

TEST REPORT

Application No.: KSCR2411002433AT
FCC ID: 2AH25NJ021
Applicant: Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant: Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer: Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
Equipment Under Test (EUT):
EUT Name: Sound Box
Model No.: NJ021
Trade Mark: SUNMI
Standard(s) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27
Date of Receipt: 2024-11-29
Date of Test: 2024-11-30 to 2024-12-23
Date of Issue: 2024-12-24

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	2024-12-24	/

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 §24.232 §27.50	ERP≤7W(LTE Band 5) EIRP≤ 2W(LTE Band 2,7) EIRP≤ 1W(LTE Band 4,66)	PASS
Peak-Average Ratio	§24.232 §27.50	≤13dB	PASS
Bandwidth	§2.1049(h)	OBW:No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §22.917 §24.238 §27.53	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block ≤ -13dBm(LTE Band7<5.5MHz) ≤ -25dBm(LTE Band7 ≥5.5MHz)	PASS
Spurious emissions at antenna terminals	§2.1051 §22.917 §24.238 §27.53	≤ -13dBm(LTE Band2,4,5,66) ≤ -25dBm(LTE Band7)	PASS
Radiated spurious emission	§2.1051 §22.917 §24.238 §27.53	≤ -13dBm(LTE Band2,4,5,66) ≤ -25dBm(LTE Band7)	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:	DC 5V,1A Rechargeable Li-ion Battery Battery model: LNPA 18650 11NR19/66 Nominal Voltage: 3.7V Rated Capacity: 2100mAh Rated Energy: 7.77Wh Charge Limited Voltage: 4.2V
Serial Number:	ZG03D4B700012
Firmware version:	V0.1.5
LTE Category:	LTE Cat1 Bis
LTE Operation Frequency Band:	LTE Band 2,4,5,7,66
Modulation Type:	QPSK, 16QAM
Antenna Type:	PIFA Antenna
Antenna Gain:	Band 2: 2.7dBi(Provided by the manufacturer) Band 4: 3.7dBi(Provided by the manufacturer) Band 5: -1.4dBi(Provided by the manufacturer) Band 7: 1.4dBi(Provided by the manufacturer) Band 66: 3.7dBi(Provided by the manufacturer)
IMEI:	865731070008184

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	DVE	--	--

4.3 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 7	5	2502.5	2535	2567.5
	10	2505	2535	2565
	15	2507.5	2535	2562.5
	20	2510	2535	2560
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	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

2.1 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	48%	
Atmospheric Pressure:	1015Pa	
Temperature:	TN	25 °C
Voltage:	VL	3.145V
	VN	3.7V
	VH	4.255V

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

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	01/15/2024	01/14/2025
4	Signal Generator	R&S	SMBV100B	KSEM032	03/19/2024	03/18/2025
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	03/19/2024	03/18/2025
10	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/12/2024	08/11/2025
11	Switcher	TST	FY562	KUS2001M001-4	01/15/2024	01/14/2025
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/15/2024	01/14/2025
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/26/2024	08/25/2025
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/19/2024	03/18/2025
15	Software	BST	TST-PASS	/	NCR	NCR
16	Power Divider	AISI	IOWOPE2068	KS301070	NCR	NCR
17	6dB Attenuator	Mini-Circuits	NAT-6-2W	/	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	03/19/2024	03/18/2025
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	03/18/2023	03/17/2025
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2023	06/28/2025
6	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E006	03/19/2024	03/18/2025
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	03/23/2024	08/22/2026
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	04/07/2023	04/06/2025
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	01/07/2024	01/06/2026
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/15/2024	01/14/2025
11	Amplifier(18~40GHz)	PANSHAN TECHNOLOGY	LNA180400G40	KSEM038	08/12/2024	08/11/2025
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	08/12/2024	08/11/2025
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	03/21/2024	03/20/2025
14	Software	Faratronic	EZ_EMV-v 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, §24.232, §27.50
Test Method: ANSI C63.26, KDB 971168 D01 v03
Limit: ERP≤7W(LTE Band 5)
EIRP≤ 2W(LTE Band 2,7)
EIRP≤ 1W(LTE Band 4,66)

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.8 °C

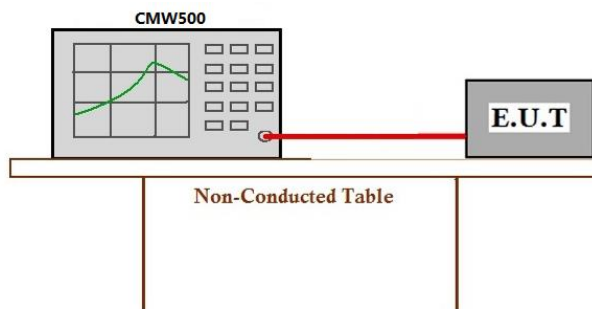
Humidity: 46.5 % RH

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: §24.232, §27.50(d)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

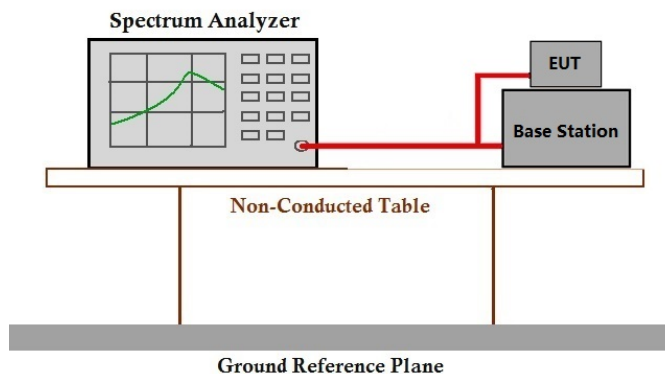
6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.8 °C Humidity: 46.5 % 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

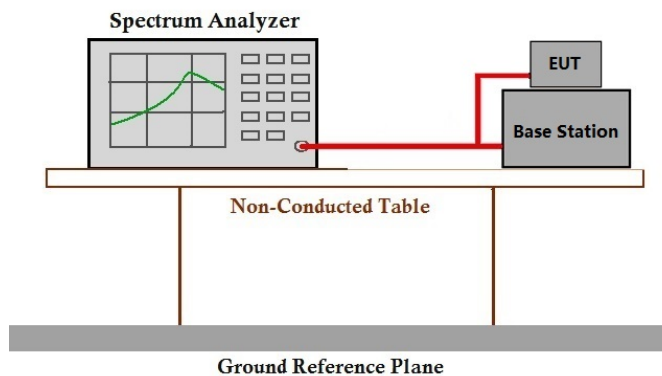
6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.8 °C Humidity: 46.5 % 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

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

Limit: $\leq -13\text{dBm}/1\%*\text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block

6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.8 °C

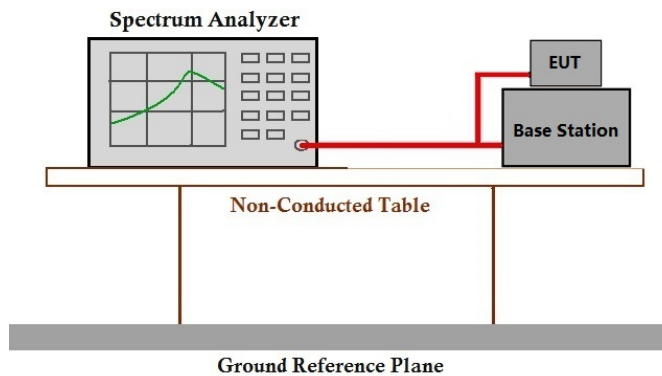
Humidity: 46.5 % RH

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

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

Limit: $\leq -13\text{dBm}$ (LTE Band2,4,5,66)
 $\leq -25\text{dBm}$ (LTE Band7)

For operations in the 775-788MHz, emissions in the 1559-1610MHz shall be limited to -70dBW/MHz, The limit of emissions is equal to -40dBm.

6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22.8 °C

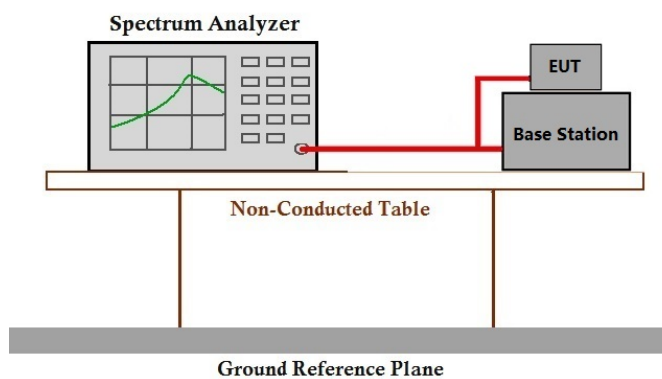
Humidity: 46.5 % RH

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: §2.1051
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm}$ (LTE Band2,4,5,66)
 $\leq -25\text{dBm}$ (LTE Band7)

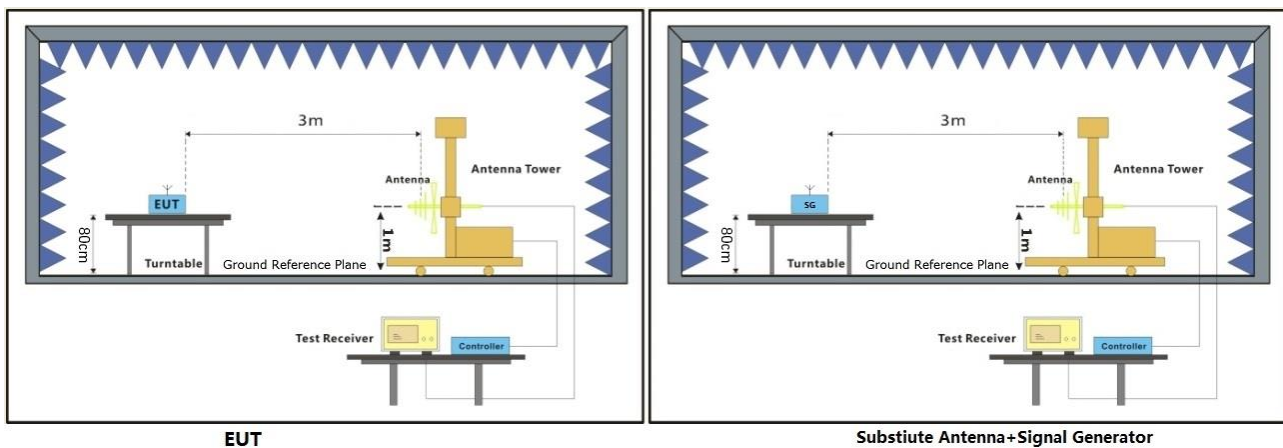
6.6.1 E.U.T. Operation

Operating Environment:
 Temperature: 24.3 °C Humidity: 47.8 % 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 2-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3720.000	-51.78	-13	-38.78	Horizontal
5580.000	-57.13	-13	-44.13	Horizontal
7440.000	-56.35	-13	-43.35	Horizontal
3720.000	-54.99	-13	-41.99	Vertical
5580.000	-58.82	-13	-45.82	Vertical
7440.000	-53.20	-13	-40.20	Vertical

LTE BAND 2-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3760.000	-56.41	-13	-43.41	Horizontal
5640.000	-60.97	-13	-47.97	Horizontal
7520.000	-57.61	-13	-44.61	Horizontal
3760.000	-56.37	-13	-43.37	Vertical
5640.000	-60.13	-13	-47.13	Vertical
7520.000	-59.58	-13	-46.58	Vertical

LTE BAND 2-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3800.000	-54.77	-13	-41.77	Horizontal
5700.000	-60.54	-13	-47.54	Horizontal
7600.000	-55.80	-13	-42.80	Horizontal
3800.000	-58.54	-13	-45.54	Vertical
5700.000	-59.67	-13	-46.67	Vertical
7600.000	-56.04	-13	-43.04	Vertical

LTE BAND 4-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3440.000	-55.51	-13	-42.51	Horizontal
5160.000	-57.41	-13	-44.41	Horizontal
6880.000	-53.23	-13	-40.23	Horizontal
3440.000	-60.05	-13	-47.05	Vertical
5160.000	-57.17	-13	-44.17	Vertical
6880.000	-56.93	-13	-43.93	Vertical

LTE BAND 4-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3465.000	-54.87	-13	-41.87	Horizontal
5197.500	-60.20	-13	-47.20	Horizontal
6930.000	-58.38	-13	-45.38	Horizontal
3465.000	-53.81	-13	-40.81	Vertical
5197.500	-61.74	-13	-48.74	Vertical
6930.000	-57.85	-13	-44.85	Vertical

LTE BAND 4-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3490.000	-61.07	-13	-48.07	Horizontal
5235.000	-59.37	-13	-46.37	Horizontal
6980.000	-56.09	-13	-43.09	Horizontal
3490.000	-58.94	-13	-45.94	Vertical
5235.000	-61.91	-13	-48.91	Vertical
6980.000	-53.43	-13	-40.43	Vertical

LTE BAND 5-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1658.000	-58.77	-13	-45.77	Horizontal
2487.000	-60.70	-13	-47.70	Horizontal
3316.000	-57.02	-13	-44.02	Horizontal
1658.000	-52.99	-13	-39.99	Vertical
2487.000	-58.55	-13	-45.55	Vertical
3316.000	-57.26	-13	-44.26	Vertical

LTE BAND 5-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1673.000	-57.87	-13	-44.87	Horizontal
2509.500	-60.45	-13	-47.45	Horizontal
3346.000	-58.41	-13	-45.41	Horizontal
1673.000	-55.57	-13	-42.57	Vertical
2509.500	-61.18	-13	-48.18	Vertical
3346.000	-56.77	-13	-43.77	Vertical

LTE BAND 5-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
1688.000	-59.07	-13	-46.07	Horizontal
2532.000	-58.69	-13	-45.69	Horizontal
3376.000	-57.18	-13	-44.18	Horizontal
1688.000	-58.74	-13	-45.74	Vertical
2532.000	-59.61	-13	-46.61	Vertical
3376.000	-53.72	-13	-40.72	Vertical

LTE BAND 7-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5020.000	-60.72	-25	-35.72	Horizontal
7530.000	-59.88	-25	-34.88	Horizontal
10040.000	-53.89	-25	-28.89	Horizontal
5020.000	-60.50	-25	-35.50	Vertical
7530.000	-58.53	-25	-33.53	Vertical
10040.000	-57.77	-25	-32.77	Vertical

LTE BAND 7-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5070.000	-54.35	-25	-29.35	Horizontal
7605.000	-58.42	-25	-33.42	Horizontal
10140.000	-59.93	-25	-34.93	Horizontal
5070.000	-52.45	-25	-27.45	Vertical
7605.000	-61.12	-25	-36.12	Vertical
10140.000	-55.84	-25	-30.84	Vertical

LTE BAND 7-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
5120.000	-60.53	-25	-35.53	Horizontal
7680.000	-62.87	-25	-37.87	Horizontal
10240.000	-57.02	-25	-32.02	Horizontal
5120.000	-60.06	-25	-35.06	Vertical
7680.000	-62.96	-25	-37.96	Vertical
10240.000	-52.87	-25	-27.87	Vertical

LTE BAND 66-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3440.000	-51.86	-13	-38.86	Horizontal
5160.000	-56.27	-13	-43.27	Horizontal
6880.000	-53.43	-13	-40.43	Horizontal
3440.000	-52.98	-13	-39.98	Vertical
5160.000	-56.14	-13	-43.14	Vertical
6880.000	-53.40	-13	-40.40	Vertical

LTE BAND 66-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3490.000	-57.19	-13	-44.19	Horizontal
5235.000	-61.13	-13	-48.13	Horizontal
6980.000	-57.04	-13	-44.04	Horizontal
3490.000	-50.71	-13	-37.71	Vertical
5235.000	-61.51	-13	-48.51	Vertical
6980.000	-56.43	-13	-43.43	Vertical

LTE BAND 66-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
3540.000	-54.65	-13	-41.65	Horizontal
5310.000	-58.94	-13	-45.94	Horizontal
7080.000	-53.92	-13	-40.92	Horizontal
3540.000	-53.52	-13	-40.52	Vertical
5310.000	-59.90	-13	-46.90	Vertical
7080.000	-56.39	-13	-43.39	Vertical

6.7 Frequency stability

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

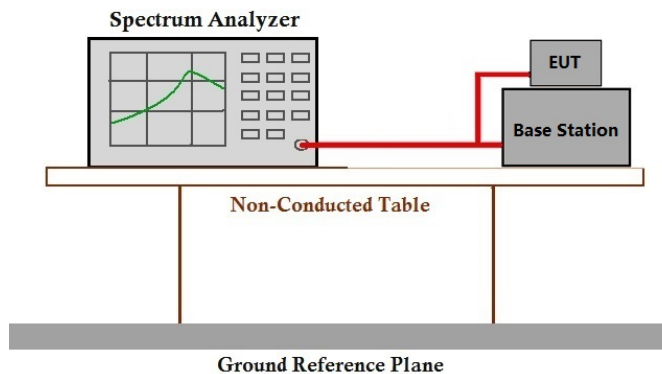
6.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.2 °C Humidity: 46.5 % 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 KSCR2411002433AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2411002433AT

- End of the Report -