TEST REPORT

Application No.:	SZCR2303000745AT
Applicant:	Leax Arkivator Telecom USA Inc.
Address of Applicant:	833 E Arapaho Rd Suite 203, Richardson, Texas 75081 United States
Manufacturer:	Leax Arkivator Telecom USA Inc.
Address of Manufacturer:	833 E Arapaho Rd Suite 203, Richardson, Texas 75081 United States
Factory:	Leax Arkivator Telecom USA Inc.
Address of Factory:	833 E Arapaho Rd Suite 203, Richardson, Texas 75081 United States
Equipment Under Test (EUT):	
EUT Name:	CAT12 Module
Model No.:	MGA6230A
FCC ID:	2AVFNMGA6230A
Standard(s) :	47 CFR Part 2 47 CFR Part 22 subpart H 47 CFR Part 24 subpart E 47 CFR Part 27 subpart C
Date of Receipt:	2023-03-20
Date of Test:	2023-03-28 to 2023-04-25
Date of Issue:	2023-05-15
Test Result:	**Pass**

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

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2023-05-15		Original

Authorized for issue by:				
		Benson Wang **Benson Wang/Project Engineer**		
		Eric Fu **Eric Fu/Reviewer**		

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2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Output Power Data	§2.1046 §22.913 §24.232 §27.50(b) §27.50(c) §27.50(d)	ERP≤ 7W(B5) EIRP≤ 2W(B2) ERP≤ 3W(B13) ERP≤ 3W(B12,71) EIRP≤ 1W(B4,66)	PASS
Peak-Average Ratio	§22.913 §24.232 §27.50(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 §24.238 §27.50(c) §27.50(g) §27.50(h)	≤ -13dBm (B5) ≤ -13dBm (B2) Refer to clause 6.4 for B13 ≤ -13dBm (B12,71) ≤ -13dBm (B4,66)	PASS
Spurious emissions at antenna terminals	§2.1051 §22.917 §24.238 §27.50(c) §27.50(g) §27.50(h)	≤ -13dBm (B5) ≤ -13dBm (B2) Refer to clause 6.5 for B13 ≤ -13dBm (B12,71) ≤ -13dBm (B4,66)	PASS
Field strength of spurious radiation	§2.1051 §22.917 §24.238 §27.50(c) §27.50(g) §27.50(h)	≤ -13dBm (B5) ≤ -13dBm (B2) Refer to clause 6.5 for B13 ≤ -13dBm (B12,71) ≤ -13dBm (B4,66)	PASS
Frequency stability	§2.1055 §22.355 §24.235 §27.54	≤ ±2.5ppm.	PASS

Note: The test items except radiated spurious emission of inter band CA were cover by LTE single carrier due to the CA power is reduced according to 3GPP MPR.

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4 General Information

4.1 Details of E.U.T.

Power supply:	POE Passive Injector powered by Adapter Adapter 1 Model No.: ASSA107A-240050 Input: AC 100-240V; 50/60Hz; Output: DC 24V 500mA Adapter 2 Model No.: TPA298H-12240-US Input: AC 100-240V; 50/60Hz; Output: DC 24V 0.5A
Cable(s):	Network cable: unshielded 100.5cm Cable of Adapter 1: unshielded 125.5cm Cable of Adapter 2: unshielded 134cm
Sample Type:	Mobile production
LTE Operation Frequency Band:	LTE FDD Band 2,4,5,12,13,66,71 CA: 2A-12A; 12A-66A
Modulation Type:	QPSK, 16QAM,64QAM
LTE Power Class:	3
Antenna Type:	Panel Antenna

Antenna Gain:

LTE Band	ANT0 TRX0	ANT1 RX1	ANT2 TRX2	ANT3 RX3	Directional Gain
2	6.83	/	9.48	/	8.35
4	7.24	/	9.19	/	8.32
5	6.18	/	/	/	/
12	/	/	0.85	/	/
13	5.43	/	/	/	/
66	7.24	/	9.19	/	8.32
71	/	/	0.18	/	/

Remark 1: Band 2/4/66:
1) ANT0 and ANT2 can Simultaneous transmission,
2) They are uncorrelated.
3) ANT0 is primarily Antenna; ANT2 is Secondary Antenna

Remark 2: Band 5/13: Only support ANT0;
Remark 3: Band 12/71: Only support ANT2;

Note:
(1)The antenna gain value is provided by the customer. The test lab will not be responsible for wrong test result due to incorrect information about antenna gain values.

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4.2 Test Frequency

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855.0	1880	1905.0
	15	1857.5	1880	1902.5
	20	1860.0	1880	1900.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715.0	1732.5	1750.0
	15	1717.5	1732.5	1747.5
	20	1720.0	1732.5	1745.0
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 FDD Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0

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Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE FDD Band 13	5	779.5	782.0	784.5
	10	/	782.0	/
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 66	1.4	1710.7	1745.0	1779.3
	3	1711.5	1745.0	1778.5
	5	1712.5	1745.0	1777.5
	10	1715.0	1745.0	1775.0
	15	1717.5	1745.0	1772.5
	20	1720.0	1745.0	1770.0
Test mode:	**Nominal Bandwidth (MHz)**	**RF Channel**		
		Low (L)	**Middle (M)**	**High (H)**
		MHz	**MHz**	**MHz**
LTE FDD Band 71	5	665.5	680.5	695.5
	10	668.0	680.5	693.0
	15	670.5	680.5	690.5
	20	673.0	680.5	688.0

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4.3 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	DC 20.4 V
	VN	DC 24 V
	VH	DC 27.6 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

4.4 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Development Boards	Provided by applicant	N/A	N/A

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4.5 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 5.4 x 10^{-8}
2	Duty cycle	± 0.3%
3	Occupied Bandwidth	± 3%
4	RF conducted power	± 0.8dB
5	RF power density	± 0.4dB
6	Conducted Spurious emissions	± 2.7dB
7	Radiated Spurious emission test	± 3.1dB (Below 1GHz)
		± 4.4dB (Above 1GHz)
8	Temperature test	± 1°C
9	Humidity test	± 3%
10	Supply voltages	± 1.5%
11	Time	± 3%

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4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.
Tel: +86 755 2601 2053 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. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.8 Deviation from Standards

None

4.9 Abnormalities from Standard Conditions

None

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5 Equipment List

RF test system

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	SAEMC	MSR733	SEM001-09	2022-05-14	2025-05-13
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-17	2023-03-20	2024-03-14
Mobile Communications DC Source	Agilent	66319D	SEM011-12	2022-05-07	2023-05-06
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2022-04-07 2023-04-06	2023-04-06 2024-04-05
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2022-04-07 2023-04-06	2023-04-06 2024-04-05
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2022-04-07 2023-04-06	2023-04-06 2024-04-05
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2022-03-29 2023-03-28	2023-03-28 2024-03-27
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022-04-07 2023-04-06	2023-04-06 2024-04-05
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07

RE in Chamber

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01
EXA Signal Analyzer (10Hz-44GHz)	Agilent Technologies Inc	N9010A	SEM004-12	2022-04-07 2023-04-06	2023-04-06 2024-04-05
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2021-09-17	2023-09-16
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021-09-26	2024-09-25
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2022-09-15	2023-09-14
Microwave System Amplifier(0.5-26.5GHz)	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20

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Pre-amplifier (26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2022-03-22 2023-03-21	2023-03-21 2024-03-20
Substitution Antenna	Schwarzbeck	VULB9168	SEM003-18	2022-08-07	2025-08-06
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2022-07-12	2023-07-11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-06	2022-07-08	2023-07-07

RE in Chamber					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16
Substitution Antenna	ETS-Lindgren	3142C	SEM003-01	2020-06-26	2023-06-25
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2022-07-12	2023-07-11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-20	2024-03-19

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6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Output Power Data

Test Requirement: §2.1046; §22.913; §24.232; §27.50(b); §27.50(c); §27.50(d)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: ERP≤7W(LTE Band 5)
EIRP≤ 2W(LTE Band 2)
EIRP≤ 1W(LTE Band 4, 66)
ERP≤ 3W(LTE Band 12, 13, 71)

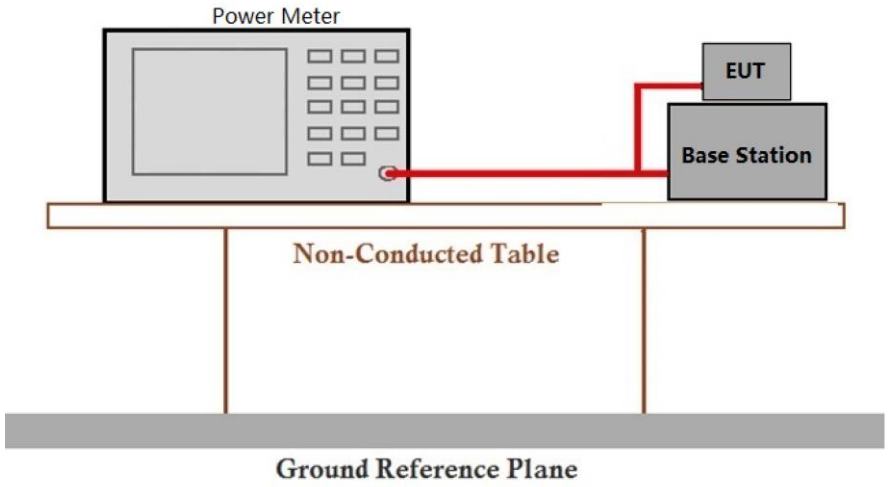
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



6.1.3 Measurement Data

Please refer to Appendix for LTE test data.

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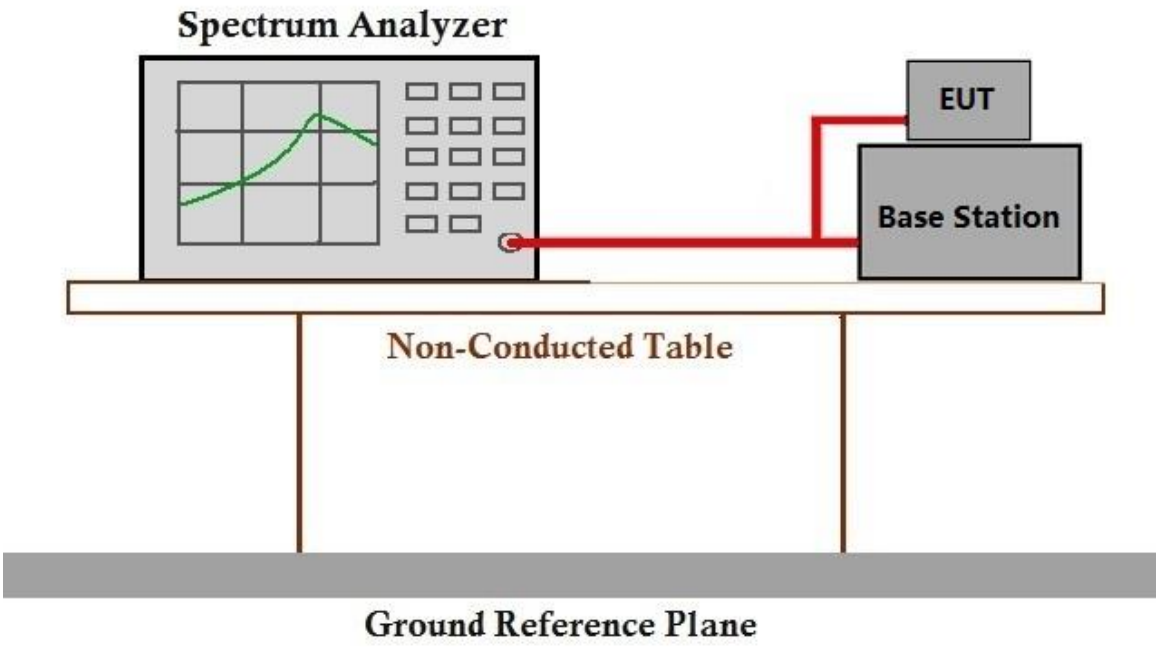
6.2 Peak-Average Ratio

Test Requirement: §22.913,§24.232,§27.50(d)
Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
Limit: ≤13dB

6.2.1 E.U.T. Operation

Operating Environment:
Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



6.2.3 Measurement Data

Please refer to Appendix for LTE test data.

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6.3 Bandwidth

Test Requirement: §2.1049(h)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: OBW: No limit
EBW: No limit

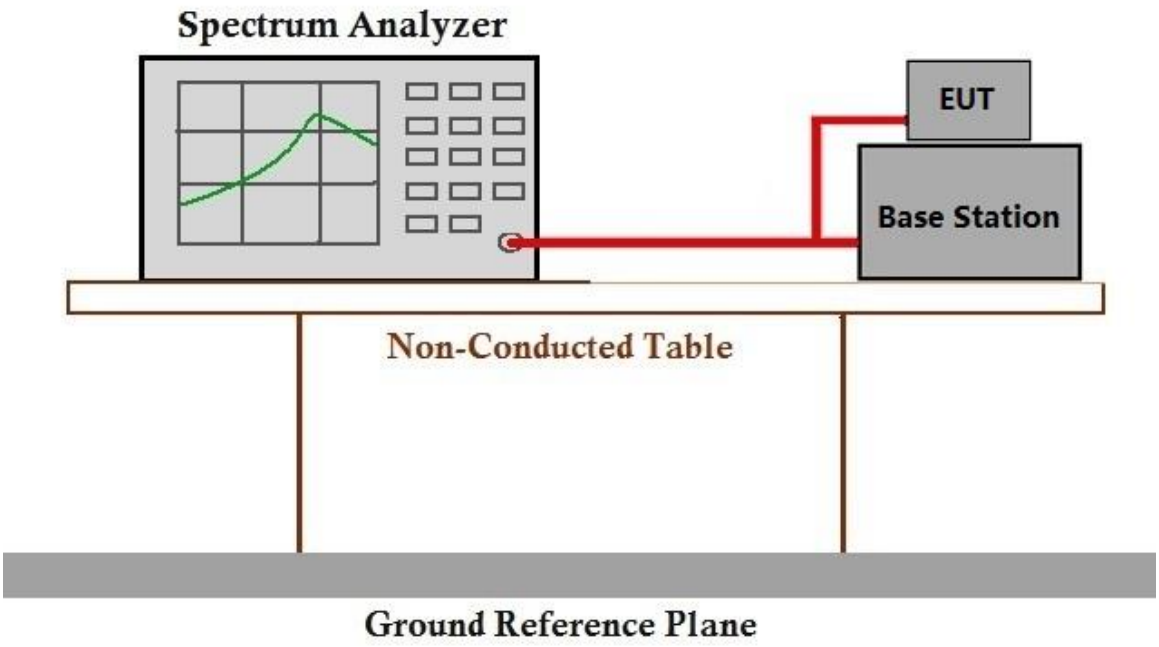
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.3.2 Test Setup Diagram



6.3.3 Measurement Data

Please refer to Appendix for LTE test data.

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6.4 Band Edge Compliance

Test Requirement: §2.1051,§22.917,§24.238,§27.50(c),§27.50(g),§27.50(h)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: ≤ -13dBm (**LTE Band2,4,5,12,66,71**)

For band 13:

(1) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(2) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations

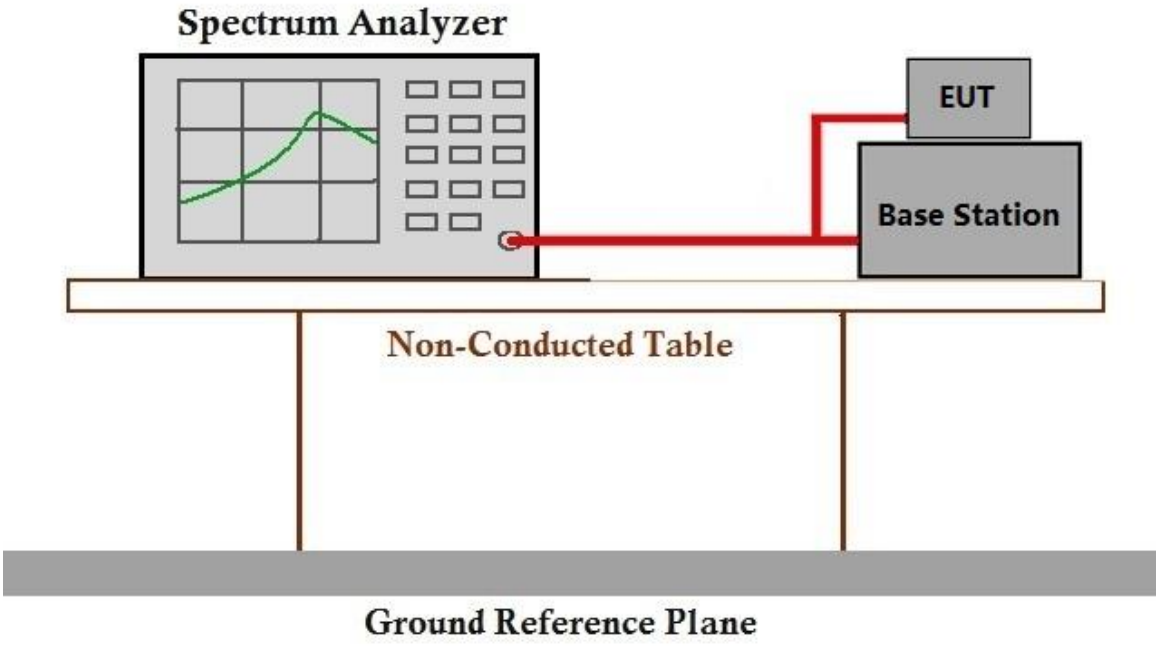
6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



6.4.3 Measurement Data

Please refer to Appendix for LTE test data.

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6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051,§22.917,§24.238,§27.50(c),§27.50(g),§27.50(h)

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: ≤ -13dBm (**LTE Band2,4,5,12,66,71**)

For band 13:

(1) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(2) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations

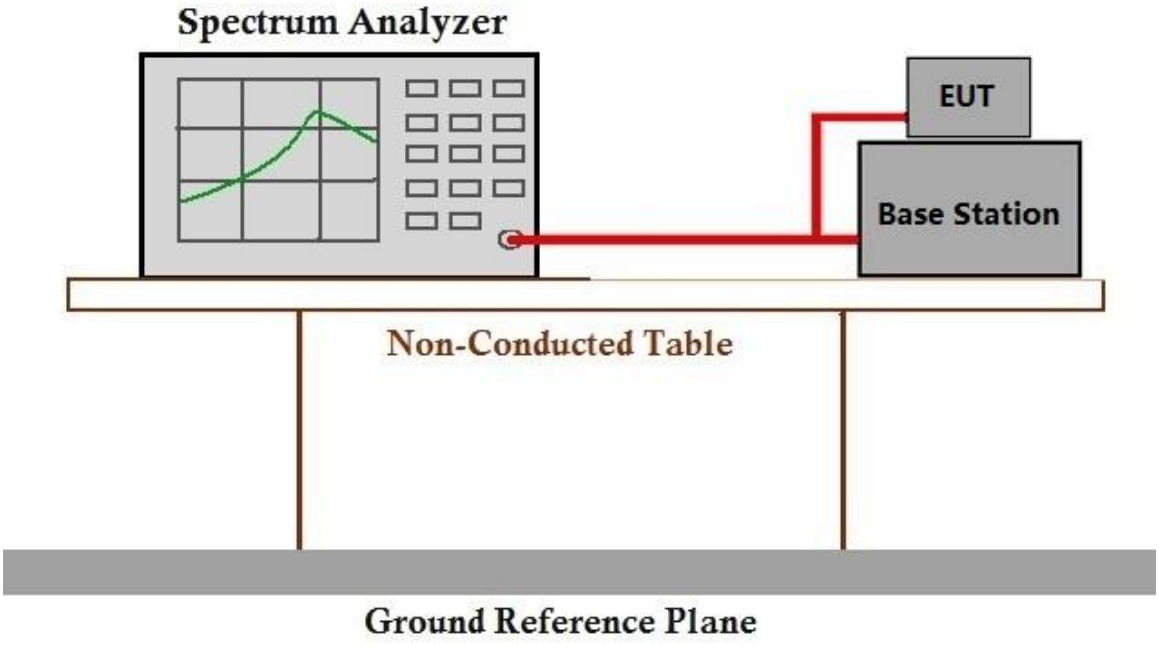
6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



6.5.3 Measurement Data

Please refer to Appendix for LTE test data.

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6.6 Field strength of spurious radiation

Test Requirement: §2.1051,§22.917,§24.238,§27.50(c),§27.50(g),§27.50(h),§27.50(m), §27.53(a),§27.53(n),§96.41(e),§90.691

Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01

Limit: ≤ -13dBm (**LTE Band2,4,5,12,66,71**)

For band 13:

(1) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(2) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations

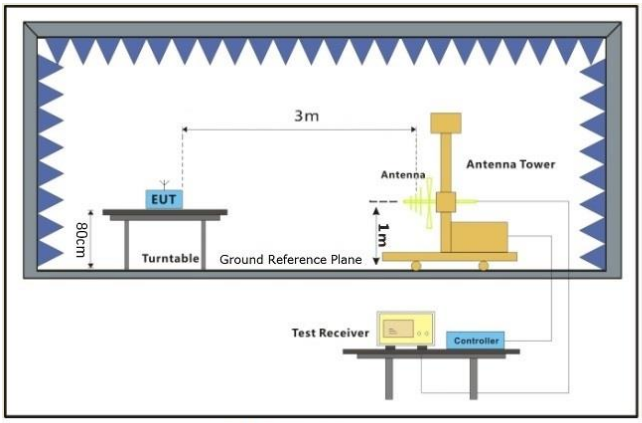
6.6.1 E.U.T. Operation

Operating Environment:

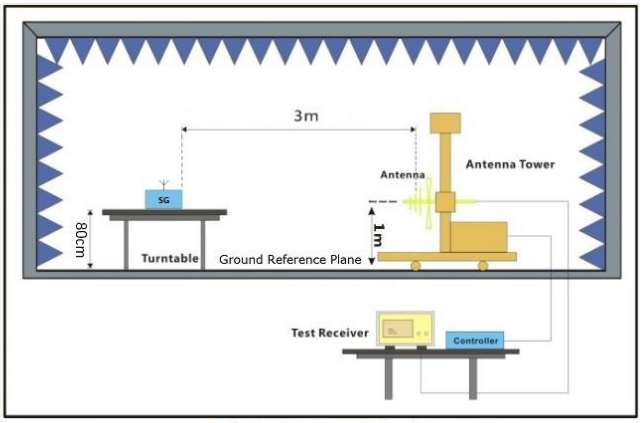
Temperature: 18.5 °C Humidity: 39.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 30: Tx mode, Keep the EUT in transmitting mode.

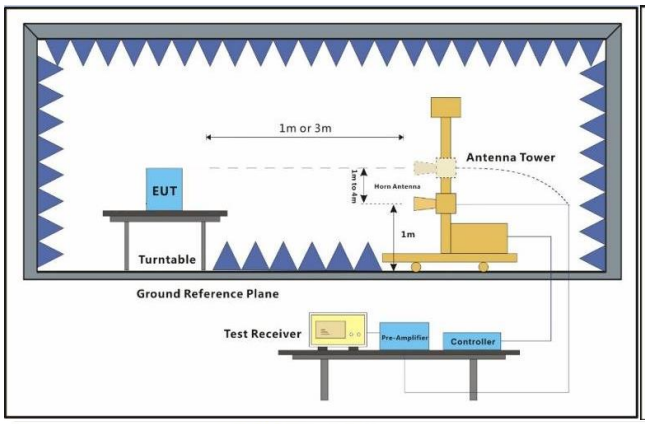
6.6.2 Test Setup Diagram



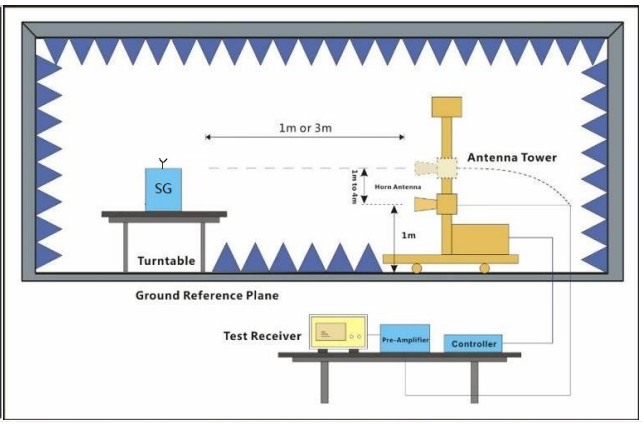
EUT



Substiute Antenna+Signal Generator



EUT



Substiute Antenna+Signal Generator

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6.6.3 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.

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LTE Band2, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3700.14	32.3	5.88	34.74	-61.04	-46.27	-13	-33.27	Horizontal	Pass
5550.21	34.6	7.75	34.52	-63.11	-44.27	-13	-31.27	Horizontal	Pass
7400.28	35.9	8.69	35.48	-60.25	-41.02	-13	-28.02	Horizontal	Pass
3700.14	32.3	5.88	34.74	-61.41	-46.64	-13	-33.64	Vertical	Pass
5550.21	34.6	7.75	34.52	-62.1	-43.26	-13	-30.26	Vertical	Pass
7400.28	35.9	8.69	35.48	-58.88	-39.65	-13	-26.65	Vertical	Pass

LTE Band2, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3758.74	32.55	5.96	34.72	-60.86	-45.71	-13	-32.71	Horizontal	Pass
5638.11	34.5	7.84	34.54	-62.24	-43.71	-13	-30.71	Horizontal	Pass
7517.48	36.04	8.8	35.51	-59.88	-40.57	-13	-27.57	Horizontal	Pass
3758.74	32.55	5.96	34.72	-62.33	-47.18	-13	-34.18	Vertical	Pass
5638.11	34.5	7.84	34.54	-63	-44.47	-13	-31.47	Vertical	Pass
7517.48	36.04	8.8	35.51	-60.09	-40.78	-13	-27.78	Vertical	Pass

LTE Band2, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3758.74	32.55	5.96	34.72	-62.33	-47.18	-13	-34.18	Horizontal	Pass
5638.11	34.5	7.84	34.54	-63	-44.47	-13	-31.47	Horizontal	Pass
7517.48	36.04	8.8	35.51	-60.09	-40.78	-13	-27.78	Horizontal	Pass
3817.34	32.77	6.04	34.71	-62.17	-46.69	-13	-33.69	Vertical	Pass
5726.01	34.5	7.92	34.56	-64.85	-46.54	-13	-33.54	Vertical	Pass
7634.68	36.17	8.9	35.53	-63.82	-44.14	-13	-31.14	Vertical	Pass

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LTE Band4, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3420.14	31.7	5.48	34.82	-46.09	-32.43	-13	-19.43	Horizontal	Pass
5130.21	34.04	7.34	34.41	-64.7	-46.25	-13	-33.25	Horizontal	Pass
6840.28	35.58	8.3	35.27	-54.57	-35.44	-13	-22.44	Horizontal	Pass
3420.14	31.7	5.48	34.82	-42.12	-28.46	-13	-15.46	Vertical	Pass
5130.21	34.04	7.34	34.41	-59.69	-41.24	-13	-28.24	Vertical	Pass
6840.28	35.58	8.3	35.27	-53.49	-34.36	-13	-21.36	Vertical	Pass

LTE Band4, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3463.74	31.73	5.54	34.81	-48.97	-35.23	-13	-22.23	Horizontal	Pass
5195.61	34	7.41	34.43	-65.26	-46.85	-13	-33.85	Horizontal	Pass
6927.48	35.66	8.31	35.34	-59.03	-39.73	-13	-26.73	Horizontal	Pass
3463.74	31.73	5.54	34.81	-39.81	-26.07	-13	-13.07	Vertical	Pass
5195.61	34	7.41	34.43	-62.27	-43.86	-13	-30.86	Vertical	Pass
6927.48	35.66	8.31	35.34	-54.34	-35.04	-13	-22.04	Vertical	Pass

LTE Band4, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3507.34	31.8	5.61	34.8	-46	-32.13	-13	-19.13	Horizontal	Pass
5261.01	34.04	7.48	34.45	-60.84	-42.4	-13	-29.4	Horizontal	Pass
7014.68	35.83	8.33	35.39	-51.97	-32.43	-13	-19.43	Horizontal	Pass
3507.34	31.8	5.61	34.8	-45.54	-31.67	-13	-18.67	Vertical	Pass
5261.01	34.04	7.48	34.45	-60.25	-41.81	-13	-28.81	Vertical	Pass
7014.68	35.83	8.33	35.39	-50.48	-30.94	-13	-17.94	Vertical	Pass

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LTE Band5, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1648.14	26.69	3.43	36.16	-46.87	-42.79	-13	-29.79	Horizontal	Pass
2472.21	29.23	4.33	35.17	-63.33	-54.14	-13	-41.14	Horizontal	Pass
3296.28	31.59	5.29	34.86	-60.58	-47.2	-13	-34.2	Horizontal	Pass
1648.14	26.69	3.43	36.16	-47.09	-43.01	-13	-30.01	Vertical	Pass
2472.21	29.23	4.33	35.17	-60.48	-51.29	-13	-38.29	Vertical	Pass
3296.28	31.59	5.29	34.86	-55.74	-42.36	-13	-29.36	Vertical	Pass

LTE Band5, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1671.74	26.74	3.46	36.1	-48.23	-43.99	-13	-30.99	Horizontal	Pass
2507.61	29.42	4.37	35.15	-61.94	-52.86	-13	-39.86	Horizontal	Pass
3343.48	31.6	5.36	34.85	-59.02	-45.58	-13	-32.58	Horizontal	Pass
1671.74	26.74	3.46	36.1	-47.41	-43.17	-13	-30.17	Vertical	Pass
2507.61	29.42	4.37	35.15	-61.3	-52.22	-13	-39.22	Vertical	Pass
3343.48	31.6	5.36	34.85	-56.55	-43.11	-13	-30.11	Vertical	Pass

LTE Band5, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1695.34	26.79	3.48	36.05	-48.87	-44.49	-13	-31.49	Horizontal	Pass
2543.01	29.49	4.4	35.14	-58.41	-49.14	-13	-36.14	Horizontal	Pass
3390.68	31.68	5.44	34.83	-56.68	-43.08	-13	-30.08	Horizontal	Pass
1695.34	26.79	3.48	36.05	-45.38	-41	-13	-28	Vertical	Pass
2543.01	29.49	4.4	35.14	-59.08	-49.81	-13	-36.81	Vertical	Pass
3390.68	31.68	5.44	34.83	-57.16	-43.56	-13	-30.56	Vertical	Pass

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LTE Band12, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1398.14	25	3.1	36.8	-62.88	-58.98	-13	-45.98	Horizontal	Pass
2097.21	28.49	3.93	35.35	-61.68	-55	-13	-42	Horizontal	Pass
2796.28	29.5	4.64	35.04	-64.64	-54.45	-13	-41.45	Horizontal	Pass
1398.14	25	3.1	36.8	-62.21	-58.31	-13	-45.31	Vertical	Pass
2097.21	28.49	3.93	35.35	-63.43	-56.75	-13	-43.75	Vertical	Pass
2796.28	29.5	4.64	35.04	-64.75	-54.56	-13	-41.56	Vertical	Pass

LTE Band12, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1413.74	25.06	3.12	36.76	-62.36	-58.76	-13	-45.76	Horizontal	Pass
2120.61	28.42	3.95	35.34	-63.11	-56.48	-13	-43.48	Horizontal	Pass
2827.48	29.61	4.66	35.02	-64.13	-53.72	-13	-40.72	Horizontal	Pass
1413.74	25.06	3.12	36.76	-62.23	-58.63	-13	-45.63	Vertical	Pass
2120.61	28.42	3.95	35.34	-63.08	-56.45	-13	-43.45	Vertical	Pass
2827.48	29.61	4.66	35.02	-64.13	-53.72	-13	-40.72	Vertical	Pass

LTE Band12, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1429.34	25.12	3.15	36.72	-61.23	-57.91	-13	-44.91	Horizontal	Pass
2144.01	28.32	3.98	35.32	-62.26	-55.7	-13	-42.7	Horizontal	Pass
2858.68	29.73	4.69	35.01	-64.69	-54.06	-13	-41.06	Horizontal	Pass
1429.34	25.12	3.15	36.72	-61.78	-58.46	-13	-45.46	Vertical	Pass
2144.01	28.32	3.98	35.32	-62.42	-55.86	-13	-42.86	Vertical	Pass
2858.68	29.73	4.69	35.01	-63.84	-53.21	-13	-40.21	Vertical	Pass

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LTE Band13, Modulation: QPSK, Bandwidth: 5MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1554.5	25.95	3.31	36.39	-61.5	-58.62	-13	-45.62	Horizontal	Pass
2331.75	28.53	4.19	35.23	-62.04	-55.07	-13	-42.07	Horizontal	Pass
3109	31.4	4.99	34.92	-62.99	-50.07	-13	-37.07	Horizontal	Pass
1554.5	25.95	3.31	36.39	-59.81	-56.93	-13	-43.93	Vertical	Pass
2331.75	28.53	4.19	35.23	-63.11	-56.14	-13	-43.14	Vertical	Pass
3109	31.4	4.99	34.92	-62.96	-50.04	-13	-37.04	Vertical	Pass

LTE Band13, Modulation: 16QAM, Bandwidth: 5MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1559.5	26.02	3.32	36.38	-60.22	-57.24	-40	-17.24	Horizontal	Pass
2339.25	28.56	4.2	35.23	-62.45	-55.45	-13	-42.45	Horizontal	Pass
3119	31.4	5.01	34.92	-63.05	-50.11	-13	-37.11	Horizontal	Pass
1559.5	26.02	3.32	36.38	-55.42	-52.44	-40	-12.44	Vertical	Pass
2339.25	28.56	4.2	35.23	-61.14	-54.14	-13	-41.14	Vertical	Pass
3119	31.4	5.01	34.92	-64.17	-51.23	-13	-38.23	Vertical	Pass

LTE Band13, Modulation: 64QAM, Bandwidth: 5MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1564.5	26.08	3.32	36.36	-61.63	-58.57	-40	-18.57	Horizontal	Pass
2346.75	28.59	4.2	35.23	-63.01	-55.98	-13	-42.98	Horizontal	Pass
3129	31.4	5.03	34.92	-63.66	-50.71	-13	-37.71	Horizontal	Pass
1564.5	26.08	3.32	36.36	-59.95	-56.89	-40	-16.89	Vertical	Pass
2346.75	28.59	4.2	35.23	-62.8	-55.77	-13	-42.77	Vertical	Pass
3129	31.4	5.03	34.92	-63.55	-50.6	-13	-37.6	Vertical	Pass

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LTE Band66, Modulation: QPSK, Bandwidth: 1.4MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3420.14	31.7	5.48	34.82	-41.76	-28.1	-13	-15.1	Horizontal	Pass
5130.21	34.04	7.34	34.41	-56.63	-38.18	-13	-25.18	Horizontal	Pass
6840.28	35.58	8.3	35.27	-52.17	-33.04	-13	-20.04	Horizontal	Pass
3420.14	31.7	5.48	34.82	-38.57	-24.91	-13	-11.91	Vertical	Pass
5130.21	34.04	7.34	34.41	-58.81	-40.36	-13	-27.36	Vertical	Pass
6840.28	35.58	8.3	35.27	-49.73	-30.6	-13	-17.6	Vertical	Pass

LTE Band66, Modulation: 16QAM, Bandwidth: 1.4MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3463.74	31.73	5.54	34.81	-43.06	-29.32	-13	-16.32	Horizontal	Pass
5195.61	34	7.41	34.43	-54.94	-36.53	-13	-23.53	Horizontal	Pass
6927.48	35.66	8.31	35.34	-47.79	-28.49	-13	-15.49	Horizontal	Pass
3463.74	31.73	5.54	34.81	-36.66	-22.92	-13	-9.92	Vertical	Pass
5195.61	34	7.41	34.43	-58.03	-39.62	-13	-26.62	Vertical	Pass
6927.48	35.66	8.31	35.34	-49.02	-29.72	-13	-16.72	Vertical	Pass

LTE Band66, Modulation: 64QAM, Bandwidth: 1.4MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3507.34	31.8	5.61	34.8	-42.79	-28.92	-13	-15.92	Horizontal	Pass
5261.01	34.04	7.48	34.45	-54.1	-35.66	-13	-22.66	Horizontal	Pass
7014.68	35.83	8.33	35.39	-41.7	-22.16	-13	-9.16	Horizontal	Pass
3507.34	31.8	5.61	34.8	-38.92	-25.05	-13	-12.05	Vertical	Pass
5261.01	34.04	7.48	34.45	-51.29	-32.85	-13	-19.85	Vertical	Pass
7014.68	35.83	8.33	35.39	-45.77	-26.23	-13	-13.23	Vertical	Pass

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LTE Band71, Modulation: QPSK, Bandwidth: 5MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1326.5	24.81	3	37.01	-47.52	-42.14	-13	-29.14	Horizontal	Pass
1989.75	28.02	3.8	35.42	-61.69	-55.59	-13	-42.59	Horizontal	Pass
2653	29.59	4.51	35.09	-62.1	-52.31	-13	-39.31	Horizontal	Pass
1326.5	24.81	3	37.01	-48.08	-42.7	-13	-29.7	Vertical	Pass
1989.75	28.02	3.8	35.42	-63.76	-57.66	-13	-44.66	Vertical	Pass
2653	29.59	4.51	35.09	-61.63	-51.84	-13	-38.84	Vertical	Pass

LTE Band71, Modulation: 16QAM, Bandwidth: 5MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1356.5	24.91	3.04	36.92	-46.18	-41.41	-13	-28.41	Horizontal	Pass
2034.75	28.31	3.85	35.38	-64.79	-58.36	-13	-45.36	Horizontal	Pass
2713	29.5	4.56	35.07	-63.14	-53.24	-13	-40.24	Horizontal	Pass
1356.5	24.91	3.04	36.92	-46.95	-42.18	-13	-29.18	Vertical	Pass
2034.75	28.31	3.85	35.38	-63.36	-56.93	-13	-43.93	Vertical	Pass
2713	29.5	4.56	35.07	-62.3	-52.4	-13	-39.4	Vertical	Pass

LTE Band71, Modulation: 64QAM, Bandwidth: 5MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1386.5	24.97	3.09	36.84	-46.13	-42	-13	-29	Horizontal	Pass
2079.75	28.46	3.91	35.36	-63.41	-56.78	-13	-43.78	Horizontal	Pass
2773	29.5	4.62	35.05	-61.38	-51.27	-13	-38.27	Horizontal	Pass
1386.5	24.97	3.09	36.84	-46.99	-42.86	-13	-29.86	Vertical	Pass
2079.75	28.46	3.91	35.36	-62.72	-56.09	-13	-43.09	Vertical	Pass
2773	29.5	4.62	35.05	-62.1	-51.99	-13	-38.99	Vertical	Pass

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CA2A-12A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1328	24.81	3	37.01	-47.52	-42.18	-13	-29.18	Horizontal	Pass
1992	28.04	3.8	35.42	-62.65	-56.54	-13	-43.54	Horizontal	Pass
2656	29.59	4.51	35.09	-62.71	-52.92	-13	-39.92	Horizontal	Pass
1328	24.81	3	37.01	-47.46	-42.12	-13	-29.12	Vertical	Pass
1992	28.04	3.8	35.42	-62.18	-56.07	-13	-43.07	Vertical	Pass
2656	29.59	4.51	35.09	-62.43	-52.64	-13	-39.64	Vertical	Pass

CA2A-12A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1348	24.89	3.03	36.95	-47.89	-42.95	-13	-29.95	Horizontal	Pass
2022	28.23	3.84	35.39	-62.81	-56.47	-13	-43.47	Horizontal	Pass
2696	29.51	4.55	35.08	-63.07	-53.22	-13	-40.22	Horizontal	Pass
1348	24.89	3.03	36.95	-47.07	-42.13	-13	-29.13	Vertical	Pass
2022	28.23	3.84	35.39	-63.03	-56.69	-13	-43.69	Vertical	Pass
2696	29.51	4.55	35.08	-62.72	-52.87	-13	-39.87	Vertical	Pass

CA2A-12A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
1358	24.92	3.04	36.92	-47.18	-42.44	-13	-29.44	Horizontal	Pass
2037	28.32	3.86	35.38	-60.86	-54.41	-13	-41.41	Horizontal	Pass
2716	29.5	4.56	35.07	-62.51	-52.6	-13	-39.6	Horizontal	Pass
1358	24.92	3.04	36.92	-46.44	-41.7	-13	-28.7	Vertical	Pass
2037	28.32	3.86	35.38	-63.79	-57.34	-13	-44.34	Vertical	Pass
2716	29.5	4.56	35.07	-64.12	-54.21	-13	-41.21	Vertical	Pass

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CA12A-66A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: Low, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3422	31.7	5.48	34.82	-38.62	-24.96	-13	-11.96	Horizontal	Pass
5133	34.03	7.35	34.41	-57.55	-39.1	-13	-26.1	Horizontal	Pass
6844	35.59	8.3	35.28	-51.55	-32.41	-13	-19.41	Horizontal	Pass
3422	31.7	5.48	34.82	-37.59	-23.93	-13	-10.93	Vertical	Pass
5133	34.03	7.35	34.41	-60.57	-42.12	-13	-29.12	Vertical	Pass
6844	35.59	8.3	35.28	-53.89	-34.75	-13	-21.75	Vertical	Pass

CA12A-66A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: Middle, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3447	31.7	5.52	34.82	-38.57	-24.89	-13	-11.89	Horizontal	Pass
5170.5	34	7.38	34.42	-59	-40.59	-13	-27.59	Horizontal	Pass
6894	35.6	8.3	35.31	-52.14	-32.93	-13	-19.93	Horizontal	Pass
3447	31.7	5.52	34.82	-38.31	-24.63	-13	-11.63	Vertical	Pass
5170.5	34	7.38	34.42	-59.22	-40.81	-13	-27.81	Vertical	Pass
6894	35.6	8.3	35.31	-49.98	-30.77	-13	-17.77	Vertical	Pass

CA12A-66A, Modulation: QPSK, Bandwidth: 20MHZ& 20MHZ, Channel: High, 1 RB0									
Frequency (MHz)	LISN_ Factor (dB)	Cable_ Loss (dB)	Preamp_ Gain (dB)	Read_ Level (dBm)	Level (dBm)	Limit_ Line (dBm)	Over - 13DBM	Polarization (H/V)	Result
3472	31.74	5.56	34.81	-37.95	-24.19	-13	-11.19	Horizontal	Pass
5208	34	7.42	34.43	-56.6	-38.19	-13	-25.19	Horizontal	Pass
6944	35.69	8.31	35.35	-54.08	-34.73	-13	-21.73	Horizontal	Pass
3472	31.74	5.56	34.81	-37.73	-23.97	-13	-10.97	Vertical	Pass
5208	34	7.42	34.43	-59.52	-41.11	-13	-28.11	Vertical	Pass
6944	35.69	8.31	35.35	-49.91	-30.56	-13	-17.56	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.

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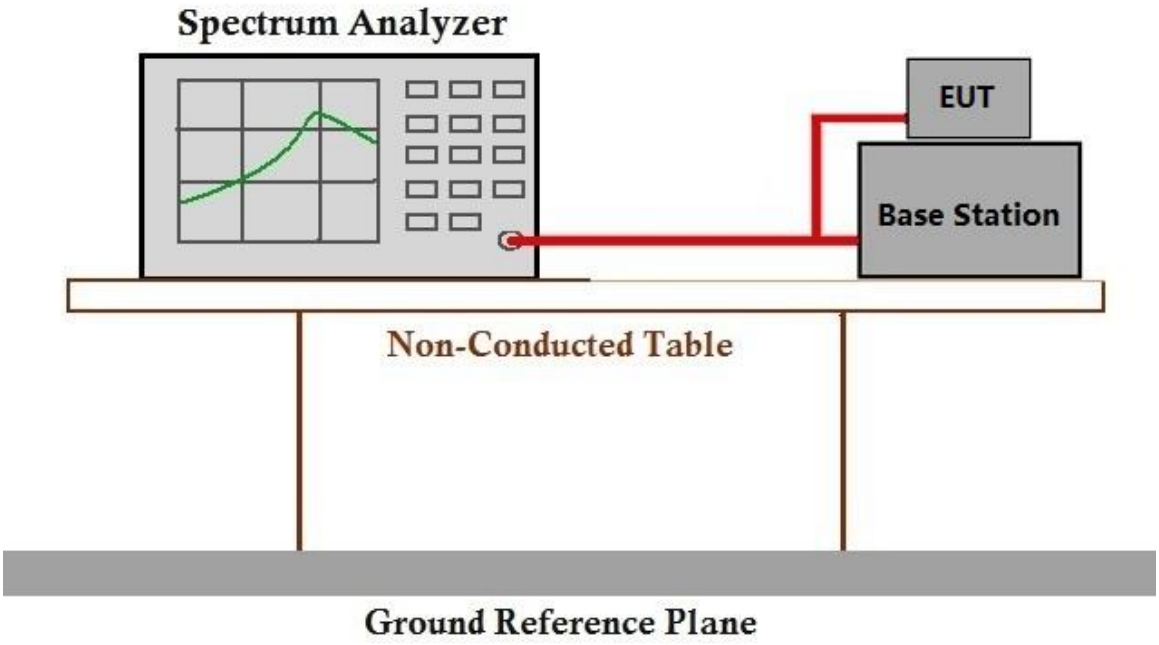
6.7 Frequency stability

Test Requirement: §2.1055,§22.355,§24.235,§27.54
Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
Limit: ≤ ±2.5ppm.

6.7.1 E.U.T. Operation

Operating Environment:
Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.7.2 Test Setup Diagram



6.7.3 Measurement Data

Please refer to Appendix for LTE test data.

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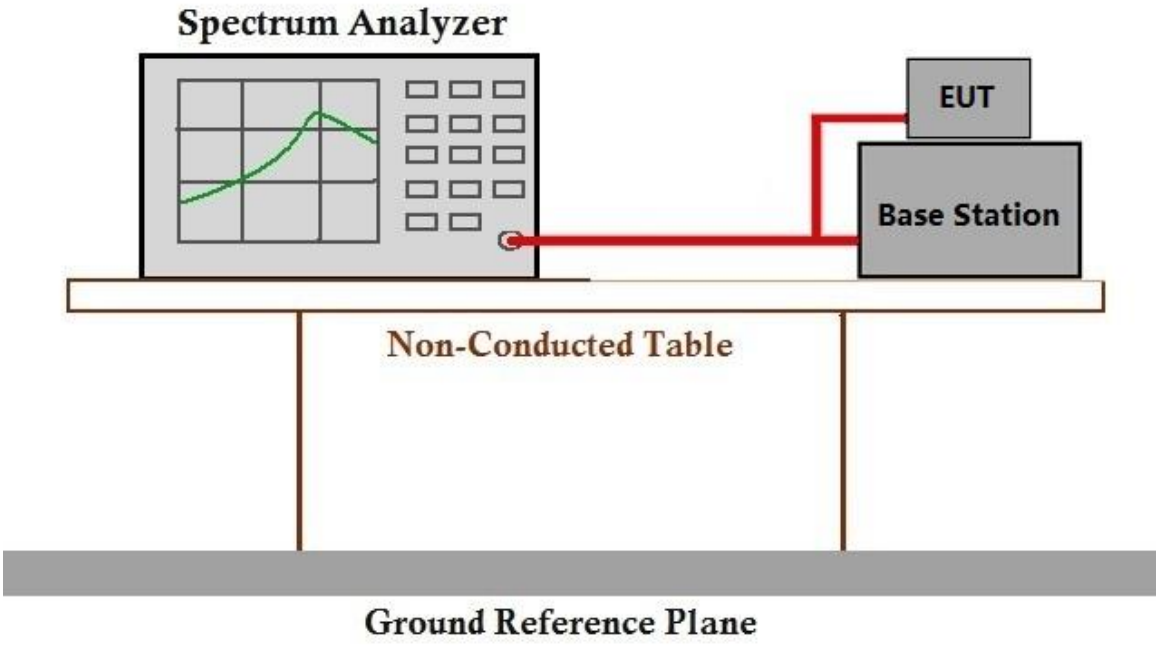
6.8 Modulation Characteristics

Test Requirement: §2.1047
Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01
Limit: Digital modulation

6.8.1 E.U.T. Operation

Operating Environment:
Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar
Test mode 30: Tx mode, Keep the EUT in transmitting mode.

6.8.2 Test Setup Diagram



6.8.3 Measurement Data

Pass, it's a digital modulation device.

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7 Test Setup Photo

Refer to Appendix – SetupPhoto for SZCR2303000745AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2303000745AT

- End of the Report -

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