

Prüfbericht-Nr.: <i>Test report no.:</i>	CN22OS0E 001	Auftrags-Nr.: <i>Order no.:</i>	168357592	Seite 1 von 20 <i>Page 1 of 20</i>																								
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2022-02-08																									
Auftraggeber: <i>Client:</i>	VTech Electronics Limited 23F Tai Ping Industrial Center, Block 1, 57 Ting Kok Road, Tai Po, Hong Kong																											
Prüfgegenstand: <i>Test item:</i>	PAW PATROL TO THE RESCUE! PAW PATROL TO THE, PAW PATROL À LA RESCOUSSE !																											
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	6160, 80-6160xx (xx=00~99, definition of country&language version)																											
Auftrags-Inhalt: <i>Order content:</i>	FCC and IC approval																											
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 2 February 2017 CFR47 FCC Part 15: Subpart C Section 15.207 RSS-Gen Issue 5 February 2021 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-102 Issue 5 February 2021 CFR47 FCC Part 2.1093																											
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022-02-08	Please refer to photo documents																										
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003208195-001 to 002																											
Prüfzeitraum: <i>Testing period:</i>	2022-02-18 – 2022-03-01																											
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.																											
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.																											
Prüfergebnis*: <i>Test result*:</i>	Pass																											
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>																											
Datum: <i>Date:</i> 2022-03-29	Ausstellungsdatum: <i>Issue date:</i> 2022-04-01																											
Stellung / Position	Senior Project Engineer	Stellung / Position	Department Manager																									
Sonstiges / Other:																												
FCC ID: G2R-6160 IC: 1135D-6160 HVIN: 6160																												
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>																										
<table border="0"> <tr> <td>* Legende:</td> <td>1 = sehr gut</td> <td>2 = gut</td> <td>3 = befriedigend</td> <td>4 = ausreichend</td> <td>5 = mangelhaft</td> </tr> <tr> <td></td> <td>P(ass) = entspricht o.g. Prüfgrundlage(n)</td> <td>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)</td> <td>N/A = nicht anwendbar</td> <td>N/T = nicht getestet</td> <td></td> </tr> <tr> <td>Legend:</td> <td>1 = very good</td> <td>2 = good</td> <td>3 = satisfactory</td> <td>4 = sufficient</td> <td>5 = poor</td> </tr> <tr> <td></td> <td>P(ass) = passed a.m. test specifications(s)</td> <td>F(ail) = failed a.m. test specifications(s)</td> <td>N/A = not applicable</td> <td>N/T = not tested</td> <td></td> </tr> </table>					* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft		P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet		Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient	5 = poor		P(ass) = passed a.m. test specifications(s)	F(ail) = failed a.m. test specifications(s)	N/A = not applicable	N/T = not tested	
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Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>																												

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 99%dB BANDWIDTH

RESULT: Pass

5.1.5 6dB BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

Contents

1	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2	TEST SITES.....	4
2.1	TEST FACILITIES.....	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	5
2.3	TRACEABILITY.....	6
2.4	CALIBRATION.....	6
2.5	MEASUREMENT UNCERTAINTY	6
2.6	LOCATION OF ORIGINAL DATA	6
2.7	STATUS OF FACILITY USED FOR TESTING.....	6
3	GENERAL PRODUCT INFORMATION.....	7
3.1	PRODUCT FUNCTION AND INTENDED USE.....	7
3.2	RATINGS AND SYSTEM DETAILS	7
3.3	INDEPENDENT OPERATION MODES	8
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	8
3.5	SUBMITTED DOCUMENTS.....	8
4	TEST SET-UP AND OPERATION MODES	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	9
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	9
4.5	TEST SETUP DIAGRAM	10
5	TEST RESULTS.....	12
5.1	TRANSMITTER REQUIREMENT & TEST SUITES.....	12
5.1.1	Antenna Requirement.....	12
5.1.2	Maximum Conducted Output Power	13
5.1.3	Conducted Power Spectral Density.....	14
5.1.4	99%dB Bandwidth.....	15
5.1.5	6dB Bandwidth.....	16
5.1.6	Conducted Spurious Emissions Measured in 100 kHz Bandwidth	17
5.1.7	Radiated Spurious Emission.....	18
6	SAFETY HUMAN EXPOSURE	19
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE	19
6.1.1	Electromagnetic Fields	19
7	PHOTOGRAPHS OF THE TEST SET-UP.....	20
8	LIST OF TABLES	20

1 General Remarks

1.1 Complementary Materials

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

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of Conducted & Radiated Testing

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

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

FCC Registration No.: 694916

IC Registration No.: 25069, CAB identifier: CN0078

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Signal Analyzer	R&S	FSV 40	101441	09.08.2022
OSP	R&S	OSP 150	101017	02.12.2022
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	R&S	WMS32 (V11.00.00)	N/A	N/A
Power Meter	R&S	NRP2	107105	02.12.2022
Power Sensor	R&S	NRP-Z81	105677	09.08.2022
Unwanted Emission Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR 7	102021	10.08.2022
Signal Analyzer	R&S	FSV 40	101439	09.08.2022
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	09.08.2022
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	09.08.2022
Amplifier	R&S	SCU-18F	180070	09.08.2022
Amplifier	R&S	SCU40A	100475	09.08.2022
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	08.08.2022
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	08.08.2022
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	08.08.2022
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	13.09.2022
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	22.06.2024

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.

Item		Extended Uncertainty
Radiated Emission (30-1000MHz)	Field strength (dB μ V/m)	4.27dB
Radiated Emission (above 1000MHz)	Field strength (dB μ V/m)	4.46dB
Radio Spectrum		± 1.5 dB

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

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

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a remote controller, it supports 2.4GHz wireless technology.

All models are identical except the model number for different market purpose.

Models list:

Model No.	Model Name	Version	Trade mark
80-616000	PAW PATROL TO THE RESCUE!	US	LeapFrog
80-616000	PAW PATROL TO THE	CAN-EN	LeapFrog
80-616006	PAW PATROL À LA RESCOUSSE !	CAN-FR	LeapFrog
80-6160xx	--	--	LeapFrog/Vtech
6160	--	--	LeapFrog/Vtech

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

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	PAW PATROL TO THE RESCUE! PAW PATROL TO THE, PAW PATROL À LA RESCOUSSE !
Type Designation	6160, 80-6160xx (xx=00~99, definition of country&language version)
FCC ID	G2R-6160
IC	1135D-6160
HVIN	6160
Operating Voltage	DC 3.0V (Supplier by 2* 1.5V AA/LR6/AM-3 battery)
Testing Voltage	DC 3V
Technical Specification of 2.4GHz	
Operating Frequency	2408 – 2472 MHz
Channel Number	3 channels
Frequency list	2408MHz, 2438MHz, 2472MHz
Modulation	GFSK
Antenna Type	Integral PCB Antenna
Smart Antenna Systems:	Not Applicable
Number of Antenna	1
Antenna Gain	0 dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, transmitting mode
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. On, Operating
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

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

4.2 Test Operation and Test Software

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

According to clause 3.1, all test were applied on model 6160.

4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Notebook	Lenovo	ThinkPad X260	N/A

4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

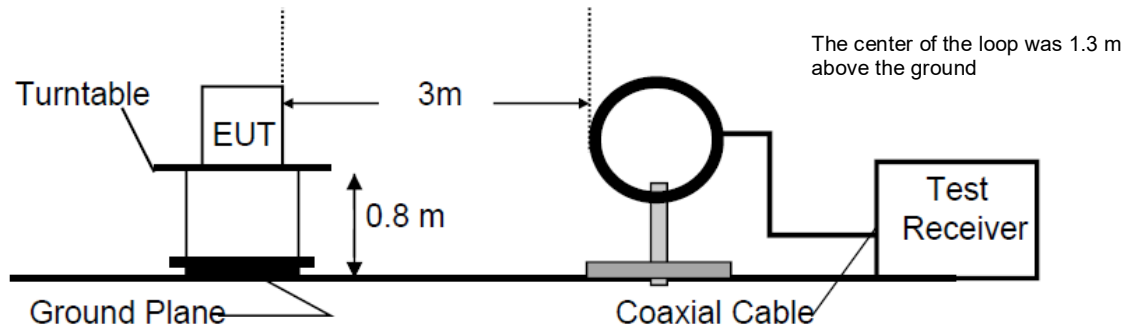


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

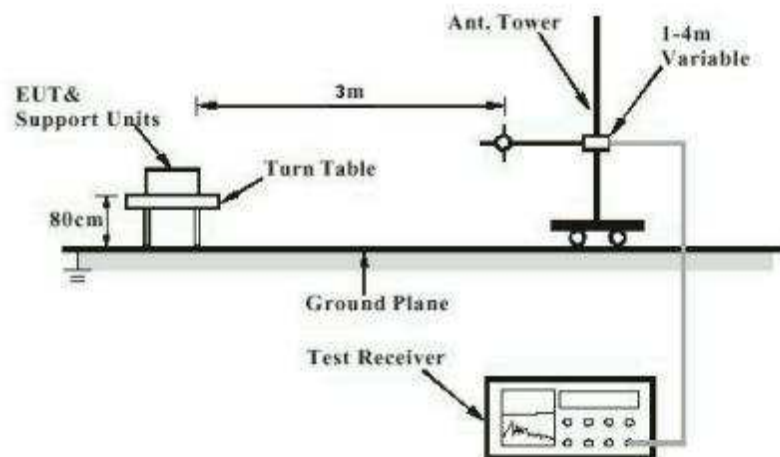


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

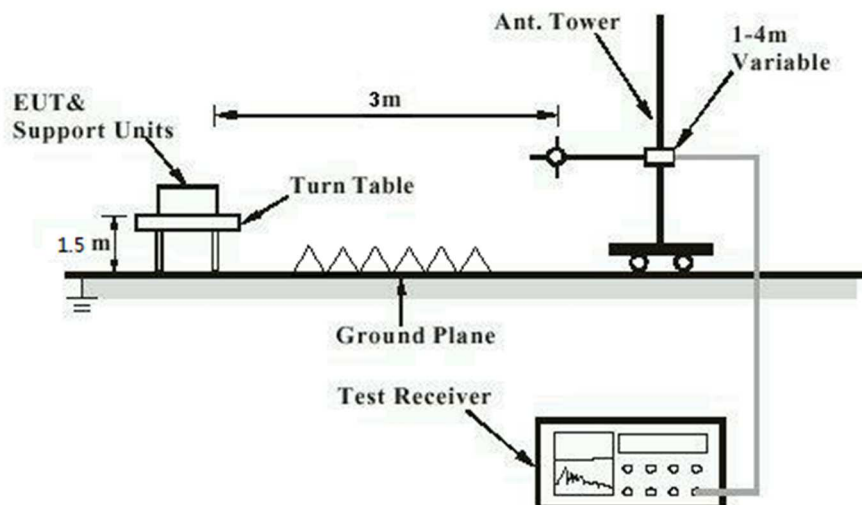
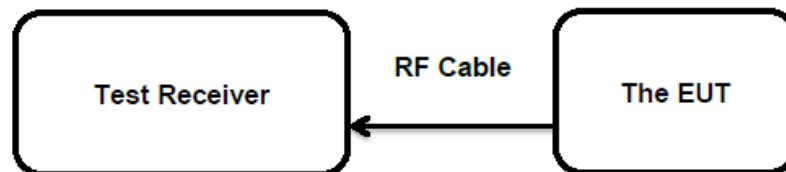


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

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

According to the manufacturer declared, the EUT has an ceramic chip antenna , the directional gain of antenna is 0 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Conducted Output Power

RESULT:
Pass
Test Specification

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

Test Setup

Date of testing	:	2022-03-01
Input voltage	:	DC 3V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 °C
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For details refer to following test result.

Table 4: Test Result of Maximum Conducted Output Power

Channel	Channel Frequency (MHz)	Conducted Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2408	-2.45	0.00057	1
Middle Channel	2438	-2.33	0.00058	1
High Channel	2472	-2.11	0.00062	1

Note: The cable loss is taken into account in results and the e.i.r.p. is -2.11 dBm less than 4W (36 dBm).

5.1.3 Conducted Power Spectral Density

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

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

Test Setup

Date of testing	: 2022-03-01
Input voltage	: DC 3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 5: Test Result of Power Spectral Density

Channel	Channel Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2408	-16.83	8
Middle Channel	2438	-17.19	8
High Channel	2472	-16.95	8

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix B.

5.1.4 99%dB Bandwidth

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

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

Test Setup

Date of testing : 2022-02-28
Input voltage : DC 3V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 24.8 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

Table 6: Test Result of 99% Bandwidth

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2408	5.369	/	Pass
Mid Channel	2438	4.399	/	Pass
High Channel	2472	4.124	/	Pass

For the measurement records, refer to the appendix B.

5.1.5 6dB Bandwidth

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

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

Test Setup

Date of testing : 2022-02-28
Input voltage : DC 3V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 24.8 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

Table 7: Test Result of 6dB Bandwidth

Channel	Channel Frequency (MHz)	-6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2408	999	500	Pass
Mid Channel	2438	796	500	Pass
High Channel	2472	883	500	Pass

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: CN22OS0E 001

Test Report No.

Seite 17 von 20

Page 17 of 20

5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth**RESULT:****Pass****Test Specification**

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

Test Setup

Date of testing	: 2022-03-01
Input voltage	: DC 3V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

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

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: CN22OS0E 001

Test Report No.

Seite 18 von 20

Page 18 of 20

5.1.7 Radiated Spurious Emission

RESULT:

Pass

Test Specification

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

Test Setup

Date of testing	:	2022-02-18
Input voltage	:	DC 3V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	22 °C
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

Remark:

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

For the measurement records, refer to the appendix B.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

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

Test standard : FCC KDB Publication 447498 v06
CFR47 FCC Part 2: Section 2.1093
CFR47 FCC Part 1: Section 1.1310
RSS-102 Issue 5 February 2021

FCC requirement:

The measured maximum conducted output power of the EUT is -2.11dBm $\approx$ 0.62mW, which is far below the SAR exclusion threshold level 10mW (SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and $\leq$ 50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v06.

IC requirements:

The measured maximum specified e.i.r.p of the EUT is -2.11dBm $\approx$ 0.62mW, which is far below the SAR exclusion threshold level 4mW, hence the EUT is excluded from SAR evaluation according to RSS-102 Issue 5 section 2.5.1.

7 Photographs of the Test Set-Up

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

8 List of Tables

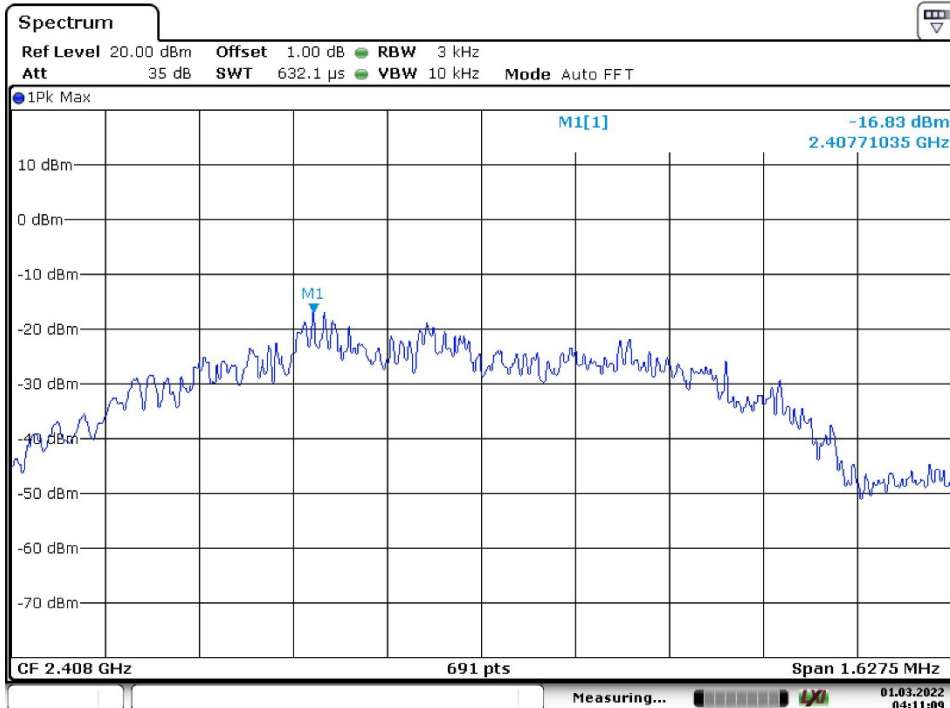
Table 1: List of Test and Measurement Equipment.....	5
Table 2: Technical Specification of EUT	7
Table 3: List of Accessories and Auxiliary Equipment.....	9
Table 4: Test Result of Maximum Conducted Output Power.....	13
Table 5: Test Result of Power Spectral Density.....	14
Table 6: Test Result of 99% Bandwidth	15
Table 7: Test Result of 6dB Bandwidth.....	16

Appendix B: Test Results

APPENDIX B: TEST RESULTS	1
APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY	2
<i>Low Channel</i>	<i>2</i>
<i>Middle Channel</i>	<i>2</i>
<i>High Channel</i>	<i>3</i>
APPENDIX B.2: 6DB BANDWIDTH	4
<i>Low Channel</i>	<i>4</i>
<i>Middle Channel</i>	<i>4</i>
<i>High Channel</i>	<i>5</i>
APPENDIX B.3: 99% BANDWIDTH	6
<i>Low Channel</i>	<i>6</i>
<i>Middle Channel</i>	<i>6</i>
<i>High Channel</i>	<i>7</i>
APPENDIX B.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	8
<i>Low Channel</i>	<i>8</i>
<i>Middle Channel</i>	<i>9</i>
<i>High Channel</i>	<i>10</i>
<i>Low Channel_Band Edge</i>	<i>11</i>
<i>High Channel_Band Edge</i>	<i>11</i>
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	12
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	26

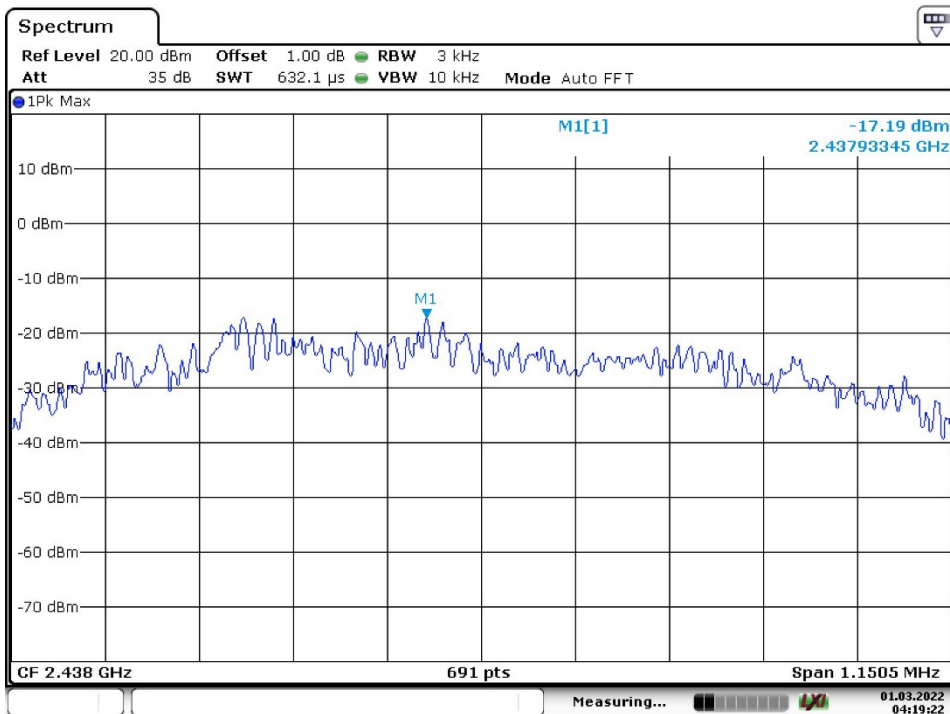
Appendix B.1: Conducted Power Spectral Density

Low Channel



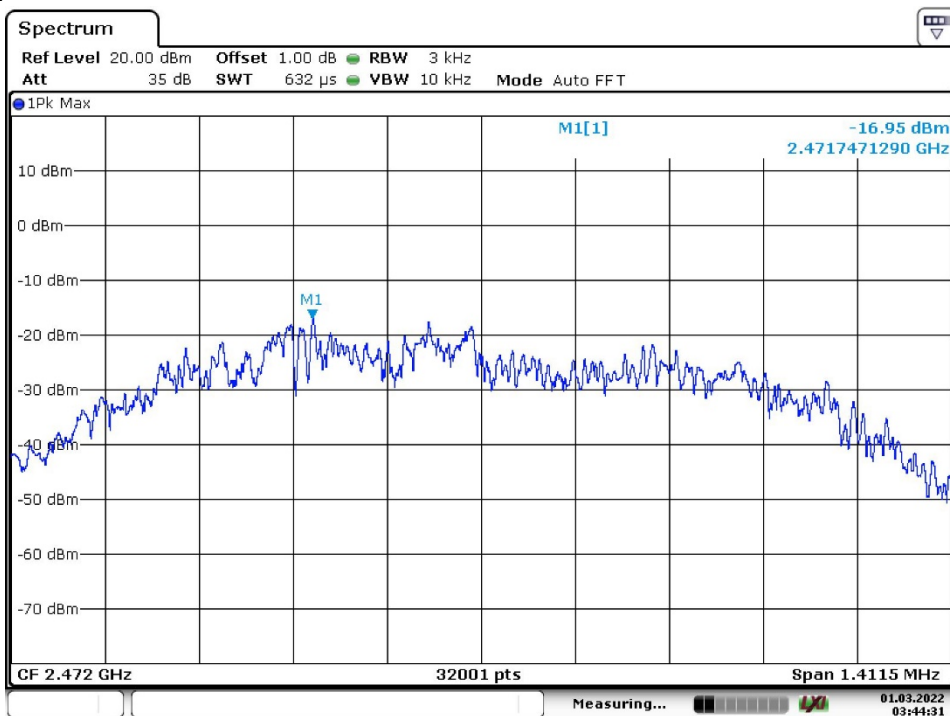
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Middle Channel



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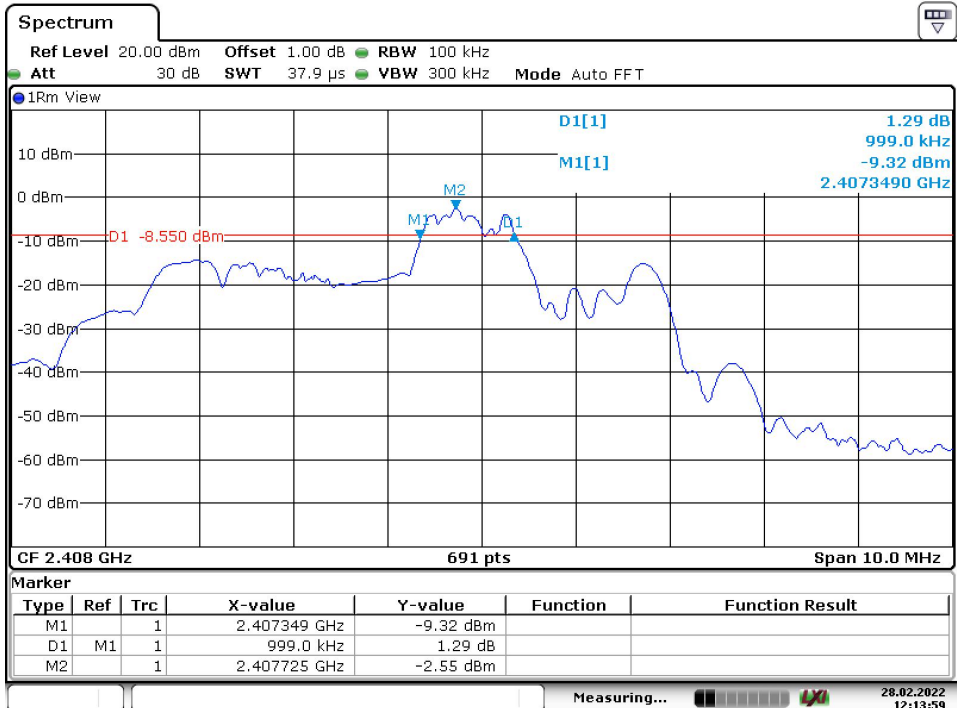
High Channel



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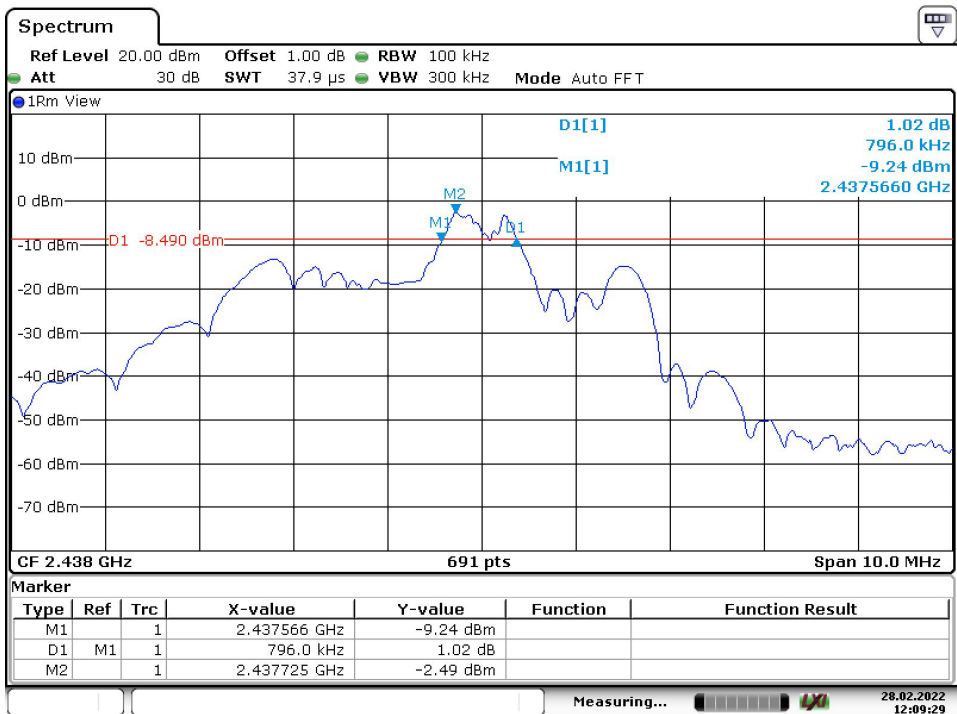
Appendix B.2: 6dB Bandwidth

Low Channel



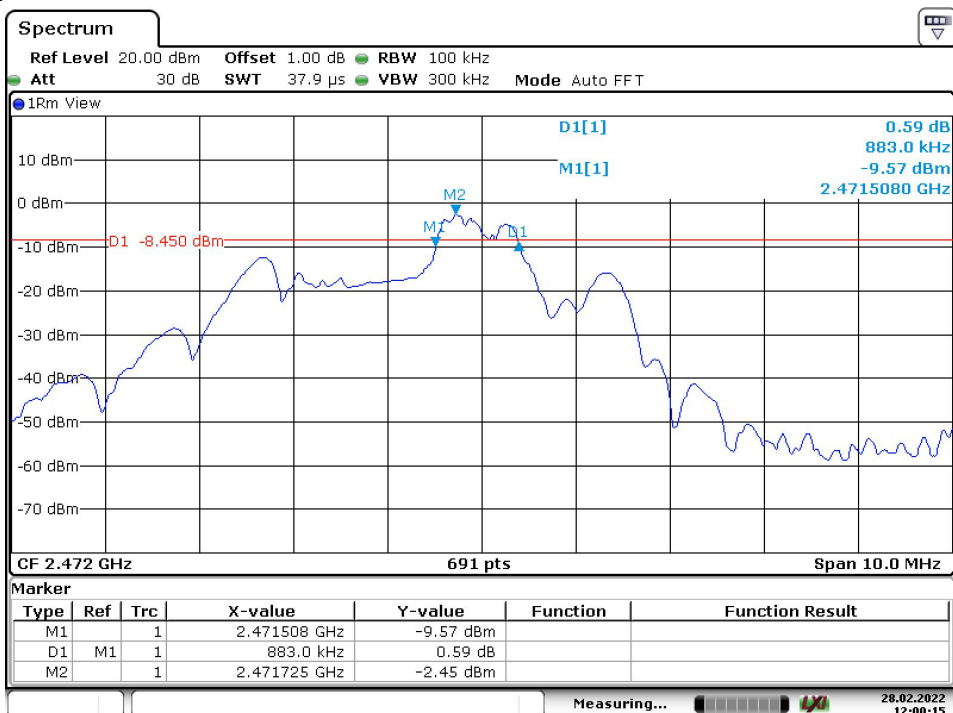
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Middle Channel



Date: 28.FEB.2022 12:09:29

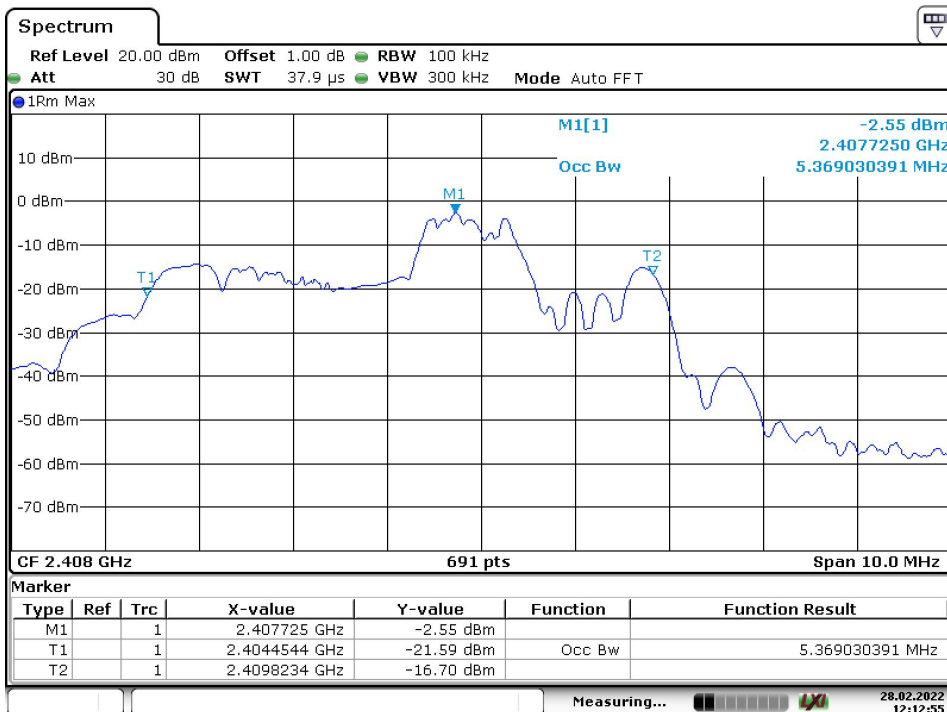
High Channel



Date: 28.FEB.2022 12:00:15

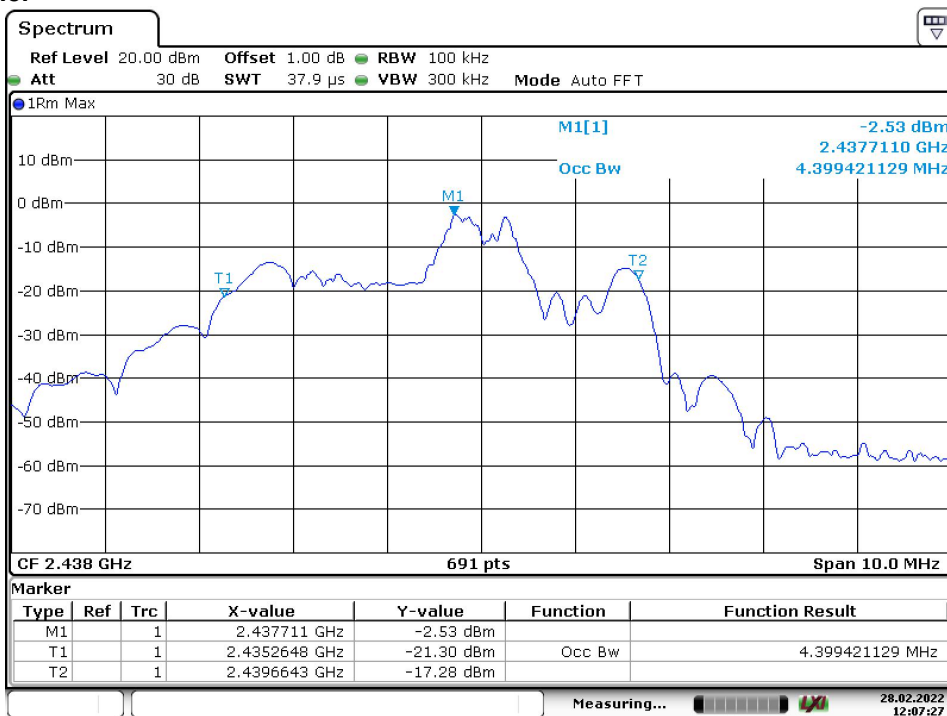
Appendix B.3: 99% Bandwidth

Low Channel



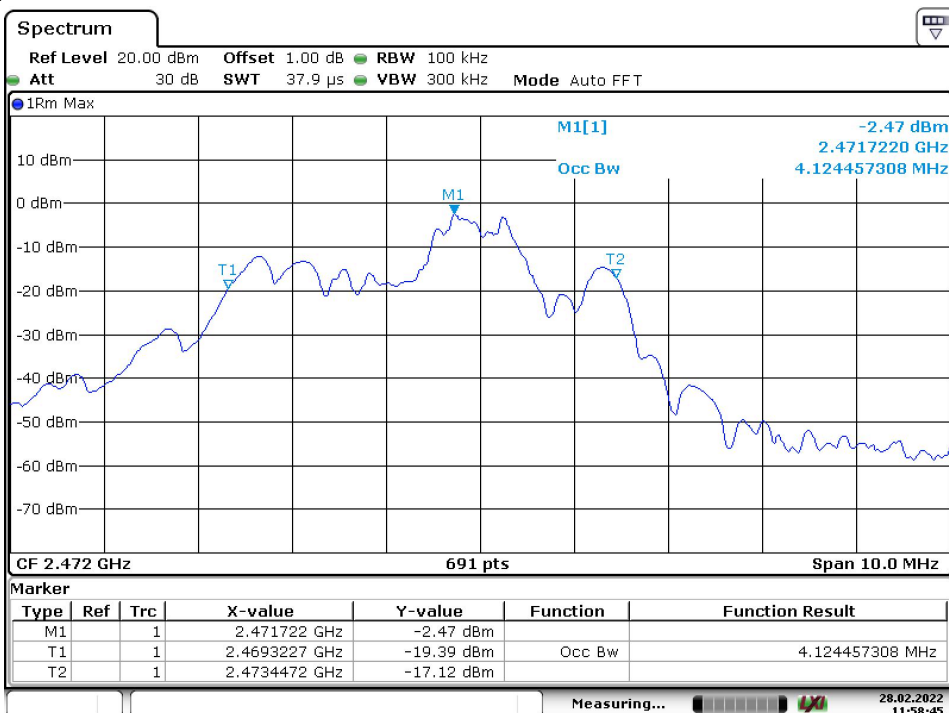
Date: 28.FEB.2022 12:12:55

Middle Channel



Date: 28.FEB.2022 12:07:27

High Channel



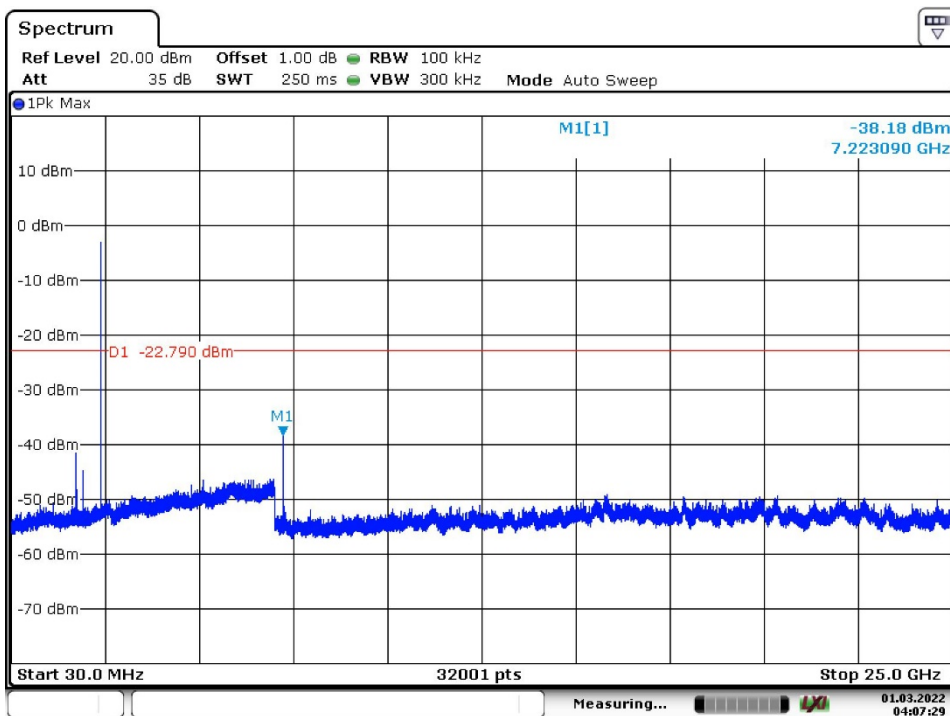
Date: 28.FEB.2022 11:58:45

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

Low Channel

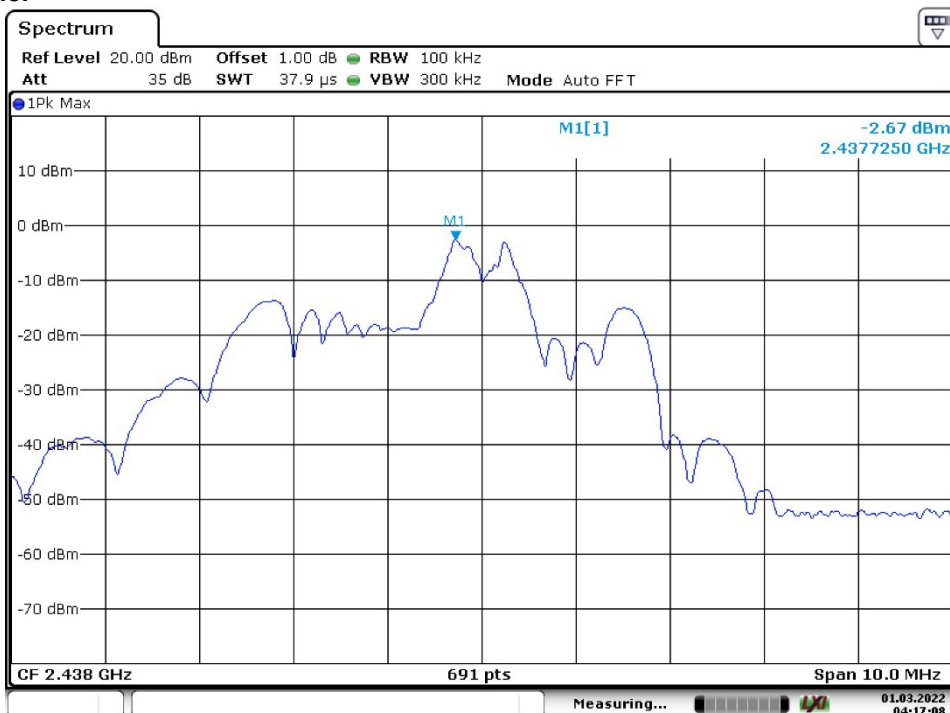


Date: 1.MAR.2022 04:01:43

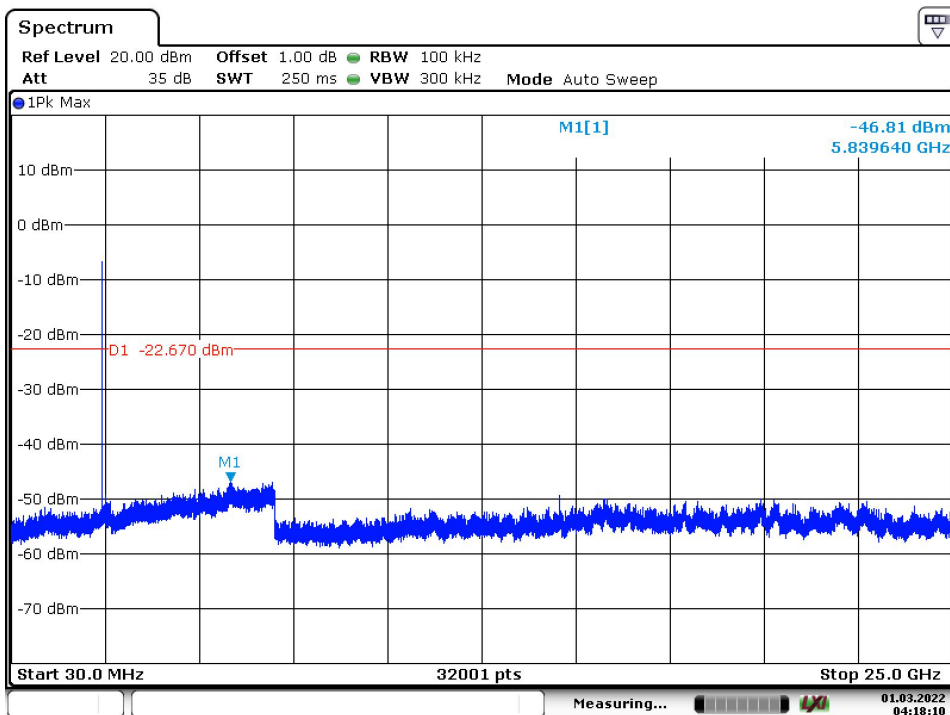


Date: 1.MAR.2022 04:07:29

Middle Channel

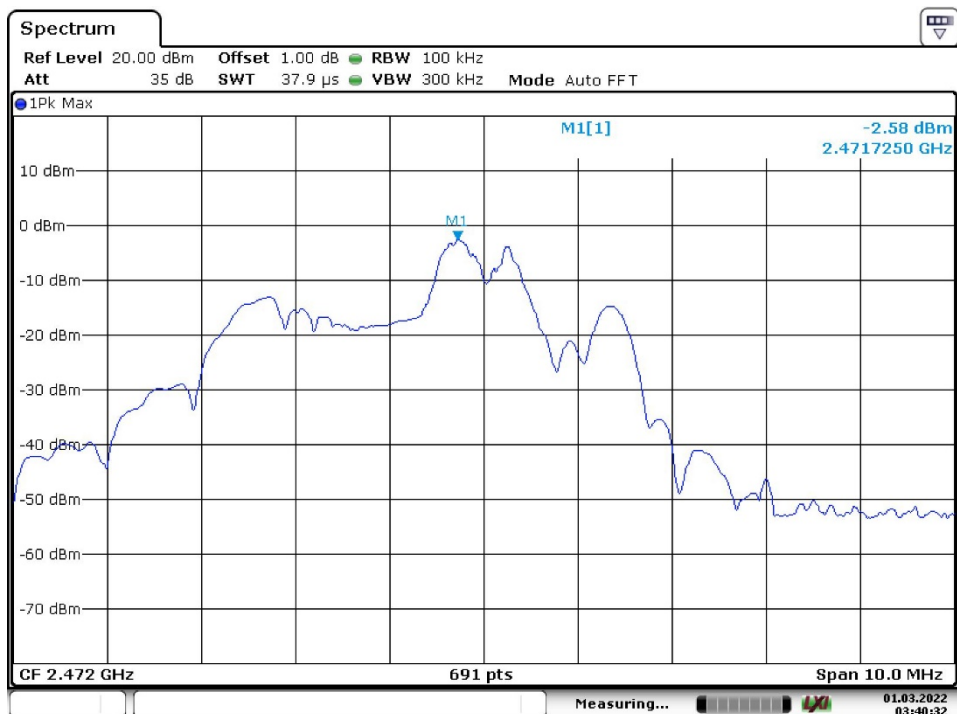


Date: 1.MAR.2022 04:17:08

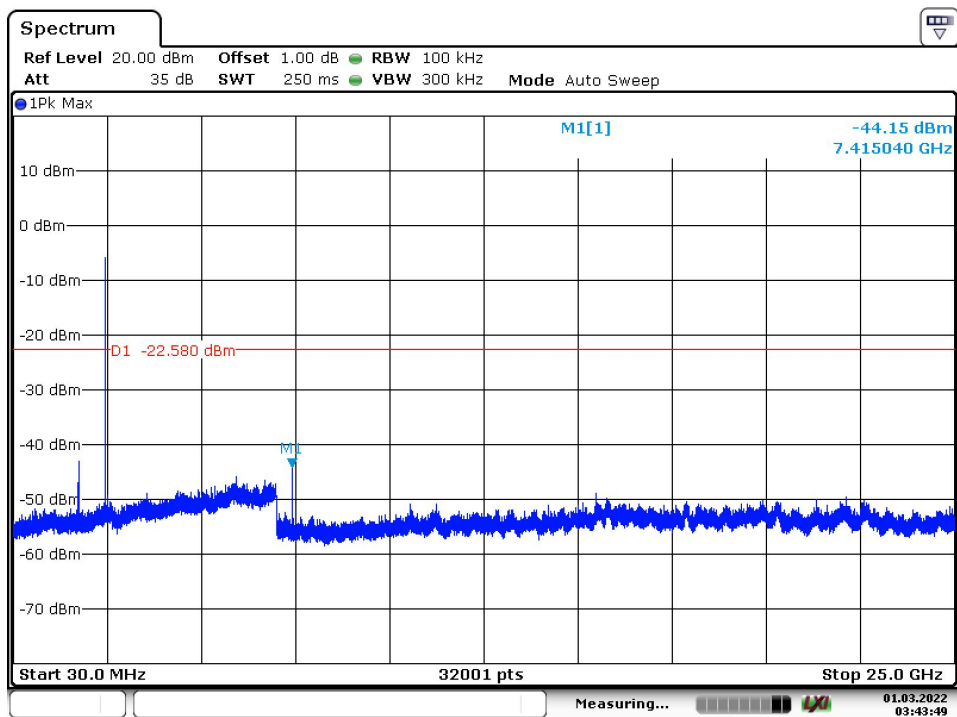


Date: 1.MAR.2022 04:18:11

High Channel

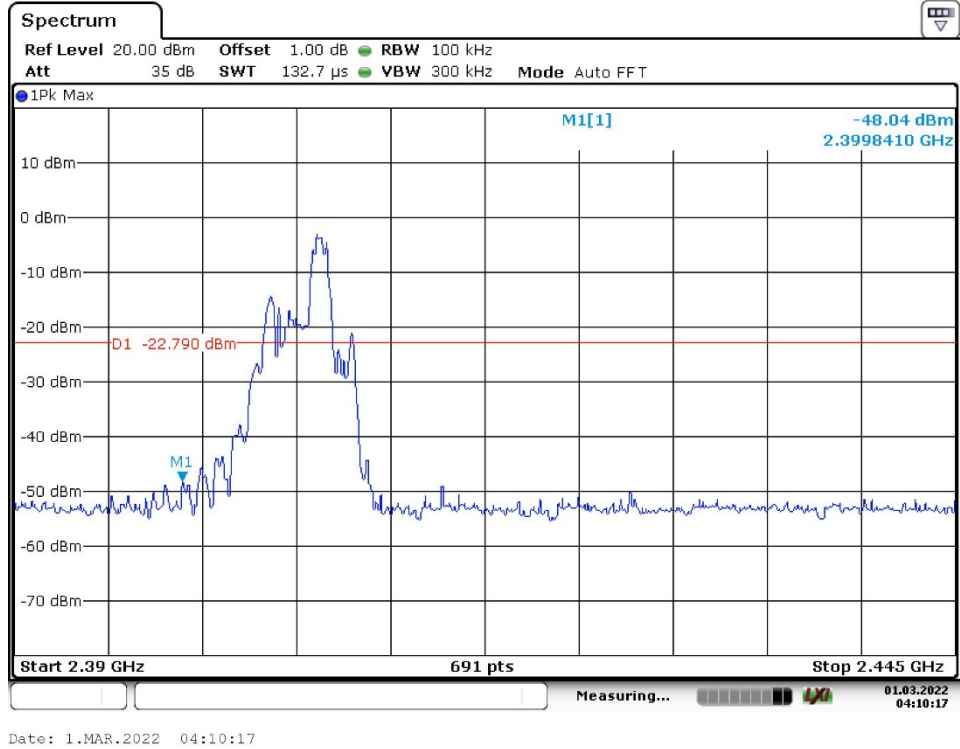


Date: 1.MAR.2022 03:40:32

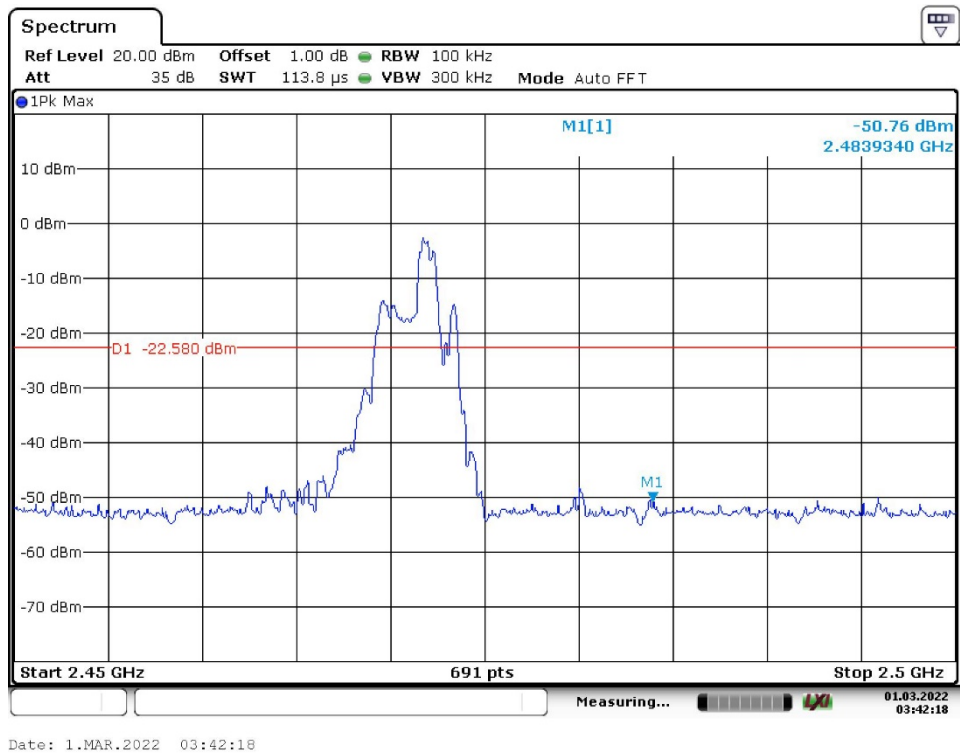


Date: 1.MAR.2022 03:43:49

Low Channel_Band Edge



High Channel_Band Edge

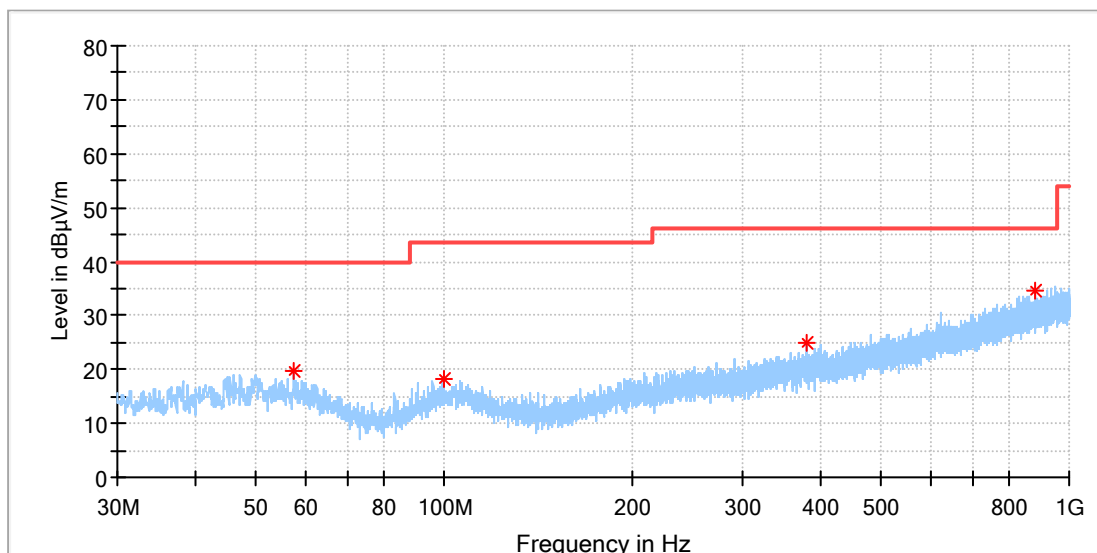


Appendix B.5: Test Results of Radiated Spurious Emissions

Note 1: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Mid channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

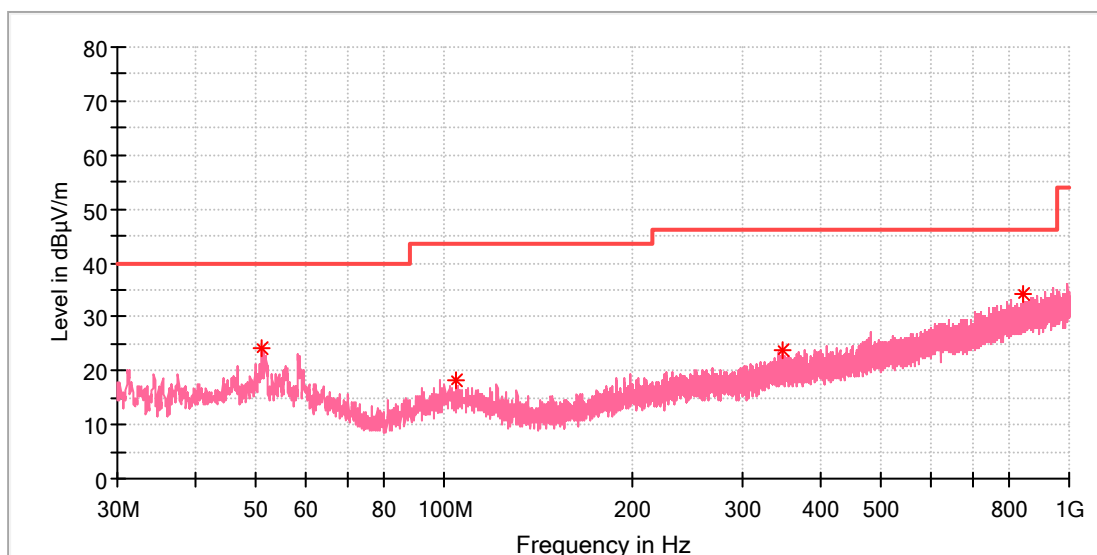


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.499500	19.82	40.00	20.18	100.0	H	306.0	-18.7
99.597500	18.32	43.50	25.18	100.0	H	116.0	-19.1
379.297000	24.79	46.00	21.21	100.0	H	255.0	-14.3
882.193500	34.44	46.00	11.56	100.0	H	326.0	-5.1

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Mid channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

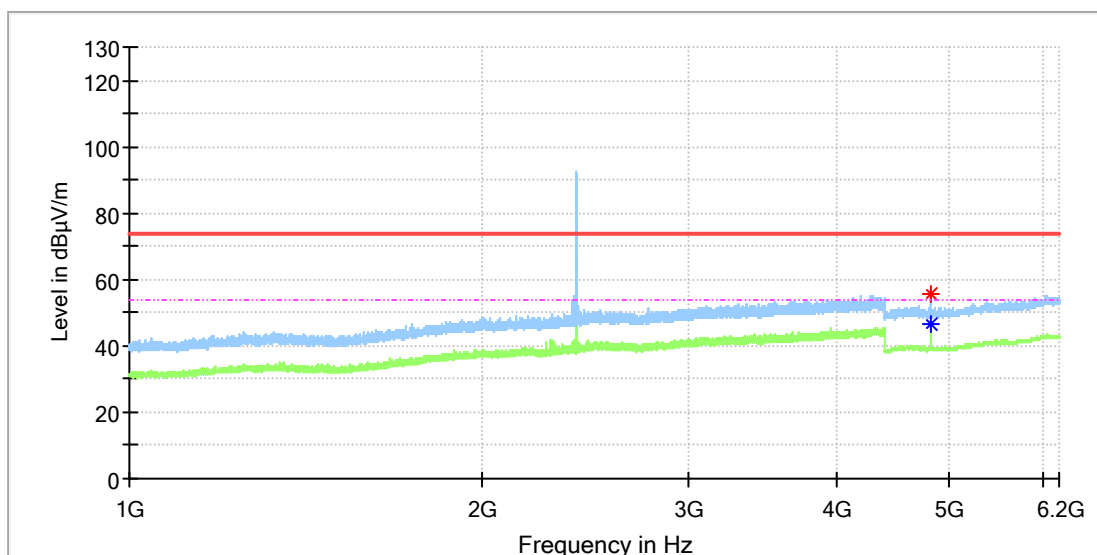


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.049000	24.08	40.00	15.92	100.0	V	23.0	-18.3
104.496000	18.05	43.50	25.45	100.0	V	55.0	-18.8
346.753500	23.91	46.00	22.09	100.0	V	180.0	-14.8
844.751500	34.36	46.00	11.64	100.0	V	0.0	-5.6

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Low channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

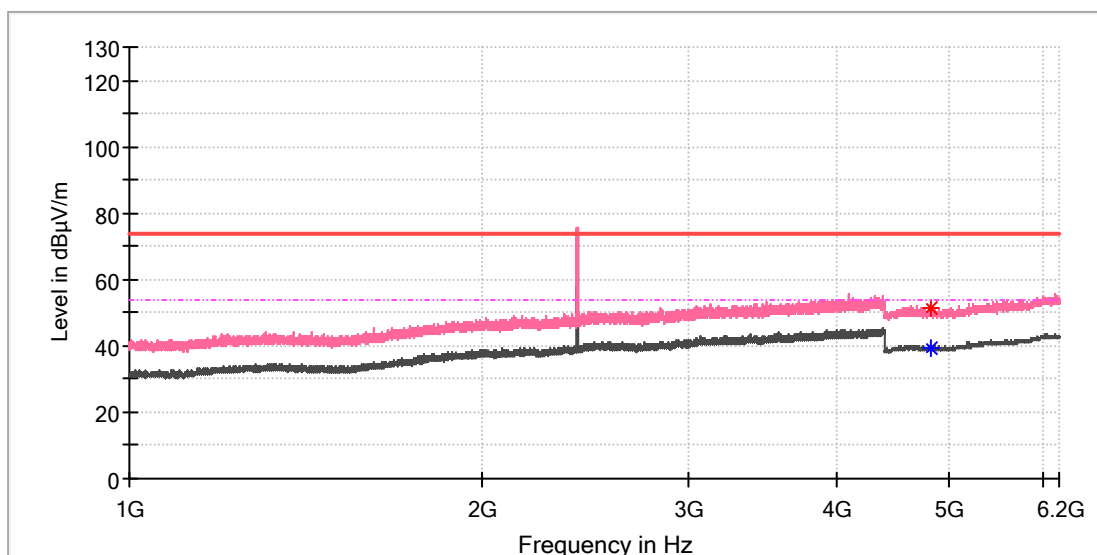


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4815.500000	---	46.79	54.00	7.21	100.0	H	162.0	11.8
4819.000000	55.41	---	74.00	18.59	100.0	H	125.0	11.8

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Low channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

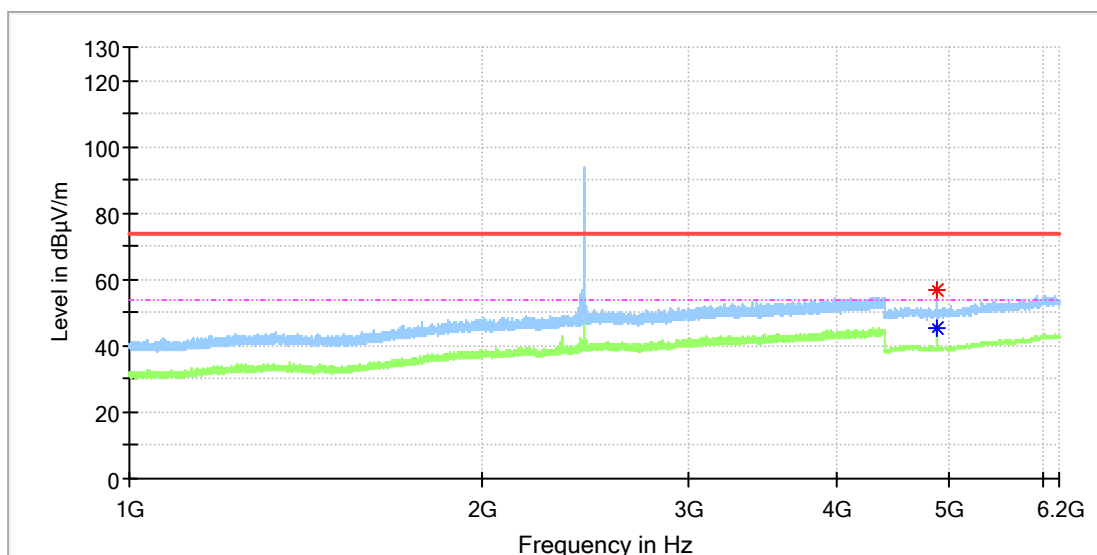


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4818.500000	---	39.36	54.00	14.64	100.0	V	128.0	11.8
4819.000000	51.17	---	74.00	22.83	100.0	V	313.0	11.8

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Mid channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

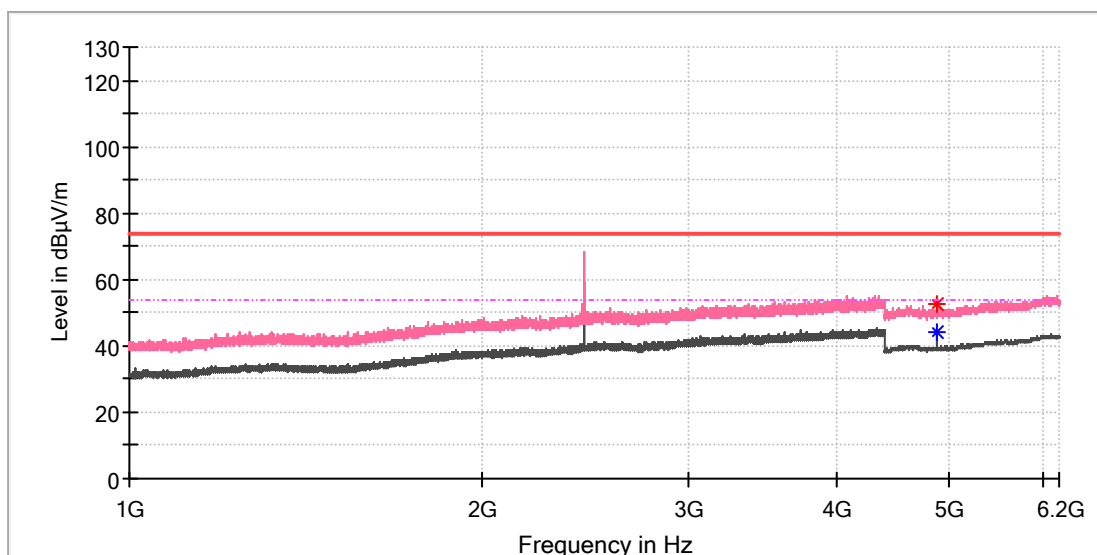


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	56.82	---	74.00	17.18	100.0	H	139.0	11.8
4877.000000	---	45.43	54.00	8.57	100.0	H	296.0	11.8

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Mid channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

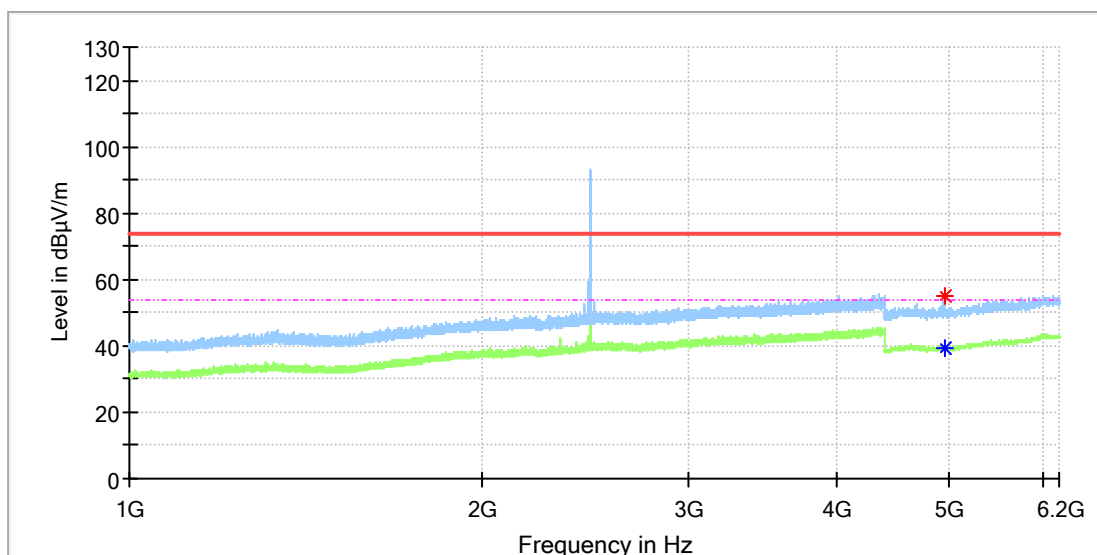


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.500000	52.48	---	74.00	21.52	100.0	V	217.0	11.8
4876.500000	---	44.00	54.00	10.00	100.0	V	217.0	11.8

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	High channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

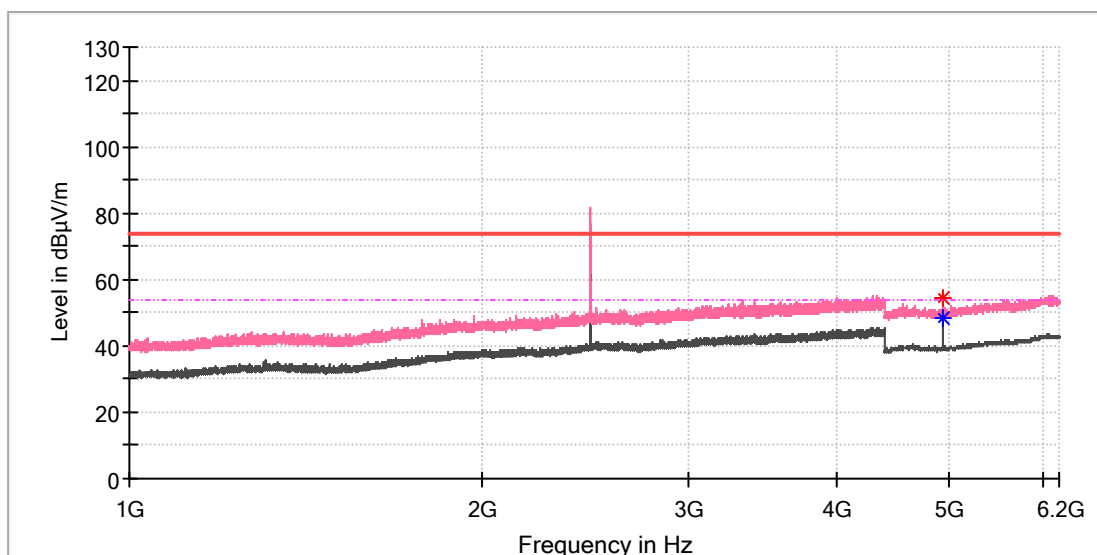


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4947.000000	54.95	---	74.00	19.05	100.0	H	124.0	11.8
4949.000000	---	39.47	54.00	14.53	100.0	H	345.0	11.8

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	High channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

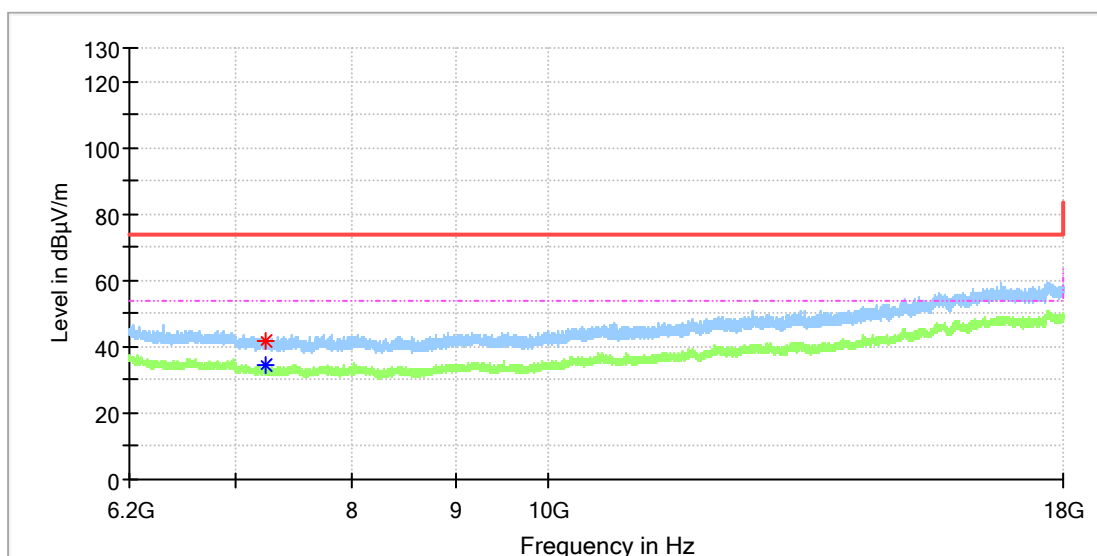


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4943.000000	54.25	---	74.00	19.75	100.0	V	225.0	11.8
4943.500000	---	48.67	54.00	5.33	100.0	V	225.0	11.8

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Low channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

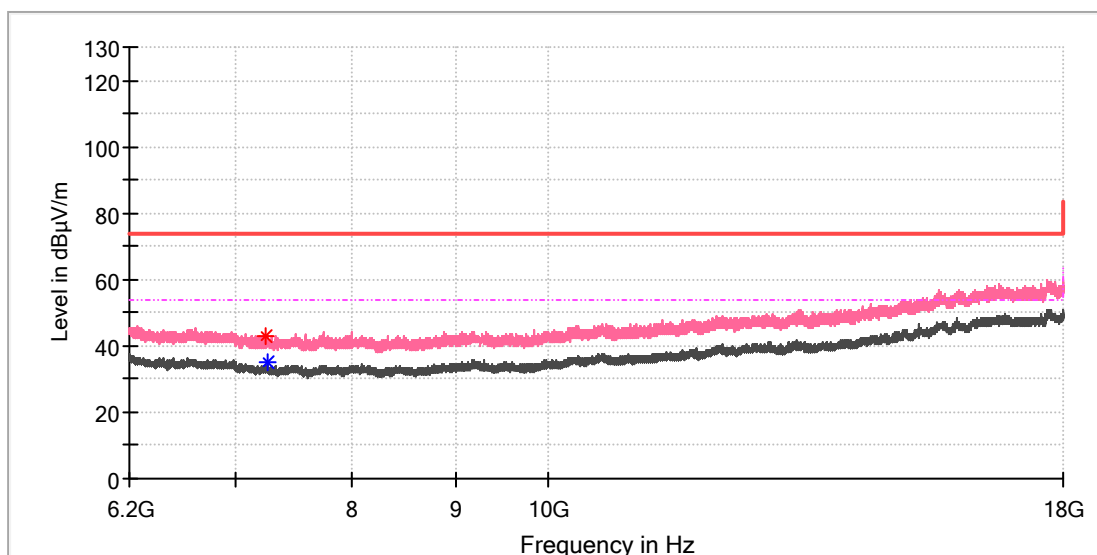


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7241.350000	41.76	---	74.00	32.24	100.0	H	202.0	8.6
7241.350000	---	34.39	54.00	19.61	100.0	H	202.0	8.6

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Low channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

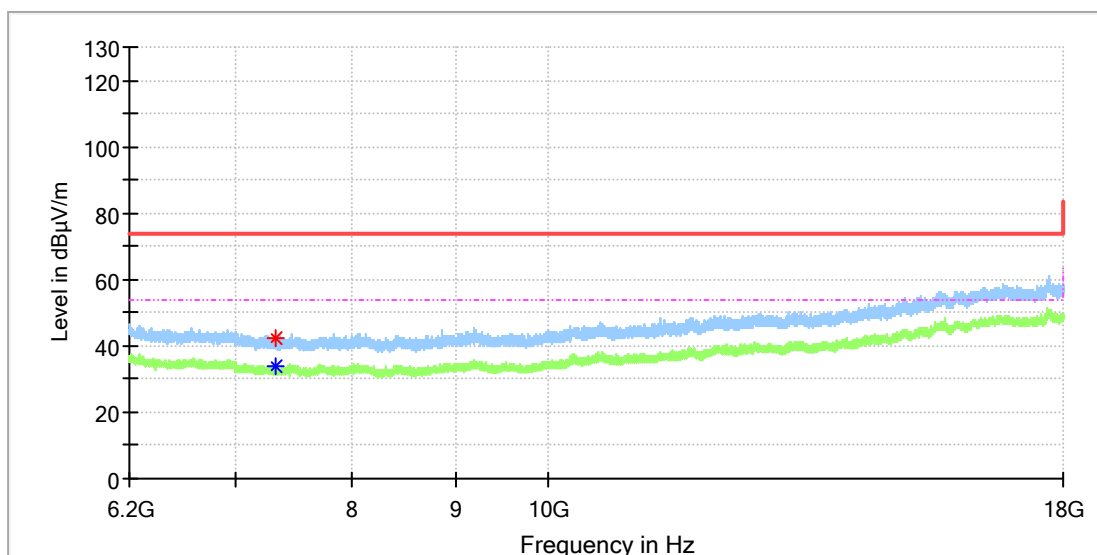


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7239.383333	43.20	---	74.00	30.80	100.0	V	244.0	8.6
7258.558333	---	34.81	54.00	19.19	100.0	V	8.0	8.5

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Mid channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

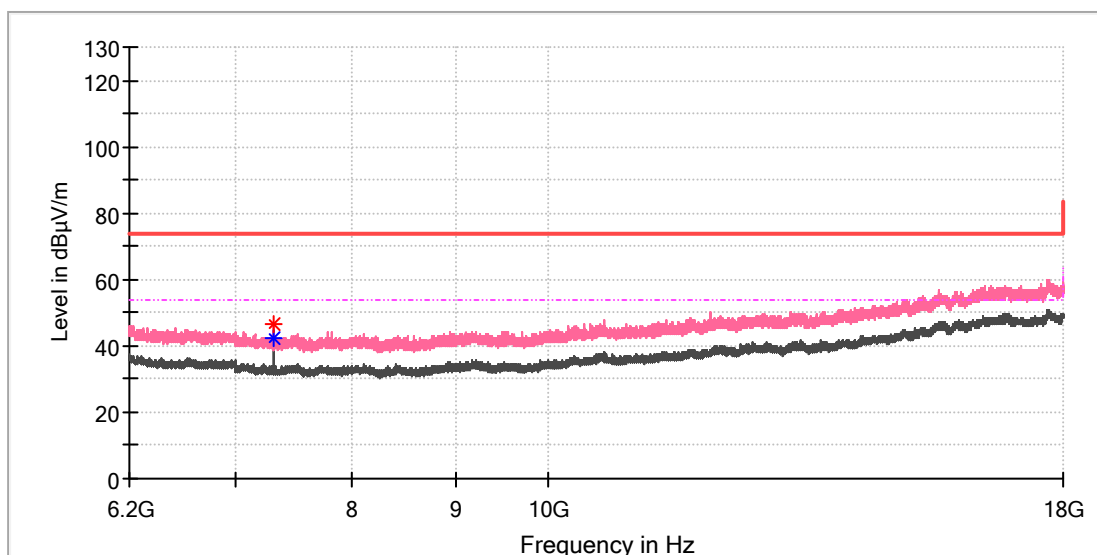


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7325.425000	42.32	---	74.00	31.68	100.0	H	146.0	8.2
7325.425000	---	33.73	54.00	20.27	100.0	H	146.0	8.2

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Mid channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

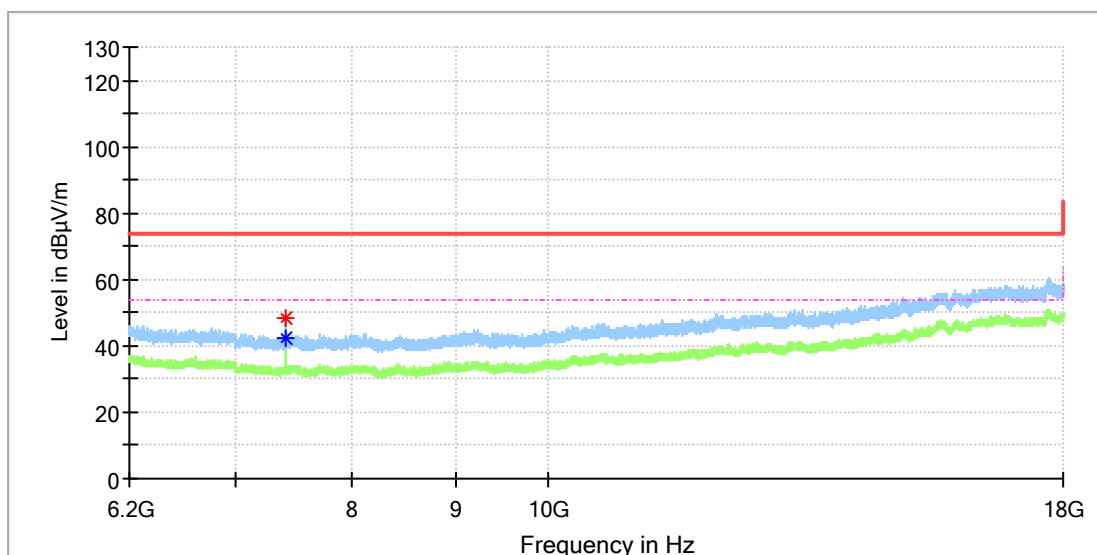


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7313.133333	---	42.26	54.00	11.74	100.0	V	143.0	8.2
7313.625000	46.47	---	74.00	27.53	100.0	V	143.0	8.2

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	High channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

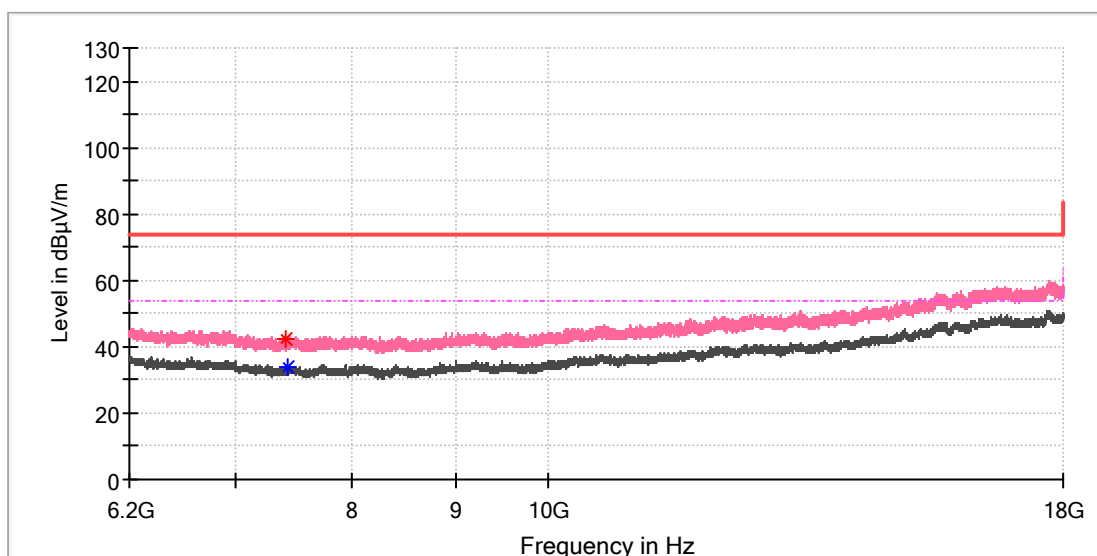


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7416.383333	48.64	---	74.00	25.36	100.0	H	35.0	8.3
7416.383333	---	42.27	54.00	11.73	100.0	H	35.0	8.3

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: High channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



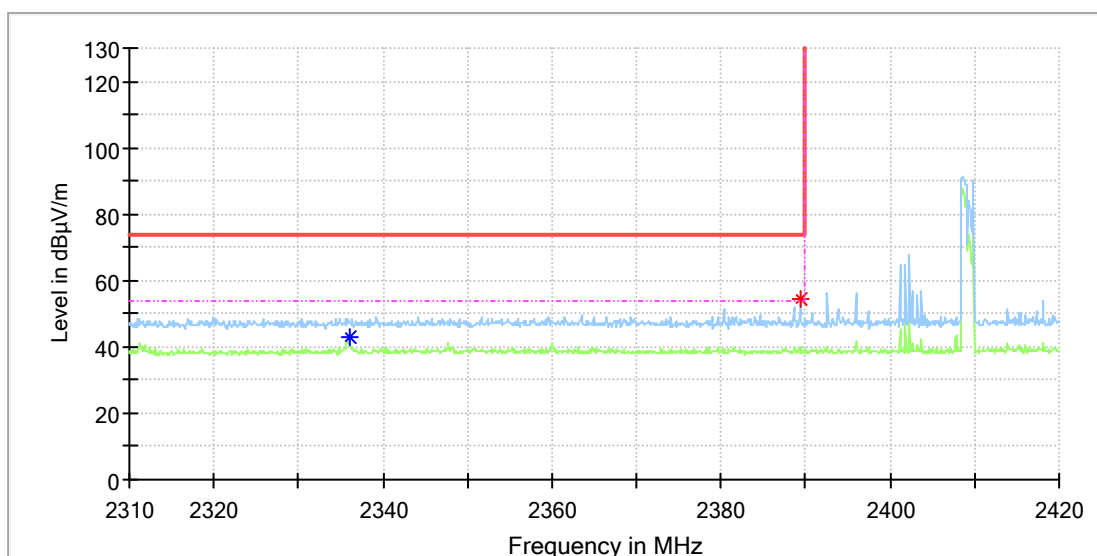
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7411.958333	42.35	---	74.00	31.65	100.0	V	196.0	8.3
7428.183333	---	33.64	54.00	20.36	100.0	V	210.0	8.4

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

EUT Information

EUT Name: PAW PATROL TO THE RESCUE!
Model: 6160
Test Mode: Low channel
Order No/Sample No: 168357592/A003208195-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

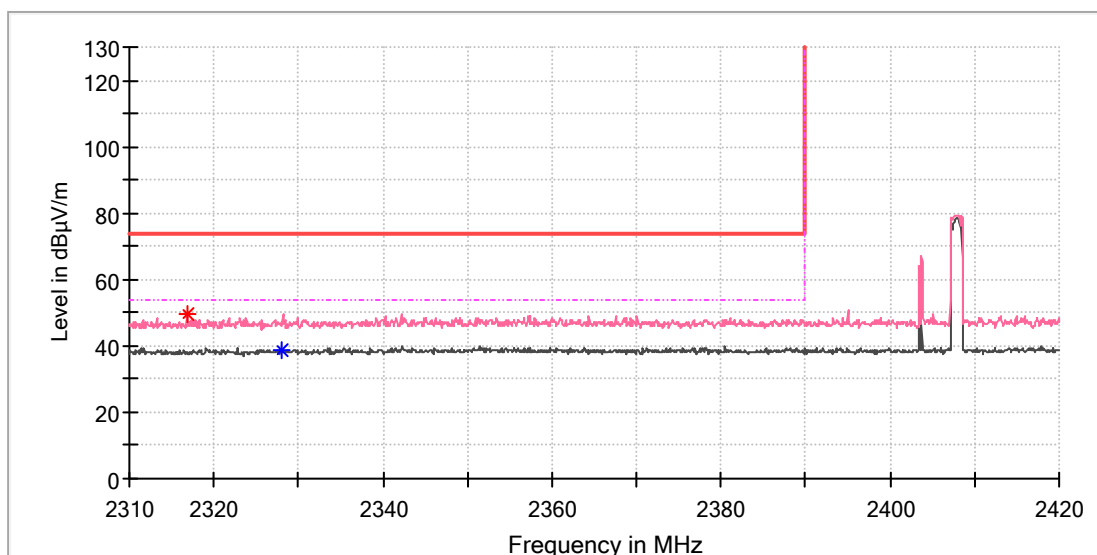


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2336.000000	---	42.63	54.00	11.37	100.0	H	307.0	6.8
2389.400000	54.66	---	74.00	19.34	100.0	H	26.0	7.0

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	Low channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

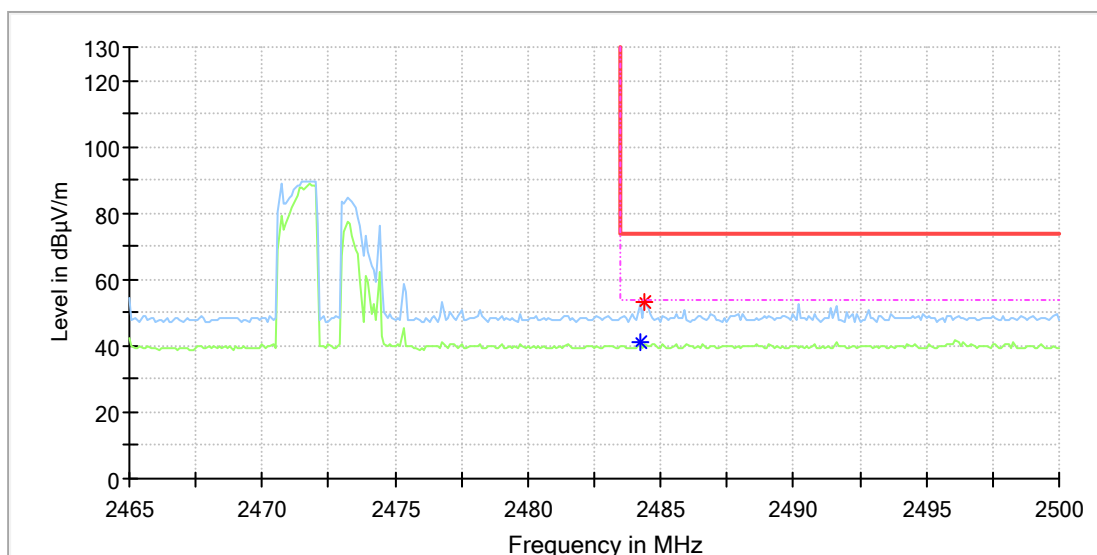


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2316.800000	49.71	---	74.00	24.29	100.0	V	149.0	6.6
2327.900000	---	38.85	54.00	15.15	100.0	V	0.0	6.7

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	High channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

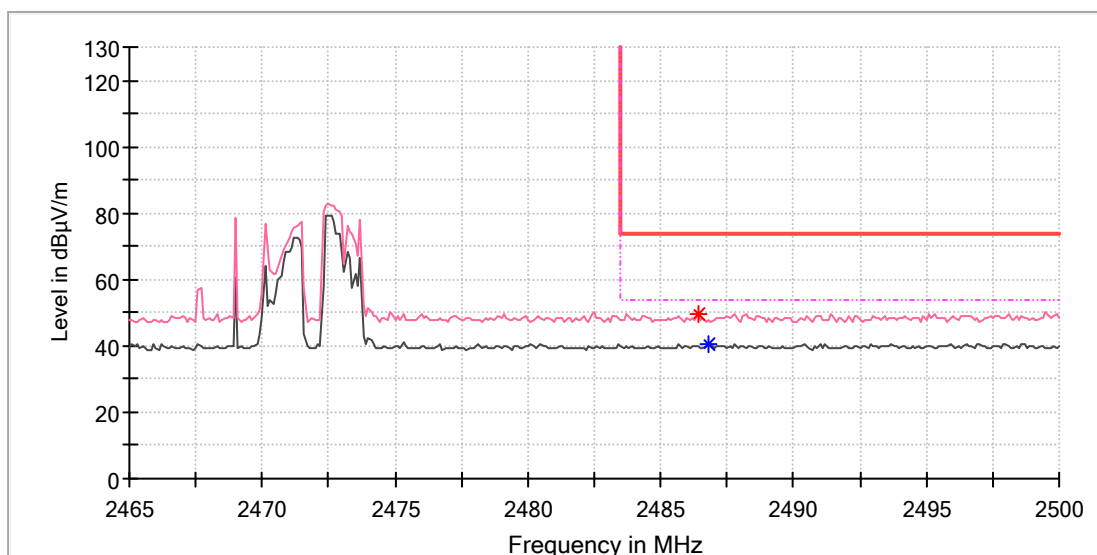


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.200000	---	40.84	54.00	13.16	100.0	H	27.0	7.4
2484.400000	53.42	---	74.00	20.58	100.0	H	82.0	7.4

EUT Information

EUT Name:	PAW PATROL TO THE RESCUE!
Model:	6160
Test Mode:	High channel
Order No/Sample No:	168357592/A003208195-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.400000	49.51	---	74.00	24.49	100.0	V	177.0	7.4
2486.800000	---	40.65	54.00	13.35	100.0	V	54.0	7.4