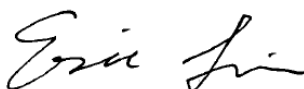


DTEST REPORT

Application No.: KSCR2210002457AT
FCC ID: 2APJ4-SRM825NNA
Applicant: MeiG Smart Technology Co., Ltd LTD.
Address of Applicant: 2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen
Manufacturer: MeiG Smart Technology Co., Ltd LTD.
Address of Manufacturer: 2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen
Equipment Under Test (EUT):
EUT Name: SRM825
Model No.: SRM825N-NA
Trade Mark: MEIGLink
Standard(s) : 47 CFR Part 2
47 CFR Part 96 subpart E
Date of Receipt: 2022-12-12
Date of Test: 2022-12-12 to 2023-02-15
Date of Issue: 2023-02-16

Test Result:	Pass
---------------------	-------------

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



Eric Lin
Laboratory Manager



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000245701

Page: 2 of 27

Revision Record			
Version	Description	Date	Remark
00	Original	2023-02-16	/

Authorized for issue by:			
		<i>Damon Zhou</i>	
		Damon_Zhou/Project Engineer	
		<i>Eric Lin</i>	
		Eric Lin /Reviewer	



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2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Output Power Data	§2.1046 §96.41(b)	EIRP ≤ 23dBm/10MHz	PASS
Peak-Average Ratio	§96.41(g)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§96.41(e)	Refer to clause 6.4	PASS
Spurious emissions at antenna terminals	§96.41(e)	Refer to clause 6.5	PASS
Field strength of spurious radiation	§2.1051 §96.41(e)	Refer to clause 6.6	PASS
Frequency stability	§2.1055	≤ ±2.5ppm.	PASS



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Report No.: KSCR221000245701

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.8V
Hardware Version:	SRM825WN_X62_V1.01
Software Version:	SRM825N_6.0.3_EQ101
Operation Frequency Band:	LTE: Band 48 NR: n48
CA Under Test (up link)	LTE:48C
Modulation Type:	LTE: QPSK, 16QAM, 64QAM, 256 QAM NR: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256 QAM
LTE Power Class:	Level 3
SCS Information:	30KHz
Antenna Type:	External Antenna
Antenna Gain:	Antenna 1:3.1dBi(Provide by Manufacturer); Antenna 3:3.1dBi(Provide by Manufacturer)

4.2 Test Frequency

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 48	5	3552.5	3625.0	3697.5
	10	3555.0	3625.0	3695.0
	15	3557.5	3625.0	3692.5
	20	3560.0	3625.0	3690.0

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 48C	10MHz-20MHz	3555.5-3569.9	3615.6-3630.0	3675.6-3690.0
	15MHz-20MHz	3557.8-3574.9	3557.8-3574.9	3672.9-3690.0
	20MHz-10MHz	3560.0-3574.5	3620.1-3634.5	3680.1-3694.5
	20MHz-15MHz	3560.0-3577.1	3617.6-3634.7	3675.1-3692.2
	20MHz-20MHz	3560.0-3579.8	3615.1-3634.9	3670.2-3690.0
	20MHz-5MHz	3560.0-3571.7	3622.5-3634.2	3685-3696.7
	5MHz-20MHz	3553.3-3565	3615.8-3627.5	3678.3-3690



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Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
NR n48	5	3552.51	3625.005	3697.50
	10	3555.00	3624.99	3694.98
	15	3557.52	3624.99	3692.49
	20	3560.01	3624.99	3690.00
	40	3570.00	3624.99	3679.98

4.3 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	52%	
Atmospheric Pressure:	1015Pa	
Temperature:	TL	-40°C
	TN	+20°C
	TH	+75°C
Voltage:	VL	3.3 V
	VN	3.8 V
	VH	4.4 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

The EUT has been tested independent unit.



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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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Report No.: KSCR221000245701

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4.6 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).

4.7 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.

4.8 Deviation from Standards

None

4.9 Abnormalities from Standard Conditions

None



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5 Equipment List

NO	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/22/2022	08/21/2023
2	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/22/2022	01/21/2023
4	Signal Generator	R&S	SMW200A	KSEM020-1	08/22/2022	08/21/2023
5	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/22/2022	08/21/2023
6	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
7	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	08/22/2022	08/21/2023
8	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/22/2022	08/21/2023
9	Switcher	CCSRF	FY562	KUS2001M001-3	08/22/2022	08/21/2023
10	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
11	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/16/2022 01/14/2023	01/15/2023 01/13/2024
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	04/01/2021	03/31/2023
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	04/01/2021	03/31/2023
15	Software	BST	TST-PASS	/	N/A	N/A
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBEC K	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/22/2022	03/21/2023
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/17/2022 01/15/2023	01/16/2023 01/14/2024
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/14/2022	11/13/2023
13	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
14	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	08/22/2022	08/21/2023
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
16	Software	Faratronic	EZ_EMCC-v 3A1	/	N/A	N/A



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6 Radio Spectrum Matter Test Results

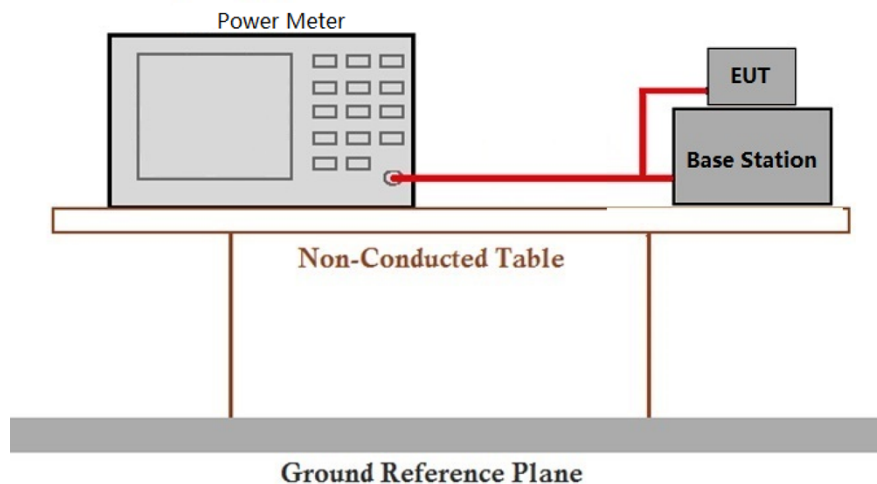
6.1 Effective (Isotropic) Radiated Output Power Data

Test Requirement: §2.1046; §96.41(b)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: EIRP ≤ 23dBm/10MHz

6.1.1 E.U.T. Operation

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

6.1.2 Test Setup Diagram



6.1.3 Measurement Data

Please refer to
 Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;
 Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
 Appendix C for KSCR2212002457AT-LTE-48C;
 Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
 Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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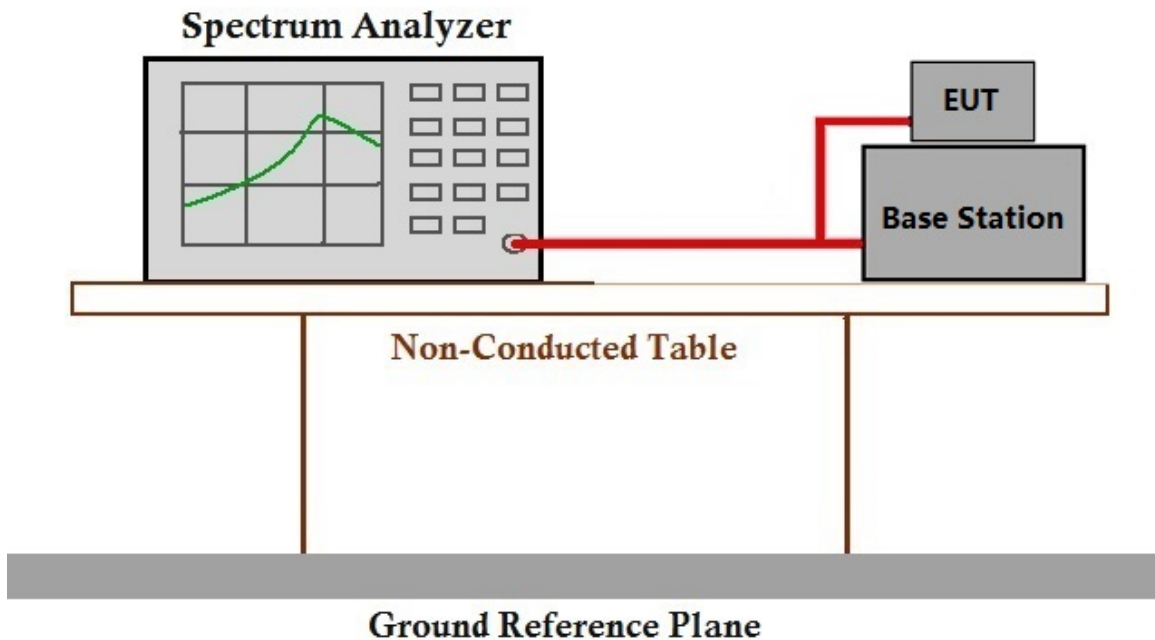
6.2 Peak-Average Ratio

Test Requirement: §96.41(g)
Test Method: ANSI C63.26, KDB 971168 D01 v03
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 Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



6.2.3 Measurement Data

Please refer to
Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;
Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
Appendix C for KSCR2212002457AT-LTE-48C;
Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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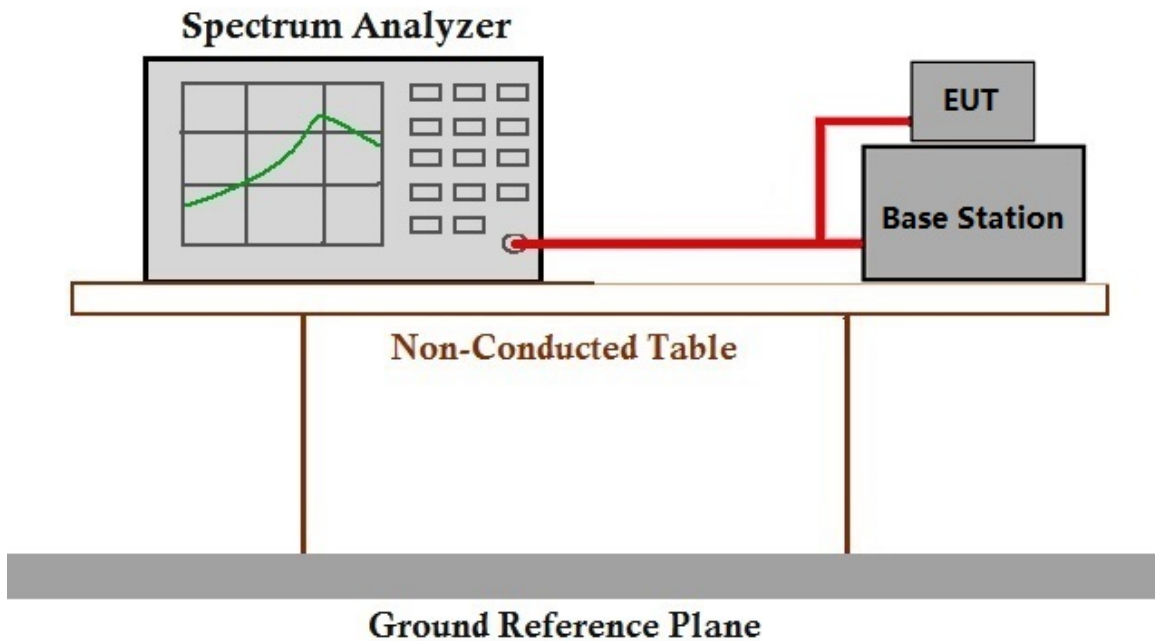
6.3 Bandwidth

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

6.3.2 Test Setup Diagram



6.3.3 Measurement Data

Please refer to
 Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;
 Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
 Appendix C for KSCR2212002457AT-LTE-48C;
 Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
 Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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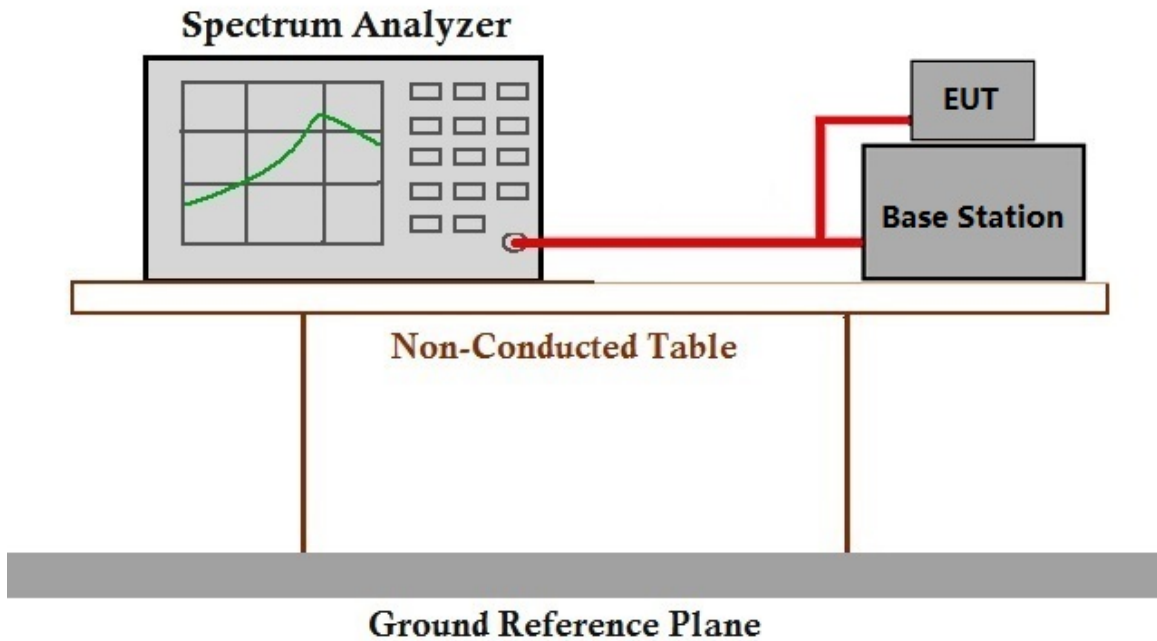
6.4 Band Edge Compliance

Test Requirement: §2.1051, §96.41(e)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz)
 At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz
 Emissions below 3530MHz or above 3720 MHz shall not exceed -40dBm/MHz

6.4.1 E.U.T. Operation

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

6.4.2 Test Setup Diagram



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6.4.3 Measurement Data

Please refer to

- Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;
- Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
- Appendix C for KSCR2212002457AT-LTE-48C;
- Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
- Appendix E for KSCR2212002457AT-FCC-NR48-ANT3

6.5 Spurious emissions at antenna terminals

- Test Requirement: §2.1051, §96.41(e)
- Test Method: ANSI C63.26, KDB 971168 D01 v03
- Limit: Emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz)
- At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz
- Emissions below 3530MHz or above 3720 MHz shall not exceed -40dBm/MHz

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.

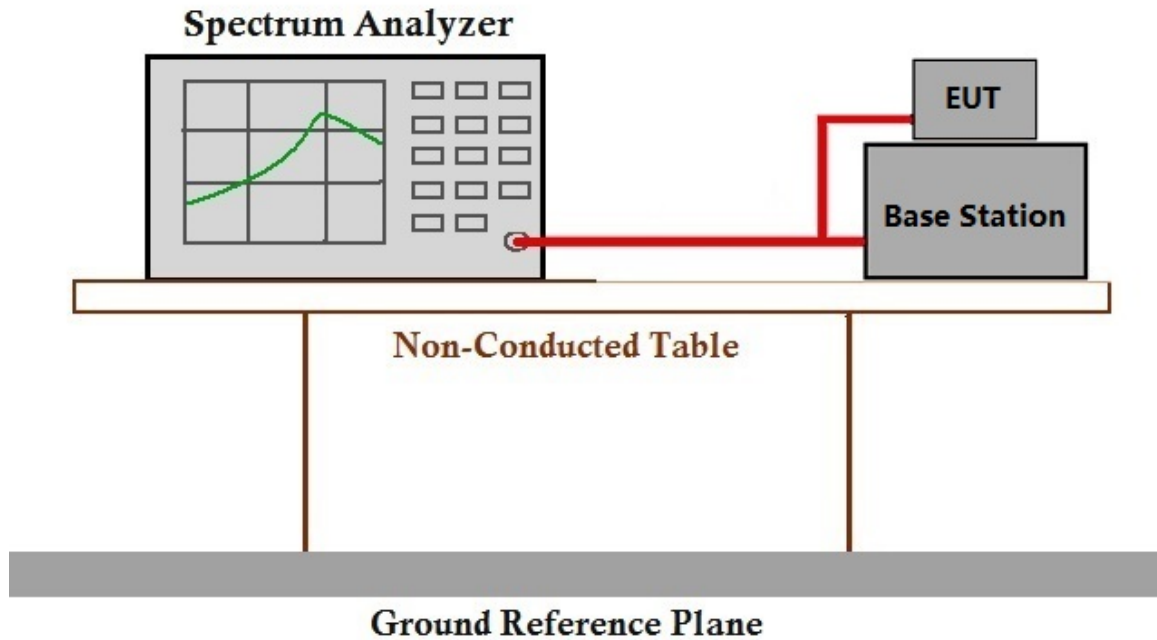


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6.5.2 Test Setup Diagram



6.5.3 Measurement Data

Please refer to

Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;

Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;

Appendix C for KSCR2212002457AT-LTE-48C;

Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;

Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §96.41(e)
Test Method: ANSI C63.26, KDB 971168 D01 v03
Limit: Emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz)
At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz
Emissions below 3530MHz or above 3720 MHz shall not exceed -40dBm/MHz

6.6.1 E.U.T. Operation

Operating Environment:
Temperature: 18.5 °C Humidity: 39.5 % RH Atmospheric Pressure: 1020 mbar
Test mode Tx mode, Keep the EUT in transmitting mode.

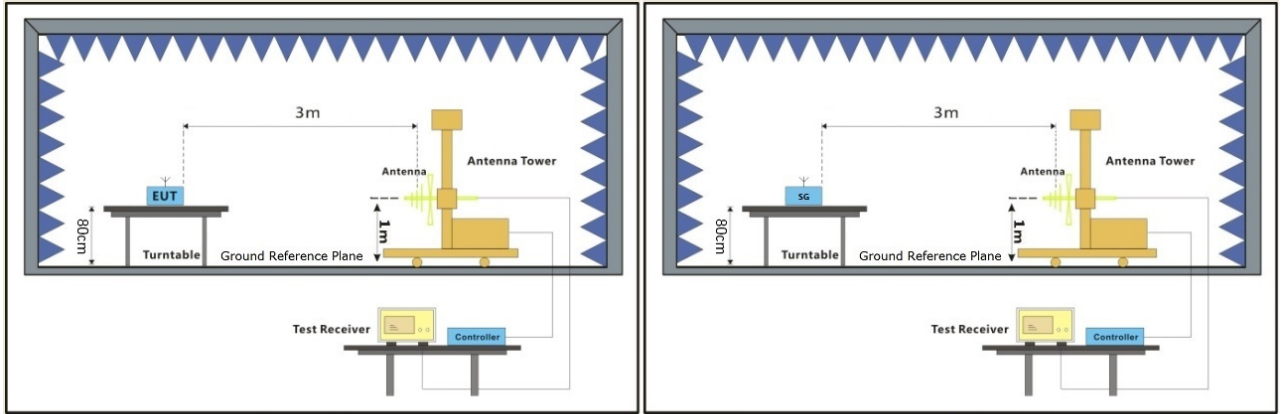


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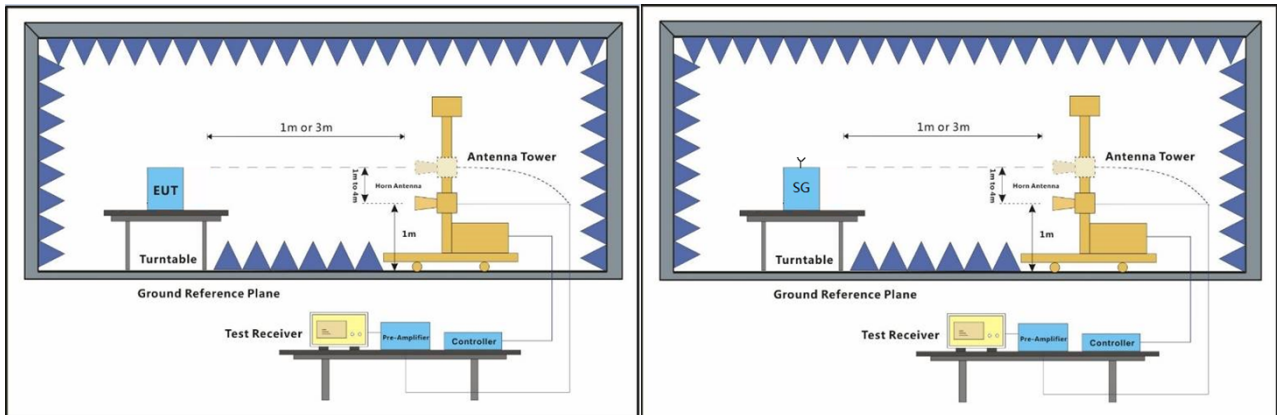
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6.6.2 Test Setup Diagram



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 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 48-Low channel Ant1				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7120.000	-56.00	-40	-16.00	Horizontal
10680.000	-55.98	-40	-15.98	Horizontal
14240.000	-51.86	-40	-11.86	Horizontal
7120.000	-55.52	-40	-15.52	Vertical
10680.000	-52.30	-40	-12.30	Vertical
14240.000	-50.28	-40	-10.28	Vertical

LTE Band 48-Middle channel Ant1				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7250.000	-57.95	-40	-17.95	Horizontal
10875.000	-54.02	-40	-14.02	Horizontal
14500.000	-49.92	-40	-9.92	Horizontal
7250.000	-54.99	-40	-14.99	Vertical
10875.000	-51.84	-40	-11.84	Vertical
14500.000	-50.37	-40	-10.37	Vertical

LTE Band 48-High channel Ant1				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7380.000	-58.60	-40	-18.60	Horizontal
11070.000	-55.28	-40	-15.28	Horizontal
14760.000	-51.42	-40	-11.42	Horizontal
7380.000	-56.96	-40	-16.96	Vertical
11070.000	-54.04	-40	-14.04	Vertical
14760.000	-50.10	-40	-10.10	Vertical



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LTE Band 48-Low channel Ant3				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7120.000	-59.23	-40	-19.23	Horizontal
10680.000	-54.10	-40	-14.10	Horizontal
14240.000	-51.55	-40	-11.55	Horizontal
7120.000	-58.48	-40	-18.48	Vertical
10680.000	-55.20	-40	-15.20	Vertical
14240.000	-50.72	-40	-10.72	Vertical

LTE Band 48-Middle channel Ant3				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7250.000	-58.90	-40	-18.90	Horizontal
10875.000	-56.21	-40	-16.21	Horizontal
14500.000	-50.75	-40	-10.75	Horizontal
7250.000	-57.33	-40	-17.33	Vertical
10875.000	-53.61	-40	-13.61	Vertical
14500.000	-50.87	-40	-10.87	Vertical

LTE Band 48-High channel Ant3				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7380.000	-58.94	-40	-18.94	Horizontal
11070.000	-55.86	-40	-15.86	Horizontal
14760.000	-51.71	-40	-11.71	Horizontal
7380.000	-59.53	-40	-19.53	Vertical
11070.000	-56.59	-40	-16.59	Vertical
14760.000	-49.31	-40	-9.31	Vertical



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LTE Band 48C- Low Channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7120	-54.96	-40	-14.96	Horizontal
10680	-51.07	-40	-11.07	Horizontal
14240	-49.36	-40	-9.36	Horizontal
7120	-53.70	-40	-13.70	Horizontal
10680	-50.47	-40	-10.47	Horizontal
14240	-48.36	-40	-8.36	Horizontal
7120	-53.68	-40	-13.68	Vertical
10680	-50.20	-40	-10.20	Vertical
14240	-48.15	-40	-8.15	Vertical
7120	-52.90	-40	-12.90	Vertical
10680	-49.83	-40	-9.83	Vertical
14240	-48.07	-40	-8.07	Vertical

LTE Band 48C-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7230.2	-52.74	-40	-12.74	Horizontal
10845.3	-50.48	-40	-10.48	Horizontal
14460.4	-48.87	-40	-8.87	Horizontal
7230.2	-51.10	-40	-11.10	Horizontal
10845.3	-49.29	-40	-9.29	Horizontal
14460.4	-48.53	-40	-8.53	Horizontal
7230.2	-53.77	-40	-13.77	Vertical
10845.3	-51.28	-40	-11.28	Vertical
14460.4	-49.89	-40	-9.89	Vertical
7230.2	-52.17	-40	-12.17	Vertical
10845.3	-50.87	-40	-10.87	Vertical
14460.4	-49.47	-40	-9.47	Vertical



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LTE Band 48C-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7340.4	-53.90	-40	-13.90	Horizontal
11010.6	-51.72	-40	-11.72	Horizontal
14680.8	-48.03	-40	-8.03	Horizontal
7340.4	-54.25	-40	-14.25	Horizontal
11010.6	-50.87	-40	-10.87	Horizontal
14680.8	-49.33	-40	-9.33	Horizontal
7340.4	-52.54	-40	-12.54	Vertical
11010.6	-50.28	-40	-10.28	Vertical
14680.8	-49.61	-40	-9.61	Vertical
7340.4	-53.75	-40	-13.75	Vertical
11010.6	-51.14	-40	-11.14	Vertical
14680.8	-49.17	-40	-9.17	Vertical

NR Band 48-Low channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7140.000	-57.28	-40	-17.28	Horizontal
10710.000	-56.61	-40	-16.61	Horizontal
14280.000	-50.89	-40	-10.89	Horizontal
7140.000	-56.82	-40	-16.82	Vertical
10710.000	-53.61	-40	-13.61	Vertical
14280.000	-49.65	-40	-9.65	Vertical

NR Band 48-Middle channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7249.980	-57.02	-40	-17.02	Horizontal
10874.970	-55.96	-40	-15.96	Horizontal
14499.960	-51.85	-40	-11.85	Horizontal
7249.980	-58.43	-40	-18.43	Vertical
10874.970	-54.46	-40	-14.46	Vertical
14499.960	-48.96	-40	-8.96	Vertical



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NR Band 48-High channel				
Frequency (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization
7359.960	-56.16	-40	-16.16	Horizontal
11039.940	-50.29	-40	-10.29	Horizontal
14719.92	-49.75	-40	-9.75	Horizontal
7359.960	-58.23	-40	-18.23	Vertical
11039.940	-55.28	-40	-15.28	Vertical
14719.92	-50.41	-40	-10.41	Vertical

Remark:

1) Pretest was performed at the EUT in required band,channel,modulation,bandwidth, and only the data of the worst case showed in the test report.



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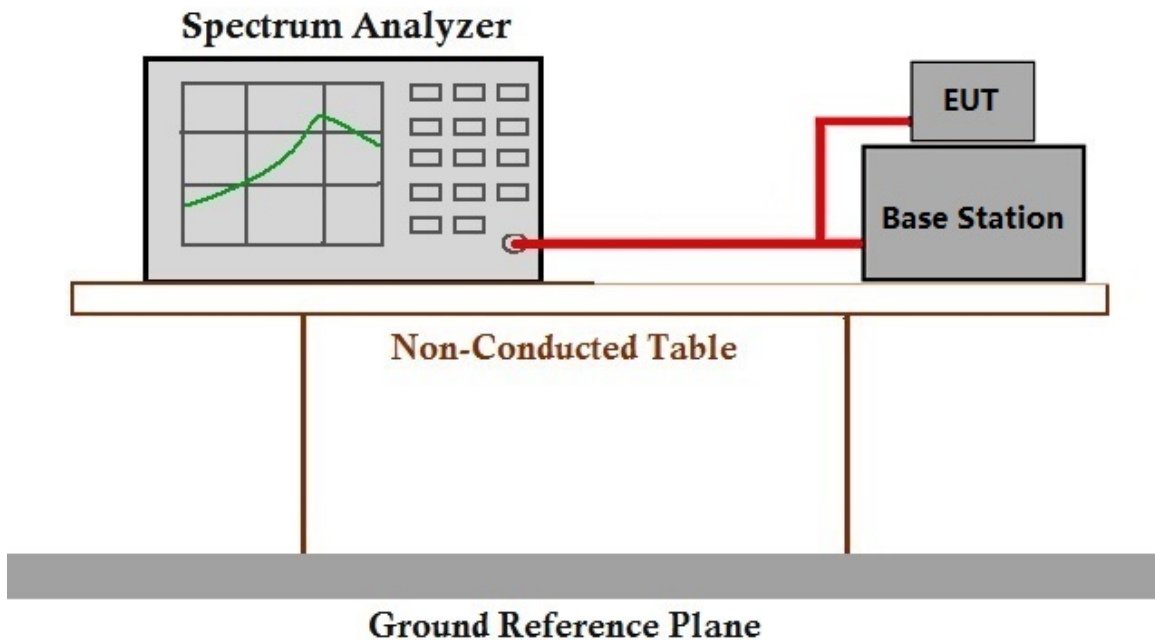
6.7 Frequency stability

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: 21.5 °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 A for KSCR2212002457AT-LTE-band_48_ANT1;
 Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
 Appendix C for KSCR2212002457AT-LTE-48C;
 Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
 Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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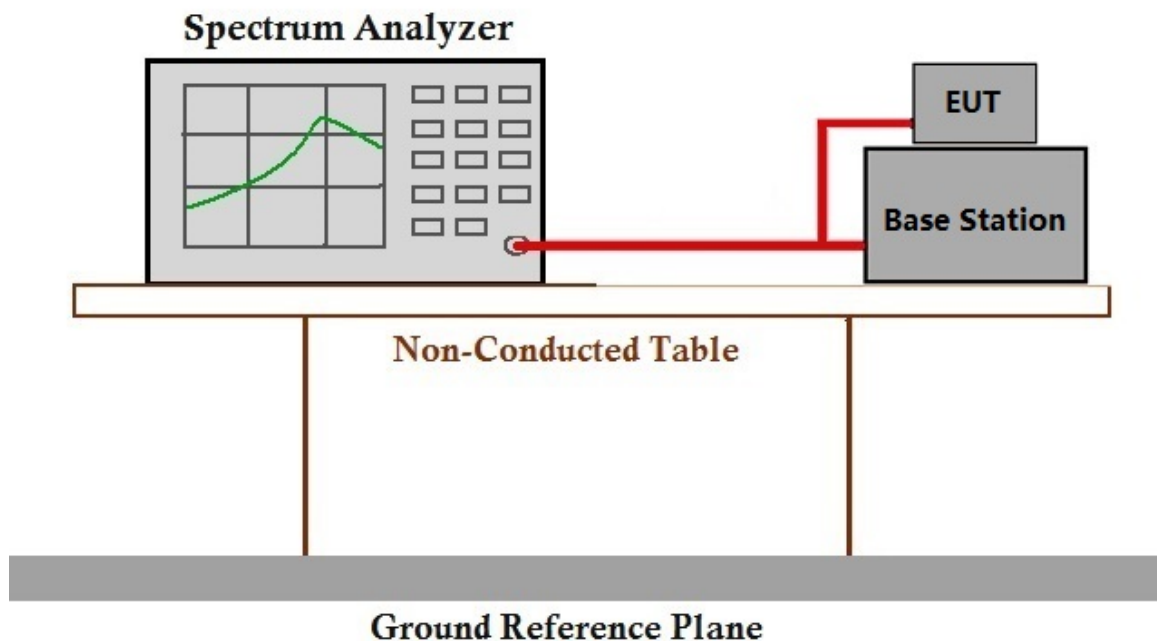
6.8 Modulation Characteristics

Test Requirement: §2.1047
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 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

Please refer to
 Appendix A for KSCR2212002457AT-LTE-band_48_ANT1;
 Appendix B for KSCR2212002457AT-LTE-band_48_ANT3;
 Appendix C for KSCR2212002457AT-LTE-48C;
 Appendix D for KSCR2212002457AT-FCC-NR48-ANT1;
 Appendix E for KSCR2212002457AT-FCC-NR48-ANT3



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7 Test Setup Photographs

Refer to the < Test Setup photos>.

- End of the Report -



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