TEST REPORT

Application No.:	FYCR2209000353AT
Applicant:	Changsha Intelligent Driving Institute Co., Ltd
Address of Applicant:	Building A3 and A4, No. 336, Xueshi Road, Yuelu District, Changsha, Hunan, China
Manufacturer:	Changsha Intelligent Driving Institute Co., Ltd
Address of Manufacturer:	Building A3 and A4, No. 336, Xueshi Road, Yuelu District, Changsha, Hunan, China
Factory:	Changsha Intelligent Driving Institute Co., Ltd
Address of Factory:	Building A3 and A4, No. 336, Xueshi Road, Yuelu District, Changsha, Hunan, China
Equipment Under Test (EUT):	
EUT Name:	Intelligent Processing Unit
Model No.:	EP0103
Trade Mark:	CiDi 希迪智驾
FCC ID:	2A4ABEP0103
Standard(s) :	47 CFR Part 2
	47 CFR Part 22 subpart H
	47 CFR Part 27 subpart C
Date of Receipt:	2022-09-05
Date of Test:	2022-09-19 to 2022-10-31
Date of Issue:	2022-11-01
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Winkey Wang

EMC Technical Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		*2022-11-01*		*Original*

Authorized for issue by:				
		Tree Zhan **Tree Zhan/Project Engineer**		
		Winkey Wang **Winkey Wang/Reviewer**		

2 Test Summary

LTE Band 5

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §22.913(a)	EIRP≤7W	PASS
Peak-Average Ratio	§2.1046 §22.913(d)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §22.917(a)	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051 §22.917(a)	≤ -13 dBm/1MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1051 §22.917(a)	≤ -13dBm/1MHz	PASS
Frequency stability	§2.1055 §22.355	≤ ±2.5ppm	PASS

LTE Band 38

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(h)	EIRP≤2W	PASS
Peak-Average Ratio	§2.1046	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §27.53(m)	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051 §27.53(m)	≤ -25 dBm/1MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1053 §27.53(m)	≤ -25dBm	PASS
Frequency stability	§2.1055 §27.54	≤ ±2.5ppm	PASS

LTE Band 40

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(a)	EIRP≤250mW	PASS
Peak-Average Ratio	§2.1046 §27.50(a)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §27.53(a)	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051 §27.53(a)	≤ -13 dBm/1MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1053 §27.53(a)	≤ -13dBm/1MHz	PASS
Frequency stability	§2.1055 §27.54	≤ ±2.5ppm	PASS

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	AC/DC Switching Adaptor Adapter Model: GST120A24-HON Input: AC 100-240V, 50/60Hz, 1.4A Output: DC 24V 1.5A, 120W Max
Test Voltage:	AC 120V, 60Hz Note: Both nominal AC 120V, 60Hz and AC 240 V, 60Hz are required for testing in accordance with FCC KDB174176, this report only shows the results of the worst test result(AC 120V, 60Hz);
Cable(s):	AC cable:140cm with a ferrite core
Internal Source:	More than 108MHz
Operation Frequency Band:	LTE Band 5,38,40
Modulation Type:	QPSK, 16QAM
Antenna Type:	Helical Rod Antenna
Antenna Gain:	7dBi
Extreme temp. Tolerance:	-30°C to +50°C

Remark: The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Effective (Isotropic) Radiated Power Output Data	± 3.1dB (Below 1GHz),± 4.4dB (Above 1GHz)
Peak-Average Ratio	± 0.8dB
Modulation Characteristics	± 0.8dB
Bandwidth	± 0.3%
Band Edge Compliance	± 2.7dB
Spurious emissions at antenna terminals	± 2.7dB
Field strength of spurious radiation	± 2.7dB
Frequency stability	± 5.4 x 10-8

4.4 Test Frequency

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829.0	836.5	844.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE TDD Band 38	5	2572.5	2595.0	2617.5
	10	2575.0	2595.0	2615.0
	15	2577.5	2595.0	2612.5
	20	2580.0	2595.0	2610.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE TDD Band 40 (2305MHz-2315MHz)	5	2307.5	2310	2312.5
	10	/	2310	/
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE TDD Band 40 (2350MHz-2360MHz)	5	2352.5	2355	2357.5
	10	/	2355	/

4.5 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	52%	
Atmospheric Pressure:	1015Pa	
Temperature:	TL	-30°C
	TN	+20°C
	TH	+50°C
Voltage:	VL	102 V
	VN	120 V
	VH	138 V

NOTE: VL= lower extreme test voltage
VN= nominal voltage
VH= upper extreme test voltage
TL= lower extreme test temperature
TN= normal temperature
TH= upper extreme test temperature

4.6 Test Location

All tests were performed at:

Compliance Certification Services（Kunshan）Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark,Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 6606.01)

Compliance Certification Services（Kunshan）Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services（Kunshan）Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services（Kunshan）Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.8 Deviation from Standards

None

4.9 Abnormalities from Standard Conditions

None

5 Equipment List

RF conducted test					
Test Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date**	**Cal. Due date**
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/07/12	2023/07/11
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/07/12	2023/07/11
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2022/07/12	2023/07/11
Measurement Software	TST	TST PASS V2.0	N/A	N/A	N/A
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/07/12	2023/07/11
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2022/03/29	2023/03/28
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2022/07/12	2023/07/11

Field strength of spurious radiation(Below 1GHz & Above 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11
Pre-amplifier	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-23	2022/4/24	2023/4/23
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2022/7/12	2023/7/11
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2022/7/12	2023/7/11
Substitution antenna	Schwarzbeck	VULB9168	SEM003-26	2021/10/19	2023/10/18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	SEM010-08	2022/3/22	2023/3/21

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2022-07-12	2023-07-11
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2022-07-12	2023-07-11
Barometer	DUMAI	DYM3	SEM002-24	2022-07-12	2023-07-11

6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

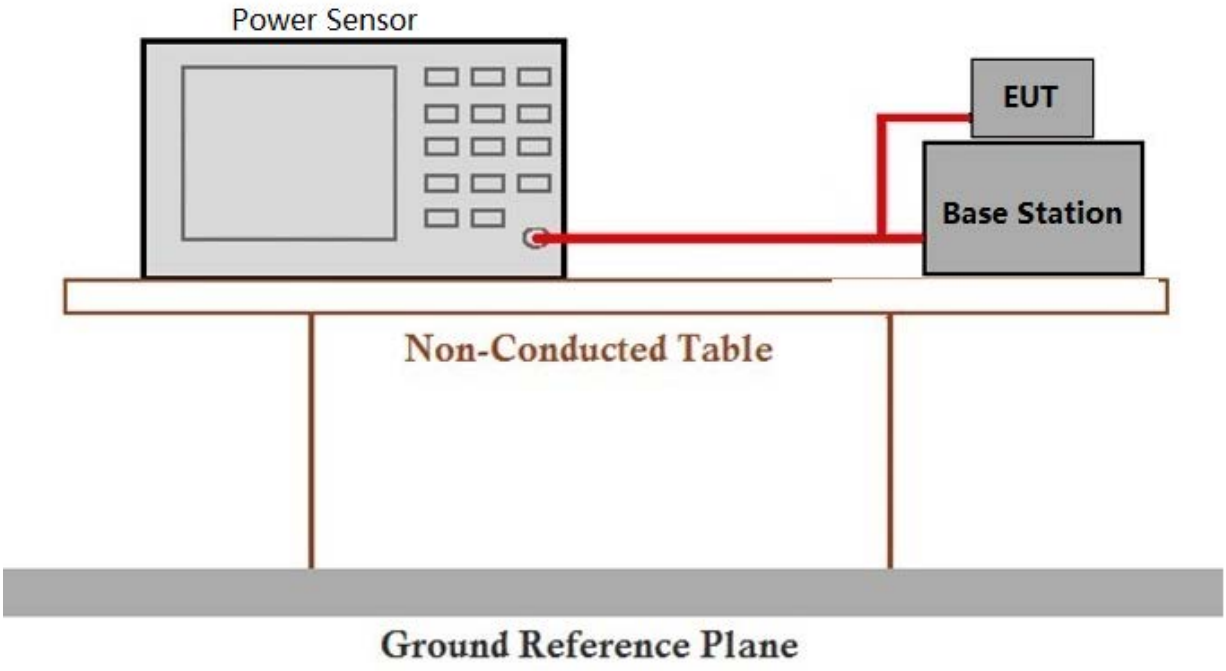
6.1.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.2 Peak-Average Ratio

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

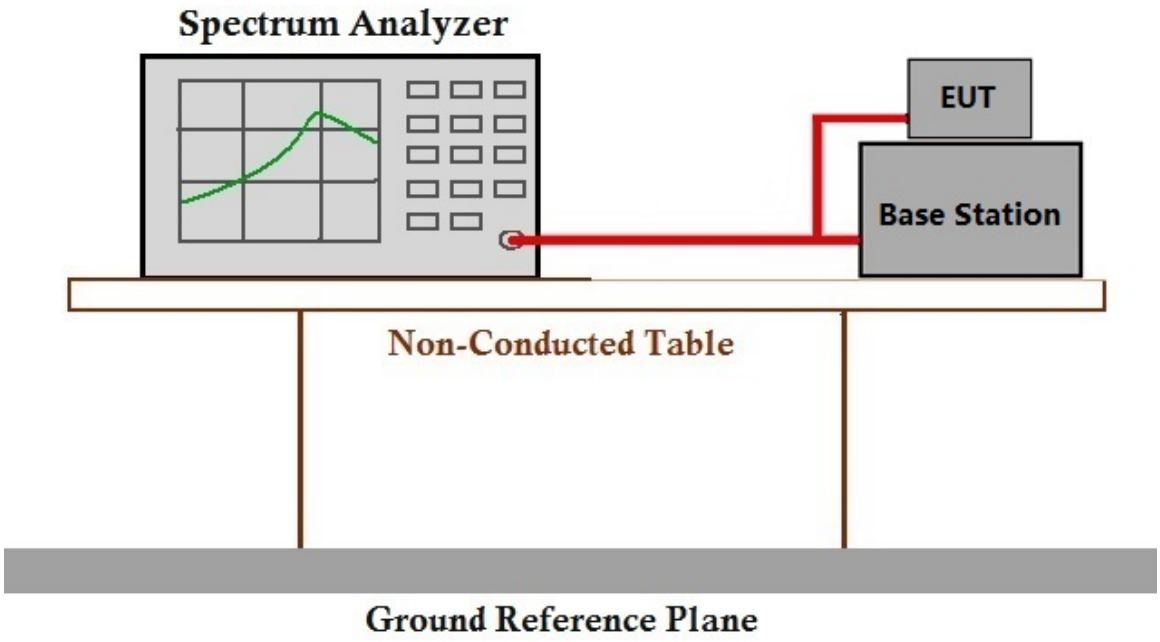
6.2.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.2.3 Test Setup Diagram



6.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.3 Modulation Characteristics

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

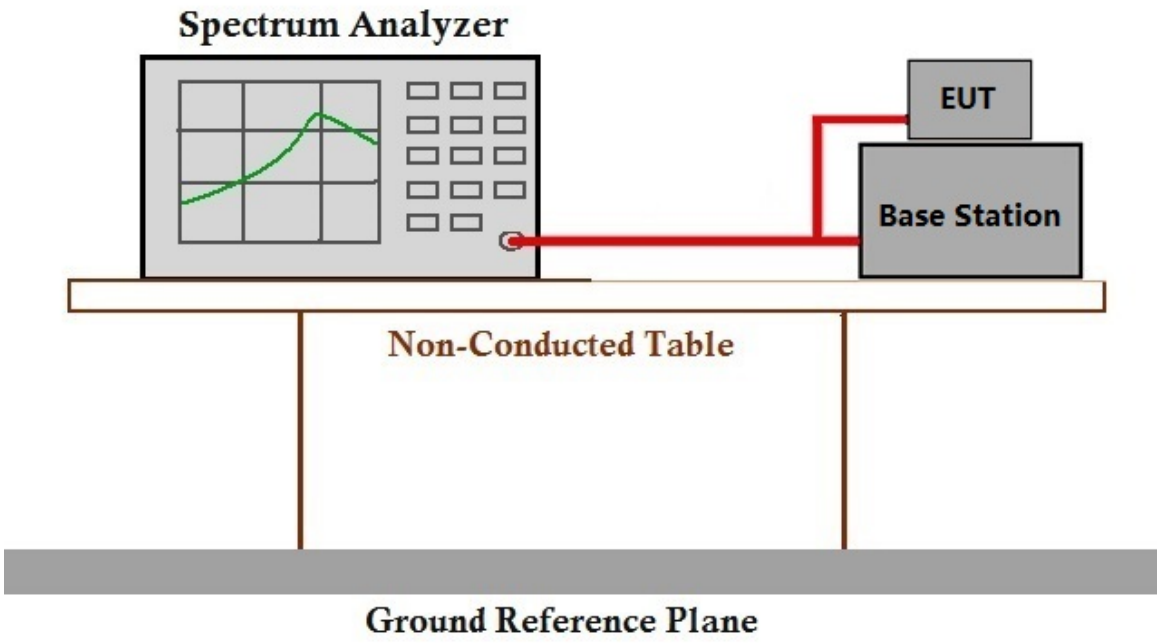
6.3.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.3.3 Test Setup Diagram



6.3.4 Measurement Procedure and Data

Note: This device uses digital modulation.

6.4 Bandwidth

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

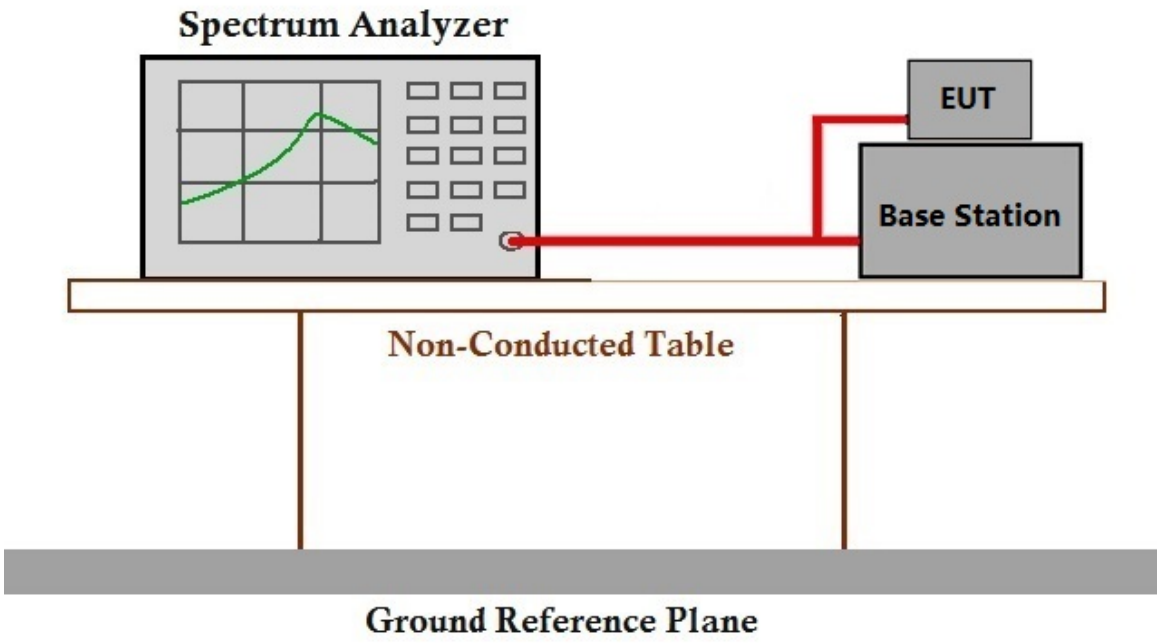
6.4.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.4.3 Test Setup Diagram



6.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.5 Band Edge Compliance

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

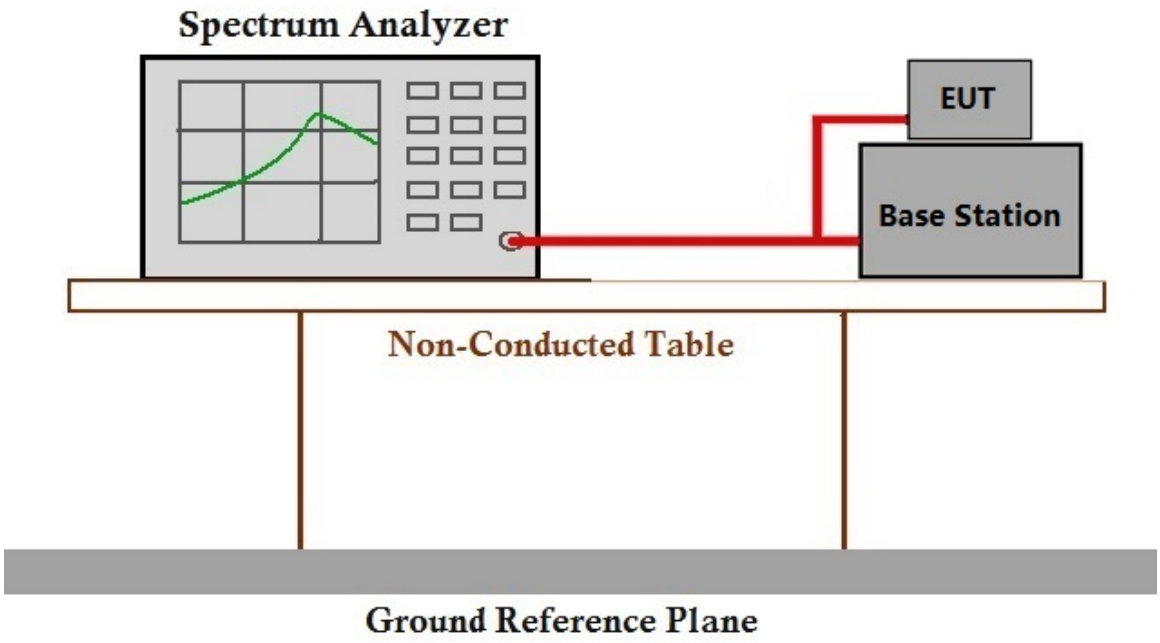
6.5.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.5.3 Test Setup Diagram



6.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.6 Spurious emissions at antenna terminals

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

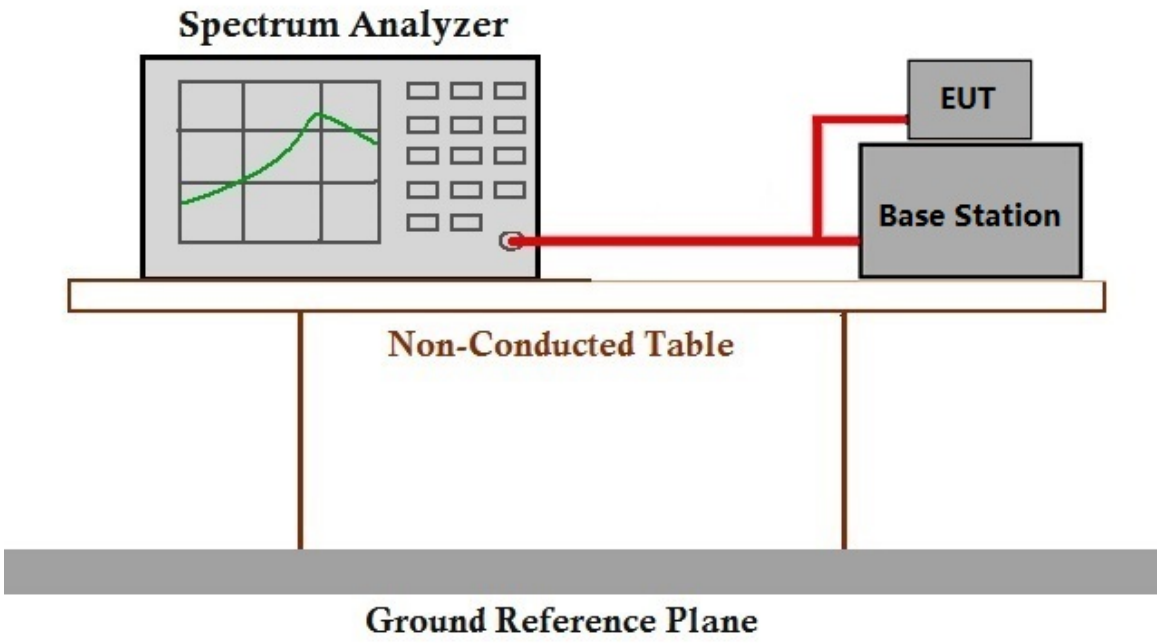
6.6.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.6.3 Test Setup Diagram



6.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.7 Field strength of spurious radiation

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Measurement Distance: 3m
Limit: Reference test summary

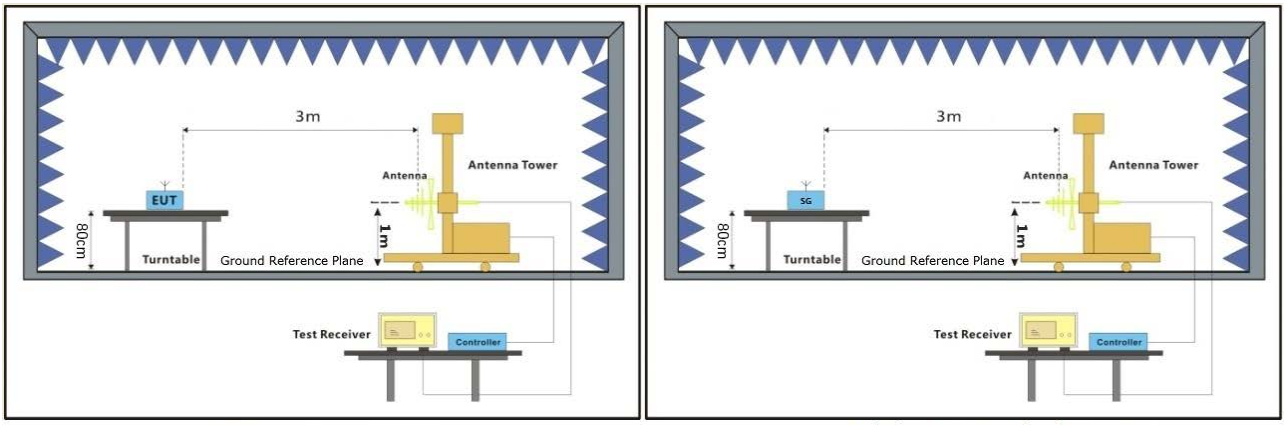
6.7.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.7.3 Test Setup Diagram



EUT Substiute Antenna+Signal Generator

6.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

2.1.1 Measurement Procedure and Data

Test Procedure:

(1)On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
(2)The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
(3)The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
(4)The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
(5)The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
(6)The transmitter shall than be rotated through 360°in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
(7)The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
(8)The maximum signal level detected by the measuring receiver shall be noted.
(9)The measurement shall be repeated with the test antenna set to horizontal polarization.
(10) Replace the antenna with a proper Antenna (substitution antenna).
(11)The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
(12)The substitution antenna shall be connected to a calibrated signal generator.
(13)If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
(14)The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
(15)The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
(16)The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
(17)The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.

LTE Band 5-10MHz Low channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649	-56.25	-13	-43.25	-59.91	3.77	7.43	Horizontal	Pass
2473.5	-50.87	-13	-37.87	-53.2	4.75	7.08	Horizontal	Pass
3298	-49.04	-13	-36.04	-51.62	5.72	8.3	Horizontal	Pass
1649	-56.03	-13	-43.03	-59.69	3.77	7.43	Vertical	Pass
2473.5	-50.97	-13	-37.97	-53.3	4.75	7.08	Vertical	Pass
3298	-49.32	-13	-36.32	-51.9	5.72	8.3	Vertical	Pass

LTE Band 5-10MHz Middle channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-55.83	-13	-42.83	-59.49	3.77	7.43	Horizontal	Pass
2496	-51.42	-13	-38.42	-53.75	4.75	7.08	Horizontal	Pass
3328	-47.59	-13	-34.59	-50.17	5.72	8.3	Horizontal	Pass
1664	-55.89	-13	-42.89	-59.55	3.77	7.43	Vertical	Pass
2496	-51.92	-13	-38.92	-54.25	4.75	7.08	Vertical	Pass
3328	-47.37	-13	-34.37	-49.95	5.72	8.3	Vertical	Pass

LTE Band 5-10MHz High channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679	-55.44	-13	-42.44	-59.1	3.77	7.43	Horizontal	Pass
2518.5	-51.89	-13	-38.89	-54.36	5.13	7.6	Horizontal	Pass
3358	-47.93	-13	-34.93	-50.51	5.72	8.3	Horizontal	Pass
1679	-55.32	-13	-42.32	-58.98	3.77	7.43	Vertical	Pass
2518.5	-53.02	-13	-40.02	-55.49	5.13	7.6	Vertical	Pass
3358	-48.6	-13	-35.6	-51.18	5.72	8.3	Vertical	Pass

LTE Band 38-20MHz Low channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5142	-48.46	-25	-23.46	-50.46	8.3	10.3	Horizontal	Pass
7713	-48.2	-25	-23.2	-52.03	8.43	12.26	Horizontal	Pass
10284	-45.25	-25	-20.25	-47.5	11.12	13.37	Horizontal	Pass
5142	-48.96	-25	-23.96	-50.96	8.3	10.3	Vertical	Pass
7713	-46.56	-25	-21.56	-50.39	8.43	12.26	Vertical	Pass
10284	-43.97	-25	-18.97	-46.22	11.12	13.37	Vertical	Pass

LTE Band 38-20MHz Middle channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5172	-50.05	-25	-25.05	-52.05	8.3	10.3	Horizontal	Pass
7758	-47.62	-25	-22.62	-51.45	8.43	12.26	Horizontal	Pass
10344	-44.91	-25	-19.91	-47.16	11.12	13.37	Horizontal	Pass
5172	-49.58	-25	-24.58	-51.58	8.3	10.3	Vertical	Pass
7758	-46.83	-25	-21.83	-50.66	8.43	12.26	Vertical	Pass
10344	-44.35	-25	-19.35	-46.6	11.12	13.37	Vertical	Pass

LTE Band 38-20MHz High channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5202	-49.05	-25	-24.05	-51.05	8.3	10.3	Horizontal	Pass
7803	-46.76	-25	-21.76	-50.59	8.43	12.26	Horizontal	Pass
10404	-43.67	-25	-18.67	-45.92	11.12	13.37	Horizontal	Pass
5202	-48.86	-25	-23.86	-50.86	8.3	10.3	Vertical	Pass
7803	-45.54	-25	-20.54	-49.37	8.43	12.26	Vertical	Pass
10404	-44.48	-25	-19.48	-46.73	11.12	13.37	Vertical	Pass

LTE Band 40-10MHz Low channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5012	-46.41	-13	-33.41	-48.41	8.3	10.3	Horizontal	Pass
7518	-42.23	-13	-29.23	-46.06	8.43	12.26	Horizontal	Pass
10024	-41.33	-13	-28.33	-43.58	11.12	13.37	Horizontal	Pass
5012	-47.03	-13	-34.03	-49.03	8.3	10.3	Vertical	Pass
7518	-42.61	-13	-29.61	-46.44	8.43	12.26	Vertical	Pass
10024	-40.79	-13	-27.79	-43.04	11.12	13.37	Vertical	Pass

LTE Band 40-10MHz Middle channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5186	-46.28	-13	-33.28	-48.28	8.3	10.3	Horizontal	Pass
7779	-44.42	-13	-31.42	-48.25	8.43	12.26	Horizontal	Pass
10372	-42	-13	-29	-44.25	11.12	13.37	Horizontal	Pass
5186	-47.13	-13	-34.13	-49.13	8.3	10.3	Vertical	Pass
7779	-44.94	-13	-31.94	-48.77	8.43	12.26	Vertical	Pass
10372	-42.97	-13	-29.97	-45.22	11.12	13.37	Vertical	Pass

LTE Band 40-10MHz High channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5360	-47.85	-13	-34.85	-49.85	8.3	10.3	Horizontal	Pass
8040	-42.76	-13	-29.76	-46.01	9.43	12.68	Horizontal	Pass
10720	-40.33	-13	-27.33	-42.75	11.06	13.48	Horizontal	Pass
5360	-47.07	-13	-34.07	-49.07	8.3	10.3	Vertical	Pass
8040	-41.94	-13	-28.94	-45.19	9.43	12.68	Vertical	Pass
10720	-40.86	-13	-27.86	-43.28	11.06	13.48	Vertical	Pass

Note: All modes have been tested and we found QPSK test mode has the worst test result. Only record the worst test result.

EIRP= S.G. Power- Cable loss+ Antenna Gain

6.8 Frequency stability

Test Requirement Reference test summary
Test Method: ANSI C63.26, KDB 971168 D01 v03r01
Limit: Reference test summary

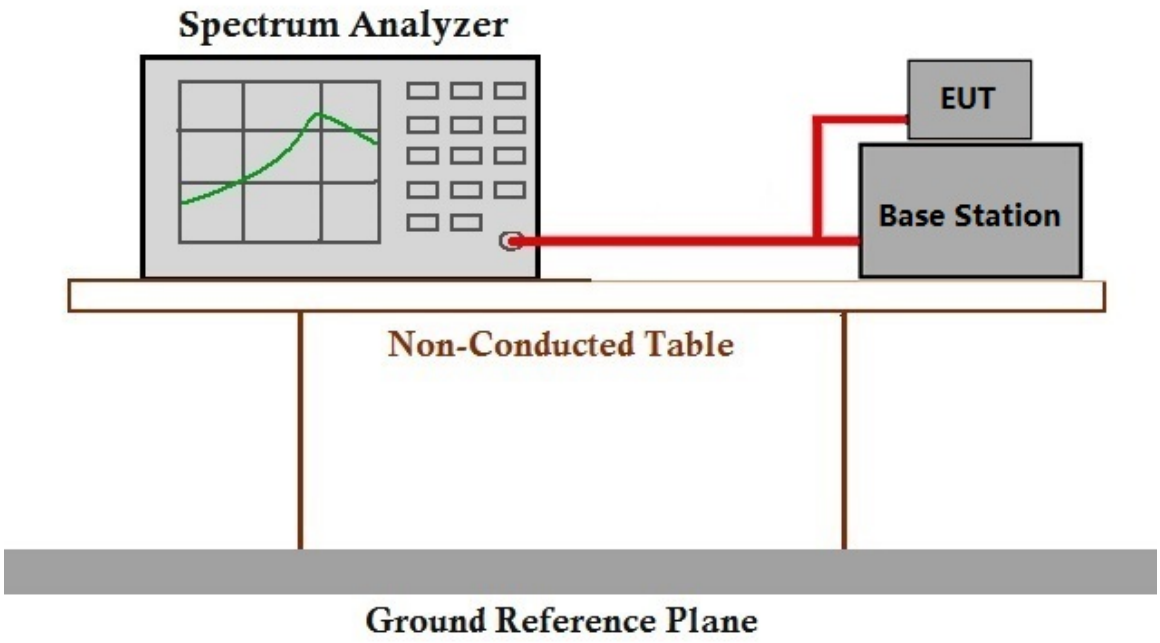
6.8.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 52.4 % RH Atmospheric Pressure: 1015 mbar

6.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

6.8.3 Test Setup Diagram



6.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

3 Test Setup Photo

Refer to Appendix – Test Setup Photos for FYCR2209000353AT

4 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for FYCR2209000353AT

- End of the Report -

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