

TEST REPORT

Application No.: KSCR2210001943AT
FCC ID: WBKCPX80P
Applicant: BTI Wireless
Address of Applicant: 14600 Industry Circle La Mirada, CA 90638
Manufacturer: BTI Wireless
Address of Manufacturer: 14600 Industry Circle La Mirada, CA 90638
Factory: Sunwave Communications Co., Ltd.
Address of Factory: 581 Huoju Avenue, Binjiang District, Hangzhou, China
Equipment Under Test (EUT):
EUT Name: 5G CPE
Model No.: CPX80P
Trade mark:



Standard(s) : 47 CFR Part 2
47 CFR Part 96
Date of Receipt: 2022-10-17
Date of Test: 2022-10-17 to 2022-11-09
Date of Issue: 2022-11-18

Test Result:**Pass**

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

Eric Lin
Laboratory Manager




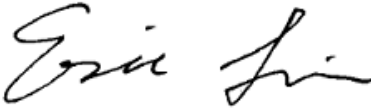
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Revision Record			
Version	Description	Date	Remark
00	Original	2022-11-18	/

Authorized for issue by:			
			
	Cloud.Pen/Project Engineer		
			
	Eric Lin / 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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Compliance Certification Services (Kunshan) Inc.

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4 General Information

4.1 Details of E.U.T.

Product Name:	5G CPE
Model No.:	CPX80P
Antenna Type:	Internal
Antenna Gain:	Antenna 1:14.32dBi (Provided by manufacturer) Antenna 2:14.35dBi (Provided by manufacturer)
Power Supply:	DC 24V/1A,24W by Adapter Adapter Model: ASSA67A-240100 Input:100-240V~50/60Hz,0.8A Output: DC 24V 1A
CBSD Class:	Category B CBSD
Modulation Type:	CP-OFDM: QPSK\16QAM\64QAM\256QAM
SCS information:	30KHz
Frequency Band:	N48, N78
Frequency Range:	3550MHz to 3700MHz
Extreme Temp. Tolerance:	-30°C to +50°C
Extreme Vol. Limit:	20.4V DC to 27.6V DC (Normal: 24.0V DC)
Antenna Delivery:	2T2R MIMO

Note: The EUT is Support UL MIMO only.



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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	10	3555.00	3624.99	3694.98
	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	10	3555.00	3624.99	3694.98
	30KHz	15	3557.52	3624.99	3692.49
	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

4.3 Test Support Unit

Description	Manufacture	Model No.	S/N
Notebook	Lenovo	E430	/
Adapter	MASS Power	NBS12E120100HU	/



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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.



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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:

• CNAS

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

• 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	Serial Number	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9030B	MY61330164	01/22/2022	01/21/2023
2	Radio Communication Test Station	Anritsu	MT8000A	6262012849	09/22/2022	09/21/2023
3	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	09/22/2022	09/21/2023
4	Switcher	CCSRF	FY562	KUS2001M001-3	10/11/2022	10/10/2023
5	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
6	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
7	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
8	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
9	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
10	Conducted Test Cable	/	RF01-RF04	/	04/15/2022	04/14/2023
11	Software	BST	TST-PASS	N/A	N/A	N/A
12	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2022	04/14/2023
13	Thermometer	Anymetre	TH603	CCS007	10/13/2022	10/12/2023
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	101493	10/10/2022	10/09/2023
2	Loop Antenna	Com-Power	AL-130R	10160008	04/13/2021	04/12/2023
3	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
4	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
5	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020 10/25/2022	10/25/2022 10/24/2024
7	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/20/2022	02/19/2023
8	Horn Antenna (18-40GHz)	Schwarzbeck	BBHA 9170	HEM049-1	2021-09-18	2023-09-17
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2022	04/14/2023
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/17/2022	10/16/2023
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	RE test cable	/	RE01-RE04	/	04/15/2022	04/14/2023
14	Software	Faratronic	EZ EMC	N/A	N/A	N/A



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6 Radio Spectrum Matter Test Results

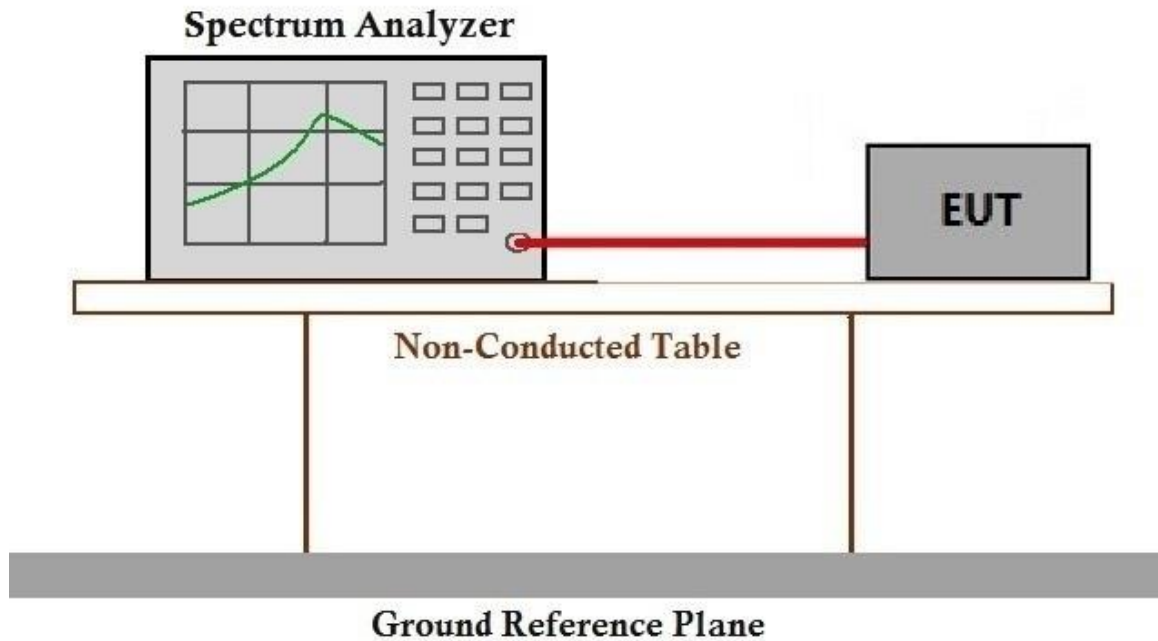
6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: EIRP ≤ 47dBm/10MHz, PSD ≤ 37dBm/MHz

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % 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 for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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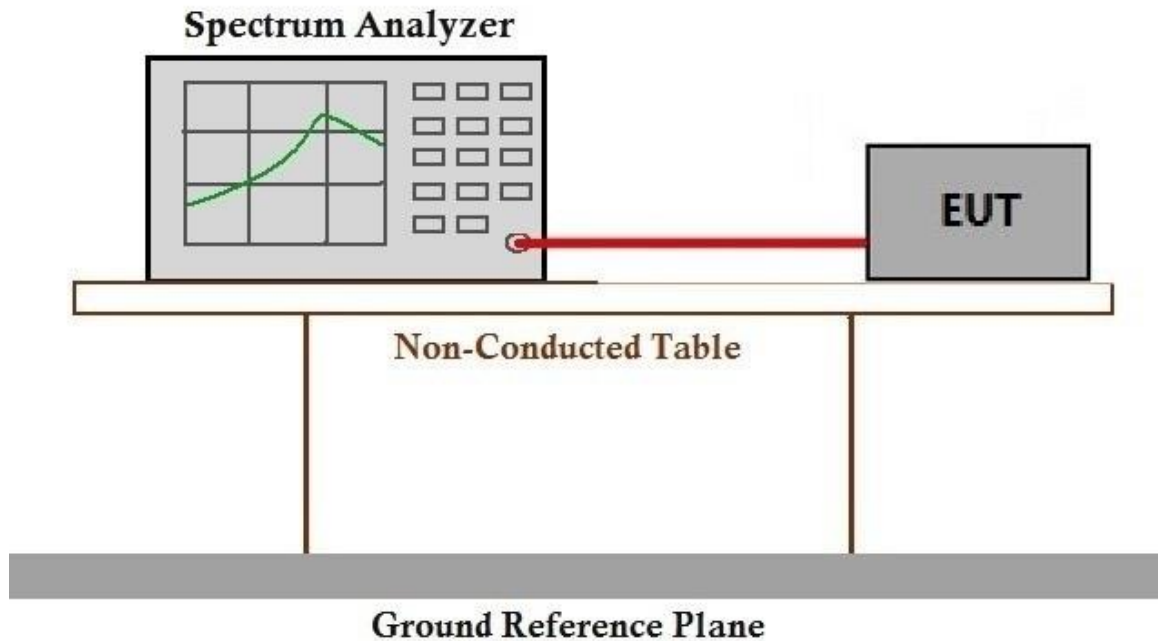
6.2 Peak-Average Ratio

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: 64.2 % 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 for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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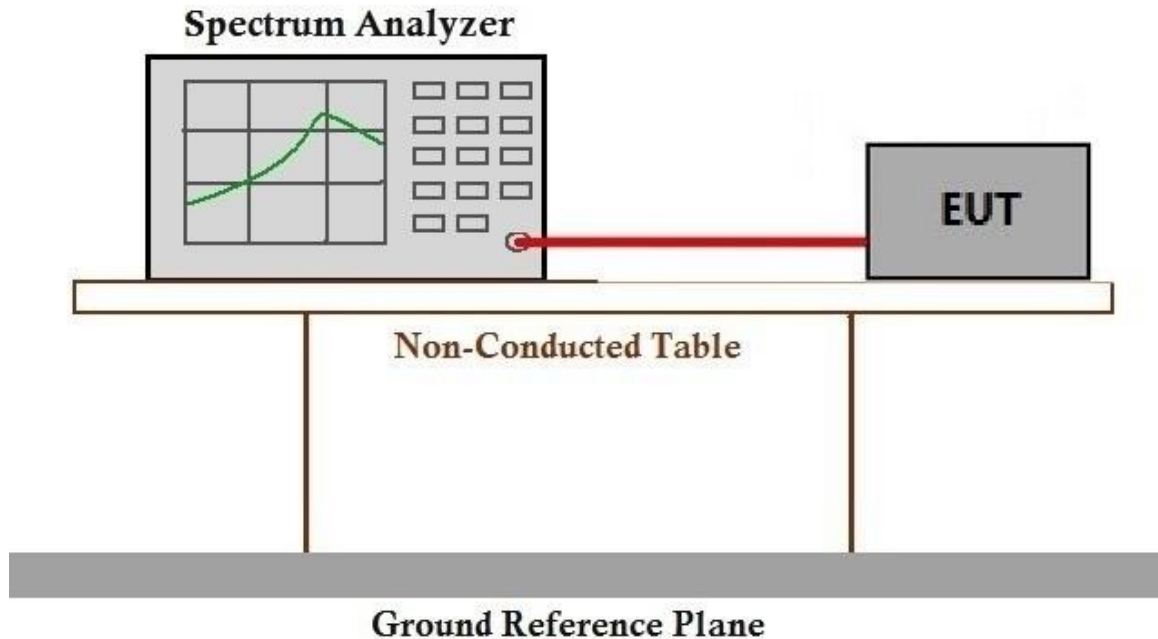
6.3 Bandwidth

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: 64.2 % 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 for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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6.4 Band Edge Compliance

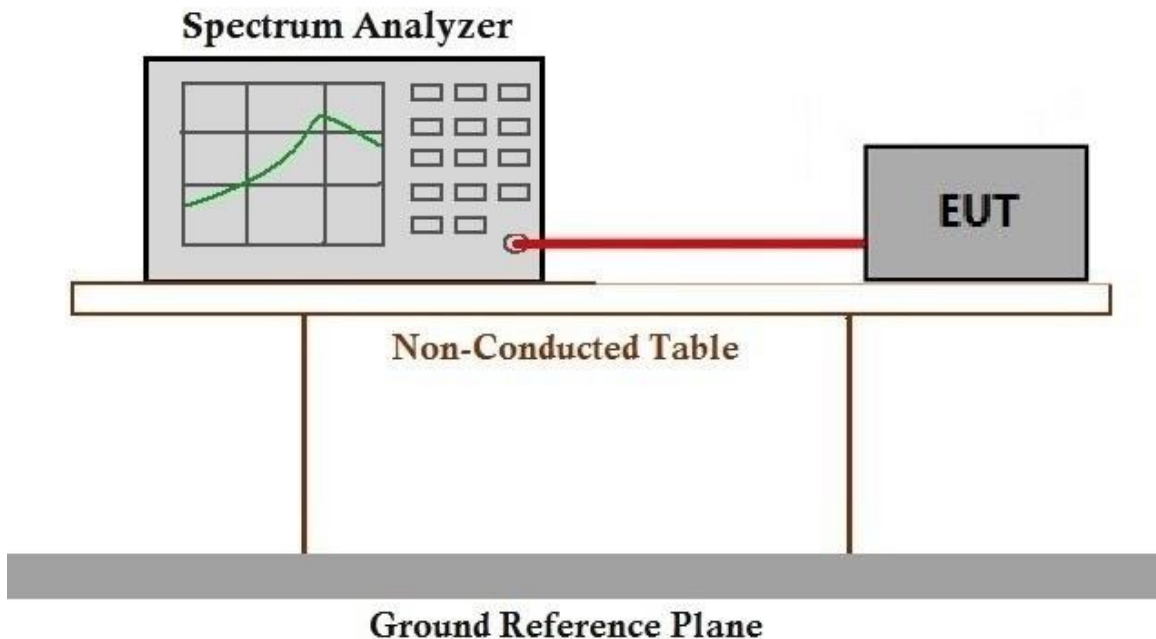
Test Requirement: §2.1051, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth 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 -40 dBm/MHz.

6.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



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Report No.: KSCR221000194301

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6.4.3 Measurement Data

Please refer to Appendix for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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6.5 Spurious emissions at antenna terminals

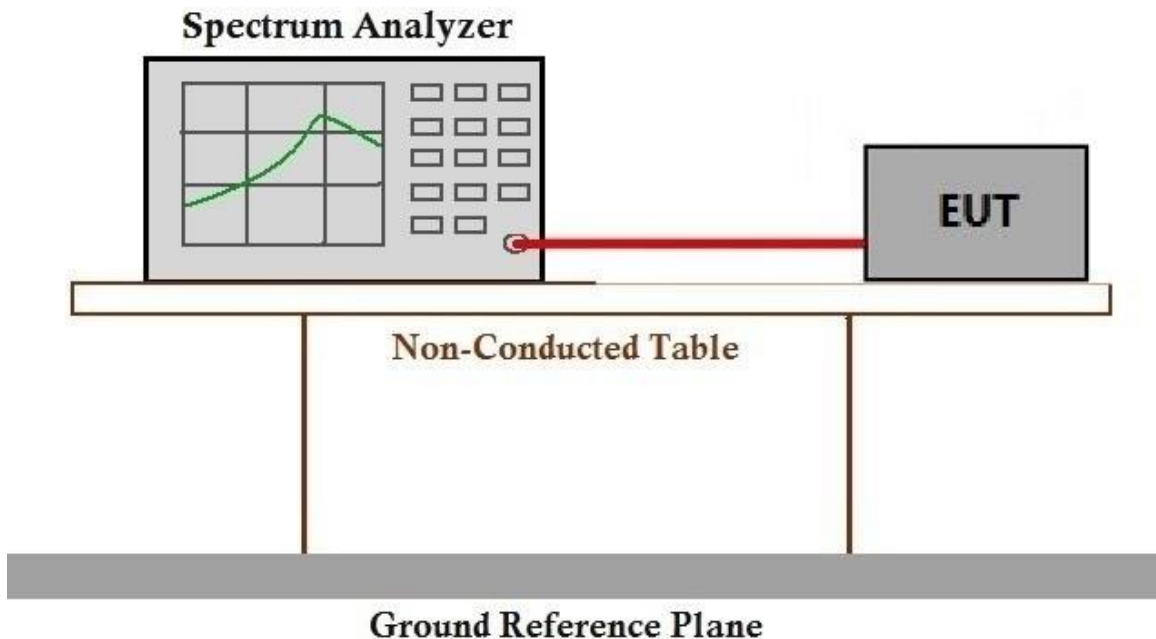
Test Requirement: §2.1051, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth 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 -40 dBm/MHz.

6.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



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Report No.: KSCR221000194301

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6.5.3 Measurement Data

Please refer to Appendix for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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6.6 Field strength of spurious radiation

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.

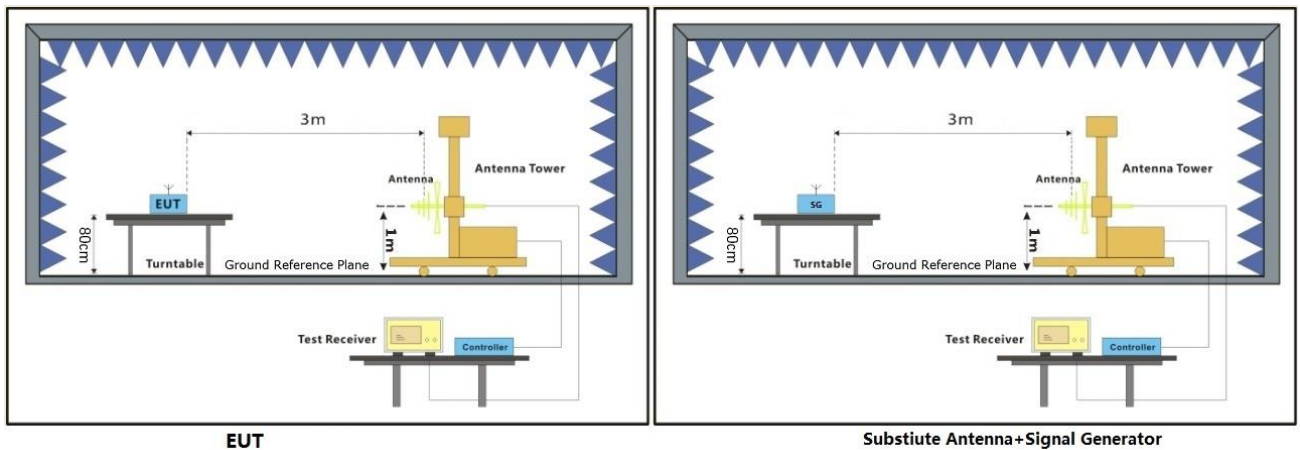
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 66.5 % RH Atmospheric Pressure: 1012 mbar

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

6.6.2 Test Setup Diagram



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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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N48-10M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
364.8	Horizontal	-68.49	-40	-28.49	pass
584.2	Horizontal	-65.84	-40	-25.84	pass
803.8	Horizontal	-64.37	-40	-24.37	pass
6116.1	Horizontal	-57.61	-40	-17.61	pass
8367.0	Horizontal	-55.29	-40	-15.29	pass
10491.8	Horizontal	-52.24	-40	-12.24	pass
401.8	Vertical	-66.73	-40	-26.73	pass
563.6	Vertical	-63.48	-40	-23.48	pass
787.0	Vertical	-62.39	-40	-22.39	pass
6235.6	Vertical	-59.06	-40	-19.06	pass
8586.3	Vertical	-54.90	-40	-14.90	pass
10659.7	Vertical	-54.11	-40	-14.11	pass

N48-10M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
365.0	Horizontal	-68.95	-40	-28.95	pass
600.4	Horizontal	-66.39	-40	-26.39	pass
780.4	Horizontal	-63.53	-40	-23.53	pass
6108.1	Horizontal	-57.48	-40	-17.48	pass
8345.7	Horizontal	-56.36	-40	-16.36	pass
10584.7	Horizontal	-54.19	-40	-14.19	pass
377.7	Vertical	-66.00	-40	-26.00	pass
587.5	Vertical	-65.04	-40	-25.04	pass
774.6	Vertical	-63.31	-40	-23.31	pass
6244.3	Vertical	-59.23	-40	-19.23	pass
8566.9	Vertical	-56.61	-40	-16.61	pass
10587.6	Vertical	-50.65	-40	-10.65	pass



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N48-10M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
368.6	Horizontal	-68.35	-40	-28.35	pass
567.9	Horizontal	-67.31	-40	-27.31	pass
813.6	Horizontal	-63.81	-40	-23.81	pass
6178.1	Horizontal	-59.64	-40	-19.64	pass
8368.0	Horizontal	-55.88	-40	-15.88	pass
10497.2	Horizontal	-54.25	-40	-14.25	pass
400.5	Vertical	-66.52	-40	-26.52	pass
582.0	Vertical	-65.87	-40	-25.87	pass
810.7	Vertical	-64.47	-40	-24.47	pass
6229.6	Vertical	-57.01	-40	-17.01	pass
8622.8	Vertical	-56.91	-40	-16.91	pass
10619.4	Vertical	-51.01	-40	-11.01	pass

N48-20M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.7	Horizontal	-68.96	-40	-28.96	pass
593.4	Horizontal	-64.09	-40	-24.09	pass
812.3	Horizontal	-62.55	-40	-22.55	pass
6174.4	Horizontal	-59.19	-40	-19.19	pass
8321.5	Horizontal	-55.10	-40	-15.10	pass
10521.1	Horizontal	-51.90	-40	-11.90	pass
399.6	Vertical	-67.53	-40	-27.53	pass
589.3	Vertical	-64.22	-40	-24.22	pass
791.1	Vertical	-62.21	-40	-22.21	pass
6229.7	Vertical	-60.14	-40	-20.14	pass
8583.7	Vertical	-56.93	-40	-16.93	pass
10610.9	Vertical	-53.98	-40	-13.98	pass



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N48-20M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
379.0	Horizontal	-69.39	-40	-29.39	pass
590.0	Horizontal	-64.28	-40	-24.28	pass
809.6	Horizontal	-62.03	-40	-22.03	pass
6099.8	Horizontal	-58.60	-40	-18.60	pass
8376.1	Horizontal	-55.41	-40	-15.41	pass
10562.1	Horizontal	-53.42	-40	-13.42	pass
407.4	Vertical	-68.05	-40	-28.05	pass
576.9	Vertical	-66.14	-40	-26.14	pass
814.3	Vertical	-62.56	-40	-22.56	pass
6228.0	Vertical	-56.33	-40	-16.33	pass
8601.5	Vertical	-54.12	-40	-14.12	pass
10578.7	Vertical	-51.11	-40	-11.11	pass

N48-20M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
406.4	Horizontal	-68.49	-40	-28.49	pass
607.6	Horizontal	-67.43	-40	-27.43	pass
777.5	Horizontal	-63.73	-40	-23.73	pass
6155.7	Horizontal	-56.71	-40	-16.71	pass
8306.1	Horizontal	-55.93	-40	-15.93	pass
10488.4	Horizontal	-53.87	-40	-13.87	pass
373.0	Vertical	-68.01	-40	-28.01	pass
605.8	Vertical	-66.32	-40	-26.32	pass
779.1	Vertical	-64.80	-40	-24.80	pass
6271.6	Vertical	-58.45	-40	-18.45	pass
8562.8	Vertical	-54.37	-40	-14.37	pass
10671.6	Vertical	-52.06	-40	-12.06	pass



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N48-40M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
404.9	Horizontal	-67.32	-40	-27.32	pass
576.4	Horizontal	-65.15	-40	-25.15	pass
799.7	Horizontal	-64.13	-40	-24.13	pass
6114.7	Horizontal	-59.55	-40	-19.55	pass
8345.4	Horizontal	-56.22	-40	-16.22	pass
10532.4	Horizontal	-52.78	-40	-12.78	pass
364.1	Vertical	-68.32	-40	-28.32	pass
595.9	Vertical	-66.92	-40	-26.92	pass
773.4	Vertical	-62.72	-40	-22.72	pass
6201.1	Vertical	-59.61	-40	-19.61	pass
8611.8	Vertical	-56.30	-40	-16.30	pass
10670.2	Vertical	-54.09	-40	-14.09	pass

N48-40M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.9	Horizontal	-68.88	-40	-28.88	pass
607.7	Horizontal	-67.34	-40	-27.34	pass
788.6	Horizontal	-63.95	-40	-23.95	pass
6177.0	Horizontal	-56.68	-40	-16.68	pass
8314.6	Horizontal	-55.88	-40	-15.88	pass
10556.6	Horizontal	-53.34	-40	-13.34	pass
369.7	Vertical	-67.65	-40	-27.65	pass
594.1	Vertical	-65.30	-40	-25.30	pass
790.7	Vertical	-64.72	-40	-24.72	pass
6258.0	Vertical	-59.25	-40	-19.25	pass
8575.5	Vertical	-54.59	-40	-14.59	pass
10623.2	Vertical	-53.14	-40	-13.14	pass



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N48-40M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
398.9	Horizontal	-69.03	-40	-29.03	pass
606.1	Horizontal	-66.00	-40	-26.00	pass
799.5	Horizontal	-65.20	-40	-25.20	pass
6153.7	Horizontal	-56.99	-40	-16.99	pass
8389.6	Horizontal	-56.05	-40	-16.05	pass
10523.7	Horizontal	-54.09	-40	-14.09	pass
392.4	Vertical	-68.70	-40	-28.70	pass
576.1	Vertical	-65.52	-40	-25.52	pass
809.4	Vertical	-62.29	-40	-22.29	pass
6200.6	Vertical	-59.46	-40	-19.46	pass
8574.0	Vertical	-54.93	-40	-14.93	pass
10640.4	Vertical	-52.96	-40	-12.96	pass

N78-10M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
390.8	Horizontal	-68.95	-40	-28.95	pass
596.4	Horizontal	-67.22	-40	-27.22	pass
789.9	Horizontal	-62.29	-40	-22.29	pass
6163.8	Horizontal	-59.57	-40	-19.57	pass
8359.8	Horizontal	-56.89	-40	-16.89	pass
10519.0	Horizontal	-51.49	-40	-11.49	pass
404.2	Vertical	-68.47	-40	-28.47	pass
598.5	Vertical	-65.61	-40	-25.61	pass
775.6	Vertical	-61.69	-40	-21.69	pass
6216.4	Vertical	-57.14	-40	-17.14	pass
8631.0	Vertical	-56.34	-40	-16.34	pass
10637.8	Vertical	-52.38	-40	-12.38	pass



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N78-10M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
396.7	Horizontal	-68.91	-40	-28.91	pass
581.4	Horizontal	-66.18	-40	-26.18	pass
795.6	Horizontal	-64.81	-40	-24.81	pass
6147.4	Horizontal	-57.46	-40	-17.46	pass
8293.2	Horizontal	-57.02	-40	-17.02	pass
10495.9	Horizontal	-51.22	-40	-11.22	pass
399.2	Vertical	-67.70	-40	-27.70	pass
580.9	Vertical	-66.27	-40	-26.27	pass
803.4	Vertical	-63.27	-40	-23.27	pass
6207.2	Vertical	-57.34	-40	-17.34	pass
8567.3	Vertical	-55.23	-40	-15.23	pass
10614.3	Vertical	-51.79	-40	-11.79	pass

N78-10M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
404.4	Horizontal	-69.00	-40	-29.00	pass
581.8	Horizontal	-67.44	-40	-27.44	pass
781.3	Horizontal	-62.72	-40	-22.72	pass
6102.6	Horizontal	-58.01	-40	-18.01	pass
8307.1	Horizontal	-55.38	-40	-15.38	pass
10560.1	Horizontal	-53.87	-40	-13.87	pass
364.8	Vertical	-68.73	-40	-28.73	pass
586.4	Vertical	-65.75	-40	-25.75	pass
801.6	Vertical	-64.00	-40	-24.00	pass
6224.6	Vertical	-56.52	-40	-16.52	pass
8611.2	Vertical	-55.91	-40	-15.91	pass
10662.2	Vertical	-51.83	-40	-11.83	pass



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N78-15M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
399.5	Horizontal	-69.11	-40	-29.11	pass
567.5	Horizontal	-67.06	-40	-27.06	pass
788.8	Horizontal	-64.89	-40	-24.89	pass
6125.7	Horizontal	-59.62	-40	-19.62	pass
8301.9	Horizontal	-54.53	-40	-14.53	pass
10536.9	Horizontal	-52.06	-40	-12.06	pass
407.8	Vertical	-67.74	-40	-27.74	pass
587.4	Vertical	-65.33	-40	-25.33	pass
810.6	Vertical	-61.86	-40	-21.86	pass
6219.9	Vertical	-56.69	-40	-16.69	pass
8599.1	Vertical	-55.81	-40	-15.81	pass
10640.2	Vertical	-54.38	-40	-14.38	pass

N78-15M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
374.9	Horizontal	-66.79	-40	-26.79	pass
588.3	Horizontal	-65.86	-40	-25.86	pass
792.5	Horizontal	-63.47	-40	-23.47	pass
6079.4	Horizontal	-58.90	-40	-18.90	pass
8373.1	Horizontal	-53.26	-40	-13.26	pass
10586.6	Horizontal	-52.50	-40	-12.50	pass
372.3	Vertical	-68.26	-40	-28.26	pass
580.4	Vertical	-65.83	-40	-25.83	pass
800.3	Vertical	-64.73	-40	-24.73	pass
6193.9	Vertical	-56.32	-40	-16.32	pass
8562.5	Vertical	-55.78	-40	-15.78	pass
10662.9	Vertical	-53.12	-40	-13.12	pass



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N78-15M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
408.1	Horizontal	-67.36	-40	-27.36	pass
580.0	Horizontal	-65.94	-40	-25.94	pass
822.1	Horizontal	-62.77	-40	-22.77	pass
6171.8	Horizontal	-57.37	-40	-17.37	pass
8384.1	Horizontal	-53.29	-40	-13.29	pass
10491.1	Horizontal	-52.04	-40	-12.04	pass
385.8	Vertical	-66.77	-40	-26.77	pass
605.0	Vertical	-63.30	-40	-23.30	pass
783.1	Vertical	-62.83	-40	-22.83	pass
6254.8	Vertical	-58.25	-40	-18.25	pass
8615.4	Vertical	-55.86	-40	-15.86	pass
10592.5	Vertical	-53.24	-40	-13.24	pass

N78-20M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
390.5	Horizontal	-68.55	-40	-28.55	pass
591.2	Horizontal	-67.61	-40	-27.61	pass
806.3	Horizontal	-62.28	-40	-22.28	pass
6146.3	Horizontal	-59.92	-40	-19.92	pass
8317.5	Horizontal	-56.99	-40	-16.99	pass
10573.1	Horizontal	-52.17	-40	-12.17	pass
370.2	Vertical	-67.87	-40	-27.87	pass
562.4	Vertical	-64.08	-40	-24.08	pass
800.9	Vertical	-62.96	-40	-22.96	pass
6248.0	Vertical	-58.42	-40	-18.42	pass
8544.6	Vertical	-56.75	-40	-16.75	pass
10668.6	Vertical	-53.04	-40	-13.04	pass



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N78-20M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
402.5	Horizontal	-67.81	-40	-27.81	pass
567.5	Horizontal	-63.80	-40	-23.80	pass
775.7	Horizontal	-62.73	-40	-22.73	pass
6178.3	Horizontal	-56.37	-40	-16.37	pass
8293.1	Horizontal	-53.36	-40	-13.36	pass
10504.8	Horizontal	-51.42	-40	-11.42	pass
392.6	Vertical	-67.48	-40	-27.48	pass
607.6	Vertical	-65.89	-40	-25.89	pass
796.5	Vertical	-62.51	-40	-22.51	pass
6256.0	Vertical	-57.92	-40	-17.92	pass
8556.3	Vertical	-56.79	-40	-16.79	pass
10588.1	Vertical	-51.92	-40	-11.92	pass

N78-20M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
387.8	Horizontal	-68.71	-40	-28.71	pass
563.8	Horizontal	-67.47	-40	-27.47	pass
804.6	Horizontal	-64.48	-40	-24.48	pass
6174.0	Horizontal	-57.74	-40	-17.74	pass
8317.8	Horizontal	-53.87	-40	-13.87	pass
10517.4	Horizontal	-51.48	-40	-11.48	pass
406.0	Vertical	-68.97	-40	-28.97	pass
587.5	Vertical	-63.60	-40	-23.60	pass
787.5	Vertical	-62.93	-40	-22.93	pass
6230.1	Vertical	-58.66	-40	-18.66	pass
8628.1	Vertical	-53.76	-40	-13.76	pass
10587.6	Vertical	-52.56	-40	-12.56	pass



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N78-30M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
365.6	Horizontal	-69.40	-40	-29.40	pass
598.4	Horizontal	-65.24	-40	-25.24	pass
794.0	Horizontal	-63.74	-40	-23.74	pass
6112.7	Horizontal	-56.48	-40	-16.48	pass
8370.3	Horizontal	-55.01	-40	-15.01	pass
10548.5	Horizontal	-52.44	-40	-12.44	pass
376.9	Vertical	-65.81	-40	-25.81	pass
603.6	Vertical	-63.94	-40	-23.94	pass
820.1	Vertical	-62.96	-40	-22.96	pass
6248.6	Vertical	-58.35	-40	-18.35	pass
8543.1	Vertical	-55.63	-40	-15.63	pass
10587.7	Vertical	-53.13	-40	-13.13	pass

N78-30M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
402.3	Horizontal	-67.82	-40	-27.82	pass
596.6	Horizontal	-66.76	-40	-26.76	pass
808.5	Horizontal	-64.07	-40	-24.07	pass
6166.7	Horizontal	-56.48	-40	-16.48	pass
8323.9	Horizontal	-54.50	-40	-14.50	pass
10564.1	Horizontal	-52.96	-40	-12.96	pass
381.6	Vertical	-67.48	-40	-27.48	pass
565.3	Vertical	-64.95	-40	-24.95	pass
816.7	Vertical	-62.84	-40	-22.84	pass
6225.1	Vertical	-57.65	-40	-17.65	pass
8603.1	Vertical	-55.03	-40	-15.03	pass
10649.6	Vertical	-50.95	-40	-10.95	pass



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N78-30M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
381.1	Horizontal	-67.79	-40	-27.79	pass
585.3	Horizontal	-65.68	-40	-25.68	pass
814.1	Horizontal	-63.83	-40	-23.83	pass
6161.7	Horizontal	-57.83	-40	-17.83	pass
8355.1	Horizontal	-54.37	-40	-14.37	pass
10577.1	Horizontal	-51.93	-40	-11.93	pass
379.6	Vertical	-66.89	-40	-26.89	pass
566.2	Vertical	-65.28	-40	-25.28	pass
807.6	Vertical	-61.73	-40	-21.73	pass
6252.0	Vertical	-57.57	-40	-17.57	pass
8603.8	Vertical	-54.46	-40	-14.46	pass
10590.5	Vertical	-53.13	-40	-13.13	pass

N78-40M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
399.0	Horizontal	-68.14	-40	-28.14	pass
599.0	Horizontal	-64.55	-40	-24.55	pass
780.4	Horizontal	-63.77	-40	-23.77	pass
6171.9	Horizontal	-58.74	-40	-18.74	pass
8390.6	Horizontal	-53.97	-40	-13.97	pass
10521.3	Horizontal	-51.11	-40	-11.11	pass
408.1	Vertical	-67.24	-40	-27.24	pass
560.2	Vertical	-66.59	-40	-26.59	pass
789.4	Vertical	-65.06	-40	-25.06	pass
6226.5	Vertical	-58.05	-40	-18.05	pass
8583.8	Vertical	-53.50	-40	-13.50	pass
10573.4	Vertical	-52.10	-40	-12.10	pass



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N78-40M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
381.9	Horizontal	-67.05	-40	-27.05	pass
593.4	Horizontal	-66.19	-40	-26.19	pass
809.6	Horizontal	-64.89	-40	-24.89	pass
6086.7	Horizontal	-56.41	-40	-16.41	pass
8295.9	Horizontal	-54.67	-40	-14.67	pass
10534.0	Horizontal	-51.41	-40	-11.41	pass
389.2	Vertical	-67.95	-40	-27.95	pass
565.4	Vertical	-64.57	-40	-24.57	pass
796.1	Vertical	-61.24	-40	-21.24	pass
6190.2	Vertical	-57.05	-40	-17.05	pass
8637.4	Vertical	-54.49	-40	-14.49	pass
10575.0	Vertical	-54.20	-40	-14.20	pass

N78-40M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
377.1	Horizontal	-65.58	-40	-25.58	pass
570.9	Horizontal	-63.92	-40	-23.92	pass
809.0	Horizontal	-62.00	-40	-22.00	pass
6140.6	Horizontal	-57.19	-40	-17.19	pass
8359.7	Horizontal	-55.11	-40	-15.11	pass
10551.5	Horizontal	-52.65	-40	-12.65	pass
408.9	Vertical	-68.45	-40	-28.45	pass
575.4	Vertical	-63.93	-40	-23.93	pass
794.1	Vertical	-63.09	-40	-23.09	pass
6259.0	Vertical	-57.86	-40	-17.86	pass
8626.4	Vertical	-55.46	-40	-15.46	pass
10585.5	Vertical	-53.99	-40	-13.99	pass



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N78-50M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
388.2	Horizontal	-69.34	-40	-29.34	pass
583.0	Horizontal	-65.04	-40	-25.04	pass
803.3	Horizontal	-63.70	-40	-23.70	pass
6175.9	Horizontal	-57.73	-40	-17.73	pass
8343.0	Horizontal	-55.45	-40	-15.45	pass
10539.3	Horizontal	-52.81	-40	-12.81	pass
380.4	Vertical	-65.36	-40	-25.36	pass
561.3	Vertical	-63.48	-40	-23.48	pass
783.4	Vertical	-61.17	-40	-21.17	pass
6240.5	Vertical	-57.44	-40	-17.44	pass
8548.7	Vertical	-54.18	-40	-14.18	pass
10585.0	Vertical	-52.61	-40	-12.61	pass

N78-50M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
367.1	Horizontal	-66.66	-40	-26.66	pass
600.7	Horizontal	-64.01	-40	-24.01	pass
809.1	Horizontal	-63.05	-40	-23.05	pass
6177.6	Horizontal	-58.15	-40	-18.15	pass
8374.0	Horizontal	-54.75	-40	-14.75	pass
10543.4	Horizontal	-53.51	-40	-13.51	pass
406.8	Vertical	-68.72	-40	-28.72	pass
582.2	Vertical	-65.74	-40	-25.74	pass
799.3	Vertical	-64.12	-40	-24.12	pass
6211.3	Vertical	-59.44	-40	-19.44	pass
8620.6	Vertical	-54.58	-40	-14.58	pass
10670.5	Vertical	-51.75	-40	-11.75	pass



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N78-50M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
410.4	Horizontal	-69.12	-40	-29.12	pass
581.2	Horizontal	-64.59	-40	-24.59	pass
786.7	Horizontal	-64.05	-40	-24.05	pass
6084.3	Horizontal	-56.58	-40	-16.58	pass
8375.7	Horizontal	-54.48	-40	-14.48	pass
10509.5	Horizontal	-54.01	-40	-14.01	pass
400.8	Vertical	-67.88	-40	-27.88	pass
571.2	Vertical	-66.86	-40	-26.86	pass
796.6	Vertical	-63.50	-40	-23.50	pass
6254.5	Vertical	-59.58	-40	-19.58	pass
8590.8	Vertical	-55.89	-40	-15.89	pass
10625.8	Vertical	-52.18	-40	-12.18	pass

N78-60M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
380.9	Horizontal	-67.11	-40	-27.11	pass
602.9	Horizontal	-66.10	-40	-26.10	pass
776.8	Horizontal	-64.94	-40	-24.94	pass
6150.9	Horizontal	-58.89	-40	-18.89	pass
8300.8	Horizontal	-56.67	-40	-16.67	pass
10526.0	Horizontal	-54.64	-40	-14.64	pass
390.1	Vertical	-67.53	-40	-27.53	pass
564.1	Vertical	-65.43	-40	-25.43	pass
797.3	Vertical	-64.77	-40	-24.77	pass
6197.6	Vertical	-59.17	-40	-19.17	pass
8595.4	Vertical	-53.80	-40	-13.80	pass
10602.2	Vertical	-52.48	-40	-12.48	pass



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N78-60M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
372.4	Horizontal	-67.06	-40	-27.06	pass
577.9	Horizontal	-66.73	-40	-26.73	pass
802.5	Horizontal	-63.13	-40	-23.13	pass
6125.2	Horizontal	-56.74	-40	-16.74	pass
8305.2	Horizontal	-53.45	-40	-13.45	pass
10498.5	Horizontal	-51.83	-40	-11.83	pass
409.2	Vertical	-66.14	-40	-26.14	pass
607.2	Vertical	-65.79	-40	-25.79	pass
803.3	Vertical	-61.58	-40	-21.58	pass
6192.9	Vertical	-57.76	-40	-17.76	pass
8571.7	Vertical	-57.17	-40	-17.17	pass
10641.5	Vertical	-53.79	-40	-13.79	pass

N78-60M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
383.6	Horizontal	-66.05	-40	-26.05	pass
565.8	Horizontal	-64.80	-40	-24.80	pass
810.5	Horizontal	-62.02	-40	-22.02	pass
6145.8	Horizontal	-59.62	-40	-19.62	pass
8377.3	Horizontal	-56.84	-40	-16.84	pass
10495.2	Horizontal	-52.00	-40	-12.00	pass
387.8	Vertical	-67.39	-40	-27.39	pass
594.3	Vertical	-64.44	-40	-24.44	pass
820.9	Vertical	-64.28	-40	-24.28	pass
6217.5	Vertical	-57.15	-40	-17.15	pass
8638.6	Vertical	-55.36	-40	-15.36	pass
10592.3	Vertical	-52.84	-40	-12.84	pass



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N78-70M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
382.7	Horizontal	-68.87	-40	-28.87	pass
587.6	Horizontal	-66.68	-40	-26.68	pass
795.1	Horizontal	-62.93	-40	-22.93	pass
6138.9	Horizontal	-58.77	-40	-18.77	pass
8376.9	Horizontal	-56.59	-40	-16.59	pass
10502.7	Horizontal	-51.11	-40	-11.11	pass
389.4	Vertical	-65.56	-40	-25.56	pass
598.3	Vertical	-64.89	-40	-24.89	pass
781.0	Vertical	-61.61	-40	-21.61	pass
6225.6	Vertical	-57.80	-40	-17.80	pass
8594.2	Vertical	-54.28	-40	-14.28	pass
10647.3	Vertical	-53.65	-40	-13.65	pass

N78-70M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.8	Horizontal	-69.19	-40	-29.19	pass
597.8	Horizontal	-67.61	-40	-27.61	pass
802.5	Horizontal	-63.56	-40	-23.56	pass
6159.6	Horizontal	-57.72	-40	-17.72	pass
8388.5	Horizontal	-53.40	-40	-13.40	pass
10557.9	Horizontal	-51.01	-40	-11.01	pass
388.2	Vertical	-65.79	-40	-25.79	pass
570.8	Vertical	-63.81	-40	-23.81	pass
807.6	Vertical	-63.16	-40	-23.16	pass
6248.3	Vertical	-59.33	-40	-19.33	pass
8594.5	Vertical	-56.87	-40	-16.87	pass
10574.4	Vertical	-50.91	-40	-10.91	pass



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N78-70M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
406.8	Horizontal	-68.48	-40	-28.48	pass
605.3	Horizontal	-64.15	-40	-24.15	pass
817.7	Horizontal	-62.51	-40	-22.51	pass
6129.7	Horizontal	-56.04	-40	-16.04	pass
8379.2	Horizontal	-53.75	-40	-13.75	pass
10551.4	Horizontal	-52.42	-40	-12.42	pass
390.9	Vertical	-68.18	-40	-28.18	pass
581.0	Vertical	-63.55	-40	-23.55	pass
814.9	Vertical	-63.11	-40	-23.11	pass
6270.4	Vertical	-58.55	-40	-18.55	pass
8544.9	Vertical	-53.72	-40	-13.72	pass
10629.8	Vertical	-51.99	-40	-11.99	pass

N78-80M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
407.6	Horizontal	-67.45	-40	-27.45	pass
589.9	Horizontal	-64.04	-40	-24.04	pass
798.2	Horizontal	-61.85	-40	-21.85	pass
6157.5	Horizontal	-57.76	-40	-17.76	pass
8376.3	Horizontal	-54.94	-40	-14.94	pass
10514.1	Horizontal	-51.93	-40	-11.93	pass
378.3	Vertical	-67.30	-40	-27.30	pass
563.2	Vertical	-65.58	-40	-25.58	pass
775.7	Vertical	-64.91	-40	-24.91	pass
6276.6	Vertical	-59.26	-40	-19.26	pass
8600.3	Vertical	-55.81	-40	-15.81	pass
10587.0	Vertical	-51.16	-40	-11.16	pass



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N78-80M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
372.9	Horizontal	-69.36	-40	-29.36	pass
602.6	Horizontal	-64.80	-40	-24.80	pass
775.7	Horizontal	-61.96	-40	-21.96	pass
6153.9	Horizontal	-57.10	-40	-17.10	pass
8345.7	Horizontal	-55.81	-40	-15.81	pass
10507.6	Horizontal	-50.98	-40	-10.98	pass
406.7	Vertical	-68.49	-40	-28.49	pass
571.7	Vertical	-66.53	-40	-26.53	pass
813.3	Vertical	-61.20	-40	-21.20	pass
6246.6	Vertical	-58.10	-40	-18.10	pass
8544.1	Vertical	-56.46	-40	-16.46	pass
10666.9	Vertical	-52.15	-40	-12.15	pass

N78-80M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
388.9	Horizontal	-68.66	-40	-28.66	pass
583.9	Horizontal	-64.54	-40	-24.54	pass
810.4	Horizontal	-62.15	-40	-22.15	pass
6131.1	Horizontal	-59.74	-40	-19.74	pass
8338.0	Horizontal	-55.68	-40	-15.68	pass
10548.3	Horizontal	-54.33	-40	-14.33	pass
365.7	Vertical	-66.63	-40	-26.63	pass
588.5	Vertical	-64.03	-40	-24.03	pass
819.7	Vertical	-62.95	-40	-22.95	pass
6232.3	Vertical	-58.79	-40	-18.79	pass
8627.0	Vertical	-53.52	-40	-13.52	pass
10586.1	Vertical	-51.01	-40	-11.01	pass



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N78-90M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
411.5	Horizontal	-66.76	-40	-26.76	pass
606.7	Horizontal	-65.49	-40	-25.49	pass
774.7	Horizontal	-63.99	-40	-23.99	pass
6121.5	Horizontal	-58.71	-40	-18.71	pass
8368.6	Horizontal	-56.81	-40	-16.81	pass
10492.4	Horizontal	-53.54	-40	-13.54	pass
394.3	Vertical	-68.43	-40	-28.43	pass
579.2	Vertical	-63.59	-40	-23.59	pass
798.2	Vertical	-61.60	-40	-21.60	pass
6250.0	Vertical	-56.71	-40	-16.71	pass
8545.6	Vertical	-54.67	-40	-14.67	pass
10584.4	Vertical	-51.76	-40	-11.76	pass

N78-90M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
410.2	Horizontal	-66.32	-40	-26.32	pass
598.5	Horizontal	-64.98	-40	-24.98	pass
779.6	Horizontal	-62.27	-40	-22.27	pass
6101.0	Horizontal	-59.23	-40	-19.23	pass
8319.4	Horizontal	-54.81	-40	-14.81	pass
10585.6	Horizontal	-51.67	-40	-11.67	pass
393.1	Vertical	-65.37	-40	-25.37	pass
585.5	Vertical	-63.93	-40	-23.93	pass
798.1	Vertical	-62.24	-40	-22.24	pass
6240.9	Vertical	-58.36	-40	-18.36	pass
8604.3	Vertical	-57.11	-40	-17.11	pass
10637.1	Vertical	-52.20	-40	-12.20	pass



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N78-90M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
362.0	Horizontal	-66.66	-40	-26.66	pass
560.5	Horizontal	-65.60	-40	-25.60	pass
818.5	Horizontal	-64.55	-40	-24.55	pass
6177.2	Horizontal	-58.82	-40	-18.82	pass
8313.0	Horizontal	-56.87	-40	-16.87	pass
10507.3	Horizontal	-54.14	-40	-14.14	pass
393.1	Vertical	-66.51	-40	-26.51	pass
598.1	Vertical	-64.49	-40	-24.49	pass
799.7	Vertical	-61.34	-40	-21.34	pass
6258.5	Vertical	-59.63	-40	-19.63	pass
8539.7	Vertical	-53.98	-40	-13.98	pass
10664.2	Vertical	-50.85	-40	-10.85	pass

N78-100M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
387.6	Horizontal	-67.11	-40	-27.11	pass
574.2	Horizontal	-64.46	-40	-24.46	pass
800.8	Horizontal	-64.09	-40	-24.09	pass
6090.8	Horizontal	-58.82	-40	-18.82	pass
8375.1	Horizontal	-56.89	-40	-16.89	pass
10582.3	Horizontal	-52.93	-40	-12.93	pass
391.6	Vertical	-66.43	-40	-26.43	pass
561.1	Vertical	-64.84	-40	-24.84	pass
801.1	Vertical	-62.20	-40	-22.20	pass
6191.3	Vertical	-56.84	-40	-16.84	pass
8553.4	Vertical	-55.09	-40	-15.09	pass
10617.2	Vertical	-50.45	-40	-10.45	pass



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N78-100M_Middle channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
388.7	Horizontal	-68.81	-40	-28.81	pass
601.9	Horizontal	-65.52	-40	-25.52	pass
783.7	Horizontal	-61.86	-40	-21.86	pass
6176.7	Horizontal	-58.09	-40	-18.09	pass
8305.0	Horizontal	-55.05	-40	-15.05	pass
10490.4	Horizontal	-52.47	-40	-12.47	pass
366.7	Vertical	-68.55	-40	-28.55	pass
580.0	Vertical	-67.13	-40	-27.13	pass
784.2	Vertical	-64.33	-40	-24.33	pass
6213.8	Vertical	-60.03	-40	-20.03	pass
8549.8	Vertical	-56.27	-40	-16.27	pass
10671.2	Vertical	-52.28	-40	-12.28	pass

N78-100M_High channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
377.4	Horizontal	-67.13	-40	-27.13	pass
568.3	Horizontal	-65.73	-40	-25.73	pass
804.2	Horizontal	-63.80	-40	-23.80	pass
6092.1	Horizontal	-57.52	-40	-17.52	pass
8298.8	Horizontal	-55.21	-40	-15.21	pass
10576.1	Horizontal	-52.62	-40	-12.62	pass
405.3	Vertical	-68.20	-40	-28.20	pass
605.8	Vertical	-67.18	-40	-27.18	pass
809.0	Vertical	-63.41	-40	-23.41	pass
6281.3	Vertical	-56.32	-40	-16.32	pass
8612.2	Vertical	-55.69	-40	-15.69	pass
10574.0	Vertical	-50.93	-40	-10.93	pass



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Remark:

- 1) Pretest with normal and extreme conditions, only the worst case data was showed in the test report.
- 2) We have tested all modulation and all Channel, but only the worst case data displayed in this report.



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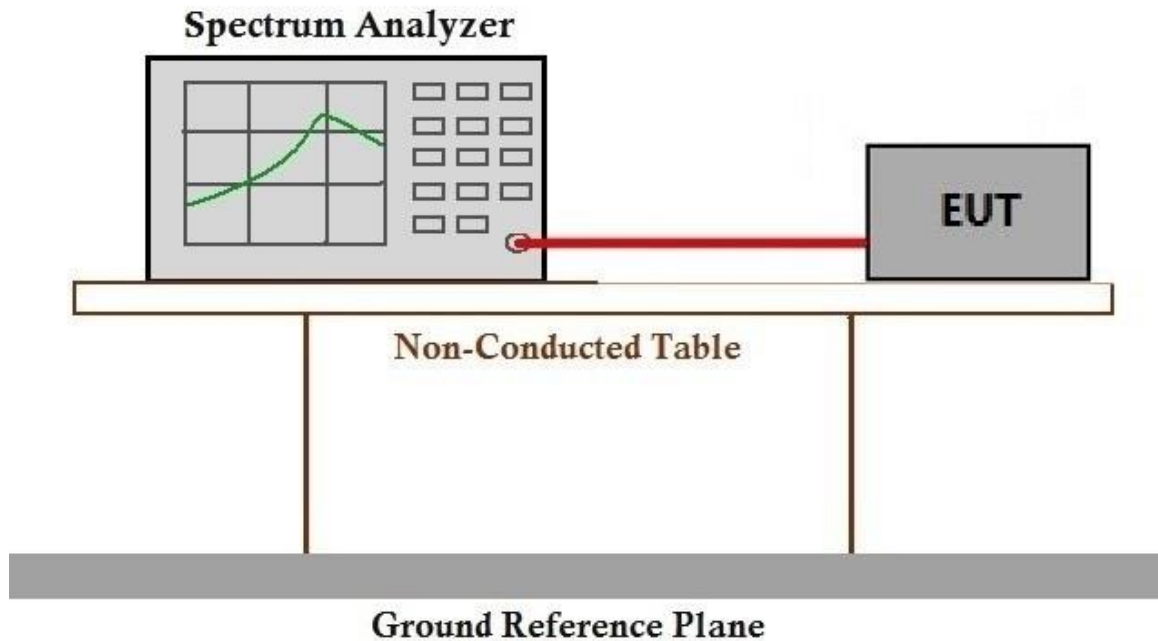
6.7 Frequency stability

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: 64.2 % 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 for KSCR2210001943AT-FCC-NR48& Appendix for KSCR2210001943AT-FCC-NR78



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2210001943AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2210001943AT

- End of the Report -



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