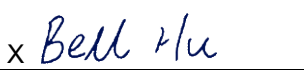


Prüfbericht-Nr.: Test report no.:	CN25PKKO 004	Auftrags-Nr.: Order no.:	168581316	Seite 1 von 19 Page 1 of 19
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2025-10-29	
Auftraggeber: Client:	Greenworks North America, LLC 500 South Main Street, Suite 450, Mooresville North Carolina United States 28115			
Prüfgegenstand: Test item:	Robotic Lawnmower			
Bezeichnung / Typ-Nr.: Identification / Type no.:	C10X, C20X, C30X, C20, C10Z, C20Z, C30Z, RMC04VR, C40, C40Z, C80Z, C120Z, C80, C120, RMR20VR, G20AWD, G20AWDX, G40AWD, G40AWDX, G80AWDX, G120AWDX			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 15: Subpart C Section 15.247 CFR Title 47 FCC Part 22 CFR Title 47 FCC Part 24 CFR Title 47 FCC Part 27 RSS-247 Issue 4 July 24, 2025 RSS-130 Issue 2 February 2019 RSS-132 Issue 4 January 2023 RSS-133 Issue 7 July 2024 RSS-139 Issue 4 October 2022 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: Date of sample receipt:	2025-11-06	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no.:	A004131142-001~009			
Prüfzeitraum: Testing period:	2025-11-26 - 2025-11-30			
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:			genehmigt von: authorized by:	
Datum: Date:	2026-03-12	Ausstellungsdatum: Issue date:		2026-03-12
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:		Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: 2BB85-GWRLM0506 IC: 33161-GWRLM0506 HVIN: C10X, C20X, C30X, C20, C10Z, C20Z, C30Z, RMC04VR, C40, C40Z, C80Z, C120Z, C80, C120, RMR20VR, G20AWD, G20AWDX, G40AWD, G40AWDX, G80AWDX, G120AWDX			
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			
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

Prüfbericht-Nr.: CN25PKKO 004
Test report no.:

Seite 2 von 19
Page 2 of 19

Anmerkungen Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature <i>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i>
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 115:2023, 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 115:2023, 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>

Prüfbericht - Nr.: CN25PKKO 004
Test Report No.:

Seite 3 von 17
Page 3 of 17

Test Summary

5.1.1 RF OUTPUT POWER & EFFECTIVE RADIATED POWER (LTE)

RESULT: Pass

5.1.2 RADIATED SPURIOUS EMISSION (LTE)

RESULT: Pass

5.1.3 CO-LOCATED RADIATED SPURIOUS EMISSION

RESULT: Pass

Contents

1	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS.....	5
2	TEST SITES.....	5
2.1	TEST FACILITIES	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	5
2.3	TRACEABILITY	6
2.4	CALIBRATION.....	6
2.5	MEASUREMENT UNCERTAINTY	7
2.6	LOCATION OF ORIGINAL DATA	7
2.7	STATUS OF FACILITY USED FOR TESTING	7
3	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE	8
3.2	RATINGS AND SYSTEM DETAILS.....	9
3.3	INDEPENDENT OPERATION MODES.....	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10
3.5	SUBMITTED DOCUMENTS.....	10
4	TEST SET-UP AND OPERATION MODES.....	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION	11
4.2	TEST OPERATION AND TEST SOFTWARE	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	11
4.5	TEST SETUP DIAGRAM	12
5	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES.....	14
5.1.1	<i>RF Output Power & Effective Radiated Power (LTE)</i>	<i>14</i>
5.1.2	<i>Radiated Spurious Emission (LTE)</i>	<i>15</i>
5.1.3	<i>Co-Located Radiated Spurious Emission</i>	<i>16</i>
6	PHOTOGRAPHS OF THE TEST SET-UP	17
7	LIST OF TABLES.....	17

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 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 Accreditation Designation No.: 694916

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (LRD1)					
Description	Manufacturer	Model	Serial No.	Calibrated Date (DD.MM.YYYY)	Calibrated until (DD.MM.YYYY)
Shielding Room	Albatross	SR3	APC1715 1-SR3	13.09.2024	12.09.2027
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	166305	23.09.2025	22.09.2026
Signal Analyzer	Rohde & Schwarz	FSV 40	101475	23.09.2025	22.09.2026
Vector Signal Generator	Rohde & Schwarz	SMBV100A	263466	23.09.2025	22.09.2026
Signal Generator	Rohde & Schwarz	SMB100A	181041	30.10.2025	29.10.2026
High Speed Power Supply	KEITHLEY	2303	4080052	30.10.2025	29.10.2026
RF Control Unit	Tonscend	JS0806-1	19H80601 92	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	19I80601 94	27.10.2025	26.10.2027
Temp.&Humidity Chamber	GIANT FORCE	ITH-150-40-CP-AR	IAA1406-004	23.09.2025	22.09.2026
NB-IoT&Emtc Integration Filter Group	Tonscend	JS0806-F	21D80604 10	26.09.2024	25.09.2026

Prüfbericht - Nr.: CN25PKKO 004
Test Report No.:

Seite 6 von 17
Page 6 of 17

Test Software	Tonscend	JS1120	N/A	N/A	N/A
Control PC	Dell	Inspiron3670	5HVGWS 2	N/A	N/A

Unwanted Emission Testing (TS9975)

Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2025-09-22	2026-09-21
Signal Analyzer	R&S	FSV 40	101439	2025-09-22	2026-09-21
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2025-09-22	2026-09-21
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2025-09-22	2026-09-21
Amplifier	R&S	SCU-18F	180070	2025-09-22	2026-09-21
Amplifier	R&S	SCU40A	100475	2025-09-22	2026-09-21
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2026-09-27
Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2026-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2026-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2026-09-27
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

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)
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 & C 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 Products is a Robotic Lawnmower supports Bluetooth, 2.4GHz Wi-Fi, LTE and Lora functions. Models C10X, C20X, C30X, C20, C10Z, C20Z, C30Z, RMC04VR, C40, C40Z, C80Z, C120Z, C80, C120, RMR20VR, G20AWD, G20AWDX, G40AWD, G40AWDX, G80AWDX, G120AWDX are the same including the circuit theory, electrical design, the critical components except for the appearance and Recommended Mowing Area by the software setting.

The wireless module (FCC ID: ZMOMC116NA; IC: 21374-MC116NA) adding into a new host. It's under a new Certification application and the test data for conducted antenna port in this report is cited from the originally granted module, according to KDB 996369 D02 (b).

The LTE antenna changed to accommodate the module into the product.

Except for the antenna, there are no other changes on the module when integrated into the device.

And adherence to the grant conditions for RF exposure compliance and applicable maximum ERP/EIRP rules were observed, no authorization request is needed. Radiated Spurious Emissions is arranged re-testing, and the other conducted measurement test data can refer to as table description:

Wireless Module		FCC ID: ZMOMC116NA	IC: 21374-MC116NA
Items			
RF output power			
Peak-to Average Ratio			
6dB bandwidth and 99% bandwidth			
Conducted Bandedge			
Conducted Spurious Emissions			
Frequency Stability			

Refer to wireless module test report FG003026 as issued by Sporton International(Kunshan) Inc.

Refer to wireless module test report CG003026TX as issued by Sporton International(Kunshan) Inc. Compared with standard version RSS-132 issue 3 and issue 4, RSS-133 Issue 6 and issue 7, RSS-139 issue 2 and issue3 difference, it does not affect the rule compliance.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Robotic Lawnmower
Type Designation:	C10X, C20X, C30X, C20, C10Z, C20Z, C30Z, RMC04VR, C40, C40Z, C80Z, C120Z, C80, C120, RMR20VR, G20AWD, G20AWDX, G40AWD, G40AWDX, G80AWDX, G120AWDX
FCC ID:	2BB85-GWRLM0506
IC:	33161-GWRLM0506
HVIN:	C10X, C20X, C30X, C20, C10Z, C20Z, C30Z, RMC04VR, C40, C40Z, C80Z, C120Z, C80, C120, RMR20VR, G20AWD, G20AWDX, G40AWD, G40AWDX, G80AWDX, G120AWDX
Operating Voltage:	DC 21.6V input via internal rechargeable battery or charging by Charging Station
Testing Voltage:	Fully charged battery
Technical Specification of LTE	
LTE Operation Band:	LTE Band 2 Uplink: 1850-1910MHz, Downlink: 1930-1990MHz LTE Band 4 Uplink: 1710-1755MHz, Downlink: 2110-2155MHz LTE Band 5 Uplink: 824-849MHz, Downlink: 869-894MHz LTE Band12 Uplink: 699-716MHz, Downlink: 729-746MHz LTE Band13 Uplink: 777-787 MHz, Downlink: 746-756MHz LTE Band 17 Uplink: 704-716MHz, Downlink: 734-746MHz LTE Band 66 Uplink: 1710-1780MHz, Downlink: 2110-2180MHz
Type of Modulation:	QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	LTE B2: 2.48dBi LTE B4: 1.99dBi LTE B5: 1.17dBi LTE B12: 1.70dBi LTE B13: 1.22dBi LTE B17: 1.70dBi LTE B66: 2.23dBi (Provided by the Client)

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, LTE wireless transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Lora+ LTE+ WIFI Co-location transmitting mode

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-------------------------|----------------------------------|
| - Application Form | - User Manual |
| - Operation Description | - FCC/IC Label and Location Info |

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 C63.10:2020 and ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024, KDB 971168 D01 and ANSI C63.26.

According to clause 3.1, all tests were performed on model C20X 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.

4.5 Test Setup Diagram

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

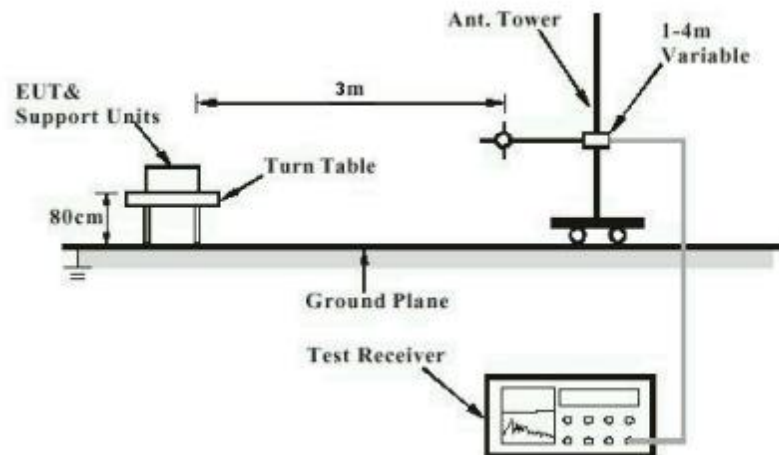


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

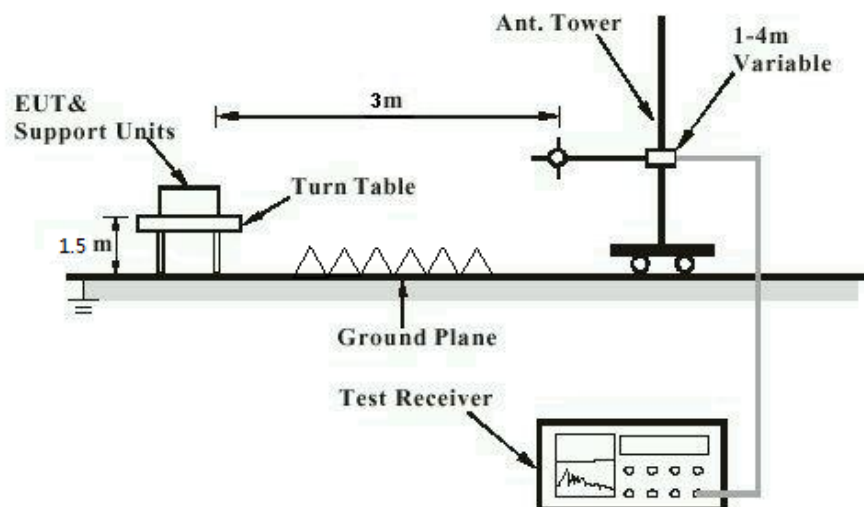
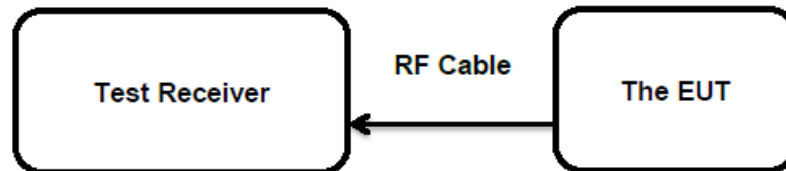


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 RF Output Power & Effective Radiated Power (LTE)

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 22	RSS-247 Issue 4
		FCC Part 24	RSS-130 Issue 2
		FCC Part 27	RSS-132 Issue 4
			RSS-133 Issue 7
			RSS-139 Issue 4
			RSS-Gen Issue 5

Limits	:	Operating band	FCC Limit	ISED Limit
		Band 2	EIRP $\leq$ 2 Watt	EIRP $\leq$ 2 Watt
		Band 4, 66	EIRP $\leq$ 1 Watt	EIRP $\leq$ 1 Watt
		Band 5	ERP $\leq$ 7 Watt	ERP $\leq$ 7 Watt
		Band 12,13, 17	ERP $\leq$ 3 Watt	ERP $\leq$ 3 Watt

Test procedure	:	Section 5.2 of ANSI C63.26
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-11-26 to 2025-11-30
Operation mode	:	A
Test channel	:	Middle
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

It verifies that there is no evident variation in conducted power compared with the original data listed in original module report. All conducted power data is cited from original module reports and evaluated with the new antenna gain.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN25PKKO 004
Test Report No.:

Seite 15 von 17
 Page 15 of 17

5.1.2 Radiated Spurious Emission (LTE)

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 22	RSS-130 Issue 2
		FCC Part 24	RSS-132 Issue 4
		FCC Part 27	RSS-133 Issue 7
			RSS-139 Issue 4
			RSS-Gen Issue 5

Limits	:	Operating band	FCC Limit	ISED Limit
		Band 2	< - 13 dBm /1MHz	< - 13 dBm /1MHz
		Band 4	< - 13 dBm /1MHz	< - 13 dBm /1MHz
			< - 13 dBm /100kHz	
		Band 5	@ < 1GHz	< - 13 dBm /100 kHz
			< - 13 dBm /1MHz	
			@ > 1GHz	
		Band 12	< - 13 dBm /1MHz	< - 13 dBm /100 kHz
		Band 13	< - 13 dBm /1MHz	< - 13 dBm /100 kHz
		Band 17	< - 13 dBm /1MHz	< - 13 dBm /100 kHz
		Band 66	< - 13 dBm /1MHz	< - 13 dBm /1MHz

Test procedure : Section 5.5 of ANSI C63.26

Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing	:	2025-11-26 to 2025-11-30
Input voltage	:	Fully charged battery
Operation mode	:	B
Test channel	:	Middle
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

The limit calculation:

Limit = P_{Meas} (dBm) – [43+10log(P_{Meas})] = -13 dBm

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in this report. The measurement is performed for all operational modes and both antenna polarization, only the data of the worst mode is recorded in this report.

Prüfbericht - Nr.: CN25PKKO 004
Test Report No.:Seite 16 von 17
Page 16 of 17

5.1.3 Co-Located Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 FCC Part 22 FCC Part 24 FCC Part 27 RSS-130 Issue 2 RSS-132 Issue 4 RSS-133 Issue 7 RSS-139 Issue 4 RSS-Gen Issue 5
Basic standard	: ANSI C63.10:2020 and ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024 & ANSI C63.26 KDB 789033 D02 v01r03
Limits	: The emissions not exceed the highest limit.
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2025-11-26 to 2025-11-30
Input voltage	: Fully charged battery
Operation mode	: C
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

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

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

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

7 List of Tables

Table 1: List of Test and Measurement Equipment.....	5
Table 2: Measurement Uncertainty	7
Table 3: Technical Specification of EUT.....	9
Table 4: List of Accessories and Auxiliary Equipment.....	11

Appendix A: Test Results

APPENDIX A: TEST RESULTS	1
APPENDIX A.1: TEST RESULTS OF EIRP	2
LTE BAND 2:	2
LTE BAND 4:	2
LTE BAND 5:	3
LTE BAND 12:	3
LTE BAND 13:	3
LTE BAND 17:	4
LTE BAND 66:	4
APPENDIX A.2: TEST RESULTS OF RADIATED SPURIOUS EMISSION, LTE BAND	5
30 MHz - 1GHz	5
1GHz - 18GHz	15
APPENDIX A.3: TEST RESULTS OF RADIATED SPURIOUS EMISSION, CO-LOCATION	35
30 MHz - 1GHz	35
1GHz - 18GHz	37

Appendix A.1: Test Results of EIRP/ERP

LTE Band 2:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	EIRP (dBm)	Limit (dBm)
20	QPSK	22.99	2.48	25.47	33
20	16QAM	21.44	2.48	23.92	33
15	QPSK	22.96	2.48	25.44	33
15	16QAM	21.69	2.48	24.17	33
10	QPSK	22.92	2.48	25.4	33
10	16QAM	21.75	2.48	24.23	33
5	QPSK	22.94	2.48	25.42	33
5	16QAM	21.59	2.48	24.07	33
3	QPSK	22.99	2.48	25.47	33
3	16QAM	21.62	2.48	24.1	33
1.4	QPSK	22.93	2.48	25.41	33
1.4	16QAM	21.63	2.48	24.11	33

LTE Band 4:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	EIRP (dBm)	Limit (dBm)
20	QPSK	22.91	1.99	24.9	33
20	16QAM	21.47	1.99	23.46	33
15	QPSK	22.94	1.99	24.93	33
15	16QAM	21.63	1.99	23.62	33
10	QPSK	22.99	1.99	24.98	33
10	16QAM	21.71	1.99	23.7	33
5	QPSK	22.93	1.99	24.92	33
5	16QAM	21.85	1.99	23.84	33
3	QPSK	22.95	1.99	24.94	33
3	16QAM	21.68	1.99	23.67	33
1.4	QPSK	22.91	1.99	24.9	33
1.4	16QAM	21.85	1.99	23.84	33

LTE Band 5:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	ERP (dBm)	Limit (dBm)
10	QPSK	22.81	1.17	21.83	33
10	16QAM	21.39	1.17	20.44	33
5	QPSK	22.96	1.17	21.98	33
5	16QAM	21.66	1.17	20.68	33
3	QPSK	22.92	1.17	21.94	33
3	16QAM	21.69	1.17	20.71	33
1.4	QPSK	22.84	1.17	21.86	33
1.4	16QAM	21.62	1.17	21.83	33

LTE Band 12:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	ERP (dBm)	Limit (dBm)
10	QPSK	22.92	1.70	22.47	33
10	16QAM	21.35	1.70	20.9	33
5	QPSK	22.96	1.70	22.51	33
5	16QAM	21.63	1.70	21.18	33
3	QPSK	22.82	1.70	22.37	33
3	16QAM	21.53	1.70	21.08	33
1.4	QPSK	22.94	1.70	22.49	33
1.4	16QAM	21.53	1.70	21.08	33

LTE Band 13:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	EIRP (dBm)	Limit (dBm)
10	QPSK	22.91	1.22	21.98	33
10	16QAM	21.36	1.22	20.43	33
5	QPSK	22.76	1.22	21.83	33
5	16QAM	21.53	1.22	20.60	33

LTE Band 17:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	ERP (dBm)	Limit (dBm)
10	QPSK	23.10	1.70	22.65	33
10	16QAM	21.43	1.70	20.98	33
5	QPSK	22.89	1.70	22.44	33
5	16QAM	21.48	1.70	21.03	33

LTE Band 66:

BW (MHz)	Modulation	Max RF Output power (dBm)	Gain (dBi)	EIRP (dBm)	Limit (dBm)
20	QPSK	23.10	2.23	25.33	33
20	16QAM	21.63	2.23	23.86	33
15	QPSK	22.96	2.23	25.19	33
15	16QAM	21.49	2.23	23.72	33
10	QPSK	22.85	2.23	25.08	33
10	16QAM	21.75	2.23	23.98	33
5	QPSK	22.78	2.23	25.01	33
5	16QAM	21.53	2.23	23.76	33
3	QPSK	22.81	2.23	25.04	33
3	16QAM	21.63	2.23	23.86	33
1.4	QPSK	22.87	2.23	25.1	33
1.4	16QAM	21.69	2.23	23.92	33

Note: Max RF Output power from module report are conducted from module report: CG003026TX as issued by Sporton International(Kunshan) Inc.

Appendix A.2: Test Results of Radiated Spurious Emission, LTE Band

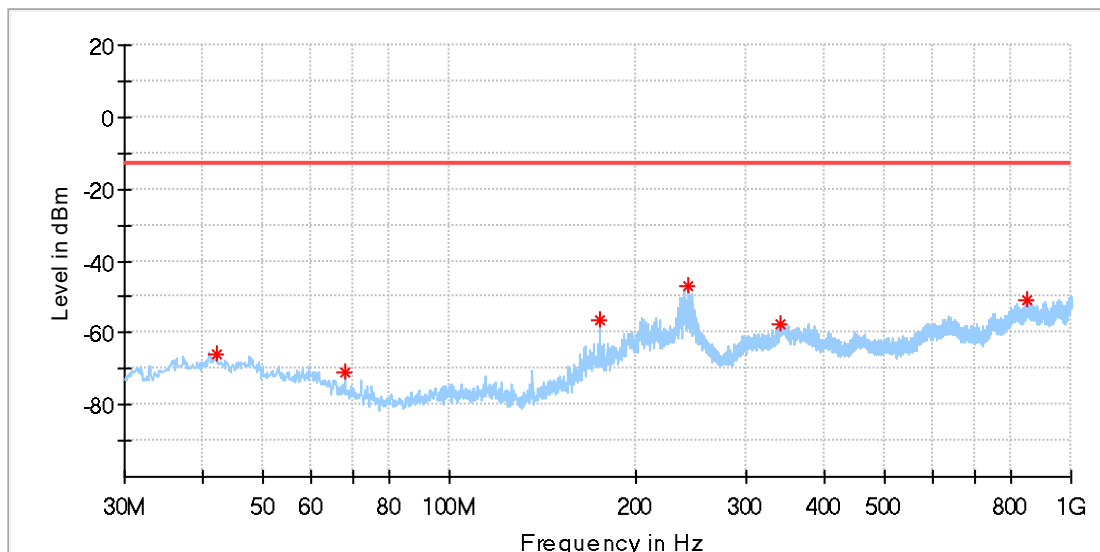
Note:

- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 2) The highest waveform in the figure is LTE Fundamental.

30 MHz - 1GHz

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

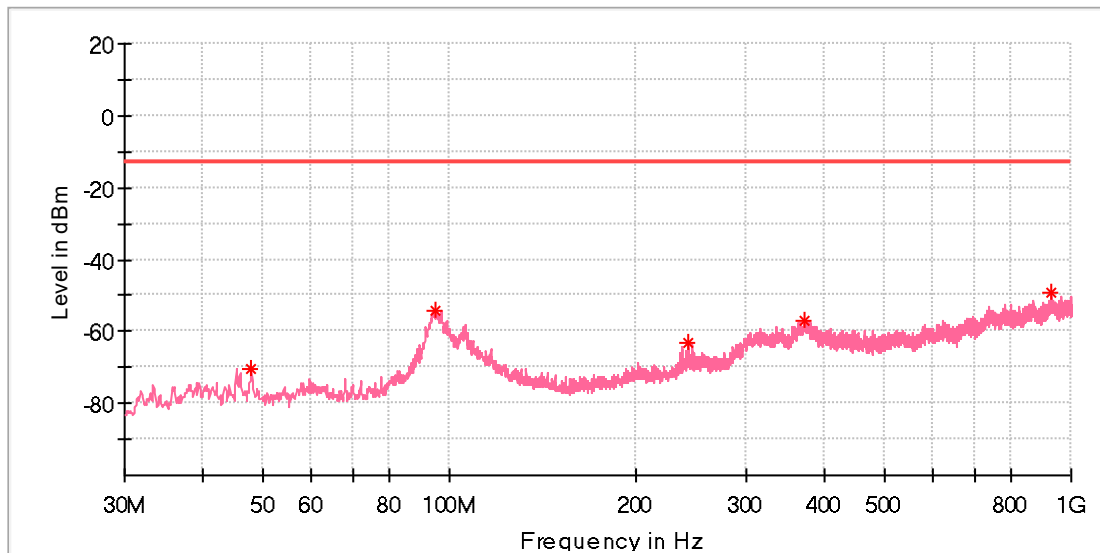


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.246250	-65.84	-13.00	52.84	100.0	H	0.0	-112.5
67.830000	-71.21	-13.00	58.21	100.0	H	266.0	-121.3
174.651250	-56.42	-13.00	43.42	100.0	H	225.0	-119.7
242.793750	-47.25	-13.00	34.25	100.0	H	225.0	-110.0
341.370000	-57.37	-13.00	44.37	100.0	H	94.0	-112.4
850.256250	-50.69	-13.00	37.69	100.0	H	231.0	-99.8

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

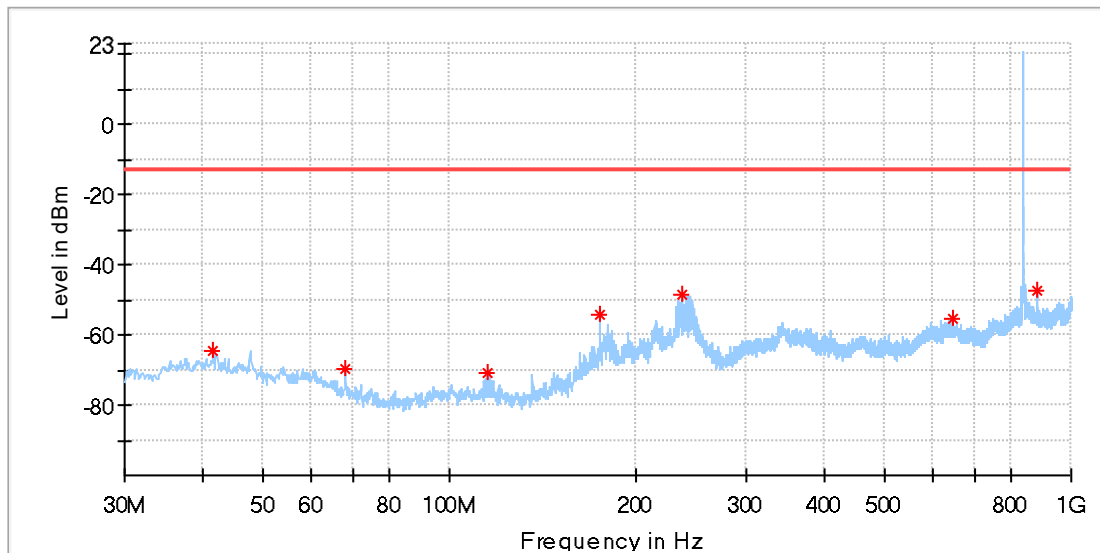


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
48.066250	-70.54	-13.00	57.54	100.0	V	44.0	-123.6
95.111250	-54.30	-13.00	41.30	100.0	V	228.0	-99.8
242.793750	-62.91	-13.00	49.91	100.0	V	110.0	-115.6
372.046250	-57.11	-13.00	44.11	100.0	V	55.0	-111.1
928.705000	-49.19	-13.00	36.19	100.0	V	124.0	-99.9

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

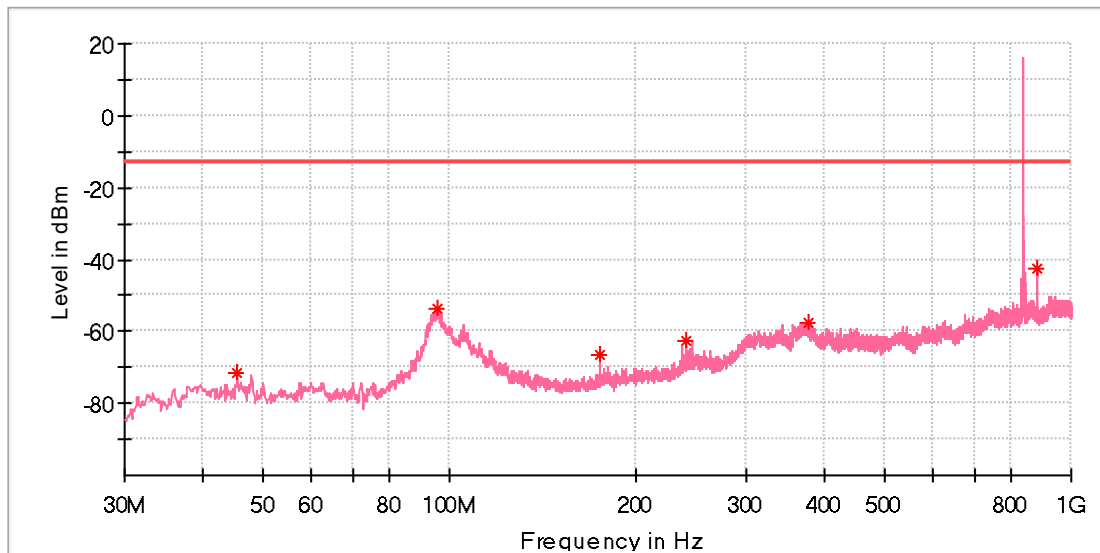


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.640000	-64.77	-13.00	51.77	100.0	H	264.0	-112.3
67.951250	-69.46	-13.00	56.46	100.0	H	52.0	-121.3
115.360000	-70.57	-13.00	57.57	100.0	H	264.0	-122.6
174.651250	-54.27	-13.00	41.27	100.0	H	198.0	-119.7
237.216250	-48.53	-13.00	35.53	100.0	H	203.0	-111.0
644.373750	-55.42	-13.00	42.42	100.0	H	207.0	-104.4
881.781250	-47.13	-13.00	34.13	100.0	H	33.0	-102.1

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

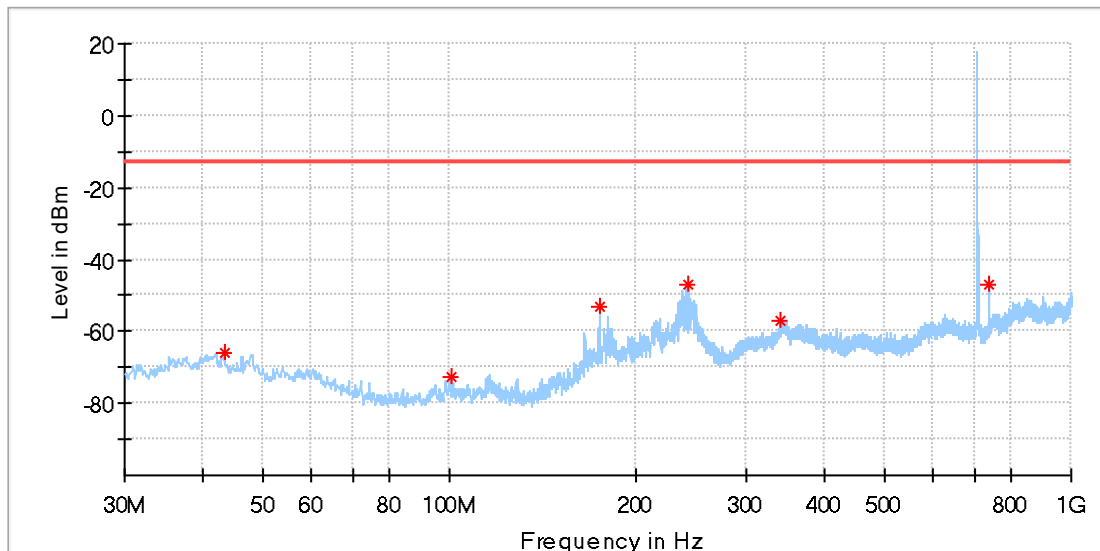


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.641250	-71.52	-13.00	58.52	100.0	V	22.0	-122.6
95.717500	-53.59	-13.00	40.59	100.0	V	192.0	-100.9
174.530000	-66.43	-13.00	53.43	100.0	V	318.0	-120.3
240.005000	-62.49	-13.00	49.49	100.0	V	76.0	-116.2
376.896250	-57.37	-13.00	44.37	100.0	V	70.0	-110.9
881.296250	-42.56	-13.00	29.56	100.0	V	192.0	-102.3

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

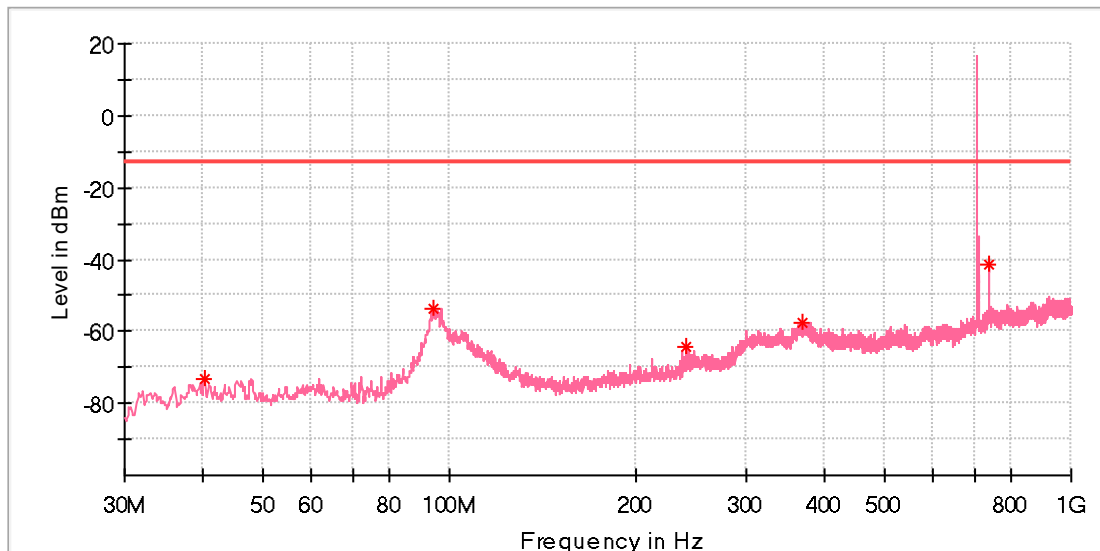


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
43.458750	-66.03	-13.00	53.03	100.0	H	140.0	-113.9
100.446250	-72.61	-13.00	59.61	100.0	H	195.0	-121.0
174.651250	-52.85	-13.00	39.85	100.0	H	215.0	-119.7
242.793750	-47.08	-13.00	34.08	100.0	H	239.0	-110.0
340.885000	-57.17	-13.00	44.17	100.0	H	83.0	-112.5
737.736250	-47.02	-13.00	34.02	100.0	H	351.0	-105.1

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

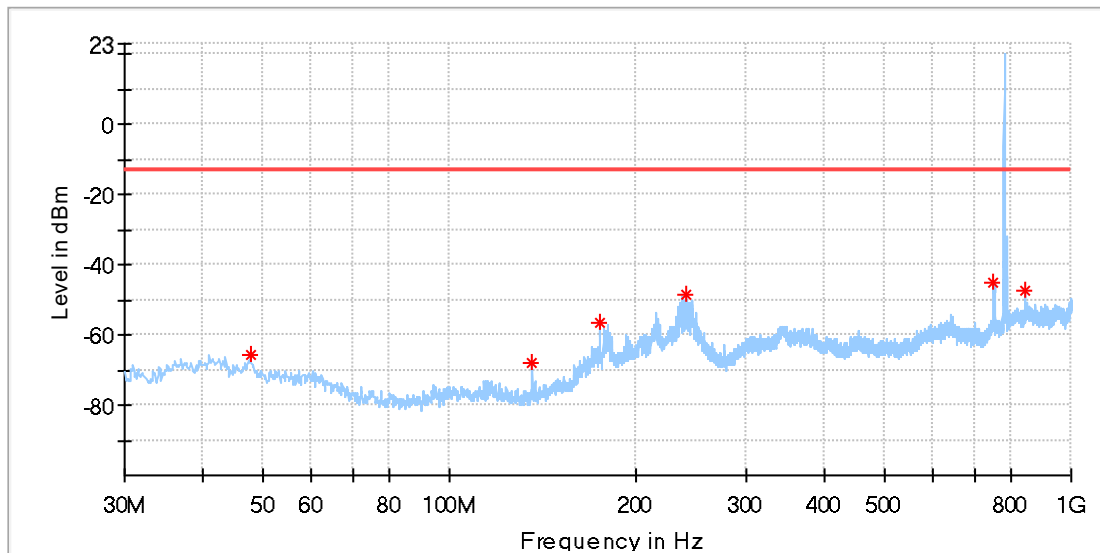


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.306250	-73.13	-13.00	60.13	100.0	V	11.0	-124.5
94.262500	-53.47	-13.00	40.47	100.0	V	150.0	-99.7
240.005000	-64.37	-13.00	51.37	100.0	V	80.0	-116.2
370.712500	-57.74	-13.00	44.74	100.0	V	131.0	-111.0
737.857500	-41.41	-13.00	28.41	100.0	V	101.0	-101.8

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

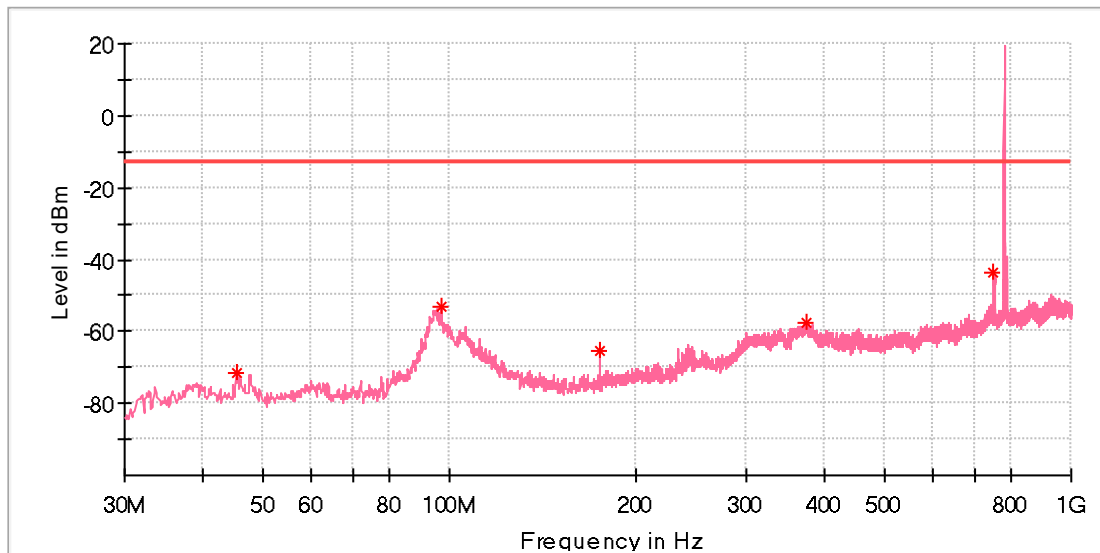


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
47.945000	-65.90	-13.00	52.90	100.0	H	287.0	-114.4
135.972500	-67.89	-13.00	54.89	100.0	H	276.0	-123.9
174.651250	-56.29	-13.00	43.29	100.0	H	33.0	-119.7
240.005000	-48.52	-13.00	35.52	100.0	H	258.0	-110.5
749.982500	-44.84	-13.00	31.84	100.0	H	0.0	-103.4
842.253750	-47.62	-13.00	34.62	100.0	H	324.0	-101.0

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

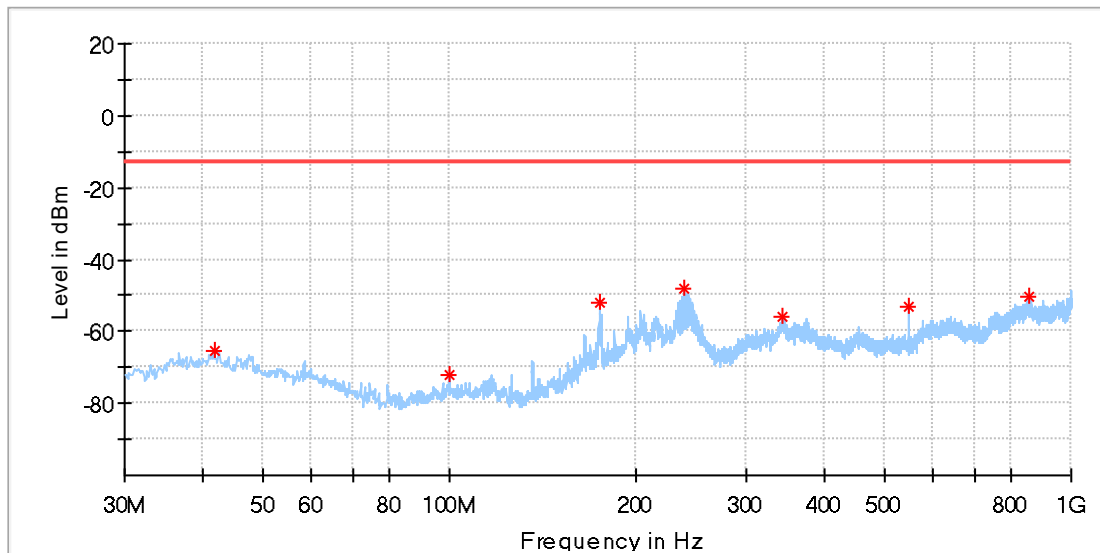


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.398750	-71.44	-13.00	58.44	100.0	V	0.0	-123.2
97.051250	-52.94	-13.00	39.94	100.0	V	316.0	-102.0
174.651250	-65.46	-13.00	52.46	100.0	V	316.0	-120.3
374.956250	-57.41	-13.00	44.41	100.0	V	49.0	-110.9
749.740000	-43.38	-13.00	30.38	100.0	V	108.0	-102.2

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

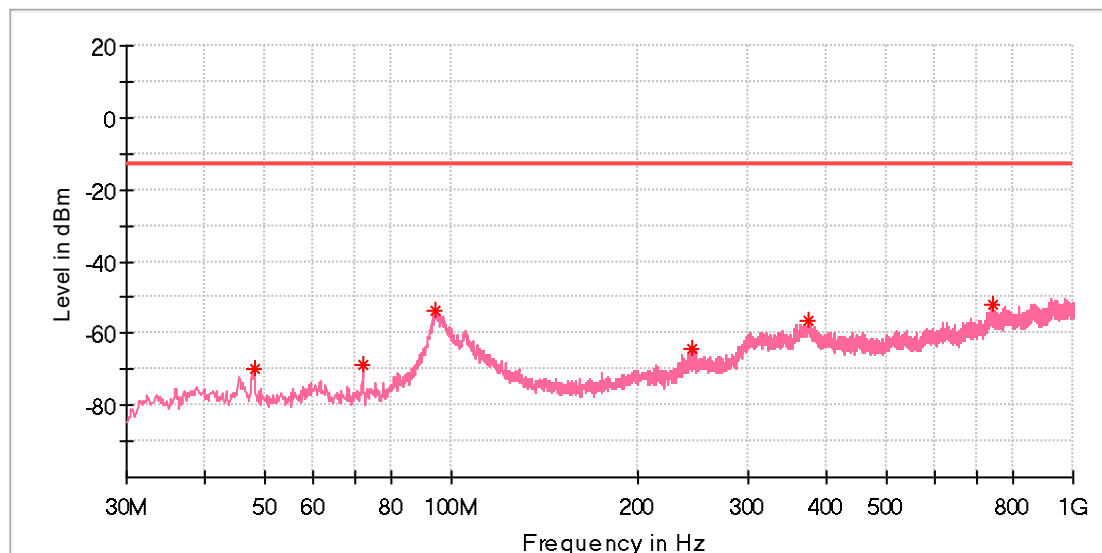


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.761250	-65.57	-13.00	52.57	100.0	H	165.0	-112.4
99.718750	-72.37	-13.00	59.37	100.0	H	269.0	-121.1
174.651250	-52.07	-13.00	39.07	100.0	H	83.0	-119.7
239.156250	-48.11	-13.00	35.11	100.0	H	216.0	-110.6
343.067500	-55.87	-13.00	42.87	100.0	H	94.0	-112.0
546.646250	-52.86	-13.00	39.86	100.0	H	55.0	-109.2
855.712500	-50.44	-13.00	37.44	100.0	H	311.0	-100.0

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



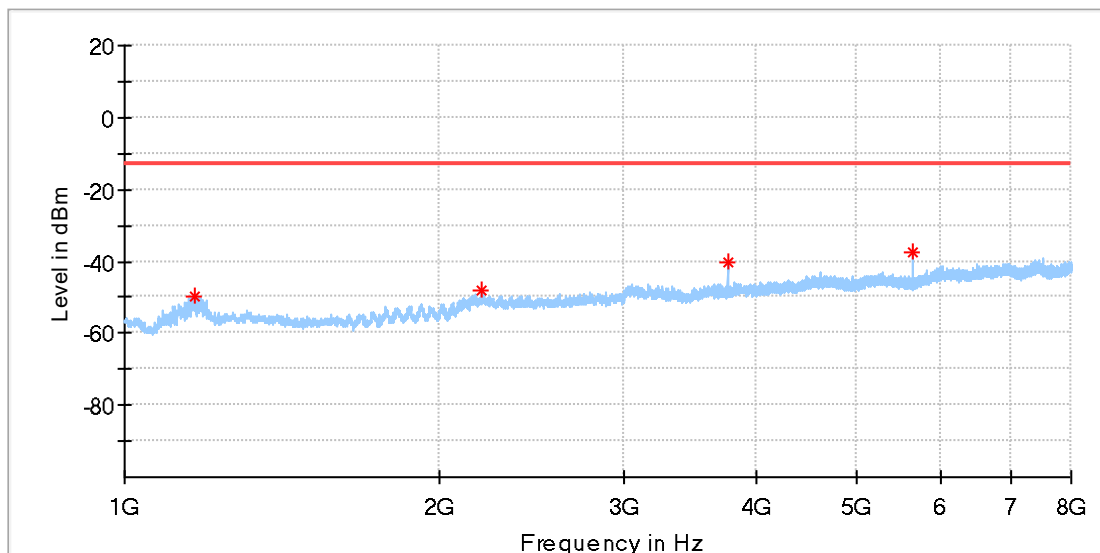
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
48.187500	-69.97	-13.00	56.97	100.0	V	32.0	-123.7
71.952500	-68.50	-13.00	55.50	100.0	V	165.0	-123.3
94.505000	-53.68	-13.00	40.68	100.0	V	72.0	-99.7
243.400000	-64.22	-13.00	51.22	100.0	V	300.0	-115.6
375.198750	-56.21	-13.00	43.21	100.0	V	51.0	-110.9
744.890000	-52.11	-13.00	39.11	100.0	V	265.0	-101.8

1GHz - 18GHz

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

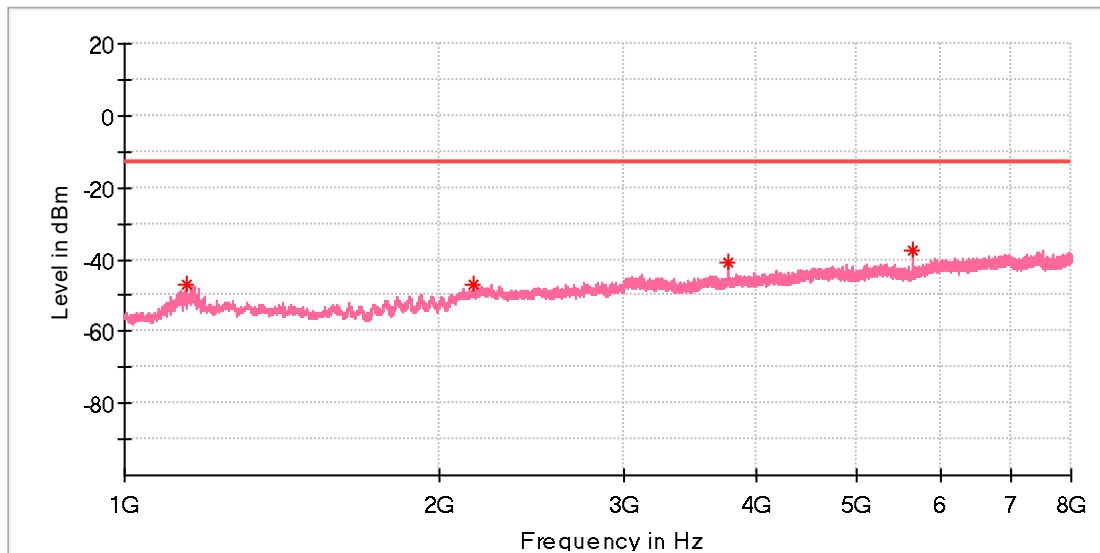


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1165.000000	-49.59	-13.00	36.59	150.0	H	32.0	-94.3
2187.500000	-47.92	-13.00	34.92	150.0	H	38.0	-87.8
3759.000000	-40.11	-13.00	27.11	150.0	H	253.0	-85.4
5639.000000	-37.66	-13.00	24.66	150.0	H	134.0	-83.1

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

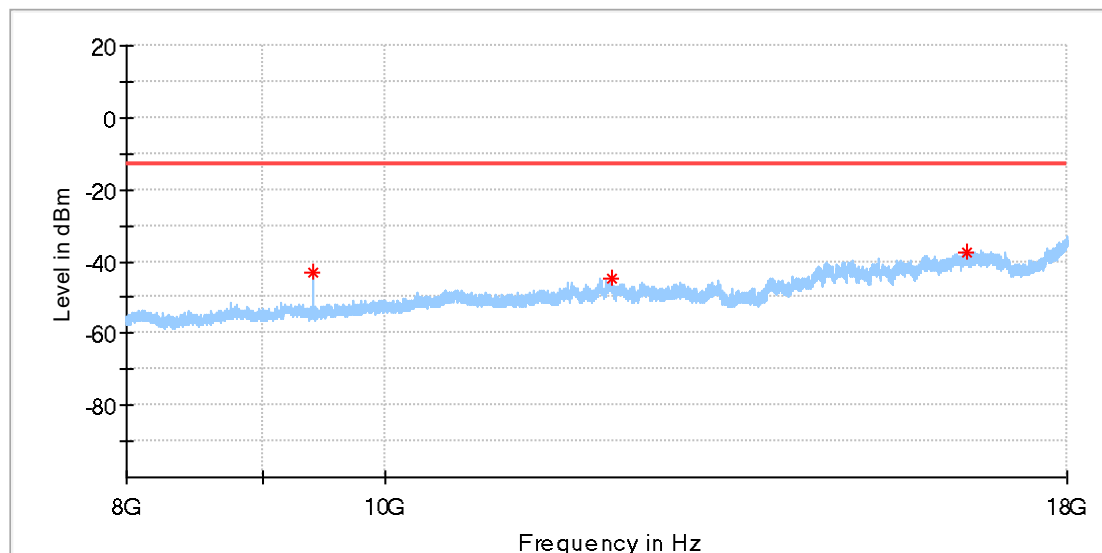


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1148.000000	-46.73	-13.00	33.73	150.0	V	12.0	-92.2
2149.500000	-46.78	-13.00	33.78	150.0	V	161.0	-86.6
3759.000000	-40.71	-13.00	27.71	150.0	V	109.0	-83.1
5638.500000	-37.23	-13.00	24.23	150.0	V	38.0	-81.0

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

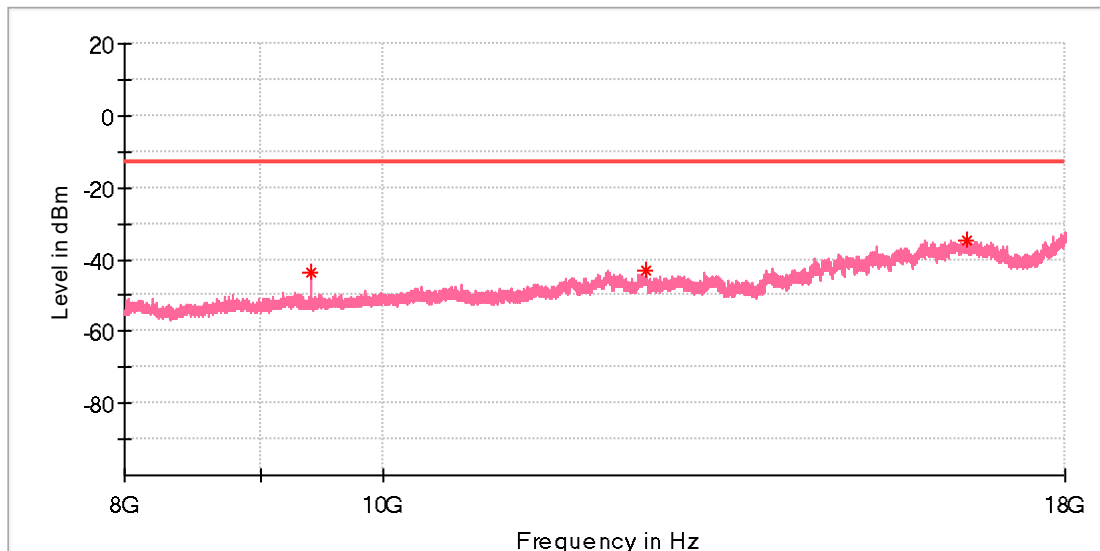


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9398.000000	-43.33	-13.00	30.33	150.0	H	117.0	-86.6
12148.000000	-44.93	-13.00	31.93	150.0	H	325.0	-79.6
16516.000000	-37.27	-13.00	24.27	150.0	H	205.0	-73.6

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

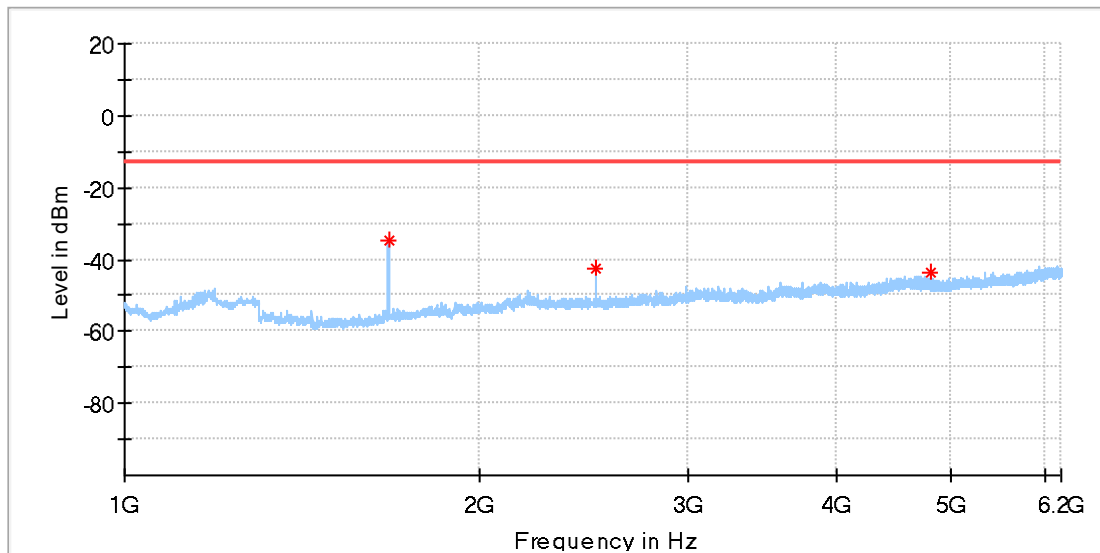


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9397.500000	-43.43	-13.00	30.43	150.0	V	116.0	-84.7
12549.000000	-43.04	-13.00	30.04	150.0	V	108.0	-78.3
16534.500000	-34.82	-13.00	21.82	150.0	V	313.0	-71.1

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

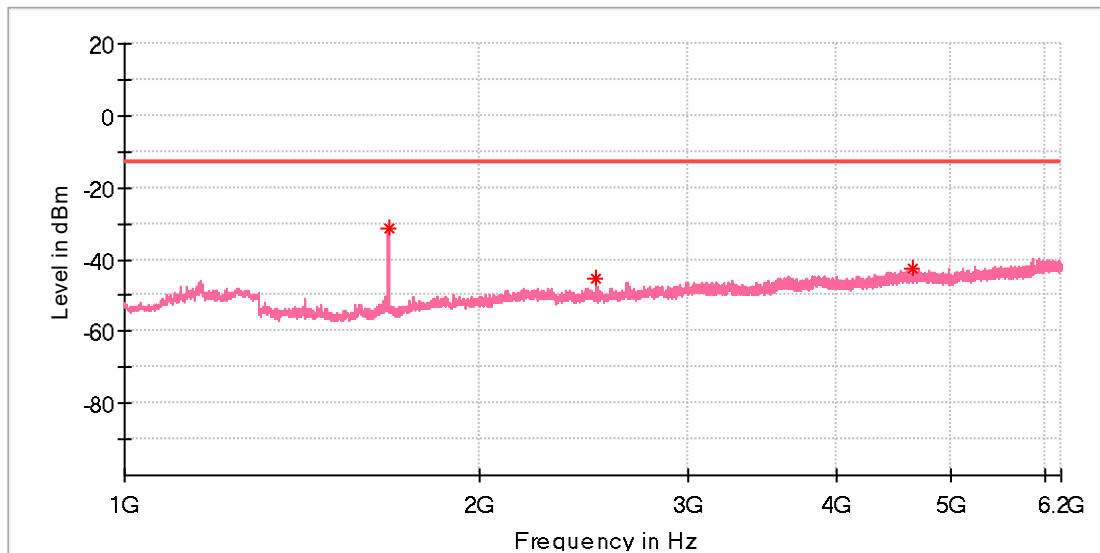


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1672.000000	-34.81	-13.00	21.81	150.0	H	269.0	-92.5
2508.000000	-42.32	-13.00	29.32	150.0	H	54.0	-88.6
4805.000000	-43.38	-13.00	30.38	150.0	H	54.0	-83.9

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

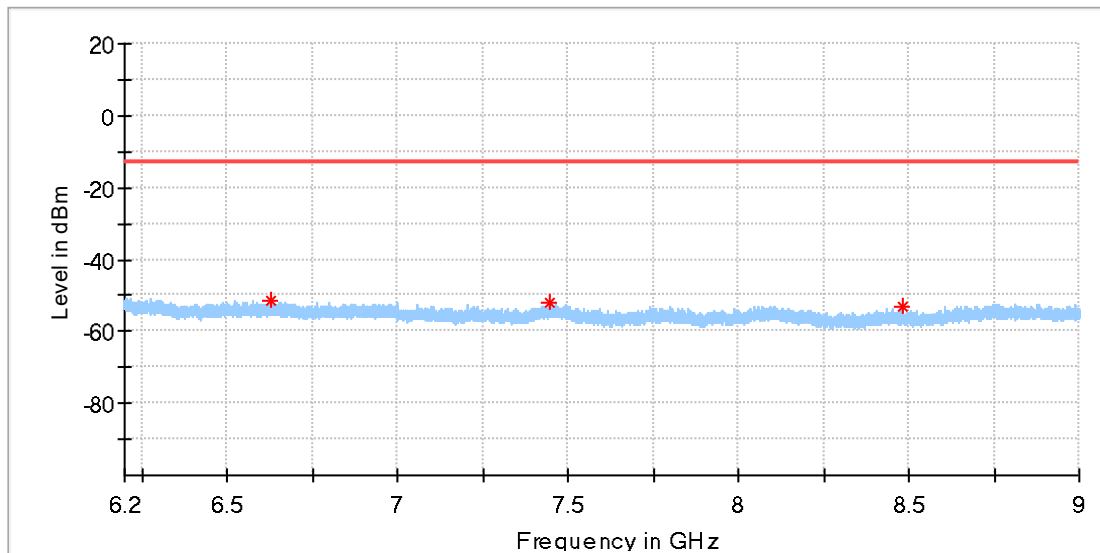


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1672.000000	-31.22	-13.00	18.22	150.0	V	175.0	-90.5
2508.000000	-45.55	-13.00	32.55	150.0	V	293.0	-86.5
4646.000000	-42.78	-13.00	29.78	150.0	V	77.0	-81.8

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

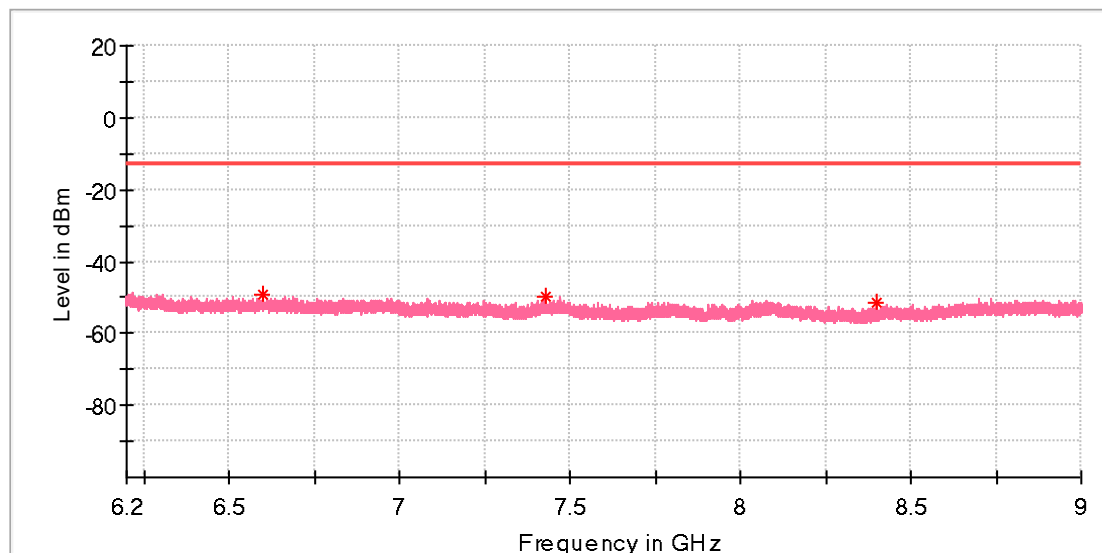


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6626.883333	-51.17	-13.00	38.17	150.0	H	67.0	-88.7
7449.850000	-51.94	-13.00	38.94	150.0	H	323.0	-88.2
8485.033333	-53.26	-13.00	40.26	150.0	H	0.0	-89.0

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

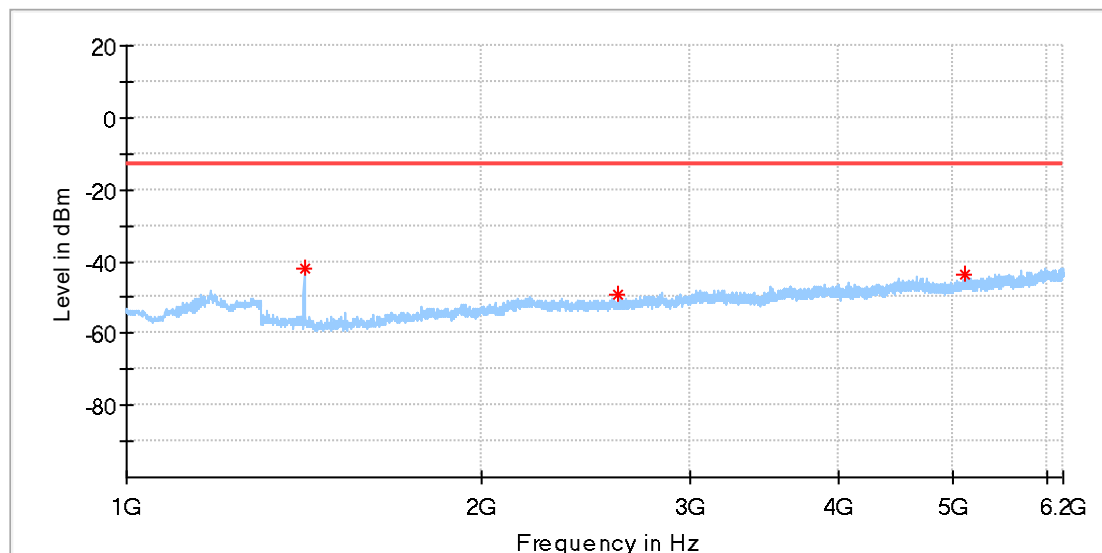


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6600.633333	-49.28	-13.00	36.28	150.0	V	245.0	-87.0
7427.216667	-49.59	-13.00	36.59	150.0	V	189.0	-86.6
8397.533333	-51.70	-13.00	38.70	150.0	V	203.0	-87.0

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

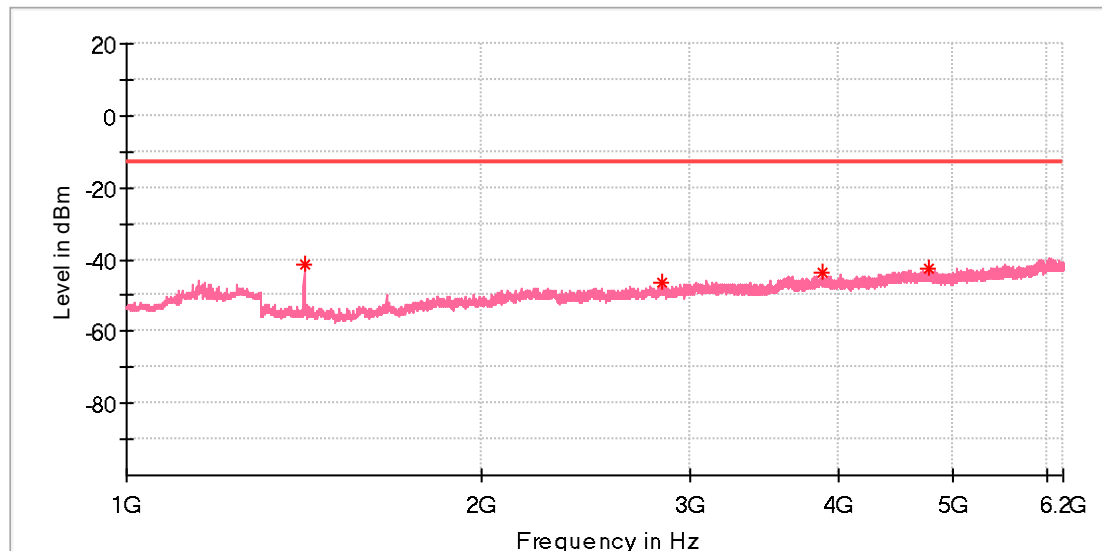


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-41.96	-13.00	28.96	150.0	H	114.0	-93.8
2600.500000	-49.43	-13.00	36.43	150.0	H	37.0	-88.2
5123.500000	-43.90	-13.00	30.90	150.0	H	266.0	-83.0

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

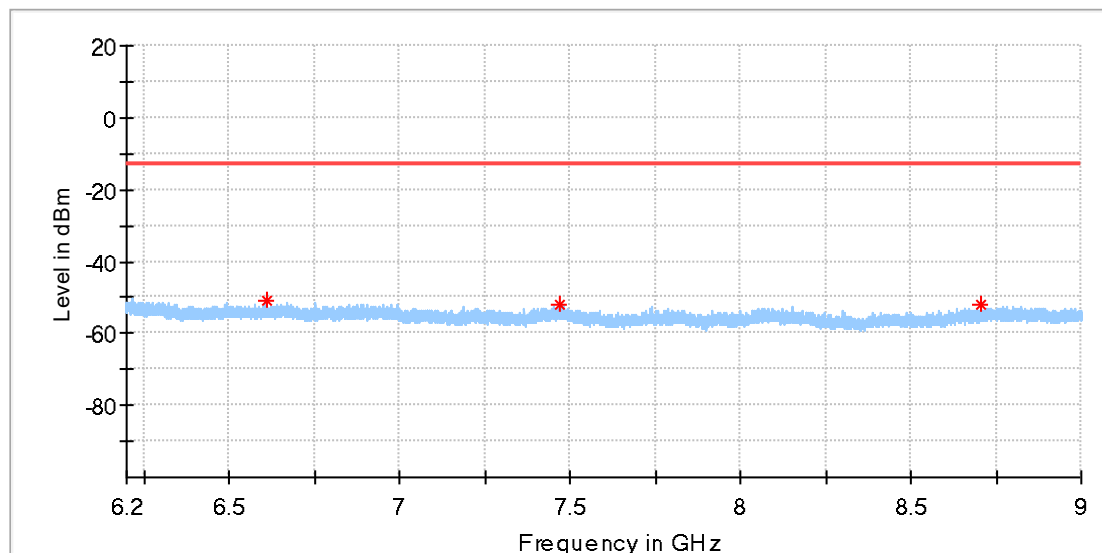


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-41.60	-13.00	28.60	150.0	V	169.0	-91.6
2835.000000	-46.29	-13.00	33.29	150.0	V	126.0	-85.4
3882.000000	-43.44	-13.00	30.44	150.0	V	294.0	-83.4
4781.000000	-42.25	-13.00	29.25	150.0	V	245.0	-81.6

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

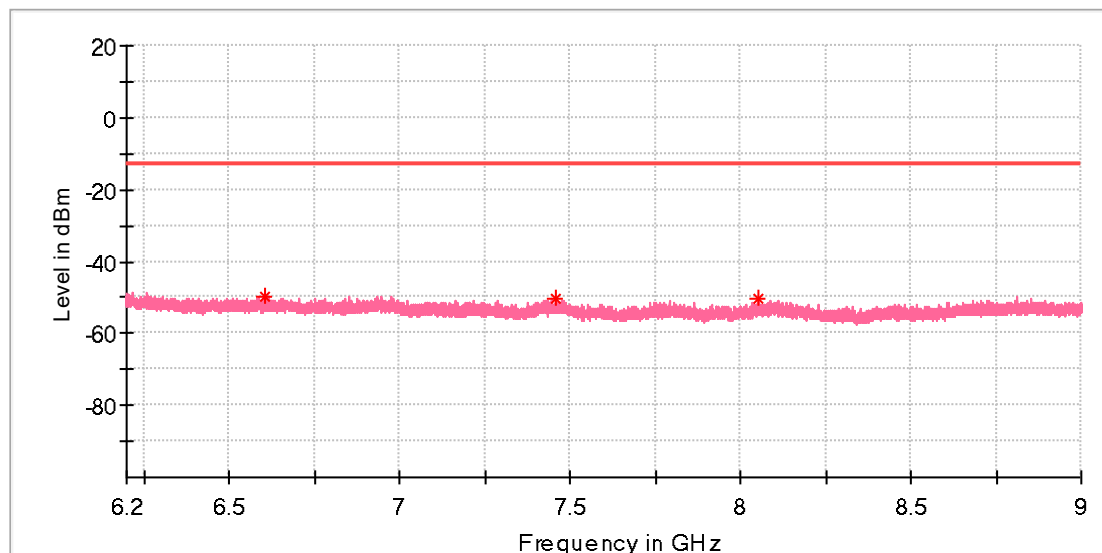


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6611.016667	-50.98	-13.00	37.98	150.0	H	173.0	-88.7
7471.083333	-52.07	-13.00	39.07	150.0	H	303.0	-88.1
8707.983333	-52.03	-13.00	39.03	150.0	H	0.0	-87.1

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 12_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

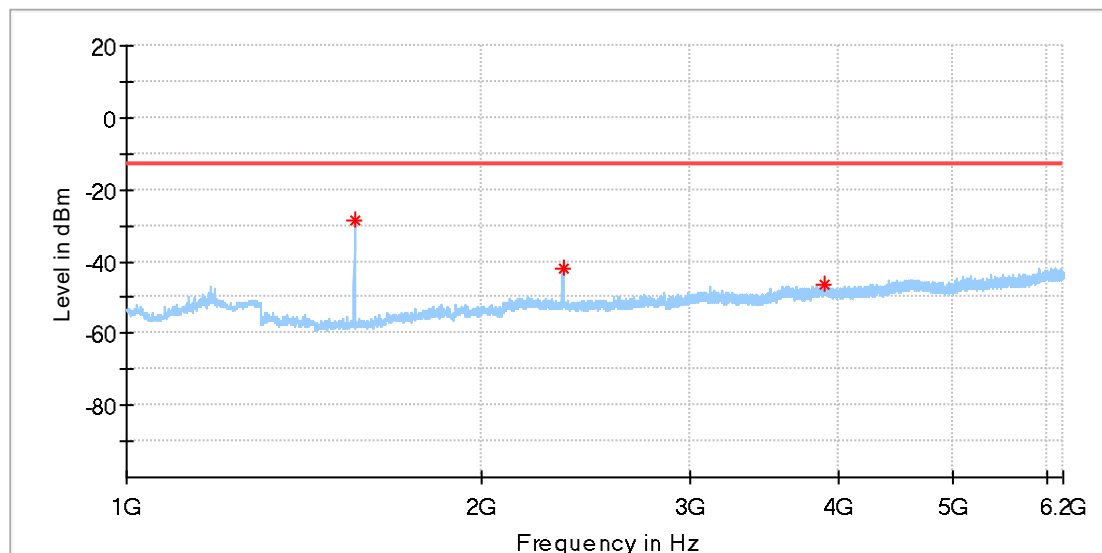


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6605.533333	-49.81	-13.00	36.81	150.0	V	119.0	-87.0
7458.833333	-50.12	-13.00	37.12	150.0	V	338.0	-86.4
8051.150000	-50.34	-13.00	37.34	150.0	V	216.0	-86.7

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

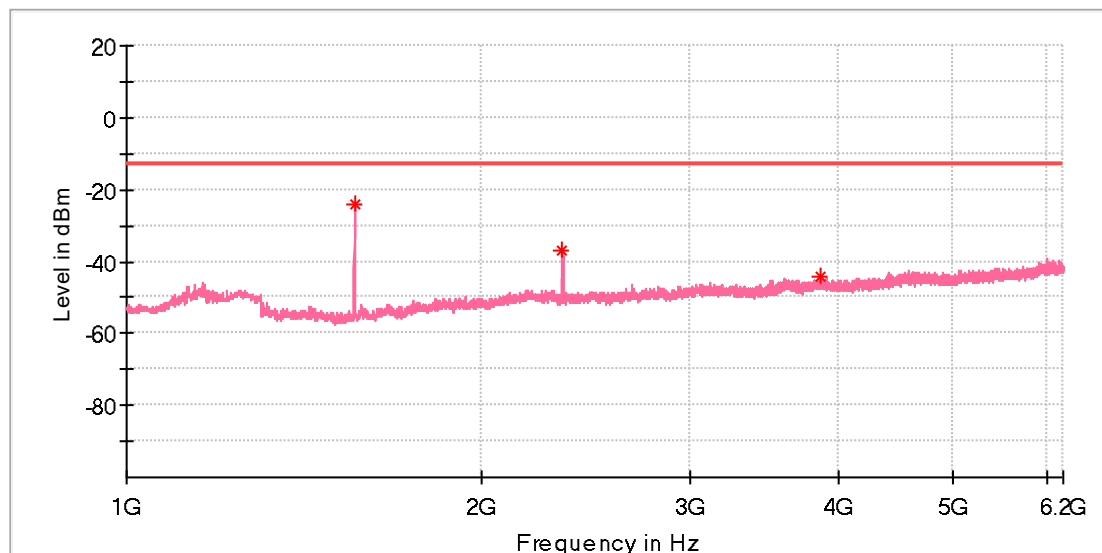


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1559.500000	-28.51	-13.00	15.51	150.0	H	244.0	-93.5
2339.500000	-42.03	-13.00	29.03	150.0	H	143.0	-88.3
3888.500000	-46.30	-13.00	33.30	150.0	H	340.0	-85.4

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

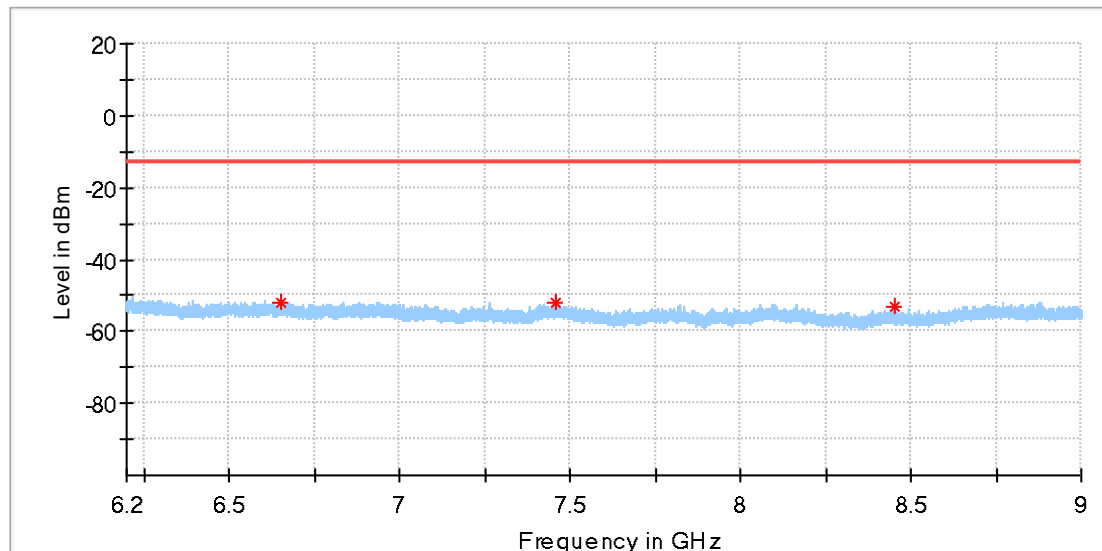


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1559.000000	-24.34	-13.00	11.34	150.0	V	290.0	-91.7
2339.000000	-36.92	-13.00	23.92	150.0	V	167.0	-86.8
3861.000000	-44.46	-13.00	31.46	150.0	V	155.0	-83.4

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

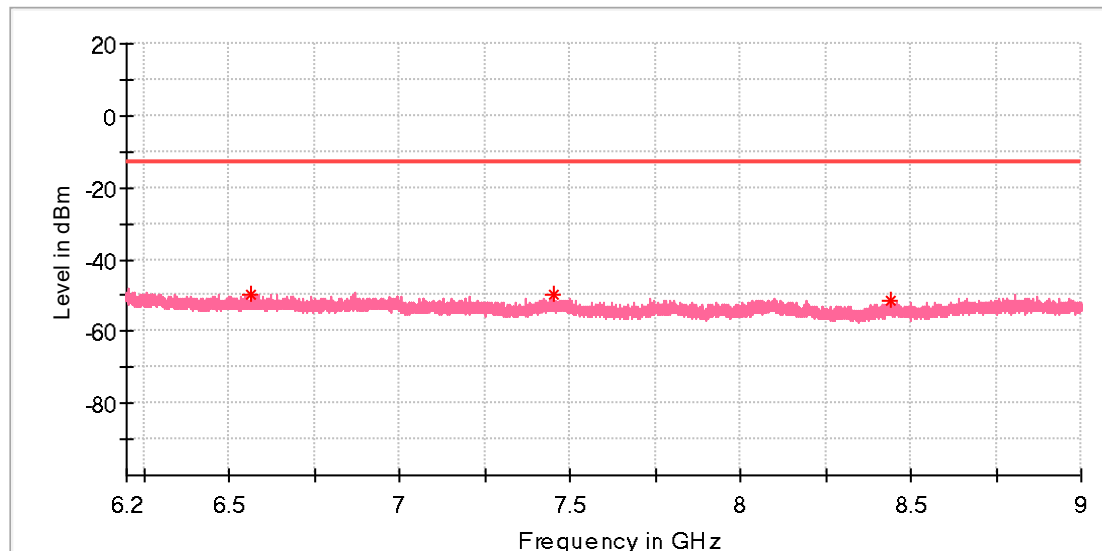


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6650.566667	-52.03	-13.00	39.03	150.0	H	247.0	-88.7
7458.600000	-52.17	-13.00	39.17	150.0	H	226.0	-88.1
8455.400000	-52.95	-13.00	39.95	150.0	H	219.0	-88.8

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 13_5M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

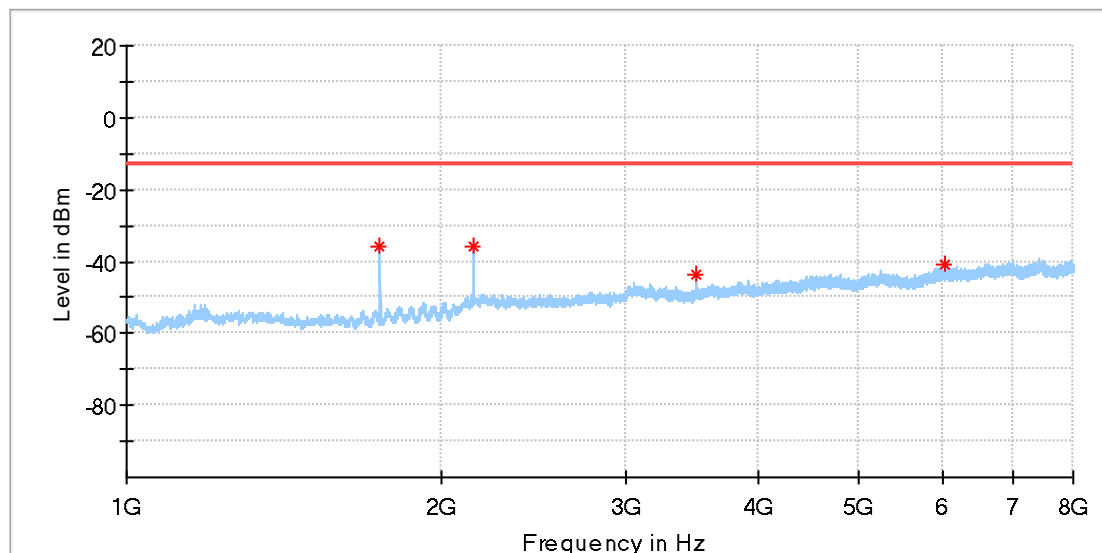


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6563.883333	-49.61	-13.00	36.61	150.0	V	310.0	-86.9
7453.466667	-49.72	-13.00	36.72	150.0	V	310.0	-86.4
8440.116667	-51.37	-13.00	38.37	150.0	V	120.0	-86.7

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

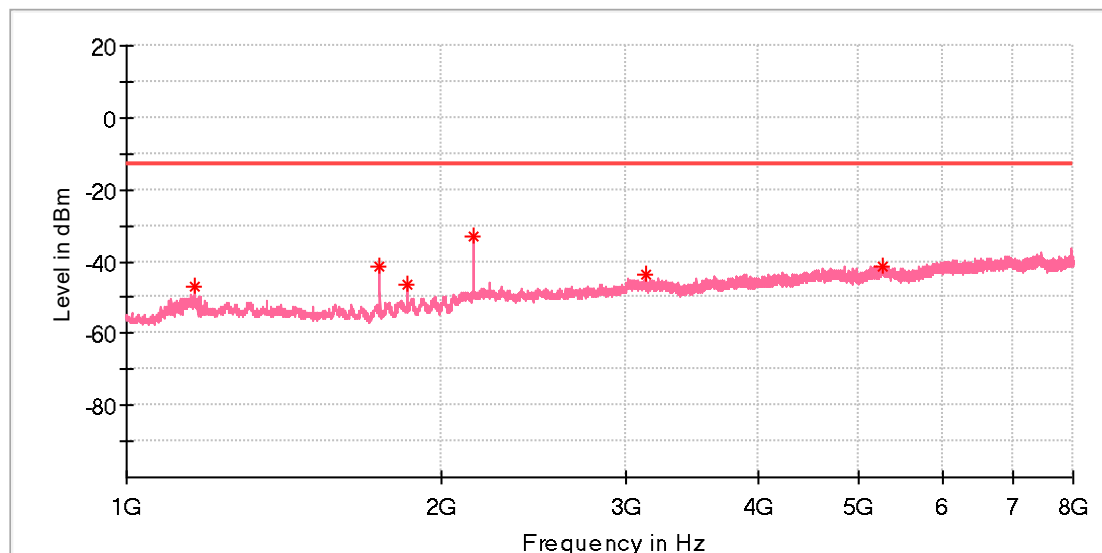


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1744.500000	-35.84	-13.00	22.84	150.0	H	50.0	-91.9
2145.000000	-36.08	-13.00	23.08	150.0	H	231.0	-88.2
3489.000000	-43.58	-13.00	30.58	150.0	H	101.0	-86.3
6033.000000	-40.68	-13.00	27.68	150.0	H	293.0	-81.0

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

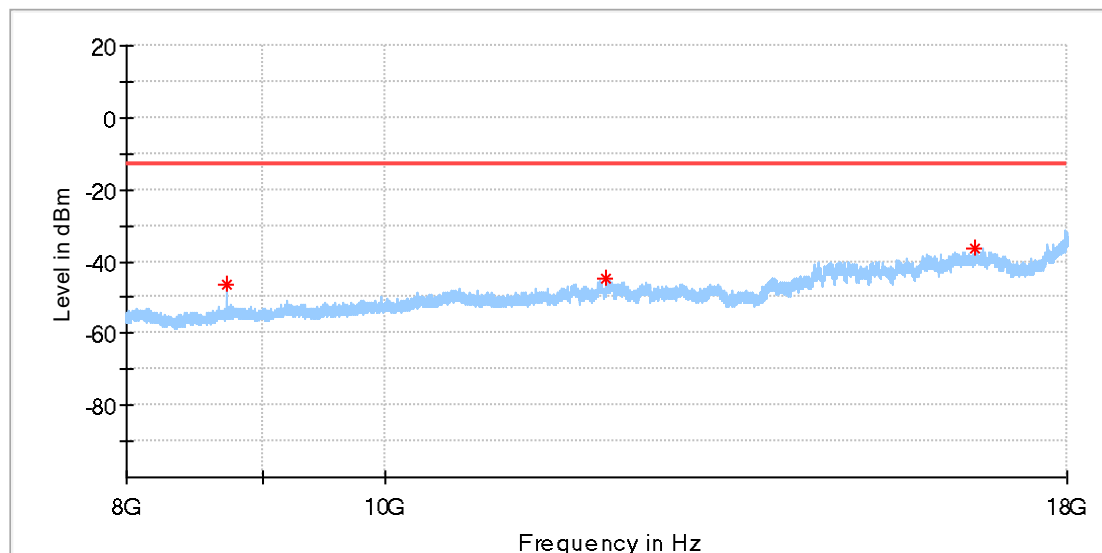


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1160.000000	-46.79	-13.00	33.79	150.0	V	15.0	-92.2
1744.500000	-41.32	-13.00	28.32	150.0	V	119.0	-89.5
1850.000000	-46.52	-13.00	33.52	150.0	V	0.0	-88.2
2145.000000	-32.99	-13.00	19.99	150.0	V	215.0	-86.6
3123.500000	-43.55	-13.00	30.55	150.0	V	90.0	-83.4
5259.000000	-41.17	-13.00	28.17	150.0	V	240.0	-79.9

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

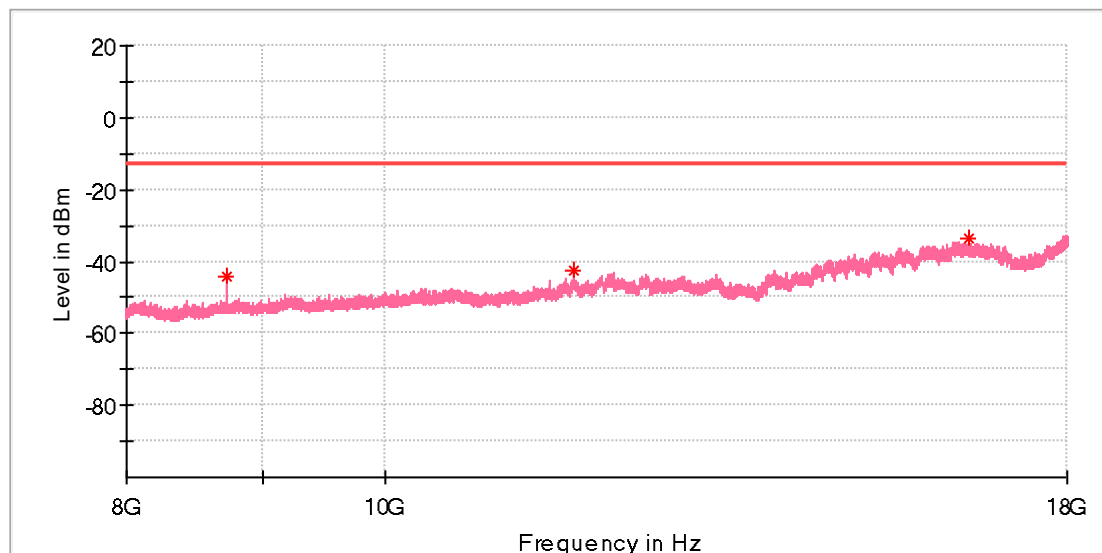


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8722.500000	-46.36	-13.00	33.36	150.0	H	149.0	-86.9
12086.500000	-45.01	-13.00	32.01	150.0	H	243.0	-81.2
16626.000000	-36.32	-13.00	23.32	150.0	H	314.0	-73.7

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: LTE Band 66_1.4M_QPSK_Mid channel
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8722.500000	-44.25	-13.00	31.25	150.0	V	117.0	-85.2
11756.000000	-42.61	-13.00	29.61	150.0	V	101.0	-79.0
16539.000000	-33.69	-13.00	20.69	150.0	V	312.0	-71.1

Appendix A.3: Test Results of Radiated Spurious Emission, Co-location

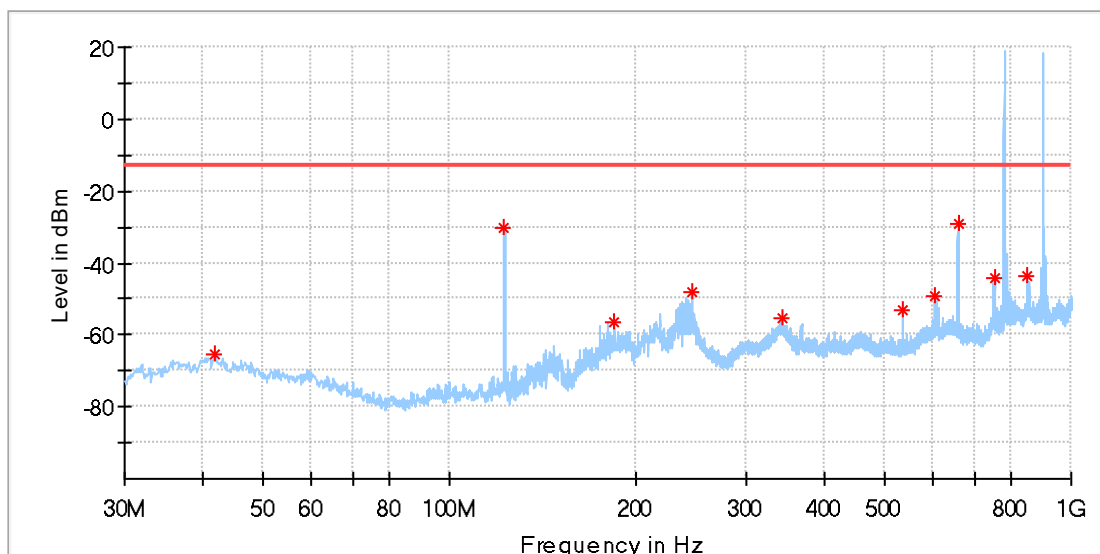
Note:

- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 2) The highest waveform in the figure is BT/WIFI/Lora/LTE Fundamental.

30 MHz - 1GHz

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	Lora+LTE+WIFI
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

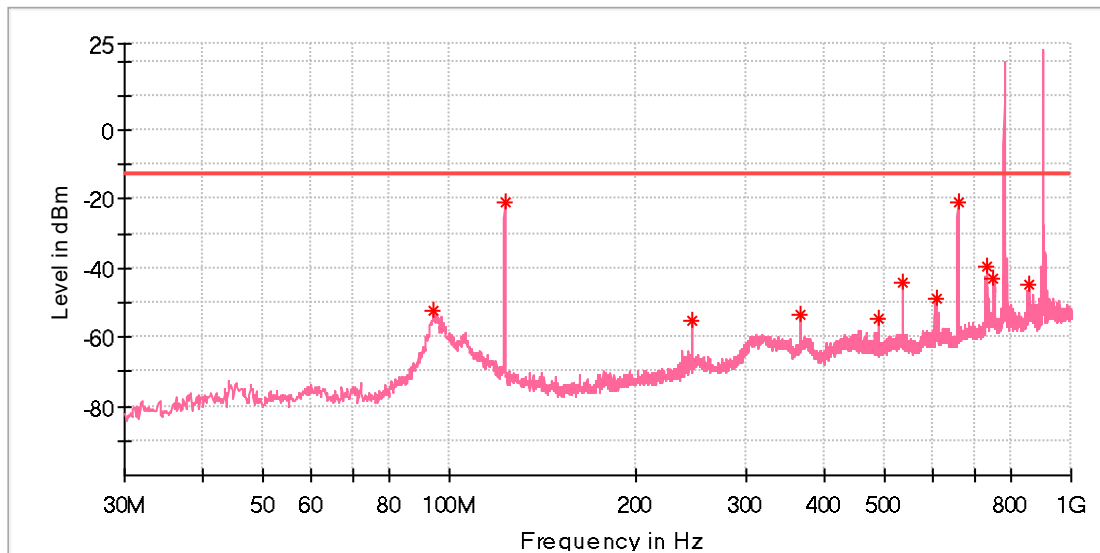


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.003750	-65.55	-13.00	52.55	100.0	H	1.0	-112.4
122.513750	-30.37	-13.00	17.37	100.0	H	37.0	-122.6
184.472500	-56.32	-13.00	43.32	100.0	H	109.0	-117.0
245.340000	-48.05	-13.00	35.05	100.0	H	37.0	-110.0
341.855000	-55.37	-13.00	42.37	100.0	H	81.0	-112.3
534.521250	-52.85	-13.00	39.86	100.0	H	85.0	-109.5
605.210000	-48.95	-13.00	35.95	100.0	H	39.0	-105.5
657.226250	-29.02	-13.00	16.02	100.0	H	39.0	-104.9
752.407500	-44.20	-13.00	31.20	100.0	H	158.0	-103.3
851.711250	-43.78	-13.00	30.78	100.0	H	105.0	-99.8

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	Lora+LTE+WIFI
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



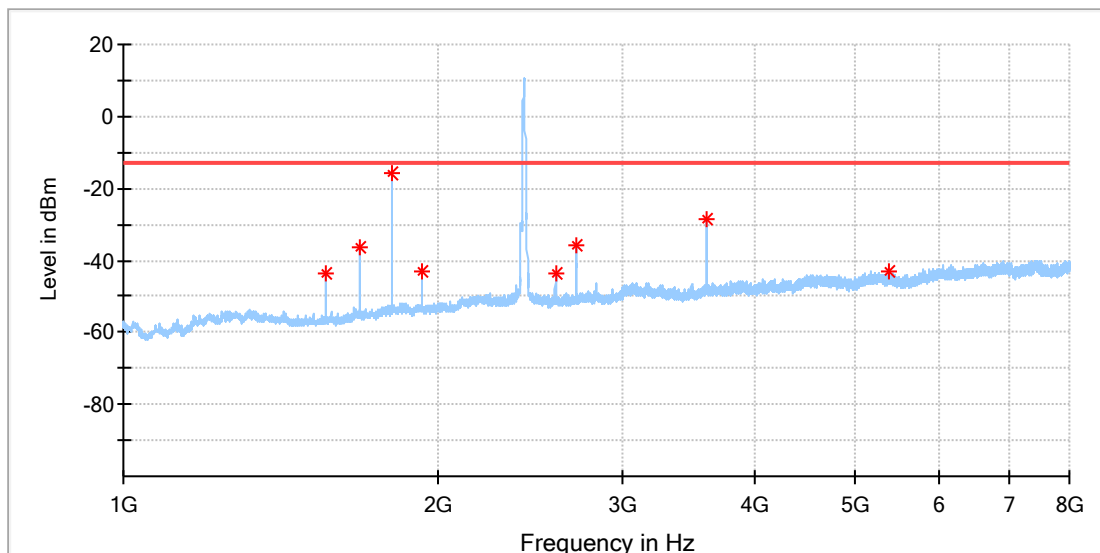
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.141250	-52.55	-13.00	39.55	100.0	V	187.0	-99.8
122.756250	-21.06	-13.00	8.06	100.0	V	5.0	-115.7
245.218750	-55.17	-13.00	42.18	100.0	V	201.0	-115.6
367.681250	-53.75	-13.00	40.75	100.0	V	5.0	-110.9
490.992500	-54.38	-13.00	41.38	100.0	V	5.0	-109.6
534.521250	-43.92	-13.00	30.92	100.0	V	5.0	-107.5
607.998750	-48.65	-13.00	35.65	100.0	V	5.0	-107.2
657.226250	-20.95	-13.00	7.95	100.0	V	5.0	-106.6
731.310000	-39.81	-13.00	26.81	100.0	V	17.0	-102.7
749.740000	-42.80	-13.00	29.80	100.0	V	42.0	-102.2
853.772500	-44.70	-13.00	31.70	100.0	V	27.0	-101.5

1GHz - 18GHz

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	Lora+LTE+WIFI
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

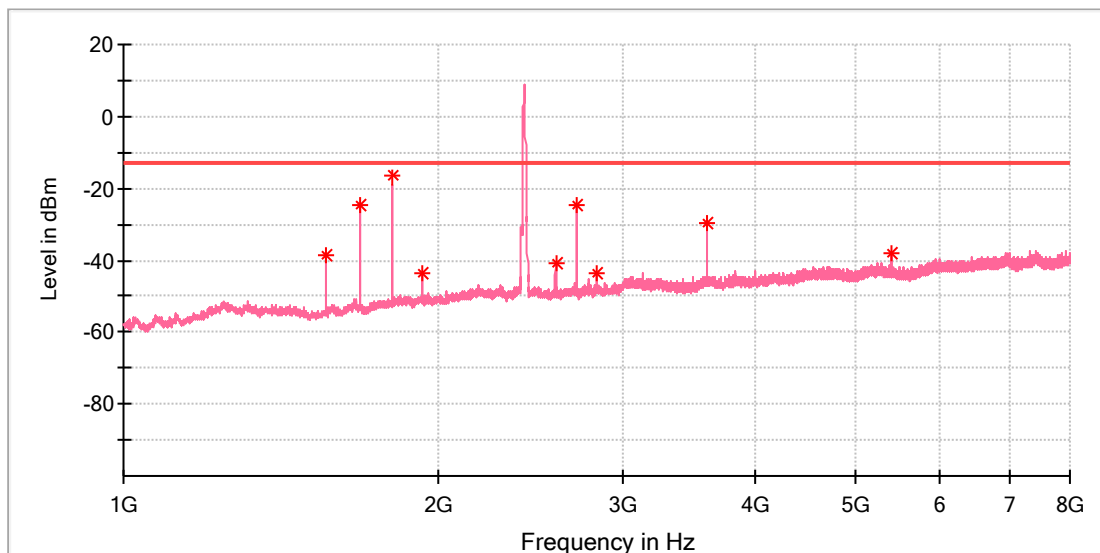


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1559.500000	-43.59	-13.00	30.59	150.0	H	10.0	-93.5
1682.000000	-36.36	-13.00	23.36	150.0	H	284.0	-92.4
1805.000000	-14.44	-13.00	1.44	150.0	H	313.0	-90.9
1928.000000	-42.87	-13.00	29.87	150.0	H	329.0	-90.1
2585.000000	-43.63	-13.00	30.63	150.0	H	37.0	-88.5
2707.500000	-35.81	-13.00	22.81	150.0	H	234.0	-88.2
3609.500000	-28.80	-13.00	15.80	150.0	H	97.0	-85.8
5382.000000	-42.84	-13.00	29.84	150.0	H	290.0	-82.2

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	Lora+LTE+WIFI
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

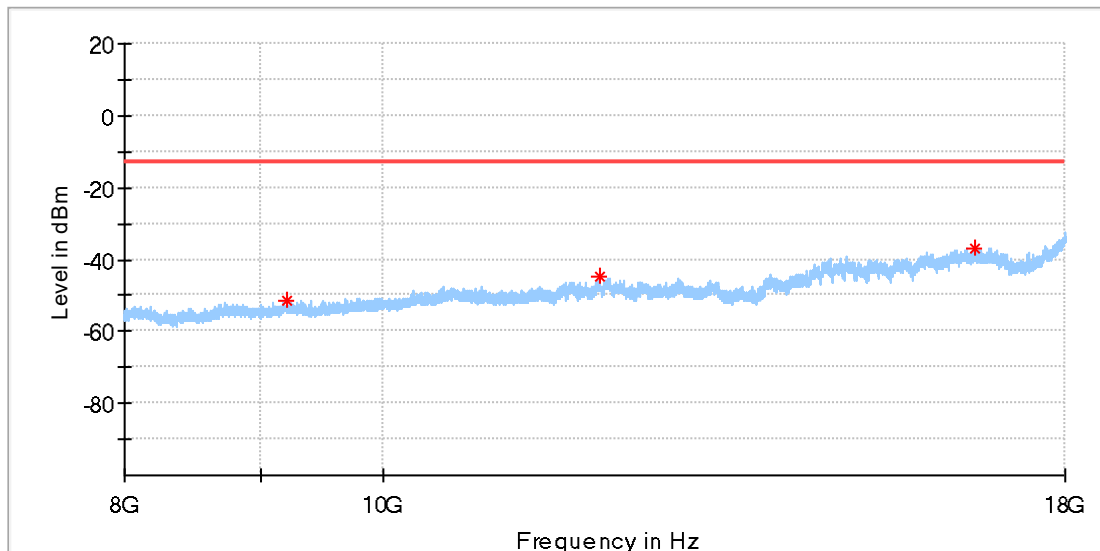


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1559.500000	-38.76	-13.00	25.76	150.0	V	274.0	-91.7
1682.000000	-24.90	-13.00	11.90	150.0	V	262.0	-90.8
1804.500000	-14.39	-13.00	1.39	150.0	V	23.0	-89.1
1927.500000	-43.82	-13.00	30.82	ss150.	V	77.0	-88.3
2585.000000	-40.98	-13.00	27.98	150.0	V	38.0	-86.5
2708.000000	-24.82	-13.00	11.82	150.0	V	333.0	-86.3
2830.000000	-43.77	-13.00	30.77	150.0	V	0.0	-85.5
3609.500000	-29.92	-13.00	16.92	150.0	V	88.0	-83.6
5415.500000	-38.26	-13.00	25.26	150.0	V	231.0	-80.4

EUT Information

EUT Name:	Robotic Lawnmower/Tondeuse
Model:	C20X
Test Mode:	Lora+LTE+WIFI
Order No/Sample No:	168581316/A004131142-002
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

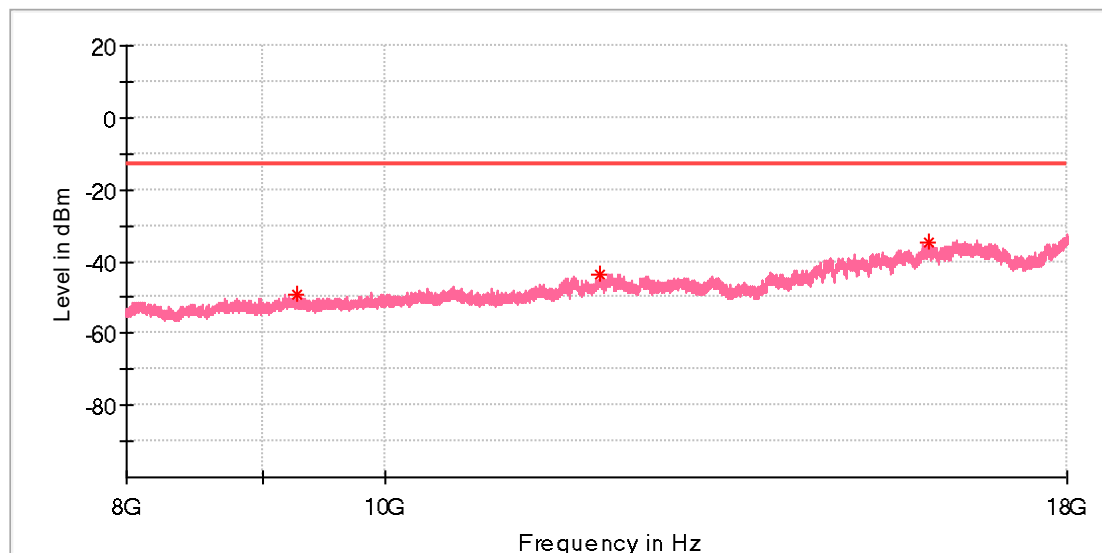


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9199.000000	-51.17	-13.00	38.17	150.0	H	161.0	-85.8
12047.500000	-44.64	-13.00	31.64	150.0	H	161.0	-79.5
16656.000000	-36.71	-13.00	23.71	150.0	H	6.0	-73.3

EUT Information

EUT Name: Robotic Lawnmower/Tondeuse
Model: C20X
Test Mode: Lora+LTE+WIFI
Order No/Sample No: 168581316/A004131142-002
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 22
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9268.000000	-49.25	-13.00	36.25	150.0	V	182.0	-83.9
12025.000000	-43.45	-13.00	30.45	150.0	V	322.0	-78.2
15965.500000	-34.45	-13.00	21.45	150.0	V	11.0	-72.1

Appendix B: Photographs of the Test Set-Up

APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP	1
PHOTOGRAPH 1: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 30MHz - 1GHz	2
PHOTOGRAPH 2: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 1GHz - 18GHz	2

Photograph 1: Set-up photo for Radiated Spurious Emission, 30MHz - 1GHz



Photograph 2: Set-up photo for Radiated Spurious Emission, 1GHz - 18GHz

