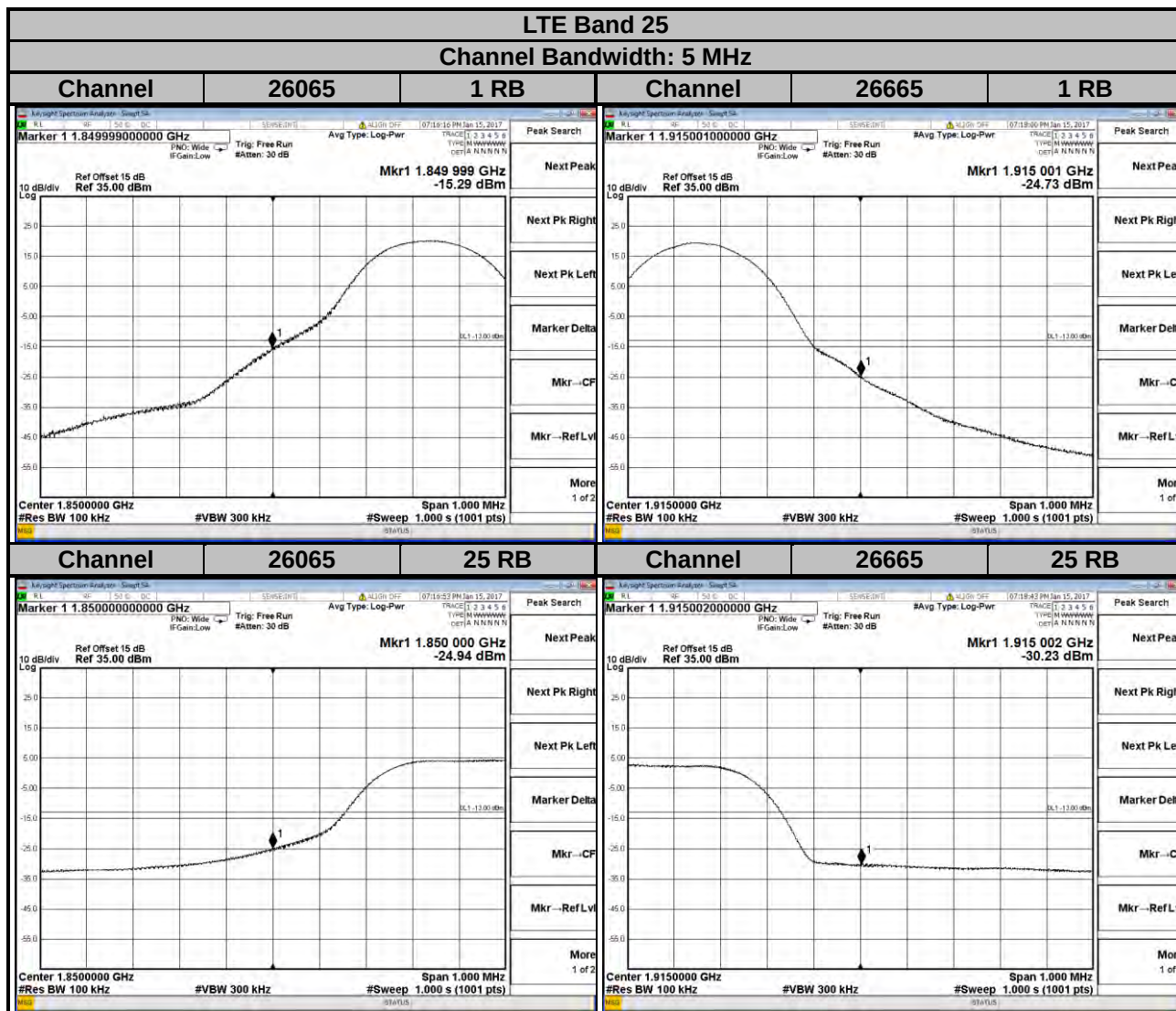
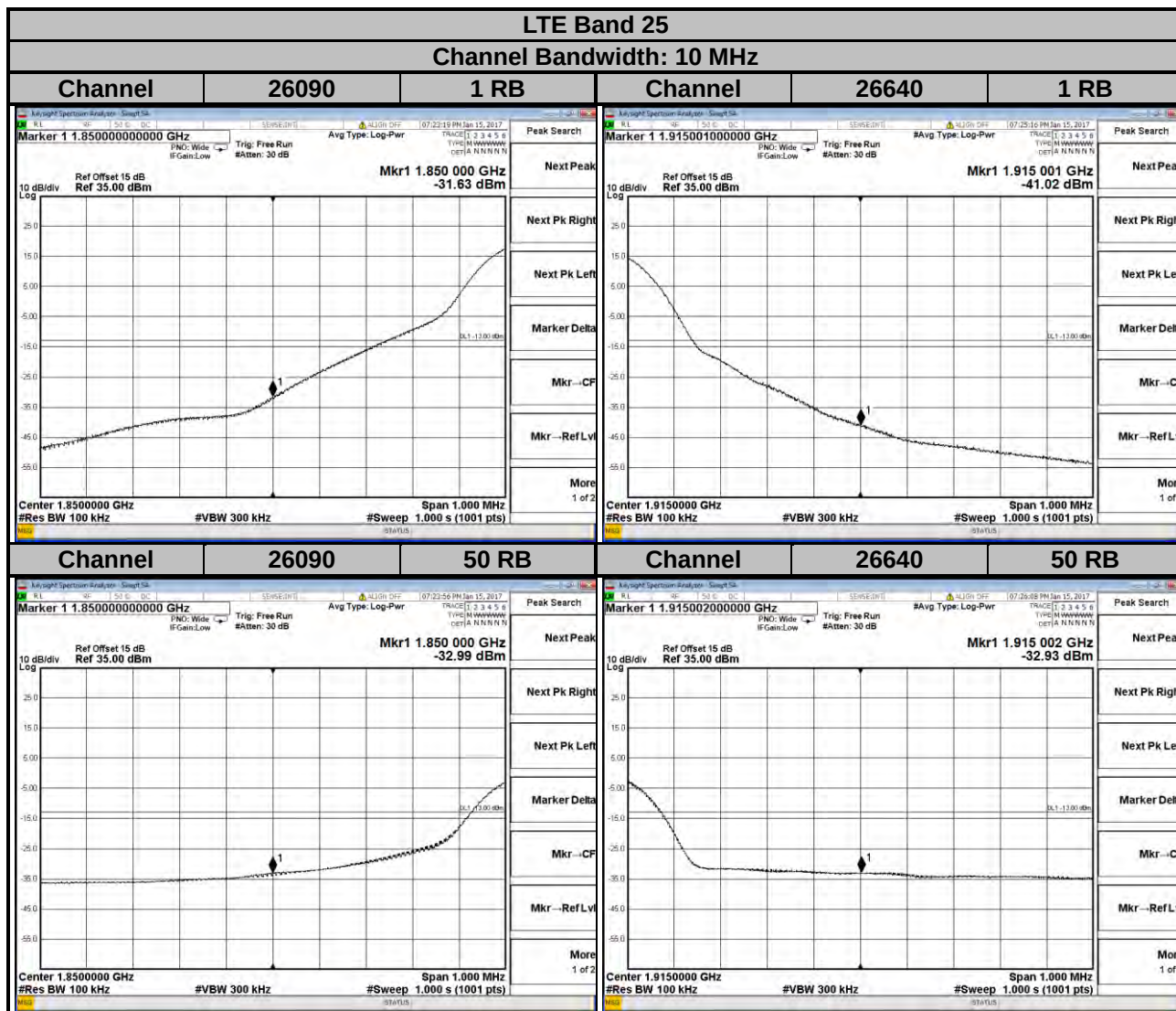
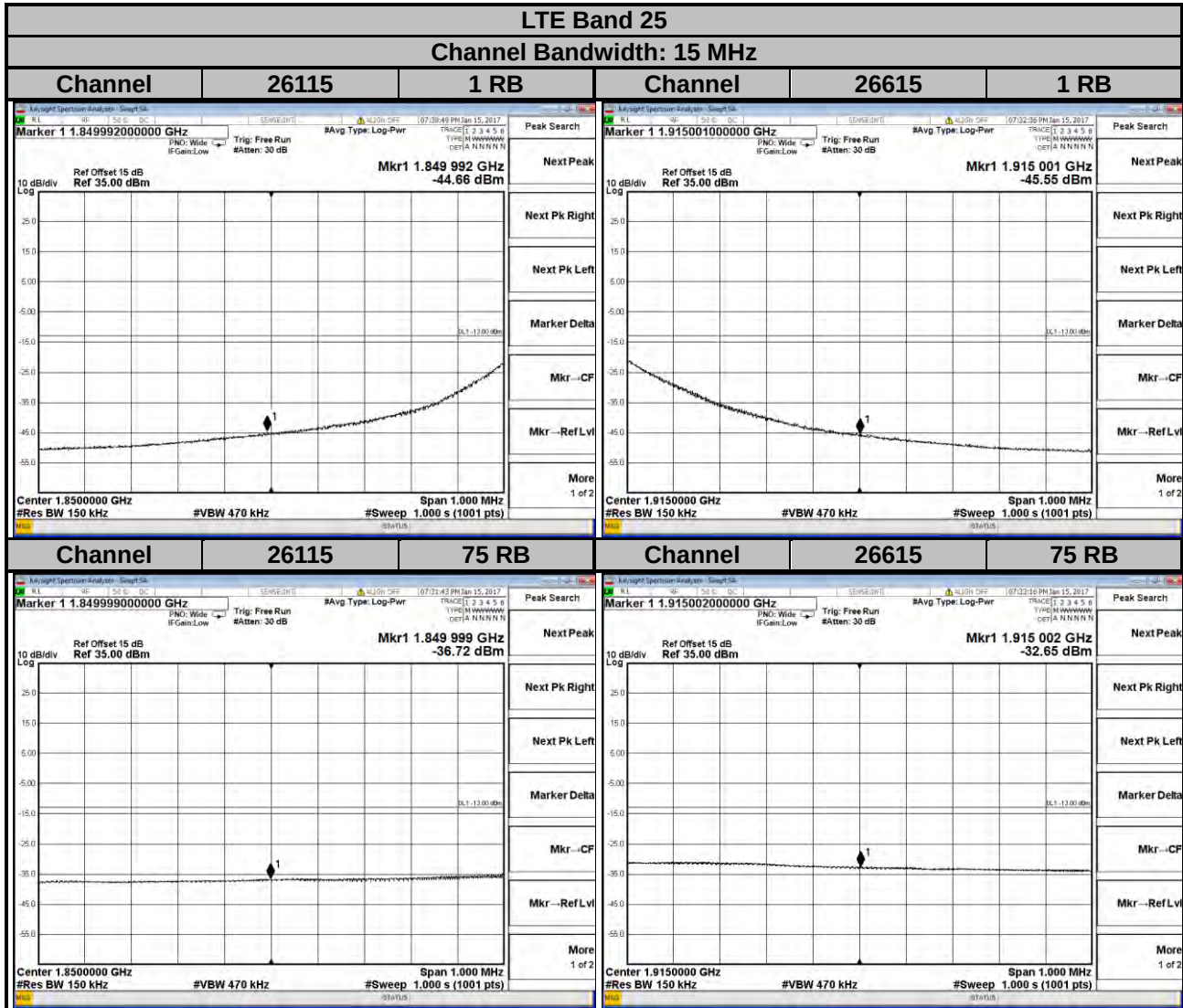
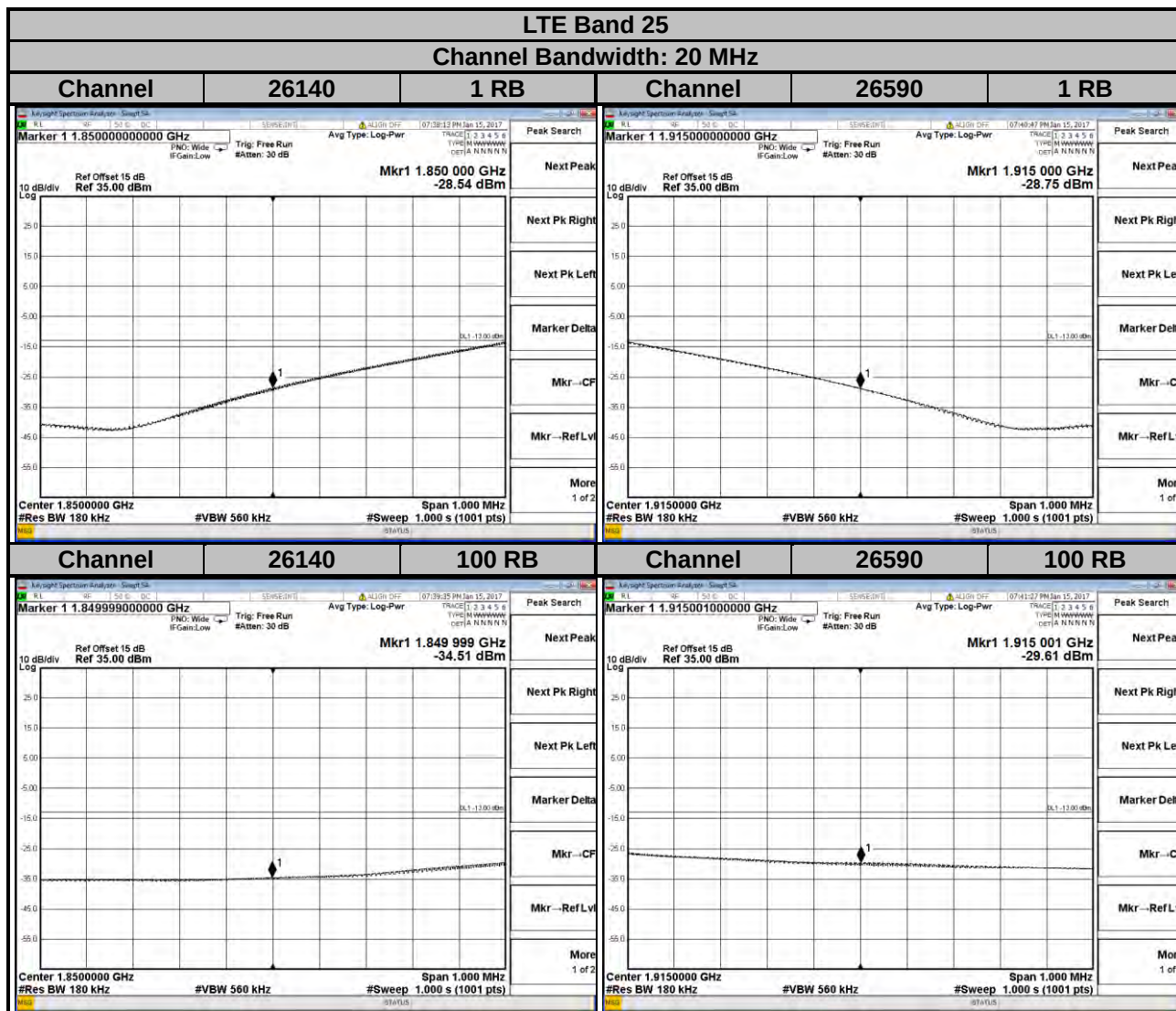








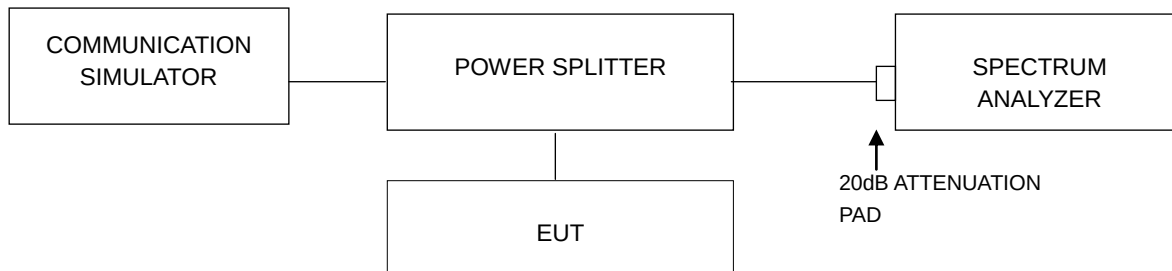


4.5 Peak to Average Ratio

4.5.1 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.

4.5.2 Test Setup



4.5.3 Test Procedures

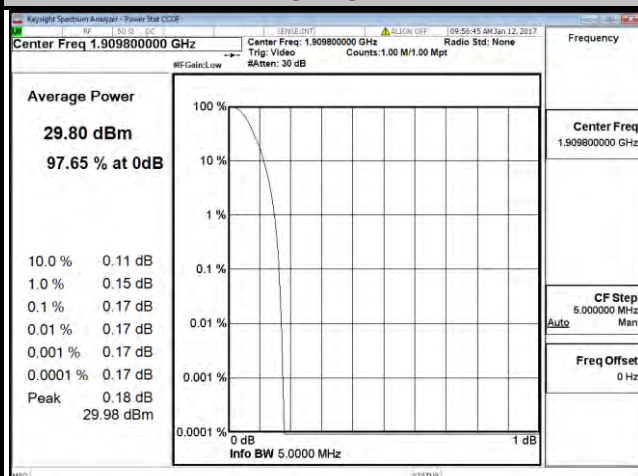
1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1 %.

4.5.4 Test Results

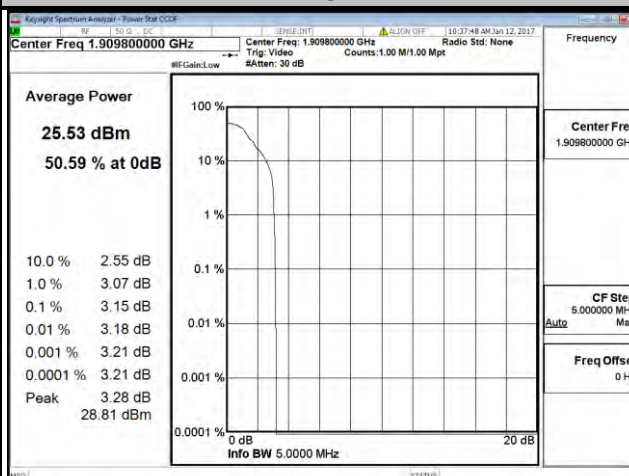
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)
		GPRS	EDGE			
512	1850.2	0.16	3.14	9262	1852.4	3.06
661	1880.0	0.16	3.14	9400	1880.0	2.96
810	1909.8	0.17	3.15	9538	1907.6	2.95
Channel	Frequency (MHz)	Peak to Average Ratio (dB)				
		CDMA				
25	1851.25	4.26				
600	1880.00	3.90				
1175	1908.75	3.94				

Spectrum Plot of Worst Value

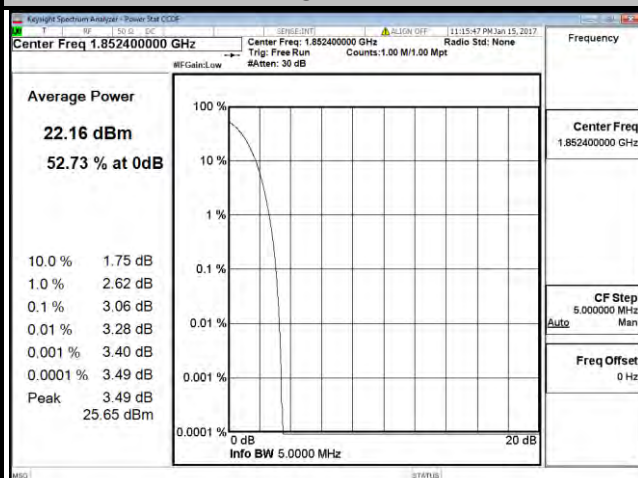
GPRS



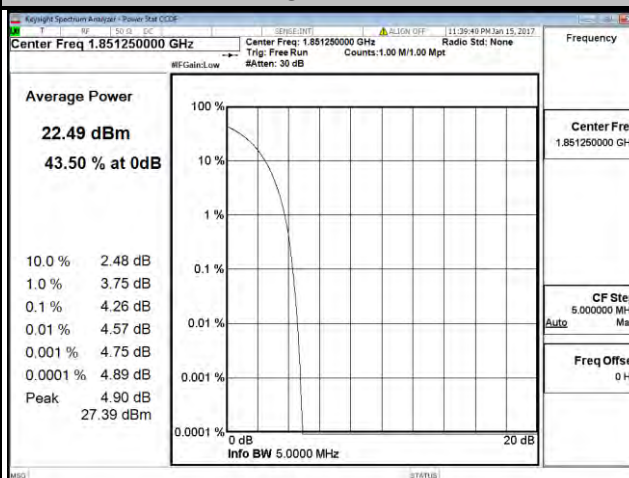
EDGE



WCDMA



CDMA



LTE Band 2

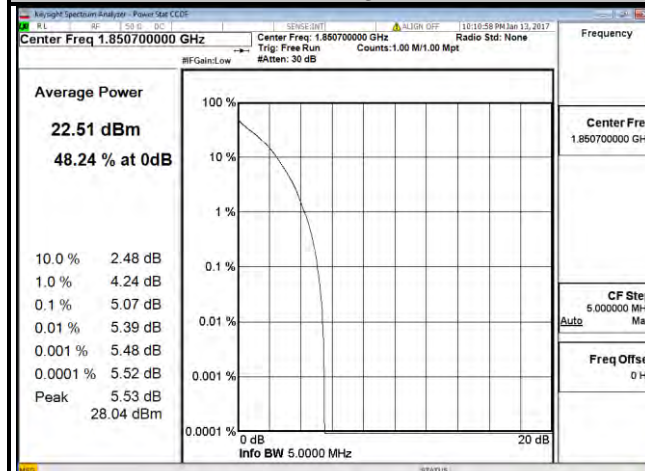
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 3 MHz

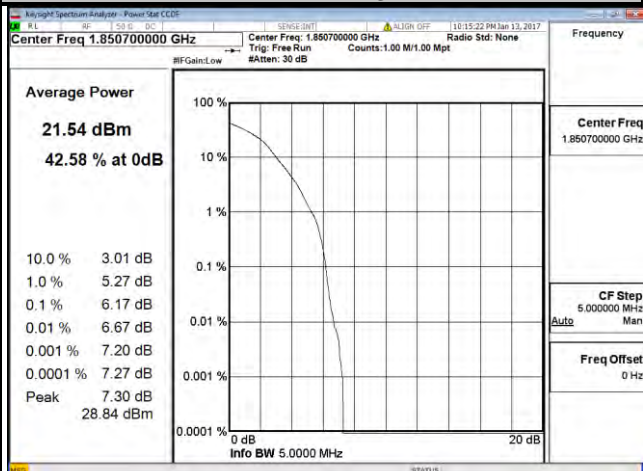
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
18607	1850.7	5.07	6.17	18615	1851.5	4.99	6.15
18900	1880.0	4.54	5.63	18900	1880.0	4.41	5.51
19193	1909.3	4.63	5.66	19185	1908.5	4.45	5.61

Spectrum Plot of Worst Value

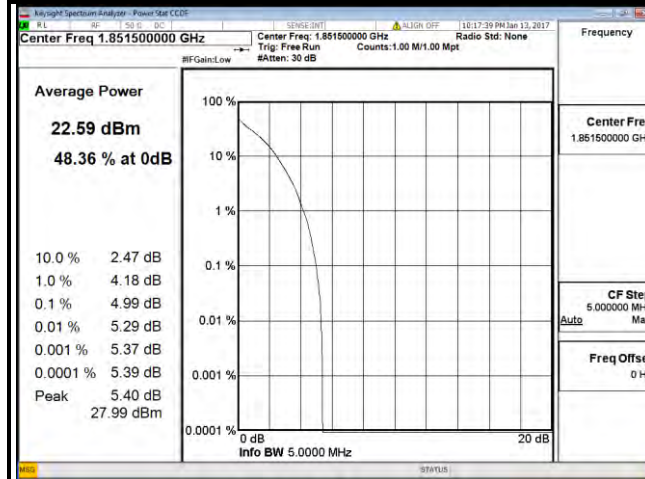
1.4 MHz / QPSK



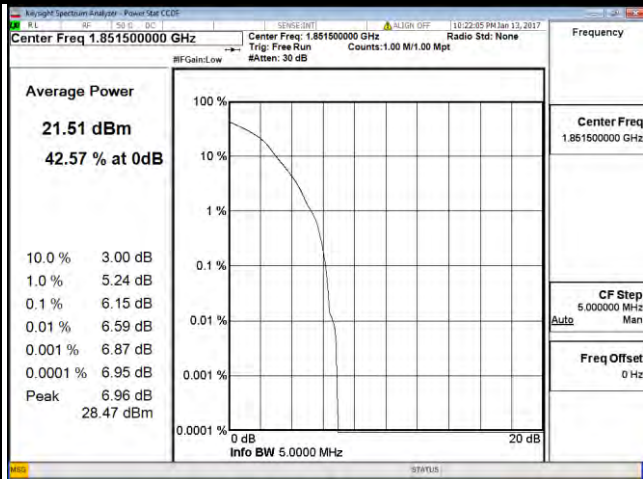
1.4 MHz / 16QAM



3 MHz / QPSK



3 MHz / 16QAM



LTE Band 2

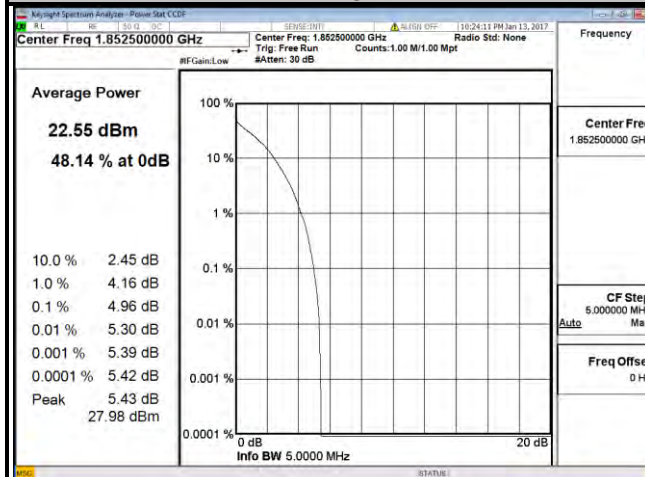
Channel Bandwidth: 5 MHz

Channel Bandwidth: 10 MHz

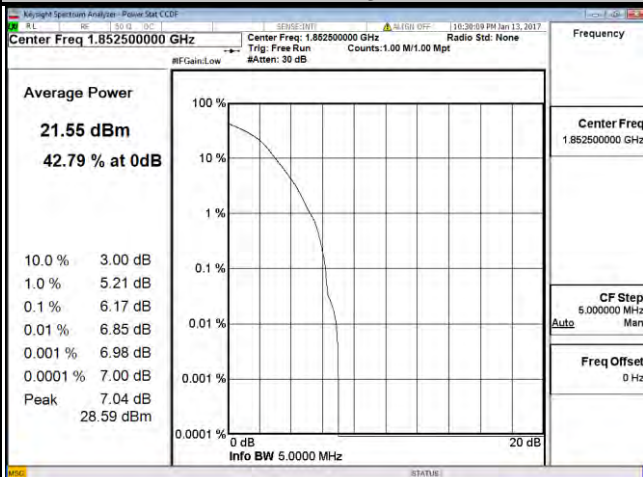
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
18625	1852.5	4.96	6.17	18650	1855.0	4.92	6.10
18900	1880.0	4.28	5.39	18900	1880.0	4.09	5.18
19175	1907.5	4.22	5.36	19150	1905.0	4.00	5.17

Spectrum Plot of Worst Value

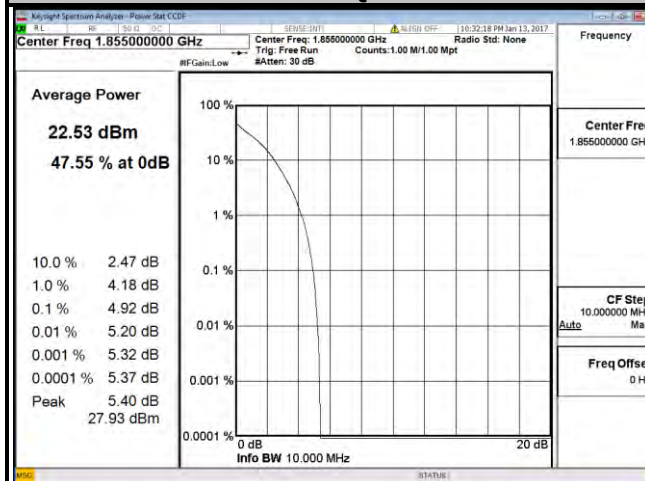
5 MHz / QPSK



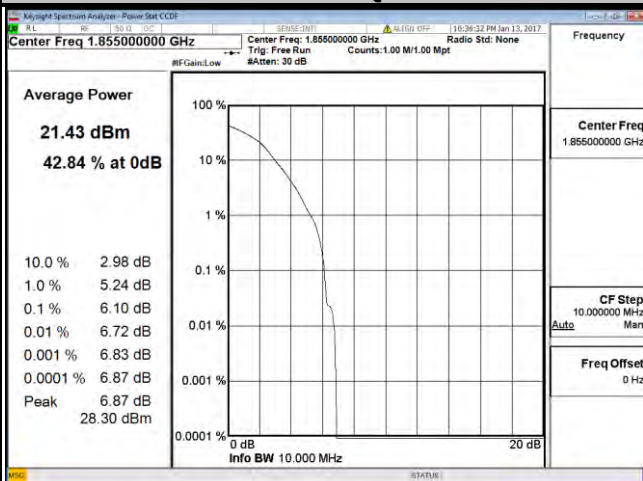
5 MHz / 16QAM



10 MHz / QPSK



10 MHz / 16QAM



LTE Band 2

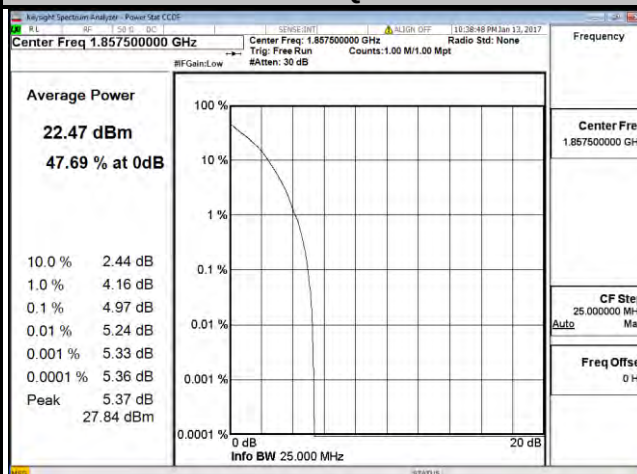
Channel Bandwidth: 15 MHz

Channel Bandwidth: 20 MHz

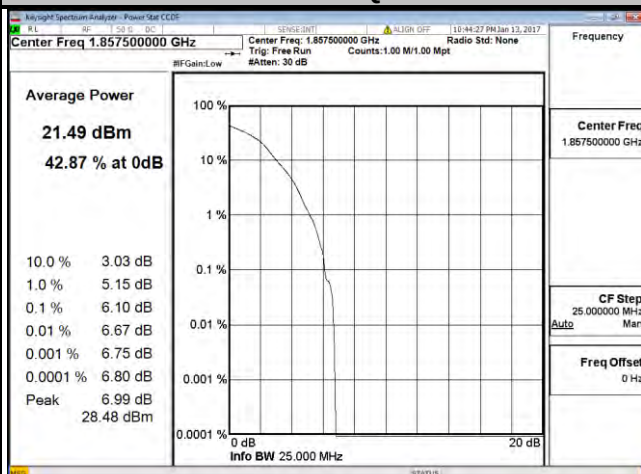
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
18675	1857.5	4.97	6.10	18700	1860.0	4.83	5.88
18900	1880.0	3.94	5.04	18900	1880.0	3.80	5.03
19125	1902.5	4.08	5.21	19100	1900.0	4.55	5.64

Spectrum Plot of Worst Value

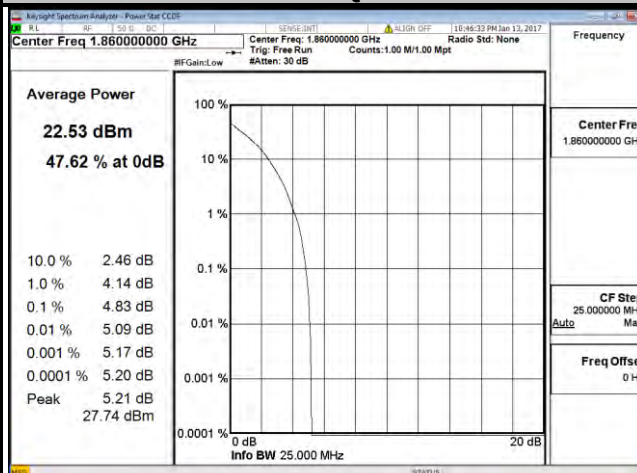
15 MHz / QPSK



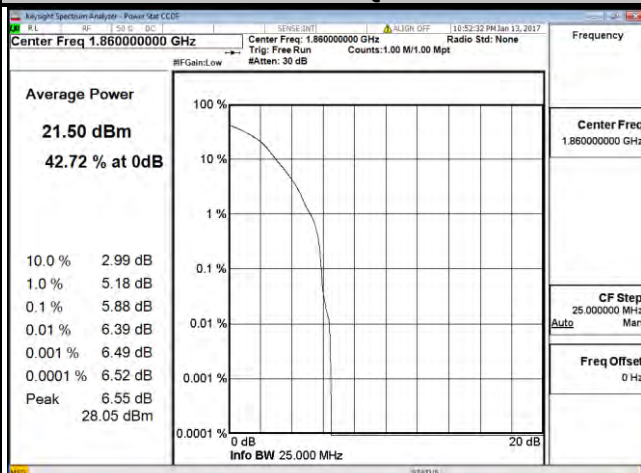
15 MHz / 16QAM



20 MHz / QPSK



20 MHz / 16QAM



LTE Band 25

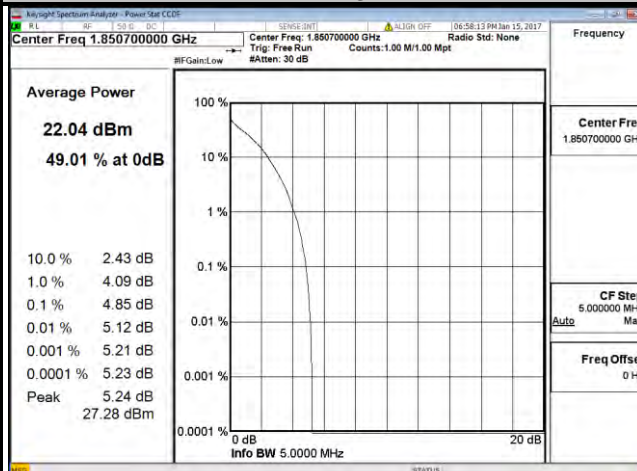
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 3 MHz

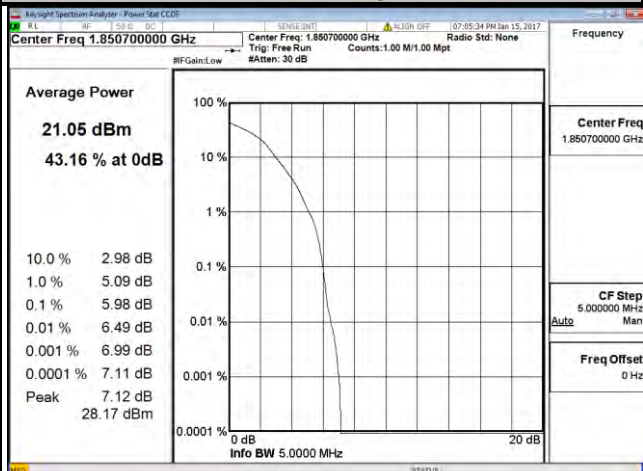
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26047	1850.7	4.85	5.98	26055	1851.5	4.86	6.01
26365	1882.5	4.77	5.90	26365	1882.5	4.64	5.77
26683	1914.3	2.94	3.96	26675	1913.5	3.33	4.45

Spectrum Plot of Worst Value

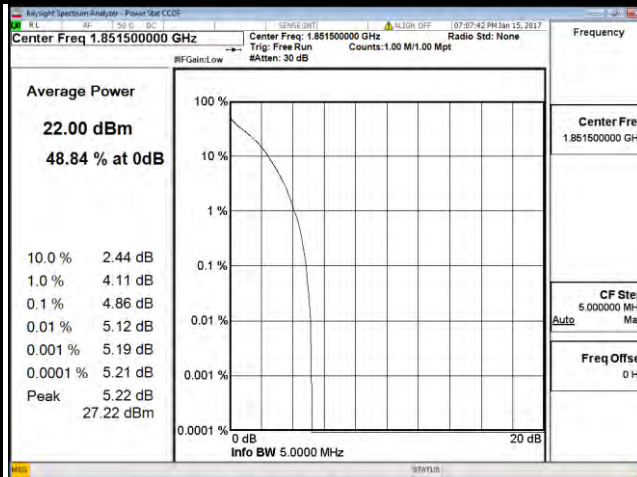
1.4 MHz / QPSK



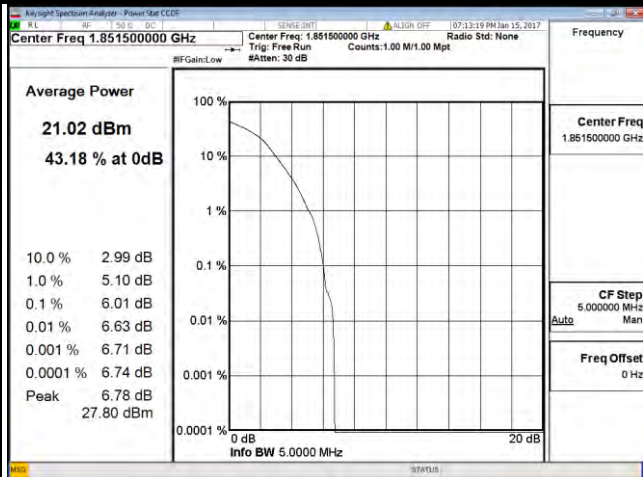
1.4 MHz / 16QAM



3 MHz / QPSK



3 MHz / 16QAM



LTE Band 25

Channel Bandwidth: 5 MHz

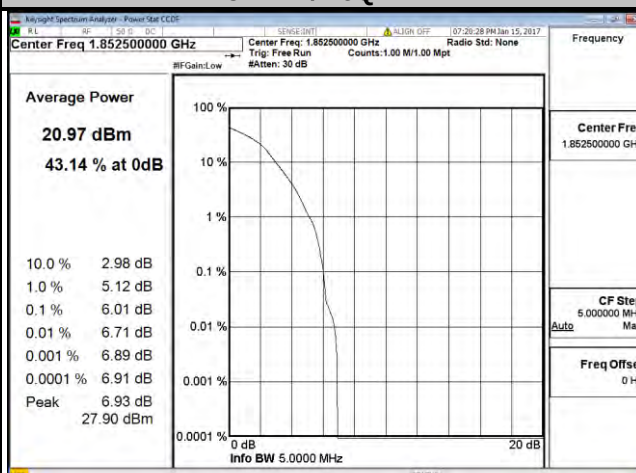
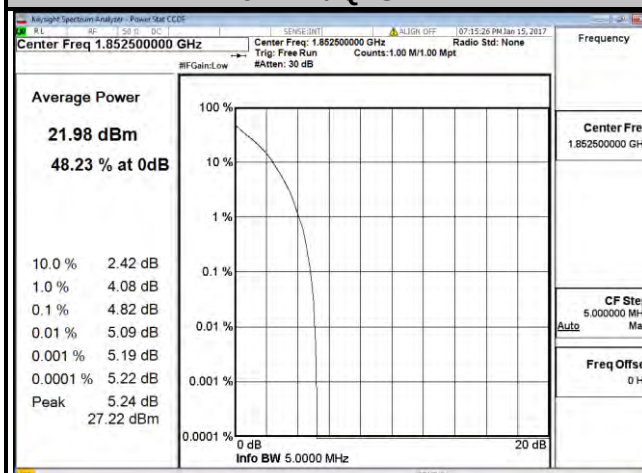
Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26065	1852.5	4.82	6.01	26090	1855.0	4.76	5.87
26365	1882.5	4.48	5.59	26365	1882.5	4.15	5.24
26665	1912.5	3.91	5.09	26640	1910.0	4.13	5.21

Spectrum Plot of Worst Value

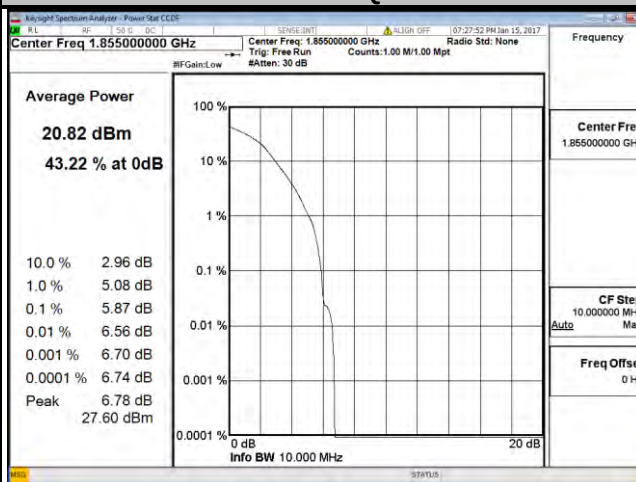
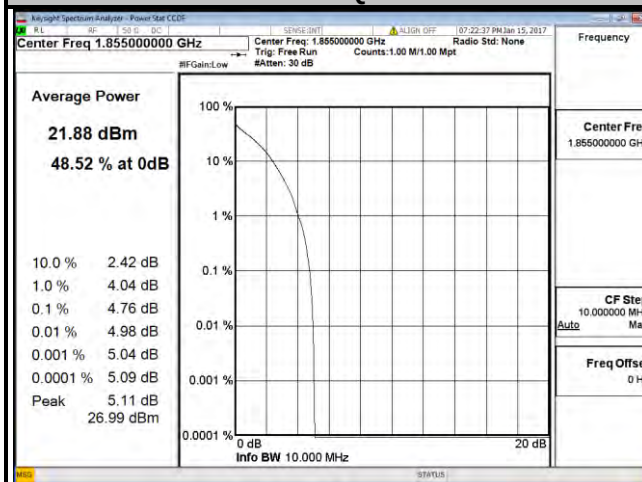
5 MHz / QPSK

5 MHz / 16QAM



10 MHz / QPSK

10 MHz / 16QAM

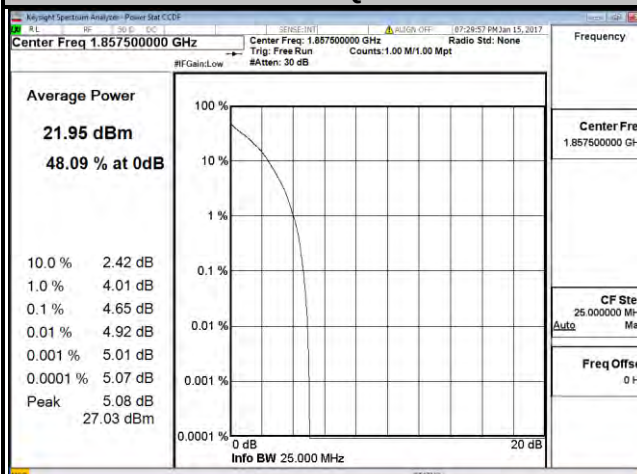


LTE Band 25

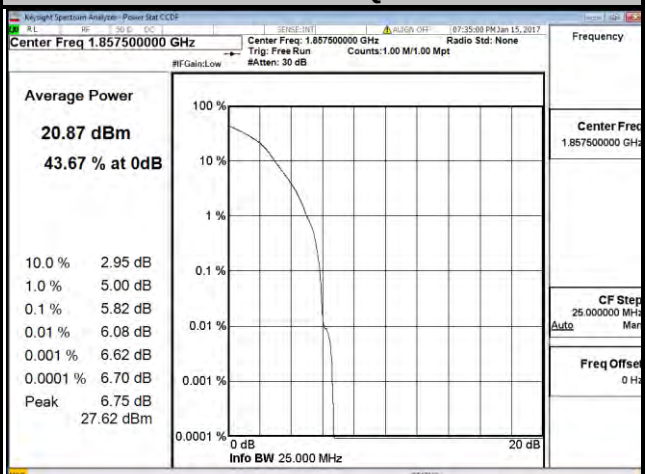
Channel Bandwidth: 15 MHz				Channel Bandwidth: 20 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26115	1857.5	4.65	5.82	26140	1860	4.74	5.56
26365	1882.5	3.87	5.05	26365	1882.5	3.76	4.86
26615	1907.5	3.73	5.05	26590	1905	3.98	5.11

Spectrum Plot of Worst Value

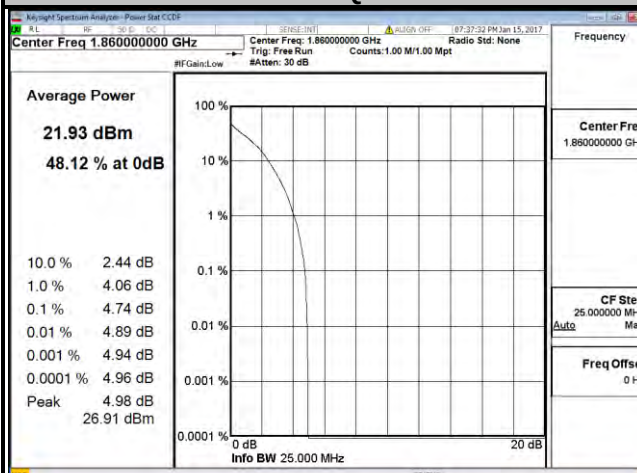
15 MHz / QPSK



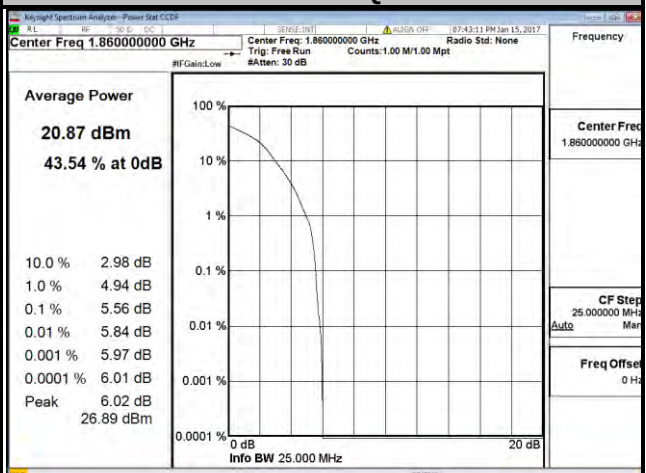
15 MHz / 16QAM



20 MHz / QPSK



20 MHz / 16QAM

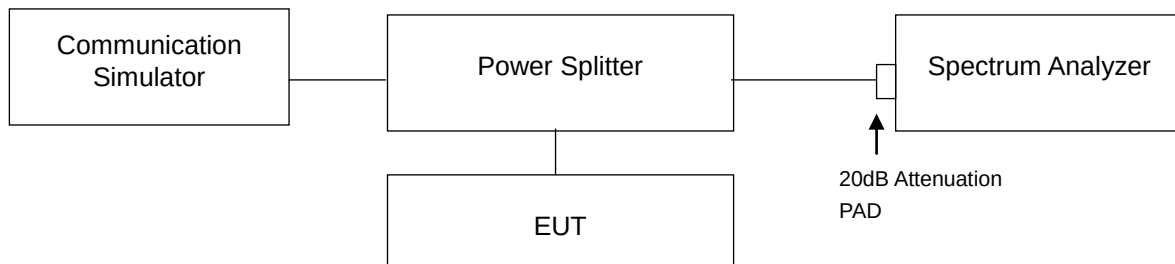


4.6 Conducted Spurious Emissions

4.6.1 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.

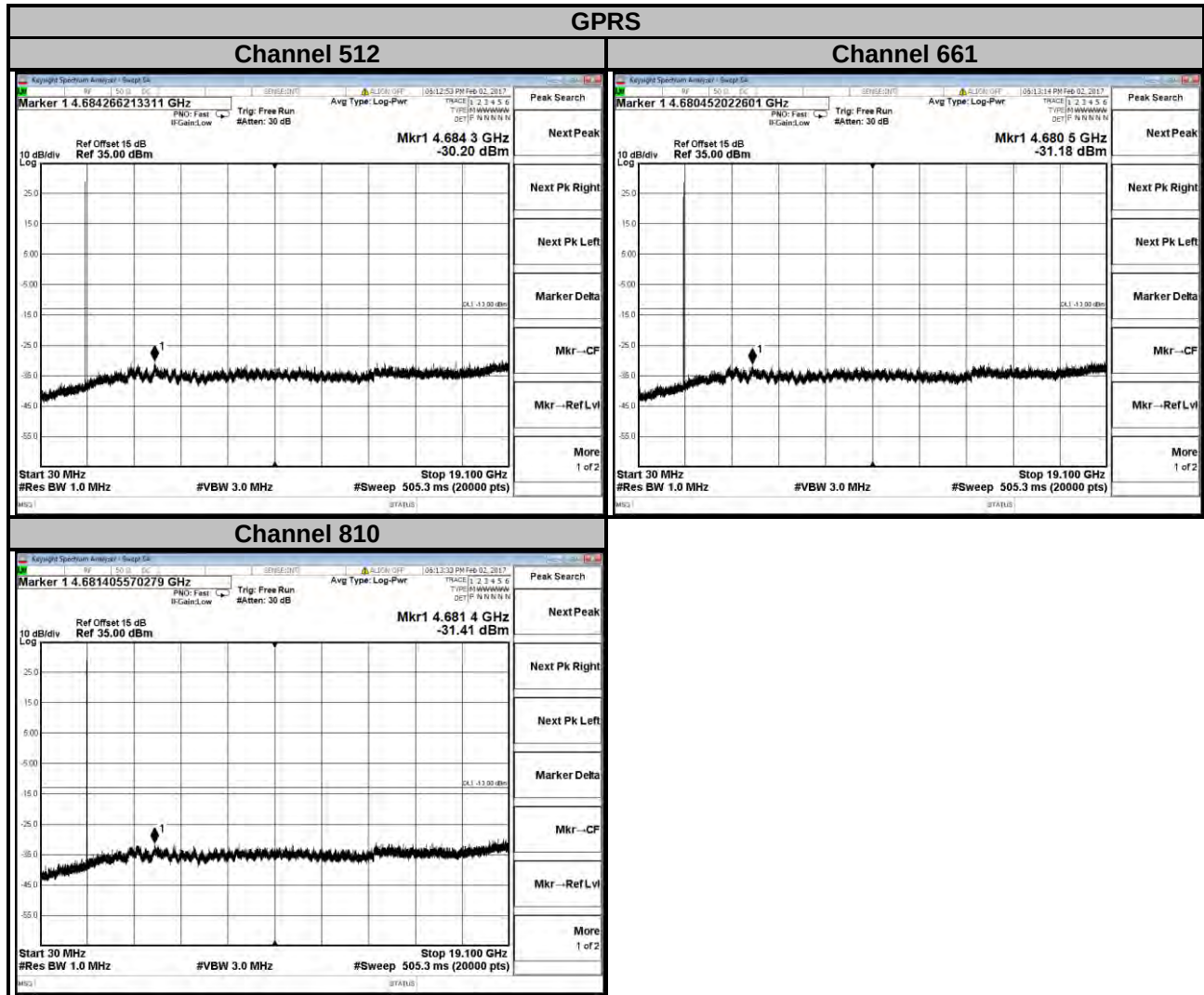
4.6.2 Test Setup



4.6.3 Test Procedure

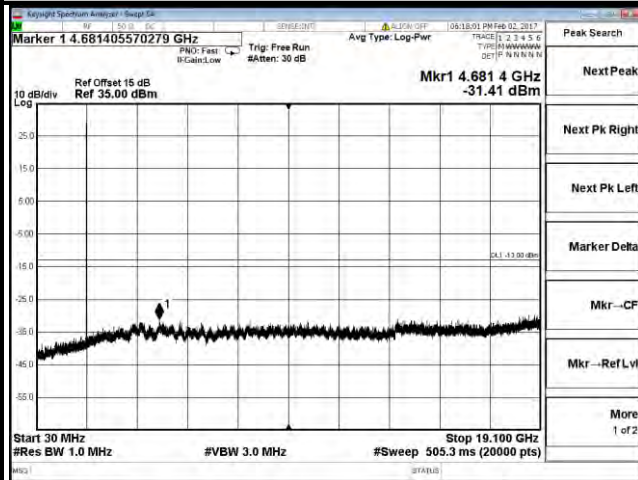
- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 9 GHz. 20 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz is used for conducted emission measurement.

4.6.4 Test Results

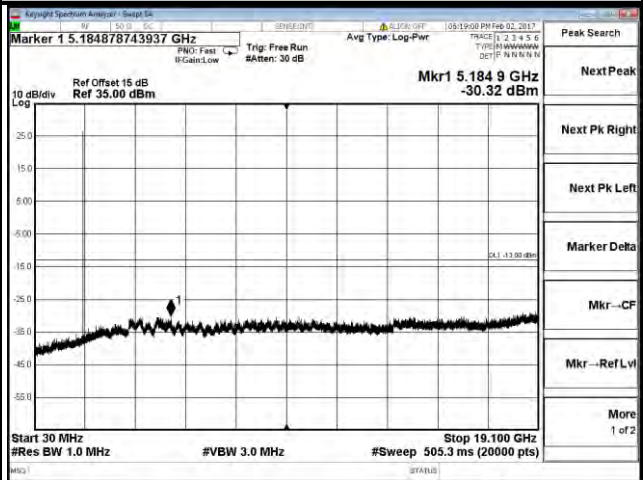


EDGE

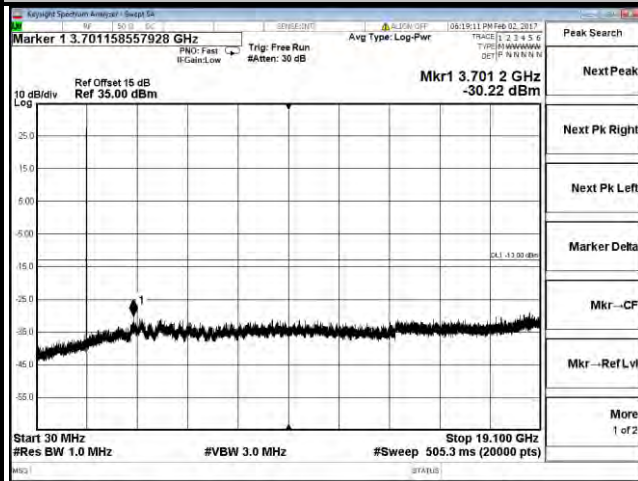
Channel 512



Channel 661

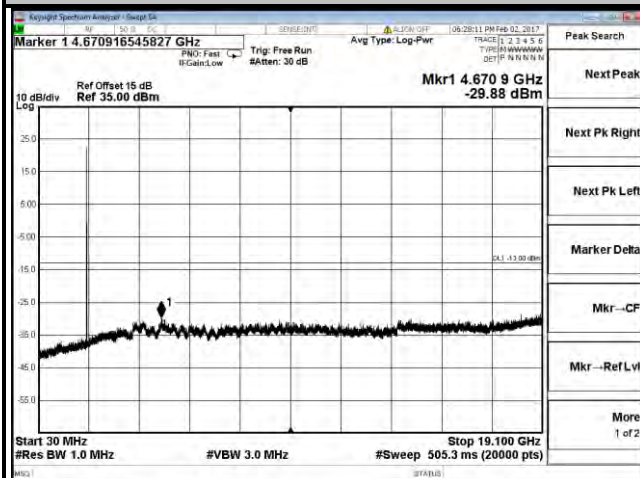


Channel 810

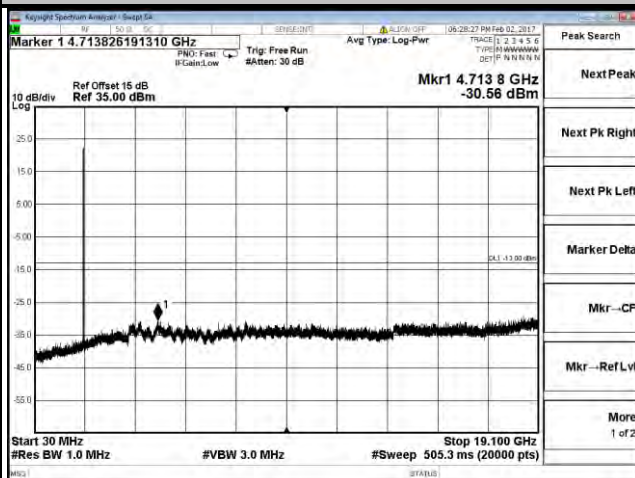


WCDMA

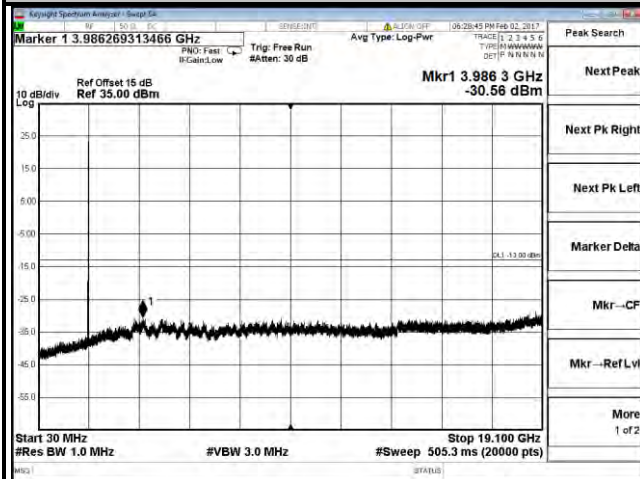
Channel 9262



Channel 9400

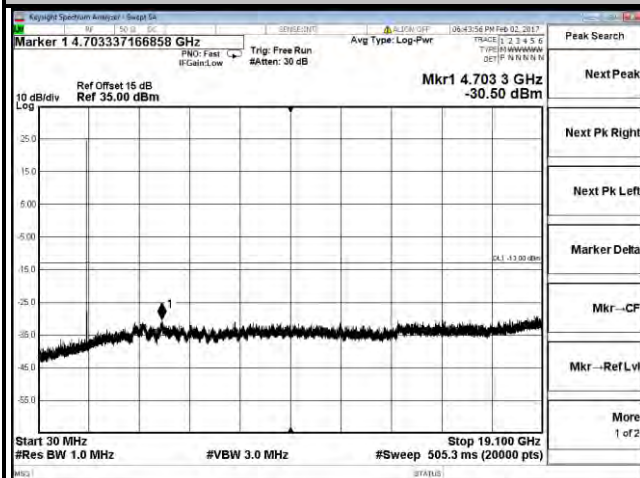


Channel 9538

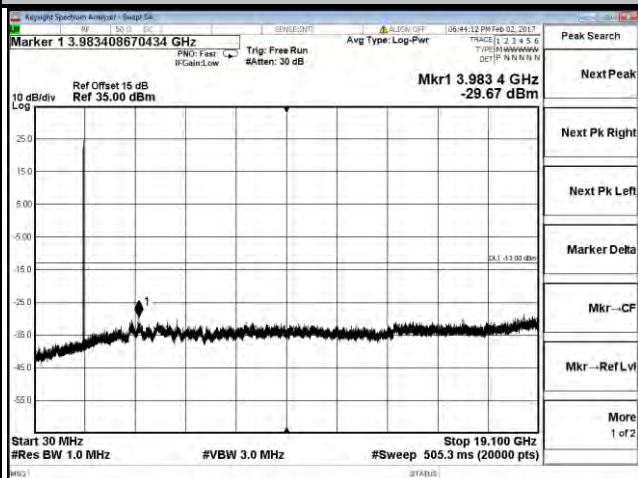


CDMA

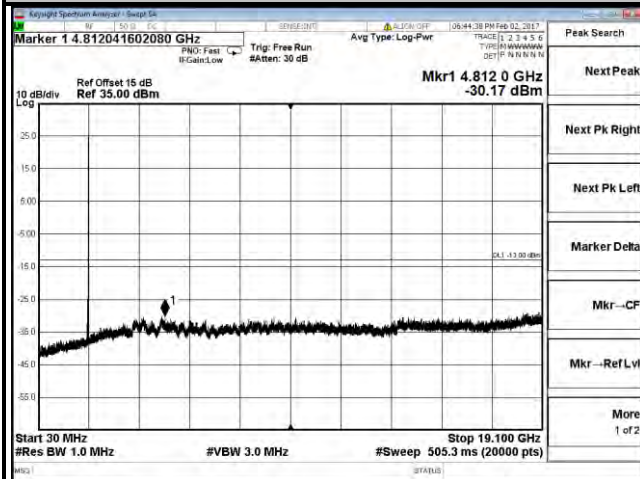
Channel 25



Channel 600



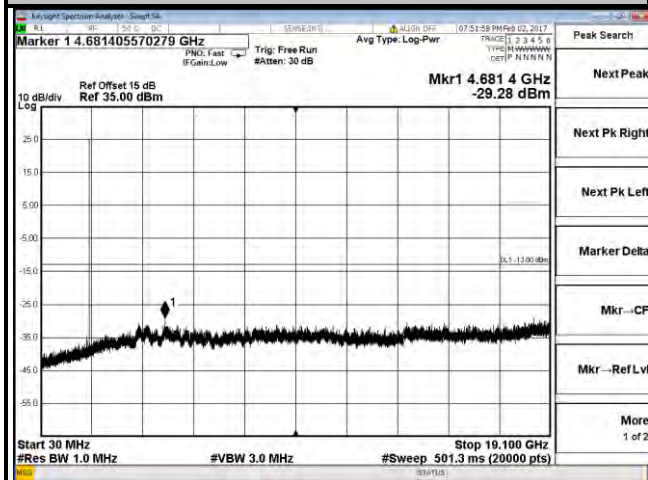
Channel 1175



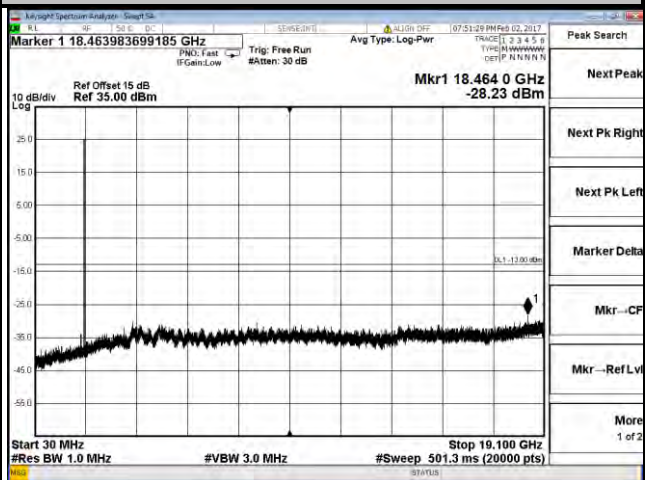
LTE Band 2

Channel Bandwidth: 1.4 MHz

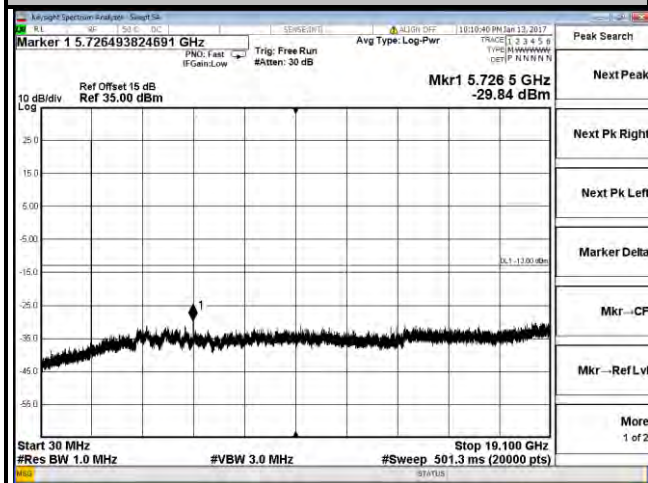
Channel 18607

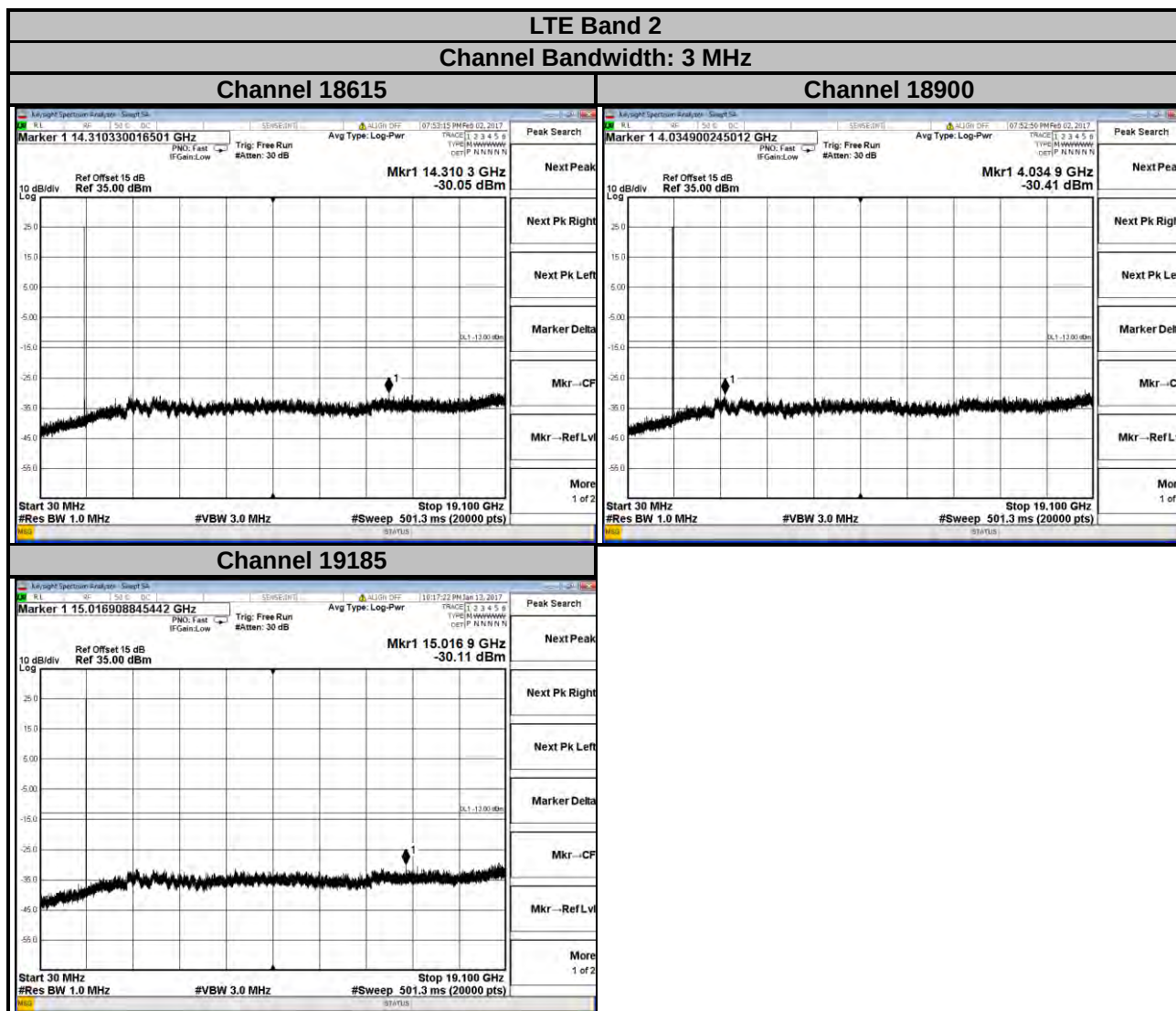


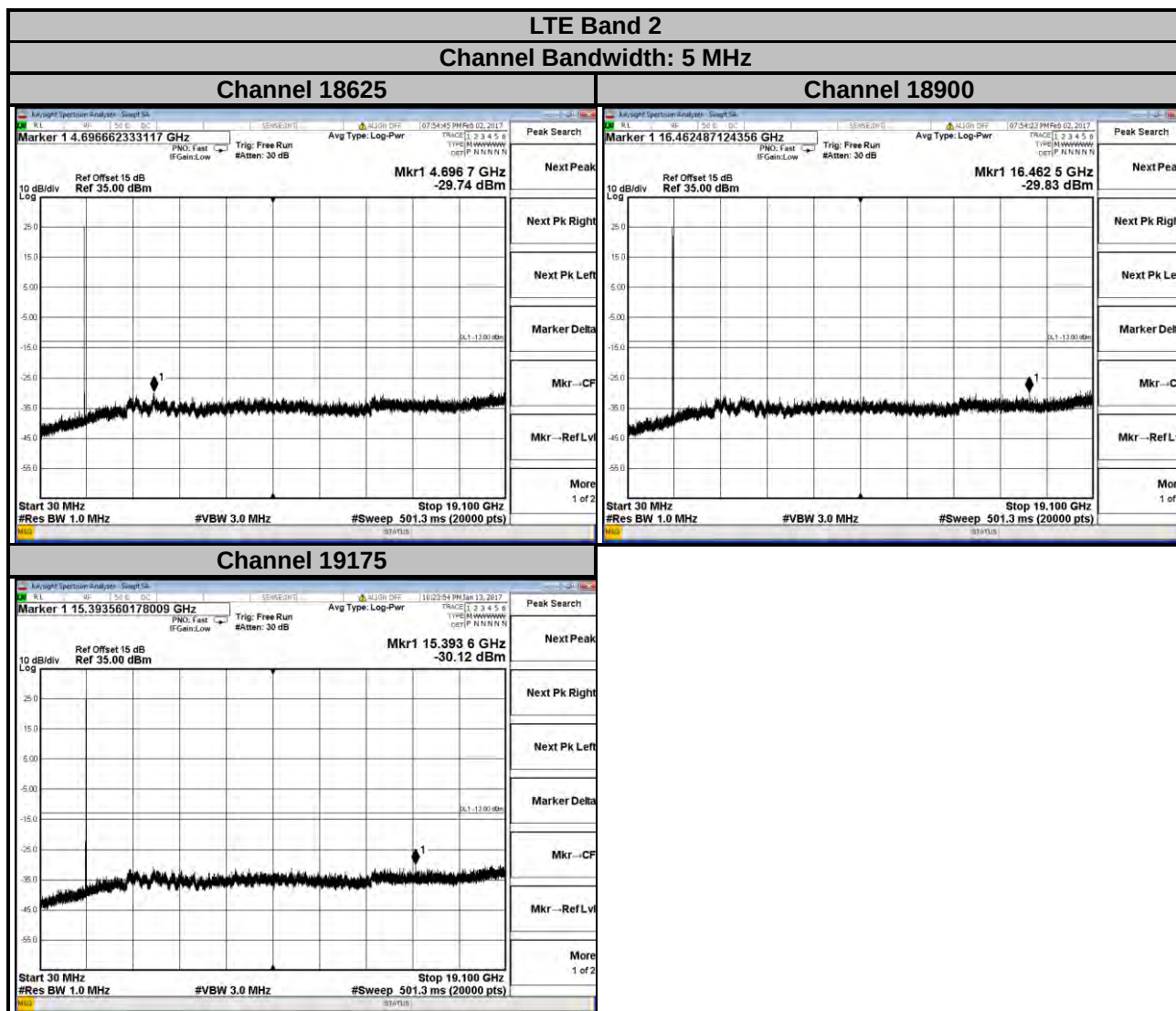
Channel 18900



Channel 19193



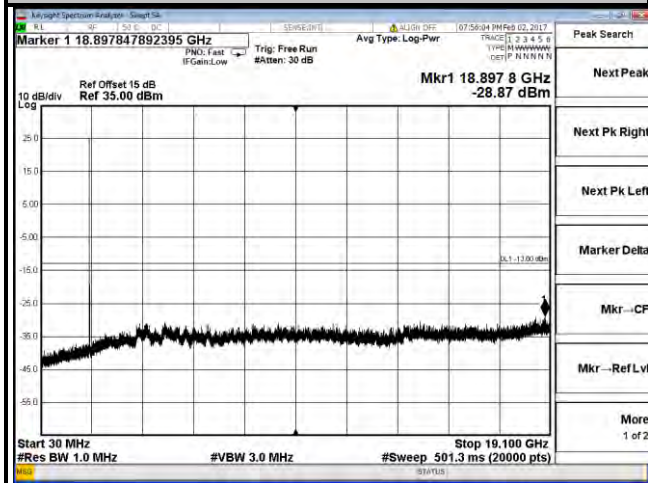




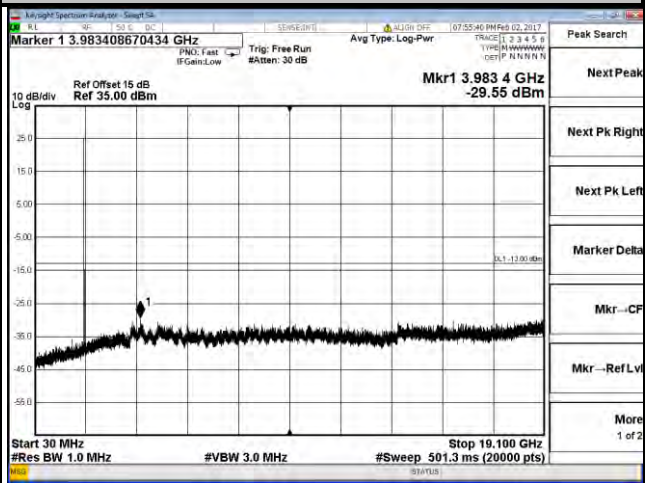
LTE Band 2

Channel Bandwidth: 10 MHz

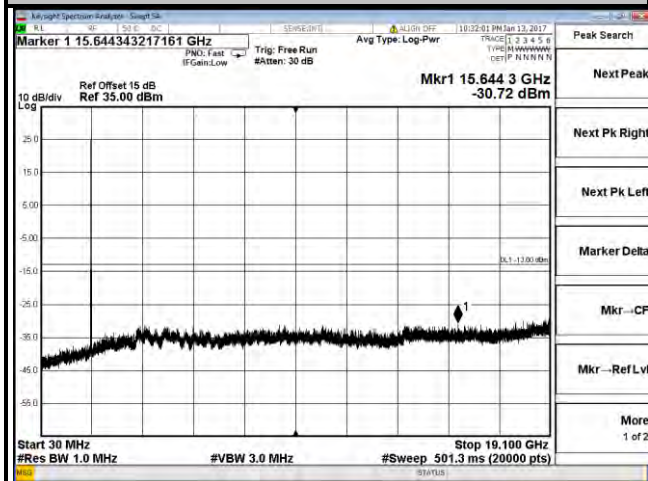
Channel 18650

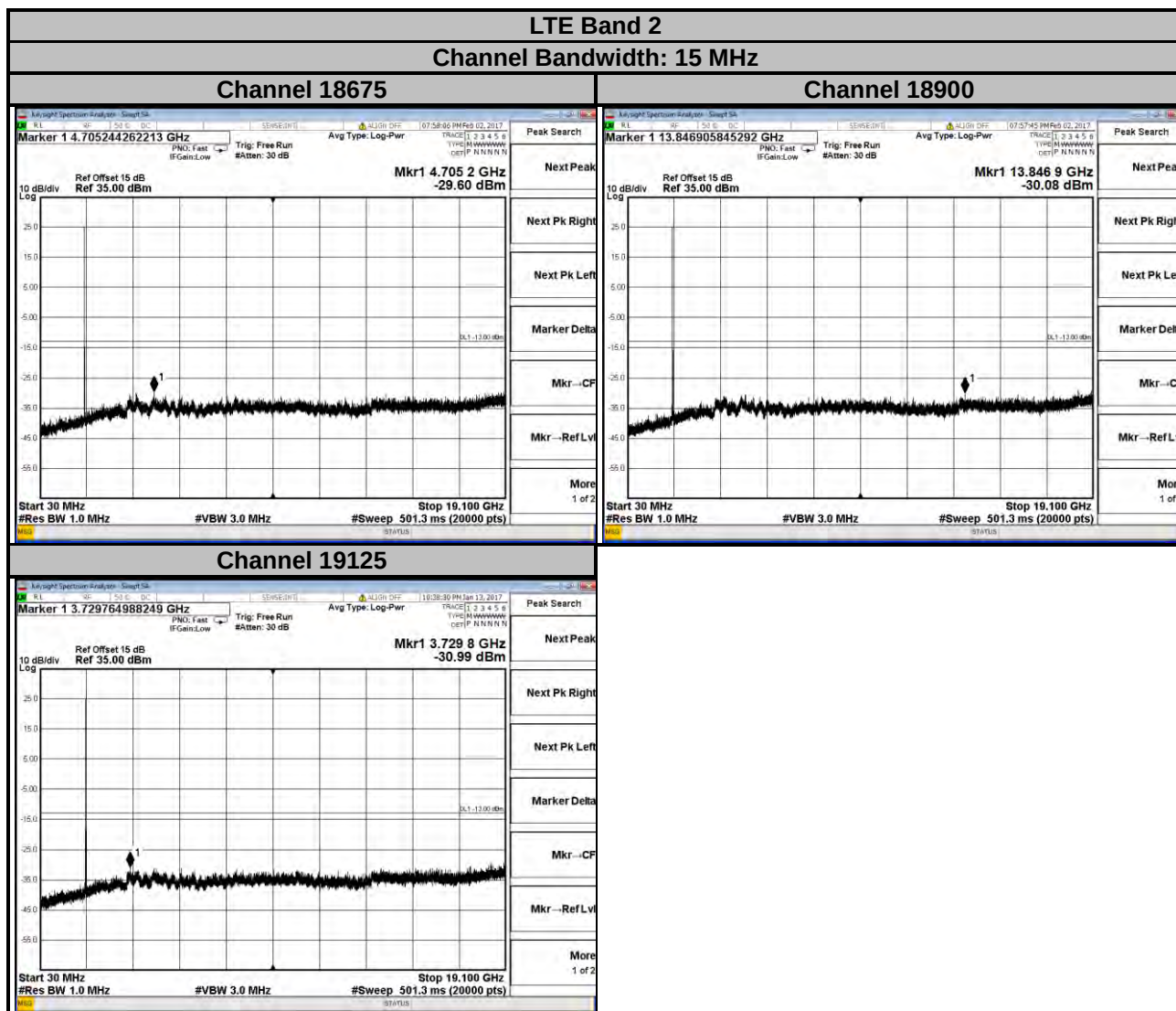


Channel 18900



Channel 19150

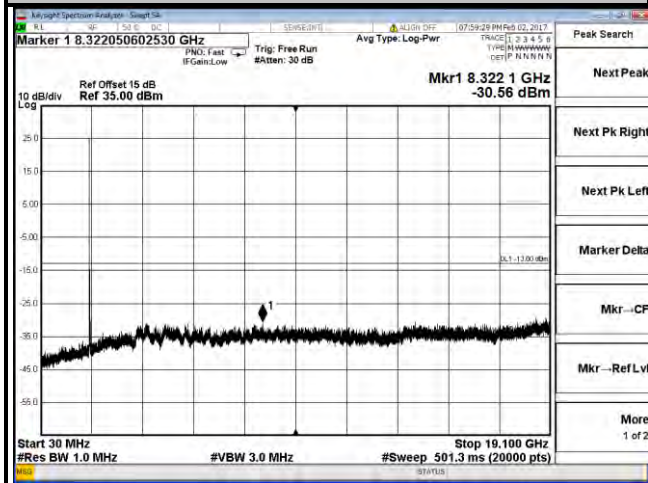




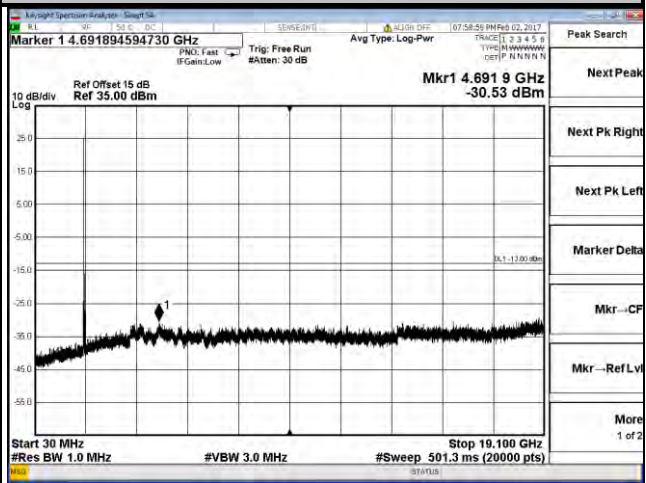
LTE Band 2

Channel Bandwidth: 20 MHz

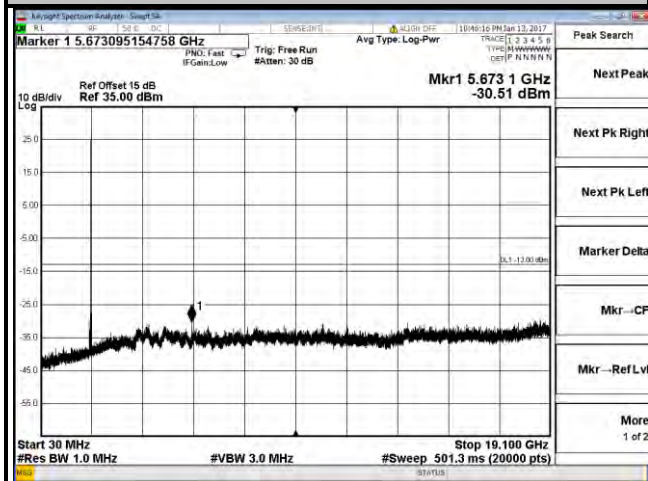
Channel 18700



Channel 18900



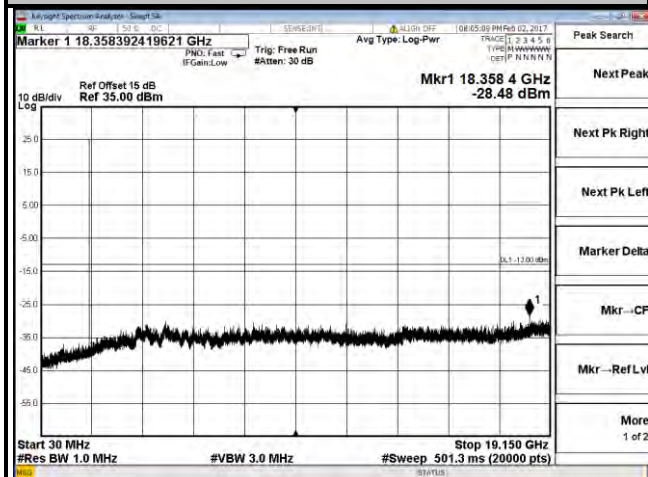
Channel 19100



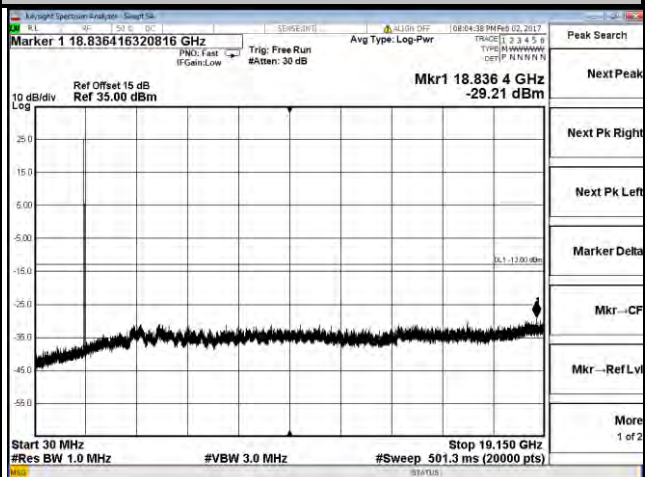
LTE Band 25

Channel Bandwidth: 1.4 MHz

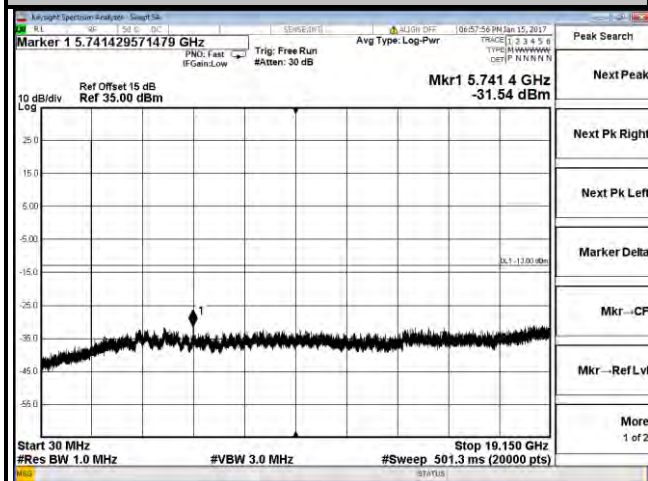
Channel 26047

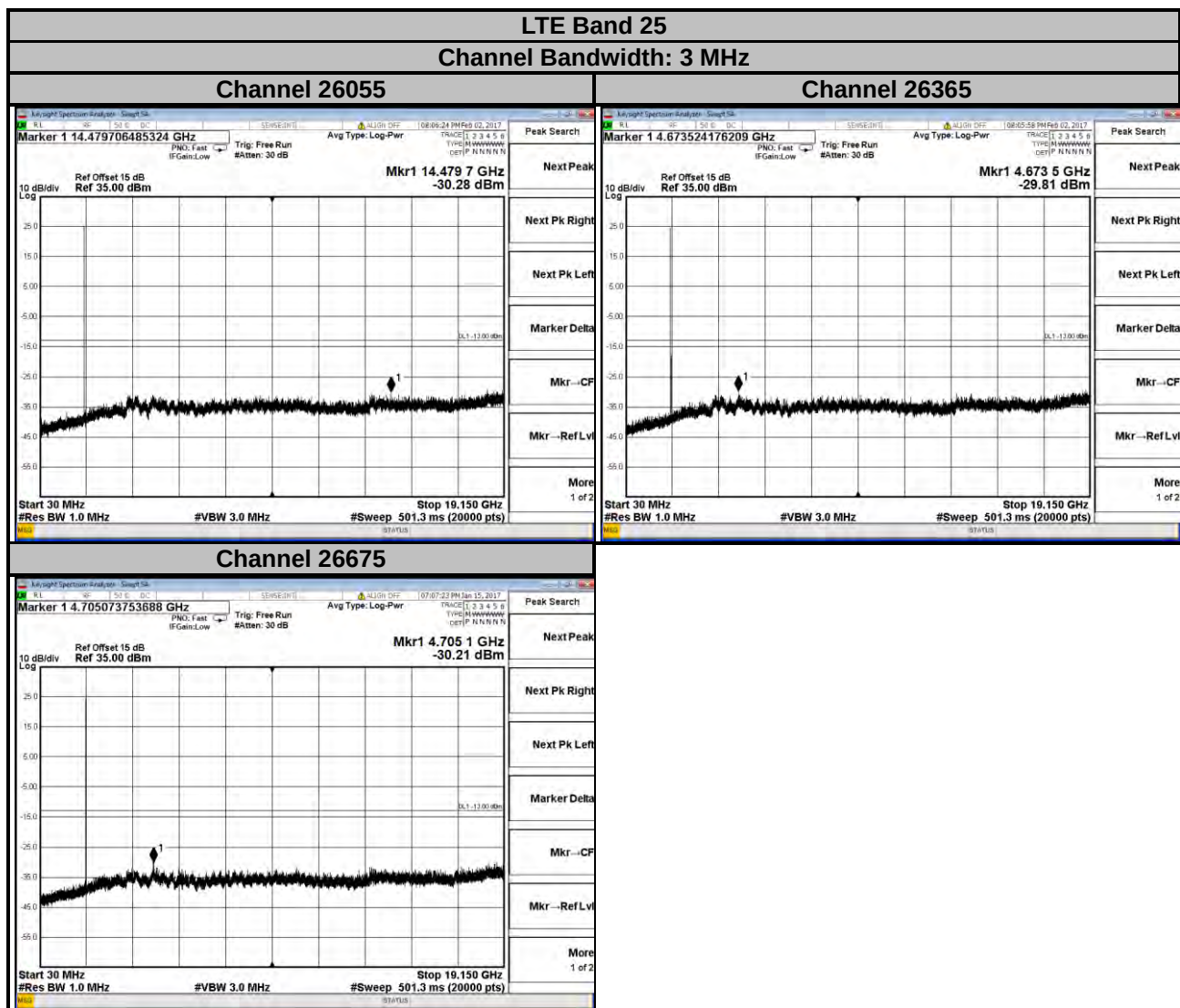


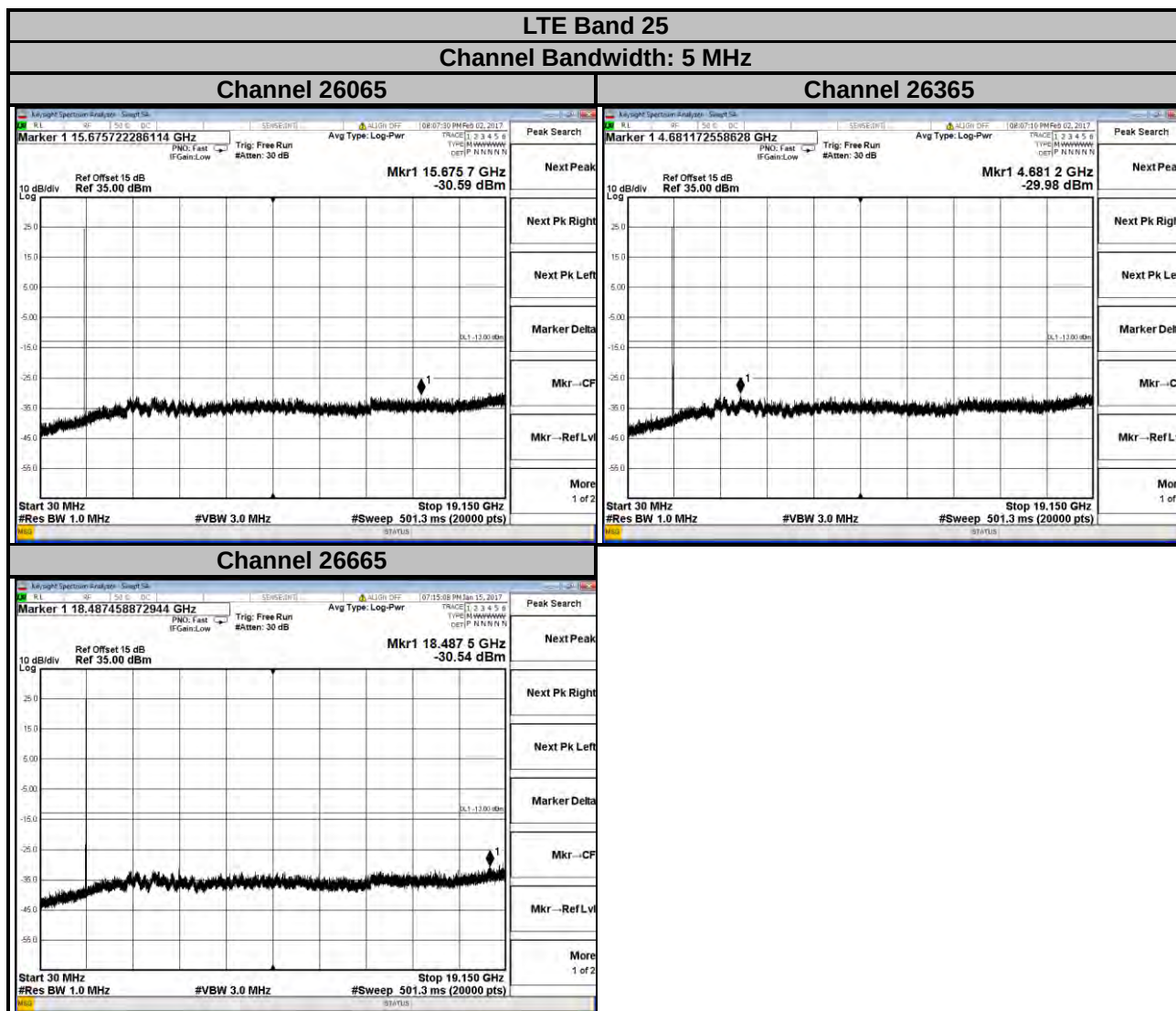
Channel 26365

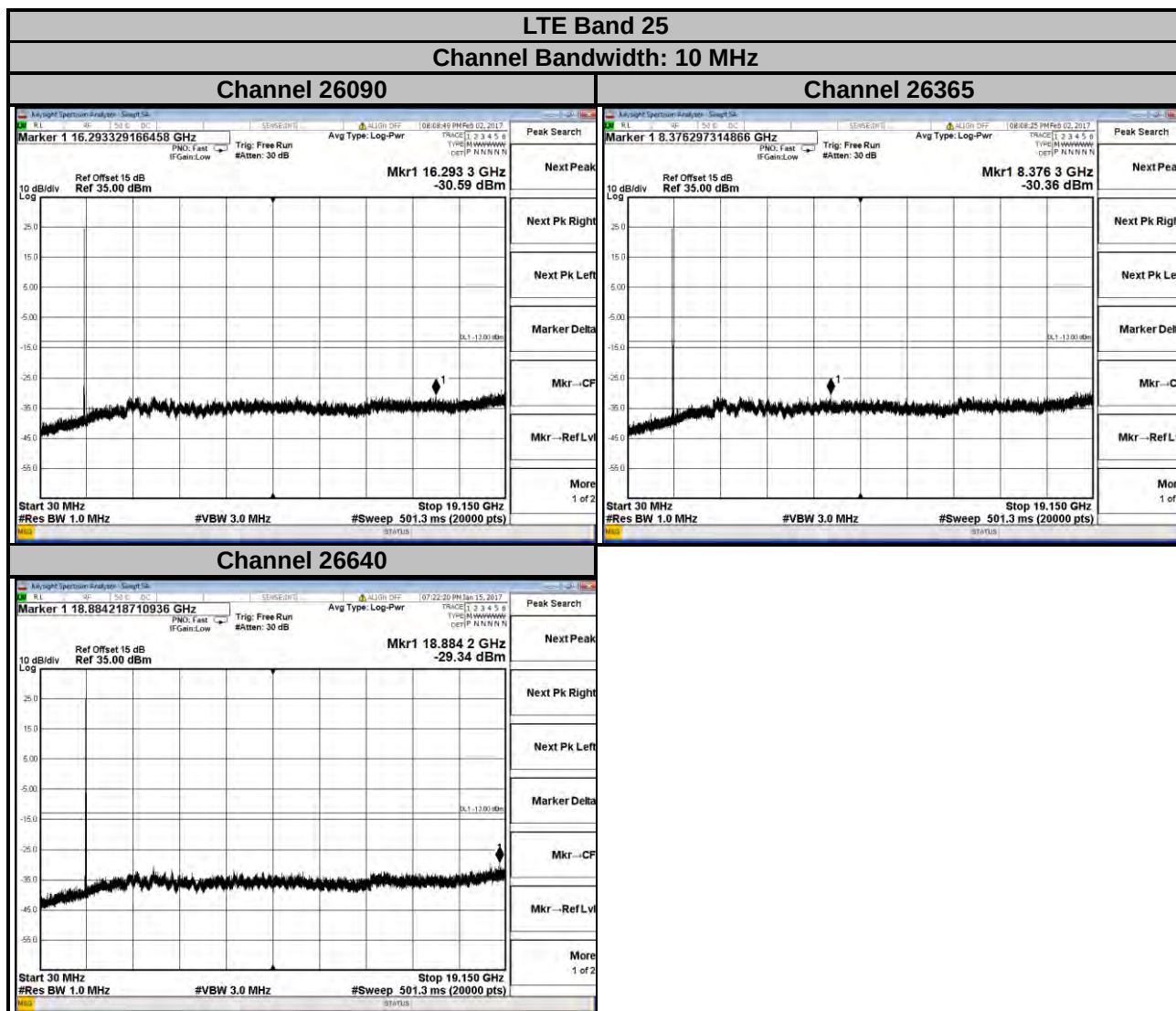


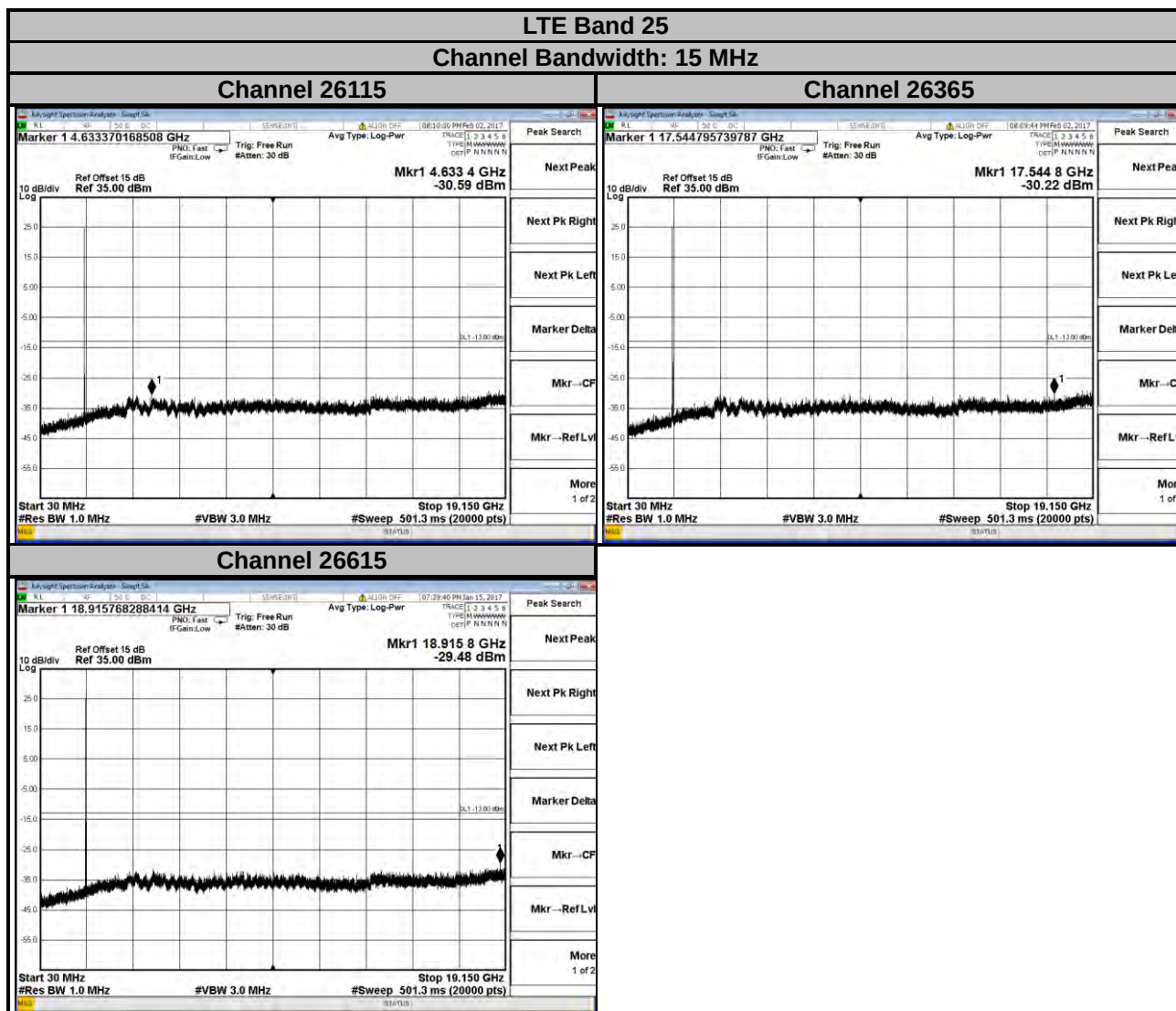
Channel 26683

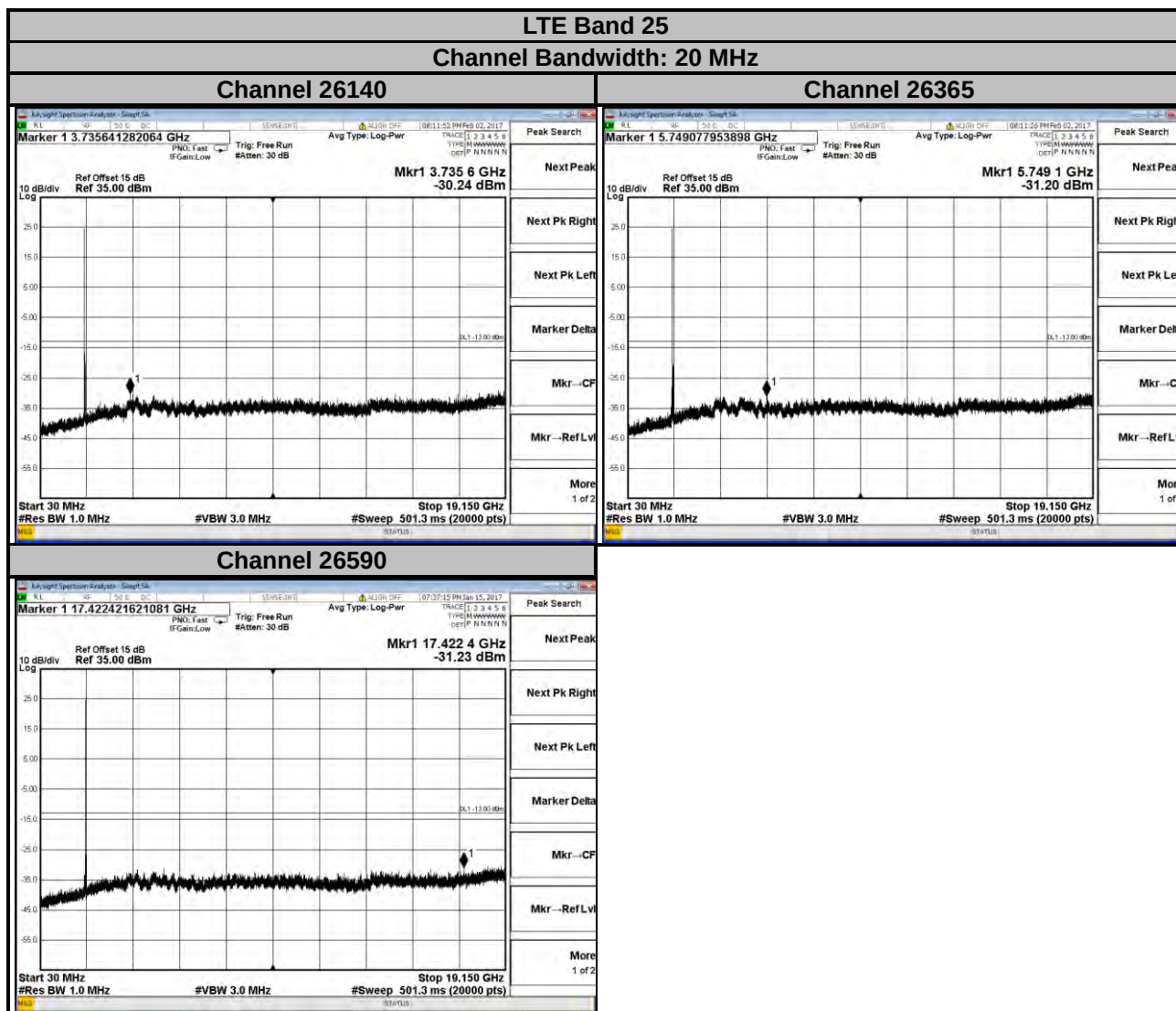












4.7 Radiated Emission Measurement

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

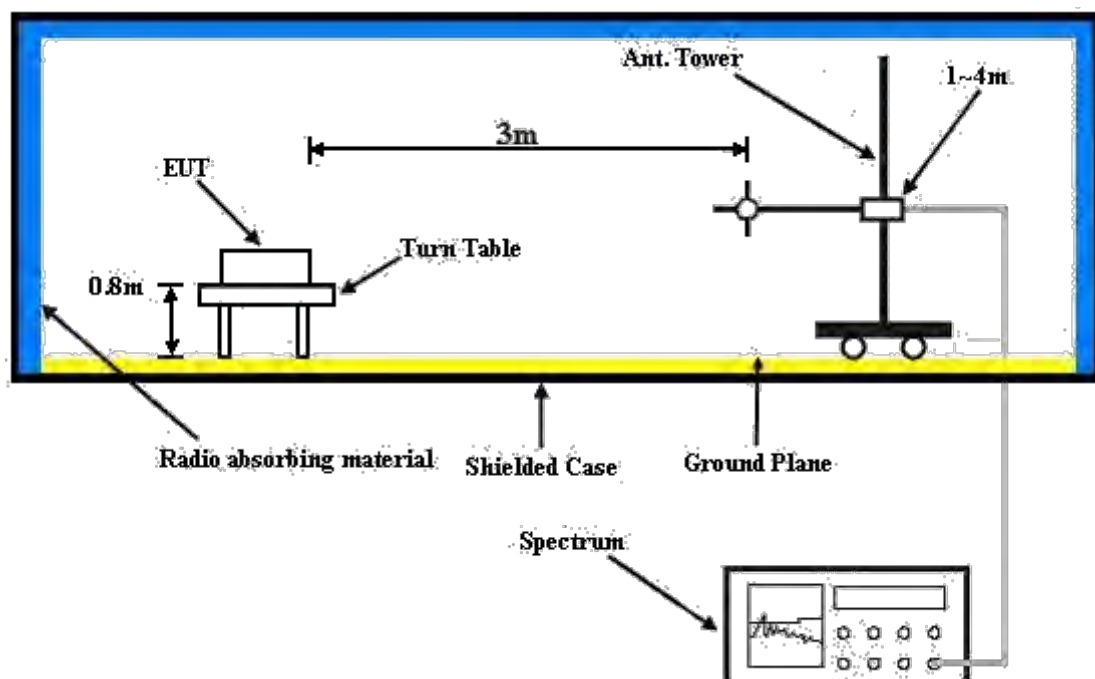
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- 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.
- EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- 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.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



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

4.7.5 Test Results

GPRS:

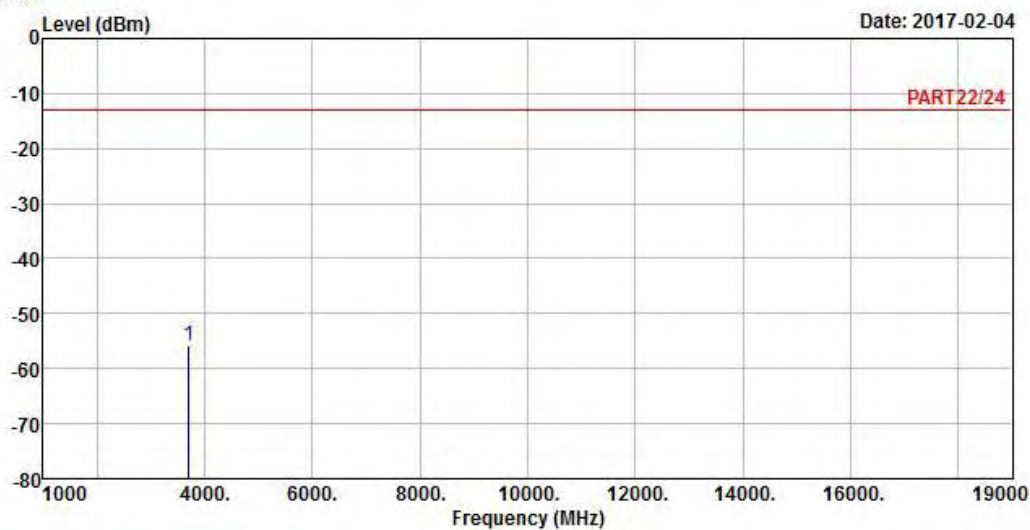
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : GPRS 1900_L-CH

Tested by: Toby Tian

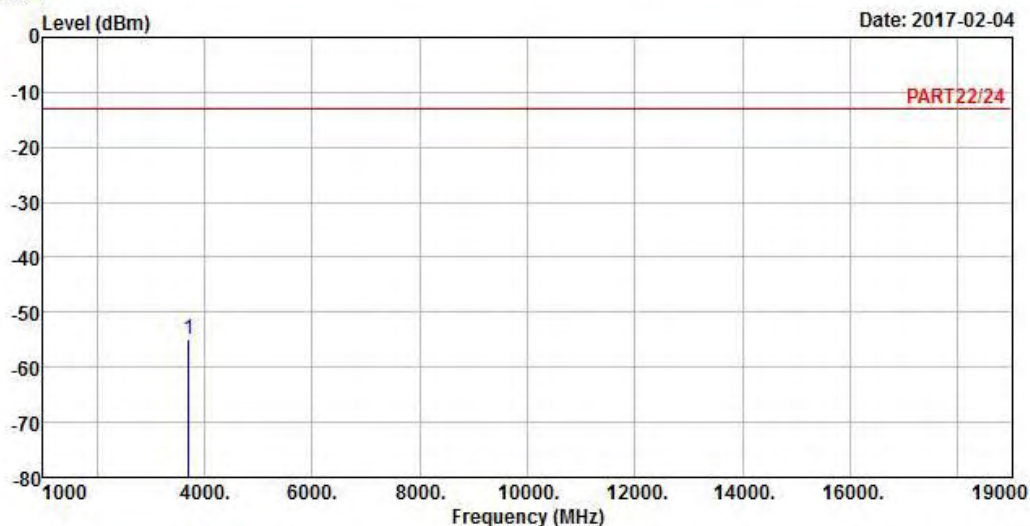
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3700.40	-55.78	-47.61	-13.00	-42.78	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : GPRS 1900_L-CH
 Tested by: Toby Tian

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3700.40	-54.94	-46.77	-13.00	-41.94	-8.17	Peak

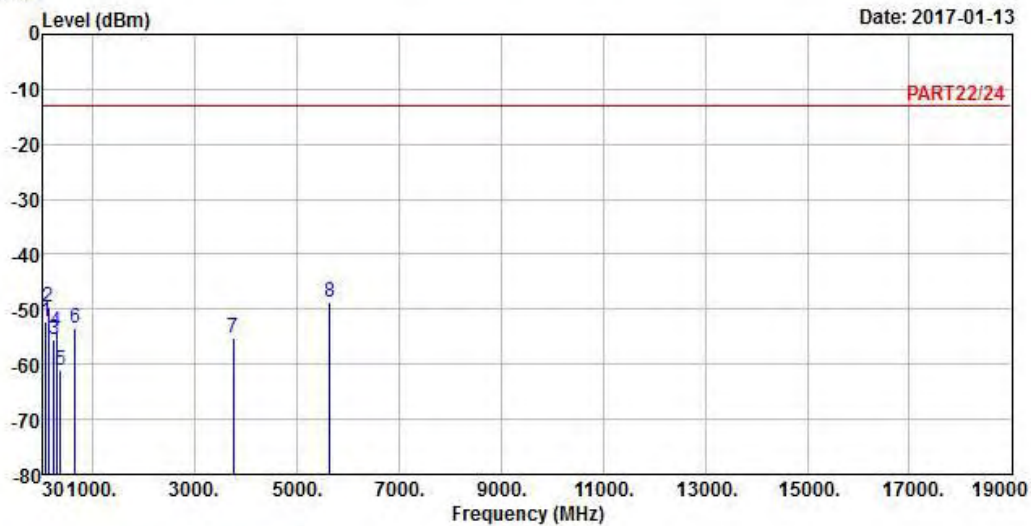
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : GPRS 1900_M-CH
Tested by: Toby Tian

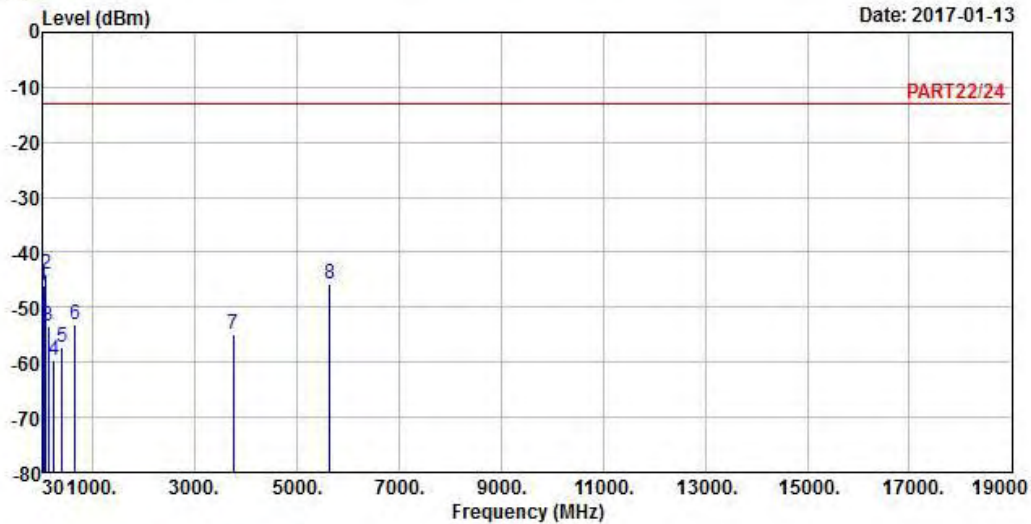
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	78.50	-52.36	-41.93	-13.00	-39.36	-10.43	Peak
2	127.97	-49.67	-40.75	-13.00	-36.67	-8.92	Peak
3	233.70	-55.62	-48.96	-13.00	-42.62	-6.66	Peak
4	292.87	-53.88	-47.01	-13.00	-40.88	-6.87	Peak
5	360.77	-61.23	-55.05	-13.00	-48.23	-6.18	Peak
6	647.89	-53.40	-52.52	-13.00	-40.40	-0.88	Peak
7	3760.00	-55.11	-47.05	-13.00	-42.11	-8.06	Peak
8 pp	5640.00	-48.84	-46.90	-13.00	-35.84	-1.94	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : GPRS 1900_M-CH
Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	33.88	-46.09	-44.51	-13.00	-33.09	-1.58	Peak
2 pp	79.47	-44.01	-33.35	-13.00	-31.01	-10.66	Peak
3	127.97	-53.36	-44.44	-13.00	-40.36	-8.92	Peak
4	233.70	-59.51	-52.85	-13.00	-46.51	-6.66	Peak
5	408.30	-57.30	-51.42	-13.00	-44.30	-5.88	Peak
6	648.86	-53.12	-52.24	-13.00	-40.12	-0.88	Peak
7	3760.00	-55.04	-46.98	-13.00	-42.04	-8.06	Peak
8	5640.00	-45.81	-43.87	-13.00	-32.81	-1.94	Peak

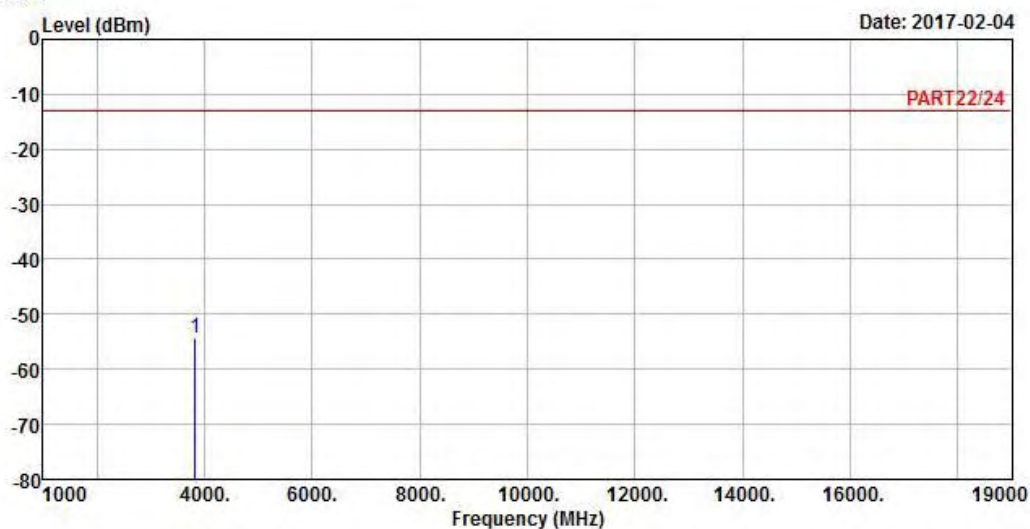
High Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : GPRS 1900_H-CH
Tested by: Toby Tian

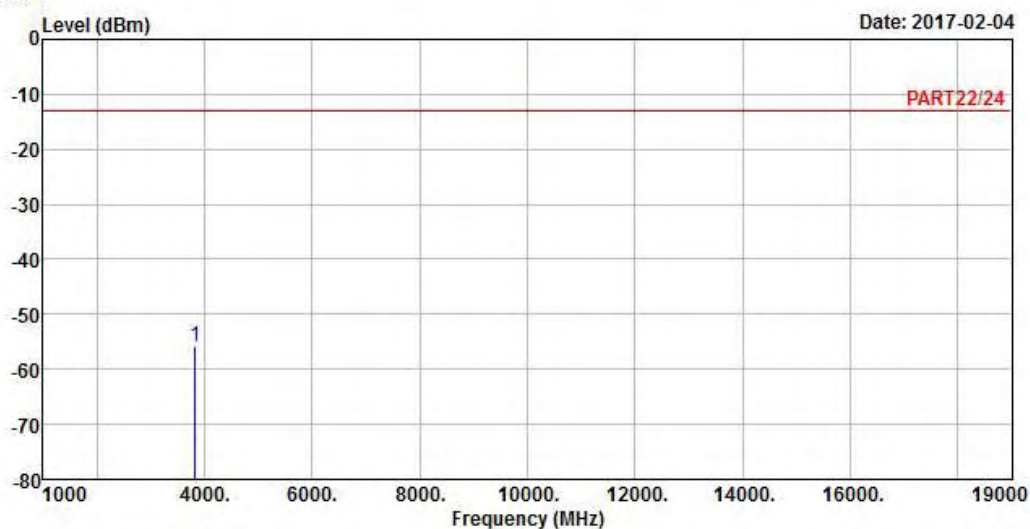
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3819.60	-54.25	-46.57	-13.00	-41.25	-7.68	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : GPRS 1900_H-CH
 Tested by: Toby Tian

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3819.60	-55.77	-48.09	-13.00	-42.77	-7.68	Peak

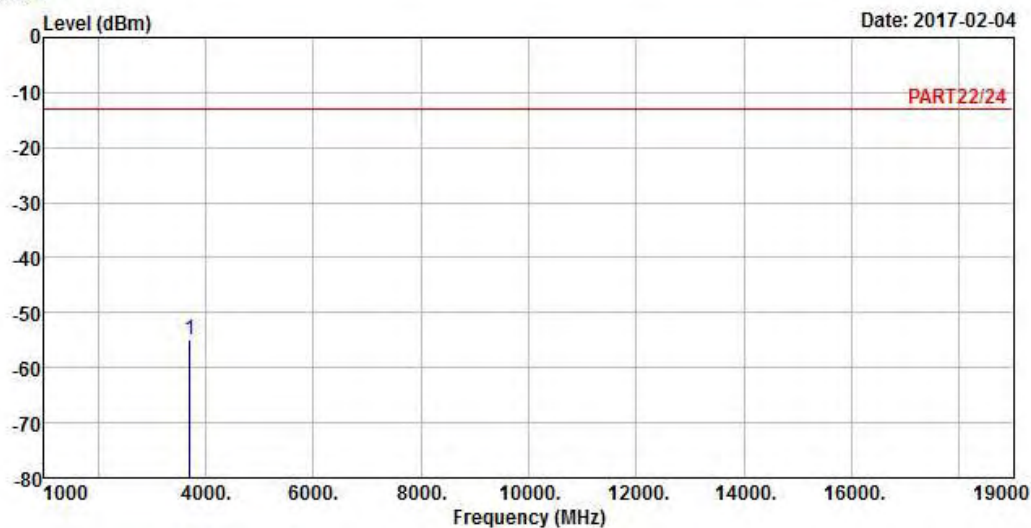
EDGE:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : EDGE 1900_L-CH
Tested by: Toby Tian

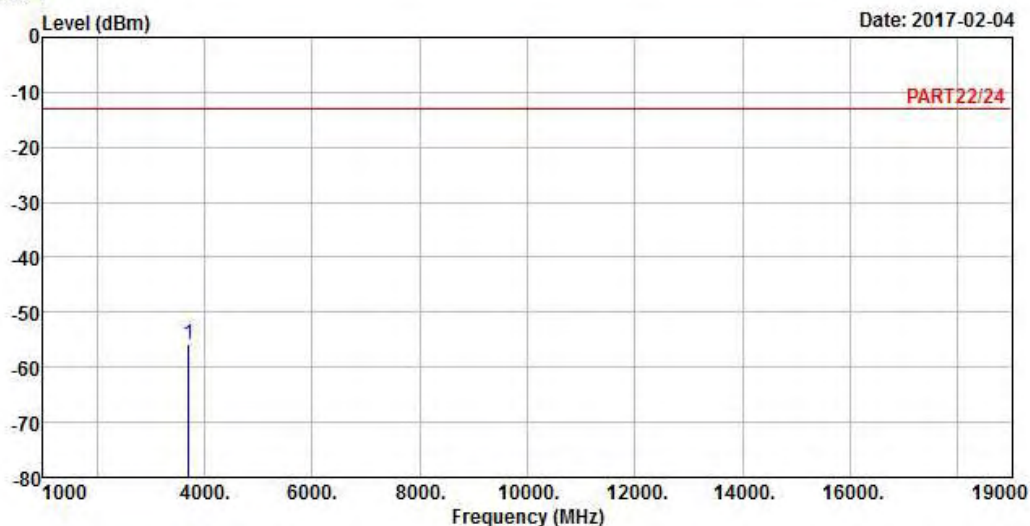
Freq	Level	Read	Limit	Over		
MHz	dBm	Level	Line	Limit	Factor	Remark
		dBm	dBm	dB	dB	
1 pp 3700.40	-54.81	-46.64	-13.00	-41.81	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : EDGE 1900_L-CH
Tested by: Toby Tian

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3700.40	-55.86	-47.69	-13.00	-42.86	-8.17	Peak

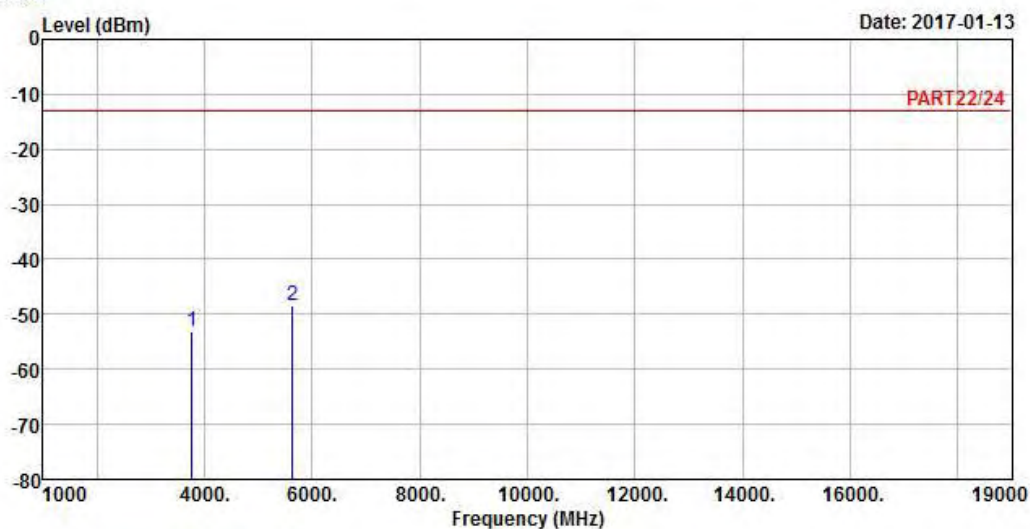
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : EDGE 1900_M-CH

Tested by: Toby Tian

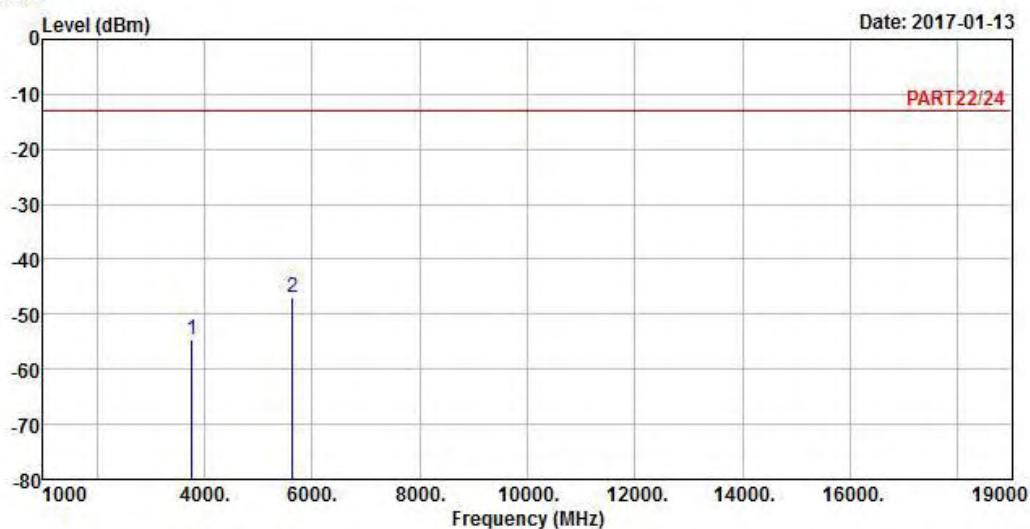
	Freq	Level	Read	Limit	Over		
	MHz	dBm	Level	Line	Limit	Factor	Remark
			dBm	dBm	dB	dB	
1	3760.00	-53.22	-45.16	-13.00	-40.22	-8.06	Peak
2 pp	5640.00	-48.30	-46.36	-13.00	-35.30	-1.94	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : EDGE 1900_M-CH
Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-54.64	-46.58	-13.00	-41.64	-8.06	Peak
2 pp	5640.00	-46.89	-44.95	-13.00	-33.89	-1.94	Peak

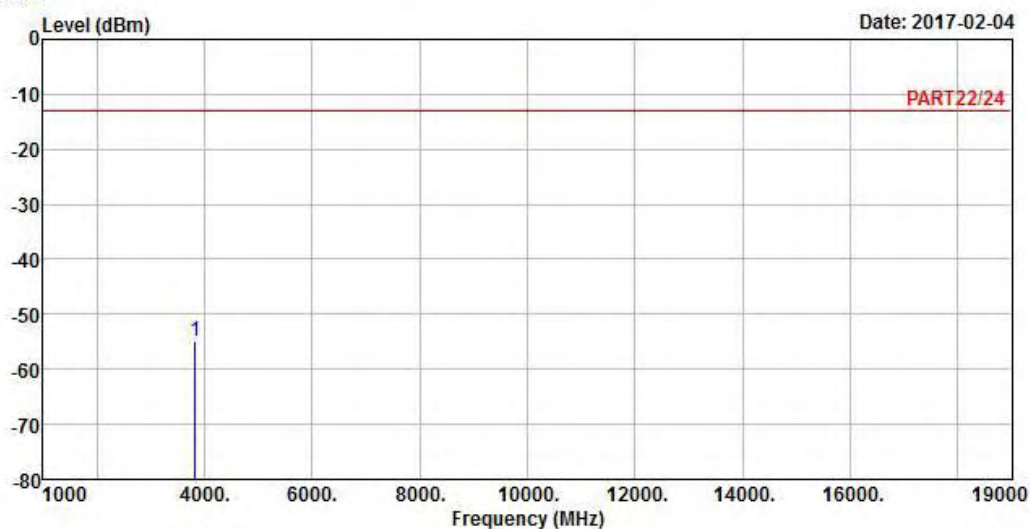
High Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : EDGE 1900_H-CH
Tested by: Toby Tian

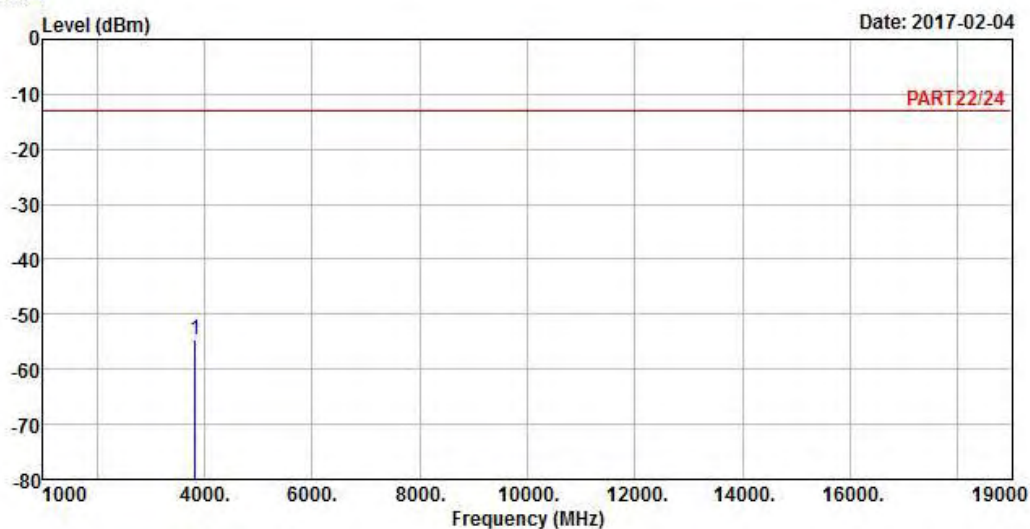
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3819.60	-54.93	-47.25	-13.00	-41.93	-7.68	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : EDGE 1900_H-CH
Tested by: Toby Tian

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3819.60	-54.75	-47.07	-13.00	-41.75	-7.68	Peak

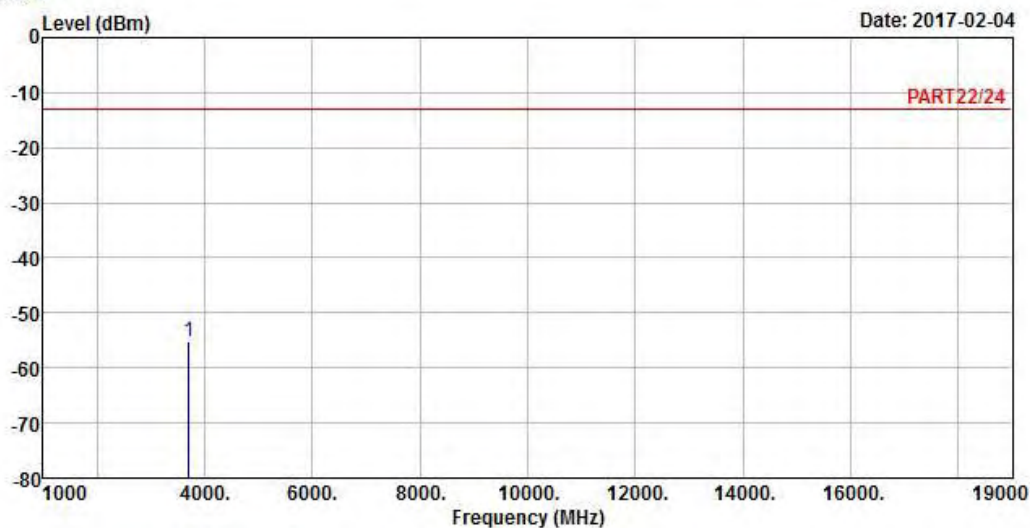
WCDMA:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : WCDMA Bamd II_L-CH
Tested by: Toby Tian

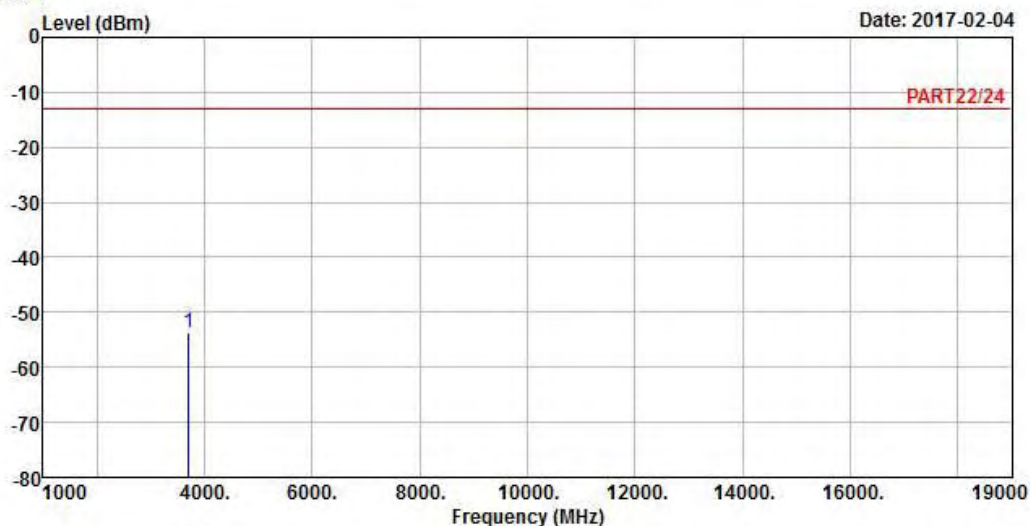
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3704.80	-55.15	-46.98	-13.00	-42.15	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : WCDMA Band II_L-CH

Tested by: Toby Tian

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3704.80	-53.59	-45.42	-13.00	-40.59	-8.17	Peak

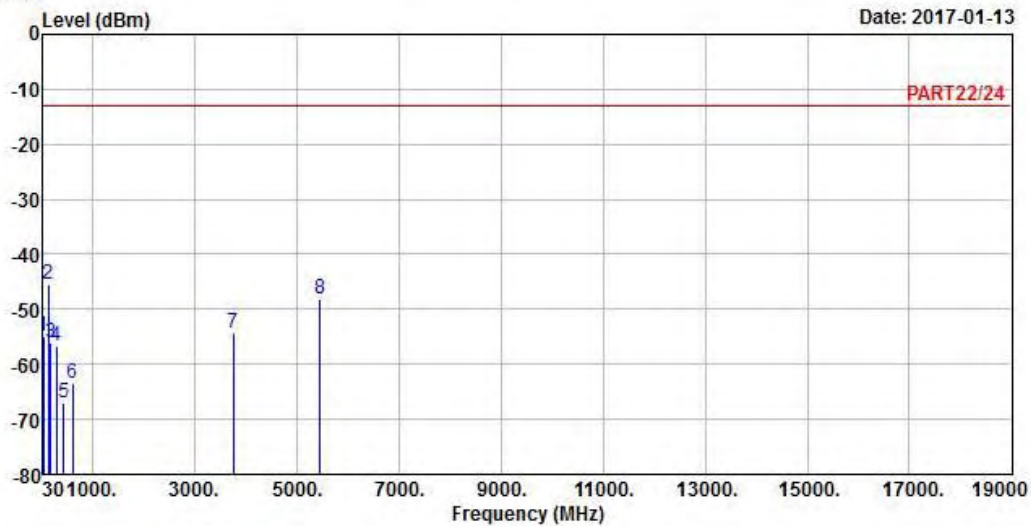
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remak : WCDMA Band II_M-CH
 Tested by: Toby Tian

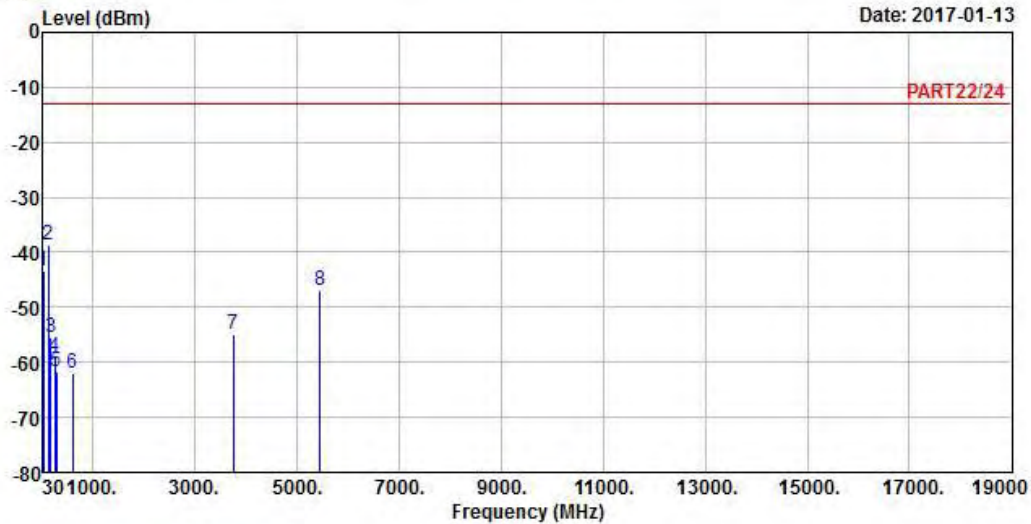
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	36.79	-54.97	-53.98	-13.00	-41.97	-0.99	Peak
2 pp	127.00	-45.36	-36.32	-13.00	-32.36	-9.04	Peak
3	182.29	-56.12	-48.78	-13.00	-43.12	-7.34	Peak
4	292.87	-56.75	-49.88	-13.00	-43.75	-6.87	Peak
5	436.43	-66.97	-61.31	-13.00	-53.97	-5.66	Peak
6	600.36	-63.55	-62.80	-13.00	-50.55	-0.75	Peak
7	3760.00	-54.45	-46.39	-13.00	-41.45	-8.06	Peak
8	5460.00	-47.98	-46.55	-13.00	-34.98	-1.43	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : WCDMA Band II_M-CH
Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	35.82	-43.51	-41.98	-13.00	-30.51	-1.53	Peak
2 pp	127.97	-38.77	-29.85	-13.00	-25.77	-8.92	Peak
3	182.29	-55.55	-48.21	-13.00	-42.55	-7.34	Peak
4	256.98	-59.08	-52.95	-13.00	-46.08	-6.13	Peak
5	294.81	-61.70	-54.79	-13.00	-48.70	-6.91	Peak
6	600.36	-61.92	-61.17	-13.00	-48.92	-0.75	Peak
7	3760.00	-54.90	-46.84	-13.00	-41.90	-8.06	Peak
8	5460.00	-46.95	-45.52	-13.00	-33.95	-1.43	Peak

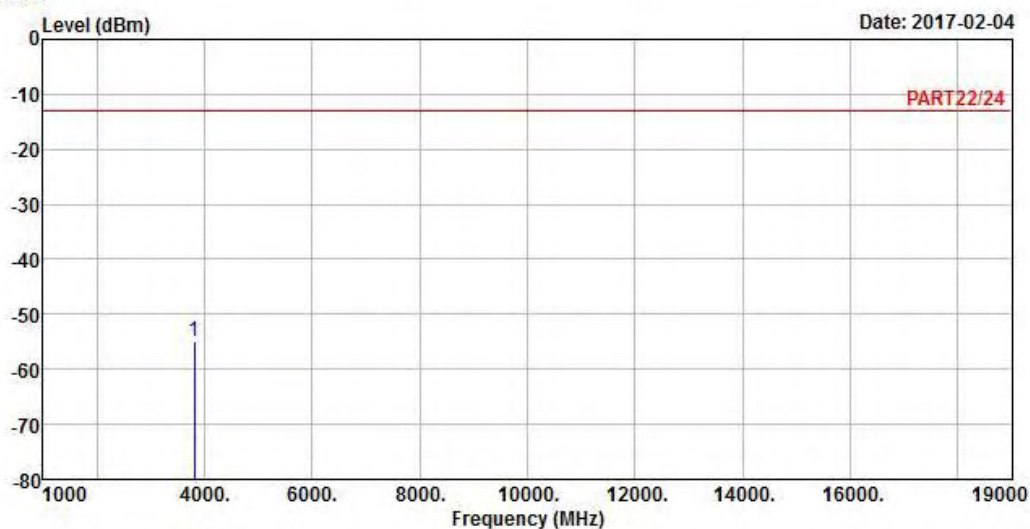
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remak : WCDMA Bamd II_H-CH
 Tested by: Toby Tian

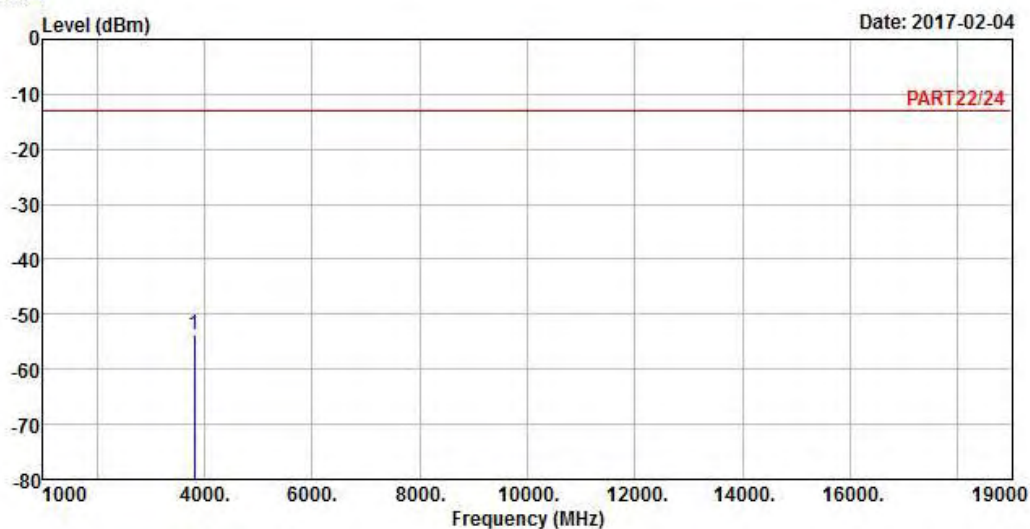
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3815.20	-54.91	-47.13	-13.00	-41.91	-7.78	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : WCDMA Band II_H-CH
 Tested by: Toby Tian

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3815.20	-53.86	-46.08	-13.00	-40.86	-7.78	Peak

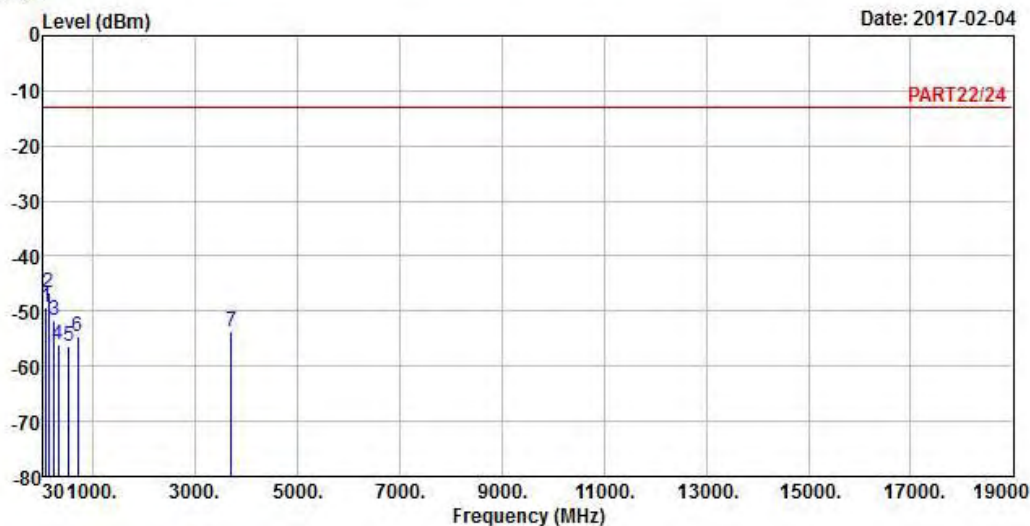
CDMA:
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : CDMA BC1_L-CH
Tested by: Toby Tian

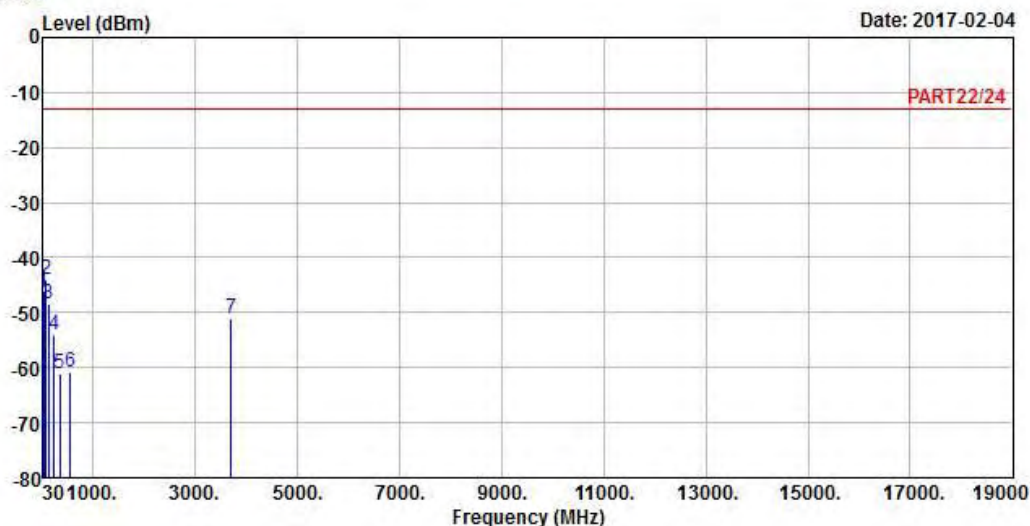
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	78.50	-49.36	-38.93	-13.00	-36.36	-10.43	Peak
2 pp	127.00	-46.53	-37.49	-13.00	-33.53	-9.04	Peak
3	233.70	-51.62	-44.96	-13.00	-38.62	-6.66	Peak
4	314.21	-55.99	-49.20	-13.00	-42.99	-6.79	Peak
5	533.43	-56.37	-52.93	-13.00	-43.37	-3.44	Peak
6	705.12	-54.50	-54.50	-13.00	-41.50	0.00	Peak
7	3702.50	-53.85	-45.68	-13.00	-40.85	-8.17	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : CDMA BC1_L-CH
 Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	33.88	-46.09	-44.51	-13.00	-33.09	-1.58	Peak
2 pp	79.47	-44.01	-33.35	-13.00	-31.01	-10.66	Peak
3	127.97	-48.36	-39.44	-13.00	-35.36	-8.92	Peak
4	237.58	-53.97	-47.47	-13.00	-40.97	-6.50	Peak
5	359.80	-61.05	-54.87	-13.00	-48.05	-6.18	Peak
6	552.83	-60.79	-58.06	-13.00	-47.79	-2.73	Peak
7	3702.50	-50.98	-42.81	-13.00	-37.98	-8.17	Peak

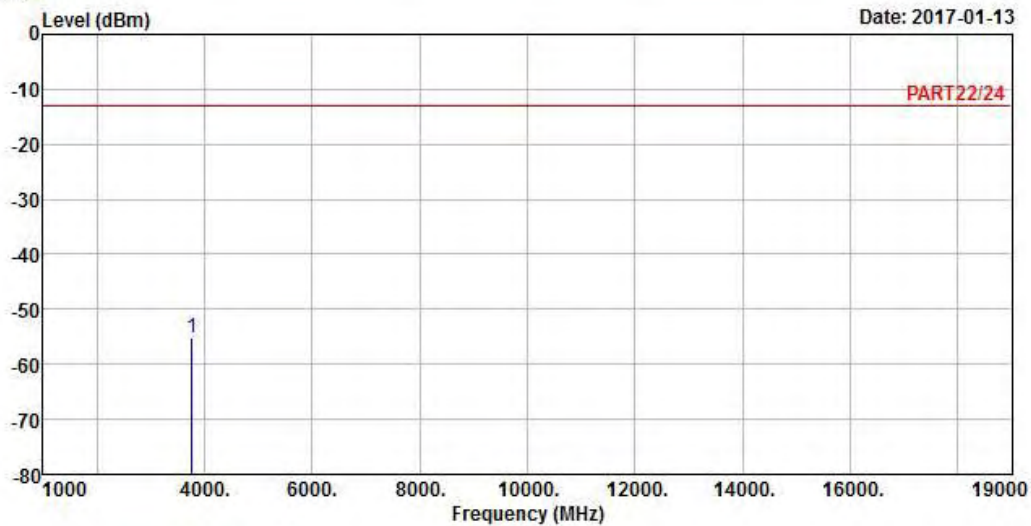
Middle Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : CDMA BC1_M-CH

Tested by: Toby Tian

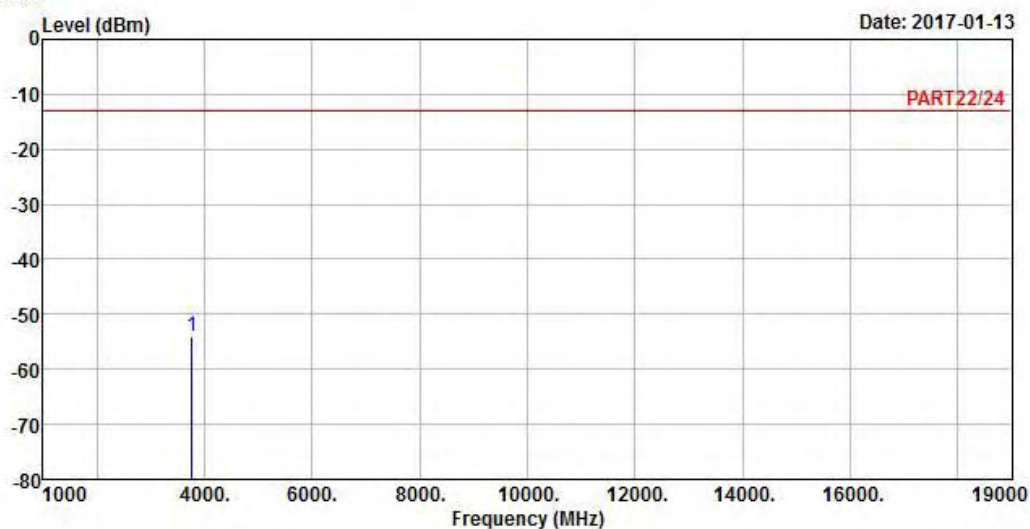
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3760.00	-55.24	-47.18	-13.00	-42.24	-8.06	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : CDMA BC1_M-CH
 Tested by: Toby Tian

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3760.00	-53.92	-45.86	-13.00	-40.92	-8.06	Peak

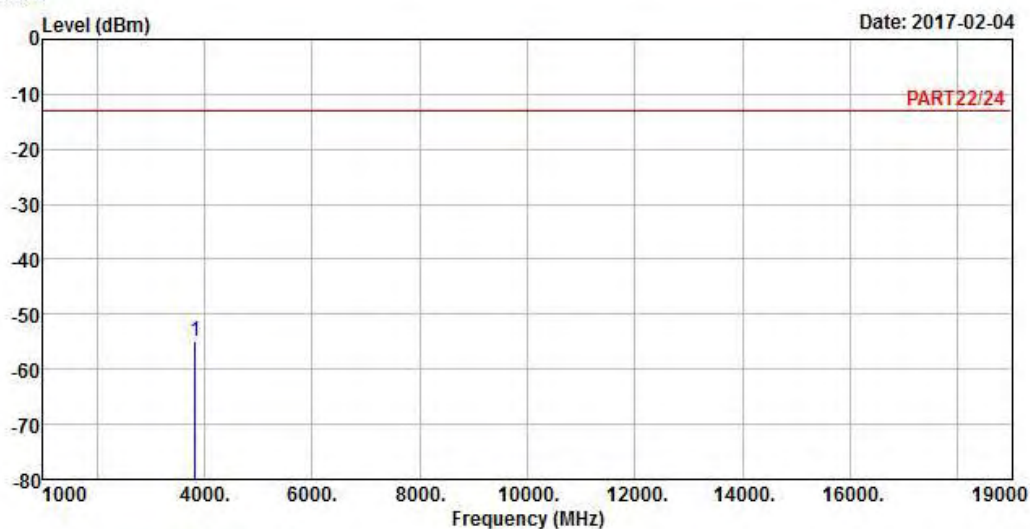
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remak : CDMA BC1_H-CH
 Tested by: Toby Tian

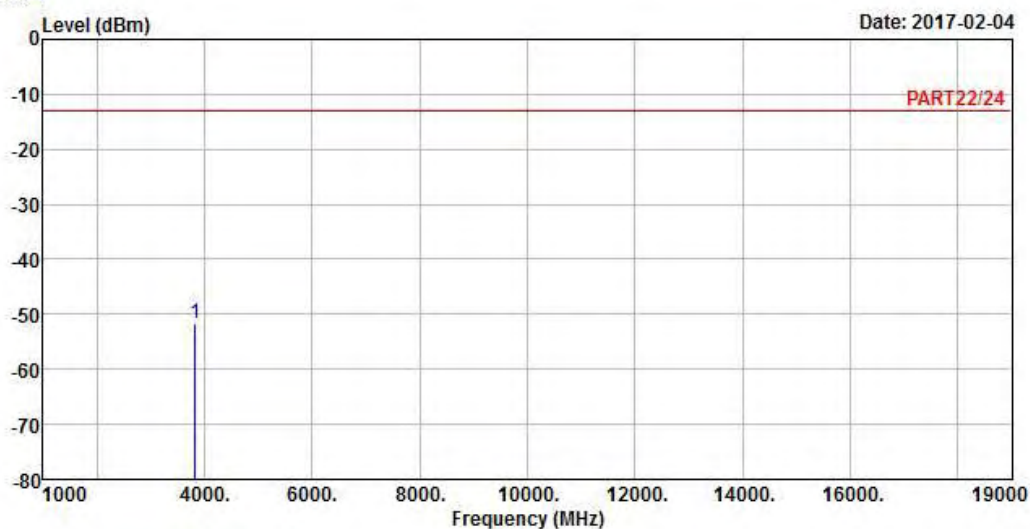
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3817.50	-55.03	-47.35	-13.00	-42.03	-7.68	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : CDMA BC1_H-CH
Tested by: Toby Tian

			Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark	
MHz	dBm	dBm	dBm	dB	dB		
1 pp 3817.50	-51.67	-43.99	-13.00	-38.67	-7.68	Peak	

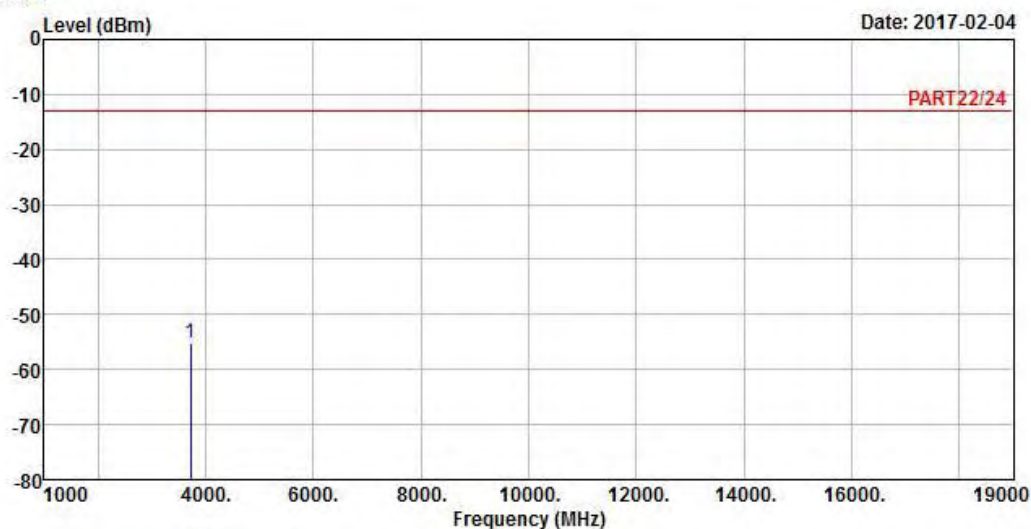
LTE Band 2
Channel Bandwidth: 20 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : LTE Band II_QPSK_20M_L-CH
Tested by: Toby Tian

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3720.00	-55.21	-47.08	-13.00	-42.21	-8.13	Peak

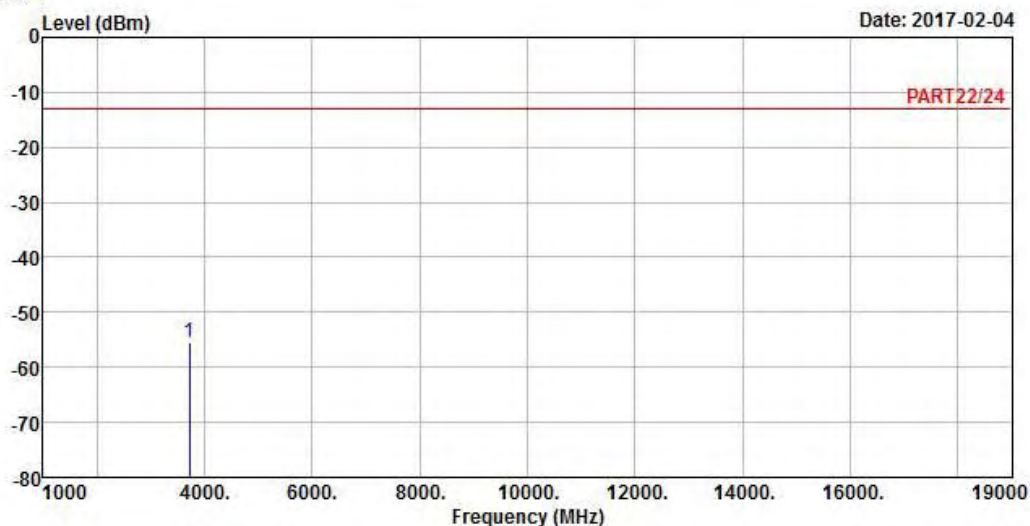


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4

Date: 2017-02-04



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band II_QPSK_20M_L-CH

Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3720.00	-55.60	-47.47	-13.00	-42.60	-8.13	Peak

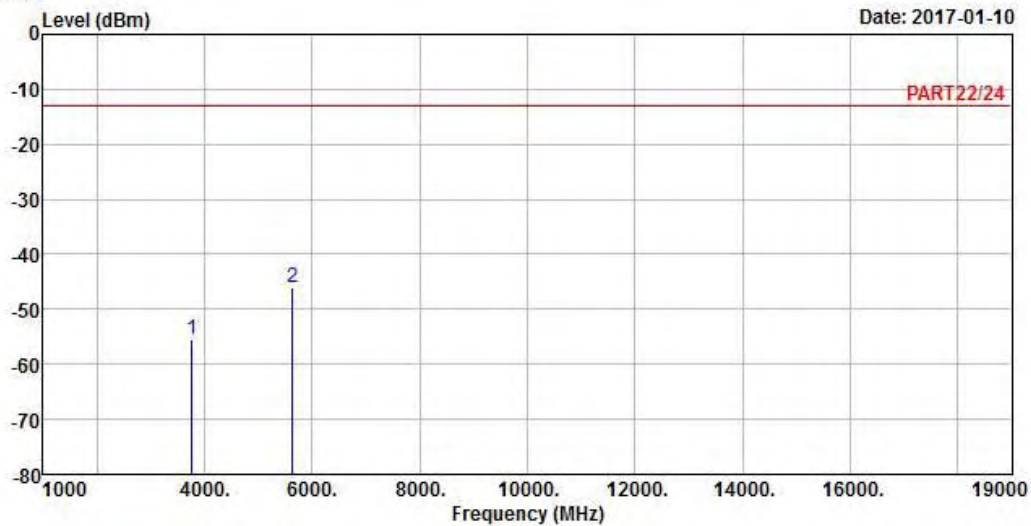
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band II_QPSK_20M_M-CH

Tested by: Toby Tian

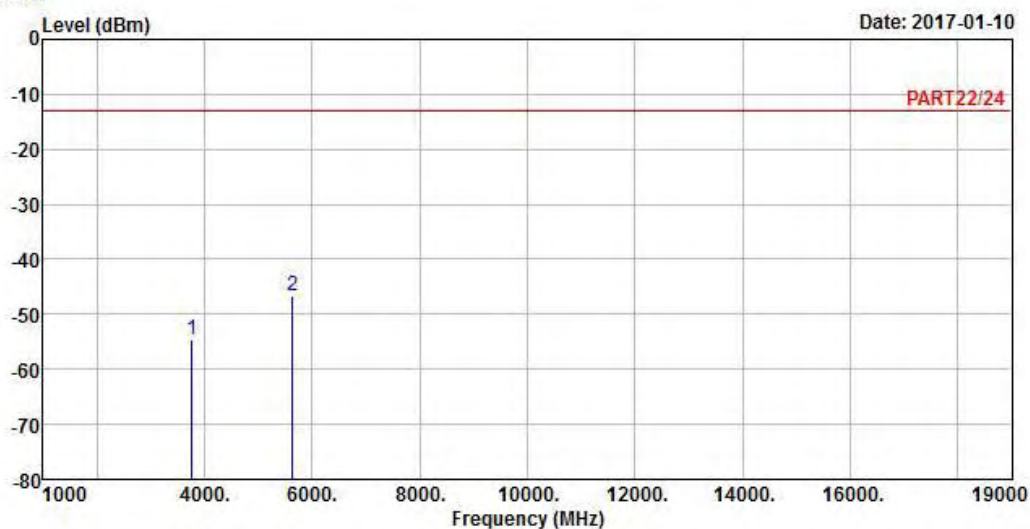
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-55.38	-47.32	-13.00	-42.38	-8.06	Peak
2 pp	5640.00	-46.06	-44.12	-13.00	-33.06	-1.94	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : LTE Band II_QPSK_20M_M-CH
 Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-54.74	-46.68	-13.00	-41.74	-8.06	Peak
2 pp	5640.00	-46.58	-44.64	-13.00	-33.58	-1.94	Peak

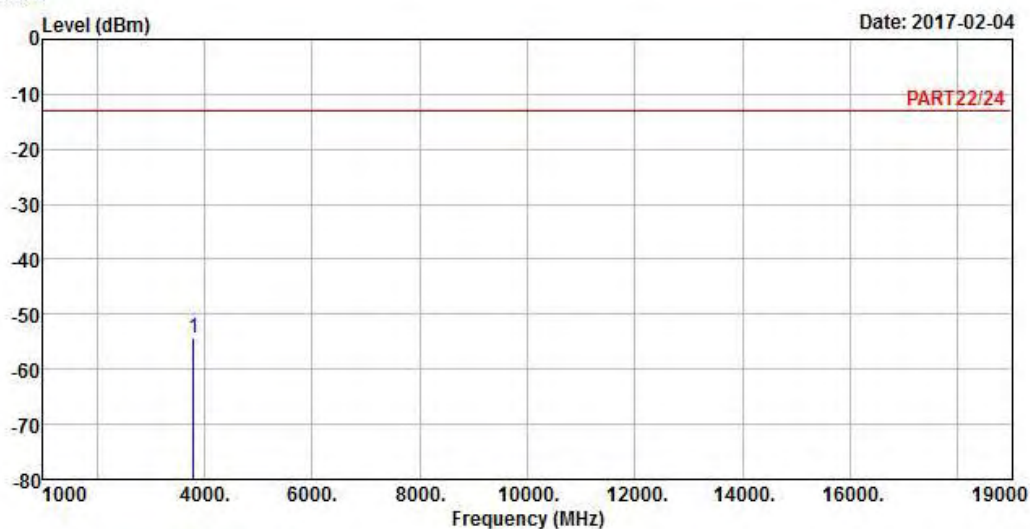
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remak : LTE Band II_QPSK_20M_H-CH
 Tested by: Toby Tian

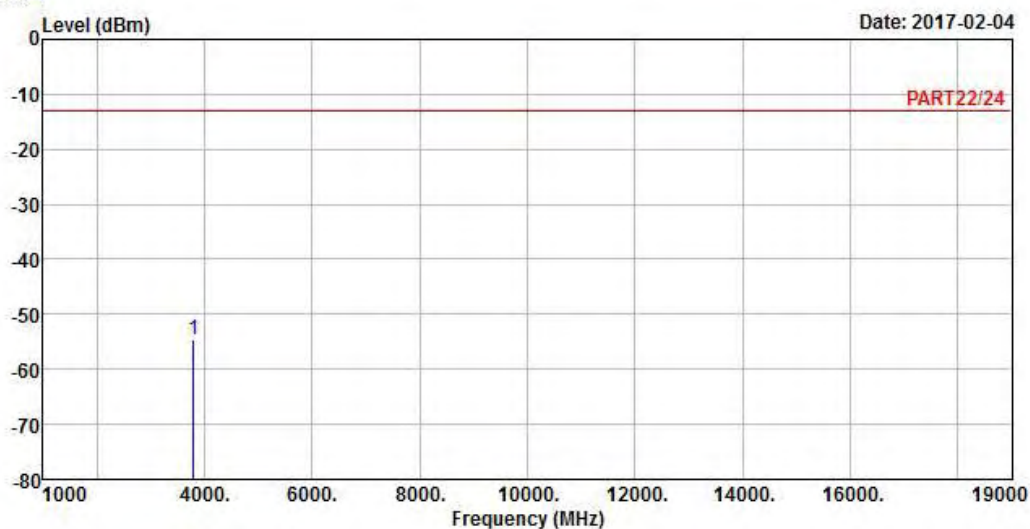
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3800.00	-54.23	-46.45	-13.00	-41.23	-7.78	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : LTE Band II_QPSK_20M_H-CH
 Tested by: Toby Tian

			Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark	
MHz	dBm	dBm	dBm	dB	dB		
1 pp 3800.00	-54.72	-46.94	-13.00	-41.72	-7.78	Peak	

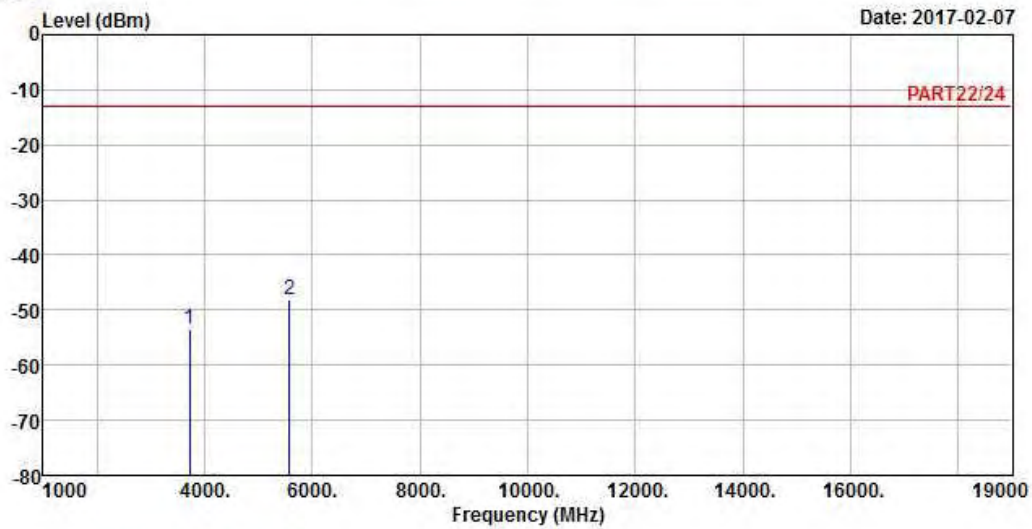
LTE Band 25
Channel Bandwidth: 20 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : LTE Band 25_QPSK_20M_L_CH Link
Tested by: Toby Tian

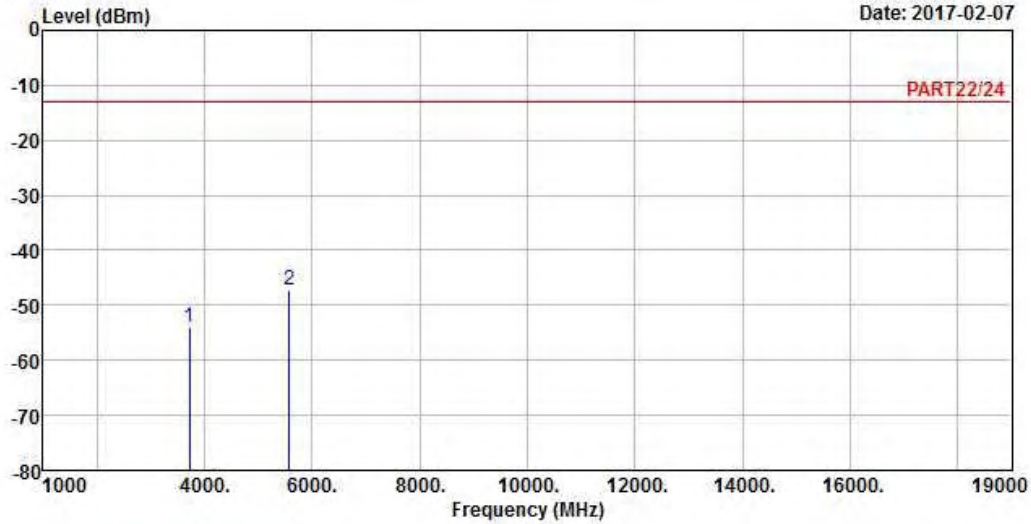
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3720.00	-53.33	-45.20	-13.00	-40.33	-8.13	Peak
2 pp	5580.00	-48.12	-46.57	-13.00	-35.12	-1.55	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
Condition: PART22/24 VERTICAL
Remak : LTE Band 25_QPSK_20M_L_CH Link
Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3720.00	-53.98	-45.85	-13.00	-40.98	-8.13	Peak
2 pp	5580.00	-47.09	-45.54	-13.00	-34.09	-1.55	Peak

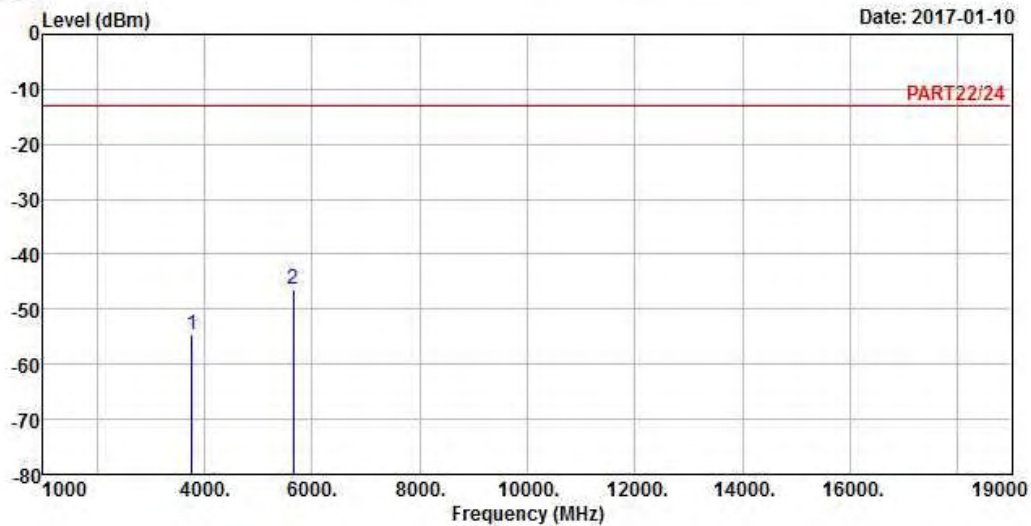
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 25_QPSK_20M_M_CH

Tested by: Toby Tian

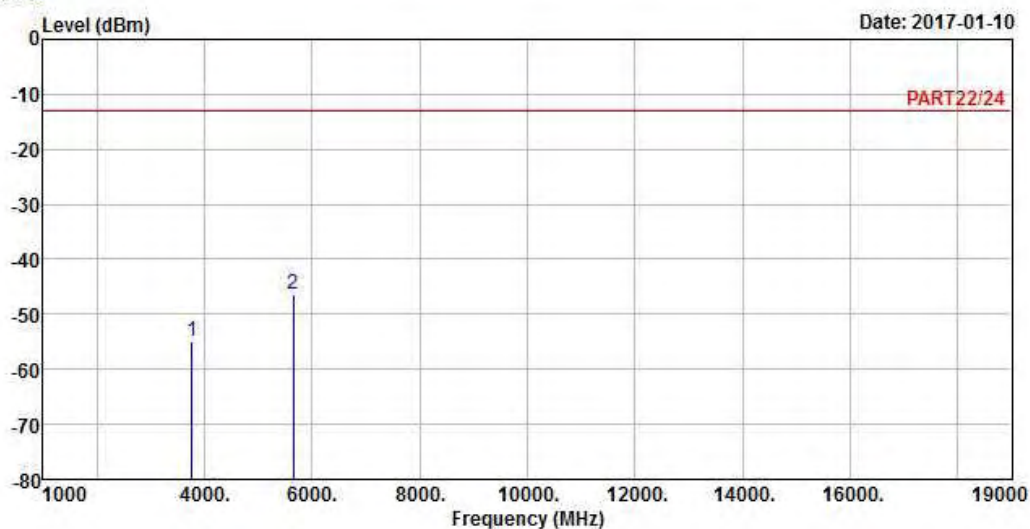
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3765.00	-54.64	-46.67	-13.00	-41.64	-7.97	Peak
2 pp	5647.50	-46.20	-44.26	-13.00	-33.20	-1.94	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remak : LTE Band 25_QPSK_20M_M_CH
 Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3765.00	-54.83	-46.86	-13.00	-41.83	-7.97	Peak
2 pp	5647.50	-46.48	-44.54	-13.00	-33.48	-1.94	Peak

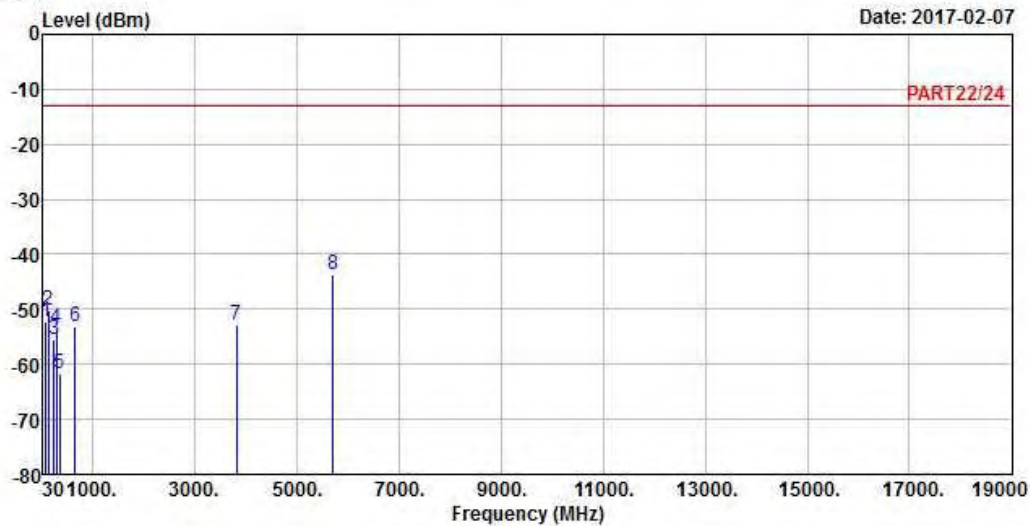
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remak : LTE Band 25_QPSK_20M_H_CH Link
 Tested by: Toby Tian

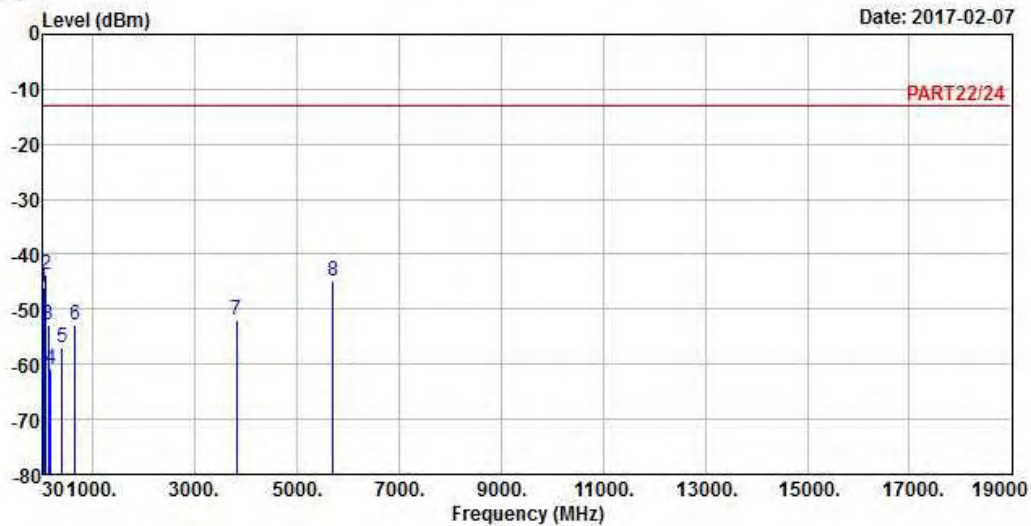
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	79.47	-52.37	-41.71	-13.00	-39.37	-10.66	Peak
2	128.94	-50.19	-41.38	-13.00	-37.19	-8.81	Peak
3	235.64	-55.60	-49.02	-13.00	-42.60	-6.58	Peak
4	291.90	-53.48	-46.63	-13.00	-40.48	-6.85	Peak
5	359.80	-61.66	-55.48	-13.00	-48.66	-6.18	Peak
6	648.86	-53.26	-52.38	-13.00	-40.26	-0.88	Peak
7	3810.00	-52.90	-45.12	-13.00	-39.90	-7.78	Peak
8 pp	5715.00	-43.79	-42.03	-13.00	-30.79	-1.76	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 25_QPSK_20M_H_CH Link
Tested by: Toby Tian

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	34.85	-46.01	-43.94	-13.00	-33.01	-2.07	Peak
2 pp	80.44	-43.83	-32.95	-13.00	-30.83	-10.88	Peak
3	127.97	-52.74	-43.82	-13.00	-39.74	-8.92	Peak
4	179.38	-60.94	-53.71	-13.00	-47.94	-7.23	Peak
5	408.30	-56.97	-51.09	-13.00	-43.97	-5.88	Peak
6	647.89	-52.91	-52.03	-13.00	-39.91	-0.88	Peak
7	3810.00	-51.89	-44.11	-13.00	-38.89	-7.78	Peak
8	5715.00	-44.80	-43.04	-13.00	-31.80	-1.76	Peak

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on 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 accredited and approved according to ISO/IEC 17025.

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

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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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