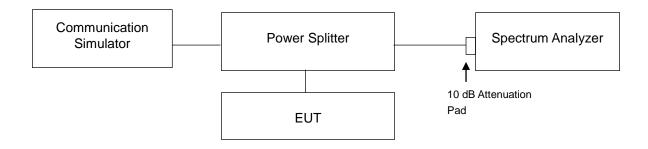


4.5 Band Edge Measurement

4.5.1 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.

4.5.2 Test Setup

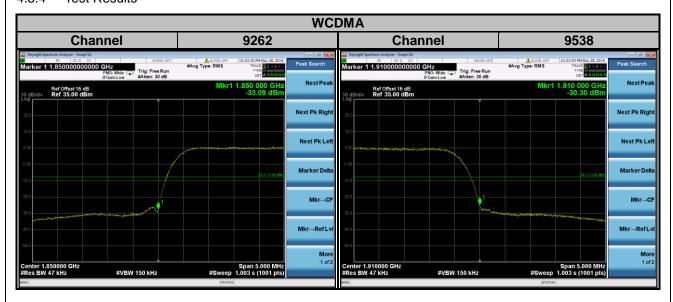


4.5.3 Test Procedures

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 5 MHz. RB of the spectrum is 47 kHz and VB of the spectrum is 150 kHz (WCDMA).
- c. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 15 kHz and VB of the spectrum is 51 kHz (LTE Bandwidth 1.4 MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 30 kHz and VB of the spectrum is 100 kHz (LTE Bandwidth 3 MHz).
- e. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 62 kHz and VB of the spectrum is 200 kHz (LTE Bandwidth 5 MHz).
- f. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (LTE Bandwidth 10 MHz).
- g. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 150 kHz and VB of the spectrum is 470 kHz (LTE Bandwidth 15 MHz).
- h. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 200 kHz and VB of the spectrum is 1 MHz (LTE Bandwidth 20 MHz).
- i. Record the max trace plot into the test report.

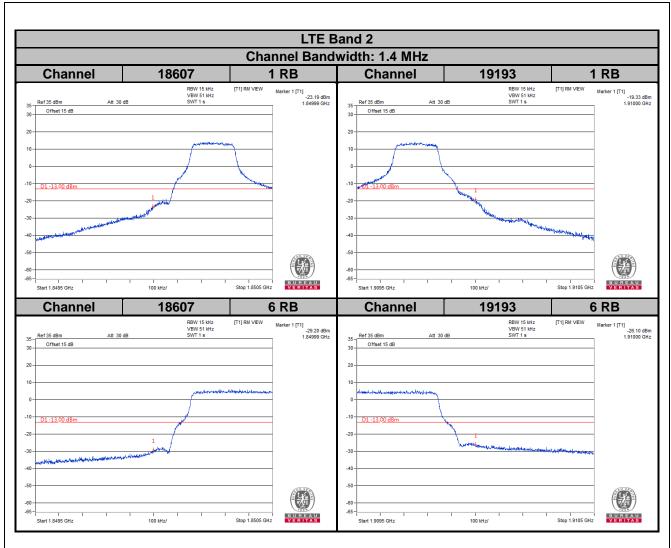


4.5.4 Test Results

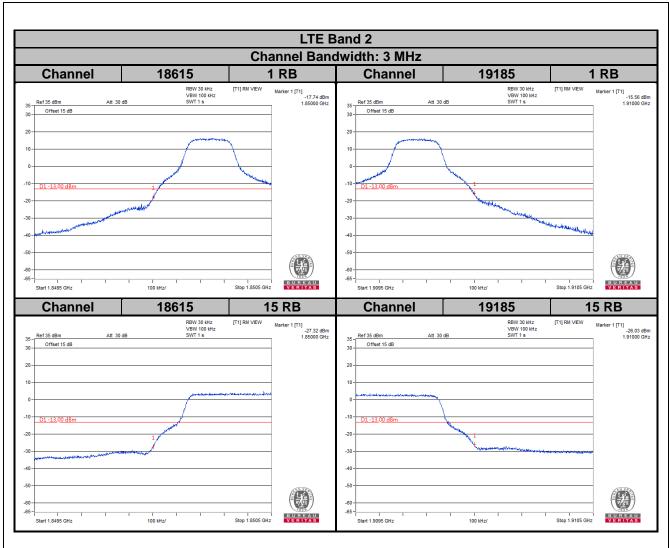




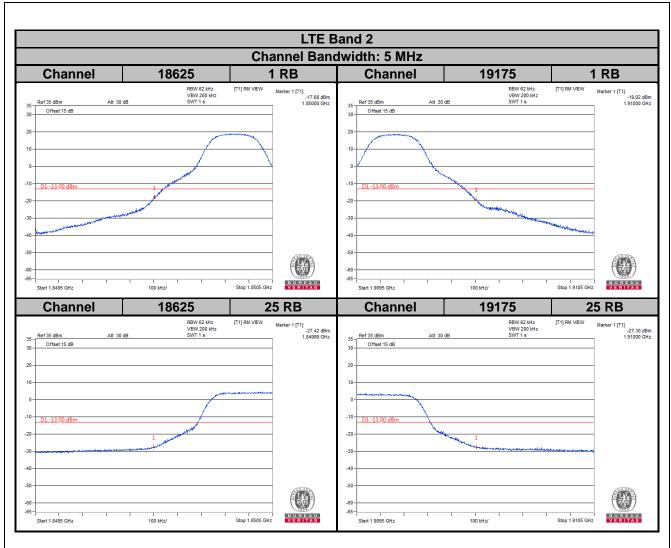
Report Format Version: 6.1.1





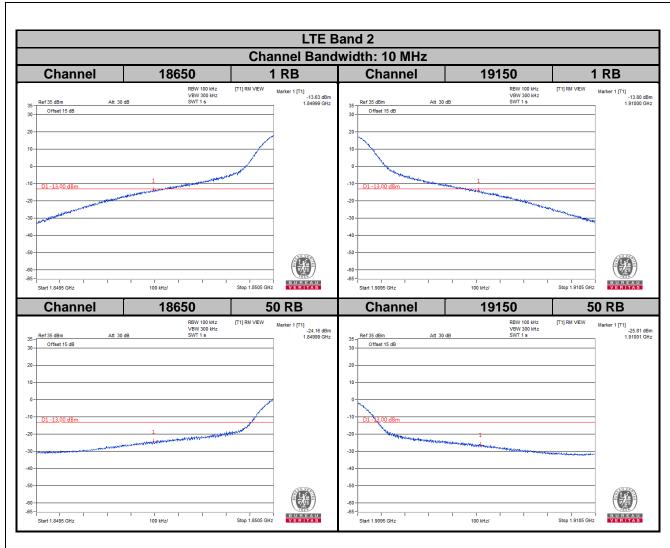




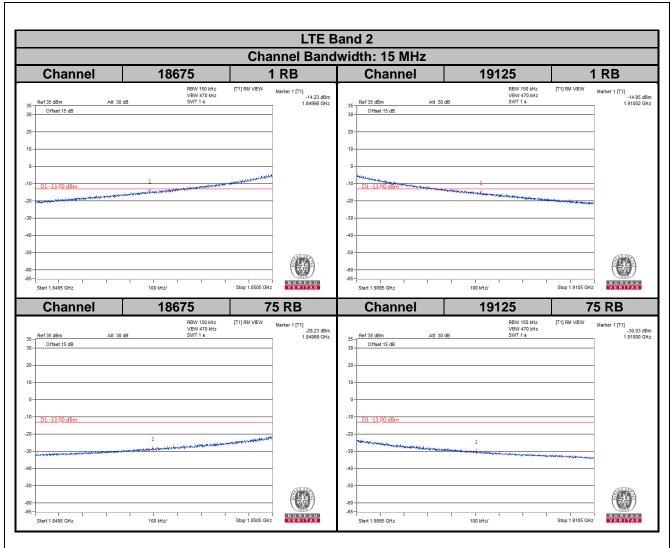




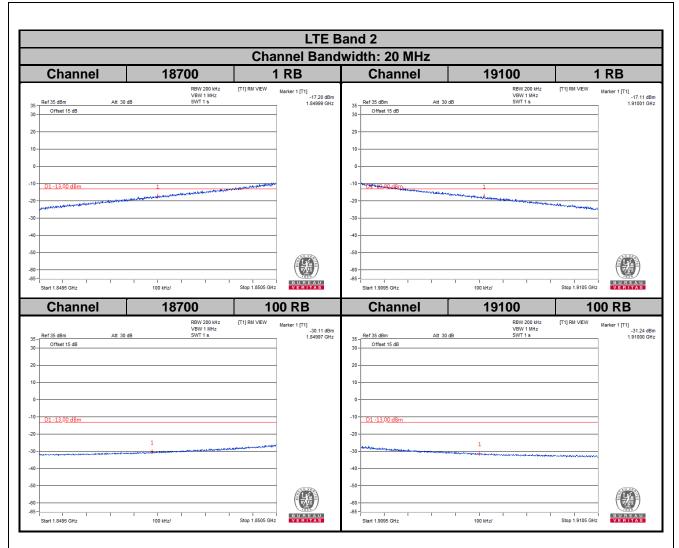
Report Format Version: 6.1.1



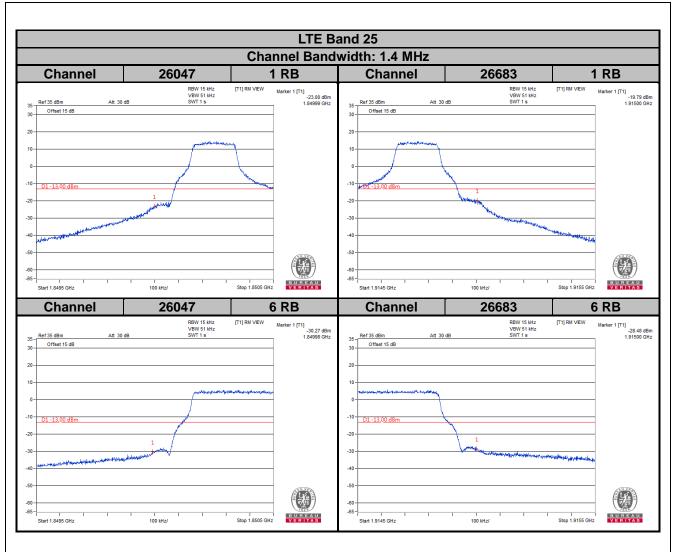




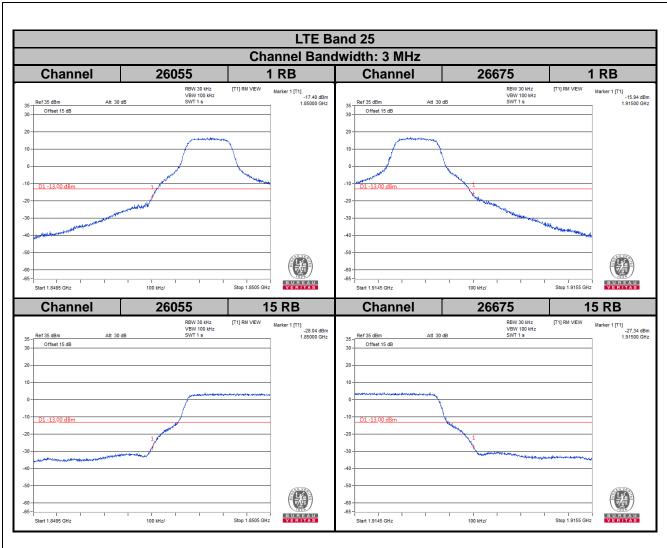




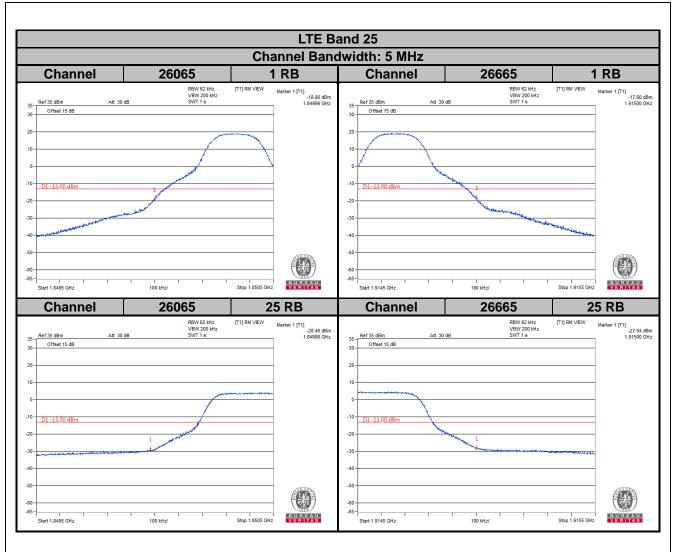




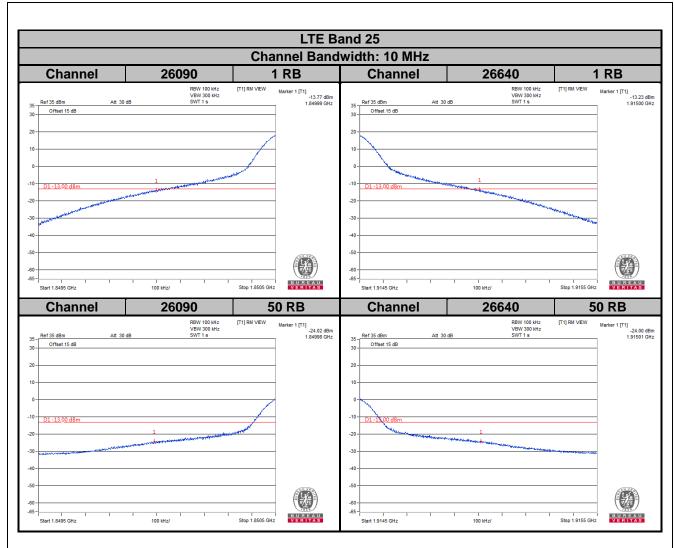




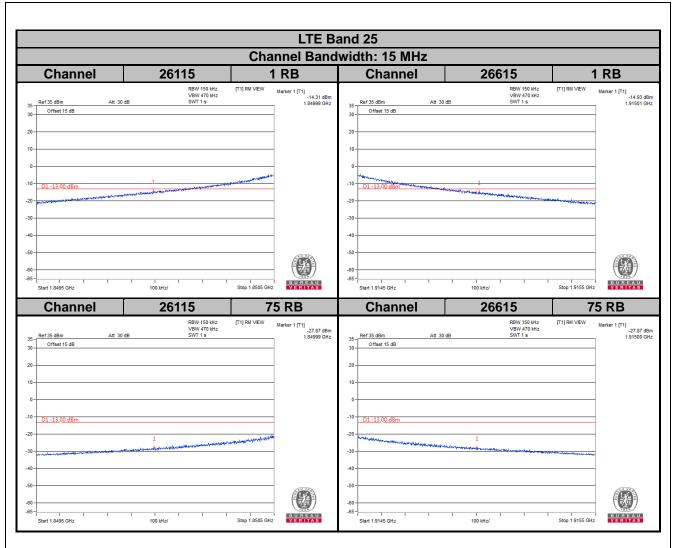




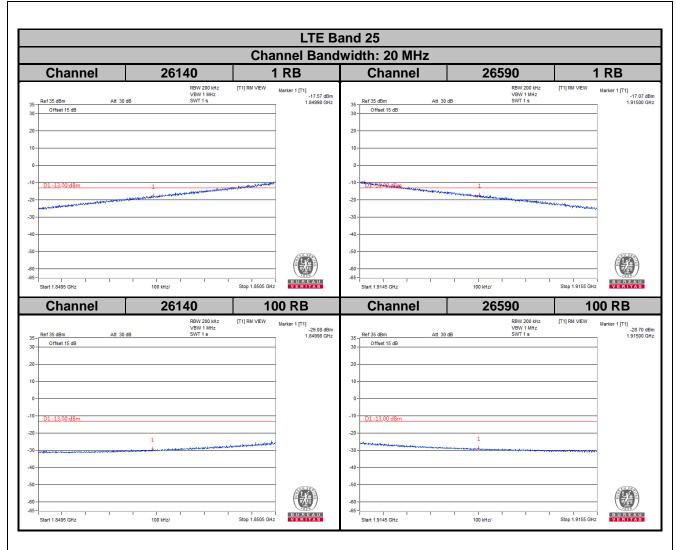












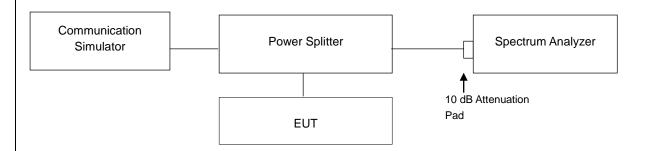


4.6 Peak to Average Ratio

4.6.1 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.

4.6.2 Test Setup



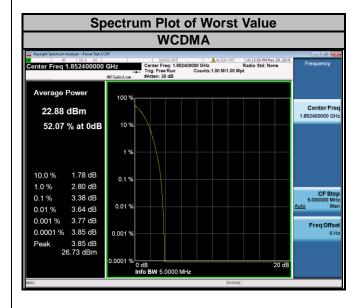
4.6.3 Test Procedures

- 1. Set resolution/measurement bandwidth ≥ 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 %.



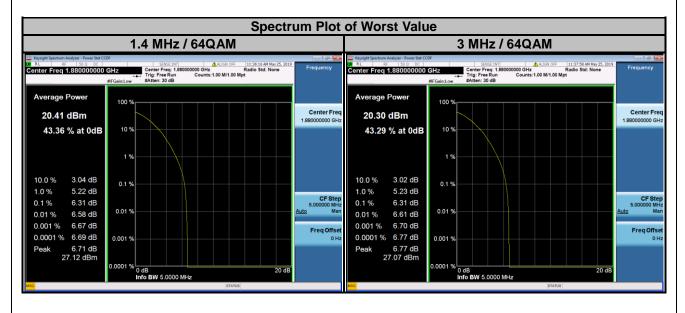
4.6.4 Test Results

Channel	Frequency	Peak to Average Ratio (dB)				
	(MHz)	WCDMA				
9262	1852.4	3.38				
9400	1880.0	3.33				
9538	1907.6	3.24				





LTE Band 2											
Channel Bandwidth: 1.4 MHz					(Channel Band	dwidth: 3	MHz			
I Channel I	Frequency	Peak to Average Ratio (dB)		Channel	Frequency	Peak to Average Ratio (dB)					
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
18607	1850.7	4.36	5.22	6.07	18615	1851.5	4.41	5.34	6.25		
18900	1880.0	5.17	5.84	6.31	18900	1880.0	5.27	5.89	6.31		
19193	1909.3	3.19	4.20	5.17	19185	1908.5	3.77	4.75	5.73		



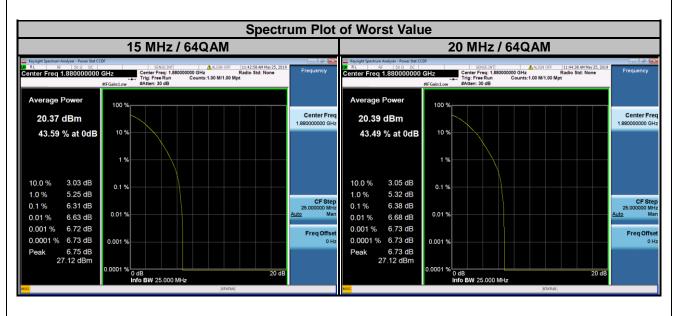


LTE Band 2											
(Channel Band	C	hannel Band	width: 1	0 MHz						
Channel ' '	Frequency	Peak to Average Ratio (dB)			Channel	Frequency	Peak to Average Ratio (dB)				
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
18625	1852.5	4.35	5.25	6.14	18650	1855.0	4.32	5.28	6.09		
18900	1880.0	5.35	5.77	6.18	18900	1880.0	5.37	5.67	6.23		
19175	1907.5	4.33	5.20	5.99	19150	1905.0	4.86	5.63	6.42		



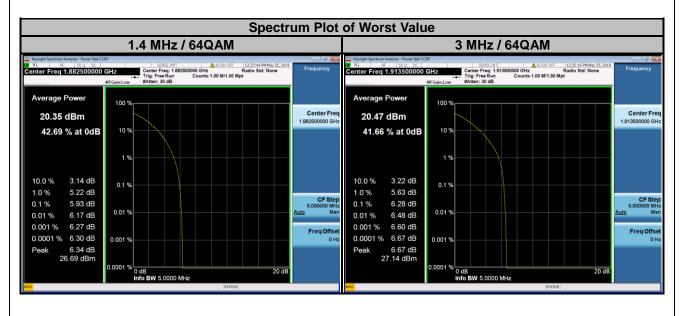


LTE Band 2											
C	hannel Band	C	hannel Band	width: 2	0 MHz						
Channel	Channel Frequency		Peak to Average Ratio (dB)			Frequency	Peak to Average Ratio (dB)				
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
18675	1857.5	4.35	5.24	6.11	18700	1860.0	4.20	5.21	6.08		
18900	1880.0	5.44	5.93	6.31	18900	1880.0	5.48	5.86	6.38		
19125	1902.5	4.33	5.35	6.31	19100	1900.0	4.07	5.00	5.98		



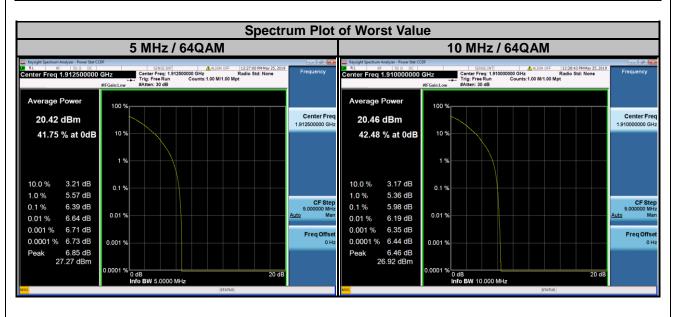


LTE Band 25											
С	hannel Band	Channel Bandwidth: 3 MHz									
Channel	Channel Frequency		Peak to Average Ratio (dB)			Frequency	Peak to Average Ratio (dB)				
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
26047	1850.7	4.29	5.00	5.57	26055	1851.5	4.34	5.06	5.66		
26365	1882.5	4.72	5.38	5.93	26365	1882.5	4.71	5.45	5.99		
26683	1914.3	4.06	4.79	5.53	26675	1913.5	4.68	5.47	6.28		





LTE Band 25											
(Channel Band	C	hannel Band	width: 1	0 MHz						
l Channel I i i	Frequency	Peak to Average Ratio (dB)			Channel	Frequency	Peak to Average Ratio (dB)				
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
26065	1852.5	4.28	4.94	5.61	26090	1855.0	4.22	4.90	5.53		
26365	1882.5	4.61	5.33	5.87	26365	1882.5	4.50	5.22	5.74		
26665	1912.5	4.69	5.52	6.39	26640	1910.0	4.66	5.33	5.98		





LTE Band 25											
C	hannel Band	Channel Bandwidth: 20 MHz									
Channel	el Frequency Peak to Ave		o Averag (dB)	je Ratio Channe		Frequency	Peak to Average Ratio (dB)				
	(MHz)	QPSK	16QAM	64QAM		(MHz)	QPSK	16QAM	64QAM		
26115	1857.5	4.23	4.92	5.47	26140	1860.0	4.22	4.87	5.52		
26365	1882.5	4.63	5.33	5.95	26365	1882.5	4.80	5.51	6.05		
26615	1907.5	4.78	5.42	6.06	26590	1905.0	5.04	5.88	6.58		



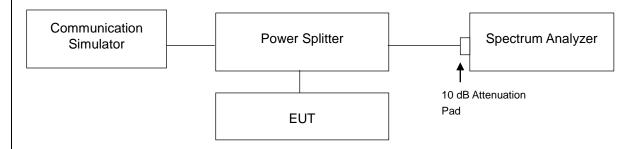


4.7 Conducted Spurious Emissions

4.7.1 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 dBm.

4.7.2 Test Setup

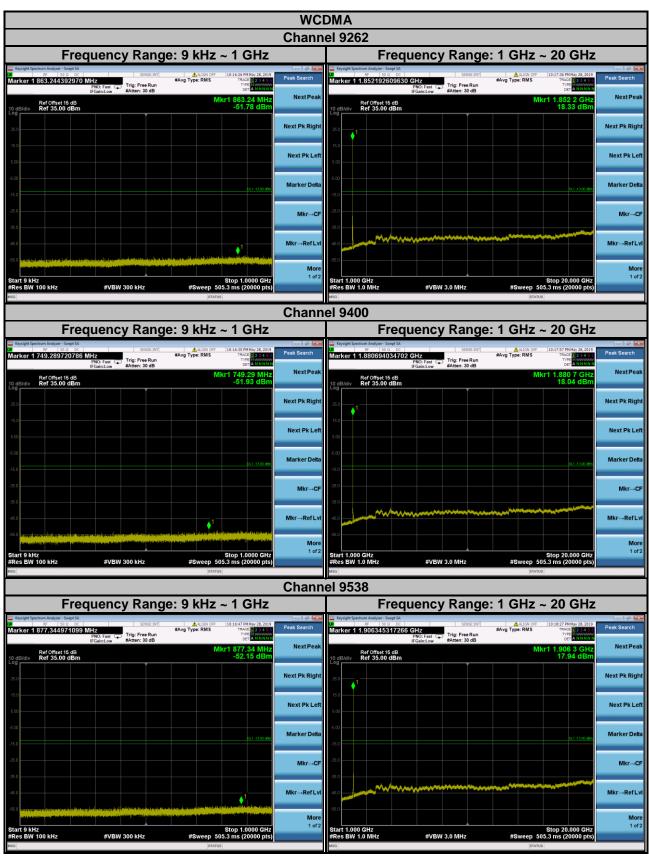


4.7.3 Test Procedure

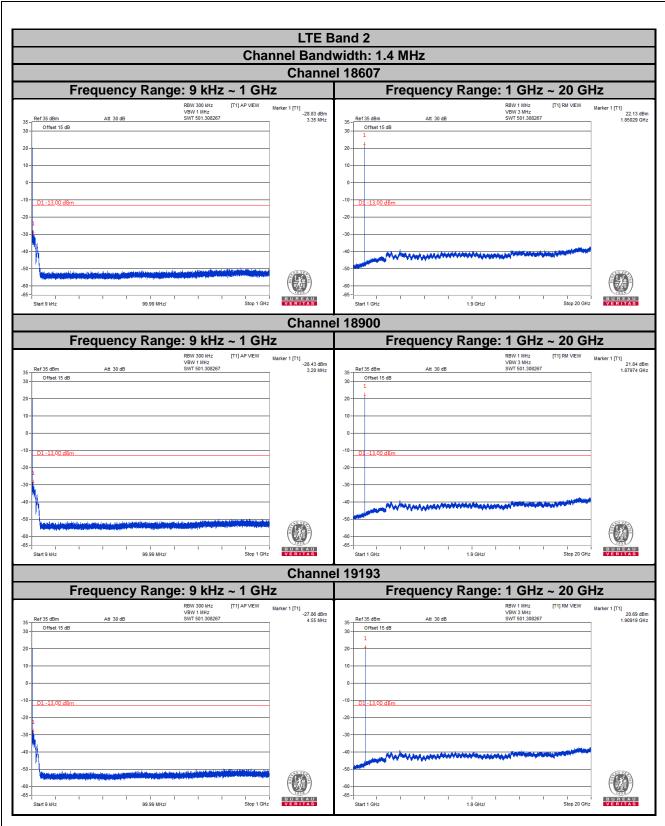
- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 1 GHz. 10 dB attenuation pad is connected with spectrum.
 RBW = 100 kHz and VBW = 300 kHz is used for WCDMA conducted emission measurement.
 RBW = 300 kHz and VBW = 1 MHz is used for LTE conducted emission measurement.
- c. Measuring frequency range is from 1 GHz to 20 GHz. 10 dB attenuation pad is connected with spectrum. RBW = 1 MHz and VBW = 3 MHz is used for conducted emission measurement.
- d. Spectrum RBW settings are referenced to ANSI 63.2-1996 section 8.2.2 and ANSI 63.26 section 5.7.2.



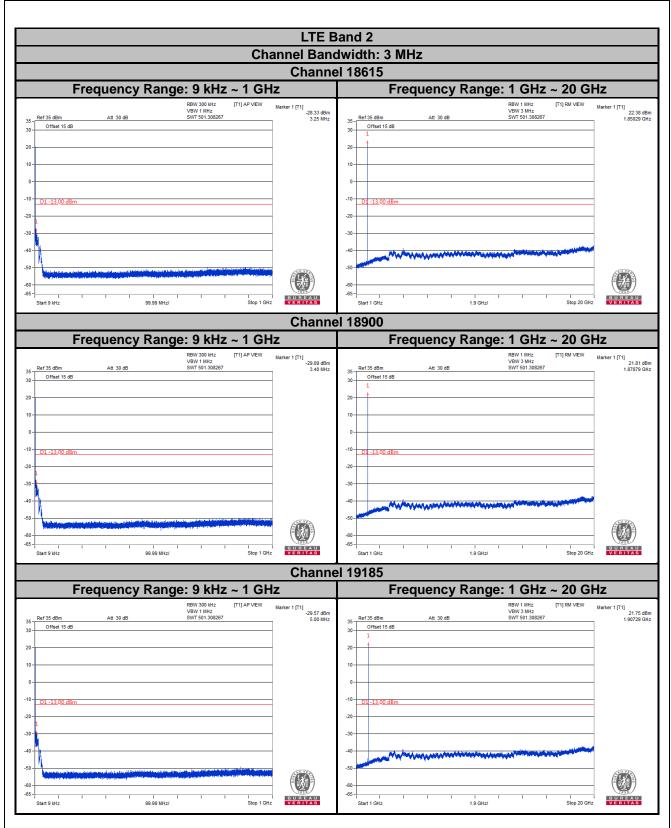
4.7.4 Test Results



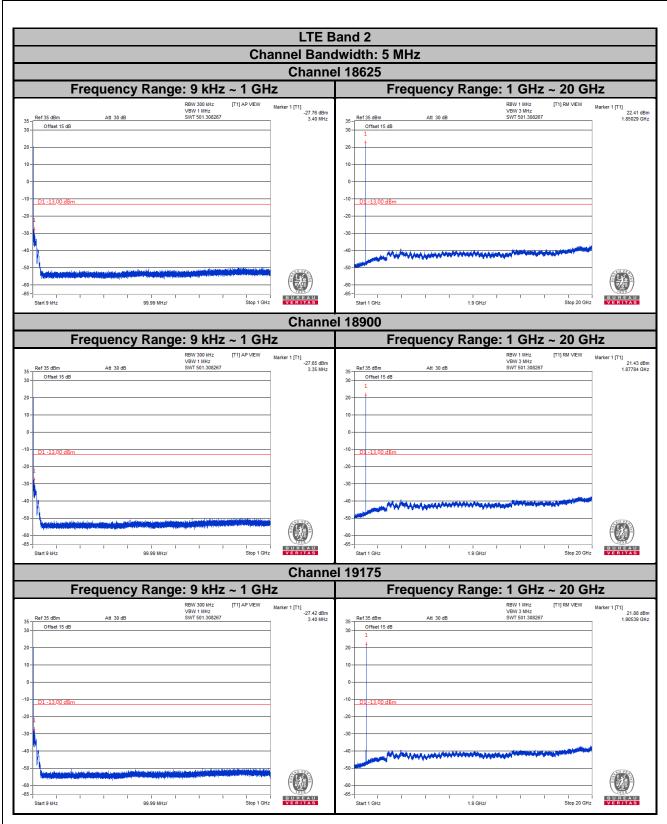




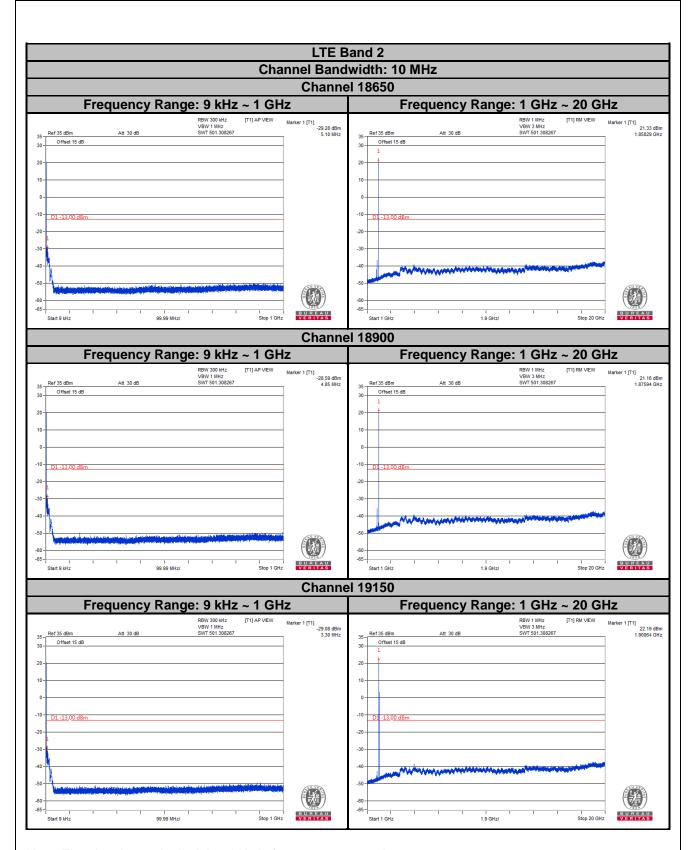




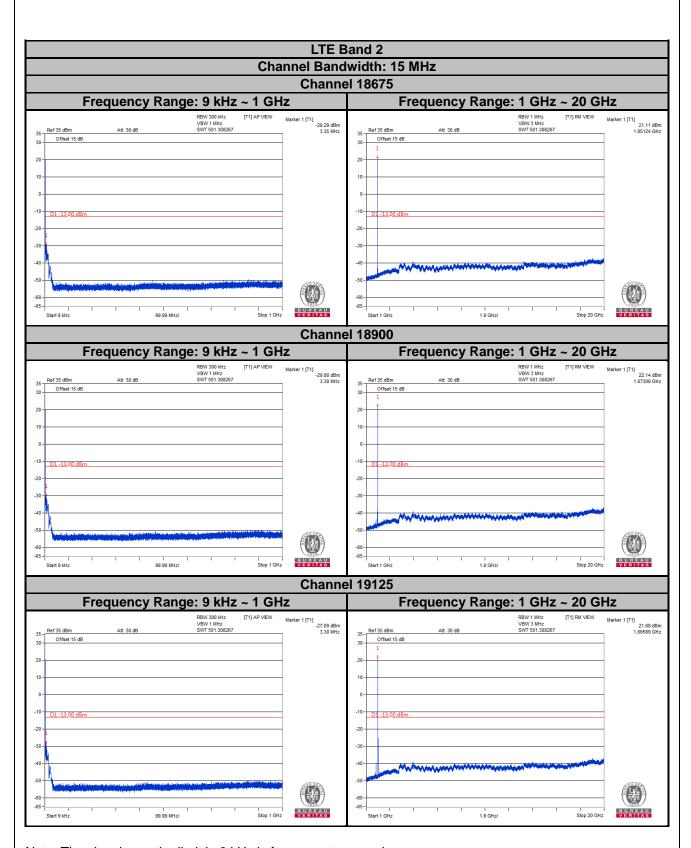




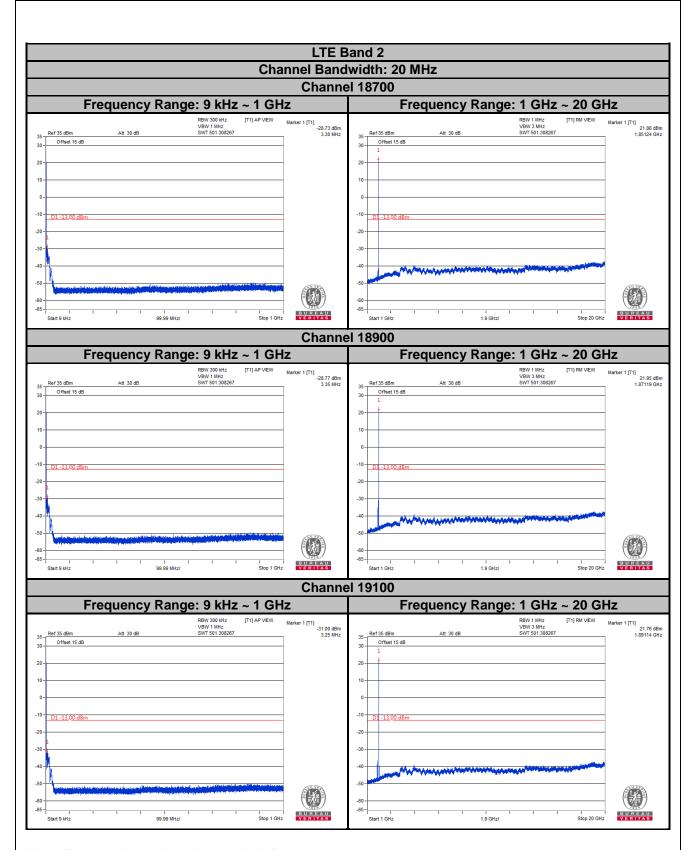




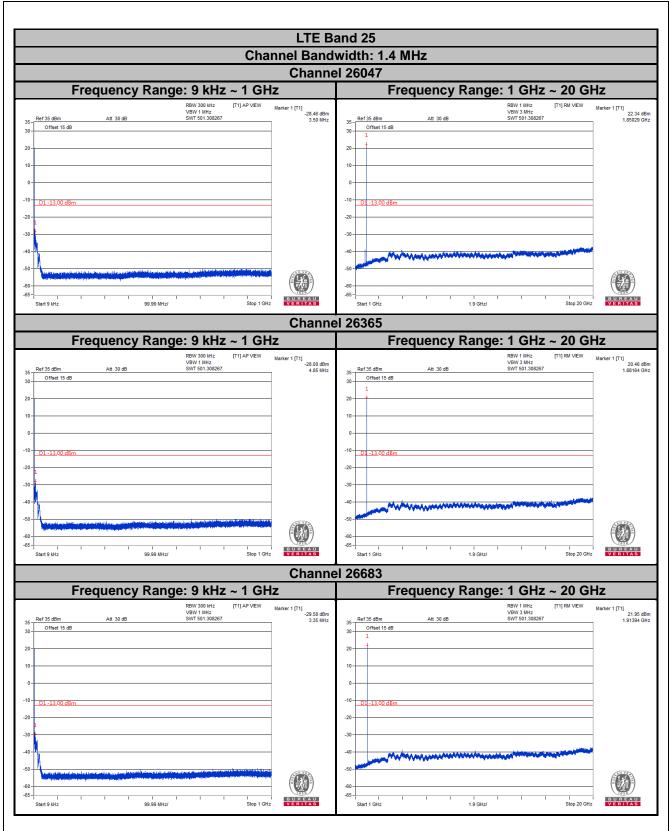




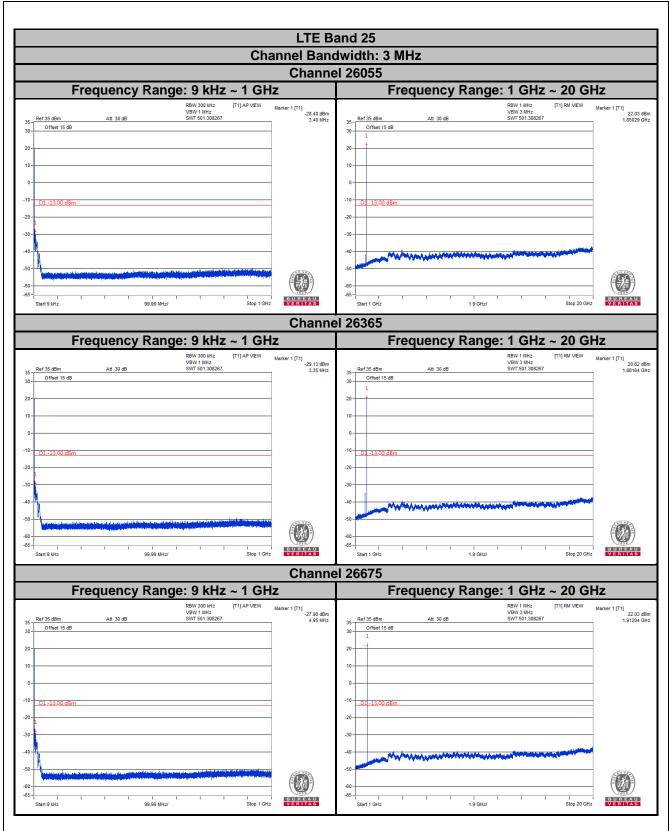




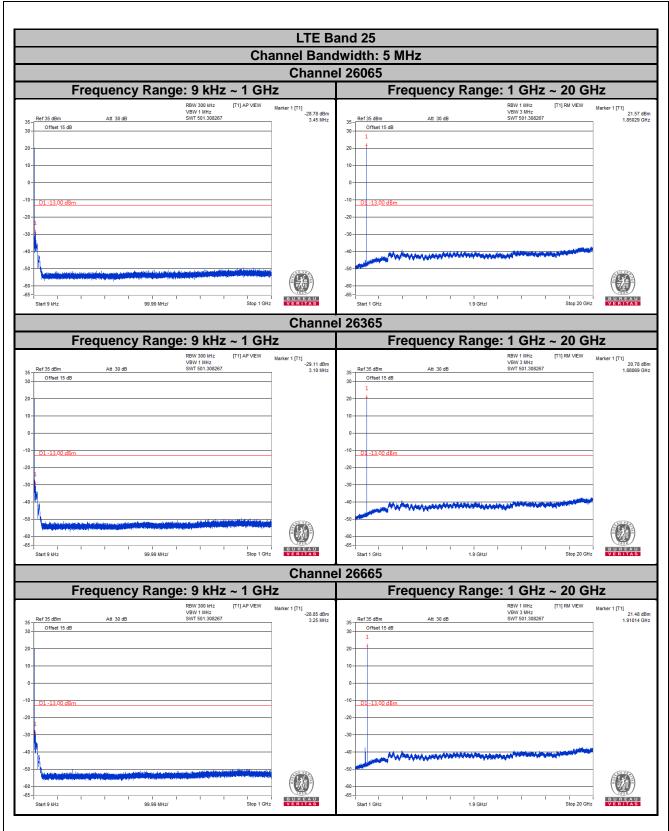




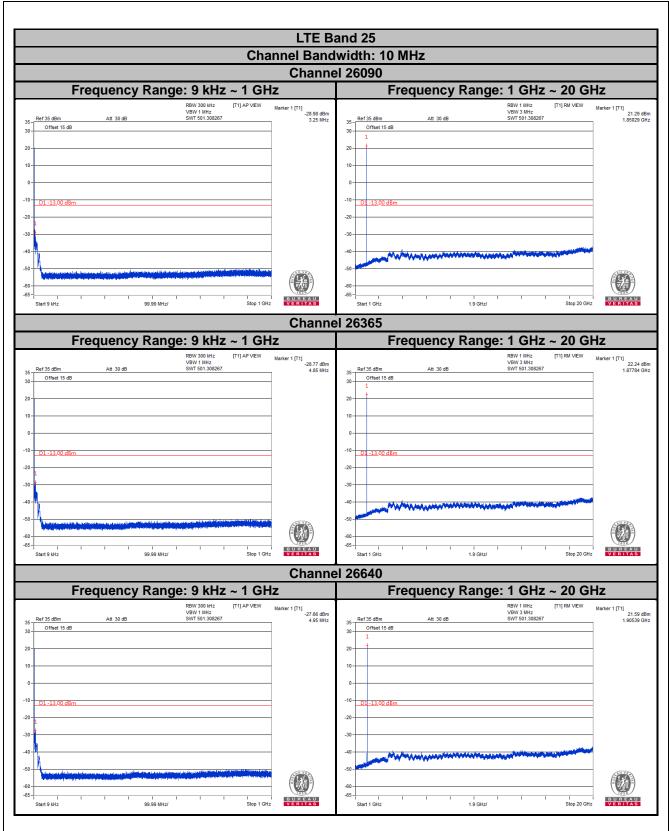




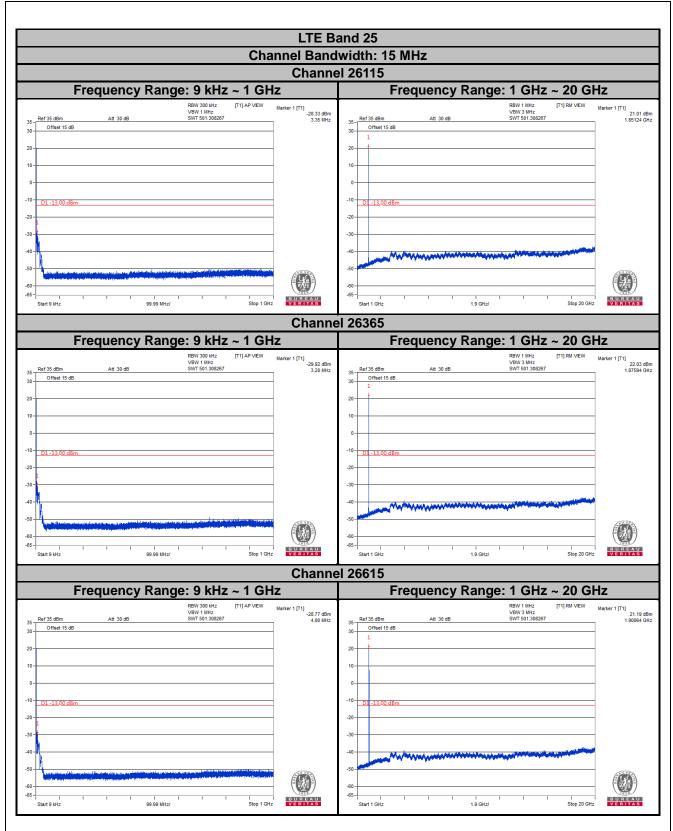




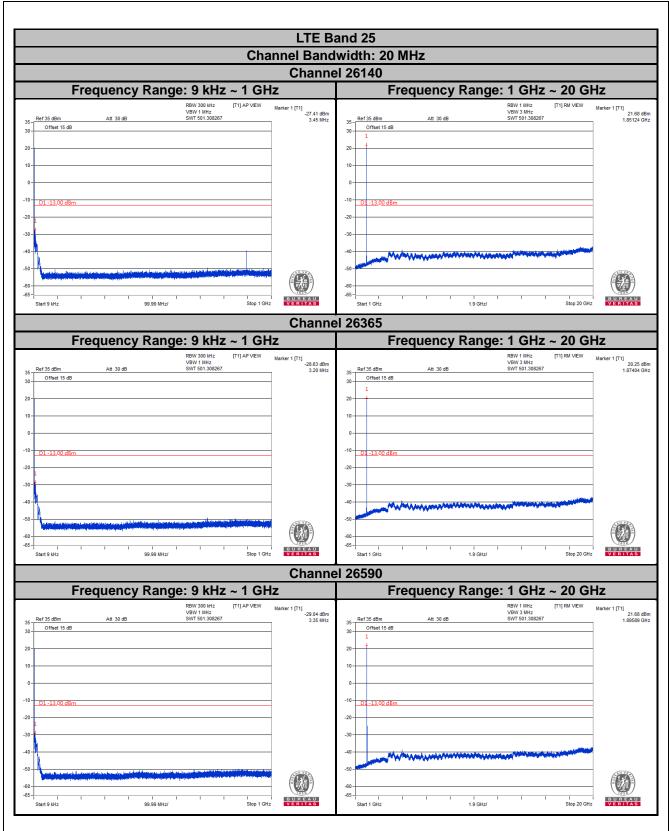














4.8 Radiated Emission Measurement

4.8.1 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 is equal to -13 dBm.

4.8.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) 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 1 m to 4 m 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 = Output power level of S.G TX cable loss + 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 power = E.I.R.P power 2.15 dB.

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

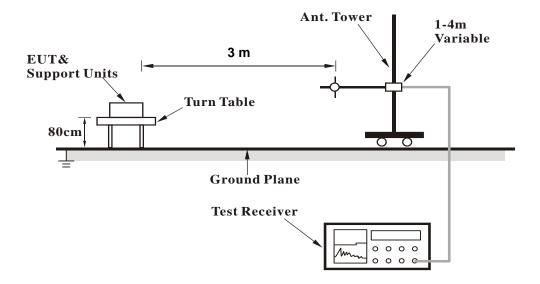
4.8.3 Deviation from Test Standard

No deviation.

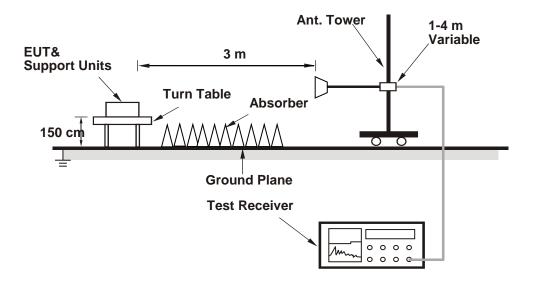


4.8.4 Test Setup

<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



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



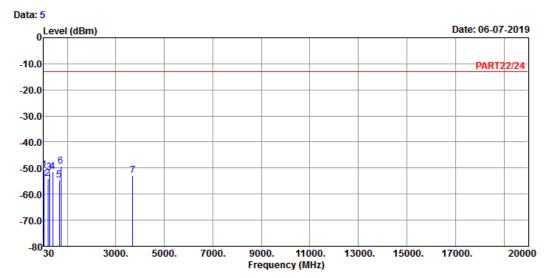
4.8.5 Test Results

WCDMA:

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

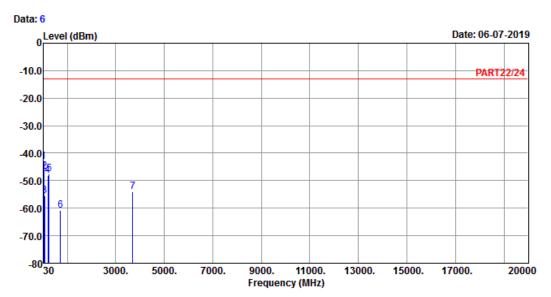
Condition: PART22/24 HORIZONTAL
Remak : WCDMA Band 2 Link_L-CH

Tested by: Thomas Wei

			Read	Limit		0ver	
	Freq	Level	Level	Line	Factor	Limit	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-50.88	-49.41	-13.00	-1.47	-37.88	Peak
2	196.84	-54.15	-46.41	-13.00	-7.74	-41.15	Peak
3	261.83	-51.78	-45.55	-13.00	-6.23	-38.78	Peak
4	395.69	-51.49	-45.52	-13.00	-5.97	-38.49	Peak
5	664.38	-54.59	-53.93	-13.00	-0.66	-41.59	Peak
6 рр	731.31	-49.26	-49.78	-13.00	0.52	-36.26	Peak
7	3704.80	-52.93	-46.00	-13.00	-6.93	-39.93	Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL Remak : WCDMA Band 2 Link_L-CH

Tested by: Thomas Wei

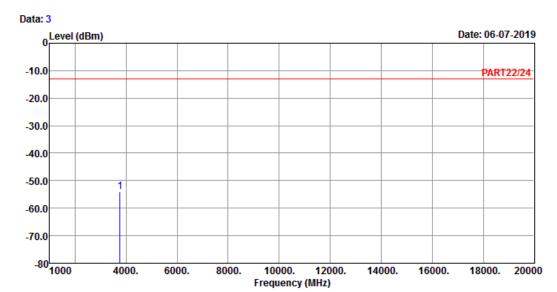
				Read	Limit		0ver		
		Freq	Level	Level	Line	Factor	Limit	Remark	
		MHz	dBm	dBm	dBm	dB	dB		
	4	20.00	42.05	42.22	42.00	0.20	20.05	DI-	
	1 рр	30.00	-42.95	-43.33	-13.00	0.38	-29.95	reak	
	2	43.58	-46.55	-45.08	-13.00	-1.47	-33.55	Peak	
	3	66.86	-55.37	-47.19	-13.00	-8.18	-42.37	Peak	
4	4	195.87	-48.04	-40.39	-13.00	-7.65	-35.04	Peak	
	5	259.89	-47.67	-41.48	-13.00	-6.19	-34.67	Peak	
	6	729.37	-60.90	-61.38	-13.00	0.48	-47.90	Peak	
	7	3704.80	-54.01	-47.08	-13.00	-6.93	-41.01	Peak	



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL
Remak : WCDMA Band 2 Link_M-CH

Tested by: Thomas Wei

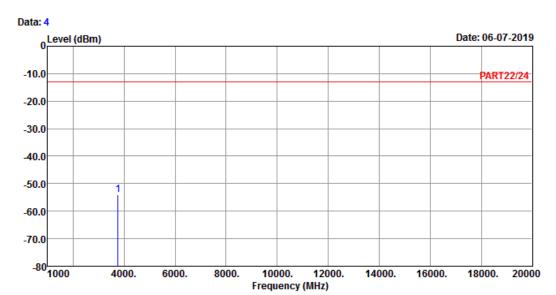
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3760.00 -53.89 -47.24 -13.00 -6.65 -40.89 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL Remak : WCDMA Band 2 Link_M-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

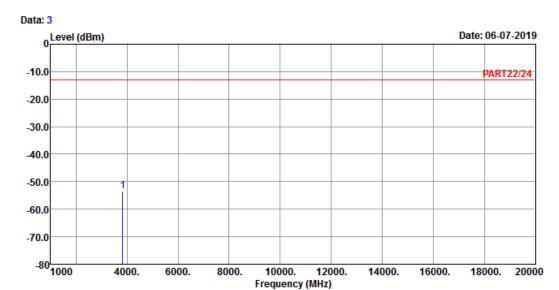
1 pp 3760.00 -54.06 -47.41 -13.00 -6.65 -41.06 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL
Remak : WCDMA Band 2 Link_H-CH

Tested by: Thomas Wei

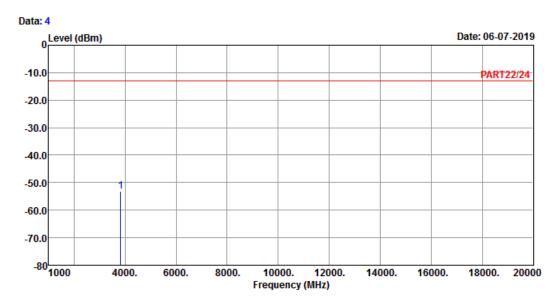
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3815.20 -53.47 -47.07 -13.00 -6.40 -40.47 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL Remak : WCDMA Band 2 Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

1 pp 3815.20 -53.01 -46.61 -13.00 -6.40 -40.01 Peak



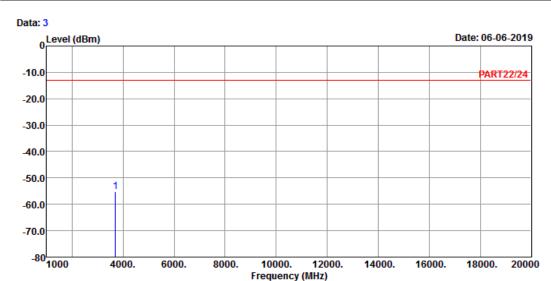
LTE Band 2

Channel Bandwidth: 1.4 MHz / QPSK

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_1.4M Link_L-CH

Tested by: Thomas Wei

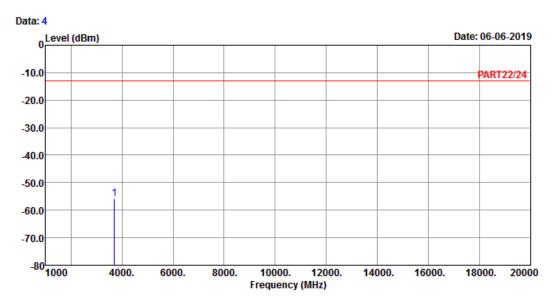
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3701.40 -55.11 -48.18 -13.00 -6.93 -42.11 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_1.4M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

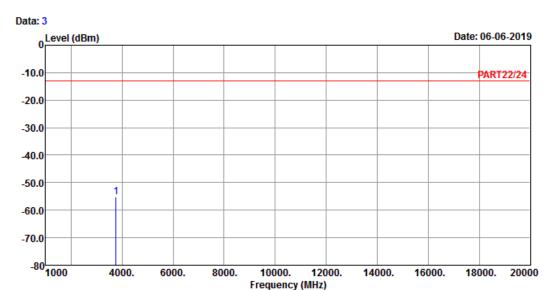
1 pp 3701.40 -55.84 -48.91 -13.00 -6.93 -42.84 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_1.4M Link_M-CH

Tested by: Thomas Wei

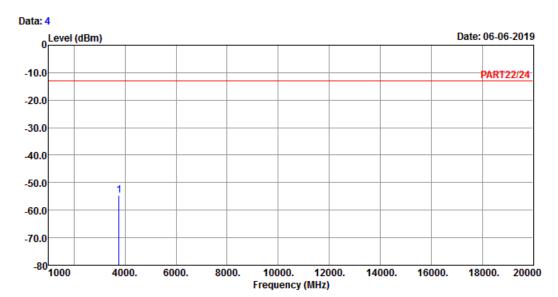
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3760.00 -55.18 -48.53 -13.00 -6.65 -42.18 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_1.4M Link_M-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

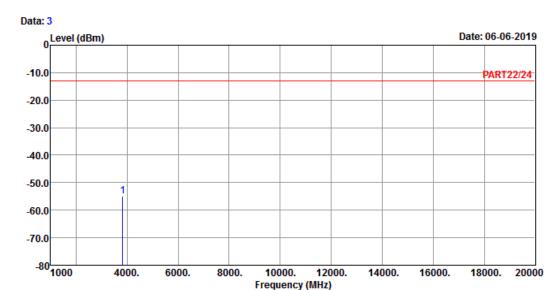
1 pp 3760.00 -54.62 -47.97 -13.00 -6.65 -41.62 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_1.4M Link_H-CH

Tested by: Thomas Wei

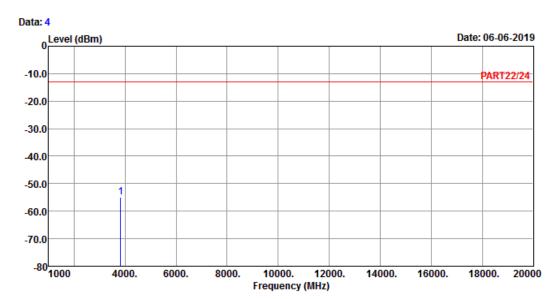
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3818.60 -55.03 -48.63 -13.00 -6.40 -42.03 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_1.4M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

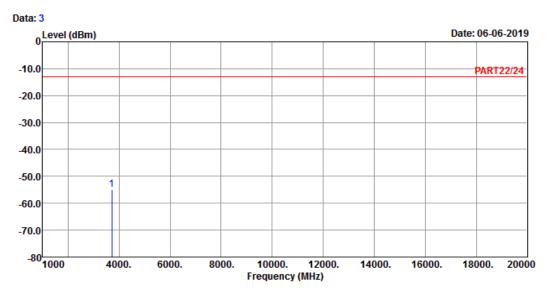
1 pp 3818.60 -54.95 -48.55 -13.00 -6.40 -41.95 Peak



Channel Bandwidth: 5 MHz / QPSK Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_5M Link_L-CH

Tested by: Thomas Wei

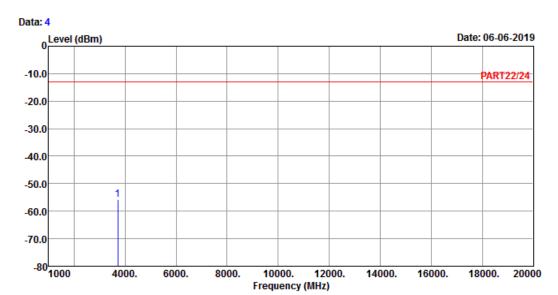
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3705.00 -54.96 -48.03 -13.00 -6.93 -41.96 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_5M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

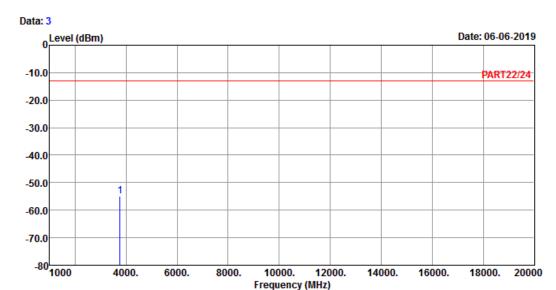
1 pp 3705.00 -55.71 -48.78 -13.00 -6.93 -42.71 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_5M Link_M-CH

Tested by: Thomas Wei

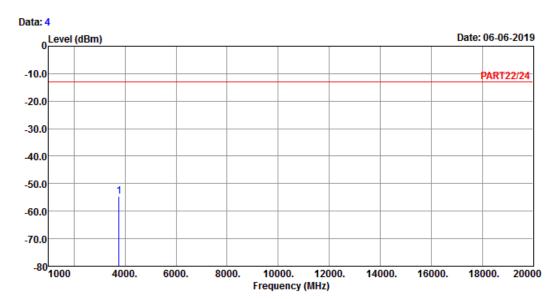
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB dB

1 pp 3760.00 -55.03 -48.38 -13.00 -6.65 -42.03 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_5M Link_M-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

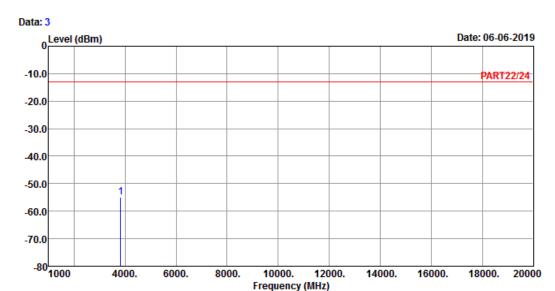
1 pp 3760.00 -54.48 -47.83 -13.00 -6.65 -41.48 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_5M Link_H-CH

Tested by: Thomas Wei

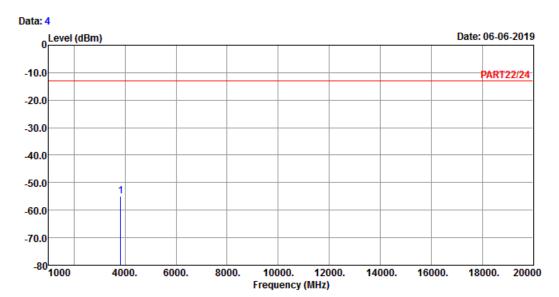
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3815.00 -54.81 -48.41 -13.00 -6.40 -41.81 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_5M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

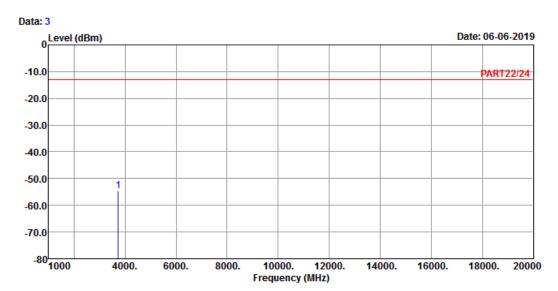
1 pp 3815.00 -54.78 -48.38 -13.00 -6.40 -41.78 Peak



Channel Bandwidth: 20 MHz / QPSK Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_L-CH

Tested by: Thomas Wei

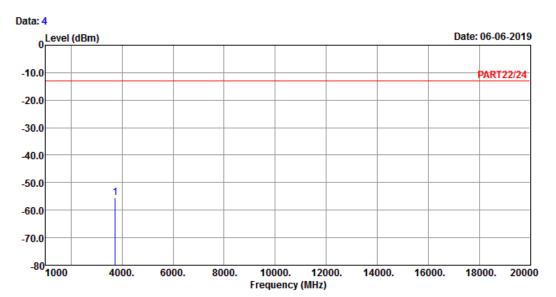
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3720.00 -54.62 -47.80 -13.00 -6.82 -41.62 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

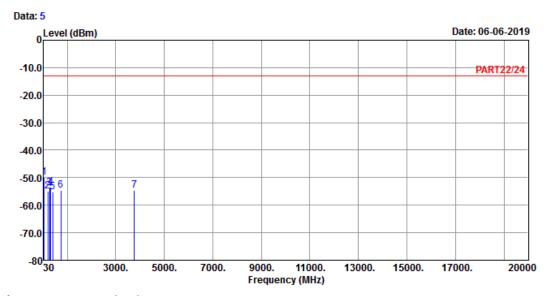
1 pp 3720.00 -55.35 -48.53 -13.00 -6.82 -42.35 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_M-CH

Tested by: Thomas Wei

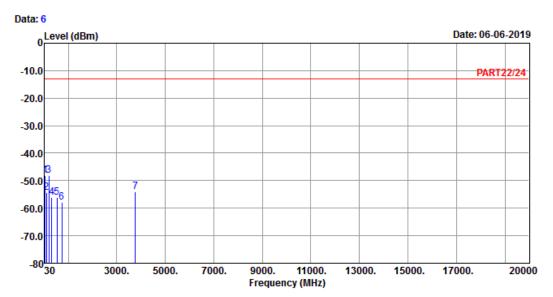
6 7

	Freq	Level		Limit Line	Factor	Over Limit	Remark
-	MHz	dBm	dBm	dBm	dB	dB	
pp	202.66	-55.04		-13.00	-1.47 -7.90		Peak
	317.12 398.60	-53.37 -55.21	-46.62 -49.26	-13.00 -13.00	-6.75	-40.37 -42.21	Peak Peak

3760.00 -54.64 -47.99 -13.00 -6.65 -41.64 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_M-CH

Tested by: Thomas Wei

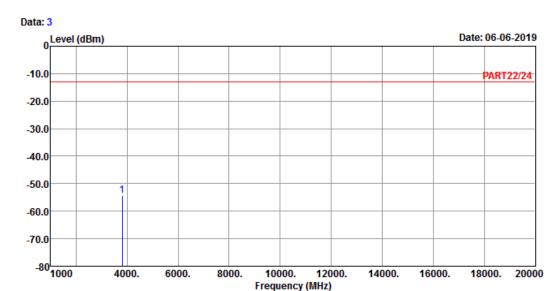
	,		_				
			Read	Limit		0ver	
	Freq	Level	Level	Line	Factor	Limit	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-48.02	-46.55	-13.00	-1.47	-35.02	Peak
2	102.75	-54.20	-43.71	-13.00	-10.49	-41.20	Peak
3	194.90	-48.16	-40.61	-13.00	-7.55	-35.16	Peak
4	318.09	-55.95	-49.22	-13.00	-6.73	-42.95	Peak
5	533.43	-55.96	-52.52	-13.00	-3.44	-42.96	Peak
6	731.31	-57.74	-58.26	-13.00	0.52	-44.74	Peak
7	3760.00	-54.11	-47.46	-13.00	-6.65	-41.11	Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

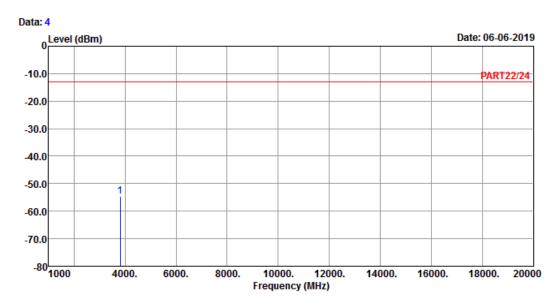
1 pp 3800.00 -54.44 -48.01 -13.00 -6.43 -41.44 Peak



Report Format Version: 6.1.1



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3800.00 -54.52 -48.09 -13.00 -6.43 -41.52 Peak



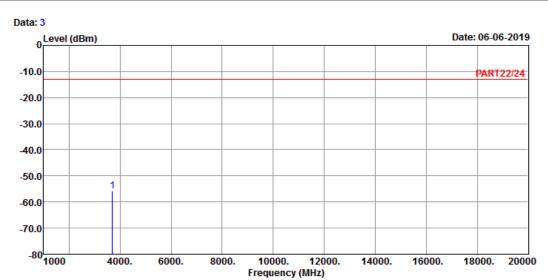
LTE Band 25

Channel Bandwidth: 1.4 MHz / QPSK

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_1.4M Link_L-CH

Tested by: Thomas Wei

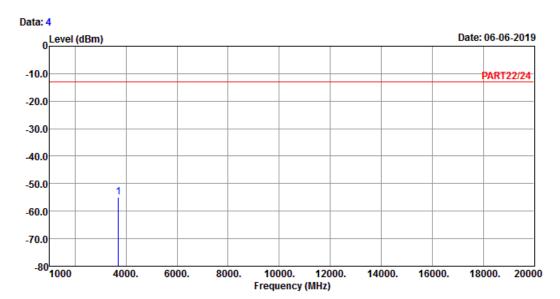
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3701.40 -55.69 -48.76 -13.00 -6.93 -42.69 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_1.4M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

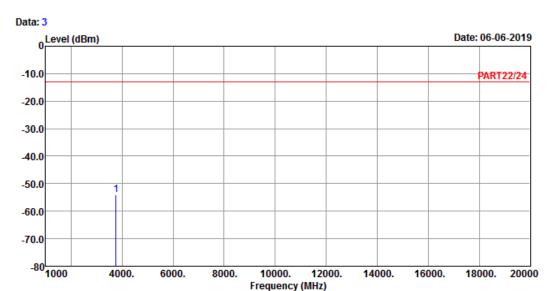
1 pp 3701.40 -55.02 -48.09 -13.00 -6.93 -42.02 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_1.4M Link_M-CH

Tested by: Thomas Wei

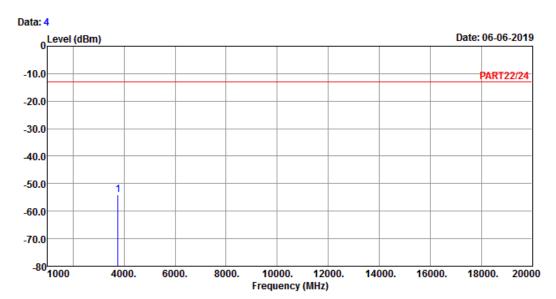
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3765.00 -54.07 -47.47 -13.00 -6.60 -41.07 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_1.4M Link_M-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

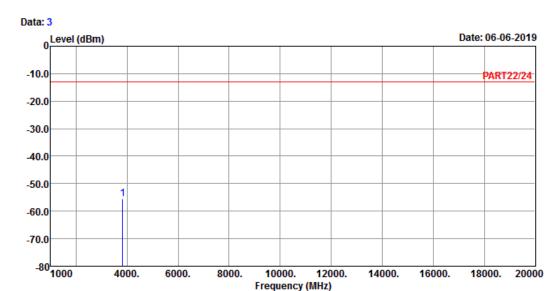
1 pp 3765.00 -53.91 -47.31 -13.00 -6.60 -40.91 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_1.4M Link_H-CH

Tested by: Thomas Wei

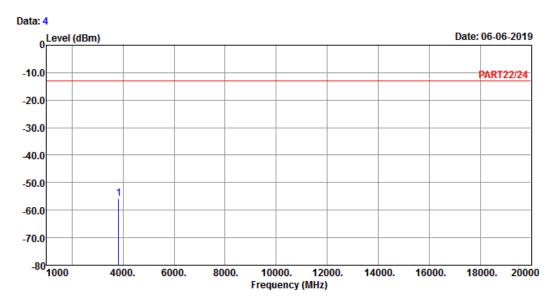
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3828.60 -55.57 -49.20 -13.00 -6.37 -42.57 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_1.4M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

1 pp 3828.60 -55.78 -49.41 -13.00 -6.37 -42.78 Peak

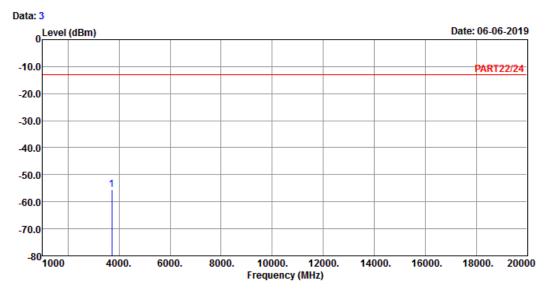


Channel Bandwidth: 5 MHz / QPSK

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_5M Link_L-CH

Tested by: Thomas Wei

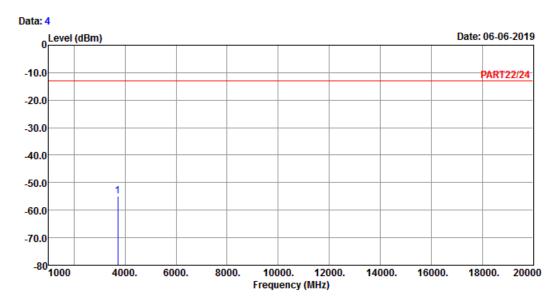
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3705.00 -55.48 -48.55 -13.00 -6.93 -42.48 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_5M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

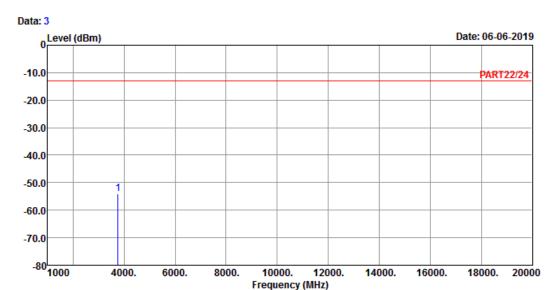
1 pp 3705.00 -54.77 -47.84 -13.00 -6.93 -41.77 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_5M Link_M-CH

Tested by: Thomas Wei

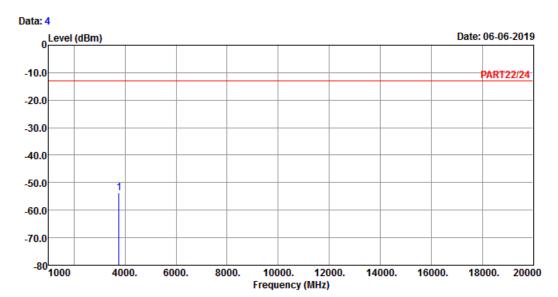
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3765.00 -53.89 -47.29 -13.00 -6.60 -40.89 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_5M Link_M-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

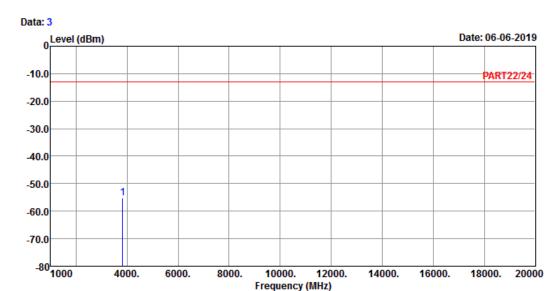
1 pp 3765.00 -53.77 -47.17 -13.00 -6.60 -40.77 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



: 966 Chamber 5 Condition: PART22/24 VERTICAL

: LTE Band 25 QPSK_5M Link_H-CH

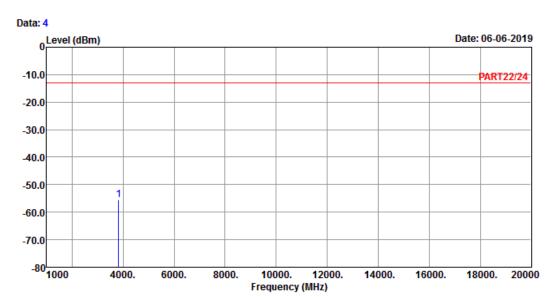
Tested by: Thomas Wei

Read Limit 0ver Freq Level Level Line Factor Limit Remark MHz dBm dBm dBm dB dB

1 pp 3825.00 -55.32 -48.95 -13.00 -6.37 -42.32 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_5M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

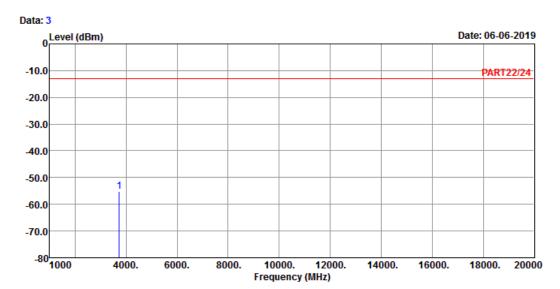
1 pp 3825.00 -55.45 -49.08 -13.00 -6.37 -42.45 Peak



Channel Bandwidth: 20 MHz / QPSK Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_20M Link_L-CH

Tested by: Thomas Wei

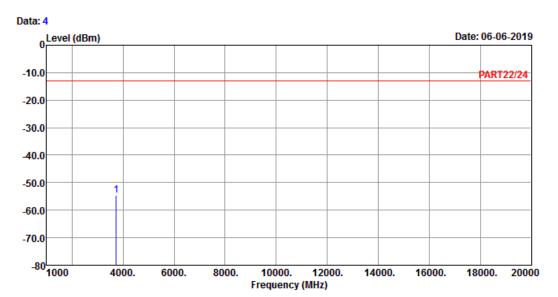
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3720.00 -55.23 -48.41 -13.00 -6.82 -42.23 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_20M Link_L-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

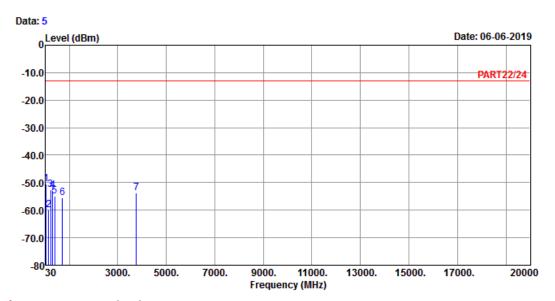
1 pp 3720.00 -54.48 -47.66 -13.00 -6.82 -41.48 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_20M Link_M-CH

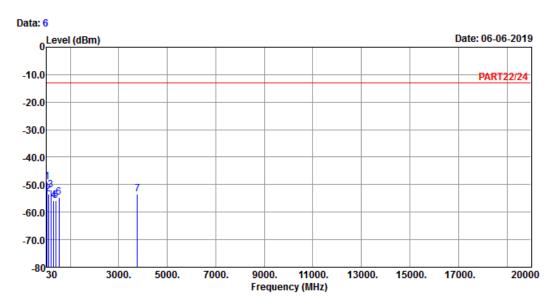
Tested by: Thomas Wei

	Freq	Level	Read Level	Limit Line		Over Limit	Remark
-	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-50.48	-49.01	-13.00	-1.47	-37.48	Peak
2	152.22	-59.89	-52.86	-13.00	-7.03	-46.89	Peak
3	229.82	-52.45	-45.64	-13.00	-6.81	-39.45	Peak
4	315.18	-52.96	-46.18	-13.00	-6.78	-39.96	Peak
5	397.63	-54.97	-49.01	-13.00	-5.96	-41.97	Peak
6	729.37	-55.57	-56.05	-13.00	0.48	-42.57	Peak

3765.00 -53.62 -47.02 -13.00 -6.60 -40.62 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_20M Link_M-CH

Tested by: Thomas Wei

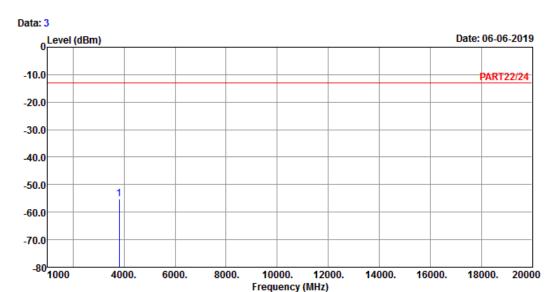
	Freq	Level		Limit Line	Factor	Over Limit	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-49.05	-47.58	-13.00	-1.47	-36.05	Peak
2	106.63	-53.52	-43.12	-13.00	-10.40	-40.52	Peak
3	196.84	-51.86	-44.12	-13.00	-7.74	-38.86	Peak
4	318.09	-55.86	-49.13	-13.00	-6.73	-42.86	Peak
5	398.60	-55.83	-49.88	-13.00	-5.95	-42.83	Peak
6	532.46	-54.57	-51.10	-13.00	-3.47	-41.57	Peak
7	3765.00	-53.41	-46.81	-13.00	-6.60	-40.41	Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_20M Link_H-CH

Tested by: Thomas Wei

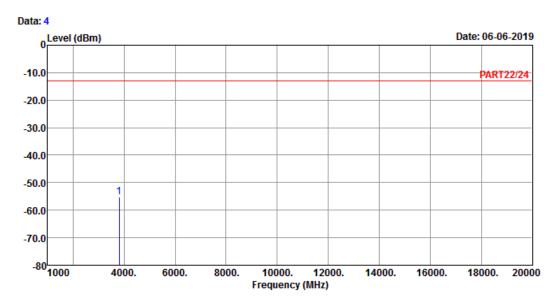
Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dBm dB dB

1 pp 3810.00 -55.12 -48.72 -13.00 -6.40 -42.12 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_20M Link_H-CH

Tested by: Thomas Wei

Read Limit Over
Freq Level Level Line Factor Limit Remark

MHz dBm dBm dB dB dB

1 pp 3810.00 -55.13 -48.73 -13.00 -6.40 -42.13 Peak



5 Pi	ctures of Test Arrangements									
	Please refer to the attached file (Test Setup Photo).									



Appendix - Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180 Fax: 886-2-26051924 Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565 Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

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