

FCC TEST REPORT

(PART 27)

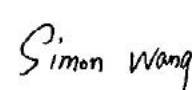
Applicant:	Juniper Systems, Inc.
Address:	1132 W 1700 N Logan, UT 84321 USA

Manufacturer or Supplier:	Juniper Systems, Inc.
Address:	1132 W 1700 N Logan, UT 84321 USA
Product:	ALTA
Brand Name:	Juniper Systems
Model Name:	ALT1 / FC-8000 / SHC8000
FCC ID	VSFALT1
Date of tests	Dec. 30, 2025 - Jul. 10, 2026

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

- | | |
|---|---|
| ☒ FCC Part 27 | ☒ ANSI/TIA/EIA-603-E |
| ☒ ANSI/TIA/EIA-603-D | ☒ ANSI C63.26-2015 |
| ☒ FCC Part 2 | |

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
	
Date: Jul. 10, 2026	Date: Jul. 10, 2026

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.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260714B009	Original release	Jul. 10, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	TEST LAB*
§2.1046	Conducted Output Power	Compliance	A
§27.50(d)(4) §27.50(k)(3) §27.50(h)(2)	Equivalent Isotropically Radiated Power (Band 4) (Band 38) (Band 41) (Band 42) (Band 66) (Band 106)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(h) §27.53(n)(2) §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 4) (Band 38) (Band 41) (Band 42) (Band 66) (Band 106)	Compliance	A
§2.1051 §27.53(h) §27.53(n)(2) §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 42) (Band 66) (Band 106)	Compliance	A
§2.1053 §27.53(h) §27.53(n)(2) §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 42) (Band 66) (Band 106)	Compliance	A
§27.50(d)(5) §27.50(k)(4)	Peak to average ratio	Compliance	A

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

*Test Lab Information Reference

Lab A:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

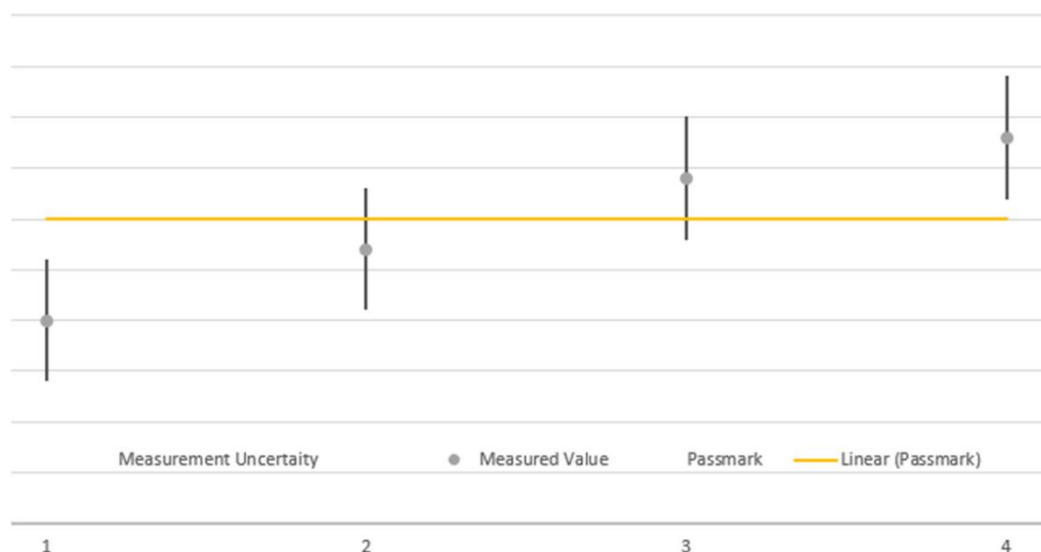
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (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	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$

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.

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1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2025/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2025/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2027/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2025/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2025/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2025/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2025/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2025/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2025/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2025/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2025/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2025/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2025/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2027/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2025/6/30	2027/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2025/6/30	2027/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2025/6/16	2027/6/15
DC Power Supply	AGILENT	HMP2020	100598	2025/7/1	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2025/6/30	2027/6/29
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2027/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2027/6/29
5G Wireless Test Platform	StarPoint	SP9500-20388	SP9500-20698	2025/1/17	2027/1/16

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

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RF Control Unit	Tonscend	JS0806-1	23K80610751	2025/1/16	2027/1/15
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110626	2025/7/1	2027/6/30

NOTE:

1. The calibration interval of the above test instruments is 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/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 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	ALTA	
BRAND NAME	Juniper Systems	
MODEL NAME	ALT1 / FC-8000 / SHC8000	
NOMINAL VOLTAGE	3.7Vdc	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM, 64QAM, 256QAM
FREQUENCY RANGE	LTE Band 4 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1754.3MHz
	LTE Band 4 Channel Bandwidth: 3MHz	1711.5MHz ~ 1753.5MHz
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~ 1752.5MHz
	LTE Band 4 Channel Bandwidth: 10MHz	1715MHz ~ 1750MHz
	LTE Band 4 Channel Bandwidth: 15MHz	1717.5MHz ~ 1747.5 MHz
	LTE Band 4 Channel Bandwidth: 20MHz	1720MHz ~ 1745MHz
	LTE Band 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	LTE Band 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
	LTE Band 42 Channel Bandwidth: 5MHz	3452.5 MHz ~ 3547.5MHz
	LTE Band 42 Channel Bandwidth: 10MHz	3455MHz ~ 3545MHz
	LTE Band 42 Channel Bandwidth: 15MHz	3457.5MHz ~ 3542.5MHz
	LTE Band 42 Channel Bandwidth: 20MHz	3460MHz ~ 3540MHz
	LTE Band 66 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1779.3MHz

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	LTE Band 66 Channel Bandwidth: 3MHz	1711.5MHz ~ 1778.5MHz
	LTE Band 66 Channel Bandwidth: 5MHz	1712.5MHz ~ 1777.5MHz
	LTE Band 66 Channel Bandwidth: 10MHz	1715MHz ~ 1775MHz
	LTE Band 66 Channel Bandwidth: 15MHz	1717.5MHz ~ 1772.5MHz
	LTE Band 66 Channel Bandwidth: 20MHz	1720MHz ~ 1770MHz
	LTE Band 106 Channel Bandwidth: 1.4MHz	896.7MHz ~ 900.3MHz
	LTE Band 106 Channel Bandwidth: 3MHz	899MHz

	LTE CA	UL&DL: CA_12A-30A-66A CA_12A-66A CA_12A-66A-66A CA_12A-66C CA_13A-66A CA_13A-66A-66A CA_14A-30A-66A CA_14A-30A-66A-66A CA_14A-66A CA_14A-66A-66A CA_28A-41A CA_28A-41C CA_2A-12A-66A CA_2A-12A-66A-66A CA_2A-12A-66C CA_2A-13A-66A CA_2A-13A-66A-66A CA_2A-14A-66A CA_2A-14A-66A-66A CA_2A-30A-66A CA_2A-30A-66A-66A CA_2A-4A CA_2A-4A-4A CA_2A-5A-66A CA_2A-5A-66A-66A CA_2A-5B-66A CA_2A-66A CA_2A-66A-66A CA_2A-66A-66A-66A CA_2A-66C CA_2A-7A-66A CA_2C-66A CA_2C-66A-66A CA_30A-66A CA_30A-66A-66A CA_5A-30A-66A CA_5A-66A CA_5A-66A-66A CA_5B-30A-66A CA_5B-66A CA_5B-66A-66A CA_7A-66A DL Only: CA_13A-48A-66A CA_13A-48C-66A CA_25A-41A CA_26A-41A
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		CA_26A-41C
		CA_29A-30A-66A
		CA_29A-66A
		CA_29A-66A-66A
		CA_2A-29A-66A
		CA_2A-2A-12A-66A
		CA_2A-2A-13A-66A
		CA_2A-2A-14A-66A
		CA_2A-2A-4A
		CA_2A-2A-4A-4A
		CA_2A-2A-5A-66A
		CA_2A-2A-66A
		CA_2A-2A-66A-66A
		CA_2A-2A-66C
		CA_2A-2A-7A-66A
		CA_2A-48A-66A
		CA_2A-48C-66A
		CA_38C
		CA_41A-41A
		CA_41A-41C
		CA_41C
		CA_41D
		CA_48A-48A-66A
		CA_48A-66A
		CA_48A-66A-66A
		CA_48C-66A
		CA_48C-66A-66A
		CA_48D-66A
		CA_4A-4A
		CA_5A-48A-66A
		CA_5A-48C-66A
		CA_5A-5A-66A
		CA_66A-66A
		CA_66A-66A-66A
		CA_66A-66C
		CA_66B
		CA_66C
MAX. EIRP POWER	LTE Band 4 Channel Bandwidth: 1.4MHz	272.90 mW
	LTE Band 4 Channel Bandwidth: 3MHz	273.53 mW
	LTE Band 4 Channel Bandwidth: 5MHz	272.27 mW
	LTE Band 4 Channel Bandwidth: 10MHz	274.79 mW
	LTE Band 4 Channel Bandwidth: 15MHz	273.53 mW
	LTE Band 4 Channel Bandwidth: 20MHz	276.06 mW
	LTE Band 38 Channel Bandwidth: 5MHz	260.62 mW

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	LTE Band 38 Channel Bandwidth: 10MHz	265.46 mW
	LTE Band 38 Channel Bandwidth: 15MHz	266.07 mW
	LTE Band 38 Channel Bandwidth: 20MHz	269.77 mW
	LTE Band 41 Channel Bandwidth: 5MHz	206.54 mW
	LTE Band 41 Channel Bandwidth: 10MHz	206.54 mW
	LTE Band 41 Channel Bandwidth: 15MHz	207.97 mW
	LTE Band 41 Channel Bandwidth: 20MHz	209.41 mW
	LTE Band 42 Channel Bandwidth: 5MHz	305.49 mW
	LTE Band 42 Channel Bandwidth: 10MHz	303.39 mW
	LTE Band 42 Channel Bandwidth: 15MHz	301.30 mW
	LTE Band 42 Channel Bandwidth: 20MHz	307.61 mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	286.42 mW
	LTE Band 66 Channel Bandwidth: 3MHz	285.76 mW
	LTE Band 66 Channel Bandwidth: 5MHz	289.07 mW
	LTE Band 66 Channel Bandwidth: 10MHz	287.74 mW
	LTE Band 66 Channel Bandwidth: 15MHz	289.73 mW
	LTE Band 66 Channel Bandwidth: 20MHz	293.76 mW
	LTE Band 106 Channel Bandwidth: 1.4MHz	139.96 mW
	LTE Band 106 Channel Bandwidth: 3MHz	143.55 mW
EMISSION DESIGNATOR	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M51G7D
		16QAM: 4M50W7D
		64QAM: 4M50W7D
		256QAM: 4M49W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 9M00G7D
		16QAM: 8M99W7D
		64QAM: 8M98W7D
		256QAM: 8M97W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D

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		256QAM: 13M5W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
		64QAM: 18M0W7D
		256QAM: 17M9W7D
	LTE Band 42 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M49W7D
		64QAM: 4M49W7D
		256QAM: 4M50W7D
	LTE Band 42 Channel Bandwidth: 10MHz	QPSK: 8M99G7D
		16QAM: 8M99W7D
		64QAM: 8M97W7D
		256QAM: 8M97W7D
	LTE Band 42 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	LTE Band 42 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
		256QAM: 17M9W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M10W7D
		64QAM: 1M10W7D
		256QAM: 1M09W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M71G7D
		16QAM: 2M71W7D
		64QAM: 2M71W7D
		256QAM: 2M70W7D
	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M51W7D
		64QAM: 4M51W7D
		256QAM: 4M50W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 9M02G7D
		16QAM: 9M00W7D
		64QAM: 9M00W7D
		256QAM: 9M00W7D
	LTE Band 66	QPSK: 13M5G7D

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	Channel Bandwidth: 15MHz	16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
		64QAM: 18M0W7D
	LTE Band 106 Channel Bandwidth: 1.4MHz	256QAM: 18M0W7D
		QPSK: 1M11G7D
		16QAM: 1M11W7D
	LTE Band 106 Channel Bandwidth: 3MHz	64QAM: 1M12W7D
		QPSK: 2M69G7D
		16QAM: 2M69W7D
		64QAM: 2M69W7D
ANTENNA GAIN	☒ Provided by client	
	LTE B4	ANT0:-0.56dBi ANT2:-5.01dBi
	LTE B38	ANT0:-0.44dBi ANT1:0.79dBi
	LTE B41	ANT0:-0.44dBi ANT1:1.94dBi
	LTE B42	ANT0:-4.38dBi ANT1:-0.9dBi
	LTE B66	ANT0:-0.56dBi ANT2:-4.48dBi
	LTE B106	ANT0: -2.86dBi ANT2:-3.54dBi
ANTENNA TYPE	Fixed Internal Antenna	
HW VERSION	DVT2	
SW VERSION	JP_W.00.00.0128.T1_USERDEBUG	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-29℃ to 63℃	
EXTREME VOLTAGE	3.4V to 4.2V	

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

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2. The EUT incorporates a SISO function. Physically, the EUT provides two completed transmitter and two receivers.

MODULATION MODE	TX FUNCTION
LTE	2TX/2RX

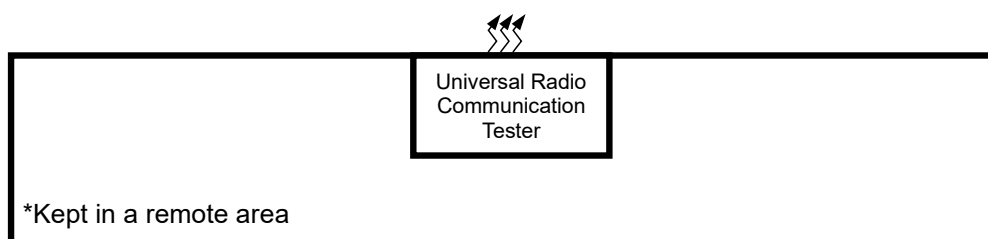
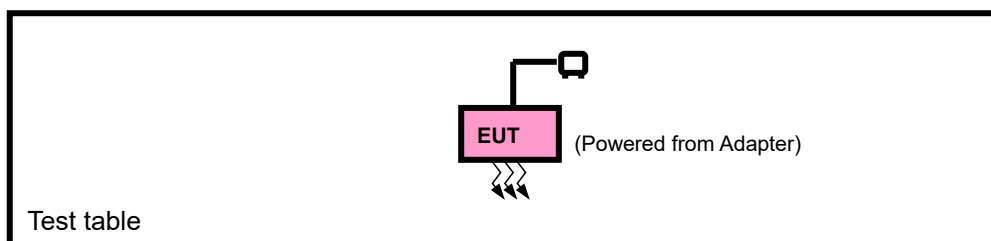
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

4. List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Battery 1	NA	Fullymax Battery Co., Ltd.	FBC442760	3.7Vdc, 700mAh
Battery 2	NA	Fullymax Battery Co., Ltd.	FBC6570106	3.8Vdc, 5700mAh
Battery 3	NA	Fullymax Battery Co., Ltd.	FBC8570106	3.7Vdc, 15000mAh
AC Adapter 1	Juniper	SHENZHEN MERRYKING ELECTRONICS CO.,LTD.	MK-P301EXC	I/P: 100-240Vac, 800mA, O/P: 12Vdc,2500mA
USB Cable 1	CONSHARE	CONSHARE	80.10.320002	1.0 meter

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





Universal Radio
Communication
Tester

*Kept in a remote area

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	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA

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 was found when positioned on Y-plane for EIRP and X-axis for radiated emission. 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 4 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	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 4 are covered by LTE Band 66, Because it is a subset of LTE Band 66 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 66

LTE BAND 38 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37850 to 38150	37850, 38000, 38150	20MHz	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 38 are covered by LTE Band 41, Because it is a subset of LTE Band 41 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 41

LTE BAND 41 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	39750 to 41490	39750, 41490	20MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM,256QAM	25 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK, 16QAM, 64QAM,256QAM	50 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM,256QAM	75 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	39675 to 41565	39675	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			41565	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
		39675 to 41565	39675	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			41565	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset

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		39700 to 41540	39700	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
			41540	10MHz	QPSK, 16QAM, 64QAM,256QAM	50 RB / 0 RB Offset
		39725 to 41515	39725	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 49 RB Offset
			41515	15MHz	QPSK, 16QAM, 64QAM,256QAM	50 RB / 0 RB Offset
		39750 to 41490	39725	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
			41515	15MHz	QPSK, 16QAM, 64QAM,256QAM	75 RB / 0 RB Offset
			39750	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 74 RB Offset
			41490	20MHz	QPSK, 16QAM, 64QAM,256QAM	75 RB / 0 RB Offset
A	CONDCUETED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	40620	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	40620	20MHz	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.

LTE band 42						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	42115 to 43065	42115,42590,43065	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		42140 to 43040	42140,42590,43040	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		42165 to 43015	42165,42590,43015	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		42190 to 42990	42190,42590,42990	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset

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B	FREQUENCY STABILITY	42190 to 42990	42190,42590,42990	20MHz	QPSK	100 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	42115 to 43065	42115,42590,43065	5MHz	QPSK, 16QAM, 64QAM,256QAM	25 RB / 0 RB Offset
		42140 to 43040	42140,42590,43040	10MHz	QPSK, 16QAM, 64QAM,256QAM	50 RB / 0 RB Offset
		42165 to 43015	42165,42590,43015	15MHz	QPSK, 16QAM, 64QAM,256QAM	75 RB / 0 RB Offset
		42190 to 42990	42190,42590,42990	20MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	42115 to 43065	42115,42590,43065	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		42140 to 43040	42140,42590,43040	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		42165 to 43015	42165,42590,43015	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		42190 to 42990	42190,42590,42990	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	42115 to 43065	42115	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			43065	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
		42140 to 43040	42140	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
			43040	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 49 RB Offset 50 RB / 0 RB Offset
		42165 to 43015	42165	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
			43015	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 74 RB Offset 75 RB / 0 RB Offset
		42190 to 42990	42190	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
			42990	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 99 RB Offset 100 RB / 0 RB Offset
		42115 to 43065	42115,42590,43065	5MHz	QPSK	1 RB / 0 RB Offset
			42115,42590,43065	5MHz	QPSK	1 RB / 0 RB Offset
		42115 to 43065	42115,42590,43065	5MHz	QPSK	1 RB / 0 RB Offset
			42115,42590,43065	5MHz	QPSK	1 RB / 0 RB Offset
A	CONDCUDED EMISSION	42115 to 43065	42115,42590,43065	5MHz	QPSK	1 RB / 0 RB Offset

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		42140 to 43040	42140,42590,43040	10MHz	QPSK	1 RB / 0RB Offset
		42165 to 43015	42165,42590,43015	15MHz	QPSK	1 RB / 0 RB Offset
		42190 to 42990	42190,42590,42990	20MHz	QPSK	1 RB / 0 RB Offset
		42115 to 43065	42590	5MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	42140 to 43040	42140,42590,43040	10MHz	QPSK	1 RB / 0RB Offset
		42165 to 43015	42590	15MHz	QPSK	1 RB / 0 RB Offset
		42190 to 42990	42590	20MHz	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.

LTE BAND 66 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	132072 to 132572	132072,132572	20MHz	QPSK	100 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	6 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM,256QAM	15 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM,256QAM	25 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM,256QAM	50 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM,256QAM	75 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset
A	BAND EDGE	131979 to 132322	131979	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						6 RB / 0 RB Offset
		132322	132322	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 5 RB Offset
						6 RB / 0 RB Offset
		131987 to 132657	131987	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						15 RB / 0 RB Offset
		132657	132657	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 14 RB Offset
						15 RB / 0 RB Offset

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		131997 to 132647	131997	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
		132022 to 132622	132647	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		132047 to 132597	132022	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
		132072 to 132572	132622	10MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		131979 to 132665	132047	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
		131987 to 132657	132597	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
A	CONDCUDED EMISSION	132072 to 132572	132072	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
		131979 to 132665	132572	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
		131979 to 132665	131979,132322,132665	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	131997 to 132647	131997,132322,132647	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK	1 RB / 0 RB Offset
		131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM,256QAM	100 RB / 0 RB Offset

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		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	132322	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	132322	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132322	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132322	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	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.

LTE BAND 106 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	134299 to 134335	134299,132322,134335	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
		134322	132322	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	134299 to 134335	134299,134335	1.4MHz	QPSK	100 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	134299 to 134335	134299,132322,134335	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	6 RB / 0 RB Offset
		134322	132322	3MHz	QPSK, 16QAM, 64QAM,256QAM	15 RB / 0 RB Offset
A	BAND EDGE	134299 to 134335	134299	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						6 RB / 0 RB Offset
		134335	134335	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 5 RB Offset
						6 RB / 0 RB Offset
		134322	132322	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset
						15 RB / 0 RB Offset
A	CONDCUDED EMISSION	134299 to 134335	134299,132322,134335	1.4MHz	QPSK	1 RB / 0 RB Offset
		134322	132322	3MHz	QPSK	1 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	134299 to 134335	134299,132322,134335	1.4MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
		134322	132322	3MHz	QPSK, 16QAM, 64QAM,256QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	RADIATED EMISSION	134299 to 134335	134299,132322,134335	1.4MHz	QPSK	1 RB / 0 RB Offset
		134322	132322	3MHz	QPSK	1 RB / 0 RB Offset

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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
EIRP	23deg. C, 70%RH	DC 3.7V By Battery	Carl Xie
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.4/3.7/4.2V By DC Supply	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
BAND EDGE	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
CONDCUDED EMISSION	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu
RADIATED EMISSION	23deg. C, 70%RH	DC 3.7V By Battery	Carl Xie
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.7V By Battery	Alan Yu

2.5 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 27

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

The radiated average output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.”

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to the specific rule Part 27.50 (k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP, Mobile devices operating inl these bands must employ a means for limiting power to the minimum necessary for successful communications

3.1.2 TEST PROCEDURES

EIRP 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 determing 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);

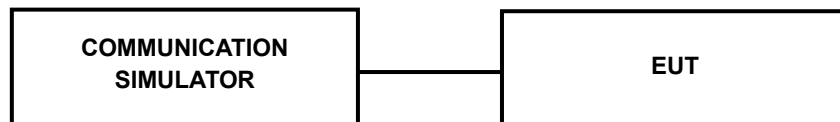
L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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

CONDUCTED POWER MEASUREMENT:



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

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3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

LTE Band 4 (Ant0)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20	QPSK	1	0	24.97	24.96	24.84
		1	50	24.95	24.93	24.83
		1	99	24.90	24.95	24.77
		50	0	24.01	23.97	23.91
		50	25	23.97	23.95	23.78
		50	50	23.95	23.92	23.84
		100	0	24.00	23.99	23.97
	16QAM	1	0	23.92	23.94	23.96
		1	50	24.00	23.97	23.98
		1	99	24.16	24.18	23.94
		50	0	22.87	23.04	23.02
		50	25	23.02	23.06	23.00
		50	50	23.07	23.12	23.03
		100	0	22.98	23.03	22.99
	64QAM	1	0	23.02	23.11	23.37
		1	50	23.04	23.26	23.02
		1	99	23.25	23.34	23.31
		50	0	21.87	21.97	21.98
		50	25	22.00	22.09	22.01
		50	50	21.97	22.10	22.12
		100	0	21.96	21.99	21.98
	256QAM	1	0	20.03	19.94	20.37
		1	50	19.91	20.04	20.16
		1	99	20.12	20.24	20.07
		50	0	19.87	19.94	20.02
		50	25	20.00	20.00	19.98
		50	50	20.08	20.04	20.07
		100	0	20.01	20.01	19.91
BW [MHz]	Modulation	Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15	QPSK	1	0	24.85	24.91	24.74
		1	37	24.93	24.86	24.73
		1	74	24.77	24.88	24.66
		36	0	23.93	23.83	23.82
		36	19	23.88	23.83	23.68
		36	39	23.83	23.77	23.75
		75	0	23.97	23.94	23.94

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	16QAM	1	0	23.90	23.93	23.83
		1	37	23.90	23.90	23.97
		1	74	24.15	24.05	23.89
		36	0	22.82	22.90	22.97
		36	19	22.90	22.97	22.97
		36	39	22.96	23.08	22.91
		75	0	22.95	22.95	22.91
	64QAM	1	0	22.87	23.09	23.26
		1	37	22.89	23.15	22.92
		1	74	23.21	23.33	23.19
		36	0	21.75	21.85	21.90
		36	19	21.91	22.04	21.87
		36	39	21.85	22.04	22.06
		75	0	21.91	21.95	21.96
	256QAM	1	0	19.93	19.80	20.22
		1	37	19.88	19.91	20.08
		1	74	20.07	20.12	19.98
		36	0	19.81	19.84	19.94
		36	19	19.88	19.88	19.85
		36	39	20.03	19.97	19.95
		75	0	19.93	19.90	19.87
BW [MHz]	Modulation	Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10	QPSK	1	0	24.95	24.83	24.75
		1	24	24.91	24.89	24.73
		1	49	24.81	24.89	24.76
		25	0	23.87	23.93	23.79
		25	12	23.85	23.93	23.76
		25	25	23.81	23.90	23.74
		50	0	23.93	23.98	23.94
	16QAM	1	0	23.85	23.81	23.93
		1	24	23.91	23.90	23.95
		1	49	24.02	24.03	23.80
		25	0	22.73	22.95	22.97
		25	12	22.94	23.00	22.87
		25	25	22.99	23.03	22.99
		50	0	22.90	23.00	22.87
	64QAM	1	0	22.92	22.99	23.29
		1	24	22.92	23.24	22.94
		1	49	23.17	23.29	23.22
		25	0	21.73	21.96	21.96
		25	12	21.92	22.04	21.99
		25	25	21.94	22.06	22.05
		50	0	21.84	21.92	21.86
	256QAM	1	0	19.91	19.90	20.24
		1	24	19.81	19.96	20.04

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		1	49	20.03	20.20	20.02
		25	0	19.76	19.79	19.90
		25	12	19.86	19.91	19.89
		25	25	20.05	19.97	19.99
		50	0	19.97	19.88	19.88
BW [MHz]	Modulation	Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5	QPSK	1	0	24.91	24.89	24.76
		1	12	24.89	24.90	24.79
		1	24	24.83	24.90	24.66
		12	0	23.92	23.91	23.88
		12	6	23.86	23.91	23.77
		12	13	23.88	23.91	23.83
		25	0	23.97	23.94	23.95
	16QAM	1	0	23.80	23.82	23.86
		1	12	23.93	23.90	23.95
		1	24	24.02	24.06	23.93
		12	0	22.86	22.97	23.00
		12	6	22.89	22.92	22.85
		12	13	22.93	23.06	22.94
		25	0	22.90	22.90	22.85
	64QAM	1	0	22.89	23.06	23.28
		1	12	22.93	23.13	22.91
		1	24	23.23	23.32	23.22
		12	0	21.82	21.87	21.89
		12	6	21.94	21.96	22.00
		12	13	21.82	22.03	22.06
		25	0	21.84	21.97	21.83
	256QAM	1	0	19.88	19.86	20.26
		1	12	19.86	19.97	20.05
		1	24	20.08	20.17	20.00
		12	0	19.72	19.81	19.87
		12	6	19.99	19.87	19.87
		12	13	19.93	20.03	20.02
		25	0	19.97	19.95	19.83
BW [MHz]	Modulation	Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3	QPSK	1	0	24.87	24.91	24.74
		1	7	24.93	24.87	24.74
		1	14	24.83	24.86	24.76
		8	0	23.94	23.82	23.84
		8	3	23.93	23.89	23.68
		8	7	23.94	23.78	23.83
		15	0	23.97	23.94	23.96
	16QAM	1	0	23.87	23.79	23.85
		1	7	23.86	23.93	23.86

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		1	14	24.09	24.09	23.92
		8	0	22.74	22.96	22.99
		8	3	22.92	22.96	22.93
		8	7	22.95	23.08	22.99
		15	0	22.91	22.97	22.86
	64QAM	1	0	22.95	23.08	23.32
		1	7	23.03	23.11	22.88
		1	14	23.24	23.25	23.25
		8	0	21.82	21.94	21.86
		8	3	21.86	21.99	21.90
		8	7	21.84	22.00	21.98
		15	0	21.92	21.98	21.94
	256QAM	1	0	19.96	19.85	20.25
		1	7	19.90	19.91	20.09
		1	14	20.04	20.19	19.97
		8	0	19.86	19.82	20.00
		8	3	19.90	19.97	19.87
		8	7	20.05	19.91	20.00
		15	0	19.98	19.90	19.80
BW [MHz]	Modulation	Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4	QPSK	1	0	24.87	24.92	24.71
		1	2	24.89	24.91	24.82
		1	5	24.89	24.85	24.62
		3	0	24.69	24.73	24.66
		3	1	24.69	24.69	24.58
		3	3	24.68	24.73	24.64
		6	0	23.93	23.88	23.92
	16QAM	1	0	23.83	23.81	23.90
		1	2	23.99	23.86	23.94
		1	5	24.05	24.05	23.84
		3	0	23.56	23.78	23.73
		3	1	23.76	23.85	23.67
		3	3	23.77	23.85	23.79
		6	0	22.94	22.94	22.90
	64QAM	1	0	22.91	23.03	23.33
		1	2	23.00	23.19	22.95
		1	5	23.14	23.27	23.28
		3	0	22.65	22.67	22.67
		3	1	22.80	22.81	22.77
		3	3	22.76	22.84	22.85
		6	0	21.85	21.90	21.92
	256QAM	1	0	20.02	19.84	20.25
		1	2	19.86	20.01	20.02
		1	5	20.07	20.09	20.06
		3	0	20.41	20.47	20.37

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		3	1	20.43	20.33	20.38
		3	3	20.34	20.24	20.36
		6	0	19.89	19.98	19.80

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LTE Band 4 (Ant2)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20	QPSK	1	0	24.79	24.63	24.57
		1	50	24.68	24.57	24.52
		1	99	24.65	24.55	24.45
		50	0	23.81	23.73	23.63
		50	25	23.73	23.70	23.58
		50	50	23.69	23.69	23.61
		100	0	23.71	23.66	23.59
	16QAM	1	0	23.96	23.92	23.95
		1	50	23.92	23.82	23.89
		1	99	23.90	23.79	23.82
		50	0	22.78	22.73	22.76
		50	25	22.76	22.74	22.71
		50	50	22.72	22.68	22.66
		100	0	22.73	22.67	22.63
	64QAM	1	0	22.89	22.86	22.85
		1	50	22.86	22.81	22.83
		1	99	22.84	22.69	22.75
		50	0	21.76	21.72	21.73
		50	25	21.75	21.71	21.74
		50	50	21.71	21.67	21.70
		100	0	21.73	21.68	21.72
	256QAM	1	0	19.85	19.81	19.83
		1	50	19.82	19.78	19.80
		1	99	19.86	19.76	19.79
		50	0	19.78	19.66	19.69
		50	25	19.75	19.69	19.68
		50	50	19.70	19.63	19.66
		100	0	19.68	19.65	19.65
BW [MHz]	Modulation	Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15	QPSK	1	0	24.69	24.55	24.46
		1	37	24.61	24.46	24.45
		1	74	24.50	24.41	24.43
		36	0	23.75	23.66	23.62
		36	19	23.66	23.58	23.52
		36	39	23.62	23.60	23.60
		75	0	23.68	23.63	23.58
	16QAM	1	0	23.92	23.88	23.86
		1	37	23.78	23.72	23.82
		1	74	23.88	23.68	23.67
		36	0	22.76	22.66	22.70

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		36	19	22.67	22.66	22.63
		36	39	22.70	22.57	22.56
		75	0	22.62	22.59	22.55
	64QAM	1	0	22.78	22.81	22.76
		1	37	22.85	22.73	22.74
		1	74	22.78	22.59	22.66
		36	0	21.68	21.65	21.67
		36	19	21.60	21.69	21.72
		36	39	21.60	21.55	21.62
		75	0	21.68	21.65	21.61
	256QAM	1	0	19.81	19.69	19.71
		1	37	19.68	19.64	19.75
		1	74	19.85	19.71	19.64
		36	0	19.65	19.54	19.57
		36	19	19.71	19.61	19.62
		36	39	19.56	19.51	19.65
		75	0	19.55	19.58	19.62
BW [MHz]	Modulation	Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10	QPSK	1	0	24.70	24.54	24.55
		1	24	24.65	24.45	24.42
		1	49	24.63	24.49	24.34
		25	0	23.70	23.60	23.62
		25	12	23.62	23.60	23.43
		25	25	23.62	23.68	23.47
		50	0	23.68	23.64	23.53
	16QAM	1	0	23.89	23.78	23.83
		1	24	23.82	23.80	23.76
		1	49	23.86	23.72	23.74
		25	0	22.70	22.68	22.73
		25	12	22.72	22.62	22.60
		25	25	22.67	22.54	22.59
		50	0	22.60	22.58	22.57
	64QAM	1	0	22.82	22.73	22.70
		1	24	22.74	22.79	22.70
		1	49	22.69	22.62	22.64
		25	0	21.62	21.59	21.65
		25	12	21.72	21.70	21.61
		25	25	21.65	21.65	21.65
		50	0	21.64	21.67	21.60
	256QAM	1	0	19.80	19.75	19.75
		1	24	19.75	19.68	19.66
		1	49	19.71	19.71	19.67
		25	0	19.71	19.51	19.68
		25	12	19.66	19.55	19.62
		25	25	19.60	19.61	19.59

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		50	0	19.61	19.64	19.63
BW [MHz]	Modulation	Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5	QPSK	1	0	24.66	24.50	24.56
		1	12	24.55	24.53	24.44
		1	24	24.61	24.52	24.33
		12	0	23.76	23.61	23.61
		12	6	23.62	23.66	23.55
		12	13	23.55	23.68	23.53
		25	0	23.64	23.59	23.47
	16QAM	1	0	23.94	23.80	23.84
		1	12	23.87	23.74	23.77
		1	24	23.84	23.72	23.72
		12	0	22.76	22.60	22.68
		12	6	22.61	22.66	22.61
		12	13	22.57	22.65	22.65
		25	0	22.61	22.64	22.58
	64QAM	1	0	22.82	22.78	22.70
		1	12	22.82	22.74	22.73
		1	24	22.69	22.55	22.63
		12	0	21.75	21.67	21.65
		12	6	21.60	21.70	21.59
		12	13	21.64	21.56	21.69
		25	0	21.67	21.63	21.66
	256QAM	1	0	19.75	19.67	19.70
		1	12	19.80	19.67	19.70
		1	24	19.84	19.75	19.66
		12	0	19.69	19.55	19.61
		12	6	19.61	19.68	19.58
		12	13	19.69	19.53	19.58
		25	0	19.66	19.64	19.55
BW [MHz]	Modulation	Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3	QPSK	1	0	24.58	24.38	24.42
		1	7	24.46	24.45	24.48
		1	14	24.55	24.42	24.39
		8	0	23.63	23.55	23.60
		8	3	23.52	23.64	23.43
		8	7	23.46	23.63	23.50
		15	0	23.49	23.57	23.58
	16QAM	1	0	23.88	23.68	23.80
		1	7	23.77	23.59	23.82
		1	14	23.75	23.61	23.78
		8	0	22.61	22.46	22.61
		8	3	22.59	22.54	22.60
		8	7	22.49	22.56	22.53

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	64QAM	15	0	22.59	22.57	22.58
		1	0	22.75	22.68	22.82
		1	7	22.67	22.66	22.73
		1	14	22.65	22.46	22.74
		8	0	21.67	21.57	21.64
		8	3	21.46	21.66	21.60
		8	7	21.51	21.50	21.64
		15	0	21.64	21.48	21.70
	256QAM	1	0	19.76	19.74	19.72
		1	7	19.81	19.64	19.79
		1	14	19.81	19.61	19.68
		8	0	19.68	19.64	19.57
		8	3	19.64	19.60	19.55
		8	7	19.61	19.56	19.60
		15	0	19.66	19.53	19.55
BW [MHz]	Modulation	Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4	QPSK	1	0	24.54	24.38	24.52
		1	2	24.45	24.43	24.47
		1	5	24.54	24.38	24.30
		3	0	24.53	24.32	24.38
		3	1	24.29	24.41	24.24
		3	3	24.29	24.40	24.39
		6	0	23.63	23.45	23.57
	16QAM	1	0	23.79	23.67	23.92
		1	2	23.86	23.71	23.78
		1	5	23.71	23.68	23.73
		3	0	23.45	23.25	23.48
		3	1	23.37	23.40	23.48
		3	3	23.32	23.39	23.44
		6	0	22.49	22.59	22.62
	64QAM	1	0	22.68	22.66	22.70
		1	2	22.75	22.64	22.82
		1	5	22.59	22.47	22.74
		3	0	22.51	22.41	22.44
		3	1	22.28	22.40	22.50
		3	3	22.42	22.33	22.39
		6	0	21.62	21.48	21.71
	256QAM	1	0	19.77	19.57	19.78
		1	2	19.72	19.54	19.64
		1	5	19.74	19.63	19.61
		3	0	19.62	19.46	19.42
		3	1	19.60	19.54	19.53
		3	3	19.53	19.58	19.55
		6	0	19.47	19.46	19.50

LTE Band 38 (Ant0)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		37850	38000	38150
		Frequency (MHz)		2580	2595	2610
20	QPSK	1	0	24.75	24.58	24.40
		1	50	24.66	24.53	24.27
		1	99	24.58	24.35	24.14
		50	0	23.84	23.75	23.62
		50	25	23.79	23.71	23.61
		50	50	23.76	23.66	23.47
		100	0	23.80	23.70	23.61
	16QAM	1	0	23.83	23.78	23.80
		1	50	23.74	23.98	23.70
		1	99	23.71	23.80	23.71
		50	0	22.84	22.77	22.65
		50	25	22.82	22.72	22.62
		50	50	22.78	22.68	22.47
		100	0	22.80	22.71	22.69
	64QAM	1	0	22.75	22.76	22.74
		1	50	22.73	22.80	22.69
		1	99	22.67	22.59	22.51
		50	0	21.86	21.75	21.72
		50	25	21.81	21.72	21.69
		50	50	21.75	21.69	21.57
		100	0	21.80	21.70	21.72
	256QAM	1	0	19.65	19.66	19.72
		1	50	19.64	19.68	19.63
		1	99	19.69	19.56	19.56
		50	0	19.82	19.75	19.74
		50	25	19.80	19.72	19.70
		50	50	19.78	19.67	19.59
		100	0	19.80	19.71	19.70
BW [MHz]	Modulation	Channel		37825	38000	38175
		Frequency (MHz)		2577.5	2595	2612.5
15	QPSK	1	0	24.69	24.49	24.28
		1	37	24.62	24.40	24.22
		1	74	24.57	24.26	24.03
		36	0	23.80	23.72	23.49
		36	19	23.71	23.57	23.58
		36	39	23.70	23.62	23.32
		75	0	23.74	23.67	23.54
	16QAM	1	0	23.68	23.71	23.75
		1	37	23.70	23.95	23.69
		1	74	23.60	23.71	23.57

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		36	0	22.78	22.76	22.62
		36	19	22.78	22.62	22.54
		36	39	22.68	22.60	22.45
		75	0	22.70	22.59	22.59
	64QAM	1	0	22.62	22.74	22.62
		1	37	22.61	22.71	22.62
		1	74	22.60	22.48	22.43
		36	0	21.80	21.72	21.61
		36	19	21.79	21.64	21.68
		36	39	21.65	21.68	21.55
		75	0	21.75	21.63	21.60
	256QAM	1	0	19.64	19.52	19.68
		1	37	19.61	19.60	19.49
		1	74	19.57	19.54	19.43
		36	0	19.80	19.70	19.65
		36	19	19.72	19.68	19.55
		36	39	19.69	19.61	19.56
		75	0	19.70	19.65	19.62
BW [MHz]	Modulation	Channel		37800	38000	38200
		Frequency (MHz)		2575	2595	2615
10	QPSK	1	0	24.68	24.51	24.34
		1	24	24.65	24.40	24.26
		1	49	24.48	24.32	24.12
		25	0	23.82	23.66	23.47
		25	12	23.77	23.64	23.52
		25	25	23.68	23.55	23.37
		50	0	23.73	23.65	23.50
	16QAM	1	0	23.75	23.64	23.74
		1	24	23.67	23.87	23.64
		1	49	23.68	23.74	23.58
		25	0	22.81	22.65	22.64
		25	12	22.69	22.65	22.59
		25	25	22.69	22.60	22.39
		50	0	22.73	22.70	22.60
	64QAM	1	0	22.67	22.72	22.70
		1	24	22.72	22.76	22.62
		1	49	22.65	22.48	22.36
		25	0	21.77	21.67	21.71
		25	12	21.76	21.58	21.58
		25	25	21.69	21.55	21.42
		50	0	21.77	21.63	21.57
	256QAM	1	0	19.58	19.59	19.65
		1	24	19.50	19.66	19.58
		1	49	19.58	19.52	19.48
		25	0	19.73	19.72	19.72
		25	12	19.66	19.60	19.56

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		25	25	19.77	19.53	19.57
		50	0	19.76	19.70	19.59
BW [MHz]	Modulation	Channel		37775	38000	38225
		Frequency (MHz)		2572.5	2595	2617.5
5	QPSK	1	0	24.60	24.47	24.28
		1	12	24.54	24.40	24.25
		1	24	24.44	24.27	24.11
		12	0	23.71	23.63	23.57
		12	6	23.78	23.63	23.55
		12	13	23.73	23.54	23.40
		25	0	23.77	23.60	23.52
	16QAM	1	0	23.71	23.64	23.77
		1	12	23.59	23.91	23.62
		1	24	23.61	23.71	23.58
		12	0	22.73	22.70	22.64
		12	6	22.78	22.65	22.61
		12	13	22.74	22.55	22.45
		25	0	22.69	22.68	22.66
	64QAM	1	0	22.70	22.61	22.68
		1	12	22.68	22.75	22.60
		1	24	22.62	22.57	22.50
		12	0	21.77	21.73	21.70
		12	6	21.72	21.68	21.61
		12	13	21.63	21.61	21.48
		25	0	21.68	21.60	21.69
	256QAM	1	0	19.58	19.63	19.69
		1	12	19.60	19.58	19.62
		1	24	19.65	19.45	19.44
		12	0	19.74	19.74	19.59
		12	6	19.69	19.68	19.66
		12	13	19.68	19.64	19.45
		25	0	19.67	19.64	19.57

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LTE Band 41 (Ant0)								
BW [MHz]	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High
		Channel		39750	40185	40620	41055	41490
		Frequency (MHz)		2506	2549.5	2593	2636.5	2680
20	QPSK	1	0	23.58	23.56	23.65	23.61	23.61
		1	50	23.54	23.52	23.56	23.53	23.52
		1	99	23.56	23.48	23.58	23.58	23.58
		50	0	23.49	23.63	23.64	23.59	23.48
		50	25	23.48	23.58	23.61	23.58	23.46
		50	50	23.45	23.62	23.60	23.55	23.44
		100	0	23.52	23.53	23.60	23.57	23.48
	16QAM	1	0	23.55	23.55	23.54	23.55	23.52
		1	50	23.56	23.51	23.51	23.56	23.58
		1	99	23.52	23.53	23.55	23.51	23.56
		50	0	22.53	22.56	22.51	22.53	22.51
		50	25	22.52	22.59	22.56	22.58	22.53
		50	50	22.56	22.61	22.53	22.51	22.56
		100	0	22.51	22.51	22.52	22.52	22.55
	64QAM	1	0	22.55	22.53	22.53	22.51	22.53
		1	50	22.57	22.59	22.51	22.56	22.59
		1	99	22.59	22.57	22.61	22.59	22.62
		50	0	21.52	21.58	21.53	21.50	21.55
		50	25	21.56	21.53	21.55	21.53	21.57
		50	50	21.52	21.52	21.59	21.55	21.58
		100	0	21.55	21.55	21.56	21.57	21.56
	256QAM	1	0	19.52	19.53	19.51	19.57	19.59
		1	50	19.53	19.55	19.53	19.58	19.55
		1	99	19.55	19.57	19.59	19.54	19.62
		50	0	19.58	19.55	19.55	19.56	19.60
		50	25	19.52	19.53	19.55	19.51	19.58
		50	50	19.53	19.50	19.57	19.53	19.56
		100	0	19.56	19.54	19.53	19.50	19.51
BW [MHz]	Modulation	Channel		39725	40172.5	40620	41067.5	41515
		Frequency (MHz)		2503.5	2548.25	2593	2637.75	2682.5
15	QPSK	1	0	23.56	23.53	23.57	23.46	23.48
		1	37	23.40	23.43	23.48	23.38	23.49
		1	74	23.43	23.44	23.48	23.54	23.44
		36	0	23.34	23.50	23.51	23.47	23.36
		36	19	23.44	23.51	23.47	23.47	23.32
		36	39	23.37	23.56	23.54	23.46	23.40
		75	0	23.49	23.46	23.48	23.62	23.35
	16QAM	1	0	23.43	23.47	23.51	23.50	23.41
		1	37	23.50	23.43	23.39	23.54	23.50
		1	74	23.50	23.52	23.52	23.37	23.51

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		36	0	22.44	22.42	22.46	22.51	22.38
		36	19	22.39	22.47	22.41	22.52	22.38
		36	39	22.43	22.47	22.49	22.38	22.41
		75	0	22.40	22.49	22.37	22.47	22.53
	64QAM	1	0	22.52	22.39	22.49	22.49	22.39
		1	37	22.51	22.54	22.48	22.44	22.53
		1	74	22.56	22.47	22.57	22.55	22.52
		36	0	21.48	21.46	21.38	21.39	21.52
		36	19	21.53	21.52	21.50	21.40	21.47
		36	39	21.45	21.44	21.50	21.45	21.52
		75	0	21.50	21.54	21.43	21.50	21.51
		75	0	21.50	21.54	21.43	21.50	21.51
	256QAM	1	0	19.41	19.38	19.37	19.45	19.55
		1	37	19.43	19.53	19.44	19.53	19.49
		1	74	19.48	19.53	19.56	19.48	19.57
		36	0	19.43	19.50	19.40	19.51	19.51
		36	19	19.42	19.41	19.42	19.49	19.46
		36	39	19.46	19.38	19.56	19.51	19.45
		75	0	19.52	19.53	19.45	19.40	19.41
		75	0	19.52	19.53	19.45	19.40	19.41
BW [MHz]	Modulation	Channel		39700	40160	40620	41080	41540
		Frequency (MHz)		2501	2547	2593	2639	2685
10	QPSK	1	0	23.43	23.46	23.51	23.59	23.49
		1	24	23.40	23.37	23.41	23.52	23.41
		1	49	23.51	23.45	23.54	23.48	23.45
		25	0	23.32	23.56	23.54	23.57	23.42
		25	12	23.35	23.53	23.47	23.47	23.36
		25	25	23.40	23.49	23.49	23.41	23.40
		50	0	23.37	23.38	23.49	23.52	23.45
	16QAM	1	0	23.46	23.46	23.44	23.43	23.38
		1	24	23.46	23.50	23.37	23.47	23.51
		1	49	23.43	23.44	23.41	23.38	23.48
		25	0	22.52	22.47	22.45	22.39	22.43
		25	12	22.39	22.57	22.44	22.46	22.48
		25	25	22.45	22.58	22.40	22.44	22.47
		50	0	22.36	22.40	22.49	22.47	22.54
	64QAM	1	0	22.43	22.40	22.42	22.36	22.48
		1	24	22.55	22.48	22.38	22.49	22.56
		1	49	22.51	22.44	22.52	22.47	22.56
		25	0	21.44	21.47	21.40	21.36	21.50
		25	12	21.46	21.44	21.47	21.51	21.46
		25	25	21.46	21.45	21.47	21.48	21.52
		50	0	21.41	21.50	21.53	21.54	21.49
	256QAM	1	0	19.48	19.47	19.48	19.53	19.54
		1	24	19.47	19.53	19.39	19.54	19.47
		1	49	19.46	19.44	19.49	19.46	19.52
		25	0	19.49	19.47	19.52	19.47	19.46

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		25	12	19.50	19.49	19.51	19.40	19.56
		25	25	19.48	19.40	19.47	19.51	19.43
		50	0	19.51	19.41	19.43	19.46	19.47
BW [MHz]	Modulation	Channel		39675	40147.5	40620	41092.5	41565
		Frequency (MHz)		2498.5	2545.75	2593	2640.25	2687.5
5	QPSK	1	0	23.50	23.53	23.56	23.54	23.59
		1	12	23.50	23.39	23.43	23.42	23.39
		1	24	23.53	23.41	23.46	23.46	23.44
		12	0	23.29	23.56	23.55	23.58	23.38
		12	6	23.42	23.51	23.50	23.53	23.40
		12	13	23.40	23.55	23.57	23.43	23.30
		25	0	23.44	23.48	23.47	23.58	23.39
	16QAM	1	0	23.48	23.54	23.44	23.48	23.48
		1	12	23.45	23.45	23.46	23.47	23.53
		1	24	23.42	23.43	23.42	23.41	23.49
		12	0	22.46	22.47	22.50	22.46	22.38
		12	6	22.43	22.47	22.42	22.44	22.42
		12	13	22.51	22.53	22.43	22.36	22.49
		25	0	22.40	22.45	22.50	22.41	22.42
	64QAM	1	0	22.41	22.46	22.42	22.41	22.52
		1	12	22.50	22.49	22.46	22.49	22.45
		1	24	22.50	22.54	22.55	22.58	22.55
		12	0	21.42	21.49	21.39	21.46	21.47
		12	6	21.48	21.49	21.41	21.44	21.47
		12	13	21.39	21.40	21.50	21.54	21.48
		25	0	21.40	21.41	21.49	21.44	21.50
	256QAM	1	0	19.46	19.42	19.43	19.54	19.45
		1	12	19.50	19.52	19.38	19.46	19.52
		1	24	19.54	19.50	19.56	19.51	19.55
		12	0	19.51	19.50	19.46	19.54	19.47
		12	6	19.48	19.50	19.48	19.40	19.52
		12	13	19.49	19.35	19.50	19.40	19.51
		25	0	19.45	19.44	19.46	19.41	19.46

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HPUE LTE Band 41 (Ant0)									
BW [MHz]	Modulation	RB Size	RB Offset	Low for IC	Low	Low Mid	Mid	High Mid	High
		Channel		39790	39750	40185	40620	41055	41490
		Frequency (MHz)		2510	2506	2549.5	2593	2636.5	2680
20	QPSK	1	0	24.95	24.91	24.85	25.04	24.94	24.83
		1	50	24.88	24.85	24.76	25.01	24.91	24.79
		1	99	24.85	24.81	24.7	24.97	24.92	24.80
		50	0	23.89	23.87	23.82	24.01	23.97	23.83
		50	25	23.98	23.95	23.88	24.04	24.06	23.84
		50	50	23.93	23.91	23.83	24.01	24.05	23.72
		100	0	23.96	23.95	23.86	23.99	23.97	23.83
	16QAM	1	0	24.23	24.33	24.35	24.39	24.33	24.27
		1	50	24.26	24.30	24.33	24.36	24.31	24.25
		1	99	24.21	24.29	24.31	24.33	24.28	24.31
		50	0	23.05	23.03	23.06	23.04	23.02	23.06
		50	25	23	23.01	23.05	23.03	23.06	23.01
		50	50	23.02	23.06	23.09	23.10	23.02	23.03
		100	0	23.01	23.03	23.03	23.01	23.04	23.05
	64QAM	1	0	23.25	23.32	23.28	23.34	23.31	23.36
		1	50	23.22	23.35	23.23	23.28	23.33	23.31
		1	99	23.21	23.31	23.21	23.27	23.29	23.35
		50	0	22.01	22.11	22.03	22.06	22.08	22.01
		50	25	22.03	22.09	22.05	22.06	22.03	22.05
		50	50	22.01	22.04	22.01	22.11	22.06	22.08
		100	0	22	22.01	22.03	22.03	22.08	22.06
	256QAM	1	0	20.15	20.25	20.15	20.23	20.16	20.21
		1	50	20.1	20.28	20.13	20.18	20.13	20.13
		1	99	20.08	20.21	20.11	20.15	20.13	20.18
		50	0	20.02	20.03	20.08	20.05	20.05	20.09
		50	25	20.04	20.06	20.1	20.09	20.06	20.03
		50	50	20.06	20.08	20.06	20.10	20.02	20.04
		100	0	20.02	20.04	20.03	20.06	20.07	20.08
BW [MHz]	Modulation	Channel		39765	39725	40172.5	40620	41067.5	41515
		Frequency (MHz)		2507.5	2503.5	2548.25	2593	2637.75	2682.5
15	QPSK	1	0	24.82	24.81	24.8	24.98	24.85	24.76
		1	37	24.93	24.84	24.67	24.89	24.81	24.71
		1	74	24.82	24.75	24.69	24.86	24.79	24.73
		36	0	23.78	23.76	23.81	23.94	23.96	23.77
		36	19	23.84	23.83	23.82	23.88	23.91	23.81
		36	39	23.9	23.87	23.81	23.93	23.96	23.76
		75	0	23.81	23.88	23.75	23.86	24	23.72
	16QAM	1	0	24.15	24.20	24.23	24.24	24.32	24.22
		1	37	24.2	24.23	24.21	24.25	24.27	24.21
		1	74	24.07	24.28	24.23	24.27	24.19	24.20

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		36	0	22.91	23.02	22.93	22.94	22.89	22.92
		36	19	22.95	22.89	22.98	22.91	23.05	22.92
		36	39	22.92	23.05	22.96	22.95	22.89	23.01
		75	0	23	22.98	22.89	22.87	22.92	22.92
	64QAM	1	0	23.14	23.28	23.26	23.26	23.3	23.23
		1	37	23.21	23.20	23.21	23.16	23.32	23.27
		1	74	23.17	23.17	23.12	23.21	23.22	23.20
		36	0	21.97	21.97	21.88	22.05	21.97	21.91
		36	19	22.01	22.08	21.93	21.94	21.88	21.90
		36	39	21.94	21.97	21.93	22.10	22.03	22.00
		75	0	21.98	21.97	22.02	21.88	21.93	21.99
	256QAM	1	0	20.03	20.23	20.12	20.08	20.06	20.14
		1	37	19.96	20.19	19.98	20.14	20.03	20.10
		1	74	20.01	20.15	20.04	20.09	20.05	20.12
		36	0	19.95	19.99	19.95	20.01	19.95	20.02
		36	19	20.01	19.96	19.95	19.95	19.91	19.97
		36	39	20.01	19.95	20.05	20.03	19.99	19.92
		75	0	19.87	20.03	19.91	19.92	19.98	19.94
	BW [MHz]	Channel		39740	39700	40160	40620	41080	41540
		Frequency (MHz)		2505	2501	2547	2593	2639	2685
10	QPSK	1	0	24.87	24.88	24.7	25.01	24.89	24.72
		1	24	24.82	24.71	24.67	24.98	24.85	24.74
		1	49	24.7	24.72	24.64	24.83	24.86	24.78
		25	0	23.83	23.72	23.72	23.86	23.86	23.76
		25	12	23.91	23.88	23.85	23.88	24.05	23.79
		25	25	23.78	23.88	23.72	23.91	23.97	23.78
		50	0	23.9	23.91	23.81	23.93	23.96	23.75
	16QAM	1	0	24.13	24.30	24.24	24.31	24.18	24.23
		1	24	24.14	24.26	24.26	24.31	24.3	24.18
		1	49	24.14	24.26	24.19	24.29	24.25	24.25
		25	0	23.02	23.01	22.91	22.91	22.98	22.99
		25	12	22.95	22.89	23.03	22.95	22.95	22.96
		25	25	22.91	22.98	23.04	23.02	22.88	22.93
		50	0	22.87	22.99	22.92	22.95	23.01	23.04
	64QAM	1	0	23.24	23.12	23.25	23.13	23.27	23.20
		1	24	23.19	23.07	23.16	23.04	23.28	23.13
		1	49	23.12	23.19	23.13	23.21	23.24	23.14
		25	0	21.87	21.95	21.93	21.89	22.03	21.81
		25	12	21.97	21.99	22	21.83	21.93	21.84
		25	25	21.88	21.83	21.88	21.98	21.94	22.00
		50	0	21.95	21.85	21.89	21.86	21.99	21.98
	256QAM	1	0	20.07	20.13	20.04	20.20	20.04	20.14
		1	24	20.07	20.27	20	20.06	19.99	20.10
		1	49	19.94	20.06	20.03	20.14	20	20.15
		25	0	19.92	19.98	20.06	20.00	19.91	19.95
		25	12	19.92	20.02	20.07	19.97	19.94	19.88

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		25	25	19.98	20.01	20.03	20.07	19.97	19.96
		50	0	19.87	19.90	19.98	19.93	20.01	20.03
BW [MHz]	Modulation	Channel		39715	39675	40147.5	40620	41092.5	41565
		Frequency (MHz)		2502.5	2498.5	2545.75	2593	2640.25	2687.5
5	QPSK	1	0	24.86	24.89	24.74	25.00	24.9	24.77
		1	12	24.8	24.82	24.66	24.94	24.83	24.71
		1	24	24.79	24.80	24.59	24.96	24.9	24.72
		12	0	23.82	23.86	23.68	23.95	23.91	23.81
		12	6	23.86	23.86	23.83	23.97	23.98	23.83
		12	13	23.87	23.89	23.68	23.90	23.91	23.73
		25	0	23.92	23.90	23.72	23.96	24.02	23.76
	16QAM	1	0	24.19	24.21	24.28	24.34	24.31	24.24
		1	12	24.24	24.26	24.32	24.22	24.3	24.21
		1	24	24.2	24.21	24.29	24.18	24.13	24.22
		12	0	23.02	22.90	22.91	22.95	22.94	22.99
		12	6	22.94	23.00	22.92	22.98	22.97	22.98
		12	13	22.89	22.93	23.06	22.98	22.94	22.88
		25	0	22.99	22.93	23.02	22.87	22.95	22.95
	64QAM	1	0	23.16	23.31	23.14	23.20	23.24	23.27
		1	12	23.13	23.22	23.08	23.17	23.26	23.16
		1	24	23.18	23.27	23.1	23.24	23.27	23.33
		12	0	21.98	22.10	21.96	22.01	21.94	21.86
		12	6	21.94	22.05	21.9	21.92	21.89	21.95
		12	13	21.87	21.97	21.87	21.97	21.95	21.98
		25	0	21.92	21.90	22.01	21.89	21.95	21.97
	256QAM	1	0	20.05	20.21	20.02	20.20	20.02	20.07
		1	12	20.06	20.13	20.08	20.04	20.04	20.11
		1	24	19.95	20.08	20.1	20.05	20.09	20.06
		12	0	20	19.97	19.95	19.99	19.95	20.06
		12	6	19.9	19.97	20.01	20.02	19.99	19.94
		12	13	20.04	20.04	19.94	19.95	19.89	19.91
		25	0	19.95	20.02	19.93	19.91	19.92	19.97

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Part27Q_LTE Band 42 (Ant1)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		42190	42590	42990
		Frequency (MHz)		3460	3500	3540
20	QPSK	1	0	23.64	23.61	23.51
		1	50	23.59	23.57	23.50
		1	99	23.53	23.58	23.46
		50	0	22.45	22.60	22.46
		50	25	22.69	22.62	22.50
		50	50	22.67	22.59	22.39
		100	0	22.62	22.58	22.46
	16QAM	1	0	22.77	22.40	22.20
		1	50	22.55	22.36	22.70
		1	99	22.69	22.15	22.33
		50	0	21.35	21.69	21.50
		50	25	21.59	21.61	21.43
		50	50	21.64	21.67	21.58
		100	0	21.55	21.58	21.44
	64QAM	1	0	21.58	21.60	21.70
		1	50	21.63	21.49	21.58
		1	99	21.67	21.24	21.68
		50	0	20.41	20.57	20.47
		50	25	20.60	20.57	20.41
		50	50	20.61	20.60	20.32
		100	0	20.59	20.64	20.48
	256QAM	1	0	18.94	18.87	18.70
		1	50	18.54	18.51	18.81
		1	99	18.71	18.56	18.51
		50	0	18.44	18.78	18.53
		50	25	18.72	18.57	18.47
		50	50	18.57	18.42	18.48
		100	0	18.52	18.37	18.46
BW [MHz]	Modulation	Channel		42165	42590	43015
		Frequency (MHz)		3457.5	3500	3542.5
15	QPSK	1	0	23.53	23.52	23.45
		1	37	23.54	23.53	23.38
		1	74	23.44	23.55	23.33
		36	0	22.31	22.48	22.43
		36	19	22.57	22.58	22.38
		36	39	22.65	22.52	22.36
		75	0	22.47	22.52	22.39
	16QAM	1	0	22.75	22.32	22.07
		1	37	22.53	22.35	22.62
		1	74	22.62	22.11	22.25
		36	0	21.25	21.54	21.36

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		36	19	21.45	21.48	21.38
		36	39	21.63	21.64	21.47
		75	0	21.50	21.49	21.29
	64QAM	1	0	21.57	21.48	21.67
		1	37	21.57	21.35	21.50
		1	74	21.59	21.13	21.66
		36	0	20.35	20.50	20.32
		36	19	20.52	20.52	20.40
		36	39	20.56	20.53	20.21
		75	0	20.58	20.56	20.41
	256QAM	1	0	18.93	18.76	18.69
		1	37	18.46	18.36	18.73
		1	74	18.70	18.53	18.40
		36	0	18.29	18.75	18.43
		36	19	18.57	18.53	18.34
		36	39	18.49	18.36	18.37
		75	0	18.51	18.24	18.44
BW [MHz]	Modulation	Channel		42140	42590	43040
		Frequency (MHz)		3455	3500	3545
10	QPSK	1	0	23.58	23.54	23.37
		1	24	23.45	23.43	23.41
		1	49	23.40	23.43	23.43
		25	0	22.32	22.59	22.40
		25	12	22.56	22.60	22.41
		25	25	22.53	22.48	22.25
		50	0	22.47	22.45	22.44
	16QAM	1	0	22.74	22.38	22.09
		1	24	22.40	22.34	22.67
		1	49	22.66	22.06	22.31
		25	0	21.29	21.54	21.48
		25	12	21.58	21.51	21.31
		25	25	21.62	21.61	21.57
		50	0	21.44	21.45	21.37
	64QAM	1	0	21.44	21.46	21.59
		1	24	21.58	21.34	21.49
		1	49	21.61	21.16	21.56
		25	0	20.33	20.56	20.43
		25	12	20.45	20.42	20.31
		25	25	20.53	20.47	20.25
		50	0	20.55	20.58	20.35
	256QAM	1	0	18.93	18.73	18.55
		1	24	18.42	18.50	18.74
		1	49	18.65	18.42	18.37
		25	0	18.38	18.70	18.44
		25	12	18.68	18.42	18.35
		25	25	18.56	18.27	18.33

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		50	0	18.38	18.27	18.35
BW [MHz]	Modulation	Channel		42115	42590	43065
		Frequency (MHz)		3452.50	3500.00	3547.50
5	QPSK	1	0	23.61	23.48	23.41
		1	12	23.50	23.56	23.48
		1	24	23.47	23.50	23.44
		12	0	22.44	22.48	22.44
		12	6	22.59	22.58	22.39
		12	13	22.63	22.47	22.31
		25	0	22.56	22.44	22.41
	16QAM	1	0	22.70	22.28	22.09
		1	12	22.42	22.33	22.55
		1	24	22.55	22.14	22.30
		12	0	21.24	21.56	21.40
		12	6	21.56	21.47	21.34
		12	13	21.54	21.55	21.49
		25	0	21.51	21.45	21.31
	64QAM	1	0	21.52	21.46	21.60
		1	12	21.58	21.34	21.45
		1	24	21.63	21.18	21.59
		12	0	20.26	20.56	20.42
		12	6	20.51	20.50	20.26
		12	13	20.53	20.47	20.28
		25	0	20.54	20.63	20.33
	256QAM	1	0	18.88	18.74	18.66
		1	12	18.49	18.49	18.67
		1	24	18.58	18.54	18.40
		12	0	18.39	18.69	18.47
		12	6	18.64	18.46	18.42
		12	13	18.46	18.41	18.46
		25	0	18.42	18.36	18.43

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LTE Band 66 (Ant0)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20	QPSK	1	0	24.96	25.03	25.05
		1	50	25.24	25.11	25.17
		1	99	25.08	25.04	25.06
		50	0	24.03	24.21	24.13
		50	25	24.29	24.26	24.20
		50	50	24.16	24.24	24.19
		100	0	24.23	24.22	24.18
	16QAM	1	0	24.12	24.27	24.06
		1	50	24.30	24.29	24.12
		1	99	24.26	24.11	24.04
		50	0	23.08	23.27	23.30
		50	25	23.13	23.30	23.17
		50	50	23.24	23.28	23.16
		100	0	23.18	23.24	23.18
	64QAM	1	0	23.31	23.34	23.24
		1	50	23.34	23.36	23.29
		1	99	23.14	23.20	23.16
		50	0	22.08	22.22	22.21
		50	25	22.12	22.30	22.14
		50	50	22.23	22.17	22.09
		100	0	22.16	22.26	22.12
	256QAM	1	0	20.19	20.02	20.38
		1	50	20.10	19.87	19.40
		1	99	20.34	19.99	20.11
		50	0	20.03	20.22	20.09
		50	25	20.13	20.24	20.11
		50	50	20.09	20.31	20.10
		100	0	20.16	20.17	20.16
BW [MHz]	Modulation	Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15	QPSK	1	0	24.92	24.95	24.92
		1	37	25.18	24.98	25.16
		1	74	24.93	24.92	24.91
		36	0	23.95	24.12	24.07
		36	19	24.22	24.21	24.14
		36	39	24.12	24.10	24.15
		75	0	24.10	24.15	24.04
	16QAM	1	0	24.00	24.22	24.04
		1	37	24.26	24.21	24.00
		1	74	24.18	23.97	23.92
		36	0	22.93	23.26	23.27

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		36	19	23.11	23.27	23.12
		36	39	23.12	23.20	23.03
		75	0	23.07	23.14	23.04
	64QAM	1	0	23.22	23.22	23.12
		1	37	23.31	23.23	23.26
		1	74	23.11	23.16	23.02
		36	0	22.00	22.12	22.11
		36	19	22.01	22.25	22.03
		36	39	22.17	22.06	21.96
		75	0	22.04	22.15	22.03
	256QAM	1	0	20.17	19.96	20.32
		1	37	19.99	19.82	19.26
		1	74	20.21	19.98	20.09
		36	0	19.98	20.17	20.05
		36	19	20.09	20.17	20.00
		36	39	20.08	20.23	19.95
		75	0	20.04	20.06	20.15
	BW [MHz]	Channel		132022	132322	132622
		Modulation		Frequency (MHz)	1715	1745
	10			1775		
		QPSK	1	0	24.90	25.00
			1	24	25.15	25.09
			1	49	24.98	24.89
			25	0	23.92	24.18
			25	12	24.26	24.13
			25	25	24.07	24.21
			50	0	24.21	24.08
		16QAM	1	0	24.01	24.25
			1	24	24.15	24.16
			1	49	24.13	23.99
			25	0	23.01	23.20
			25	12	23.05	23.27
			25	25	23.22	23.21
			50	0	23.03	23.18
		64QAM	1	0	23.25	23.25
			1	24	23.24	23.32
			1	49	23.13	23.12
			25	0	22.05	22.16
			25	12	22.00	22.21
			25	25	22.19	22.11
			50	0	22.01	22.11
		256QAM	1	0	20.08	19.87
			1	24	20.09	19.84
			1	49	20.24	19.91
			25	0	20.02	20.09
			25	12	20.04	20.21
			25	25	19.99	20.29
			25	25	19.99	20.01

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		50	0	20.05	20.08	20.03
BW [MHz]	Modulation	Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5	QPSK	1	0	24.90	24.98	25.00
		1	12	25.17	24.99	25.02
		1	24	25.06	25.01	25.00
		12	0	23.90	24.07	24.02
		12	6	24.19	24.12	24.16
		12	13	24.05	24.23	24.06
		25	0	24.13	24.10	24.13
	16QAM	1	0	24.03	24.26	23.98
		1	12	24.24	24.22	24.05
		1	24	24.16	24.07	23.97
		12	0	22.98	23.20	23.24
		12	6	23.02	23.15	23.07
		12	13	23.20	23.25	23.09
		25	0	23.04	23.21	23.12
	64QAM	1	0	23.30	23.27	23.09
		1	12	23.27	23.33	23.27
		1	24	23.07	23.19	23.13
		12	0	21.96	22.18	22.18
		12	6	22.07	22.28	22.12
		12	13	22.14	22.05	22.04
		25	0	22.15	22.24	21.98
	256QAM	1	0	20.10	19.98	20.35
		1	12	20.05	19.85	19.33
		1	24	20.25	19.91	19.97
		12	0	19.90	20.09	20.05
		12	6	20.06	20.14	19.96
		12	13	20.05	20.17	19.97
		25	0	20.14	20.15	20.01
BW [MHz]	Modulation	Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3	QPSK	1	0	24.83	24.90	24.94
		1	7	25.12	24.99	25.09
		1	14	25.03	24.97	24.98
		8	0	23.97	24.17	24.11
		8	3	24.23	24.14	24.18
		8	7	24.11	24.20	24.09
		15	0	24.21	24.19	24.15
	16QAM	1	0	24.09	24.15	23.97
		1	7	24.26	24.16	24.07
		1	14	24.14	24.10	24.01
		8	0	22.99	23.20	23.29
		8	3	23.08	23.24	23.08
		8	7	23.17	23.25	23.15

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	64QAM	15	0	23.11	23.16	23.04
		1	0	23.27	23.32	23.17
		1	7	23.23	23.22	23.16
		1	14	23.04	23.18	23.01
		8	0	21.94	22.19	22.08
		8	3	22.08	22.25	22.01
		8	7	22.22	22.03	22.07
		15	0	22.02	22.22	21.97
	256QAM	1	0	20.06	19.94	20.33
		1	7	19.97	19.82	19.35
		1	14	20.25	19.87	20.07
		8	0	19.99	20.16	20.05
		8	3	20.00	20.12	19.96
		8	7	19.96	20.24	19.99
		15	0	20.01	20.13	20.14
BW [MHz]	Modulation	Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4	QPSK	1	0	24.90	24.88	25.02
		1	2	25.13	24.96	25.03
		1	5	25.01	24.92	24.97
		3	0	24.79	24.96	24.93
		3	1	25.01	24.96	24.88
		3	3	24.97	25.00	24.88
		6	0	24.11	24.12	24.08
	16QAM	1	0	24.10	24.22	24.03
		1	2	24.20	24.26	24.05
		1	5	24.20	24.05	23.91
		3	0	23.76	23.98	24.08
		3	1	23.90	24.11	23.88
		3	3	23.98	24.02	23.83
		6	0	23.11	23.20	23.07
	64QAM	1	0	23.19	23.23	23.11
		1	2	23.26	23.25	23.22
		1	5	23.03	23.08	23.14
		3	0	22.79	22.97	22.96
		3	1	22.92	22.99	22.83
		3	3	22.92	22.86	22.83
		6	0	22.08	22.14	22.08
	256QAM	1	0	20.08	19.94	20.24
		1	2	20.03	19.86	19.39
		1	5	20.27	19.84	19.99
		3	0	20.44	20.41	20.47
		3	1	20.20	20.25	20.21
		3	3	20.47	20.28	20.37
		6	0	20.04	20.12	20.08

LTE Band 66 (Ant2)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20	QPSK	1	0	25.32	25.08	24.98
		1	50	25.24	25.05	24.81
		1	99	25.11	25.02	24.91
		50	0	24.39	24.16	24.10
		50	25	24.36	24.13	24.08
		50	50	24.27	24.11	24.06
		100	0	24.31	24.10	24.09
	16QAM	1	0	24.33	24.22	24.12
		1	50	24.31	24.33	24.05
		1	99	24.35	24.18	24.15
		50	0	23.29	23.21	23.16
		50	25	23.25	23.16	23.18
		50	50	23.26	23.13	23.14
		100	0	23.20	23.15	23.12
	64QAM	1	0	23.25	23.22	23.15
		1	50	23.22	23.25	23.12
		1	99	23.18	23.20	23.15
		50	0	22.28	22.19	22.09
		50	25	22.26	22.16	22.12
		50	50	22.22	22.12	22.14
		100	0	22.25	22.10	22.08
	256QAM	1	0	20.42	20.35	20.30
		1	50	20.45	20.31	20.27
		1	99	20.38	20.27	20.20
		50	0	20.35	20.17	20.15
		50	25	20.33	20.13	20.18
		50	50	20.31	20.16	20.16
		100	0	20.17	20.11	20.12
BW [MHz]	Modulation	Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15	QPSK	1	0	25.19	24.94	24.85
		1	37	25.17	25.00	24.77
		1	74	25.01	25.01	24.78
		36	0	24.32	24.03	23.99
		36	19	24.25	24.11	23.98
		36	39	24.21	23.96	23.92
		75	0	24.16	24.05	23.95
	16QAM	1	0	24.19	24.12	24.05
		1	37	24.25	24.31	24.04
		1	74	24.22	24.16	24.07

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		36	0	23.15	23.13	23.02
		36	19	23.10	23.06	23.15
		36	39	23.16	23.04	23.13
		75	0	23.13	23.04	23.06
	64QAM	1	0	23.19	23.08	23.01
		1	37	23.18	23.21	23.11
		1	74	23.11	23.15	23.13
		36	0	22.25	22.15	22.08
		36	19	22.13	22.07	22.07
		36	39	22.10	22.11	22.10
		75	0	22.15	22.08	22.06
	256QAM	1	0	20.27	20.26	20.19
		1	37	20.43	20.27	20.21
		1	74	20.36	20.19	20.08
		36	0	20.22	20.10	20.08
		36	19	20.26	20.08	20.10
		36	39	20.23	20.05	20.12
		75	0	20.07	20.04	20.10
BW [MHz]	Modulation	Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10	QPSK	1	0	25.20	25.02	24.92
		1	24	25.12	25.01	24.69
		1	49	24.97	24.91	24.80
		25	0	24.34	24.03	24.02
		25	12	24.33	24.05	23.98
		25	25	24.14	24.00	23.97
		50	0	24.25	24.05	24.02
	16QAM	1	0	24.19	24.09	23.98
		1	24	24.28	24.27	23.95
		1	49	24.21	24.14	24.07
		25	0	23.25	23.09	23.15
		25	12	23.19	23.15	23.14
		25	25	23.11	23.04	23.12
		50	0	23.18	23.10	23.04
	64QAM	1	0	23.11	23.12	23.06
		1	24	23.20	23.19	22.99
		1	49	23.13	23.13	23.03
		25	0	22.24	22.12	21.99
		25	12	22.21	22.01	22.05
		25	25	22.18	21.98	22.13
		50	0	22.24	22.01	22.07
	256QAM	1	0	20.30	20.28	20.27
		1	24	20.35	20.29	20.20
		1	49	20.29	20.15	20.10
		25	0	20.34	20.03	20.02
		25	12	20.18	20.10	20.05

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		25	25	20.22	20.14	20.10
		50	0	20.16	19.98	20.10
BW [MHz]	Modulation	Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5	QPSK	1	0	25.19	24.99	24.97
		1	12	25.21	25.00	24.66
		1	24	25.05	24.99	24.79
		12	0	24.25	24.13	24.02
		12	6	24.30	24.02	24.01
		12	13	24.13	24.07	23.95
		25	0	24.19	24.05	24.07
	16QAM	1	0	24.18	24.13	24.00
		1	12	24.26	24.20	23.96
		1	24	24.34	24.16	24.09
		12	0	23.28	23.14	23.06
		12	6	23.18	23.13	23.03
		12	13	23.15	23.07	22.99
		25	0	23.06	23.07	23.10
	64QAM	1	0	23.11	23.14	23.09
		1	12	23.17	23.15	23.04
		1	24	23.11	23.18	23.11
		12	0	22.21	22.12	21.98
		12	6	22.13	22.15	22.04
		12	13	22.19	22.11	22.01
		25	0	22.21	21.96	21.93
	256QAM	1	0	20.36	20.31	20.16
		1	12	20.34	20.17	20.15
		1	24	20.33	20.17	20.13
		12	0	20.21	20.07	20.05
		12	6	20.24	20.00	20.04
		12	13	20.17	20.15	20.13
		25	0	20.12	20.10	20.11
BW [MHz]	Modulation	Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3	QPSK	1	0	25.25	25.07	24.90
		1	7	25.19	25.02	24.74
		1	14	25.03	24.95	24.80
		8	0	24.27	24.05	23.98
		8	3	24.21	24.06	23.94
		8	7	24.20	23.96	23.92
		15	0	24.23	24.01	24.07
	16QAM	1	0	24.19	24.11	24.11
		1	7	24.29	24.23	23.92
		1	14	24.26	24.11	24.03
		8	0	23.19	23.08	23.14
		8	3	23.11	23.15	23.10

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		8	7	23.15	23.02	22.99
		15	0	23.17	23.10	23.10
	64QAM	1	0	23.11	23.21	23.03
		1	7	23.09	23.11	23.08
		1	14	23.08	23.11	23.04
		8	0	22.25	22.10	22.06
		8	3	22.17	22.03	22.10
		8	7	22.08	22.09	22.12
		15	0	22.20	22.01	21.93
	256QAM	1	0	20.31	20.26	20.19
		1	7	20.31	20.18	20.25
		1	14	20.30	20.25	20.13
		8	0	20.29	20.15	20.00
		8	3	20.28	20.10	20.09
		8	7	20.30	20.14	20.02
		15	0	20.09	19.98	20.03
BW [MHz]	Modulation	Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4	QPSK	1	0	25.24	25.05	24.90
		1	2	25.19	24.96	24.74
		1	5	25.04	24.91	24.86
		3	0	25.19	24.90	24.85
		3	1	25.12	24.85	24.81
		3	3	25.06	24.81	24.74
		6	0	24.20	24.09	24.07
	16QAM	1	0	24.24	24.21	24.05
		1	2	24.19	24.24	23.99
		1	5	24.25	24.04	24.11
		3	0	23.98	23.91	23.87
		3	1	24.02	23.97	23.99
		3	3	24.01	23.93	23.89
		6	0	23.14	23.05	23.07
	64QAM	1	0	23.21	23.08	23.01
		1	2	23.19	23.23	22.97
		1	5	23.15	23.07	23.08
		3	0	23.03	22.95	22.77
		3	1	22.99	22.92	22.87
		3	3	23.00	22.88	22.90
		6	0	22.24	22.02	22.07
	256QAM	1	0	20.22	20.15	20.09
		1	2	20.22	20.05	20.19
		1	5	20.17	20.14	20.08
		3	0	20.19	20.08	19.90
		3	1	20.21	20.01	19.94
		3	3	20.25	20.03	19.97
		6	0	19.94	19.97	19.93

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LTE Band 106 (Ant0)						
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel			134322	
		Frequency (MHz)			899	
3	QPSK	1	0		24.43	
		1	7		24.35	
		1	14		24.35	
		8	0		23.41	
		8	3		23.39	
		8	7		23.32	
		15	0		23.42	
	16QAM	1	0		23.62	
		1	7		23.73	
		1	14		23.58	
		8	0		22.39	
		8	3		22.52	
		8	7		22.46	
		15	0		22.41	
	64QAM	1	0		22.79	
		1	7		22.76	
		1	14		22.77	
		8	0		22.08	
		8	3		22.16	
		8	7		22.15	
		15	0		22.12	
	256QAM	1	0		20.37	
		1	7		20.28	
		1	14		20.39	
		8	0		20.41	
		8	3		20.32	
		8	7		20.19	
		15	0		20.26	
BW [MHz]	Modulation	Channel		134299	134317	134335
		Frequency (MHz)		896.7	898.5	900.3
1.4	QPSK	1	0	24.19	24.23	24.21
		1	2	24.32	24.30	24.29
		1	5	24.26	24.23	24.27
		3	0	24.30	24.25	24.28
		3	1	24.22	24.32	24.26
		3	3	24.28	24.28	24.13
		6	0	23.26	23.17	23.22
	16QAM	1	0	23.64	24.06	23.57
		1	2	23.60	24.05	23.73
		1	5	23.67	23.62	23.97
		3	0	23.37	23.31	23.37

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		3	1	23.49	23.41	23.32
		3	3	23.45	23.44	23.42
		6	0	22.39	22.25	22.29
	64QAM	1	0	22.44	22.41	22.40
		1	2	22.56	22.62	22.50
		1	5	22.53	22.54	22.44
		3	0	22.55	22.34	22.41
		3	1	22.47	22.38	22.39
		3	3	22.42	22.33	22.33
		6	0	21.25	21.25	21.18
	256QAM	1	0	19.32	19.35	19.33
		1	2	19.40	19.39	19.43
		1	5	19.24	19.29	19.27
		3	0	19.29	19.30	19.32
		3	1	19.32	19.36	19.35
		3	3	19.27	19.17	19.21
		6	0	19.30	19.27	19.29

EIRP

LTE Band 4 (Ant0)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	20050	1720	24.97	-0.56	24.41	276.06	1
	20175	1732.5	24.96	-0.56	24.40	275.42	1
	20300	1745	24.84	-0.56	24.28	267.92	1
20M-16QAM	20050	1720	24.16	-0.56	23.60	229.09	1
	20175	1732.5	24.18	-0.56	23.62	230.14	1
	20300	1745	23.98	-0.56	23.42	219.79	1
20M-64QAM	20050	1720	23.25	-0.56	22.69	185.78	1
	20175	1732.5	23.34	-0.56	22.78	189.67	1
	20300	1745	23.37	-0.56	22.81	190.99	1
20M-256QAM	20050	1720	20.12	-0.56	19.56	90.36	1
	20175	1732.5	20.24	-0.56	19.68	92.90	1
	20300	1745	20.37	-0.56	19.81	95.72	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	20025	1717.5	24.93	-0.56	24.37	273.53	1
	20175	1732.5	24.91	-0.56	24.35	272.27	1
	20325	1747.5	24.74	-0.56	24.18	261.82	1
15M-16QAM	20025	1717.5	24.15	-0.56	23.59	228.56	1
	20175	1732.5	24.05	-0.56	23.49	223.36	1
	20325	1747.5	23.97	-0.56	23.41	219.28	1
15M-64QAM	20025	1717.5	23.21	-0.56	22.65	184.08	1
	20175	1732.5	23.33	-0.56	22.77	189.23	1
	20325	1747.5	23.26	-0.56	22.70	186.21	1
15M-256QAM	20025	1717.5	20.07	-0.56	19.51	89.33	1
	20175	1732.5	20.12	-0.56	19.56	90.36	1
	20325	1747.5	20.22	-0.56	19.66	92.47	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	20000	1715	24.95	-0.56	24.39	274.79	1
	20175	1732.5	24.89	-0.56	24.33	271.02	1
	20350	1750	24.76	-0.56	24.20	263.03	1
10M-16QAM	20000	1715	24.02	-0.56	23.46	221.82	1
	20175	1732.5	24.03	-0.56	23.47	222.33	1

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	20350	1750	23.95	-0.56	23.39	218.27	1
10M-64QAM	20000	1715	23.17	-0.56	22.61	182.39	1
	20175	1732.5	23.29	-0.56	22.73	187.50	1
	20350	1750	23.29	-0.56	22.73	187.50	1
10M-256QAM	20000	1715	20.05	-0.56	19.49	88.92	1
	20175	1732.5	20.20	-0.56	19.64	92.04	1
	20350	1750	20.24	-0.56	19.68	92.90	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	19975	1712.5	24.91	-0.56	24.35	272.27	1
	20175	1732.5	24.90	-0.56	24.34	271.64	1
	20375	1752.5	24.79	-0.56	24.23	264.85	1
5M-16QAM	19975	1712.5	24.02	-0.56	23.46	221.82	1
	20175	1732.5	24.06	-0.56	23.50	223.87	1
	20375	1752.5	23.95	-0.56	23.39	218.27	1
5M-64QAM	19975	1712.5	23.23	-0.56	22.67	184.93	1
	20175	1732.5	23.32	-0.56	22.76	188.80	1
	20375	1752.5	23.28	-0.56	22.72	187.07	1
5M-256QAM	19975	1712.5	20.08	-0.56	19.52	89.54	1
	20175	1732.5	20.17	-0.56	19.61	91.41	1
	20375	1752.5	20.26	-0.56	19.70	93.33	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	19965	1711.5	24.93	-0.56	24.37	273.53	1
	20175	1732.5	24.91	-0.56	24.35	272.27	1
	20385	1753.5	24.76	-0.56	24.20	263.03	1
3M-16QAM	19965	1711.5	24.09	-0.56	23.53	225.42	1
	20175	1732.5	24.09	-0.56	23.53	225.42	1
	20385	1753.5	23.92	-0.56	23.36	216.77	1
3M-64QAM	19965	1711.5	23.24	-0.56	22.68	185.35	1
	20175	1732.5	23.25	-0.56	22.69	185.78	1
	20385	1753.5	23.32	-0.56	22.76	188.80	1
3M-256QAM	19965	1711.5	20.05	-0.56	19.49	88.92	1
	20175	1732.5	20.19	-0.56	19.63	91.83	1
	20385	1753.5	20.25	-0.56	19.69	93.11	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	19957	1710.7	24.89	-0.56	24.33	271.02	1
	20175	1732.5	24.92	-0.56	24.36	272.90	1
	20393	1754.3	24.82	-0.56	24.26	266.69	1
	19957	1710.7	24.05	-0.56	23.49	223.36	1

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1.4M-16QAM	20175	1732.5	24.05	-0.56	23.49	223.36	1
	20393	1754.3	23.94	-0.56	23.38	217.77	1
1.4M-64QAM	19957	1710.7	23.14	-0.56	22.58	181.13	1
	20175	1732.5	23.27	-0.56	22.71	186.64	1
	20393	1754.3	23.33	-0.56	22.77	189.23	1
1.4M-256QAM	19957	1710.7	20.43	-0.56	19.87	97.05	1
	20175	1732.5	20.47	-0.56	19.91	97.95	1
	20393	1754.3	20.38	-0.56	19.82	95.94	1

LTE Band 4 (Ant2)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	20050	1720	24.79	-5.01	19.78	95.06	1
	20175	1732.5	24.63	-5.01	19.62	91.62	1
	20300	1745	24.57	-5.01	19.56	90.36	1
20M-16QAM	20050	1720	23.96	-5.01	18.95	78.52	1
	20175	1732.5	23.92	-5.01	18.91	77.80	1
	20300	1745	23.95	-5.01	18.94	78.34	1
20M-64QAM	20050	1720	22.89	-5.01	17.88	61.38	1
	20175	1732.5	22.86	-5.01	17.85	60.95	1
	20300	1745	22.85	-5.01	17.84	60.81	1
20M-256QAM	20050	1720	19.86	-5.01	14.85	30.55	1
	20175	1732.5	19.81	-5.01	14.80	30.20	1
	20300	1745	19.83	-5.01	14.82	30.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	20025	1717.5	24.69	-5.01	19.68	92.90	1
	20175	1732.5	24.55	-5.01	19.54	89.95	1
	20325	1747.5	24.46	-5.01	19.45	88.10	1
15M-16QAM	20025	1717.5	23.92	-5.01	18.91	77.80	1
	20175	1732.5	23.88	-5.01	18.87	77.09	1
	20325	1747.5	23.86	-5.01	18.85	76.74	1
15M-64QAM	20025	1717.5	22.85	-5.01	17.84	60.81	1
	20175	1732.5	22.81	-5.01	17.80	60.26	1
	20325	1747.5	22.76	-5.01	17.75	59.57	1
15M-256QAM	20025	1717.5	19.85	-5.01	14.84	30.48	1
	20175	1732.5	19.71	-5.01	14.70	29.51	1
	20325	1747.5	19.75	-5.01	14.74	29.79	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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10M-QPSK	20000	1715	24.70	-5.01	19.69	93.11	1
	20175	1732.5	24.54	-5.01	19.53	89.74	1
	20350	1750	24.55	-5.01	19.54	89.95	1
10M-16QAM	20000	1715	23.89	-5.01	18.88	77.27	1
	20175	1732.5	23.80	-5.01	18.79	75.68	1
	20350	1750	23.83	-5.01	18.82	76.21	1
10M-64QAM	20000	1715	22.82	-5.01	17.81	60.39	1
	20175	1732.5	22.79	-5.01	17.78	59.98	1
	20350	1750	22.70	-5.01	17.69	58.75	1
10M-256QAM	20000	1715	19.80	-5.01	14.79	30.13	1
	20175	1732.5	19.75	-5.01	14.74	29.79	1
	20350	1750	19.75	-5.01	14.74	29.79	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	19975	1712.5	24.66	-5.01	19.65	92.26	1
	20175	1732.5	24.53	-5.01	19.52	89.54	1
	20375	1752.5	24.56	-5.01	19.55	90.16	1
5M-16QAM	19975	1712.5	23.94	-5.01	18.93	78.16	1
	20175	1732.5	23.80	-5.01	18.79	75.68	1
	20375	1752.5	23.84	-5.01	18.83	76.38	1
5M-64QAM	19975	1712.5	22.82	-5.01	17.81	60.39	1
	20175	1732.5	22.78	-5.01	17.77	59.84	1
	20375	1752.5	22.73	-5.01	17.72	59.16	1
5M-256QAM	19975	1712.5	19.84	-5.01	14.83	30.41	1
	20175	1732.5	19.75	-5.01	14.74	29.79	1
	20375	1752.5	19.70	-5.01	14.69	29.44	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	19965	1711.5	24.58	-5.01	19.57	90.57	1
	20175	1732.5	24.45	-5.01	19.44	87.90	1
	20385	1753.5	24.48	-5.01	19.47	88.51	1
3M-16QAM	19965	1711.5	23.88	-5.01	18.87	77.09	1
	20175	1732.5	23.68	-5.01	18.67	73.62	1
	20385	1753.5	23.82	-5.01	18.81	76.03	1
3M-64QAM	19965	1711.5	22.75	-5.01	17.74	59.43	1
	20175	1732.5	22.68	-5.01	17.67	58.48	1
	20385	1753.5	22.82	-5.01	17.81	60.39	1
3M-256QAM	19965	1711.5	19.81	-5.01	14.80	30.20	1
	20175	1732.5	19.74	-5.01	14.73	29.72	1
	20385	1753.5	19.79	-5.01	14.78	30.06	1
	Channel						

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BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	19957	1710.7	24.54	-5.01	19.53	89.74	1
	20175	1732.5	24.43	-5.01	19.42	87.50	1
	20393	1754.3	24.52	-5.01	19.51	89.33	1
1.4M-16QAM	19957	1710.7	23.86	-5.01	18.85	76.74	1
	20175	1732.5	23.71	-5.01	18.70	74.13	1
	20393	1754.3	23.92	-5.01	18.91	77.80	1
1.4M-64QAM	19957	1710.7	22.75	-5.01	17.74	59.43	1
	20175	1732.5	22.66	-5.01	17.65	58.21	1
	20393	1754.3	22.82	-5.01	17.81	60.39	1
1.4M-256QAM	19957	1710.7	19.77	-5.01	14.76	29.92	1
	20175	1732.5	19.63	-5.01	14.62	28.97	1
	20393	1754.3	19.78	-5.01	14.77	29.99	1

LTE Band 38 (Ant0)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	37850	2580	24.58	-0.44	24.14	259.42	2
	38000	2595	24.75	-0.44	24.31	269.77	2
	38150	2610	24.40	-0.44	23.96	248.89	2
20M-16QAM	37850	2580	23.98	-0.44	23.54	225.94	2
	38000	2595	23.83	-0.44	23.39	218.27	2
	38150	2610	23.80	-0.44	23.36	216.77	2
20M-64QAM	37850	2580	22.80	-0.44	22.36	172.19	2
	38000	2595	22.75	-0.44	22.31	170.22	2
	38150	2610	22.74	-0.44	22.30	169.82	2
20M-256QAM	37850	2580	19.75	-0.44	19.31	85.31	2
	38000	2595	19.82	-0.44	19.38	86.70	2
	38150	2610	19.74	-0.44	19.30	85.11	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	37825	2577.5	24.69	-0.44	24.25	266.07	2
	38000	2595	24.49	-0.44	24.05	254.10	2
	38175	2612.5	24.28	-0.44	23.84	242.10	2
15M-16QAM	37825	2577.5	23.70	-0.44	23.26	211.84	2
	38000	2595	23.95	-0.44	23.51	224.39	2
	38175	2612.5	23.75	-0.44	23.31	214.29	2
15M-64QAM	37825	2577.5	22.62	-0.44	22.18	165.20	2
	38000	2595	22.74	-0.44	22.30	169.82	2
	38175	2612.5	22.62	-0.44	22.18	165.20	2

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15M-256QAM	37825	2577.5	19.80	-0.44	19.36	86.30	2
	38000	2595	19.70	-0.44	19.26	84.33	2
	38175	2612.5	19.68	-0.44	19.24	83.95	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	37800	2575	24.68	-0.44	24.24	265.46	2
	38000	2595	24.51	-0.44	24.07	255.27	2
	38200	2615	24.34	-0.44	23.90	245.47	2
10M-16QAM	37800	2575	23.75	-0.44	23.31	214.29	2
	38000	2595	23.87	-0.44	23.43	220.29	2
	38200	2615	23.74	-0.44	23.30	213.80	2
10M-64QAM	37800	2575	22.72	-0.44	22.28	169.04	2
	38000	2595	22.76	-0.44	22.32	170.61	2
	38200	2615	22.70	-0.44	22.26	168.27	2
10M-256QAM	37800	2575	19.77	-0.44	19.33	85.70	2
	38000	2595	19.72	-0.44	19.28	84.72	2
	38200	2615	19.72	-0.44	19.28	84.72	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	37775	2572.5	24.60	-0.44	24.16	260.62	2
	38000	2595	24.47	-0.44	24.03	252.93	2
	38225	2617.5	24.28	-0.44	23.84	242.10	2
5M-16QAM	37775	2572.5	23.71	-0.44	23.27	212.32	2
	38000	2595	23.91	-0.44	23.47	222.33	2
	38225	2617.5	23.77	-0.44	23.33	215.28	2
5M-64QAM	37775	2572.5	22.70	-0.44	22.26	168.27	2
	38000	2595	22.75	-0.44	22.31	170.22	2
	38225	2617.5	22.68	-0.44	22.24	167.49	2
5M-256QAM	37775	2572.5	19.74	-0.44	19.30	85.11	2
	38000	2595	19.74	-0.44	19.30	85.11	2
	38225	2617.5	19.69	-0.44	19.25	84.14	2

LTE Band 41 (Ant0)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	39750	2506	23.58	-0.44	23.14	206.06	2
	40185	2549.5	23.63	-0.44	23.19	208.45	2
	40620	2593	23.65	-0.44	23.21	209.41	2
	41055	2636.5	23.61	-0.44	23.17	207.49	2
	41490	2680	23.61	-0.44	23.17	207.49	2

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	20M-16QAM	39750	2506	23.56	-0.44	23.12	205.12	2
		40185	2549.5	23.55	-0.44	23.11	204.64	2
		40620	2593	23.55	-0.44	23.11	204.64	2
		41055	2636.5	23.56	-0.44	23.12	205.12	2
		41490	2680	23.58	-0.44	23.14	206.06	2
	20M-64QAM	39750	2506	22.59	-0.44	22.15	164.06	2
		40185	2549.5	22.59	-0.44	22.15	164.06	2
		40620	2593	22.61	-0.44	22.17	164.82	2
		41055	2636.5	22.59	-0.44	22.15	164.06	2
		41490	2680	22.62	-0.44	22.18	165.20	2
	20M-256QAM	39750	2506	19.58	-0.44	19.14	82.04	2
		40185	2549.5	19.57	-0.44	19.13	81.85	2
		40620	2593	19.59	-0.44	19.15	82.22	2
		41055	2636.5	19.58	-0.44	19.14	82.04	2
		41490	2680	19.62	-0.44	19.18	82.79	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)	
15M-QPSK		39725	2503.5	23.56	-0.44	23.12	205.12	2
		40172.5	2548.25	23.56	-0.44	23.12	205.12	2
		40620	2593	23.57	-0.44	23.13	205.59	2
		41067.5	2637.75	23.62	-0.44	23.18	207.97	2
		39765	2507.5	23.48	-0.44	23.04	201.37	2
	15M-16QAM	39725	2503.5	23.50	-0.44	23.06	202.30	2
		40172.5	2548.25	23.52	-0.44	23.08	203.24	2
		40620	2593	23.52	-0.44	23.08	203.24	2
		41067.5	2637.75	23.54	-0.44	23.10	204.17	2
		41515	2682.5	23.51	-0.44	23.07	202.77	2
15M-64QAM		39725	2503.5	22.56	-0.44	22.12	162.93	2
		40172.5	2548.25	22.54	-0.44	22.10	162.18	2
		40620	2593	22.57	-0.44	22.13	163.31	2
		41067.5	2637.75	22.55	-0.44	22.11	162.55	2
		41515	2682.5	22.53	-0.44	22.09	161.81	2
	15M-256QAM	39725	2503.5	19.52	-0.44	19.08	80.91	2
		40172.5	2548.25	19.53	-0.44	19.09	81.10	2
		40620	2593	19.56	-0.44	19.12	81.66	2
		41067.5	2637.75	19.53	-0.44	19.09	81.10	2
		41515	2682.5	19.57	-0.44	19.13	81.85	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)	
10M-QPSK	39700	2501	23.51	-0.44	23.07	202.77	2	
	40160	2547	23.56	-0.44	23.12	205.12	2	

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10M-16QAM	40620	2593	23.54	-0.44	23.10	204.17	2
	41080	2639	23.59	-0.44	23.15	206.54	2
	39740	2505	23.48	-0.44	23.04	201.37	2
	39700	2501	23.46	-0.44	23.02	200.45	2
	40160	2547	23.50	-0.44	23.06	202.30	2
	40620	2593	23.44	-0.44	23.00	199.53	2
	41080	2639	23.47	-0.44	23.03	200.91	2
	41540	2685	23.51	-0.44	23.07	202.77	2
10M-64QAM	39700	2501	22.55	-0.44	22.11	162.55	2
	40160	2547	22.48	-0.44	22.04	159.96	2
	40620	2593	22.52	-0.44	22.08	161.44	2
	41080	2639	22.49	-0.44	22.05	160.32	2
	41540	2685	22.56	-0.44	22.12	162.93	2
10M-256QAM	39700	2501	19.51	-0.44	19.07	80.72	2
	40160	2547	19.53	-0.44	19.09	81.10	2
	40620	2593	19.52	-0.44	19.08	80.91	2
	41080	2639	19.54	-0.44	19.10	81.28	2
	41540	2685	19.56	-0.44	19.12	81.66	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	39675	2498.5	23.53	-0.44	23.09	203.70	2
	40147.5	2545.75	23.56	-0.44	23.12	205.12	2
	40620	2593	23.57	-0.44	23.13	205.59	2
	41092.5	2640.25	23.58	-0.44	23.14	206.06	2
	39715	2502.5	23.50	-0.44	23.06	202.30	2
5M-16QAM	39675	2498.5	23.48	-0.44	23.04	201.37	2
	40147.5	2545.75	23.54	-0.44	23.10	204.17	2
	40620	2593	23.46	-0.44	23.02	200.45	2
	41092.5	2640.25	23.48	-0.44	23.04	201.37	2
	41565	2687.5	23.53	-0.44	23.09	203.70	2
5M-64QAM	39675	2498.5	22.50	-0.44	22.06	160.69	2
	40147.5	2545.75	22.54	-0.44	22.10	162.18	2
	40620	2593	22.55	-0.44	22.11	162.55	2
	41092.5	2640.25	22.58	-0.44	22.14	163.68	2
	41565	2687.5	22.55	-0.44	22.11	162.55	2
5M-256QAM	39675	2498.5	19.54	-0.44	19.10	81.28	2
	40147.5	2545.75	19.52	-0.44	19.08	80.91	2
	40620	2593	19.56	-0.44	19.12	81.66	2
	41092.5	2640.25	19.54	-0.44	19.10	81.28	2
	41565	2687.5	19.55	-0.44	19.11	81.47	2

Part27Q_LTE Band 42 (Ant1)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	42190	3460	23.64	1.24	24.88	307.61	1
	42590	3500	23.61	1.24	24.85	305.49	1
	42990	3540	23.51	1.24	24.75	298.54	1
20M- 16QAM	42190	3460	22.77	1.24	24.01	251.77	1
	42590	3500	22.40	1.24	23.64	231.21	1
	42990	3540	22.70	1.24	23.94	247.74	1
20M- 64QAM	42190	3460	21.67	1.24	22.91	195.43	1
	42590	3500	21.60	1.24	22.84	192.31	1
	42990	3540	21.70	1.24	22.94	196.79	1
20M- 256QAM	42190	3460	18.94	1.24	20.18	104.23	1
	42590	3500	18.87	1.24	20.11	102.57	1
	42990	3540	18.81	1.24	20.05	101.16	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	42165	3457.5	23.54	1.24	24.78	300.61	1
	42590	3500	23.55	1.24	24.79	301.30	1
	43015	3542.5	23.45	1.24	24.69	294.44	1
15M- 16QAM	42165	3457.5	22.75	1.24	23.99	250.61	1
	42590	3500	22.35	1.24	23.59	228.56	1
	43015	3542.5	22.62	1.24	23.86	243.22	1
15M- 64QAM	42165	3457.5	21.59	1.24	22.83	191.87	1
	42590	3500	21.48	1.24	22.72	187.07	1
	43015	3542.5	21.67	1.24	22.91	195.43	1
15M- 256QAM	42165	3457.5	18.93	1.24	20.17	103.99	1
	42590	3500	18.76	1.24	20.00	100.00	1
	43015	3542.5	18.73	1.24	19.97	99.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	42140	3455	23.58	1.24	24.82	303.39	1
	42590	3500	23.54	1.24	24.78	300.61	1
	43040	3545	23.43	1.24	24.67	293.09	1
10M- 16QAM	42140	3455	22.74	1.24	23.98	250.03	1
	42590	3500	22.38	1.24	23.62	230.14	1
	43040	3545	22.67	1.24	23.91	246.04	1
10M- 64QAM	42140	3455	21.61	1.24	22.85	192.75	1
	42590	3500	21.46	1.24	22.70	186.21	1
	43040	3545	21.59	1.24	22.83	191.87	1

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10M-256QAM	42140	3455	18.93	1.24	20.17	103.99	1
	42590	3500	18.73	1.24	19.97	99.31	1
	43040	3545	18.74	1.24	19.98	99.54	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	42115	3452.5	23.61	1.24	24.85	305.49	1
	42590	3500	23.56	1.24	24.80	302.00	1
	43065	3547.5	23.48	1.24	24.72	296.48	1
5M-16QAM	42115	3452.5	22.70	1.24	23.94	247.74	1
	42590	3500	22.33	1.24	23.57	227.51	1
	43065	3547.5	22.55	1.24	23.79	239.33	1
5M-64QAM	42115	3452.5	21.63	1.24	22.87	193.64	1
	42590	3500	21.46	1.24	22.70	186.21	1
	43065	3547.5	21.60	1.24	22.84	192.31	1
5M-256QAM	42115	3452.5	18.88	1.24	20.12	102.80	1
	42590	3500	18.74	1.24	19.98	99.54	1
	43065	3547.5	18.67	1.24	19.91	97.95	1

LTE Band 66 (Ant0)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	132072	1720	25.24	-0.56	24.68	293.76	1
	132322	1745	25.11	-0.56	24.55	285.23	1
	132572	1770	25.17	-0.56	24.61	289.07	1
20M-16QAM	132072	1720	24.30	-0.56	23.74	236.59	1
	132322	1745	24.29	-0.56	23.73	236.05	1
	132572	1770	24.12	-0.56	23.56	226.99	1
20M-64QAM	132072	1720	23.34	-0.56	22.78	189.67	1
	132322	1745	23.36	-0.56	22.80	190.55	1
	132572	1770	23.29	-0.56	22.73	187.50	1
20M-256QAM	132072	1720	20.34	-0.56	19.78	95.06	1
	132322	1745	20.31	-0.56	19.75	94.41	1
	132572	1770	20.38	-0.56	19.82	95.94	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	132047	1717.5	25.18	-0.56	24.62	289.73	1
	132322	1745	24.98	-0.56	24.42	276.82	1
	132597	1772.5	25.16	-0.56	24.60	288.40	1
15M-16QAM	132047	1717.5	24.26	-0.56	23.70	234.42	1
	132322	1745	24.22	-0.56	23.66	232.27	1

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	132597	1772.5	24.04	-0.56	23.48	222.84	1
15M-64QAM	132047	1717.5	23.31	-0.56	22.75	188.36	1
	132322	1745	23.23	-0.56	22.67	184.93	1
	132597	1772.5	23.26	-0.56	22.70	186.21	1
15M-256QAM	132047	1717.5	20.21	-0.56	19.65	92.26	1
	132322	1745	20.23	-0.56	19.67	92.68	1
	132597	1772.5	20.32	-0.56	19.76	94.62	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	132022	1715	25.15	-0.56	24.59	287.74	1
	132322	1745	25.09	-0.56	24.53	283.92	1
	132622	1775	25.07	-0.56	24.51	282.49	1
10M-16QAM	132022	1715	24.15	-0.56	23.59	228.56	1
	132322	1745	24.25	-0.56	23.69	233.88	1
	132622	1775	24.06	-0.56	23.50	223.87	1
10M-64QAM	132022	1715	23.25	-0.56	22.69	185.78	1
	132322	1745	23.32	-0.56	22.76	188.80	1
	132622	1775	23.20	-0.56	22.64	183.65	1
10M-256QAM	132022	1715	20.24	-0.56	19.68	92.90	1
	132322	1745	20.29	-0.56	19.73	93.97	1
	132622	1775	20.29	-0.56	19.73	93.97	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	131997	1712.5	25.17	-0.56	24.61	289.07	1
	132322	1745	25.01	-0.56	24.45	278.61	1
	132647	1777.5	25.02	-0.56	24.46	279.25	1
5M-16QAM	131997	1712.5	24.24	-0.56	23.68	233.35	1
	132322	1745	24.26	-0.56	23.70	234.42	1
	132647	1777.5	24.05	-0.56	23.49	223.36	1
5M-64QAM	131997	1712.5	23.30	-0.56	22.74	187.93	1
	132322	1745	23.33	-0.56	22.77	189.23	1
	132647	1777.5	23.27	-0.56	22.71	186.64	1
5M-256QAM	131997	1712.5	20.25	-0.56	19.69	93.11	1
	132322	1745	20.17	-0.56	19.61	91.41	1
	132647	1777.5	20.35	-0.56	19.79	95.28	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	131987	1711.5	25.12	-0.56	24.56	285.76	1
	132322	1745	24.99	-0.56	24.43	277.46	1
	132657	1778.5	25.09	-0.56	24.53	283.79	1
3M-16QAM	131987	1711.5	24.26	-0.56	23.70	234.42	1

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	132322	1745	24.16	-0.56	23.60	229.09	1
	132657	1778.5	24.07	-0.56	23.51	224.39	1
3M-64QAM	131987	1711.5	23.27	-0.56	22.71	186.64	1
	132322	1745	23.32	-0.56	22.76	188.80	1
	132657	1778.5	23.17	-0.56	22.61	182.39	1
3M-256QAM	131987	1711.5	20.25	-0.56	19.69	93.11	1
	132322	1745	20.24	-0.56	19.68	92.90	1
	132657	1778.5	20.33	-0.56	19.77	94.84	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	131979	1710.7	25.13	-0.56	24.57	286.42	1
	132322	1745	25.00	-0.56	24.44	277.97	1
	132665	1779.3	25.03	-0.56	24.47	279.90	1
1.4M-16QAM	131979	1710.7	24.20	-0.56	23.64	231.21	1
	132322	1745	24.26	-0.56	23.70	234.42	1
	132665	1779.3	24.08	-0.56	23.52	224.91	1
1.4M-64QAM	131979	1710.7	23.26	-0.56	22.70	186.21	1
	132322	1745	23.25	-0.56	22.69	185.78	1
	132665	1779.3	23.22	-0.56	22.66	184.50	1
1.4M-256QAM	131979	1710.7	20.47	-0.56	19.91	97.95	1
	132322	1745	20.41	-0.56	19.85	96.61	1
	132665	1779.3	20.47	-0.56	19.91	97.95	1

LTE Band 66 (Ant2)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	132072	1720	25.32	-4.48	20.84	121.34	1
	132322	1745	25.08	-4.48	20.60	114.82	1
	132572	1770	24.98	-4.48	20.50	112.20	1
20M-16QAM	132072	1720	24.35	-4.48	19.87	97.05	1
	132322	1745	24.33	-4.48	19.85	96.61	1
	132572	1770	24.15	-4.48	19.67	92.68	1
20M-64QAM	132072	1720	23.25	-4.48	18.77	75.34	1
	132322	1745	23.25	-4.48	18.77	75.34	1
	132572	1770	23.15	-4.48	18.67	73.62	1
20M-256QAM	132072	1720	20.45	-4.48	15.97	39.54	1
	132322	1745	20.35	-4.48	15.87	38.64	1
	132572	1770	20.30	-4.48	15.82	38.19	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)

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15M-QPSK	132047	1717.5	25.19	-4.48	20.71	117.76	1
	132322	1745	25.01	-4.48	20.53	112.98	1
	132597	1772.5	24.85	-4.48	20.37	108.89	1
15M-16QAM	132047	1717.5	24.25	-4.48	19.77	94.84	1
	132322	1745	24.31	-4.48	19.83	96.16	1
	132597	1772.5	24.07	-4.48	19.59	90.99	1
15M-64QAM	132047	1717.5	23.19	-4.48	18.71	74.30	1
	132322	1745	23.21	-4.48	18.73	74.64	1
	132597	1772.5	23.13	-4.48	18.65	73.28	1
15M-256QAM	132047	1717.5	20.43	-4.48	15.95	39.36	1
	132322	1745	20.27	-4.48	15.79	37.93	1
	132597	1772.5	20.21	-4.48	15.73	37.41	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	132022	1715	25.20	-4.48	20.72	118.03	1
	132322	1745	25.02	-4.48	20.54	113.24	1
	132622	1775	24.92	-4.48	20.44	110.66	1
10M-16QAM	132022	1715	24.28	-4.48	19.80	95.50	1
	132322	1745	24.27	-4.48	19.79	95.28	1
	132622	1775	24.07	-4.48	19.59	90.99	1
10M-64QAM	132022	1715	23.20	-4.48	18.72	74.47	1
	132322	1745	23.19	-4.48	18.71	74.30	1
	132622	1775	23.06	-4.48	18.58	72.11	1
10M-256QAM	132022	1715	20.35	-4.48	15.87	38.64	1
	132322	1745	20.29	-4.48	15.81	38.11	1
	132622	1775	20.27	-4.48	15.79	37.93	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	131997	1712.5	25.21	-4.48	20.73	118.30	1
	132322	1745	25.00	-4.48	20.52	112.72	1
	132647	1777.5	24.97	-4.48	20.49	111.94	1
5M-16QAM	131997	1712.5	24.34	-4.48	19.86	96.83	1
	132322	1745	24.20	-4.48	19.72	93.76	1
	132647	1777.5	24.09	-4.48	19.61	91.41	1
5M-64QAM	131997	1712.5	23.17	-4.48	18.69	73.96	1
	132322	1745	23.18	-4.48	18.70	74.13	1
	132647	1777.5	23.11	-4.48	18.63	72.95	1
5M-256QAM	131997	1712.5	20.36	-4.48	15.88	38.73	1
	132322	1745	20.31	-4.48	15.83	38.28	1
	132647	1777.5	20.16	-4.48	15.68	36.98	1
	Channel						

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BW [MHz] Modulation		Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	131987	1711.5	25.25	-4.48	20.77	119.40	1
	132322	1745	25.07	-4.48	20.59	114.55	1
	132657	1778.5	24.90	-4.48	20.42	110.15	1
3M-16QAM	131987	1711.5	24.29	-4.48	19.81	95.72	1
	132322	1745	24.23	-4.48	19.75	94.41	1
	132657	1778.5	24.11	-4.48	19.63	91.83	1
3M-64QAM	131987	1711.5	23.11	-4.48	18.63	72.95	1
	132322	1745	23.21	-4.48	18.73	74.64	1
	132657	1778.5	23.08	-4.48	18.60	72.44	1
3M-256QAM	131987	1711.5	20.31	-4.48	15.83	38.28	1
	132322	1745	20.26	-4.48	15.78	37.84	1
	132657	1778.5	20.25	-4.48	15.77	37.76	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	131979	1710.7	25.24	-4.48	20.76	119.12	1
	132322	1745	25.05	-4.48	20.57	114.02	1
	132665	1779.3	24.90	-4.48	20.42	110.15	1
1.4M-16QAM	131979	1710.7	24.25	-4.48	19.77	94.84	1
	132322	1745	24.24	-4.48	19.76	94.62	1
	132665	1779.3	24.11	-4.48	19.63	91.83	1
1.4M-64QAM	131979	1710.7	23.21	-4.48	18.73	74.64	1
	132322	1745	23.23	-4.48	18.75	74.99	1
	132665	1779.3	23.08	-4.48	18.60	72.44	1
1.4M-256QAM	131979	1710.7	20.25	-4.48	15.77	37.76	1
	132322	1745	20.15	-4.48	15.67	36.90	1
	132665	1779.3	20.19	-4.48	15.71	37.24	1

LTE Band 106 (Ant0)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	0	0	0.00	-2.86	-2.86	0.52	3
	134322	899	24.43	-2.86	21.57	143.55	3
	0	0	0.00	-2.86	-2.86	0.52	3
3M-16QAM	0	0	0.00	-2.86	-2.86	0.52	3
	134322	899	23.73	-2.86	20.87	122.18	3
	0	0	0.00	-2.86	-2.86	0.52	3
3M-64QAM	0	0	0.00	-2.86	-2.86	0.52	3
	134322	899	22.79	-2.86	19.93	98.40	3
	0	0	0.00	-2.86	-2.86	0.52	3
3M-256QAM	0	0	0.00	-2.86	-2.86	0.52	3
	134322	899	20.41	-2.86	17.55	56.89	3
	0	0	0.00	-2.86	-2.86	0.52	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	134299	896.7	24.32	-2.86	21.46	139.96	3
	134317	898.5	24.32	-2.86	21.46	139.96	3
	134335	900.3	24.29	-2.86	21.43	139.00	3
1.4M-16QAM	134299	896.7	23.67	-2.86	20.81	120.50	3
	134317	898.5	24.06	-2.86	21.20	131.83	3
	134335	900.3	23.97	-2.86	21.11	129.12	3
1.4M-64QAM	134299	896.7	22.56	-2.86	19.70	93.33	3
	134317	898.5	22.62	-2.86	19.76	94.62	3
	134335	900.3	22.50	-2.86	19.64	92.04	3
1.4M-256QAM	134299	896.7	19.40	-2.86	16.54	45.08	3
	134317	898.5	19.39	-2.86	16.53	44.98	3
	134335	900.3	19.43	-2.86	16.57	45.39	3

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

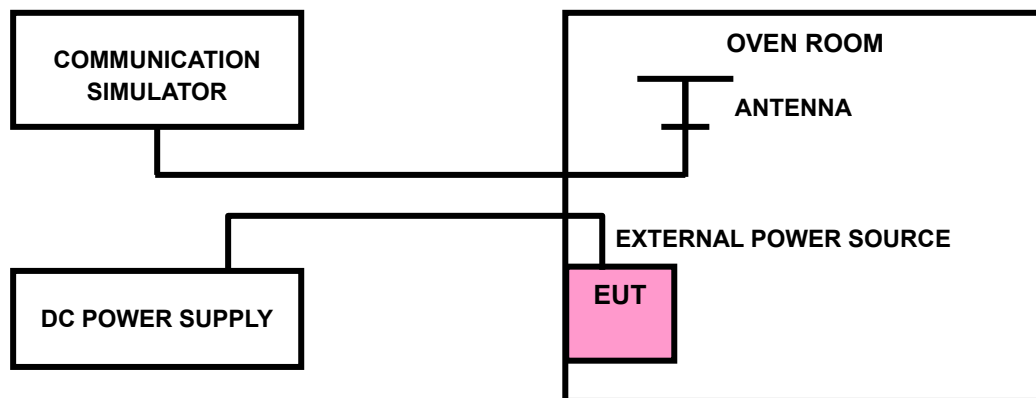
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

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 Appendix Of this test report.

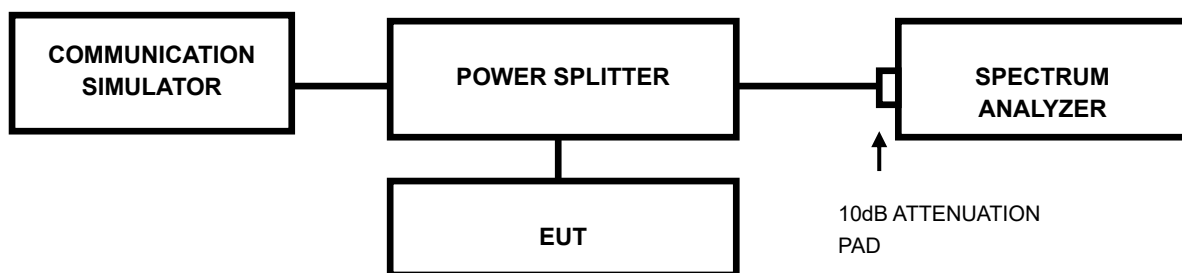
Note: VL = Low voltage(3.4V); VN/NV = Normal voltage(3.7V); VH = High voltage(4.2V); NT = Normal temperature (25°C)

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 Appendix Of this test report.

3.4 BAND EDGE MEASUREMENT

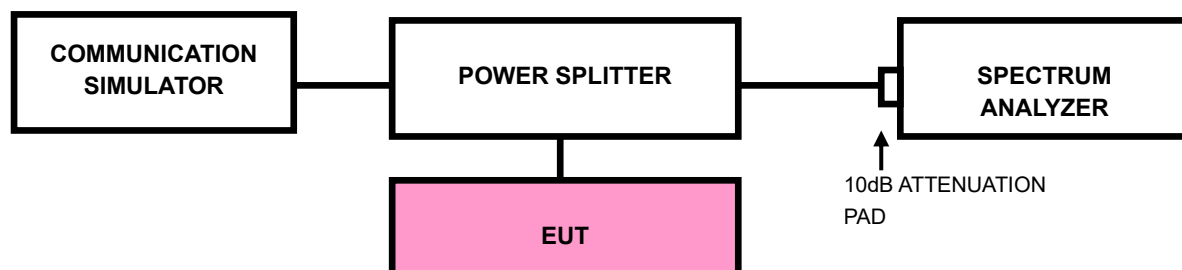
3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC Part 27.53(h) specified that For operations in the 1710-1755 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to FCC Part 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.

According to FCC Part 27.53 (n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

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

3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

For LTE Band4/66

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 is equal to -13dBm .

For: LTE Band42

For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz .

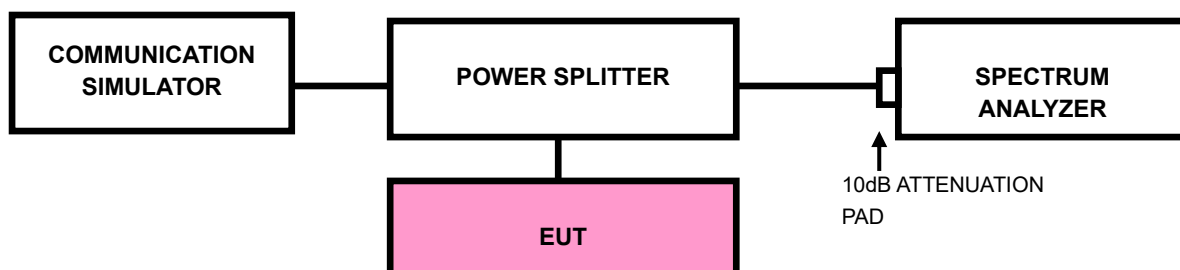
For LTE Band38/41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

3.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. 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





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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 Appendix Of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

For LTE Band4/66

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 is equal to -13dBm .

For: LTE Band42

For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz .

For LTE Band38/41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

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, $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$.

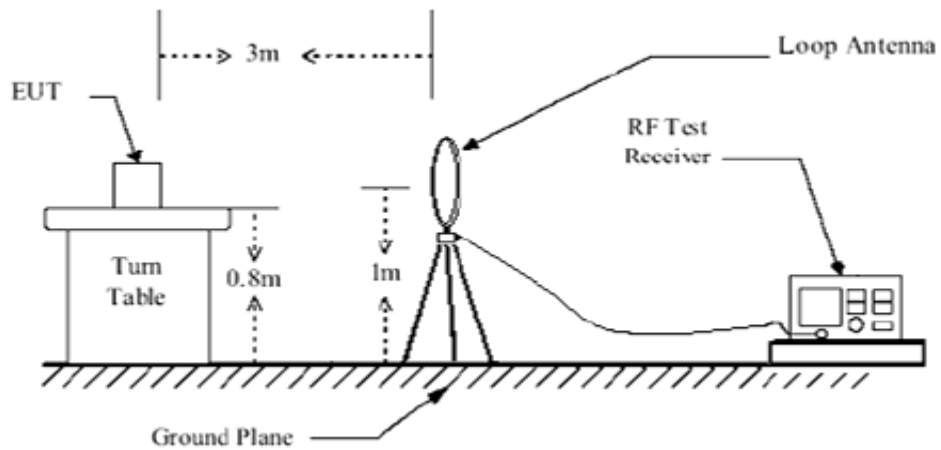
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

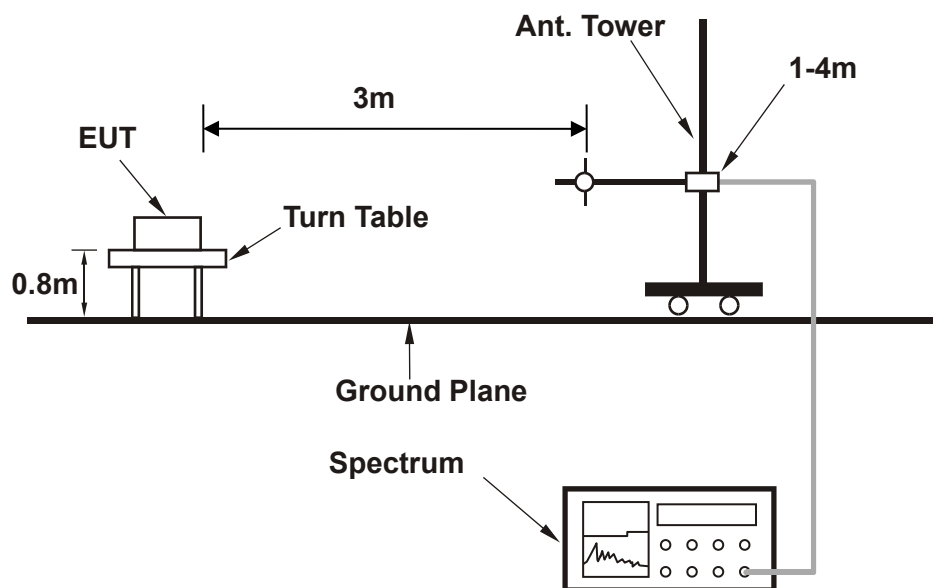
No deviation

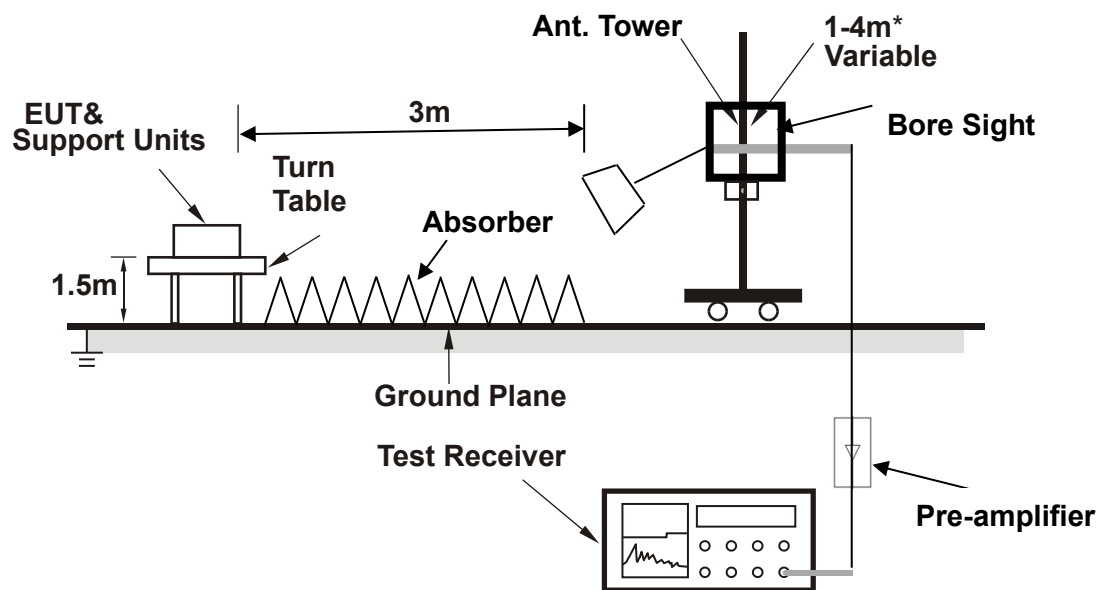
3.6.4 TEST SETUP

< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >





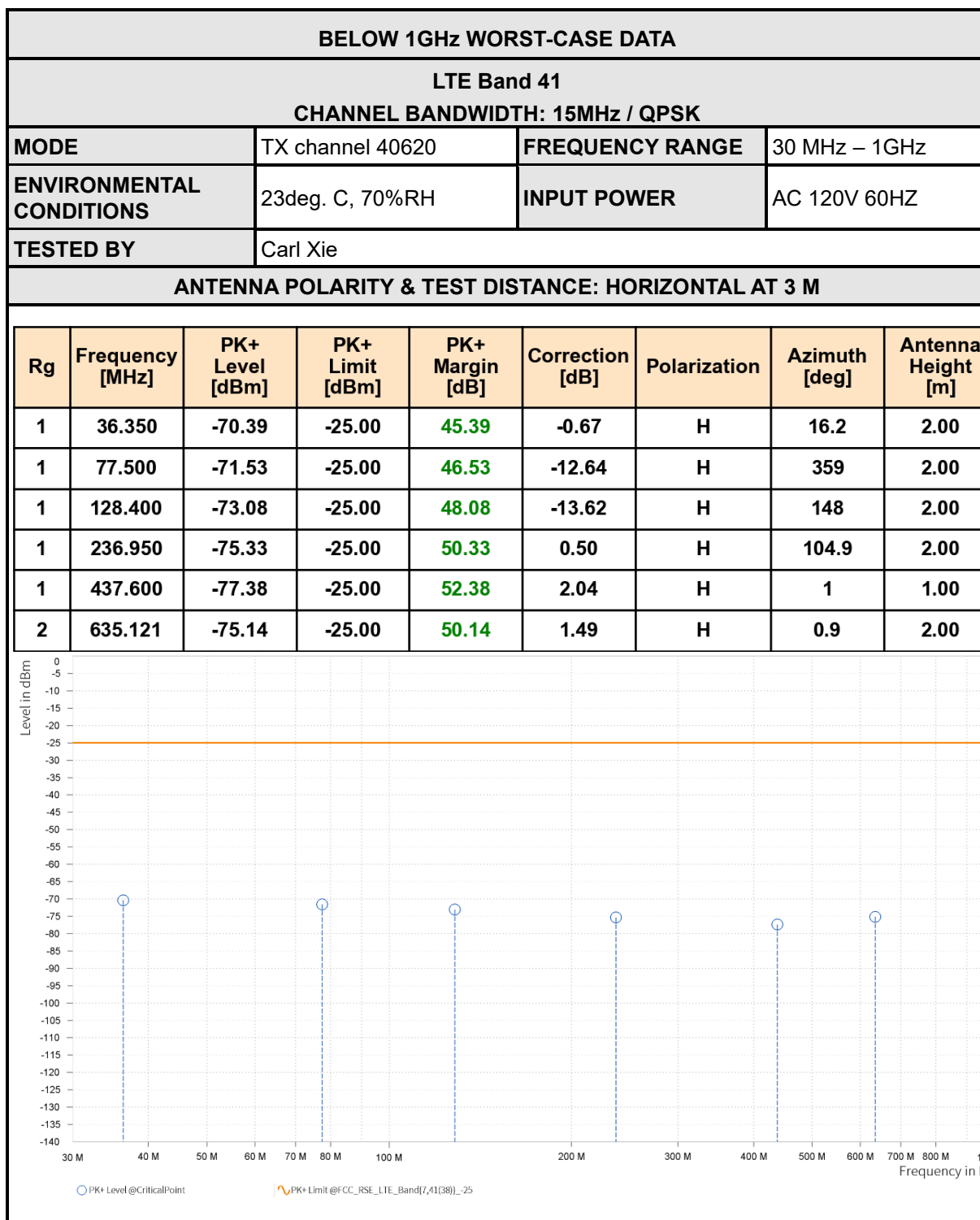
Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

Test Report No.: RF260714B009

3.6.5 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.



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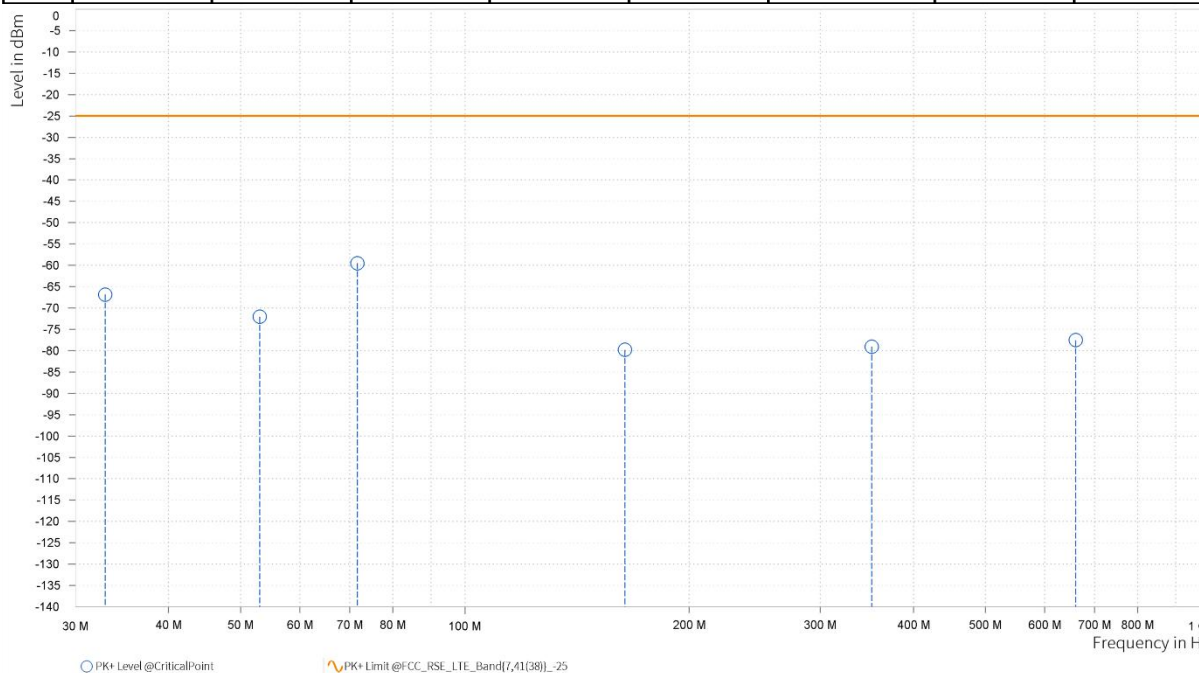
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260714B009

MODE	TX channel 40620	FREQUENCY RANGE	30 MHz – 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V 60HZ
TESTED BY	Carl Xie		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	32.900	-66.83	-25.00	41.83	-6.55	V	131.9	1.00
1	53.050	-72.07	-25.00	47.07	-7.23	V	327.9	1.00
1	71.700	-59.48	-25.00	34.48	-8.55	V	355.2	2.00
1	163.950	-79.80	-25.00	54.80	-10.87	V	327.9	1.00
1	351.600	-79.06	-25.00	54.06	-0.36	V	357.2	1.00
2	660.329	-77.53	-25.00	52.53	-0.19	V	359.1	1.00



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ABOVE 1GHz

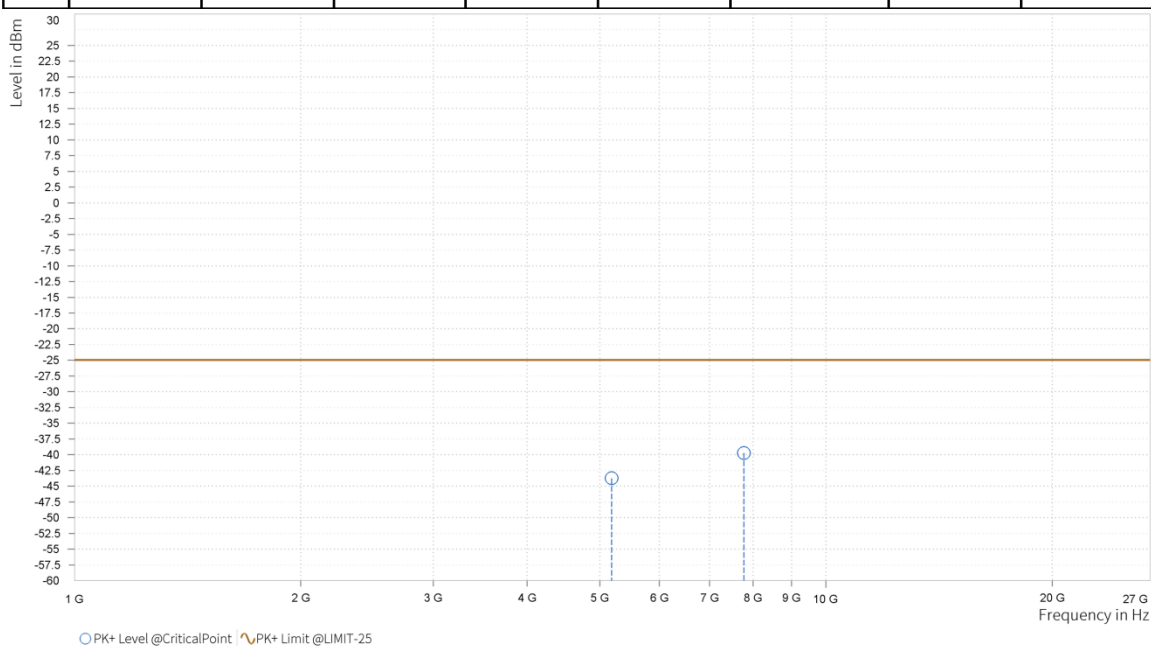
Note: For higher frequency, the emission is too low to be detected.

LTE BAND 41-ANT0

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

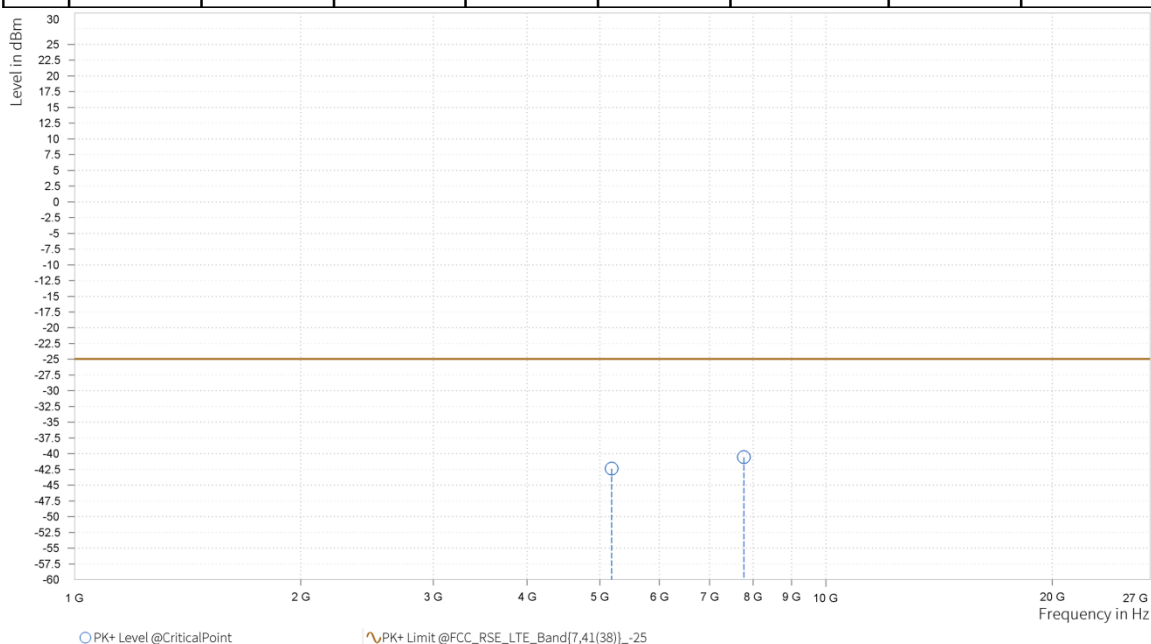
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,182.000	-43.75	-25.00	18.75	31.72	H	1	1.00
4	7,772.000	-39.72	-25.00	14.72	36.49	H	359.1	1.00



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

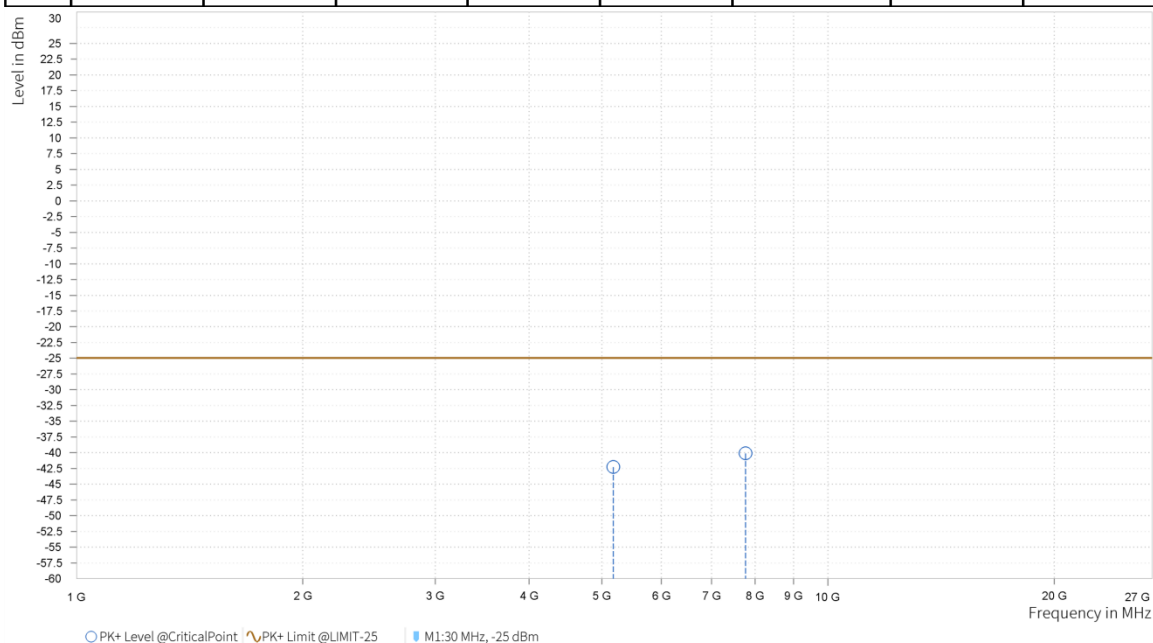
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,182.000	-42.38	-25.00	17.38	31.66	V	359	2.00
4	7,772.000	-40.57	-25.00	15.57	36.54	V	327	1.00



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

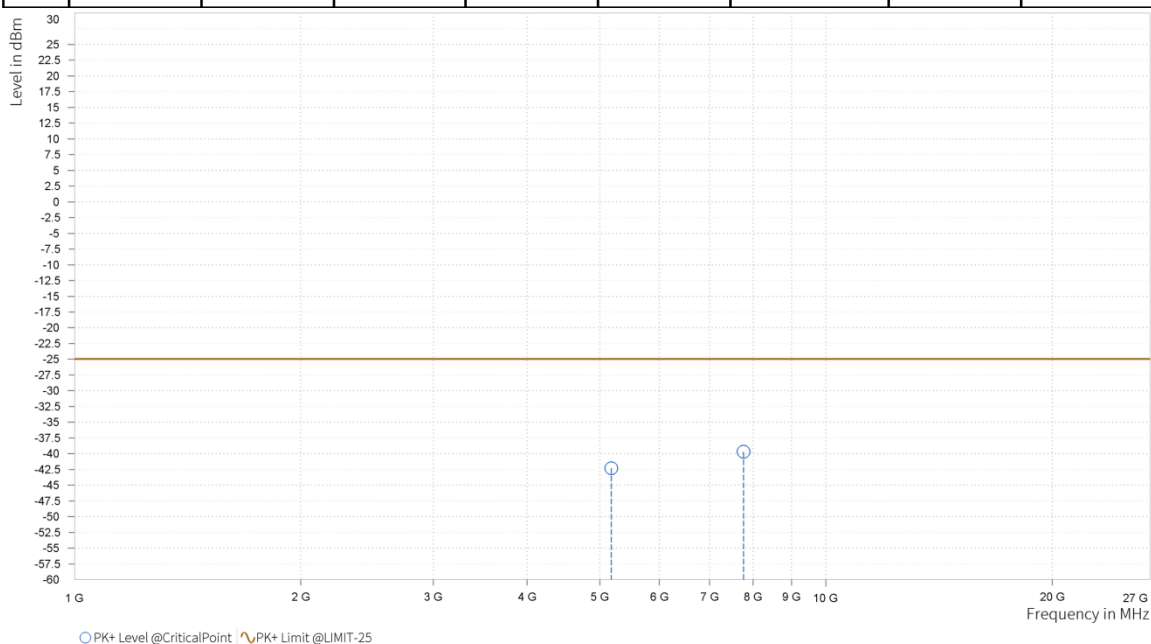
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,177.000	-42.29	-25.00	17.29	31.83	H	0.9	2.00
4	7,766.000	-40.10	-25.00	15.10	36.81	H	1	1.00



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,177.000	-42.29	-25.00	17.29	31.76	V	334.1	1.00
4	7,766.000	-39.69	-25.00	14.69	36.84	V	359	2.00

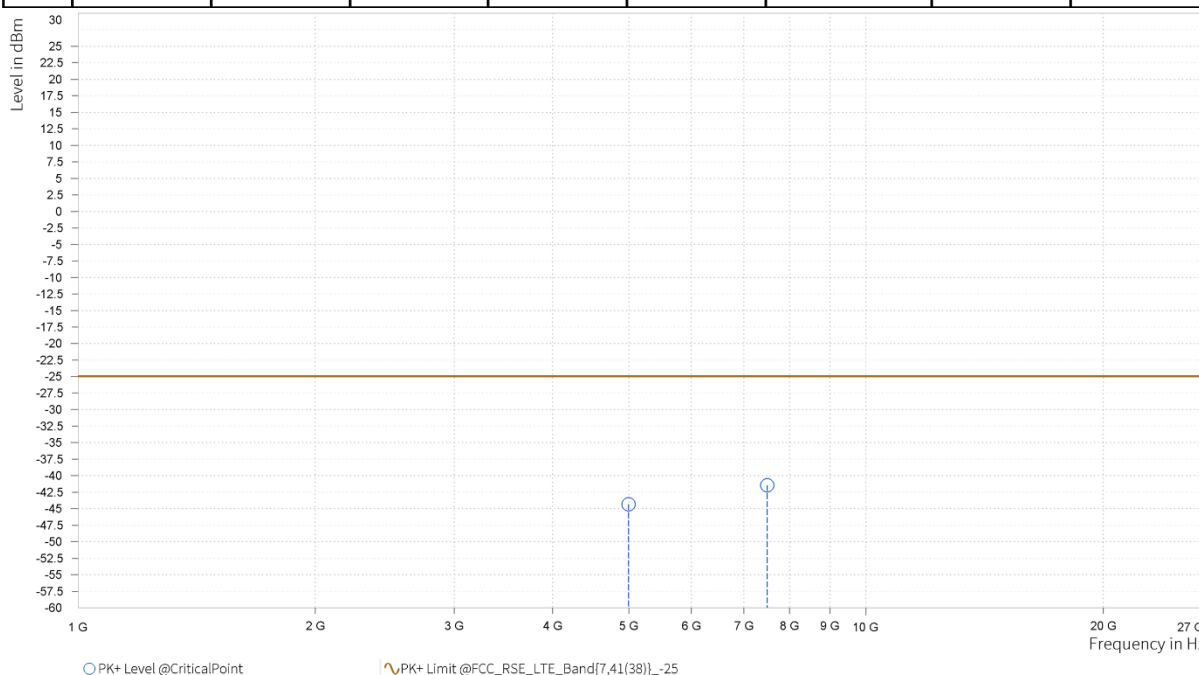


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 39725
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

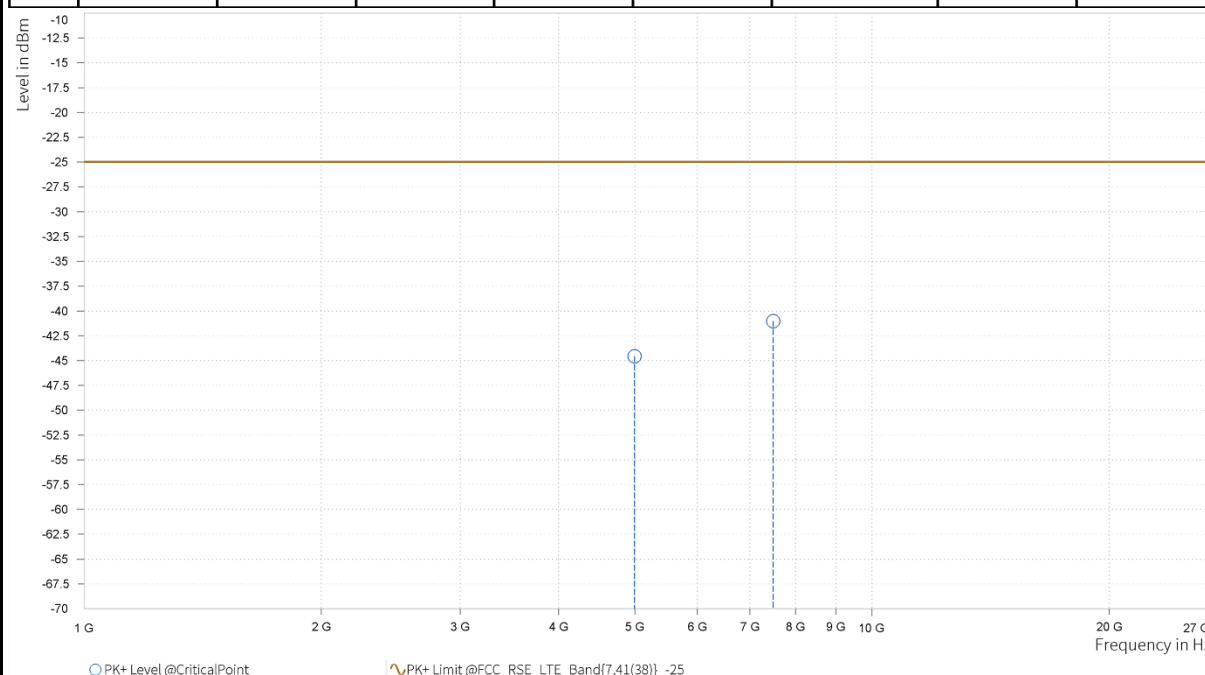
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,994.000	-44.33	-25.00	19.33	30.09	H	359.1	1.00
4	7,490.000	-41.45	-25.00	16.45	35.12	H	359	2.00



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 39725
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,994.000	-44.55	-25.00	19.55	29.95	V	260	1.00
4	7,490.000	-41.02	-25.00	16.02	35.31	V	0.9	2.00

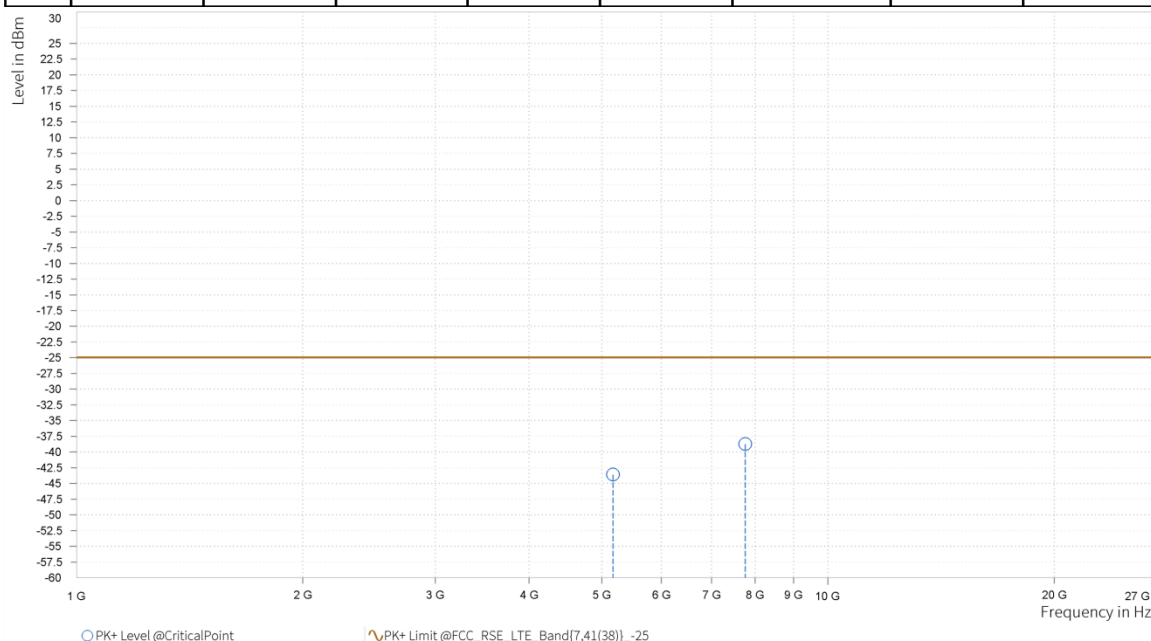


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,173.000	-43.60	-25.00	18.60	31.89	H	359	2.00
4	7,759.000	-38.74	-25.00	13.74	37.10	H	359	1.00



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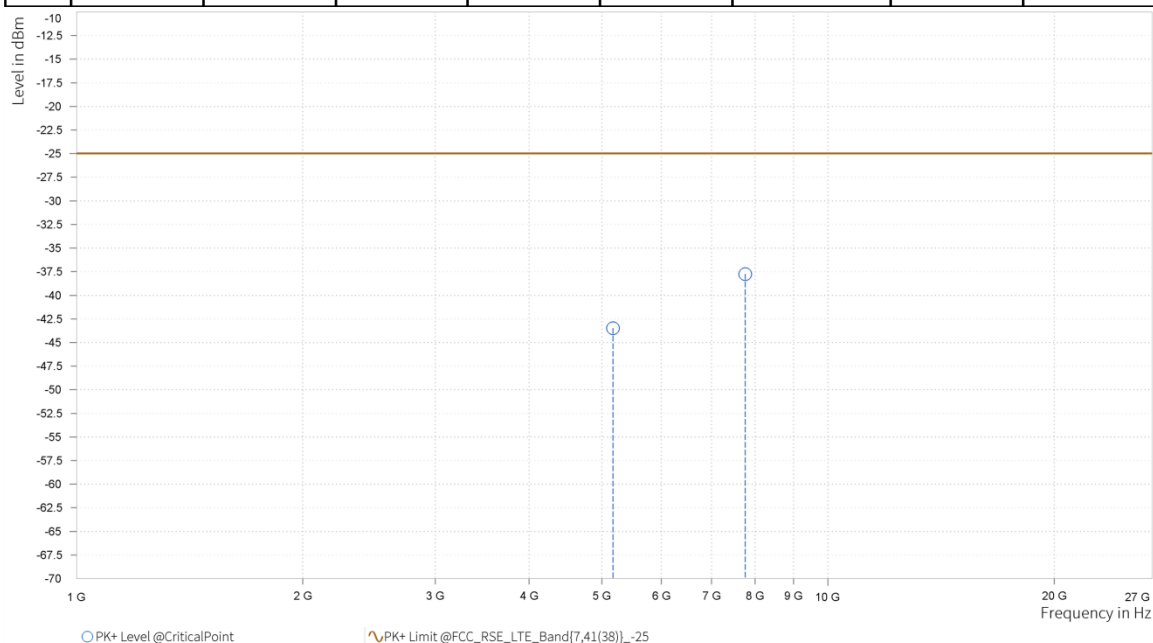
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Email:shimin.wang@boomwavelab.com

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CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,173.000	-43.48	-25.00	18.48	31.82	V	0.9	2.00
4	7,759.000	-37.75	-25.00	12.75	37.13	V	0.9	2.00



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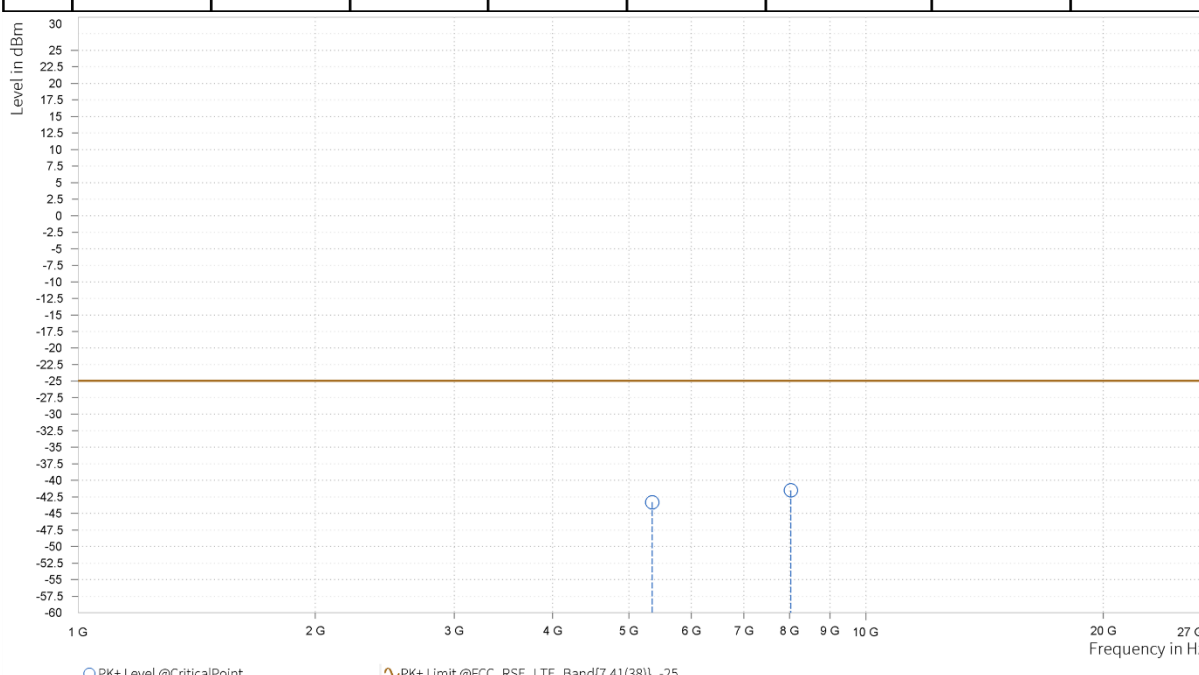
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CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 41515
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,352.000	-43.32	-25.00	18.32	32.92	H	354.9	1.00
6	8,027.000	-41.53	-25.00	16.53	21.43	H	359.1	1.00

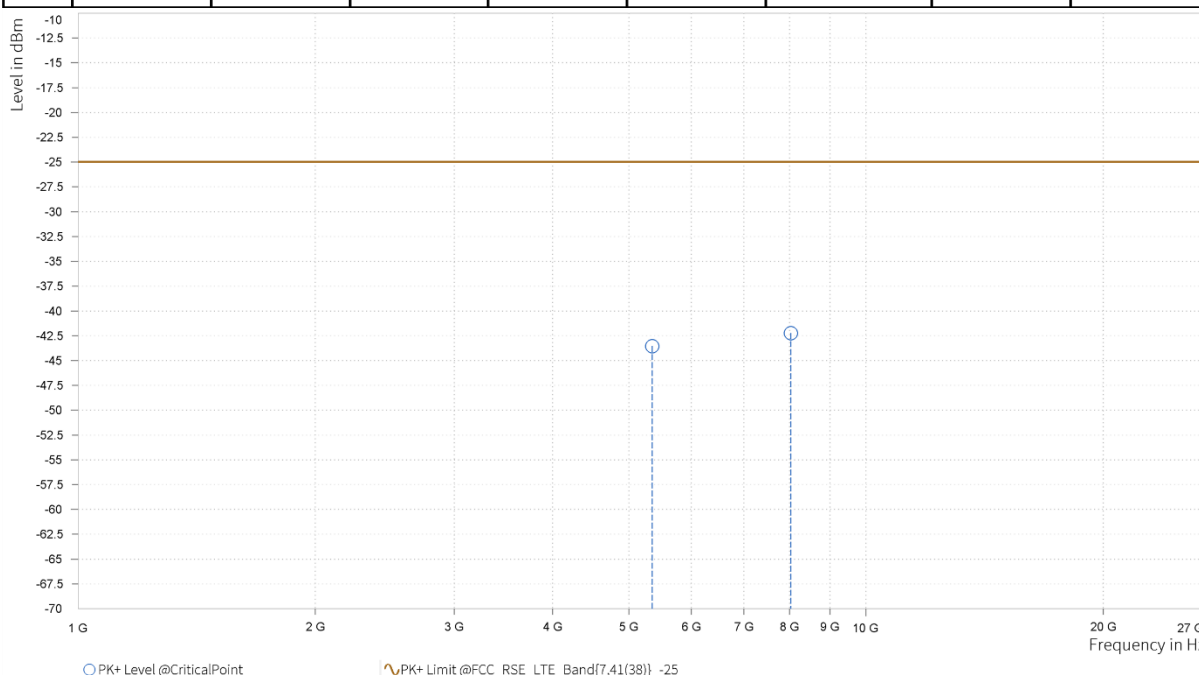


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 41515
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,352.000	-43.55	-25.00	18.55	32.76	V	359.1	1.00
6	8,027.000	-42.24	-25.00	17.24	21.41	V	359	2.00



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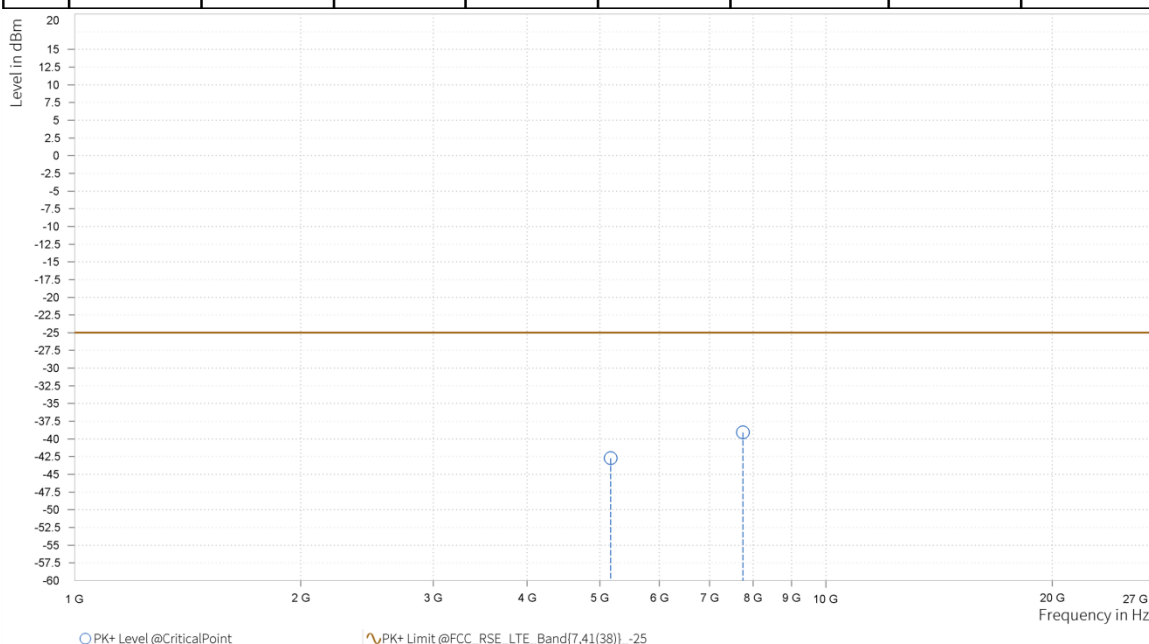
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CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

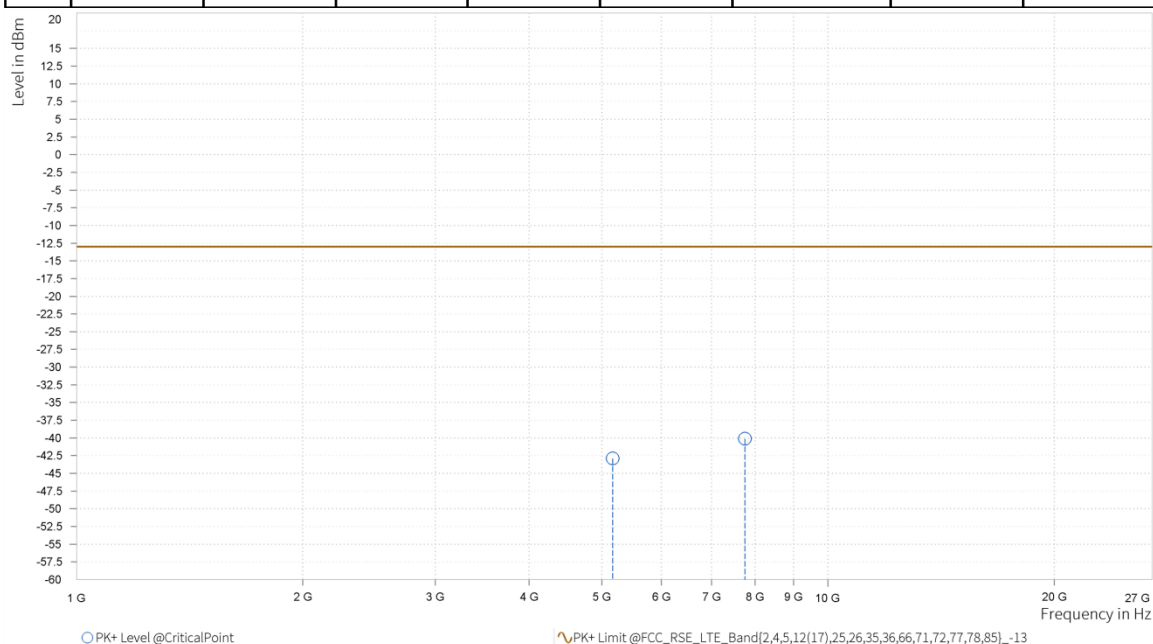
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,168.000	-42.71	-25.00	17.71	31.98	H	359	2.00
4	7,752.000	-39.08	-25.00	14.08	36.47	H	0.9	2.00

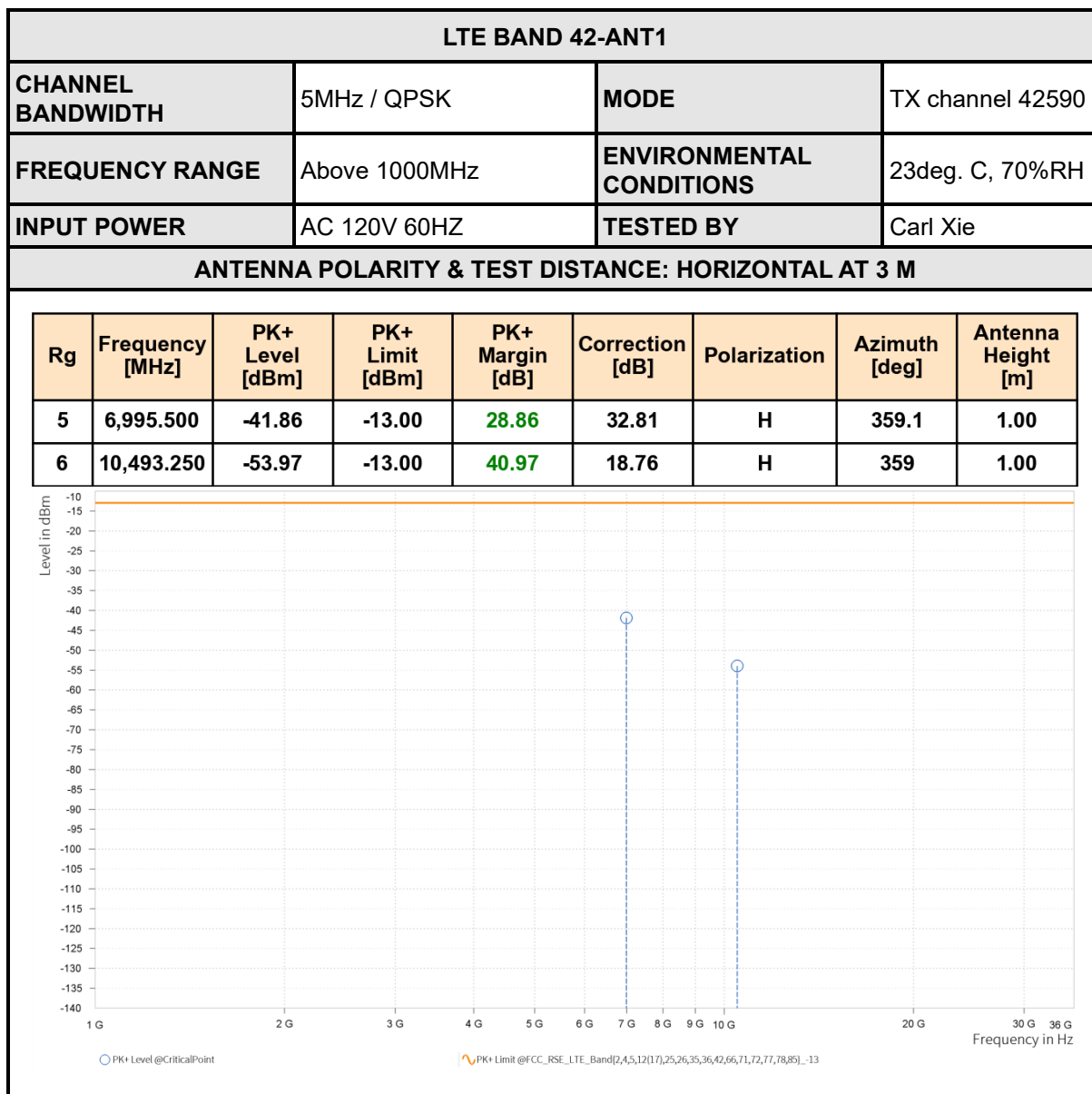


CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,168.000	-42.90	-25.00	17.90	31.90	V	349.4	1.00
4	7,752.000	-40.11	-25.00	15.11	36.50	V	120.2	2.00



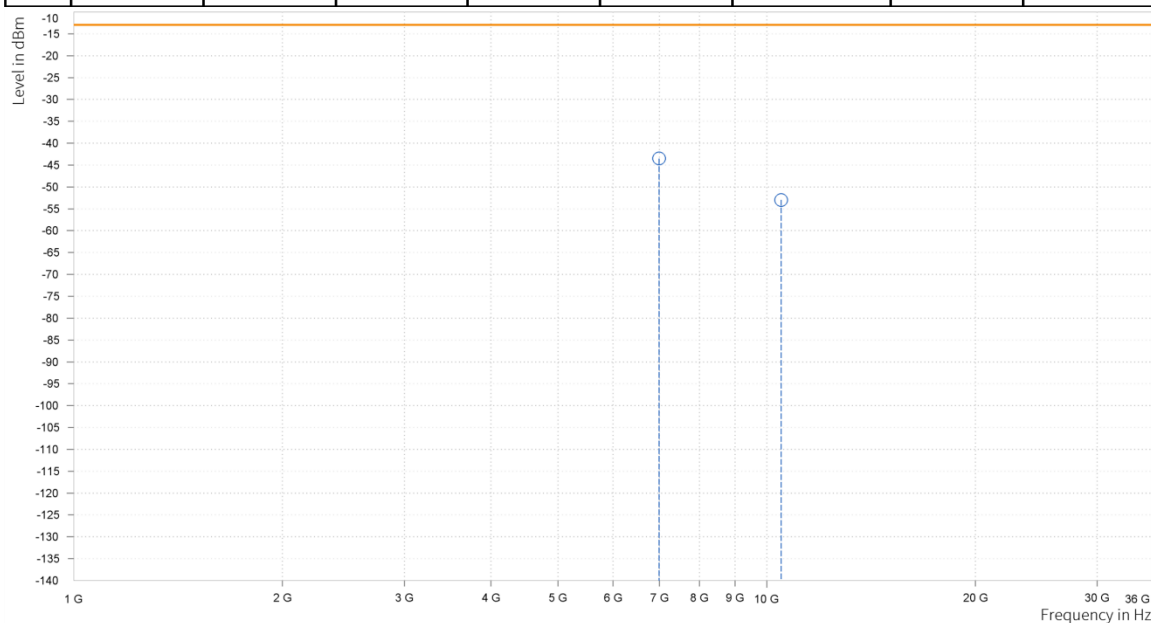


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

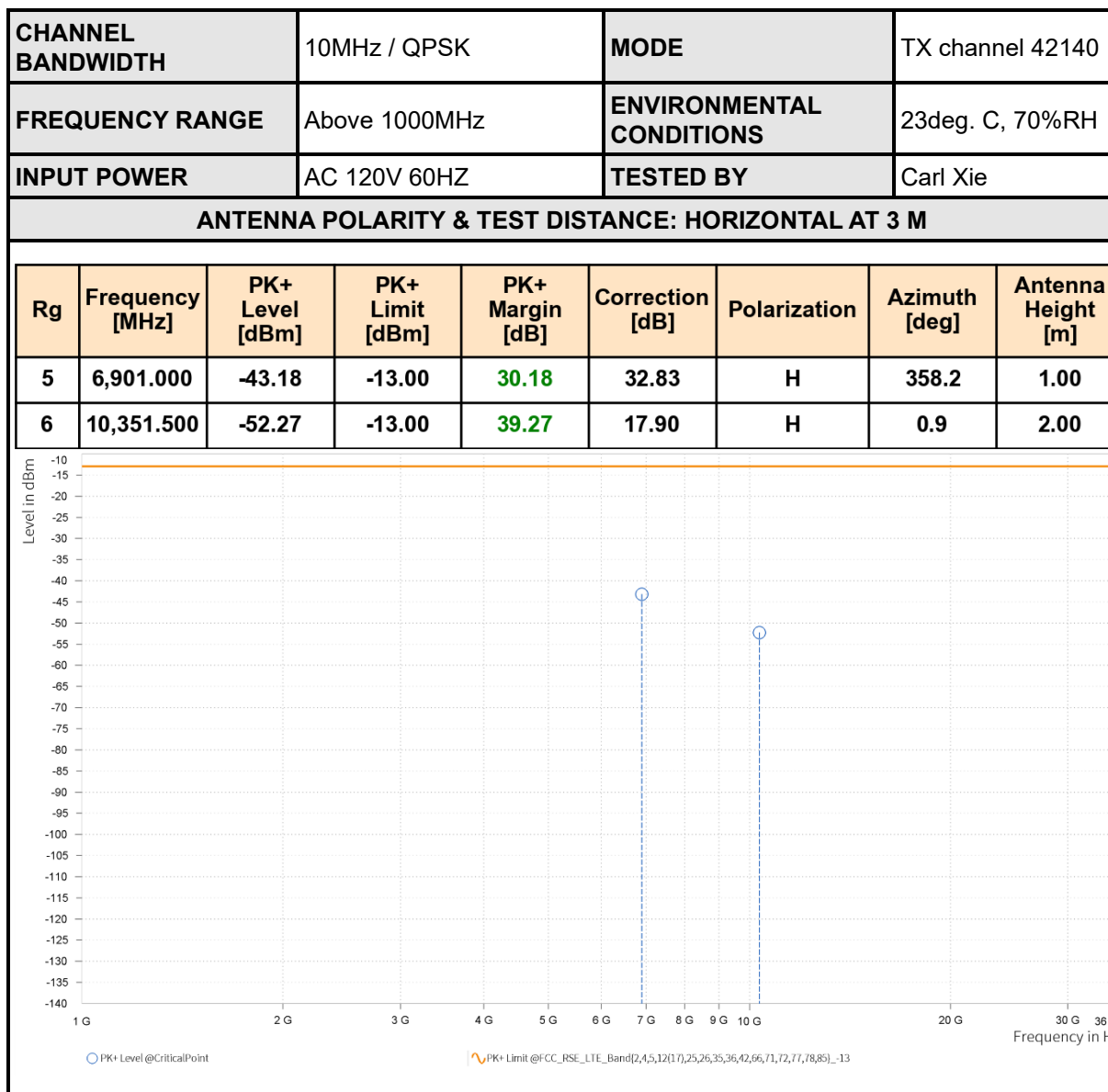
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,995.500	-43.49	-13.00	30.49	32.86	V	358.1	1.00
6	10,493.250	-52.97	-13.00	39.97	18.50	V	359.1	1.00



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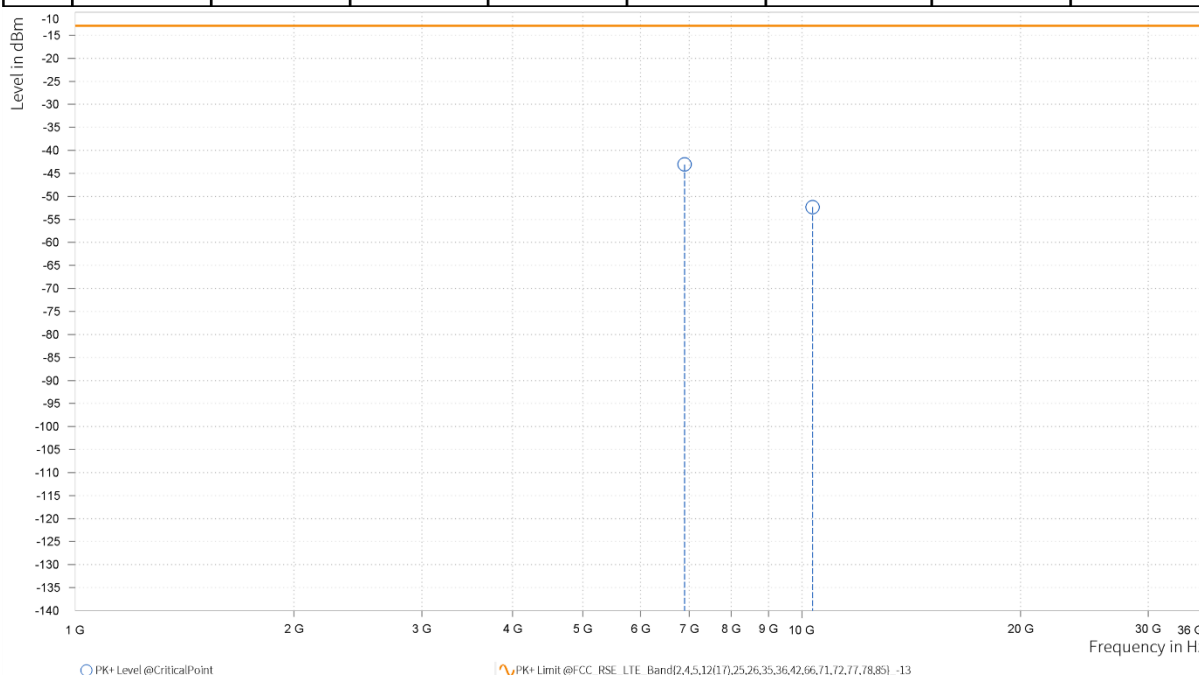


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 42140
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,901.000	-43.06	-13.00	30.06	32.78	V	358.1	1.00
6	10,351.500	-52.33	-13.00	39.33	17.61	V	251.4	1.00



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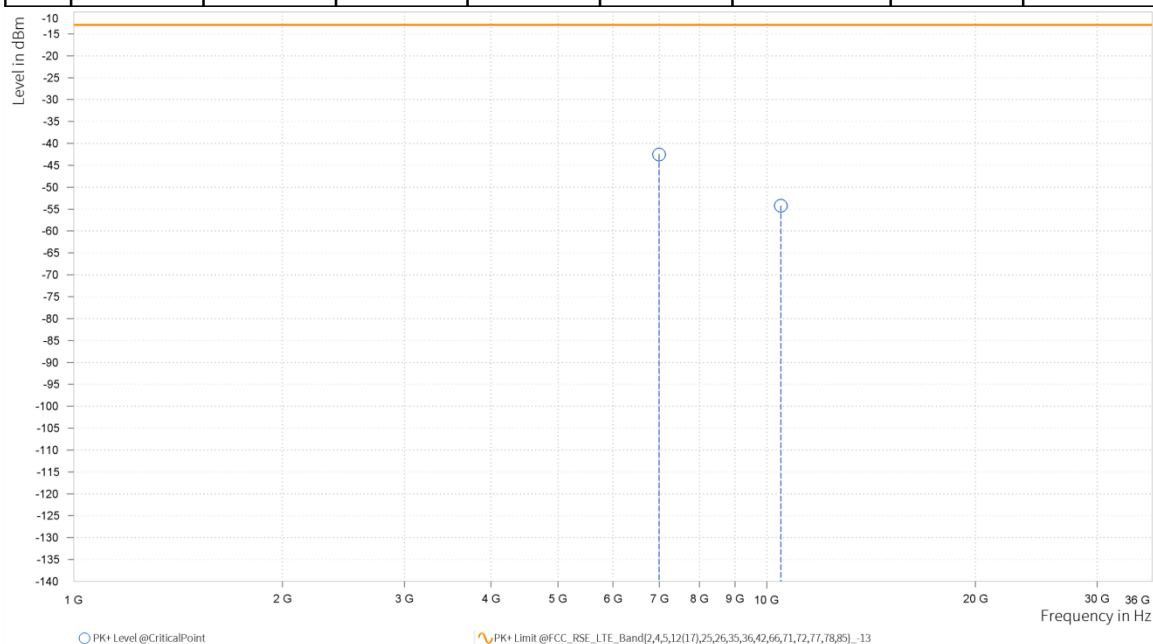
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CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,991.000	-42.52	-13.00	29.52	32.81	H	359.1	1.00
6	10,486.500	-54.21	-13.00	41.21	18.72	H	359.1	1.00



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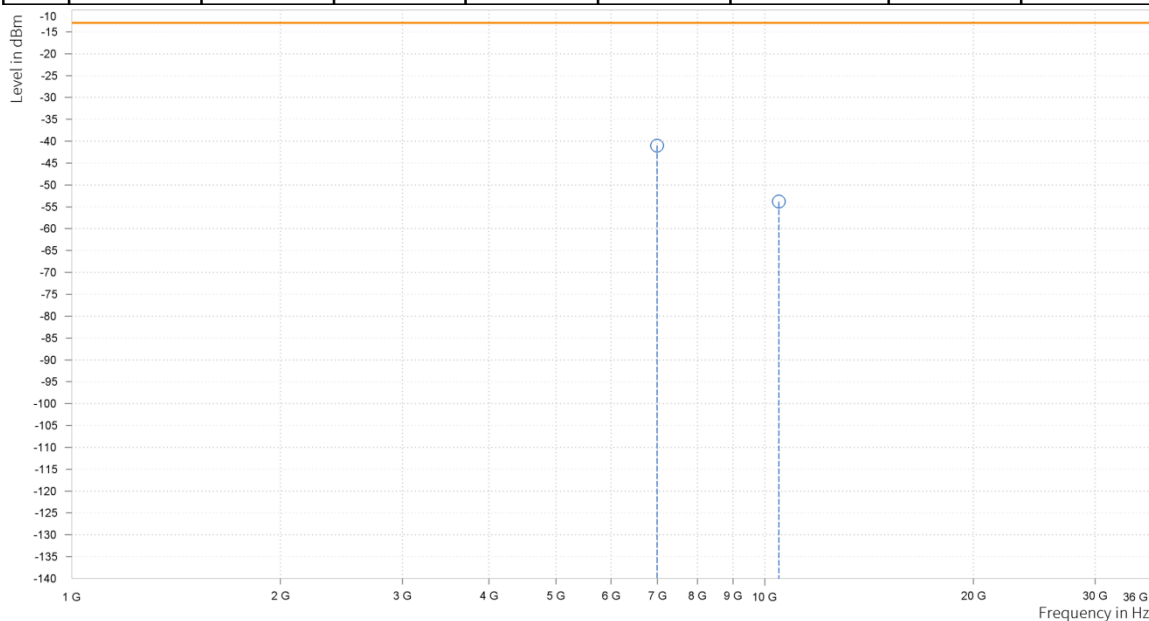
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260714B009

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

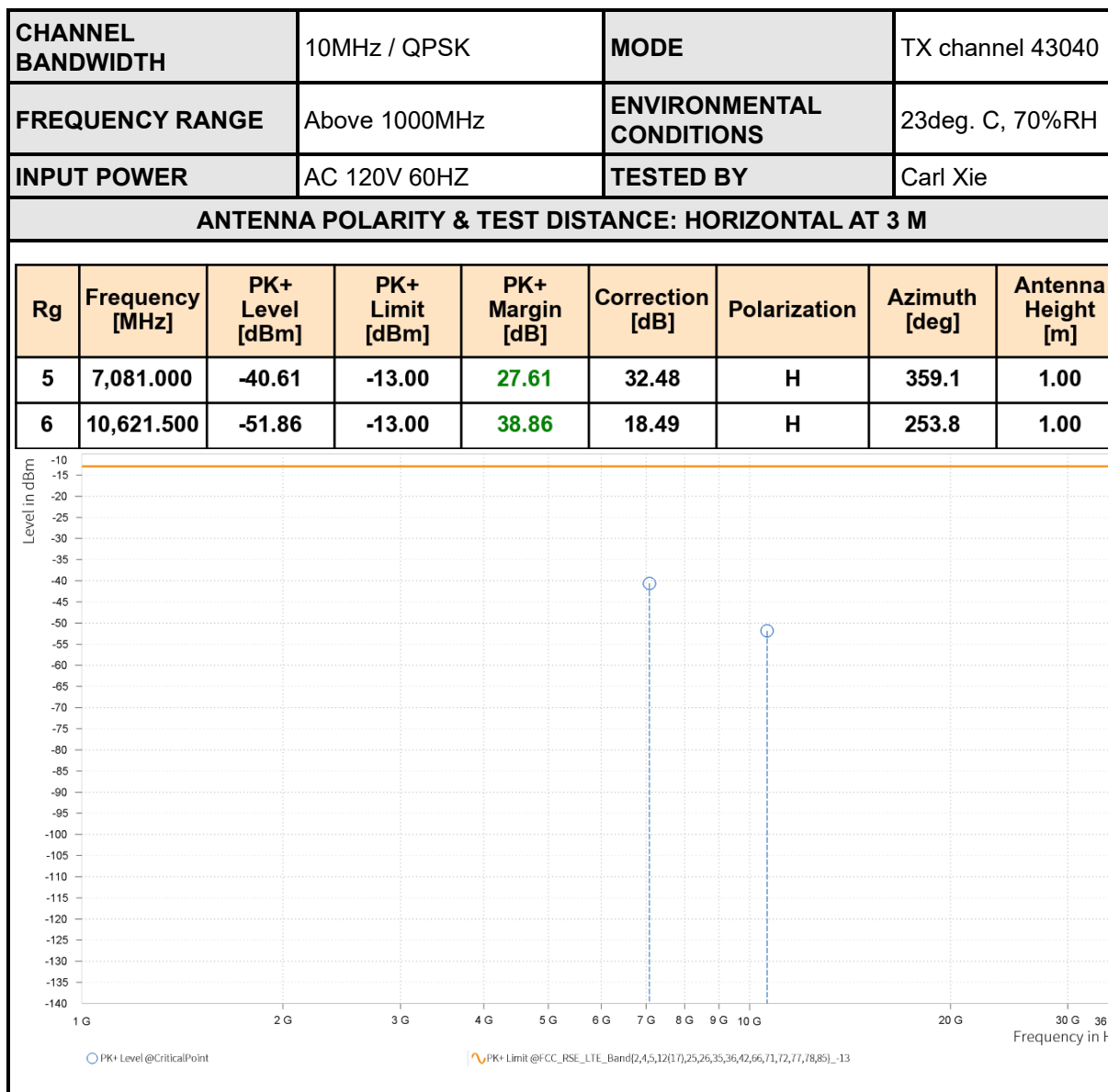
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,991.000	-41.00	-13.00	28.00	32.85	V	1.7	2.00
6	10,486.500	-53.82	-13.00	40.82	18.47	V	0.9	2.00



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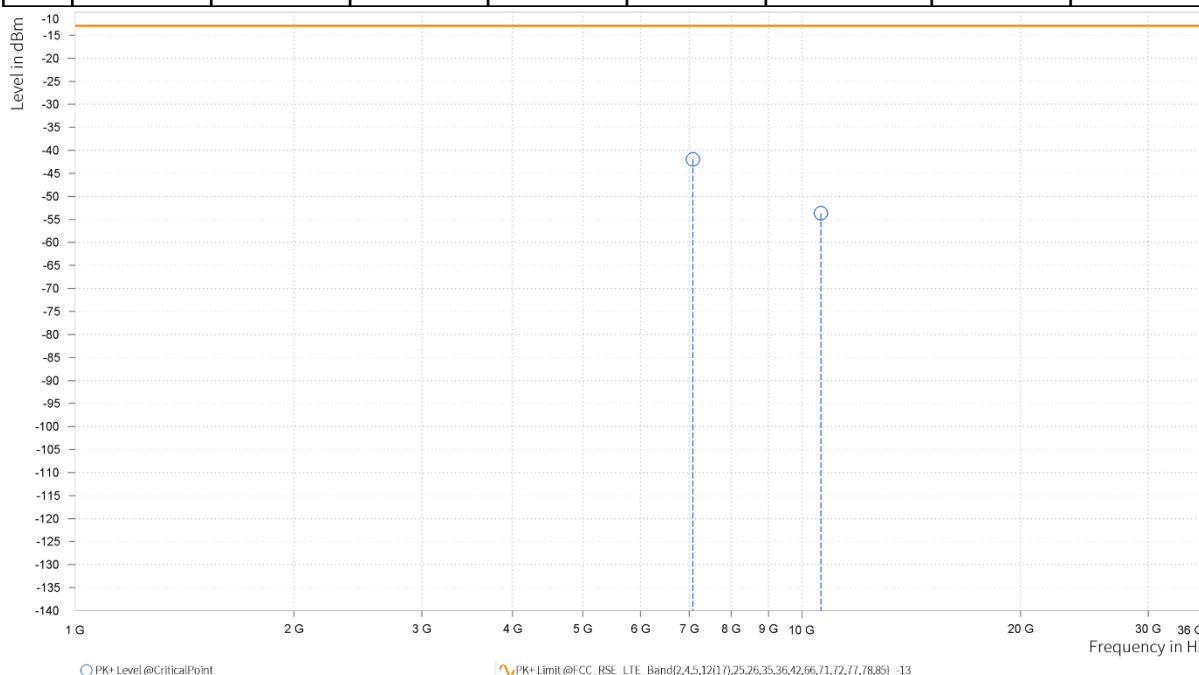


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 43040
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,081.000	-41.97	-13.00	28.97	32.23	V	358.2	1.00
6	10,621.500	-53.68	-13.00	40.68	18.16	V	359.1	1.00



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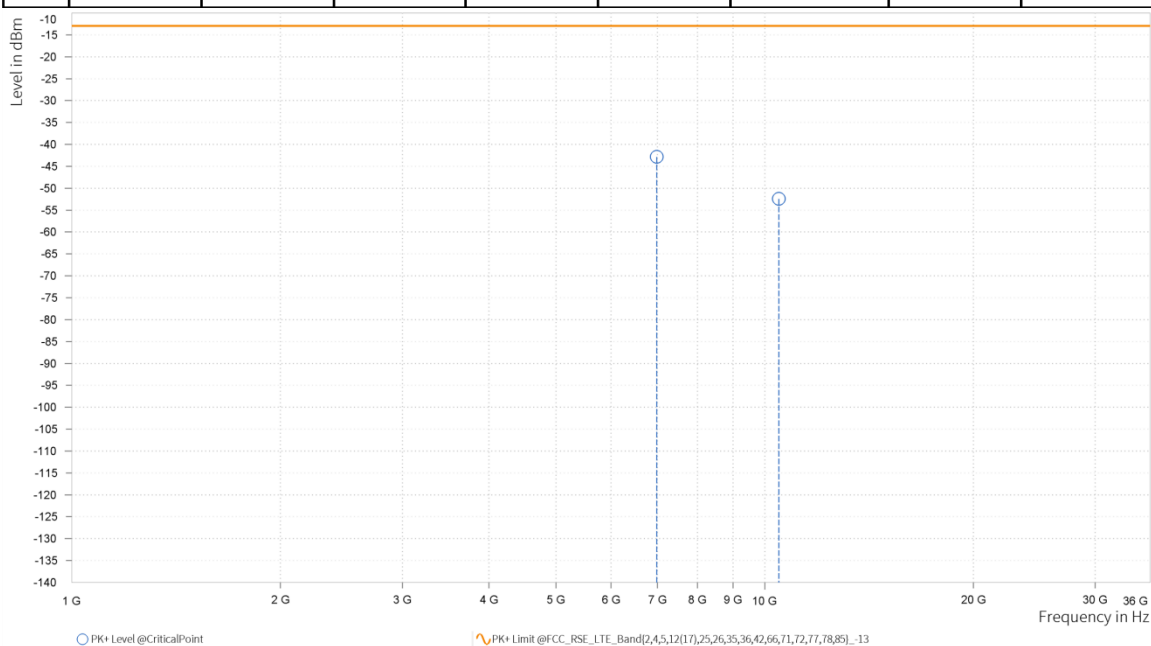
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CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

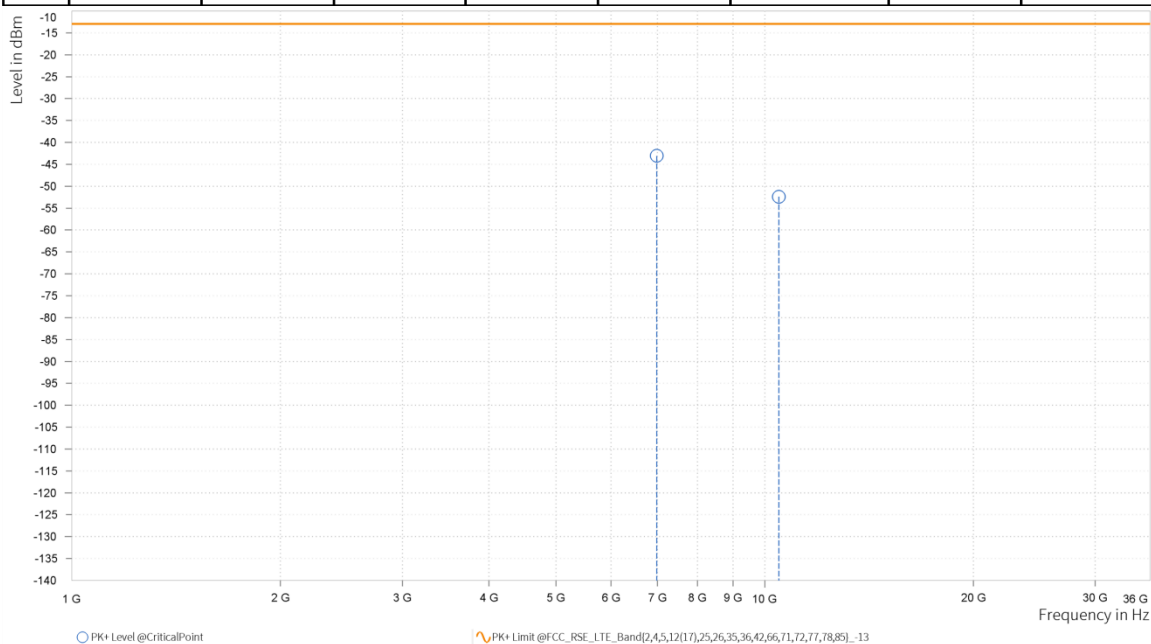
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,986.500	-42.83	-13.00	29.83	32.80	H	359	2.00
6	10,479.750	-52.44	-13.00	39.44	18.68	H	359.1	1.00



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

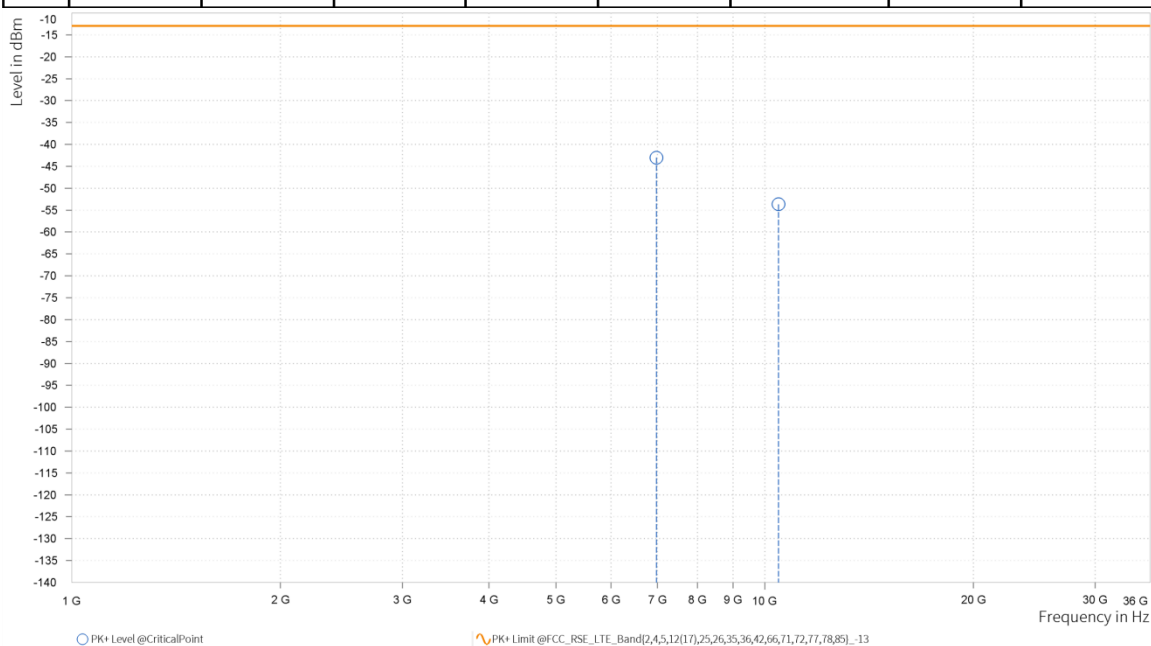
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,986.500	-43.06	-13.00	30.06	32.85	V	1.9	2.00
6	10,479.750	-52.40	-13.00	39.40	18.44	V	0.9	2.00



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,982.000	-43.04	-13.00	30.04	32.80	H	358.6	1.00
6	10,473.000	-53.67	-13.00	40.67	18.64	H	359.1	1.00

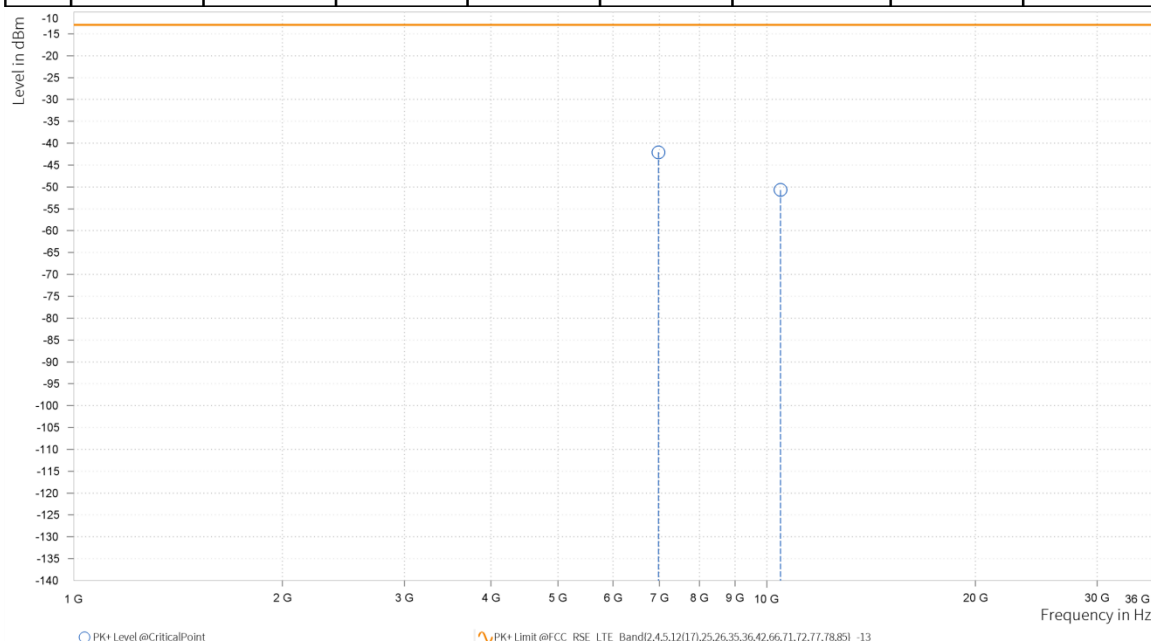


Test Report No.: RF260714B009

CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 42590
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	6,982.000	-42.08	-13.00	29.08	32.84	V	30.9	2.00
6	10,473.000	-50.70	-13.00	37.70	18.42	V	359.1	1.00

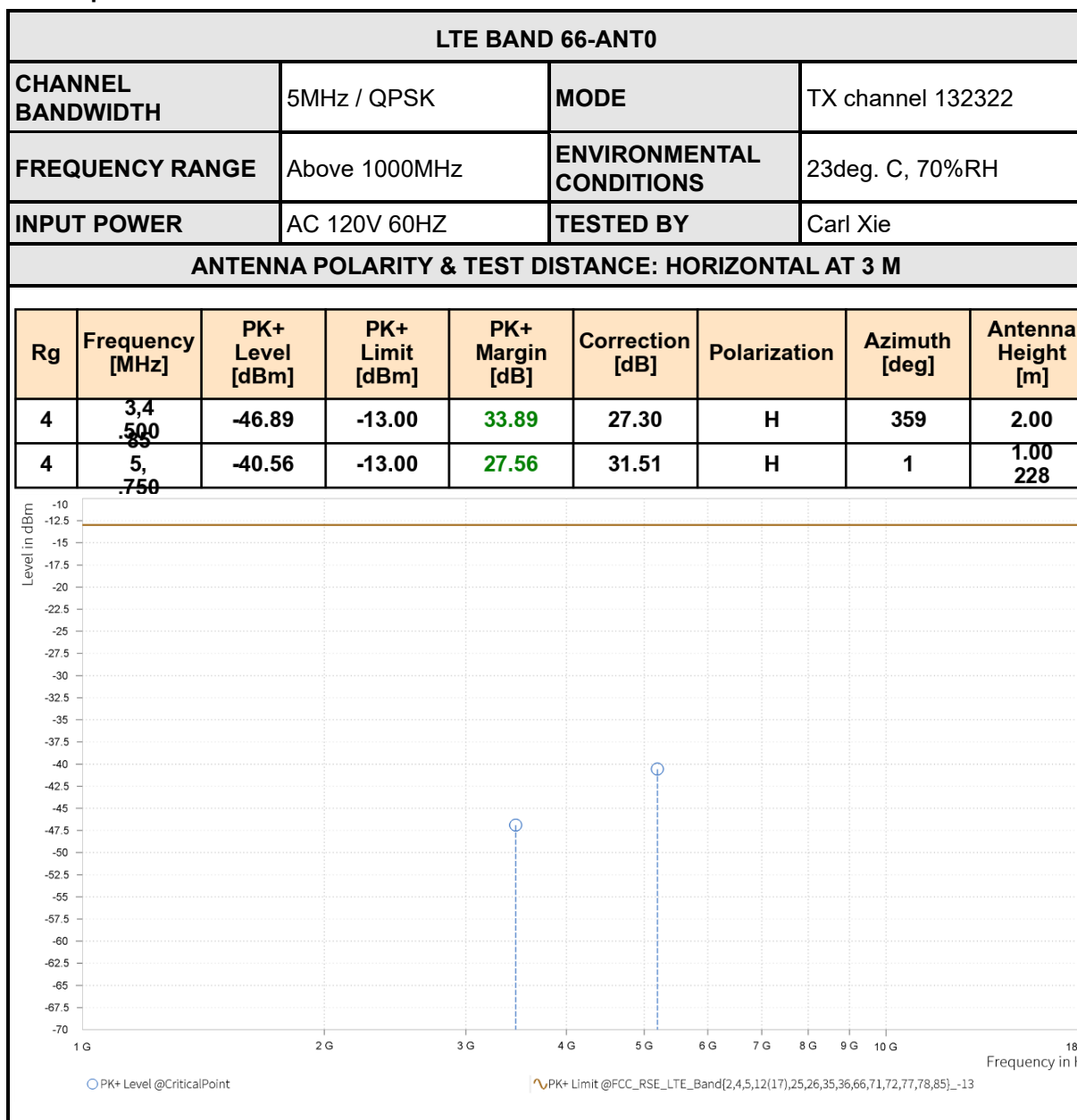


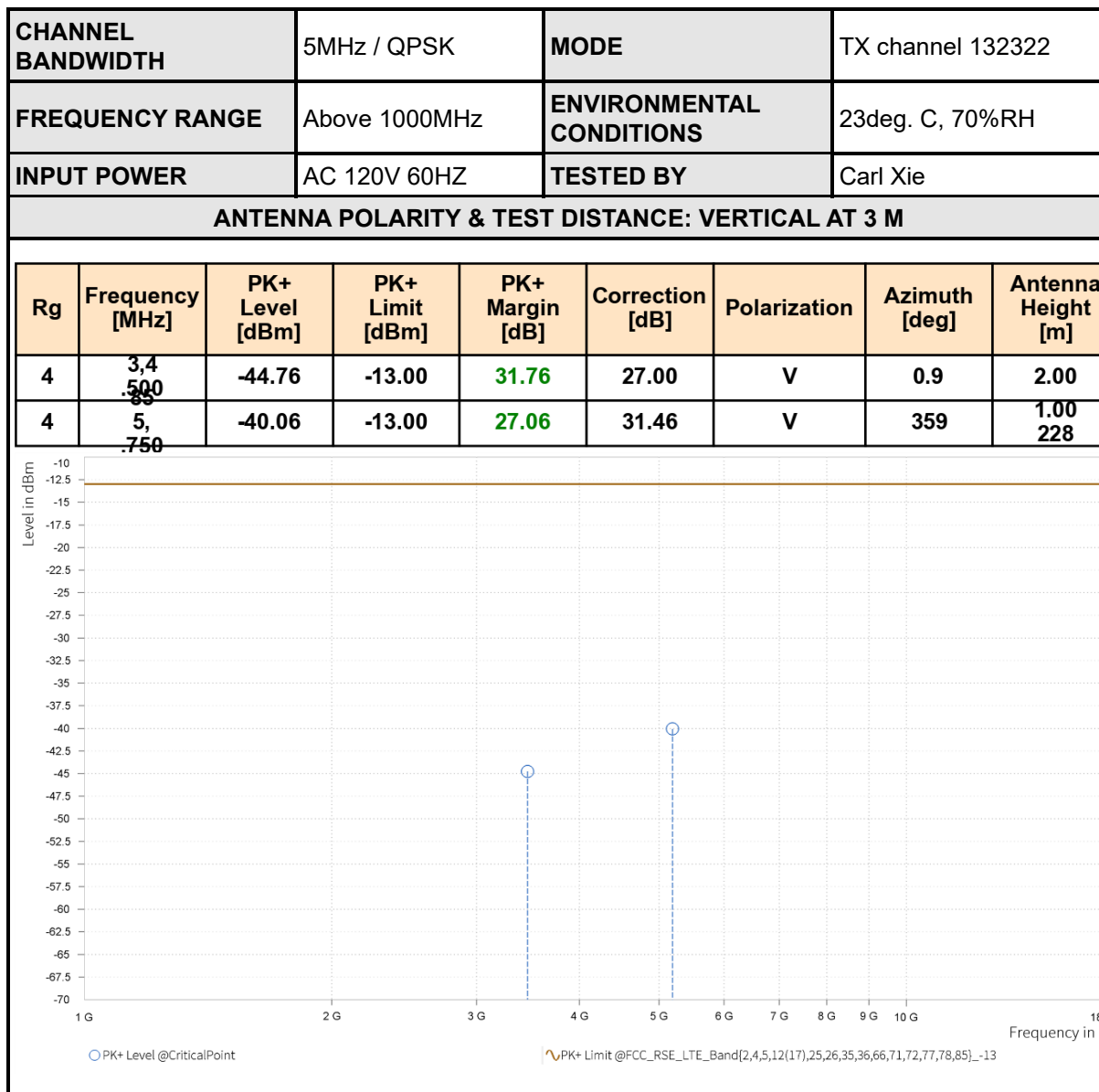
BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

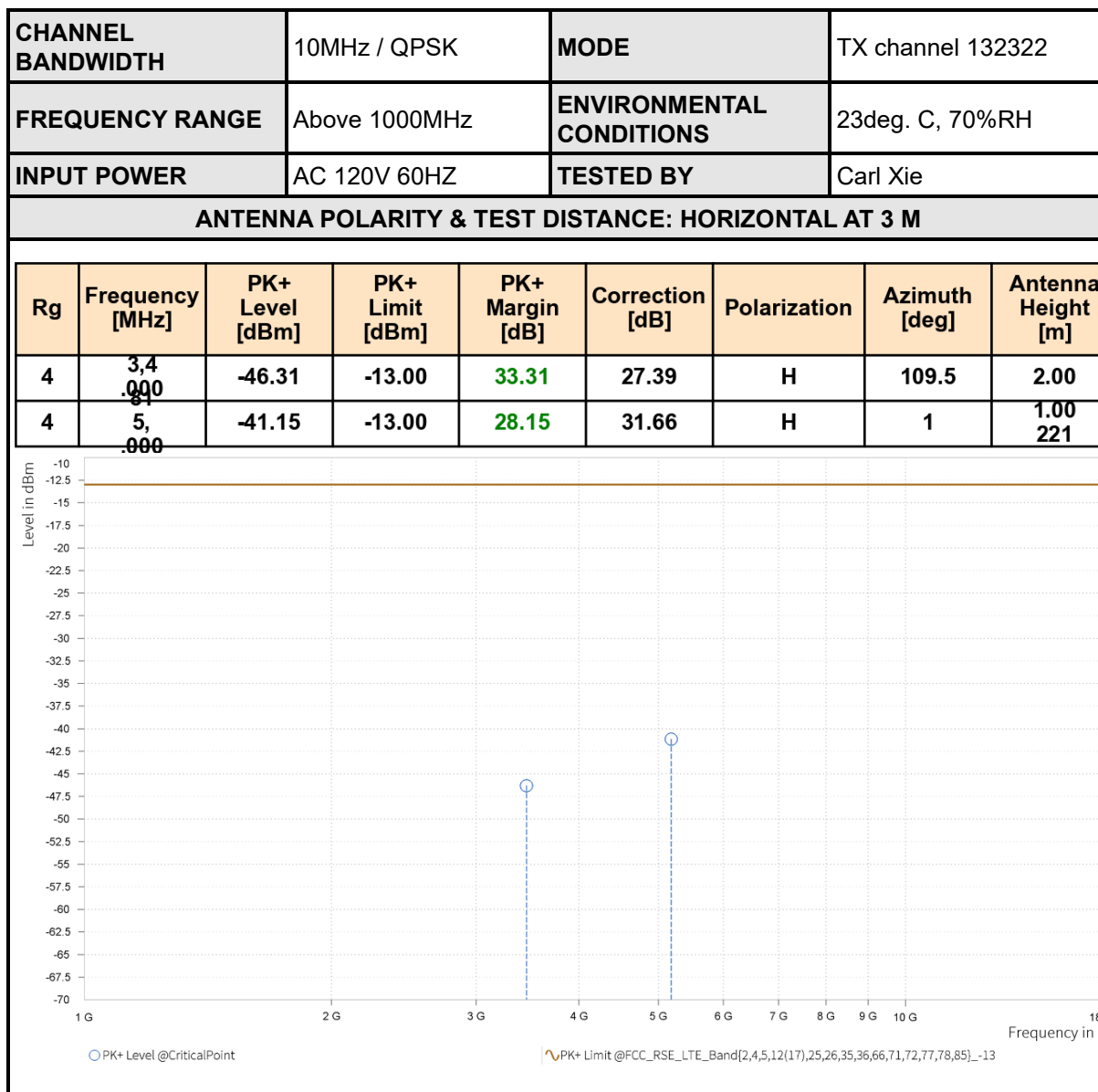
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

Test Report No.: RF260714B009





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CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,400.000	-45.93	-13.00	32.93	27.09	V	113.2	2.00
4	5,000.000	-39.79	-13.00	26.79	31.60	V	1	1.00

