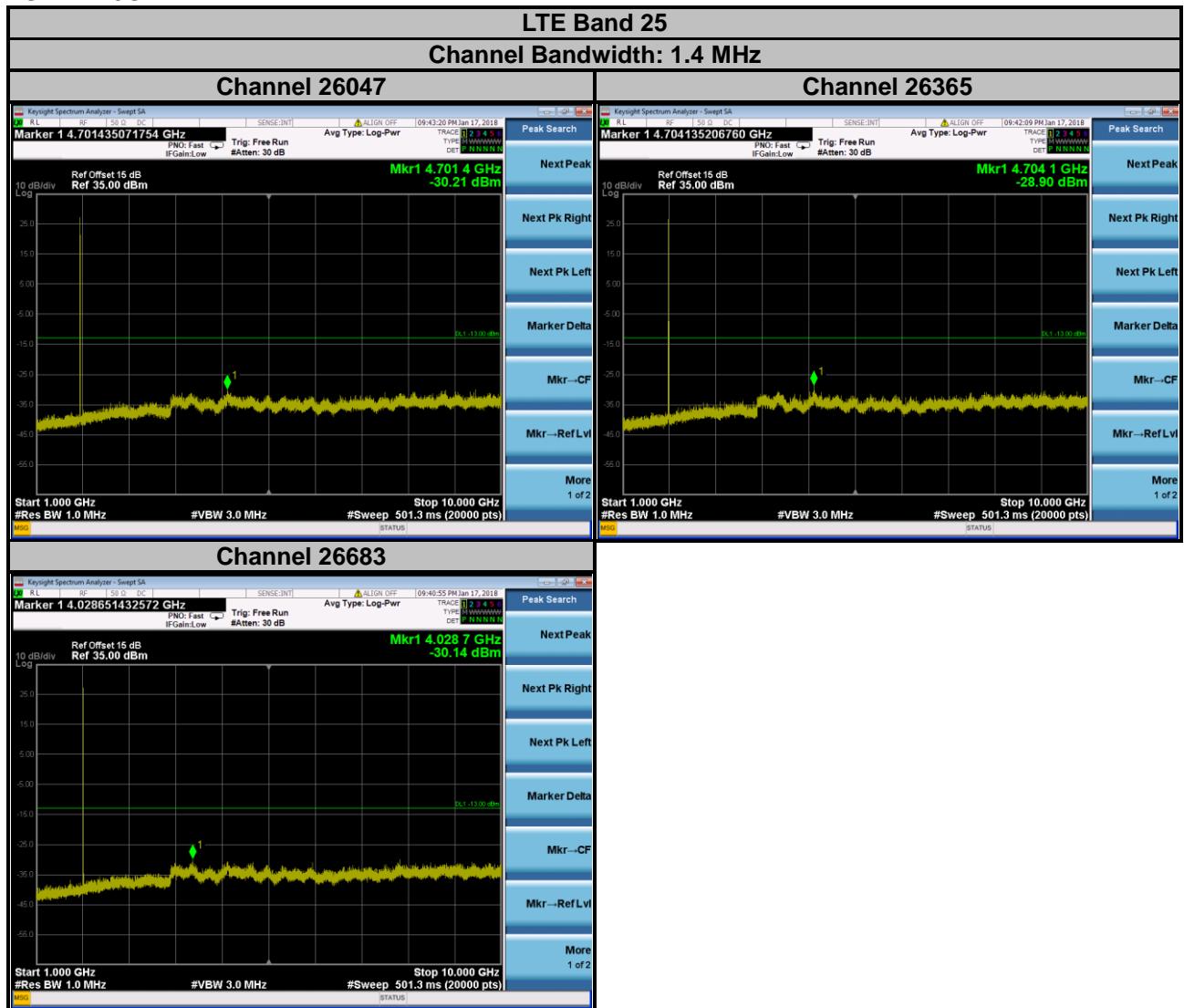
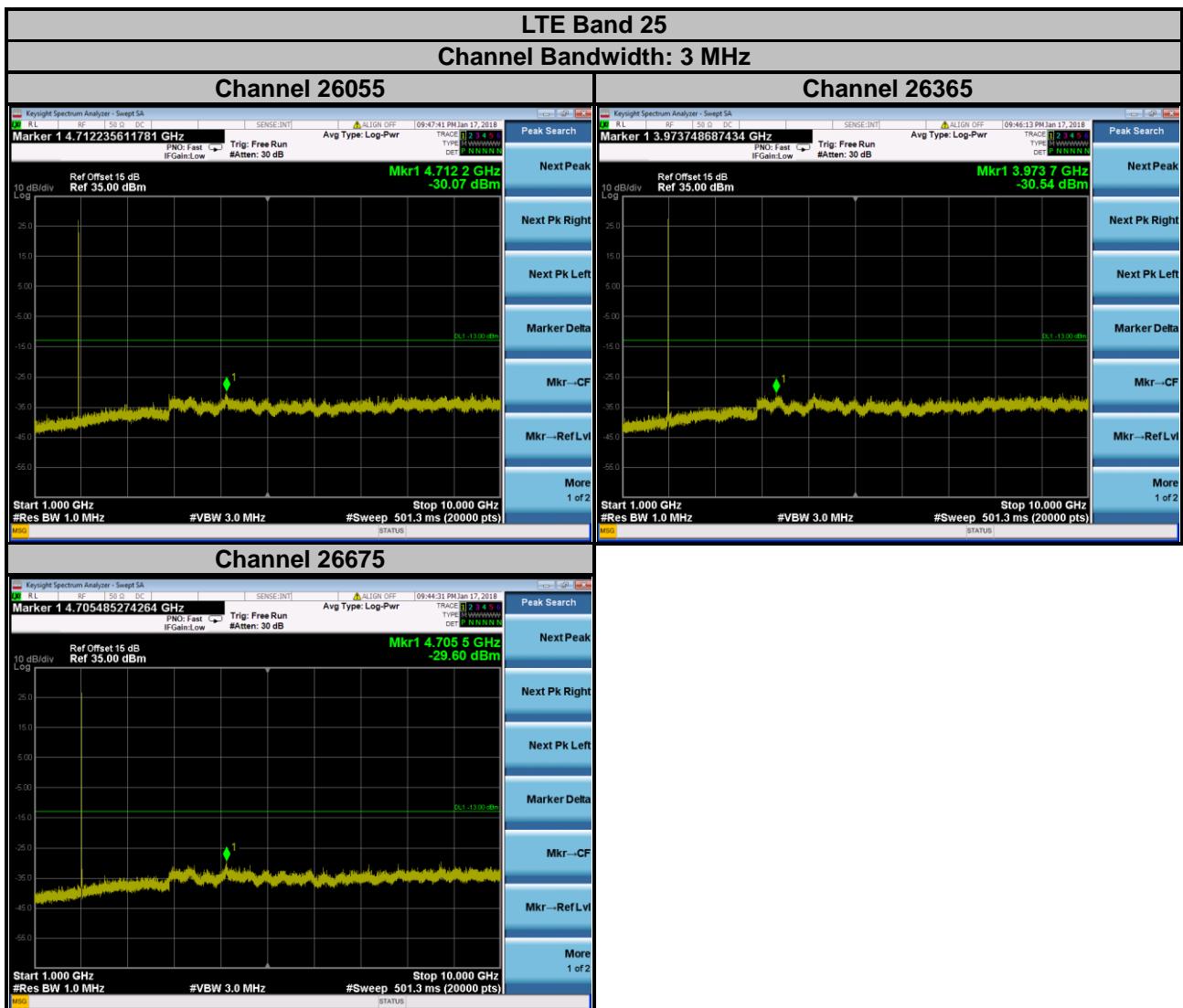
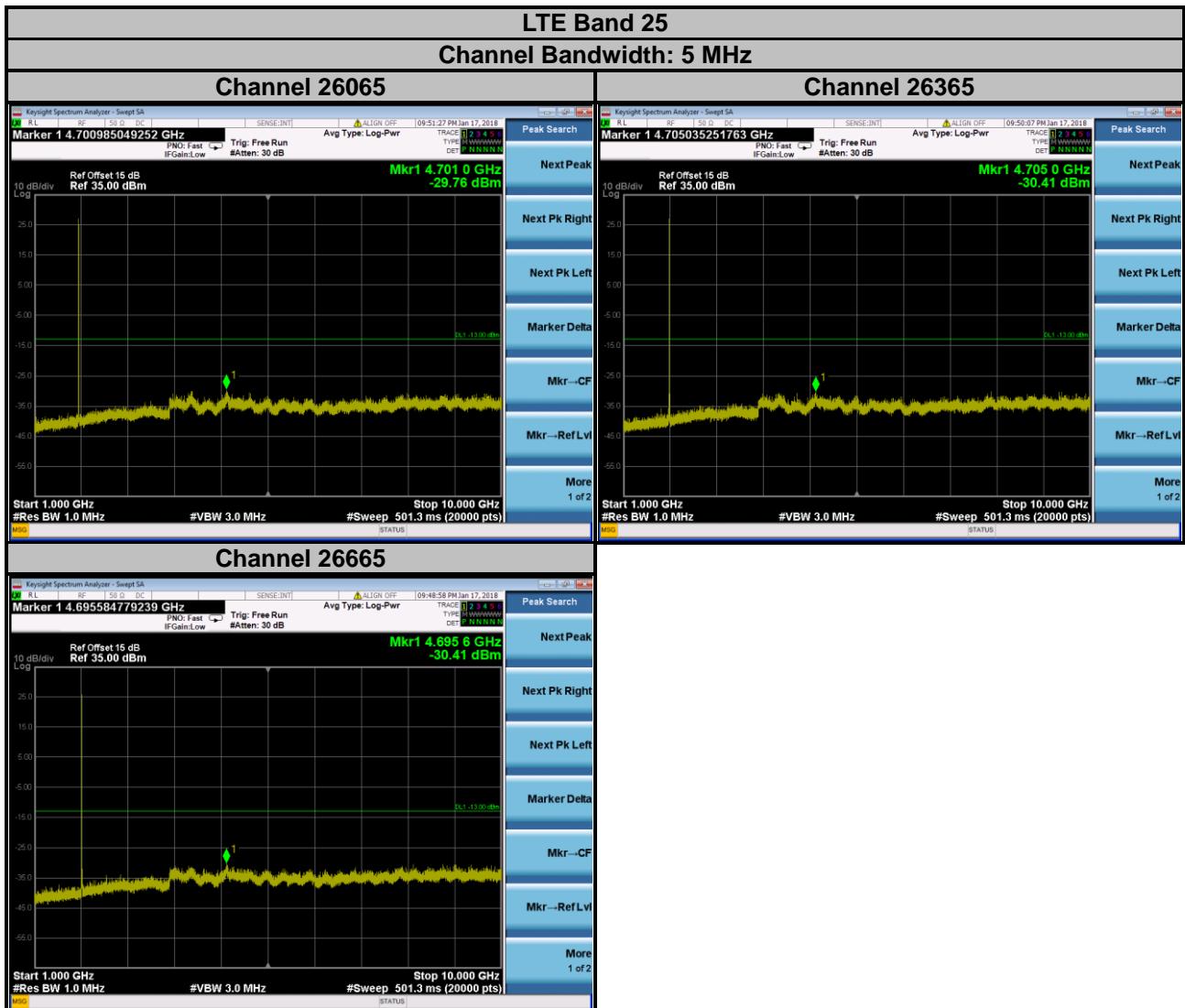


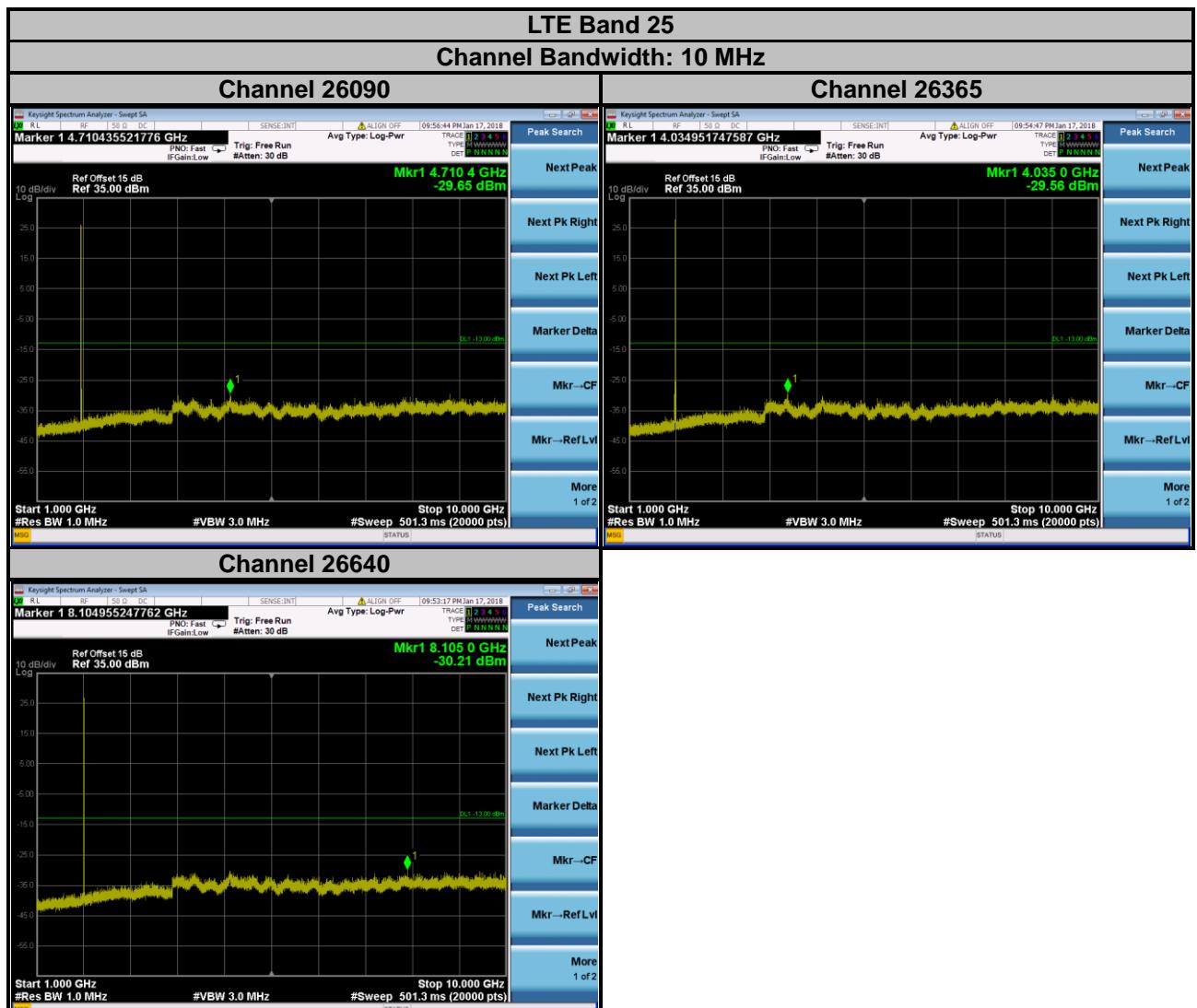


1GHz ~ 10GHz





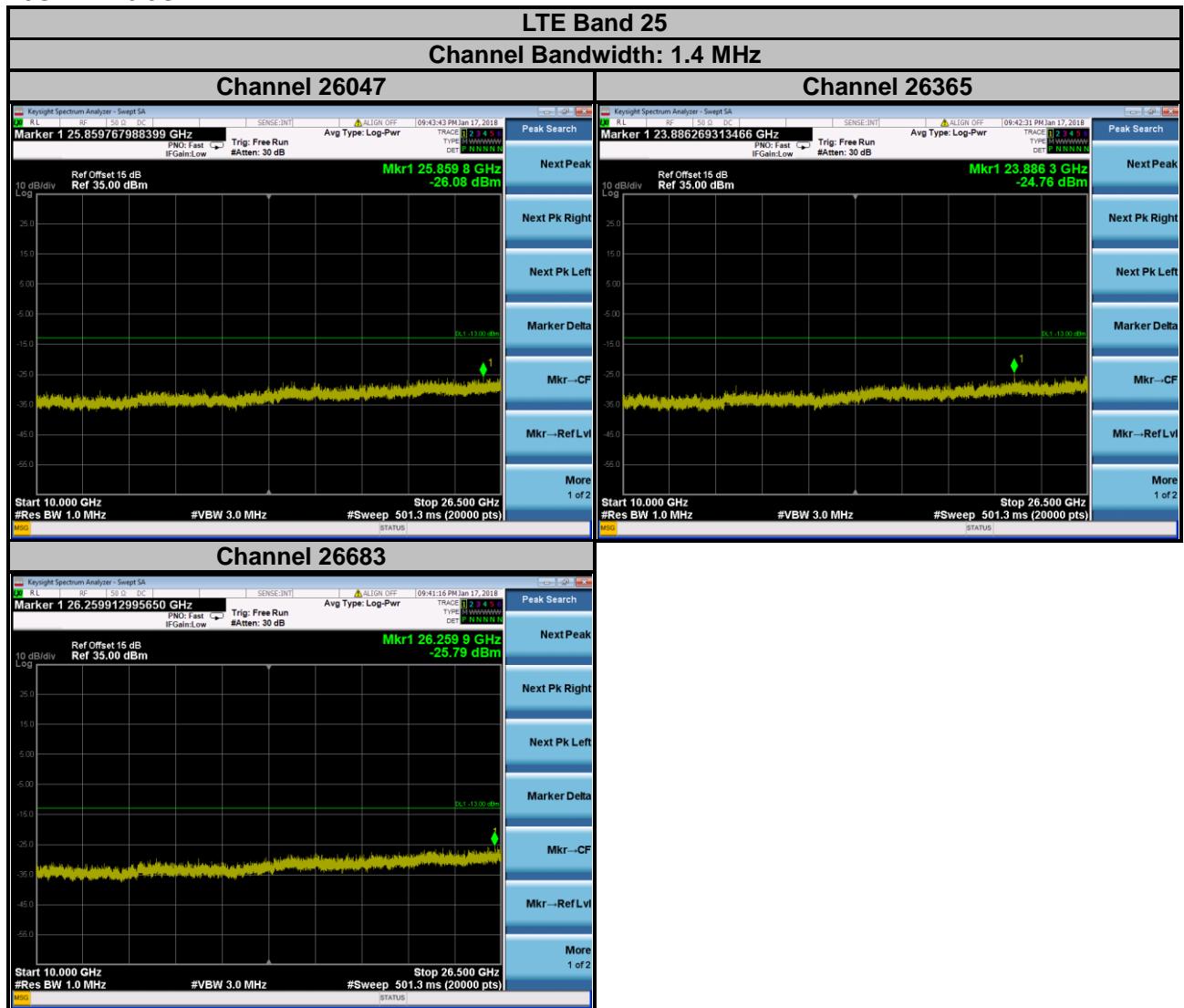


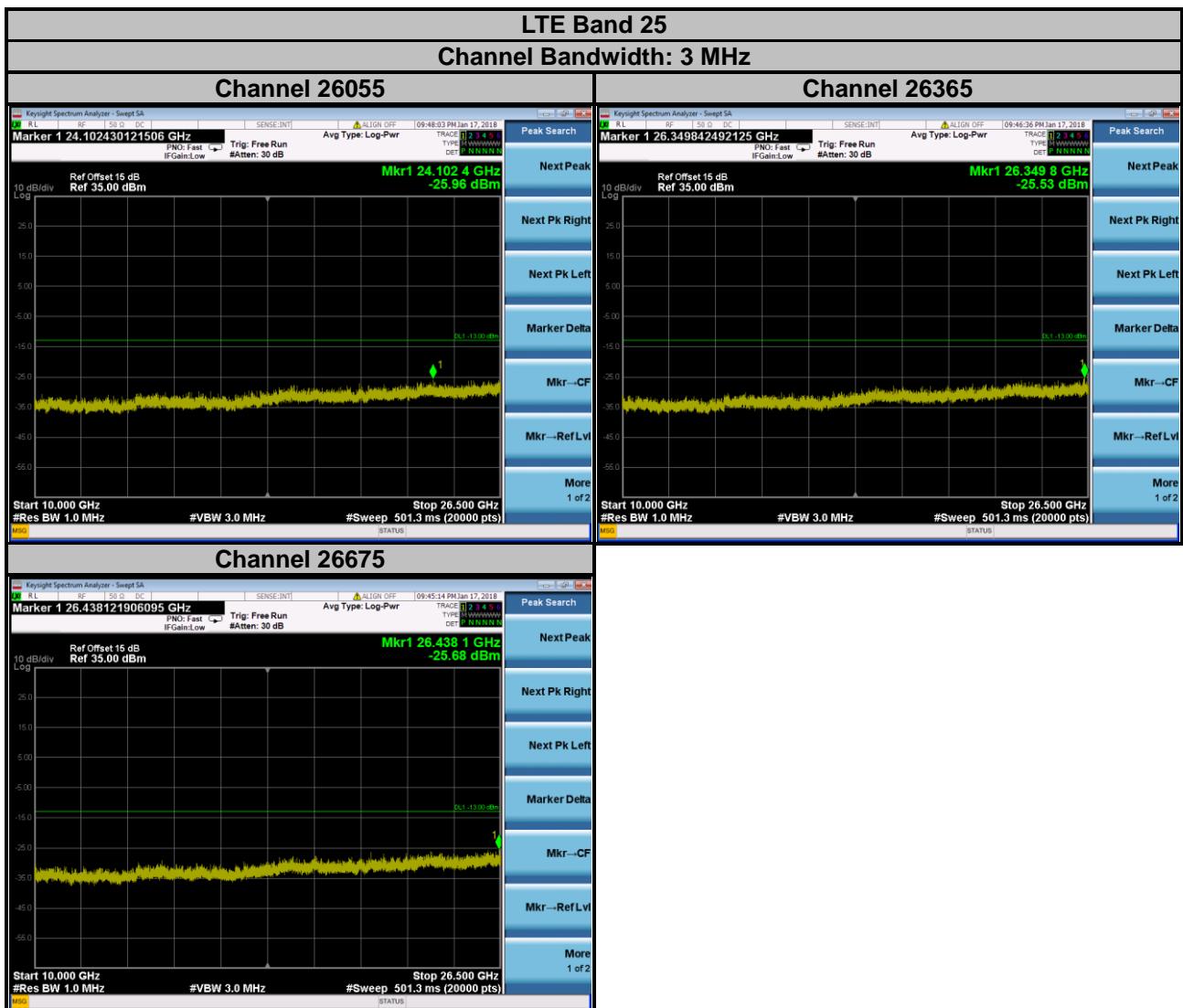


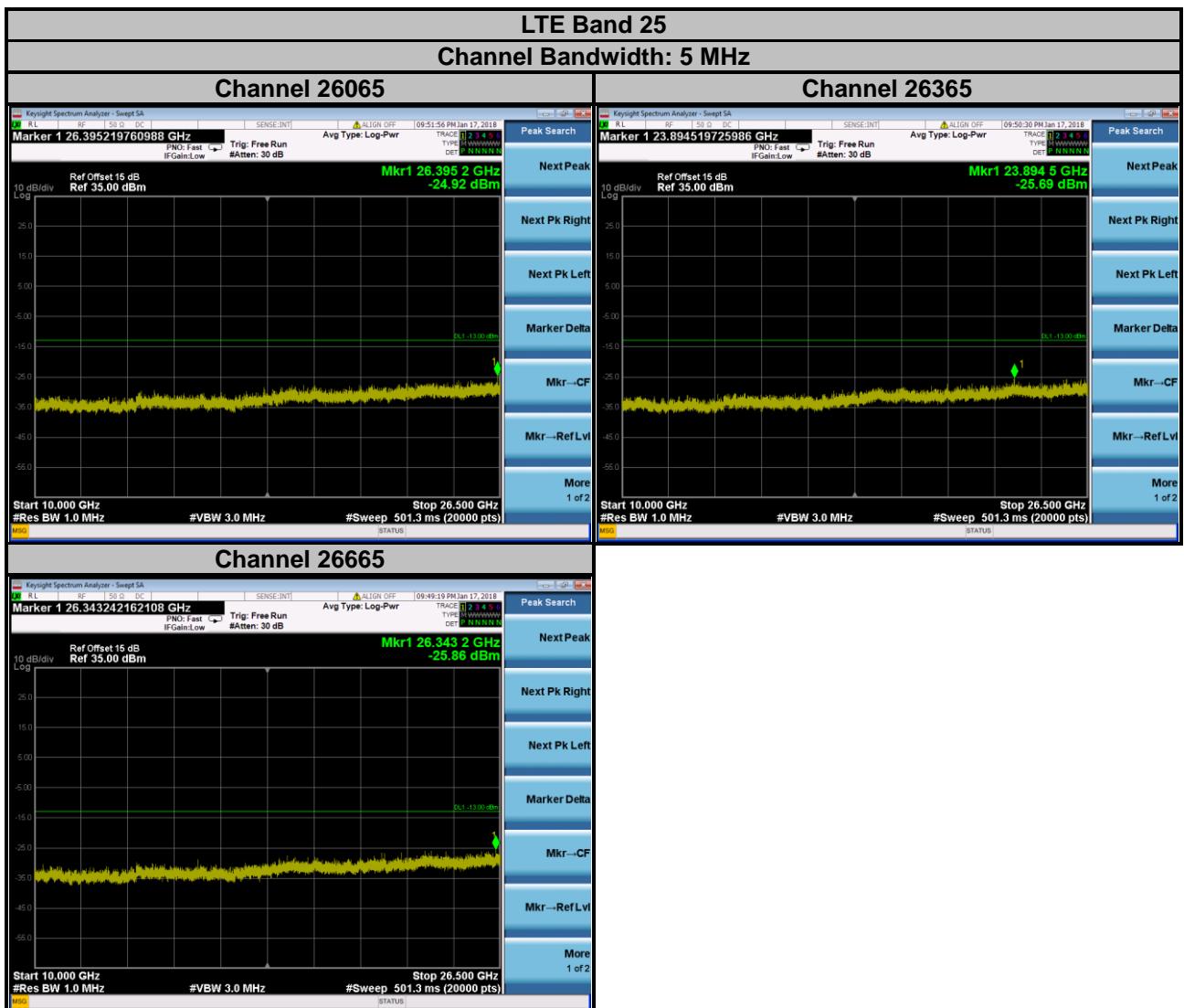


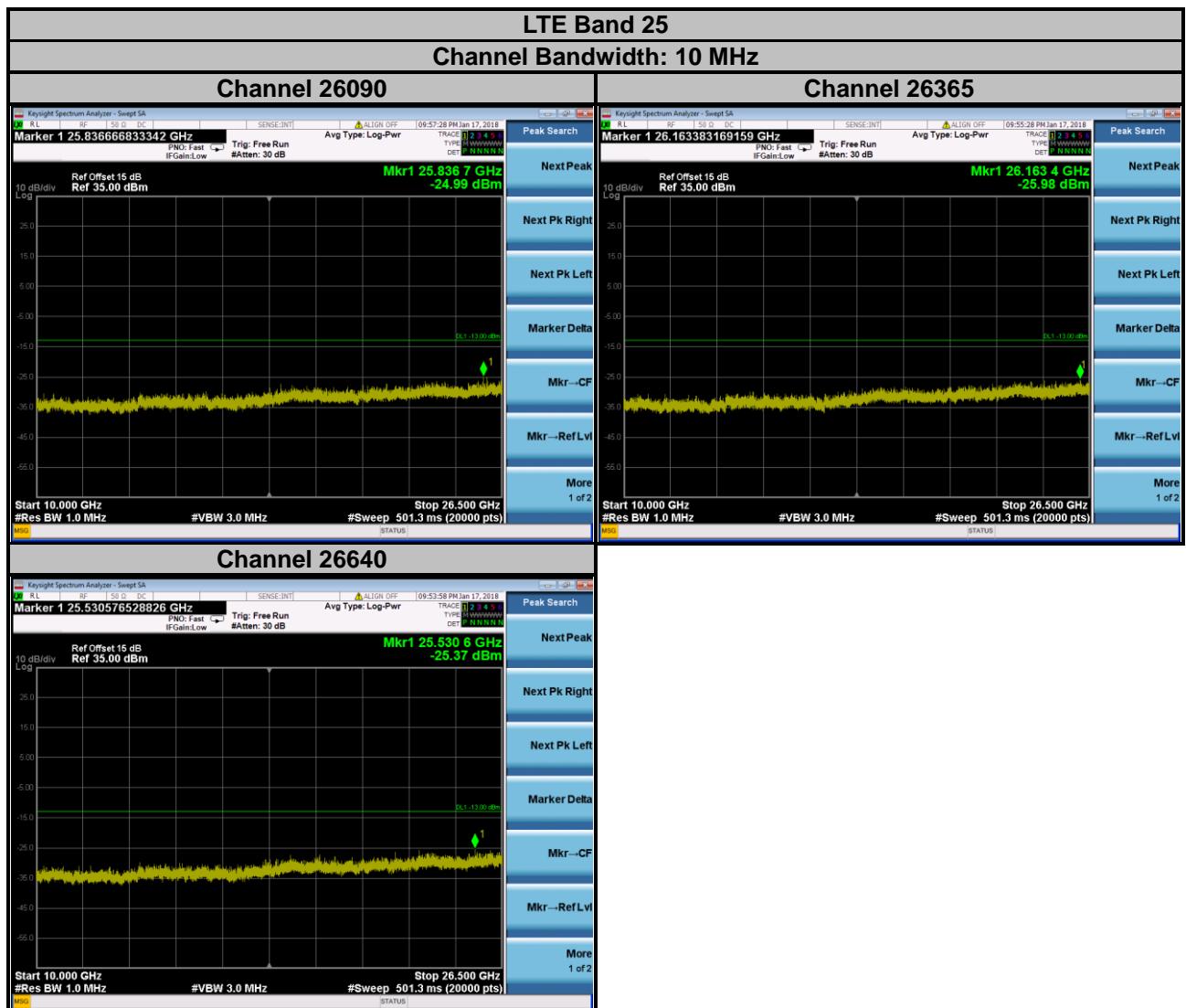


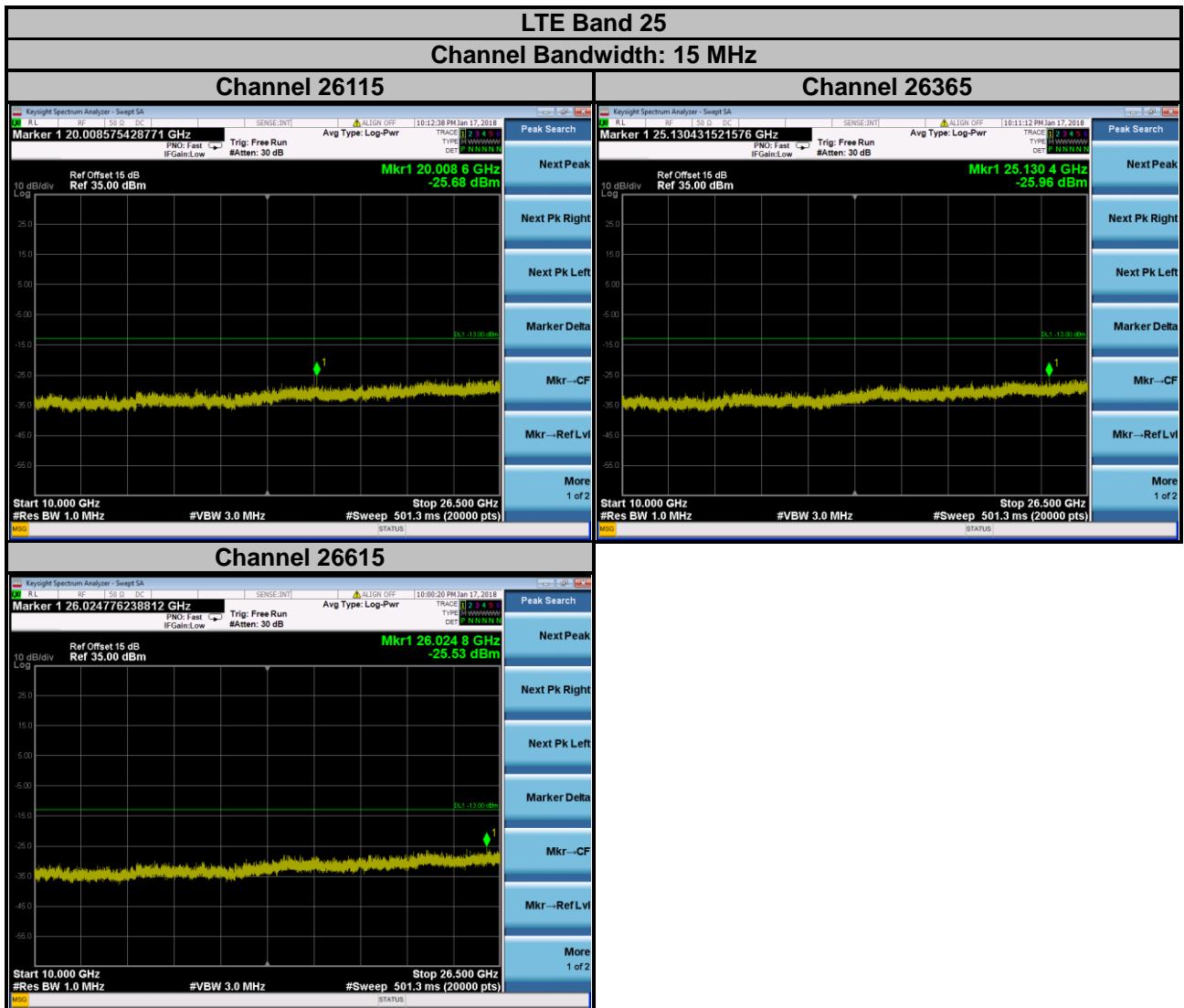
10GHz ~ 26.5GHz

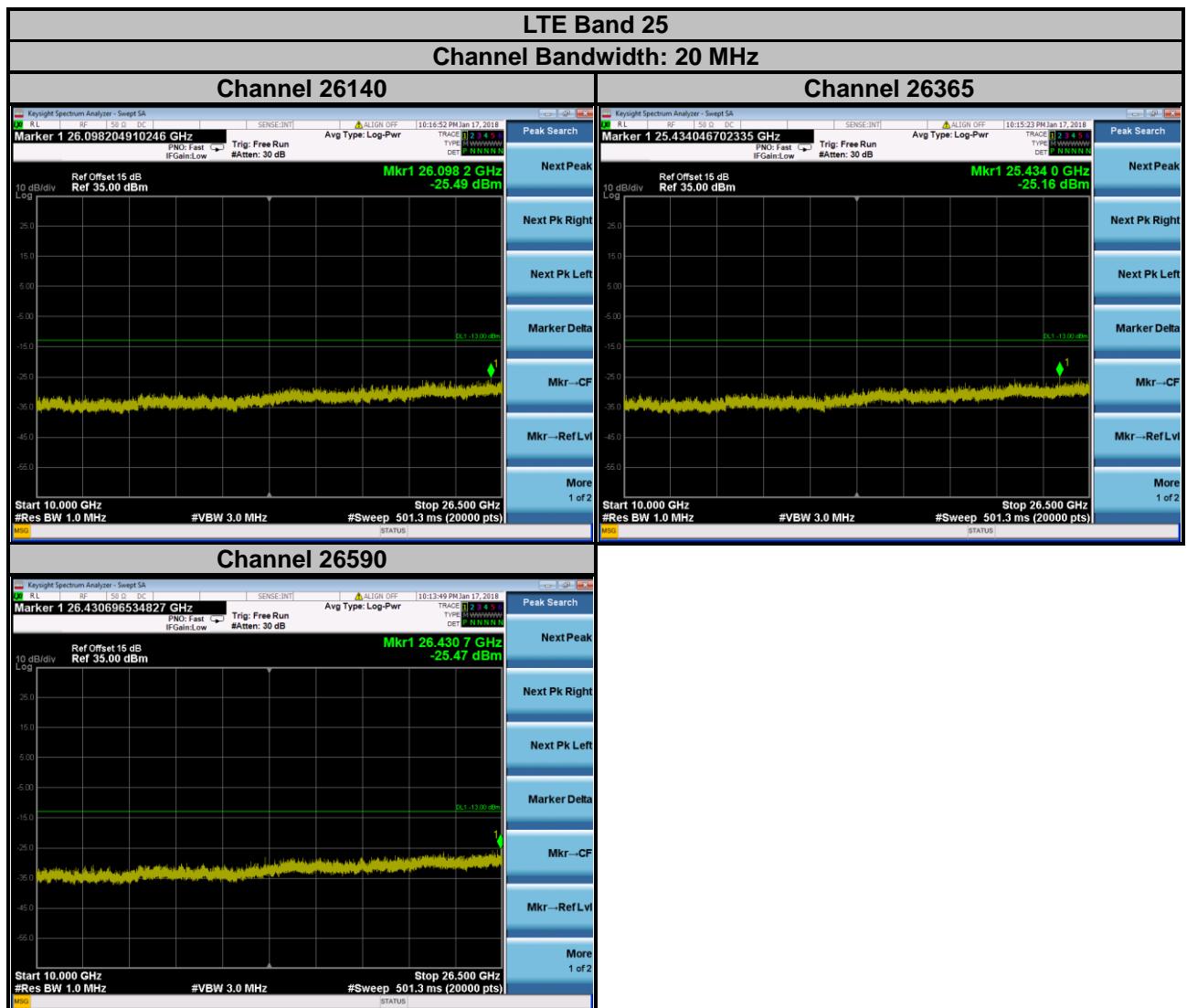












4.7 Radiated Emission Measurement

4.7.1 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.

4.7.2 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 from E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15 dBi.

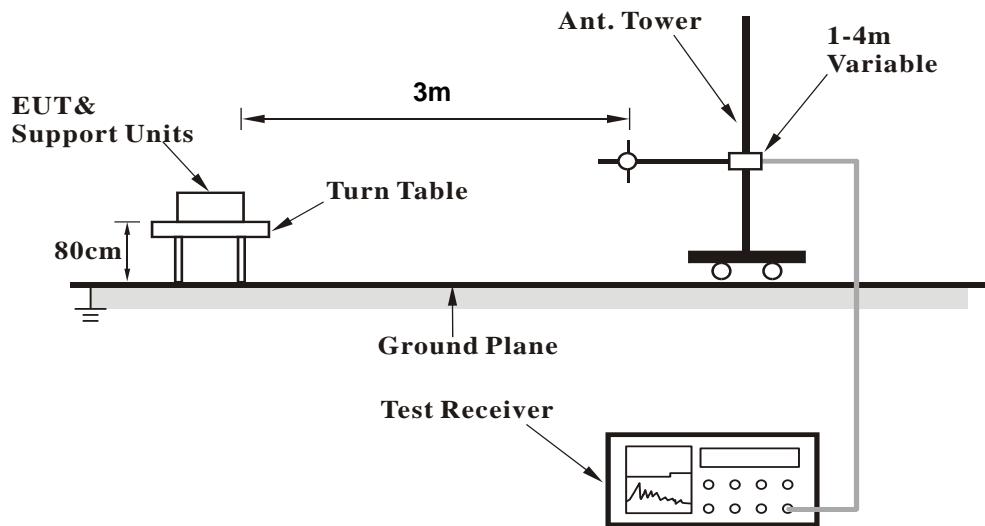
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

4.7.3 Deviation from Test Standard

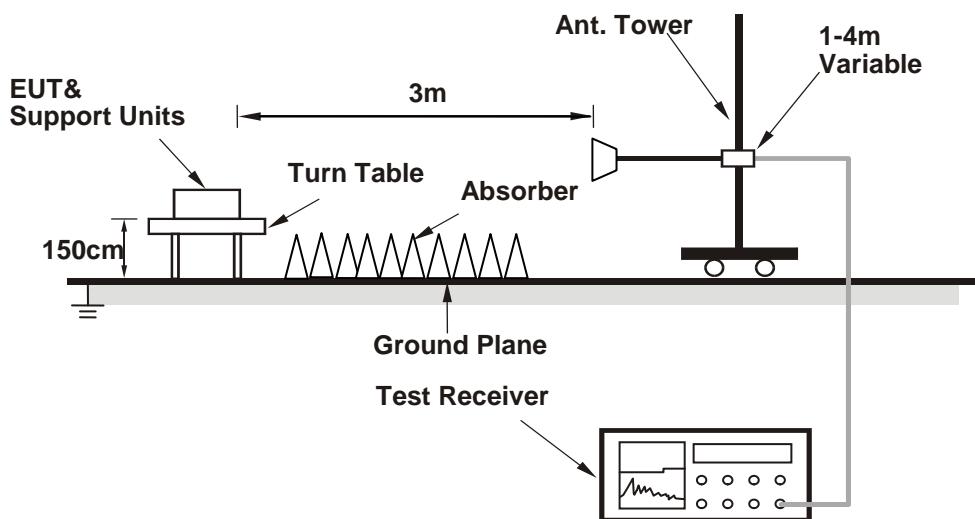
No deviation.

4.7.4 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).

4.7.5 Test Results

GSM:

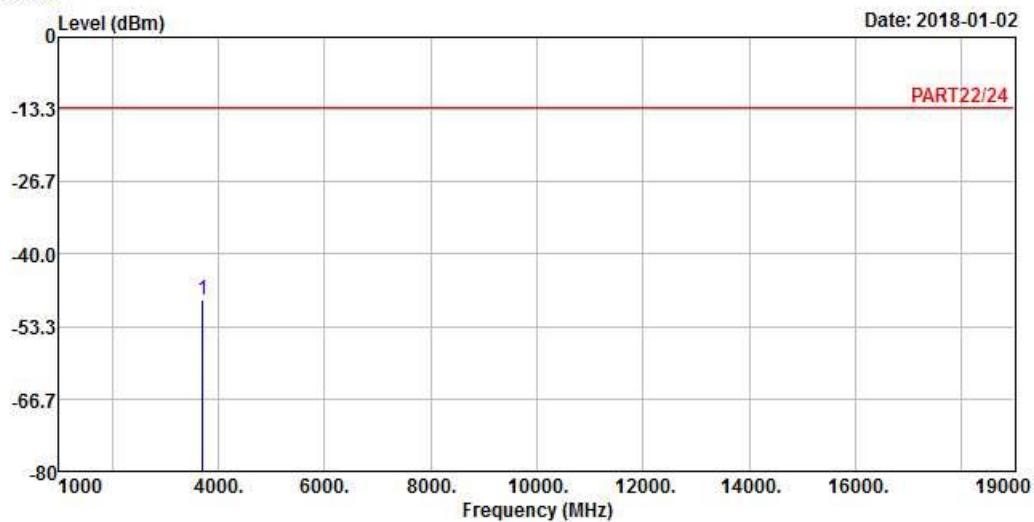
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : PCS 1900 Link_L-CH

Tested by: Getaz Yang

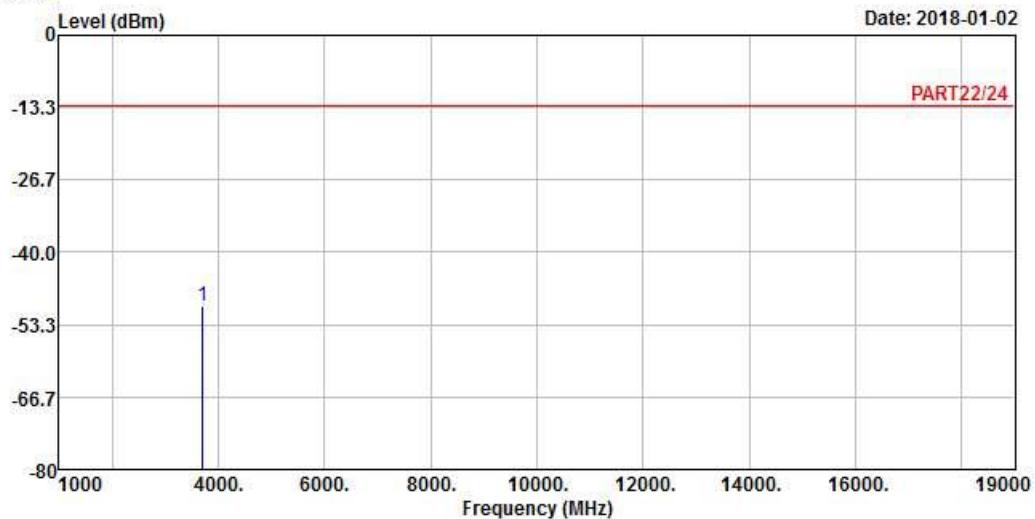
	Read Freq	Level MHz	Limit Level dBm	Over Line dBm	Over Factor dB	Remark
1 pp	3700.40	-48.50	-13.00	-35.50	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : PCS 1900 Link_L-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3700.40	-49.81	-41.64	-13.00	-36.81	-8.17 Peak

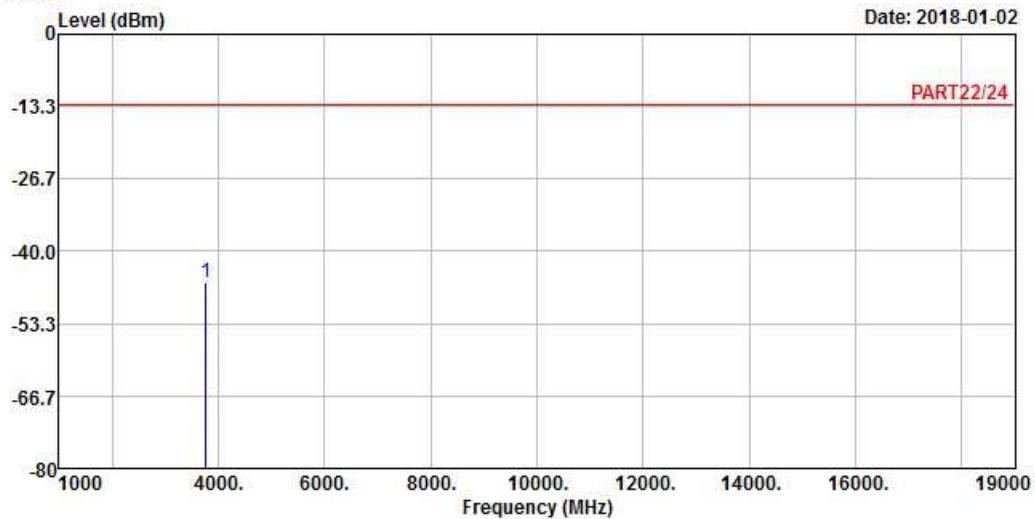
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : PCS 1900 Link_M-CH

Tested by: Getaz Yang

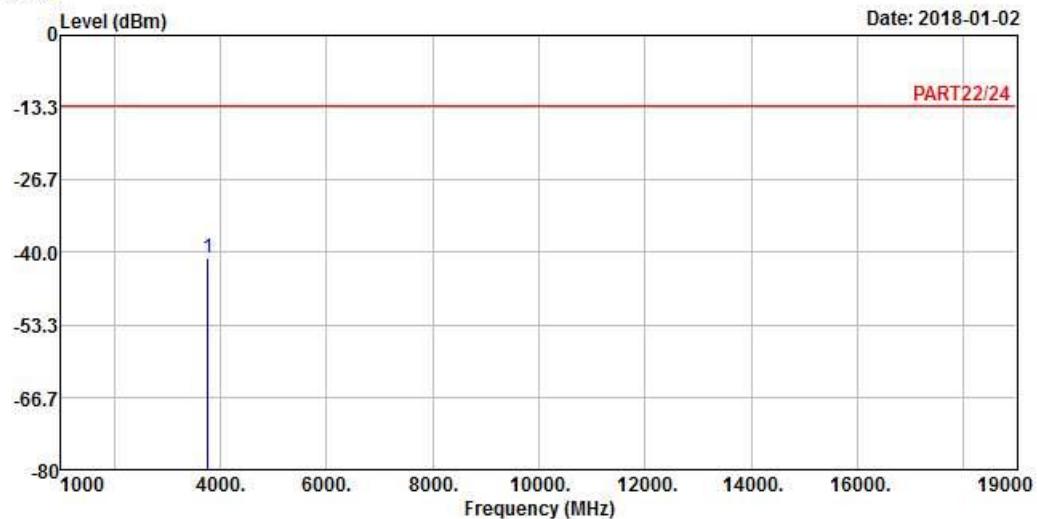
Freq	Level	Read	Limit	Over	Factor	Remark
		Line	dBm	dB		
MHz	dBm					
1 pp	3760.00	-45.88	-37.82	-13.00	-32.88	-8.06 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : PCS 1900 Link_M-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-40.96	-32.90	-13.00	-27.96	-8.06 Peak

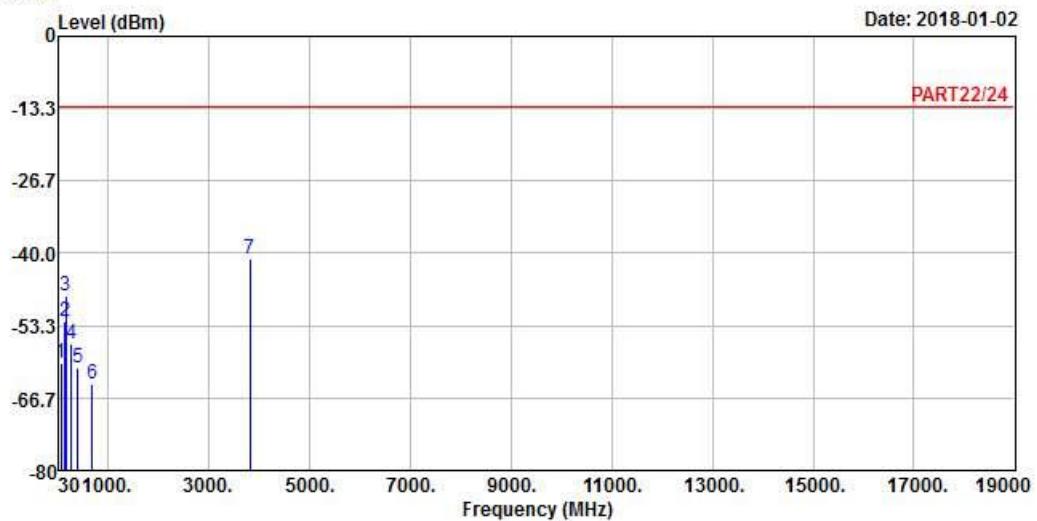
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : PCS 1900 Link_H-CH

Tested by: Getaz Yang

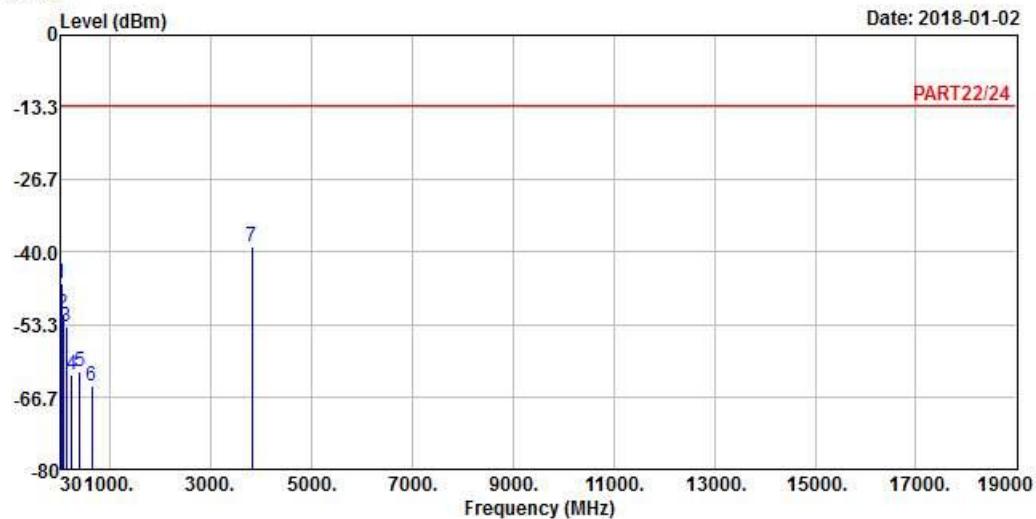
Freq	Level	Read	Limit	Over	Factor	Remark
		MHz	dBm	dBm		
1	60.07	-60.13	-52.47	-13.00	-47.13	-7.66 Peak
2	142.52	-52.44	-44.08	-13.00	-39.44	-8.36 Peak
3	156.10	-47.85	-41.91	-13.00	-34.85	-5.94 Peak
4	277.35	-56.77	-50.22	-13.00	-43.77	-6.55 Peak
5	399.57	-61.09	-55.14	-13.00	-48.09	-5.95 Peak
6	683.78	-64.05	-63.69	-13.00	-51.05	-0.36 Peak
7 pp	3819.60	-41.14	-33.46	-13.00	-28.14	-7.68 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : PCS 1900 Link_H-CH

Tested by: Getaz Yang

Freq	Read		Limit	Over	Line	Limit Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-45.85	-45.44	-13.00	-32.85	-0.41	Peak
2	70.74	-51.49	-42.87	-13.00	-38.49	-8.62	Peak
3	136.70	-53.71	-45.05	-13.00	-40.71	-8.66	Peak
4	246.31	-62.50	-56.35	-13.00	-49.50	-6.15	Peak
5	400.54	-62.08	-56.14	-13.00	-49.08	-5.94	Peak
6	644.01	-64.65	-63.78	-13.00	-51.65	-0.87	Peak
7 pp	3819.60	-39.02	-31.34	-13.00	-26.02	-7.68	Peak

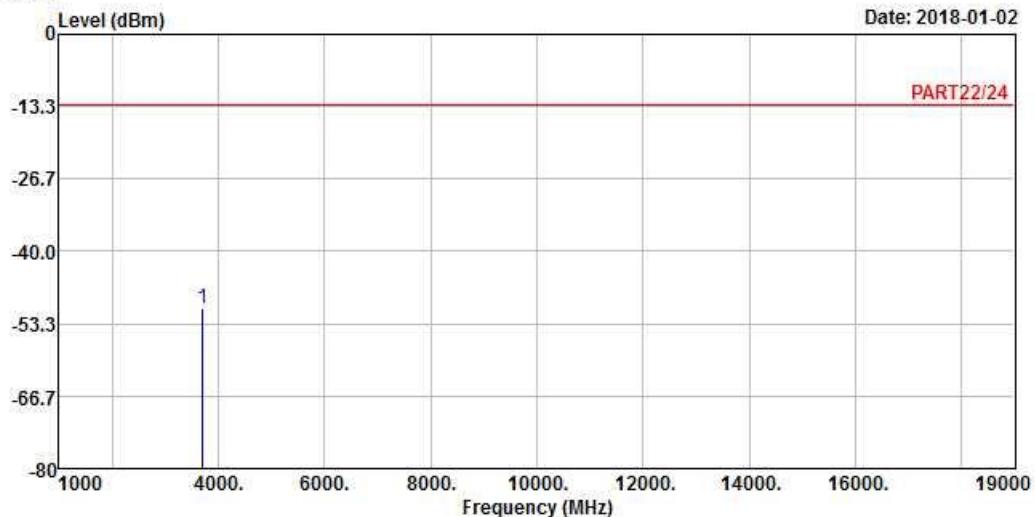
EDGE:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remark : EDGE 1900 Link_L-CH
Tested by: Getaz Yang

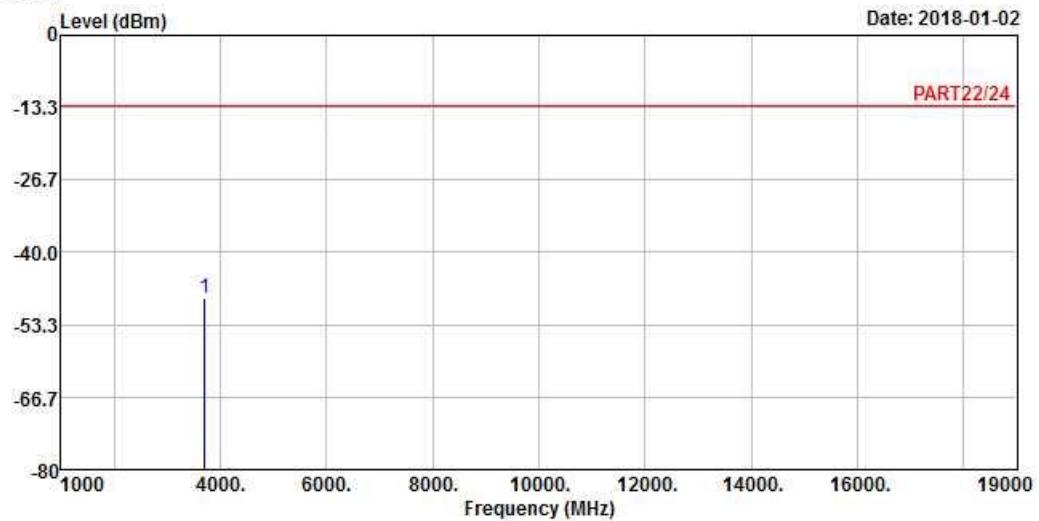
Freq MHz	Level dBm	Read Level	Limit Line	Over Limit	Factor	Remark
		dBm	dBm	dB		
1 pp	3700.40	-50.56	-42.39	-13.00	-37.56	-8.17 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : EDGE 1900 Link_L-CH

Tested by: Getaz Yang

Freq	Level	Read	Limit	Over	Factor	Remark
		MHz	dBm	dBm		
1 pp	3700.40	-48.55	-40.38	-13.00	-35.55	-8.17 Peak

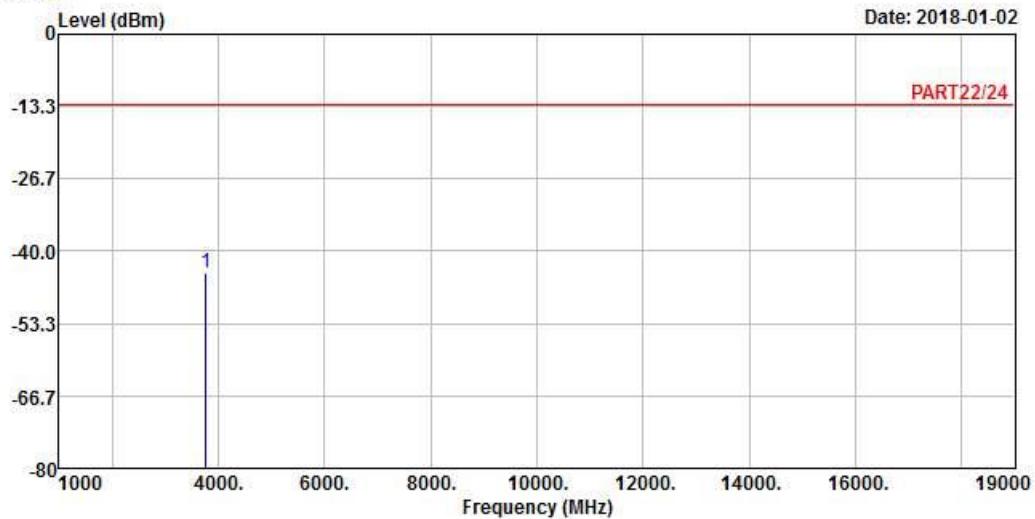
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : EDGE 1900 Link_M-CH

Tested by: Getaz Yang

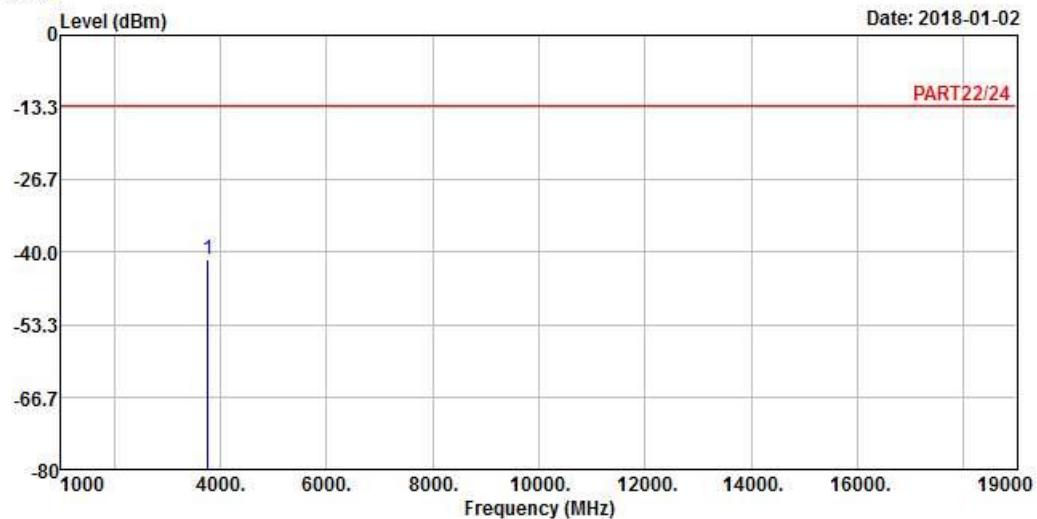
Freq	Level	Read	Limit	Over	Factor	Remark
		Line	dBm	dB		
MHz	dBm	dBm	dB	dB		
1 pp	3760.00	-43.90	-35.84	-13.00	-30.90	-8.06 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : EDGE 1900 Link_M-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-41.47	-33.41	-13.00	-28.47	-8.06 Peak

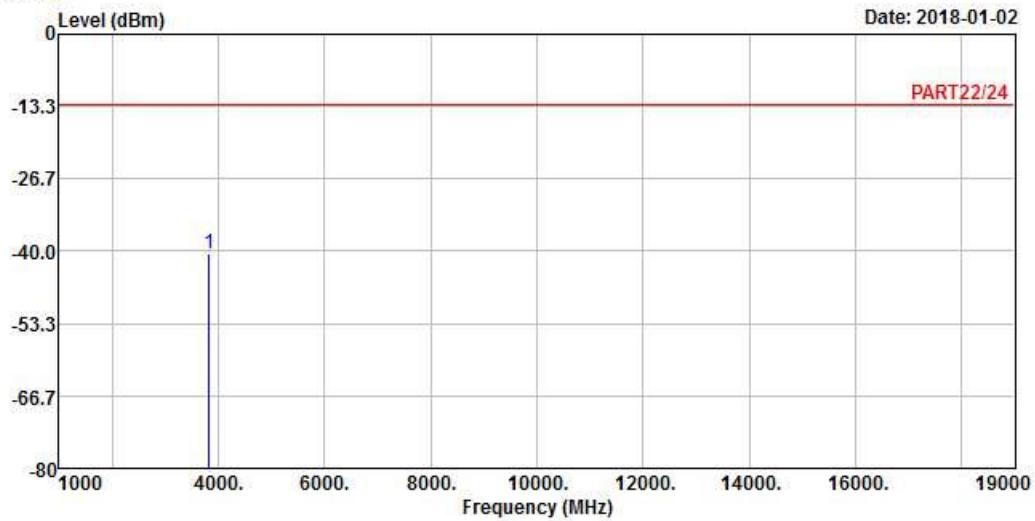
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : EDGE 1900 Link_H-CH

Tested by: Getaz Yang

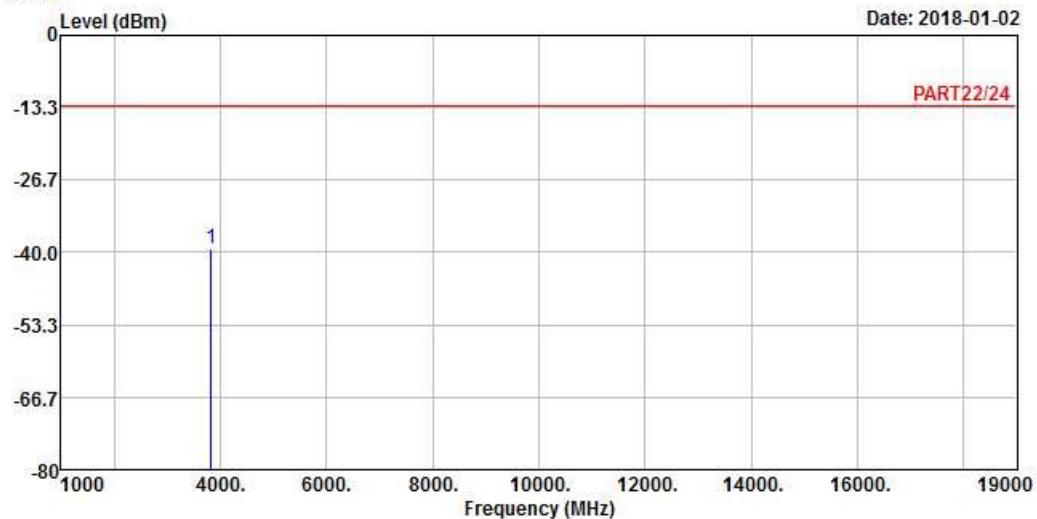
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3819.60	-40.35	-32.67	-13.00	-27.35	-7.68 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : EDGE 1900 Link_H-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3819.60	-39.32	-31.64	-13.00	-26.32	-7.68 Peak

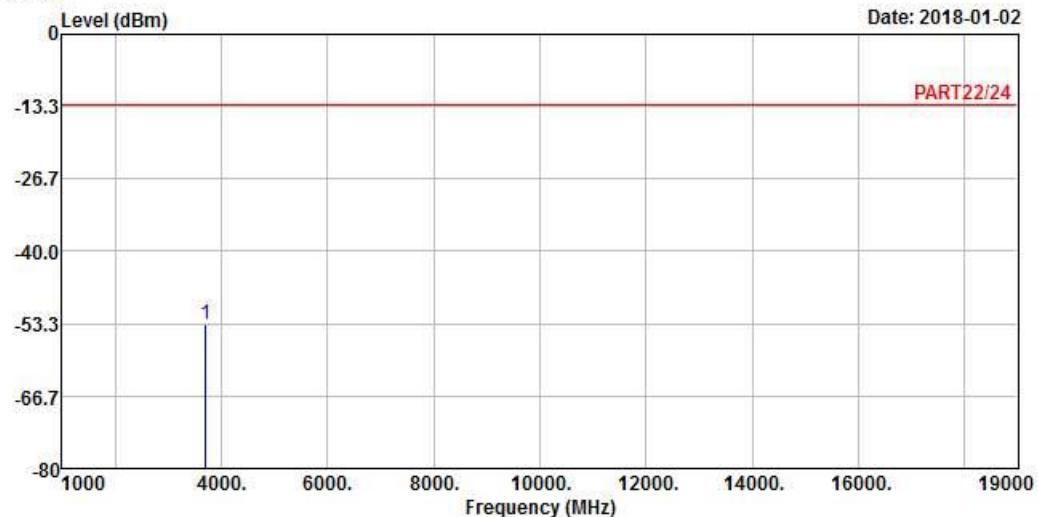
WCDMA:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : WCDMA Band 2 Link_L-CH

Tested by: Jisyong Wang

Freq	Read Level	Limit Level	Over Line	Over Factor	Remark
MHz	dBm	dBm	dBm	dB	

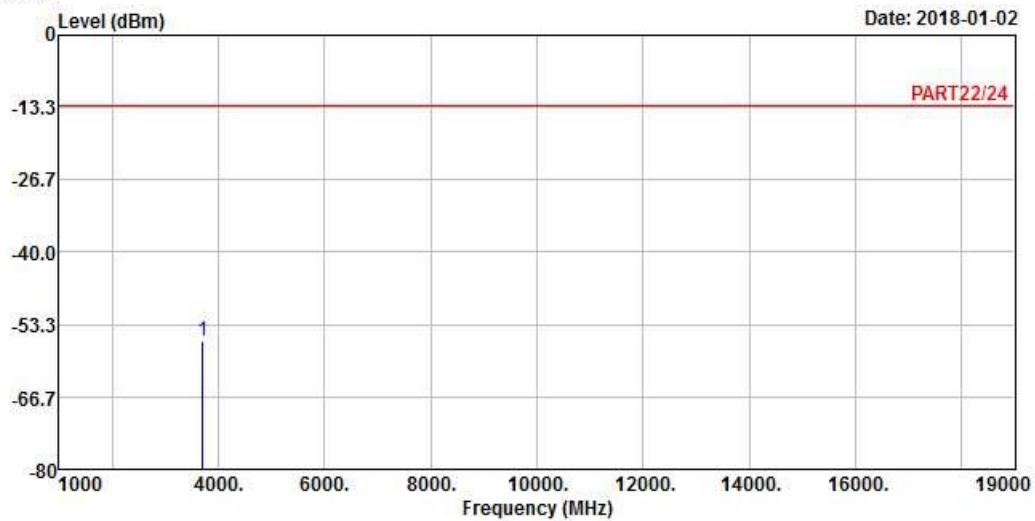
1 pp 3704.80 -53.44 -45.27 -13.00 -40.44 -8.17 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : WCDMA Band 2 Link_L-CH

Tested by: Jisyong Wang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3704.80	-56.30	-48.13	-13.00	-43.30	-8.17 Peak

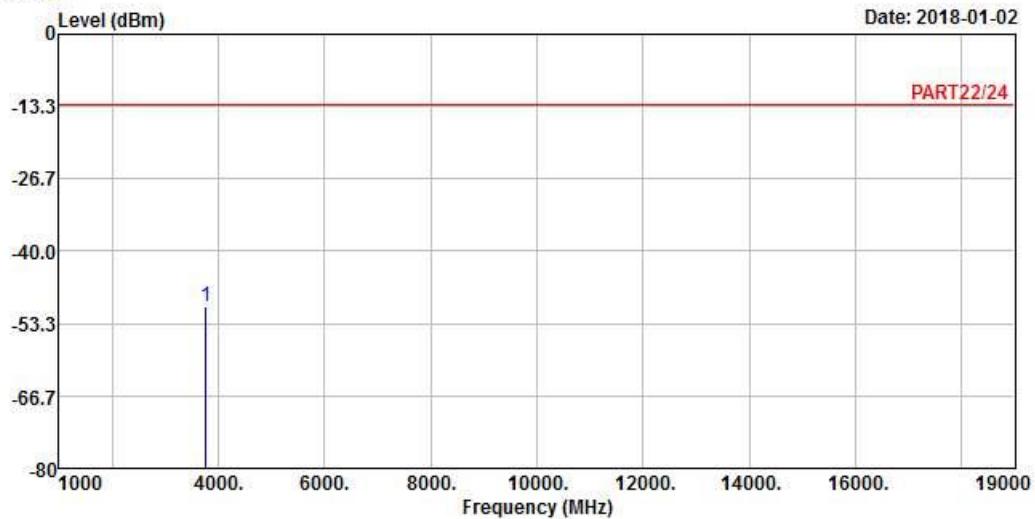
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : WCDMA Band 2 Link_M-CH

Tested by: Jisyong Wang

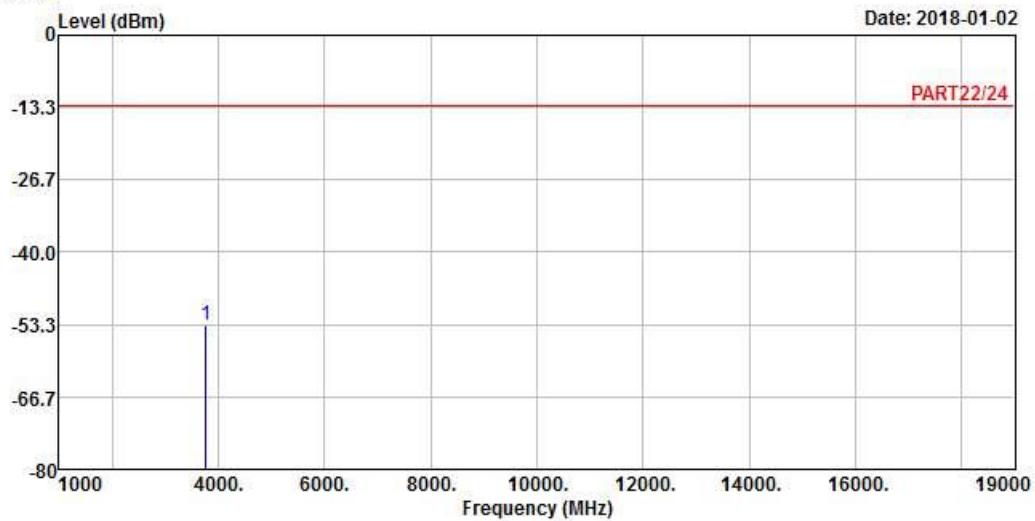
Freq	Read	Limit	Over			
	Level	Level	Line	Limit	Factor	
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-50.05	-41.99	-13.00	-37.05	-8.06 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : WCDMA Band 2 Link_M-CH

Tested by: Jisyong Wang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-53.33	-45.27	-13.00	-40.33	-8.06 Peak

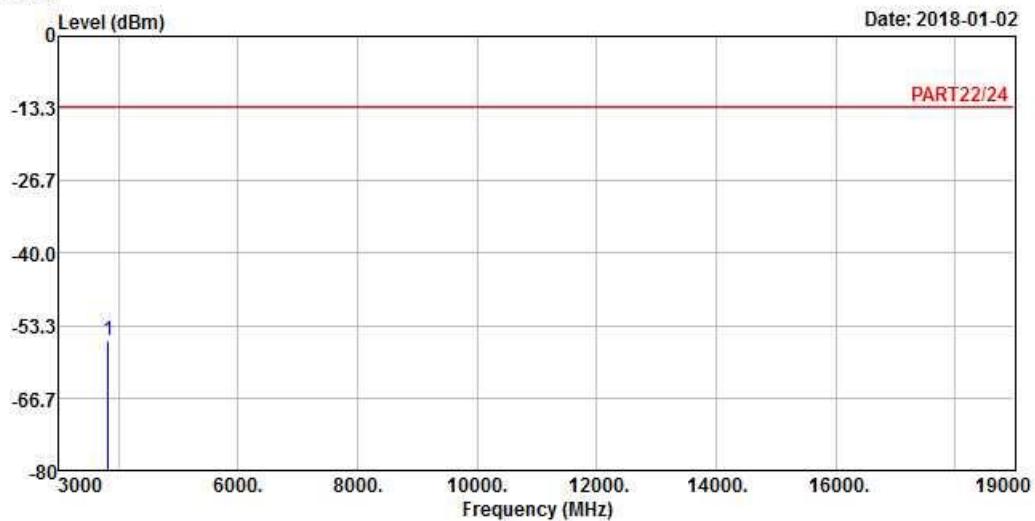
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : WCDMA Band 2 Link_H-CH

Tested by: Jisyong Wang

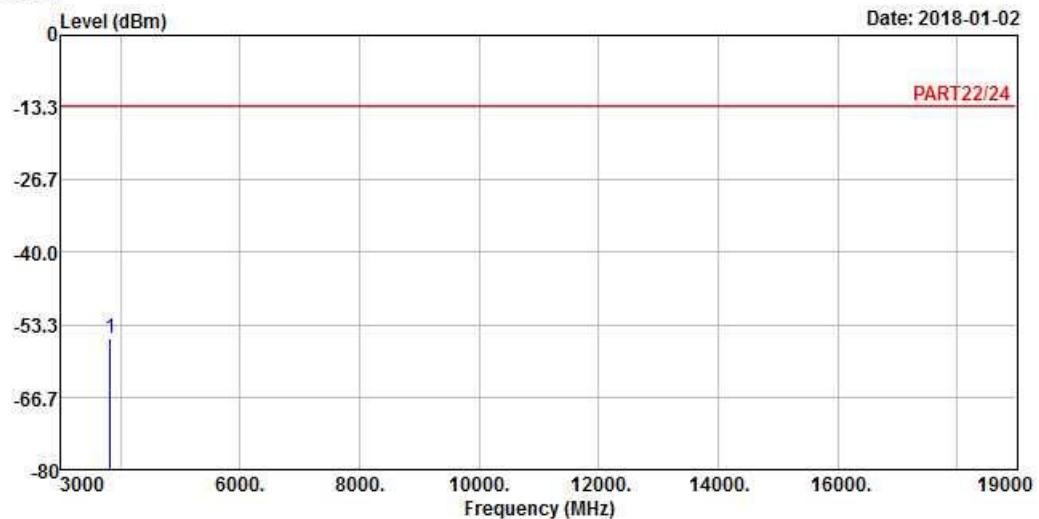
Freq	Level	Read	Limit	Over	Factor	Remark
		MHz	dBm	dBm	dB	dB
1 pp	3815.20	-56.16	-48.38	-13.00	-43.16	-7.78 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : WCDMA Band 2 Link_H-CH

Tested by: Jisyong Wang

Freq	Level	Read	Limit	Over	Factor	Remark
		Line	dBm	dBm		
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3815.20	-55.69	-47.91	-13.00	-42.69	-7.78 Peak

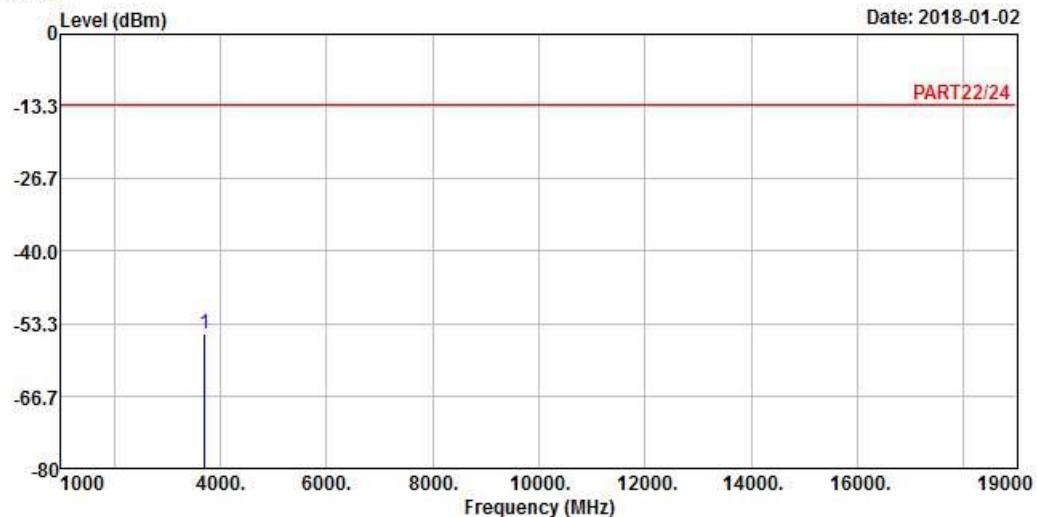
CDMA:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remark : CDMA BC1 Link_L-CH
 Tested by: Getaz Yang

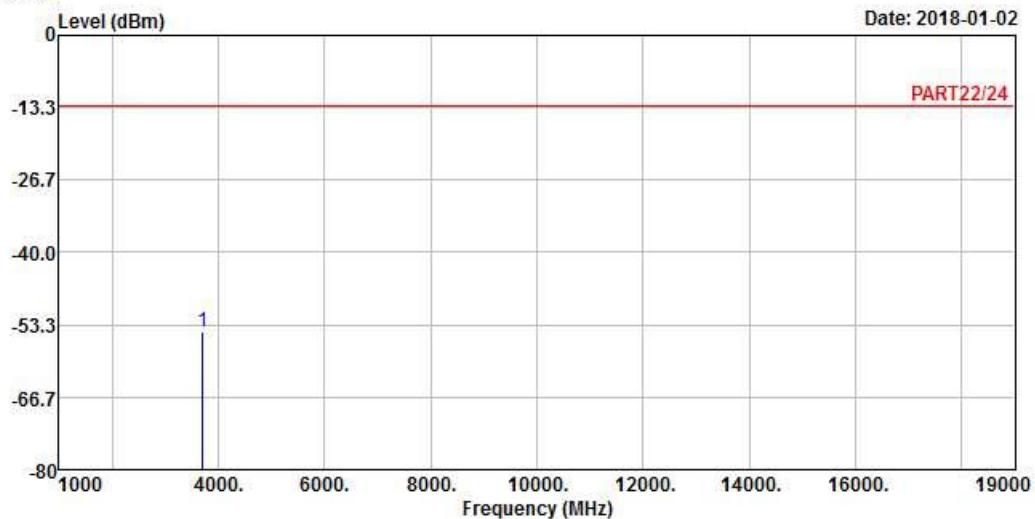
Freq	Read		Over	Line	Limit	Factor	Remark
	Level	Level					
MHz	dBm	dBm	dBm	dB	dB		
1 pp	3702.50	-55.19	-47.02	-13.00	-42.19	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : CDMA BC1 Link_L-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3702.50	-54.52	-46.35	-13.00	-41.52	-8.17 Peak

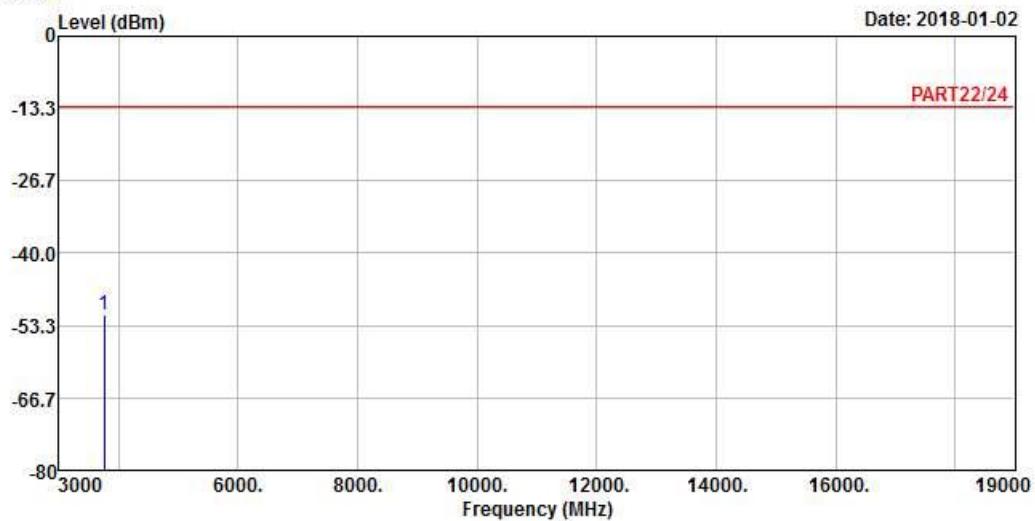
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : CDMA BC1 Link_M-CH

Tested by: Getaz Yang

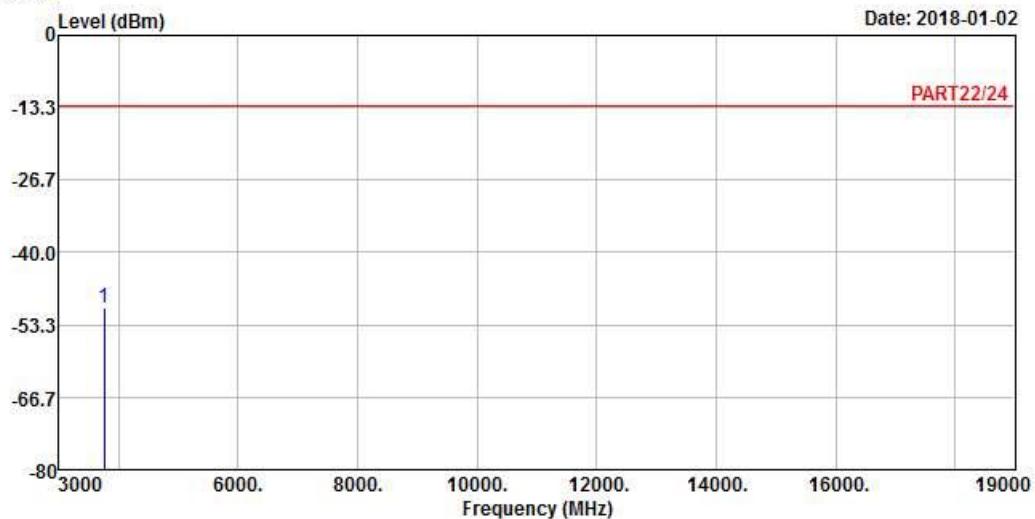
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-51.34	-43.28	-13.00	-38.34	-8.06 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : CDMA BC1 Link_M-CH

Tested by: Getaz Yang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3760.00	-50.06	-42.00	-13.00	-37.06	-8.06 Peak

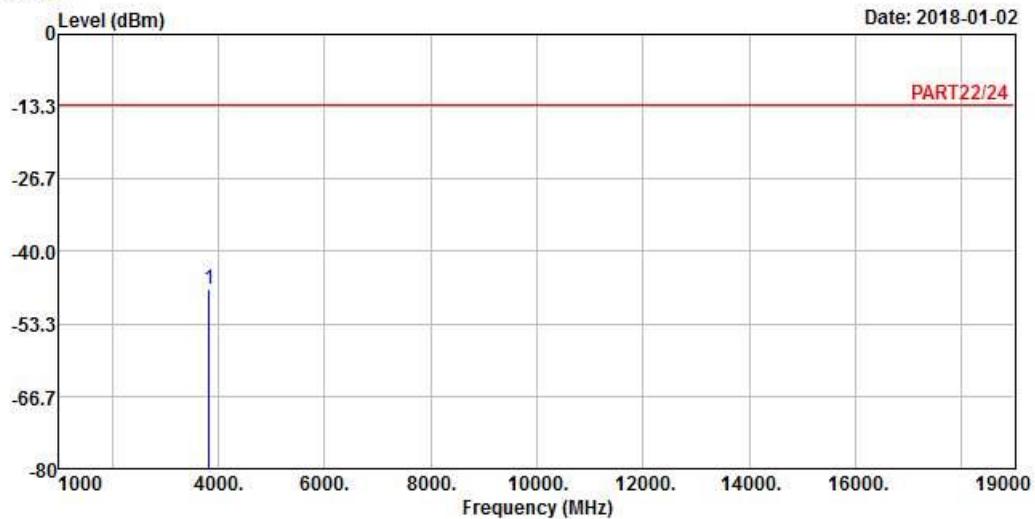
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : CDMA BC1 Link_H-CH

Tested by: Getaz Yang

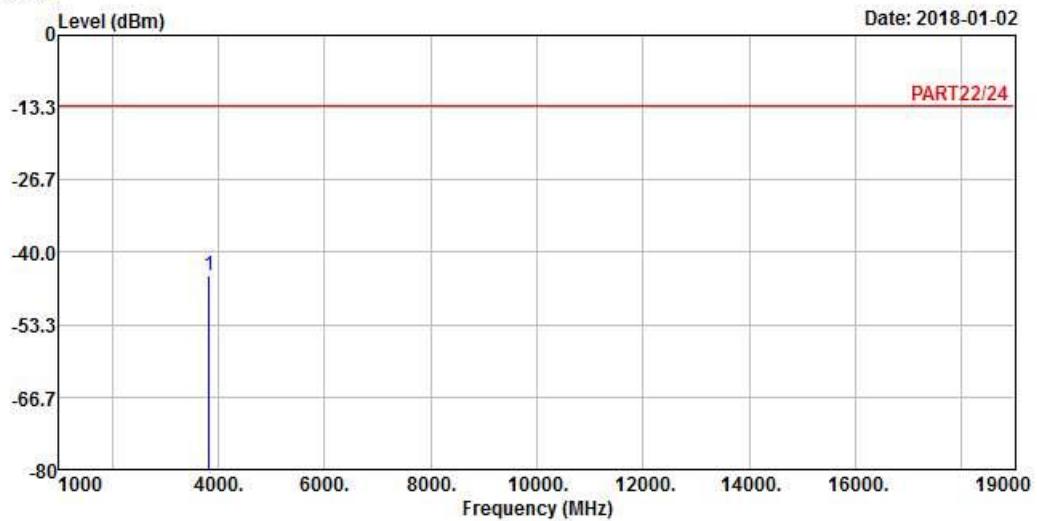
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3817.50	-46.81	-39.13	-13.00	-33.81	-7.68 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : CDMA BC1 Link_H-CH

Tested by: Getaz Yang

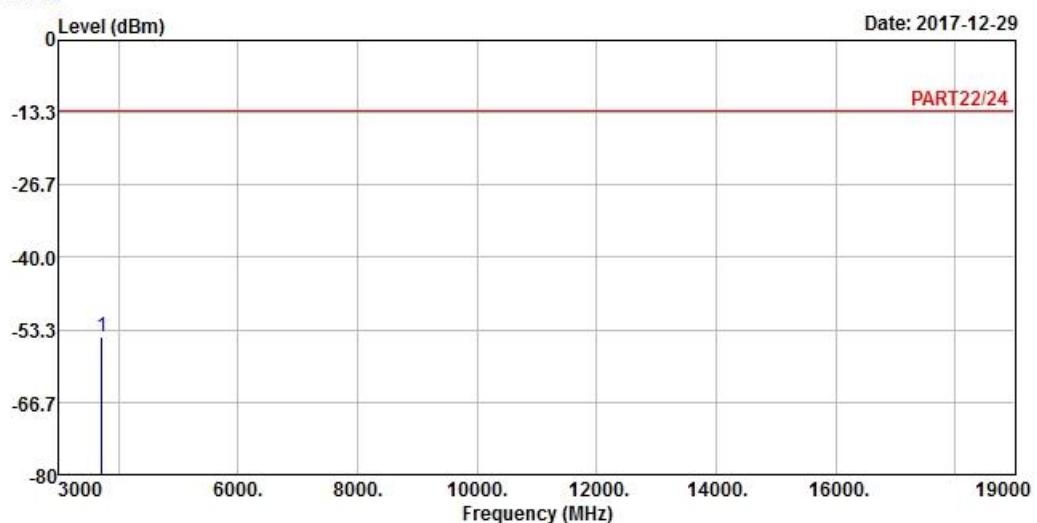
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3817.50	-44.33	-36.65	-13.00	-31.33	-7.68 Peak

LTE Band 2
Channel Bandwidth: 20 MHz / QPSK
Low Channel


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_L.-CH

Tested by: Jisyong Wang

Freq	Read Level	Limit Level	Over Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	

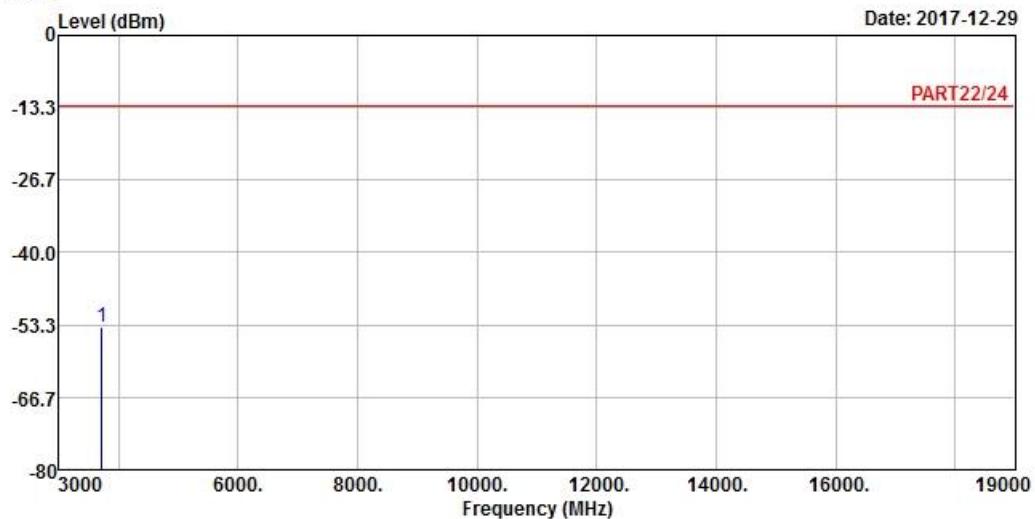
1 pp 3720.00 -54.69 -46.56 -13.00 -41.69 -8.13 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_L.-CH

Tested by: Jisyong Wang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3720.00	-53.85	-45.72	-13.00	-40.85	-8.13 Peak

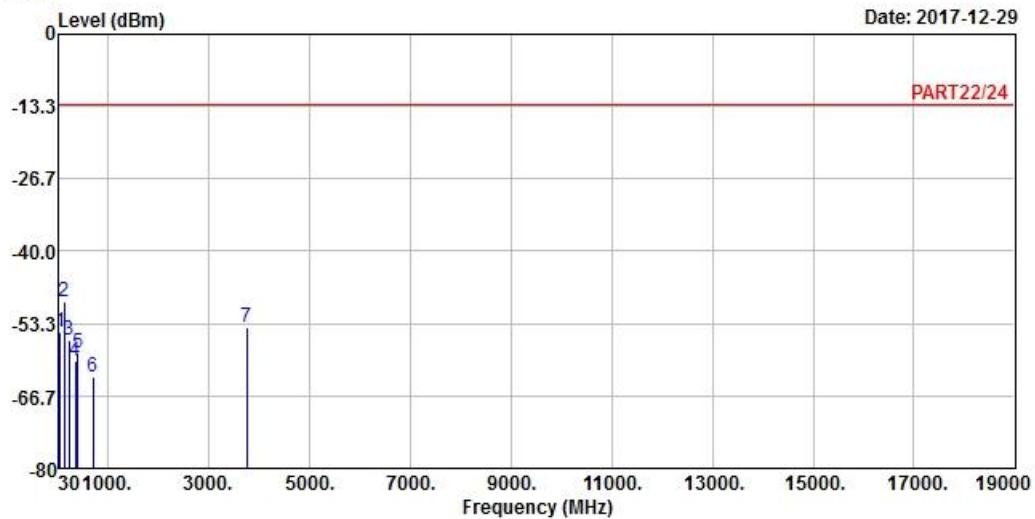
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_M-CH

Tested by: Jisyong Wang

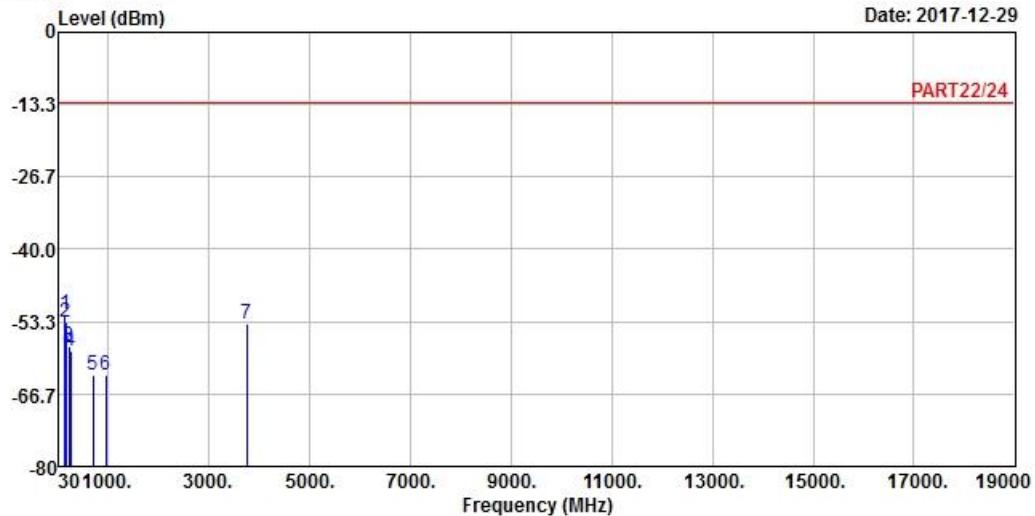
Freq	Level	Read	Limit	Over	Factor	Remark
		MHz	dBm	dBm		
1	42.96	-54.77	-53.83	-13.00	-41.77	-0.94 Peak
2 pp	137.73	-49.32	-40.66	-13.00	-36.32	-8.66 Peak
3	226.56	-56.27	-49.34	-13.00	-43.27	-6.93 Peak
4	350.40	-60.25	-54.01	-13.00	-47.25	-6.24 Peak
5	400.10	-58.82	-52.88	-13.00	-45.82	-5.94 Peak
6	699.70	-63.15	-63.04	-13.00	-50.15	-0.11 Peak
7	3760.00	-54.01	-45.95	-13.00	-41.01	-8.06 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_M-CH

Tested by: Jisyong Wang

Freq	pp	Read	Limit	Over	Factor	Remark
		MHz	dBm	dBm		
1	153.66	-52.07	-45.31	-13.00	-39.07	-6.76 Peak
2	162.30	-53.42	-48.44	-13.00	-40.42	-4.98 Peak
3	233.31	-57.91	-51.25	-13.00	-44.91	-6.66 Peak
4	264.09	-58.64	-52.37	-13.00	-45.64	-6.27 Peak
5	699.70	-63.15	-63.04	-13.00	-50.15	-0.11 Peak
6	960.80	-63.13	-65.34	-13.00	-50.13	2.21 Peak
7	3760.00	-53.76	-45.70	-13.00	-40.76	-8.06 Peak

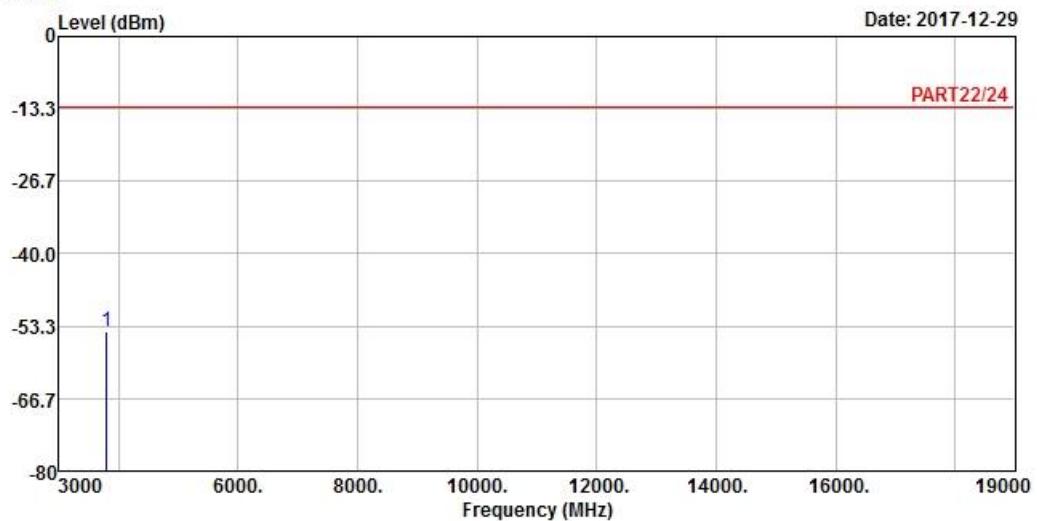
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_H-CH

Tested by: Jisyong Wang

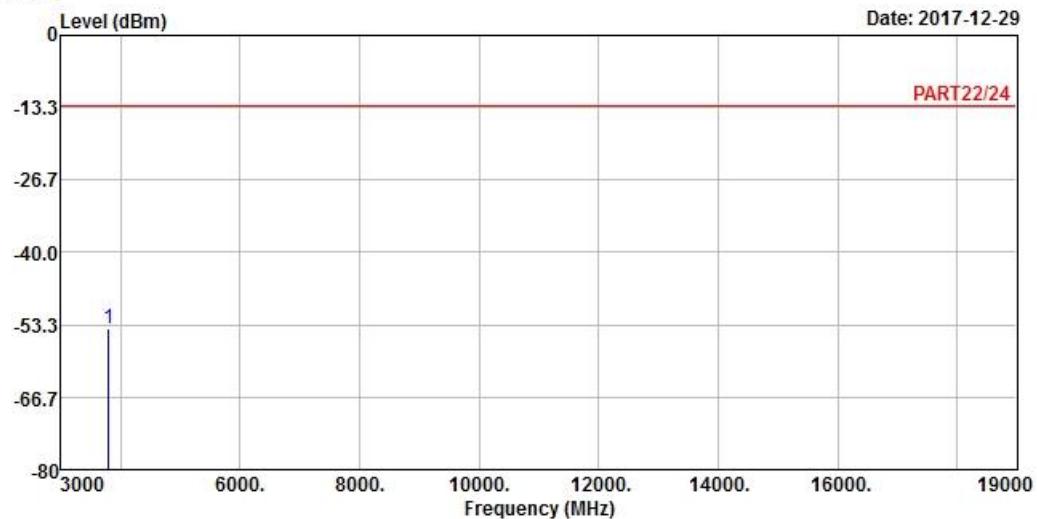
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3800.00	-54.17	-46.39	-13.00	-41.17	-7.78 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band 2 QPSK_20M Link_H-CH

Tested by: Jisyong Wang

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	3800.00	-54.13	-46.35	-13.00	-41.13	-7.78 Peak

LTE Band 25

Channel Bandwidth: 20 MHz / QPSK

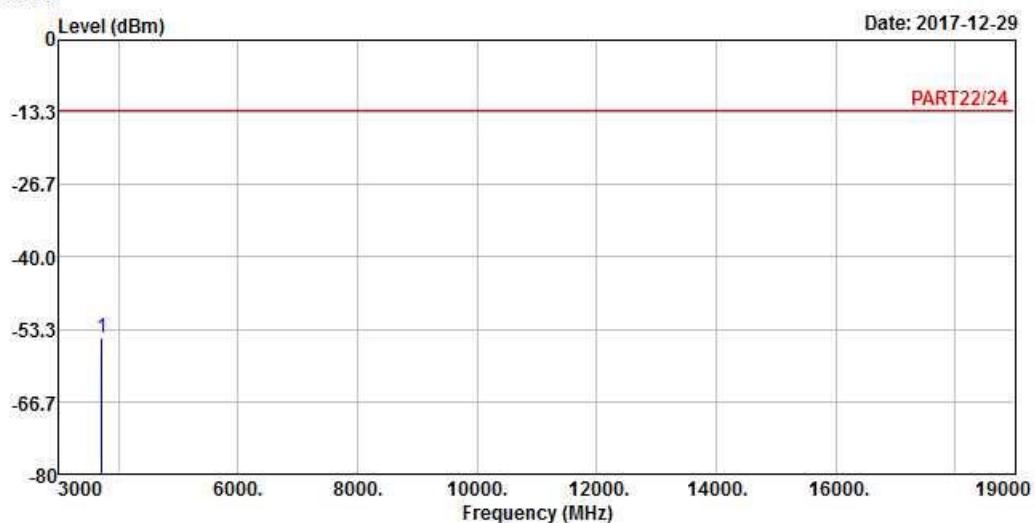
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25 QPSK_20M Link_L-CH

Tested by: Jisyong Wang

Freq	Level	Read	Limit	Over	Remark
		Line	Limit	Factor	
MHz	dBm	dBm	dBm	dB	
1 pp	3720.00	-55.03	-46.90	-13.00	-42.03 -8.13 Peak