

FCC TEST REPORT

(PART 22)

Applicant:	Beijing InHand Networks Technology Co., Ltd.
Address:	Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing China

Manufacturer or Supplier:	Beijing InHand Networks Technology Co., Ltd.
Address:	Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing China
Product:	5G Fixed Wireless Access
Brand Name:	inhand
Model Name:	FWA12-NANR
FCC ID:	2AANY-FWA12
Date of tests:	Jan. 17, 2025 ~ Apr. 08, 2025

The tests have been carried out according to the requirements of the following standard:

- | | |
|--|--|
| ☒ FCC PART 22, Subpart H | ☒ FCC Part 2 |
| ☒ ANSI/TIA/EIA-603-D | ☒ ANSI C63.26-2015 |
| ☒ ANSI/TIA/EIA-603-E | |

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
 Date: Apr. 08, 2025	 Date: Apr. 08, 2025

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 SUMMARY OF TEST RESULTS	5
1.1 MEASUREMENT UNCERTAINTY	6
1.2 TEST SITE AND INSTRUMENTS	7
2 GENERAL INFORMATION	9
2.1 GENERAL DESCRIPTION OF EUT	9
2.2 CONFIGURATION OF SYSTEM UNDER TEST	11
2.3 DESCRIPTION OF SUPPORT UNITS	12
2.4 TEST ITEM AND TEST CONFIGURATION	12
2.5 EUT OPERATING CONDITIONS	15
2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS	16
3 TEST TYPES AND RESULTS	17
3.1 OUTPUT POWER MEASUREMENT	17
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT	17
3.1.2 TEST PROCEDURES	17
3.1.3 TEST SETUP	18
3.1.4 TEST RESULTS	18
3.2 FREQUENCY STABILITY MEASUREMENT	39
3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT	39
3.2.2 TEST PROCEDURE	39
3.2.3 TEST SETUP	39
3.2.4 TEST RESULTS	39
3.3 OCCUPIED BANDWIDTH MEASUREMENT	40
3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT	40
3.3.2 TEST SETUP	40
3.3.3 TEST PROCEDURES	40
3.3.4 TEST RESULTS	40
3.4 BAND EDGE MEASUREMENT	41
3.4.1 LIMITS OF BAND EDGE MEASUREMENT	41
3.4.2 TEST SETUP	41
3.4.3 TEST PROCEDURES	42
3.4.4 TEST RESULTS	42
3.5 CONDUCTED SPURIOUS EMISSIONS	43
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT	43
3.5.2 TEST PROCEDURE	43
3.5.3 TEST SETUP	43
3.5.4 TEST RESULTS	43
3.6 RADIATED EMISSION MEASUREMENT	44
3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT	44



Test Report No.: PSU-NQN2502170113RF01

3.6.2	TEST PROCEDURES	44
3.6.3	DEVIATION FROM TEST STANDARD	44
3.6.4	TEST SETUP	45
3.6.5	TEST RESULTS	47
3.7	PEAK TO AVERAGE RATIO	48
3.7.1	LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT	48
3.7.2	TEST SETUP	48
3.7.3	TEST PROCEDURES	48
3.7.4	TEST RESULTS	48
4 PHOTOGRAPHS OF THE TEST CONFIGURATION		49
5 INFORMATION ON THE TESTING LABORATORIES		49
6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB		49
7 APPENDIX		49



Test Report No.: PSU-NQN2502170113RF01

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2502170113RF01	Original release	Apr. 08, 2025

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 22 & Part 2		
STANDARD SECTION	TEST TYPE	RESULT
§2.1046	Conducted Output Power	Compliance
§22.913 (a)(5)	Effective Radiated Power	Compliance
§2.1055 §22.355	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§22.913 (d)	Peak to average ratio*	Compliance
§22.917(a)	Band Edge Measurements	Compliance
§2.1051 §22.917(a)	Conducted Spurious Emissions	Compliance
§2.1053 §22.917(a)	Radiated Spurious Emissions	Compliance

* Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

*Test Lab Information Reference

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

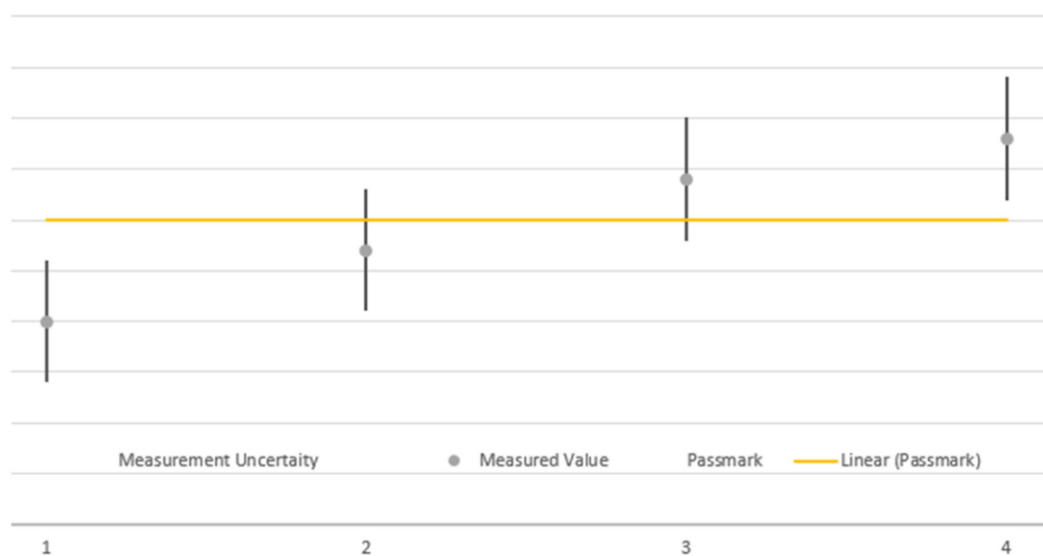
The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Maximum Peak Output Power	$\pm 2.06\text{dB}$
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Band Edge Measurements	$\pm 4.70\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,23	Aug.29,25
Pre-Amplifier	R&S	SCU08F1	101028	Jan.22,24	Jan.21,26
Vector Signal Generator	R&S	SMBV100B	102176	Mar.29,24	Mar.28,26
Signal Generator	R&S	SMB100A	182185	Mar.29,24	Mar.28,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Mar.28,24	Mar.27,26
EMI TEST Receiver	R&S	ESW44	101973	Mar.28,24	Mar.27,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Dec.26,23	Dec.25,25
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.22,23	Aug.21,25
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Jul.15,24	Jul.14,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.22,23	Aug.21,25
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.23,25	Feb.22,27
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.19,24	Jun.18,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062787	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	N/A	N/A
DC Source	HYELEC	HY3010B	551016	Aug.31,23	Aug.30,25
Hygrothermograph	DELI	20210528	SZ014	Sep.06,23	Sep.05,25
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	W12.14	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.27,24	Apr.26,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.27,24	Apr.26,25
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26



Test Report No.: PSU-NQN2502170113RF01

- NOTE:**
1. The calibration interval of the above test instruments is 12 / 24/ 36 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
 2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
 3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
 4. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	5G Fixed Wireless Access	
BRAND NAME*	inhand	
MODEL NAME*	FWA12-NANR	
NOMINAL VOLTAGE*	12Vdc(adapter or host equipment)	
MODULATION TYPE*	LTE	QPSK, 16QAM, 64QAM, 256QAM
FREQUENCY RANGE	LTE Band 5 (Channel Bandwidth: 1.4MHz)	824.7MHz ~ 848.3MHz
	LTE Band 5 (Channel Bandwidth: 3MHz)	825.5MHz ~ 847.5MHz
	LTE Band 5 (Channel Bandwidth: 5MHz)	826.5MHz ~ 846.5MHz
	LTE Band 5 (Channel Bandwidth: 10MHz)	829MHz ~ 844MHz
	LTE Band 26 (Channel Bandwidth: 1.4MHz)	824.7MHz ~ 848.3MHz
	LTE Band 26 (Channel Bandwidth: 3MHz)	825.5MHz ~ 847.5MHz
	LTE Band 26 (Channel Bandwidth: 5MHz)	826.5MHz ~ 846.5MHz
	LTE Band 26 (Channel Bandwidth: 10MHz)	829MHz ~ 844MHz
	LTE Band 26 (Channel Bandwidth: 15MHz)	831.5MHz ~ 841.5MHz
	LTE Band CA_5B Channel Bandwidth: 3MHz+5MHz	825.6MHz ~ 847.4MHz
	LTE Band CA_5B Channel Bandwidth: 5MHz+10MHz	826.8MHz ~ 844MHz
	LTE Band CA_5B Channel Bandwidth: 10MHz+5MHz	829MHz ~ 846.2MHz
	LTE Band CA_5B Channel Bandwidth: 10MHz+10MHz	829MHz ~ 844MHz
	LTE Band CA_5B Channel Bandwidth: 5MHz+3MHz	826.5MHz ~ 846.5MHz
MAX. ERP POWER	LTE Band 5 (Channel Bandwidth: 5MHz)	225.9mW
	LTE Band 26 (Channel Bandwidth: 1.4MHz)	245.5mW



MAX. ERP POWER	LTE Band CA_5B Channel Bandwidth: 10MHz+5MHz	245.5mW
ANTENNA TYPE*	5G external antenna with 2.22dBi(Max) gain for LTE B5/LTE CA_5B/LTE B26	
HW VERSION*	N/A	
SW VERSION*	V2.0	
I/O PORTS*	Refer to user's manual	
EXTREME TEMPERATURE*	-10°C~50 °C	
EXTREME VOLTAGE*	9 Vdc~14Vdc	

NOTE1: This product uses the module model RG620T-NA and supports LTE frequency bands 2/4/5/7/12/13/14/17/25/26/30/38/41/42/43/48/66/70/71. Therefore, for this product, we referred to the test data reported by the RG620T-NA module and reevaluated the spectrum of radiated emissions and EIRP.

For module RG620T-NA: Report No.: SEWM2311000473RG

FCC ID: XMR2024RG620TNA

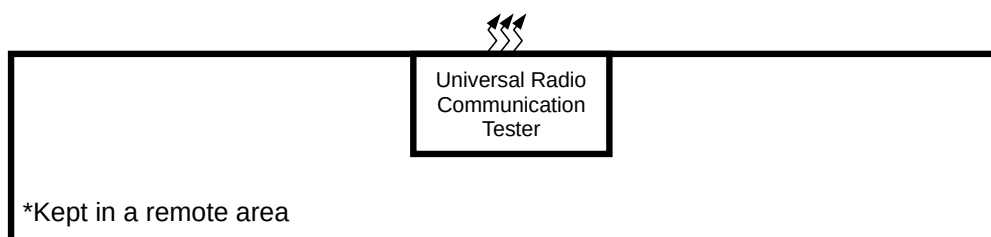
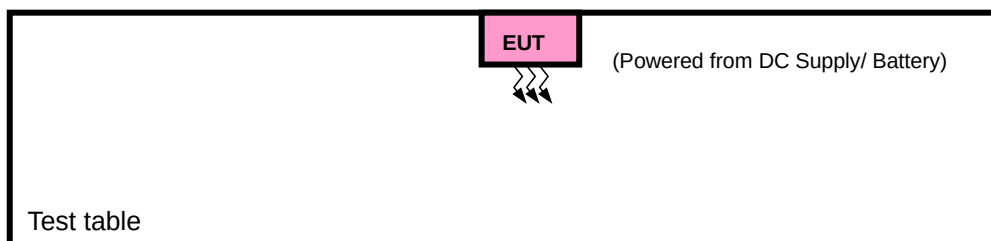
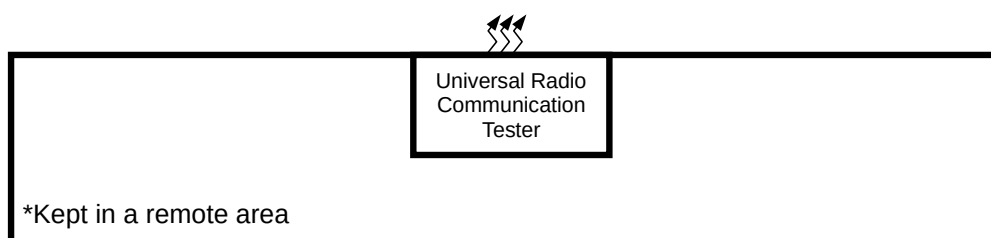
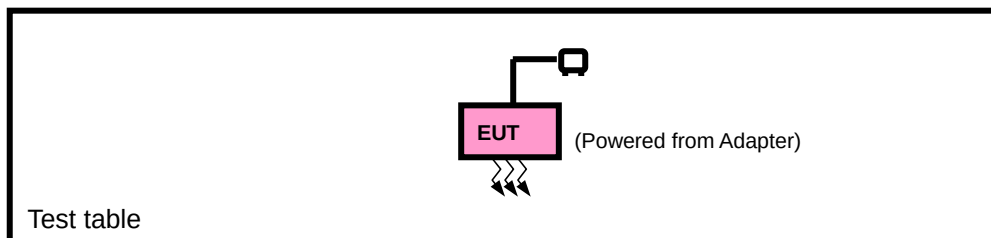
NOTE2:

1. *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
3. The EUT incorporates a SISO function. Physically, the EUT provides eight completed transmitter and eight receiver.

MODULATION MODE	TX FUNCTION
LTE	8TX/8RX

4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
5. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

2.2 CONFIGURATION OF SYSTEM UNDER TEST FOR RADIATION EMISSION



2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC Source	HYELEC	HY3010B	551016	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.0m

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case in ERP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter with LTE link
B	EUT + DC Supply with LTE link



LTE BAND 5 MODE

EUT CONFIGURE MODE	TEST ITEM	Available Channel	Tested Channel	Channel bandwidth	modulation	mode
A	ERP	20407 to 20643	20407, 20525, 20643	1.4MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		20415 to 20635	20415, 20525, 20635	3MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		20425 to 20625	20425, 20525, 20625	5MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		20450 to 20600	20450, 20525, 20600	10MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. LTE Band 5 are covered by LTE Band 26, Because it is a subset of LTE Band 26 with the same output power and supported bandwidths, So the test data please refer to LTE Band 26

LTE BAND 26 MODE

EUT CONFIGURE MODE	TEST ITEM	Available Channel	Tested Channel	Channel bandwidth	modulation	mode
A	ERP	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26805 to 27025	26805, 26915, 27025	3MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26815 to 27015	26815, 26915, 27015	5MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26840 to 26990	26840, 26915, 26990	10MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26865 to 26965	26865, 26915, 26965	15MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	26865 to 26965	26865, 26915, 26965	10MHz	QPSK,16QAM,64QAM,256QAM	75 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK,16QAM,64QAM,256QAM	6 RB / 0 RB Offset
		26805 to 27025	26805, 26915, 27025	3MHz	QPSK,16QAM,64QAM,256QAM	15 RB / 0 RB Offset
		26815 to 27015	26815, 26915, 27015	5MHz	QPSK,16QAM,64QAM,256QAM	25 RB / 0 RB Offset
		26840 to 26990	26840, 26915, 26990	10MHz	QPSK,16QAM,64QAM,256QAM	50 RB / 0 RB Offset
		26865 to 26965	26865, 26915, 26965	15MHz	QPSK,16QAM,64QAM,256QAM	75 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	26865 to 26965	26865, 26915, 26965	15MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
A	BAND EDGE	26797 to 27033	26797	1.4 MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset 6 RB / 0 RB Offset
		26797 to 27033	27033	1.4 MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 5 RB Offset 6 RB / 0 RB Offset
		26805 to 27025	26805	3 MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset 15 RB / 0 RB Offset



		26805 to 27025	27025	3 MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 14 RB Offset
						15 RB / 0 RB Offset
		26815 to 27015	26815	5MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
		26815 to 27015	27015	5MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		26840 to 26990	26840	10MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
A	CONDUCTED EMISSION					50 RB / 0 RB Offset
		26840 to 26990	26990	10MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		26865 to 26965	26865	15MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
		26865 to 26965	26965	15MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
A	RADIATED EMISSION	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26805 to 27025	26805, 26915, 27025	3MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26815 to 27015	26815, 26915, 27015	5MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26840 to 26990	26840, 26915, 26990	10MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
		26865 to 26965	26865, 26915, 26965	15MHz	QPSK,16QAM,64QAM,256QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	26797 to 27033	26915	1.4MHz	QPSK	1 RB / 0 RB Offset
		26805 to 27025	26915	3MHz	QPSK	1 RB / 0 RB Offset
		26815 to 27015	26915	5MHz	QPSK	1 RB / 0 RB Offset
		26840 to 26990	26915	10MHz	QPSK	1 RB / 0 RB Offset
		26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC12V By Adapter	Hanwen Xu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 9V/12V/14V By DC Supply	--
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC12V By Adapter	--
BAND EDGE	23deg. C, 70%RH	DC 12V By Adapter	--
CONDUCTED EMISSION	23deg. C, 70%RH	DC12V By Adapter	--
RADIATED EMISSION	23deg. C, 70%RH	DC12V By Adapter	Hanwen Xu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC12V By Adapter	--

2.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 22

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 7 watts e.r.p.

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_{T} = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

**LTE Band 5
MAX Power**

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
5MHz	QPSK	20525	1RB#0	23.45	23.52	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
10MHz	QPSK	20525	1RB#49	23.41	23.48	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
5MHz	16QAM	20525	1RB#12	22.52	22.59	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
10MHz	16QAM	20525	1RB#49	22.49	22.56	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15



Band5	1.4MHz	QPSK	20407	1RB#0	23.24	23.31	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.08	23.15	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.13	23.20	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.28	22.35	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.33	23.40	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.26	23.33	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.15	23.22	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.29	22.36	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.31	23.38	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.20	23.27	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.20	23.27	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.29	22.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.33	22.40	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.35	22.42	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.37	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.11	21.18	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.37	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.41	22.48	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.34	22.41	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.15	21.22	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.37	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.40	22.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.22	22.29	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.16	21.23	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.45	21.52	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.33	21.40	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.36	21.43	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.32	20.39	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.35	21.42	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.28	21.35	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.40	21.47	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.17	20.24	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.28	21.35	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.19	21.26	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.22	21.29	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.25	20.32	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	18.22	18.29	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	18.40	18.47	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	18.17	18.24	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	18.19	18.26	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	18.09	18.16	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	18.27	18.34	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	18.17	18.24	38.45	PASS



Band5	1.4MHz	256QAM	20525	6RB#0	18.04	18.11	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	18.23	18.30	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	18.19	18.26	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	18.33	18.40	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	18.10	18.17	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.08	23.15	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.13	23.20	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.23	23.30	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.21	22.28	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.27	23.34	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.06	23.13	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.19	23.26	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.14	22.21	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.35	23.42	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.07	23.14	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.10	23.17	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.17	22.24	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.39	22.46	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.28	22.35	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.35	22.42	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.21	21.28	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.39	22.46	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.30	22.37	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.30	22.37	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.23	21.30	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.43	22.50	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.24	22.31	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.39	22.46	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.23	21.30	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.35	21.42	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.16	21.23	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.42	21.49	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.23	20.30	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.38	21.45	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.47	21.54	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.50	21.57	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.36	20.43	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.34	21.41	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.23	21.30	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.47	21.54	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.06	20.13	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	18.31	18.38	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	18.27	18.34	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	18.14	18.21	38.45	PASS



Band5	3MHz	256QAM	20415	15RB#0	18.03	18.10	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	18.33	18.40	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	18.16	18.23	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	18.34	18.41	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	18.22	18.29	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	18.21	18.28	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	18.19	18.26	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	18.08	18.15	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	18.15	18.22	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.25	23.32	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.30	23.37	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.37	23.44	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.34	22.41	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.45	23.52	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.24	23.31	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.27	23.34	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.21	22.28	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.33	23.40	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.23	23.30	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.29	23.36	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.07	22.14	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.39	22.46	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.43	22.50	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.38	22.45	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.19	21.26	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.36	22.43	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.52	22.59	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.33	22.40	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.16	21.23	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.34	22.41	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.22	22.29	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.31	22.38	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.10	21.17	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.58	21.65	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.30	21.37	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.37	21.44	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.18	20.25	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.50	21.57	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.46	21.53	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.52	21.59	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.09	20.16	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.49	21.56	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.51	21.58	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.53	21.60	38.45	PASS



Band5	5MHz	64QAM	20625	25RB#0	20.31	20.38	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	18.34	18.41	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	18.20	18.27	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	18.21	18.28	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	18.20	18.27	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	18.39	18.46	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	18.24	18.31	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	18.36	18.43	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	18.13	18.20	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	18.29	18.36	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	18.02	18.09	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	18.31	18.38	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	18.09	18.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.31	23.38	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.26	23.33	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.20	23.27	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.32	22.39	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.27	23.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.35	23.42	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.41	23.48	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.29	22.36	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.26	23.33	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.33	23.40	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.07	23.14	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.29	22.36	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.34	22.41	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.27	22.34	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.26	22.33	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.17	21.24	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.44	22.51	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.42	22.49	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.49	22.56	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.14	21.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.44	22.51	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.38	22.45	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.22	22.29	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.21	21.28	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.45	21.52	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.46	21.53	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.43	21.50	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.16	20.23	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.45	21.52	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.49	21.56	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.39	21.46	38.45	PASS



Band5	10MHz	64QAM	20525	50RB#0	20.31	20.38	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.37	21.44	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.31	21.38	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.43	21.50	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.12	20.19	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	18.42	18.49	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	18.28	18.35	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	18.41	18.48	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	18.32	18.39	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	18.31	18.38	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	18.30	18.37	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	18.46	18.53	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	18.22	18.29	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	18.18	18.25	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	18.42	18.49	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	18.18	18.25	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	18.17	18.24	38.45	PASS



LTE BAND 26

MAX Power

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
1.4MHz	QPSK	26915	1RB#0	23.83	23.90	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
15MHz	QPSK	26915	1RB#38	23.17	23.24	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
1.4MHz	16QAM	26915	1RB#5	22.32	22.39	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
15MHz	16QAM	26965	1RB#0	22.28	22.35	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15



Band26	1.4MHz	QPSK	26797	1RB#0	22.91	22.98	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	22.95	22.98	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	22.91	23.02	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	21.94	22.98	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.83	22.01	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	22.90	23.90	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	22.88	22.97	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.00	22.95	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.51	22.07	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.03	23.58	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.11	23.10	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.98	23.18	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.09	22.05	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.17	22.16	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	21.95	22.24	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.09	22.02	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.06	21.16	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.31	22.13	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.32	22.38	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.00	22.39	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.01	21.07	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.05	22.08	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.26	22.12	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.00	22.33	38.45	PASS
Band26	1.4MHz	64QAM	26797	1RB#0	21.06	21.07	38.45	PASS
Band26	1.4MHz	64QAM	26797	1RB#2	21.22	21.13	38.45	PASS
Band26	1.4MHz	64QAM	26797	1RB#5	21.16	21.29	38.45	PASS
Band26	1.4MHz	64QAM	26797	6RB#0	20.00	21.23	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#0	21.26	20.07	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#2	21.12	21.33	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#5	21.10	21.19	38.45	PASS
Band26	1.4MHz	64QAM	26915	6RB#0	19.97	21.17	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#0	21.23	20.04	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#2	21.12	21.30	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#5	21.12	21.19	38.45	PASS
Band26	1.4MHz	64QAM	27033	6RB#0	19.94	21.19	38.45	PASS
Band26	1.4MHz	256QAM	26797	1RB#0	17.83	20.01	38.45	PASS
Band26	1.4MHz	256QAM	26797	1RB#2	18.03	17.90	38.45	PASS
Band26	1.4MHz	256QAM	26797	1RB#5	17.86	18.10	38.45	PASS
Band26	1.4MHz	256QAM	26797	6RB#0	17.78	17.93	38.45	PASS
Band26	1.4MHz	256QAM	26915	1RB#0	18.09	17.85	38.45	PASS
Band26	1.4MHz	256QAM	26915	1RB#2	18.21	18.16	38.45	PASS
Band26	1.4MHz	256QAM	26915	1RB#5	18.05	18.28	38.45	PASS



Band26	1.4MHz	256QAM	26915	6RB#0	17.95	18.12	38.45	PASS
Band26	1.4MHz	256QAM	27033	1RB#0	17.91	18.02	38.45	PASS
Band26	1.4MHz	256QAM	27033	1RB#2	17.98	17.98	38.45	PASS
Band26	1.4MHz	256QAM	27033	1RB#5	17.95	18.05	38.45	PASS
Band26	1.4MHz	256QAM	27033	6RB#0	17.81	18.02	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.01	17.88	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	22.95	23.08	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.98	23.02	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	21.99	23.05	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.52	22.06	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.93	23.59	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.90	23.00	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.02	22.97	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.44	22.09	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.99	23.51	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.08	23.06	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.94	23.15	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.15	22.01	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.05	22.22	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.10	22.12	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.89	22.17	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.10	20.96	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.10	22.17	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.99	22.17	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.84	22.06	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.04	20.91	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.01	22.11	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.21	22.08	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.92	22.28	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#0	21.14	20.99	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#8	21.21	21.21	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#14	21.15	21.28	38.45	PASS
Band26	3MHz	64QAM	26805	15RB#0	20.05	21.22	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#0	21.19	20.12	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#8	21.06	21.26	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#14	20.98	21.13	38.45	PASS
Band26	3MHz	64QAM	26915	15RB#0	19.85	21.05	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#0	21.26	19.92	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#8	21.03	21.33	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#14	21.17	21.10	38.45	PASS
Band26	3MHz	64QAM	27025	15RB#0	20.05	21.24	38.45	PASS
Band26	3MHz	256QAM	26805	1RB#0	18.08	20.12	38.45	PASS
Band26	3MHz	256QAM	26805	1RB#8	18.09	18.15	38.45	PASS
Band26	3MHz	256QAM	26805	1RB#14	17.88	18.16	38.45	PASS



Band26	3MHz	256QAM	26805	15RB#0	18.02	17.95	38.45	PASS
Band26	3MHz	256QAM	26915	1RB#0	18.03	18.09	38.45	PASS
Band26	3MHz	256QAM	26915	1RB#8	18.07	18.10	38.45	PASS
Band26	3MHz	256QAM	26915	1RB#14	17.91	18.14	38.45	PASS
Band26	3MHz	256QAM	26915	15RB#0	17.81	17.98	38.45	PASS
Band26	3MHz	256QAM	27025	1RB#0	18.05	17.88	38.45	PASS
Band26	3MHz	256QAM	27025	1RB#8	17.87	18.12	38.45	PASS
Band26	3MHz	256QAM	27025	1RB#14	17.86	17.94	38.45	PASS
Band26	3MHz	256QAM	27025	15RB#0	18.04	17.93	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	22.99	18.11	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.00	23.06	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.00	23.07	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.93	23.07	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.45	22.00	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.06	23.52	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.00	23.13	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.95	23.07	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.16	22.02	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.98	23.23	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.02	23.05	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.96	23.09	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.14	22.03	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.07	22.21	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.20	22.14	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.05	22.27	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.27	21.12	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.24	22.34	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.22	22.31	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	20.97	22.29	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.27	21.04	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.12	22.34	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.13	22.19	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	20.88	22.20	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#0	21.17	20.95	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#12	21.26	21.24	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#24	21.24	21.33	38.45	PASS
Band26	5MHz	64QAM	26815	25RB#0	19.96	21.31	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#0	21.29	20.03	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#12	21.19	21.36	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#24	21.27	21.26	38.45	PASS
Band26	5MHz	64QAM	26915	25RB#0	20.03	21.34	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#0	21.27	20.10	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#12	21.15	21.34	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#24	21.17	21.22	38.45	PASS



Band26	5MHz	64QAM	27015	25RB#0	20.01	21.24	38.45	PASS
Band26	5MHz	256QAM	26815	1RB#0	18.05	20.08	38.45	PASS
Band26	5MHz	256QAM	26815	1RB#12	18.12	18.12	38.45	PASS
Band26	5MHz	256QAM	26815	1RB#24	17.96	18.19	38.45	PASS
Band26	5MHz	256QAM	26815	25RB#0	18.03	18.03	38.45	PASS
Band26	5MHz	256QAM	26915	1RB#0	17.93	18.10	38.45	PASS
Band26	5MHz	256QAM	26915	1RB#12	18.05	18.00	38.45	PASS
Band26	5MHz	256QAM	26915	1RB#24	18.08	18.12	38.45	PASS
Band26	5MHz	256QAM	26915	25RB#0	17.91	18.15	38.45	PASS
Band26	5MHz	256QAM	27015	1RB#0	18.09	17.98	38.45	PASS
Band26	5MHz	256QAM	27015	1RB#12	17.95	18.16	38.45	PASS
Band26	5MHz	256QAM	27015	1RB#24	18.04	18.02	38.45	PASS
Band26	5MHz	256QAM	27015	25RB#0	17.89	18.11	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.07	17.96	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.07	23.14	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.16	23.14	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.05	23.23	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.29	22.12	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.01	23.36	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	22.90	23.08	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	21.92	22.97	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	22.97	21.99	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	22.99	23.04	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	22.95	23.06	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	21.98	23.02	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.31	22.05	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.06	22.38	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.26	22.13	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.04	22.33	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.25	21.11	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.17	22.32	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.10	22.24	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.06	22.17	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	22.25	21.13	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.20	22.32	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.17	22.27	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.00	22.24	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#0	21.26	21.07	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#24	21.31	21.33	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#49	21.19	21.38	38.45	PASS
Band26	10MHz	64QAM	26840	50RB#0	20.15	21.26	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#0	21.26	20.22	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#24	21.11	21.33	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#49	21.06	21.18	38.45	PASS



Band26	10MHz	64QAM	26915	50RB#0	20.12	21.13	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#0	21.26	20.19	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#24	21.07	21.33	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#49	21.17	21.14	38.45	PASS
Band26	10MHz	64QAM	26990	50RB#0	19.90	21.24	38.45	PASS
Band26	10MHz	256QAM	26840	1RB#0	18.16	19.97	38.45	PASS
Band26	10MHz	256QAM	26840	1RB#24	18.06	18.23	38.45	PASS
Band26	10MHz	256QAM	26840	1RB#49	18.19	18.13	38.45	PASS
Band26	10MHz	256QAM	26840	50RB#0	17.94	18.26	38.45	PASS
Band26	10MHz	256QAM	26915	1RB#0	18.09	18.01	38.45	PASS
Band26	10MHz	256QAM	26915	1RB#24	18.16	18.16	38.45	PASS
Band26	10MHz	256QAM	26915	1RB#49	18.01	18.23	38.45	PASS
Band26	10MHz	256QAM	26915	50RB#0	17.94	18.08	38.45	PASS
Band26	10MHz	256QAM	26990	1RB#0	18.00	18.01	38.45	PASS
Band26	10MHz	256QAM	26990	1RB#24	18.09	18.07	38.45	PASS
Band26	10MHz	256QAM	26990	1RB#49	18.04	18.16	38.45	PASS
Band26	10MHz	256QAM	26990	50RB#0	18.07	18.11	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.07	18.14	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.09	23.14	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.86	23.16	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.12	22.93	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	22.93	22.19	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.17	23.00	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.95	23.24	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.94	23.02	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.82	22.01	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.08	22.89	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	23.08	23.15	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.92	23.15	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.20	21.99	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.09	22.27	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.12	22.16	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.03	22.19	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.23	21.10	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.17	22.30	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.23	22.24	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	20.95	22.30	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.28	21.02	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.20	22.35	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.26	22.27	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.01	22.33	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#0	21.09	21.08	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#38	21.34	21.16	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#74	21.18	21.41	38.45	PASS



Band26	15MHz	64QAM	26865	75RB#0	20.09	21.25	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#0	21.07	20.16	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#38	21.21	21.14	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#74	21.12	21.28	38.45	PASS
Band26	15MHz	64QAM	26915	75RB#0	20.13	21.19	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#0	21.19	20.20	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#38	21.18	21.26	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#74	21.17	21.25	38.45	PASS
Band26	15MHz	64QAM	26965	75RB#0	20.00	21.24	38.45	PASS
Band26	15MHz	256QAM	26865	1RB#0	17.90	20.07	38.45	PASS
Band26	15MHz	256QAM	26865	1RB#38	18.17	17.97	38.45	PASS
Band26	15MHz	256QAM	26865	1RB#74	17.94	18.24	38.45	PASS
Band26	15MHz	256QAM	26865	75RB#0	18.02	18.01	38.45	PASS
Band26	15MHz	256QAM	26915	1RB#0	18.12	18.09	38.45	PASS
Band26	15MHz	256QAM	26915	1RB#38	18.00	18.19	38.45	PASS
Band26	15MHz	256QAM	26915	1RB#74	18.00	18.07	38.45	PASS
Band26	15MHz	256QAM	26915	75RB#0	17.84	18.07	38.45	PASS
Band26	15MHz	256QAM	26965	1RB#0	18.14	17.91	38.45	PASS
Band26	15MHz	256QAM	26965	1RB#38	18.07	18.21	38.45	PASS
Band26	15MHz	256QAM	26965	1RB#74	18.05	18.14	38.45	PASS
Band26	15MHz	256QAM	26965	75RB#0	17.92	18.12	38.45	PASS

LTE Band CA_5B

MAX Power

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
1.4MHz	QPSK	26915	1RB#0	23.83	23.9	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
15MHz	QPSK	26915	1RB#38	23.17	23.24	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
1.4MHz	16QAM	26915	1RB#5	22.32	22.39	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)
15MHz	16QAM	26965	1RB#0	22.28	22.35	38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15



5-5	5MHz-3MHz	64QAM-64QAM	20425-20464	1RB#0-0RB#0	23.19	23.26	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20425-20464	25RB#0-15RB#0	23.12	23.19	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20510-20549	1RB#0-0RB#0	23.29	23.36	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20510-20549	25RB#0-15RB#0	22.99	23.06	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20595-20634	1RB#0-0RB#0	23.16	23.23	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20595-20634	25RB#0-15RB#0	23.00	23.07	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20425-20464	1RB#0-0RB#0	23.08	23.15	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20425-20464	25RB#0-15RB#0	23.06	23.13	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20510-20549	1RB#0-0RB#0	22.99	23.06	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20510-20549	25RB#0-15RB#0	23.01	23.08	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20595-20634	1RB#0-0RB#0	23.12	23.19	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20595-20634	25RB#0-15RB#0	23.07	23.14	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#0-0RB#0	21.07	21.14	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	19.86	19.93	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#0-0RB#0	17.82	17.89	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	17.89	17.96	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#0-0RB#0	17.88	17.95	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	17.90	17.97	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#0-0RB#0	17.98	18.05	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	18.00	18.07	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	22.63	22.70	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-	50RB#0-25RB#0	21.07	21.14	38.45	PASS



			20522					
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	22.62	22.69	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	21.02	21.09	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	22.82	22.89	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	21.00	21.07	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	22.04	22.11	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	19.95	20.02	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	21.99	22.06	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	19.91	19.98	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	22.14	22.21	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	20.03	20.10	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#0-0RB#0	21.14	21.21	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	20.15	20.22	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#0-0RB#0	21.10	21.17	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	19.96	20.03	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#0-0RB#0	21.11	21.18	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	20.14	20.21	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#0-0RB#0	18.04	18.11	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	17.99	18.06	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#0-0RB#0	17.93	18.00	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	17.94	18.01	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#0-0RB#0	17.95	18.02	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-	50RB#0-25RB#0	17.94	18.01	38.45	PASS



			20622					
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	23.09	23.16	38.45	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-0RB#0	22.93	23.00	38.45	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	23.07	23.14	38.45	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-0RB#0	23.07	23.14	38.45	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	23.10	23.17	38.45	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-0RB#0	23.01	23.08	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	23.05	23.12	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-0RB#0	23.40	23.47	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	23.09	23.16	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-0RB#0	23.34	23.41	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	23.22	23.29	38.45	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-0RB#0	23.34	23.41	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20416-20455	15RB#0-25RB#0	23.04	23.11	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20416-20455	1RB#0-0RB#0	23.45	23.52	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20501-20540	15RB#0-25RB#0	23.11	23.18	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20501-20540	1RB#0-0RB#0	23.47	23.54	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20586-20625	15RB#0-25RB#0	23.20	23.27	38.45	PASS
5-5	3MHz-5MHz	64QAM-64QAM	20586-20625	1RB#0-0RB#0	23.33	23.40	38.45	PASS
5-5	3MHz-5MHz	256QAM-256QAM	20416-20455	15RB#0-25RB#0	23.01	23.08	38.45	PASS
5-5	3MHz-5MHz	256QAM-256QAM	20416-20455	1RB#0-0RB#0	23.18	23.25	38.45	PASS
5-5	3MHz-5MHz	256QAM-256QAM	20501-20540	15RB#0-25RB#0	23.09	23.16	38.45	PASS
5-5	3MHz-5MHz	256QAM-256QAM	20501-	1RB#0-0RB#0	23.23	23.30	38.45	PASS



			20540					
5-5	3MHz-5MHz	256QAM-256QAM	20586-20625	15RB#0-25RB#0	23.14	23.21	38.45	PASS
5-5	3MHz-5MHz	256QAM-256QAM	20586-20625	1RB#0-0RB#0	23.41	23.48	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	22.71	22.78	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	20.91	20.98	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	22.64	22.71	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	20.86	20.93	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	22.75	22.82	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	21.03	21.10	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	21.97	22.04	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	19.94	20.01	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	21.94	22.01	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	20.02	20.09	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	21.95	22.02	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	19.88	19.95	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#0-0RB#0	21.11	21.18	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	19.91	19.98	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#0-0RB#0	20.77	20.84	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	19.84	19.91	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#0-0RB#0	21.12	21.19	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	19.98	20.05	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#0-0RB#0	17.90	17.97	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-	25RB#0-50RB#0	18.03	18.10	38.45	PASS



			20500					
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#0-0RB#0	17.88	17.95	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	17.88	17.95	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#0-0RB#0	18.08	18.15	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	17.94	18.01	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-0RB#0	22.80	22.87	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	23.15	23.22	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-0RB#0	22.78	22.85	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	23.10	23.17	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-0RB#0	22.88	22.95	38.45	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	23.14	23.21	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-0RB#0	22.97	23.04	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	23.06	23.13	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-0RB#0	22.98	23.05	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	22.90	22.97	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-0RB#0	23.05	23.12	38.45	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	23.05	23.12	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20425-20464	1RB#0-0RB#0	23.19	23.26	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20425-20464	25RB#0-15RB#0	23.12	23.19	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20510-20549	1RB#0-0RB#0	23.29	23.36	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20510-20549	25RB#0-15RB#0	22.99	23.06	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20595-20634	1RB#0-0RB#0	23.16	23.23	38.45	PASS
5-5	5MHz-3MHz	64QAM-64QAM	20595-	25RB#0-15RB#0	23.00	23.07	38.45	PASS



			20634					
5-5	5MHz-3MHz	256QAM-256QAM	20425-20464	1RB#0-0RB#0	23.08	23.15	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20425-20464	25RB#0-15RB#0	23.06	23.13	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20510-20549	1RB#0-0RB#0	22.99	23.06	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20510-20549	25RB#0-15RB#0	23.01	23.08	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20595-20634	1RB#0-0RB#0	23.12	23.19	38.45	PASS
5-5	5MHz-3MHz	256QAM-256QAM	20595-20634	25RB#0-15RB#0	23.07	23.14	38.45	PASS

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

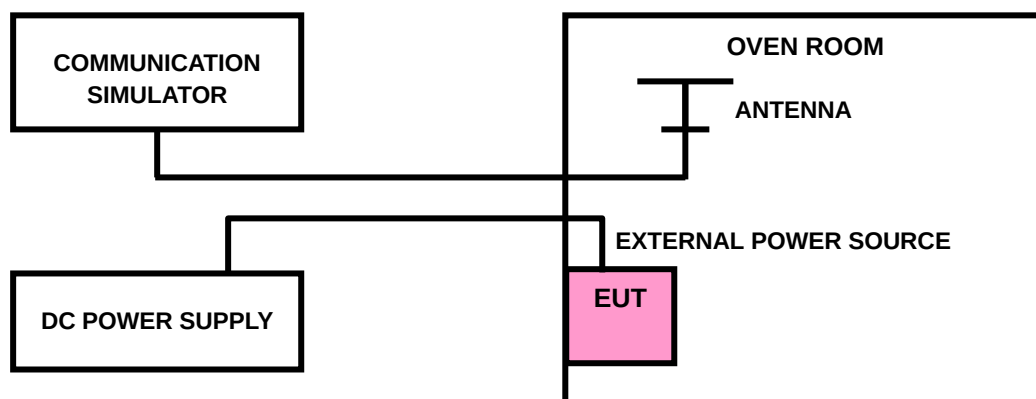
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

3.2.2 TEST PROCEDURE

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

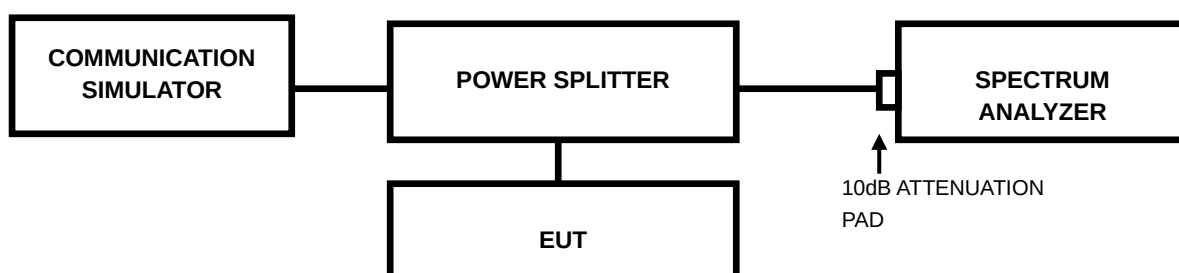
Please Refer to module RG620T-NA report.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

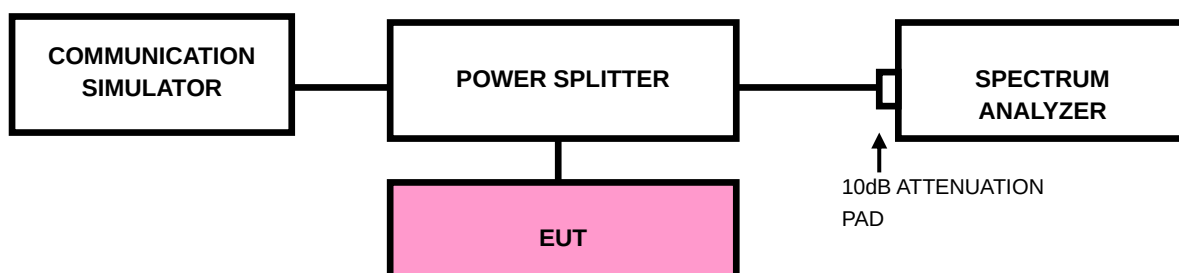
Please Refer to module RG620T-NA report.

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

- a) All measurements were done at low and high operational frequency range
- b) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- c) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW)
- d) .Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- e) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- f) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- g) Select the average power (RMS) display detector.
- h) Set the number of measurement points to ≥ 1001 .
- i) Use auto-coupled sweep time.
- j) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- k) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- l) Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to module RG620T-NA report.

3.5 CONDUCTED SPURIOUS EMISSIONS

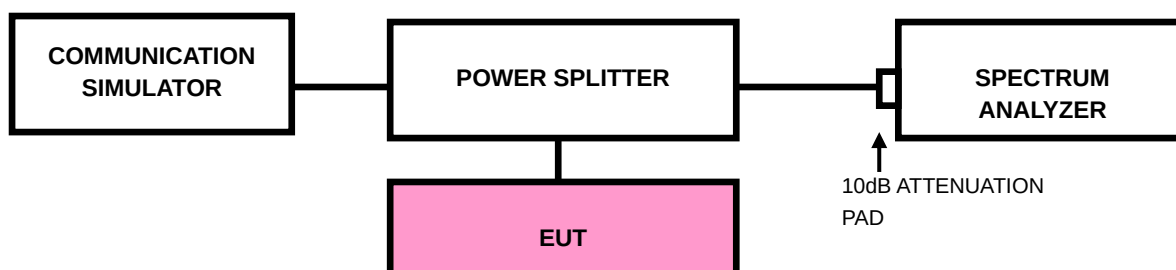
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.5.2 TEST PROCEDURE

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to module RG620T-NA report.



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}.$

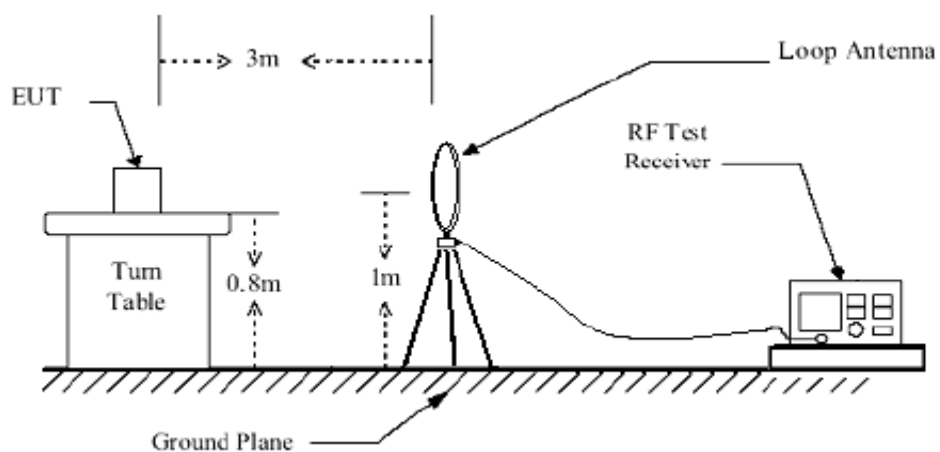
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 DEVIATION FROM TEST STANDARD

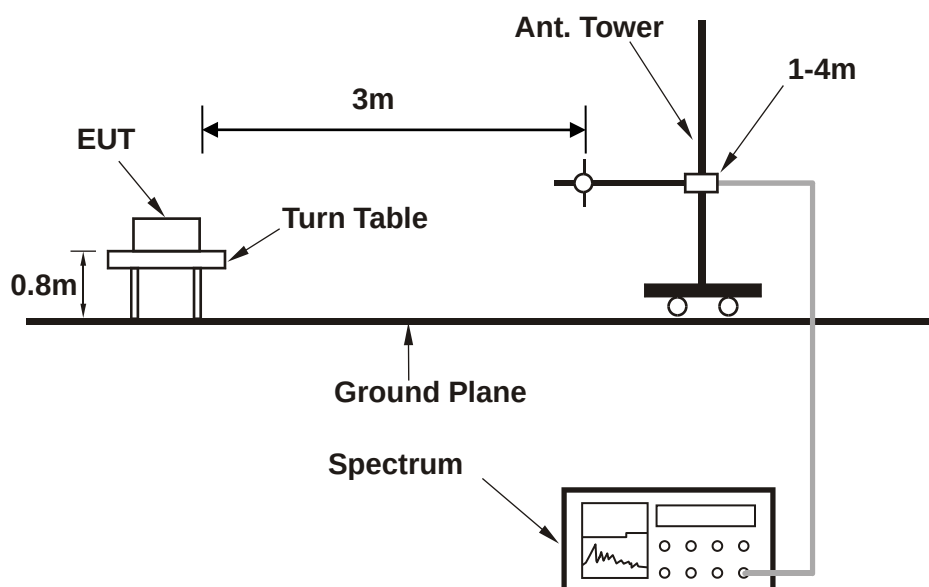
No deviation

3.6.4 TEST SETUP

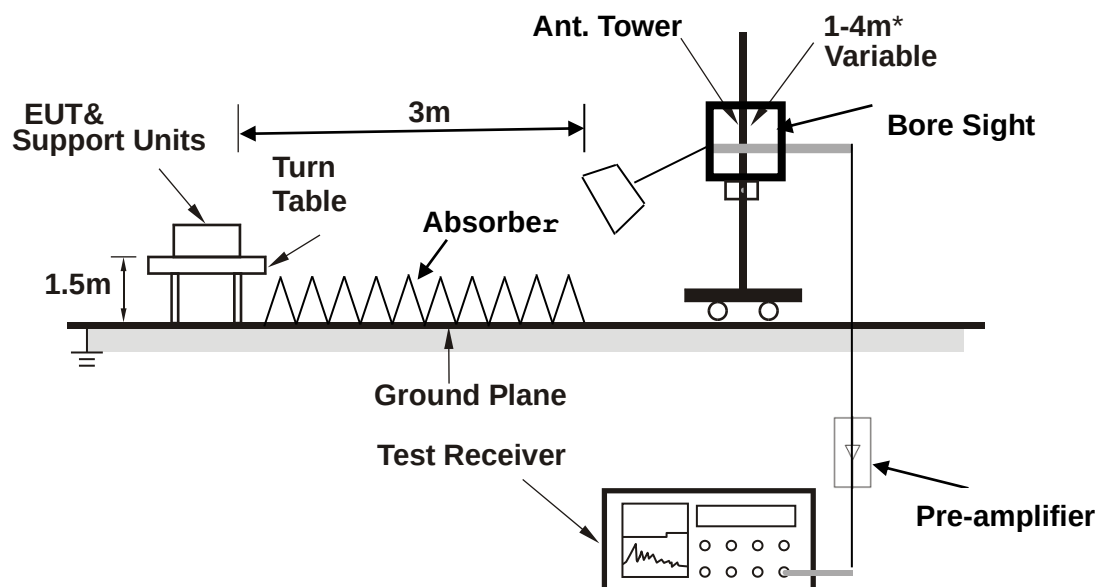
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6.5 TEST RESULTS

NOTE1: The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

NOTE2: The measurement range is 30M to the tenth harmonic of the highest fundamental frequency, For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report

LTE band 5

Test result:

ANT0 Channel : 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1177.80	-80.53	-30	PV
1512.40	-76.97	-30	PV
2413.11	-72.63	-30	PV
3111.00	-82.67	-30	PV
3321.00	-83.02	-30	PV
3576.00	-80.81	-30	PV

LTE band 26

Test result

ANT0 Channel : 26865

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1492.80	-76.75	-30	PV
1961.80	-81.01	-30	PV
2403.67	-78.29	-30	PV
3123.00	-82.87	-30	PV
3579.00	-80.94	-30	PV
4683.00	-87.55	-30	PV



LTE band CA_5B

Test result

ANT0 Channel : 20525

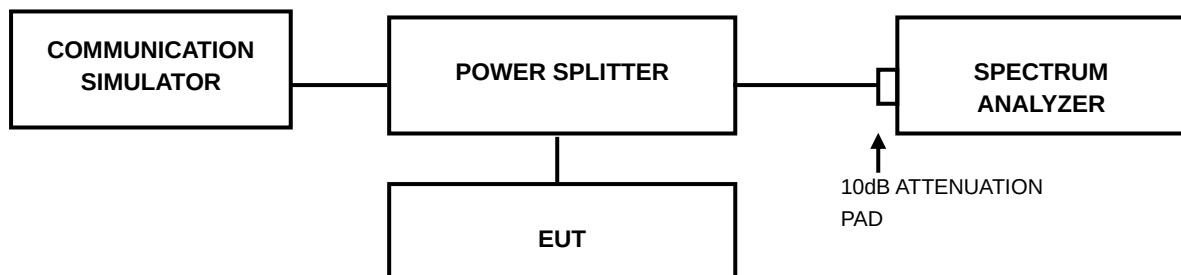
Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1153.00	-79.58	-13.00	Vertical
1502.20	-75.33	-13.00	Vertical
2471.39	-69.33	-13.00	Vertical
3071.00	-82.45	-13.00	Vertical
3584.00	-80.05	-13.00	Vertical
4658.00	-88.72	-13.00	Vertical

3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to module RG620T-NA report.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:

Tel: +86 (0557) 368 1008

6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

7 APPENDIX

Please Refer to module RG620T-NA report.

---END---