

TEST REPORT

Product : ROBOTIC LAWN MOWER
Trade mark : AIRSEEKERS
Model/Type reference : TRON
Serial Number : N/A
Report Number : EED32R80464705
FCC ID : 2BPTW-TRONE1
Date of Issue : Jun. 04, 2025
Test Standards : 47 CFR Part 2
47 CFR Part 22 subpart H
47 CFR Part 24 subpart E
47 CFR Part 27
47 CFR Part 90
Test result : PASS

Prepared for:

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Date:

Jun. 04, 2025



Check No.: 9256020425

1 Version

Version No.	Date	Description
00	Jun. 04, 2025	Original

2 Test Summary

Test Item	Test Requirement	Test method	Result
FCC Part 22 (LTE Band 5,LTE Band 26)			
Conducted output power	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(ERP)	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 22.917(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
FCC Part 24 (LTE Band 2,LTE Band 25)			
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v02r02	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
FCC Part 27 (LTE Band 4,LTE Band 7,LTE Band 12,LTE Band 13,LTE Band 17)			
Conducted output power	Part 2.1046(a) /Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	PASS

99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
FCC Part 90 (LTE Band 26)			
Conducted output power	Part 2.1046/Part 90.635(b)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(ERP)	Part 90.542	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049/Part 90.209	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Emission Masks	90.210(b)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/Part 90.543	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 90.543(e)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 90.543(e)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 90.539(c)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS

Remark:

Tx: In this whole report Tx (or tx) means Transmitter.
 Rx: In this whole report Rx (or rx) means Receiver.
 RF: In this whole report RF means Radiated Frequency.
 CH: In this whole report CH means channel.
 Volt: In this whole report Volt means Voltage.
 Temp: In this whole report Temp means Temperature.
 Humid: In this whole report Humid means humidity.
 Press: In this whole report Press means Pressure.
 N/A: In this whole report not application

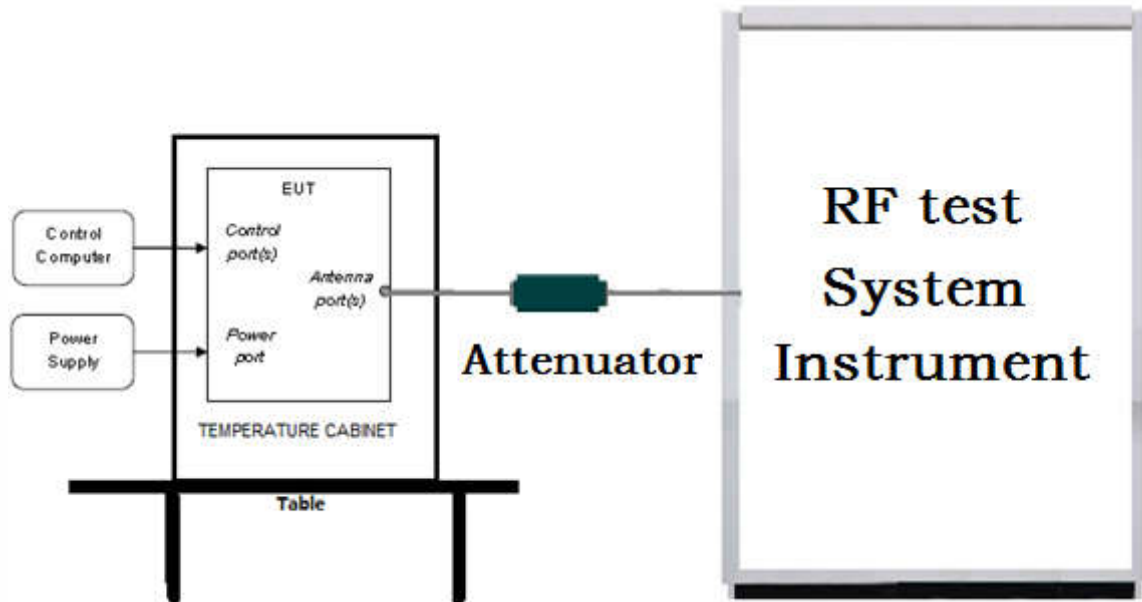
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4 Test Requirement

4.1 Test setup

4.1.1 For Conducted test setup



4.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

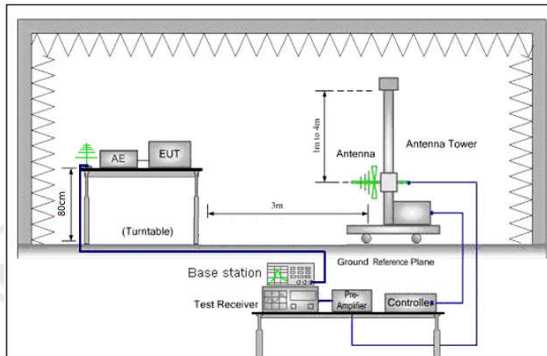


Figure 1.30MHz to 1GHz

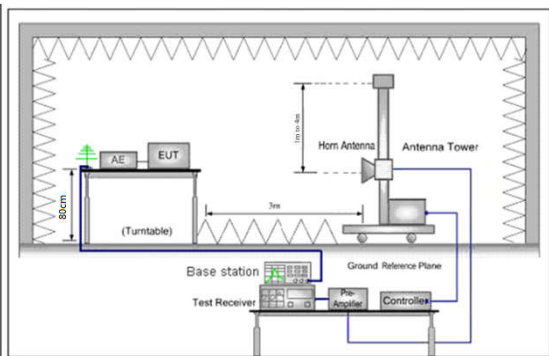


Figure 2. above 1GHz

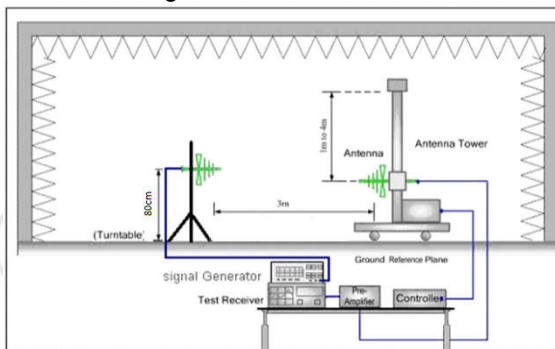


Figure 1. 30MHz to 1GHz

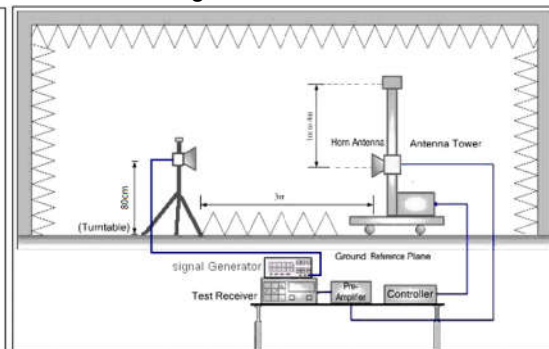


Figure 2. above 1GHz

4.2 Test Environment

Operating Environment:	
Temperature:	22.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010mbar

5 General Information

5.1 Client Information

Applicant:	Guangdong Changyao Innovation Technology Co., Ltd
Address of Applicant:	201, Building 1, No. 1322, Meijie Road, Xiangzhou District, Zhuhai
Manufacturer:	Guangdong Changyao Innovation Technology Co., Ltd
Address of Manufacturer:	201, Building 1, No. 1322, Meijie Road, Xiangzhou District, Zhuhai

5.2 General Description of EUT

Product Name:	ROBOTIC LAWN MOWER
Model No.:	TRON
Trade Mark:	AIRSEEKERS
Product Type:	☒ Mobile ☐ Portable ☐ Fixed Location
Frequency Band:	FDD band 2:UL:1850–1910MHz,DL: 1930 – 1990MHz; FDD band 4:UL:1710–1755MHz,DL: 2110 – 2155MHz; FDD band 5:UL:824–849MHz,DL: 869 – 894MHz; FDD band 7:UL:2500–2570MHz,DL: 2620 – 2690MHz; FDD band 12:UL:699–716MHz,DL: 729 – 746MHz; FDD band 13:UL:777–787MHz,DL: 746 – 756MHz; FDD band 25:UL:1850–1915MHz,DL: 1930 – 1990MHz; FDD band 26:UL:824–849MHz,DL: 859– 894MHz; FDD band 38:UL:2570–2620MHz,DL: 2570–2620MHz; FDD band 41:UL:2496–2690MHz,DL: 2496–2690MHz.
Modulation Type:	QPSK, 16QAM, 64QAM
Antenna Type:	FPC Antenna
Antenna Gain:	FDD band 2: 2.2 dBi FDD band 4: 2.3 dBi FDD band 5: 1.8 dBi FDD band 7: 1.6 dBi FDD band 12: 1.8 dBi FDD band 13: 1.8 dBi FDD band 25: 2.2 dBi FDD band 26: 1.8 dBi FDD band 38: 1.6 dBi FDD band 41: 2.0 dBi

Power Supply:	Adapter:	DC 24V
Nominal Voltage(NV):	DC 24V	
Extreme Hige Voltage(HV):	DC 26.4V	
Extreme Low Voltage(LV):	DC 21.6V	
Sample Received Date:	Apr. 16, 2025	
Sample tested Date:	Apr. 16, 2025 to May 26, 2025	

5.3 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

5.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

5.5 Deviation from Standards

None.

5.6 Abnormalities from Standard Conditions

None.

5.7 Other Information Requested by the Customer

None.

5.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

6 Equipment List

2G/3G/4G Communication RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Agilent	E4440A	MY46185649	10-22-2024	10-21-2025
Signal Generator	Keysight	E8257D	MY53401106	12-05-2024	12-04-2025
Signal Generator	Agilent	E4438C	MY45095744	11-30-2024	11-29-2025
Communication test set	R&S	CMW500	120765	12-05-2024	12-04-2025
DC Power	Keysight	E3642A	MY56376072	11-30-2024	11-29-2025
RF control unit	JS Tonscend	JS0806-1	158060004	12-05-2024	12-04-2025
DC power Box	JS Tonscend	JS0806-4	158060007	---	---
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025
Automatic test software	JS Tonscend	JS1120	V2.6.9.0518	---	---
Band rejection filter	Sinoscite	FL5CX01CA09CL12- 0395-001	---	10-22-2024	10-21-2025
Band rejection filter	Sinoscite	FL5CX01CA08CL12- 0393-001	---	10-22-2024	10-21-2025
Band rejection filter	Sinoscite	FL5CX02CA04CL12- 0396-002	---	10-22-2024	10-21-2025
Band rejection filter	Sinoscite	FL5CX02CA03CL12- 0394-001	---	10-22-2024	10-21-2025
Band rejection filter	Sinoscite	FL5CX02CA03CL12- 0397-002	---	10-22-2024	10-21-2025
High-pass filter	Sinoscite	FL3CX03WG18NM12- 0398-002	---	10-22-2024	10-21-2025

Conducted disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
				(mm-dd-yyyy)	(mm-dd-yyyy)
Receiver	R&S	ESCI	100435	04-08-2025	04-07-2026
Temperature/ Humidity Indicator	Defu	TH128	/	03-31-2025	03-30-2026
LISN	R&S	ENV216	100098	09-19-2024	09-18-2025
Barometer	changchun	DYM3	1188	---	---
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	---	---
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	06-18-2024	06-17-2025
ISN	TESEQ	ISN T800	30297	12-05-2024	12-04-2025

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
				(mm-dd-yyyy)	(mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	01/13/2024	01/12/2027
Receiver	R&S	ESCI7	100938-003	09/07/2024	09/06/2025
Spectrum Analyzer	R&S	FSV40	101200	07/18/2024	07/17/2025
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022 05/14/2025	05/21/2025 05/13/2026
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/07/2025	04/06/2026
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/05/2024	12/04/2025
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07/02/2023	07/01/2026
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/07/2025	04/06/2026
Preamplifier	Agilent	11909A	12-1	03/03/2025	03/02/2026
Preamplifier	CD	PAP-1840-60	6041.6042	06/19/2024	06/18/2025
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	---	---
Cable line	Fulai(7M)	SF106	5219/6A	01/13/2024	01/12/2027

Cable line	Fulai(6M)	SF106	5220/6A	01/13/2024	01/12/2027
Cable line	Fulai(3M)	SF106	5216/6A	01/13/2024	01/12/2027
Cable line	Fulai(3M)	SF106	5217/6A	01/13/2024	01/12/2027

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	07-03-2024	07-02-2025
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2024	01-08-2027
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2024	01-08-2027
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2024	01-08-2027

7 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 22	PART 22 – PUBLIC MOBILE SERVICES Subpart H – Cellular Radiotelephone Service
2	PART 24	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
3	PART 27	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
4	PART 90	PART 90—PRIVATE LAND MOBILE RADIO SERVICES
5	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
6	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
7	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v02r02
8	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

Test Results List:

Test Method:		Test Descriptions & Test Conditions	Verdict	Note
ANSI C63.26-2015	Clause 5.2	RF output power		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.4	99% & 26dB Occupied Bandwidth		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.2	Peak to average power ratio		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.5	Spurious emissions		Appendix A)
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.7	Spurious emissions at antenna terminals		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.6	Frequency stability		Note 1
		NT/NV	PASS	
		LT/LV	PASS	
		LT/HV	PASS	
		HT/LV	PASS	
		HT/HV	PASS	

Note 1:

The test data please refer to

Appendix: LTE Band2 of EED32R8046470505, Appendix: LTE Band4 of EED32R8046470505,
Appendix: LTE Band5 of EED32R8046470505, Appendix: LTE Band7 of EED32R8046470505,
Appendix: LTE Band12 of EED32R8046470505, Appendix: LTE Band13 of EED32R8046470505,
Appendix: LTE Band25 of EED32R8046470505, Appendix: LTE Band26 of EED32R8046470505,
Appendix: LTE Band38 of EED32R8046470505, Appendix: LTE Band41 of EED32R8046470505

Appendix A) Field strength of spurious radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	1. Scan up to 10th harmonic, find the maximum radiation frequency to measure. 2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT. Test procedure as below: 1) The EUT was powered ON and placed on a 0.8m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. 2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. 7) The output power into the substitution antenna was then measured. 8) Steps 6) and 7) were repeated with both antennas polarized. 9) Calculate power in dBm by the following formula: $\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$ $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP} = \text{ERP} + 2.15\text{dB}$ where: Pg is the generator output power into the substitution antenna. 10) Test the EUT in the lowest channel, the middle channel the Highest channel 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case. 12) Repeat above procedures until all frequencies measured was complete.				
Limit:	Attenuated at least 43+10log(P)				

Measurement Data:

Remark: Only the worst case data was recorded in the report.

Mode	LTE	Remark	
Band	Band=2 BW=20MHz	Channel	18900

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	35.4331	150	62	-58.43	-13.00	45.43	PASS	Horizontal
2	80.062	150	357	-62.50	-13.00	49.50	PASS	Horizontal
3	375.001	150	357	-58.64	-13.00	45.64	PASS	Horizontal
4	2940.7941	150	205	-35.36	-13.00	22.36	PASS	Horizontal
5	6868.0184	150	360	-47.29	-13.00	34.29	PASS	Horizontal
6	11209.9105	150	325	-42.05	-13.00	29.05	PASS	Horizontal
7	36.9854	150	182	-56.01	-13.00	43.01	PASS	Vertical
8	58.3297	150	198	-57.05	-13.00	44.05	PASS	Vertical
9	375.001	150	94	-59.53	-13.00	46.53	PASS	Vertical
10	2961.7962	150	216	-35.22	-13.00	22.22	PASS	Vertical
11	4504.0127	150	102	-48.98	-13.00	35.98	PASS	Vertical
12	11236.7243	150	38	-42.14	-13.00	29.14	PASS	Vertical

Mode	LTE	Remark	
Band	Band=4 BW=20MHz	Channel	20175

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.1794	150	24	-58.20	-13.00	45.20	PASS	Horizontal
2	80.062	150	357	-64.21	-13.00	51.21	PASS	Horizontal
3	375.001	150	357	-61.43	-13.00	48.43	PASS	Horizontal
4	2940.394	150	296	-38.77	-13.00	25.77	PASS	Horizontal
5	6882.1566	150	190	-47.22	-13.00	34.22	PASS	Horizontal
6	11259.638	150	75	-41.78	-13.00	28.78	PASS	Horizontal
7	36.9854	150	46	-56.37	-13.00	43.37	PASS	Vertical
8	56.3893	150	54	-57.17	-13.00	44.17	PASS	Vertical
9	375.001	150	317	-58.42	-13.00	45.42	PASS	Vertical
10	2992.3992	150	228	-39.11	-13.00	26.11	PASS	Vertical
11	5047.6024	150	54	-48.84	-13.00	35.84	PASS	Vertical
12	11242.0871	150	262	-42.05	-13.00	29.05	PASS	Vertical

Mode	LTE	Remark	
Band	Band=5 BW=20MHz	Channel	20525

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.3735	150	190	-58.62	-13.00	45.62	PASS	Horizontal
2	80.062	150	357	-63.13	-13.00	50.13	PASS	Horizontal
3	375.001	150	357	-57.75	-13.00	44.75	PASS	Horizontal
4	1708.5959	150	220	-58.80	-13.00	45.80	PASS	Horizontal
5	6915.5416	150	138	-54.95	-13.00	41.95	PASS	Horizontal
6	9749.925	150	220	-52.45	-13.00	39.45	PASS	Horizontal
7	36.9854	150	255	-56.82	-13.00	43.82	PASS	Vertical
8	58.3297	150	235	-54.80	-13.00	41.80	PASS	Vertical
9	375.001	150	356	-58.91	-13.00	45.91	PASS	Vertical
10	1680.393	150	55	-57.14	-13.00	44.14	PASS	Vertical
11	5002.4502	150	3	-54.92	-13.00	41.92	PASS	Vertical
12	9175.2925	150	73	-52.94	-13.00	39.94	PASS	Vertical

Mode	LTE	Remark	\
Band	Band=7 BW=20MHz	Channel	21350

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.9288	150	20	-57.24	-13.00	44.24	PASS	Horizontal
2	375.001	150	98	-60.26	-13.00	47.26	PASS	Horizontal
3	499.962	150	148	-60.68	-13.00	47.68	PASS	Horizontal
4	1829.2829	150	20	-43.06	-13.00	30.06	PASS	Horizontal
5	5028.1014	150	156	-53.26	-13.00	40.26	PASS	Horizontal
6	12554.5027	150	43	-44.81	-13.00	31.81	PASS	Horizontal
7	103.7347	150	275	-61.34	-13.00	48.34	PASS	Vertical
8	281.2803	150	43	-65.80	-13.00	52.80	PASS	Vertical
9	733.5847	150	357	-47.05	-13.00	34.05	PASS	Vertical
10	1799.0799	150	215	-42.56	-13.00	29.56	PASS	Vertical
11	5014.9382	150	20	-52.21	-13.00	39.21	PASS	Vertical
12	12490.1495	150	360	-45.38	-13.00	32.38	PASS	Vertical

Mode	LTE	Remark	
Band	Band=12 BW=20MHz	Channel	23095

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.9854	150	117	-58.56	-13.00	45.56	PASS	Horizontal
2	80.062	150	357	-63.49	-13.00	50.49	PASS	Horizontal
3	375.001	150	357	-58.64	-13.00	45.64	PASS	Horizontal
4	1720.347	150	0	-58.49	-13.00	45.49	PASS	Horizontal
5	6505.4255	150	0	-54.78	-13.00	41.78	PASS	Horizontal
6	9608.9109	150	72	-53.15	-13.00	40.15	PASS	Horizontal
7	62.5985	150	37	-58.69	-13.00	45.69	PASS	Vertical
8	208.9038	150	360	-70.82	-13.00	57.82	PASS	Vertical
9	375.001	150	292	-60.22	-13.00	47.22	PASS	Vertical
10	1410.116	150	360	-56.71	-13.00	43.71	PASS	Vertical
11	5001.2751	150	3	-54.31	-13.00	41.31	PASS	Vertical
12	10192.9443	150	97	-52.81	-13.00	39.81	PASS	Vertical

Mode	LTE	Remark	
Band	Band=13 BW=20MHz	Channel	23230

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	35.045	150	26	-59.31	-13.00	46.31	PASS	Horizontal
2	80.062	150	357	-63.25	-13.00	50.25	PASS	Horizontal
3	375.001	150	357	-58.28	-13.00	45.28	PASS	Horizontal
4	1689.794	150	63	-59.05	-13.00	46.05	PASS	Horizontal
5	6463.1213	150	81	-54.73	-13.00	41.73	PASS	Horizontal
6	10286.9537	150	220	-53.14	-13.00	40.14	PASS	Horizontal
7	31.9404	150	107	-59.17	-13.00	46.17	PASS	Vertical
8	58.3297	150	37	-55.16	-13.00	42.16	PASS	Vertical
9	375.001	150	307	-58.32	-13.00	45.32	PASS	Vertical
10	1709.771	150	196	-56.61	-13.00	43.61	PASS	Vertical
11	5003.6254	150	37	-55.22	-13.00	42.22	PASS	Vertical
12	9685.2935	150	232	-53.19	-13.00	40.19	PASS	Vertical

Mode	LTE	Remark	
Band	Band=25 BW=20MHz	Channel	26365

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	35.045	150	148	-59.06	-13.00	46.06	PASS	Horizontal
2	80.062	150	357	-62.82	-13.00	49.82	PASS	Horizontal
3	375.001	150	357	-57.75	-13.00	44.75	PASS	Horizontal
4	2682.9683	150	349	-38.90	-13.00	25.90	PASS	Horizontal
5	11243.3243	150	321	-41.94	-13.00	28.94	PASS	Horizontal
6	17450.9451	150	93	-37.90	-13.00	24.90	PASS	Horizontal
7	36.9854	150	224	-56.65	-13.00	43.65	PASS	Vertical
8	62.4045	150	260	-58.34	-13.00	45.34	PASS	Vertical
9	375.001	150	357	-58.42	-13.00	45.42	PASS	Vertical
10	2944.1944	150	270	-38.69	-13.00	25.69	PASS	Vertical
11	4501.6502	150	164	-49.08	-13.00	36.08	PASS	Vertical
12	15895.2895	150	135	-37.01	-13.00	24.01	PASS	Vertical

Mode	LTE	Remark	\
Band	Band=26 BW=20MHz	Channel	20600

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.5407	150	260	-56.94	-13.00	43.94	PASS	Horizontal
2	208.9038	150	3	-72.05	-13.00	59.05	PASS	Horizontal
3	499.962	150	313	-61.02	-13.00	48.02	PASS	Horizontal
4	2421.8922	150	82	-53.13	-13.00	40.13	PASS	Horizontal
5	6959.0209	150	40	-49.74	-13.00	36.74	PASS	Horizontal
6	12496.1746	150	358	-45.22	-13.00	32.22	PASS	Horizontal
7	60.2701	150	256	-53.10	-13.00	40.10	PASS	Vertical
8	208.9038	150	144	-67.60	-13.00	54.60	PASS	Vertical
9	499.962	150	230	-61.18	-13.00	48.18	PASS	Vertical
10	2279.703	150	338	-52.77	-13.00	39.77	PASS	Vertical
11	5004.8005	150	357	-52.14	-13.00	39.14	PASS	Vertical
12	12442.1192	150	87	-45.55	-13.00	32.55	PASS	Vertical

Mode	LTE	Remark	\
Band	Band=38 BW=20MHz	Channel	21350

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.7347	150	137	-57.86	-13.00	44.86	PASS	Horizontal
2	375.001	150	357	-61.55	-13.00	48.55	PASS	Horizontal
3	499.962	150	197	-60.57	-13.00	47.57	PASS	Horizontal
4	1631.6632	150	145	-45.51	-13.00	32.51	PASS	Horizontal
5	5012.0131	150	114	-52.71	-13.00	39.71	PASS	Horizontal
6	12517.9384	150	170	-44.86	-13.00	31.86	PASS	Horizontal
7	60.4641	150	174	-54.64	-13.00	41.64	PASS	Vertical
8	375.001	150	338	-62.05	-13.00	49.05	PASS	Vertical
9	739.5999	150	357	-55.95	-13.00	42.95	PASS	Vertical
10	1757.8758	150	190	-43.08	-13.00	30.08	PASS	Vertical
11	5017.3759	150	271	-51.83	-13.00	38.83	PASS	Vertical
12	12527.2014	150	206	-44.69	-13.00	31.69	PASS	Vertical

Mode	LTE	Remark	\
Band	Band=41 BW=20MHz	Channel	41490

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.9288	150	126	-55.47	-13.00	42.47	PASS	Horizontal
2	208.9038	150	330	-72.42	-13.00	59.42	PASS	Horizontal
3	375.001	150	100	-60.49	-13.00	47.49	PASS	Horizontal
4	1787.6788	150	92	-45.45	-13.00	32.45	PASS	Horizontal
5	5002.7501	150	344	-52.08	-13.00	39.08	PASS	Horizontal
6	11853.9302	150	148	-46.49	-13.00	33.49	PASS	Horizontal
7	58.5237	150	212	-55.08	-13.00	42.08	PASS	Vertical
8	375.001	150	348	-63.46	-13.00	50.46	PASS	Vertical
9	736.3013	150	357	-52.91	-13.00	39.91	PASS	Vertical
10	1840.6841	150	170	-43.16	-13.00	30.16	PASS	Vertical
11	4902.3201	150	55	-53.02	-13.00	40.02	PASS	Vertical
12	8518.7759	150	115	-49.75	-13.00	36.75	PASS	Vertical

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32R80464701 for EUT external and internal photos.

Statement

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