



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR230900159901

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TEST REPORT

Application No.: KSCR2309001599AT
FCC ID: 2AU8HSRP620-B
Applicant: Smawave Technology Co. ,Ltd
Address of Applicant: 3/F, Building 8, 1001 North Qinzhou Road, Xuhui District, Shanghai,China
Manufacturer: Smawave Technology Co. ,Ltd
Address of Manufacturer: 3/F, Building 8, 1001 North Qinzhou Road, Xuhui District, Shanghai,China
Equipment Under Test (EUT):
EUT Name: 5G IP67 Ruggedized Router
Model No.: SRP620-b
Standard(s) : 47 CFR Part 2
47 CFR Part 96
Date of Receipt: 2023-09-12
Date of Test: 2023-09-14 to 2023-09-28
Date of Issue: 2023-10-08

Test Result:	Pass
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* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2023-10-13	/

Authorized for issue by:			
Tested By		<i>Damon Zhou</i>	
		_____ Damon Zhou / Project Engineer	
Approved By		<i>Terry Hou</i>	
		_____ Terry Hou / Reviewer	



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2 Test Summary

Test Item	FCC Rule No.	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §96.41	PASS
Peak-Average Ratio	§96.41	PASS
Modulation Characteristics	§2.1047	PASS
Bandwidth	§96.41	PASS
Band Edge Compliance	§2.1051 §96.41	PASS
Spurious emissions at antenna terminals	§2.1051 §96.41	PASS
Field strength of spurious radiation	§2.1051 §96.41	PASS
Frequency stability	§2.1055	PASS



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 24V by AC/DC power adapter Adapter Model: TPA289B-24240-US Input:100-240V~50/60Hz 0.7A Output:DC 24V 1A
Cable(s):	Power adapter cable: 1.2m unshielded cable without ferrite core DC converter cable: 2.1m unshielded cable without ferrite core DC to RJ45(female) cable: 2.1m unshielded cable without ferrite core
Hardware Version:	V1.0
Software Version:	SQXR60_V1.0
Sample Type:	Fixed production
EUT Type:	End user device
NR Operation Frequency Band:	SA: n48, n78(3550-3700MHz)
RF Output mode:	SISO
Modulation Type:	DFT-s-OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
NR Power Class:	Level 3
SCS:	30KHz for n48, n78
Antenna type:	External Antenna
Antenna Gain:	1.29dBi (Provided by manufacturer)
SIM Card:	This device has dual SIM Card slots. Both the SIM slots have been tested. SIM1 was worst case, only record SIM1.

Remark: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.

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4.2 Test Frequency

Test Mode	SCS	Carrier Bandwidth (MHz)	Carrier Frequency Configuration (MHz)		
			Low(L)	Middle(M)	High(H)
n48	30KHz	20	3560.01	3624.99	3690.00
	30KHz	40	3570.00	3624.99	3679.98

Test Mode	SCS	Carrier Bandwidth (MHz)	Carrier Frequency Configuration (MHz)		
			Low(L)	Middle(M)	High(H)
n78	30KHz	20	3560.01	3624.99	3690.00
	30KHz	30	3562.02	3624.99	3684.99
	30KHz	40	3570.00	3624.99	3679.98
	30KHz	50	3575.01	3624.99	3675.00
	30KHz	60	3580.02	3624.99	3669.99
	30KHz	70	3585.00	3624.99	3664.98
	30KHz	80	3590.01	3624.99	3660.00
	30KHz	90	3595.02	3624.99	3654.99
	30KHz	100	3600.00	3624.99	3649.98

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4.3 Test Support Unit

Description	Manufacture	Model No.	S/N
/	/	/	/
The EUT has been tested independent unit.			

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 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).

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



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5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/24/2023	08/23/2024
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/24/2023	08/23/2024
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	02/03/2023	02/02/2024
4	Signal Generator	R&S	SMBV100B	KSEM032	03/16/2023	03/15/2024
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/24/2023	08/23/2024
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/24/2023	08/23/2024
7	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/24/2023	08/23/2024
8	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/16/2023	03/15/2024
9	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/24/2023	08/23/2024
10	Switcher	CCSRF	FY562	KUS2001M001-3	08/24/2023	08/23/2024
11	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
13	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	02/03/2023	02/02/2024
14	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/24/2023	08/23/2024
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/22/2023	03/21/2024
16	Software	BST	TST-PASS	/	N/A	N/A
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/24/2023	08/23/2024
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	03/16/2023	03/15/2024
3	Signal Generator	Agilent	E8257C	KS301066	08/24/2023	08/23/2024
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	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	08/24/2023	08/23/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/21/2023	02/20/2024
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	02/26/2023	02/25/2024
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/17/2023	01/16/2024
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/21/2023	01/20/2024
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	08/24/2023	08/23/2024
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	03/22/2023	03/21/2024
14	Software	Faratronic	EZ EMC-v3A1	/	N/A	N/A
15	Software	ESE	E3_V 6.111221a	/	N/A	N/A

6 Radio Spectrum Matter Test Results

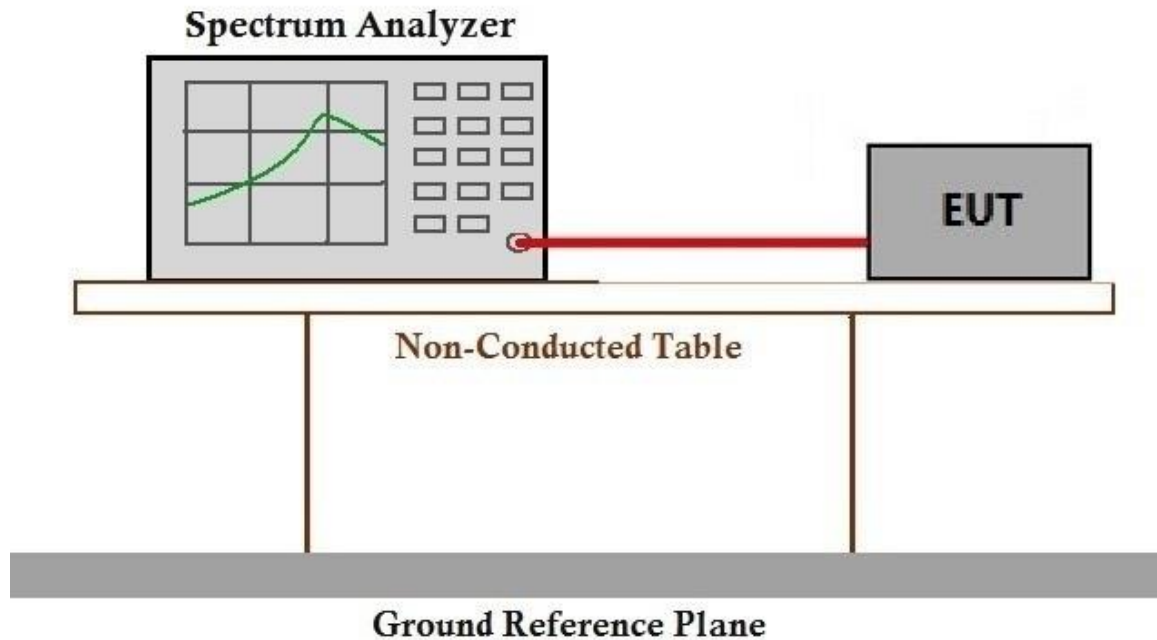
6.1 Effective (Isotropic) Radiated Power Output Data

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

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: 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 KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)&
 Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)

6.2 Peak-Average Ratio

Test Requirement: §96.41
Test Method: ANSI C63.26, KDB 971168 D01 v03
Limit: ≤13dB

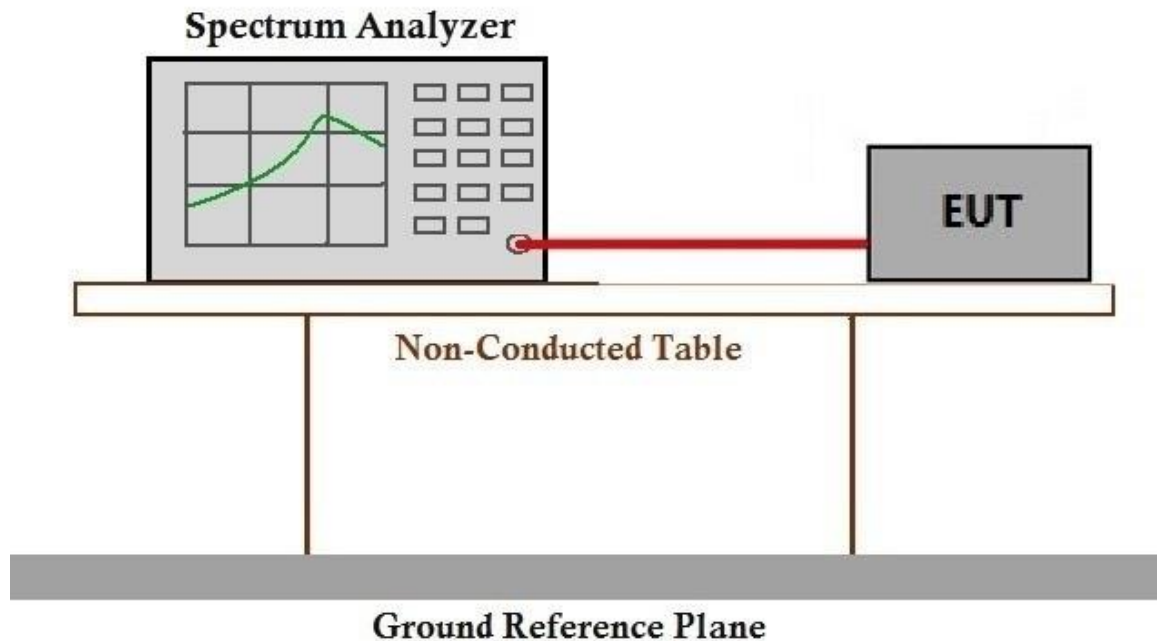
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: 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 KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)&
Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)

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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

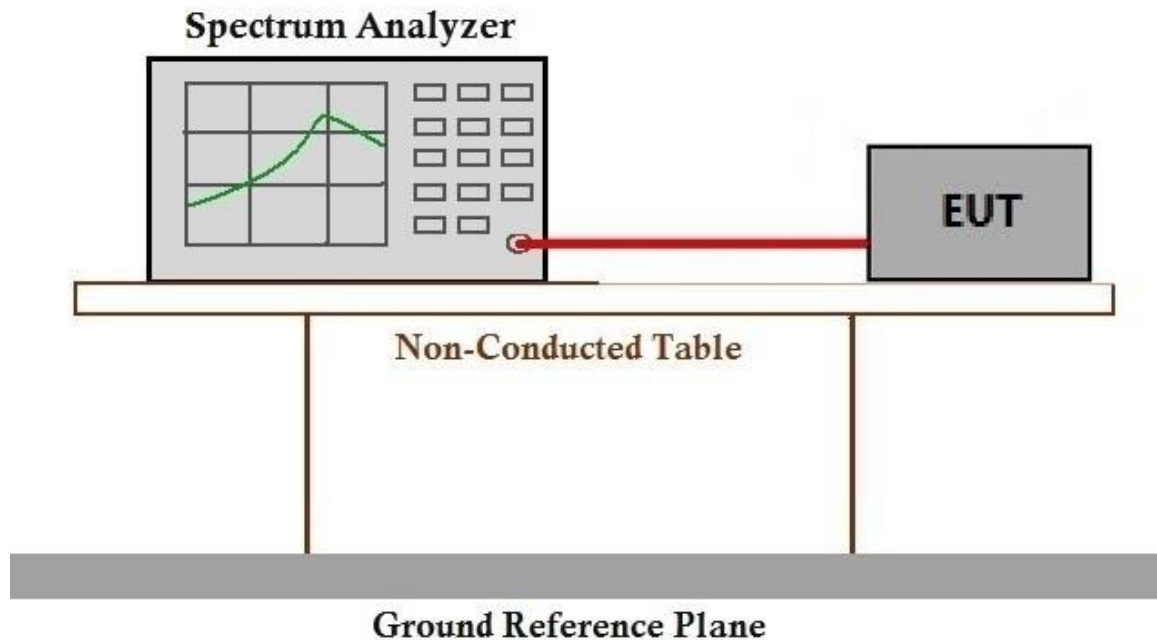
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: 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 KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)&
Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)

6.4 Band Edge Compliance

Test Requirement: §2.1051, §96.41

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

Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.

Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

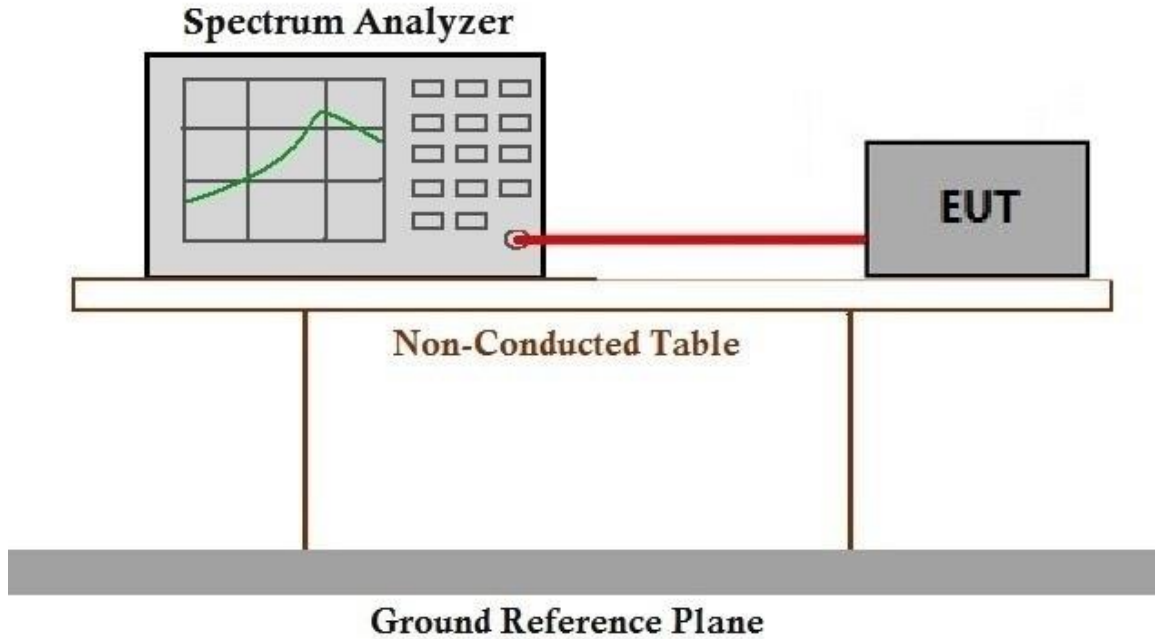
6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



6.4.3 Measurement Data

Please refer to Appendix A for KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)& Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)

6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §96.41

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

Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.

Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

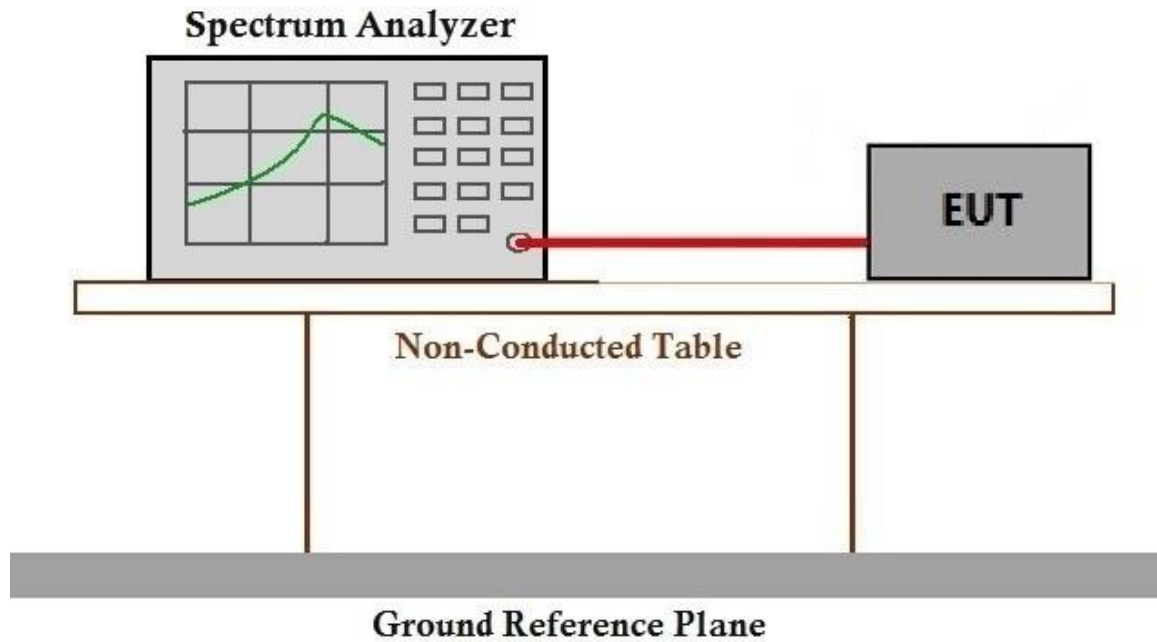
6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



6.5.3 Measurement Data

Please refer to Appendix A for KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)& Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)

6.6 Field strength of spurious radiation

Test Requirement: §2.1053, §96.41

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

Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.

Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

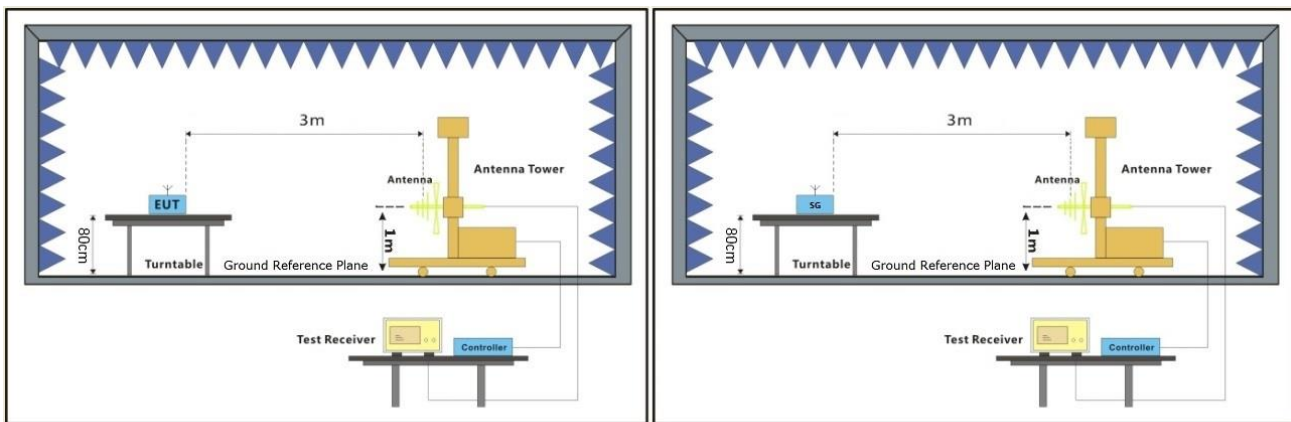
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 51.5 % RH Atmospheric Pressure: 1012 mbar

Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.6.2 Test Setup Diagram



EUT

Substiute Antenna+Signal Generator

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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n48(3550-3700MHz)-20MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
383.4	Horizontal	-68.91	-40	-28.91	Pass
576.1	Horizontal	-63.85	-40	-23.85	Pass
936.8	Horizontal	-56.48	-40	-16.48	Pass
1343.2	Horizontal	-61.50	-40	-21.50	Pass
2773.7	Horizontal	-51.05	-40	-11.05	Pass
6481.9	Horizontal	-49.81	-40	-9.81	Pass
375.9	Vertical	-68.74	-40	-28.74	Pass
564.8	Vertical	-66.40	-40	-26.40	Pass
973.3	Vertical	-57.68	-40	-17.68	Pass
1345.7	Vertical	-60.85	-40	-20.85	Pass
2774.1	Vertical	-54.47	-40	-14.47	Pass
6481.9	Vertical	-50.35	-40	-10.35	Pass

n48(3550-3700MHz)-20MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
365.5	Horizontal	-70.88	-40	-30.88	Pass
593.4	Horizontal	-63.09	-40	-23.09	Pass
955.8	Horizontal	-59.67	-40	-19.67	Pass
1325.4	Horizontal	-56.08	-40	-16.08	Pass
2744.7	Horizontal	-52.45	-40	-12.45	Pass
6499.9	Horizontal	-51.25	-40	-11.25	Pass
360.9	Vertical	-68.95	-40	-28.95	Pass
579.3	Vertical	-63.73	-40	-23.73	Pass
957.1	Vertical	-60.43	-40	-20.43	Pass
1332.5	Vertical	-61.68	-40	-21.68	Pass
2725.6	Vertical	-53.82	-40	-13.82	Pass
6508.6	Vertical	-50.69	-40	-10.69	Pass



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n48(3550-3700MHz)-20MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
391.9	Horizontal	-69.72	-40	-29.72	Pass
595.7	Horizontal	-65.58	-40	-25.58	Pass
968.4	Horizontal	-60.55	-40	-20.55	Pass
1336.9	Horizontal	-59.10	-40	-19.10	Pass
2755.2	Horizontal	-54.62	-40	-14.62	Pass
6501.8	Horizontal	-48.39	-40	-8.39	Pass
378.3	Vertical	-71.87	-40	-31.87	Pass
577.5	Vertical	-66.19	-40	-26.19	Pass
948.3	Vertical	-61.59	-40	-21.59	Pass
1352.1	Vertical	-59.16	-40	-19.16	Pass
2771.4	Vertical	-51.15	-40	-11.15	Pass
6484.3	Vertical	-49.06	-40	-9.06	Pass

n48(3550-3700MHz)-40MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
384.7	Horizontal	-69.32	-40	-29.32	Pass
585.1	Horizontal	-64.54	-40	-24.54	Pass
961.0	Horizontal	-59.61	-40	-19.61	Pass
1339.0	Horizontal	-61.90	-40	-21.90	Pass
2744.9	Horizontal	-56.30	-40	-16.30	Pass
6515.2	Horizontal	-50.25	-40	-10.25	Pass
392.7	Vertical	-67.77	-40	-27.77	Pass
563.9	Vertical	-62.24	-40	-22.24	Pass
930.3	Vertical	-60.29	-40	-20.29	Pass
1354.4	Vertical	-56.23	-40	-16.23	Pass
2756.0	Vertical	-51.88	-40	-11.88	Pass
6499.2	Vertical	-50.92	-40	-10.92	Pass



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n48(3550-3700MHz)-40MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
362.9	Horizontal	-68.26	-40	-28.26	Pass
577.2	Horizontal	-64.15	-40	-24.15	Pass
945.7	Horizontal	-58.09	-40	-18.09	Pass
1354.3	Horizontal	-57.43	-40	-17.43	Pass
2730.0	Horizontal	-52.83	-40	-12.83	Pass
6504.3	Horizontal	-49.03	-40	-9.03	Pass
403.5	Vertical	-70.24	-40	-30.24	Pass
590.1	Vertical	-62.91	-40	-22.91	Pass
960.5	Vertical	-60.38	-40	-20.38	Pass
1337.3	Vertical	-57.86	-40	-17.86	Pass
2773.4	Vertical	-53.24	-40	-13.24	Pass
6515.1	Vertical	-51.85	-40	-11.85	Pass

n48(3550-3700MHz)-40MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
387.3	Horizontal	-70.57	-40	-30.57	Pass
561.0	Horizontal	-66.57	-40	-26.57	Pass
946.7	Horizontal	-60.25	-40	-20.25	Pass
1325.6	Horizontal	-56.31	-40	-16.31	Pass
2738.0	Horizontal	-55.52	-40	-15.52	Pass
6498.5	Horizontal	-50.09	-40	-10.09	Pass
386.3	Vertical	-69.70	-40	-29.70	Pass
591.9	Vertical	-64.12	-40	-24.12	Pass
963.0	Vertical	-56.28	-40	-16.28	Pass
1335.1	Vertical	-56.11	-40	-16.11	Pass
2752.7	Vertical	-52.72	-40	-12.72	Pass
6513.5	Vertical	-51.23	-40	-11.23	Pass



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n78(3550-3700MHz)-20MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
404.5	Horizontal	-68.40	-40	-28.40	Pass
579.0	Horizontal	-66.84	-40	-26.84	Pass
954.1	Horizontal	-60.61	-40	-20.61	Pass
1369.7	Horizontal	-60.15	-40	-20.15	Pass
2735.0	Horizontal	-55.71	-40	-15.71	Pass
6514.5	Horizontal	-51.87	-40	-11.87	Pass
389.2	Vertical	-66.02	-40	-26.02	Pass
597.7	Vertical	-62.37	-40	-22.37	Pass
931.5	Vertical	-57.75	-40	-17.75	Pass
1372.3	Vertical	-58.43	-40	-18.43	Pass
2747.2	Vertical	-55.50	-40	-15.50	Pass
6480.5	Vertical	-49.88	-40	-9.88	Pass

n78(3550-3700MHz)-20MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
410.5	Horizontal	-67.42	-40	-27.42	Pass
601.6	Horizontal	-66.08	-40	-26.08	Pass
944.6	Horizontal	-56.89	-40	-16.89	Pass
1371.1	Horizontal	-58.30	-40	-18.30	Pass
2755.7	Horizontal	-53.83	-40	-13.83	Pass
6496.3	Horizontal	-49.32	-40	-9.32	Pass
381.4	Vertical	-70.93	-40	-30.93	Pass
589.0	Vertical	-64.00	-40	-24.00	Pass
953.4	Vertical	-56.87	-40	-16.87	Pass
1346.7	Vertical	-59.08	-40	-19.08	Pass
2752.4	Vertical	-52.13	-40	-12.13	Pass
6481.7	Vertical	-49.70	-40	-9.70	Pass



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n78(3550-3700MHz)-20MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
369.4	Horizontal	-71.63	-40	-31.63	Pass
580.1	Horizontal	-64.14	-40	-24.14	Pass
954.6	Horizontal	-56.82	-40	-16.82	Pass
1370.8	Horizontal	-60.16	-40	-20.16	Pass
2750.8	Horizontal	-55.61	-40	-15.61	Pass
6512.0	Horizontal	-51.07	-40	-11.07	Pass
371.7	Vertical	-68.31	-40	-28.31	Pass
584.7	Vertical	-64.23	-40	-24.23	Pass
958.4	Vertical	-61.15	-40	-21.15	Pass
1371.8	Vertical	-61.04	-40	-21.04	Pass
2773.7	Vertical	-53.56	-40	-13.56	Pass
6488.2	Vertical	-50.53	-40	-10.53	Pass

n78(3550-3700MHz)-30MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
408.7	Horizontal	-68.61	-40	-28.61	Pass
575.1	Horizontal	-61.46	-40	-21.46	Pass
928.5	Horizontal	-57.39	-40	-17.39	Pass
1332.7	Horizontal	-58.32	-40	-18.32	Pass
2730.9	Horizontal	-56.22	-40	-16.22	Pass
6512.6	Horizontal	-50.32	-40	-10.32	Pass
403.6	Vertical	-67.18	-40	-27.18	Pass
585.1	Vertical	-64.57	-40	-24.57	Pass
974.0	Vertical	-61.10	-40	-21.10	Pass
1356.4	Vertical	-57.10	-40	-17.10	Pass
2759.9	Vertical	-54.20	-40	-14.20	Pass
6478.8	Vertical	-50.67	-40	-10.67	Pass

n78(3550-3700MHz)-30MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
398.8	Horizontal	-70.98	-40	-30.98	Pass
575.0	Horizontal	-61.47	-40	-21.47	Pass
968.0	Horizontal	-58.32	-40	-18.32	Pass
1348.1	Horizontal	-58.48	-40	-18.48	Pass
2748.6	Horizontal	-56.58	-40	-16.58	Pass
6508.3	Horizontal	-49.63	-40	-9.63	Pass
356.6	Vertical	-68.12	-40	-28.12	Pass
609.9	Vertical	-63.36	-40	-23.36	Pass
949.6	Vertical	-58.66	-40	-18.66	Pass
1348.8	Vertical	-56.71	-40	-16.71	Pass
2739.5	Vertical	-54.60	-40	-14.60	Pass
6483.9	Vertical	-49.59	-40	-9.59	Pass

n78(3550-3700MHz)-30MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
370.6	Horizontal	-69.26	-40	-29.26	Pass
596.9	Horizontal	-65.05	-40	-25.05	Pass
968.7	Horizontal	-60.03	-40	-20.03	Pass
1335.3	Horizontal	-61.81	-40	-21.81	Pass
2735.8	Horizontal	-53.57	-40	-13.57	Pass
6511.1	Horizontal	-49.41	-40	-9.41	Pass
376.2	Vertical	-70.66	-40	-30.66	Pass
594.7	Vertical	-61.98	-40	-21.98	Pass
947.5	Vertical	-57.40	-40	-17.40	Pass
1358.3	Vertical	-57.91	-40	-17.91	Pass
2764.6	Vertical	-55.65	-40	-15.65	Pass
6482.0	Vertical	-49.41	-40	-9.41	Pass

n78(3550-3700MHz)-40MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
405.9	Horizontal	-68.72	-40	-28.72	Pass
596.7	Horizontal	-64.46	-40	-24.46	Pass
942.5	Horizontal	-59.74	-40	-19.74	Pass
1364.8	Horizontal	-61.98	-40	-21.98	Pass
2765.9	Horizontal	-53.94	-40	-13.94	Pass
6504.3	Horizontal	-50.65	-40	-10.65	Pass
400.7	Vertical	-66.43	-40	-26.43	Pass
609.9	Vertical	-64.80	-40	-24.80	Pass
941.7	Vertical	-61.49	-40	-21.49	Pass
1354.4	Vertical	-61.07	-40	-21.07	Pass
2762.8	Vertical	-52.42	-40	-12.42	Pass
6497.7	Vertical	-51.74	-40	-11.74	Pass

n78(3550-3700MHz)-40MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
381.8	Horizontal	-71.75	-40	-31.75	Pass
560.0	Horizontal	-63.70	-40	-23.70	Pass
966.7	Horizontal	-60.66	-40	-20.66	Pass
1333.9	Horizontal	-58.05	-40	-18.05	Pass
2729.6	Horizontal	-55.87	-40	-15.87	Pass
6519.7	Horizontal	-50.66	-40	-10.66	Pass
378.9	Vertical	-66.34	-40	-26.34	Pass
566.5	Vertical	-65.91	-40	-25.91	Pass
963.9	Vertical	-59.03	-40	-19.03	Pass
1347.1	Vertical	-59.97	-40	-19.97	Pass
2729.6	Vertical	-54.21	-40	-14.21	Pass
6494.4	Vertical	-51.67	-40	-11.67	Pass

n78(3550-3700MHz)-40MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
382.9	Horizontal	-70.98	-40	-30.98	Pass
601.8	Horizontal	-65.33	-40	-25.33	Pass
956.8	Horizontal	-59.40	-40	-19.40	Pass
1358.5	Horizontal	-59.97	-40	-19.97	Pass
2764.0	Horizontal	-52.63	-40	-12.63	Pass
6490.6	Horizontal	-51.91	-40	-11.91	Pass
357.8	Vertical	-71.25	-40	-31.25	Pass
574.6	Vertical	-62.54	-40	-22.54	Pass
931.9	Vertical	-60.22	-40	-20.22	Pass
1362.5	Vertical	-61.13	-40	-21.13	Pass
2749.2	Vertical	-55.56	-40	-15.56	Pass
6513.0	Vertical	-49.95	-40	-9.95	Pass

n78(3550-3700MHz)-50MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
393.1	Horizontal	-67.37	-40	-27.37	Pass
560.2	Horizontal	-62.69	-40	-22.69	Pass
968.0	Horizontal	-60.32	-40	-20.32	Pass
1330.3	Horizontal	-57.83	-40	-17.83	Pass
2731.8	Horizontal	-54.62	-40	-14.62	Pass
6512.8	Horizontal	-48.75	-40	-8.75	Pass
374.2	Vertical	-70.42	-40	-30.42	Pass
596.9	Vertical	-66.70	-40	-26.70	Pass
953.6	Vertical	-57.10	-40	-17.10	Pass
1361.0	Vertical	-56.17	-40	-16.17	Pass
2774.2	Vertical	-52.31	-40	-12.31	Pass
6518.6	Vertical	-49.10	-40	-9.10	Pass

n78(3550-3700MHz)-50MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
396.6	Horizontal	-67.53	-40	-27.53	Pass
604.9	Horizontal	-65.36	-40	-25.36	Pass
965.8	Horizontal	-59.65	-40	-19.65	Pass
1352.2	Horizontal	-58.72	-40	-18.72	Pass
2732.3	Horizontal	-54.69	-40	-14.69	Pass
6487.5	Horizontal	-48.95	-40	-8.95	Pass
376.6	Vertical	-68.30	-40	-28.30	Pass
583.2	Vertical	-66.42	-40	-26.42	Pass
946.1	Vertical	-60.21	-40	-20.21	Pass
1372.6	Vertical	-57.69	-40	-17.69	Pass
2750.3	Vertical	-55.48	-40	-15.48	Pass
6495.4	Vertical	-49.47	-40	-9.47	Pass

n78(3550-3700MHz)-50MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
396.2	Horizontal	-68.55	-40	-28.55	Pass
580.6	Horizontal	-65.77	-40	-25.77	Pass
925.8	Horizontal	-59.44	-40	-19.44	Pass
1333.5	Horizontal	-57.70	-40	-17.70	Pass
2757.1	Horizontal	-54.47	-40	-14.47	Pass
6489.3	Horizontal	-49.52	-40	-9.52	Pass
385.4	Vertical	-70.81	-40	-30.81	Pass
599.5	Vertical	-65.11	-40	-25.11	Pass
928.7	Vertical	-60.62	-40	-20.62	Pass
1330.2	Vertical	-57.85	-40	-17.85	Pass
2745.7	Vertical	-51.55	-40	-11.55	Pass
6524.5	Vertical	-49.04	-40	-9.04	Pass

n78(3550-3700MHz)-60MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
362.3	Horizontal	-68.63	-40	-28.63	Pass
572.2	Horizontal	-65.40	-40	-25.40	Pass
949.6	Horizontal	-57.24	-40	-17.24	Pass
1358.5	Horizontal	-59.85	-40	-19.85	Pass
2758.5	Horizontal	-52.15	-40	-12.15	Pass
6505.7	Horizontal	-50.30	-40	-10.30	Pass
373.7	Vertical	-69.87	-40	-29.87	Pass
575.7	Vertical	-64.32	-40	-24.32	Pass
946.3	Vertical	-57.06	-40	-17.06	Pass
1346.3	Vertical	-58.74	-40	-18.74	Pass
2750.3	Vertical	-53.72	-40	-13.72	Pass
6516.5	Vertical	-50.09	-40	-10.09	Pass

n78(3550-3700MHz)-60MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
378.9	Horizontal	-70.76	-40	-30.76	Pass
588.3	Horizontal	-64.97	-40	-24.97	Pass
963.7	Horizontal	-61.05	-40	-21.05	Pass
1344.0	Horizontal	-58.81	-40	-18.81	Pass
2737.6	Horizontal	-56.48	-40	-16.48	Pass
6489.3	Horizontal	-48.97	-40	-8.97	Pass
370.5	Vertical	-71.96	-40	-31.96	Pass
573.3	Vertical	-63.63	-40	-23.63	Pass
946.5	Vertical	-60.91	-40	-20.91	Pass
1360.6	Vertical	-60.35	-40	-20.35	Pass
2763.8	Vertical	-53.91	-40	-13.91	Pass
6500.8	Vertical	-50.30	-40	-10.30	Pass

n78(3550-3700MHz)-60MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization			
381.2	Horizontal	-66.18	-40	-26.18	Pass
560.3	Horizontal	-61.10	-40	-21.10	Pass
960.7	Horizontal	-56.49	-40	-16.49	Pass
1364.1	Horizontal	-57.80	-40	-17.80	Pass
2763.8	Horizontal	-53.63	-40	-13.63	Pass
6491.7	Horizontal	-50.67	-40	-10.67	Pass
383.1	Vertical	-71.63	-40	-31.63	Pass
576.3	Vertical	-62.53	-40	-22.53	Pass
955.9	Vertical	-61.43	-40	-21.43	Pass
1329.4	Vertical	-58.65	-40	-18.65	Pass
2758.7	Vertical	-52.71	-40	-12.71	Pass
6485.6	Vertical	-48.08	-40	-8.08	Pass

n78(3550-3700MHz)-70MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization			
379.2	Horizontal	-67.10	-40	-27.10	Pass
583.8	Horizontal	-61.48	-40	-21.48	Pass
961.7	Horizontal	-60.78	-40	-20.78	Pass
1364.3	Horizontal	-61.76	-40	-21.76	Pass
2750.1	Horizontal	-52.37	-40	-12.37	Pass
6507.3	Horizontal	-51.29	-40	-11.29	Pass
380.2	Vertical	-67.69	-40	-27.69	Pass
565.8	Vertical	-61.00	-40	-21.00	Pass
945.9	Vertical	-56.05	-40	-16.05	Pass
1351.1	Vertical	-61.63	-40	-21.63	Pass
2760.7	Vertical	-56.86	-40	-16.86	Pass
6489.6	Vertical	-51.95	-40	-11.95	Pass



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n78(3550-3700MHz)-70MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
380.4	Horizontal	-71.23	-40	-31.23	Pass
584.4	Horizontal	-65.81	-40	-25.81	Pass
930.1	Horizontal	-59.84	-40	-19.84	Pass
1371.5	Horizontal	-56.61	-40	-16.61	Pass
2745.0	Horizontal	-53.51	-40	-13.51	Pass
6479.6	Horizontal	-49.68	-40	-9.68	Pass
400.6	Vertical	-67.31	-40	-27.31	Pass
587.7	Vertical	-65.07	-40	-25.07	Pass
934.4	Vertical	-61.33	-40	-21.33	Pass
1359.1	Vertical	-57.05	-40	-17.05	Pass
2773.2	Vertical	-55.38	-40	-15.38	Pass
6479.2	Vertical	-48.31	-40	-8.31	Pass

n78(3550-3700MHz)-70MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
369.8	Horizontal	-70.46	-40	-30.46	Pass
581.3	Horizontal	-65.97	-40	-25.97	Pass
969.2	Horizontal	-57.36	-40	-17.36	Pass
1339.6	Horizontal	-57.49	-40	-17.49	Pass
2753.6	Horizontal	-53.98	-40	-13.98	Pass
6510.3	Horizontal	-48.61	-40	-8.61	Pass
373.4	Vertical	-67.46	-40	-27.46	Pass
610.5	Vertical	-63.56	-40	-23.56	Pass
950.6	Vertical	-57.78	-40	-17.78	Pass
1362.4	Vertical	-59.50	-40	-19.50	Pass
2735.9	Vertical	-53.12	-40	-13.12	Pass
6476.0	Vertical	-49.55	-40	-9.55	Pass



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Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
380.7	Horizontal	-69.15	-40	-29.15	Pass
575.9	Horizontal	-65.19	-40	-25.19	Pass
946.2	Horizontal	-57.39	-40	-17.39	Pass
1328.3	Horizontal	-56.86	-40	-16.86	Pass
2750.5	Horizontal	-51.20	-40	-11.20	Pass
6521.5	Horizontal	-49.17	-40	-9.17	Pass
398.6	Vertical	-66.96	-40	-26.96	Pass
599.6	Vertical	-61.88	-40	-21.88	Pass
960.3	Vertical	-59.22	-40	-19.22	Pass
1362.8	Vertical	-59.11	-40	-19.11	Pass
2739.9	Vertical	-51.06	-40	-11.06	Pass
6521.4	Vertical	-50.88	-40	-10.88	Pass

n78(3550-3700MHz)-80MHz Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
398.4	Horizontal	-66.56	-40	-26.56	Pass
590.6	Horizontal	-63.88	-40	-23.88	Pass
951.1	Horizontal	-56.24	-40	-16.24	Pass
1350.7	Horizontal	-56.64	-40	-16.64	Pass
2727.8	Horizontal	-51.49	-40	-11.49	Pass
6497.8	Horizontal	-50.74	-40	-10.74	Pass
387.8	Vertical	-71.26	-40	-31.26	Pass
587.3	Vertical	-61.75	-40	-21.75	Pass
974.9	Vertical	-60.73	-40	-20.73	Pass
1371.5	Vertical	-59.85	-40	-19.85	Pass
2772.3	Vertical	-54.49	-40	-14.49	Pass
6519.0	Vertical	-49.74	-40	-9.74	Pass



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n78(3550-3700MHz)-80MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
402.0	Horizontal	-66.50	-40	-26.50	Pass
560.3	Horizontal	-63.42	-40	-23.42	Pass
947.0	Horizontal	-57.00	-40	-17.00	Pass
1358.2	Horizontal	-59.18	-40	-19.18	Pass
2747.9	Horizontal	-52.73	-40	-12.73	Pass
6502.9	Horizontal	-48.20	-40	-8.20	Pass
401.8	Vertical	-70.13	-40	-30.13	Pass
571.8	Vertical	-61.27	-40	-21.27	Pass
948.2	Vertical	-60.70	-40	-20.70	Pass
1328.5	Vertical	-56.96	-40	-16.96	Pass
2774.7	Vertical	-51.93	-40	-11.93	Pass
6521.9	Vertical	-49.07	-40	-9.07	Pass

n78(3550-3700MHz)-90MHz Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
	MHz	Polarization	dBm	dB	
369.4	Horizontal	-68.08	-40	-28.08	Pass
596.6	Horizontal	-62.58	-40	-22.58	Pass
968.2	Horizontal	-58.70	-40	-18.70	Pass
1362.3	Horizontal	-59.95	-40	-19.95	Pass
2749.0	Horizontal	-53.68	-40	-13.68	Pass
6479.8	Horizontal	-51.98	-40	-11.98	Pass
385.1	Vertical	-67.97	-40	-27.97	Pass
564.1	Vertical	-61.92	-40	-21.92	Pass
928.7	Vertical	-56.47	-40	-16.47	Pass
1351.3	Vertical	-57.30	-40	-17.30	Pass
2763.1	Vertical	-53.34	-40	-13.34	Pass
6519.9	Vertical	-51.35	-40	-11.35	Pass

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n78(3550-3700MHz)-90MHz Middle Channel					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
408.8	Horizontal	-70.98	-40	-30.98	Pass
572.1	Horizontal	-65.13	-40	-25.13	Pass
953.8	Horizontal	-58.63	-40	-18.63	Pass
1359.6	Horizontal	-60.42	-40	-20.42	Pass
2740.8	Horizontal	-54.08	-40	-14.08	Pass
6502.7	Horizontal	-48.48	-40	-8.48	Pass
391.6	Vertical	-66.11	-40	-26.11	Pass
584.6	Vertical	-63.64	-40	-23.64	Pass
956.5	Vertical	-56.08	-40	-16.08	Pass
1349.3	Vertical	-57.28	-40	-17.28	Pass
2742.3	Vertical	-55.91	-40	-15.91	Pass
6479.3	Vertical	-48.70	-40	-8.70	Pass

n78(3550-3700MHz)-90MHz High Channel					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
381.4	Horizontal	-66.36	-40	-26.36	Pass
563.8	Horizontal	-64.93	-40	-24.93	Pass
946.5	Horizontal	-59.79	-40	-19.79	Pass
1361.2	Horizontal	-58.12	-40	-18.12	Pass
2744.5	Horizontal	-56.12	-40	-16.12	Pass
6520.9	Horizontal	-50.11	-40	-10.11	Pass
370.4	Vertical	-66.40	-40	-26.40	Pass
598.6	Vertical	-64.43	-40	-24.43	Pass
941.9	Vertical	-61.64	-40	-21.64	Pass
1351.4	Vertical	-59.58	-40	-19.58	Pass
2734.1	Vertical	-56.65	-40	-16.65	Pass
6484.0	Vertical	-50.61	-40	-10.61	Pass

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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.



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n78(3550-3700MHz)-100MHz Low Channel					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization	Level			
MHz	Polarization	dBm	dBm	dB	
373.9	Horizontal	-67.01	-40	-27.01	Pass
571.2	Horizontal	-65.85	-40	-25.85	Pass
926.6	Horizontal	-59.46	-40	-19.46	Pass
1327.7	Horizontal	-61.29	-40	-21.29	Pass
2766.7	Horizontal	-55.38	-40	-15.38	Pass
6499.5	Horizontal	-50.66	-40	-10.66	Pass
359.4	Vertical	-68.74	-40	-28.74	Pass
599.8	Vertical	-62.07	-40	-22.07	Pass
964.4	Vertical	-61.32	-40	-21.32	Pass
1328.1	Vertical	-58.76	-40	-18.76	Pass
2762.5	Vertical	-56.25	-40	-16.25	Pass
6492.6	Vertical	-49.38	-40	-9.38	Pass

n78(3550-3700MHz)-100MHz Middle Channel					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization	Level			
MHz	Polarization	dBm	dBm	dB	
395.2	Horizontal	-71.65	-40	-31.65	Pass
583.3	Horizontal	-62.56	-40	-22.56	Pass
935.9	Horizontal	-60.55	-40	-20.55	Pass
1359.1	Horizontal	-57.28	-40	-17.28	Pass
2725.0	Horizontal	-52.46	-40	-12.46	Pass
6518.6	Horizontal	-51.15	-40	-11.15	Pass
359.7	Vertical	-71.13	-40	-31.13	Pass
588.4	Vertical	-66.50	-40	-26.50	Pass
962.9	Vertical	-56.24	-40	-16.24	Pass
1361.0	Vertical	-60.30	-40	-20.30	Pass
2737.6	Vertical	-52.03	-40	-12.03	Pass
6489.0	Vertical	-51.49	-40	-11.49	Pass



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n78(3550-3700MHz)-100MHz High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
373.7	Horizontal	-71.43	-40	-31.43	Pass
564.5	Horizontal	-64.76	-40	-24.76	Pass
947.0	Horizontal	-57.78	-40	-17.78	Pass
1345.1	Horizontal	-58.00	-40	-18.00	Pass
2731.3	Horizontal	-52.20	-40	-12.20	Pass
6487.0	Horizontal	-51.40	-40	-11.40	Pass
368.3	Vertical	-68.40	-40	-28.40	Pass
581.0	Vertical	-62.50	-40	-22.50	Pass
936.3	Vertical	-59.70	-40	-19.70	Pass
1343.4	Vertical	-58.44	-40	-18.44	Pass
2743.9	Vertical	-55.70	-40	-15.70	Pass
6525.0	Vertical	-49.27	-40	-9.27	Pass

Remark:

1) We have tested all modulation and all Channel, but only the worst case data displayed in this report.

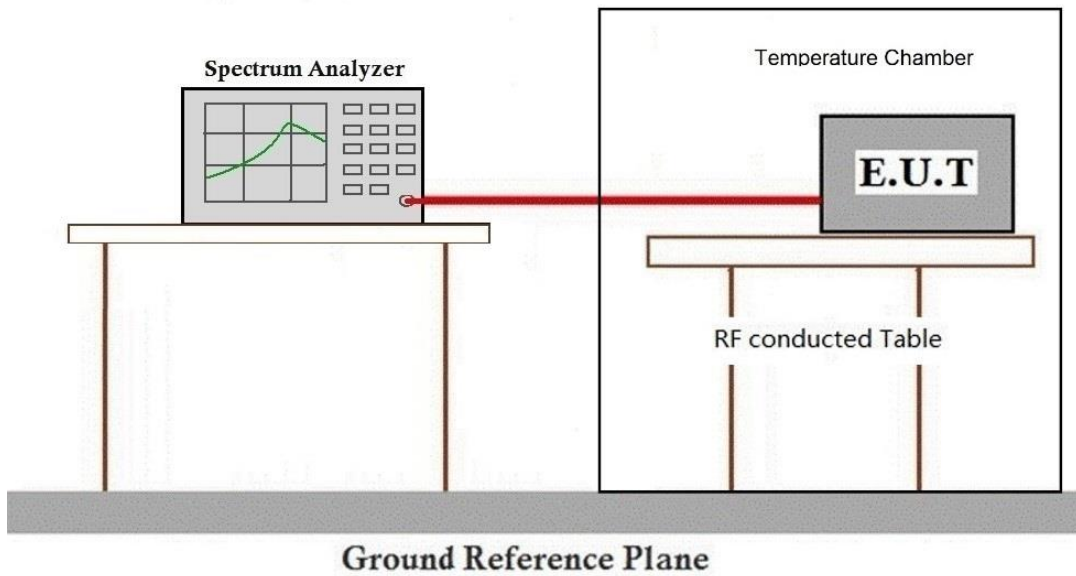
6.7 Frequency stability

Test Requirement: §2.1055
Test Method: ANSI C63.26, KDB 971168 D01 v03
Limit: Fundamental emission stays within authorized frequency block

6.7.1 E.U.T. Operation

Operating Environment:
Temperature: 22.0 °C Humidity: 50.2 % RH Atmospheric Pressure: 1010 mbar
Test mode: a: 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 KSCR2309001598AT-FCC-5G NR n48(3550-3700MHz)&
Appendix B for KSCR2309001598AT-FCC-5G NR n78(3550-3700MHz)



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2309001599AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2309001599AT

- End of the Report -