



BUREAU  
VERITAS

Test Report No.: PSU-QBJ2508070215RF02



Certificate #6613.01

# FCC TEST REPORT (PART 24)

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	REDMI
Model Name:	2510DRA23L
FCC ID	2AFZZRA23L
Date of tests	Aug. 11, 2025 ~ Aug. 30, 2025

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

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> <b>FCC PART 24, Subpart E</b> | <input checked="" type="checkbox"/> <b>ANSI/TIA/EIA-603-E</b> |
| <input checked="" type="checkbox"/> <b>FCC PART 2</b>             | <input checked="" type="checkbox"/> <b>ANSI C63.26-2015</b>   |
| <input checked="" type="checkbox"/> <b>ANSI/TIA/EIA-603-D</b>     |   |

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

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
Date: Aug. 30, 2025	Date: Aug. 30, 2025

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

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**VERITAS**

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-QBJ2508070215RF02	Original release	Aug. 30, 2025



# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

<b>APPLIED STANDARD: FCC Part 24 &amp; Part 2</b>			
<b>STANDARD SECTION</b>	<b>TEST TYPE</b>	<b>RESULT</b>	<b>Test lab*</b>
§2.1046	Conducted Output Power	Compliance	A
§24.232(c)	Equivalent Isotropic Radiated Power	Compliance	A
§2.1055 §24.235	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§24.232(d)	Peak to average ratio*	Compliance	A
§24.238(a)(b)	Band Edge Measurements	Compliance	A
§2.1051 §24.238(a)(b)	Conducted Spurious Emissions	Compliance	A
§2.1053 §24.238(a)(b)	Radiated Spurious Emissions	Compliance	A

## \*Test Lab Information Reference

### Lab A:

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

### Lab Address:

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

**Accredited Test Lab Cert 6613.01**

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

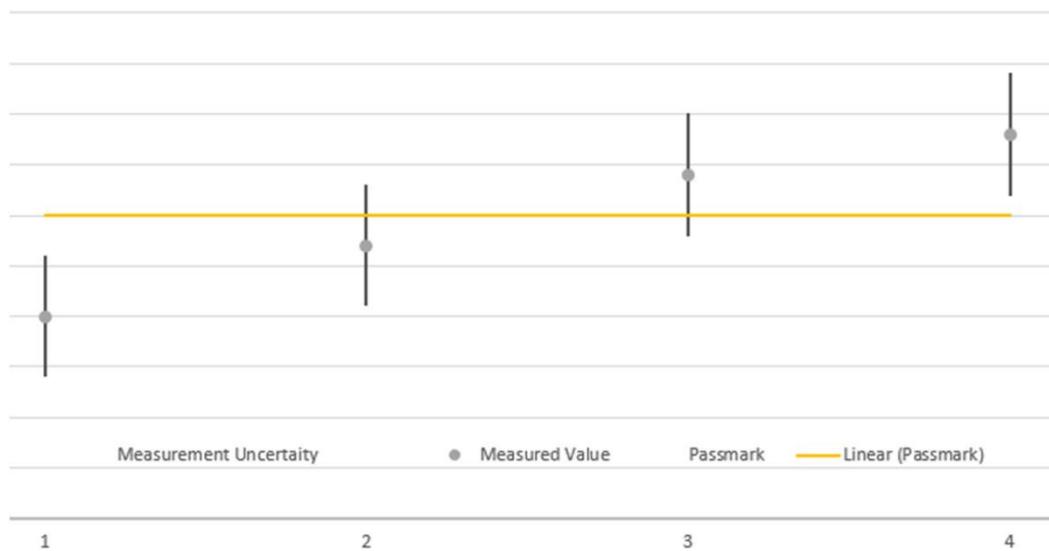


### 1.1 MEASUREMENT UNCERTAINTY

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

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

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



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

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

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



## 1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,23	Aug.29,25
Pre-Amplifier	R&S	SCU08F1	101028	Jan.22,24	Jan.21,26
Vector Signal Generator	R&S	SMBV100B	102176	Mar.29,24	Mar.28,26
Signal Generator	R&S	SMB100A	182185	Mar.29,24	Mar.28,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Aug.20,25	Aug.19,28
EMI TEST Receiver	R&S	ESR26	101734	Mar.28,24	Mar.27,26
EMI TEST Receiver	R&S	ESW44	101973	Mar.28,24	Mar.27,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Jul.04,25	Jul.03,27
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.20,25	Aug.19,27
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Jul.15,24	Jul.14,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Mar.22,25	Mar.21,27
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.22,25	Feb.21,27
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.19,24	Jun.18,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062787	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	N/A	N/A
DC Source	HYELEC	HY3010B	551016	Aug.31,23	Aug.30,25
Hygrothermograph	DELI	20210528	SZ014	Mar.18,25	Mar.17,27
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.26,25	Apr.25,26
CABLE	R&S	W12.14	N/A	Apr.26,25	Apr.25,26
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.26,25	Apr.25,26
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.26,25	Apr.25,26
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26



**NOTE:**

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



## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT*</b>	Mobile Phone	
<b>BRAND NAME*</b>	REDMI	
<b>MODEL NAME*</b>	2510DRA23L	
<b>NOMINAL VOLTAGE*</b>	5/3.6-11V dc (adapter or host equipment) 3.92Vdc (Li-ion, battery)	
<b>MODULATION TYPE*</b>	<b>GSM/GPRS:</b> GMSK <b>EDGE:</b> 8PSK <b>WCDMA:</b> QPSK, 16QAM <b>LTE Band 2/25:</b> QPSK, 16QAM, 64QAM	
<b>FREQUENCY RANGE</b>	<b>GPRS, EDGE</b>	1850.2MHz ~ 1909.8MHz
	<b>WCDMA</b>	1852.4MHz ~ 1907.6MHz
	<b>LTE Band 2 Channel Bandwidth: 1.4MHz</b>	1850.7MHz ~ 1909.3MHz
	<b>LTE Band 2 Channel Bandwidth: 3MHz</b>	1851.5MHz ~ 1908.5MHz
	<b>LTE Band 2 Channel Bandwidth: 5MHz</b>	1852.5MHz ~ 1907.5MHz
	<b>LTE Band 2 Channel Bandwidth: 10MHz</b>	1855.0MHz ~ 1905.0MHz
	<b>LTE Band 2 Channel Bandwidth: 15MHz</b>	1857.5MHz ~ 1902.5MHz
	<b>LTE Band 2 Channel Bandwidth: 20MHz</b>	1860.0MHz ~ 1900.0MHz
	<b>MAX. EIRP POWER</b>	<b>GSM/GPRS 1900</b>
Ant1: 685.49mW		
<b>EDGE 1900</b>		Ant0: 165.96mW
		Ant1: 294.44mW
<b>WCDMA</b>		Ant0: 110.41mW
		Ant1: 190.11mW
<b>LTE Band 2 Channel Bandwidth: 1.4MHz</b>		Ant0: 128.82mW
		Ant1: 182.39mW
<b>LTE Band 2 Channel Bandwidth: 3MHz</b>		Ant0: 128.23mW
		Ant1: 185.35mW
<b>LTE Band 2 Channel Bandwidth: 5MHz</b>		Ant0: 127.94mW
		Ant1: 187.93mW
<b>LTE Band 2 Channel Bandwidth: 10MHz</b>	Ant0: 127.64mW	
	Ant1: 184.93mW	
<b>LTE Band 2</b>	Ant0: 128.53mW	



	<b>Channel Bandwidth: 15MHz</b>	Ant1: 185.35mW
	<b>LTE Band 2 Channel Bandwidth: 20MHz</b>	Ant0: 129.42mW Ant1: 188.36mW
<b>EMISSION DESIGNATOR</b>	<b>GPRS</b>	246KGXW
	<b>EDGE</b>	247KG7W
	<b>WCDMA</b>	4M16F9W
	<b>LTE Band 2 Channel Bandwidth: 1.4MHz</b>	QPSK: 1M10G7D
		16QAM: 1M10W7D
		64QAM: 1M10W7D
	<b>LTE Band 2 Channel Bandwidth: 3MHz</b>	QPSK: 2M69G7D
		16QAM: 2M69W7D
		64QAM: 2M69W7D
	<b>LTE Band 2 Channel Bandwidth: 5MHz</b>	QPSK: 4M51G7D
		16QAM: 4M51W7D
		64QAM: 4M51W7D
	<b>LTE Band 2 Channel Bandwidth: 10MHz</b>	QPSK: 8M99G7D
		16QAM: 8M99W7D
64QAM: 8M98W7D		
<b>LTE Band 2 Channel Bandwidth: 15MHz</b>	QPSK: 13M5G7D	
	16QAM: 13M5W7D	
	64QAM: 13M5W7D	
<b>LTE Band 2 Channel Bandwidth: 20MHz</b>	QPSK: 18M0G7D	
	16QAM: 18M0W7D	
	64QAM: 18M0W7D	
<b>ANTENNA GAIN*</b>	GSM1900	Ant0:-3.9dBi
		Ant1:-1.2dBi
	WCDMA II	Ant0:-3.9dBi
		Ant1:-1.2dBi
	LTE B2	Ant0:-3.5dBi
		Ant1:-1.2dBi
<b>ANTENNA TYPE*</b>	PIFA Antenna	
<b>HW VERSION*</b>	99007_1_12	
<b>SW VERSION*</b>	Xiaomi HyperOS 2.2	
<b>I/O PORTS*</b>	Refer to user's manual	
<b>CABLE SUPPLIED*</b>	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable3: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable4: non-shielded cable, with w/o ferrite core, 1.0 meter	



<b>EXTREME TEMPERATURE*</b>	0~40°C
<b>EXTREME VOLTAGE*</b>	3.6~4.5V

**NOTE:**

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

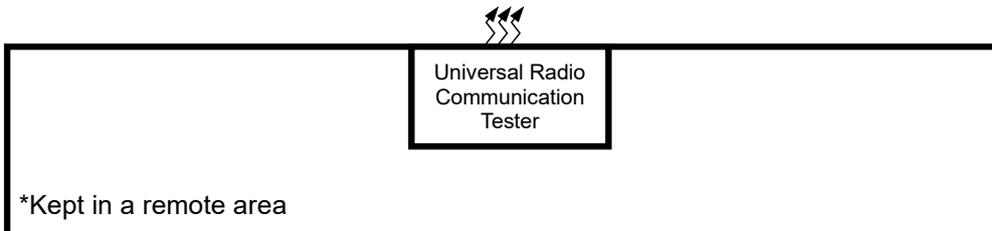
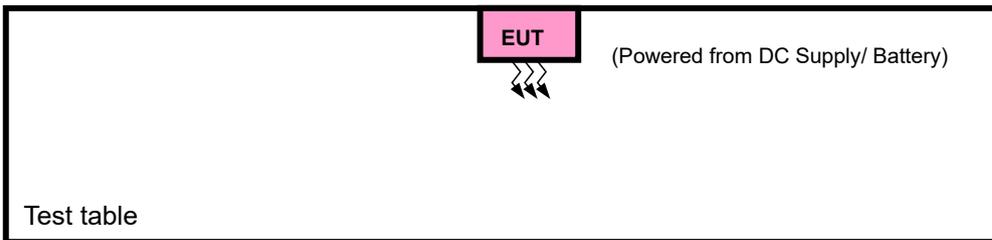
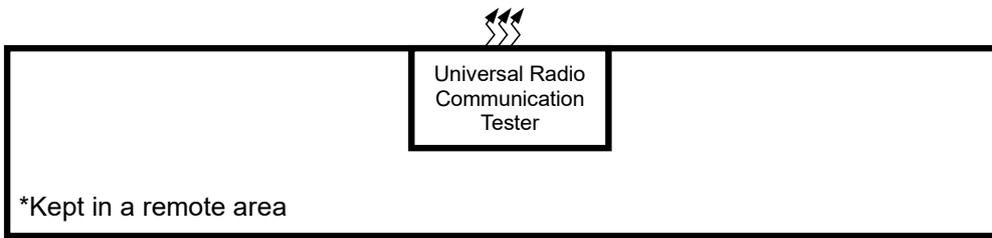
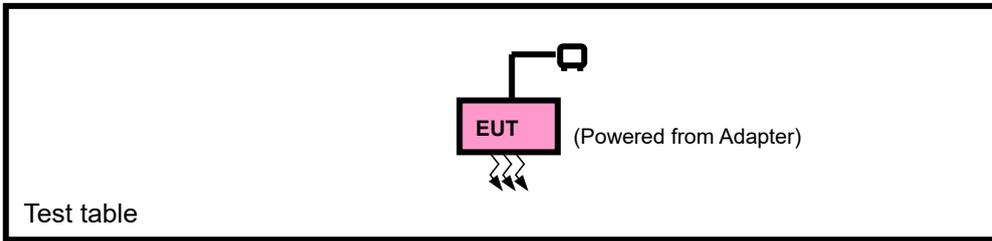
<b>MODULATION MODE</b>	<b>TX FUNCTION</b>
<b>GSM/GPRS/EDGE</b>	2TX/2RX
<b>WCDMA</b>	2TX/2RX
<b>LTE</b>	2TX/2RX

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



**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02  
**2.2 CONFIGURATION OF SYSTEM UNDER TEST**

**FOR RADIATION EMISSION TEST**





### 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
2	DC Source	HYELEC	HY3010B	551016	N/A

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

### 2.4 TEST ITEM AND TEST CONFIGURATION

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

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

GSM MODE				
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	512 to 810	512, 661, 810	GSM,EDGE
B	FREQUENCY STABILITY	512 to 810	512, 810	GSM
A	OCCUPIED BANDWIDTH	512 to 810	512, 661, 810	GSM,EDGE
A	PEAK TO AVERAGE RATIO	512 to 810	512, 661, 810	GSM,EDGE
A	BAND EDGE	512 to 810	512, 810	GSM,EDGE
A	CONDCUDED EMISSION	512 to 810	512, 661, 810	GSM,EDGE
A	RADIATED EMISSION	512 to 810	512, 661, 810	GSM,EDGE



WCDMA				
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	9262 to 9538	9262, 9400, 9538	WCDMA
B	FREQUENCY STABILITY	9262 to 9538	9262, 9538	WCDMA
A	OCCUPIED BANDWIDTH	9262 to 9538	9262, 9400, 9538	WCDMA
A	PEAK TO AVERAGE RATIO	9262 to 9538	9262, 9400, 9538	WCDMA
A	BAND EDGE	9262 to 9538	9262, 9538	WCDMA
A	CONDCUDED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA
A	RADIATED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA

LTE BAND 25 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
B	FREQUENCY STABILITY	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	100 RB / 0 RB offset
A	OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM, 64QAM	6 RB / 0 RB offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM, 64QAM	15 RB / 0 RB offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM, 64QAM	25 RB / 0 RB offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM, 64QAM	50 RB / 0 RB offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM, 64QAM	75 RB / 0 RB offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM	100 RB / 0 RB offset
A	PEAK TO AVERAGE RATIO	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset 100 RB / 0 RB offset
A	BAND EDGE	18607 to 19193	18607	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset 6 RB / 0 RB offset
			19193	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 5 RB offset 6 RB / 0 RB offset
		18615 to 19185	18615	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset 15 RB / 0 RB offset
			19185	3MHz	QPSK, 16QAM,	1 RB / 14 RB offset



					64QAM	15 RB / 0 RB offset		
		18625 to 19175	18625	5MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset	25 RB / 0 RB offset	
			19175	5MHz	QPSK,16QAM, 64QAM	1 RB / 24 RB offset	25 RB / 0 RB offset	
		18650 to 19150	18650	10MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset	50 RB / 0 RB offset	
			19150	10MHz	QPSK,16QAM, 64QAM	1 RB / 49 RB offset	50 RB / 0 RB offset	
		18675 to 19125	18675	15MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset	75 RB / 0 RB offset	
			19125	15MHz	QPSK,16QAM, 64QAM	1 RB / 74 RB offset	75 RB / 0 RB offset	
		18700 to 19100	18700	20MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset	100 RB / 0 RB offset	
			19100	20MHz	QPSK,16QAM, 64QAM	1 RB / 99 RB offset	100 RB / 0 RB offset	
		A	CONDCUETED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset
				18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset
				18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset
18650 to 19150	18650, 18900, 19150			10MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset		
18675 to 19125	18675, 18900, 19125			15MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset		
18700 to 19100	18700, 18900, 19100			20MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset		
A	RADIATED EMISSION	18607 to 19193	18900	1.4MHz	QPSK	1 RB / 0 RB offset		
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB / 0 RB offset		
		18625 to 19175	18900	5MHz	QPSK	1 RB / 0 RB offset		
		18650 to 19150	18900	10MHz	QPSK	1 RB / 0 RB offset		
		18675 to 19125	18900	15MHz	QPSK	1 RB / 0 RB offset		
		18700 to 19100	18900	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.

TEST CONDITION			
TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC 3.92V By Battery	Hanwen Xu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.6V/ 3.92V/ 4.5V By DC Source	Hanwen Xu



**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02

OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.92V By Battery	Hanwen Xu
BAND EDGE	23deg. C, 70%RH	DC 3.92V By Battery	Hanwen Xu
CONDCUDED EMISSION	23deg. C, 70%RH	DC 3.92V By Battery	Hanwen Xu
RADIATED EMISSION	23deg. C, 70%RH	AC 120V/60MHz	Hanwen Xu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.92V By Battery	Hanwen Xu



## 2.5 EUT OPERATING CONDITIONS

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

## 2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 24**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**ANSI/TIA/EIA-603-D**

**ANSI/TIA/EIA-603-E**

**ANSI C63.26-2015**

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



### 3 TEST TYPES AND RESULTS

#### 3.1 OUTPUT POWER MEASUREMENT

##### 3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile and portable stations are limited to 2 watts EIRP.

##### 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 determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

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

Where:

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

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

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

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

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

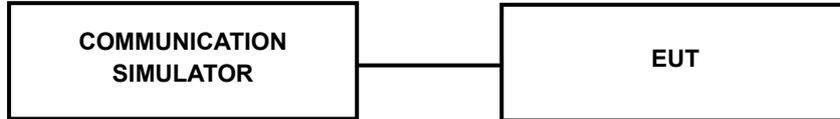
###### **CONDUCTED POWER MEASUREMENT:**

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



### 3.1.3 TEST SETUP

EIRP / ERP Measurement:  
CONDUCTED POWER MEASUREMENT:



### 3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm) :

Band	GSM1900_Ant0							
	Burst Averaged Power			Max. Tune-up Power (dBm)	Frame Averaged Power			Max. Tune-up Power (dBm)
	Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM	29.61	29.86	29.48	30.50	20.61	20.86	20.48	21.50
GPRS 1Tx Slot	29.72	29.89	29.51	30.50	20.72	20.89	20.51	21.50
GPRS 2Tx Slot	28.97	29.08	28.78	29.50	22.97	23.08	22.78	23.50
GPRS 3Tx Slot	27.15	27.28	27.05	28.00	22.89	23.02	22.79	23.74
GPRS 4Tx Slot	26.07	26.14	25.96	27.00	23.07	23.14	22.96	24.00
EDGE 1Tx Slot	25.95	26.10	26.05	27.00	16.95	17.10	17.05	18.00
EDGE 2Tx Slot	23.17	23.29	23.06	24.00	17.17	17.29	17.06	18.00
EDGE 3Tx Slot	20.64	20.73	20.60	22.20	16.38	16.47	16.34	17.94
EDGE 4Tx Slot	19.51	19.56	19.45	21.00	16.51	16.56	16.45	18.00

Band	GSM1900_Ant1							
	Burst Averaged Power			Max. Tune-up Power (dBm)	Frame Averaged Power			Max. Tune-up Power (dBm)
	Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM	29.07	29.49	29.33	30.00	20.07	20.49	20.33	21.00
GPRS 1Tx Slot	29.16	29.56	29.37	30.00	20.16	20.56	20.37	21.00
GPRS 2Tx Slot	28.39	28.76	28.62	29.00	22.39	22.76	22.62	23.00
GPRS 3Tx Slot	26.48	26.91	26.86	27.50	22.22	22.65	22.60	23.24
GPRS 4Tx Slot	25.35	25.76	25.78	26.50	22.35	22.76	22.78	23.50
EDGE 1Tx Slot	25.44	25.89	25.58	26.50	16.44	16.89	16.58	17.50
EDGE 2Tx Slot	22.53	22.68	22.71	23.50	16.53	16.68	16.71	17.50
EDGE 3Tx Slot	20.53	20.64	20.52	21.70	16.27	16.38	16.26	17.44
EDGE 4Tx Slot	19.33	19.58	19.48	20.50	16.33	16.58	16.48	17.50



Band	WCDMA II Ant0		
TX Channel	<b>9262</b>	<b>9400</b>	<b>9538</b>
Rx Channel	<b>9662</b>	<b>9800</b>	<b>9938</b>
Frequency	<b>1852.4</b>	<b>1880</b>	<b>1907.6</b>
RMC 12.2K	24.25	<b>24.33</b>	24.20
HSDPA Subtest-1	23.19	23.19	23.14
HSDPA Subtest-2	23.40	23.34	23.38
HSDPA Subtest-3	22.74	22.65	22.82
HSDPA Subtest-4	22.78	22.81	22.77
DC-HSDPA Subtest-1	23.30	23.33	23.24
DC-HSDPA Subtest-2	23.24	23.22	23.25
DC-HSDPA Subtest-3	22.73	22.79	22.82
DC-HSDPA Subtest-4	22.86	22.80	22.76
HSUPA Subtest-1	21.01	20.92	20.89
HSUPA Subtest-2	20.82	20.99	20.75
HSUPA Subtest-3	22.11	21.97	21.96
HSUPA Subtest-4	20.62	20.76	20.63
HSUPA Subtest-5	21.70	21.61	21.64
HSPA+ Subtest-1	23.10	23.05	23.10

Band	WCDMA II Ant1		
TX Channel	<b>9262</b>	<b>9400</b>	<b>9538</b>
Rx Channel	<b>9662</b>	<b>9800</b>	<b>9938</b>
Frequency	<b>1852.4</b>	<b>1880</b>	<b>1907.6</b>
RMC 12.2K	23.77	<b>23.99</b>	23.79
HSDPA Subtest-1	22.90	23.11	22.86
HSDPA Subtest-2	22.97	22.86	22.95
HSDPA Subtest-3	22.43	22.27	22.25
HSDPA Subtest-4	22.58	22.38	22.44
DC-HSDPA Subtest-1	22.76	22.81	22.86
DC-HSDPA Subtest-2	23.00	22.75	23.01
DC-HSDPA Subtest-3	22.26	22.34	22.22
DC-HSDPA Subtest-4	22.40	22.31	22.41
HSUPA Subtest-1	20.60	20.59	20.54
HSUPA Subtest-2	20.50	20.51	20.54
HSUPA Subtest-3	21.61	21.93	21.68
HSUPA Subtest-4	20.27	20.23	20.32
HSUPA Subtest-5	21.39	21.20	21.44
HSPA+ Subtest-1	22.82	22.92	22.73



LTE BAND 2 ANT0						
Band/BW	Modulation	RB Size	RB offset	Low CH 18607	Mid CH 18900	High CH 19193
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz
2/ 1.4	QPSK	1	0	24.29	24.36	24.17
		1	2	24.49	24.48	24.29
		1	5	24.35	24.60	24.04
		3	0	24.24	24.42	24.25
		3	1	24.42	24.41	24.24
		3	3	24.36	24.38	24.29
		6	0	23.47	23.60	23.52
	16QAM	1	0	23.59	23.66	23.39
		1	2	23.81	23.75	23.63
		1	5	23.53	23.62	23.29
		3	0	23.31	23.43	23.35
		3	1	23.35	23.50	23.30
		3	3	23.38	23.37	23.26
		6	0	22.42	22.51	22.35
	64QAM	1	0	22.50	22.52	22.47
		1	2	22.69	22.73	22.55
		1	5	22.57	22.55	22.34
		3	0	22.34	22.39	22.26
		3	1	22.48	22.47	22.35
		3	3	22.41	22.40	22.27
		6	0	21.54	21.54	21.45
Band/BW	Modulation	RB Size	RB offset	Low CH 18615	Mid CH 18900	High CH 19185
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz
2/ 3	QPSK	1	0	24.31	24.46	24.19
		1	7	24.47	24.47	24.33
		1	14	24.25	24.58	24.18
		8	0	23.42	23.49	23.49
		8	3	23.62	23.69	23.56
		8	7	23.49	23.53	23.38
		15	0	23.49	23.60	23.44
	16QAM	1	0	23.58	23.56	23.46
		1	7	23.69	23.81	23.54
		1	14	23.58	23.66	23.26
		8	0	22.50	22.56	22.53
		8	3	22.60	22.57	22.41
		8	7	22.54	22.54	22.40
		15	0	22.40	22.56	22.37
	64QAM	1	0	22.58	22.52	22.40
		1	7	22.67	22.72	22.58
		1	14	22.58	22.50	22.28
		8	0	21.45	21.54	21.50
		8	3	21.62	21.65	21.47
		8	7	21.62	21.61	21.42
		15	0	21.56	21.55	21.40



LTE BAND 2 ANTO						
Band/BW	Modulation	RB Size	RB offset	Low CH18625	Mid CH18900	High CH19175
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz
2/ 5	QPSK	1	0	24.30	24.34	24.18
		1	12	24.56	24.56	24.32
		1	24	24.27	24.57	24.17
		12	0	23.50	23.59	23.40
		12	6	23.61	23.70	23.45
		12	13	23.58	23.50	23.49
		25	0	23.56	23.60	23.47
	16QAM	1	0	23.64	23.56	23.52
		1	12	23.69	23.70	23.60
		1	24	23.63	23.68	23.29
		12	0	22.52	22.57	22.53
		12	6	22.60	22.64	22.44
		12	13	22.58	22.57	22.40
		25	0	22.42	22.58	22.43
	64QAM	1	0	22.57	22.60	22.47
		1	12	22.69	22.72	22.59
		1	24	22.65	22.53	22.35
		12	0	21.46	21.47	21.47
		12	6	21.64	21.65	21.50
		12	13	21.51	21.55	21.49
		25	0	21.49	21.55	21.45
Band/BW	Modulation	RB Size	RB offset	Low CH 18650	Mid CH 18900	High CH 19150
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz
2/ 10	QPSK	1	0	24.36	24.38	24.24
		1	24	24.56	24.49	24.41
		1	49	24.25	24.55	24.06
		25	0	23.56	23.56	23.48
		25	12	23.63	23.70	23.53
		25	25	23.62	23.63	23.37
		50	0	23.55	23.60	23.52
	16QAM	1	0	23.58	23.60	23.53
		1	24	23.79	23.70	23.63
		1	49	23.54	23.56	23.33
		25	0	22.49	22.47	22.44
		25	12	22.64	22.62	22.43
		25	25	22.53	22.52	22.42
		50	0	22.46	22.48	22.42
	64QAM	1	0	22.56	22.61	22.42
		1	24	22.67	22.81	22.55
		1	49	22.59	22.54	22.22
		25	0	21.54	21.54	21.44
		25	12	21.64	21.58	21.44
		25	25	21.62	21.57	21.40
		50	0	21.57	21.59	21.39



LTE BAND 2 ANTO						
Band/BW	Modulation	RB Size	RB offset	Low CH 18675	Mid CH 18900	High CH 19125
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz
2/ 15	QPSK	1	0	24.38	24.42	24.28
		1	37	24.46	24.59	24.30
		1	74	24.35	24.47	24.06
		36	0	23.51	23.56	23.44
		36	19	23.65	23.62	23.55
		36	39	23.58	23.54	23.41
		75	0	23.48	23.48	23.46
	16QAM	1	0	23.64	23.59	23.49
		1	37	23.71	23.74	23.64
		1	74	23.59	23.68	23.34
		36	0	22.47	22.47	22.48
		36	19	22.54	22.56	22.50
		36	39	22.59	22.63	22.43
		75	0	22.48	22.56	22.44
	64QAM	1	0	22.48	22.61	22.45
		1	37	22.78	22.70	22.54
		1	74	22.65	22.45	22.32
		36	0	21.54	21.48	21.50
		36	19	21.56	21.65	21.45
		36	39	21.61	21.54	21.39
		75	0	21.53	21.58	21.39
Band/BW	Modulation	RB Size	RB offset	Low CH 18700	Mid CH 18900	High CH 19100
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz
2/ 20	QPSK	1	0	24.42	24.47	24.31
		1	50	<b>24.59</b>	<b>24.62</b>	<b>24.42</b>
		1	99	24.39	24.61	24.19
		50	0	23.57	23.61	23.55
		50	25	<b>23.68</b>	<b>23.73</b>	<b>23.57</b>
		50	50	23.64	23.65	23.52
		100	0	23.58	<b>23.62</b>	23.53
	16QAM	1	0	23.65	23.71	23.54
		1	50	23.84	23.85	23.65
		1	99	23.64	23.70	23.40
		50	0	22.55	22.62	22.57
		50	25	22.68	22.71	22.54
		50	50	22.61	22.64	22.48
		100	0	22.54	22.60	22.47
	64QAM	1	0	22.63	22.65	22.51
		1	50	22.81	22.83	22.62
		1	99	22.66	22.59	22.37
		50	0	21.55	21.60	21.57
		50	25	21.70	21.73	21.56
		50	50	21.63	21.64	21.51
		100	0	21.59	21.62	21.53



LTE BAND 2 ANT1						
Band/BW	Modulation	RB Size	RB offset	Low CH 18607	Mid CH 18900	High CH 19193
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz
2/ 1.4	QPSK	1	0	23.73	23.69	23.65
		1	2	23.81	23.80	23.69
		1	5	23.64	23.79	23.63
		3	0	23.53	23.67	23.43
		3	1	23.54	23.66	23.50
		3	3	23.52	23.66	23.73
		6	0	22.61	22.76	22.75
	16QAM	1	0	22.94	22.82	22.84
		1	2	23.15	22.97	23.05
		1	5	23.14	23.15	23.06
		3	0	22.61	22.55	22.59
		3	1	22.79	22.67	22.68
		3	3	22.53	22.52	22.64
		6	0	21.94	21.74	21.72
	64QAM	1	0	21.98	21.83	21.87
		1	2	22.14	21.97	21.93
		1	5	21.94	21.86	21.87
		3	0	21.73	21.62	21.57
		3	1	21.80	21.60	21.73
		3	3	21.65	21.58	21.61
		6	0	20.79	20.73	20.77
Band/BW	Modulation	RB Size	RB offset	Low CH 18615	Mid CH 18900	High CH 19185
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz
2/ 3	QPSK	1	0	23.70	23.59	23.65
		1	7	23.88	23.83	23.82
		1	14	23.72	23.75	23.70
		8	0	22.79	22.75	22.65
		8	3	22.73	22.83	22.70
		8	7	22.80	22.81	22.86
		15	0	22.73	22.82	22.83
	16QAM	1	0	22.99	22.78	22.89
		1	7	23.08	23.00	23.02
		1	14	23.21	23.04	23.11
		8	0	21.77	21.75	21.83
		8	3	21.91	21.86	21.80
		8	7	21.75	21.73	21.72
		15	0	21.86	21.70	21.72
	64QAM	1	0	22.01	21.85	21.91
		1	7	22.07	22.02	21.96
		1	14	21.88	21.77	21.96
		8	0	20.84	20.77	20.78
		8	3	20.98	20.77	20.85
		8	7	20.86	20.67	20.73
		15	0	20.78	20.82	20.81



LTE BAND 2 ANT1						
Band/BW	Modulation	RB Size	RB offset	Low CH18625	Mid CH18900	High CH19175
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz
2/ 5	QPSK	1	0	23.74	23.67	23.68
		1	12	23.81	23.94	23.78
		1	24	23.70	23.78	23.58
		12	0	22.77	22.82	22.70
		12	6	22.79	22.75	22.74
		12	13	22.72	22.86	22.88
		25	0	22.74	22.78	22.82
	16QAM	1	0	22.93	22.79	22.92
		1	12	23.18	22.99	23.00
		1	24	23.14	23.12	23.06
		12	0	21.79	21.62	21.76
		12	6	21.90	21.91	21.78
		12	13	21.83	21.67	21.70
		25	0	21.92	21.83	21.71
	64QAM	1	0	21.97	21.87	21.94
		1	12	22.10	21.96	21.96
		1	24	21.87	21.83	21.94
		12	0	20.79	20.83	20.70
		12	6	20.93	20.81	20.96
		12	13	20.84	20.79	20.70
		25	0	20.85	20.78	20.72
Band/BW	Modulation	RB Size	RB offset	Low CH 18650	Mid CH 18900	High CH 19150
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz
2/ 10	QPSK	1	0	23.74	23.58	23.71
		1	24	23.82	23.83	23.79
		1	49	23.70	23.87	23.60
		25	0	22.80	22.76	22.65
		25	12	22.73	22.80	22.77
		25	25	22.80	22.85	22.88
		50	0	22.68	22.77	22.75
	16QAM	1	0	22.98	22.82	22.89
		1	24	23.06	22.90	23.06
		1	49	23.11	23.12	23.01
		25	0	21.82	21.63	21.84
		25	12	21.92	21.87	21.76
		25	25	21.81	21.74	21.81
		50	0	21.94	21.73	21.74
	64QAM	1	0	21.99	21.92	21.85
		1	24	22.04	21.97	21.88
		1	49	21.95	21.79	21.90
		25	0	20.87	20.79	20.68
		25	12	20.91	20.81	20.96
		25	25	20.86	20.72	20.69
		50	0	20.81	20.86	20.74



LTE BAND 2 ANT1						
Band/BW	Modulation	RB Size	RB offset	Low CH 18675	Mid CH 18900	High CH 19125
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz
2/ 15	QPSK	1	0	23.76	23.57	23.63
		1	37	23.88	23.84	23.69
		1	74	23.60	23.77	23.61
		36	0	22.80	22.72	22.65
		36	19	22.69	22.85	22.77
		36	39	22.75	22.90	22.85
		75	0	22.62	22.82	22.69
	16QAM	1	0	22.93	22.90	22.79
		1	37	23.13	23.02	23.03
		1	74	23.20	23.07	23.06
		36	0	21.84	21.74	21.78
		36	19	22.00	21.97	21.85
		36	39	21.79	21.72	21.78
		75	0	21.82	21.79	21.71
	64QAM	1	0	21.92	21.87	21.91
		1	37	22.13	22.02	21.96
		1	74	21.98	21.77	21.86
		36	0	20.91	20.83	20.79
		36	19	20.99	20.78	20.96
		36	39	20.88	20.81	20.75
		75	0	20.87	20.78	20.78
Band/BW	Modulation	RB Size	RB offset	Low CH 18700	Mid CH 18900	High CH 19100
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz
2/ 20	QPSK	1	0	23.77	23.72	23.75
		1	50	<b>23.91</b>	<b>23.95</b>	<b>23.83</b>
		1	99	23.73	23.88	23.71
		50	0	22.82	22.87	22.72
		50	25	22.80	22.89	22.78
		50	50	<b>22.85</b>	<b>22.95</b>	<b>22.94</b>
		100	0	22.76	<b>22.87</b>	22.84
	16QAM	1	0	23.03	22.93	22.94
		1	50	23.19	23.04	23.11
		1	99	23.24	23.17	23.12
		50	0	21.91	21.76	21.87
		50	25	22.01	22.00	21.90
		50	50	21.86	21.76	21.84
		100	0	21.96	21.85	21.85
	64QAM	1	0	22.03	21.98	21.98
		1	50	22.16	22.07	22.01
		1	99	21.99	21.88	21.98
		50	0	20.93	20.86	20.82
		50	25	21.05	20.90	20.97
		50	50	20.95	20.82	20.80
		100	0	20.93	20.87	20.86



**EIRP POWER (dBm)**

GSM 1900 ANT0						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
512	1850.2	29.72	-3.9	25.82	381.94	2
661	1880	29.89	-3.9	25.99	397.19	2
810	1909.8	29.51	-3.9	25.61	363.92	2

GSM 1900 ANT1						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
512	1850.2	29.16	-1.2	27.96	625.17	2
661	1880	29.56	-1.2	28.36	685.49	2
810	1909.8	29.37	-1.2	28.17	656.15	2

EDGE 1900 ANT0						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
512	1850.2	25.95	-3.9	22.05	160.32	2
661	1880	26.10	-3.9	22.20	165.96	2
810	1909.8	26.05	-3.9	22.15	164.06	2

EDGE 1900 ANT1						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
512	1850.2	25.44	-1.2	24.24	265.46	2
661	1880	25.89	-1.2	24.69	294.44	2
810	1909.8	25.58	-1.2	24.38	274.16	2

WCDMA II ANT0						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
9262	1852.4	24.25	-3.9	20.35	108.39	2
9400	1880	24.33	-3.9	20.43	110.41	2
9538	1907.6	24.20	-3.9	20.30	107.15	2

WCDMA II ANT1						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
9262	1852.4	23.77	-1.2	22.57	180.72	2
9400	1880	23.99	-1.2	22.79	190.11	2
9538	1907.6	23.79	-1.2	22.59	181.55	2



LTE BAND 2 ANT0						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	24.49	-3.5	20.99	125.60	2
18900	1880.0	24.60	-3.5	21.10	128.82	2
19193	1909.3	24.29	-3.5	20.79	119.95	2

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	23.81	-3.5	20.31	107.40	2
18900	1880.0	23.75	-3.5	20.25	105.93	2
19193	1909.3	23.63	-3.5	20.13	103.04	2

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	22.69	-3.5	19.19	82.99	2
18900	1880	22.73	-3.5	19.23	83.75	2
19193	1909.3	22.55	-3.5	19.05	80.35	2

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	24.47	-3.5	20.97	125.03	2
18900	1880	24.58	-3.5	21.08	128.23	2
19185	1908.5	24.33	-3.5	20.83	121.06	2

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	23.69	-3.5	20.19	104.47	2
18900	1880	23.81	-3.5	20.31	107.40	2
19185	1908.5	23.54	-3.5	20.04	100.93	2

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	22.67	-3.5	19.17	82.60	2
18900	1880	22.72	-3.5	19.22	83.56	2
19185	1908.5	22.58	-3.5	19.08	80.91	2



5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	24.56	-3.5	21.06	127.64	2
18900	1880	24.57	-3.5	21.07	127.94	2
19175	1907.5	24.32	-3.5	20.82	120.78	2

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	23.69	-3.5	20.19	104.47	2
18900	1880	23.70	-3.5	20.20	104.71	2
19175	1907.5	23.60	-3.5	20.10	102.33	2

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	22.69	-3.5	19.19	82.99	2
18900	1880	22.72	-3.5	19.22	83.56	2
19175	1907.5	22.59	-3.5	19.09	81.10	2

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	24.56	-3.5	21.06	127.64	2
18900	1880	24.55	-3.5	21.05	127.35	2
19150	1905	24.41	-3.5	20.91	123.31	2

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	23.79	-3.5	20.29	106.91	2
18900	1880	23.70	-3.5	20.20	104.71	2
19150	1905	23.63	-3.5	20.13	103.04	2

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	22.67	-3.5	19.17	82.60	2
18900	1880	22.81	-3.5	19.31	85.31	2
19150	1905	22.55	-3.5	19.05	80.35	2



15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	24.46	-3.5	20.96	124.74	2
18900	1880	24.59	-3.5	21.09	128.53	2
19125	1902.5	24.30	-3.5	20.80	120.23	2

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	23.71	-3.5	20.21	104.95	2
18900	1880	23.74	-3.5	20.24	105.68	2
19125	1902.5	23.64	-3.5	20.14	103.28	2

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.78	-3.5	19.28	84.72	2
18900	1880	22.70	-3.5	19.20	83.18	2
19125	1902.5	22.54	-3.5	19.04	80.17	2

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	24.59	-3.5	21.09	128.53	2
18900	1880	24.62	-3.5	21.12	129.42	2
19100	1900	24.42	-3.5	20.92	123.59	2

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	23.84	-3.5	20.34	108.14	2
18900	1880	23.85	-3.5	20.35	108.39	2
19100	1900	23.65	-3.5	20.15	103.51	2

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.81	-3.5	19.31	85.31	2
18900	1880	22.83	-3.5	19.33	85.70	2
19100	1900	22.62	-3.5	19.12	81.66	2



LTE BAND 2 ANT1						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	23.81	-1.2	22.61	182.39	2
18900	1880.0	23.80	-1.2	22.60	181.97	2
19193	1909.3	23.73	-1.2	22.53	179.06	2

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	23.15	-1.2	21.95	156.68	2
18900	1880.0	23.15	-1.2	21.95	156.68	2
19193	1909.3	23.06	-1.2	21.86	153.46	2

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	22.14	-1.2	20.94	124.17	2
18900	1880	21.97	-1.2	20.77	119.40	2
19193	1909.3	21.93	-1.2	20.73	118.30	2

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	23.88	-1.2	22.68	185.35	2
18900	1880	23.83	-1.2	22.63	183.23	2
19185	1908.5	23.82	-1.2	22.62	182.81	2

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	23.21	-1.2	22.01	158.85	2
18900	1880	23.04	-1.2	21.84	152.76	2
19185	1908.5	23.11	-1.2	21.91	155.24	2

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	22.07	-1.2	20.87	122.18	2
18900	1880	22.02	-1.2	20.82	120.78	2
19185	1908.5	21.96	-1.2	20.76	119.12	2



5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	23.81	-1.2	22.61	182.39	2
18900	1880	23.94	-1.2	22.74	187.93	2
19175	1907.5	23.78	-1.2	22.58	181.13	2

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	23.18	-1.2	21.98	157.76	2
18900	1880	23.12	-1.2	21.92	155.60	2
19175	1907.5	23.06	-1.2	21.86	153.46	2

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	22.10	-1.2	20.90	123.03	2
18900	1880	21.96	-1.2	20.76	119.12	2
19175	1907.5	21.96	-1.2	20.76	119.12	2

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	23.82	-1.2	22.62	182.81	2
18900	1880	23.87	-1.2	22.67	184.93	2
19150	1905	23.79	-1.2	22.59	181.55	2

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	23.11	-1.2	21.91	155.24	2
18900	1880	23.12	-1.2	21.92	155.60	2
19150	1905	23.06	-1.2	21.86	153.46	2

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	22.04	-1.2	20.84	121.34	2
18900	1880	21.97	-1.2	20.77	119.40	2
19150	1905	21.90	-1.2	20.70	117.49	2



15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	23.88	-1.2	22.68	185.35	2
18900	1880	23.84	-1.2	22.64	183.65	2
19125	1902.5	23.69	-1.2	22.49	177.42	2

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	23.20	-1.2	22.00	158.49	2
18900	1880	23.07	-1.2	21.87	153.82	2
19125	1902.5	23.06	-1.2	21.86	153.46	2

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.13	-1.2	20.93	123.88	2
18900	1880	22.02	-1.2	20.82	120.78	2
19125	1902.5	21.96	-1.2	20.76	119.12	2

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	23.91	-1.2	22.71	186.64	2
18900	1880	23.95	-1.2	22.75	188.36	2
19100	1900	23.83	-1.2	22.63	183.23	2

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	23.24	-1.2	22.04	159.96	2
18900	1880	23.17	-1.2	21.97	157.40	2
19100	1900	23.12	-1.2	21.92	155.60	2

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.16	-1.2	20.96	124.74	2
18900	1880	22.07	-1.2	20.87	122.18	2
19100	1900	22.01	-1.2	20.81	120.50	2

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



### 3.2 FREQUENCY STABILITY MEASUREMENT

#### 3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

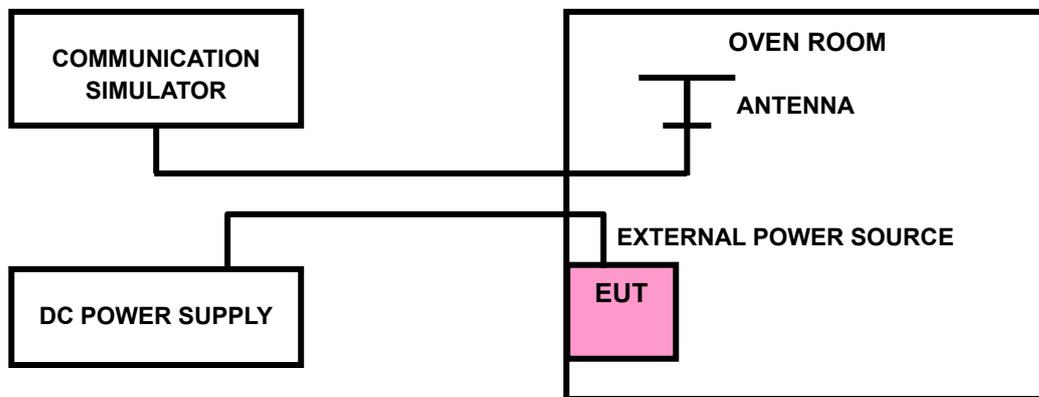
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### 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(3.6V); VN/NV = Normal voltage(3.92V); VH = High voltage(4.5V); NT = Normal temperature (25°C)

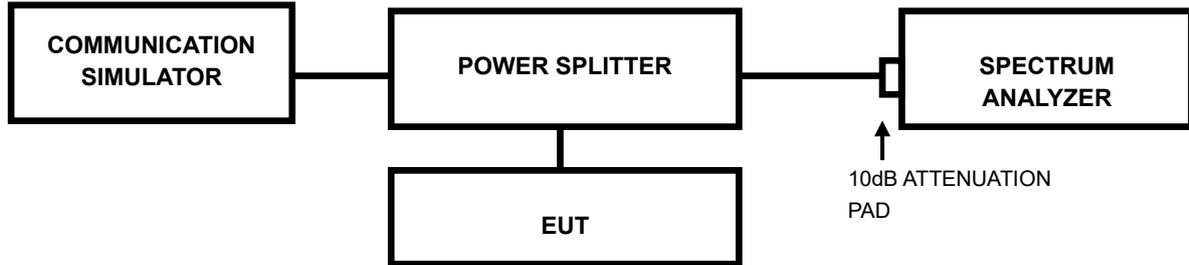


### 3.3 OCCUPIED BANDWIDTH MEASUREMENT

#### 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.

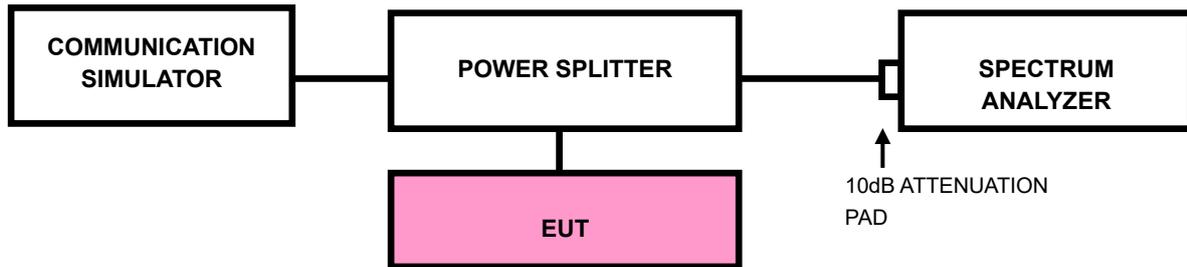


### 3.4 BAND EDGE MEASUREMENTC

#### 3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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

#### 3.4.2 TEST SETUP





### 3.4.3 TEST PROCEDURES

- a) All measurements were done at low and high operational frequency range
- b) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- c) Tune the analyzer to the nominal center frequency of the emission bandwidth

(EBW)

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

### 3.4.4 TEST RESULTS

Please Refer to Appendix of this test report.



### 3.5 CONDUCTED SPURIOUS EMISSIONS

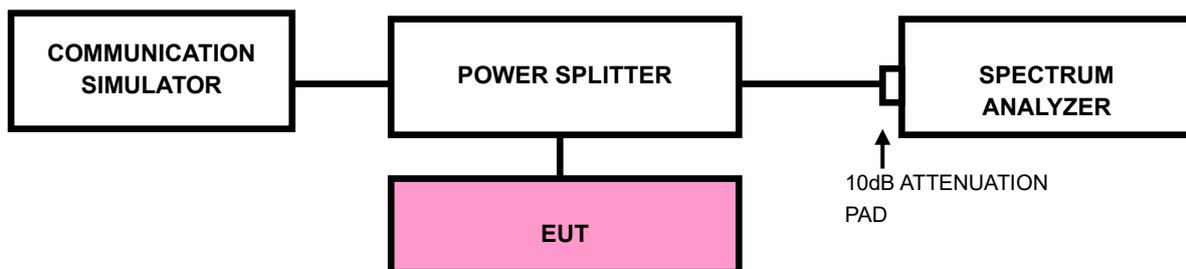
#### 3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

#### 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 30MHz up to a frequency including its 10<sup>th</sup> harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

#### 3.5.3 TEST SETUP



#### 3.5.4 TEST RESULTS

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

Please Refer to Appendix of this test report.



### 3.6 RADIATED EMISSION MEASUREMENT

#### 3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

#### 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.  $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .

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

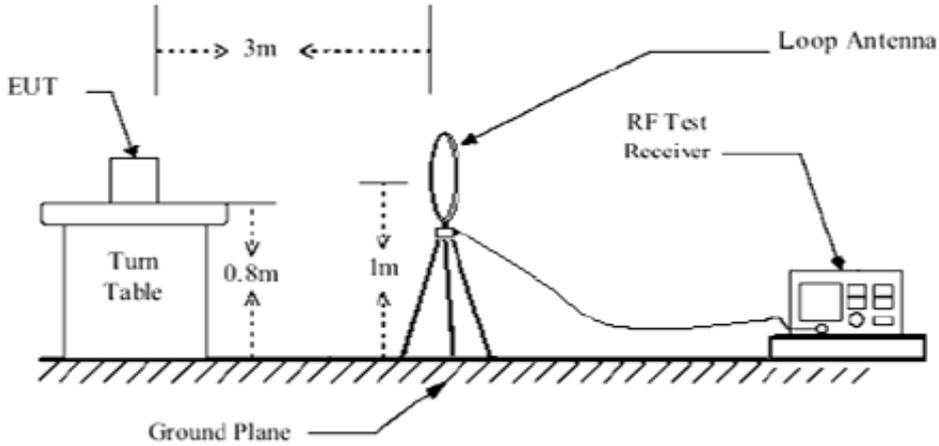
#### 3.6.3 DEVIATION FROM TEST STANDARD

No deviation

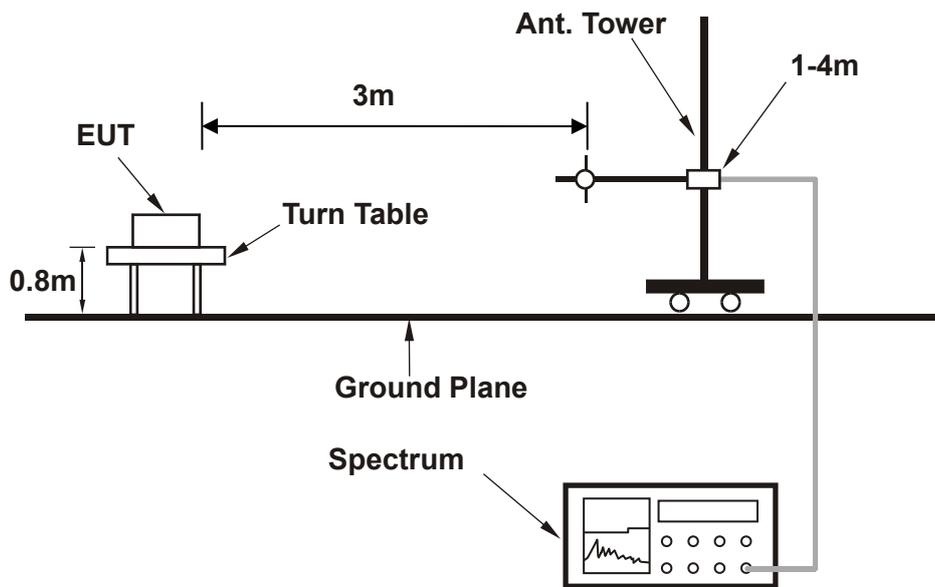


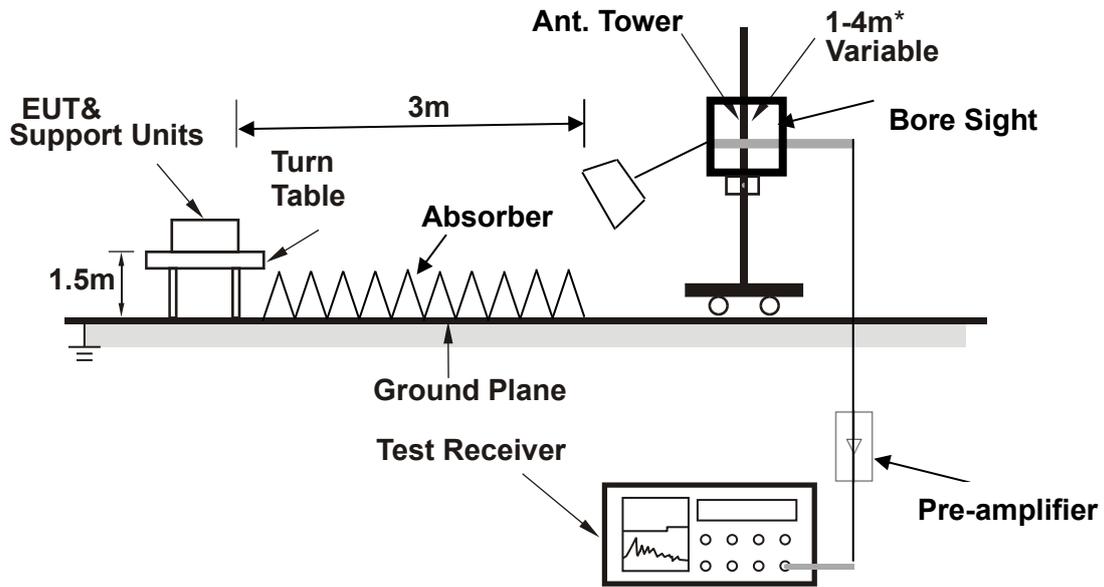
### 3.6.4 TEST SETUP

#### < Frequency Range below 30MHz >



#### < Frequency Range 30MHz~1GHz >





**Note:** Above 1G is a directional antenna

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

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



### 3.6.5 TEST RESULTS

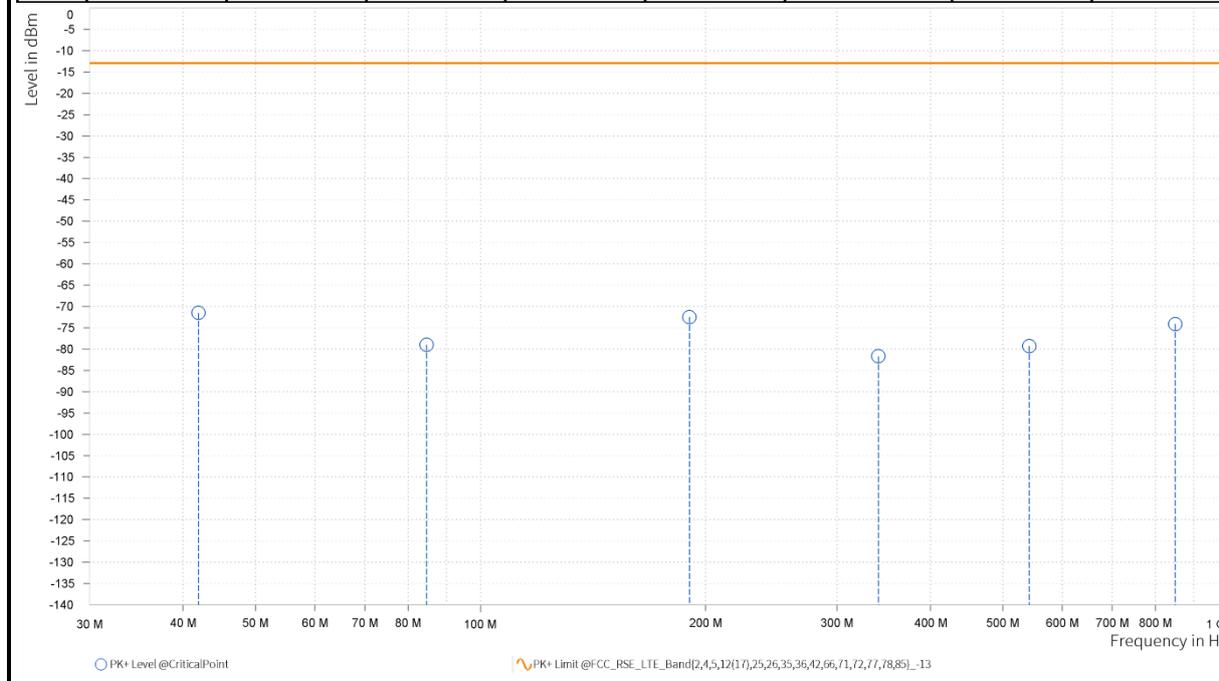
NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

**BELOW 1GHz WORST-CASE DATA**

LTE BAND2 (3MHz) CHANNEL BANDWIDTH			
<b>MODE</b>	TX channel 18900	<b>FREQUENCY RANGE</b>	30 MHz – 1GHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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]
1	41.950	-71.49	-13.00	58.49	-2.34	H	186.2	2.00
1	84.700	-78.96	-13.00	65.96	-12.26	H	0.9	2.00
1	190.250	-72.49	-13.00	59.49	-5.06	H	298	1.00
1	340.550	-81.66	-13.00	68.66	-2.94	H	172.6	1.00
2	542.492	-79.30	-13.00	66.30	-1.58	H	317.2	1.00
2	849.942	-74.11	-13.00	61.11	4.32	H	359.1	1.00

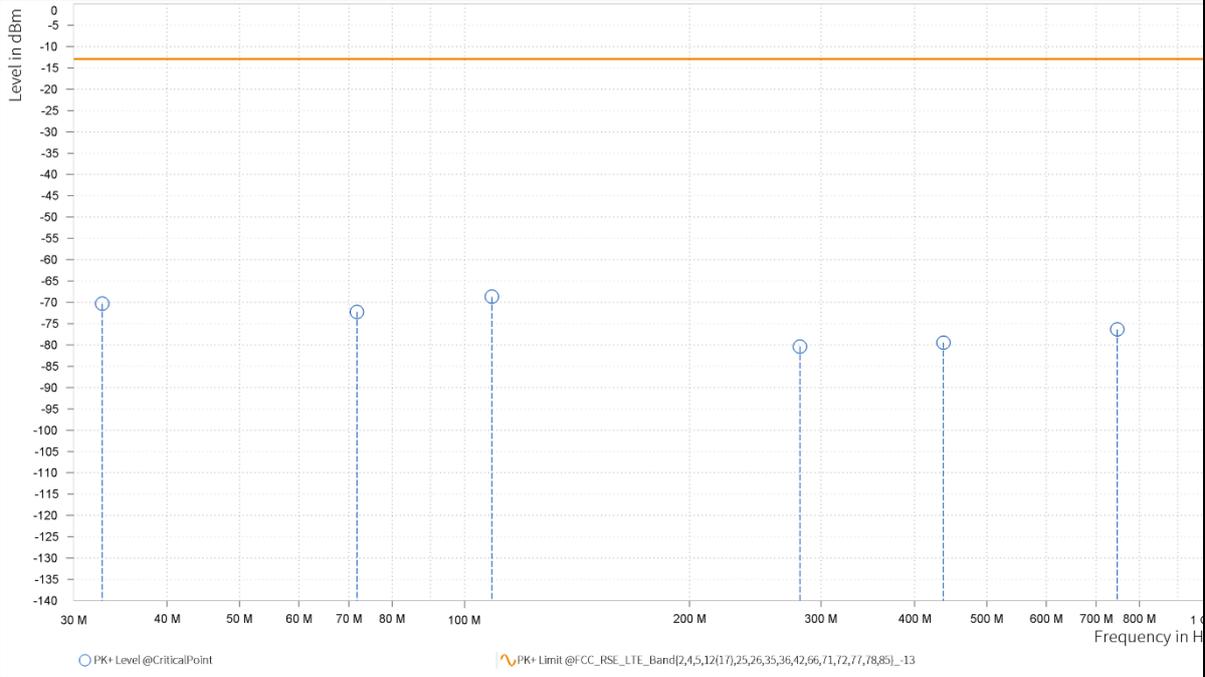




<b>MODE</b>	TX channel 18900	<b>FREQUENCY RANGE</b>	30 MHz – 1GHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	32.750	-70.32	-13.00	57.32	-6.80	V	352.6	1.00
1	71.750	-72.24	-13.00	59.24	-8.46	V	106.2	2.00
1	108.800	-68.70	-13.00	55.70	1.39	V	352.6	1.00
1	280.950	-80.38	-13.00	67.38	-1.33	V	217.4	2.00
1	437.450	-79.44	-13.00	66.44	1.36	V	4.2	1.00
2	746.863	-76.35	-13.00	63.35	1.96	V	359.1	1.00





ABOVE 1GHZ DATA

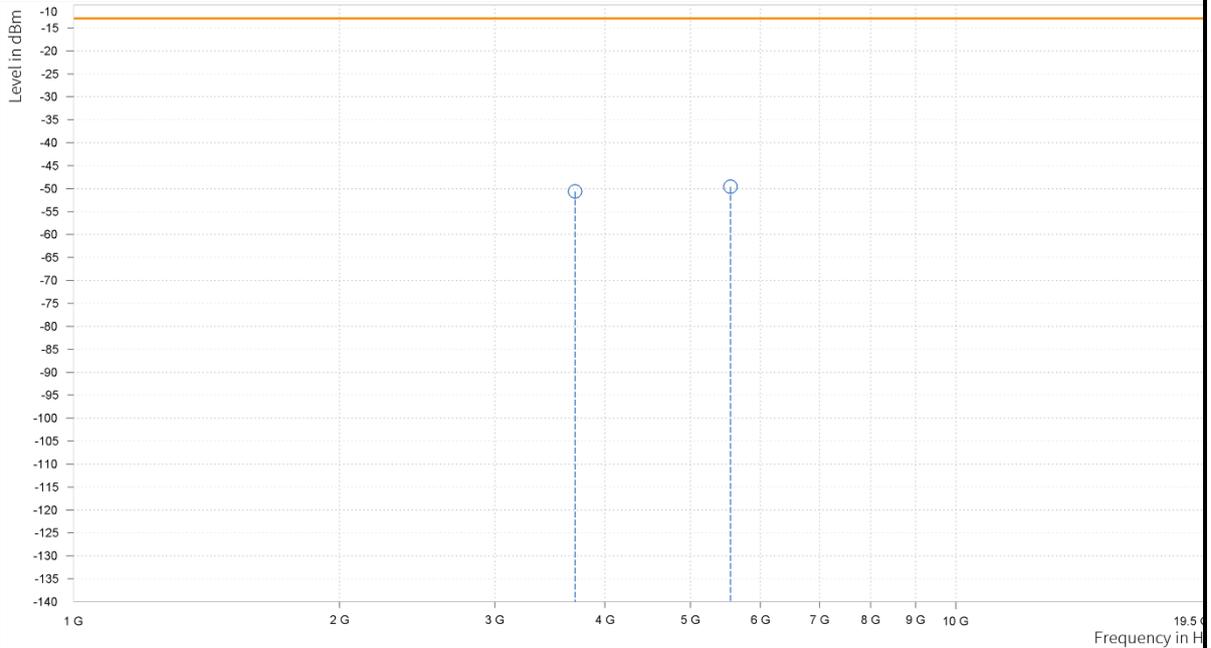
Note: For higher frequency, the emission is too low to be detected.

ANT0:

PCS 1900			
MODE	TX channel 512	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	120Vac 60HZ
TESTED BY	Hanwen Xu		

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	3,700.400	-50.62	-13.00	37.62	21.11	H	1	1.00
4	5,550.600	-49.61	-13.00	36.61	24.26	H	359.1	1.00

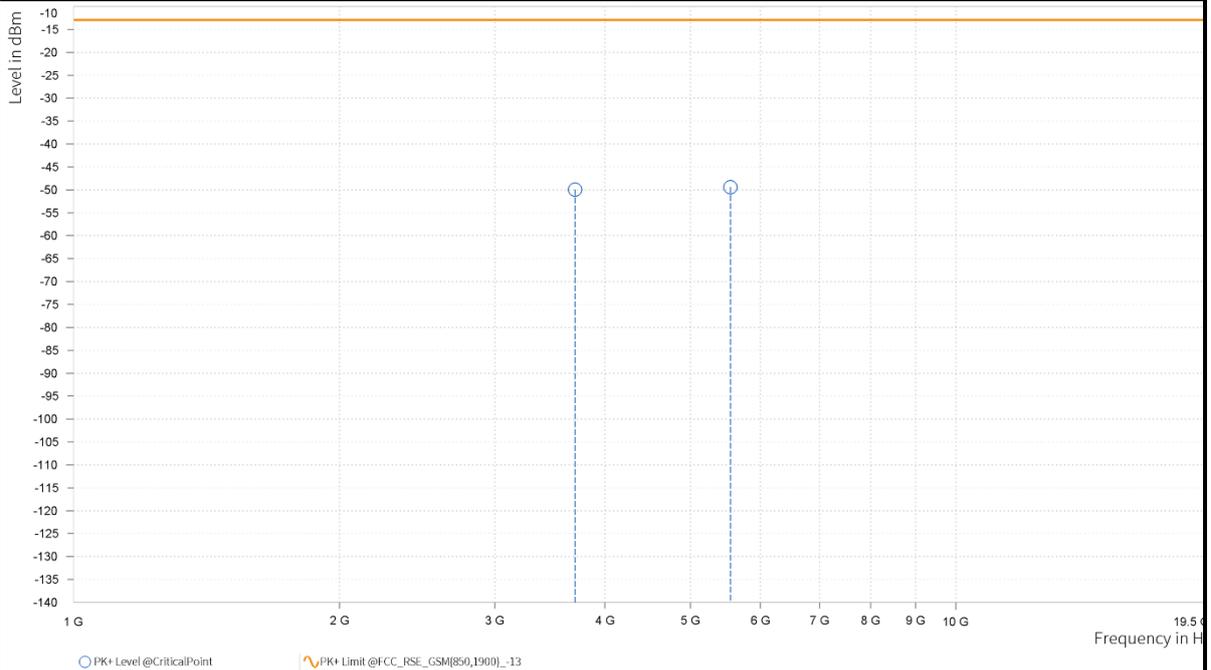




<b>MODE</b>	TX channel 512	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,700.400	-49.93	-13.00	36.93	21.71	V	1	1.00
4	5,550.600	-49.43	-13.00	36.43	24.96	V	258.6	1.00

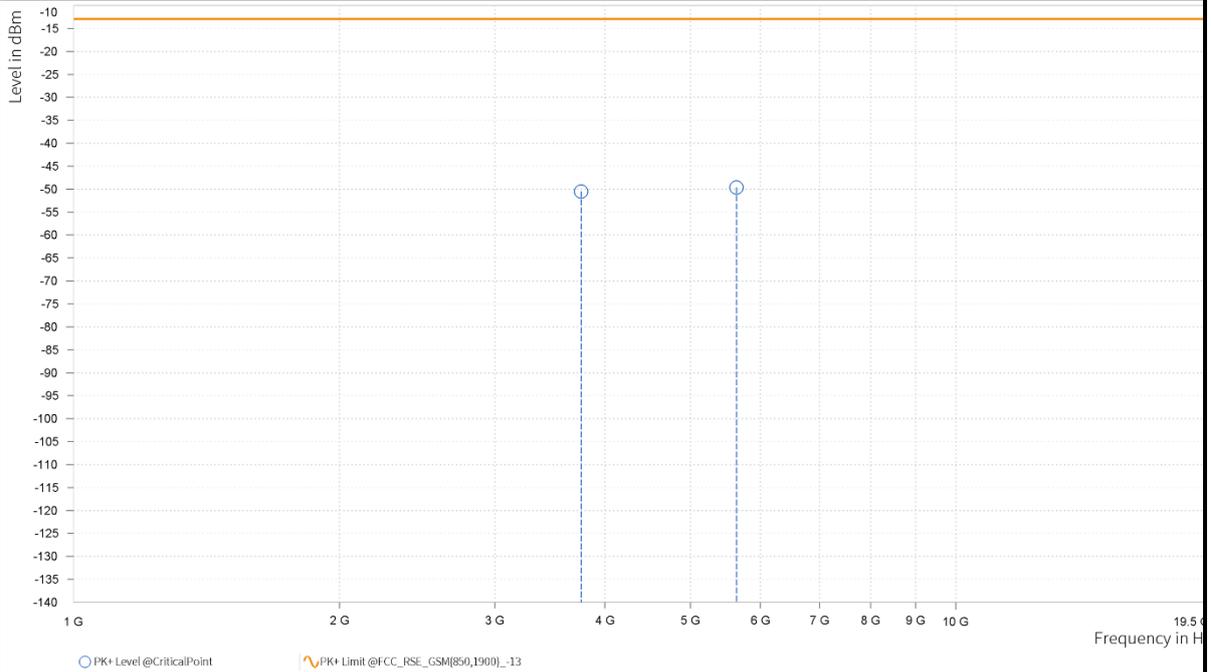




<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.50	-13.00	37.50	21.64	H	0.9	2.00
4	5,640.000	-49.64	-13.00	36.64	24.79	H	1	1.00

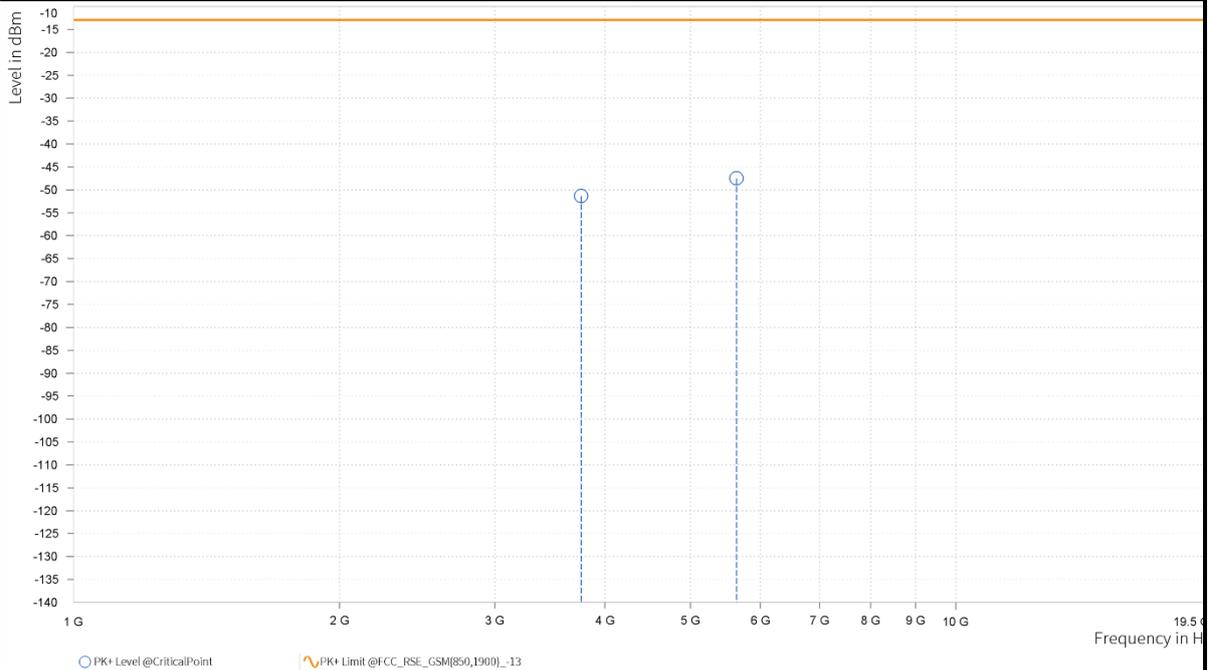




<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-51.33	-13.00	38.33	22.13	V	1	2.00
4	5,640.000	-47.50	-13.00	34.50	25.13	V	1	1.00

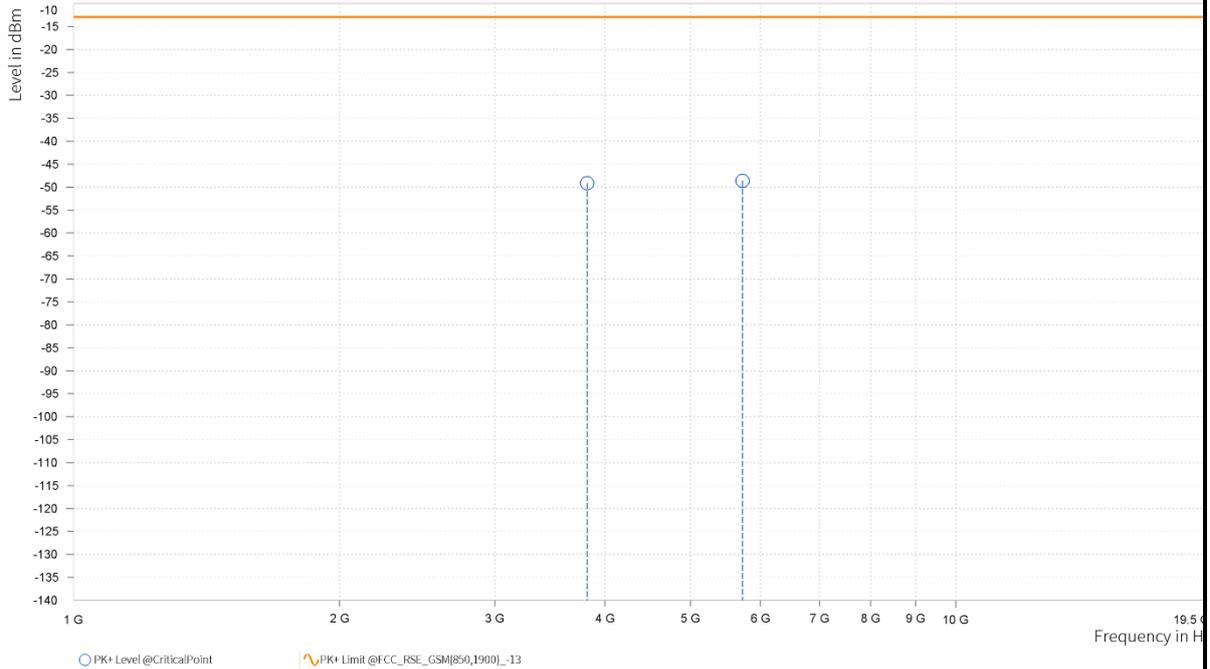




<b>MODE</b>	TX channel 810	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,819.600	-49.11	-13.00	36.11	22.23	H	359	2.00
4	5,729.400	-48.62	-13.00	35.62	25.33	H	1	1.00

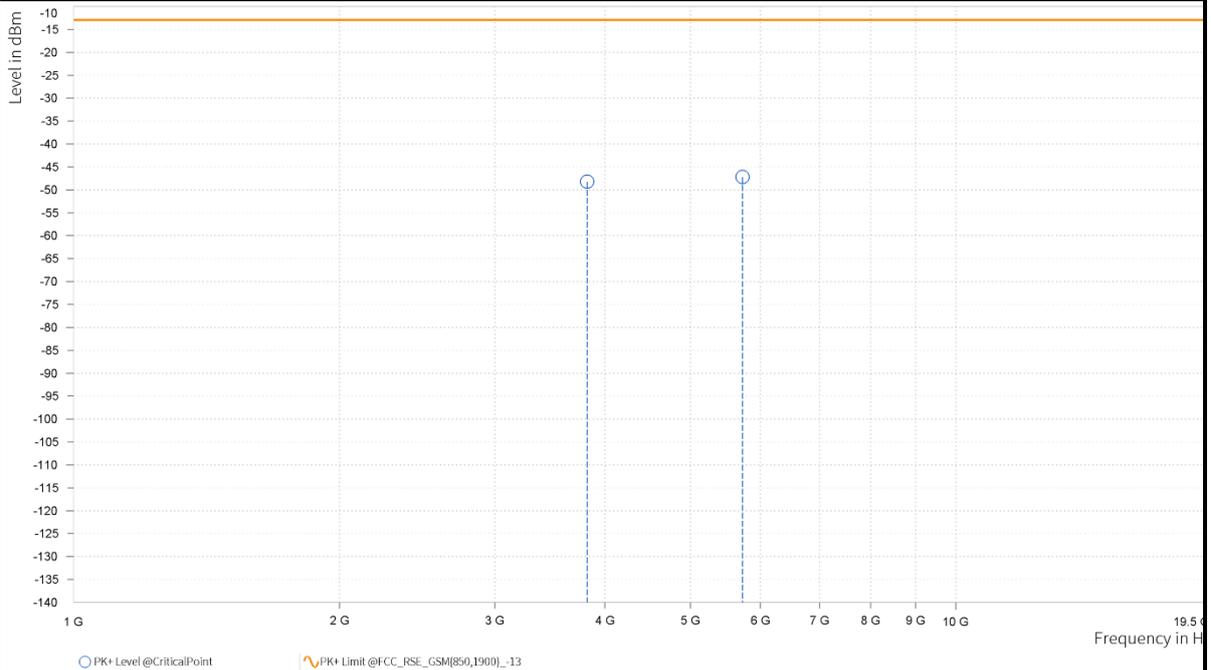




<b>MODE</b>	TX channel 810	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,819.600	-48.21	-13.00	35.21	22.58	V	341.3	1.00
4	5,729.400	-47.19	-13.00	34.19	25.79	V	359	2.00



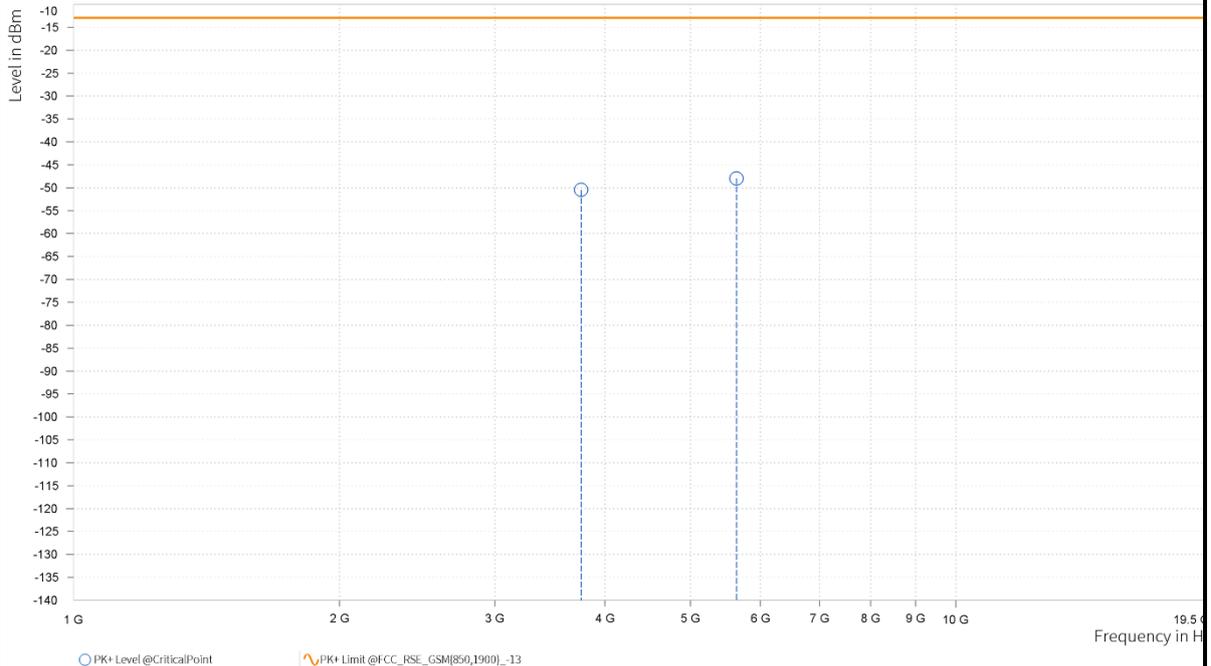


ANT1:

PCS 1900			
<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.46	-13.00	37.46	21.64	H	359	1.00
4	5,640.000	-47.97	-13.00	34.97	24.79	H	1	2.00

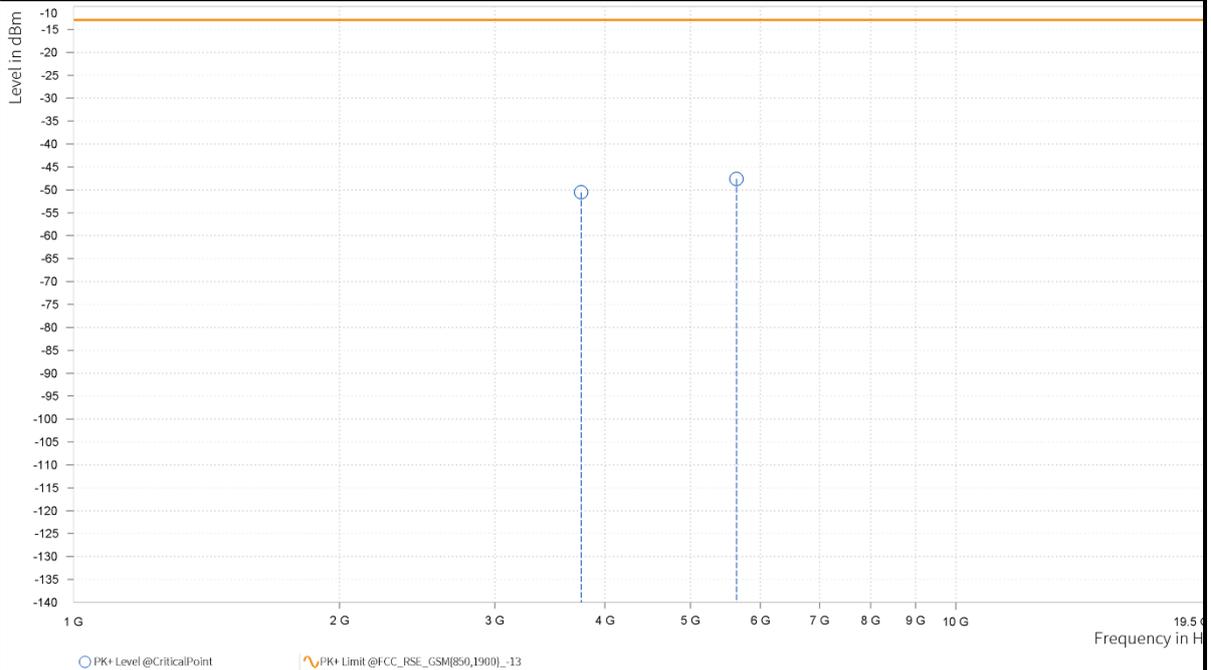




<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.53	-13.00	37.53	22.13	V	244.3	1.00
4	5,640.000	-47.60	-13.00	34.60	25.13	V	116.9	2.00



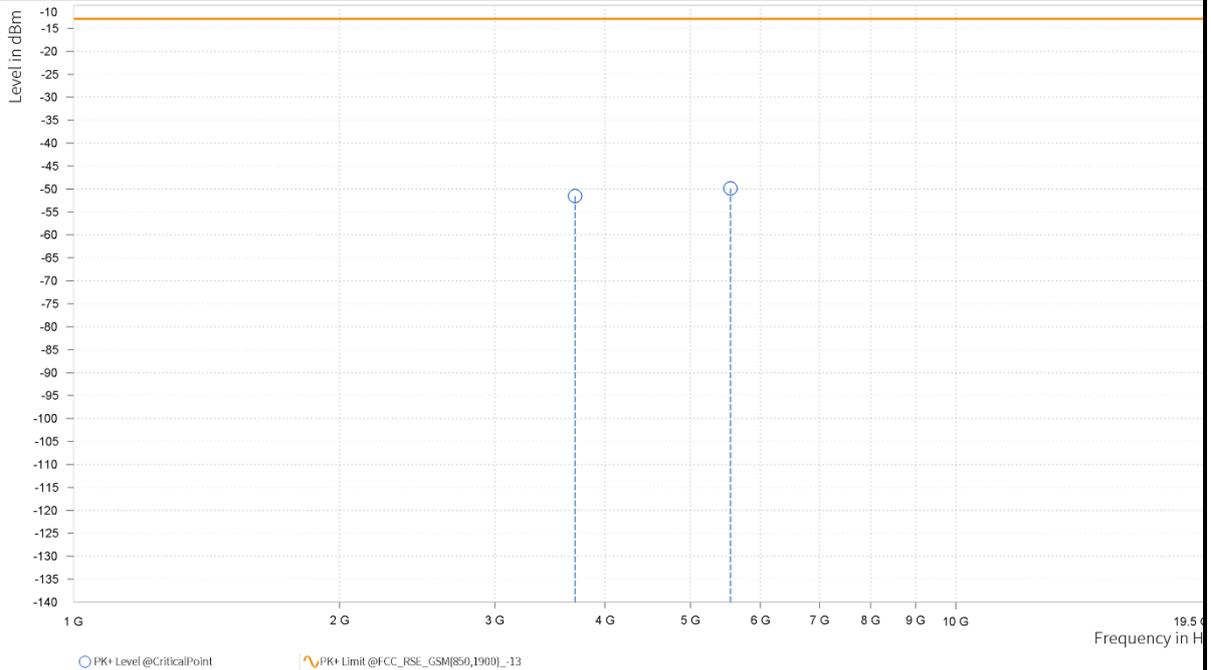


ANT0:

EDGE 1900				
<b>MODE</b>	TX channel 512		<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH		<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu			

**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	3,700.400	-51.57	-13.00	38.57	21.11	H	0.9	2.00
4	5,550.600	-49.87	-13.00	36.87	24.26	H	0.9	2.00

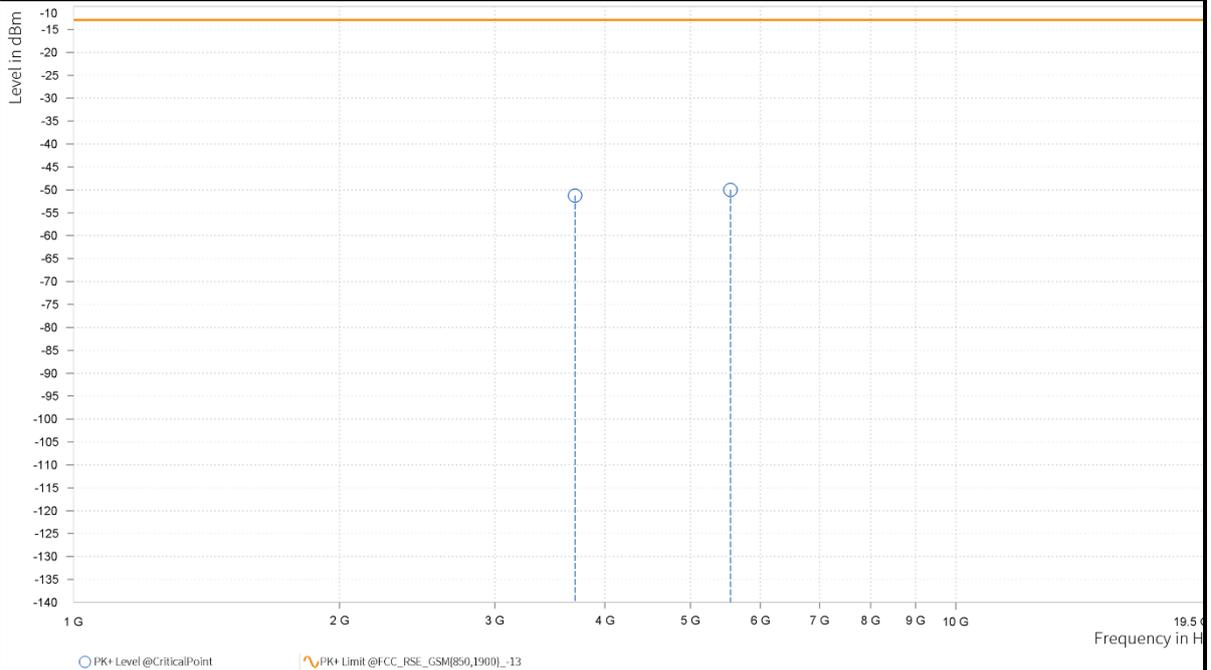




<b>MODE</b>	TX channel 512	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,700.400	-51.24	-13.00	38.24	21.71	V	0.9	2.00
4	5,550.600	-50.01	-13.00	37.01	24.96	V	1	1.00

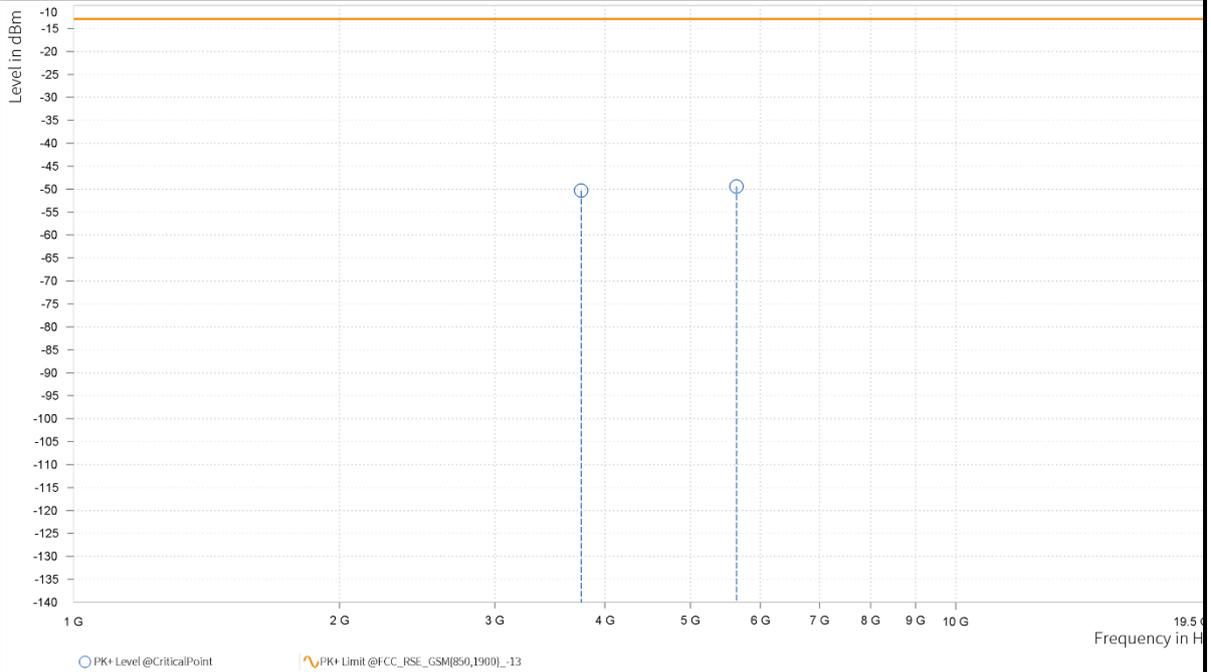




<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.32	-13.00	37.32	21.64	H	1	1.00
4	5,640.000	-49.43	-13.00	36.43	24.79	H	359.1	1.00

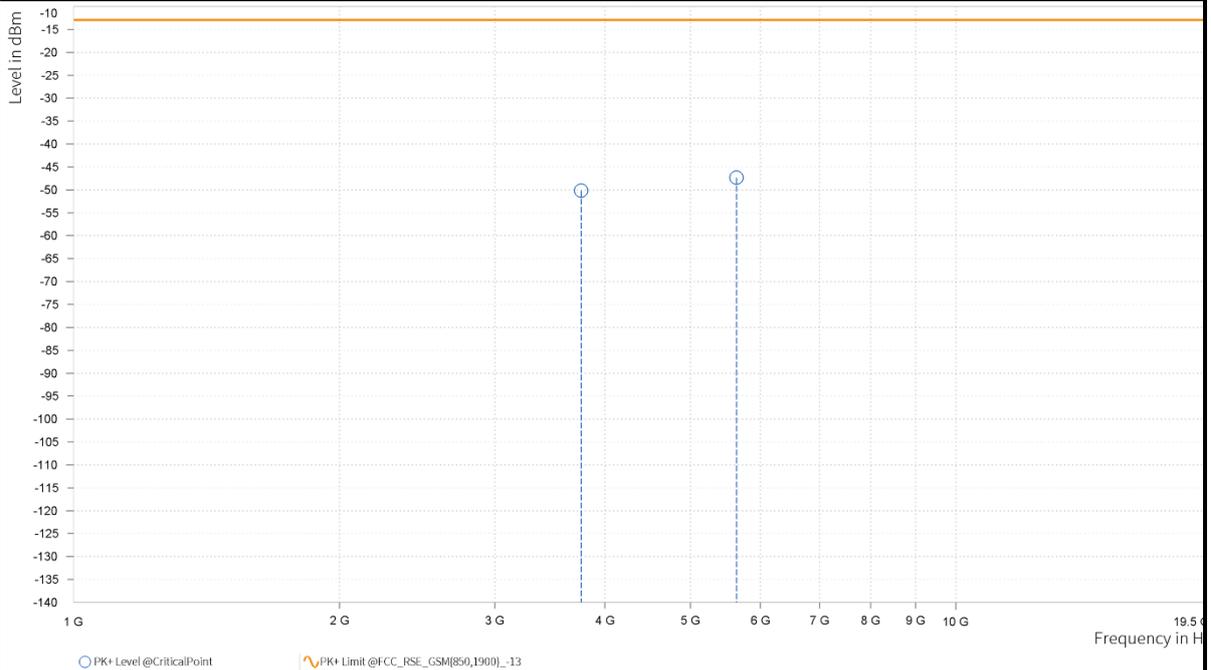




<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.17	-13.00	37.17	22.13	V	359	1.00
4	5,640.000	-47.36	-13.00	34.36	25.13	V	359	1.00

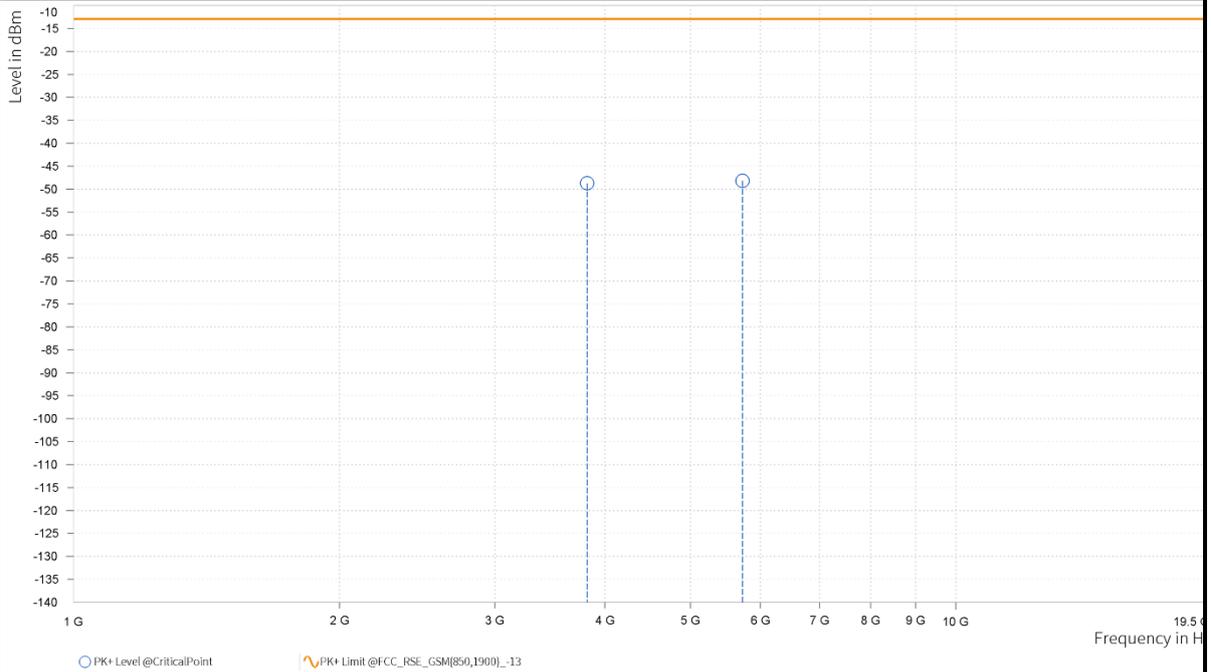




<b>MODE</b>	TX channel 810	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,819.600	-48.74	-13.00	35.74	22.23	H	1	1.00
4	5,729.400	-48.18	-13.00	35.18	25.33	H	359	1.00

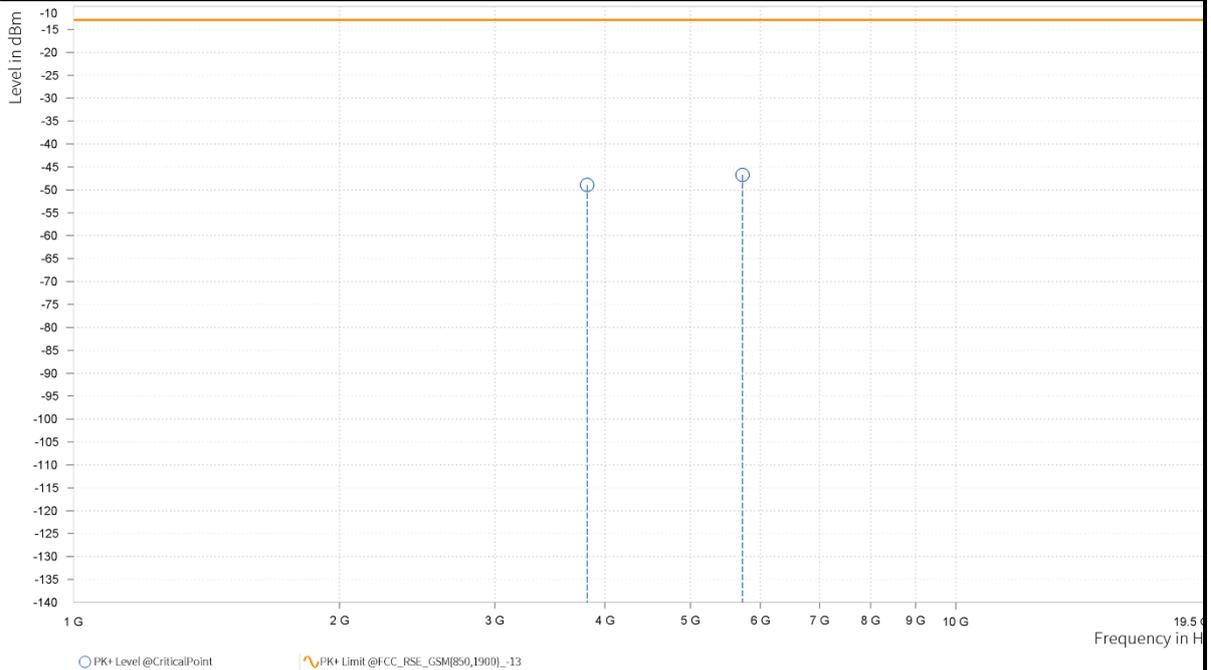




<b>MODE</b>	TX channel 810	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,819.600	-48.94	-13.00	35.94	22.58	V	359	2.00
4	5,729.400	-46.74	-13.00	33.74	25.79	V	1	2.00



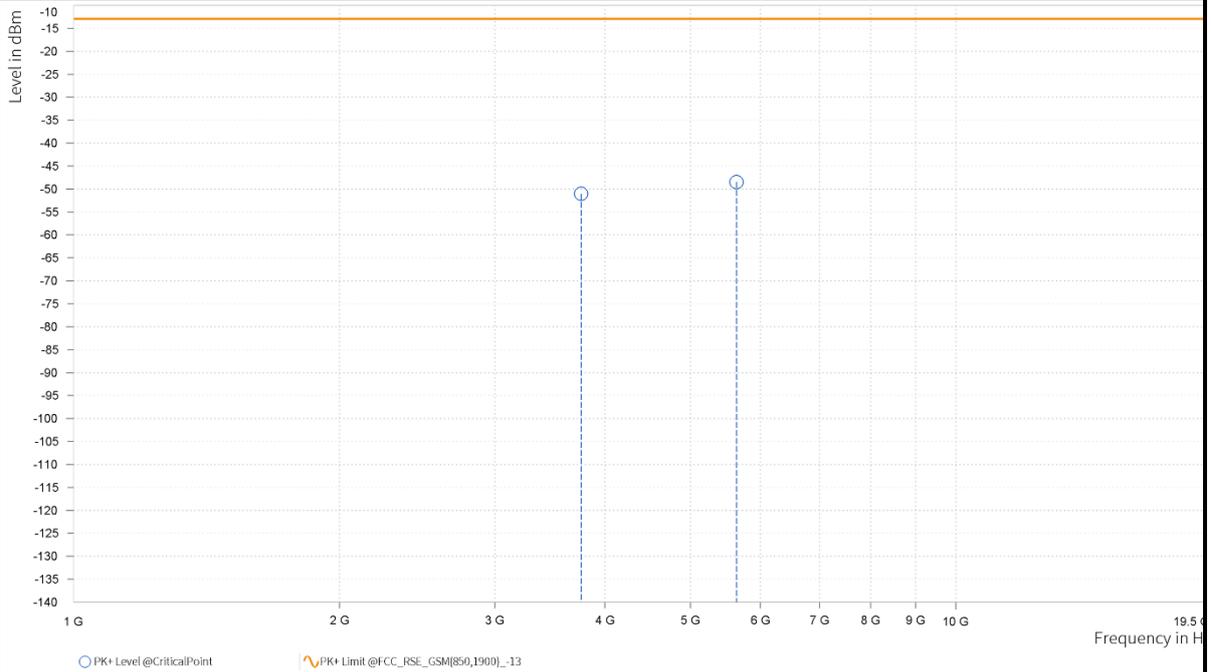


ANT1:

EDGE 1900				
<b>MODE</b>	TX channel 661		<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH		<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu			

**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	3,760.000	-51.06	-13.00	38.06	21.64	H	356.7	1.00
4	5,640.000	-48.47	-13.00	35.47	24.79	H	356.7	1.00



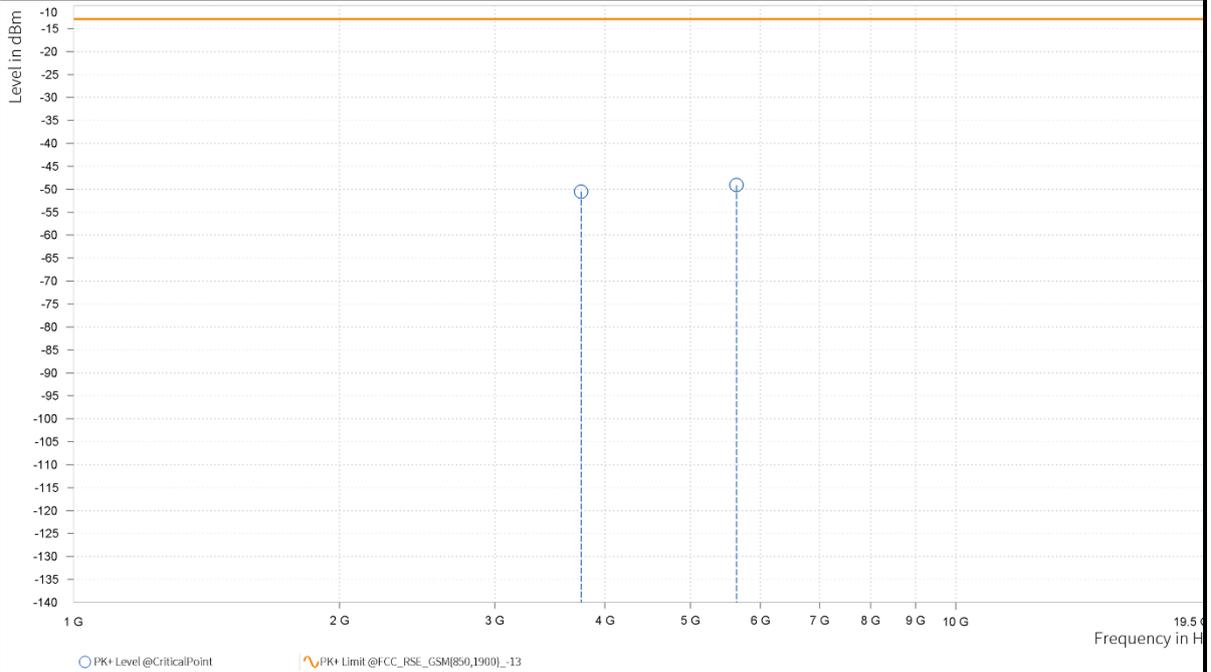


**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02

<b>MODE</b>	TX channel 661	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

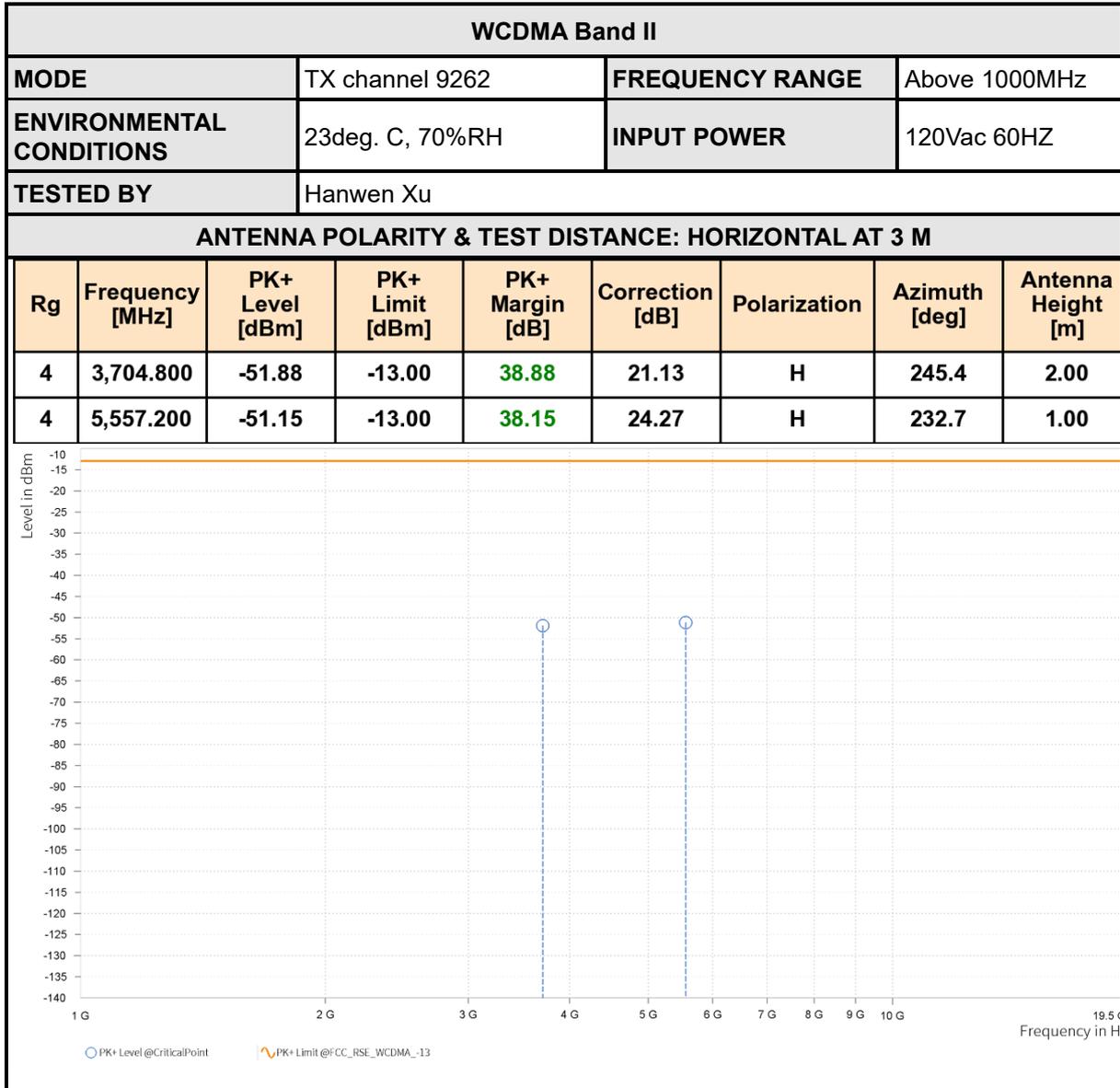
**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,760.000	-50.49	-13.00	37.49	22.13	V	359.1	1.00
4	5,640.000	-49.08	-13.00	36.08	25.13	V	359.1	1.00





**ANT0:**

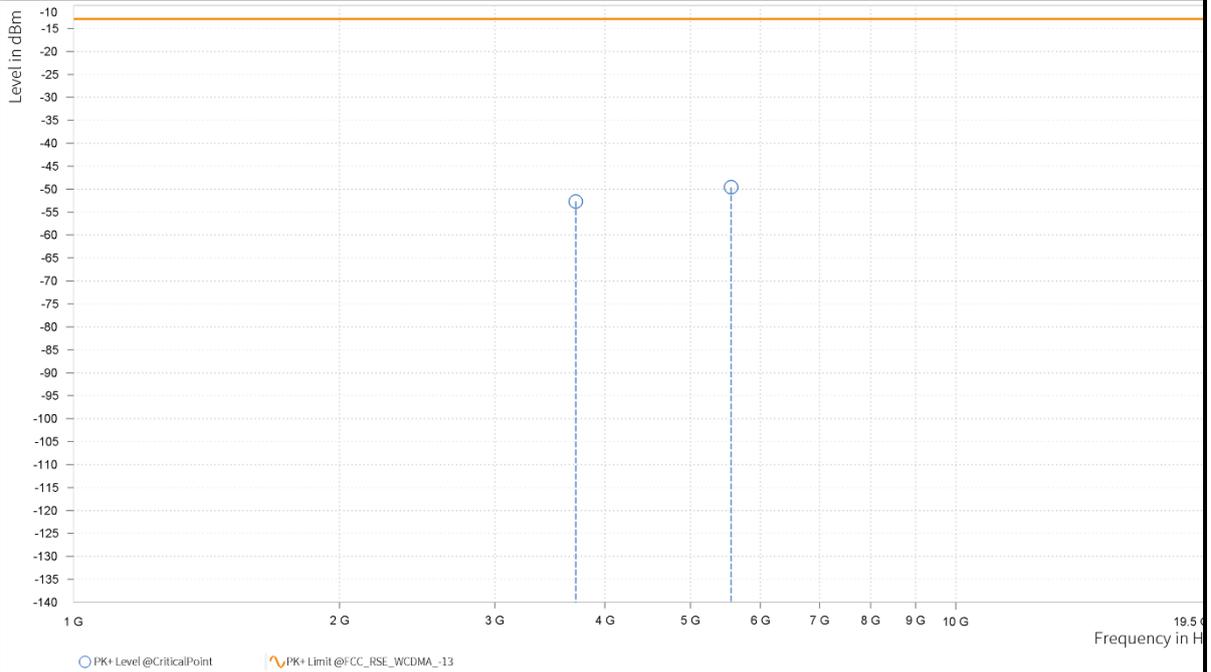




<b>MODE</b>	TX channel 9262	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,704.800	-52.70	-13.00	39.70	21.74	V	359.1	1.00
4	5,557.200	-49.60	-13.00	36.60	24.97	V	359.1	1.00

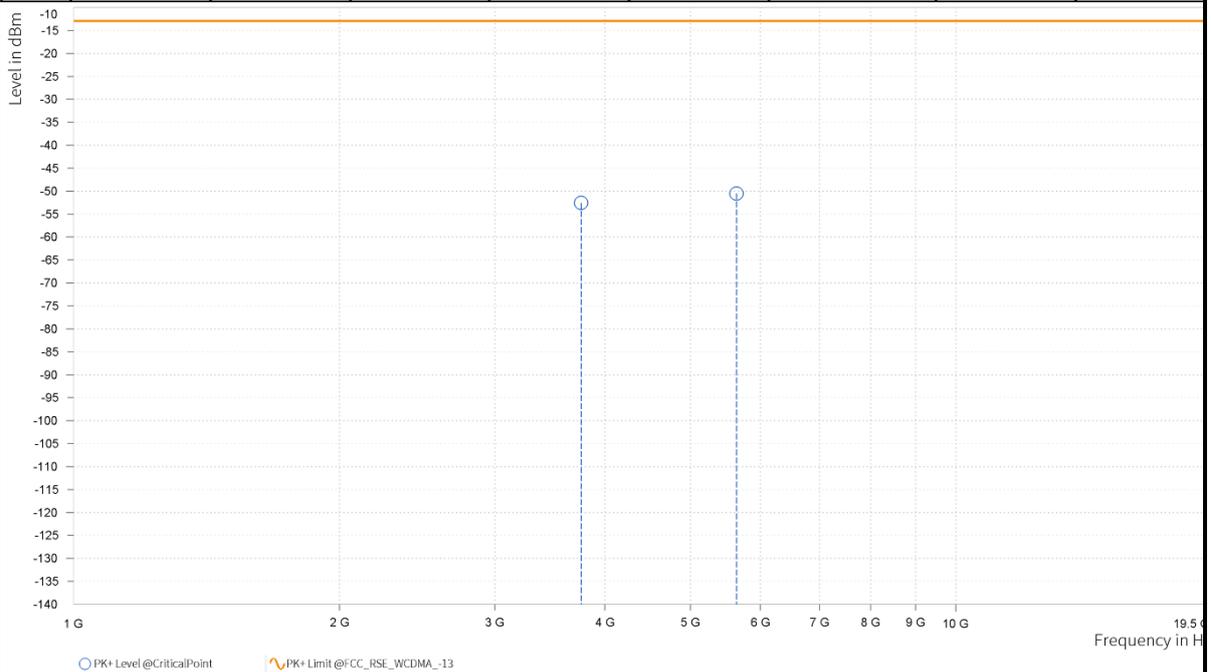




<b>MODE</b>	TX channel 9400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-52.59	-13.00	39.59	21.64	H	1	2.00
4	5,640.000	-50.50	-13.00	37.50	24.79	H	289.4	1.00

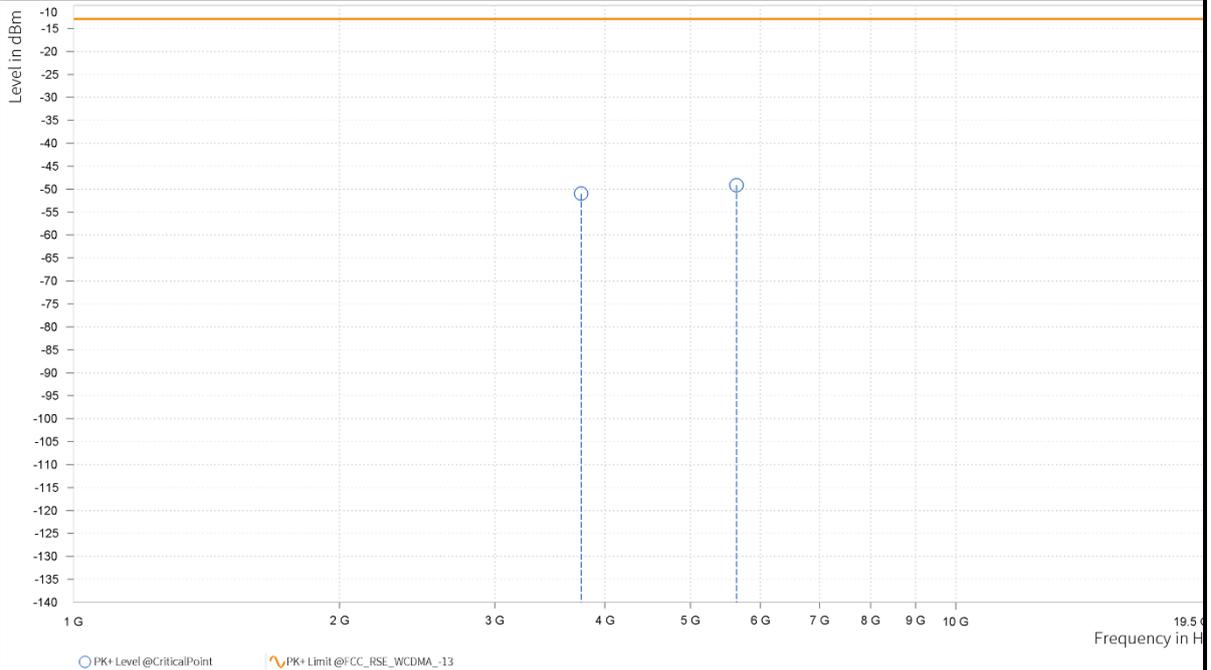




<b>MODE</b>	TX channel 9400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.97	-13.00	37.97	22.13	V	1	1.00
4	5,640.000	-49.14	-13.00	36.14	25.13	V	209.4	1.00

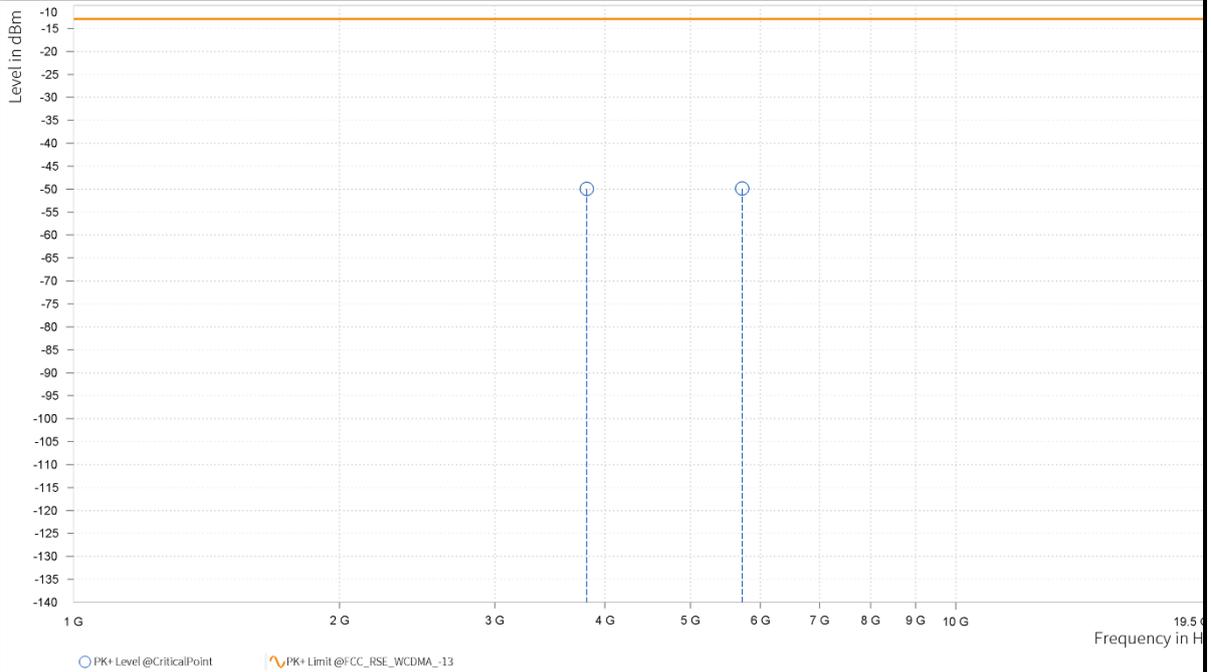




<b>MODE</b>	TX channel 9538	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,815.200	-49.96	-13.00	36.96	22.23	H	359	2.00
4	5,722.800	-49.91	-13.00	36.91	25.28	H	146.5	2.00

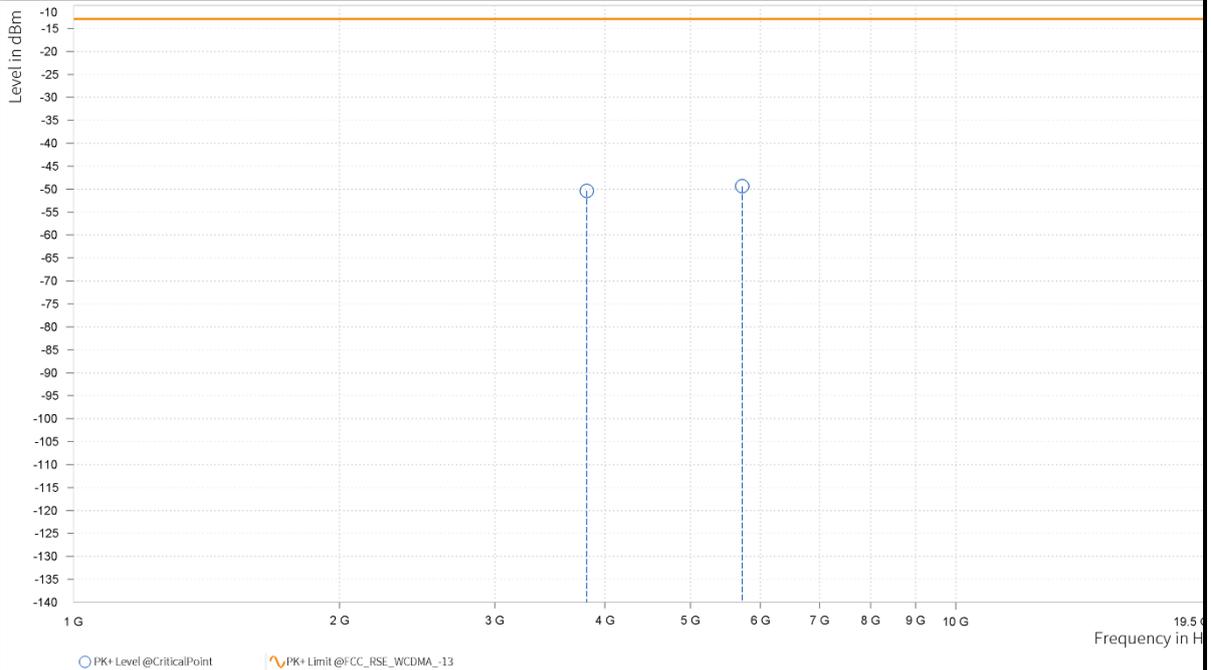




<b>MODE</b>	TX channel 9538	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

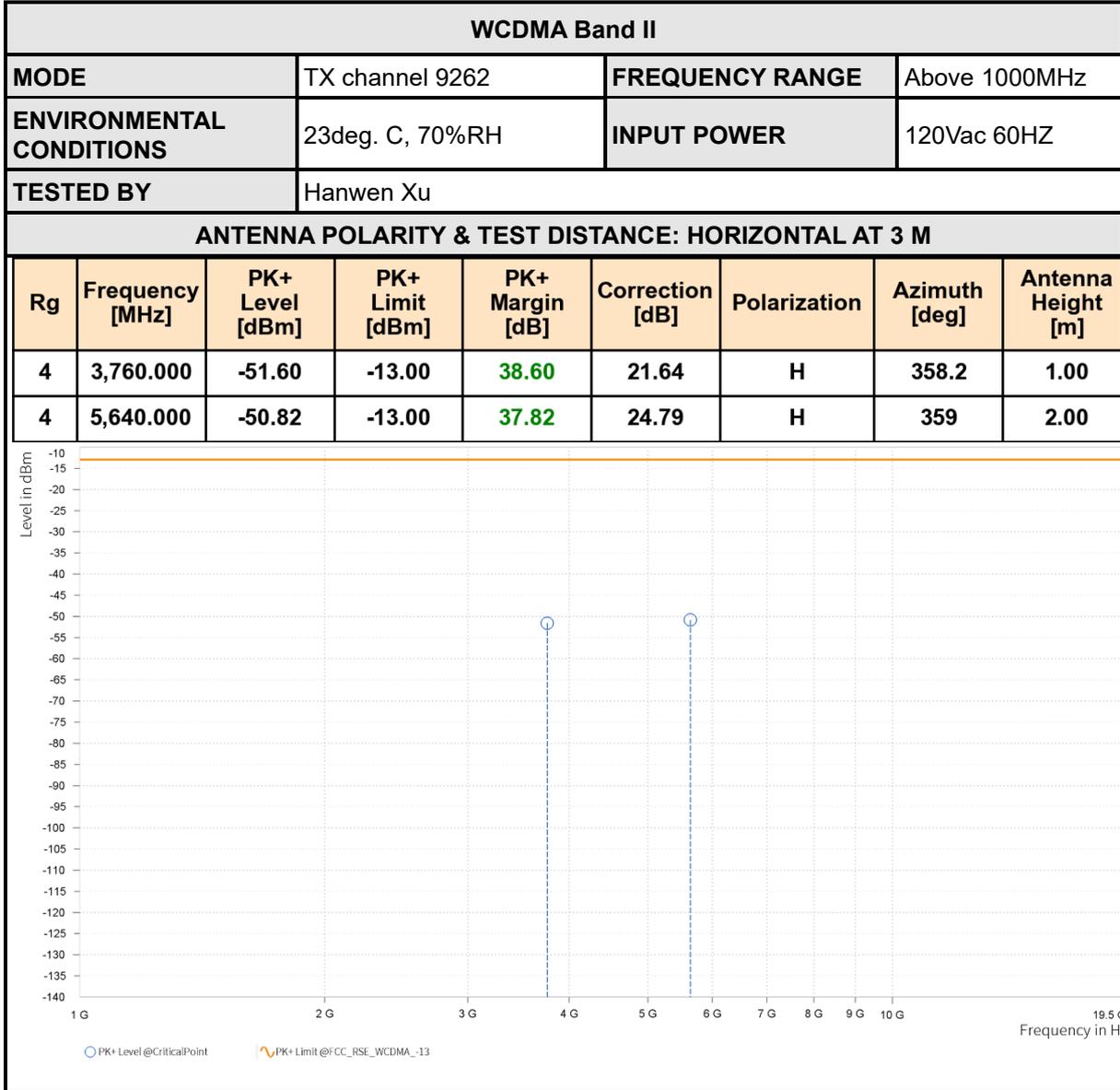
**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,815.200	-50.35	-13.00	37.35	22.55	V	64.3	2.00
4	5,722.800	-49.38	-13.00	36.38	25.73	V	342.3	1.00





ANT1:

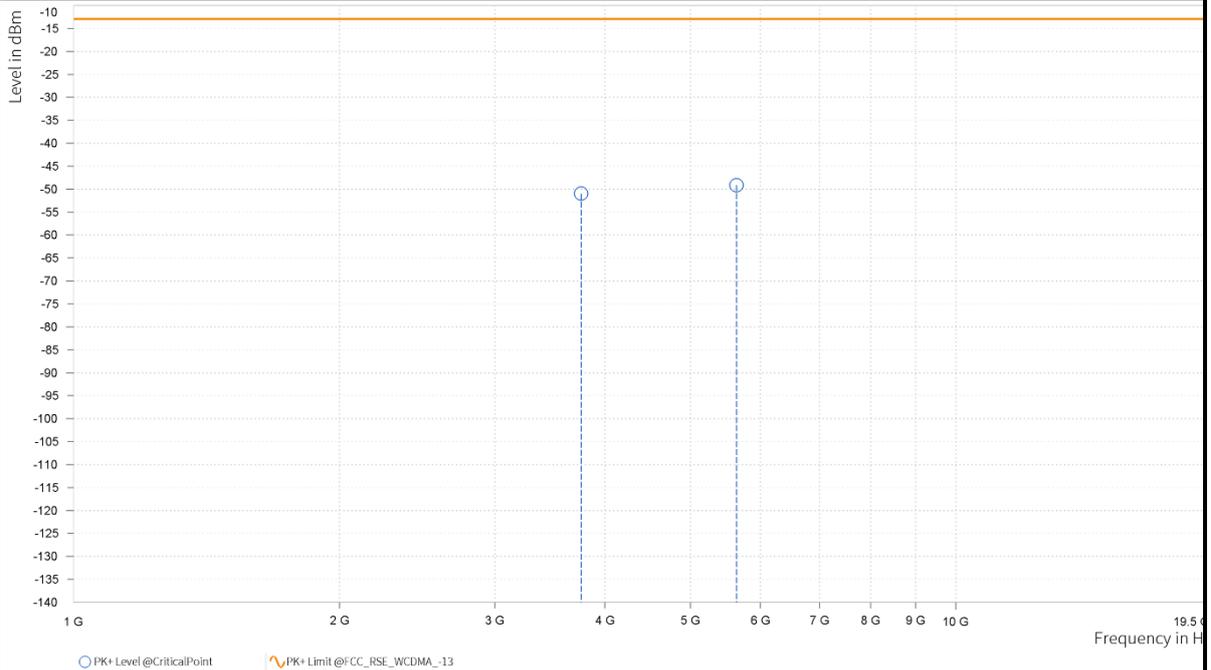




<b>MODE</b>	TX channel 9262	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	120Vac 60HZ
<b>TESTED BY</b>	Hanwen Xu		

**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	3,760.000	-50.97	-13.00	37.97	22.13	V	1	1.00
4	5,640.000	-49.14	-13.00	36.14	25.13	V	209.4	1.00



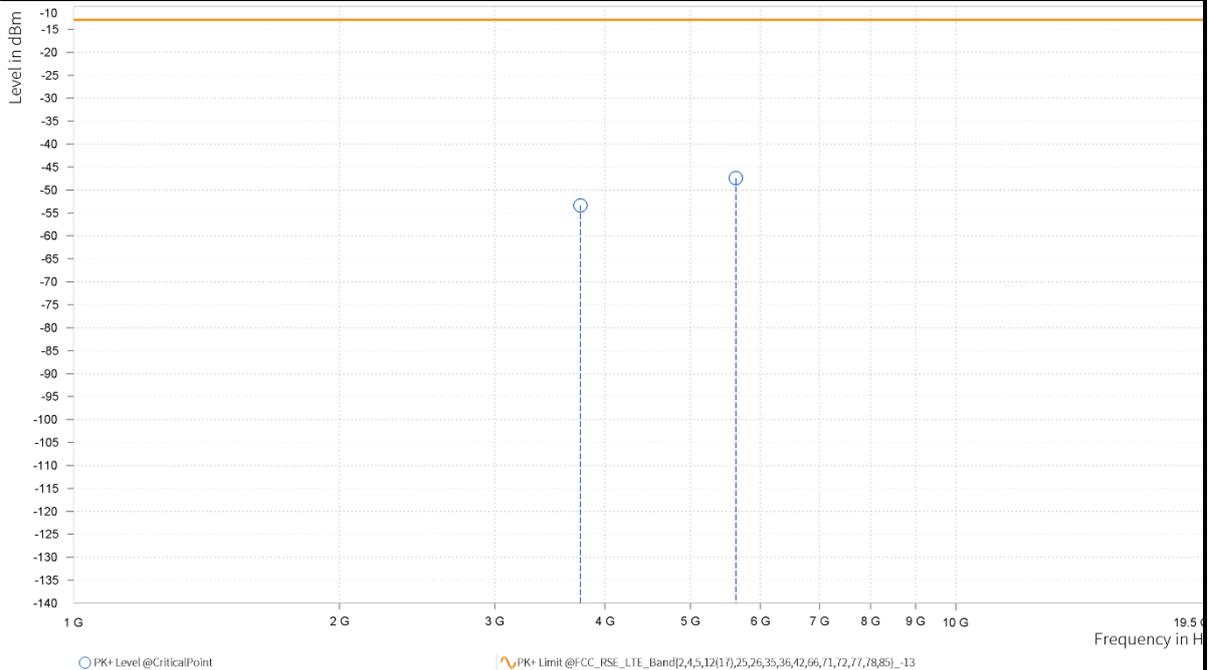


**ANT0:**

LTE Band 2			
<b>CHANNEL BANDWIDTH</b>	10MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,751.000	-53.36	-13.00	40.36	21.46	H	82.7	2.00
4	5,626.500	-47.43	-13.00	34.43	24.71	H	36	2.00

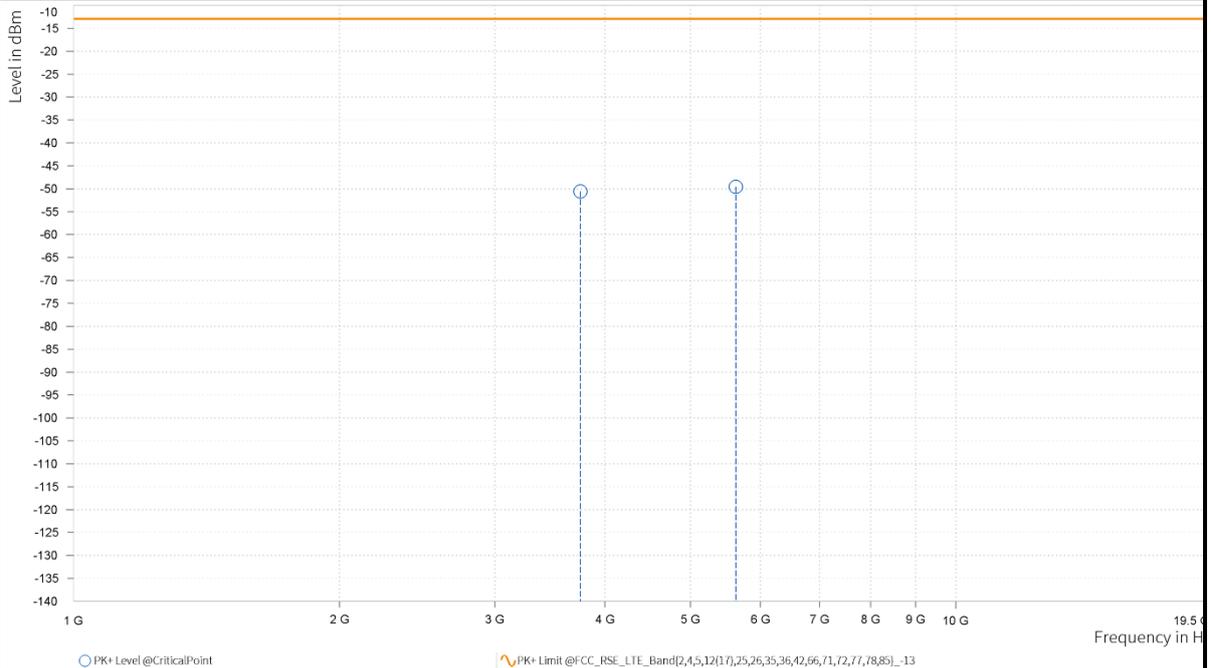




<b>CHANNEL BANDWIDTH</b>	10MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

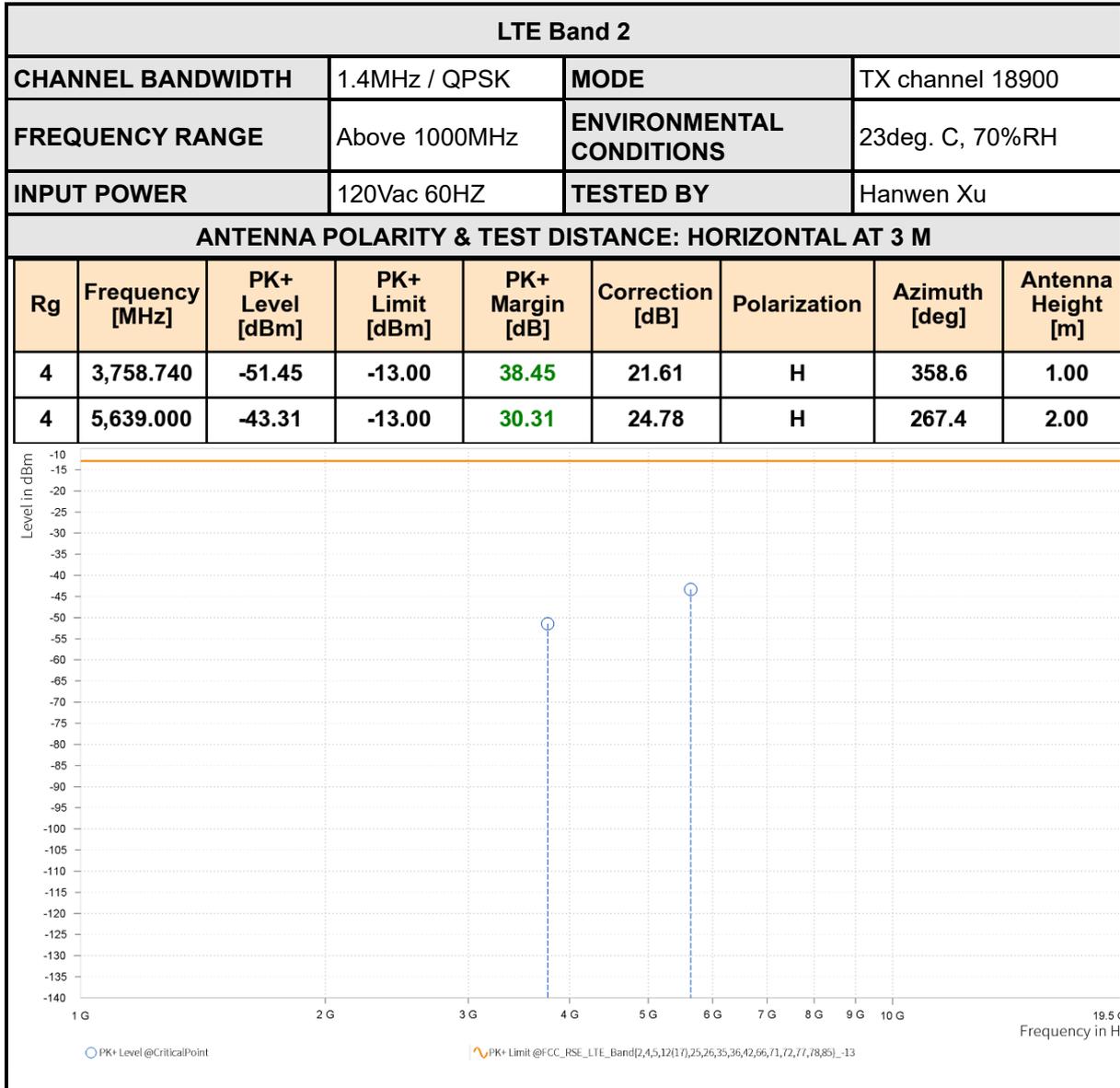
**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,751.000	-50.60	-13.00	37.60	22.07	V	181	1.00
4	5,626.500	-49.56	-13.00	36.56	25.07	V	358.6	1.00





ANT1:

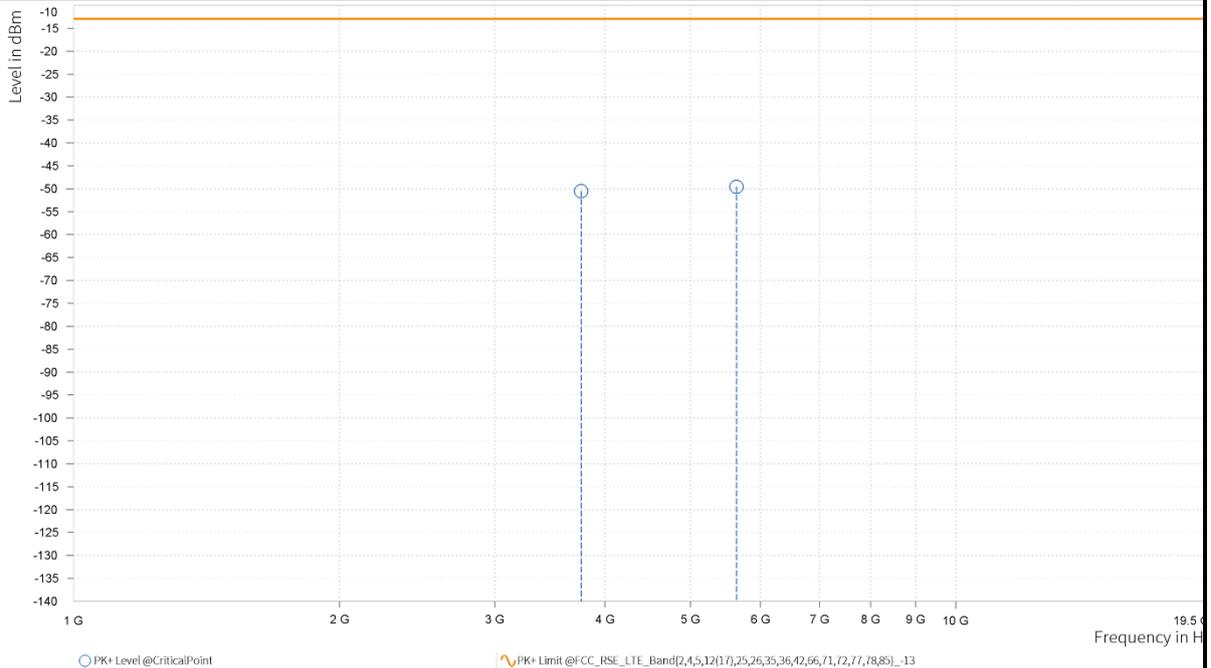




<b>CHANNEL BANDWIDTH</b>	1.4MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,758.740	-50.49	-13.00	37.49	22.12	V	77	2.00
4	5,638.110	-49.56	-13.00	36.56	25.12	V	26.8	2.00



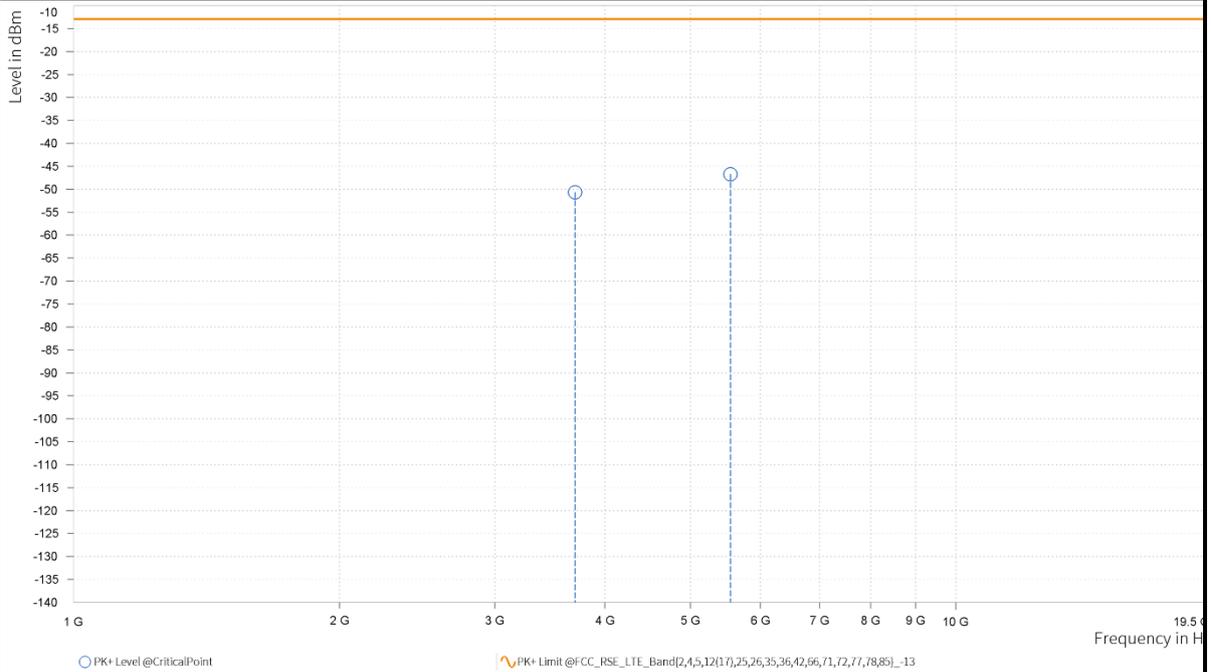


**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02

<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 18700
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,700.300	-50.67	-13.00	37.67	21.11	H	93.2	1.00
4	5,550.500	-46.73	-13.00	33.73	24.26	H	339.5	1.00

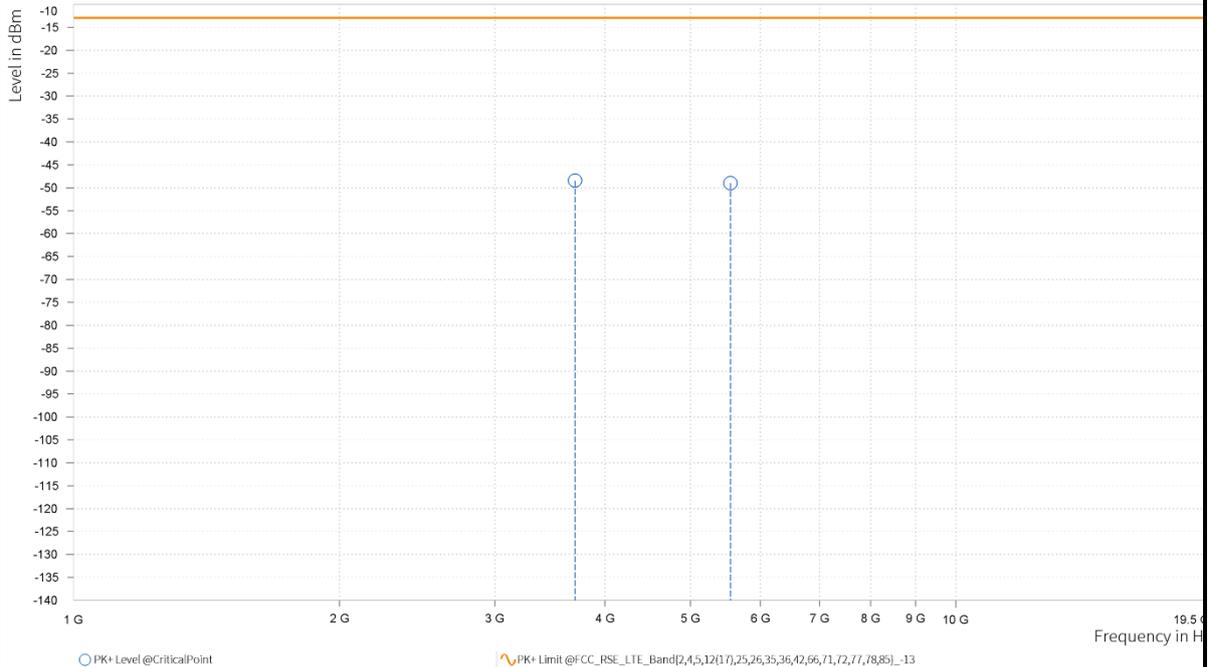




<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 18700
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,700.300	-48.45	-13.00	35.45	21.71	V	343.8	1.00
4	5,550.450	-48.98	-13.00	35.98	24.96	V	123	2.00

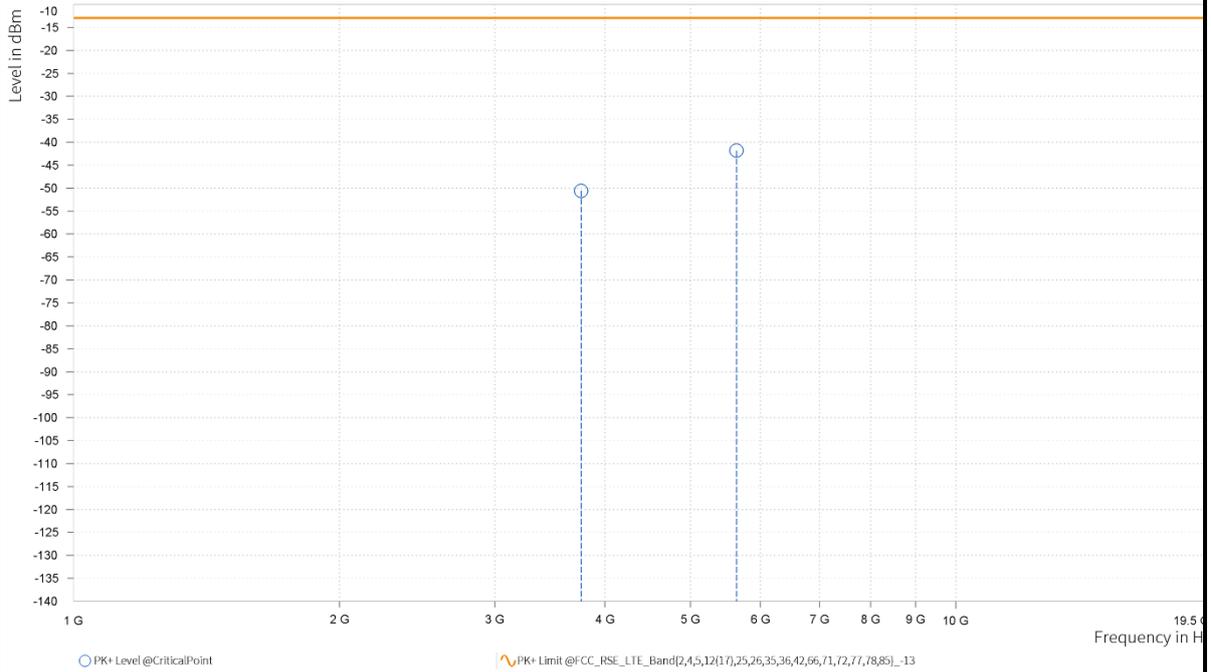




<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,757.300	-50.57	-13.00	37.57	21.59	H	282.2	1.00
4	5,636.500	-41.83	-13.00	28.83	24.77	H	282.2	1.00

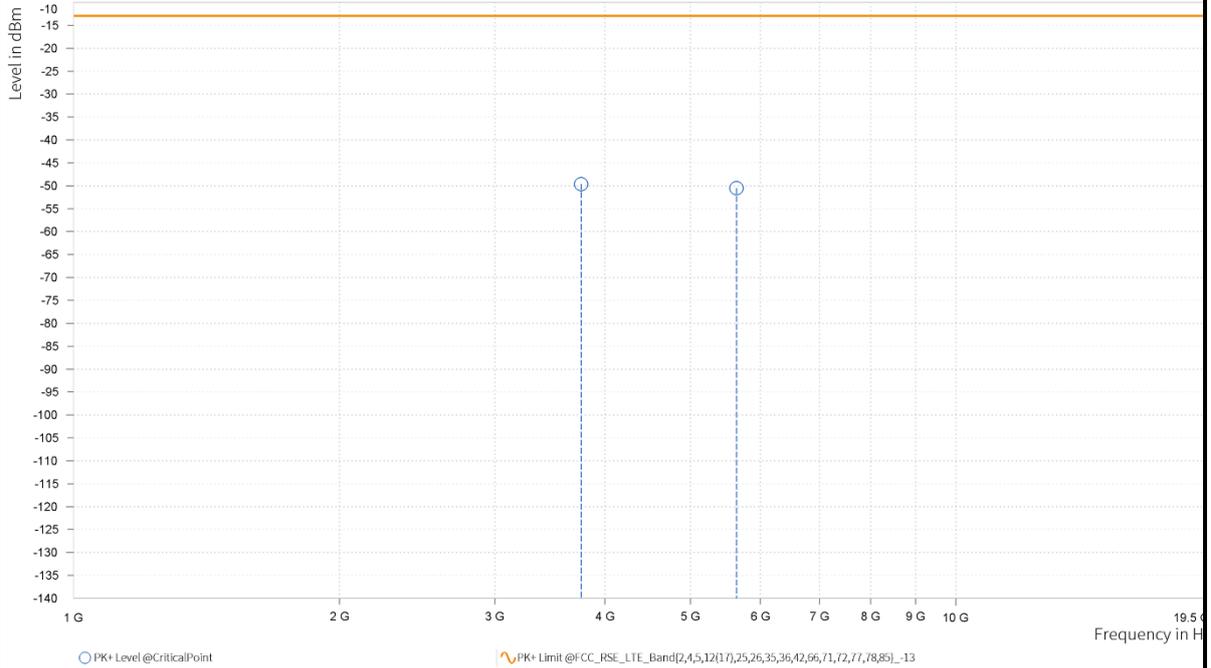




<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,757.300	-49.62	-13.00	36.62	22.11	V	17	2.00
4	5,635.950	-50.49	-13.00	37.49	25.11	V	183.9	1.00



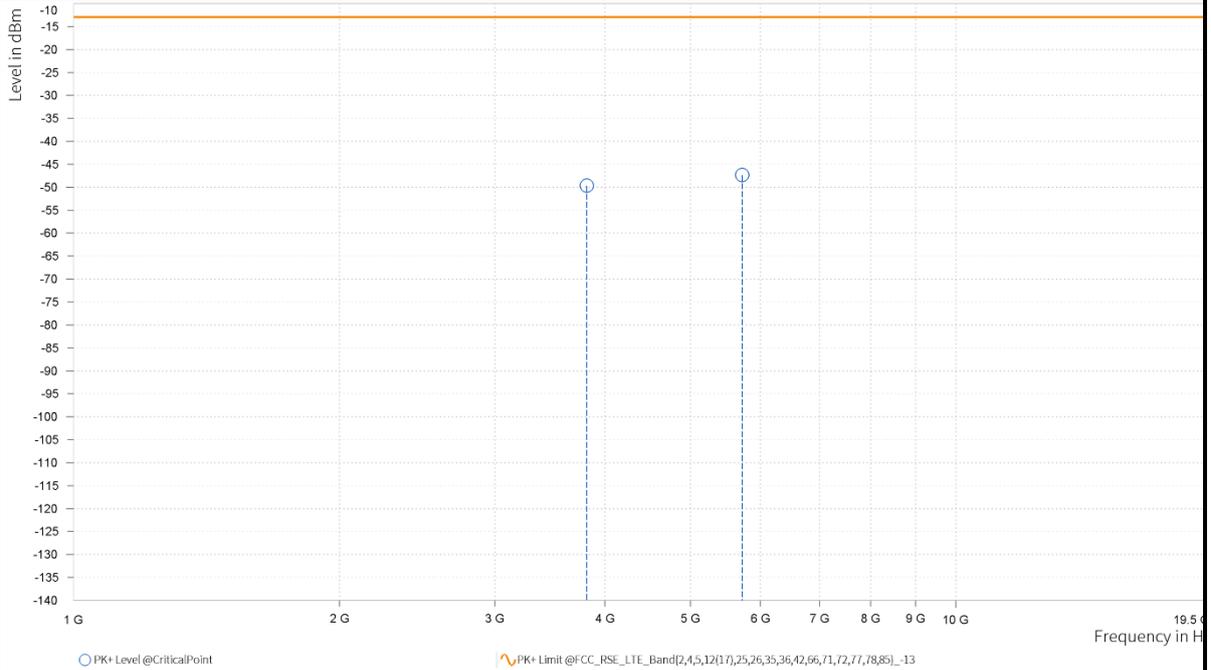


**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02

<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 19100
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,814.300	-49.66	-13.00	36.66	22.23	H	287.1	1.00
4	5,721.450	-47.35	-13.00	34.35	25.27	H	0.9	2.00

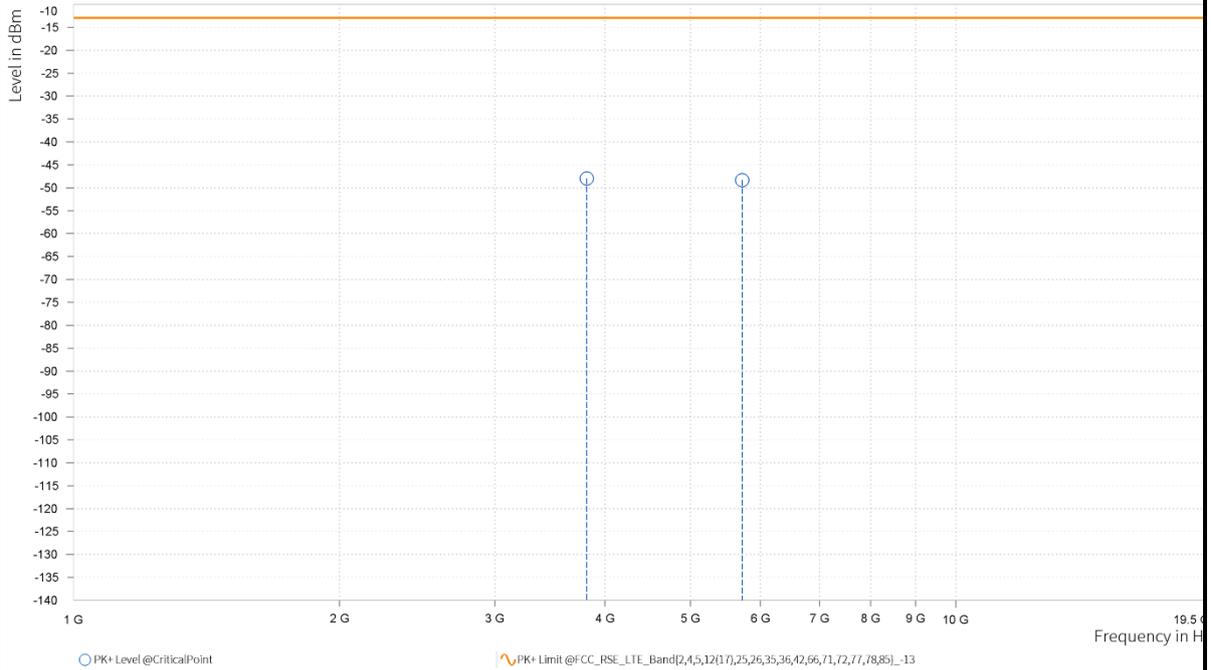




<b>CHANNEL BANDWIDTH</b>	3MHz / QPSK	<b>MODE</b>	TX channel 19100
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,814.300	-47.98	-13.00	34.98	22.55	V	344.6	1.00
4	5,721.450	-48.32	-13.00	35.32	25.72	V	173.3	2.00



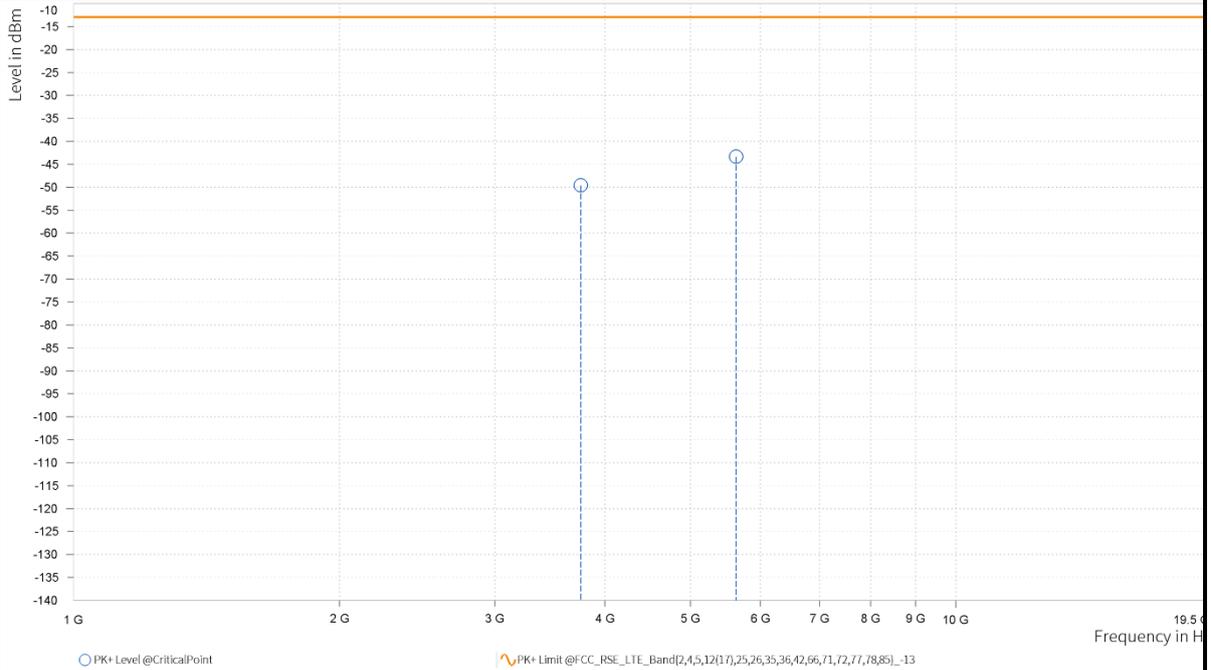


**BUREAU VERITAS** Test Report No.: PSU-QBJ2508070215RF02

<b>CHANNEL BANDWIDTH</b>	5MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,755.500	-49.60	-13.00	36.60	21.55	H	93.9	1.00
4	5,633.500	-43.34	-13.00	30.34	24.76	H	336.7	1.00





<b>CHANNEL BANDWIDTH</b>	5MHz / QPSK	<b>MODE</b>	TX channel 18900
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**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	3,755.500	-49.48	-13.00	36.48	22.10	V	22.6	2.00
4	5,633.250	-49.33	-13.00	36.33	25.09	V	184.5	1.00

