

TEST REPORT

Application No.: KSCR2505000967AT
FCC ID: 2BPU8-SL
Applicant: JIANGSU ZIQING INFORMATION TECHNOLOGY CO.,LTD
Address of Applicant: 401 NORTH XINGYUAN ROAD,WUXI,JIANGSU PROVINCE
Manufacturer: JIANGSU ZIQING INFORMATION TECHNOLOGY CO.,LTD
Address of Manufacturer: 401 NORTH XINGYUAN ROAD,WUXI,JIANGSU PROVINCE
Factory: JIANGSU ZIQING INFORMATION TECHNOLOGY CO.,LTD
Address of Factory: 401 NORTH XINGYUAN ROAD,WUXI,JIANGSU PROVINCE
Equipment Under Test (EUT):
EUT Name: SL
Model No.: SL
Trade Mark: Anylink
Standard(s) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 27
Date of Receipt: 2025-05-15
Date of Test: 2025-06-05 to 2025-06-11
Date of Issue: 2025-06-11

Test Result:**Pass***

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Revision Record			
Version	Description	Date	Remark
00	Original	2025-06-11	/

Authorized for issue by:			
Tested By		Damon Zhou	
		Damon_Zhou/Project Engineer	
Approved By		Terry Hou	
		Terry Hou /Reviewer	

2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §22.913(a)(5) §27.50(h)(2)	ERP≤7W(LTE Band 5) EIRP≤ 2W(LTE Band 38,41)	PASS
Peak-Average Ratio	§22.913(d) §27.50	≤13dB	PASS
Bandwidth	§2.1049	OBW:No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §22.917(a) §27.53(m)(4)	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block ≤ -13dBm(LTE Band 38, 41<5.5MHz) -25dBm(LTE Band38, 41≥5.5MHz)	PASS
Spurious emissions at antenna terminals	§2.1051 §22.917(a) §27.53(m)	≤ -13dBm(LTE Band 5) ≤ -25dBm(LTE Band 38,41)	PASS
Radiated spurious emission	§2.1053 §22.917(a) §27.53(m)	≤ -13dBm(LTE Band 5) ≤ -25dBm(LTE Band38,41)	PASS
Frequency stability	§2.1055 §22.355 §27.54	≤ ±2.5ppm.	PASS

3 Contents

	Page
1 COVER PAGE.....	1
2 Test Summary	3
3 Contents	4
4 General Information	5
4.1 Details of E.U.T.	5
4.2 Description of Support Units	5
4.3 Test Frequency.....	6
4.4 Measurement Uncertainty.....	7
4.5 Test Location.....	8
4.6 Test Facility	8
4.7 Deviation from Standards	8
4.8 Abnormalities from Standard Conditions	8
5 Equipment List.....	9
6 Radio Spectrum Matter Test Results	10
6.1 Effective (Isotropic) Radiated Power Output Data.....	10
6.2 Peak-Average Ratio.....	11
6.3 Bandwidth	12
6.4 Band Edge Compliance	13
6.5 Spurious emissions at antenna terminals	14
6.6 Field strength of spurious radiation	15
6.7 Frequency stability.....	20
7 Test Setup Photo	21
8 EUT Constructional Details (EUT Photos)	21

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 9-30V
LTE Operation Frequency Band:	LTE Band 5, 38 ,41
Modulation Type:	QPSK, 16QAM
Antenna Type:	Dipole Antenna
Antenna Gain:	Band 5: 3dBi(Provided by the manufacturer) Band 38: 3dBi(Provided by the manufacturer) Band 41: 3dBi(Provided by the manufacturer)
Extreme vol. Limits:	9V DC to 30V DC (nominal: 19V DC)

Note:

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.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
AC Adapter	--	--	--

4.3 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 41	5	2498.5	2593.0	2687.5
	10	2501.0	2593.0	2685.0
	15	2503.5	2593.0	2682.5
	20	2506.0	2593.0	2680.0

2.1 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	48%	
Atmospheric Pressure:	1015Pa	
Temperature:	TN	25 °C
Voltage:	VL	9V
	VN	19V
	VH	30V

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

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

4.6 Test Facility

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

- **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

- **ISED**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

- **VCCI**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/01/2024	07/31/2025
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/01/2024	07/31/2025
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2025	01/14/2026
4	Signal Generator	R&S	SMBV100B	KSEM032	02/19/2025	02/18/2026
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/02/2024	08/01/2025
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/01/2024	07/31/2025
7	Signal Generator	Agilent	E8257C	KS301066	08/06/2024	08/05/2025
8	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/01/2024	07/31/2025
9	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	02/19/2025	02/18/2026
10	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/13/2024	08/12/2025
11	Switcher	TST	FY562	KUS2001M001-4	01/15/2025	01/14/2026
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/14/2025	01/13/2026
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KSES104904	08/26/2024	08/25/2025
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	02/26/2025	02/25/2026
15	Software	BST	TST-PASS	/	NCR	NCR
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/06/2024	08/05/2025
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	02/18/2025	02/17/2026
3	Signal Generator	Agilent	E8257C	KS301066	08/06/2024	08/05/2025
4	Loop Antenna (9KHz-30MHz)	COM-POWER	AL-130R	KUS1806E001	03/01/2025	02/28/2027
5	Bilog Antenna (30MHz-1GHz)	TESEQ	CBL 6112D	KUS1806E005	06/29/2023	06/28/2025
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	03/23/2024	03/22/2026
7	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	01/07/2024	01/06/2026
8	Amplifier(30MHz~1GHz)	TST	LNA009100G30	KSEM061	01/15/2025	01/14/2026
9	Amplifier(400MHz~8GHz)	TST	LNA004080G30	KSEM062	01/15/2025	01/14/2026
10	Amplifier(1GHz~18GHz)	TST	LNA010180G45	KSEM039	08/02/2024	08/01/2025
11	Amplifier(18~40GHz)	TST	LNA180400G40	KSEM038	08/12/2024	08/11/2025
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	08/23/2024	08/22/2025
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	02/26/2025	02/25/2026
14	Software	Faratronic	EZ_EMV-3A1	/	NCR	NCR
15	Software	ESE	E3_V 6.111221a	/	NCR	NCR

6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §22.913(a)(5), §27.50(h)(2)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: ERP≤7W(LTE Band 5)
EIRP≤ 2W(LTE Band 38,41)

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

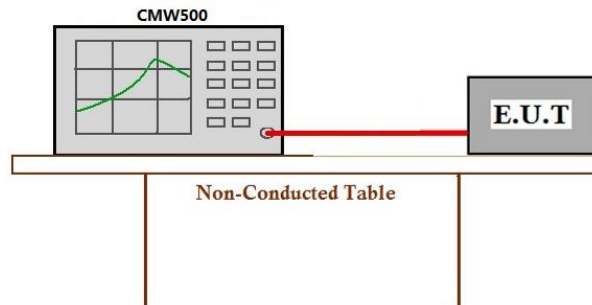
Humidity: 50.6 % RH

Atmospheric Pressure: 1010 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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: §22.913(d), §27.50
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

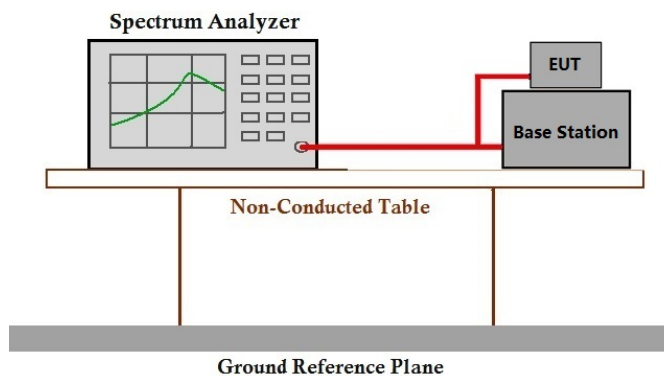
6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.5 °C Humidity: 52.6 % RH Atmospheric Pressure: 1010 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 Bandwidth

Test Requirement: §2.1049(h)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: OBW: No limit
 EBW: No limit

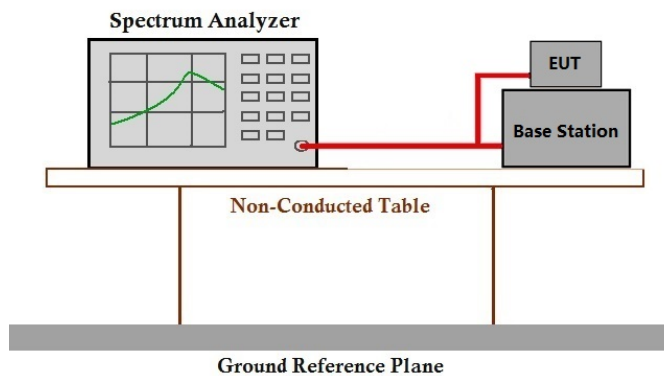
6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.5 °C Humidity: 50.6 % RH Atmospheric Pressure: 1010 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

6.3.3 Test Setup Diagram



6.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

6.4 Band Edge Compliance

Test Requirement: §2.1051, §22.917(a), §27.53(m)(4)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm}/1\% \cdot \text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block
 $\leq -13\text{dBm}$ (LTE Band 38, $41 < 5.5\text{MHz}$)
 -25dBm (LTE Band38, $41 \geq 5.5\text{MHz}$)

6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

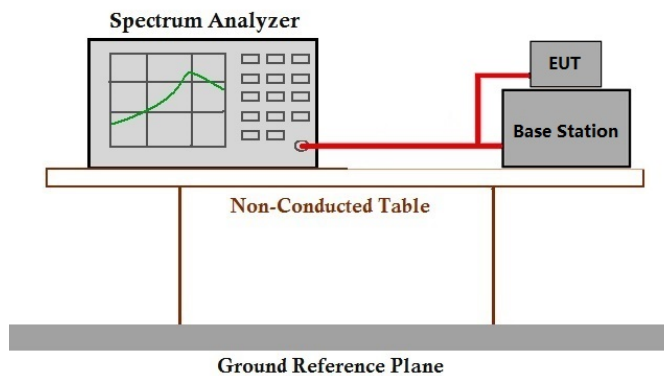
Humidity: 52.6 % RH

Atmospheric Pressure: 1010 mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §22.917(a), §27.53(m)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: -13dBm(LTE Band 5)
 ≤ -25dBm(LTE Band 38,41)

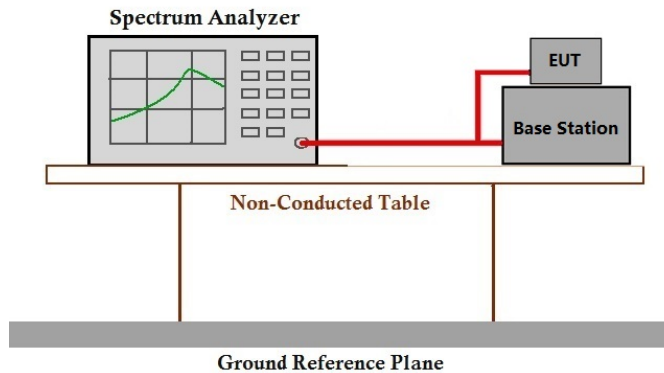
6.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.2 °C Humidity: 53.8 % RH Atmospheric Pressure: 1010 mbar

6.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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 Field strength of spurious radiation

Test Requirement: §2.1053, §22.917(a), §27.53(m)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm}$ (LTE Band 5)
 $\leq -25\text{dBm}$ (LTE Band38,41)

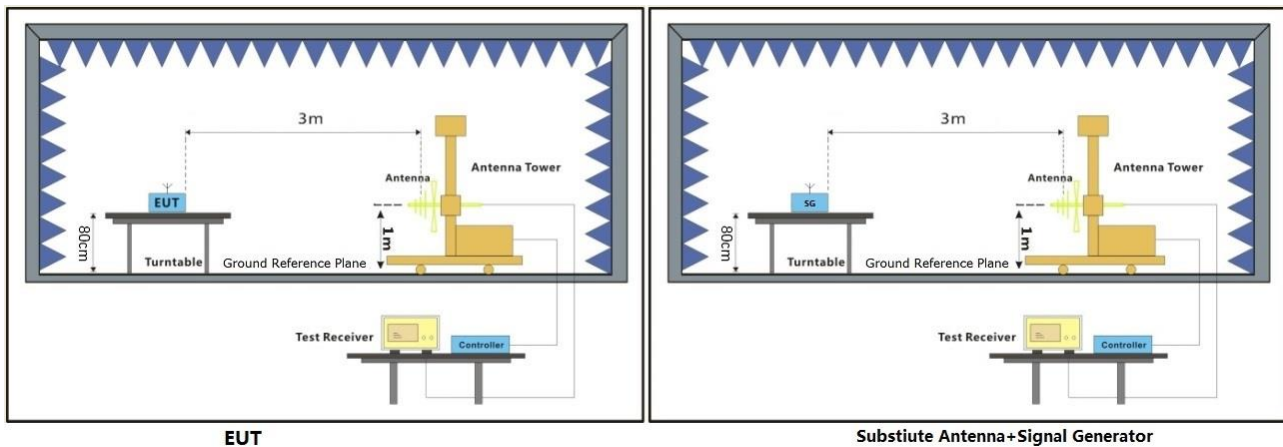
6.6.1 E.U.T. Operation

Operating Environment:
 Temperature: 24.7 °C Humidity: 50.8 % RH Atmospheric Pressure: 1010 mbar

6.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

6.6.3 Test Setup Diagram



6.6.4 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.

LTE BAND 5-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1658.000	-56.84	-13	-43.84	Horizontal
2487.000	-56.32	-13	-43.32	Horizontal
3316.000	-54.77	-13	-41.77	Horizontal
1658.000	-52.62	-13	-39.62	Vertical
2487.000	-57.79	-13	-44.79	Vertical
3316.000	-56.29	-13	-43.29	Vertical

LTE BAND 5-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1673.000	-57.90	-13	-44.90	Horizontal
2509.500	-59.27	-13	-46.27	Horizontal
3346.000	-57.93	-13	-44.93	Horizontal
1673.000	-54.81	-13	-41.81	Vertical
2509.500	-59.59	-13	-46.59	Vertical
3346.000	-55.66	-13	-42.66	Vertical

LTE BAND 5-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1688.000	-60.09	-13	-47.09	Horizontal
2532.000	-58.77	-13	-45.77	Horizontal
3376.000	-53.55	-13	-40.55	Horizontal
1688.000	-52.42	-13	-39.42	Vertical
2532.000	-61.73	-13	-48.73	Vertical
3376.000	-56.29	-13	-43.29	Vertical

LTE BAND 38-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5160.000	-57.94	-25	-32.94	Horizontal
7740.000	-59.09	-25	-34.09	Horizontal
10320.000	-55.72	-25	-30.72	Horizontal
5160.000	-58.71	-25	-33.71	Vertical
7740.000	-58.15	-25	-33.15	Vertical
10320.000	-53.48	-25	-28.48	Vertical

LTE BAND 38-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5190.000	-56.67	-25	-31.67	Horizontal
7785.000	-59.84	-25	-34.84	Horizontal
10380.000	-59.69	-25	-34.69	Horizontal
5190.000	-54.96	-25	-29.96	Vertical
7785.000	-59.11	-25	-34.11	Vertical
10380.000	-59.94	-25	-34.94	Vertical

LTE BAND 38-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5220.000	-53.49	-25	-28.49	Horizontal
7830.000	-61.20	-25	-36.20	Horizontal
10440.000	-55.99	-25	-30.99	Horizontal
5220.000	-58.91	-25	-33.91	Vertical
7830.000	-61.45	-25	-36.45	Vertical
10440.000	-53.40	-25	-28.40	Vertical

LTE BAND 41-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5012.000	-55.21	-25	-30.21	Horizontal
7518.000	-59.49	-25	-34.49	Horizontal
10024.000	-57.44	-25	-32.44	Horizontal
5012.000	-55.21	-25	-30.21	Vertical
7518.000	-58.36	-25	-33.36	Vertical
10024.000	-57.47	-25	-32.47	Vertical

LTE BAND 41-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5186.000	-57.21	-25	-32.21	Horizontal
7779.000	-59.32	-25	-34.32	Horizontal
10372.000	-55.29	-25	-30.29	Horizontal
5186.000	-50.61	-25	-25.61	Vertical
7779.000	-58.37	-25	-33.37	Vertical
10372.000	-55.37	-25	-30.37	Vertical

LTE BAND 41-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5360.000	-57.79	-25	-32.79	Horizontal
8040.000	-59.36	-25	-34.36	Horizontal
10720.000	-52.53	-25	-27.53	Horizontal
5360.000	-57.87	-25	-32.87	Vertical
8040.000	-60.59	-25	-35.59	Vertical
10720.000	-57.17	-25	-32.17	Vertical

6.7 Frequency stability

Test Requirement: §2.1055, §22.355, §27.54
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq \pm 2.5\text{ppm}$.

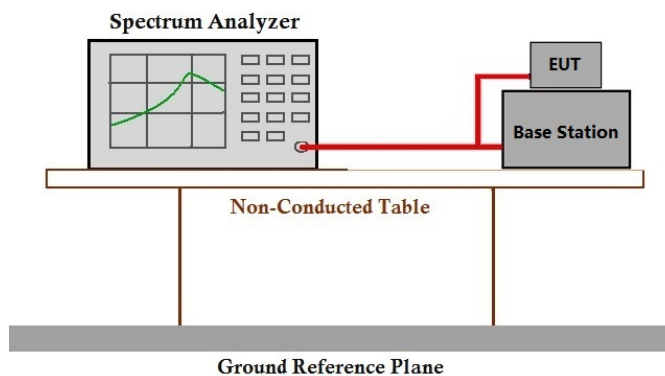
6.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.2 °C Humidity: 50.8 % RH Atmospheric Pressure: 1010 mbar

6.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

6.7.3 Test Setup Diagram



6.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2505000967AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2505000967AT

- End of the Report -