



Test Report

Date : 2018-07-27

No. : HMD18070016

Page 1 of 28

Applicant : GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District, Chenghai Area, Shantou City, Guangdong, China

Supplier / Manufacturer : GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District, Chenghai Area, Shantou City, Guangdong, China

Description of Sample(s) : Submitted sample(s) said to be
Product: Modular 6 in 1 RC Vehicle System
Brand Name: N/A
Model No.: 6 in 1
FCC ID: 2AIIID-1802R

Date Samples Received : 2018-07-05

Date Tested : 2018-07-06 to 2018-07-10

Investigation Requested : Perform ElectroMagnetic Interference measurement in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15: 2017 and ANSI C63.10: 2013 for FCC Certification.

Conclusions : The submitted product COMPLIED with the requirements of Federal Communications Commission [FCC] Rules and Regulations Part 15. The tests were performed in accordance with the standards described above and on Section 2.2 in this Test Report.

Remarks : For additional model(s) details, please see page 3.


CHEUNG Chi, Kenneth
Authorized Signatory



The Hong Kong Standards and Testing Centre Limited

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 2 of 28

CONTENT:

Cover	Page 1 of 28
Content	Page 2 of 28
<u>1.0 General Details</u>	
1.1 Test Laboratory	Page 3 of 28
1.2 Equipment Under Test [EUT]	Page 3 of 28
1.3 Description of EUT operation	Page 3 of 28
1.4 Date of Order	Page 3 of 28
1.5 Submitted Sample(s)	Page 3 of 28
1.6 Test Duration	Page 3 of 28
1.7 Country of Origin	Page 3 of 28
<u>2.0 Technical Details</u>	
2.1 Investigations Requested	Page 4 of 28
2.2 Test Standards and Results Summary	Page 4 of 28
<u>3.0 Test Results</u>	
3.1 Emission	Page 5-23 of 28
<u>Appendix A</u>	
List of Measurement Equipment	Page 24 of 28
<u>Appendix B</u>	
Photograph(s) of Product	Page 25-28 of 28

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 3 of 28

1.0 General Details

1.1 Test Laboratory

The Hong Kong Standards and Testing Centre Ltd.
EMC Laboratory
10 Dai Wang Street, Taipo Industrial Estate, New Territories, Hong Kong
Telephone: 852 2666 1888
Fax: 852 2664 4353

1.2 Equipment Under Test [EUT]

Description of Sample(s)

Product: Modular 6 in 1 RC Vehicle System
Manufacturer: GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District, Chenghai Area, Shantou City, Guangdong, China
Distributor: Shenzhen Bell Creative Science and Education Co., Ltd.
Room 902 Yuanxing Plaza, 1st Songping Road, Nanshan District, Shenzhen, China
Brand Name: N/A
Model Number: 6 in 1
Additional model(s): 1802, 1802-1, 1802-2, 1802-3, 1802-4, 1802-5, 1802-6, IB 9, IB 13, IRDRONE X59, IRDRONE X56, IRDRONE T3, IRDRONE T4, IRDRONE X60, IRDRONE X65, IRDRONE X61, IRDRONE X62, V5
Rating: 5.0Vd.c. (Powered by USB port) / 3.7Vd.c Li-ion polymer rechargeable battery

1.3 Description of EUT Operation

The Equipment Under Test (EUT) is a Modular 6 in 1 RC Vehicle System. It is a transceiver operating at 2408MHz~2472MHz and the RF signal was modulated by IC.

1.4 Date of Order

2018-07-05

1.5 Submitted Sample(s):

1 Sample

1.6 Test Duration

2018-07-06 to 2018-07-10

1.7 Country of Origin

China

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 4 of 28

2.0 Technical Details

2.1 Investigations Requested

Perform Electromagnetic Interference measurements in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15: 2017 Regulations and ANSI C63.10: 2013 for FCC Certification.
The device was realized by test software.

2.2 Test Standards and Results Summary Tables

EMISSION Results Summary						
Test Condition	Test Requirement	Test Method	Class / Severity	Test Result		
				Pass	Failed	N/A
Field Strength of Fundamental & Harmonics Emissions	FCC 47CFR 15.249	ANSI C63.10: 2013	N/A	☒	☐	☐
Radiated Emissions	FCC 47CFR 15.209	ANSI C63.10: 2013	N/A	☒	☐	☐
AC Mains Conducted Emissions	FCC 47CFR 15.207	ANSI C63.10: 2013	N/A	☒	☐	☐
Antenna requirement	FCC 47CFR 15.203	N/A	N/A	☒	☐	☐

Note: N/A - Not Applicable

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 5 of 28

3.0 Test Results

3.1 Emission

3.1.1 Radiated Emissions

Ambient temperature 25°C

Relative humidity 57%

Test Requirement:	FCC 47CFR 15.249 & FCC 47CFR 15.209
Test Method:	ANSI C63.10:2013
Test Date:	2018-07-06
Mode of Operation:	Tx mode

Test Method:

For emission measurements at or below 1 GHz, the sample was placed 0.8m above the ground plane of semi-anechoic Chamber*. For emission measurements above 1 GHz, the sample was placed 1.5m above the ground plane of semi-anechoic Chamber*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

* Semi-Anechoic chamber located on the G/F of The Hong Kong Standards and Testing Centre Ltd. with a metal ground plane filed with the FCC pursuant to section 2.948 of the FCC rules, with Registration Number: 607756.

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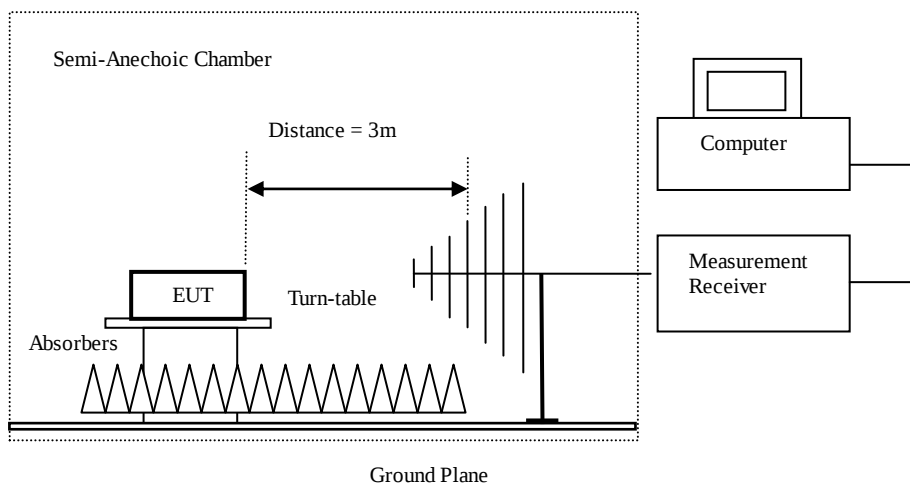
Date : 2018-07-27
No. : HMD18070016

Page 6 of 28

Spectrum Analyzer Setting:

9KHz – 30MHz (Pk & Av)	RBW: 10kHz VBW: 30kHz Sweep: Auto Span: Fully capture the emissions being measured Trace: Max. hold
30MHz – 1GHz (QP)	RBW: 120kHz VBW: 120kHz Sweep: Auto Span: Fully capture the emissions being measured Trace: Max. hold
Above 1GHz (Pk)	RBW: 1MHz VBW: 1MHz Sweep: Auto Span: Fully capture the emissions being measured Trace: Max. hold
Above 1GHz (Av)	RBW: 1MHz VBW: 10Hz Sweep: Auto Span: Fully capture the emissions being measured Trace: Max. hold

Test Setup:



- Absorbers placed on top of the ground plane are for measurements above 1000MHz only.
- Measurements between 30MHz to 1000MHz made with Bi-log antennas, above 1000MHz horn antennas are used, 9kHz to 30MHz loop antennas are used.

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Test Report

Date : 2018-07-27

Page 7 of 28

No. : HMD18070016

Limits for Field Strength of Fundamental & Harmonics Emissions [FCC 47CFR 15.249]:

Frequency Range of Fundamental [MHz]	Field Strength of Fundamental Emission [microvolts/meter]	Field Strength of Harmonics Emission [microvolts/meter]
902-928	50,000 [Quasi-Peak]	500 [Average]
2400-2483.5	50,000 [Average]	500 [Average]

Results of Tx mode (Lowest Frequency Channel-2408 MHz): Pass

Field Strength of Fundamental Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
2408.00	58.4	36.8	95.2	57,544.0	500,000	Vertical
2408.00	57.7	36.4	94.1	50,699.1	500,000	Horizontal

Field Strength of Fundamental Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
2408.00	43.1	36.8	79.9	9,885.5	50,000	Vertical
2408.00	42.2	36.4	78.6	8,511.4	50,000	Horizontal

Field Strength of Harmonics Emission Peak Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
4816.0	13.8	41.5	55.3	582.1	5,000	Vertical
4816.0	13.1	42.4	55.5	595.7	5,000	Horizontal
7224.0	7.4	45.1	52.5	421.7	5,000	Vertical
7224.0	6.9	46.2	53.1	451.9	5,000	Horizontal
9632.0	4.3	48.0	52.3	412.1	5,000	Vertical
9632.0	3.2	48.8	52.0	398.1	5,000	Horizontal

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Test Report

Date : 2018-07-27

Page 8 of 28

No. : HMD18070016

Field Strength of Harmonics Emission						
Average Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
4816.0	1.6	41.5	43.1	142.9	500	Vertical
4816.0	0.4	42.4	42.8	138.0	500	Horizontal
7224.0	-5.0	45.1	40.1	101.2	500	Vertical
7224.0	-7.0	46.2	39.2	91.2	500	Horizontal
9632.0	-10.6	48.0	37.4	74.1	500	Vertical
9632.0	-11.4	48.8	37.4	74.1	500	Horizontal

Results of Tx mode (Middle Frequency Channel- 2440MHz): Pass

Field Strength of Fundamental Emissions						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
2440.00	58.1	36.8	94.9	55,590.4	500,000	Vertical
2440.00	56.2	36.4	92.6	42,658.0	500,000	Horizontal

Field Strength of Fundamental Emissions						
Average Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
2440.00	40.3	36.8	77.1	7,161.4	50,000	Vertical
2440.00	42.0	36.4	78.4	8,317.6	50,000	Horizontal

Field Strength of Harmonics Emission						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
4880.0	13.5	41.6	55.1	568.9	5,000	Vertical
4880.0	10.7	42.5	53.2	457.1	5,000	Horizontal
7320.0	5.2	45.2	50.4	331.1	5,000	Vertical
7320.0	4.4	46.3	50.7	342.8	5,000	Horizontal
9760.0	3.4	48.1	51.5	375.8	5,000	Vertical
9760.0	1.7	48.9	50.6	338.8	5,000	Horizontal

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Test Report

Date : 2018-07-27

Page 9 of 28

No. : HMD18070016

Field Strength of Harmonics Emission						
Average Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
4880.0	-0.2	41.6	41.4	117.5	500	Vertical
4880.0	-1.6	42.5	40.9	110.9	500	Horizontal
7320.0	-6.7	45.2	38.5	84.1	500	Vertical
7320.0	-7.4	46.3	38.9	88.1	500	Horizontal
9760.0	-10.3	48.1	37.8	77.6	500	Vertical
9760.0	-10.1	48.9	38.8	87.1	500	Horizontal

Results of Tx mode (Highest Frequency Channel – 2472MHz): Pass

Field Strength of Fundamental Emissions						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
2472.00	58.4	36.8	95.2	57,544.0	500,000	Vertical
2472.00	58.3	36.4	94.7	54,325.0	500,000	Horizontal

Field Strength of Fundamental Emissions						
Average Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
2472.00	41.3	36.8	78.1	8,035.3	50,000	Vertical
2472.00	40.7	36.4	77.1	7,161.4	50,000	Horizontal

Field Strength of Harmonics Emission						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
4944.0	14.3	41.4	55.7	609.5	5,000	Vertical
4944.0	12.0	42.7	54.7	543.3	5,000	Horizontal
7416.0	7.5	45.6	53.1	451.9	5,000	Vertical
7416.0	6.0	46.5	52.5	421.7	5,000	Horizontal
9988.0	2.0	48.6	50.6	338.8	5,000	Vertical
9988.0	0.5	49.7	50.2	323.6	5,000	Horizontal

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Test Report

Date : 2018-07-27

Page 10 of 28

No. : HMD18070016

Field Strength of Harmonics Emission						
Average Value						
Frequency MHz	Measured Level @3m dB μ V/m	Correction Factor dB μ V/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit @3m μ V/m	E-Field Polarity
4944.0	0.5	41.4	41.9	124.5	500	Vertical
4944.0	-3.1	42.7	39.6	95.5	500	Horizontal
7416.0	-4.9	45.6	40.7	108.4	500	Vertical
7416.0	-6.0	46.5	40.5	105.9	500	Horizontal
9988.0	-11.2	48.6	37.4	74.1	500	Vertical
9988.0	-11.8	49.7	37.9	78.5	500	Horizontal

Remarks:

No additional spurious emissions found between lowest internal used/generated frequency and 30 MHz

Calculated measurement uncertainty

(9kHz-30MHz): 2.0dB

(30MHz -1GHz): 4.9dB

(1GHz -6GHz): 4.02dB

(6GHz -26.5GHz): 4.03dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.

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Test Report

Date : 2018-07-27

Page 11 of 28

No. : HMD18070016

Radiated Emissions Measurement:

Limit :

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 5.205(c)).

Result: RF Radiated Emissions (1GHz-26GHz) (Lowest)

Field Strength of Band-edge Compliance						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB μ V/m	E-Field Polarity
2400.0	8.3	36.8	45.1	74.0	28.9	Vertical
2392.1	11.4	36.8	48.2	74.0	25.8	Vertical

Field Strength of Band-edge Compliance						
Average Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB μ V/m	E-Field Polarity
2400.0	0.4	36.8	37.2	54.0	16.8	Vertical
2392.1	0.7	36.8	37.5	54.0	16.5	Vertical

Result: RF Radiated Emissions (1GHz-26GHz) (Highest)

Field Strength of Band-edge Compliance						
Peak Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB μ V/m	E-Field Polarity
2483.5	4.0	36.4	40.4	74.0	33.6	Horizontal
2487.9	8.0	36.4	44.4	74.0	29.6	Horizontal

Field Strength of Band-edge Compliance						
Average Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB μ V/m	E-Field Polarity
2483.5	-2.2	36.4	34.2	54.0	19.8	Horizontal
2487.9	-2.1	36.4	34.3	54.0	19.7	Horizontal

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Test Report

Date : 2018-07-27

Page 12 of 28

No. : HMD18070016

Limits for Radiated Emissions [FCC 47 CFR 15.209 Class B]:

Frequency Range [MHz]	Quasi-Peak Limits [μV/m]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above 960	500

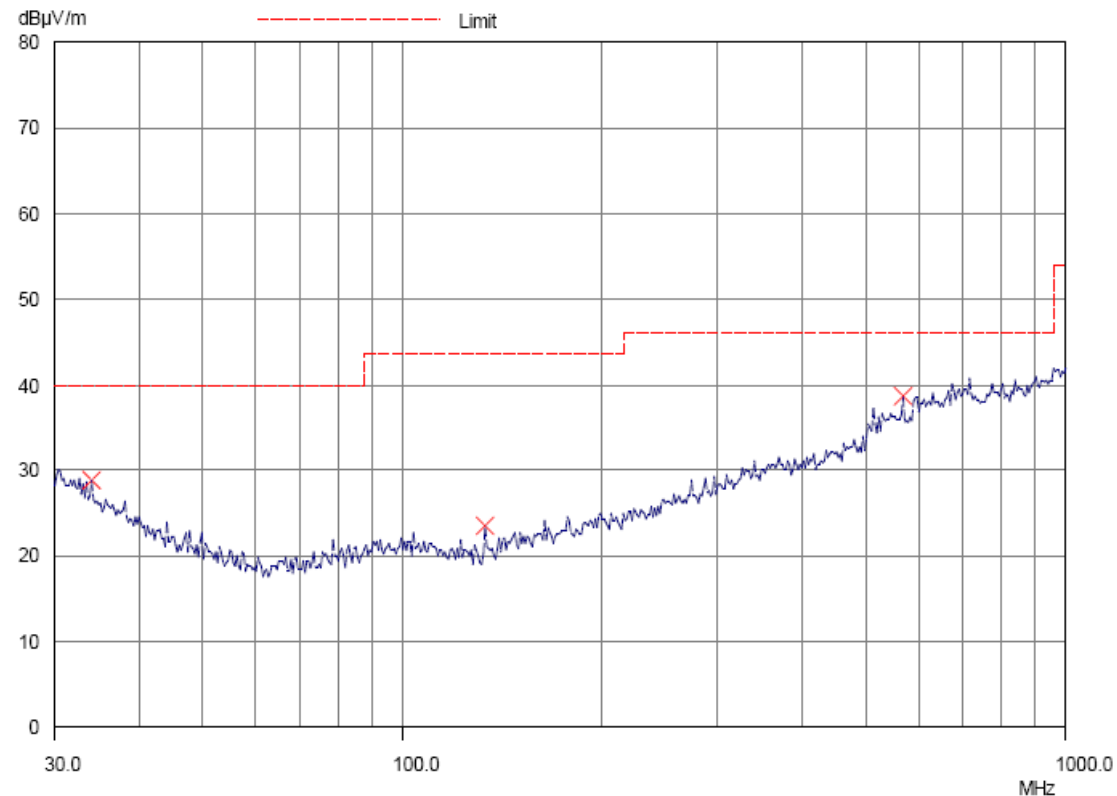
The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Results of TX mode (9kHz – 30MHz): PASS

Emissions detected are more than 20 dB below the FCC Limits

Results of TX mode (30MHz – 1GHz)(2408MHz worst case): PASS

Horizontal



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Test Report

Date : 2018-07-27

Page 13 of 28

No. : HMD18070016

Results of TX mode (30MHz – 1GHz) (2408MHz worst case): PASS

Radiated Emissions Quasi-Peak					
Emission Frequency MHz	E-Field Polarity	Level @3m dB μ V/m	Limit @3m dB μ V/m	Level @3m μ V/m	Limit @3m μ V/m
33.9	Horizontal	28.8	40.0	27.5	100
133.2	Horizontal	23.5	43.5	15.0	150
567.3	Horizontal	38.7	46.0	86.1	200

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Test Report

Date : 2018-07-27

Page 14 of 28

No. : HMD18070016

Limits for Radiated Emissions [FCC 47 CFR 15.209 Class B]:

Frequency Range [MHz]	Quasi-Peak Limits [μV/m]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above 960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

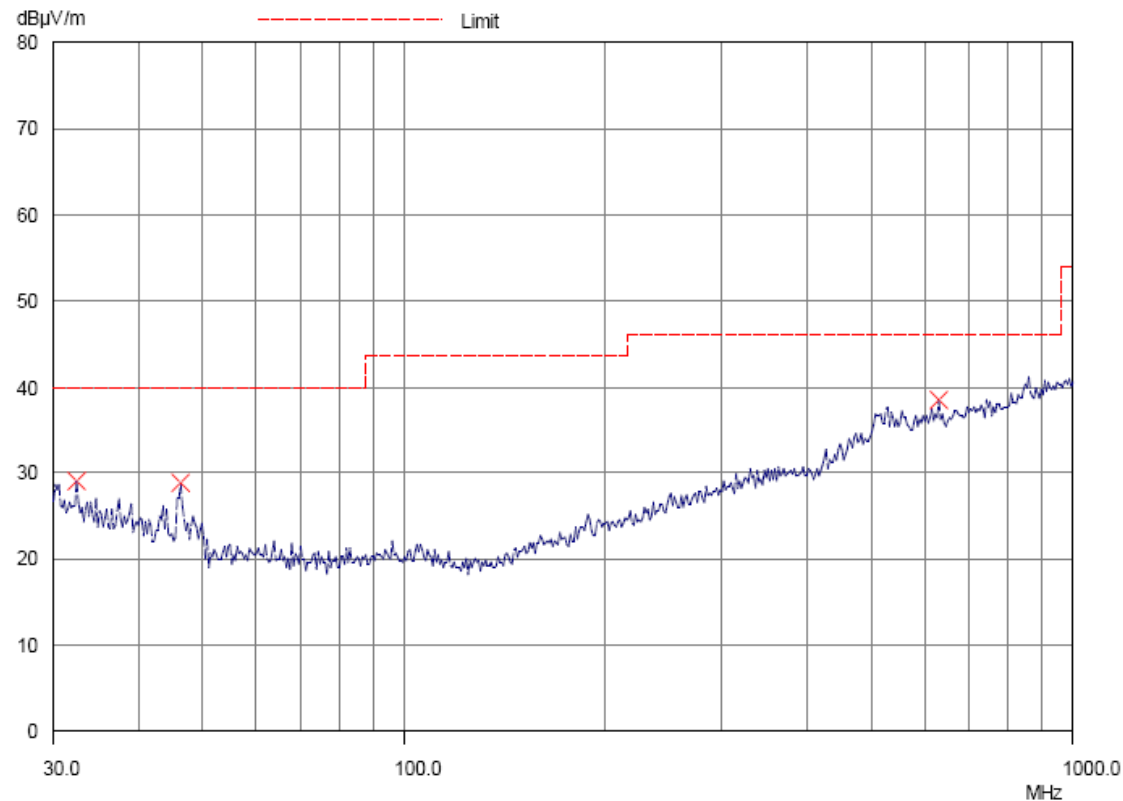
Results of TX mode (9kHz – 30MHz): PASS

Emissions detected are more than 20 dB below the FCC Limits

Results of TX mode (30MHz – 1GHz) (2408MHz worst case): PASS

Vertical

dBμV/m



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Test Report

Date : 2018-07-27

Page 15 of 28

No. : HMD18070016

Results of TX mode (30MHz – 1GHz) (2408MHz worst case): PASS

Radiated Emissions Quasi-Peak					
Emission Frequency MHz	E-Field Polarity	Level @3m dB μ V/m	Limit @3m dB μ V/m	Level @3m μ V/m	Limit @3m μ V/m
32.4	Vertical	29.0	40.0	28.2	100
46.4	Vertical	28.7	40.0	27.2	100
627.6	Vertical	38.4	46.0	83.2	200

Remarks:

Calculated measurement uncertainty (30MHz – 1GHz): 4.9dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 16 of 28

3.1.2 AC Mains Conducted Emissions (0.15MHz to 30MHz)

Ambient temperature 25°C

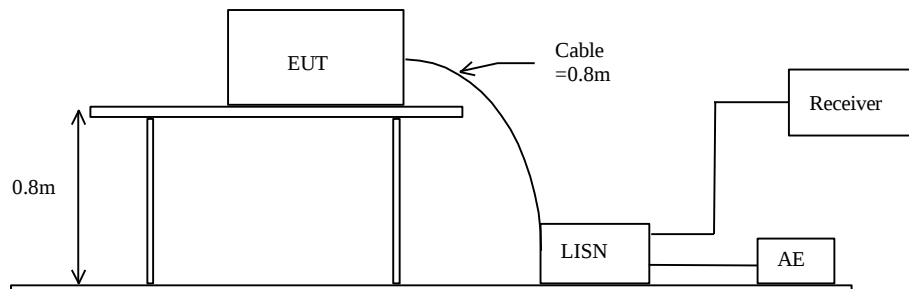
Relative humidity 57%

Test Requirement:	FCC 47CFR 15.249 & FCC 47CFR 15.207
Test Method:	ANSI C63.10:2013
Test Date:	2017-07-05
Mode of Operation:	Charging mode
Test Voltage:	120V a.c. 60Hz

Test Method:

The test was performed in accordance with ANSI C63.10:2013, with the following: an initial measurement was performed in peak and average detection mode on the live line, any emissions recorded within 30dB of the relevant limit line were re-measured using quasi-peak and average detection on the live and neutral lines with the worst case recorded in the table of results.

Test Setup:



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Test Report

Date : 2018-07-27

Page 17 of 28

No. : HMD18070016

Limits for Conducted Emissions (FCC 47 CFR 15.207):

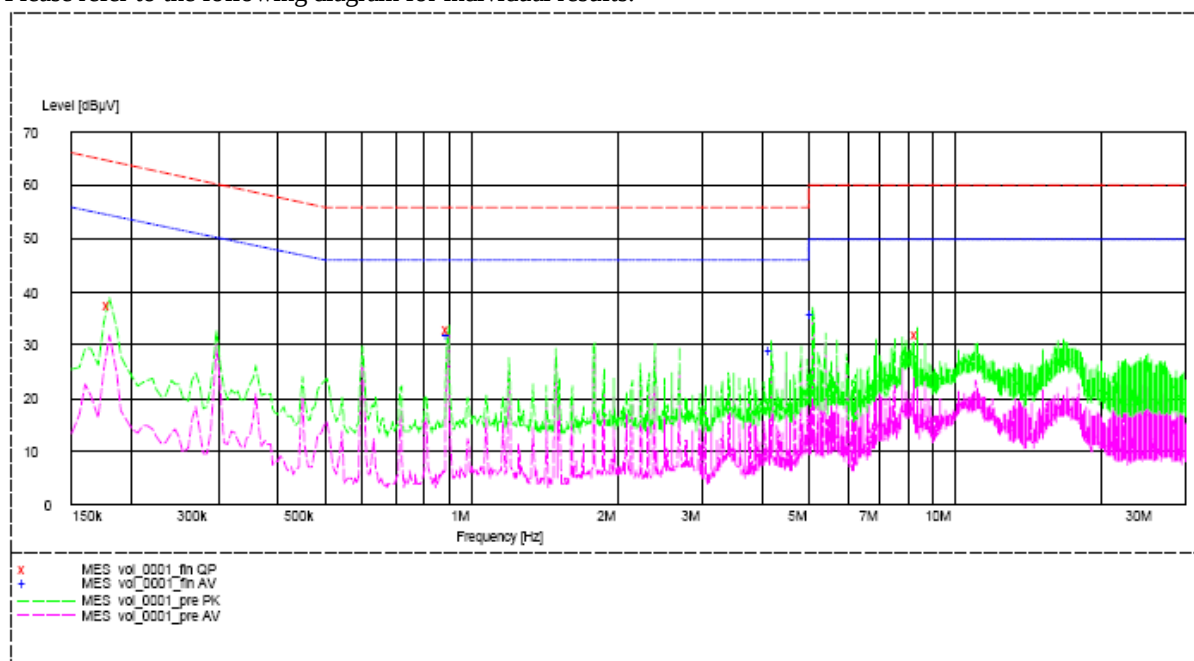
Frequency Range [MHz]	Quasi-Peak Limits [dB μ V]	Average [dB μ V]
0.15-0.5	66 to 56*	56 to 46*
0.5-5.0	56	46
5.0-30.0	60	50

* Decreases with the logarithm of the frequency.

Limits for Conducted Emissions Test, please refer to limit lines (Quasi-Peak and Average) in the following diagram.

Results of Charging mode(Charging with PC, PC main) (L): PASS

Please refer to the following diagram for individual results.



Conductor Live or Neutral	Frequency MHz	Quasi-peak		Average	
		Level dB μ V	Limit dB μ V	Level dB μ V	Limit dB μ V
Live	0.180	37.3	65.0	-*-	-*-
Live	0.900	33.0	56.0	-*-	-*-
Live	8.395	32.2	60.0	-*-	-*-
Live	0.900	-*-	-*-	32.0	46.0
Live	4.195	-*-	-*-	28.8	46.0
Live	5.095	-*-	-*-	35.9	50.0

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Test Report

Date : 2018-07-27

Page 18 of 28

No. : HMD18070016

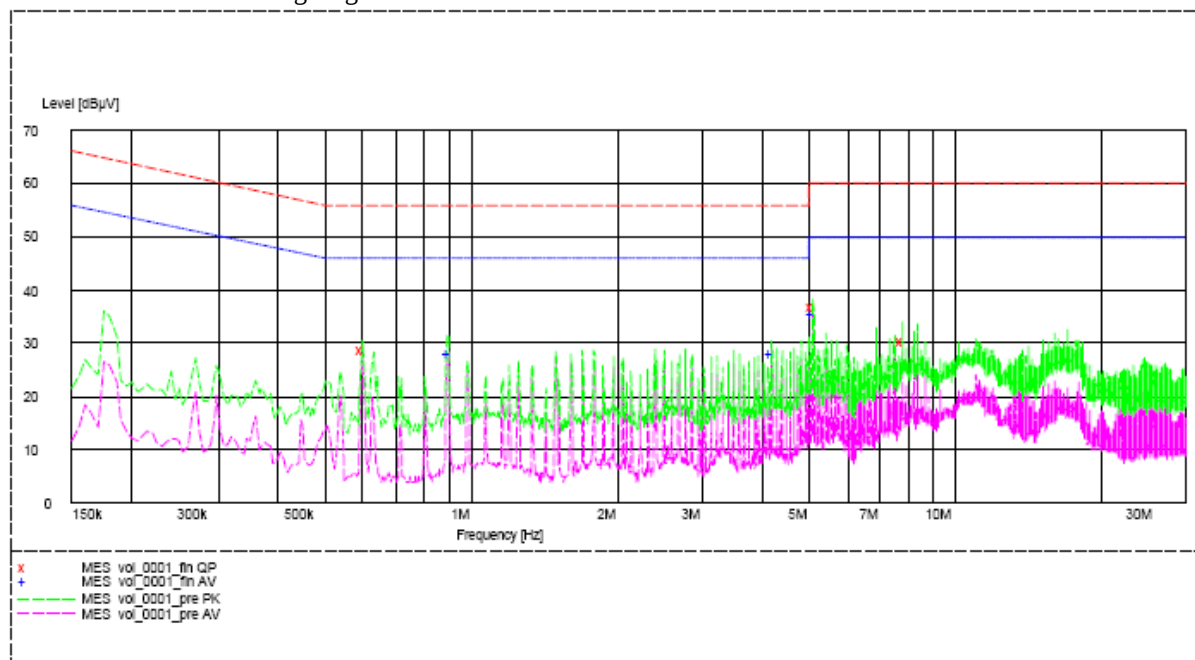
Frequency Range [MHz]	Quasi-Peak Limits [dB μ V]	Average [dB μ V]
0.15-0.5	66 to 56*	56 to 46*
0.5-5.0	56	46
5.0-30.0	60	50

* Decreases with the logarithm of the frequency.

Limits for Conducted Emissions Test, please refer to limit lines (Quasi-Peak and Average) in the following diagram.

Results of Charging mode(Charging with PC, PC main) (N): PASS

Please refer to the following diagram for individual results.



Conductor Live or Neutral	Frequency MHz	Quasi-peak		Average	
		Level dB μ V	Limit dB μ V	Level dB μ V	Limit dB μ V
Neutral	0.600	28.5	56.0	-*-	-*-
Neutral	5.095	36.8	60.0	-*-	-*-
Neutral	7.790	30.5	60.0	-*-	-*-
Neutral	0.900	-*-	-*-	28.3	46.0
Neutral	4.195	-*-	-*-	28.4	46.0
Neutral	5.095	-*-	-*-	35.6	50.0

Remarks:

Calculated measurement uncertainty (0.15MHz – 30MHz): 3.25dB

-*- Emission(s) that is far below the corresponding limit line.

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Test Report

Date : 2018-07-27

No. : HMD18070016

Page 19 of 28

3.1.3 Antenna Requirement

Ambient temperature 25°C

Relative humidity 57%

Test Requirements: § 15.203

Test Specification:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Test Results:

This is Linear antenna. There is no external antenna, the antenna gain =0dBi. User is unable to remove or changed the Antenna.

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Test Report

Date : 2018-07-27

No. : HMD18070016

Page 20 of 28

3.1.4 20dB Bandwidth of Fundamental Emission

Ambient temperature 25°C

Relative humidity 57%

Test Requirement: FCC 47 CFR 15.249

Test Method: ANSI C63.10:2013

Test Date: 2018-07-10

Mode of Operation: Tx mode

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

Test Setup:

As Test Setup of clause 3.1.1 in this test report.

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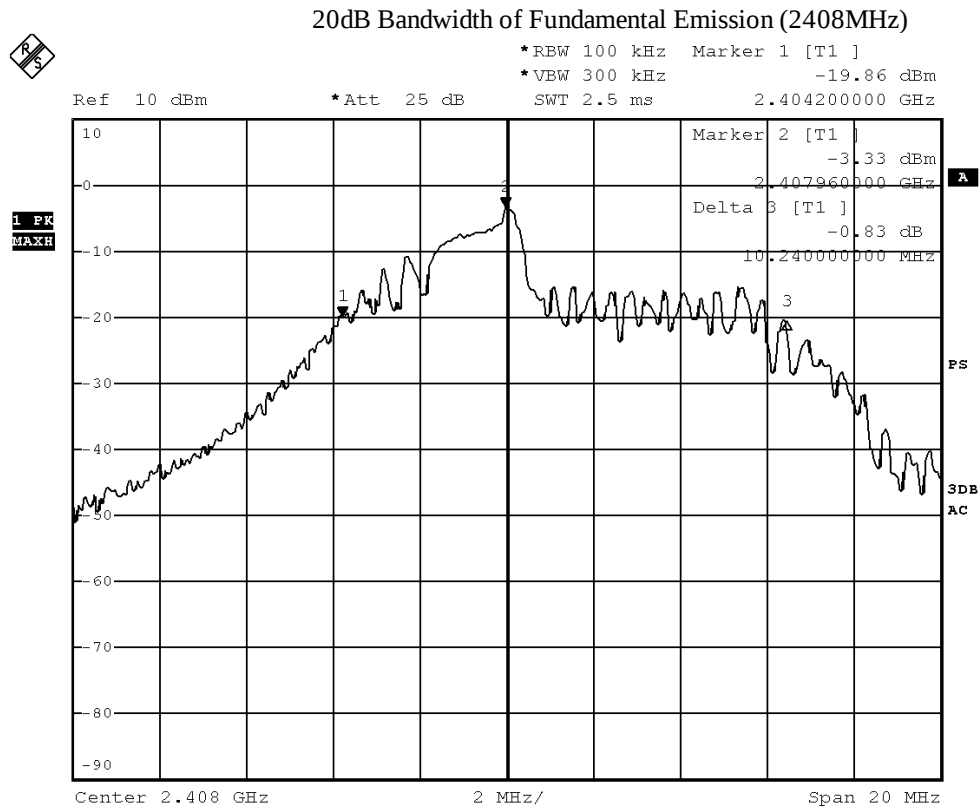
Date : 2018-07-27

Page 21 of 28

No. : HMD18070016

Limits for 20dB Bandwidth of Fundamental Emission (Low Frequency Channel):

Frequency Range [MHz]	20dB Bandwidth [MHz]
2408.0	10.24



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Test Report

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Page 22 of 28

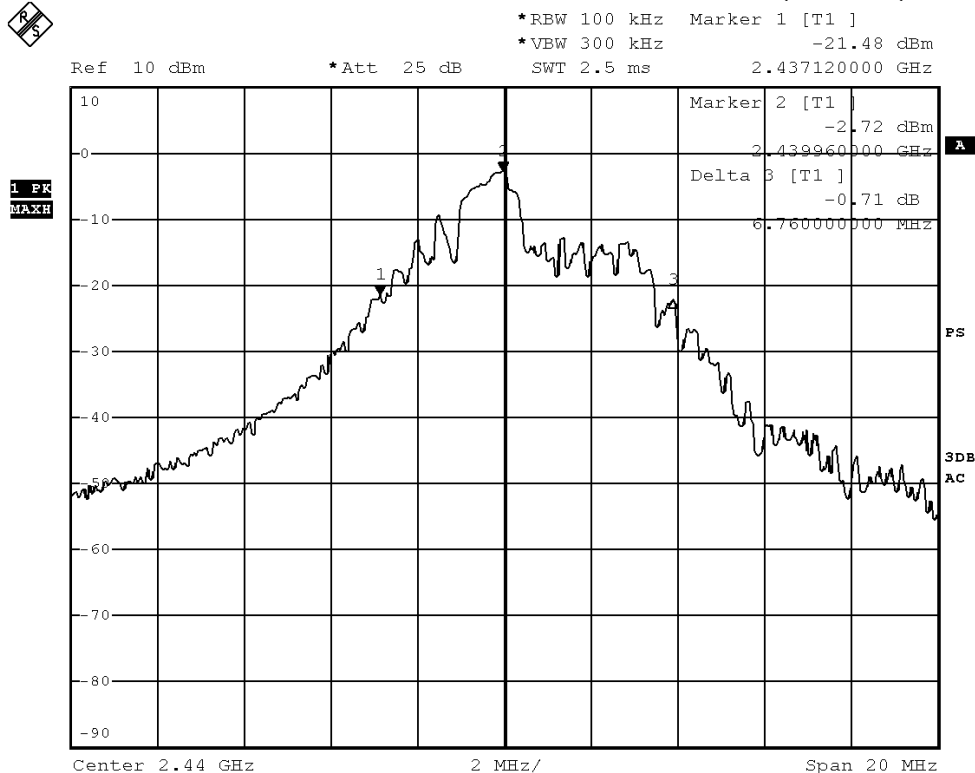
No. : HMD18070016

Limits for 20dB Bandwidth of Fundamental Emission (Middle Frequency Channel):

Frequency Range [MHz]	20dB Bandwidth [MHz]
2440.0	6.76



20dB Bandwidth of Fundamental Emission (2440MHz)



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Test Report

Date : 2018-07-27

Page 23 of 28

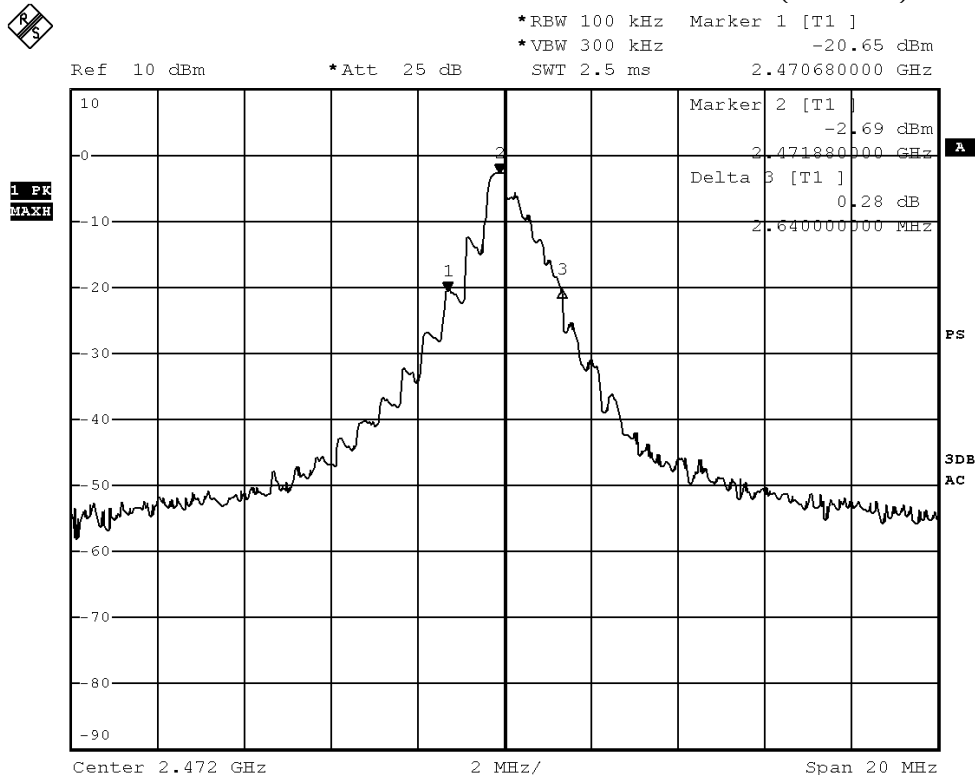
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Limits for 20dB Bandwidth of Fundamental Emission (High Frequency Channel):

Frequency Range [MHz]	20dB Bandwidth [MHz]
2472.0	2.64



20dB Bandwidth of Fundamental Emission (2472MHz)



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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 24 of 28

Appendix A

List of Measurement Equipment

Radiated Emission

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM215	MULTIDEVICE CONTROLLER	EMCO	2090	00024676	N/A	N/A
EM217	ELECTRIC POWERED TURNABLE	EMCO	2088	00029144	N/A	N/A
EM218	ANECCHOIC CHAMBER	ETS-LINDGREN	FACT-3	--	2018/01/24	2019/01/24
EM356	ANTENNA POSITIONING TOWER	ETS-LINDGREN	2171B	00150346	N/A	N/A
EM354	BICONILOG ANTENNA	ETS-LINDGREN	3143B	00142073	2018/03/29	2020/03/29
EM229	EMI TEST RECEIVER	R&S	ESIB40	100248	2018/06/01	2019/06/01
EM276	BROADBAND HORN ANTENNA	A-INFOMW	JXTXLB- 10180-SF	J2031090903007	2018/04/27	2020/04/27
EM300	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-09	00130130	2018/05/13	2019/05/13
EM301	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-10	00130988	2018/05/13	2019/05/13
EM302	PRECISION OMNIDIRECTIONAL DIPOLE (1 – 6GHZ)	SEIBERSDORF LABORATORIES	POD 16	161806/L	2018/05/11	2020/05/11
EM303	PRECISION OMNIDIRECTIONAL DIPOLE (6 – 18GHZ)	SEIBERSDORF LABORATORIES	POD 618	6181908/L	2018/05/11	2020/05/11
EM353	LOOP ANTENNA	ETS_LINDGREN	6502	00206533	2018/04/16	2020/04/16
EM045	POWER METER	ROHDE & SCHWARZ	NRVD	843246/028	2017/10/14	2018/10/14

Line Conducted

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM119	LISN	R & S	ESH3-Z5	0831.5518.52	2017/11/29	2018/11/29
EM145	EMI TEST RECEIVER	R & S	ESCS 30	830245/021	2018/06/01	2019/06/01
EM179	IMPULSE LIMITER	ROHDE & SCHWARZ	ESH3-Z2	357-8810.52/54	2018/01/11	2019/01/11
EM154	SHIELDING ROOM	SIEMENS MATSUSHITA COMPONENTS	N/A	803-740-057-99A	2017/02/02	2022/02/02
N/A	MEASUREMENT AND EVALUATION SOFTWARE	ROHDE & SCHWARZ	BSIB-K1	V1.20	N/A	N/A

Remarks:-

N/A Not Applicable or Not Available

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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 25 of 28

Appendix B

Photographs of EUT

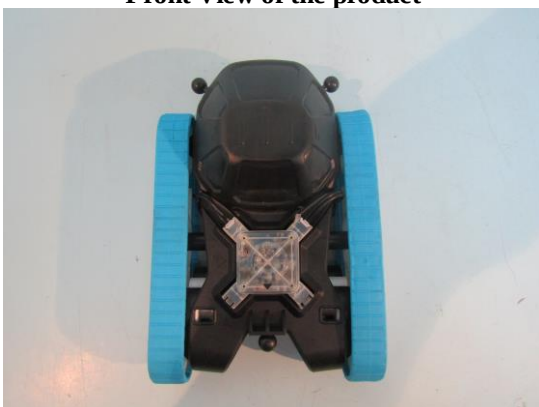
Front View of the product



Rear View of the product



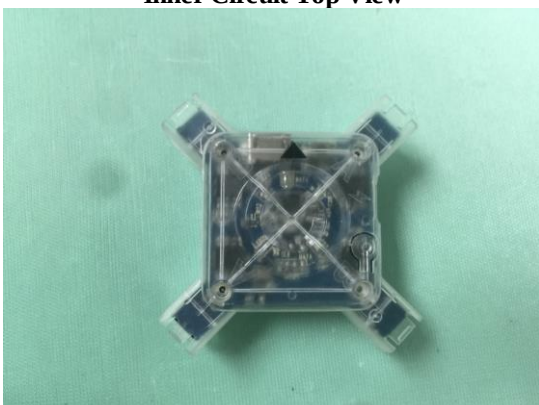
Front View of the product



Rear View of the product



Inner Circuit Top View



Inner Circuit Bottom View



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Test Report

Date : 2018-07-27
No. : HMD18070016

Page 26 of 28

Photographs of EUT

Inner Circuit Top View



Inner Circuit Bottom View



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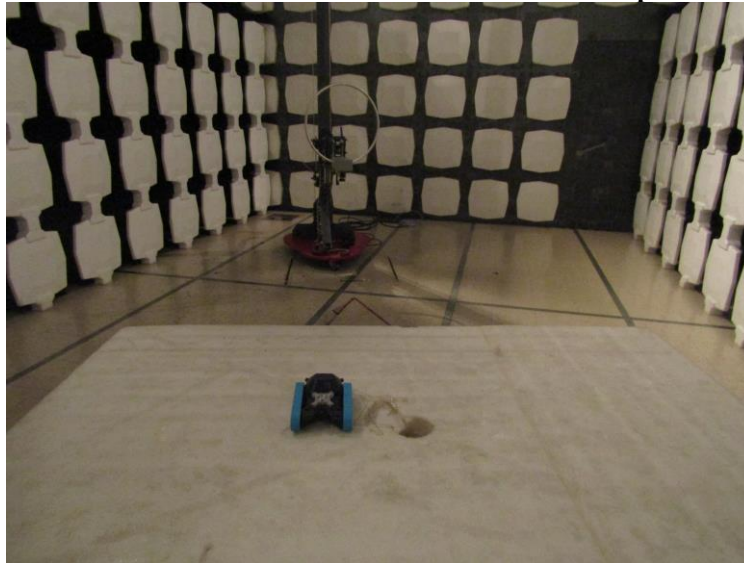
Test Report

Date : 2018-07-27
No. : HMD18070016

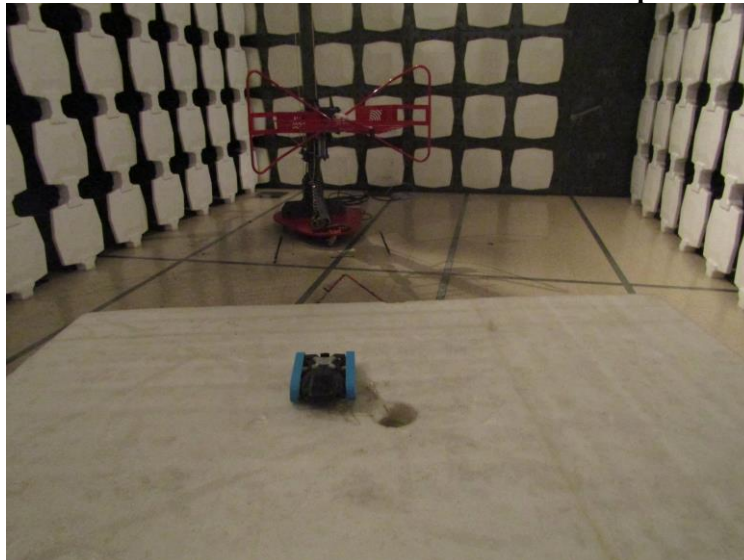
Page 27 of 28

Photographs of EUT

Measurement of Radiated Emission Test Set Up



Measurement of Radiated Emission Test Set Up



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Test Report

Date : 2018-07-27

No. : HMD18070016

Page 28 of 28

Photographs of EUT

Measurement of Radiated Emission Test Set Up



Measurement of Conducted Emission Test Set Up



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