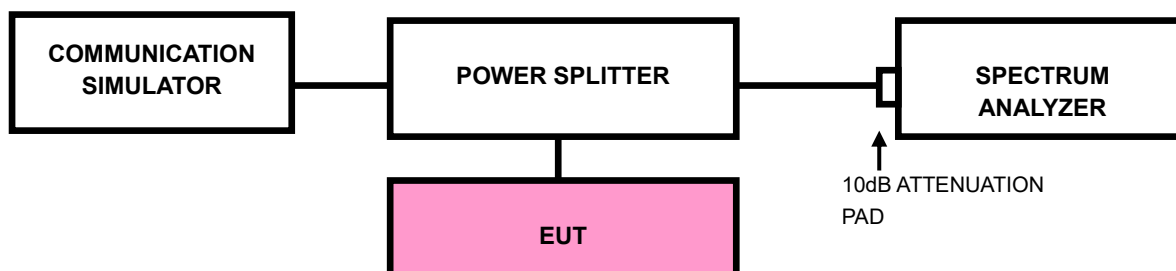


### 3.4 BAND EDGE MEASUREMENT

#### 3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC 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 that  $43 + 10 \log (P)$  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.

#### 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.



Test Report No.: W7L-P23030005RF06

### 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

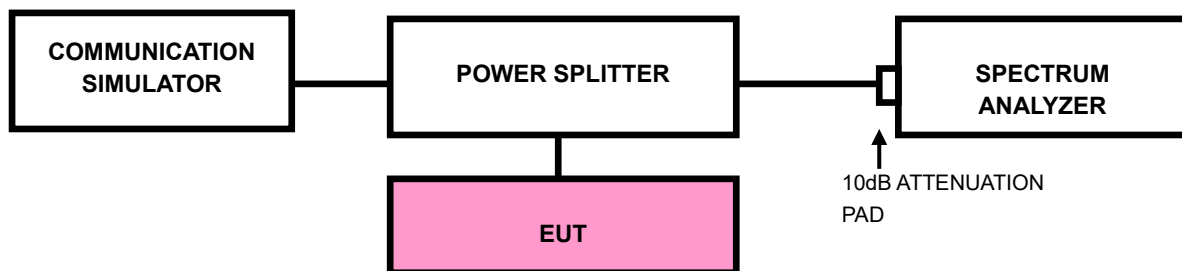
For: LTE Band7

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 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.



**Test Report No.: W7L-P23030005RF06**



### 3.6 RADIATED EMISSION MEASUREMENT

#### 3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

For: LTE Band7

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.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn.}$
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi.}$

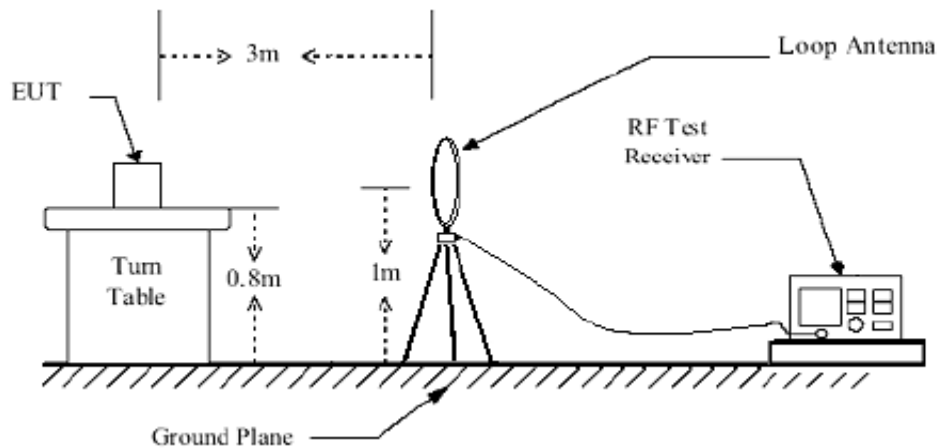
**NOTE:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

#### 3.6.3 DEVIATION FROM TEST STANDARD

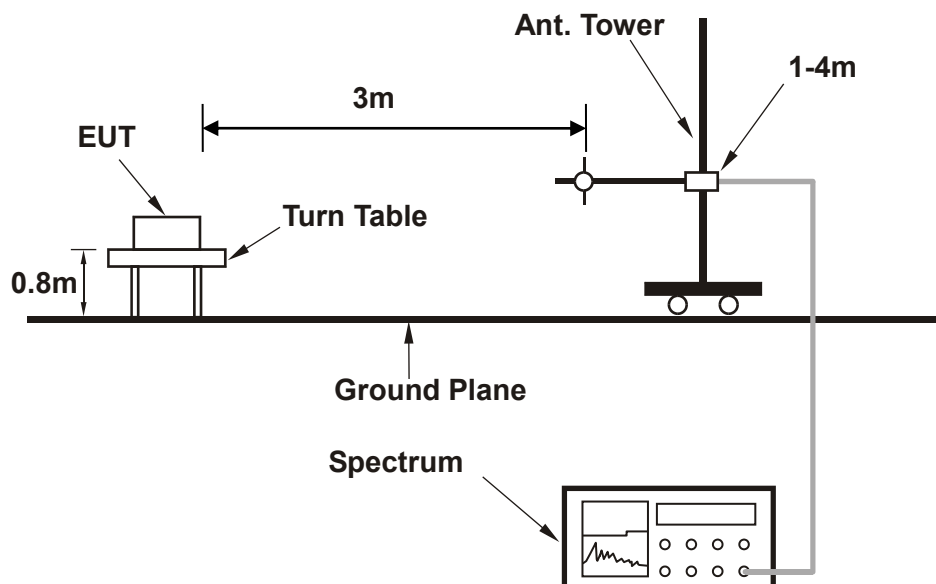
No deviation

### 3.6.4 TEST SETUP

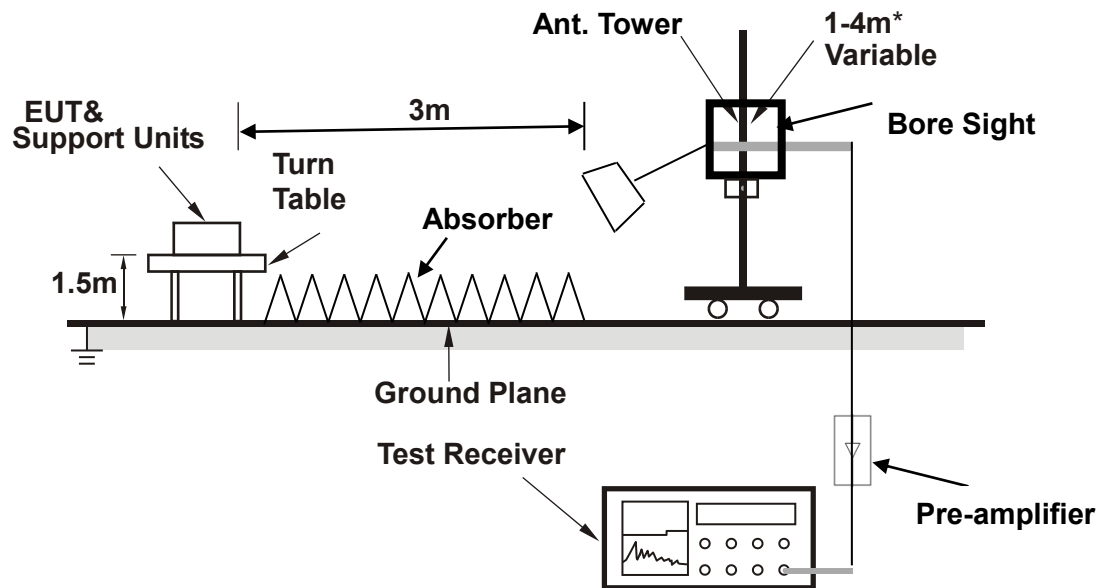
#### < Frequency Range below 30MHz >



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



<Frequency Range above 1GHz>



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

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





### 3.6.5 TEST RESULTS

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

30 MHz – 1GHz data:

LTE Band 7(Ant4)

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	54.050	-68.64	-25.00	43.64	-5.34	H	202.7	1
1	93.000	-77.59	-25.00	52.59	-10.38	H	162	2
1	183.250	-67.50	-25.00	42.50	-10.29	H	5.1	1
1	294.800	-65.40	-25.00	40.40	-4.76	H	5.1	1
1	443.400	-74.83	-25.00	49.83	-0.40	H	162	2
2	769.963	-74.24	-25.00	49.24	2.57	H	276.9	1

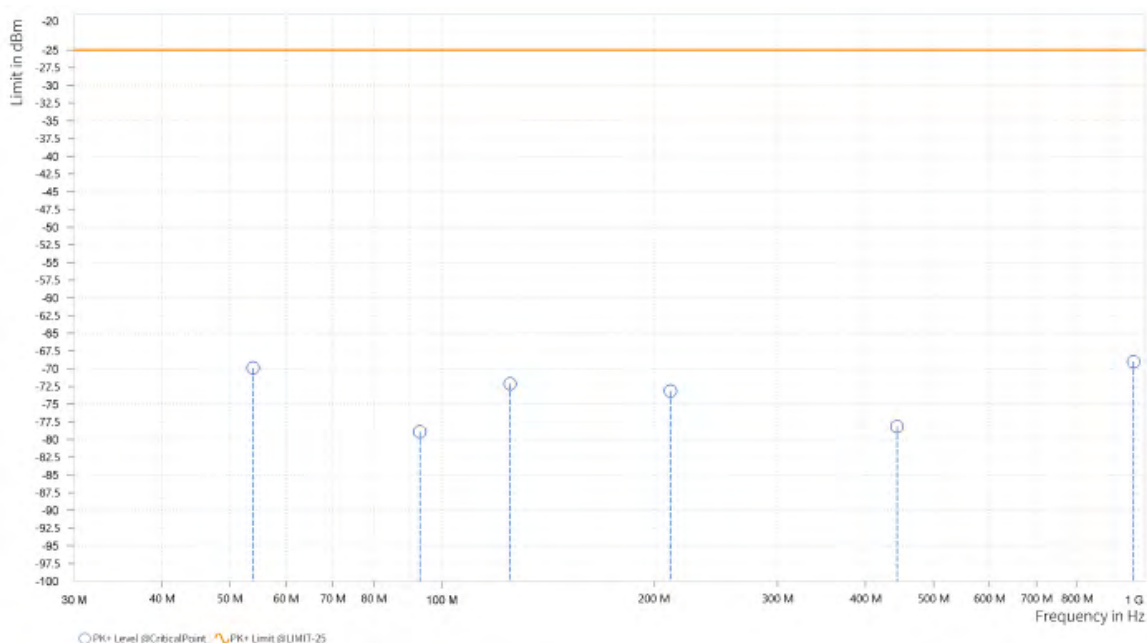




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	53.900	-69.88	-25.00	44.88	-5.21	V	0.9	2
1	93.050	-78.92	-25.00	53.92	-8.85	V	359	2
1	125.000	-72.13	-25.00	47.13	-9.65	V	0.9	2
1	211.200	-73.13	-25.00	48.13	-9.90	V	158.4	2
1	443.600	-78.17	-25.00	53.17	-3.35	V	5.1	1
2	961.546	-69.03	-25.00	44.03	10.68	V	0.9	2





BUREAU VERITAS

Test Report No.: W7L-P23030005RF06

ABOVE 1GHz

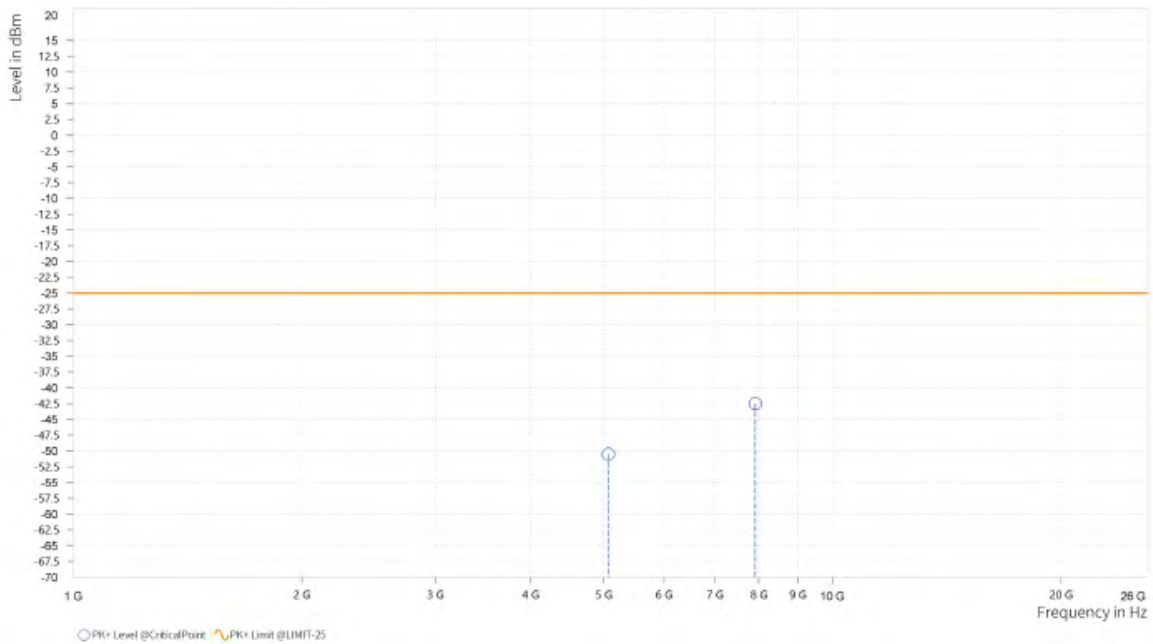
Note: For higher frequency, the emission is too low to be detected.

LTE Band 7(Ant4)

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
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	5,066.500	-50.51	-25.00	25.51	26.92	H	175.1	2
5	7,913.500	-42.49	-25.00	17.49	34.14	H	272.2	1

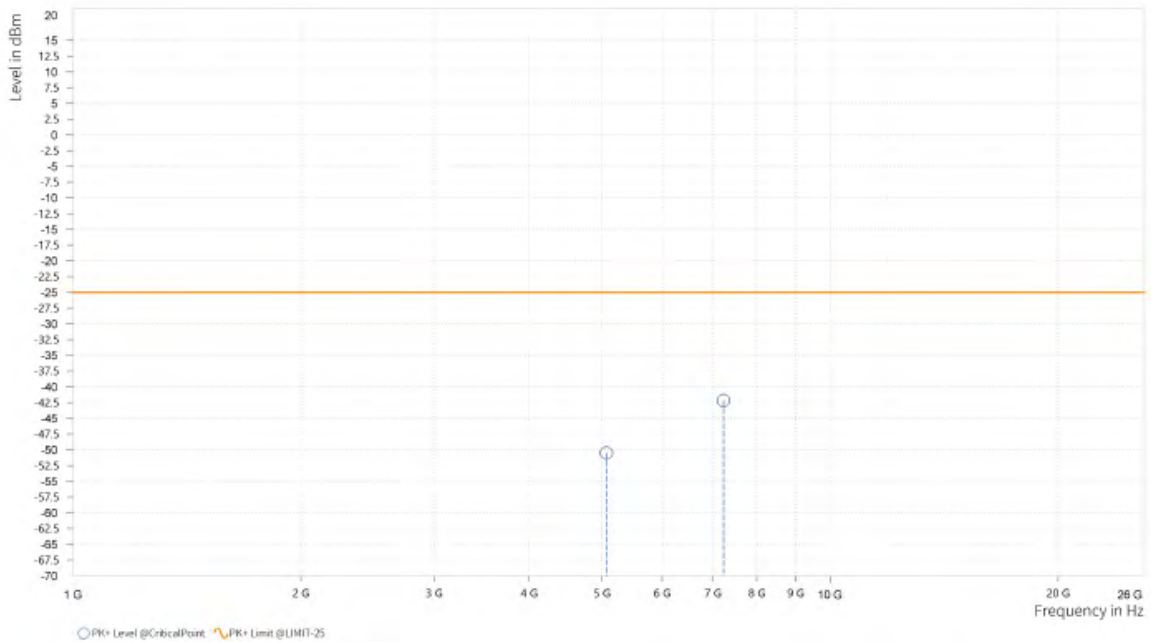




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,064.500	-50.53	-25.00	25.53	26.83	V	1	1
5	7,231.000	-42.16	-25.00	17.16	34.24	V	89	2



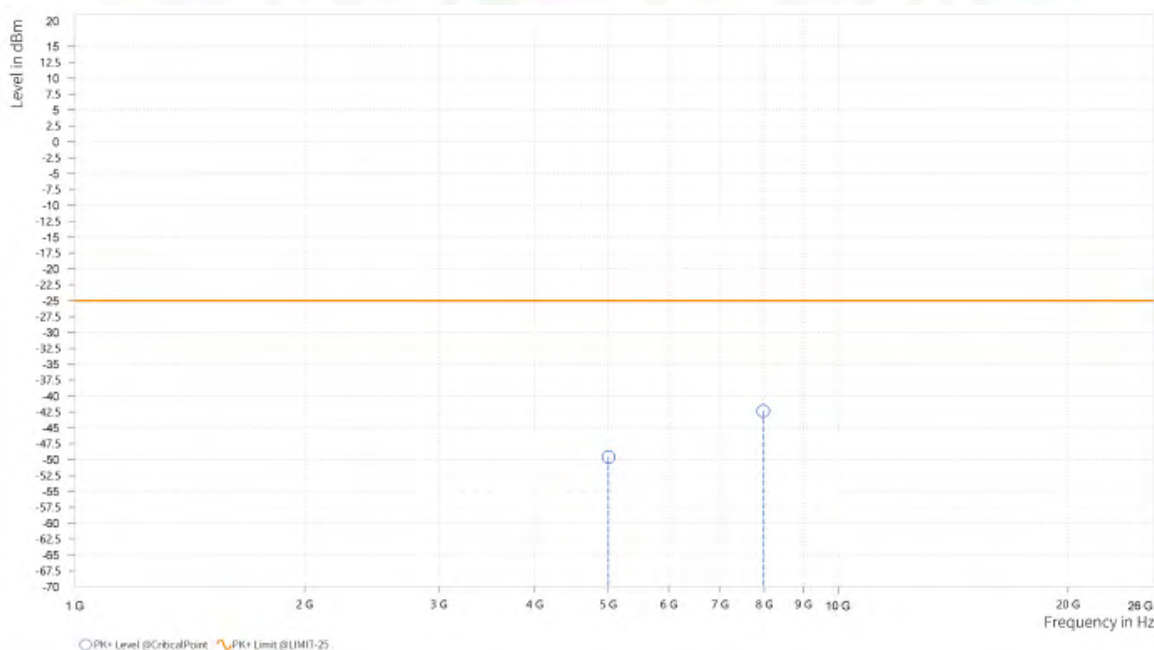


Test Report No.: W7L-P23030005RF06

CHANNEL BANDWIDTH: 10MHz / QPSK  
CH 20800

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,002.000	-49.61	-25.00	24.61	26.73	H	184.7	1
5	7,976.500	-42.35	-25.00	17.35	34.28	H	0.9	2

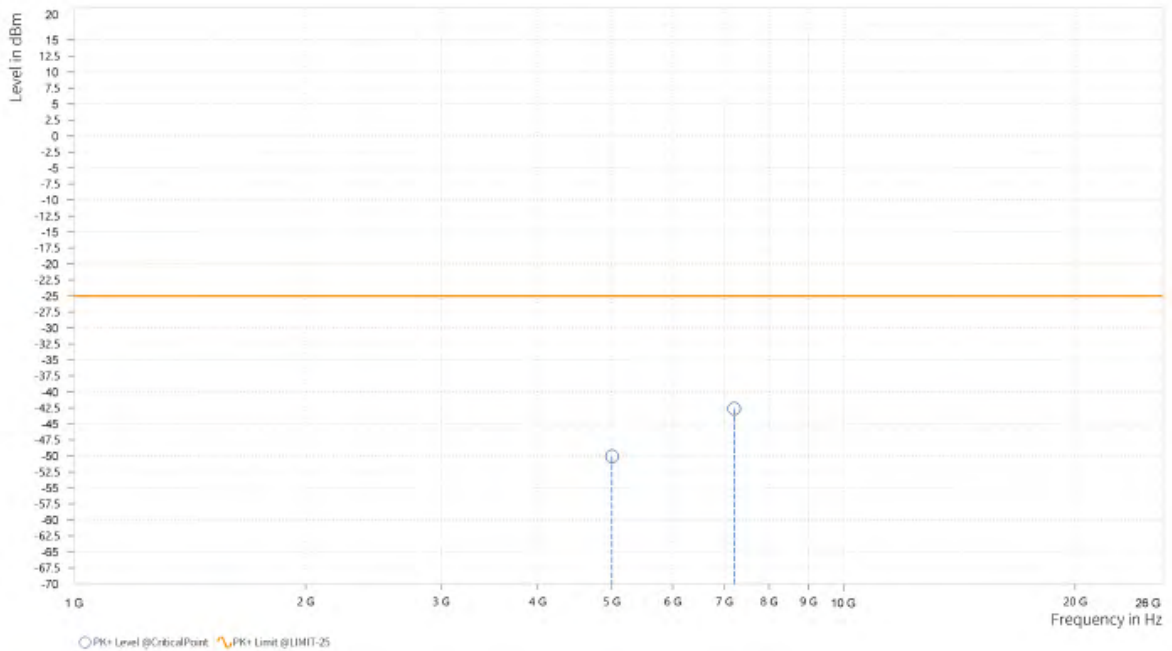




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 20800	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,001.500	-50.06	-25.00	25.06	26.57	V	185.9	1
5	7,207.000	-42.62	-25.00	17.62	33.97	V	359.1	1





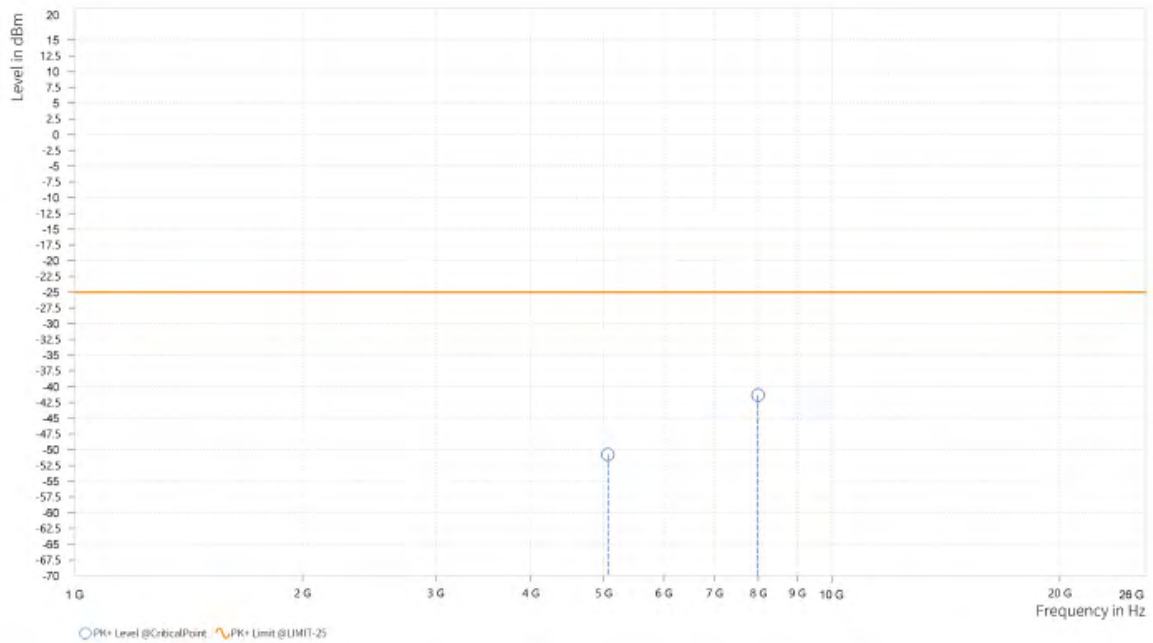
BUREAU VERITAS

Test Report No.: W7L-P23030005RF06

CH 21100

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,061.500	-50.78	-25.00	25.78	26.89	H	184.7	1
5	7,990.000	-41.35	-25.00	16.35	34.40	H	359.1	1

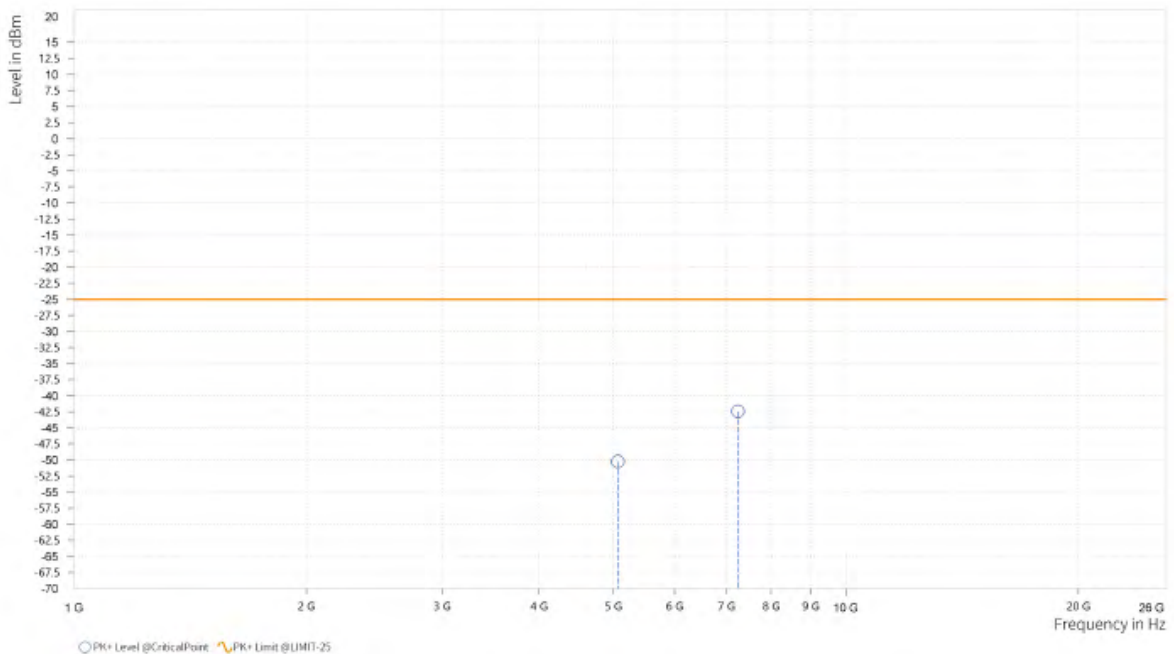




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,062.500	-50.26	-25.00	25.26	26.80	V	359.1	1
5	7,246.000	-42.42	-25.00	17.42	34.34	V	1	2







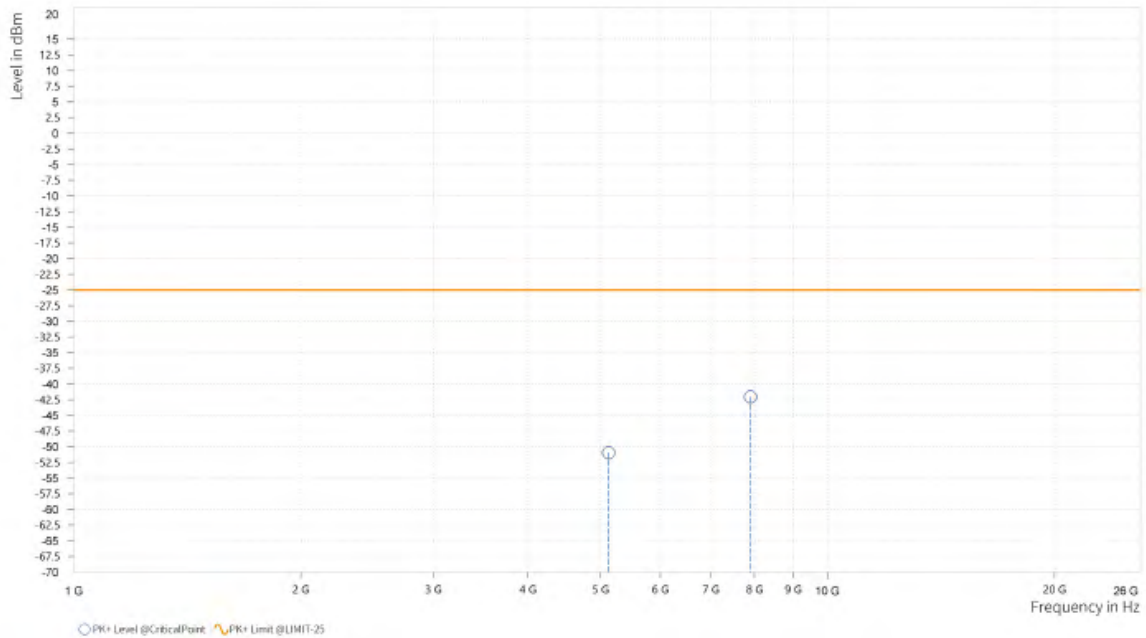
BUREAU VERITAS

Test Report No.: W7L-P23030005RF06

CH 21400

MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,121.500	-50.98	-25.00	25.98	27.33	H	175.1	2
5	7,903.000	-42.05	-25.00	17.05	34.12	H	90.2	2

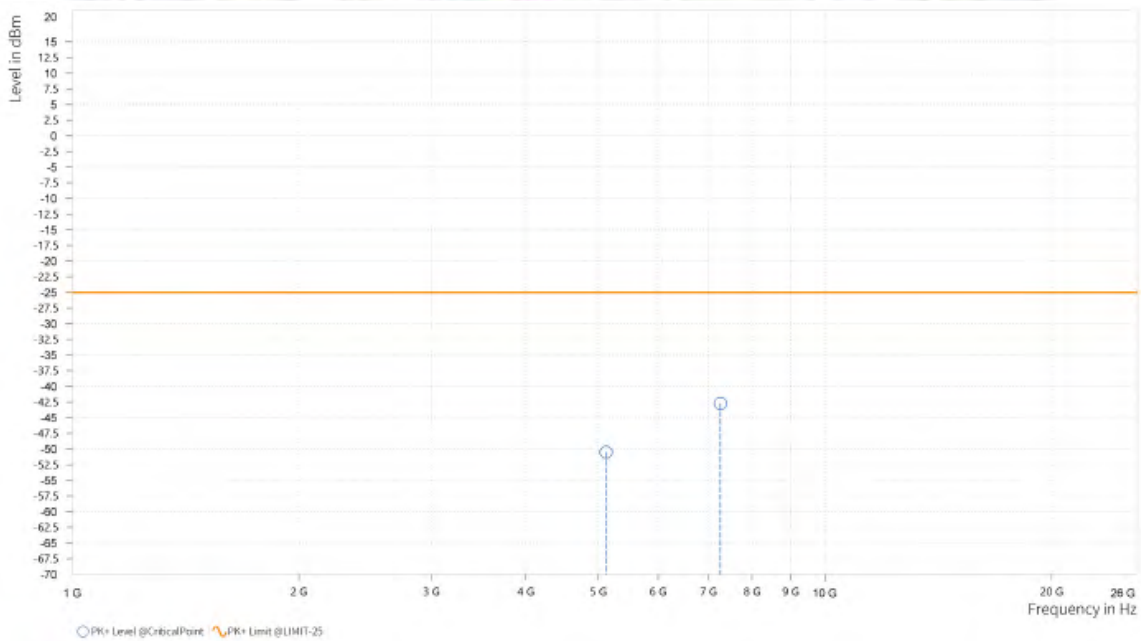




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,120.000	-50.50	-25.00	25.50	27.37	V	1	1
5	7,262.500	-42.74	-25.00	17.74	34.25	V	359	2





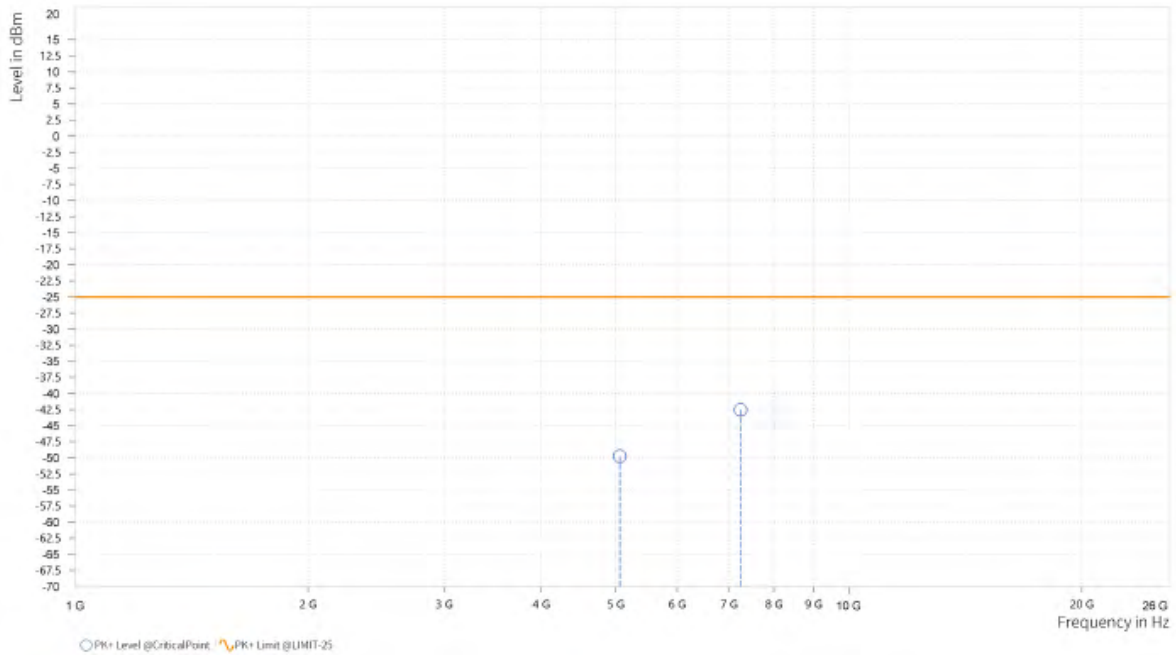
BUREAU VERITAS

Test Report No.: W7L-P23030005RF06

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,057.500	-49.77	-25.00	24.77	26.87	H	184.7	1
5	7,247.000	-42.53	-25.00	17.53	34.19	H	359	1

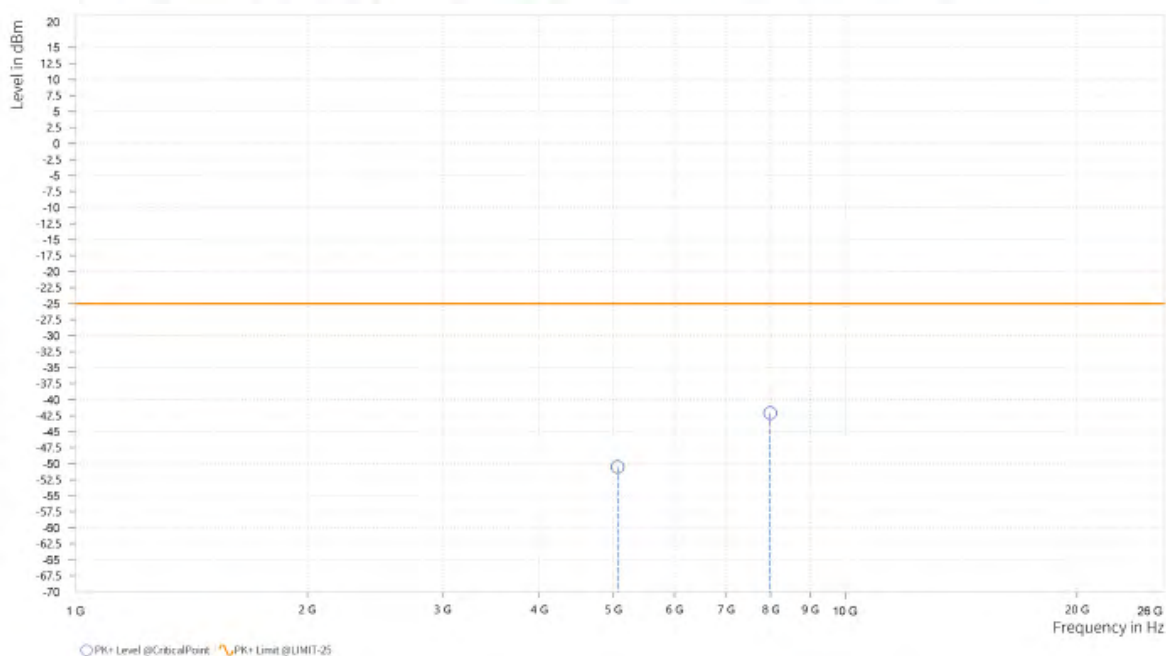




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,059.000	-50.53	-25.00	25.53	26.77	V	359	2
5	7,988.000	-42.09	-25.00	17.09	34.62	V	359	2





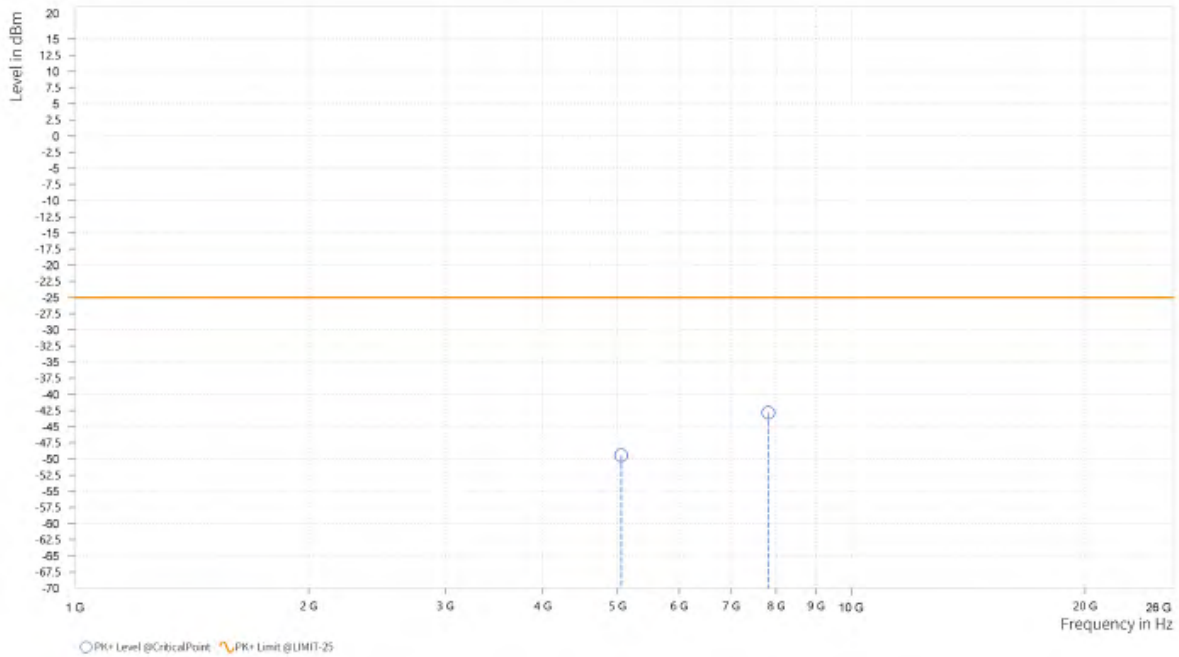
BUREAU VERITAS

Test Report No.: W7L-P23030005RF06

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,051.500	-49.47	-25.00	24.47	26.86	H	359.1	1
5	7,818.000	-42.84	-25.00	17.84	33.92	H	273.4	1

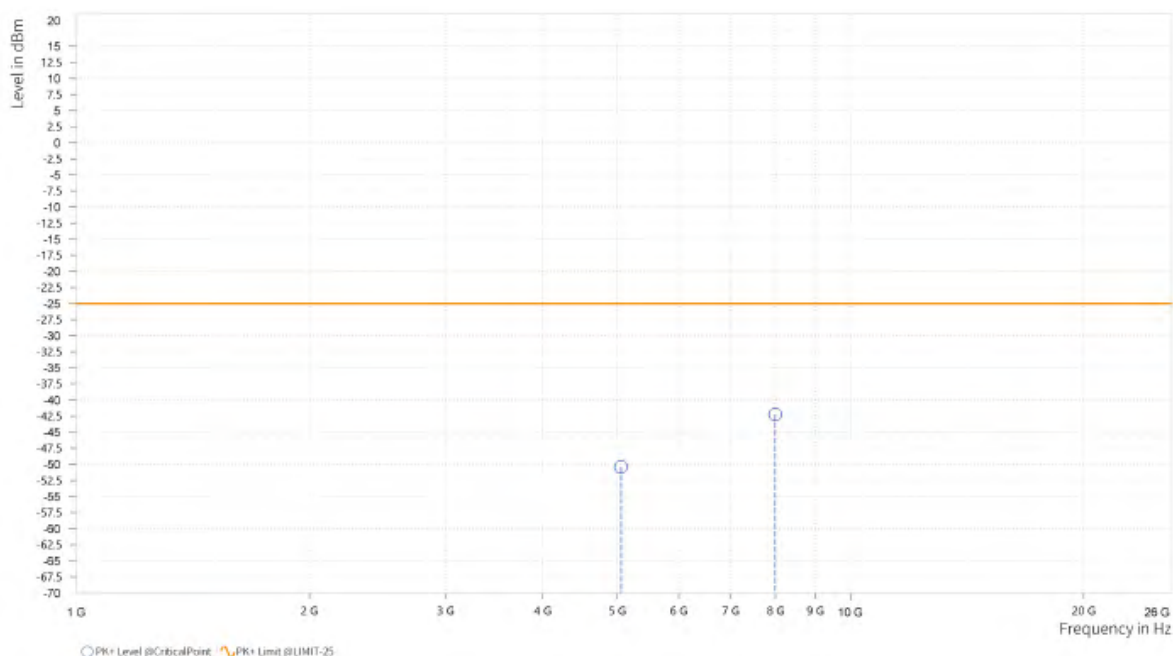




Test Report No.: W7L-P23030005RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,053.000	-50.41	-25.00	25.41	26.72	V	359	2
5	7,993.000	-42.22	-25.00	17.22	34.65	V	1	1

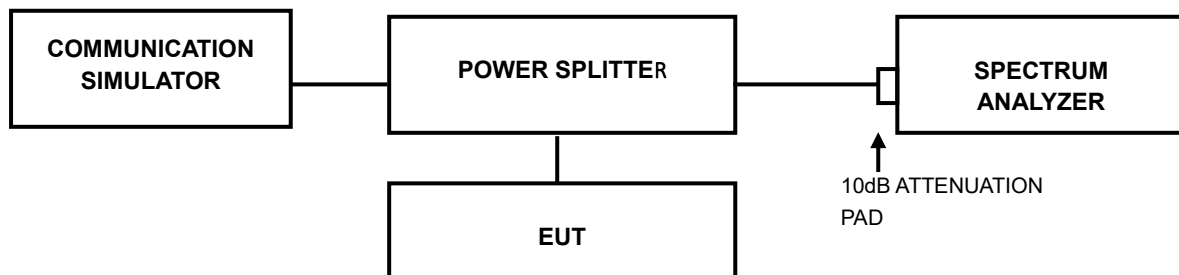


### 3.7 PEAK TO AVERAGE RATIO

#### 3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

#### 3.7.2 TEST SETUP



#### 3.7.3 TEST PROCEDURES

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



Test Report No.: W7L-P23030005RF06

### 3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.





Test Report No.: W7L-P23030005RF06

## 4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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

**Shenzhen EMC/RF Lab:**

Tel: +86-755-88696566

Fax: +86-755-88696577

**Email:** [customerservice.sw@cn.bureauveritas.com](mailto:customerservice.sw@cn.bureauveritas.com)

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

The address and road map of all our labs can be found in our web site also.



Test Report No.: W7L-P23030005RF06

## 5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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



Test Report No.: W7L-P23030005RF06

## 6 APPENDIX

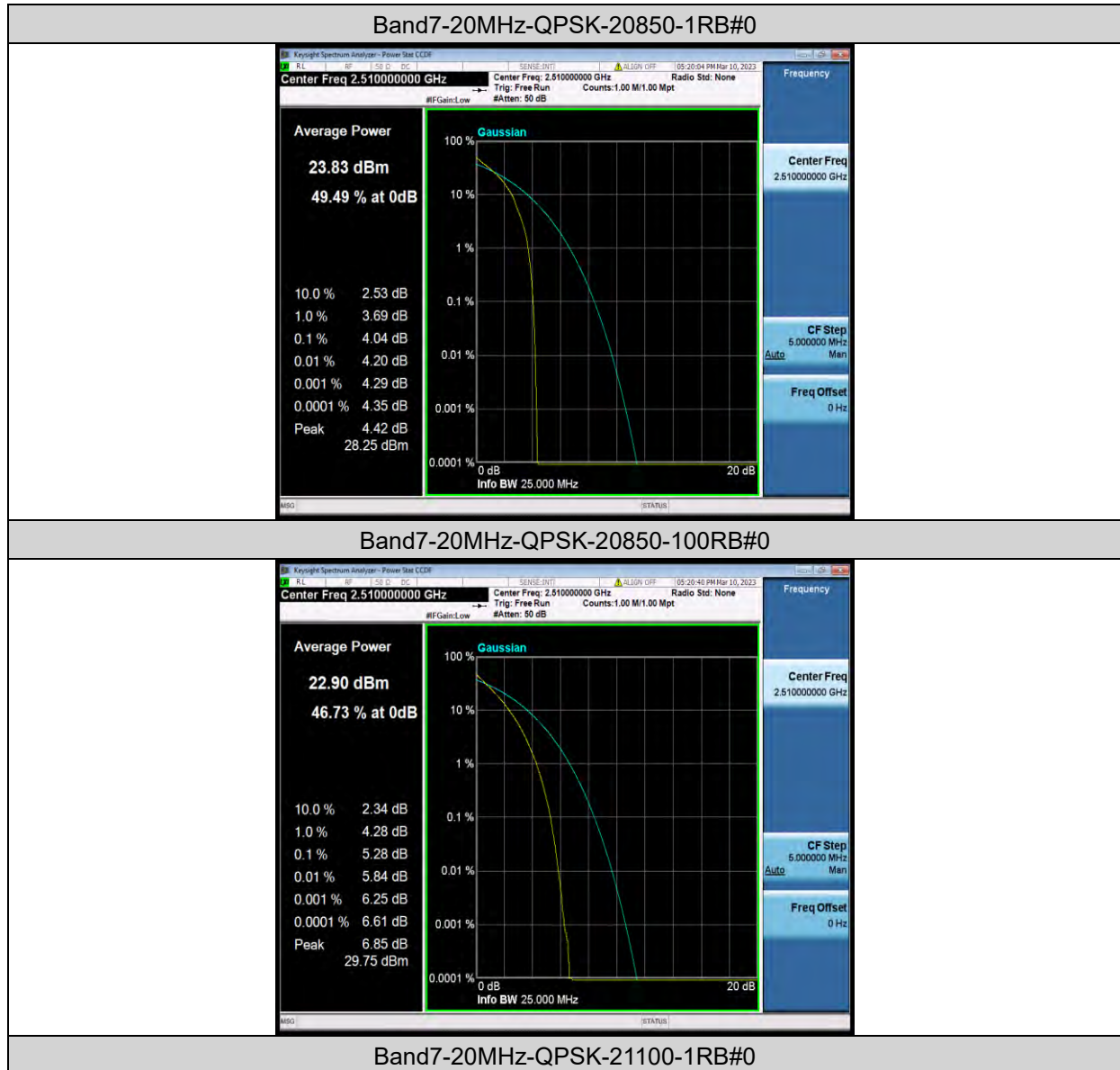
### LTE BAND7

#### PEAK-TO-AVERAGE RATIO(CCDF)

##### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	4.04	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.20	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.43	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.21	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.67	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.97	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.01	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.09	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.03	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	5.61	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.50	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	5.60	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.41	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	5.77	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.40	13	PASS

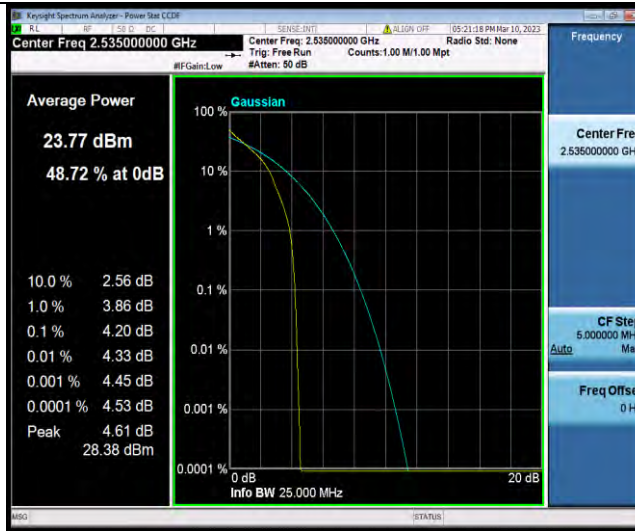
### Test Graphs





BUREAU VERITAS

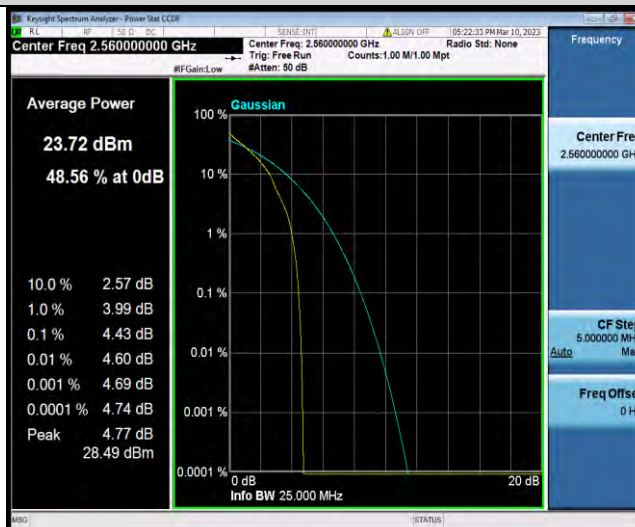
Test Report No.: W7L-P23030005RF06



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-1RB#0

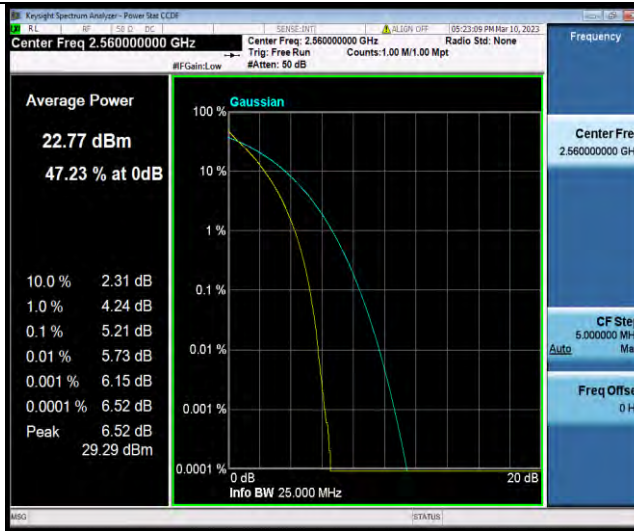


Band7-20MHz-QPSK-21350-100RB#0

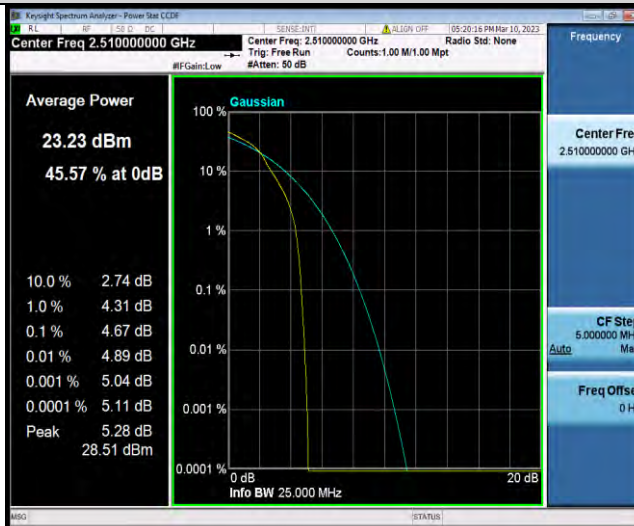


BUREAU VERITAS

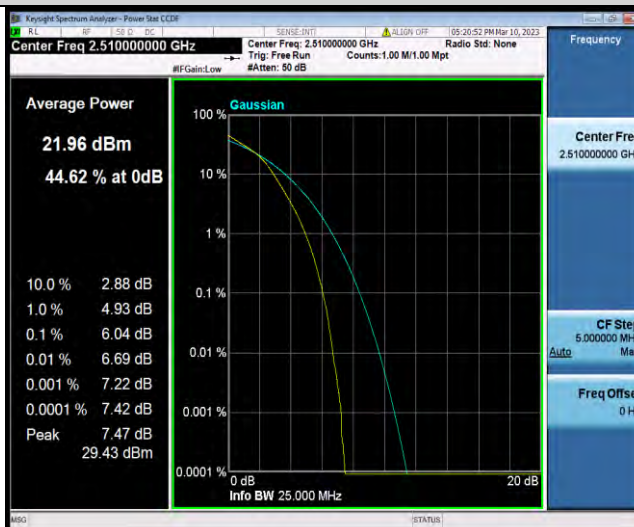
Test Report No.: W7L-P23030005RF06



Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0

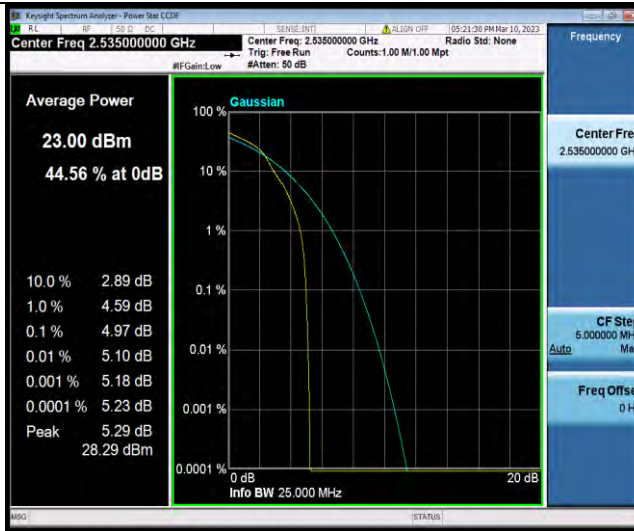


Band7-20MHz-16QAM-21100-1RB#0



BUREAU VERITAS

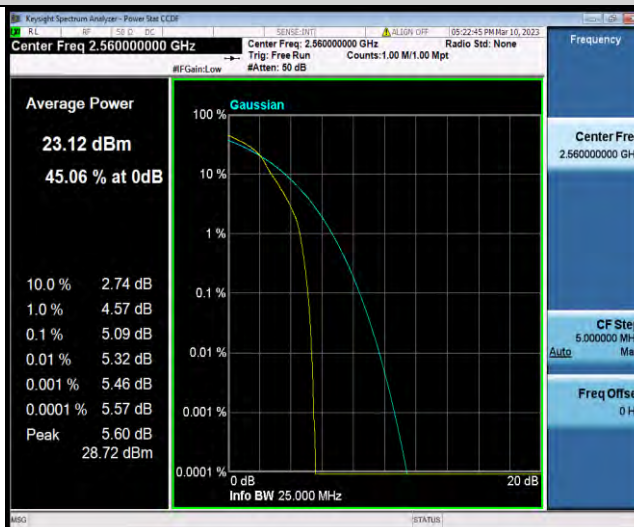
Test Report No.: W7L-P23030005RF06



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0

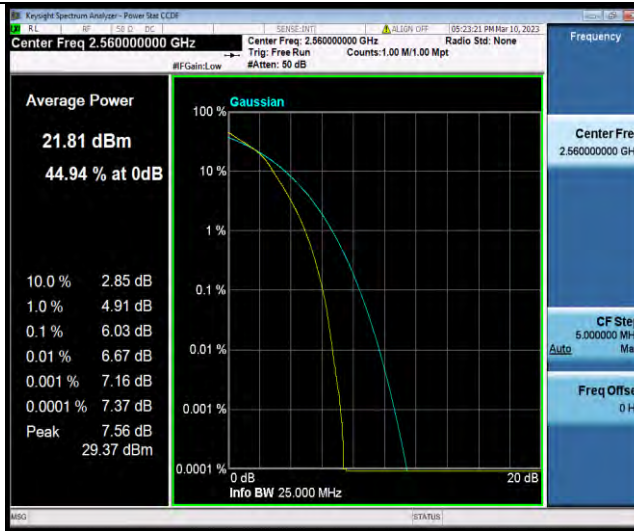


Band7-20MHz-16QAM-21350-100RB#0



BUREAU VERITAS

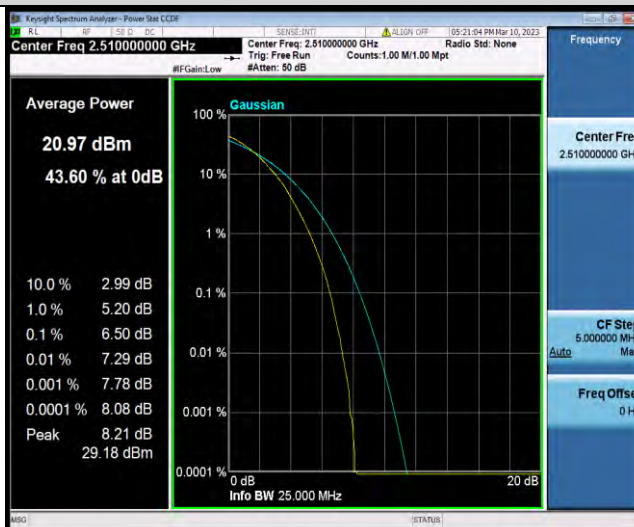
Test Report No.: W7L-P23030005RF06



Band7-20MHz-64QAM-20850-1RB#0



Band7-20MHz-64QAM-20850-100RB#0



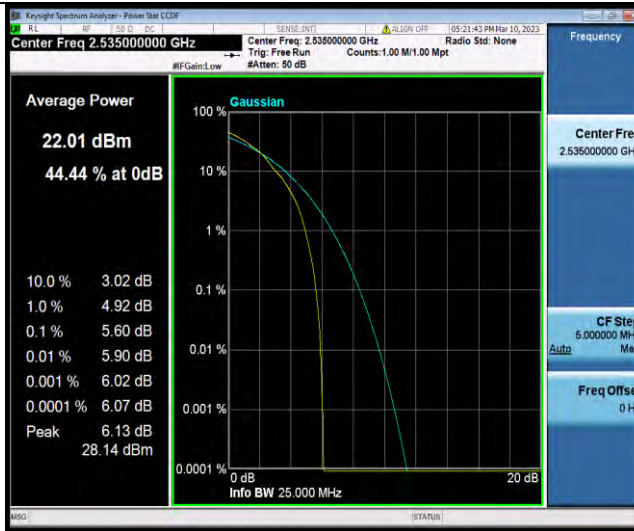
Band7-20MHz-64QAM-21100-1RB#0



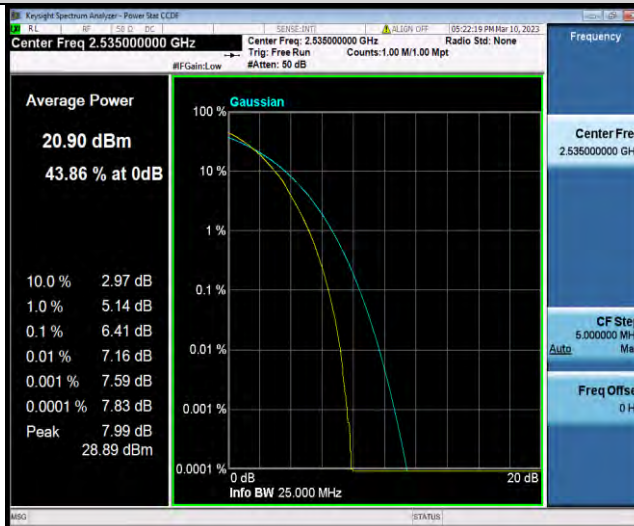


BUREAU VERITAS

Test Report No.: W7L-P23030005RF06



Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0

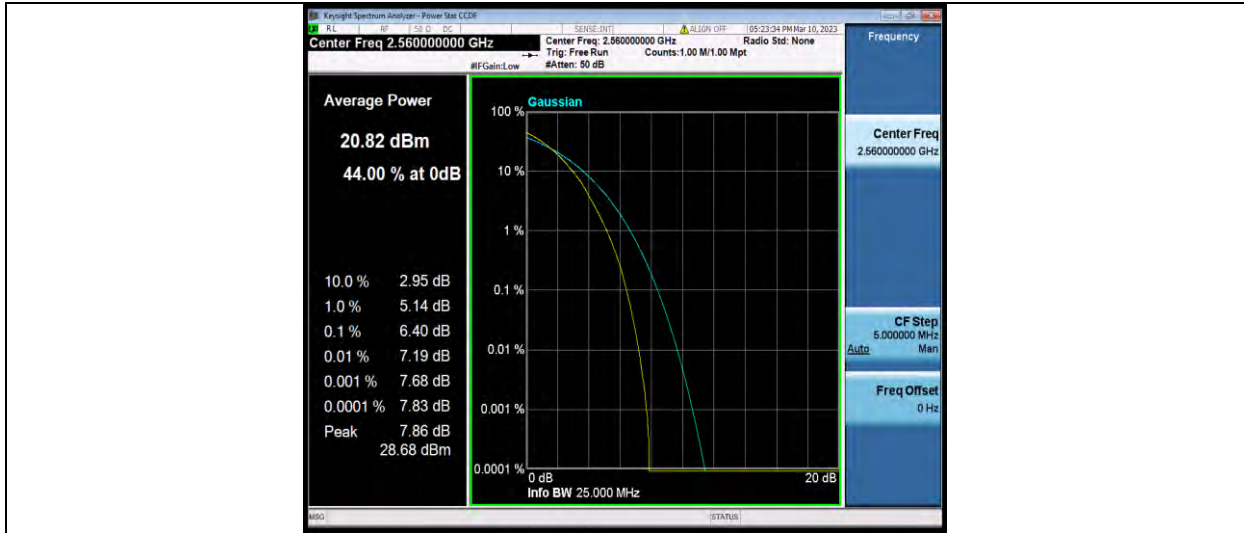


Band7-20MHz-64QAM-21350-100RB#0



BUREAU VERITAS

Test Report No.: W7L-P23030005RF06





## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

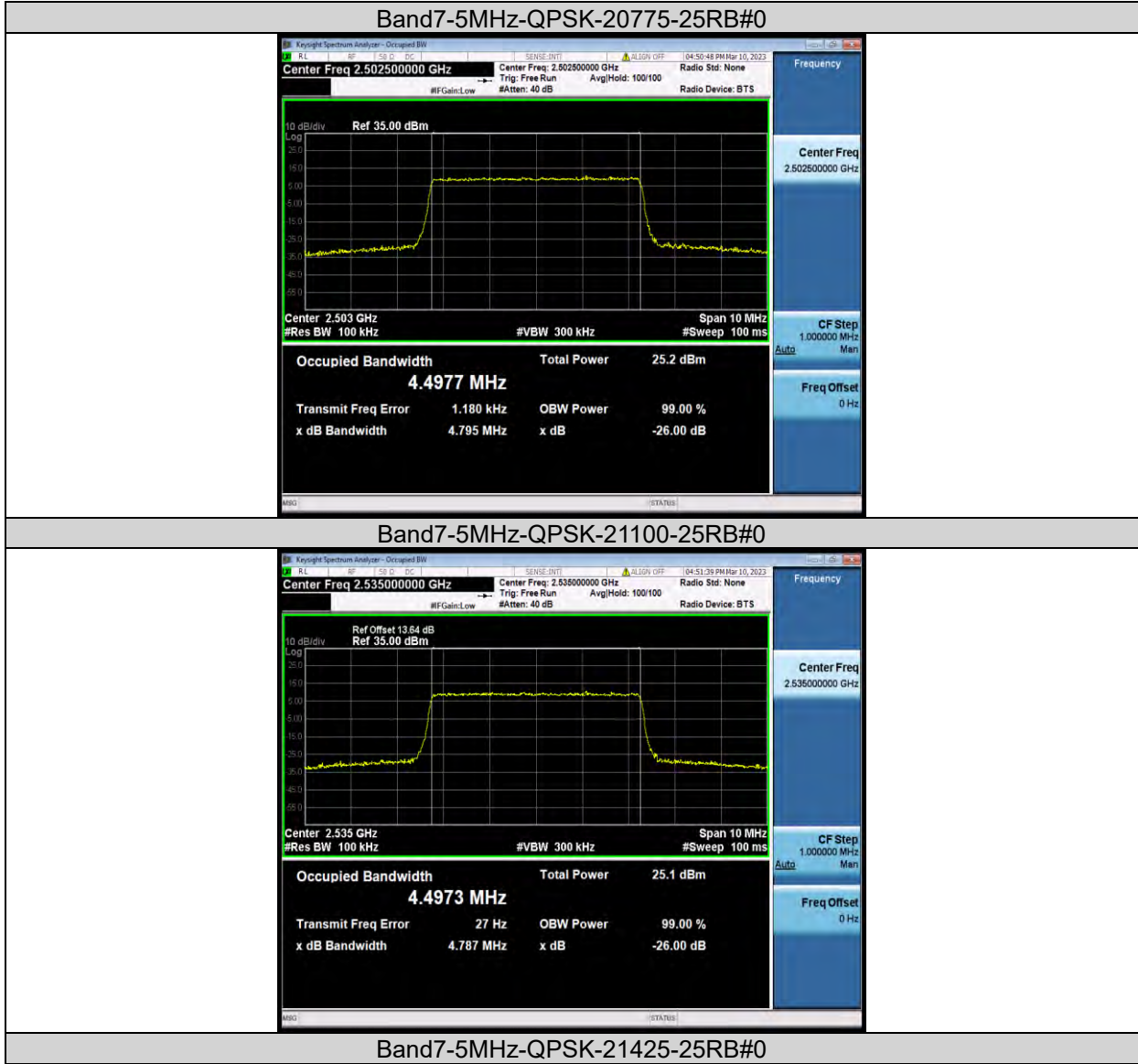
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4977	4.795	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4973	4.787	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4947	4.796	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5036	4.830	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5031	4.822	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5069	4.834	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.4998	4.802	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.4992	4.803	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.4968	4.804	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9850	9.517	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9892	9.521	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9911	9.516	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9810	9.510	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9903	9.528	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9912	9.533	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9742	9.517	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9938	9.528	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9752	9.495	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.466	14.24	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.469	14.25	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.483	14.27	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.470	14.23	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.462	14.26	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.468	14.25	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.455	14.24	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.463	14.27	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.23	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.947	18.96	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.938	18.95	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.943	18.97	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.945	18.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.916	18.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.930	18.94	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.937	18.97	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.933	18.95	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.941	18.96	PASS



Test Report No.: W7L-P23030005RF06

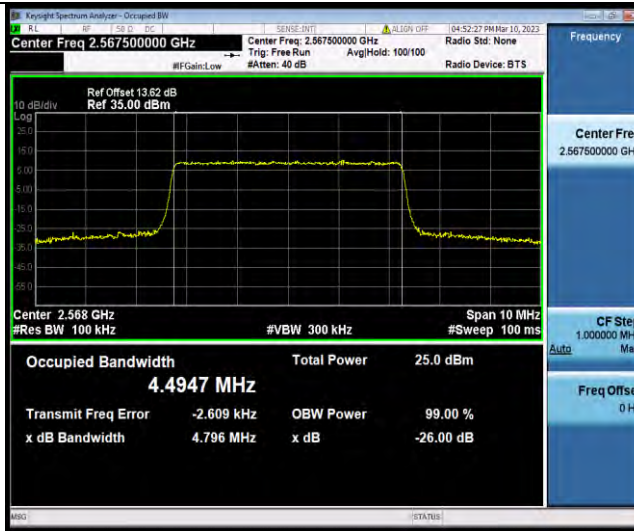
### Test Graphs





BUREAU VERITAS

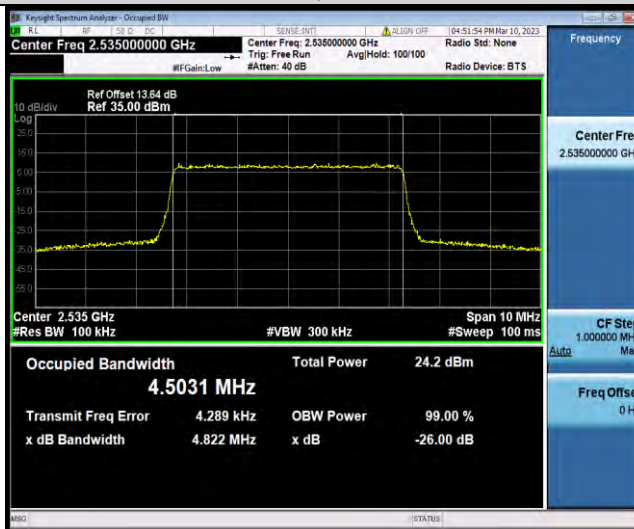
Test Report No.: W7L-P23030005RF06



Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0

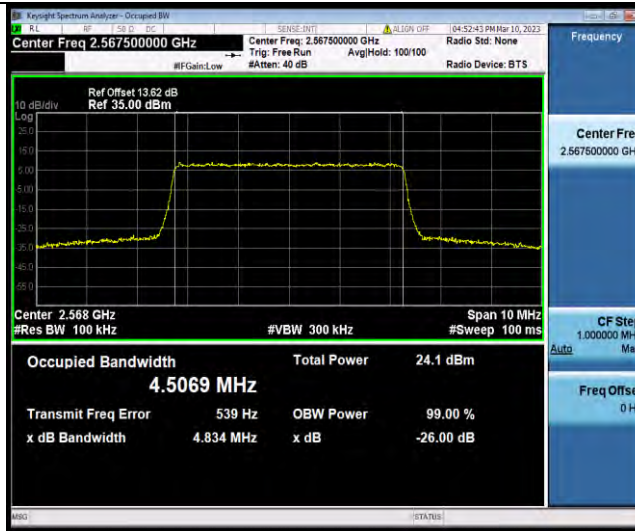


Band7-5MHz-16QAM-21425-25RB#0

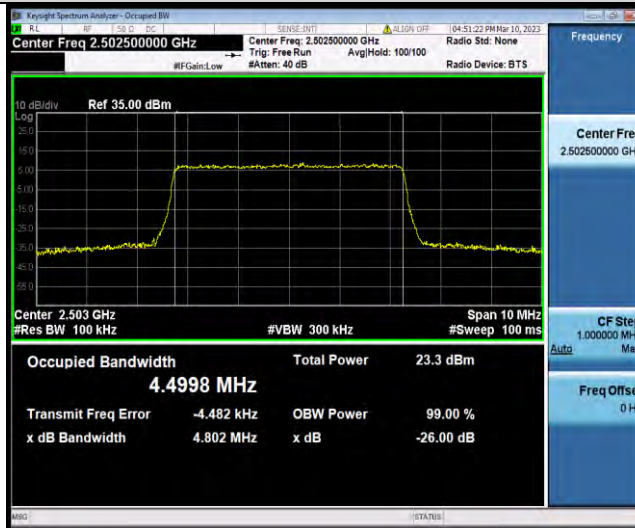


BUREAU VERITAS

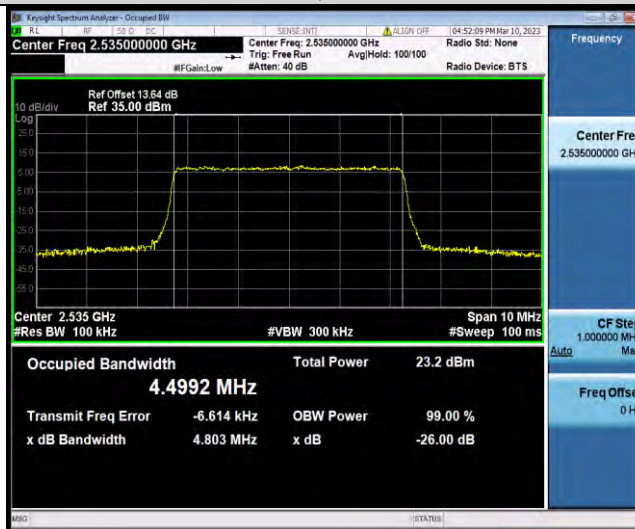
Test Report No.: W7L-P23030005RF06



Band7-5MHz-64QAM-20775-25RB#0



Band7-5MHz-64QAM-21100-25RB#0



Band7-5MHz-64QAM-21425-25RB#0