	0.022	1.40	0.038	0.41	<1	Pass
Wi-Fi + LTE + Lora	0.171	1.40	0.038	0.42	<1	Pass

7 List of Tables

Appendix A: Test Results of Radiation Spurious Emissions

Appendix A.1: Test Results of Radiated Spurious Emissions -Bluetooth BR & BDR

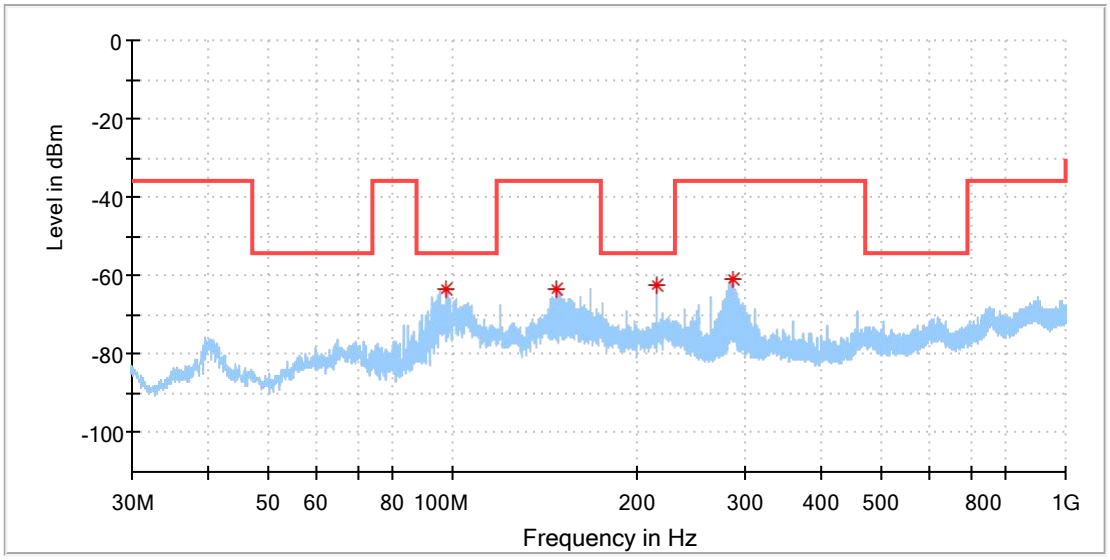
Note: 1. Testing was carried out within frequency range 25 MHz to the tenth harmonics. The measurement results below 30MHz and above 12.75GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 12.75GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

Transmitter Unwanted Emissions in the Spurious Domain

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

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_DH5 L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

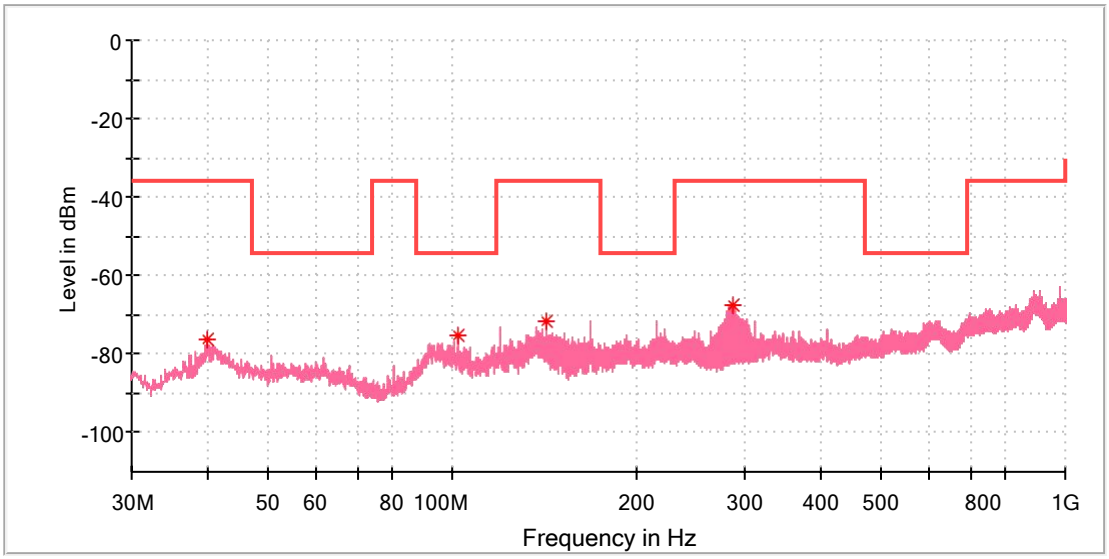


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
98.094000	-63.63	-54.00	9.63	150.0	H	219.0	-121.9
147.806500	-63.23	-36.00	27.23	150.0	H	3.0	-124.2
215.997500	-62.61	-54.00	8.61	150.0	H	20.0	-119.3
285.740500	-60.95	-36.00	24.95	150.0	H	128.0	-118.4

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_DH5 L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

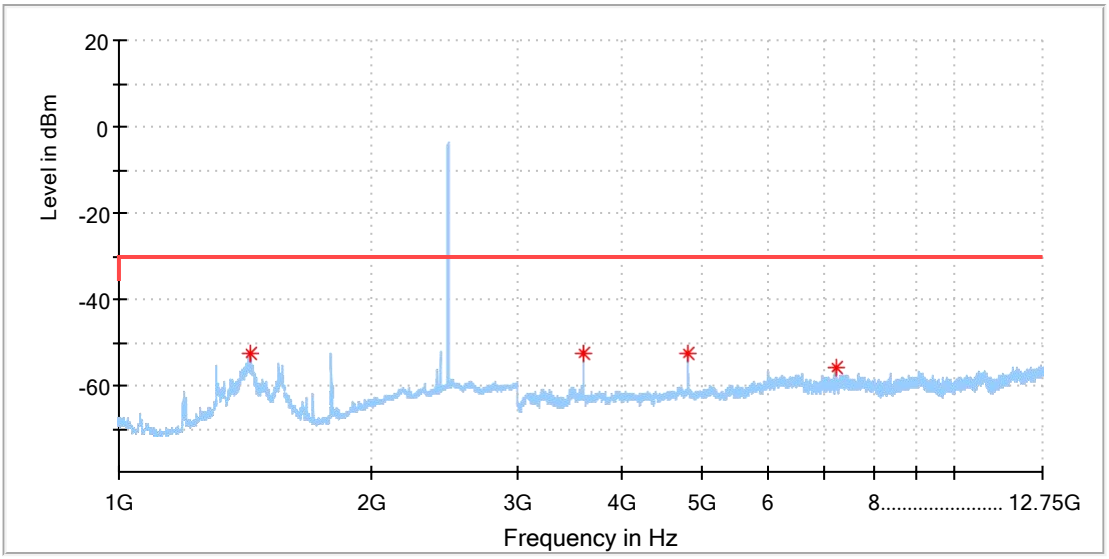


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.845500	-76.16	-36.00	40.16	150.0	V	70.0	-117.2
102.459000	-75.00	-54.00	21.00	150.0	V	113.0	-120.6
142.374500	-71.40	-36.00	35.40	150.0	V	210.0	-123.6
285.740500	-67.39	-36.00	31.39	150.0	V	227.0	-118.6

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_DH5 H CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

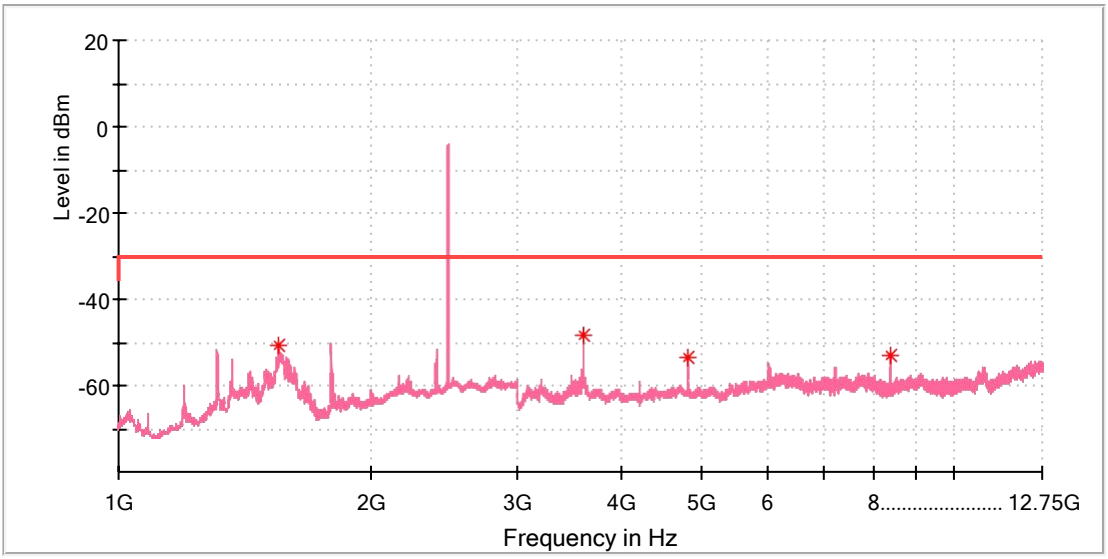


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1439.500000	-52.48	-30.00	22.48	150.0	H	0.0	-99.6
3600.000000	-52.49	-30.00	22.49	150.0	H	335.0	-95.1
4800.500000	-52.67	-30.00	22.67	150.0	H	158.0	-92.8
7200.053572	-55.76	-30.00	25.76	150.0	H	256.0	-88.9

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_DH5 H CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1558.000000	-50.67	-30.00	20.67	150.0	V	298.0	-98.3
3600.000000	-48.16	-30.00	18.16	150.0	V	219.0	-94.9
4800.000000	-53.55	-30.00	23.55	150.0	V	32.0	-93.2
8399.625000	-53.20	-30.00	23.20	150.0	V	235.0	-89.3

Appendix A.2: Test Results of Radiated Spurious Emissions -Bluetooth LE

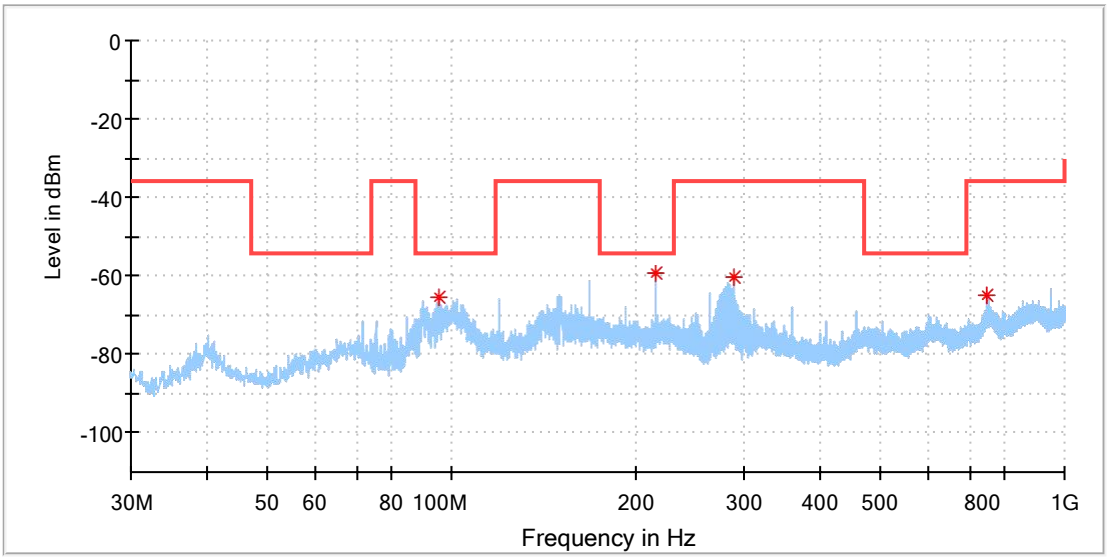
Note: 1. Testing was carried out within frequency range 25 MHz to the tenth harmonics. The measurement results below 30MHz and above 12.75GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 12.75GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

Transmitter Unwanted Emissions in the Spurious Domain

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

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_BLE L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

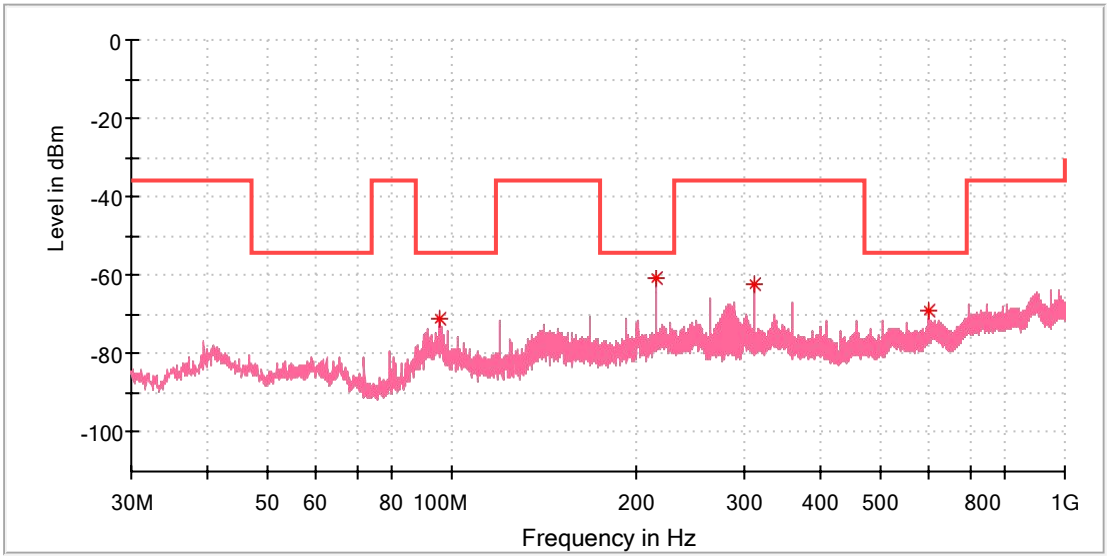


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.329500	-65.56	-54.00	11.56	150.0	H	249.0	-122.0
215.997500	-59.49	-54.00	5.49	150.0	H	234.0	-119.3
287.971500	-60.51	-36.00	24.51	150.0	H	14.0	-118.3
744.065500	-65.09	-36.00	29.09	150.0	H	128.0	-106.2

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_BLE L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

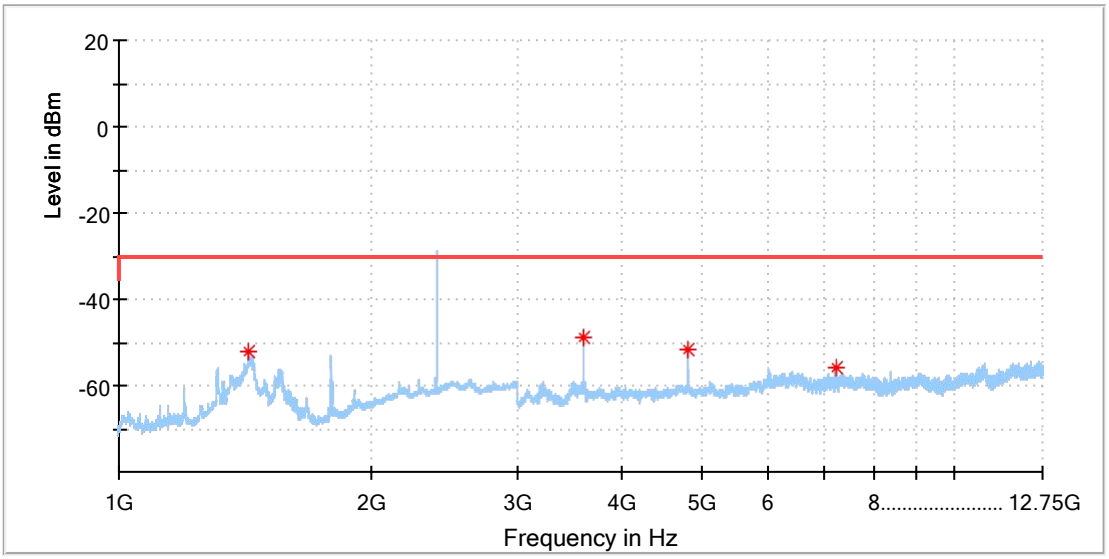


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.523500	-71.11	-54.00	17.11	150.0	V	122.0	-121.1
215.997500	-61.03	-54.00	7.03	150.0	V	333.0	-119.6
312.027500	-62.24	-36.00	26.24	150.0	V	5.0	-116.9
600.020500	-69.02	-54.00	15.02	150.0	V	236.0	-109.7

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_BLE L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

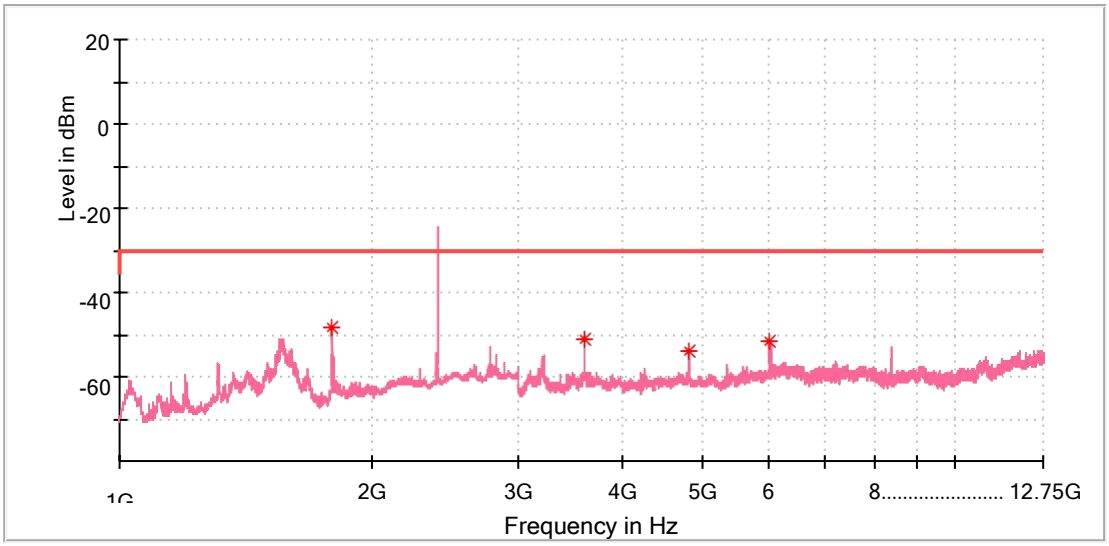


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1434.500000	-51.92	-30.00	21.92	150.0	H	0.0	-99.8
3599.500000	-48.70	-30.00	18.70	150.0	H	219.0	-95.1
4800.000000	-51.79	-30.00	21.79	150.0	H	2.0	-92.8
7200.053572	-55.78	-30.00	25.78	150.0	H	230.0	-88.9

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_BLE L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1800.000000	-48.17	-30.00	18.17	150.0	V	300.0	-96.9
3600.000000	-51.17	-30.00	21.17	150.0	V	18.0	-94.9
4800.000000	-53.87	-30.00	23.87	150.0	V	216.0	-93.2
6000.000000	-51.83	-30.00	21.83	150.0	V	238.0	-90.2

Appendix A.3: Test Results of Radiated Spurious Emissions - 2.4GHz Wi-Fi

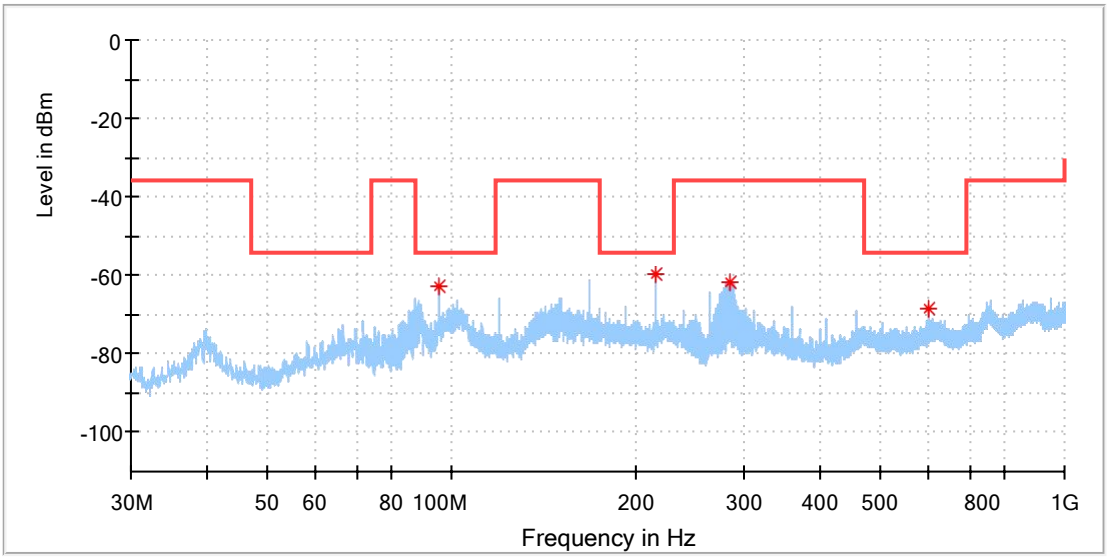
Note: 1. Testing was carried out within frequency range 25 MHz to the tenth harmonics. The measurement results below 30MHz and above 12.75GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 12.75GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

Transmitter Unwanted Emissions in the Spurious Domain

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_11B L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

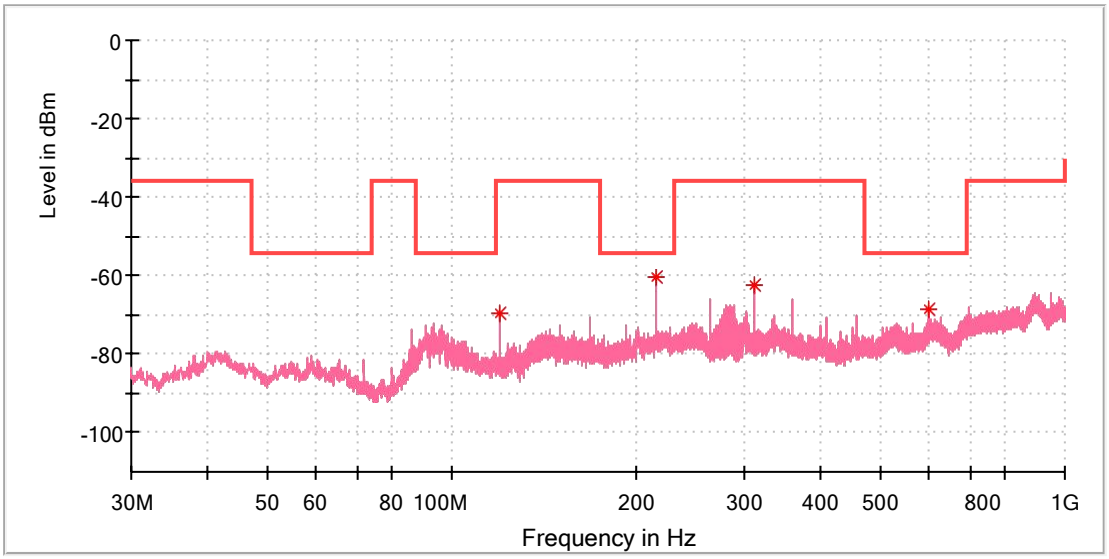


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.523500	-63.18	-54.00	9.18	150.0	H	81.0	-122.0
215.997500	-60.01	-54.00	6.01	150.0	H	230.0	-119.3
283.946000	-61.99	-36.00	25.99	150.0	H	46.0	-118.4
600.020500	-68.36	-54.00	14.36	150.0	H	148.0	-109.6

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_11B L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

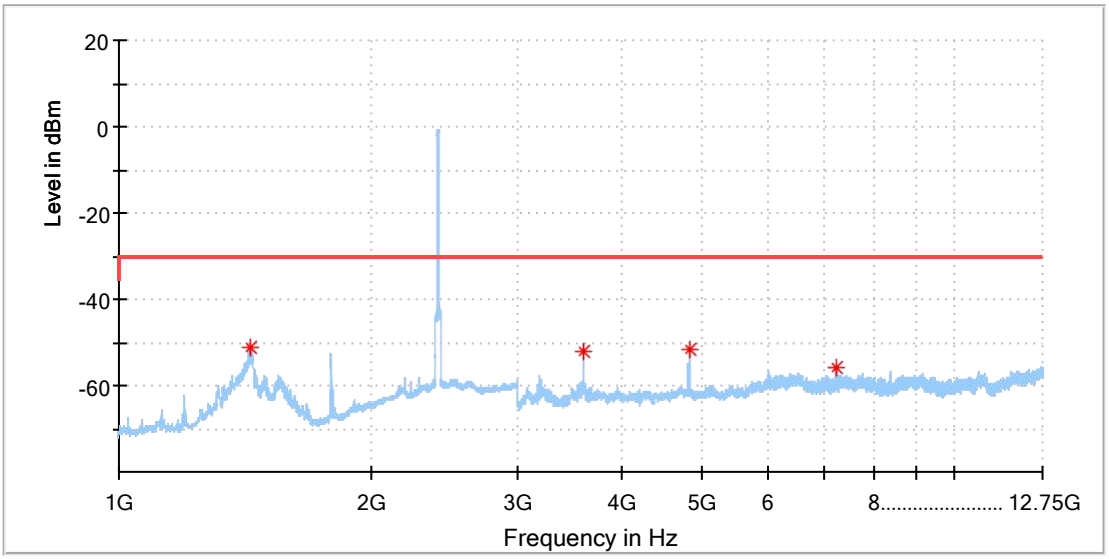


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
119.967500	-69.56	-36.00	33.56	150.0	V	298.0	-121.8
215.997500	-60.57	-54.00	6.57	150.0	V	339.0	-119.6
311.979000	-62.42	-36.00	26.42	150.0	V	358.0	-116.9
600.020500	-68.40	-54.00	14.40	150.0	V	204.0	-109.7

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_11B L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang

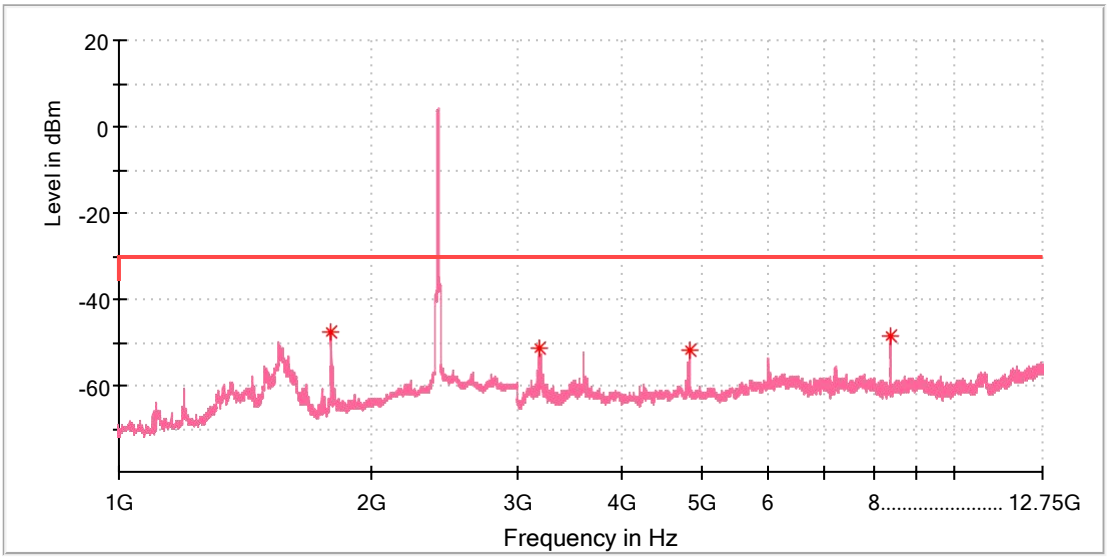


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1439.000000	-51.22	-30.00	21.22	150.0	H	0.0	-99.7
3602.500000	-52.30	-30.00	22.30	150.0	H	219.0	-95.1
4824.000000	-51.55	-30.00	21.55	150.0	H	356.0	-93.0
7236.214286	-55.64	-30.00	25.64	150.0	H	217.0	-89.1

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_11B L CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300328
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1800.000000	-47.26	-30.00	17.26	150.0	V	289.0	-96.9
3191.500000	-51.11	-30.00	21.11	150.0	V	169.0	-94.7
4824.000000	-51.45	-30.00	21.45	150.0	V	264.0	-93.3
8400.107143	-48.35	-30.00	18.35	150.0	V	235.0	-89.3

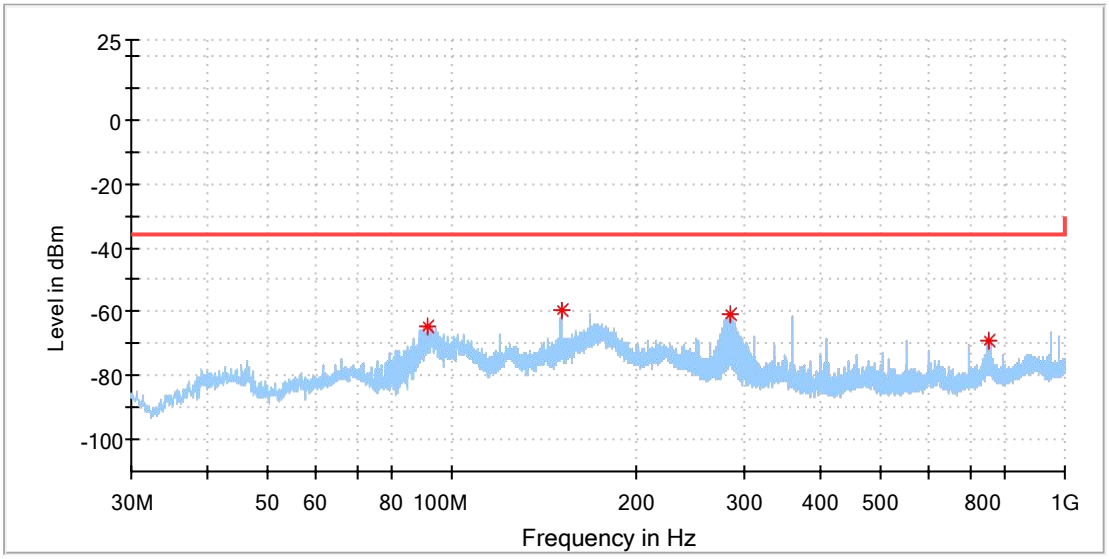
Appendix A.4: Test Results of Radiated Spurious Emissions -LTE Band

Note: 1. The test results and plots shown as below is the WORST case for all test modes. 2. The highest waveform in the figure is LTE Fundamental.

Transmitter Unwanted Emissions in the Spurious Domain

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1 MID CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

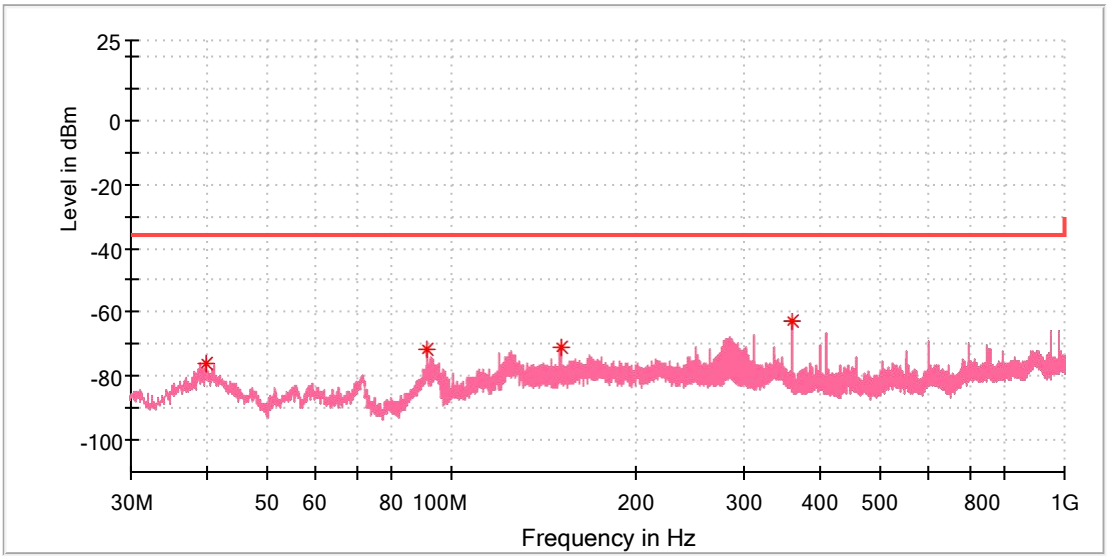


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
91.207000	-64.59	-36.00	28.59	150.0	H	86.0	-122.9
151.250000	-59.84	-36.00	23.84	150.0	H	24.0	-123.3
283.994500	-61.21	-36.00	25.21	150.0	H	36.0	-118.4
750.904000	-68.95	-36.00	32.95	150.0	H	283.0	-105.7

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1 MID CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

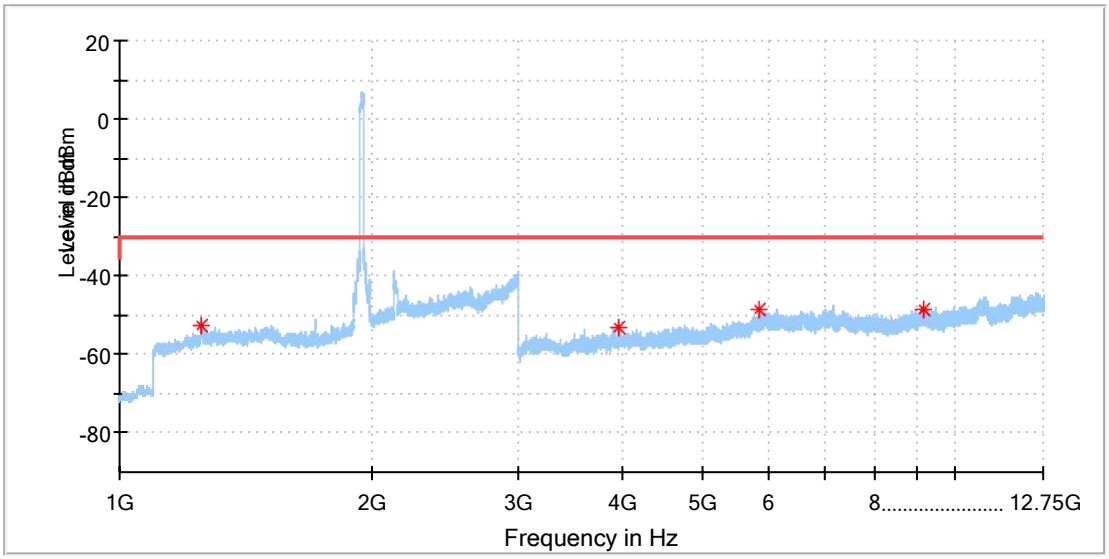


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.797000	-76.09	-36.00	40.09	150.0	V	4.0	-117.3
91.643500	-71.85	-36.00	35.85	150.0	V	232.0	-121.9
151.250000	-70.76	-36.00	34.76	150.0	V	248.0	-123.4
359.994000	-63.13	-36.00	27.13	150.0	V	200.0	-115.1

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1 MID CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

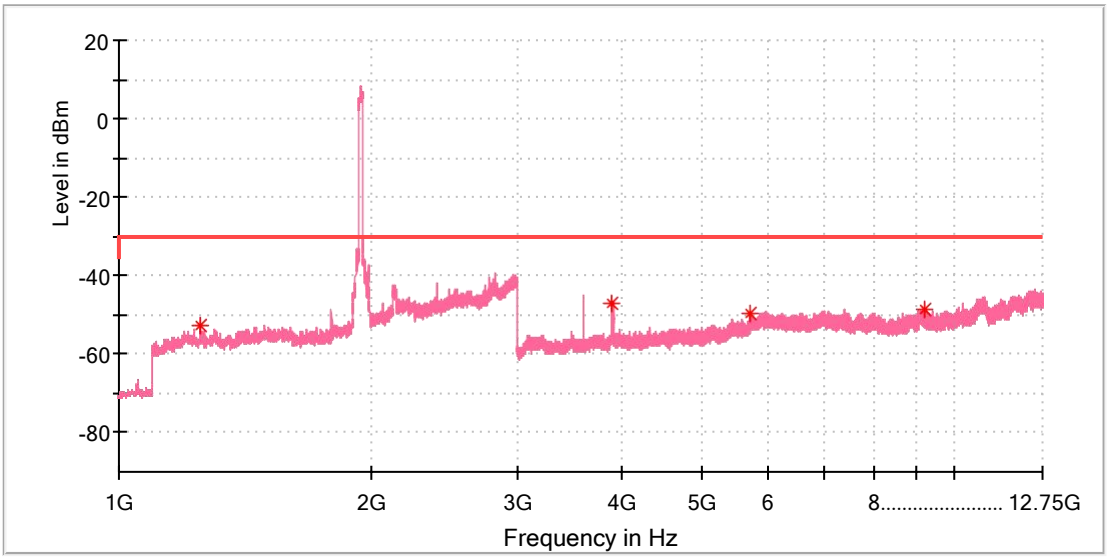


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1254.000000	-52.57	-30.00	22.57	150.0	H	102.0	-89.9
3949.162500	-53.35	-30.00	23.35	150.0	H	308.0	-94.5
5836.762500	-48.42	-30.00	18.42	150.0	H	101.0	-90.2
9172.237500	-48.36	-30.00	18.36	150.0	H	101.0	-88.0

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1 MID CH
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1255.000000	-52.74	-30.00	22.74	150.0	V	358.0	-90.7
3899.925000	-47.01	-30.00	17.01	150.0	V	242.0	-94.1
5681.737500	-49.46	-30.00	19.46	150.0	V	43.0	-90.6
9209.287500	-48.56	-30.00	18.56	150.0	V	17.0	-88.4

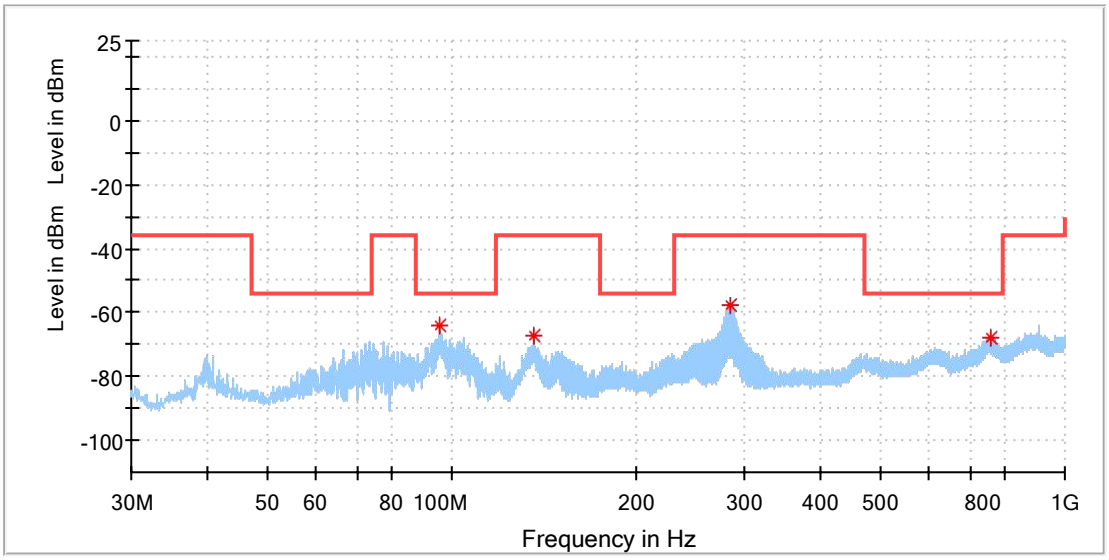
Appendix A.5: Test Results of Radiated Spurious Emissions -868MHz (main body)

Note: 1. The test results and plots shown as below is the WORST case for all test modes. 2. The highest waveform in the figure is 868MHz Fundamental.

Tx, Below 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang

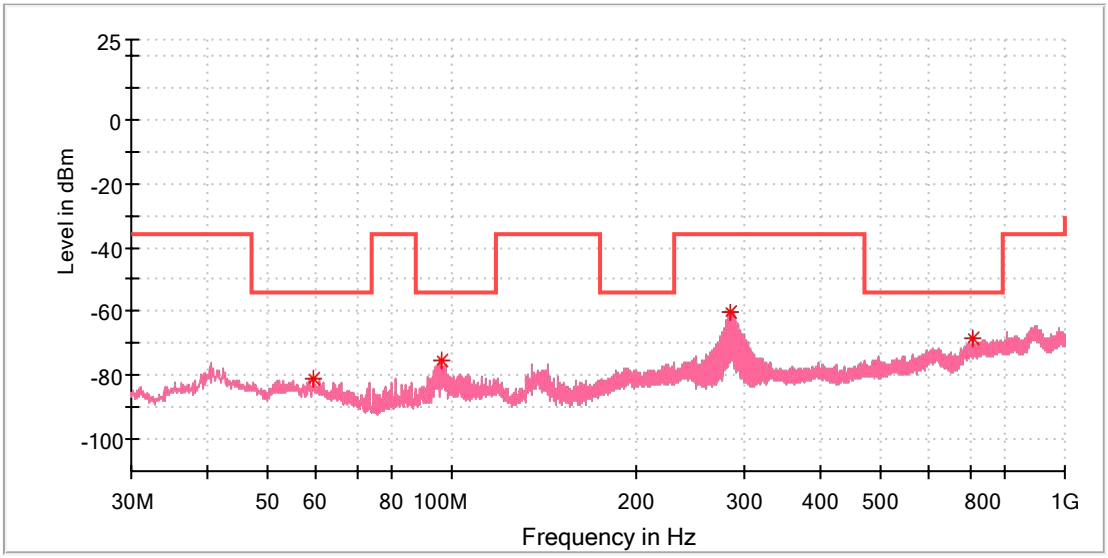


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Comment
95.636667	-64.18	-54.00	10.18	150.0	H	245.0	-122.0	
136.592222	-67.07	-36.00	31.07	150.0	H	268.0	-124.1	
283.924444	-58.04	-36.00	22.04	150.0	H	358.0	-118.4	
756.206667	-67.62	-54.00	13.62	150.0	H	188.0	-105.7	

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang



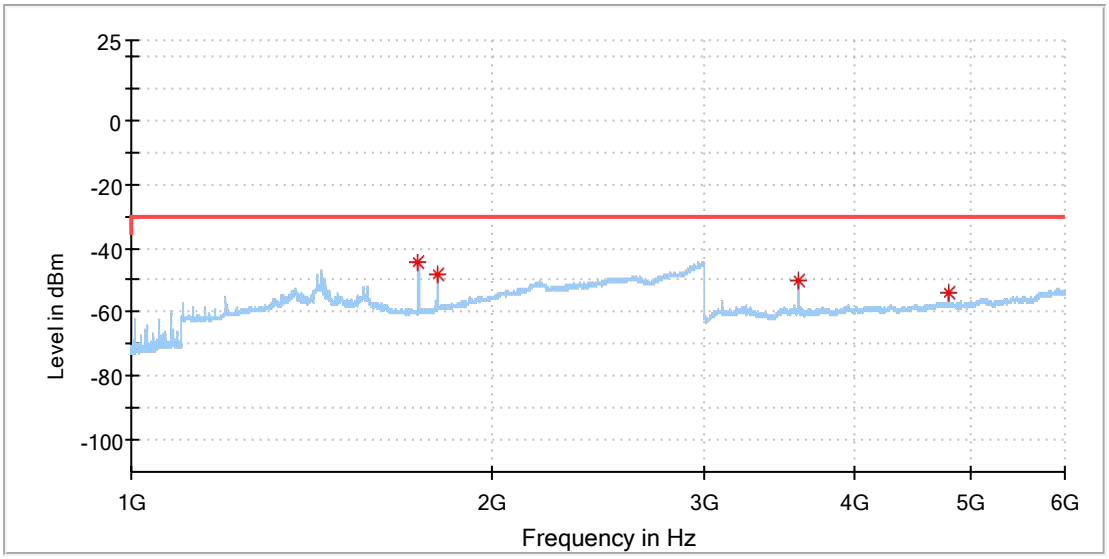
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
59.369444	-81.00	-54.00	27.00	150.0	V	284.0	-119.5
95.960000	-75.26	-54.00	21.26	150.0	V	338.0	-121.1
283.924444	-60.17	-36.00	24.17	150.0	V	344.0	-118.5
705.012222	-68.42	-54.00	14.42	150.0	V	57.0	-107.6

Tx, Above 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang

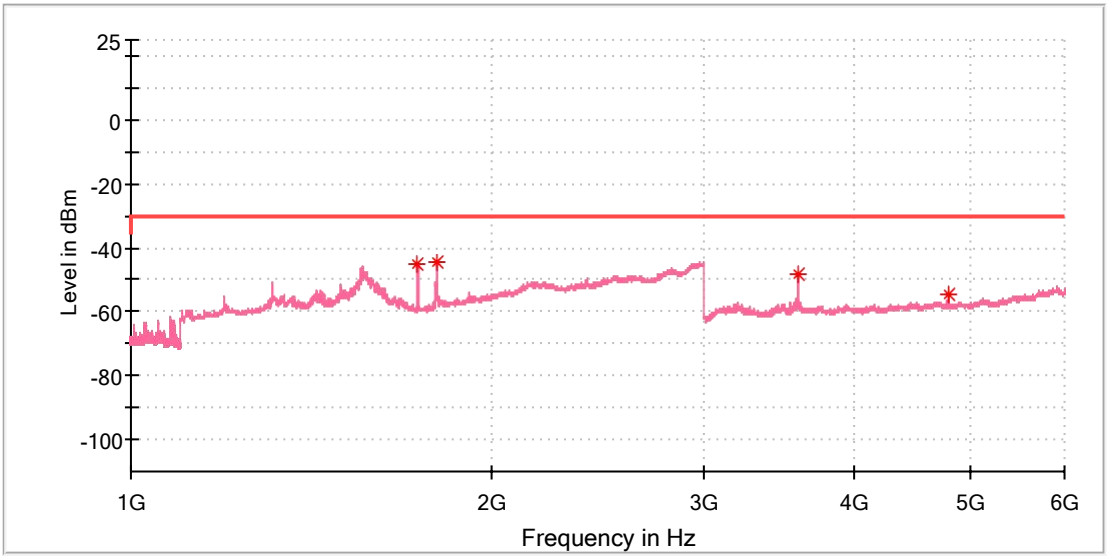


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Comment
1735.796296	-44.73	-30.00	14.73	150.0	H	141.0	-87.6	
1799.833333	-48.31	-30.00	18.31	150.0	H	262.0	-86.8	
3600.000000	-50.42	-30.00	20.42	150.0	H	332.0	-95.1	
4800.000000	-53.81	-30.00	23.81	150.0	H	212.0	-92.8	

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1736.148148	-45.32	-30.00	15.32	150.0	V	114.0	-87.3
1799.833333	-44.98	-30.00	14.98	150.0	V	264.0	-86.6
3600.000000	-48.54	-30.00	18.54	150.0	V	274.0	-94.9
4800.000000	-54.66	-30.00	24.66	150.0	V	252.0	-93.2

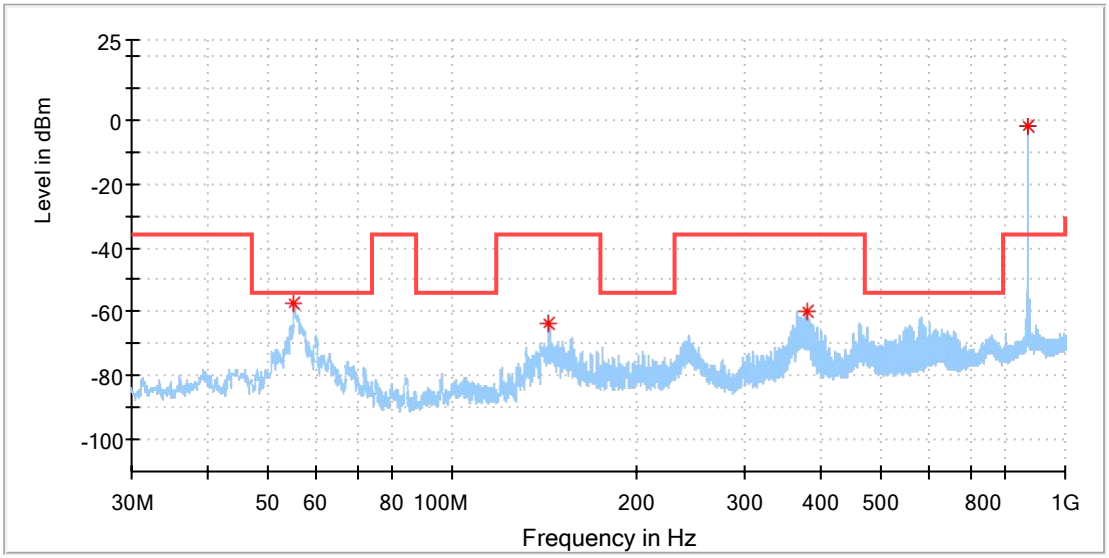
Appendix A.6: Test Results of Radiated Spurious Emissions -868MHz (RTK station)

Note: 1. The test results and plots shown as below is the WORST case for all test modes. 2. The highest waveform in the figure is 868MHz Fundamental.

Tx, Below 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	AC 230V, 50HZ
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang

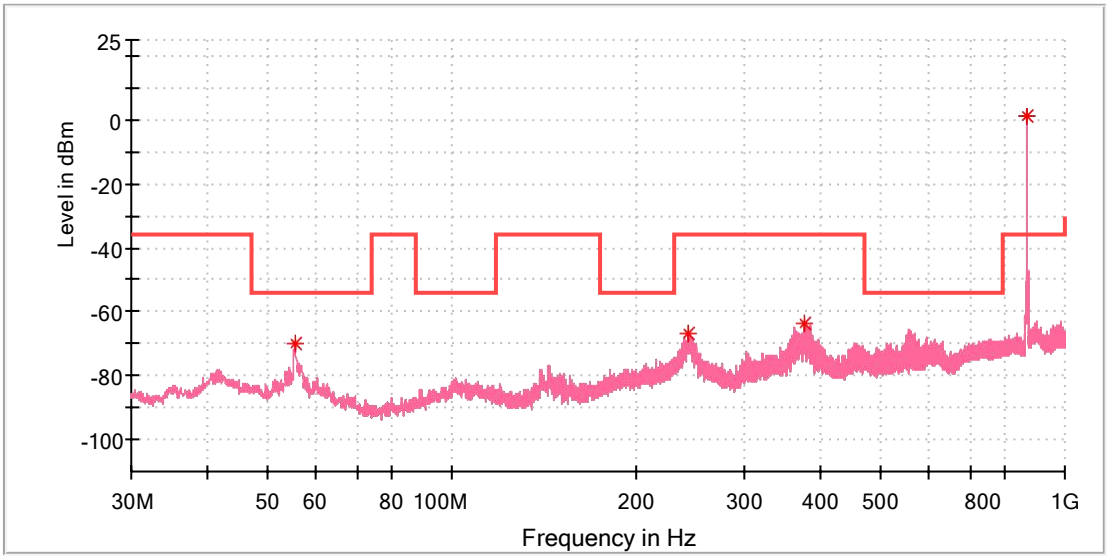


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.381667	-57.47	-54.00	3.47	150.0	H	198.0	-120.3
144.028889	-63.65	-36.00	27.65	150.0	H	11.0	-123.9
379.900556	-59.83	-36.00	23.83	150.0	H	262.0	-115.2
868.026111	-1.97	-36.00	-34.03	150.0	H	110.0	-105.4

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	AC 230V, 50HZ
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang



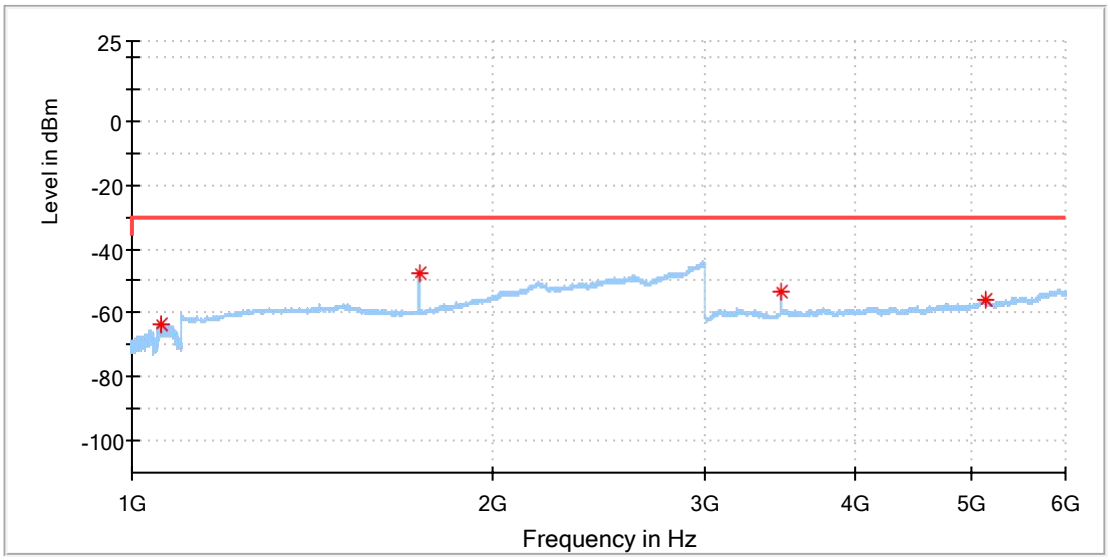
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.543333	-69.55	-54.00	15.55	150.0	V	267.0	-119.1
242.483889	-66.70	-36.00	30.70	150.0	V	48.0	-117.5
377.044444	-63.25	-36.00	27.25	150.0	V	245.0	-114.6
868.080000	0.94	-36.00	-36.94	150.0	V	28.0	-105.9

Tx, Above 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	AC 230V, 50HZ
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang

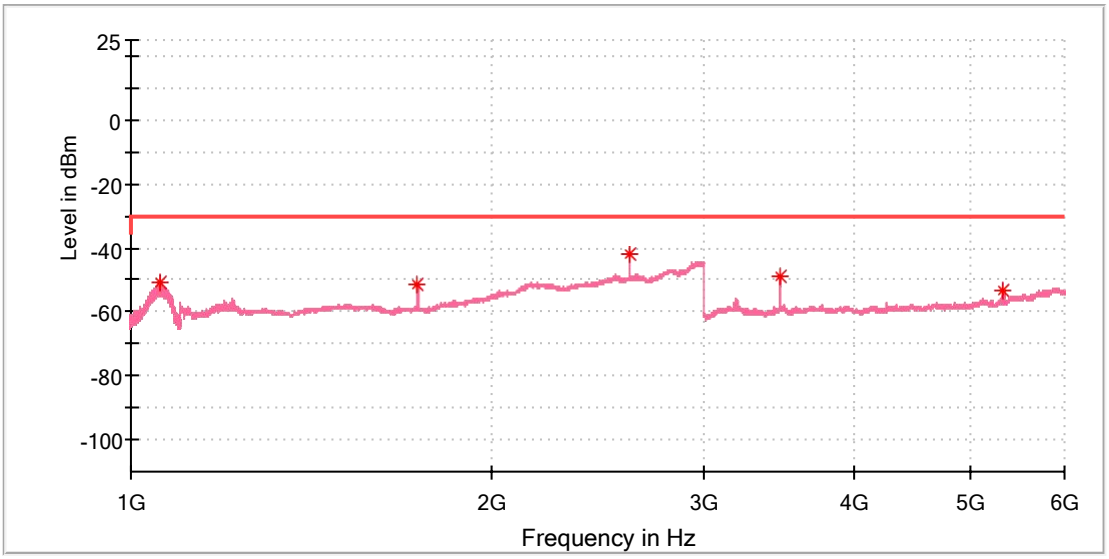


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1058.462963	-63.70	-30.00	33.70	150.0	H	307.0	-103.7
1736.500000	-48.11	-30.00	18.11	150.0	H	248.0	-87.7
3471.666667	-53.51	-30.00	23.51	150.0	H	202.0	-95.3
5140.000000	-55.95	-30.00	25.95	150.0	H	0.0	-91.8

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LORA 868
Test Voltage:	AC 230V, 50HZ
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 300220
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1058.592593	-51.24	-30.00	21.24	150.0	V	201.0	-103.2
1736.148148	-51.46	-30.00	21.46	150.0	V	202.0	-87.3
2604.518519	-42.48	-30.00	12.48	150.0	V	72.0	-81.0
3471.111111	-49.34	-30.00	19.34	150.0	V	297.0	-94.8
5333.888889	-53.74	-30.00	23.74	150.0	V	294.0	-92.0

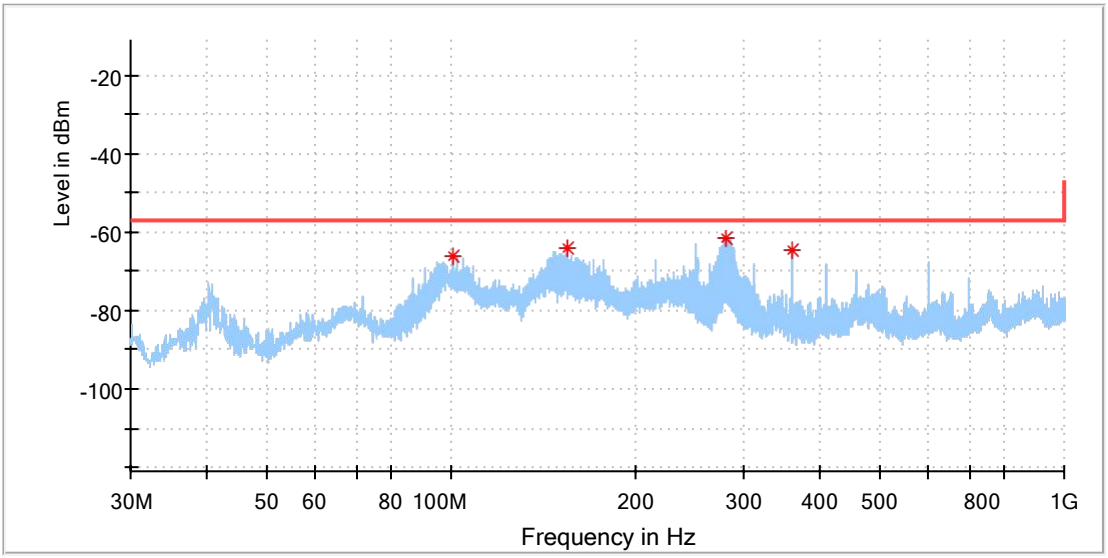
Appendix A.7: Test Results of Receiver Spurious Emissions -GNSS (main body)

Note: The test results and plots shown as below is the WORST case for all test modes.

Below 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Battery
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang

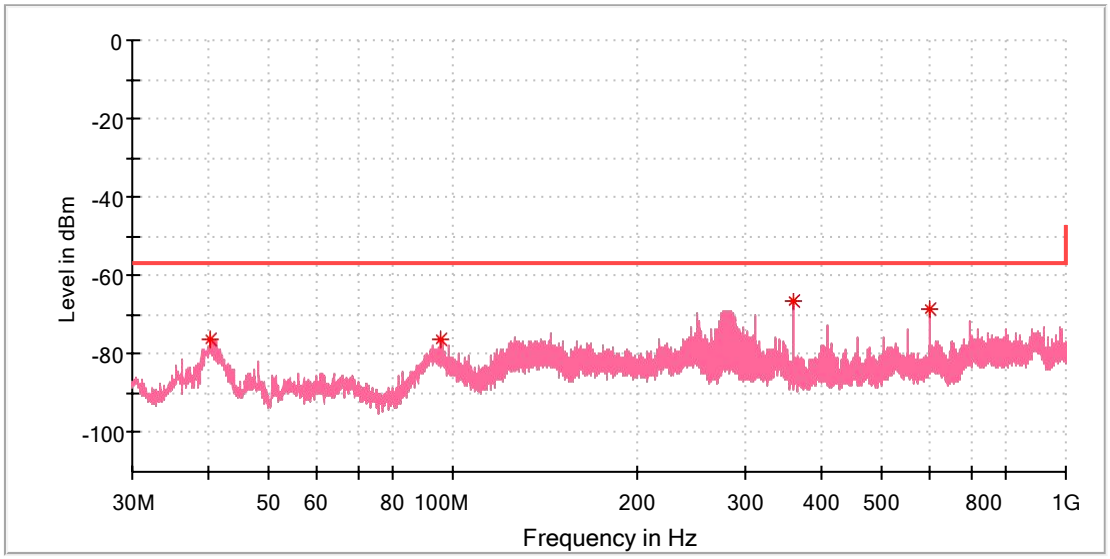


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.519000	-66.06	-57.00	9.06	150.0	H	108.0	-120.9
154.402500	-63.98	-57.00	6.98	150.0	H	116.0	-123.0
279.775000	-61.50	-57.00	4.50	150.0	H	227.0	-118.5
359.994000	-64.53	-57.00	7.53	150.0	H	145.0	-115.6

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Battery
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang



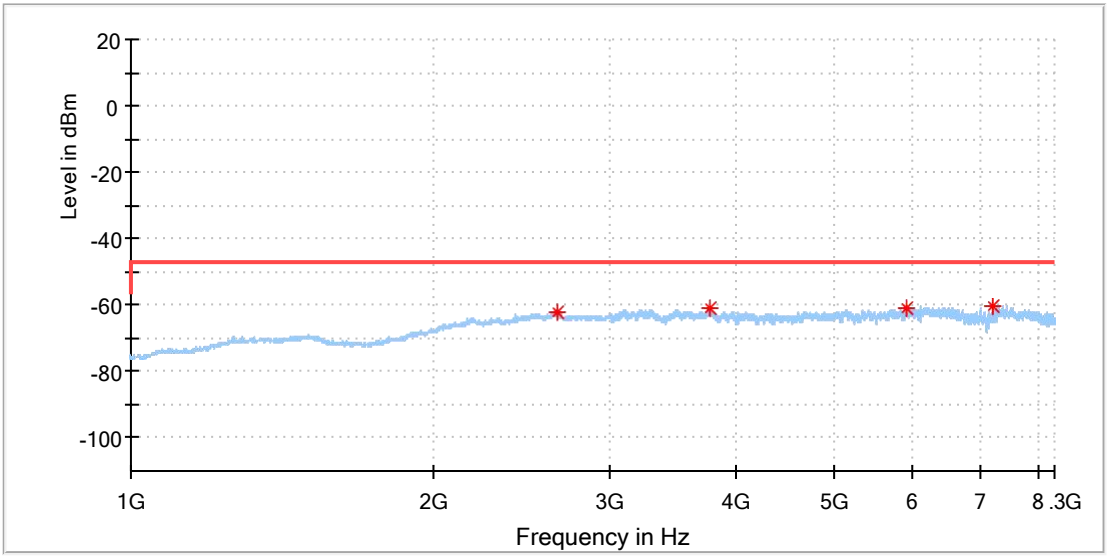
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.330500	-76.34	-57.00	19.34	150.0	V	157.0	-116.8
95.329500	-76.36	-57.00	19.36	150.0	V	29.0	-121.0
359.994000	-66.43	-57.00	9.43	150.0	V	2.0	-115.1
600.020500	-68.51	-57.00	11.51	150.0	V	29.0	-109.7

Above 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Battery
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang

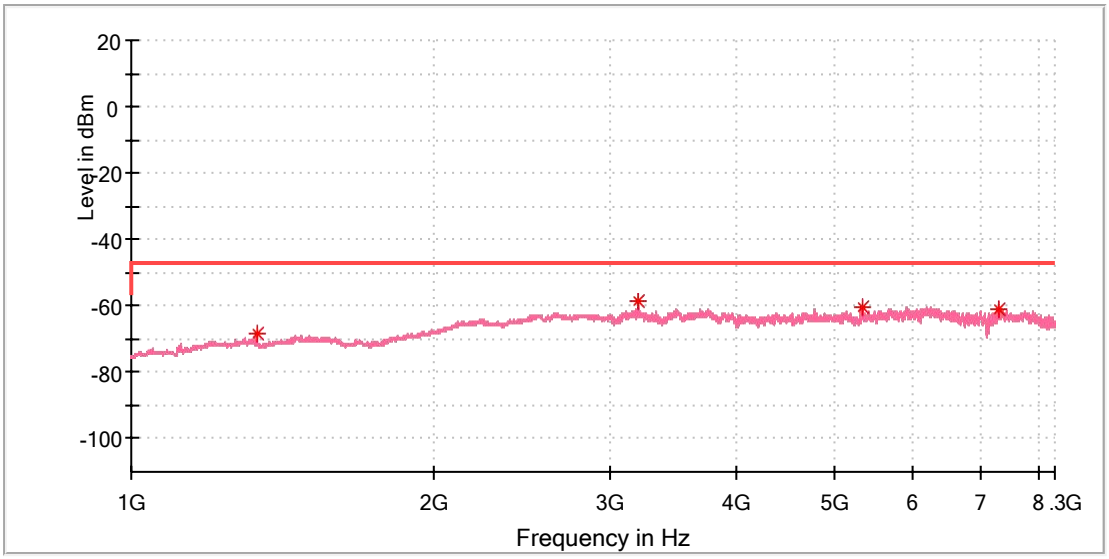


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2657.500000	-62.09	-47.00	15.09	150.0	H	91.0	-92.1
3765.555556	-61.32	-47.00	14.32	150.0	H	81.0	-94.3
5920.594445	-60.75	-47.00	13.75	150.0	H	33.0	-89.8
7213.500000	-60.43	-47.00	13.43	150.0	H	160.0	-89.0

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Battery
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1332.500000	-68.42	-47.00	21.42	150.0	V	3.0	-101.2
3195.805556	-58.56	-47.00	11.56	150.0	V	20.0	-94.6
5342.894445	-60.37	-47.00	13.37	150.0	V	95.0	-92.0
7283.872222	-61.29	-47.00	14.29	150.0	V	191.0	-89.0

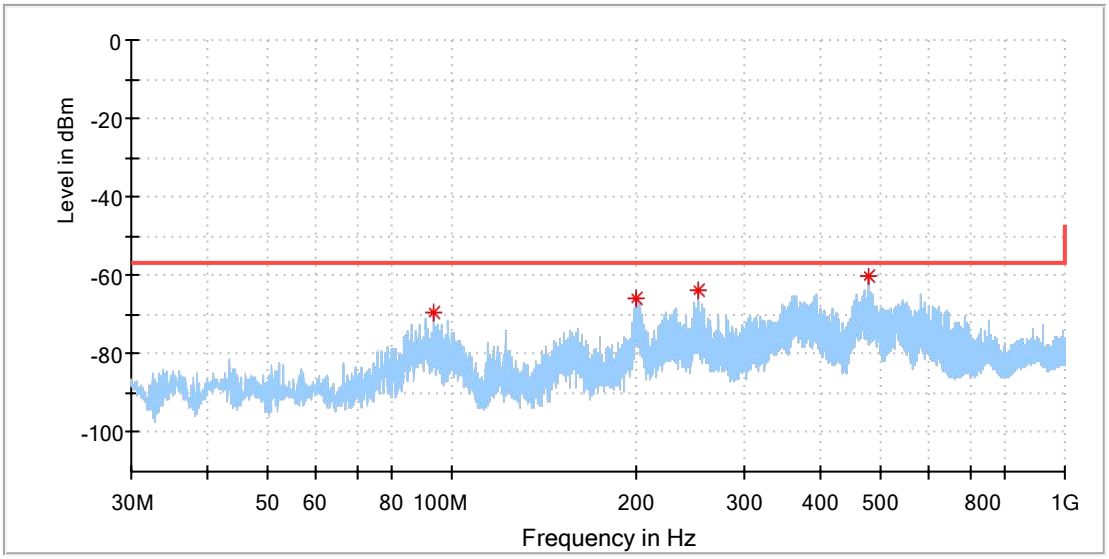
Appendix A.8: Test Results of Receiver Spurious Emissions -GNSS (charging base)

Note: The test results and plots shown as below is the WORST case for all test modes.

Below 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Adaptor
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang

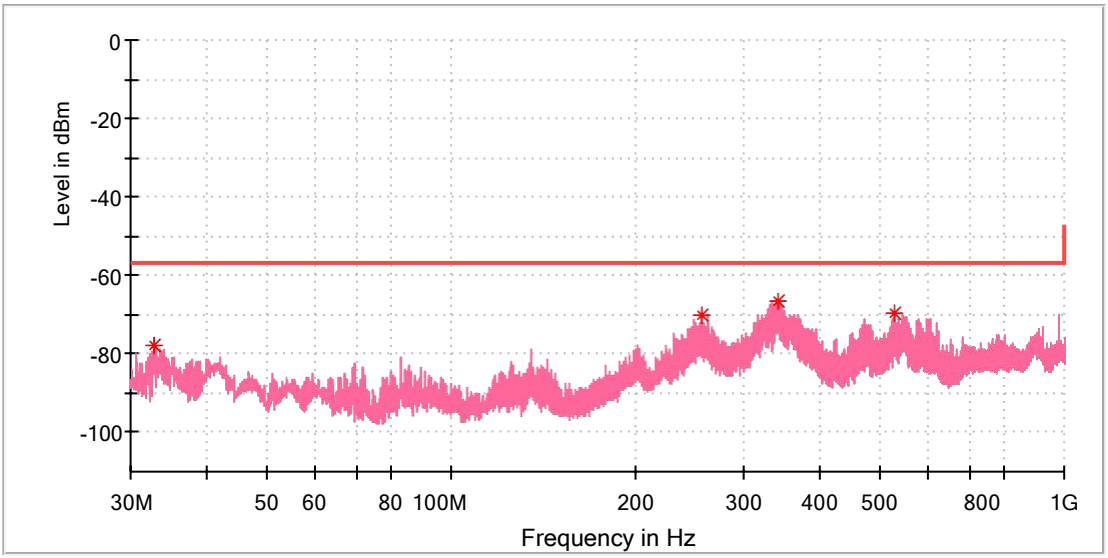


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
93.729000	-69.76	-57.00	12.76	150.0	H	82.0	-122.1
199.944000	-66.21	-57.00	9.21	150.0	H	121.0	-118.8
478.916000	-60.56	-57.00	3.56	150.0	H	149.0	-111.1
251.839000	-64.19	-57.00	7.19	150.0	H	300.0	-117.9

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Adaptor
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang



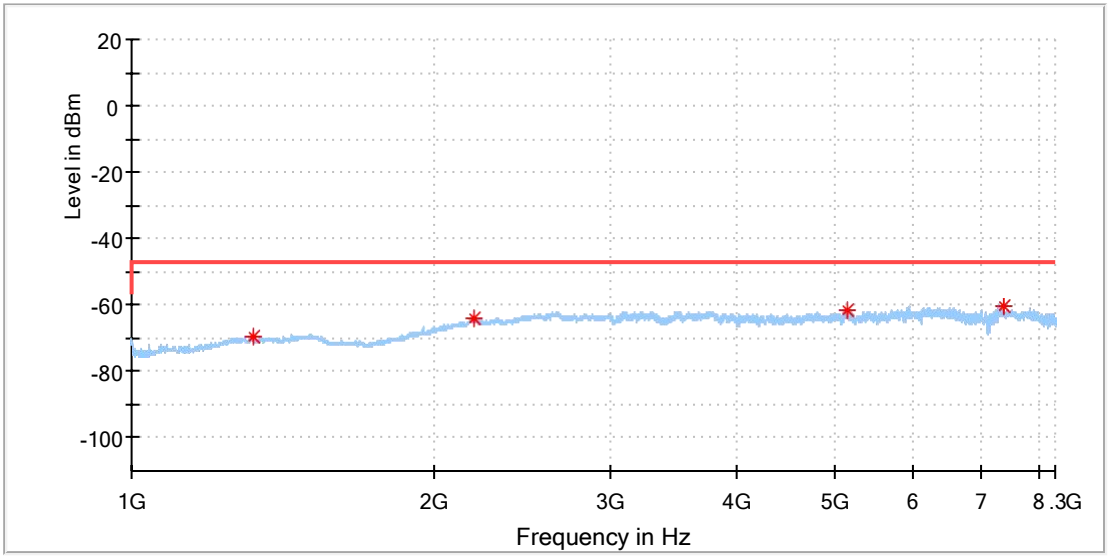
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.764500	-78.01	-57.00	21.01	150.0	V	357.0	-122.8
255.234000	-69.99	-57.00	12.99	150.0	V	233.0	-117.9
341.564000	-66.60	-57.00	9.60	150.0	V	271.0	-114.3
528.822500	-69.76	-57.00	12.76	150.0	V	215.0	-112.2

Above 1GHz

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Adaptor
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang

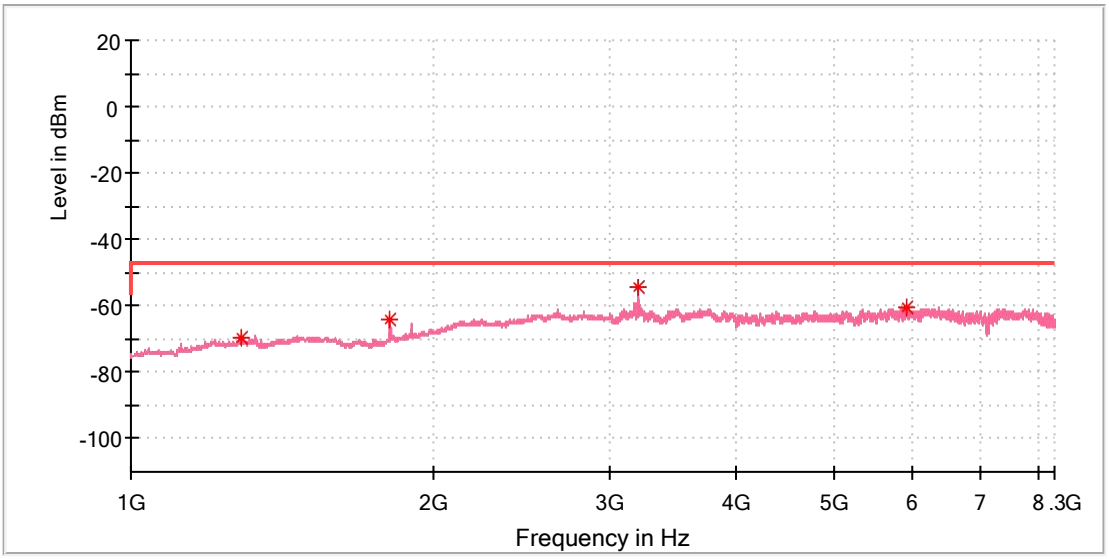


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1326.000000	-69.46	-47.00	22.46	150.0	H	122.0	-100.1
2195.500000	-64.10	-47.00	17.10	150.0	H	156.0	-93.3
5145.911111	-61.43	-47.00	14.43	150.0	H	87.0	-91.8
7366.316667	-60.70	-47.00	13.70	150.0	H	2.0	-88.3

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	RX_GPS
Test Voltage:	Adaptor
Remark:	Temp:23.6;Humi:52%
Test standard:	EN 303413
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1286.500000	-69.29	-47.00	22.29	150.0	V	196.0	-100.8
1810.000000	-64.34	-47.00	17.34	150.0	V	0.0	-97.0
3198.455556	-54.44	-47.00	7.44	150.0	V	184.0	-94.6
5919.711111	-60.46	-47.00	13.46	150.0	V	0.0	-89.8

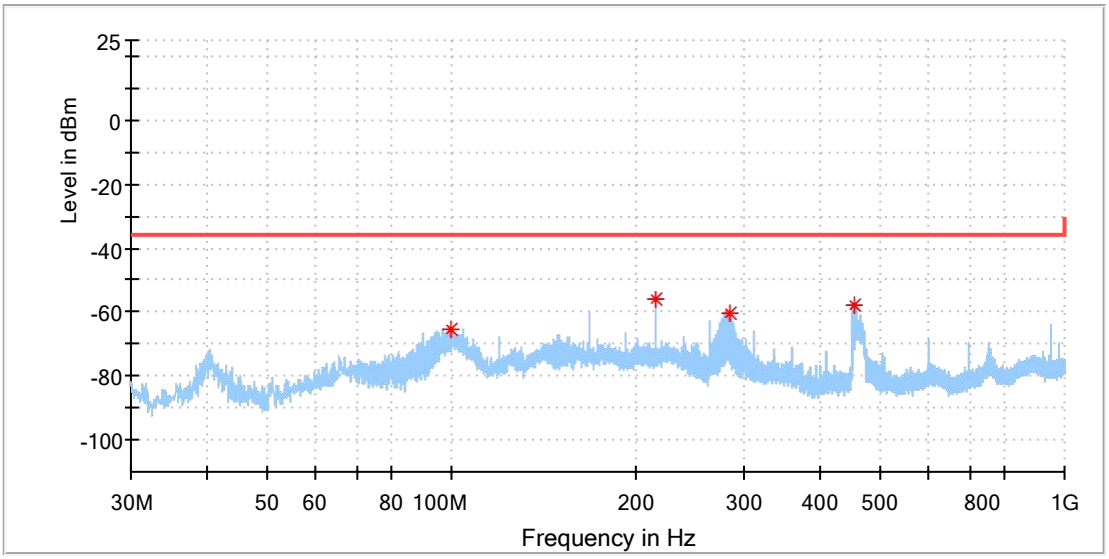
Appendix A.9: Test Results of Radiated Spurious Emissions -Co-location (main body)

Transmitter Unwanted Emissions in the Spurious Domain

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

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1+WIFI+LORA
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

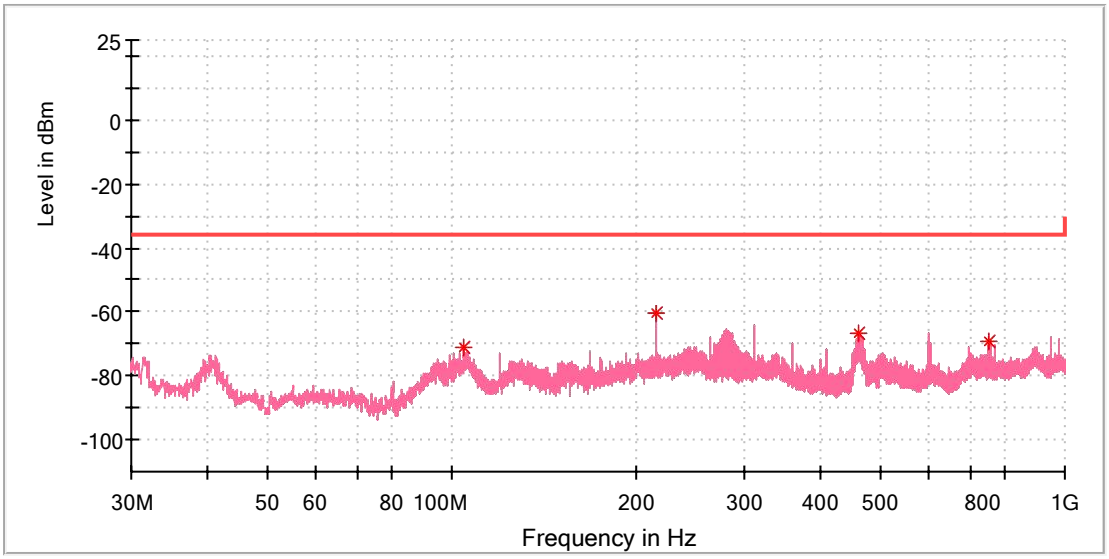


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
99.937000	-65.11	-36.00	29.11	150.0	H	0.0	-121.1
215.997500	-55.99	-36.00	19.99	150.0	H	122.0	-119.3
283.946000	-60.44	-36.00	24.44	150.0	H	270.0	-118.4
454.860000	-58.13	-36.00	22.13	150.0	H	116.0	-111.9

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1+WIFI+LORA
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

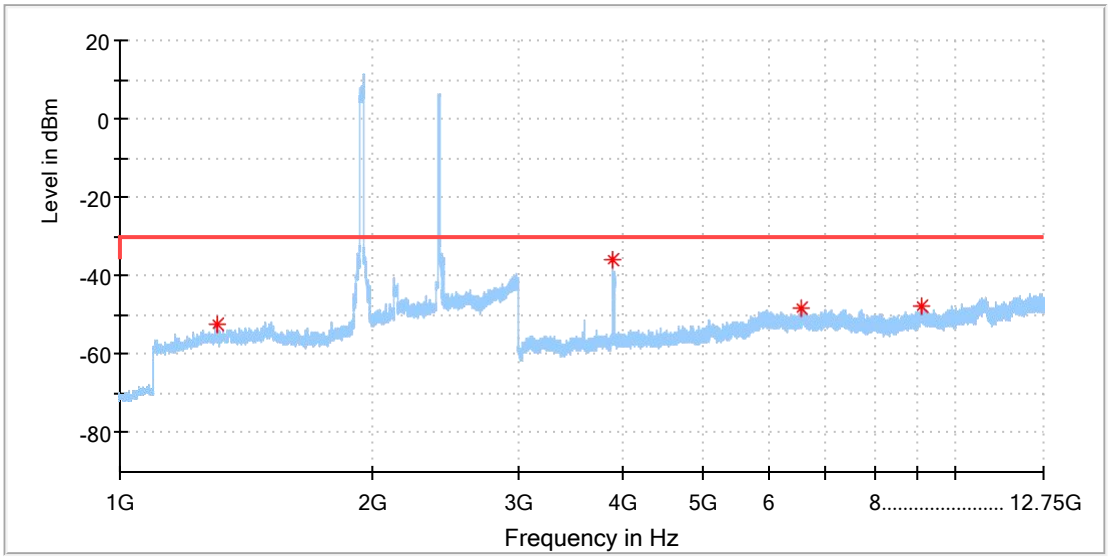


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
104.447500	-71.31	-36.00	35.31	150.0	V	142.0	-121.1
215.997500	-60.36	-36.00	24.36	150.0	V	232.0	-119.6
459.904000	-66.74	-36.00	30.74	150.0	V	208.0	-113.4
750.855500	-69.36	-36.00	33.36	150.0	V	281.0	-107.2

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1+WIFI+LORA
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang

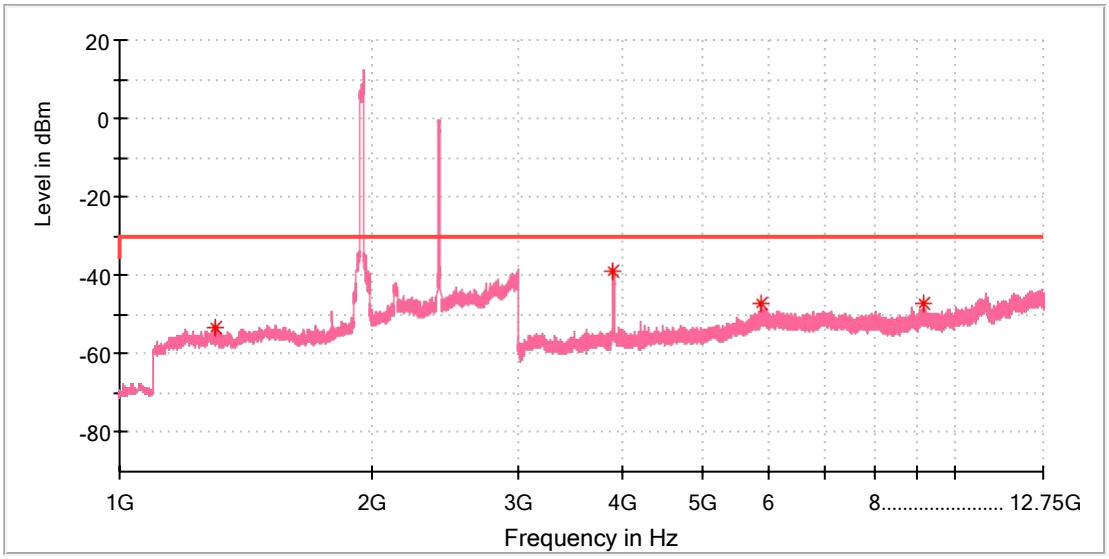


Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1308.500000	-52.00	-30.00	22.00	150.0	H	84.0	-89.8
3897.487500	-36.01	-30.00	6.01	150.0	H	18.0	-94.5
6549.000000	-48.14	-30.00	18.14	150.0	H	68.0	-88.9
9093.262500	-47.43	-30.00	17.43	150.0	H	18.0	-87.3

EUT Information

EUT Name:	Robotic Lawn Mower
Model:	M5
Test Mode:	TX_LTE B1+WIFI+LORA
Test Voltage:	Battery
Remark:	Temp:23.4;Humi:50%
Test standard:	EN 301908
Tested By:	Anda Chen
Reviewed by	Jack Zhang



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1304.500000	-53.15	-30.00	23.15	150.0	V	106.0	-90.1
3896.025000	-38.76	-30.00	8.76	150.0	V	12.0	-94.1
5851.875000	-46.94	-30.00	16.94	150.0	V	129.0	-89.9
9130.312500	-47.21	-30.00	17.21	150.0	V	93.0	-87.5

Appendix

Photo documentation

Photo 1 [√] front [ ] rear [ ] right side [ ] left side [ ] top [ ] bottom [ ] internal	

---End of Test Report---