



**BUREAU**  
**VERITAS**

Test Report No.: W7L-P23030016RF05

**CHANNEL BANDWIDTH: 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	22.86	-0.5	22.36	172.19	2
18900	1880.0	22.85	-0.5	22.35	171.79	2
19175	1907.5	22.76	-0.5	22.26	168.27	2

**CHANNEL BANDWIDTH: 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	22.11	-0.5	21.61	144.88	2
18900	1880.0	22.02	-0.5	21.52	141.91	2
19175	1907.5	22.02	-0.5	21.52	141.91	2

**CHANNEL BANDWIDTH: 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	21.13	-0.5	20.63	115.61	2
18900	1880.0	21.01	-0.5	20.51	112.46	2
19175	1907.5	21	-0.5	20.5	112.2	2



**CHANNEL BANDWIDTH: 10MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855.0	22.91	-0.5	22.41	174.18	2
18900	1880.0	22.83	-0.5	22.33	171	2
19150	1905.0	22.74	-0.5	22.24	167.49	2

**CHANNEL BANDWIDTH: 10MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855.0	22.15	-0.5	21.65	146.22	2
18900	1880.0	22.02	-0.5	21.52	141.91	2
19150	1905.0	21.98	-0.5	21.48	140.6	2

**CHANNEL BANDWIDTH: 10MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855.0	21.08	-0.5	20.58	114.29	2
18900	1880.0	21	-0.5	20.5	112.2	2
19150	1905.0	21.04	-0.5	20.54	113.24	2



**CHANNEL BANDWIDTH: 15MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.84	-0.5	22.34	171.4	2
18900	1880.0	22.83	-0.5	22.33	171	2
19125	1902.5	22.77	-0.5	22.27	168.66	2

**CHANNEL BANDWIDTH: 15MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.11	-0.5	21.61	144.88	2
18900	1880.0	21.95	-0.5	21.45	139.64	2
19125	1902.5	21.98	-0.5	21.48	140.6	2

**CHANNEL BANDWIDTH: 15MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	21.08	-0.5	20.58	114.29	2
18900	1880.0	20.98	-0.5	20.48	111.69	2
19125	1902.5	21.07	-0.5	20.57	114.02	2



**CHANNEL BANDWIDTH: 20MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.92	-0.5	22.42	174.58	2
18900	1880	22.87	-0.5	22.37	172.58	2
19100	1900	22.82	-0.5	22.32	170.61	2

**CHANNEL BANDWIDTH: 20MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.18	-0.5	21.68	147.23	2
18900	1880	22.03	-0.5	21.53	142.23	2
19100	1900	22.04	-0.5	21.54	142.56	2

**CHANNEL BANDWIDTH: 20MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	21.14	-0.5	20.64	115.88	2
18900	1880	21.03	-0.5	20.53	112.98	2
19100	1900	21.08	-0.5	20.58	114.29	2

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



**LTE BAND 25**

**CHANNEL BANDWIDTH: 1.4MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	23.04	-0.5	22.54	179.47	2
26365	1882.5	22.98	-0.5	22.48	177.01	2
26683	1914.3	22.94	-0.5	22.44	175.39	2

**CHANNEL BANDWIDTH: 1.4MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	22.35	-0.5	21.85	153.11	2
26365	1882.5	22.33	-0.5	21.83	152.41	2
26683	1914.3	22.34	-0.5	21.84	152.76	2

**CHANNEL BANDWIDTH: 1.4MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	21.49	-0.5	20.99	125.6	2
26365	1882.5	21.49	-0.5	20.99	125.6	2
26683	1914.3	21.37	-0.5	20.87	122.18	2



**CHANNEL BANDWIDTH: 3MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26055	1851.5	22.99	-0.5	22.49	177.42	2
26365	1882.5	22.94	-0.5	22.44	175.39	2
26675	1913.5	22.97	-0.5	22.47	176.6	2

**CHANNEL BANDWIDTH: 3MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26055	1851.5	22.41	-0.5	21.91	155.24	2
26365	1882.5	22.26	-0.5	21.76	149.97	2
26675	1913.5	22.38	-0.5	21.88	154.17	2

**CHANNEL BANDWIDTH: 3MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1851.5	21.54	-0.5	21.04	127.06	2
26365	1882.5	21.45	-0.5	20.95	124.45	2
26683	1913.5	21.41	-0.5	20.91	123.31	2



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**CHANNEL BANDWIDTH: 5MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	22.99	-0.5	22.49	177.42	2
26365	1882.5	22.99	-0.5	22.49	177.42	2
26665	1912.5	22.97	-0.5	22.47	176.6	2

**CHANNEL BANDWIDTH: 5MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	22.37	-0.5	21.87	153.82	2
26365	1882.5	22.32	-0.5	21.82	152.05	2
26665	1912.5	22.33	-0.5	21.83	152.41	2

**CHANNEL BANDWIDTH: 5MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	21.47	-0.5	20.97	125.03	2
26365	1882.5	21.5	-0.5	21	125.89	2
26665	1912.5	21.41	-0.5	20.91	123.31	2



**CHANNEL BANDWIDTH: 10MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	23.02	-0.5	22.52	178.65	2
26365	1882.5	22.97	-0.5	22.47	176.6	2
26640	1910	23	-0.5	22.5	177.83	2

**CHANNEL BANDWIDTH: 10MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	22.35	-0.5	21.85	153.11	2
26365	1882.5	22.3	-0.5	21.8	151.36	2
26640	1910	22.34	-0.5	21.84	152.76	2

**CHANNEL BANDWIDTH: 10MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>C</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	21.5	-0.5	21	125.89	2
26365	1882.5	21.43	-0.5	20.93	123.88	2
26640	1910	21.37	-0.5	20.87	122.18	2





**CHANNEL BANDWIDTH: 15MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	23.02	-0.5	22.52	178.65	2
26365	1882.5	22.97	-0.5	22.47	176.6	2
26615	1907.5	23.01	-0.5	22.51	178.24	2

**CHANNEL BANDWIDTH: 15MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	22.41	-0.5	21.91	155.24	2
26365	1882.5	22.26	-0.5	21.76	149.97	2
26615	1907.5	22.38	-0.5	21.88	154.17	2

**CHANNEL BANDWIDTH: 15MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	21.54	-0.5	21.04	127.06	2
26365	1882.5	21.49	-0.5	20.99	125.6	2
26615	1907.5	21.35	-0.5	20.85	121.62	2



**CHANNEL BANDWIDTH: 20MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	23.05	-0.5	22.55	179.89	2
26365	1882.5	23	-0.5	22.5	177.83	2
26590	1905	23.02	-0.5	22.52	178.65	2

**CHANNEL BANDWIDTH: 20MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	22.43	-0.5	21.93	155.96	2
26365	1882.5	22.34	-0.5	21.84	152.76	2
26590	1905	22.39	-0.5	21.89	154.53	2

**CHANNEL BANDWIDTH: 20MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T-Lc</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	21.55	-0.5	21.05	127.35	2
26365	1882.5	21.51	-0.5	21.01	126.18	2
26590	1905	21.43	-0.5	20.93	123.88	2

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



### 3.2 FREQUENCY STABILITY MEASUREMENT

#### 3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

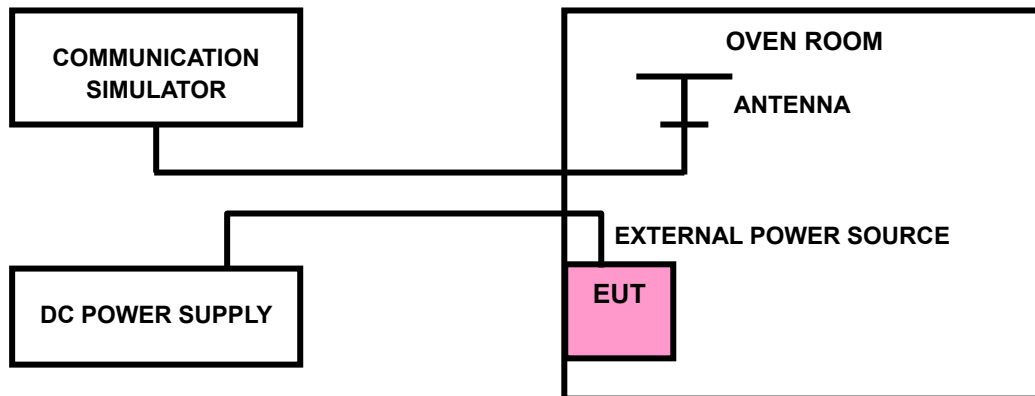
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### 3.2.2 TEST PROCEDURE

- a. 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.
- b. 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.
- c. 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





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### 3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.7V); VH = High voltage(4.2V);  
NT = Normal temperature (25°C)

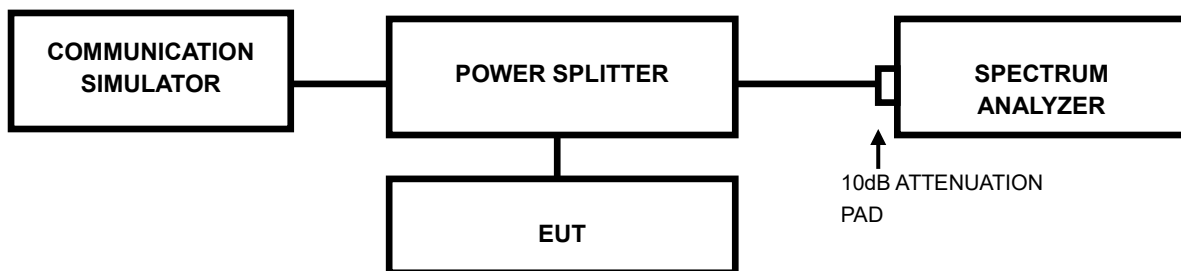


### 3.3 OCCUPIED BANDWIDTH MEASUREMENT

#### 3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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

#### 3.3.2 TEST SETUP



#### 3.3.3 TEST PROCEDURES

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



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### 3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.

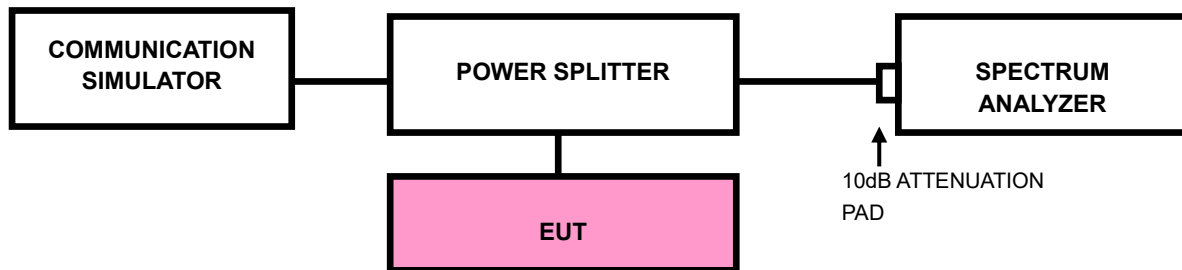


### 3.4 BAND EDGE MEASUREMENTC

#### 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.





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### 3.4.4. TEST RESULTS

Please Refer to Appendix Of this test report.



### 3.5 CONDUCTED SPURIOUS EMISSIONS

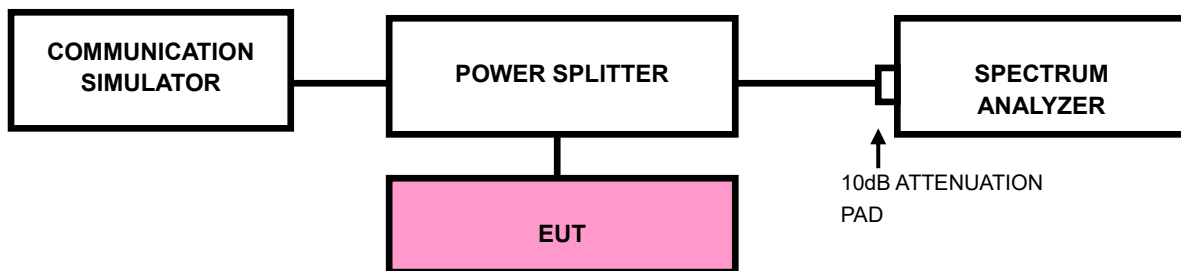
#### 3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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





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### 3.5.4 TEST RESULTS

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

Please Refer to Appendix Of this test report.



### 3.6 RADIATED EMISSION MEASUREMENT

#### 3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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.

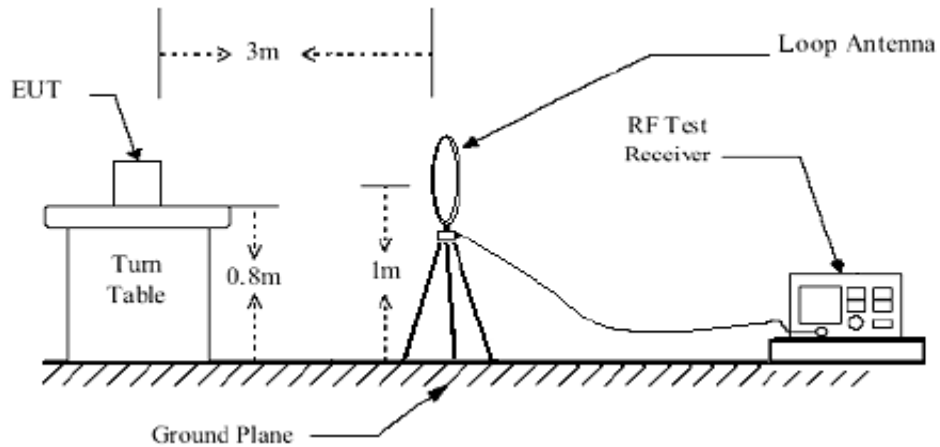
#### 3.6.3 DEVIATION FROM TEST STANDARD

No deviation

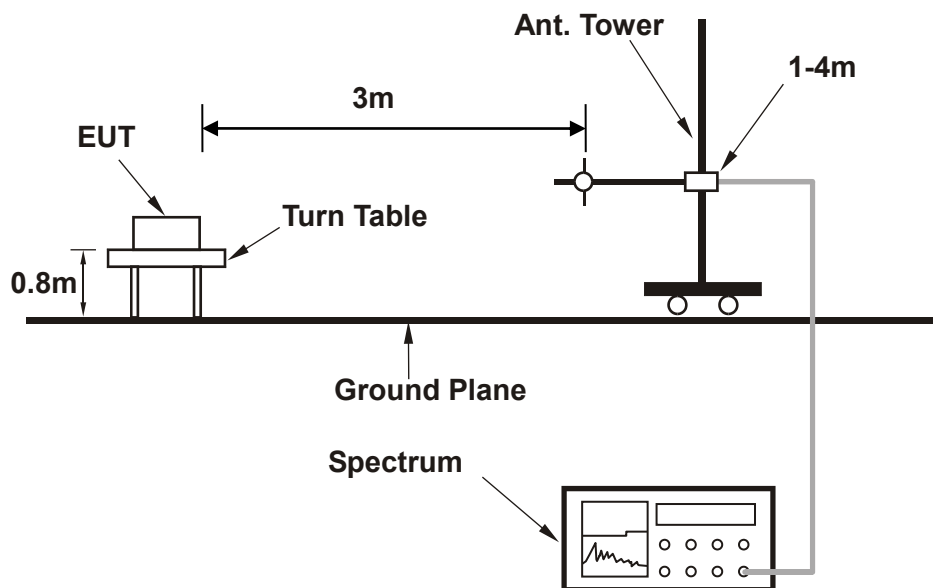


### 3.6.4 TEST SETUP

#### < Frequency Range below 30MHz >

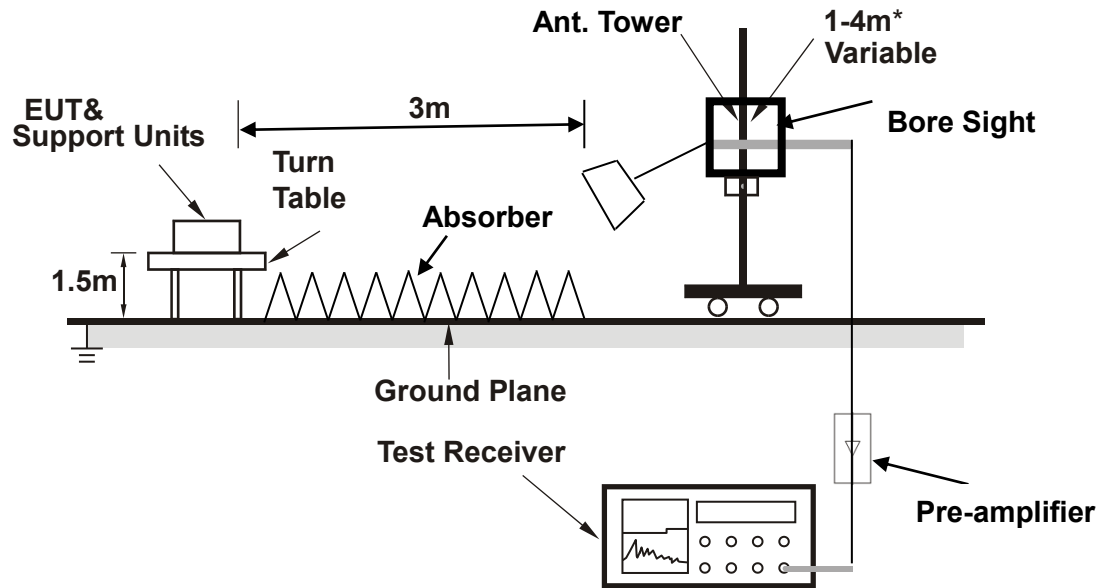


#### < Frequency Range 30MHz~1GHz >





<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**

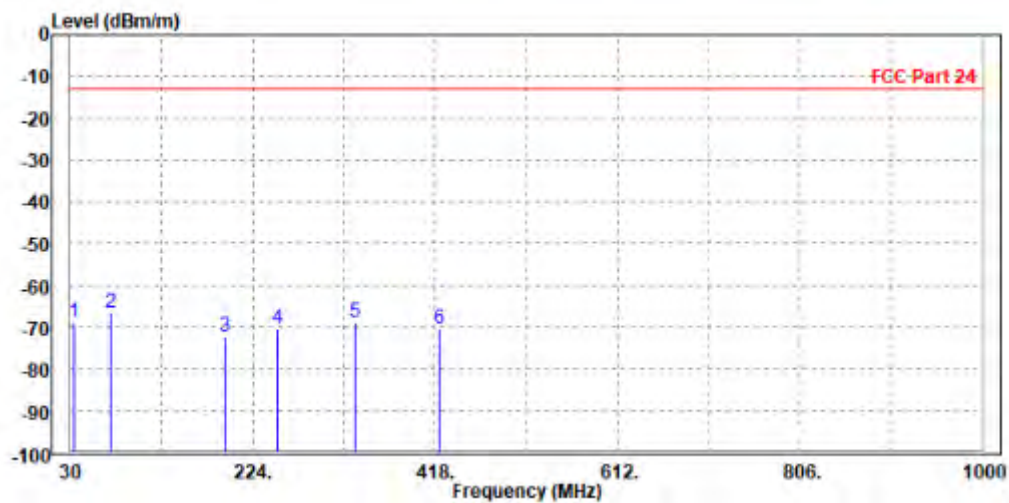
**30 MHz – 1GHz data:**

**LTE Band 25:**

**CHANNEL BANDWIDTH: 10MHz / QPSK**

<b>MODE</b>	TX channel 26640	<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: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	34.850	-68.72	-56.68	-13.00	-55.72	-12.04	Peak	Horizontal
2 PP	73.650	-66.51	-45.21	-13.00	-53.51	-21.30	Peak	Horizontal
3	194.900	-72.07	-53.95	-13.00	-59.07	-18.12	Peak	Horizontal
4	250.190	-70.35	-58.89	-13.00	-57.35	-11.46	Peak	Horizontal
5	333.610	-68.66	-57.02	-13.00	-55.66	-11.64	Peak	Horizontal
6	422.850	-70.23	-60.61	-13.00	-57.23	-9.62	Peak	Horizontal



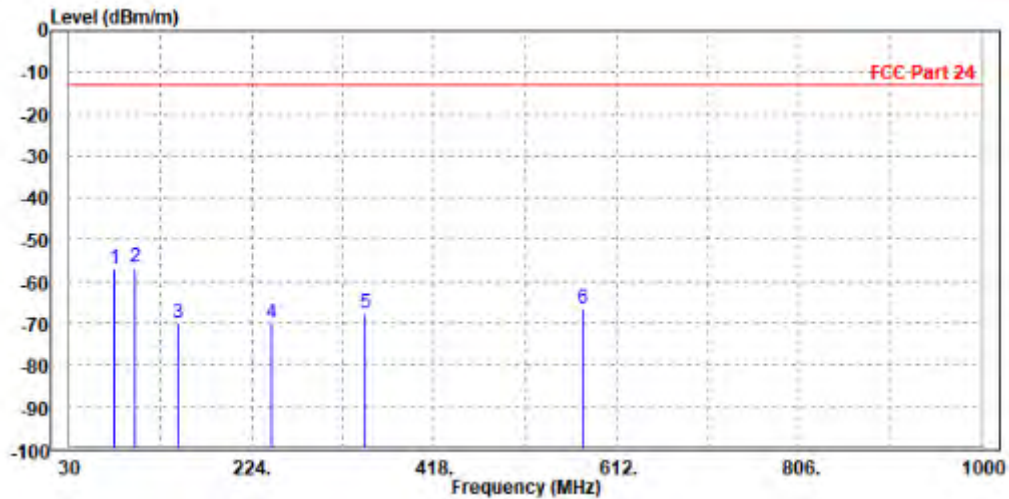


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<b>MODE</b>	TX channel 26640	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	78.500	-57.21	-37.54	-13.00	-44.21	-19.67	Peak	Vertical
2 PP	99.840	-56.62	-50.11	-13.00	-43.62	-6.51	Peak	Vertical
3	145.430	-69.94	-54.14	-13.00	-56.94	-15.80	Peak	Vertical
4	245.340	-69.94	-55.93	-13.00	-56.94	-14.01	Peak	Vertical
5	345.250	-67.66	-57.67	-13.00	-54.66	-9.99	Peak	Vertical
6	576.110	-66.38	-59.78	-13.00	-53.38	-6.60	Peak	Vertical







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**ABOVE 1GHz DATA**

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

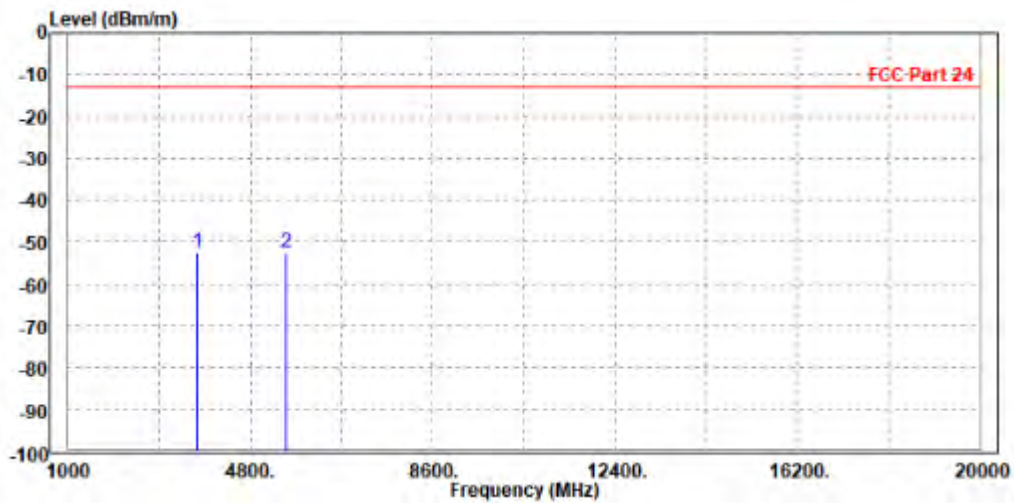
**WORST-CASE DATA**

**GSM 1900:**

**CH 512**

<b>MODE</b>	TX channel 512	<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: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3698.000	-52.64	-60.47	-13.00	-39.64	7.83	Peak	Horizontal
2 PP	5550.600	-52.35	-62.92	-13.00	-39.35	10.57	Peak	Horizontal



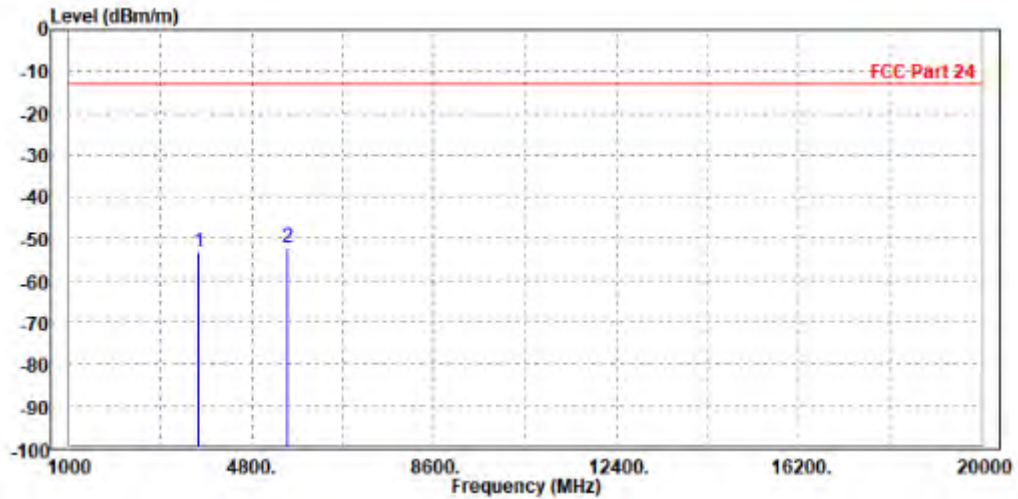


**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

<b>MODE</b>	TX channel 512	<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>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3700.400	-53.12	-60.73	-13.00	-40.12	7.61	Peak	Vertical
2 PP	5560.000	-52.11	-63.01	-13.00	-39.11	10.90	Peak	Vertical





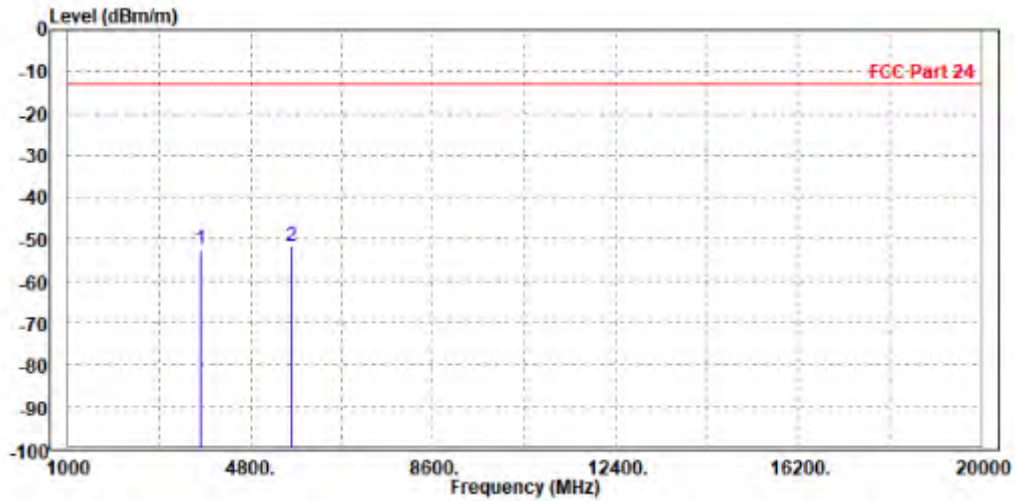
BUREAU VERITAS

Test Report No.: W7L-P23030016RF05

CH 661

MODE	TX channel 661	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>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3760.000	-52.58	-60.57	-13.00	-39.58	7.99	Peak	Horizontal
2 PP	5636.000	-51.62	-62.35	-13.00	-38.62	10.73	Peak	Horizontal



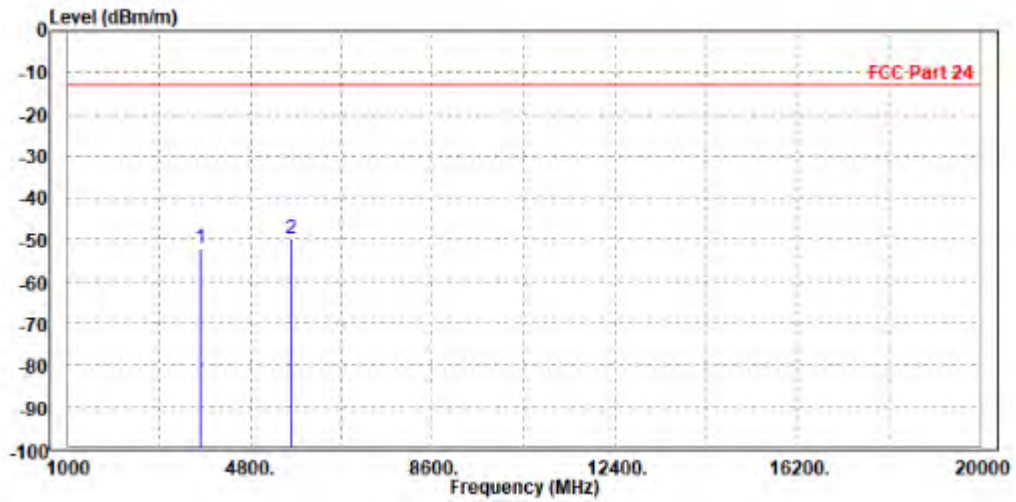


**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

<b>MODE</b>	TX channel 661	<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>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3755.000	-52.20	-59.89	-13.00	-39.20	7.69	Peak	Vertical
2	PP 5640.000	-49.82	-60.95	-13.00	-36.82	11.13	Peak	Vertical





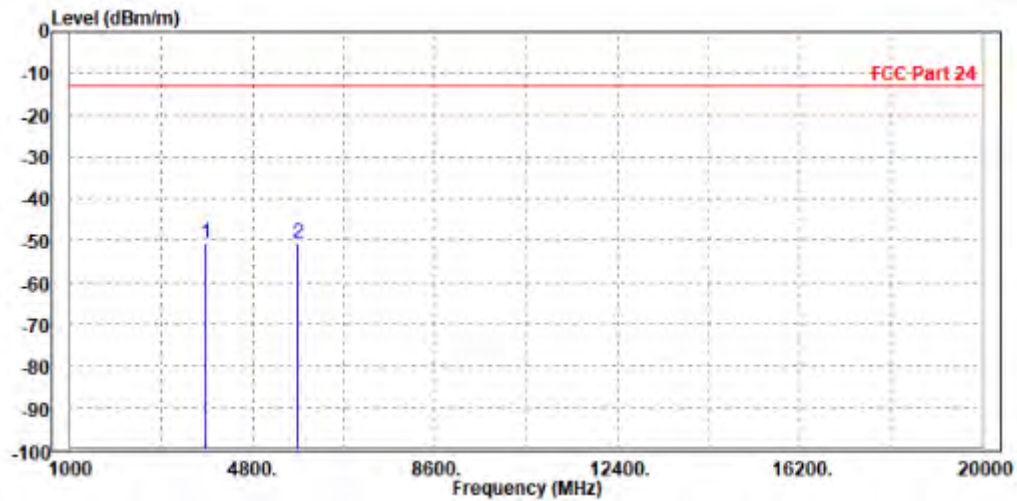
**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

**CH 810**

<b>MODE</b>	TX channel 810	<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: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3819.600	-50.72	-58.86	-13.00	-37.72	8.14	Peak	Horizontal
2 PP	5731.000	-50.58	-61.49	-13.00	-37.58	10.91	Peak	Horizontal



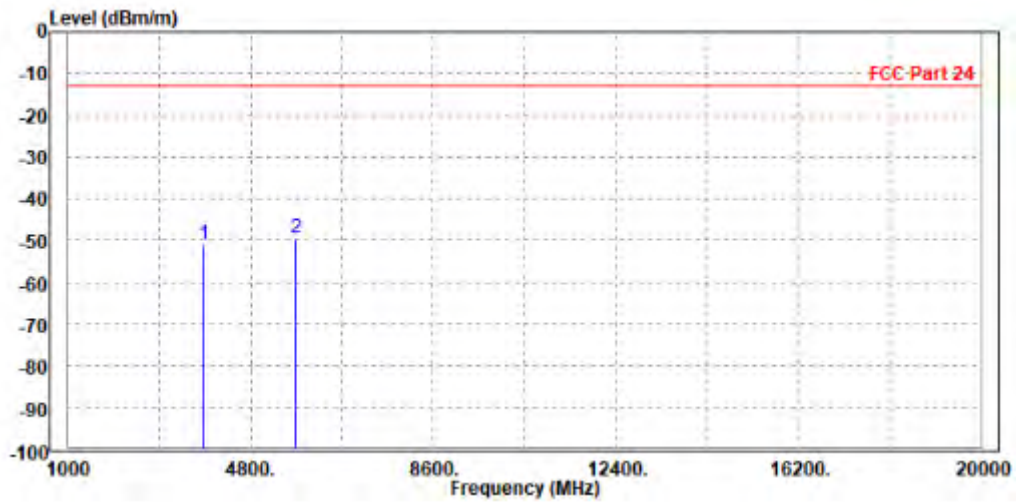


**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

<b>MODE</b>	TX channel 810	<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>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3812.000	-50.92	-58.69	-13.00	-37.92	7.77	Peak	Vertical
2 PP	5729.400	-49.36	-60.74	-13.00	-36.36	11.38	Peak	Vertical







**BUREAU  
VERITAS**

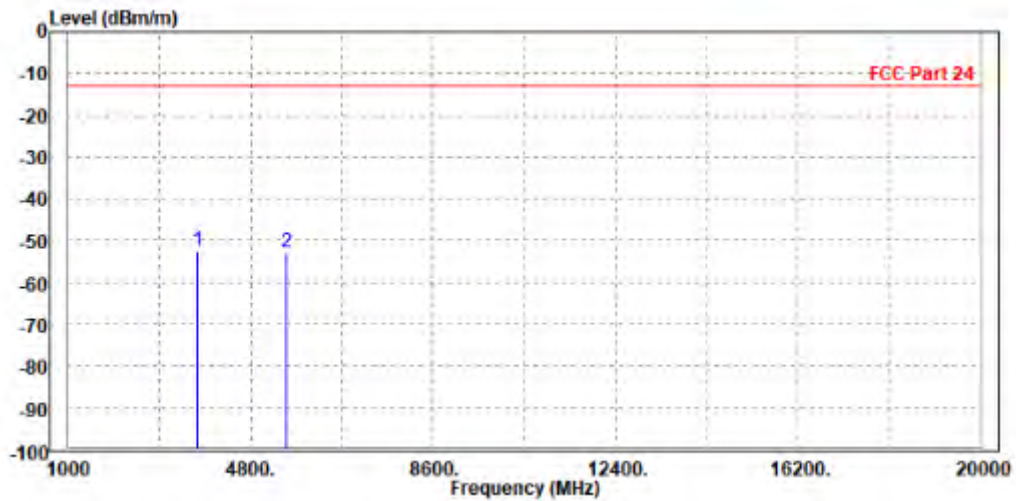
Test Report No.: W7L-P23030016RF05

EDGE 1900:

CH 512

<b>MODE</b>	TX channel 512	<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: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3700.400	-52.40	-60.24	-13.00	-39.40	7.84	Peak	Horizontal
2	5560.000	-52.88	-63.47	-13.00	-39.88	10.59	Peak	Horizontal



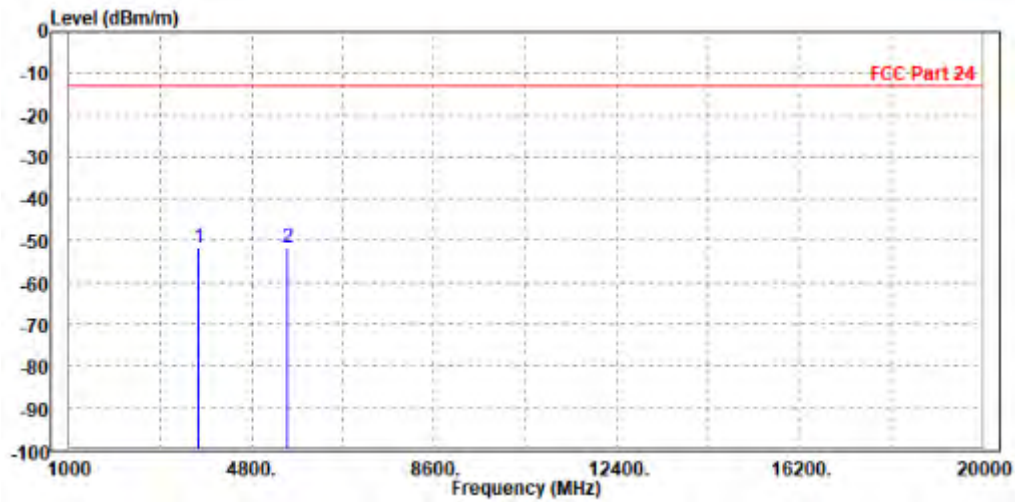


**BUREAU  
VERITAS**

**Test Report No.: W7L-P23030016RF05**

<b>MODE</b>	TX channel 512	<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>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3698.000	-51.83	-59.44	-13.00	-38.83	7.61	Peak	Vertical
2	5550.600	-51.87	-62.74	-13.00	-38.87	10.87	Peak	Vertical







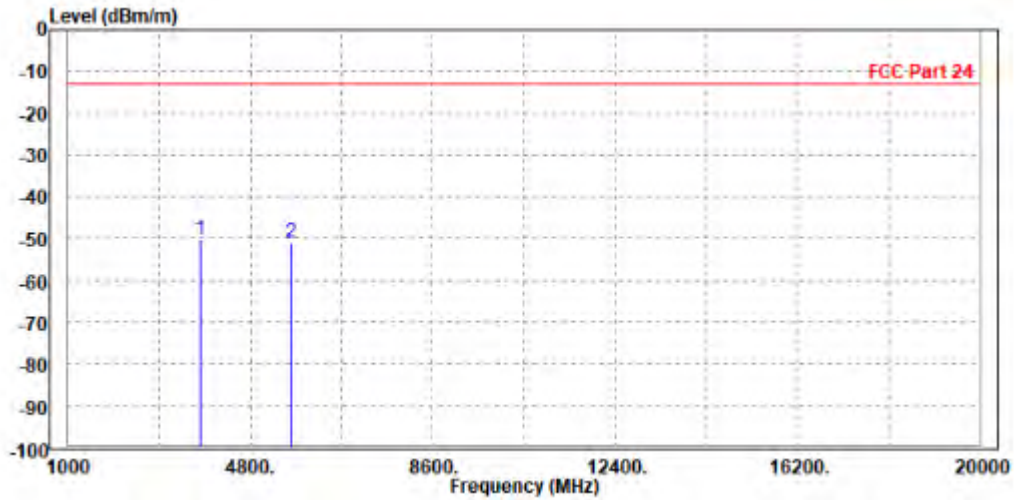
**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

**CH 661**

<b>MODE</b>	TX channel 661	<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: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3755.000	-50.31	-58.29	-13.00	-37.31	7.98	Peak	Horizontal
2	5640.000	-50.82	-61.56	-13.00	-37.82	10.74	Peak	Horizontal





**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF05

<b>MODE</b>	TX channel 661	<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>			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3760.000	-52.18	-59.88	-13.00	-39.18	7.70	Peak	Vertical
2 PP	5636.000	-50.77	-61.89	-13.00	-37.77	11.12	Peak	Vertical

