



## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 1 of 43

# TEST REPORT

**Application No.:** KSCR2210001952AT  
**FCC ID:** WBKCPX60P  
**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.:** CPX60P  
**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

<b>Test Result:</b>	<b>Pass</b>
---------------------	-------------

\* 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:			
		cloudpeng	
		Cloud.Pen/Project Engineer	
		Eric Lin	
		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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### 3 Contents

	Page
1 COVER PAGE .....	1
2 TEST SUMMARY .....	3
3 CONTENTS .....	4
4 GENERAL INFORMATION .....	6
4.1 Details of E.U.T. ....	6
4.2 Test Frequency .....	7
4.3 Test Support Unit .....	7
4.4 Measurement Uncertainty .....	8
4.5 Test Location .....	9
4.6 Test Facility .....	9
4.7 Deviation from Standards .....	9
4.8 Abnormalities from Standard Conditions .....	9
5 EQUIPMENT LIST .....	10
6 RADIO SPECTRUM MATTER TEST RESULTS .....	11
6.1 Effective (Isotropic) Radiated Power Output Data .....	11
6.1.1 E.U.T. Operation .....	11
6.1.2 Test Setup Diagram .....	11
6.1.3 Measurement Data .....	11
6.2 Peak-Average Ratio .....	12
6.2.1 E.U.T. Operation .....	12
6.2.2 Test Setup Diagram .....	12
6.2.3 Measurement Data .....	12
6.3 Bandwidth .....	13
6.3.1 E.U.T. Operation .....	13
6.3.2 Test Setup Diagram .....	13
6.3.3 Measurement Data .....	13
6.4 Band Edge Compliance .....	14
6.4.1 E.U.T. Operation .....	14
6.4.2 Test Setup Diagram .....	14
6.4.3 Measurement Data .....	15
6.5 Spurious emissions at antenna terminals .....	16
6.5.1 E.U.T. Operation .....	16
6.5.2 Test Setup Diagram .....	16
6.5.3 Measurement Data .....	17
6.6 Field strength of spurious radiation .....	18
6.6.1 E.U.T. Operation .....	18
6.6.2 Test Setup Diagram .....	18
6.6.3 Measurement Procedure and Data .....	19



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 5 of 43

6.7	Frequency stability.....	42
6.7.1	E.U.T. Operation.....	42
6.7.2	Test Setup Diagram.....	42
6.7.3	Measurement Data .....	42
7	TEST SETUP PHOTO .....	43
8	EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS) .....	43



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## 4 General Information

### 4.1 Details of E.U.T.

Product Name:	5G CPE
Model No.:	CPX60P
Antenna Type:	Internal
Antenna Gain:	Antenna 1:4.9dBi (Provided by manufacturer) Antenna 2:5.8dBi (Provided by manufacturer)
Power Supply:	DC 12V/2A,24W
CBSD Class:	Category A 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℃ to +50℃
Extreme Vol. Limit:	10.2V DC to 13.8V DC (Normal: 12.0V DC by Adapter) Adapter Model:TPA289-24120-US Input:100-240V~50/60Hz,0.7A Output: DC 12V 2A
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	$8.4 \times 10^{-8}$
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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Report No.: KSCR221000195201

Page: 9 of 43

### 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
<b>RF Conducted Test</b>						
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
<b>RF Radiated Test</b>						
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

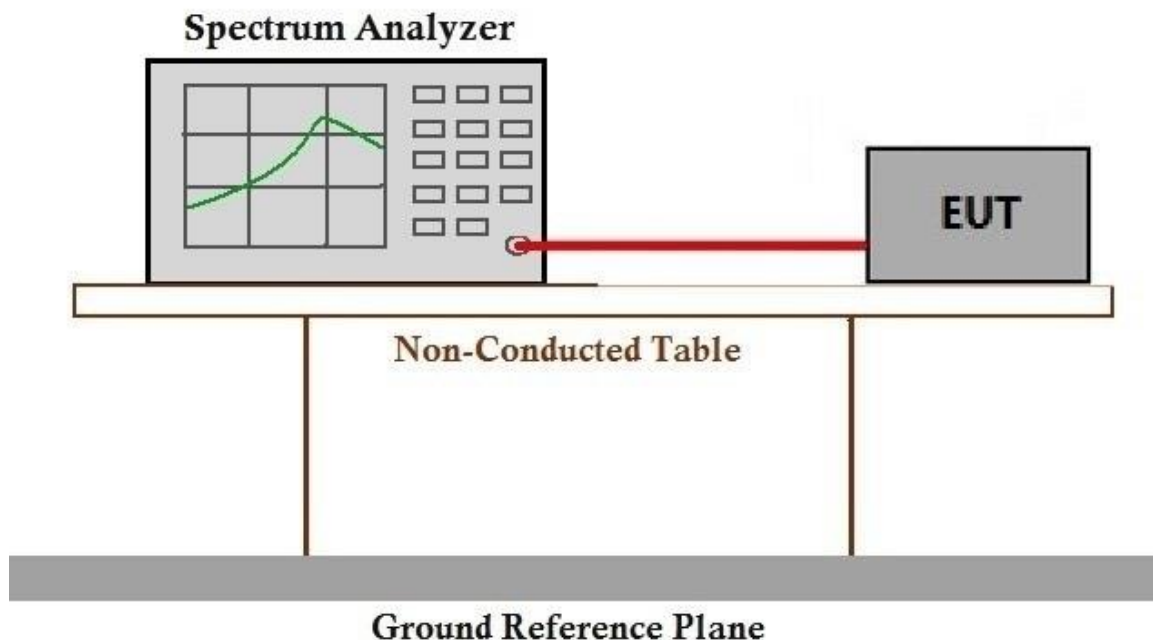
### 6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §96.41  
 Test Method: ANSI C63.26, KDB 971168 D01 v03  
 Limit: EIRP ≤ 37dBm/10MHz, PSD ≤ 20dBm/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 KSCR2210001952AT-FCC-NR48& Appendix for KSCR2210001952AT-FCC-NR78



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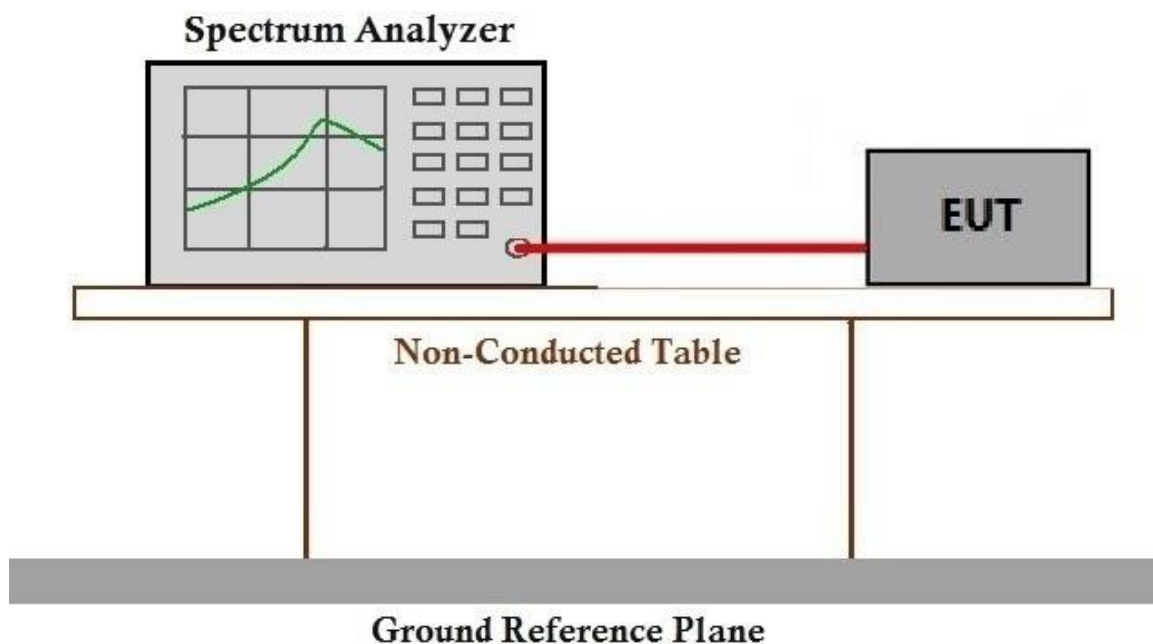
### 6.2 Peak-Average Ratio

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

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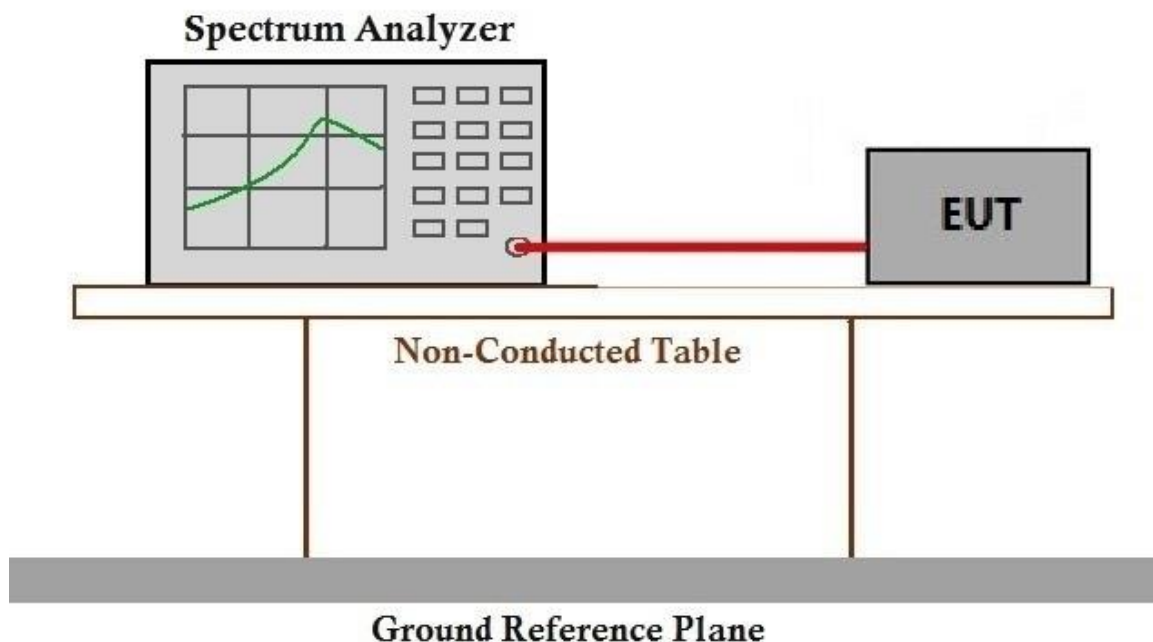
### 6.3 Bandwidth

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

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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 -40dBm/MHz.

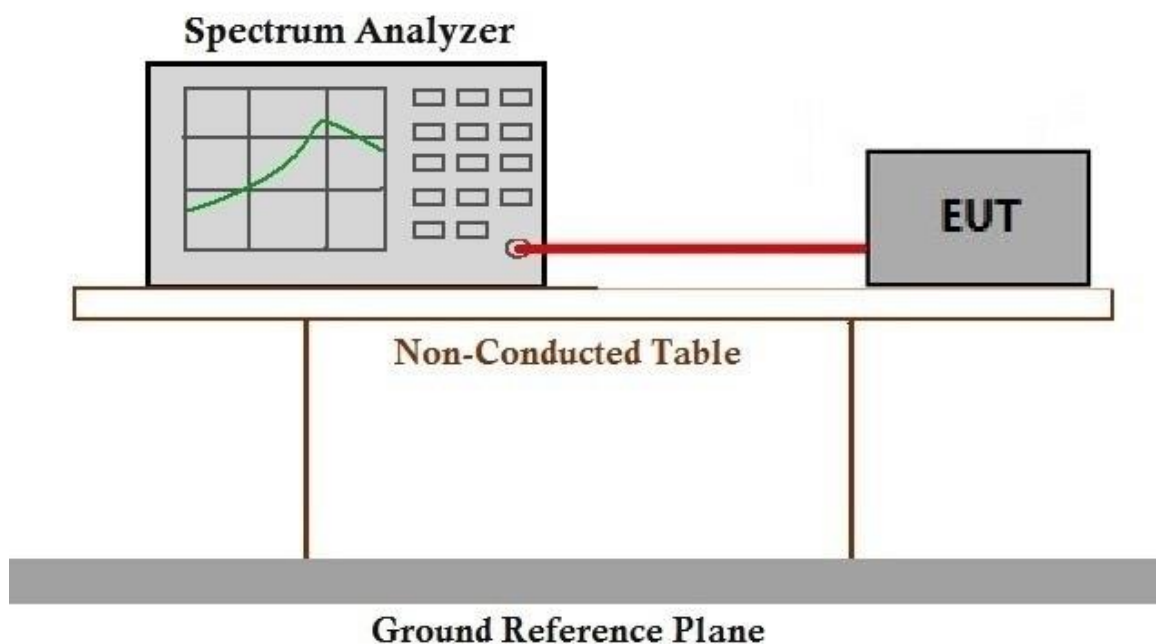
#### 6.4.1 E.U.T. Operation

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.: KSCR221000195201

Page: 15 of 43

### 6.4.3 Measurement Data

Please refer to Appendix for KSCR2210001952AT-FCC-NR48& Appendix for KSCR2210001952AT-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.

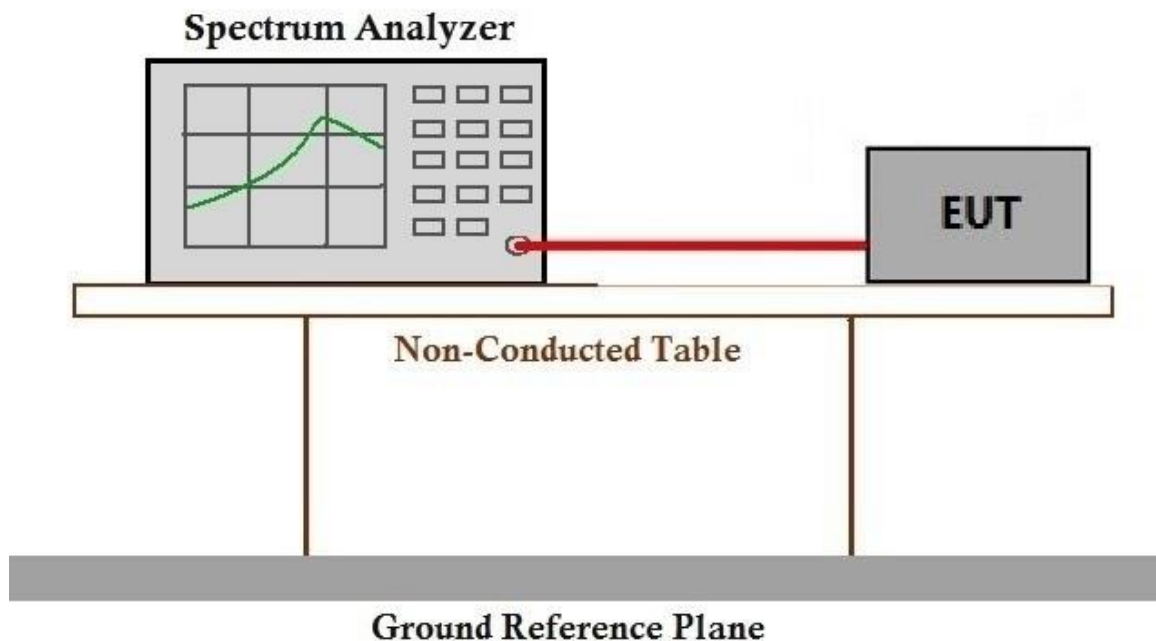
#### 6.5.1 E.U.T. Operation

Operating Environment:

Temperature:  $22.0^{\circ}\text{C}$  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.: KSCR221000195201

Page: 17 of 43

### 6.5.3 Measurement Data

Please refer to Appendix for KSCR2210001952AT-FCC-NR48& Appendix for KSCR2210001952AT-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.

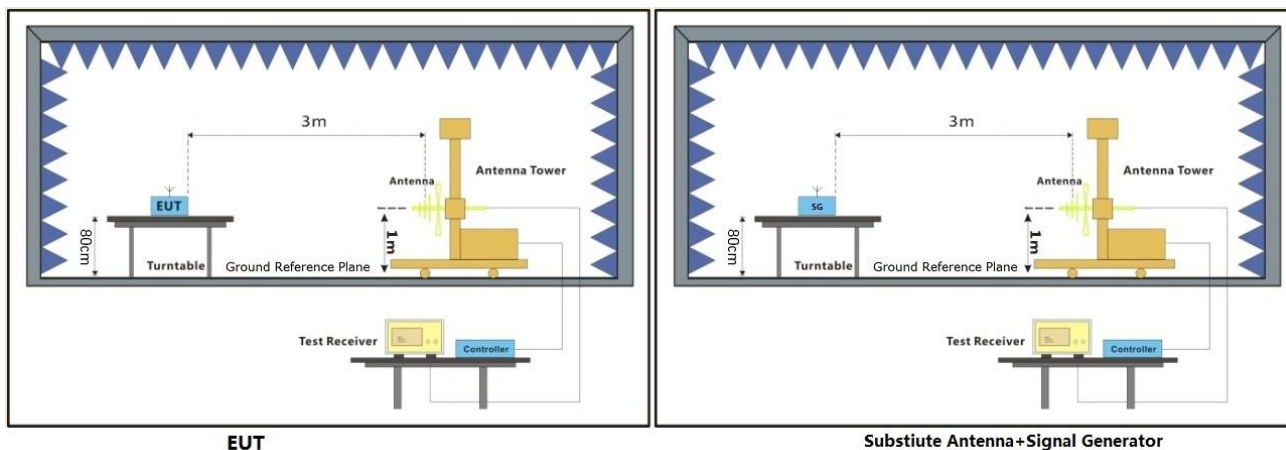
#### 6.6.1 E.U.T. Operation

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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Report No.: KSCR221000195201

Page: 20 of 43

N48-10M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
406.1	Horizontal	-68.18	-40	-28.18	pass
599.9	Horizontal	-67.02	-40	-27.02	pass
775.6	Horizontal	-64.52	-40	-24.52	pass
6083.8	Horizontal	-58.15	-40	-18.15	pass
8303.9	Horizontal	-55.95	-40	-15.95	pass
10504.8	Horizontal	-52.61	-40	-12.61	pass
396.1	Vertical	-67.37	-40	-27.37	pass
570.8	Vertical	-65.75	-40	-25.75	pass
801.2	Vertical	-64.99	-40	-24.99	pass
6235.6	Vertical	-56.96	-40	-16.96	pass
8630.5	Vertical	-56.57	-40	-16.57	pass
10669.1	Vertical	-53.33	-40	-13.33	pass

N48-10M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
388.5	Horizontal	-69.41	-40	-29.41	pass
586.3	Horizontal	-65.79	-40	-25.79	pass
782.3	Horizontal	-61.95	-40	-21.95	pass
6104.7	Horizontal	-59.48	-40	-19.48	pass
8314.8	Horizontal	-54.15	-40	-14.15	pass
10539.8	Horizontal	-53.64	-40	-13.64	pass
383.3	Vertical	-67.55	-40	-27.55	pass
592.1	Vertical	-64.98	-40	-24.98	pass
804.6	Vertical	-63.48	-40	-23.48	pass
6197.9	Vertical	-58.02	-40	-18.02	pass
8553.2	Vertical	-55.05	-40	-15.05	pass
10663.0	Vertical	-52.06	-40	-12.06	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 21 of 43

N48-10M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
382.8	Horizontal	-66.48	-40	-26.48	pass
567.3	Horizontal	-65.60	-40	-25.60	pass
800.1	Horizontal	-63.39	-40	-23.39	pass
6175.6	Horizontal	-57.29	-40	-17.29	pass
8375.1	Horizontal	-56.95	-40	-16.95	pass
10489.0	Horizontal	-50.85	-40	-10.85	pass
367.5	Vertical	-66.08	-40	-26.08	pass
571.0	Vertical	-65.36	-40	-25.36	pass
789.5	Vertical	-62.88	-40	-22.88	pass
6271.3	Vertical	-56.75	-40	-16.75	pass
8550.7	Vertical	-53.72	-40	-13.72	pass
10582.8	Vertical	-53.62	-40	-13.62	pass

N48-20M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
369.0	Horizontal	-67.67	-40	-27.67	pass
585.3	Horizontal	-66.83	-40	-26.83	pass
781.5	Horizontal	-64.02	-40	-24.02	pass
6114.8	Horizontal	-56.83	-40	-16.83	pass
8344.1	Horizontal	-54.19	-40	-14.19	pass
10540.4	Horizontal	-51.38	-40	-11.38	pass
395.1	Vertical	-66.14	-40	-26.14	pass
561.7	Vertical	-63.35	-40	-23.35	pass
812.1	Vertical	-62.92	-40	-22.92	pass
6288.0	Vertical	-59.39	-40	-19.39	pass
8582.5	Vertical	-54.50	-40	-14.50	pass
10656.7	Vertical	-53.25	-40	-13.25	pass



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N48-20M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
371.5	Horizontal	-68.87	-40	-28.87	pass
562.0	Horizontal	-66.30	-40	-26.30	pass
793.1	Horizontal	-61.98	-40	-21.98	pass
6135.8	Horizontal	-58.51	-40	-18.51	pass
8321.6	Horizontal	-56.47	-40	-16.47	pass
10583.2	Horizontal	-51.45	-40	-11.45	pass
410.3	Vertical	-65.27	-40	-25.27	pass
583.8	Vertical	-63.50	-40	-23.50	pass
774.1	Vertical	-61.18	-40	-21.18	pass
6221.9	Vertical	-60.12	-40	-20.12	pass
8615.2	Vertical	-56.07	-40	-16.07	pass
10630.0	Vertical	-54.36	-40	-14.36	pass

N48-20M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
362.6	Horizontal	-69.23	-40	-29.23	pass
571.7	Horizontal	-67.07	-40	-27.07	pass
789.9	Horizontal	-63.26	-40	-23.26	pass
6092.0	Horizontal	-57.33	-40	-17.33	pass
8349.5	Horizontal	-54.40	-40	-14.40	pass
10502.5	Horizontal	-53.47	-40	-13.47	pass
362.4	Vertical	-67.97	-40	-27.97	pass
604.9	Vertical	-66.49	-40	-26.49	pass
822.4	Vertical	-64.55	-40	-24.55	pass
6281.1	Vertical	-57.59	-40	-17.59	pass
8591.7	Vertical	-54.16	-40	-14.16	pass
10603.6	Vertical	-52.53	-40	-12.53	pass



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Report No.: KSCR221000195201

Page: 23 of 43

N48-40M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
403.4	Horizontal	-68.36	-40	-28.36	pass
594.2	Horizontal	-66.26	-40	-26.26	pass
773.3	Horizontal	-64.96	-40	-24.96	pass
6091.3	Horizontal	-58.48	-40	-18.48	pass
8327.5	Horizontal	-56.59	-40	-16.59	pass
10581.8	Horizontal	-54.75	-40	-14.75	pass
405.0	Vertical	-66.80	-40	-26.80	pass
585.8	Vertical	-67.17	-40	-27.17	pass
774.8	Vertical	-62.58	-40	-22.58	pass
6248.2	Vertical	-58.97	-40	-18.97	pass
8550.1	Vertical	-53.61	-40	-13.61	pass
10639.9	Vertical	-52.77	-40	-12.77	pass

N48-40M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
378.4	Horizontal	-68.69	-40	-28.69	pass
599.6	Horizontal	-67.26	-40	-27.26	pass
795.4	Horizontal	-64.11	-40	-24.11	pass
6108.4	Horizontal	-58.51	-40	-18.51	pass
8366.7	Horizontal	-55.62	-40	-15.62	pass
10528.6	Horizontal	-51.67	-40	-11.67	pass
378.8	Vertical	-65.85	-40	-25.85	pass
561.2	Vertical	-64.47	-40	-24.47	pass
774.0	Vertical	-62.24	-40	-22.24	pass
6245.4	Vertical	-57.35	-40	-17.35	pass
8612.3	Vertical	-56.68	-40	-16.68	pass
10628.5	Vertical	-52.93	-40	-12.93	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 24 of 43

N48-40M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
386.7	Horizontal	-67.72	-40	-27.72	pass
568.1	Horizontal	-65.11	-40	-25.11	pass
783.7	Horizontal	-63.69	-40	-23.69	pass
6094.1	Horizontal	-58.81	-40	-18.81	pass
8313.1	Horizontal	-56.32	-40	-16.32	pass
10507.2	Horizontal	-52.73	-40	-12.73	pass
381.5	Vertical	-66.23	-40	-26.23	pass
595.2	Vertical	-64.70	-40	-24.70	pass
787.1	Vertical	-61.59	-40	-21.59	pass
6217.0	Vertical	-60.01	-40	-20.01	pass
8554.4	Vertical	-55.96	-40	-15.96	pass
10637.3	Vertical	-51.32	-40	-11.32	pass

N78-10M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
395.5	Horizontal	-69.10	-40	-29.10	pass
583.5	Horizontal	-67.35	-40	-27.35	pass
808.1	Horizontal	-63.31	-40	-23.31	pass
6163.1	Horizontal	-57.61	-40	-17.61	pass
8301.5	Horizontal	-56.16	-40	-16.16	pass
10524.9	Horizontal	-51.28	-40	-11.28	pass
384.1	Vertical	-66.17	-40	-26.17	pass
596.1	Vertical	-64.46	-40	-24.46	pass
781.5	Vertical	-62.10	-40	-22.10	pass
6190.1	Vertical	-56.69	-40	-16.69	pass
8578.2	Vertical	-53.69	-40	-13.69	pass
10636.7	Vertical	-51.14	-40	-11.14	pass



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Report No.: KSCR221000195201

Page: 25 of 43

N78-10M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
409.5	Horizontal	-66.75	-40	-26.75	pass
605.2	Horizontal	-64.76	-40	-24.76	pass
788.3	Horizontal	-62.01	-40	-22.01	pass
6174.6	Horizontal	-58.52	-40	-18.52	pass
8321.8	Horizontal	-55.04	-40	-15.04	pass
10543.9	Horizontal	-52.65	-40	-12.65	pass
383.6	Vertical	-66.19	-40	-26.19	pass
582.9	Vertical	-65.27	-40	-25.27	pass
795.7	Vertical	-62.13	-40	-22.13	pass
6242.8	Vertical	-57.91	-40	-17.91	pass
8635.4	Vertical	-57.44	-40	-17.44	pass
10582.7	Vertical	-50.63	-40	-10.63	pass

N78-10M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
368.9	Horizontal	-69.34	-40	-29.34	pass
596.3	Horizontal	-65.43	-40	-25.43	pass
813.4	Horizontal	-62.32	-40	-22.32	pass
6162.7	Horizontal	-59.77	-40	-19.77	pass
8347.3	Horizontal	-56.07	-40	-16.07	pass
10508.2	Horizontal	-52.49	-40	-12.49	pass
406.3	Vertical	-67.37	-40	-27.37	pass
598.3	Vertical	-65.51	-40	-25.51	pass
810.0	Vertical	-61.75	-40	-21.75	pass
6190.2	Vertical	-59.55	-40	-19.55	pass
8616.9	Vertical	-53.92	-40	-13.92	pass
10662.0	Vertical	-51.39	-40	-11.39	pass



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Report No.: KSCR221000195201

Page: 26 of 43

N78-15M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
379.1	Horizontal	-67.72	-40	-27.72	pass
598.1	Horizontal	-65.61	-40	-25.61	pass
810.9	Horizontal	-62.00	-40	-22.00	pass
6176.1	Horizontal	-59.57	-40	-19.57	pass
8305.9	Horizontal	-56.38	-40	-16.38	pass
10509.2	Horizontal	-52.38	-40	-12.38	pass
404.2	Vertical	-69.00	-40	-29.00	pass
582.2	Vertical	-64.79	-40	-24.79	pass
794.0	Vertical	-63.15	-40	-23.15	pass
6192.0	Vertical	-57.32	-40	-17.32	pass
8596.6	Vertical	-53.62	-40	-13.62	pass
10612.3	Vertical	-50.65	-40	-10.65	pass

N78-15M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
401.2	Horizontal	-68.57	-40	-28.57	pass
566.6	Horizontal	-66.70	-40	-26.70	pass
818.9	Horizontal	-64.61	-40	-24.61	pass
6137.9	Horizontal	-57.34	-40	-17.34	pass
8316.1	Horizontal	-56.10	-40	-16.10	pass
10537.2	Horizontal	-53.36	-40	-13.36	pass
392.7	Vertical	-68.92	-40	-28.92	pass
601.4	Vertical	-65.42	-40	-25.42	pass
805.8	Vertical	-64.77	-40	-24.77	pass
6246.0	Vertical	-59.85	-40	-19.85	pass
8639.0	Vertical	-54.20	-40	-14.20	pass
10629.9	Vertical	-53.60	-40	-13.60	pass



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N78-15M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
382.1	Horizontal	-68.06	-40	-28.06	pass
587.1	Horizontal	-63.98	-40	-23.98	pass
790.0	Horizontal	-62.37	-40	-22.37	pass
6178.1	Horizontal	-57.05	-40	-17.05	pass
8362.5	Horizontal	-55.46	-40	-15.46	pass
10498.1	Horizontal	-53.22	-40	-13.22	pass
363.3	Vertical	-67.04	-40	-27.04	pass
597.6	Vertical	-64.98	-40	-24.98	pass
820.3	Vertical	-62.44	-40	-22.44	pass
6195.1	Vertical	-59.89	-40	-19.89	pass
8605.0	Vertical	-53.87	-40	-13.87	pass
10626.1	Vertical	-52.72	-40	-12.72	pass

N78-20M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
379.6	Horizontal	-68.66	-40	-28.66	pass
580.6	Horizontal	-63.75	-40	-23.75	pass
808.9	Horizontal	-62.11	-40	-22.11	pass
6089.7	Horizontal	-57.00	-40	-17.00	pass
8384.5	Horizontal	-55.09	-40	-15.09	pass
10521.0	Horizontal	-51.38	-40	-11.38	pass
371.0	Vertical	-67.63	-40	-27.63	pass
597.4	Vertical	-64.67	-40	-24.67	pass
803.7	Vertical	-63.81	-40	-23.81	pass
6205.2	Vertical	-58.77	-40	-18.77	pass
8629.5	Vertical	-56.25	-40	-16.25	pass
10579.7	Vertical	-51.12	-40	-11.12	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 28 of 43

N78-20M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
393.4	Horizontal	-68.78	-40	-28.78	pass
592.8	Horizontal	-65.56	-40	-25.56	pass
786.4	Horizontal	-63.87	-40	-23.87	pass
6149.2	Horizontal	-59.80	-40	-19.80	pass
8388.9	Horizontal	-57.12	-40	-17.12	pass
10561.2	Horizontal	-52.14	-40	-12.14	pass
384.2	Vertical	-67.75	-40	-27.75	pass
596.2	Vertical	-65.86	-40	-25.86	pass
800.1	Vertical	-64.90	-40	-24.90	pass
6280.9	Vertical	-60.23	-40	-20.23	pass
8626.4	Vertical	-54.09	-40	-14.09	pass
10630.7	Vertical	-53.45	-40	-13.45	pass

N78-20M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
403.6	Horizontal	-68.53	-40	-28.53	pass
602.7	Horizontal	-66.24	-40	-26.24	pass
781.8	Horizontal	-63.85	-40	-23.85	pass
6155.8	Horizontal	-57.20	-40	-17.20	pass
8320.6	Horizontal	-54.04	-40	-14.04	pass
10580.3	Horizontal	-52.06	-40	-12.06	pass
393.1	Vertical	-65.37	-40	-25.37	pass
599.2	Vertical	-63.61	-40	-23.61	pass
809.8	Vertical	-61.80	-40	-21.80	pass
6219.2	Vertical	-58.78	-40	-18.78	pass
8564.4	Vertical	-54.84	-40	-14.84	pass
10624.4	Vertical	-54.12	-40	-14.12	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 29 of 43

N78-30M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
382.4	Horizontal	-67.04	-40	-27.04	pass
560.0	Horizontal	-65.83	-40	-25.83	pass
823.0	Horizontal	-64.33	-40	-24.33	pass
6165.3	Horizontal	-58.01	-40	-18.01	pass
8348.3	Horizontal	-55.75	-40	-15.75	pass
10565.8	Horizontal	-53.70	-40	-13.70	pass
374.1	Vertical	-65.59	-40	-25.59	pass
599.0	Vertical	-64.93	-40	-24.93	pass
793.6	Vertical	-63.53	-40	-23.53	pass
6192.7	Vertical	-58.87	-40	-18.87	pass
8584.4	Vertical	-54.62	-40	-14.62	pass
10645.6	Vertical	-53.72	-40	-13.72	pass

N78-30M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
397.9	Horizontal	-68.35	-40	-28.35	pass
572.1	Horizontal	-66.94	-40	-26.94	pass
803.3	Horizontal	-65.70	-40	-25.70	pass
6172.2	Horizontal	-59.96	-40	-19.96	pass
8391.7	Horizontal	-54.68	-40	-14.68	pass
10527.7	Horizontal	-52.30	-40	-12.30	pass
402.7	Vertical	-68.16	-40	-28.16	pass
582.8	Vertical	-66.66	-40	-26.66	pass
808.5	Vertical	-61.88	-40	-21.88	pass
6260.2	Vertical	-57.74	-40	-17.74	pass
8629.1	Vertical	-56.21	-40	-16.21	pass
10613.8	Vertical	-51.38	-40	-11.38	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 30 of 43

N78-30M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
406.5	Horizontal	-66.94	-40	-26.94	pass
573.0	Horizontal	-64.29	-40	-24.29	pass
782.1	Horizontal	-62.61	-40	-22.61	pass
6103.0	Horizontal	-56.53	-40	-16.53	pass
8382.0	Horizontal	-55.77	-40	-15.77	pass
10504.0	Horizontal	-54.39	-40	-14.39	pass
410.3	Vertical	-67.63	-40	-27.63	pass
583.2	Vertical	-66.19	-40	-26.19	pass
795.8	Vertical	-64.27	-40	-24.27	pass
6213.6	Vertical	-57.43	-40	-17.43	pass
8608.6	Vertical	-55.82	-40	-15.82	pass
10631.5	Vertical	-52.03	-40	-12.03	pass

N78-40M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
407.4	Horizontal	-68.68	-40	-28.68	pass
581.7	Horizontal	-66.61	-40	-26.61	pass
792.7	Horizontal	-62.80	-40	-22.80	pass
6155.1	Horizontal	-57.27	-40	-17.27	pass
8368.3	Horizontal	-56.47	-40	-16.47	pass
10540.1	Horizontal	-51.50	-40	-11.50	pass
407.5	Vertical	-67.79	-40	-27.79	pass
574.4	Vertical	-65.78	-40	-25.78	pass
816.2	Vertical	-62.43	-40	-22.43	pass
6288.2	Vertical	-59.64	-40	-19.64	pass
8549.7	Vertical	-56.80	-40	-16.80	pass
10599.1	Vertical	-53.91	-40	-13.91	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 31 of 43

N78-40M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
370.8	Horizontal	-66.07	-40	-26.07	pass
586.7	Horizontal	-65.32	-40	-25.32	pass
791.2	Horizontal	-64.10	-40	-24.10	pass
6111.4	Horizontal	-56.14	-40	-16.14	pass
8329.1	Horizontal	-55.93	-40	-15.93	pass
10537.8	Horizontal	-51.99	-40	-11.99	pass
404.9	Vertical	-66.10	-40	-26.10	pass
580.5	Vertical	-66.00	-40	-26.00	pass
779.3	Vertical	-64.97	-40	-24.97	pass
6222.8	Vertical	-58.36	-40	-18.36	pass
8591.7	Vertical	-56.00	-40	-16.00	pass
10595.1	Vertical	-52.28	-40	-12.28	pass

N78-40M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
384.4	Horizontal	-68.74	-40	-28.74	pass
560.1	Horizontal	-66.72	-40	-26.72	pass
806.0	Horizontal	-63.14	-40	-23.14	pass
6151.4	Horizontal	-58.97	-40	-18.97	pass
8330.4	Horizontal	-55.08	-40	-15.08	pass
10495.1	Horizontal	-51.93	-40	-11.93	pass
384.8	Vertical	-68.15	-40	-28.15	pass
575.6	Vertical	-63.57	-40	-23.57	pass
819.4	Vertical	-62.48	-40	-22.48	pass
6254.6	Vertical	-58.36	-40	-18.36	pass
8578.5	Vertical	-54.63	-40	-14.63	pass
10650.0	Vertical	-51.17	-40	-11.17	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 32 of 43

N78-50M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
368.7	Horizontal	-68.46	-40	-28.46	pass
565.6	Horizontal	-64.87	-40	-24.87	pass
797.6	Horizontal	-63.22	-40	-23.22	pass
6174.2	Horizontal	-59.39	-40	-19.39	pass
8382.4	Horizontal	-57.03	-40	-17.03	pass
10564.1	Horizontal	-53.94	-40	-13.94	pass
388.6	Vertical	-66.83	-40	-26.83	pass
579.0	Vertical	-63.46	-40	-23.46	pass
777.6	Vertical	-63.30	-40	-23.30	pass
6287.1	Vertical	-58.43	-40	-18.43	pass
8549.8	Vertical	-54.11	-40	-14.11	pass
10590.5	Vertical	-53.96	-40	-13.96	pass

N78-50M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
366.2	Horizontal	-67.76	-40	-27.76	pass
602.2	Horizontal	-66.19	-40	-26.19	pass
808.6	Horizontal	-65.48	-40	-25.48	pass
6177.3	Horizontal	-58.14	-40	-18.14	pass
8365.5	Horizontal	-54.30	-40	-14.30	pass
10544.1	Horizontal	-53.21	-40	-13.21	pass
403.8	Vertical	-67.45	-40	-27.45	pass
608.6	Vertical	-65.29	-40	-25.29	pass
810.2	Vertical	-61.72	-40	-21.72	pass
6260.0	Vertical	-57.69	-40	-17.69	pass
8627.5	Vertical	-54.40	-40	-14.40	pass
10604.3	Vertical	-50.61	-40	-10.61	pass



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N78-50M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
406.3	Horizontal	-66.36	-40	-26.36	pass
579.1	Horizontal	-64.86	-40	-24.86	pass
818.1	Horizontal	-62.28	-40	-22.28	pass
6122.7	Horizontal	-59.28	-40	-19.28	pass
8352.8	Horizontal	-54.17	-40	-14.17	pass
10586.3	Horizontal	-51.66	-40	-11.66	pass
401.7	Vertical	-66.89	-40	-26.89	pass
596.1	Vertical	-64.41	-40	-24.41	pass
779.9	Vertical	-63.90	-40	-23.90	pass
6274.0	Vertical	-56.55	-40	-16.55	pass
8555.5	Vertical	-53.72	-40	-13.72	pass
10595.5	Vertical	-50.72	-40	-10.72	pass

N78-60M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
362.0	Horizontal	-67.37	-40	-27.37	pass
608.9	Horizontal	-65.54	-40	-25.54	pass
788.0	Horizontal	-62.62	-40	-22.62	pass
6128.0	Horizontal	-58.94	-40	-18.94	pass
8325.1	Horizontal	-56.73	-40	-16.73	pass
10527.9	Horizontal	-53.13	-40	-13.13	pass
372.1	Vertical	-68.71	-40	-28.71	pass
587.4	Vertical	-65.86	-40	-25.86	pass
800.2	Vertical	-61.87	-40	-21.87	pass
6269.5	Vertical	-59.73	-40	-19.73	pass
8574.4	Vertical	-56.16	-40	-16.16	pass
10650.5	Vertical	-52.14	-40	-12.14	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 34 of 43

N78-60M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
405.8	Horizontal	-67.34	-40	-27.34	pass
580.1	Horizontal	-65.95	-40	-25.95	pass
811.7	Horizontal	-62.05	-40	-22.05	pass
6178.3	Horizontal	-59.47	-40	-19.47	pass
8304.8	Horizontal	-55.66	-40	-15.66	pass
10550.5	Horizontal	-53.35	-40	-13.35	pass
370.5	Vertical	-65.46	-40	-25.46	pass
581.3	Vertical	-63.43	-40	-23.43	pass
817.7	Vertical	-62.64	-40	-22.64	pass
6274.5	Vertical	-57.81	-40	-17.81	pass
8607.2	Vertical	-53.84	-40	-13.84	pass
10595.0	Vertical	-51.63	-40	-11.63	pass

N78-60M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
364.6	Horizontal	-67.30	-40	-27.30	pass
570.5	Horizontal	-64.54	-40	-24.54	pass
812.0	Horizontal	-62.36	-40	-22.36	pass
6144.3	Horizontal	-59.01	-40	-19.01	pass
8332.0	Horizontal	-56.39	-40	-16.39	pass
10516.9	Horizontal	-51.88	-40	-11.88	pass
400.2	Vertical	-67.35	-40	-27.35	pass
574.1	Vertical	-63.35	-40	-23.35	pass
821.9	Vertical	-61.46	-40	-21.46	pass
6246.2	Vertical	-59.73	-40	-19.73	pass
8610.5	Vertical	-54.60	-40	-14.60	pass
10580.0	Vertical	-53.07	-40	-13.07	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 35 of 43

N78-70M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
394.4	Horizontal	-67.69	-40	-27.69	pass
609.2	Horizontal	-66.40	-40	-26.40	pass
785.1	Horizontal	-62.09	-40	-22.09	pass
6119.0	Horizontal	-57.30	-40	-17.30	pass
8291.9	Horizontal	-55.28	-40	-15.28	pass
10575.4	Horizontal	-54.19	-40	-14.19	pass
367.2	Vertical	-67.12	-40	-27.12	pass
587.4	Vertical	-63.83	-40	-23.83	pass
774.2	Vertical	-61.58	-40	-21.58	pass
6242.2	Vertical	-58.25	-40	-18.25	pass
8620.8	Vertical	-57.36	-40	-17.36	pass
10624.2	Vertical	-51.91	-40	-11.91	pass

N78-70M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
409.0	Horizontal	-68.16	-40	-28.16	pass
605.6	Horizontal	-66.27	-40	-26.27	pass
791.6	Horizontal	-63.93	-40	-23.93	pass
6120.3	Horizontal	-58.34	-40	-18.34	pass
8315.6	Horizontal	-53.72	-40	-13.72	pass
10580.9	Horizontal	-52.15	-40	-12.15	pass
389.0	Vertical	-67.19	-40	-27.19	pass
575.5	Vertical	-63.81	-40	-23.81	pass
776.6	Vertical	-62.96	-40	-22.96	pass
6277.4	Vertical	-57.24	-40	-17.24	pass
8634.8	Vertical	-56.03	-40	-16.03	pass
10632.1	Vertical	-53.27	-40	-13.27	pass



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N78-70M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
401.9	Horizontal	-69.38	-40	-29.38	pass
602.4	Horizontal	-66.79	-40	-26.79	pass
773.8	Horizontal	-62.99	-40	-22.99	pass
6172.1	Horizontal	-56.80	-40	-16.80	pass
8345.0	Horizontal	-55.59	-40	-15.59	pass
10561.2	Horizontal	-52.69	-40	-12.69	pass
386.4	Vertical	-66.39	-40	-26.39	pass
587.5	Vertical	-64.90	-40	-24.90	pass
799.8	Vertical	-62.93	-40	-22.93	pass
6221.4	Vertical	-57.65	-40	-17.65	pass
8555.2	Vertical	-54.24	-40	-14.24	pass
10669.0	Vertical	-51.64	-40	-11.64	pass

N78-80M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
400.0	Horizontal	-67.16	-40	-27.16	pass
591.9	Horizontal	-65.90	-40	-25.90	pass
809.3	Horizontal	-61.82	-40	-21.82	pass
6120.2	Horizontal	-57.60	-40	-17.60	pass
8322.9	Horizontal	-55.46	-40	-15.46	pass
10493.1	Horizontal	-53.74	-40	-13.74	pass
409.4	Vertical	-68.43	-40	-28.43	pass
597.8	Vertical	-66.68	-40	-26.68	pass
817.7	Vertical	-64.89	-40	-24.89	pass
6214.8	Vertical	-59.80	-40	-19.80	pass
8620.6	Vertical	-56.40	-40	-16.40	pass
10610.8	Vertical	-51.43	-40	-11.43	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 37 of 43

N78-80M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
407.3	Horizontal	-68.28	-40	-28.28	pass
586.8	Horizontal	-66.01	-40	-26.01	pass
822.7	Horizontal	-65.69	-40	-25.69	pass
6124.3	Horizontal	-59.72	-40	-19.72	pass
8380.8	Horizontal	-57.09	-40	-17.09	pass
10550.6	Horizontal	-53.55	-40	-13.55	pass
385.0	Vertical	-65.45	-40	-25.45	pass
607.9	Vertical	-65.18	-40	-25.18	pass
816.9	Vertical	-61.40	-40	-21.40	pass
6231.0	Vertical	-59.27	-40	-19.27	pass
8549.2	Vertical	-54.05	-40	-14.05	pass
10582.9	Vertical	-53.03	-40	-13.03	pass

N78-80M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
407.1	Horizontal	-65.95	-40	-25.95	pass
560.4	Horizontal	-65.20	-40	-25.20	pass
776.3	Horizontal	-62.70	-40	-22.70	pass
6117.4	Horizontal	-59.54	-40	-19.54	pass
8359.6	Horizontal	-53.73	-40	-13.73	pass
10533.5	Horizontal	-52.83	-40	-12.83	pass
404.5	Vertical	-65.55	-40	-25.55	pass
598.9	Vertical	-63.70	-40	-23.70	pass
774.8	Vertical	-62.53	-40	-22.53	pass
6214.1	Vertical	-56.55	-40	-16.55	pass
8569.8	Vertical	-54.04	-40	-14.04	pass
10635.0	Vertical	-53.00	-40	-13.00	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 38 of 43

N78-90M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
407.1	Horizontal	-67.25	-40	-27.25	pass
576.4	Horizontal	-64.15	-40	-24.15	pass
787.7	Horizontal	-62.92	-40	-22.92	pass
6175.4	Horizontal	-59.99	-40	-19.99	pass
8390.1	Horizontal	-54.43	-40	-14.43	pass
10538.7	Horizontal	-51.00	-40	-11.00	pass
393.4	Vertical	-66.71	-40	-26.71	pass
602.5	Vertical	-64.08	-40	-24.08	pass
802.7	Vertical	-64.02	-40	-24.02	pass
6246.9	Vertical	-59.33	-40	-19.33	pass
8604.9	Vertical	-57.46	-40	-17.46	pass
10655.0	Vertical	-51.95	-40	-11.95	pass

N78-90M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
388.0	Horizontal	-68.81	-40	-28.81	pass
587.0	Horizontal	-66.30	-40	-26.30	pass
814.8	Horizontal	-63.29	-40	-23.29	pass
6164.6	Horizontal	-59.74	-40	-19.74	pass
8327.3	Horizontal	-56.11	-40	-16.11	pass
10521.2	Horizontal	-53.95	-40	-13.95	pass
377.6	Vertical	-67.71	-40	-27.71	pass
573.8	Vertical	-66.76	-40	-26.76	pass
781.1	Vertical	-61.19	-40	-21.19	pass
6198.0	Vertical	-56.74	-40	-16.74	pass
8604.9	Vertical	-56.47	-40	-16.47	pass
10601.3	Vertical	-51.03	-40	-11.03	pass



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Report No.: KSCR221000195201

Page: 39 of 43

N78-90M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
405.9	Horizontal	-68.87	-40	-28.87	pass
598.7	Horizontal	-67.23	-40	-27.23	pass
775.4	Horizontal	-65.40	-40	-25.40	pass
6095.7	Horizontal	-59.84	-40	-19.84	pass
8308.4	Horizontal	-55.44	-40	-15.44	pass
10529.0	Horizontal	-53.79	-40	-13.79	pass
372.8	Vertical	-68.63	-40	-28.63	pass
574.4	Vertical	-65.81	-40	-25.81	pass
784.5	Vertical	-63.72	-40	-23.72	pass
6211.5	Vertical	-59.77	-40	-19.77	pass
8574.6	Vertical	-56.56	-40	-16.56	pass
10596.9	Vertical	-53.18	-40	-13.18	pass

N78-100M_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
395.9	Horizontal	-67.70	-40	-27.70	pass
581.4	Horizontal	-64.66	-40	-24.66	pass
793.2	Horizontal	-64.42	-40	-24.42	pass
6098.2	Horizontal	-57.51	-40	-17.51	pass
8389.4	Horizontal	-55.62	-40	-15.62	pass
10508.5	Horizontal	-53.18	-40	-13.18	pass
376.4	Vertical	-66.55	-40	-26.55	pass
589.7	Vertical	-64.94	-40	-24.94	pass
786.8	Vertical	-64.12	-40	-24.12	pass
6242.4	Vertical	-59.77	-40	-19.77	pass
8598.1	Vertical	-54.95	-40	-14.95	pass
10668.7	Vertical	-53.20	-40	-13.20	pass



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## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000195201

Page: 40 of 43

N78-100M_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
374.7	Horizontal	-68.30	-40	-28.30	pass
584.4	Horizontal	-64.06	-40	-24.06	pass
802.2	Horizontal	-62.81	-40	-22.81	pass
6169.8	Horizontal	-56.30	-40	-16.30	pass
8319.6	Horizontal	-54.68	-40	-14.68	pass
10512.6	Horizontal	-52.11	-40	-12.11	pass
366.9	Vertical	-66.06	-40	-26.06	pass
588.0	Vertical	-65.84	-40	-25.84	pass
800.1	Vertical	-63.52	-40	-23.52	pass
6242.6	Vertical	-57.17	-40	-17.17	pass
8613.9	Vertical	-54.85	-40	-14.85	pass
10578.3	Vertical	-54.33	-40	-14.33	pass

N78-100M_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
MHz	polarization	dBm	dBm	dB	
393.2	Horizontal	-67.13	-40	-27.13	pass
602.1	Horizontal	-65.58	-40	-25.58	pass
775.6	Horizontal	-61.79	-40	-21.79	pass
6122.9	Horizontal	-56.47	-40	-16.47	pass
8383.7	Horizontal	-54.73	-40	-14.73	pass
10554.2	Horizontal	-52.90	-40	-12.90	pass
380.1	Vertical	-67.72	-40	-27.72	pass
567.3	Vertical	-66.89	-40	-26.89	pass
787.1	Vertical	-64.60	-40	-24.60	pass
6194.1	Vertical	-59.28	-40	-19.28	pass
8561.7	Vertical	-56.31	-40	-16.31	pass
10589.4	Vertical	-52.99	-40	-12.99	pass



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Report No.: KSCR221000195201

Page: 41 of 43

### 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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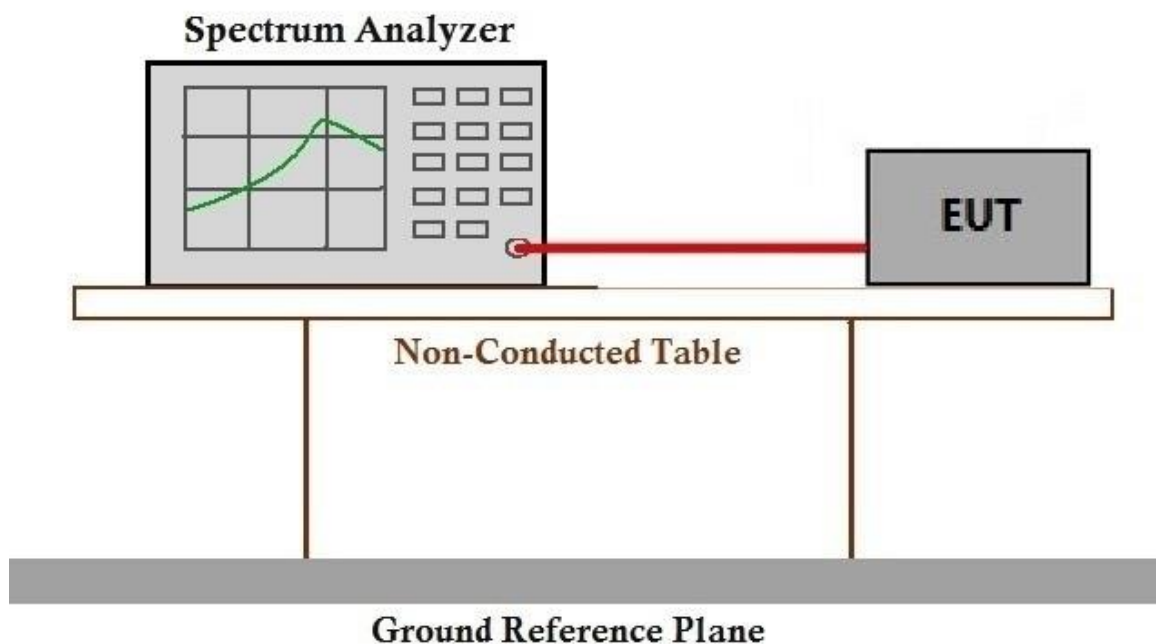
### 6.7 Frequency stability

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 KSCR2210001952AT-FCC-NR48& Appendix for KSCR2210001952AT-FCC-NR78



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 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2210001952AT

## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2210001952AT

- End of the Report -



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