

# TEST REPORT

**Application No.:** SZCR2309003223AT  
**Applicant:** Cosmo Technologies, Inc.  
**Address of Applicant:** 747 Grape St, Denver, Colorado 80220 United States  
**Manufacturer:** Shenzhen Qinmi Smart Technology Co., Ltd.  
**Address of Manufacturer:** 4rd floor, Building 09, Tongfuyu Industrial Park, Lezhujiao Village, Xixiang, Baoan, Shenzhen  
**Equipment Under Test (EUT):**  
**EUT Name:** COSMO JrTrack Kids Smartwatch  
**Model No.:** JRTV3  
**Trade Mark:** JrTrack  
**FCC ID:** 2A3RL-JRTRACK03  
**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:** 2023-09-28  
**Date of Test:** 2023-10-12 to 2023-10-18  
**Date of Issue:** 2023-11-02

<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



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

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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-11-02		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		

## 2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913, §24.232 §27.50(d)	ERP≤7W(WCDMA band V) EIRP≤2W(WCDMA band II) EIRP≤1W(WCDMA Band IV)	PASS
Peak-Average Ratio	§22.913 §24.232 §27.50(d)	≤13dB	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051, §22.917, §24.238 §27.53(h)	≤ -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, §24.238 §27.53(h)	≤ -13dBm	PASS
Field strength of spurious radiation	§2.1051, §22.917, §24.238 §27.53(h)	≤ -13dBm	PASS
Frequency stability	§2.1055, §22.355, §24.235 §27.54	≤ ±2.5ppm.	PASS



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## 4 General Information

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

Power supply:	DC3.8V by li-ion battery(680mAh) Battery M/N:602831 Battery Manufacturer:Shenzhen Ruiyixin Energy Co., Ltd. Recharged Input: DC5V from USB port
Cable(s):	USB cable: 0.5m unshielded cable without ferrite core
Cable Loss (for RF conducted test):	0.5dBi
Sample Type:	Portable production
Support Network:	RMC, HSDPA, HSUPA
Operation Frequency Band:	UMTS FDD Band II/IV/V
Modulation Type:	QPSK for WCDMA
Supported Channel Bandwidth:	5MHz for WCDMA
UMTS Power Class:	Level 3
Antenna Type:	PIFA Antenna
Antenna Gain:	WCDMA Band II: -1.72dBi, WCDMA Band IV: -1.63dBi, WCDMA Band V: -6.5dBi



## 4.2 Test Frequency

Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band V	TX	Channel 4132	Channel 4183	Channel 4233
		826.4 MHz	836.6 MHz	846.6 MHz
Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band IV	TX	Channel 1312	Channel 1413	Channel 1513
		1712.4 MHz	1732.6 MHz	1752.6 MHz
Test Mode	TX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band II	TX	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz

## 4.3 Test Environment

Environment Parameter	Selected Values During Tests	
Temperature:	TL	-30°C
	TN	+20°C
	TH	+50°C
Voltage:	VL	3.4 Vdc
	VN	3.8 Vdc
	VH	4.35 Vdc

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 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	2023-05-06	2024-05-05
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2023-04-06	2024-04-05
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2023-04-06	2024-04-05
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2023-04-06	2024-04-05
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-04-06	2024-04-05
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06

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	2023-04-06	2024-04-05
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2023-09-16	2025-09-15
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	2023-09-14	2024-09-13
Microwave System Amplifier(0.5-26.5GHz)	Agilent	83017A	SEM005-25	2023-09-20	2024-09-19
Pre-amplifier (26- 40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-21	2024-03-20
Substitution Antenna	Rohde & Schwarz	HF907	SEM003-06	2022-08-07	2024-08-06
Substitution Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Signal Generator(9kHz-	N5173B	MY53270267	Agilent	2023-07-11	2024-07-10



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40GHz)					
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-06	2023-07-07	2024-07-06

## 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	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Substitution Antenna	Schwarzbeck	VULB9163	SEM003-05	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Signal Generator(9kHz-40GHz)	N5173B	MY53270267	Agilent	2023-07-11	2024-07-10
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06

## 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	2023-03-23	2024-03-22



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## 6 Radio Spectrum Matter Test Results

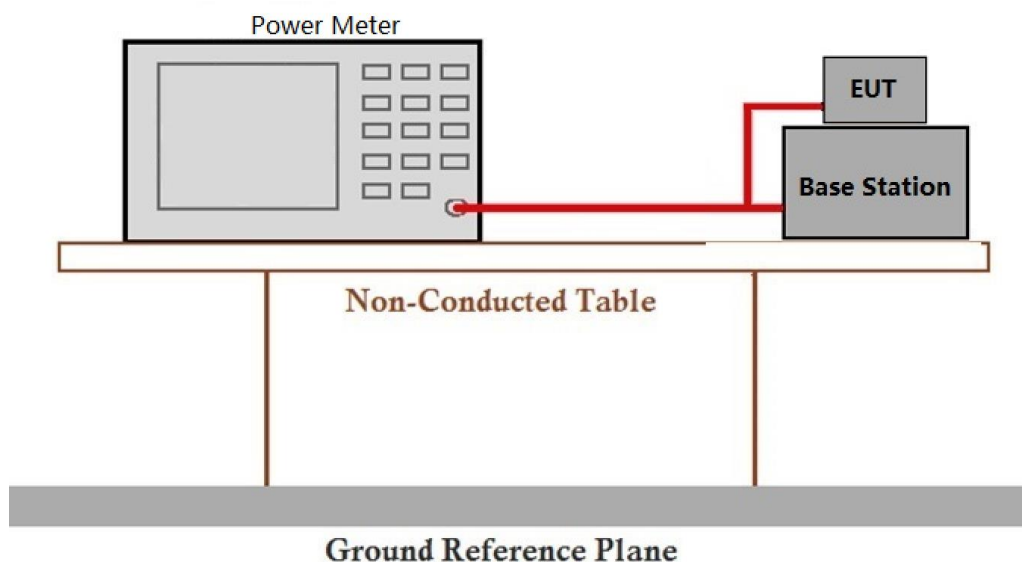
### 6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §22.913, §24.232, §27.50(d)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit: ERP≤7W(WCDMA BAND V)  
 EIRP≤2W(WCDMA BAND II)  
 EIRP≤1W(WCDMA Band IV)

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

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.1.2 Test Setup Diagram



#### 6.1.3 Measurement Data

Please refer to Appendix for WCDMA RF power test data.





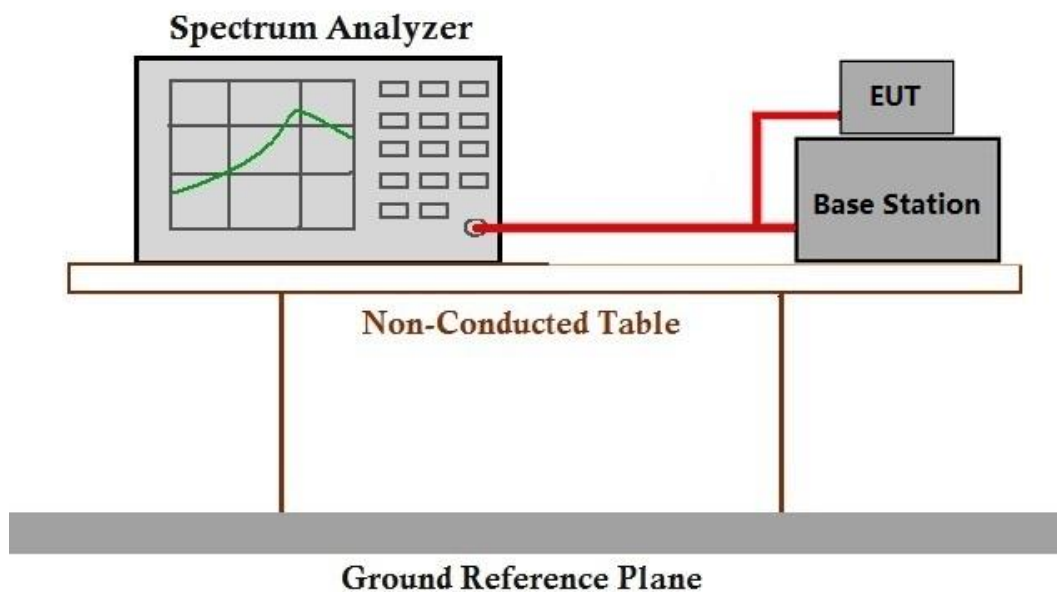
### 6.2 Peak-Average Ratio

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: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.2.2 Test Setup Diagram



#### 6.2.3 Measurement Data

Please refer to Appendix for WCDMA PAR test data.



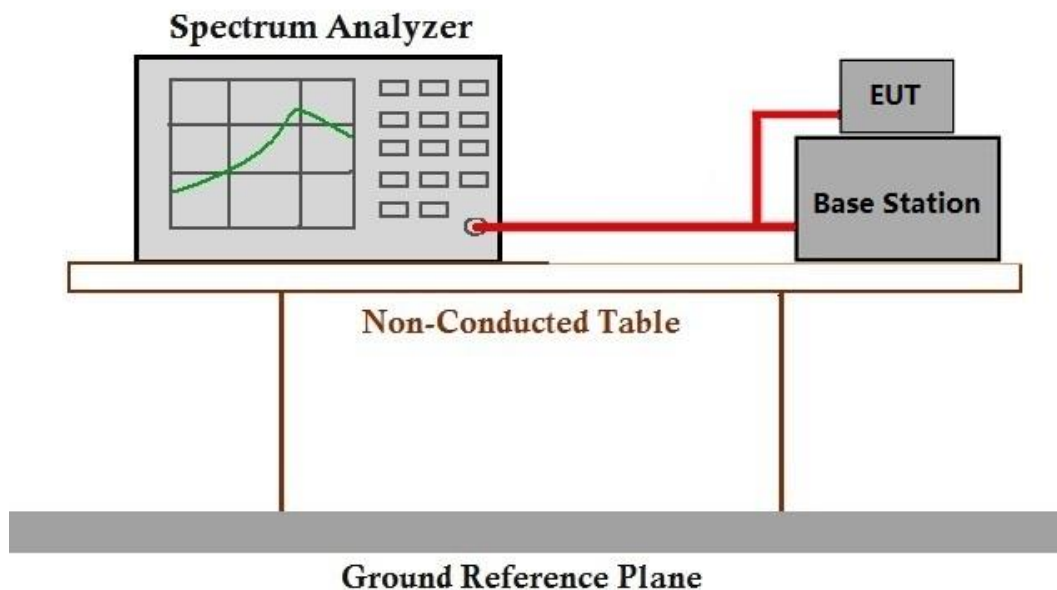
### 6.3 Bandwidth

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: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.3.2 Test Setup Diagram



#### 6.3.3 Measurement Data

Please refer to Appendix for WCDMA bandwidth test data.

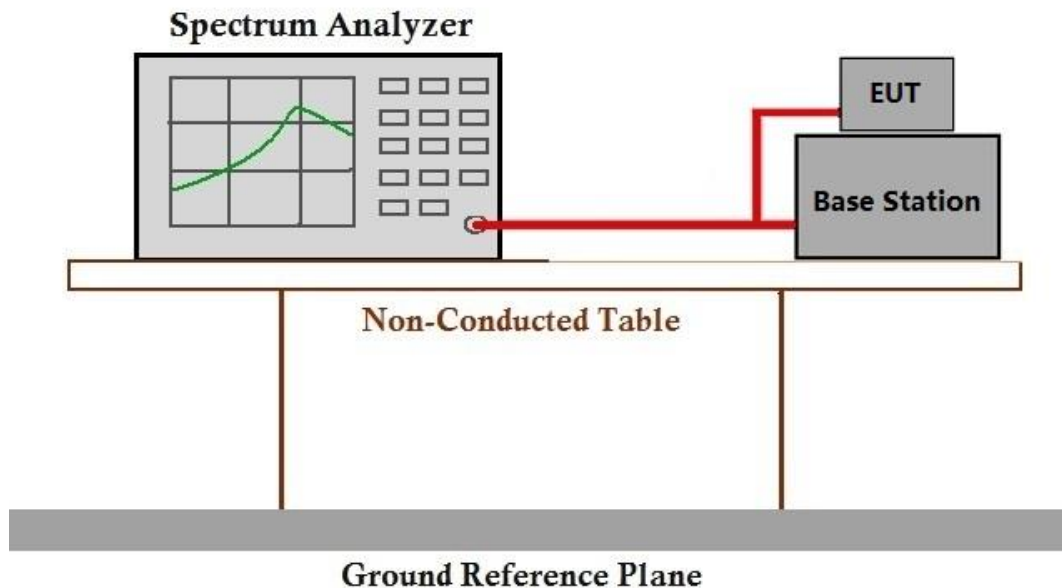
### 6.4 Band Edge Compliance

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}/1\% \cdot \text{EBW}$ , in 1 MHz bands immediately outside and adjacent to the frequency block.

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

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.4.2 Test Setup Diagram



#### 6.4.3 Measurement Data

Please refer to Appendix for WCDMA CSE test data.

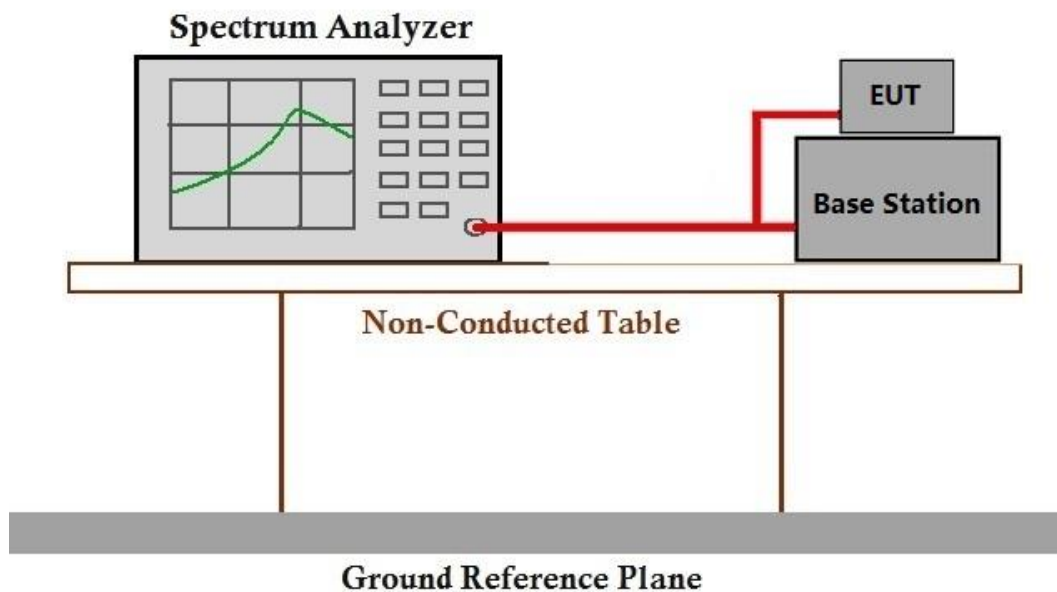
### 6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}$

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

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.5.2 Test Setup Diagram



#### 6.5.3 Measurement Data

Please refer to Appendix for WCDMA CSE test data.

### 6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq -13\text{dBm}$

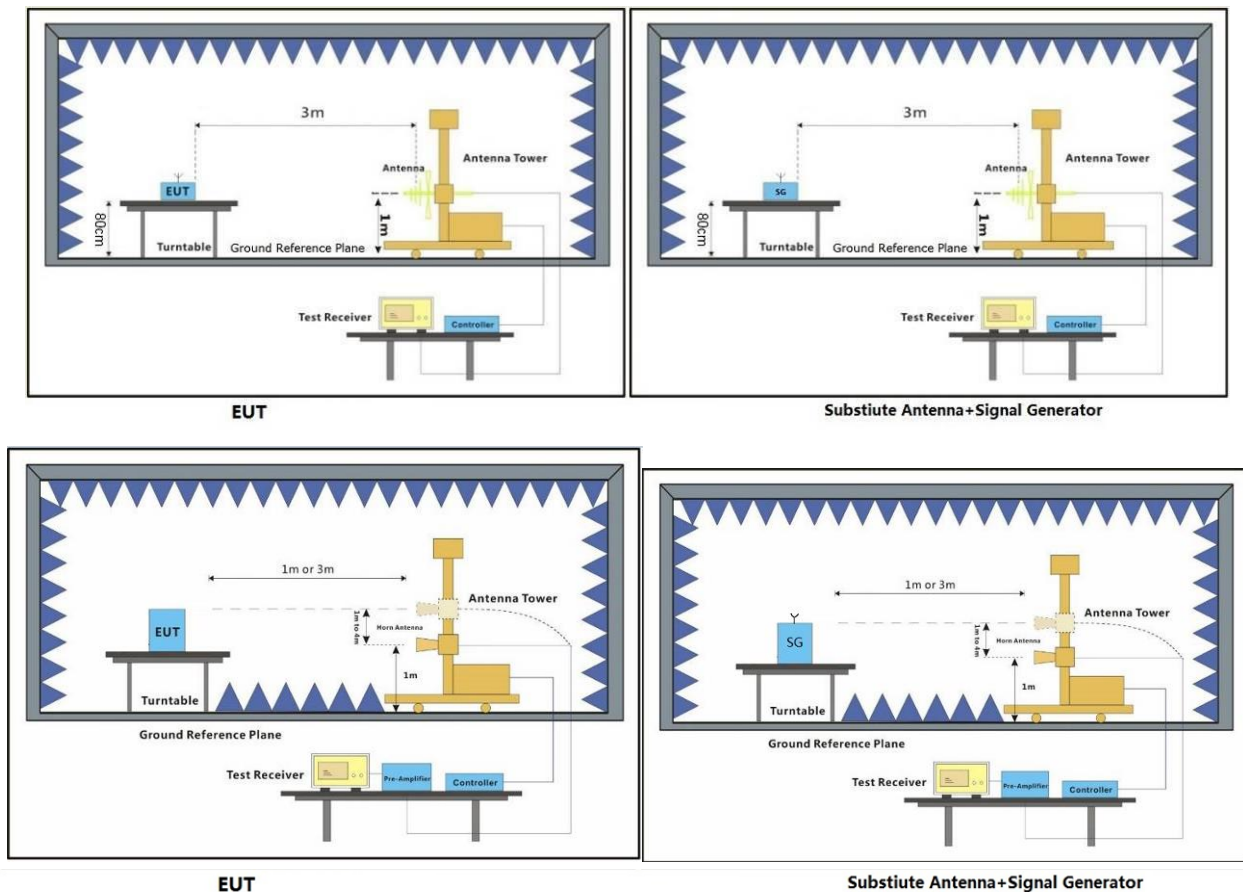
#### 6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1000 mbar

Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.6.2 Test Setup Diagram





## 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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WCDMA BAND II-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3704.8	-49.78	-13	-36.78	-52	6.99	9.21	Horizontal	Pass
5557.2	-46.65	-13	-33.65	-48.97	8.27	10.59	Horizontal	Pass
7409.6	-42.8	-13	-29.8	-46.34	8.19	11.73	Horizontal	Pass
3704.8	-49.65	-13	-36.65	-51.87	6.99	9.21	Vertical	Pass
5557.2	-46.98	-13	-33.98	-49.3	8.27	10.59	Vertical	Pass
7409.6	-42.37	-13	-29.37	-45.91	8.19	11.73	Vertical	Pass

WCDMA BAND II-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-49.06	-13	-36.06	-51.28	6.99	9.21	Horizontal	Pass
5640	-47.11	-13	-34.11	-49.43	8.27	10.59	Horizontal	Pass
7520	-42.71	-13	-29.71	-46.54	8.43	12.26	Horizontal	Pass
3760	-48.36	-13	-35.36	-50.58	6.99	9.21	Vertical	Pass
5640	-47.31	-13	-34.31	-49.63	8.27	10.59	Vertical	Pass
7520	-42.37	-13	-29.37	-46.2	8.43	12.26	Vertical	Pass

WCDMA BAND II-High channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3815.2	-49.29	-13	-36.29	-51.51	6.99	9.21	Horizontal	Pass
5722.8	-45.97	-13	-32.97	-48.29	8.27	10.59	Horizontal	Pass
7630.4	-44.36	-13	-31.36	-48.19	8.43	12.26	Horizontal	Pass
3815.2	-46.99	-13	-33.99	-49.21	6.99	9.21	Vertical	Pass
5722.8	-48.58	-13	-35.58	-50.9	8.27	10.59	Vertical	Pass
7630.4	-44.89	-13	-31.89	-48.72	8.43	12.26	Vertical	Pass



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WCDMA BAND IV-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.8	-46.81	-13	-33.81	-49.39	5.72	8.3	Horizontal	Pass
5137.2	-46.22	-13	-33.22	-48.22	8.3	10.3	Horizontal	Pass
6849.6	-43.04	-13	-30.04	-46.59	7.7	11.25	Horizontal	Pass
3424.8	-49.47	-13	-36.47	-52.05	5.72	8.3	Vertical	Pass
5137.2	-45.19	-13	-32.19	-47.19	8.3	10.3	Vertical	Pass
6849.6	-43.55	-13	-30.55	-47.1	7.7	11.25	Vertical	Pass

WCDMA BAND IV-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3465.2	-47.81	-13	-34.81	-50.39	5.72	8.3	Horizontal	Pass
5197.8	-45.62	-13	-32.62	-47.62	8.3	10.3	Horizontal	Pass
6930.4	-43.13	-13	-30.13	-46.68	7.7	11.25	Horizontal	Pass
3465.2	-48.9	-13	-35.9	-51.48	5.72	8.3	Vertical	Pass
5197.8	-45.43	-13	-32.43	-47.43	8.3	10.3	Vertical	Pass
6930.4	-44.53	-13	-31.53	-48.08	7.7	11.25	Vertical	Pass

WCDMA BAND IV-High channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3505.2	-49.07	-13	-36.07	-51.29	6.99	9.21	Horizontal	Pass
5257.8	-45.54	-13	-32.54	-47.54	8.3	10.3	Horizontal	Pass
7010.4	-42.86	-13	-29.86	-46.4	8.19	11.73	Horizontal	Pass
3505.2	-48.53	-13	-35.53	-50.75	6.99	9.21	Vertical	Pass
5257.8	-46.29	-13	-33.29	-48.29	8.3	10.3	Vertical	Pass
7010.4	-43.59	-13	-30.59	-47.13	8.19	11.73	Vertical	Pass



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WCDMA Band V-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1652.8	-54.6	-13	-41.6	-58.26	3.77	7.43	Horizontal	Pass
2479.2	-52.53	-13	-39.53	-54.86	4.75	7.08	Horizontal	Pass
3305.6	-50.73	-13	-37.73	-53.31	5.72	8.3	Horizontal	Pass
1652.8	-54.8	-13	-41.8	-58.46	3.77	7.43	Vertical	Pass
2479.2	-50.82	-13	-37.82	-53.15	4.75	7.08	Vertical	Pass
3305.6	-50.86	-13	-37.86	-53.44	5.72	8.3	Vertical	Pass

WCDMA Band V-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1672.8	-55.12	-13	-42.12	-58.78	3.77	7.43	Horizontal	Pass
2509.2	-51.54	-13	-38.54	-54.01	5.13	7.6	Horizontal	Pass
3345.6	-50.48	-13	-37.48	-53.06	5.72	8.3	Horizontal	Pass
1672.8	-54.3	-13	-41.3	-57.96	3.77	7.43	Vertical	Pass
2509.2	-52.53	-13	-39.53	-55	5.13	7.6	Vertical	Pass
3345.6	-50.36	-13	-37.36	-52.94	5.72	8.3	Vertical	Pass

WCDMA Band V-High channel								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1693.2	-54.86	-13	-41.86	-58.52	3.77	7.43	Horizontal	Pass
2539.8	-53.35	-13	-40.35	-55.82	5.13	7.6	Horizontal	Pass
3386.4	-49.66	-13	-36.66	-52.24	5.72	8.3	Horizontal	Pass
1693.2	-54.16	-13	-41.16	-57.82	3.77	7.43	Vertical	Pass
2539.8	-51.66	-13	-38.66	-54.13	5.13	7.6	Vertical	Pass
3386.4	-49.13	-13	-36.13	-51.71	5.72	8.3	Vertical	Pass

Note:

All modes have been tested and we found RMC Test mode has the worst test result. Only record the worst test result.



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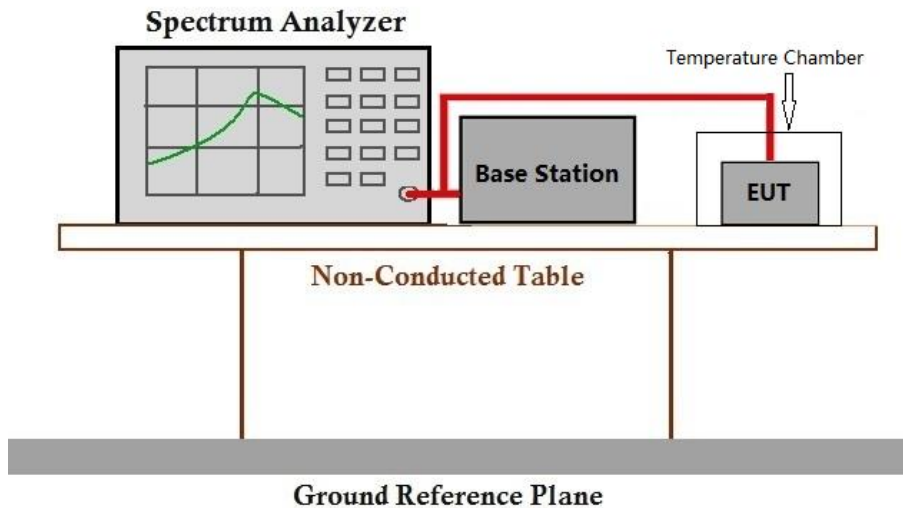
### 6.7 Frequency stability

Test Requirement: §2.1055, §22.355, §24.235, §27.54  
 Test Method: ANSI C63.26-2015, KDB 971168 D01 v03r01  
 Limit:  $\leq \pm 2.5\text{ppm}$ .

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

Operating Environment:  
 Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1000 mbar  
 Test mode: 31: TX mode\_Keep the EUT in transmitting mode

#### 6.7.2 Test Setup Diagram



#### 6.7.3 Measurement Data

Please refer to Appendix for WCDMA FE test data.



## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2309003223AT

## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2309003223AT

- End of the Report -