



## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240500161403

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# TEST REPORT

**Application No.:** SZCR2405001614AT  
**Applicant:** Segway Technology Co., Ltd.  
**Address of Applicant:** No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, 213100 China  
**Manufacturer:** Segway Technology Co., Ltd.  
**Address of Manufacturer:** No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, 213100 China  
**Factory:** Shenzhen Omni Intelligent Technology Co., LTD.  
**Address of Factory:** 11th Floor, Building 31, Phase III, Lianchuang Technology Park, Nanwan Street, Longgang District, Shenzhen, Guang Dong, China  
**Equipment Under Test (EUT):**  
**EUT Name:** T-BOX  
**Model No.:** NB-ORBOXC14  
**Trade Mark:** Segway  
**FCC ID:** 2BGR3-OR0002  
**Standard(s) :** 47 CFR Part 2  
47 CFR Part 24 subpart E  
47 CFR Part 27 subpart C  
**Date of Receipt:** 2024-05-06  
**Date of Test:** 2024-05-14 to 2024-06-05  
**Date of Issue:** 2024-06-08

<b>Test Result:</b>	<b>Pass</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Keny Xu  
EMC Laboratory Manager



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Shenzhen Branch Technical Services Laboratory

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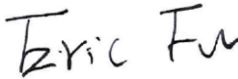
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-06-08		Original

Authorized for issue by:				
				
		Vincent Chen/Project Engineer		
				
		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 §24.232 §27.50(c) §27.50(d)	EIRP≤ 2W(LTE Band 2) ERP≤ 3W(LTE Band 12) EIRP≤ 1W(LTE Band 4)	PASS
Peak-Average Ratio	§24.232 §27.50(a) §27.50(d)	≤13dB	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §24.238 §27.50(g) §27.50(h)	≤ -13dBm (LTE Band2) ≤ -13dBm (LTE Band12) ≤ -13dBm (LTE Band4)	PASS
Spurious emissions at antenna terminals	§2.1051 §24.238 §27.50(g) §27.50(h)	≤ -13dBm (LTE Band2) ≤ -13dBm (LTE Band12) ≤ -13dBm (LTE Band4)	PASS
Field strength of spurious radiation	§2.1051 §24.238 §27.50(g) §27.50(h)	≤ -13dBm (LTE Band2) ≤ -13dBm (LTE Band12) ≤ -13dBm (LTE Band4)	PASS
Frequency stability	§2.1055 §24.235 §27.54	≤ ±2.5ppm.	PASS



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	DC 12V Input
Cable Loss (for RF conducted test):	0.7dB(below 1GHz), 1dB(above 1GHz)
Sample Type:	Mobile production
LTE Operation Frequency Band:	LTE FDD Band 2,4,12
Modulation Type:	QPSK, 16QAM
LTE Power Class:	Level 3
Antenna Type:	PIFA Antenna
Antenna Gain:	B2: -1.25dBi, B4: -0.86dBi, B12: -0.72dBi
Note:	The device supports Cat 1. the maximum number of RB supported by 16QAM is 27RB.

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



## 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	1751.5
	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 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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## 4.3 Test Environment

Environment Parameter	Selected Values During Tests	
Temperature:	TL	-10°C
	TN	+20°C
	TH	+50°C
Voltage:	VL	10.8Vdc
	VN	12 Vdc
	VH	13.2Vdc

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

The EUT has been tested independent unit.

## 4.5 Measurement Uncertainty

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



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### 4.6 Test Location

All tests were performed at:

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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 conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2023-07-11	2024-07-10
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18
Spectrum Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2024-03-15	2025-03-14
Measurement Software	TST	TST PASS V2.0	N-A	N-A	N-A
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-07-11	2024-07-10
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2024-03-14	2025-03-13
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2024-03-15	2025-03-14

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021-09-25	2024-09-24
MXE EMI receiver	Agilent	N9038A	SEM004-05	2023-07-11	2024-07-10
Pre-amplifier	HP	8447D	SEM005-02	2023-07-11	2024-07-10
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2023-07-11	2024-07-10
Low Noise Amplifier	CLAVIIO	BDLNA-0118-352810	SEM005-05	2023-07-11	2024-07-10
Substitution Antenna	Schwarzbeck	VULB9168	SEM003-18	2022-08-07	2025-08-06
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2023-07-11	2024-07-10
Pre-amplifier	HP	8447D	SEM005-02	2023-07-11	2024-07-10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021-07-11	2024-07-10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021-09-26	2024-09-25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021-09-25	2024-09-24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2023-07-11	2024-07-10
Low Noise Amplifier	CLAVIIO	BDLNA-0118-352810	SEM005-05	2023-07-11	2024-07-10



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Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-07-11	2024-07-10
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2023-07-11	2024-07-10
Substitution Antenna	ETS-Lindgren	3142C	SEM003-01	2023-06-25	2026-06-24
Universal Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-03	2024-03-14	2025-03-13

### General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity- Temperature Indicator	deli	8838	SEM002-32	2023-07-28	2024-07-27
Humidity- Temperature Indicator	deli	8838	SEM002-33	2023-07-28	2024-07-27
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17



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## 6 Radio Spectrum Matter Test Results

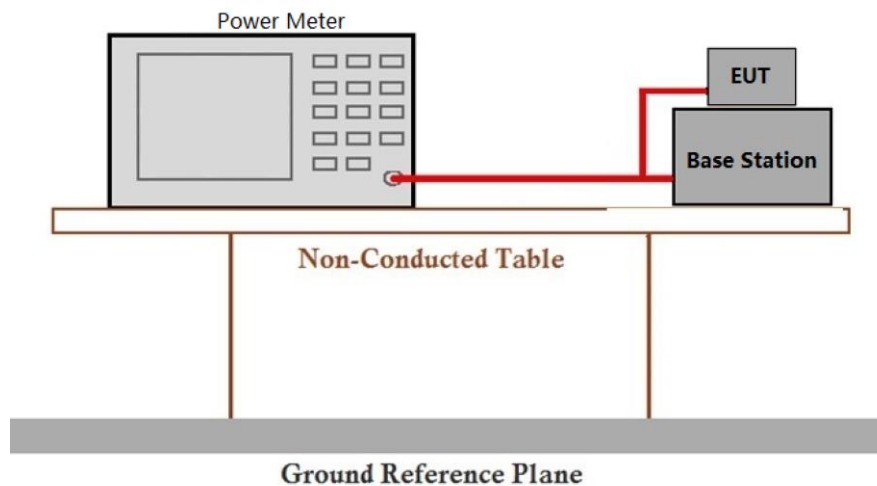
### 6.1 Effective (Isotropic) Radiated Output Power Data

Test Requirement: §2.1046, §24.232, §27.50(c), §27.50(d)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: EIRP ≤ 2W (LTE Band 2)  
 ERP ≤ 3W (LTE Band 12)  
 EIRP ≤ 1W (LTE Band 4)

#### 6.1.1 E.U.T. Operation

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar  
 Test mode 32: 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.



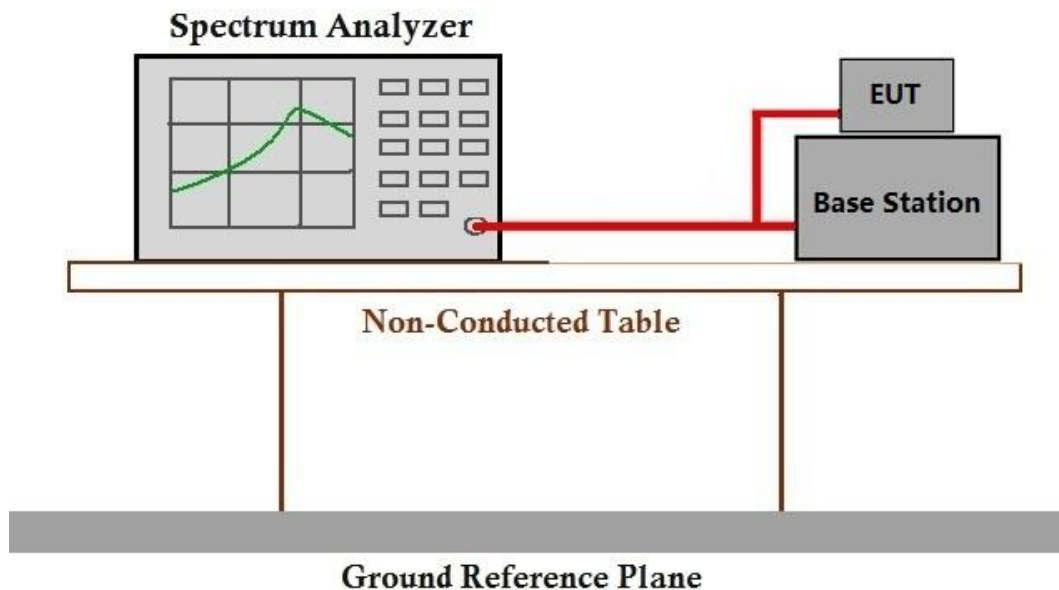
### 6.2 Peak-Average Ratio

Test Requirement: §24.232, §27.50(a), §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 32: 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.



### 6.3 Bandwidth

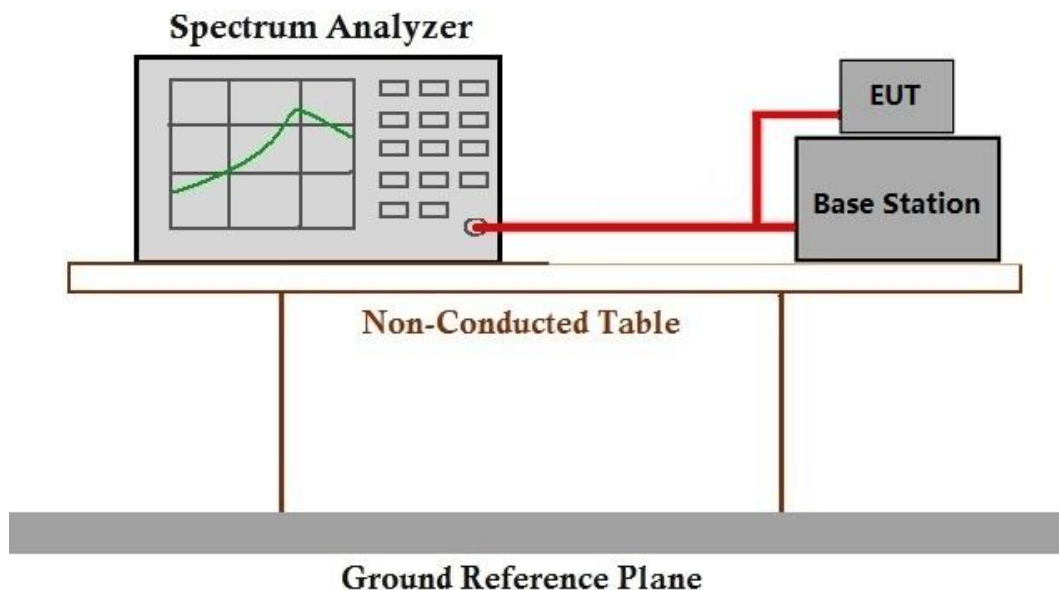
Test Requirement: §2.1049(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: OBW: No limit  
 EBW: No limit

#### 6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar  
 Test mode 32: 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.

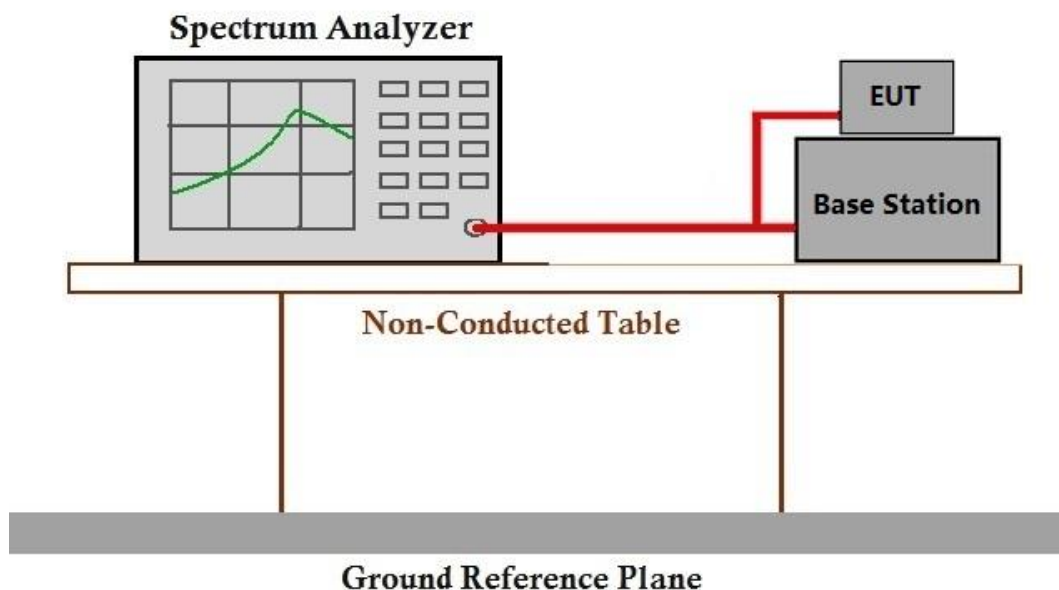
### 6.4 Band Edge Compliance

Test Requirement: §2.1051, §24.238, §27.50(h), §27.50(g)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: ≤ -13dBm (LTE Band2,4,12)

#### 6.4.1 E.U.T. Operation

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar  
 Test mode 32: 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.

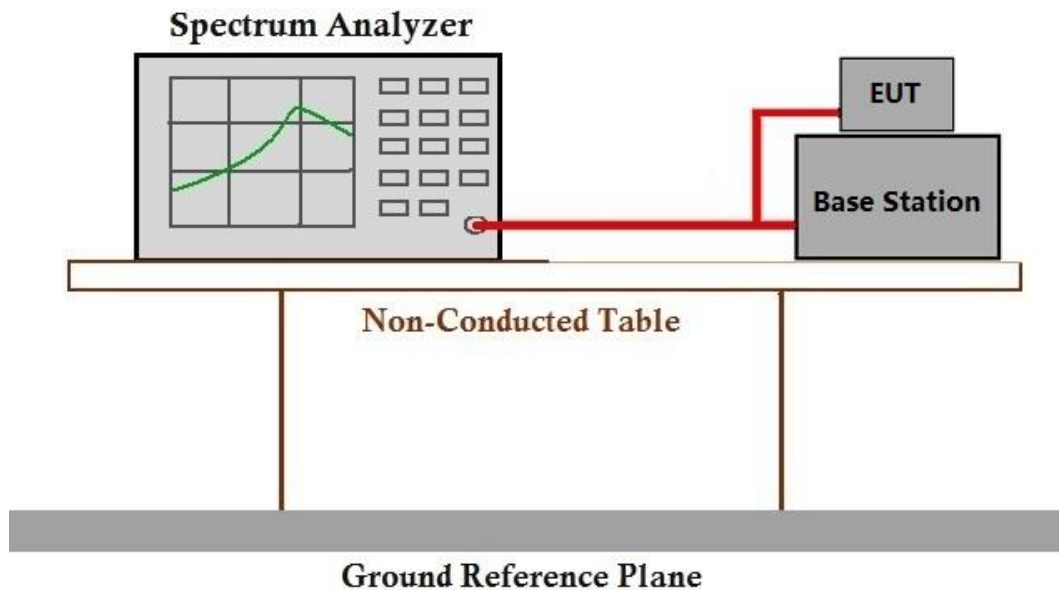
### 6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §24.238, §27.50(g), §27.50(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}$  (LTE B2/4/12)

#### 6.5.1 E.U.T. Operation

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar  
 Test mode 32: 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, §24.238, §27.50(g), §27.50(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}$  (LTE B2/4/12)

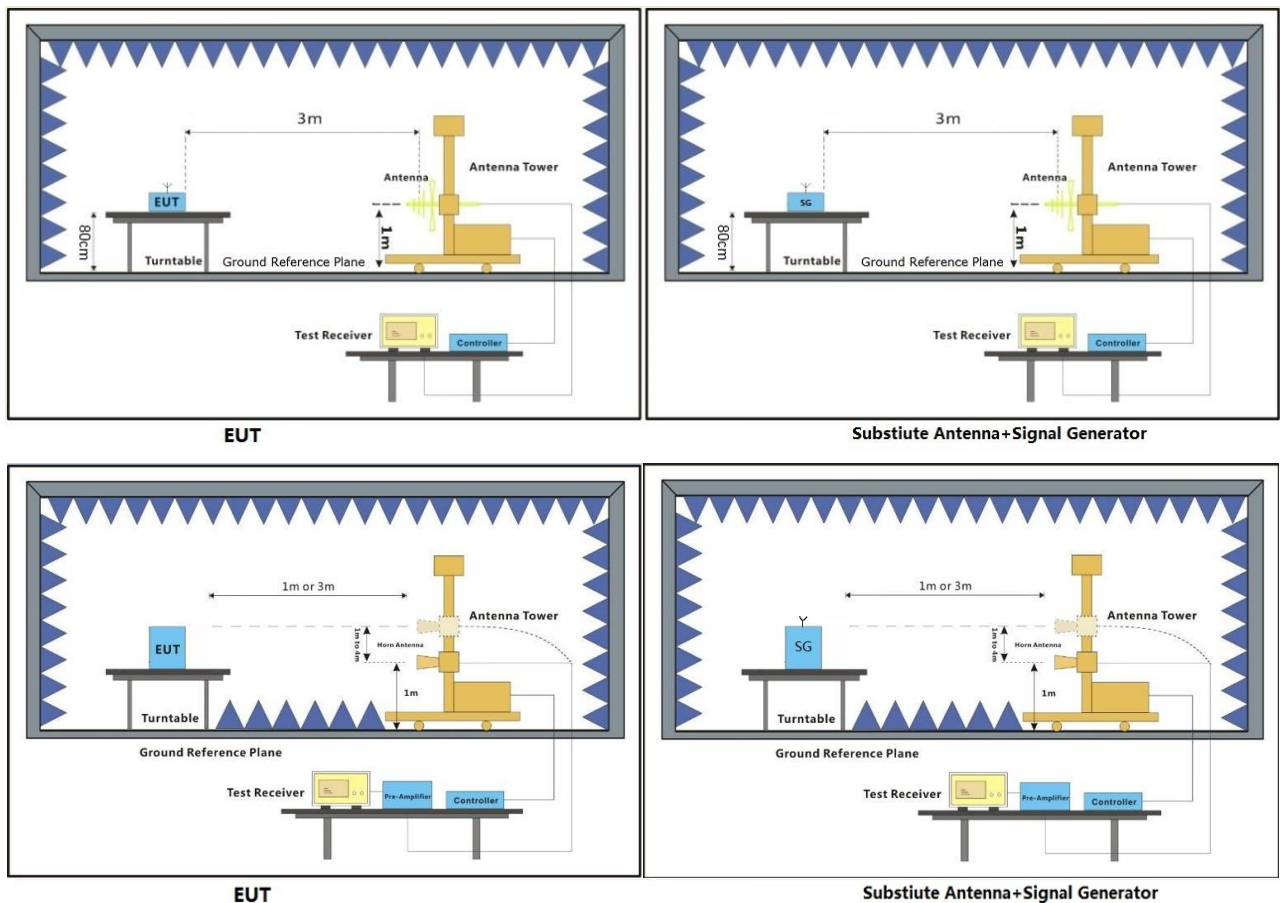
#### 6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C Humidity: 47.5 % RH Atmospheric Pressure: 1020 mbar

Test mode 32: TX mode\_Keep the EUT in transmitting mode

#### 6.6.2 Test Setup Diagram





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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 then 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 Band 2-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3702.0	-55.31	-13	-42.31	-60.33	3.42	8.44	Horizontal	Pass
5553.0	-52.75	-13	-39.75	-58.96	4.24	10.45	Horizontal	Pass
7404.0	-50.07	-13	-37.07	-57.48	4.21	11.62	Horizontal	Pass
3702.0	-56.2	-13	-43.2	-61.22	3.42	8.44	Vertical	Pass
5553.0	-53.39	-13	-40.39	-59.6	4.24	10.45	Vertical	Pass
7404.0	-50.4	-13	-37.4	-57.81	4.21	11.62	Vertical	Pass

LTE Band 2-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3742.0	-56.64	-13	-43.64	-61.68	3.45	8.49	Horizontal	Pass
5613.0	-52.83	-13	-39.83	-59.04	4.24	10.45	Horizontal	Pass
7484.0	-49.35	-13	-36.35	-56.85	4.22	11.72	Horizontal	Pass
3742.0	-55.96	-13	-42.96	-61.0	3.45	8.49	Vertical	Pass
5613.0	-53.61	-13	-40.61	-59.82	4.24	10.45	Vertical	Pass
7484.0	-48.04	-13	-35.04	-55.54	4.22	11.72	Vertical	Pass

LTE Band 2-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3782.0	-55.4	-13	-42.4	-60.47	3.48	8.55	Horizontal	Pass
5673.0	-54.59	-13	-41.59	-60.81	4.23	10.45	Horizontal	Pass
7564.0	-48.62	-13	-35.62	-56.22	4.22	11.82	Horizontal	Pass
3782.0	-55.45	-13	-42.45	-60.52	3.48	8.55	Vertical	Pass
5673.0	-53.98	-13	-40.98	-60.2	4.23	10.45	Vertical	Pass
7564.0	-49.94	-13	-36.94	-57.54	4.22	11.82	Vertical	Pass



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LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-56.0	-13	-43.0	-60.74	3.24	7.98	Horizontal	Pass
5133.0	-53.53	-13	-40.53	-59.5	4.25	10.22	Horizontal	Pass
6844.0	-51.21	-13	-38.21	-57.95	4.19	10.93	Horizontal	Pass
3422.0	-56.35	-13	-43.35	-61.09	3.24	7.98	Vertical	Pass
5133.0	-53.69	-13	-40.69	-59.66	4.25	10.22	Vertical	Pass
6844.0	-51.45	-13	-38.45	-58.19	4.19	10.93	Vertical	Pass

LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-56.65	-13	-43.65	-61.43	3.26	8.04	Horizontal	Pass
5170.5	-52.59	-13	-39.59	-58.59	4.25	10.25	Horizontal	Pass
6894.0	-51.34	-13	-38.34	-58.14	4.19	10.99	Horizontal	Pass
3447.0	-57.14	-13	-44.14	-61.92	3.26	8.04	Vertical	Pass
5170.5	-53.26	-13	-40.26	-59.26	4.25	10.25	Vertical	Pass
6894.0	-52.5	-13	-39.5	-59.3	4.19	10.99	Vertical	Pass

LTE Band 4-High channel, Modulation: QPSK, Bandwidth: 20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-57.14	-13	-44.14	-61.97	3.27	8.1	Horizontal	Pass
5208.0	-54.07	-13	-41.07	-60.09	4.25	10.27	Horizontal	Pass
6944.0	-50.09	-13	-37.09	-56.96	4.19	11.06	Horizontal	Pass
3472.0	-56.84	-13	-43.84	-61.67	3.27	8.1	Vertical	Pass
5208.0	-53.83	-13	-40.83	-59.85	4.25	10.27	Vertical	Pass
6944.0	-49.74	-13	-36.74	-56.61	4.19	11.06	Vertical	Pass



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LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.0	-65.56	-13	-52.56	-68.87	1.93	5.24	Horizontal	Pass
2098.5	-64.52	-13	-51.52	-66.97	2.41	4.86	Horizontal	Pass
2798.0	-61.32	-13	-48.32	-64.96	2.84	6.48	Horizontal	Pass
1399.0	-64.99	-13	-51.99	-68.3	1.93	5.24	Vertical	Pass
2098.5	-64.33	-13	-51.33	-66.78	2.41	4.86	Vertical	Pass
2798.0	-61.48	-13	-48.48	-65.12	2.84	6.48	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1406.0	-66.33	-13	-53.33	-69.68	1.93	5.28	Horizontal	Pass
2109.0	-64.17	-13	-51.17	-66.63	2.42	4.88	Horizontal	Pass
2812.0	-61.19	-13	-48.19	-64.85	2.85	6.51	Horizontal	Pass
1406.0	-66.24	-13	-53.24	-69.59	1.93	5.28	Vertical	Pass
2109.0	-63.79	-13	-50.79	-66.25	2.42	4.88	Vertical	Pass
2812.0	-60.92	-13	-47.92	-64.58	2.85	6.51	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1413.0	-66.2	-13	-53.2	-69.59	1.94	5.33	Horizontal	Pass
2119.5	-64.38	-13	-51.38	-66.87	2.42	4.91	Horizontal	Pass
2826.0	-60.28	-13	-47.28	-63.96	2.86	6.54	Horizontal	Pass
1413.0	-66.13	-13	-53.13	-69.52	1.94	5.33	Vertical	Pass
2119.5	-64.4	-13	-51.4	-66.89	2.42	4.91	Vertical	Pass
2826.0	-60.21	-13	-47.21	-63.89	2.86	6.54	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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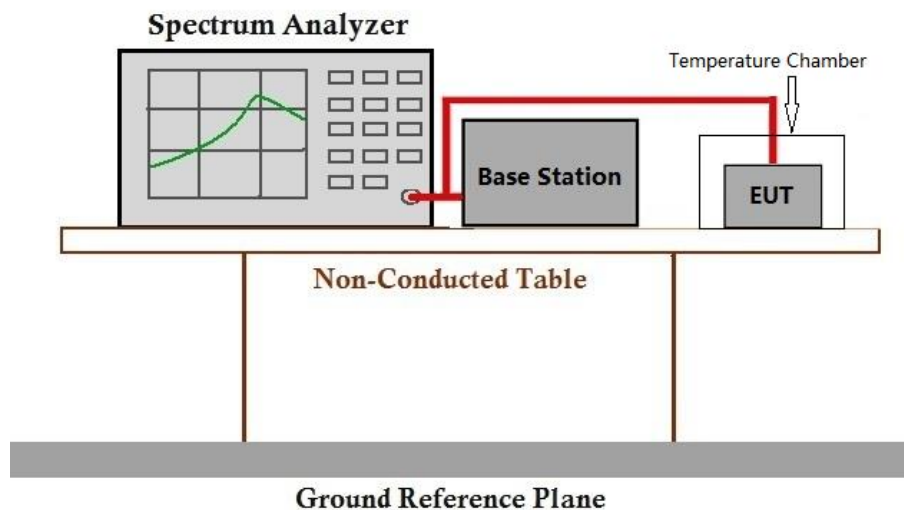
### 6.7 Frequency stability

Test Requirement: \$2.1055, \$24.235, \$27.54  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq \pm 2.5\text{ppm}$ .

#### 6.7.1 E.U.T. Operation

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar  
 Test mode 32: 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.



## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2405001614AT

## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2405001614AT

- End of the Report -