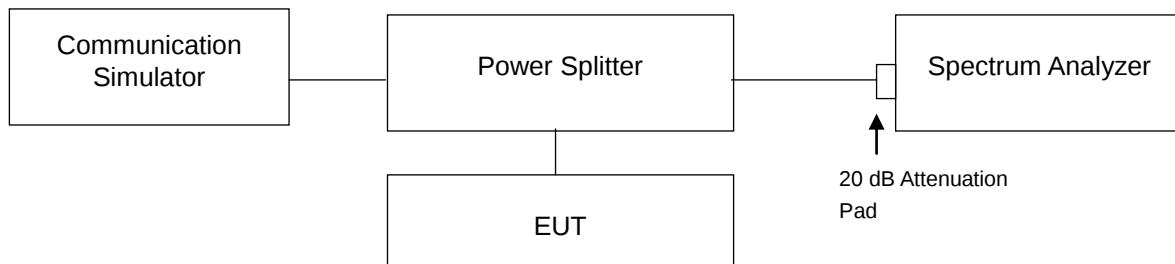


4.6 Conducted Spurious Emissions

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



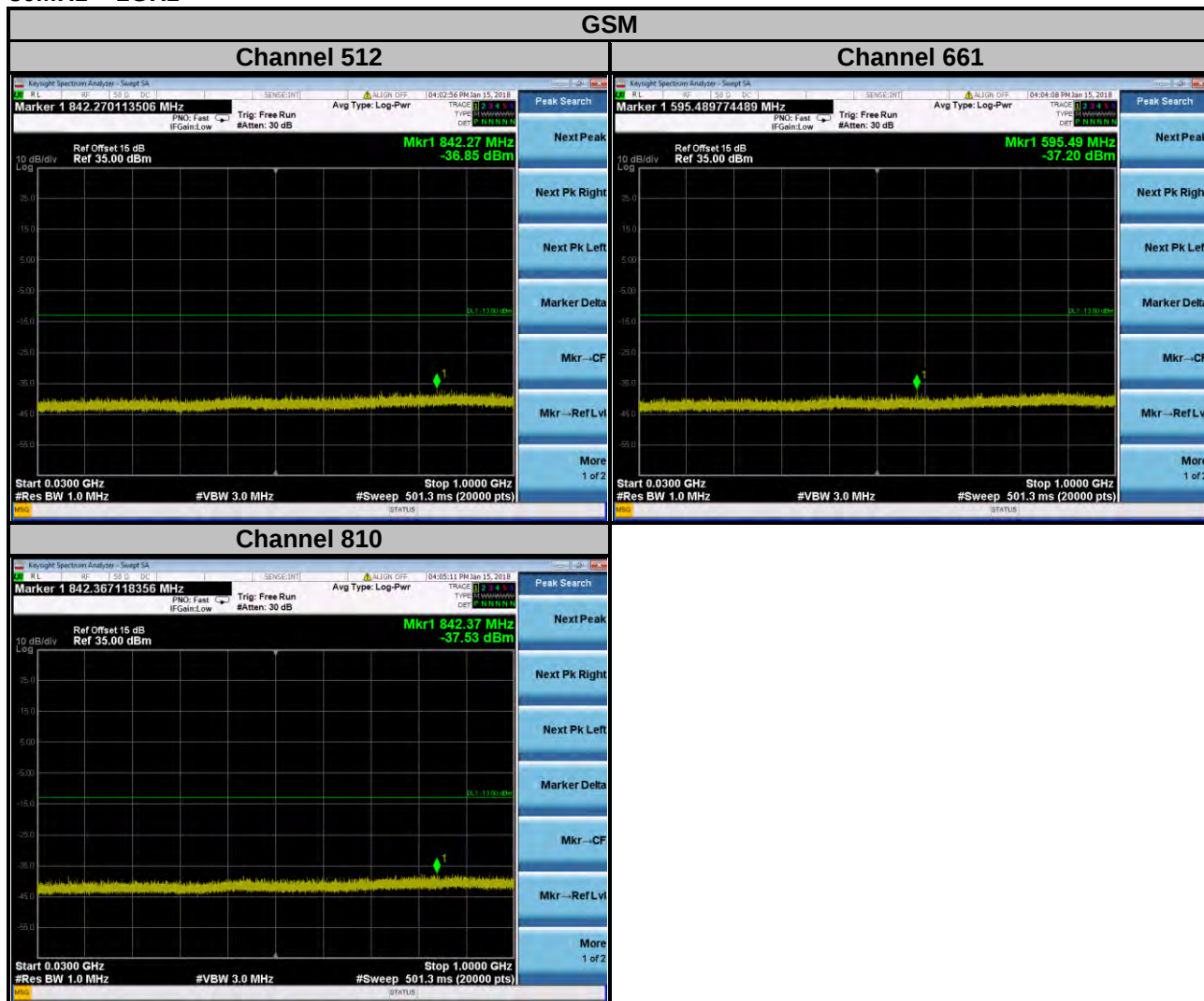
4.6.3 Test Procedure

- 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 = 100 kHz and VBW = 300 kHz is used for conducted emission measurement.

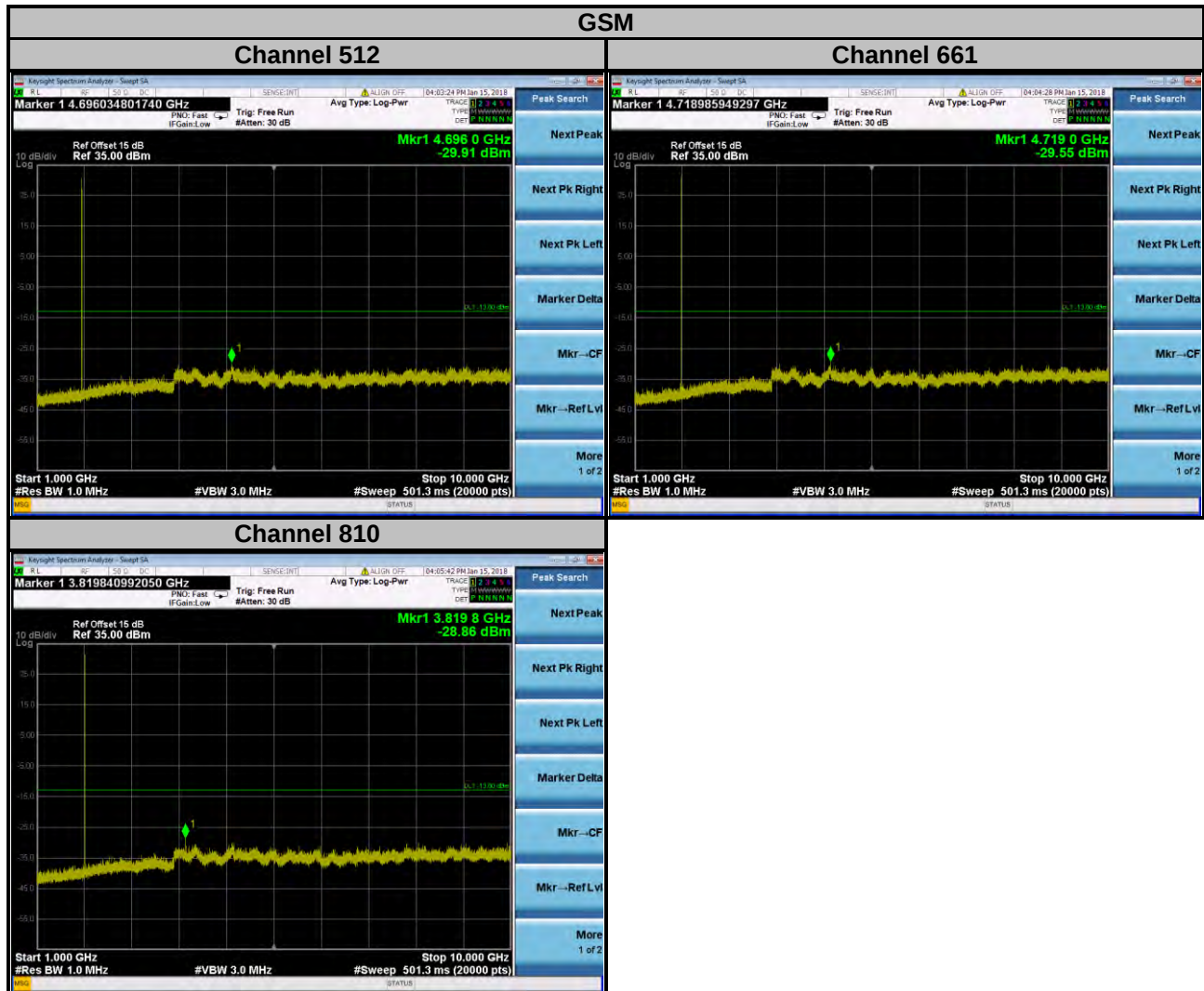
4.6.4 Test Results

GSM

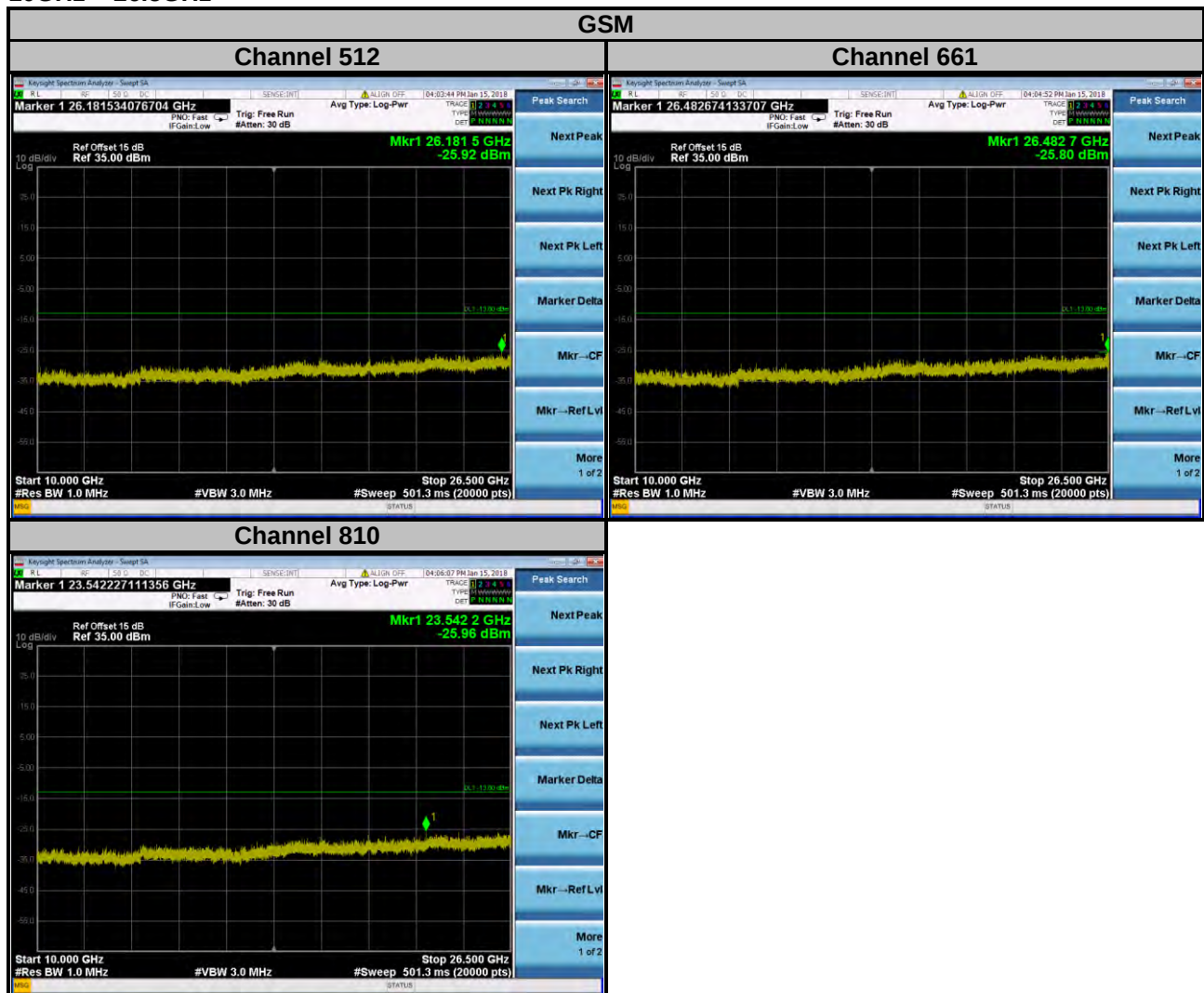
30MHz ~ 1GHz



1GHz ~ 10GHz



10GHz ~ 26.5GHz

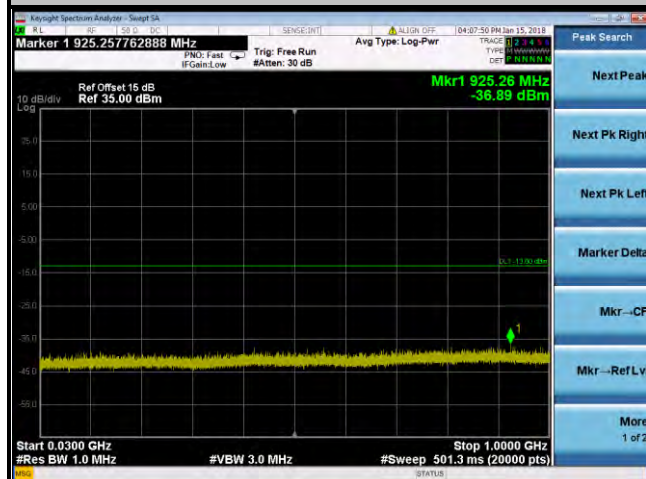


EDGE

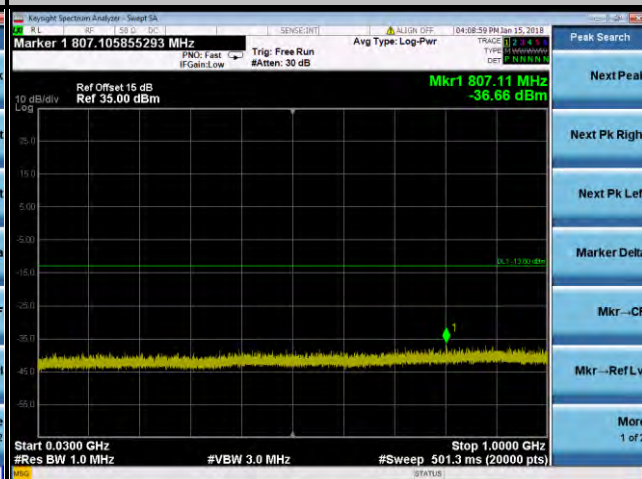
30MHz ~ 1GHz

EDGE

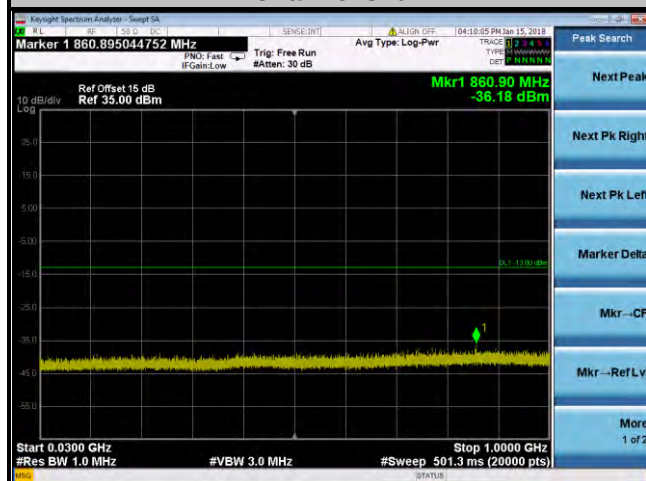
Channel 512



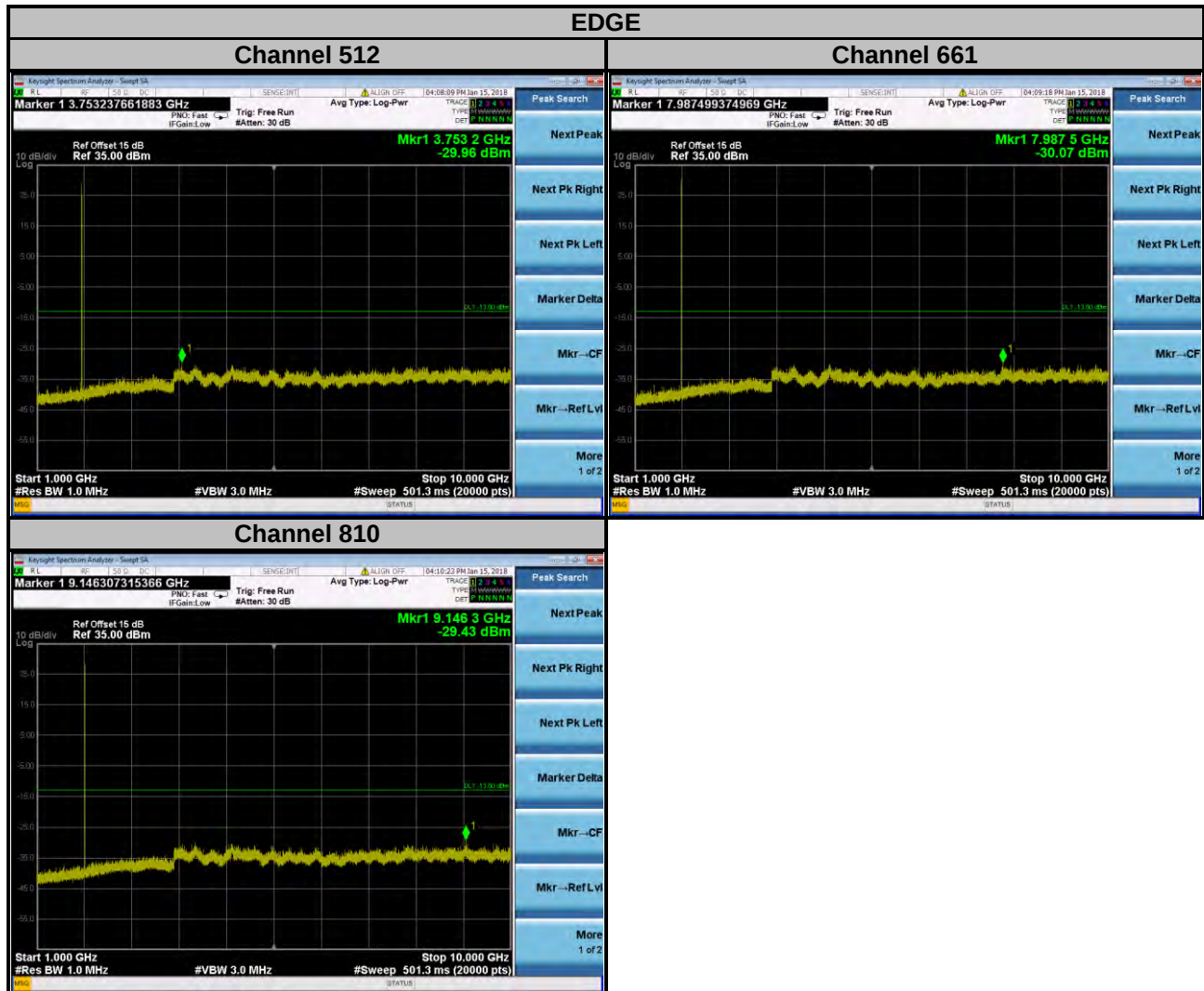
Channel 661



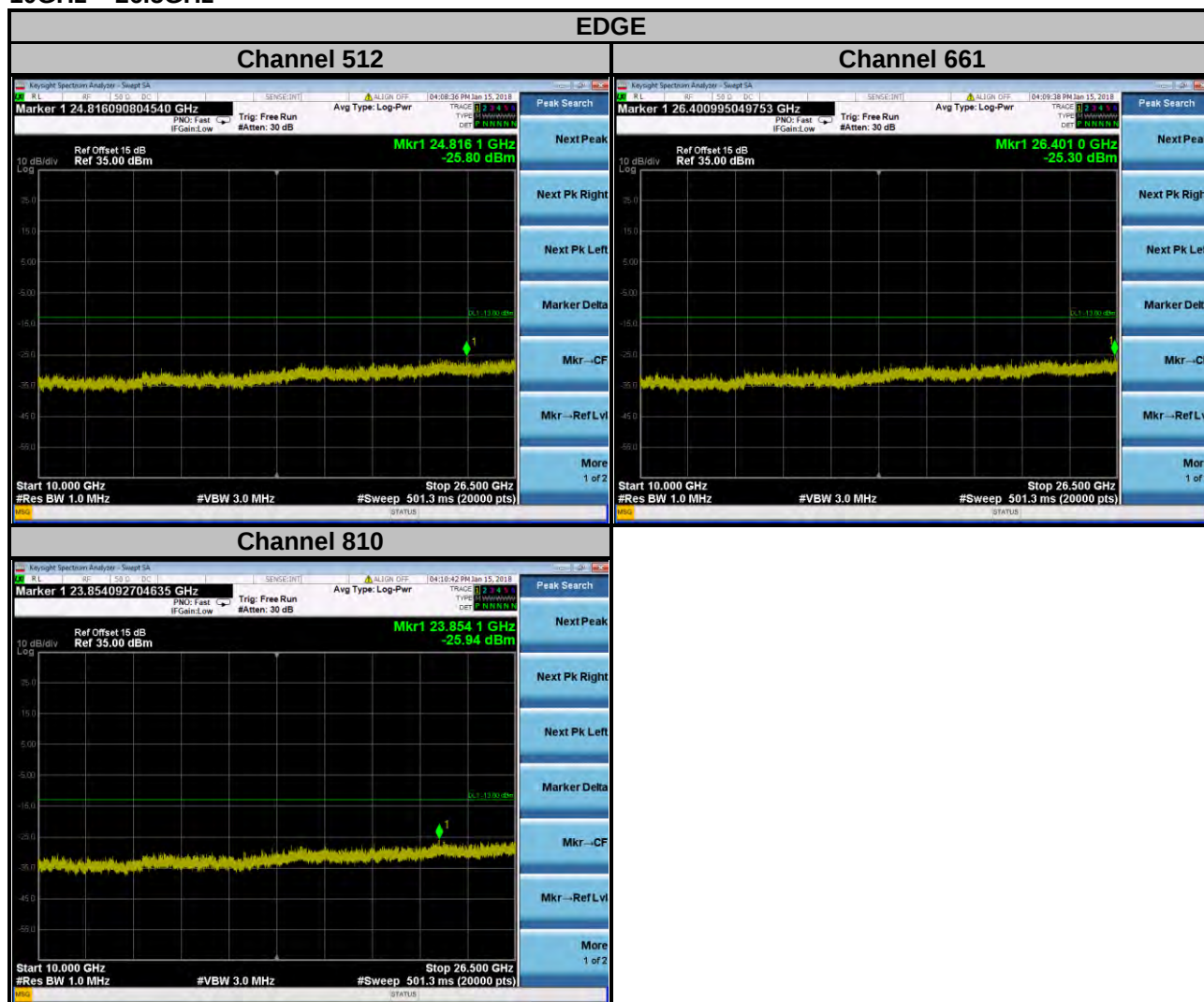
Channel 810



1GHz ~ 10GHz

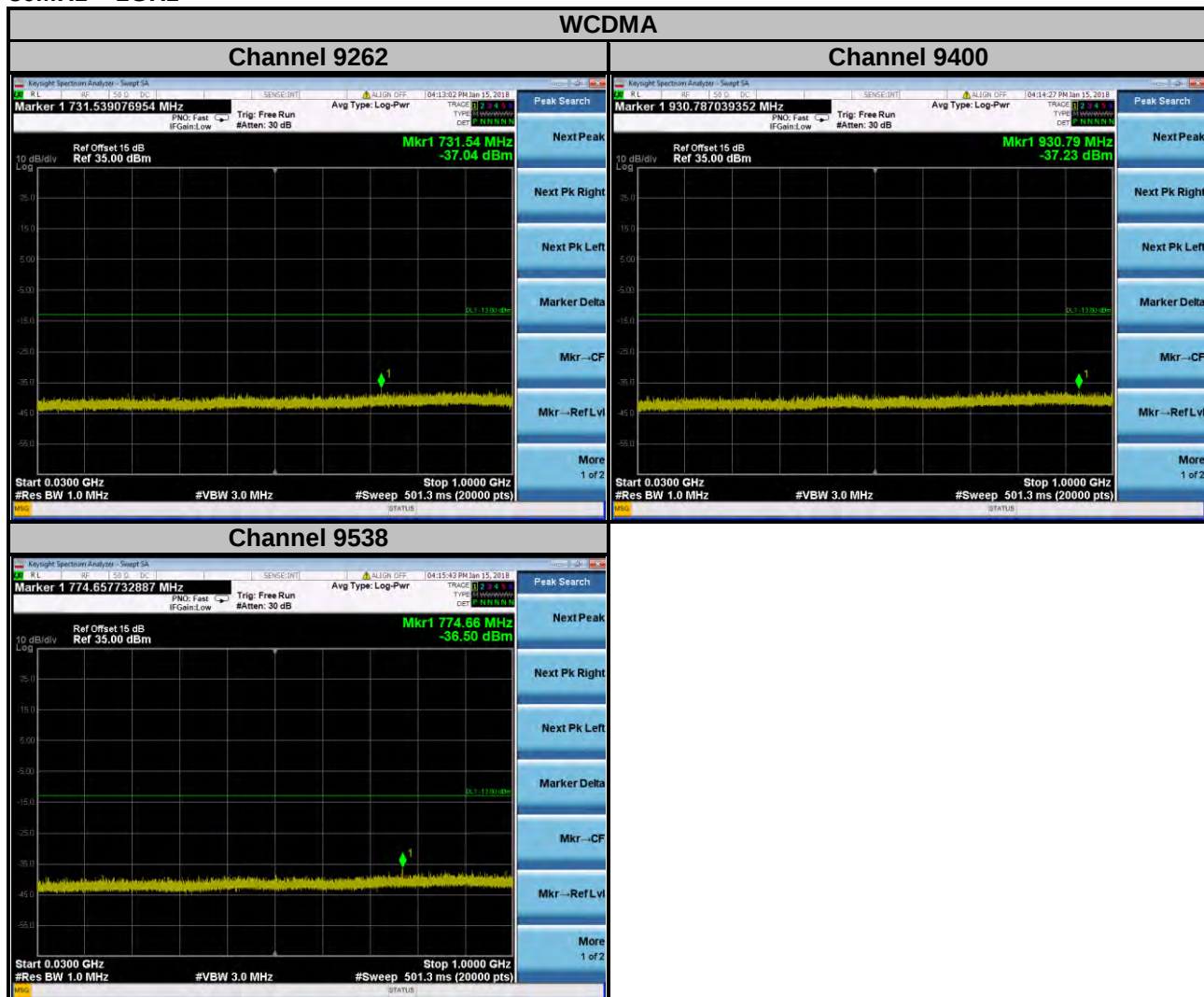


10GHz ~ 26.5GHz

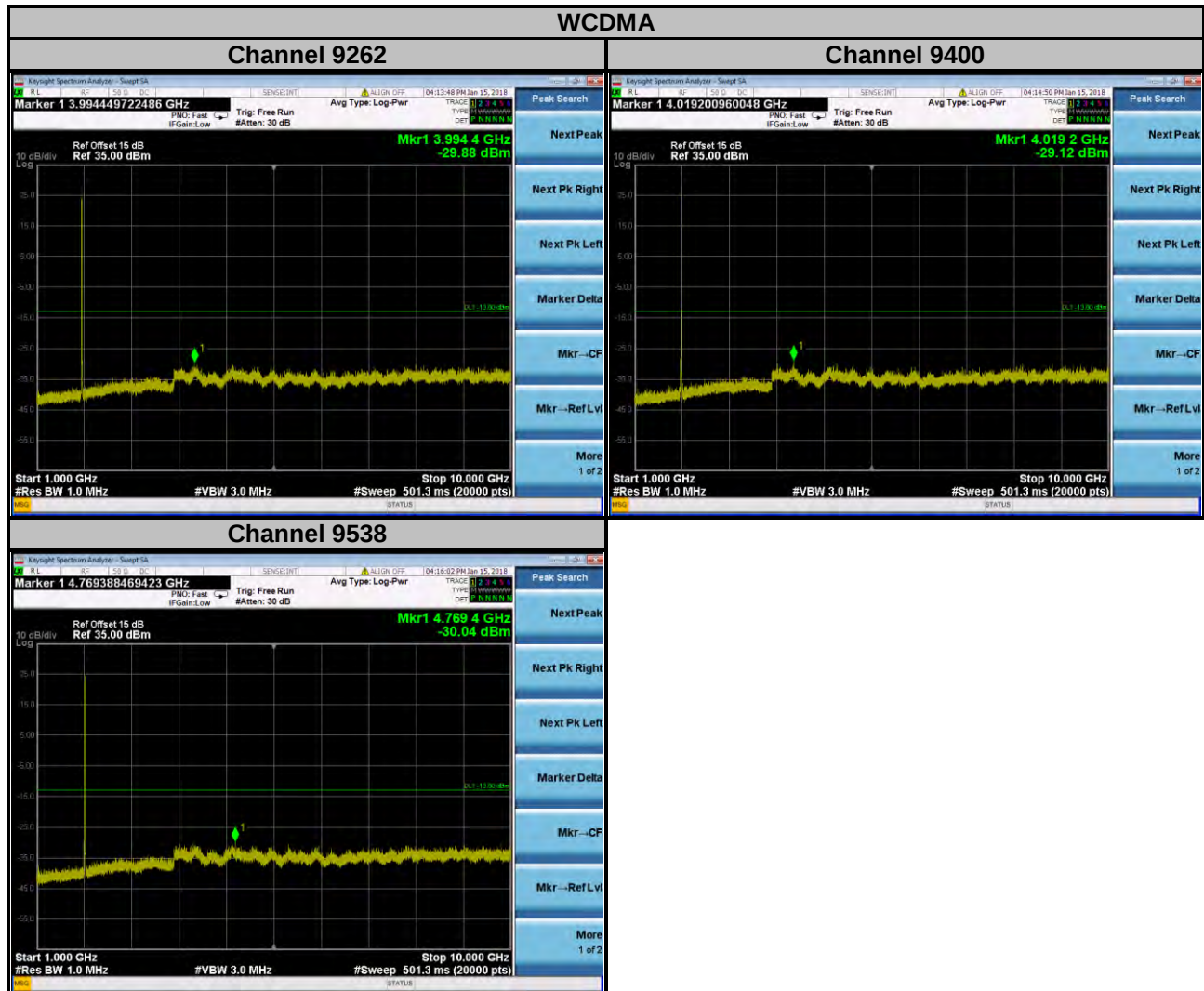


WCDMA

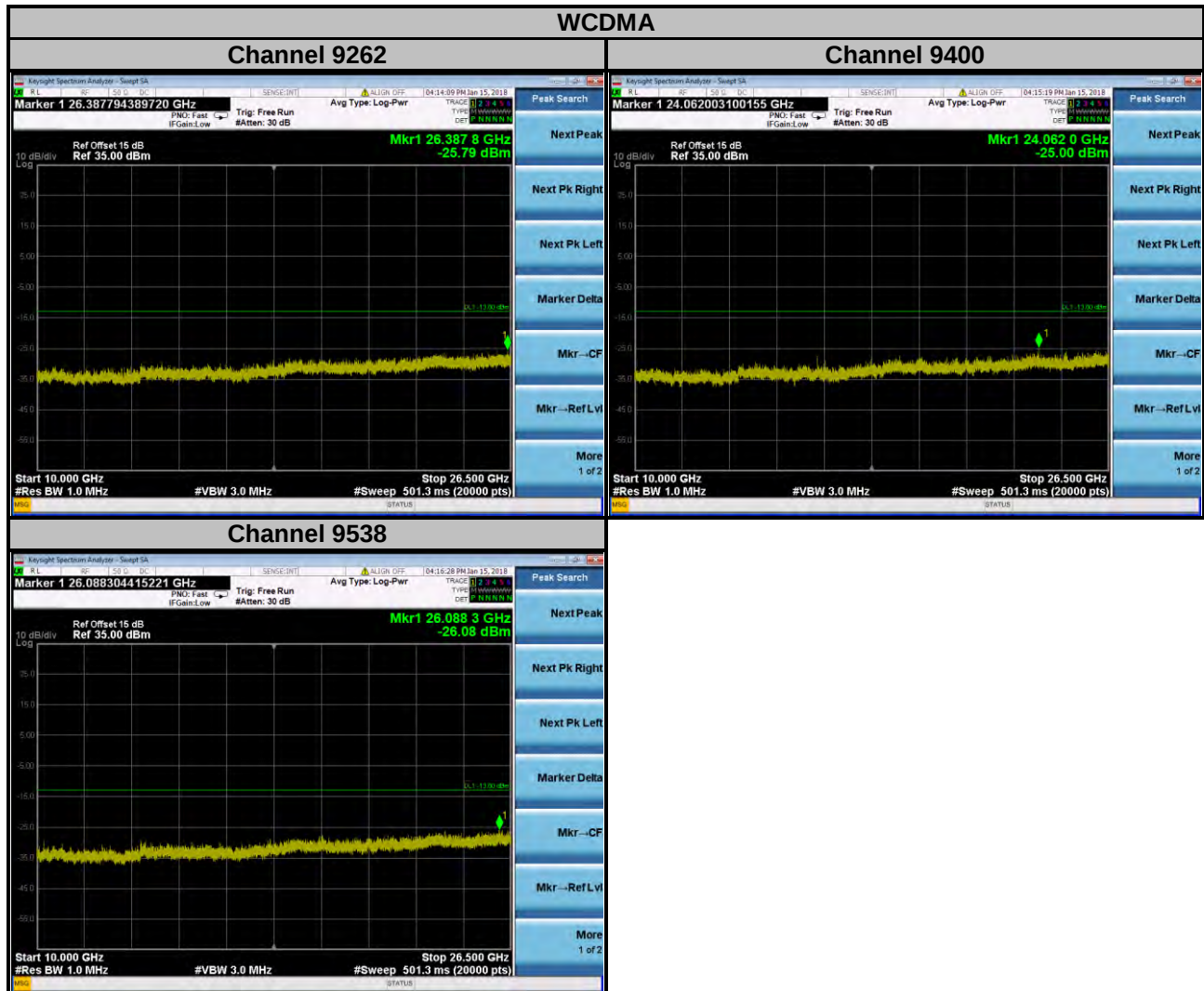
30MHz ~ 1GHz



1GHz ~ 10GHz



10GHz ~ 26.5GHz

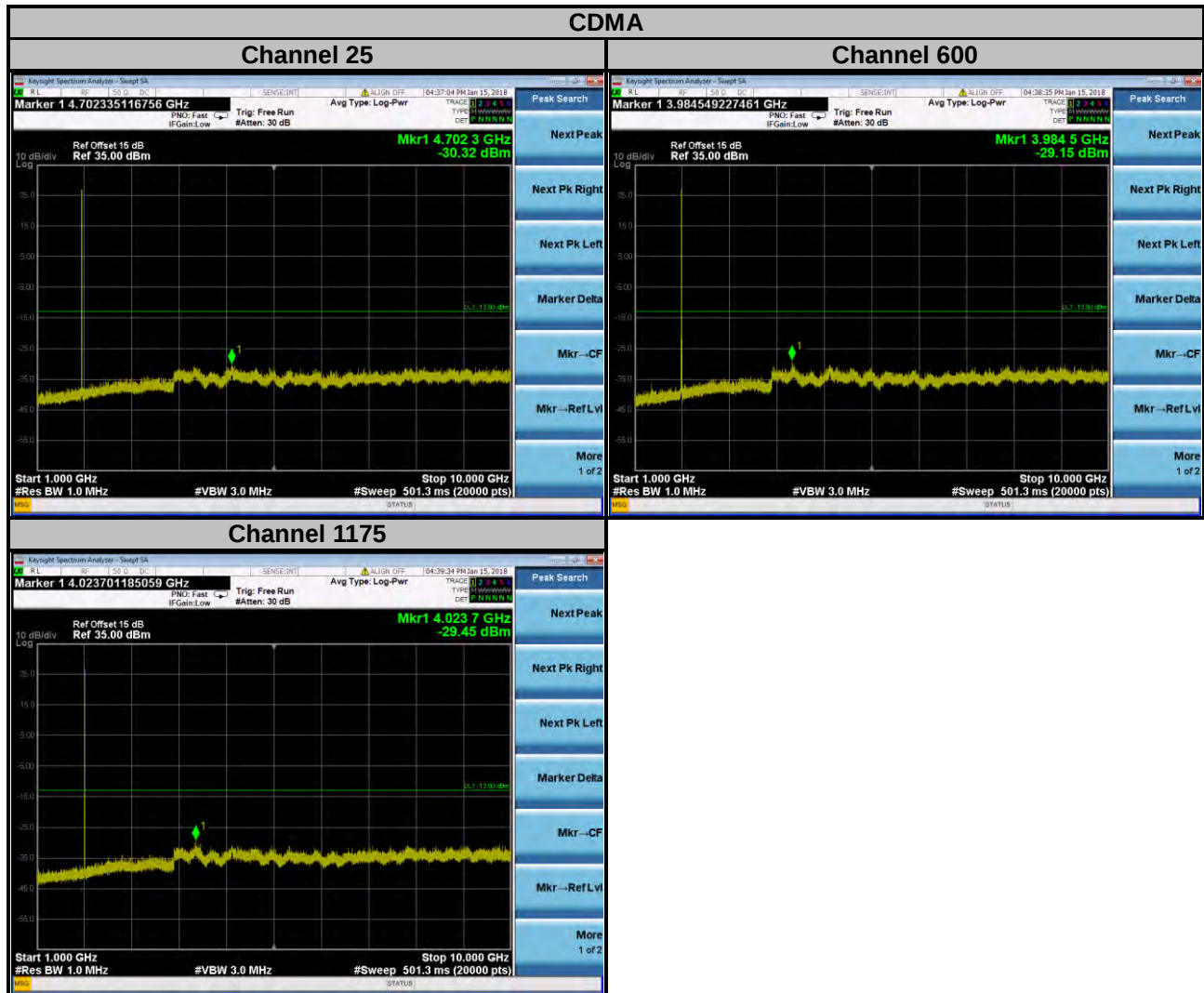


CDMA

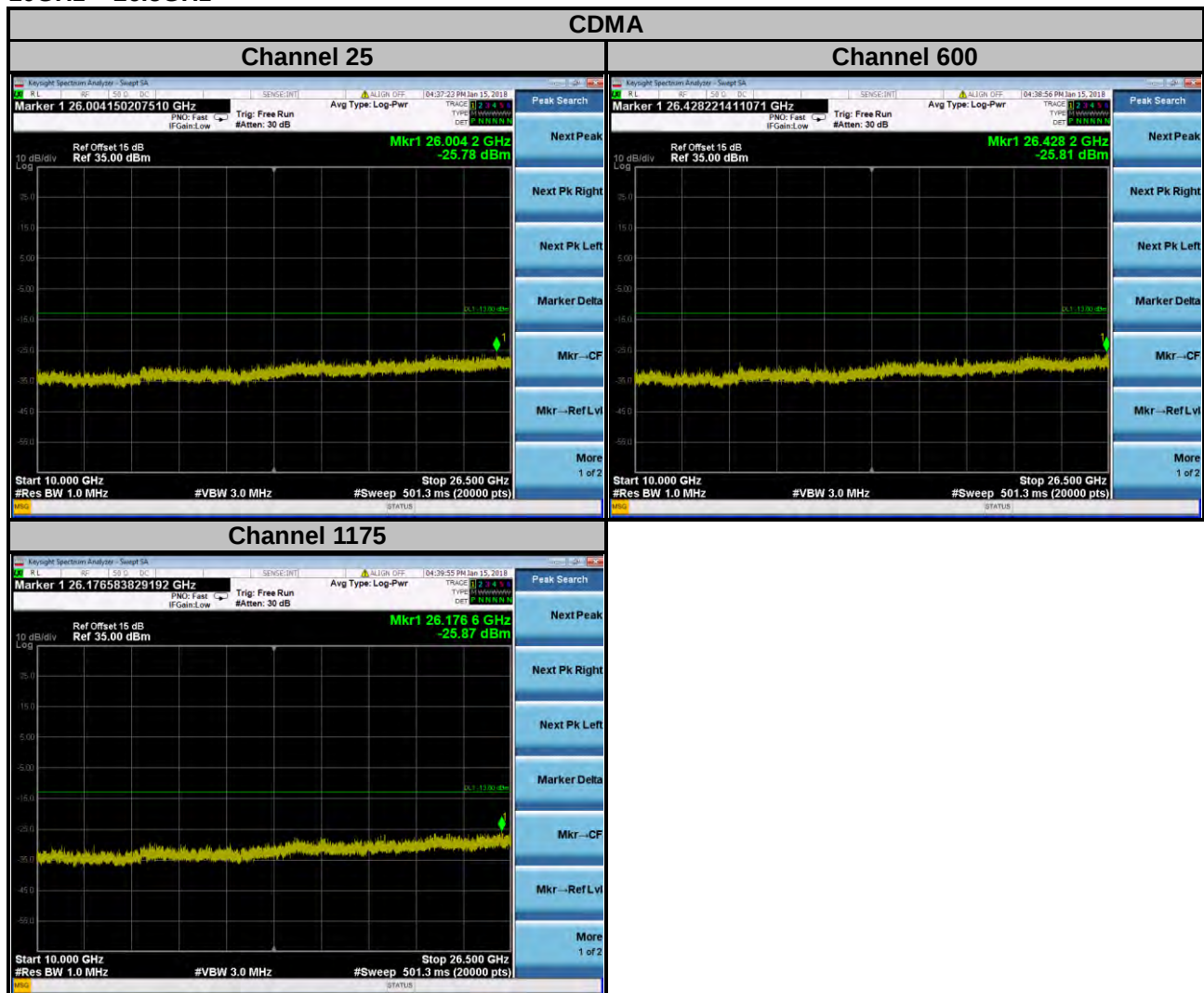
30MHz ~ 1GHz



1GHz ~ 10GHz



10GHz ~ 26.5GHz



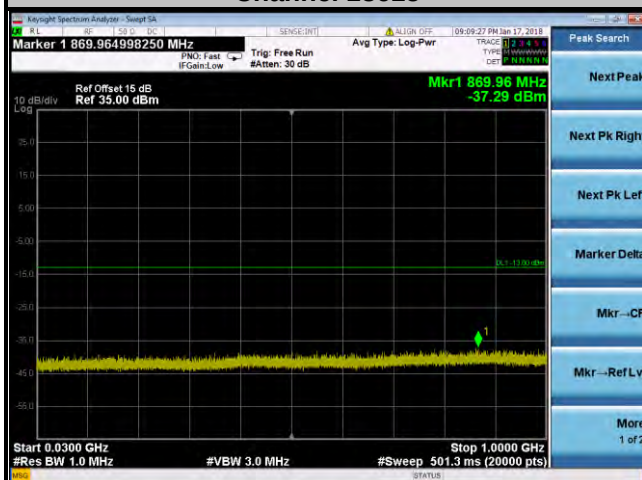
LTE Band 2
30MHz ~ 1GHz



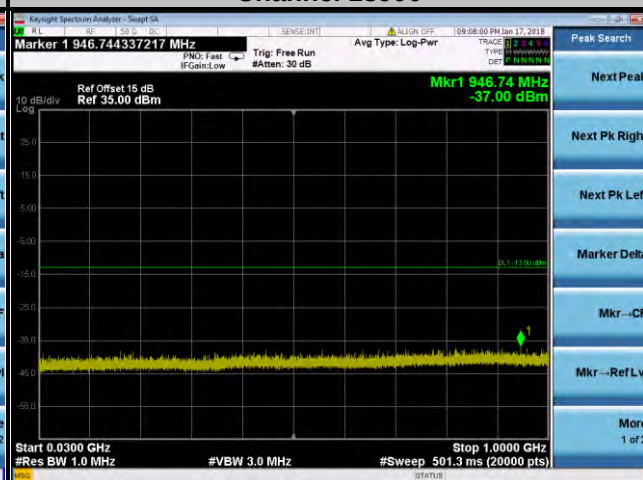
LTE Band 2

Channel Bandwidth: 3 MHz

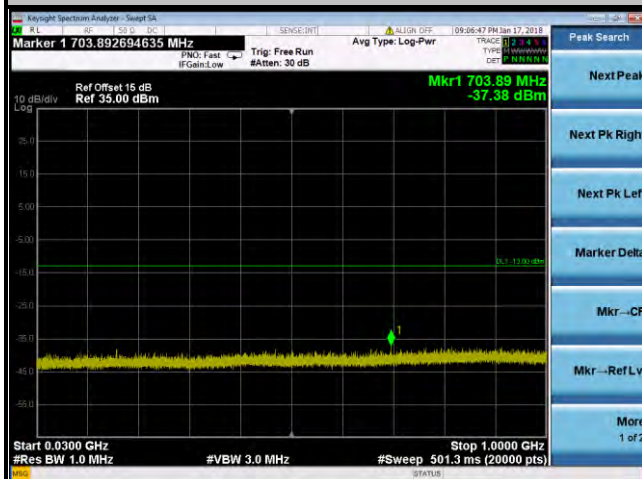
Channel 18615



Channel 18900



Channel 19185





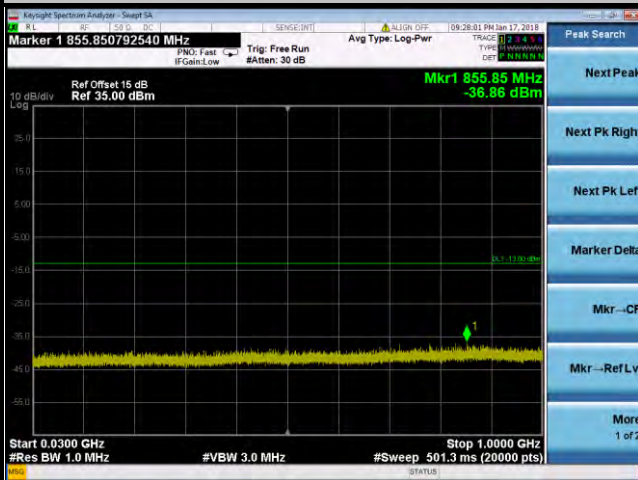




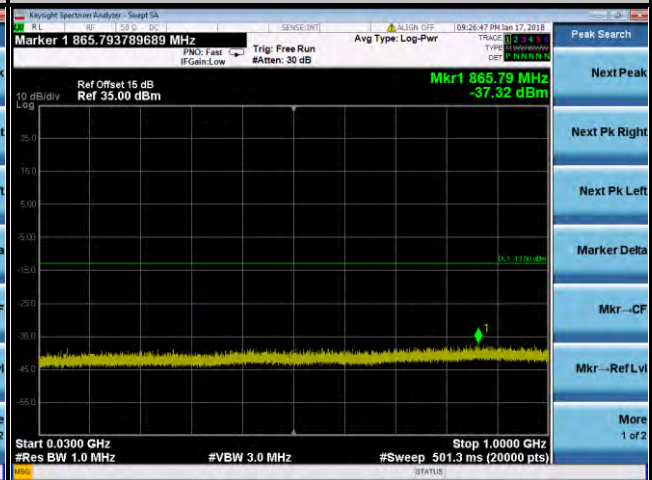
LTE Band 2

Channel Bandwidth: 20 MHz

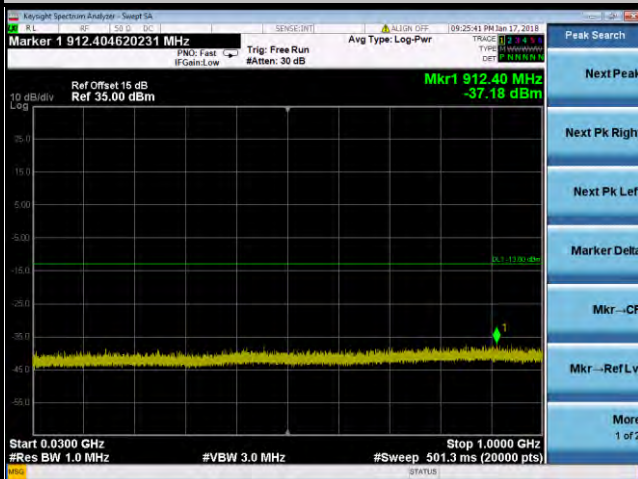
Channel 18700



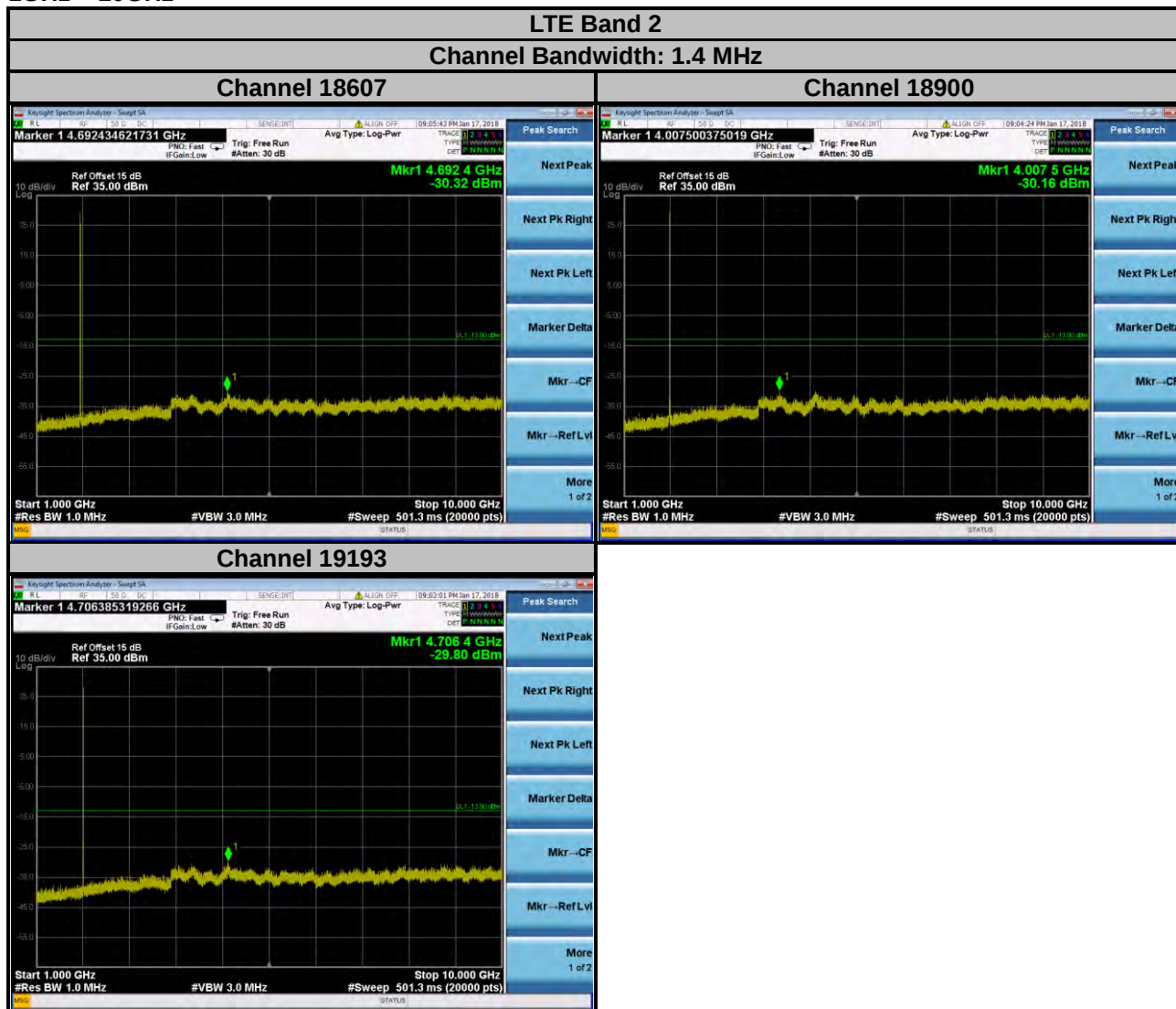
Channel 18900



Channel 19100



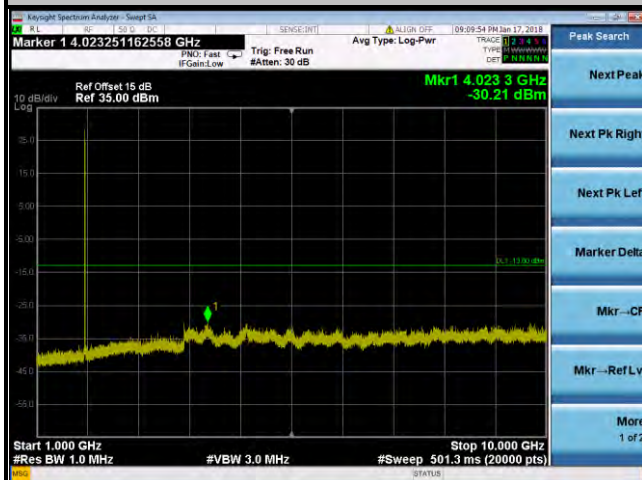
1GHz ~ 10GHz



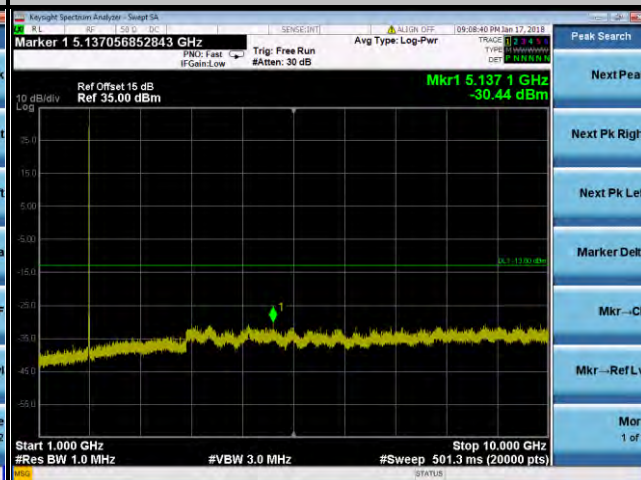
LTE Band 2

Channel Bandwidth: 3 MHz

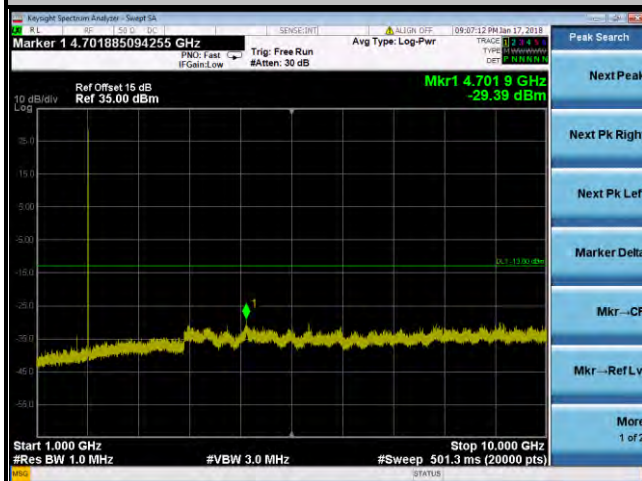
Channel 18615



Channel 18900



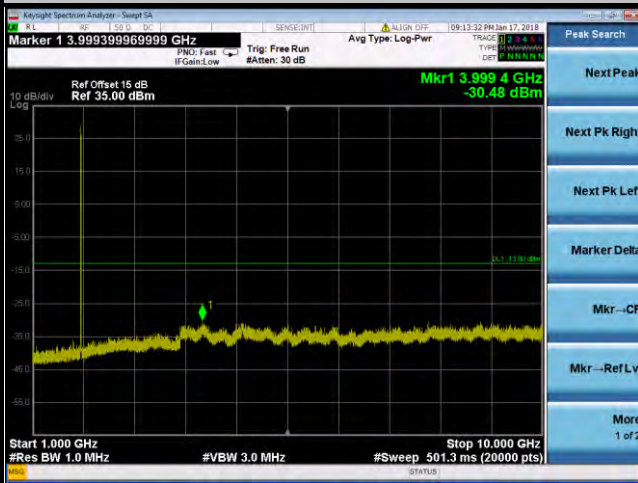
Channel 19185



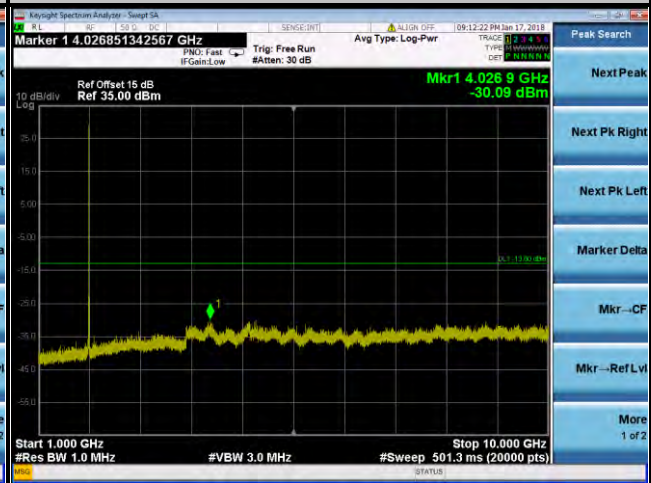
LTE Band 2

Channel Bandwidth: 5 MHz

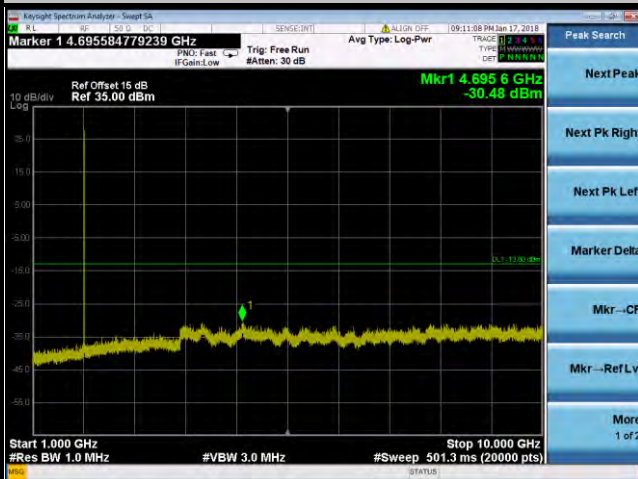
Channel 18625

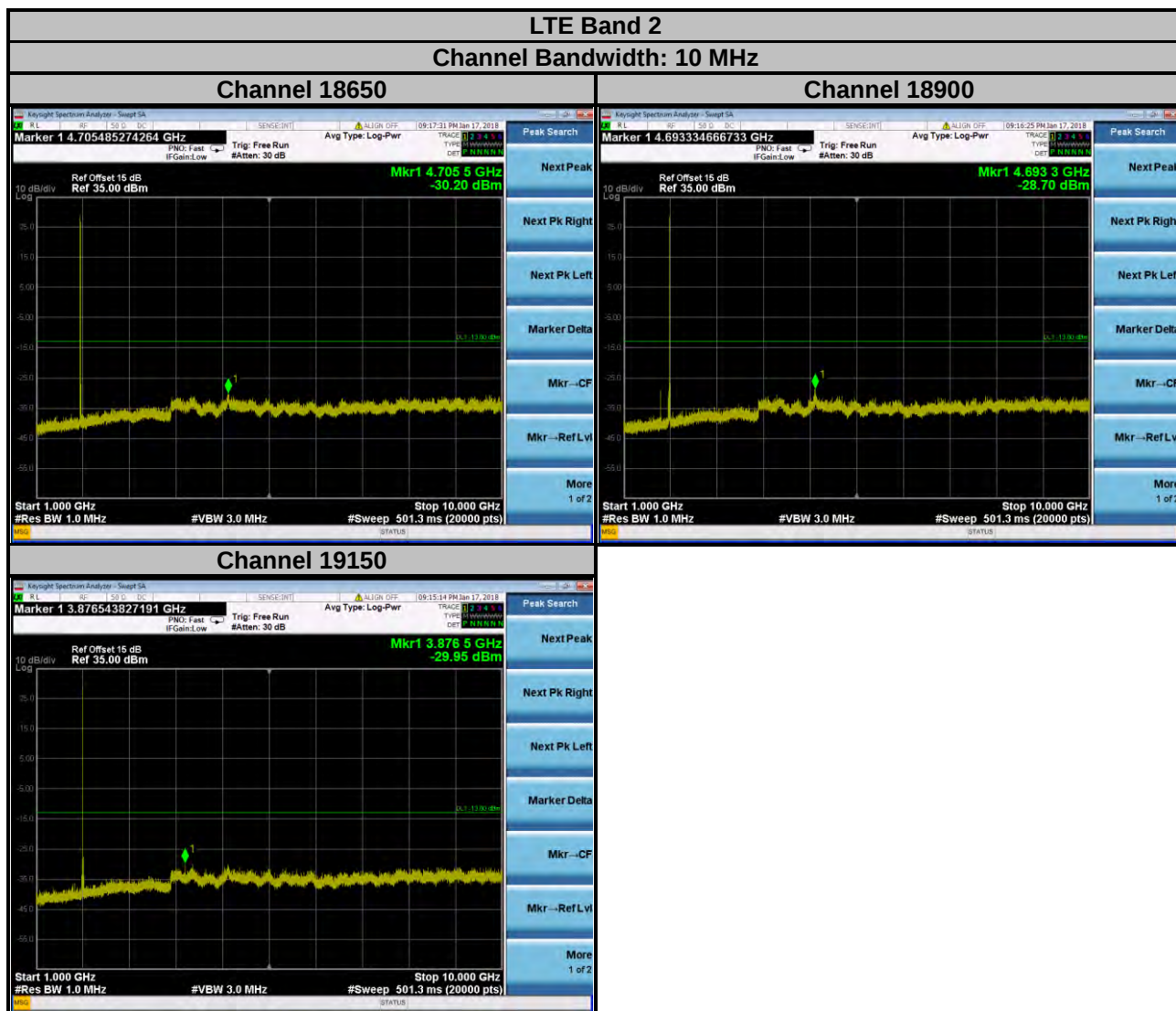


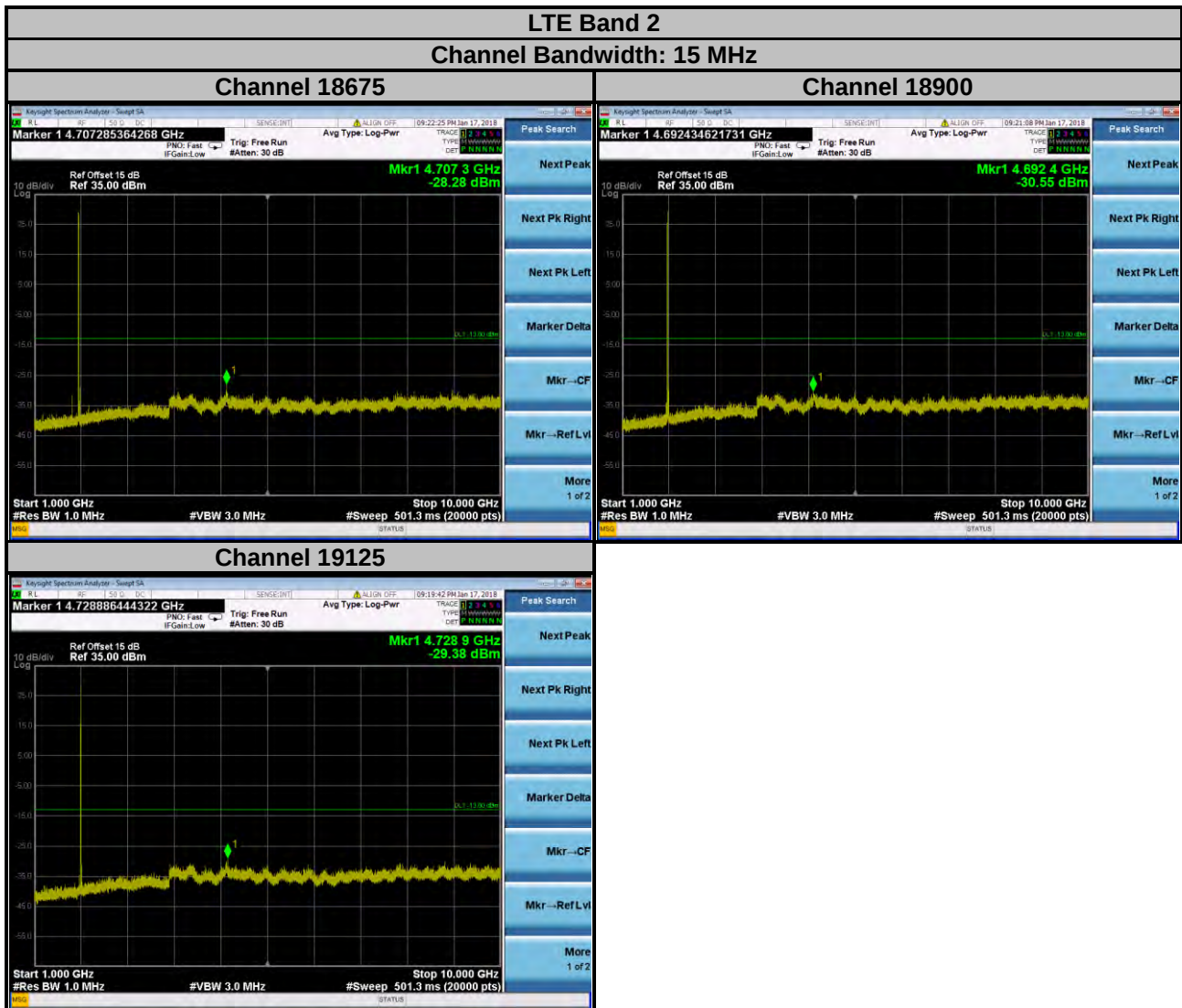
Channel 18900

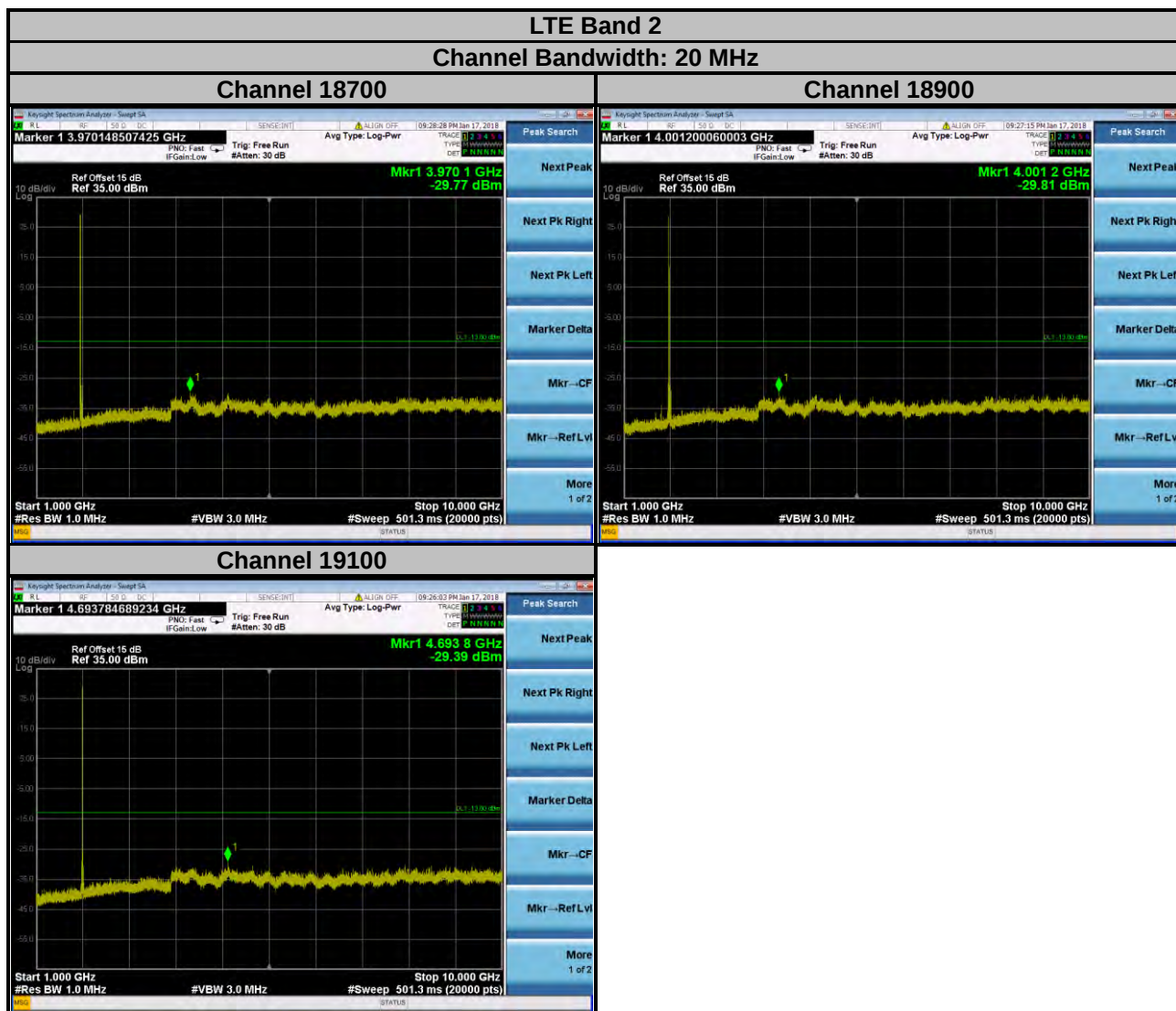


Channel 19175

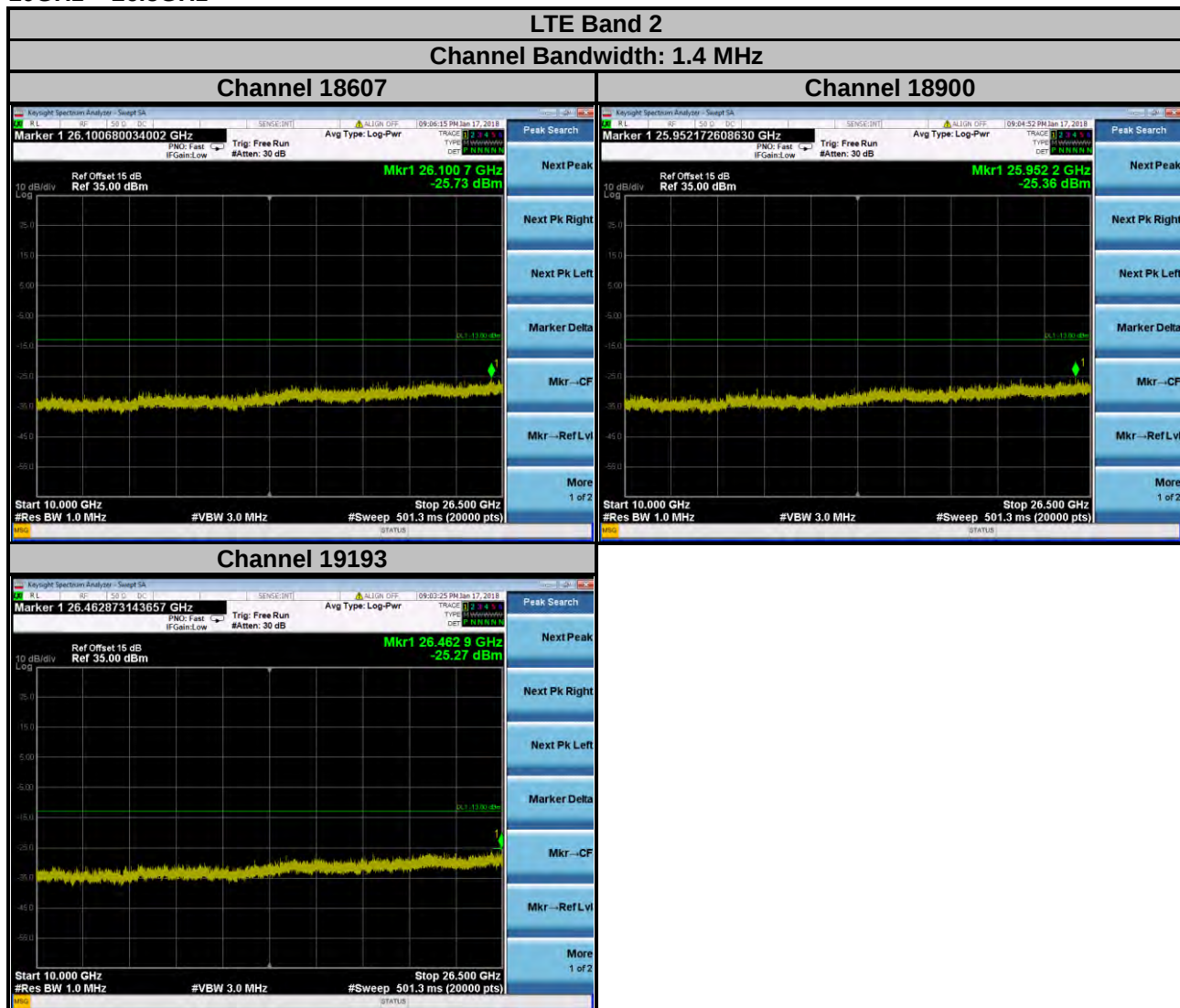


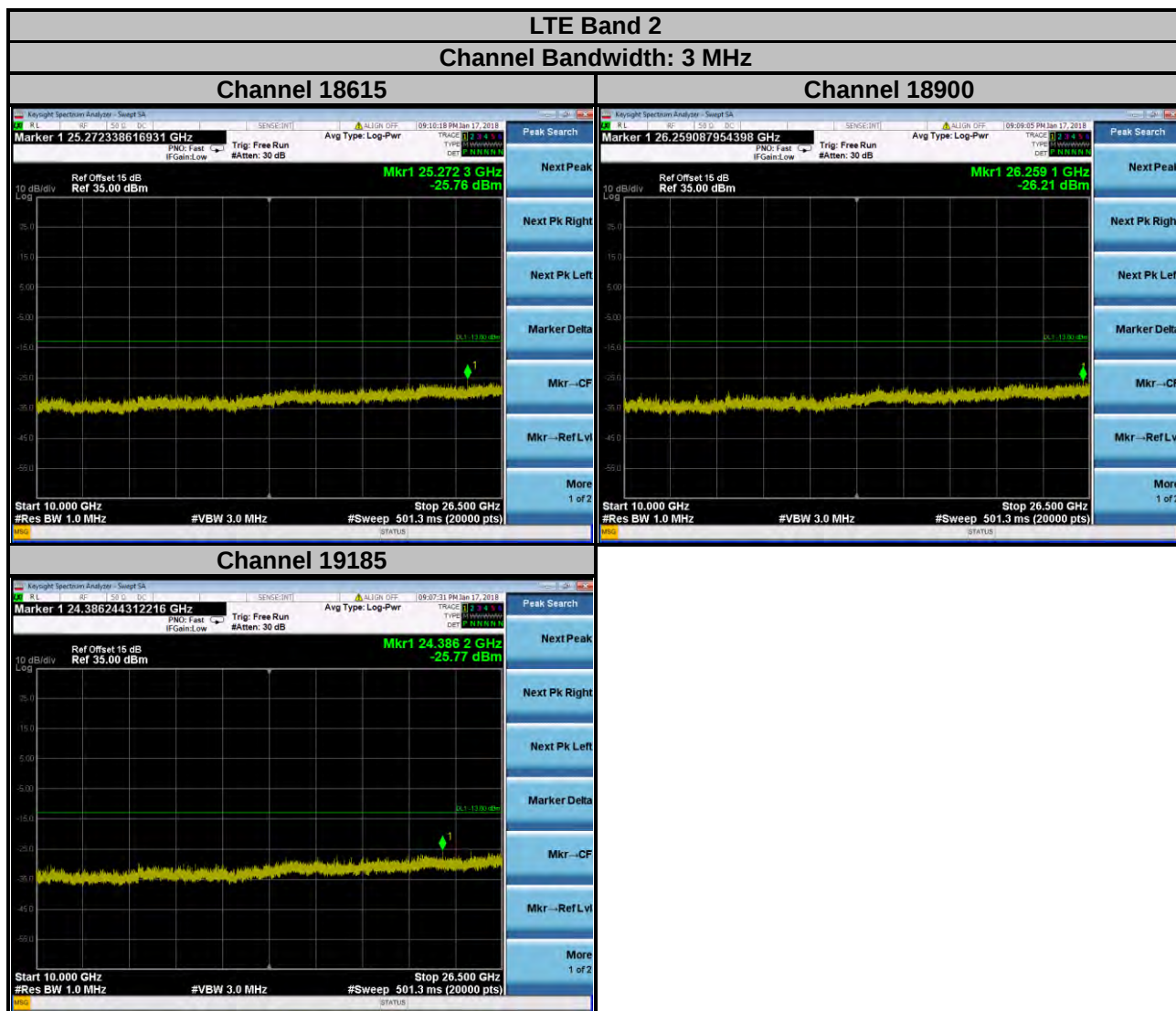


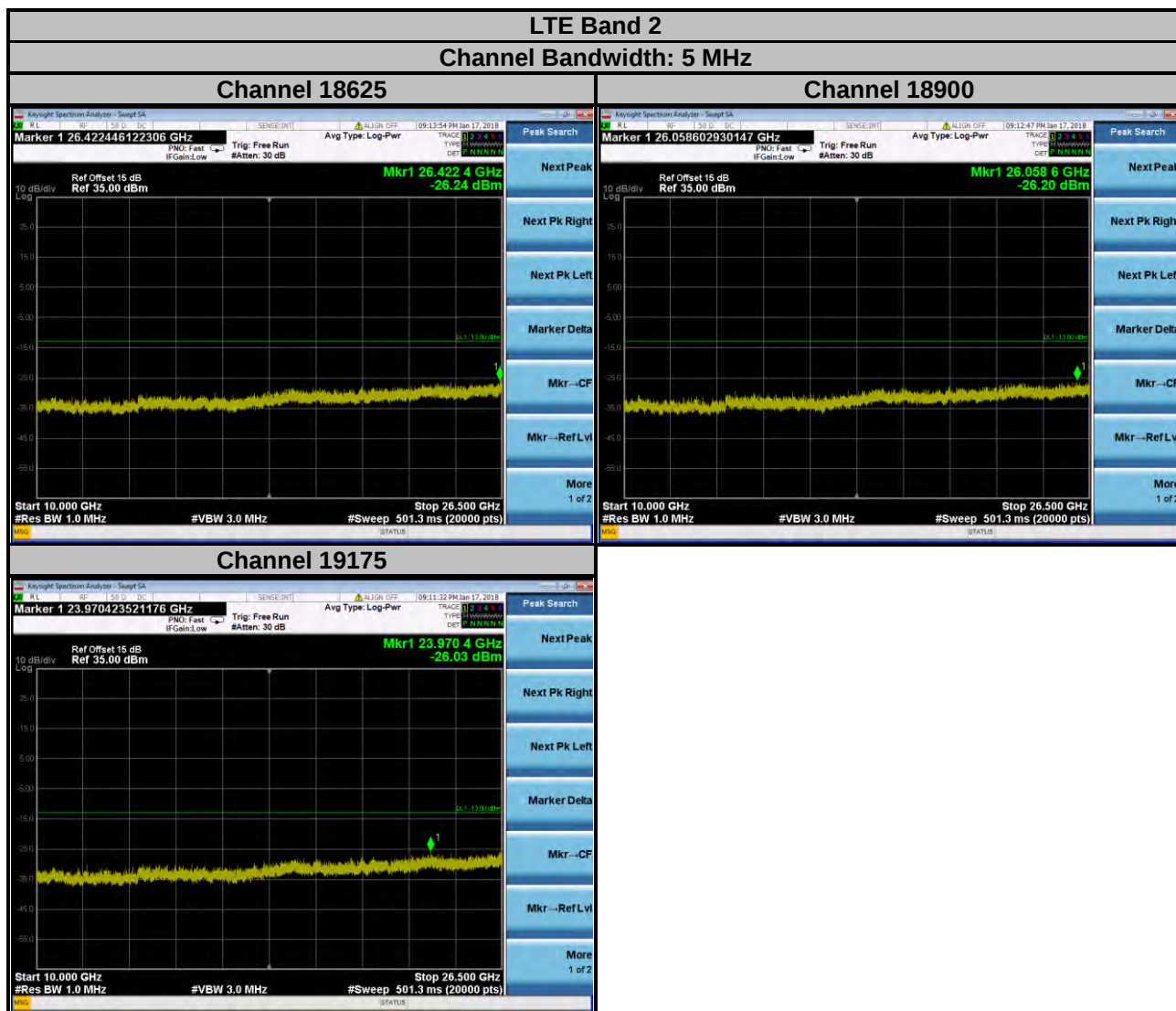


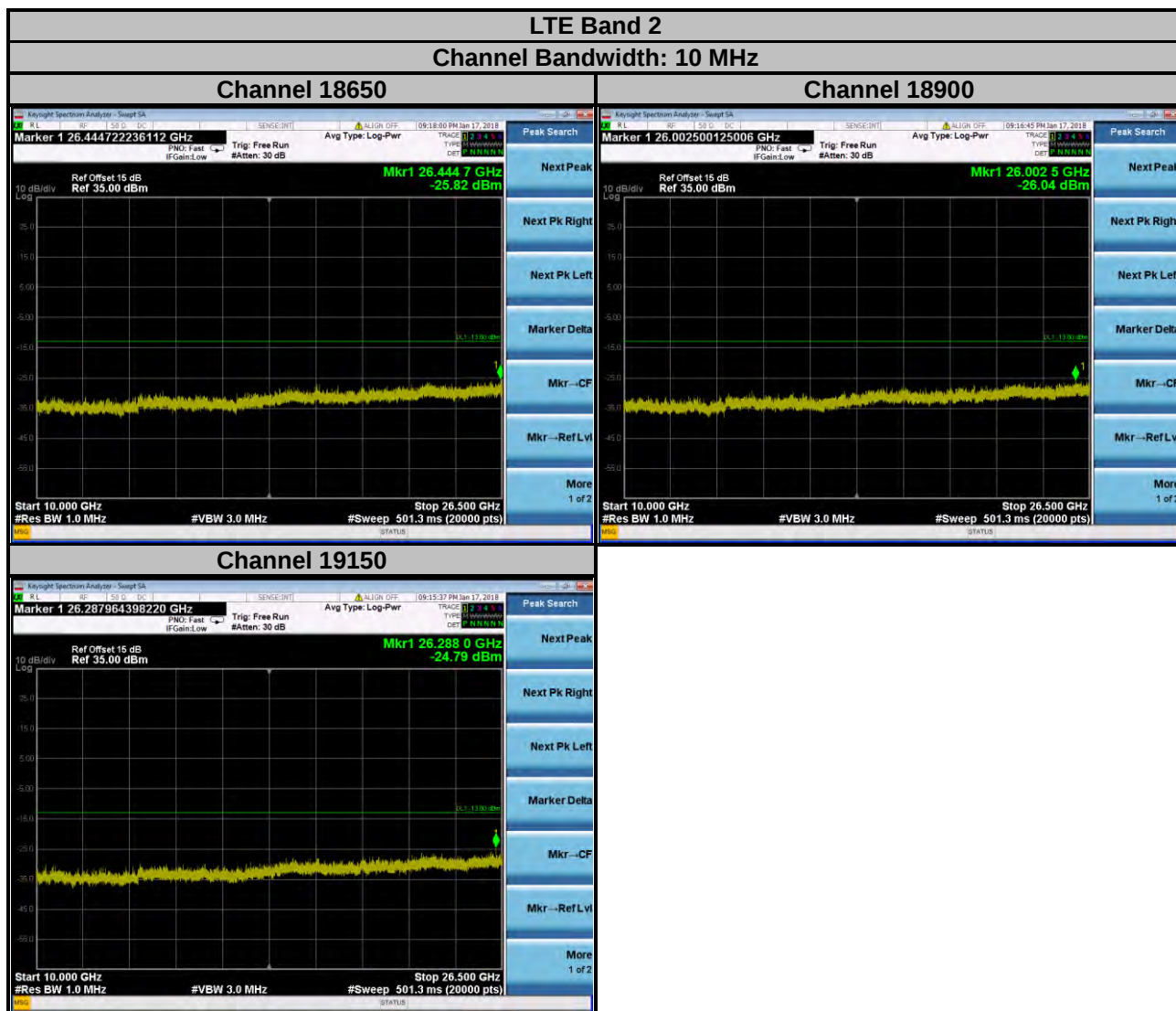


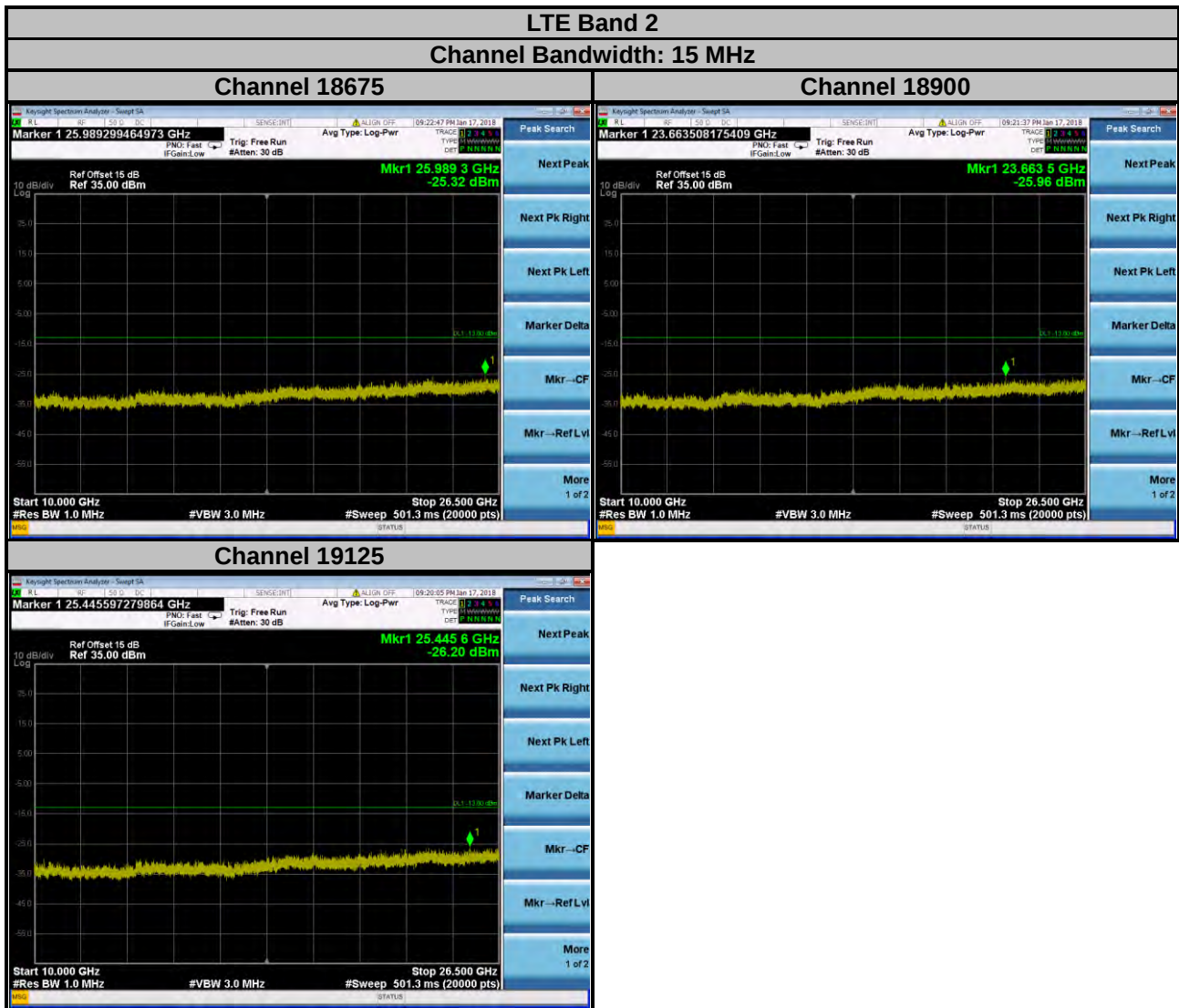
10GHz ~ 26.5GHz

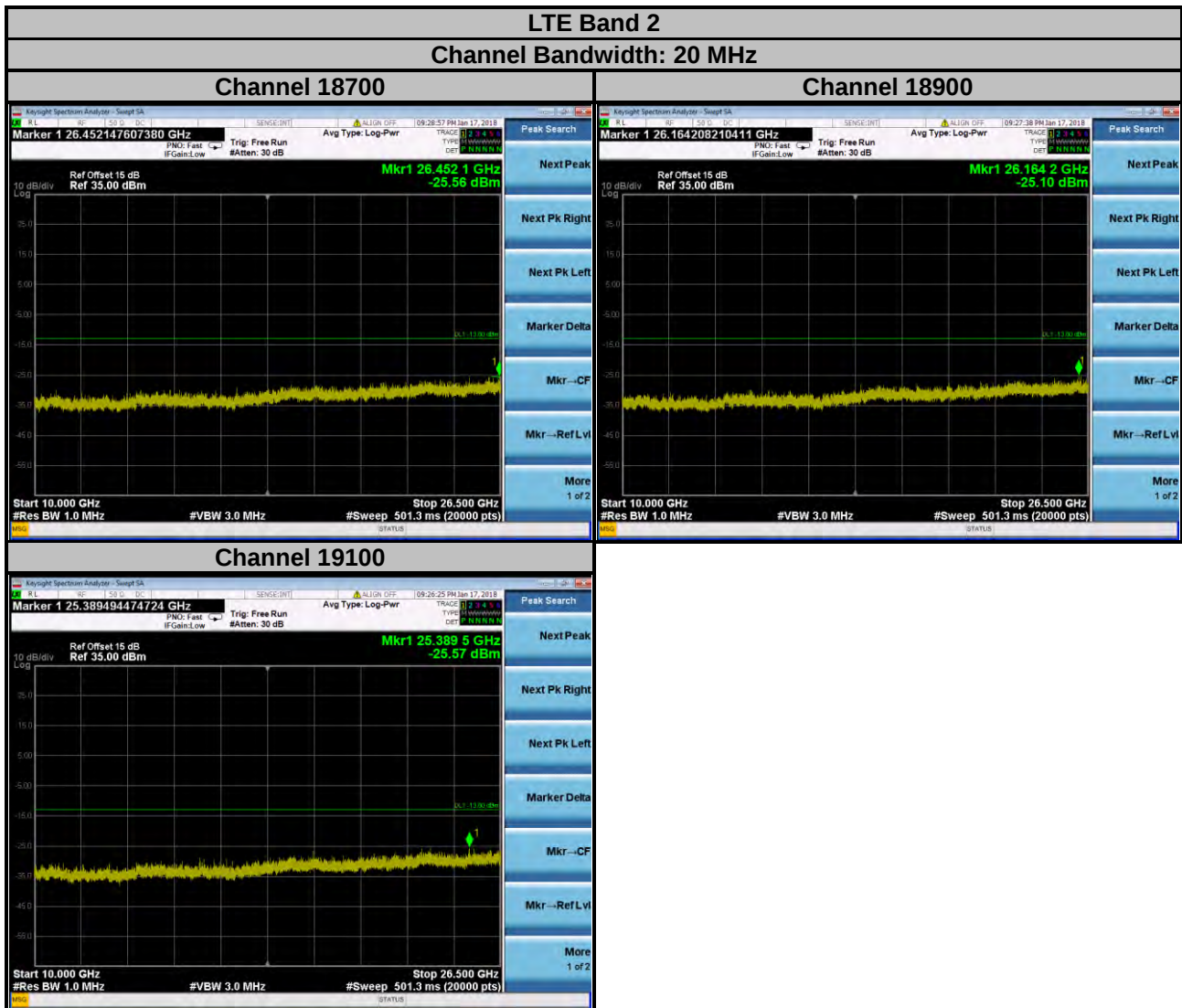






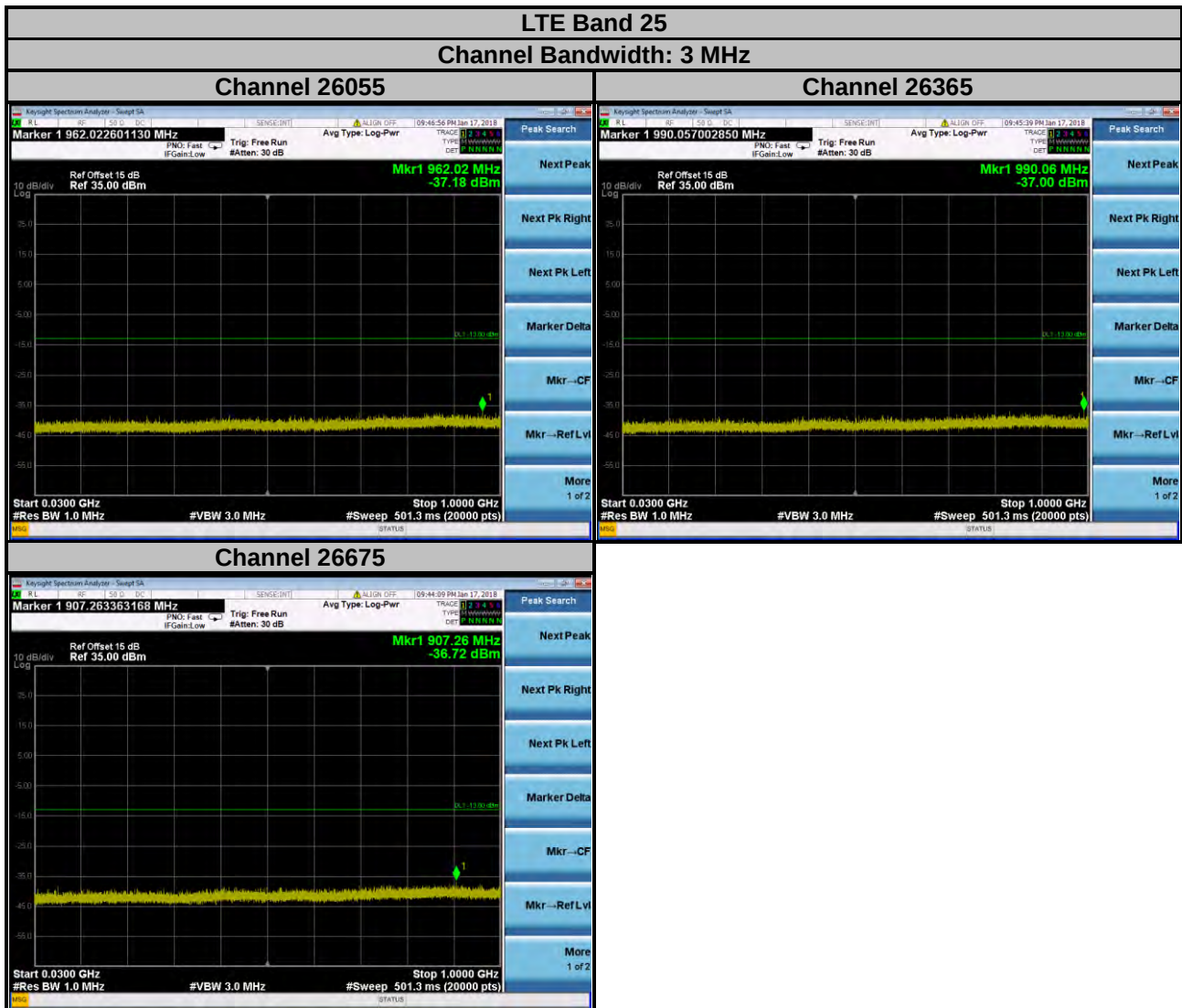






LTE Band 25
30MHz ~ 1GHz





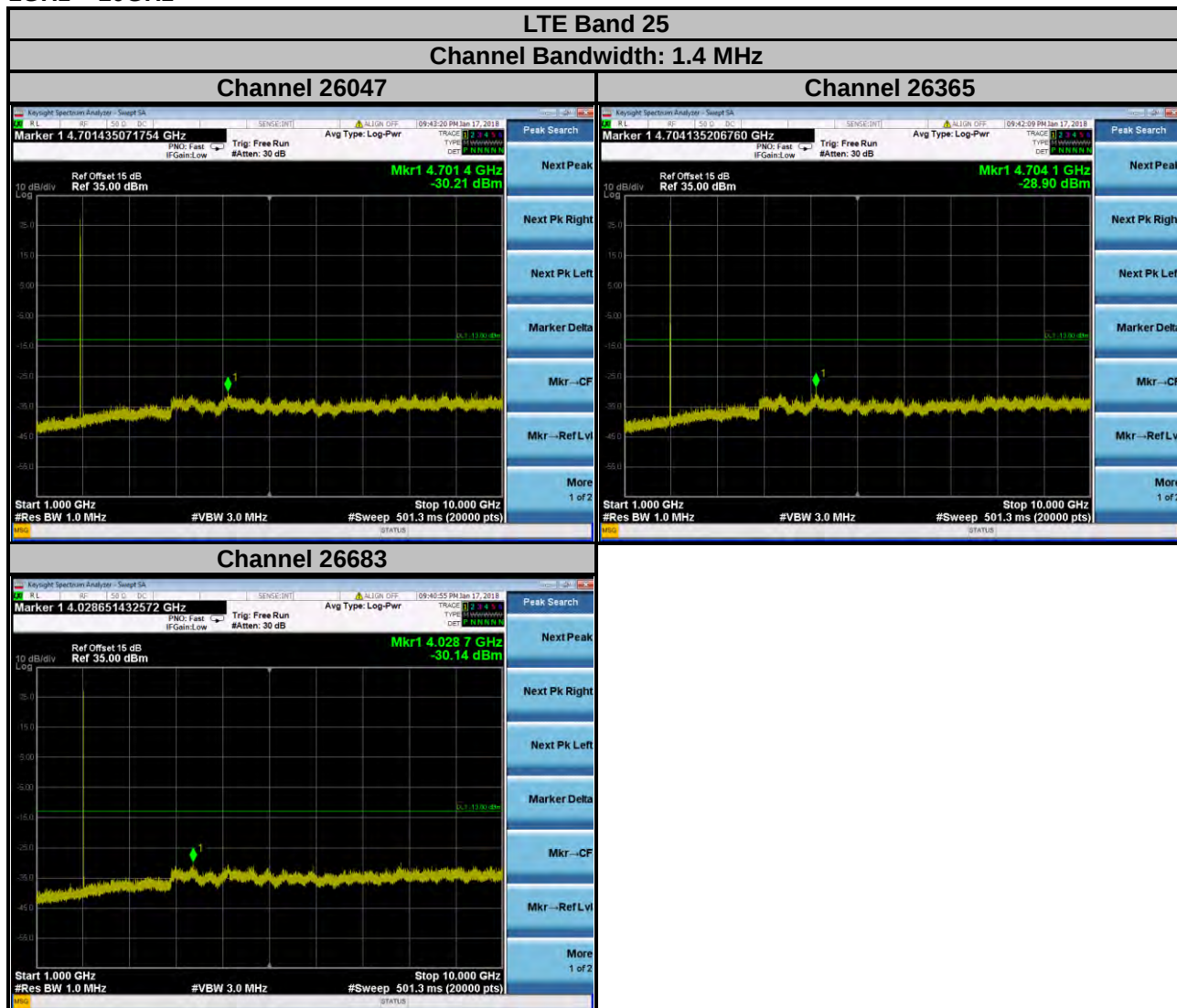


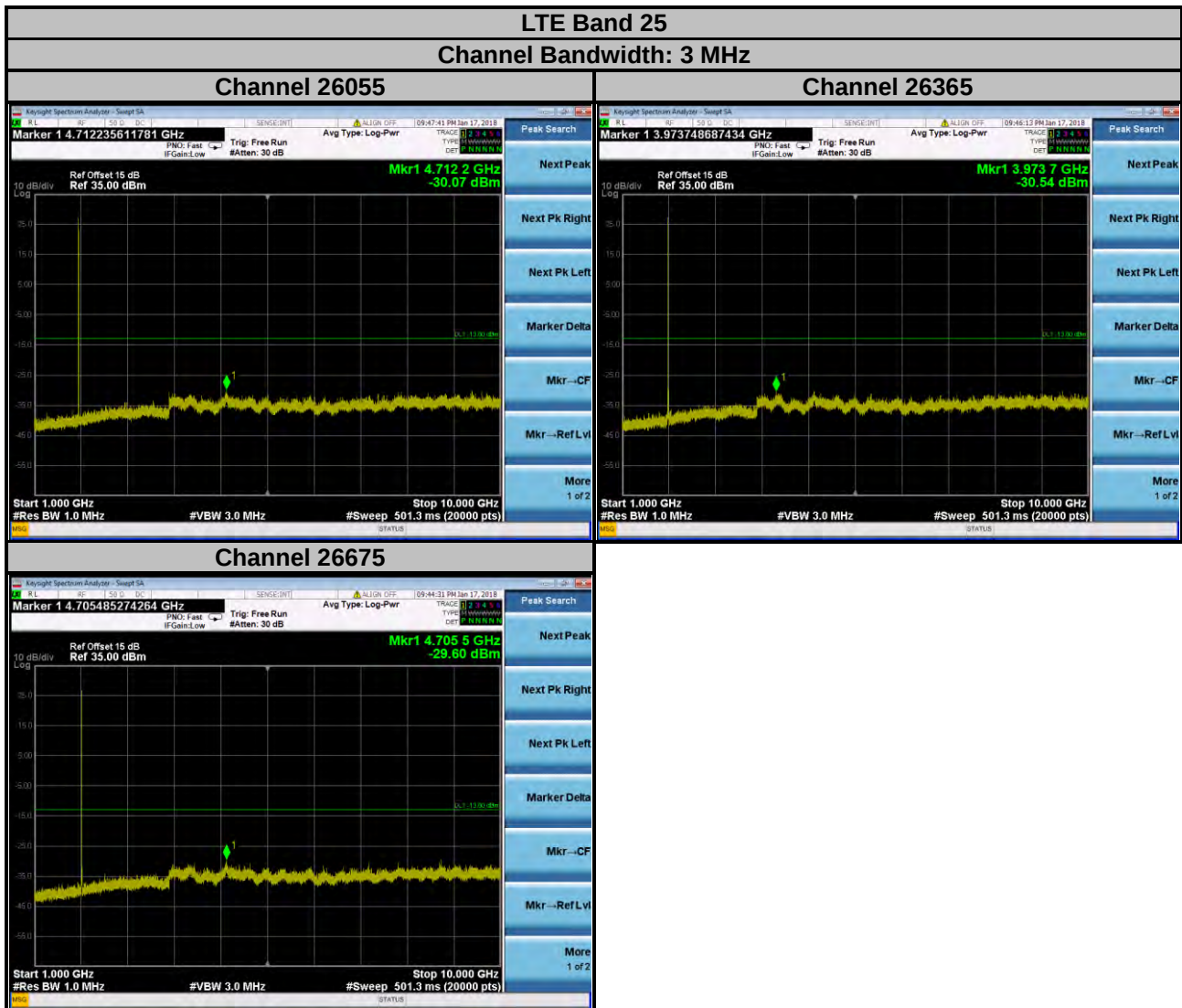


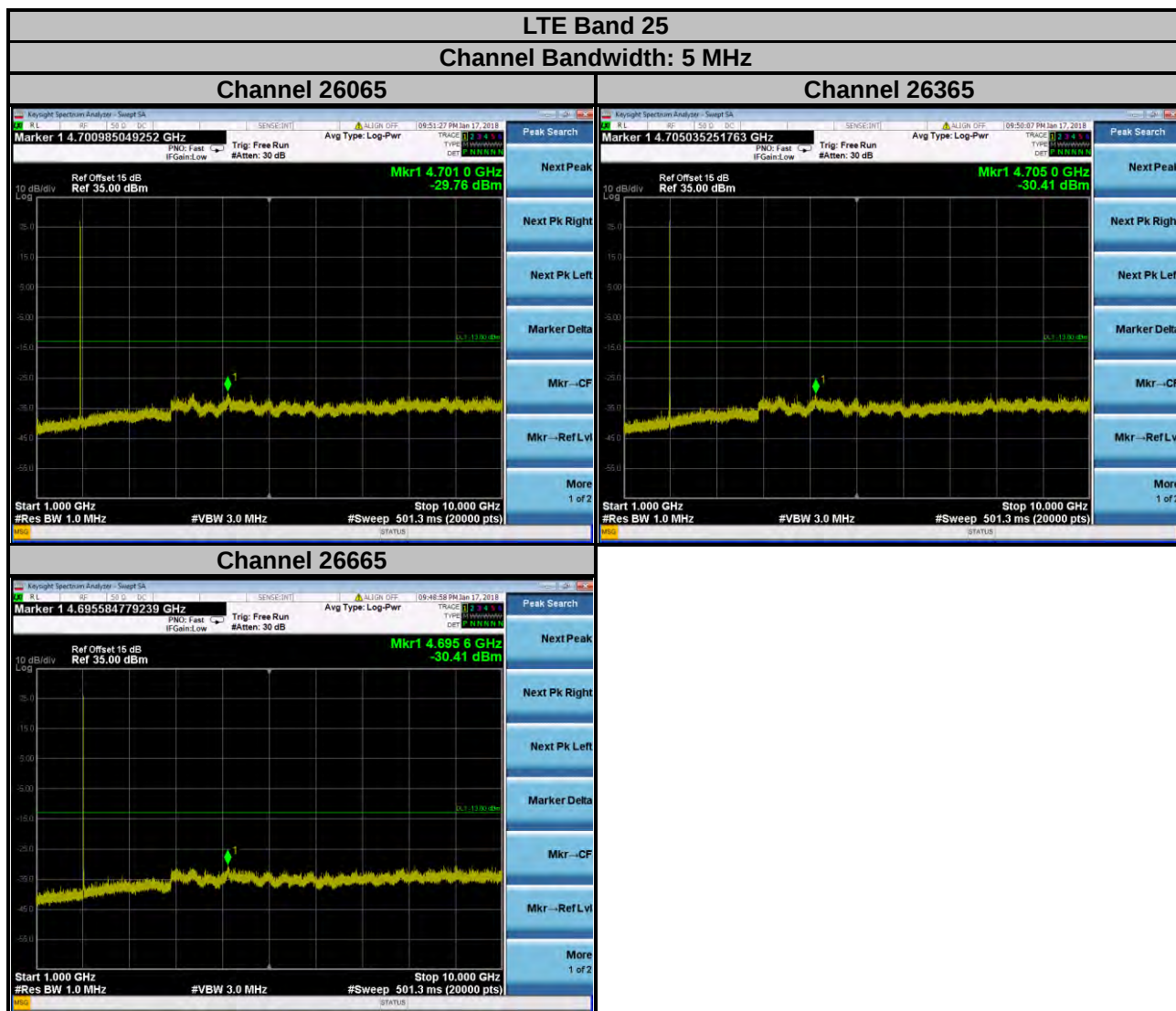


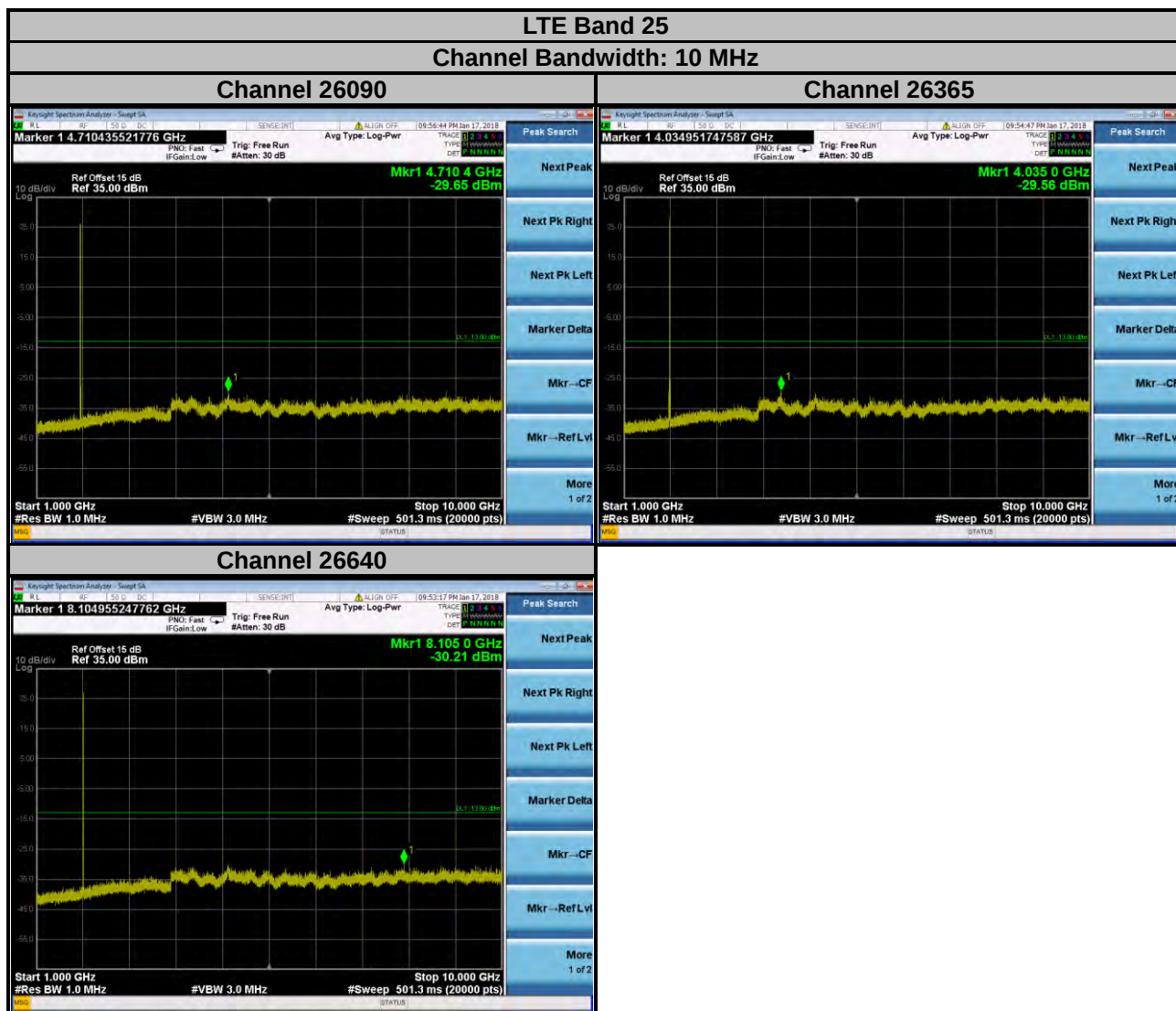


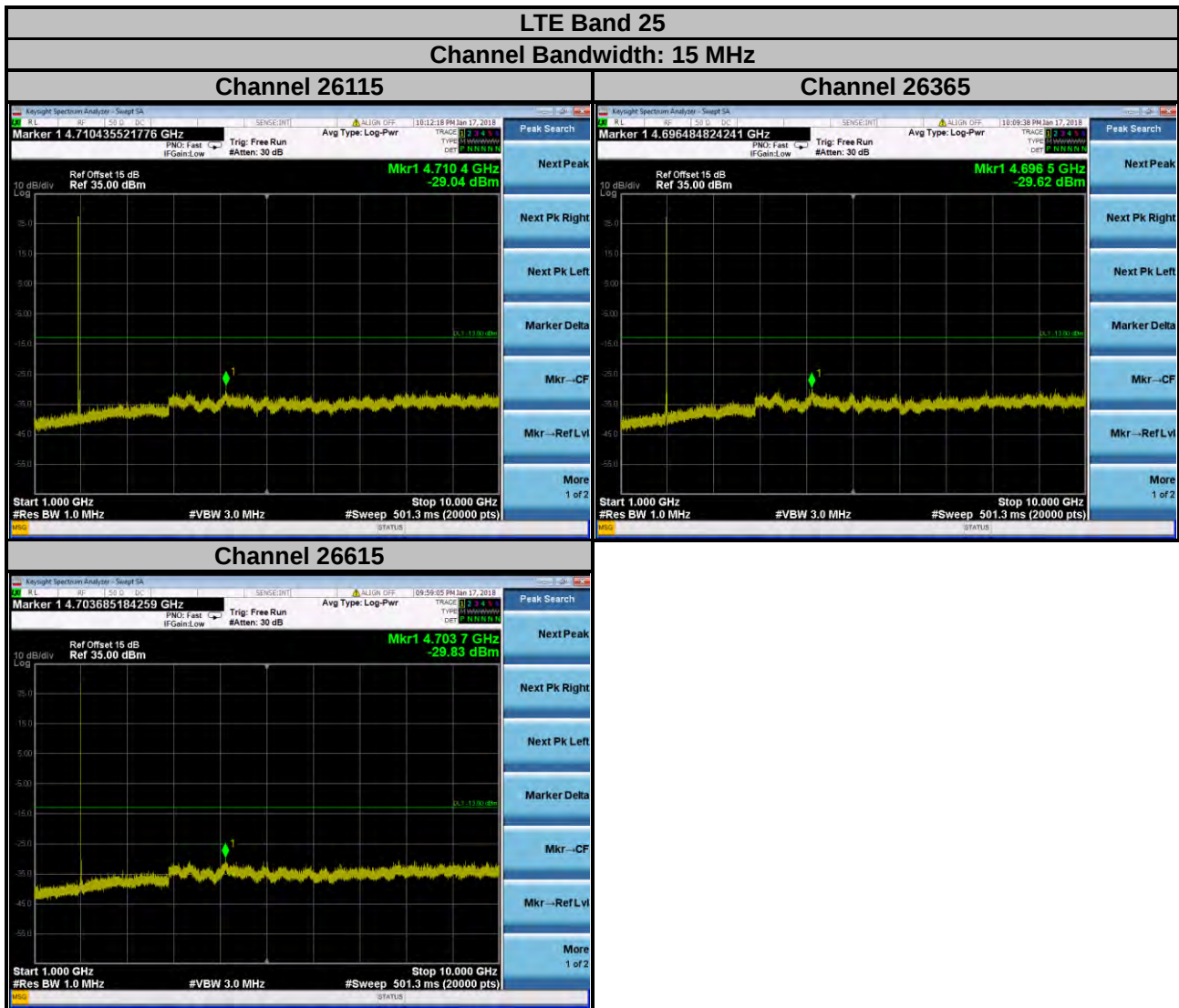
1GHz ~ 10GHz

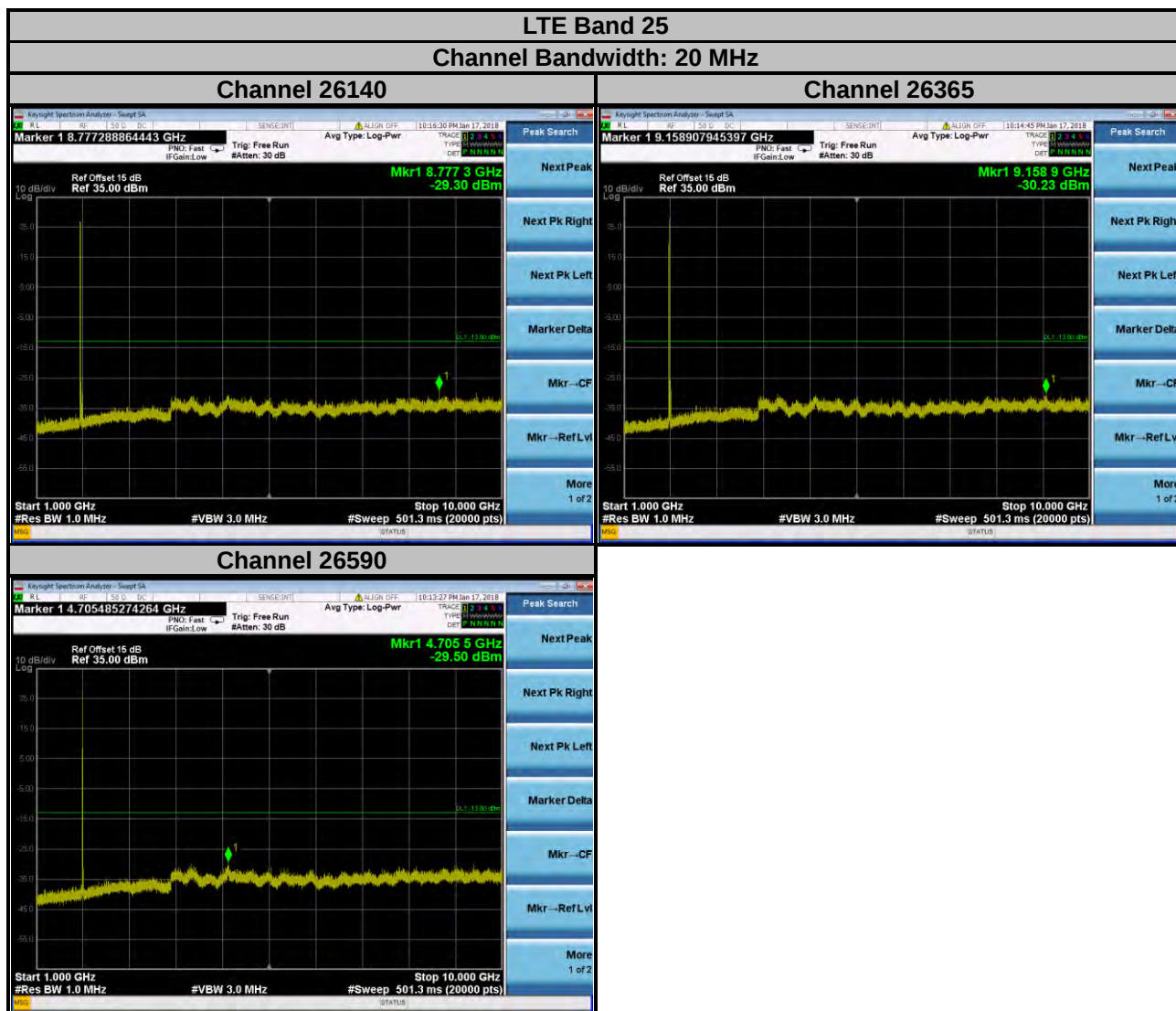




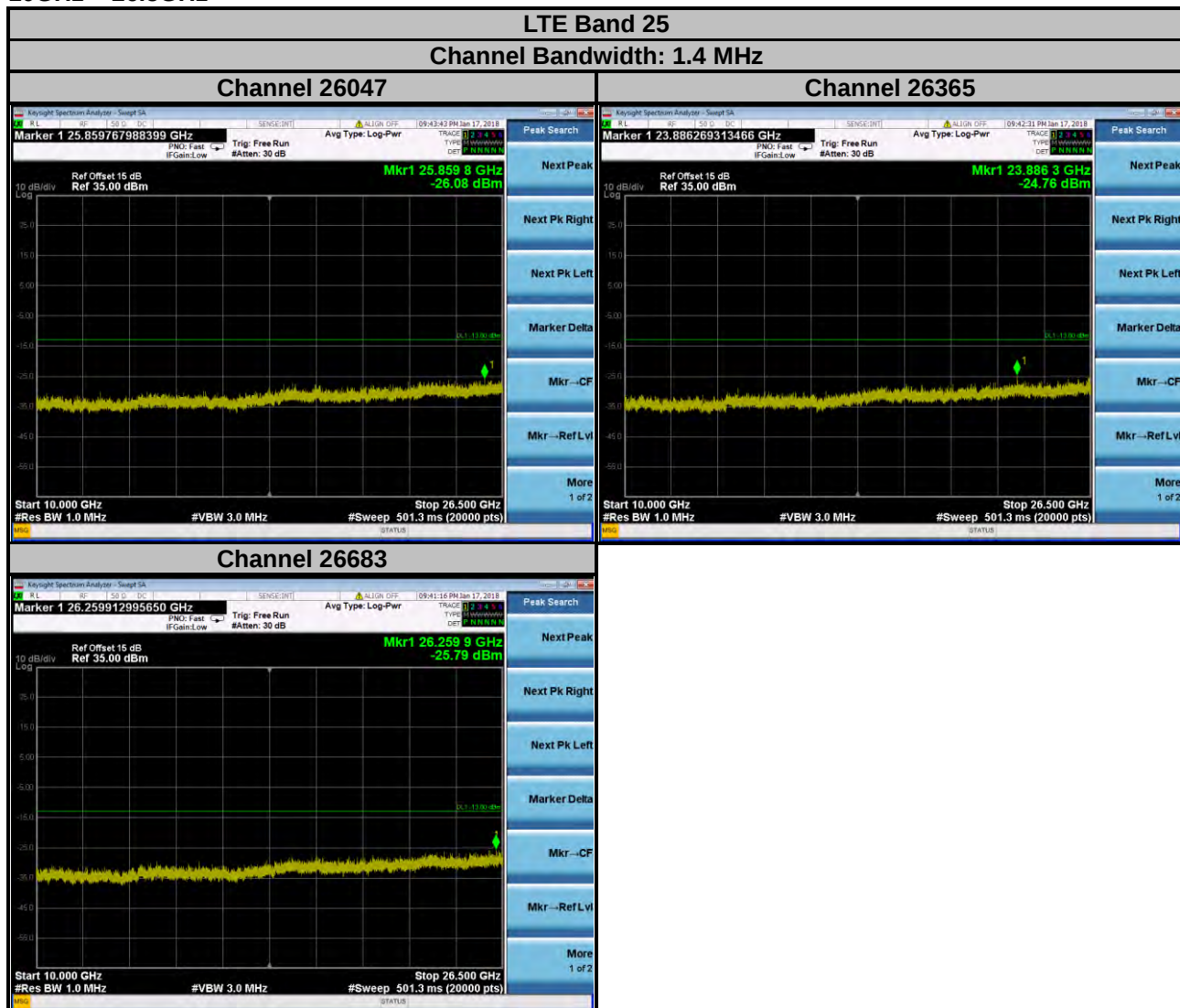


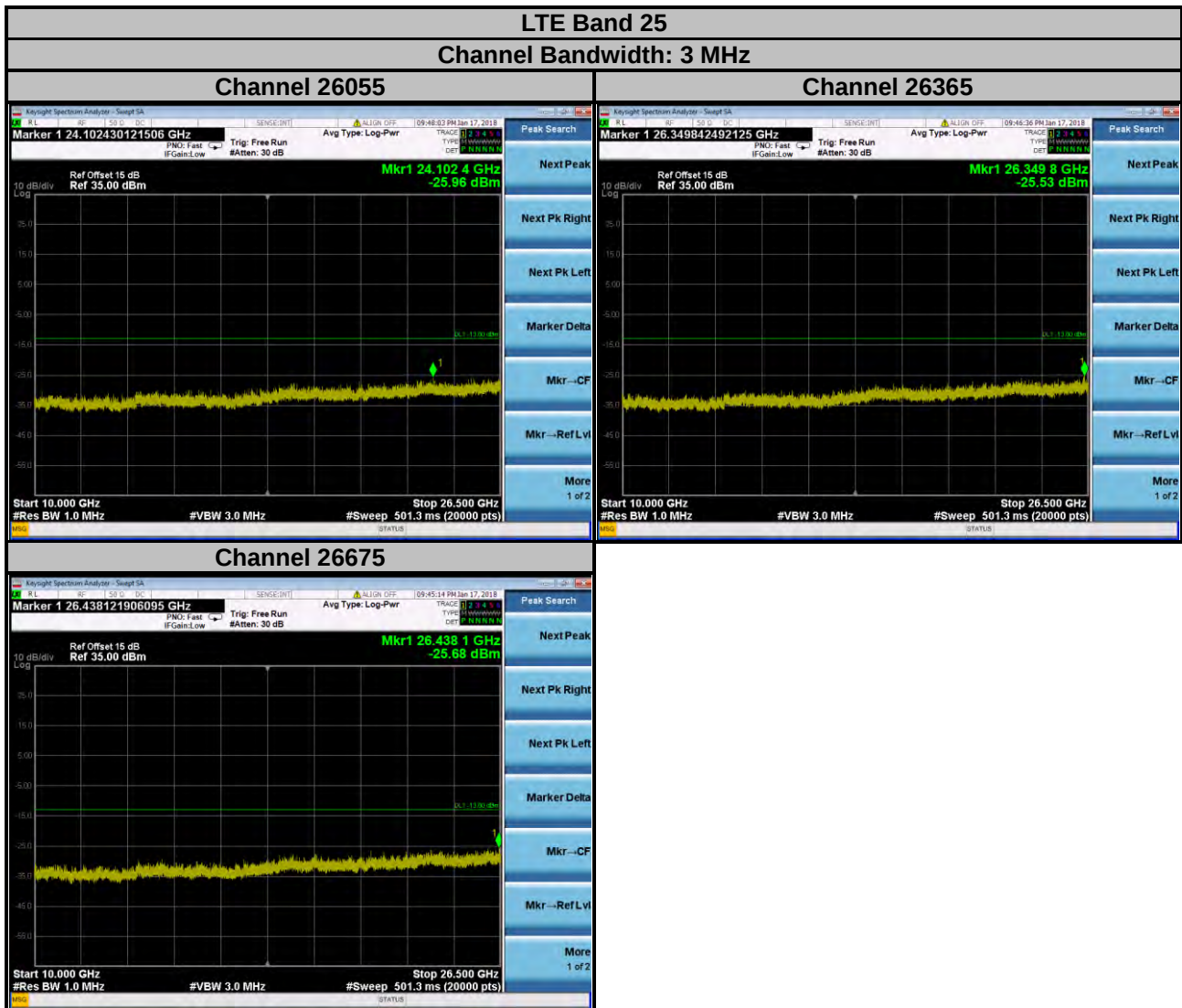


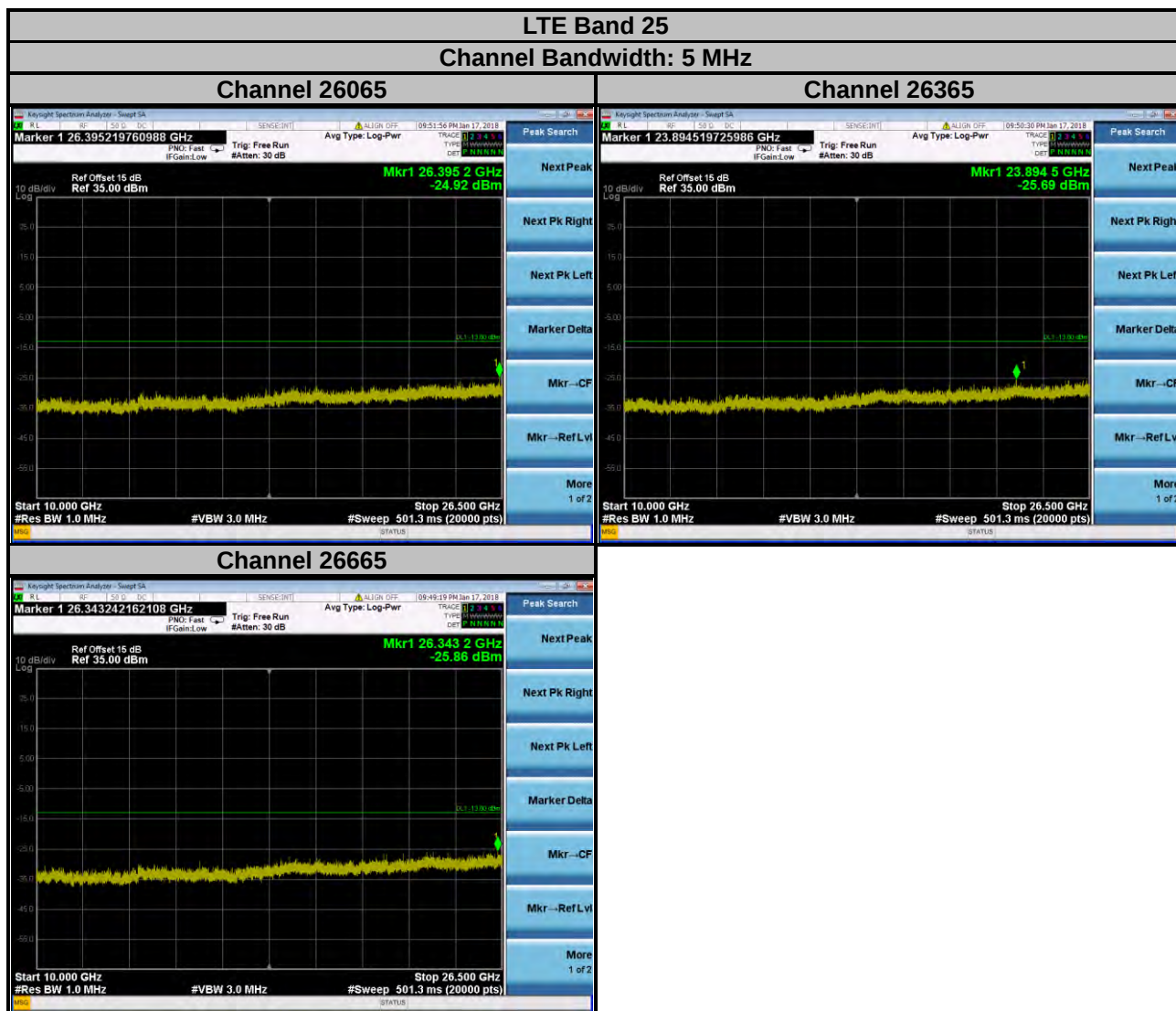


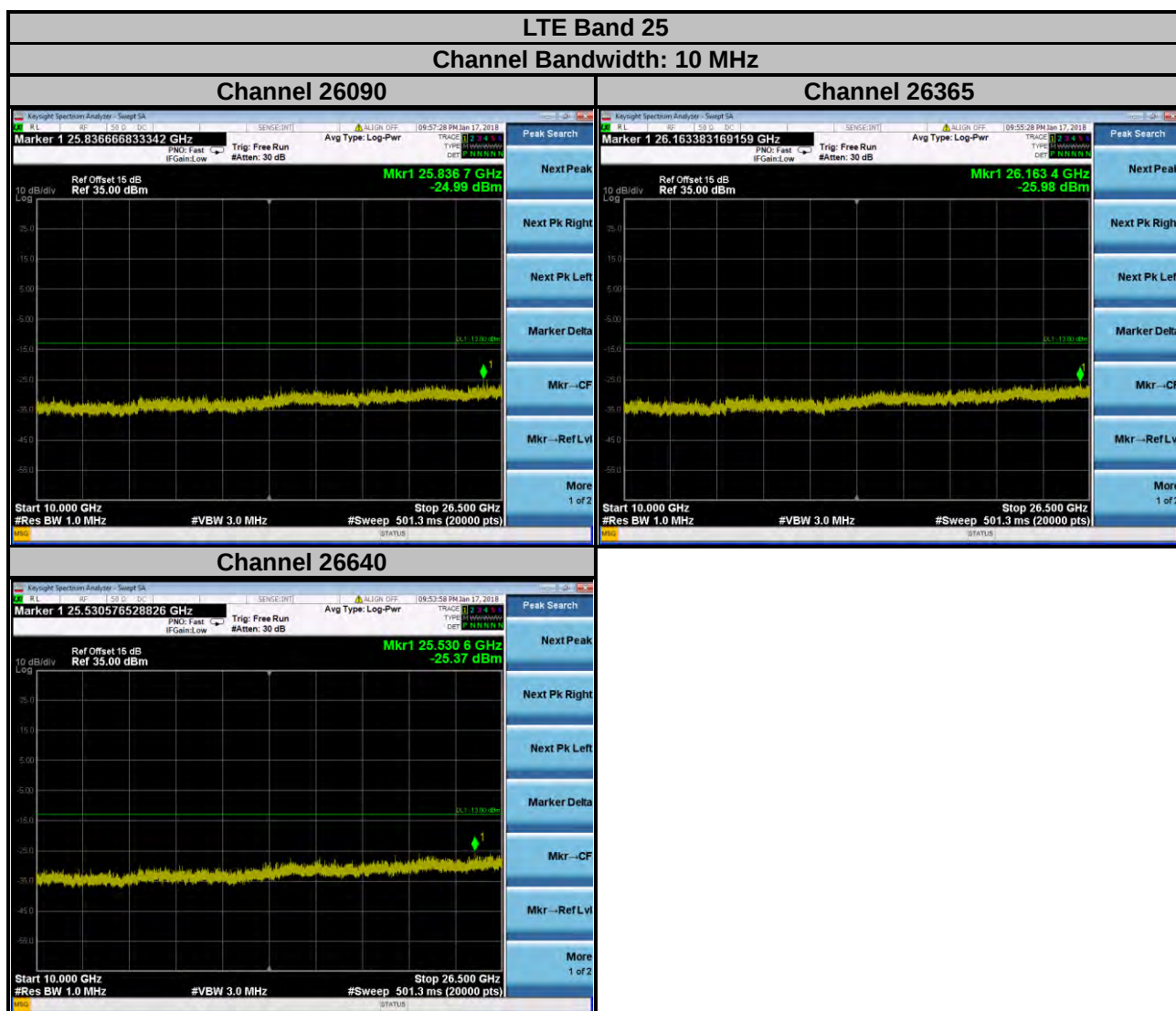


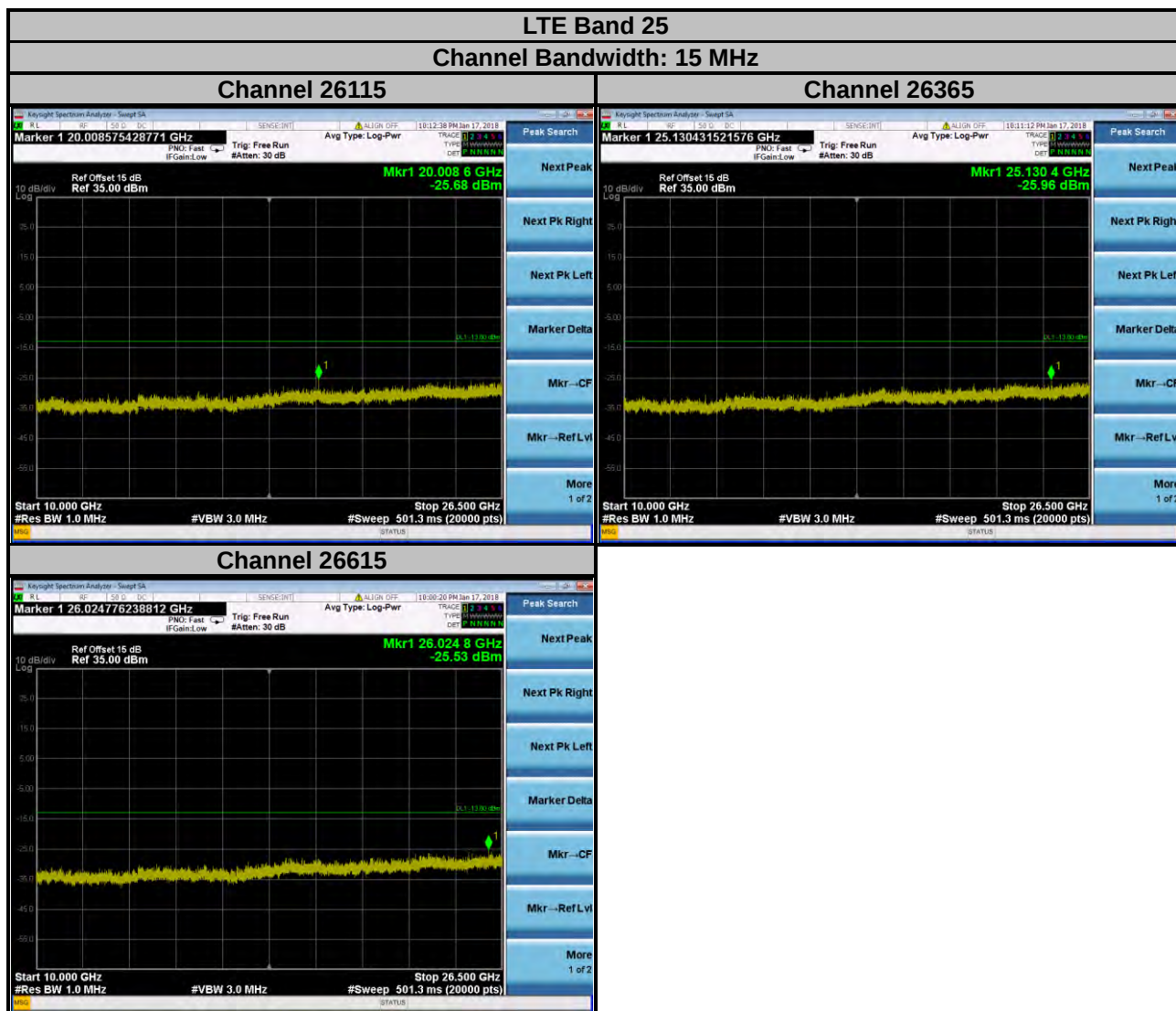
10GHz ~ 26.5GHz

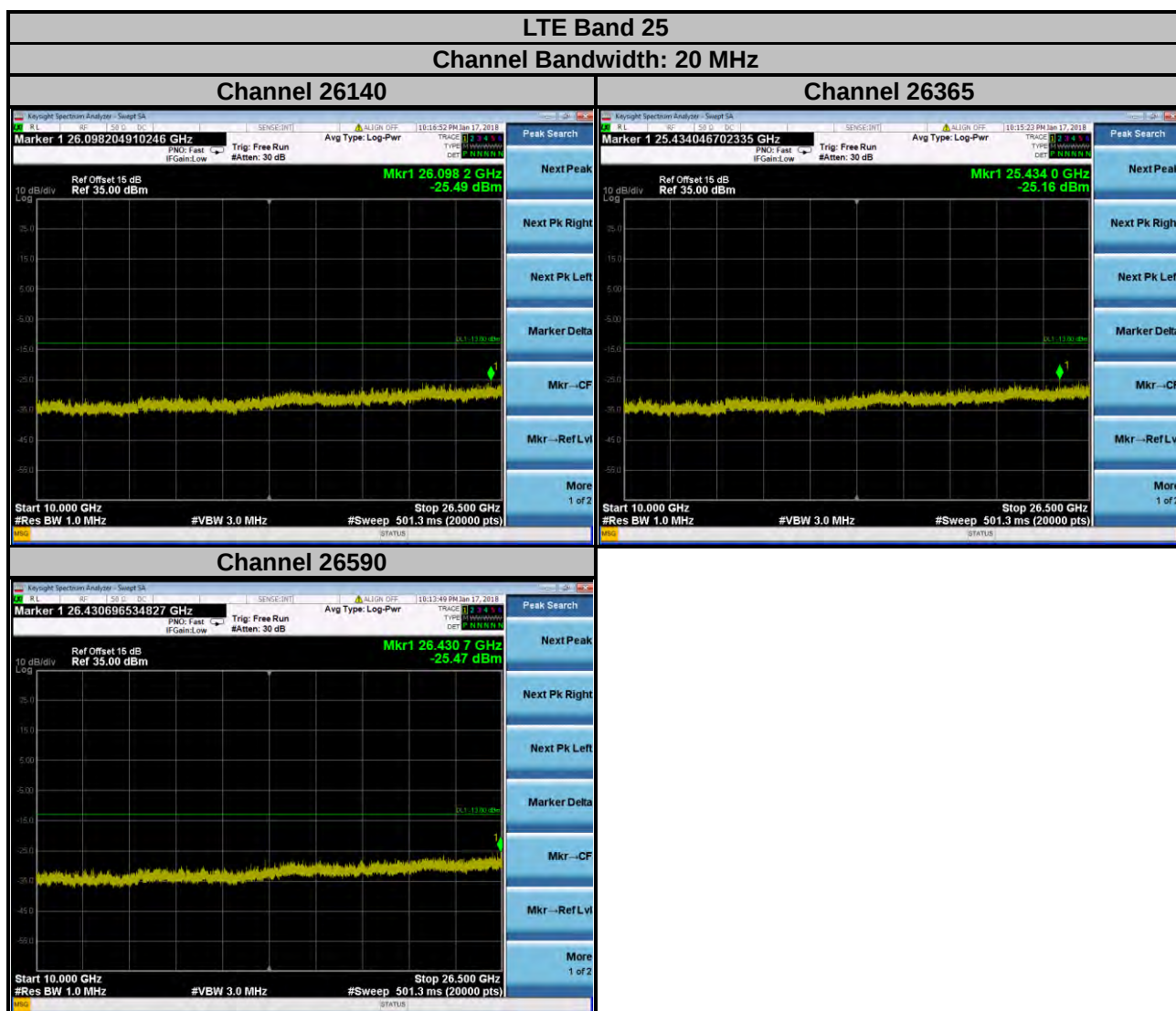












4.7 Radiated Emission Measurement

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

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

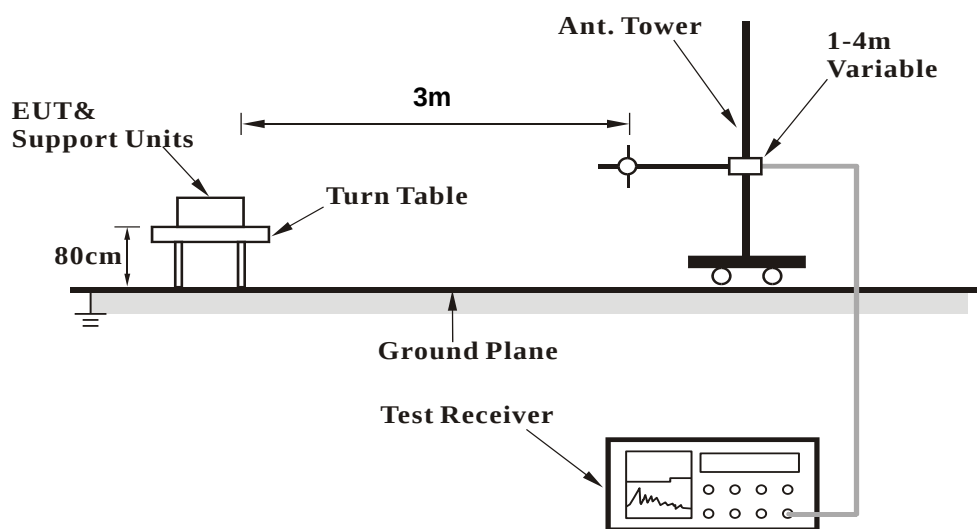
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

4.7.3 Deviation from Test Standard

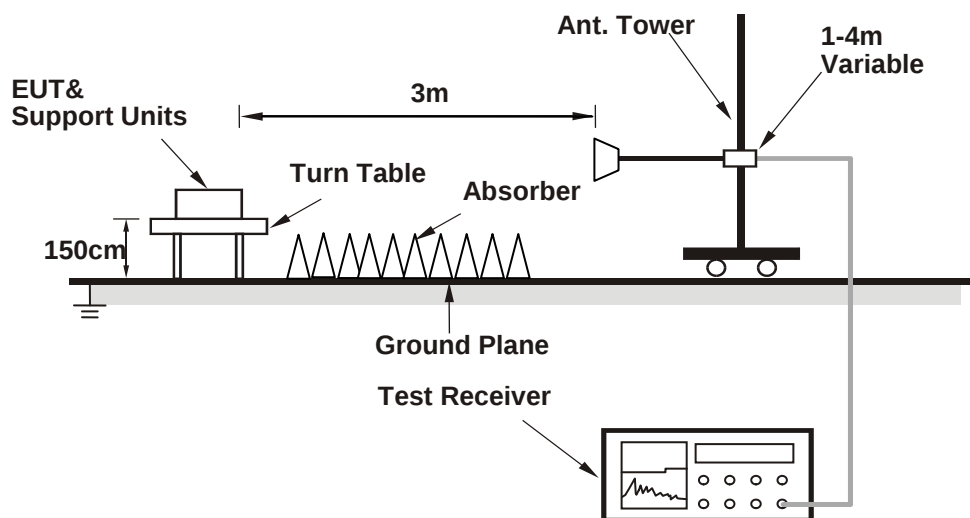
No deviation.

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

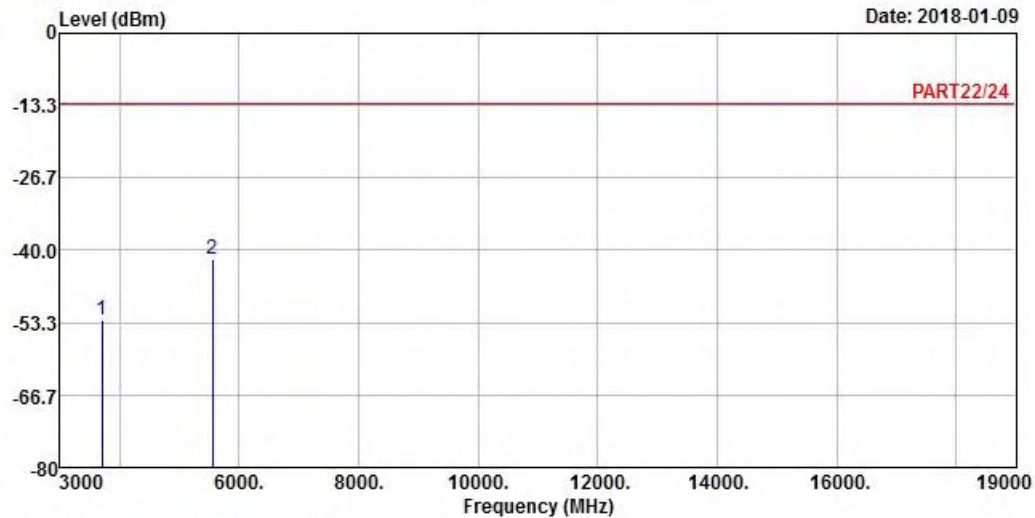


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-01-09



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remark : GPRS 1900 Link_L-CH

Tested by: Getaz Yang

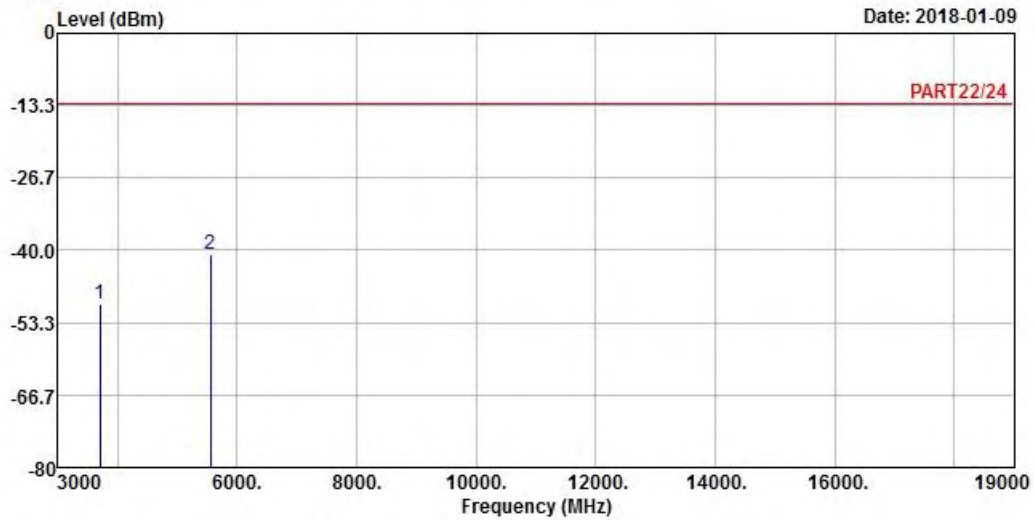
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3700.40	-52.74	-44.57	-13.00	-39.74	-8.17	Peak
2 pp	5550.60	-41.58	-40.13	-13.00	-28.58	-1.45	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : GPRS 1900 Link_L-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3700.40	-50.03	-41.86	-13.00	-37.03	-8.17	Peak
2 pp	5550.60	-40.80	-39.35	-13.00	-27.80	-1.45	Peak

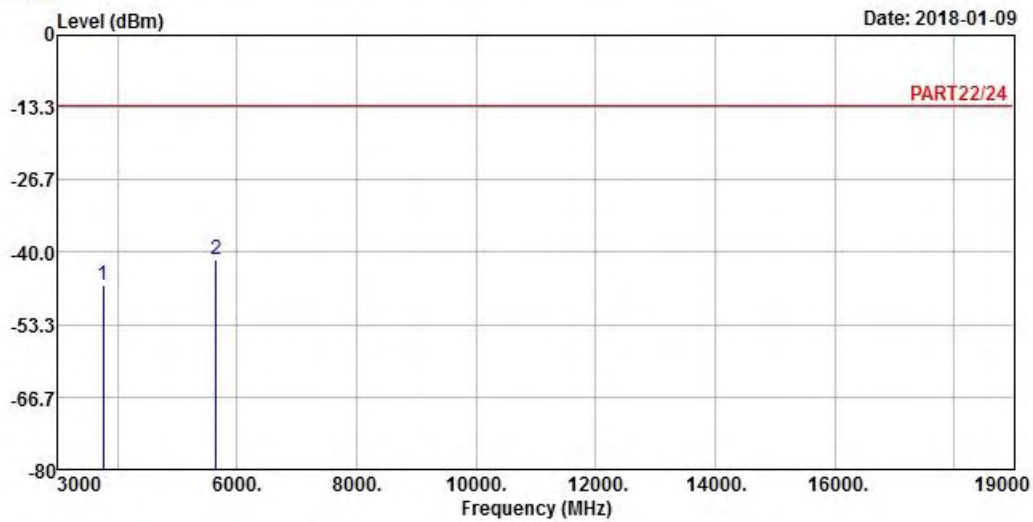
Middle Channel



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Data: 3



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

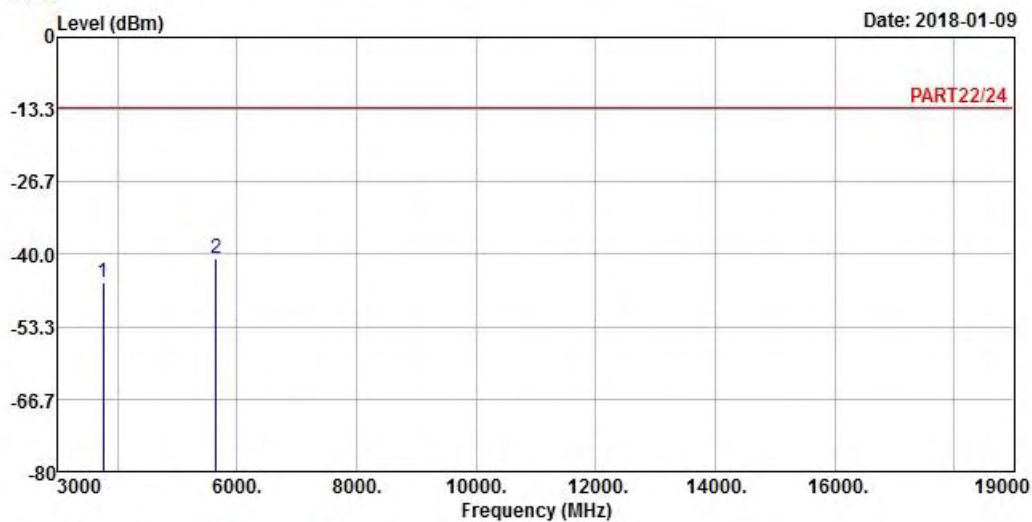
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-46.18	-38.12	-13.00	-33.18	-8.06	Peak
2 pp	5640.00	-41.32	-39.38	-13.00	-28.32	-1.94	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remark : GPRS 1900 Link_M-CH
 Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-45.13	-37.07	-13.00	-32.13	-8.06	Peak
2 pp	5640.00	-40.75	-38.81	-13.00	-27.75	-1.94	Peak

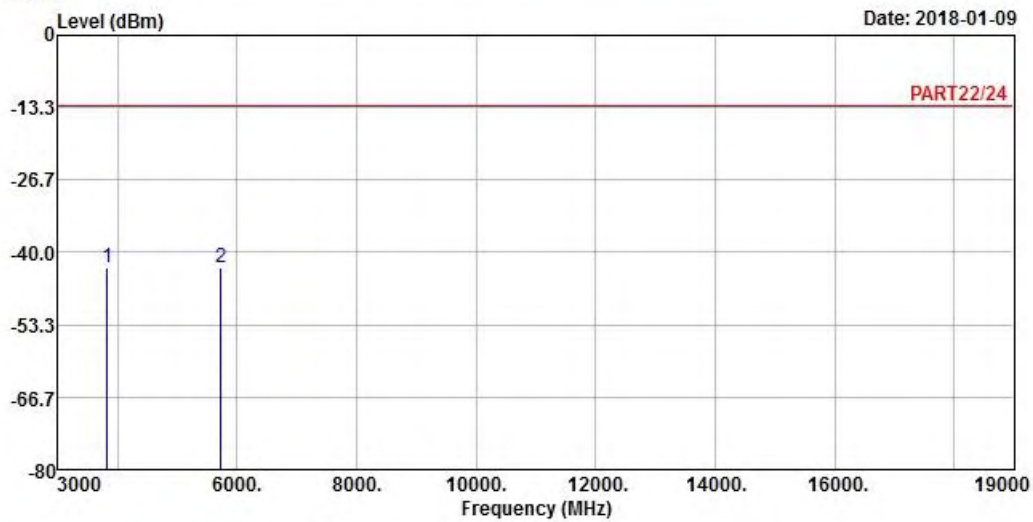
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



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

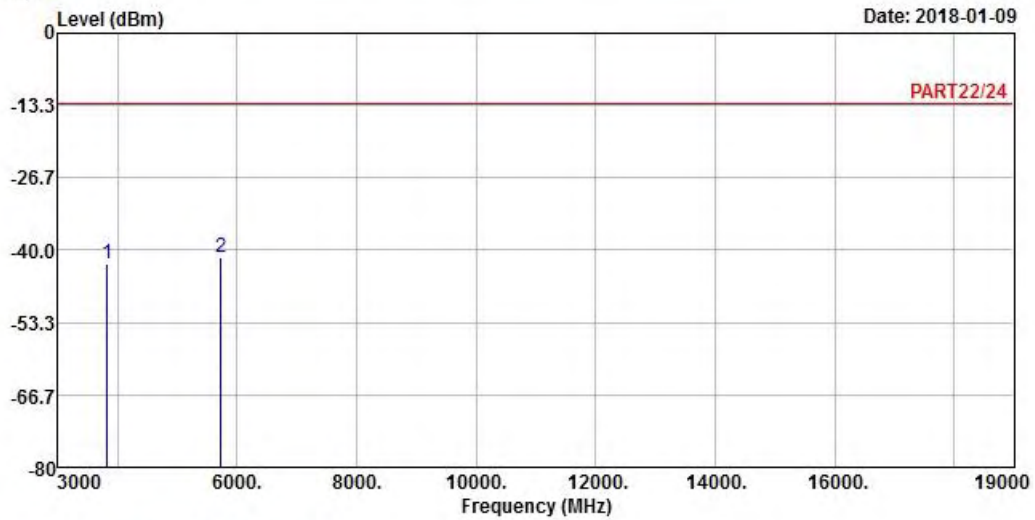
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 3819.60	-42.82	-35.14	-13.00	-29.82	-7.68	Peak
2	5729.40	-42.93	-41.35	-13.00	-29.93	-1.58	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART22/24 VERTICAL
 Remark : GPRS 1900 Link_H-CH
 Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3819.60	-42.43	-34.75	-13.00	-29.43	-7.68	Peak
2 pp	5729.40	-41.32	-39.74	-13.00	-28.32	-1.58	Peak

EDGE:
Low Channel

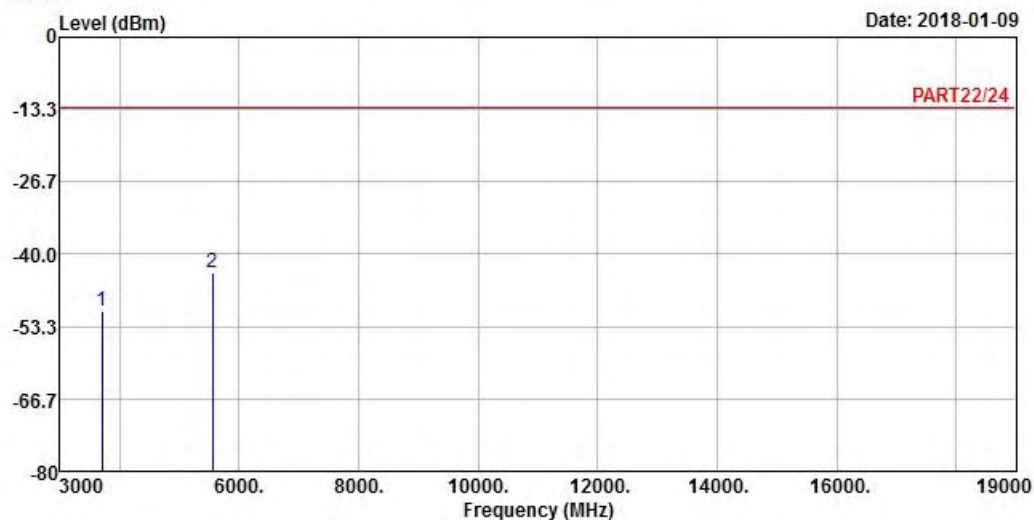


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-01-09



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

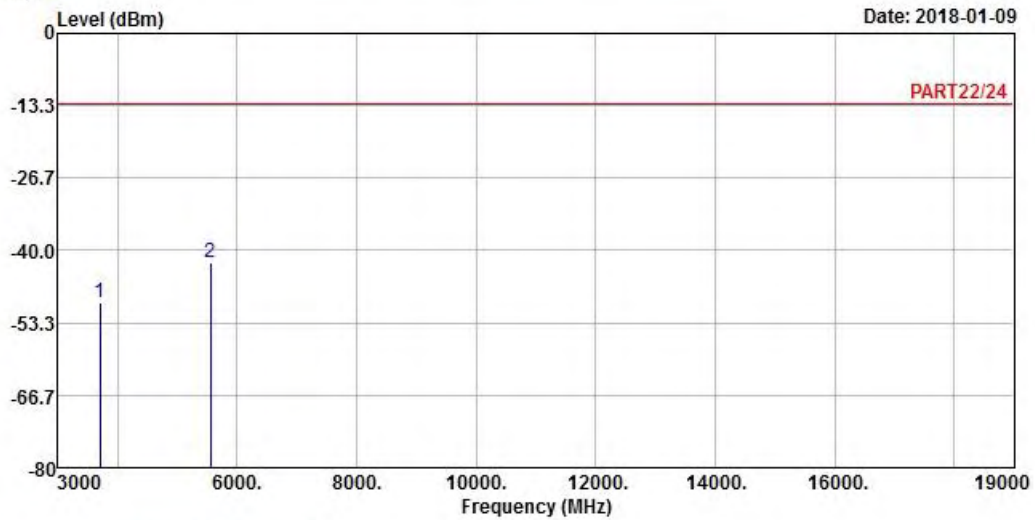
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3700.40	-50.62	-42.45	-13.00	-37.62	-8.17	Peak
2 pp	5550.60	-43.52	-42.07	-13.00	-30.52	-1.45	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 4



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

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3700.40	-49.56	-41.39	-13.00	-36.56	-8.17	Peak
2 pp	5550.60	-42.26	-40.81	-13.00	-29.26	-1.45	Peak

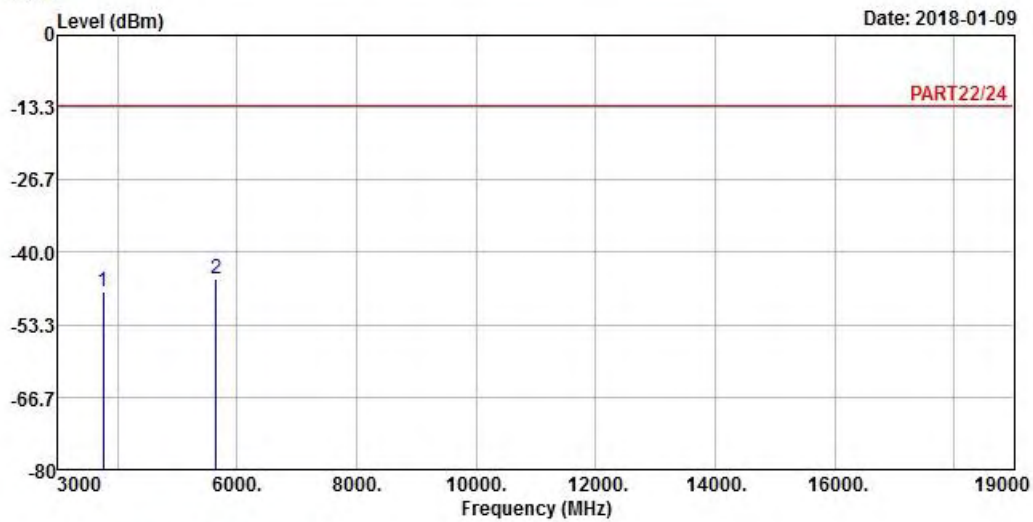
Middle Channel



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

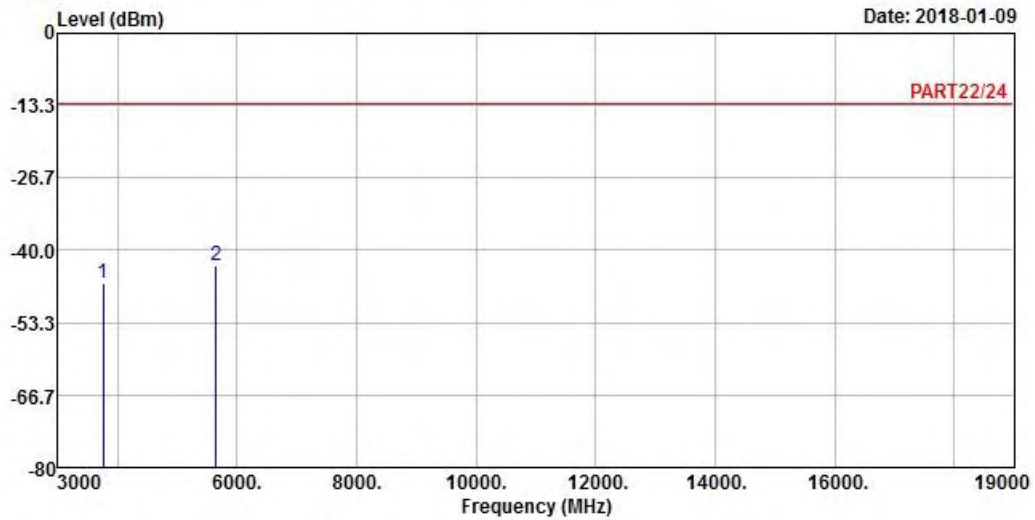
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-47.28	-39.22	-13.00	-34.28	-8.06	Peak
2 pp	5640.00	-44.93	-42.99	-13.00	-31.93	-1.94	Peak



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A D T

Data: 4



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

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-46.06	-38.00	-13.00	-33.06	-8.06	Peak
2 pp	5640.00	-42.76	-40.82	-13.00	-29.76	-1.94	Peak

High Channel

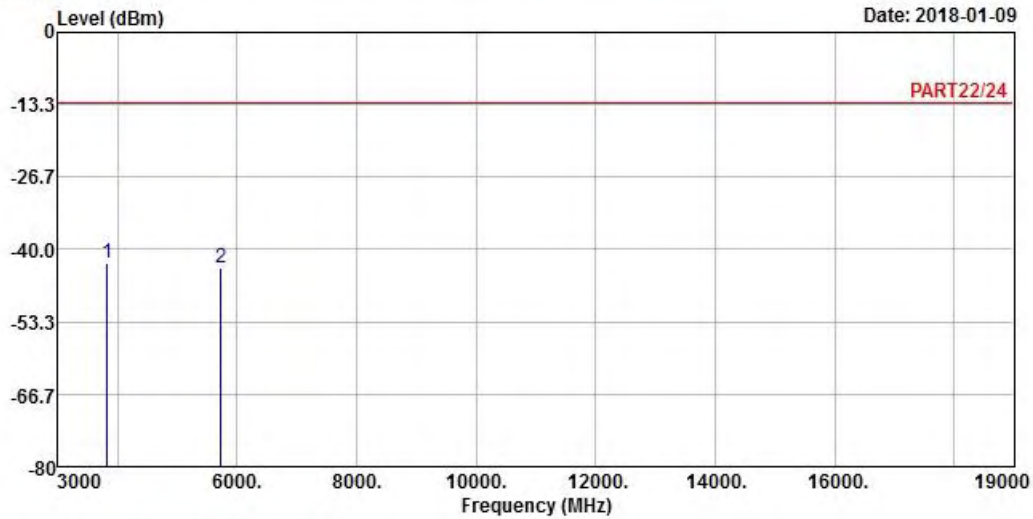


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-01-09



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

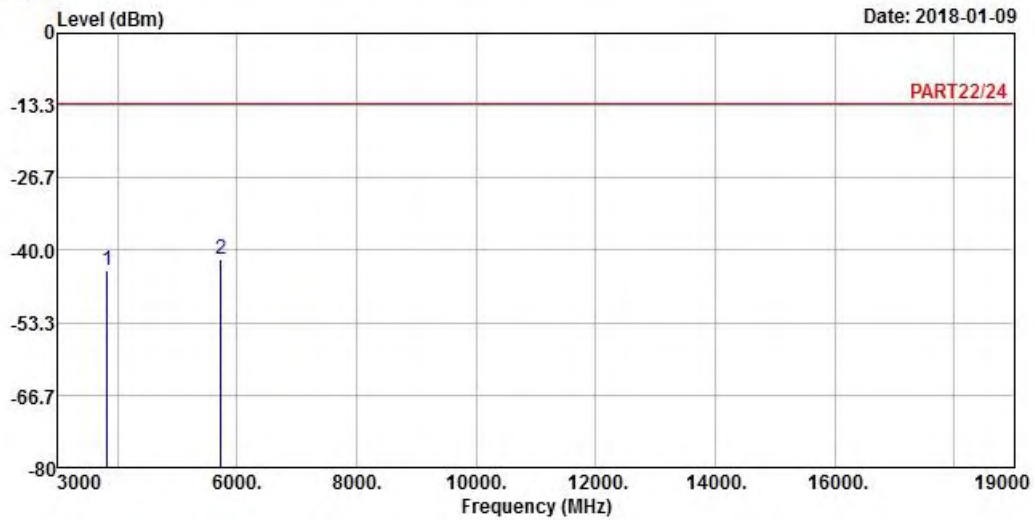
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3819.60	-42.42	-34.74	-13.00	-29.42	-7.68	Peak
2	5729.40	-43.30	-41.72	-13.00	-30.30	-1.58	Peak



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_H-CH
 Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3819.60	-43.64	-35.96	-13.00	-30.64	-7.68	Peak
2 pp	5729.40	-41.54	-39.96	-13.00	-28.54	-1.58	Peak

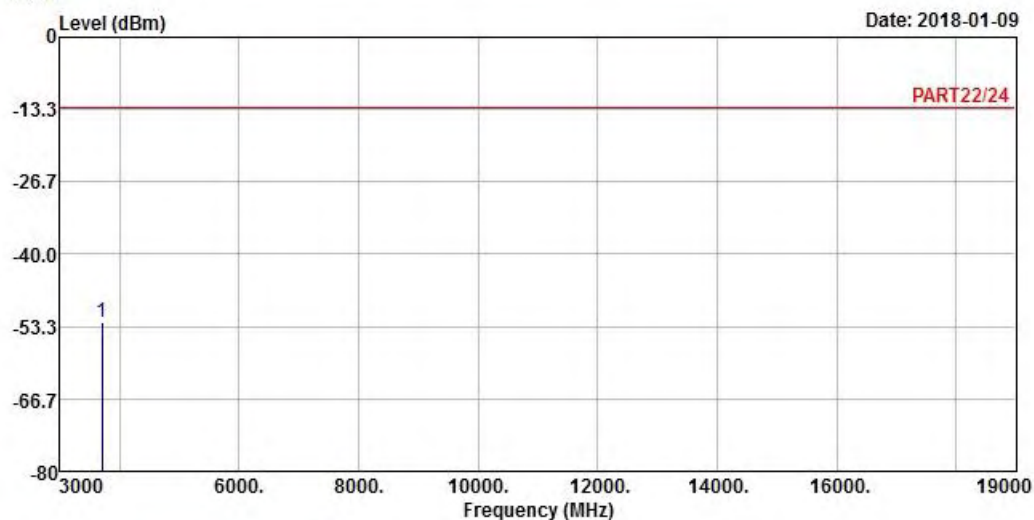
WCDMA:
Low Channel



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

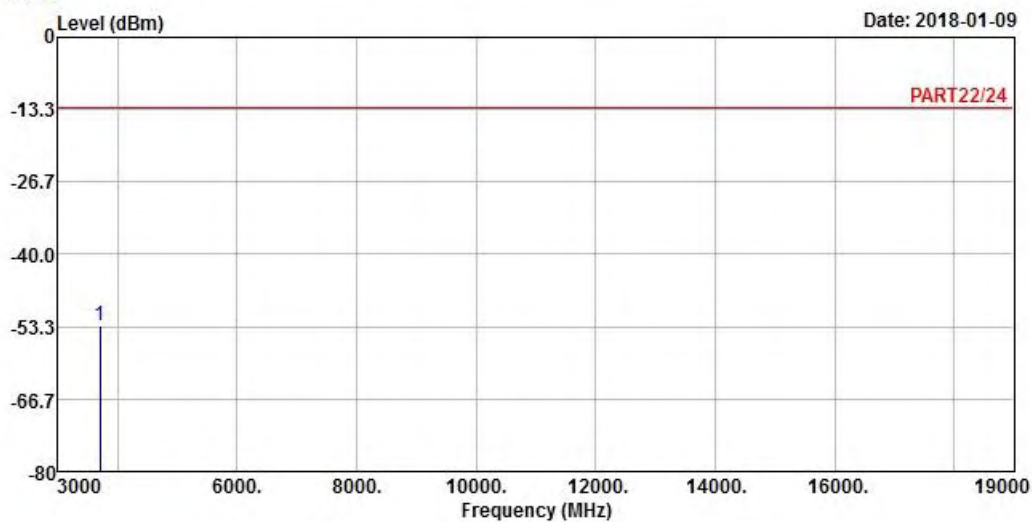
Freq	Level	Read	Limit	Over	Factor	Remark
		Level	Line	Limit		
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3704.80	-52.67	-44.50	-13.00	-39.67	-8.17	Peak



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 -53.14 -44.97 -13.00 -40.14 -8.17 Peak

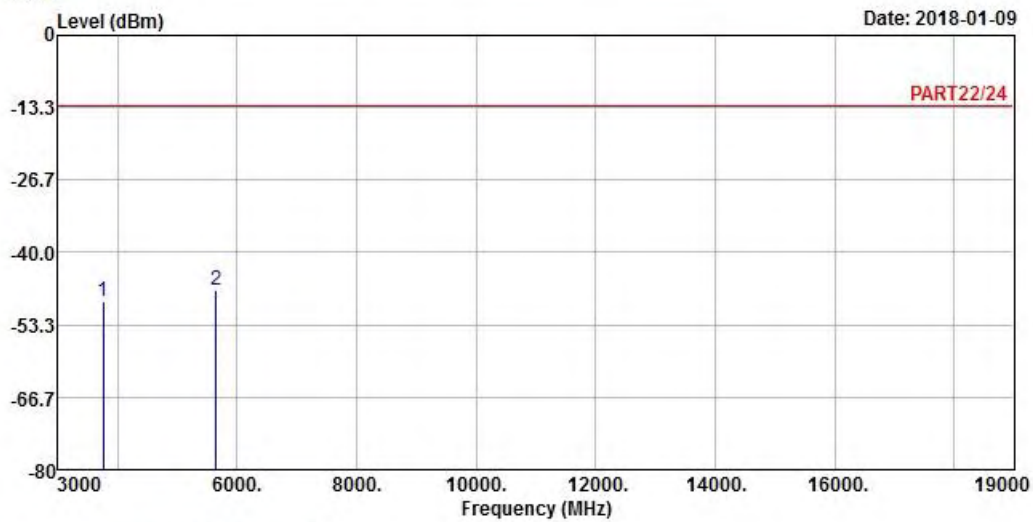
Middle Channel



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

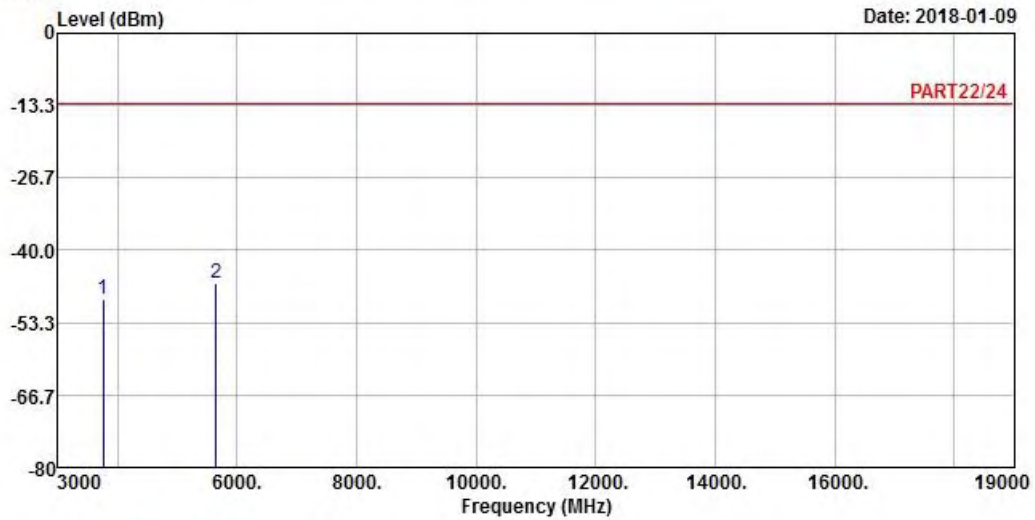
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-48.86	-40.80	-13.00	-35.86	-8.06	Peak
2 pp	5640.00	-46.96	-45.02	-13.00	-33.96	-1.94	Peak



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

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-48.90	-40.84	-13.00	-35.90	-8.06	Peak
2 pp	5640.00	-45.93	-43.99	-13.00	-32.93	-1.94	Peak

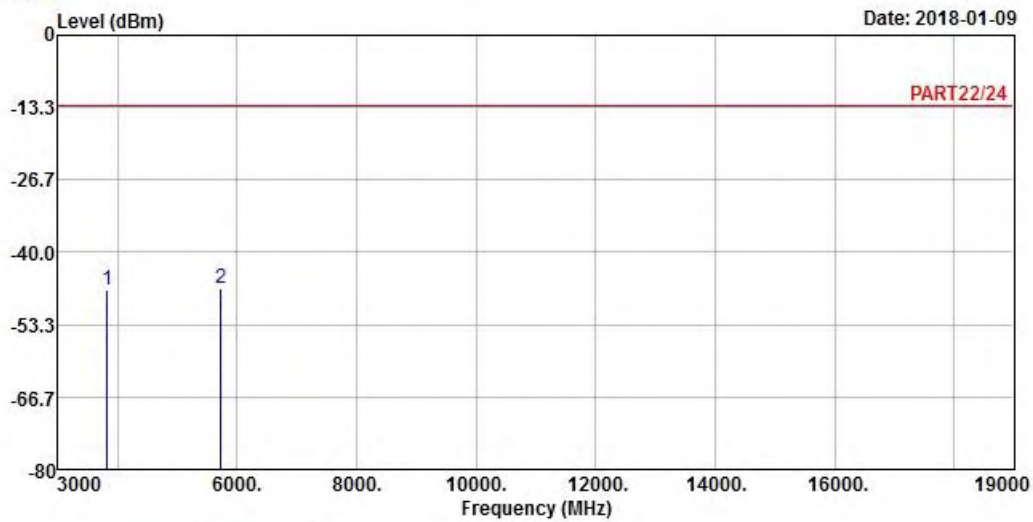
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART22/24 HORIZONTAL
 Remark : WCDMA Band 2 Link_H-CH
 Tested by: Jisyong Wang

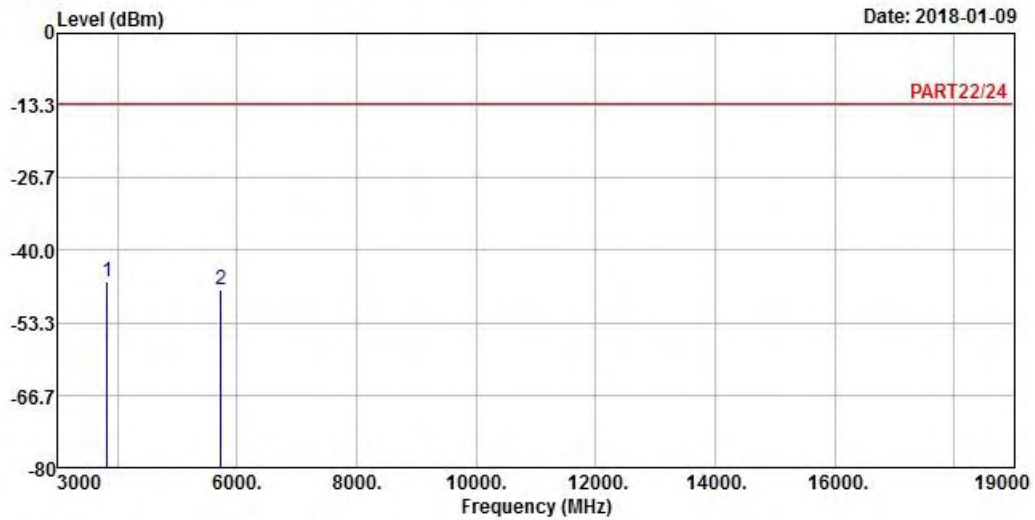
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3815.20	-46.81	-39.03	-13.00	-33.81	-7.78	Peak
2 pp	5722.80	-46.68	-44.92	-13.00	-33.68	-1.76	Peak



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 Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3815.20	-45.66	-37.88	-13.00	-32.66	-7.78	Peak
2	5722.80	-47.33	-45.57	-13.00	-34.33	-1.76	Peak

CDMA:
Low Channel

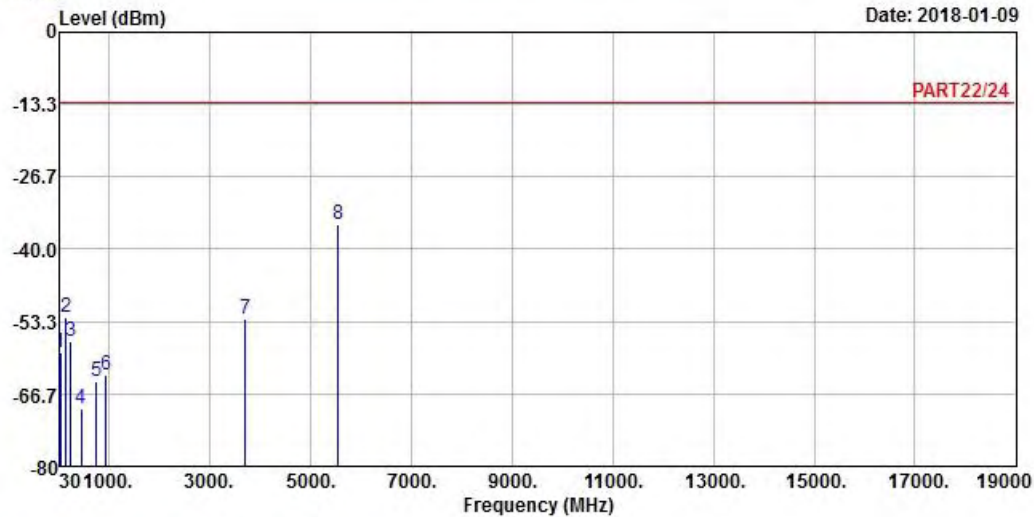


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-01-09



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

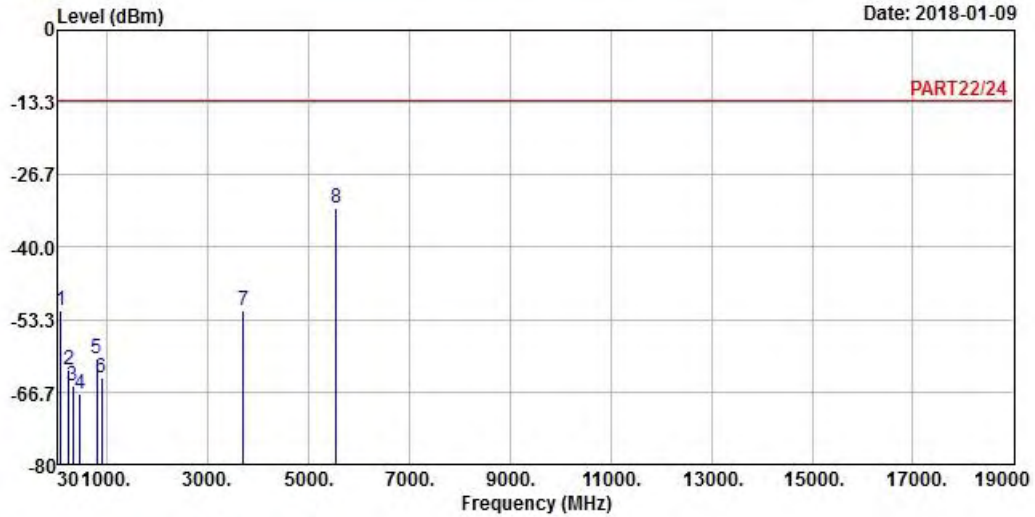
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-59.08	-59.20	-13.00	-46.08	0.12	Peak
2	142.52	-52.44	-44.08	-13.00	-39.44	-8.36	Peak
3	244.37	-57.12	-50.89	-13.00	-44.12	-6.23	Peak
4	455.83	-69.37	-63.93	-13.00	-56.37	-5.44	Peak
5	745.86	-64.29	-65.09	-13.00	-51.29	0.80	Peak
6	937.92	-63.17	-64.68	-13.00	-50.17	1.51	Peak
7	3702.50	-52.92	-44.75	-13.00	-39.92	-8.17	Peak
8 pp	5553.75	-35.45	-34.00	-13.00	-22.45	-1.45	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remark : CDMA BC1 Link_L-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	78.50	-51.67	-41.24	-13.00	-38.67	-10.43	Peak
2	246.31	-62.50	-56.35	-13.00	-49.50	-6.15	Peak
3	321.00	-65.42	-58.73	-13.00	-52.42	-6.69	Peak
4	463.59	-66.89	-61.59	-13.00	-53.89	-5.30	Peak
5	800.18	-60.38	-61.12	-13.00	-47.38	0.74	Peak
6	888.45	-64.01	-64.52	-13.00	-51.01	0.51	Peak
7	3702.50	-51.58	-43.41	-13.00	-38.58	-8.17	Peak
8 pp	5553.75	-32.75	-31.30	-13.00	-19.75	-1.45	Peak

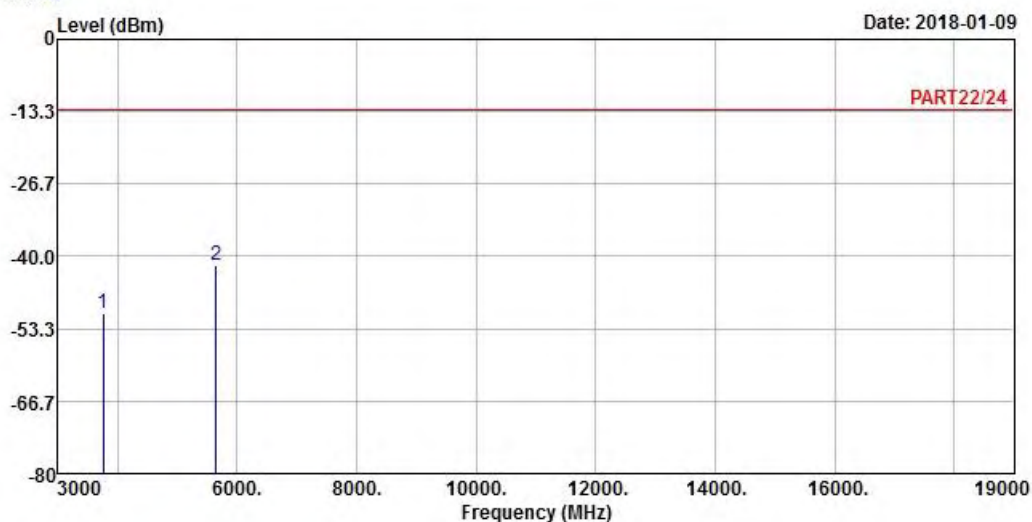
Middle Channel



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

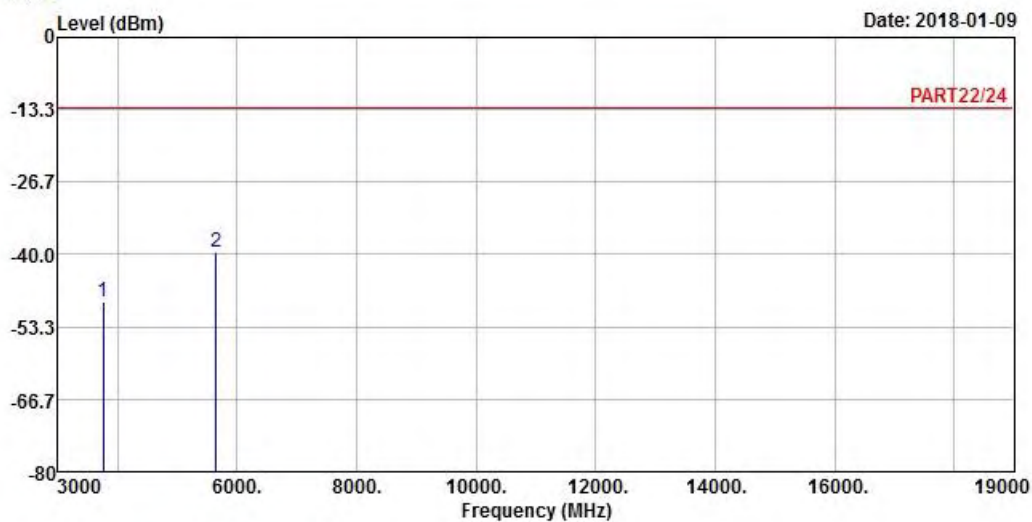
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-50.47	-42.41	-13.00	-37.47	-8.06	Peak
2 pp	5640.00	-41.72	-39.78	-13.00	-28.72	-1.94	Peak



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

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3760.00	-48.61	-40.55	-13.00	-35.61	-8.06	Peak
2 pp	5640.00	-39.45	-37.51	-13.00	-26.45	-1.94	Peak

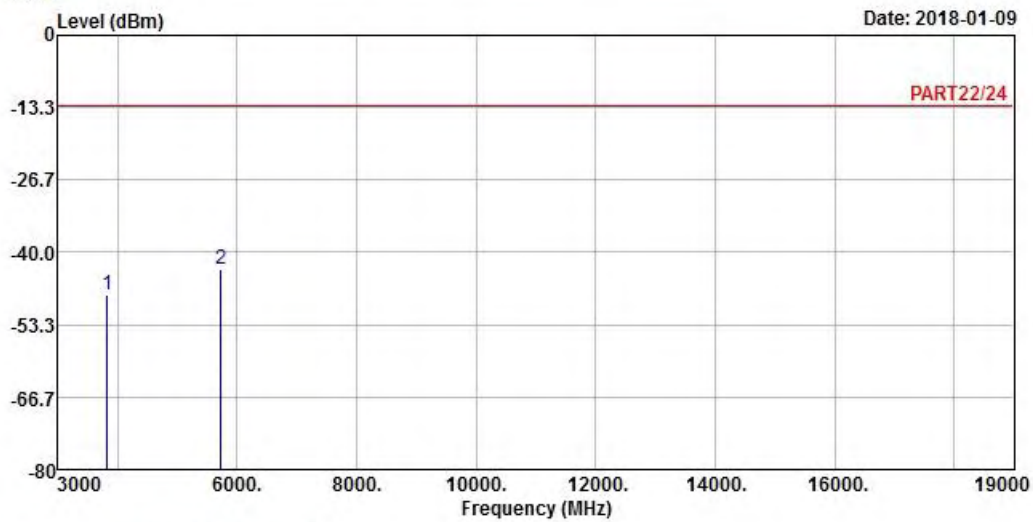
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



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

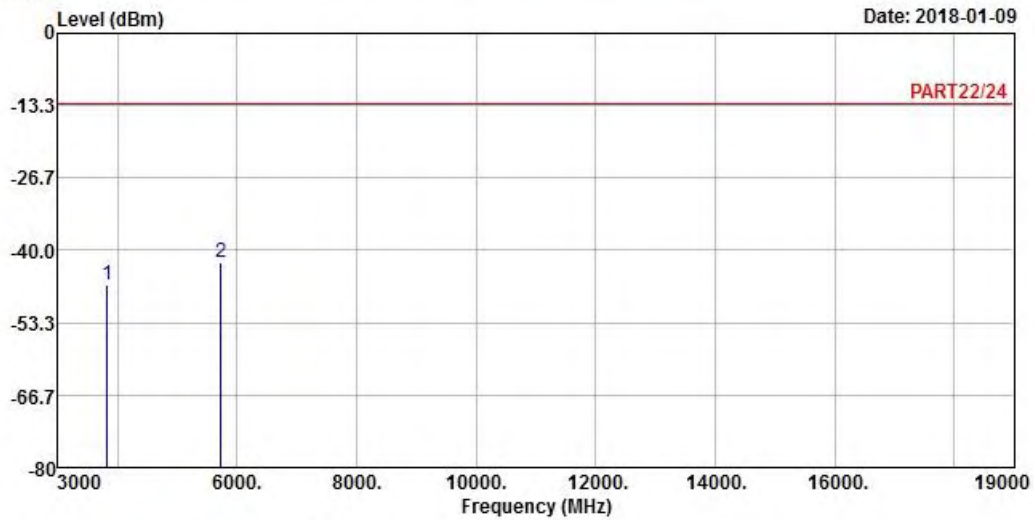
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3817.50	-47.72	-40.04	-13.00	-34.72	-7.68	Peak
2 pp	5726.25	-43.17	-41.59	-13.00	-30.17	-1.58	Peak



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

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3817.50	-46.20	-38.52	-13.00	-33.20	-7.68	Peak
2 pp	5726.25	-42.19	-40.61	-13.00	-29.19	-1.58	Peak

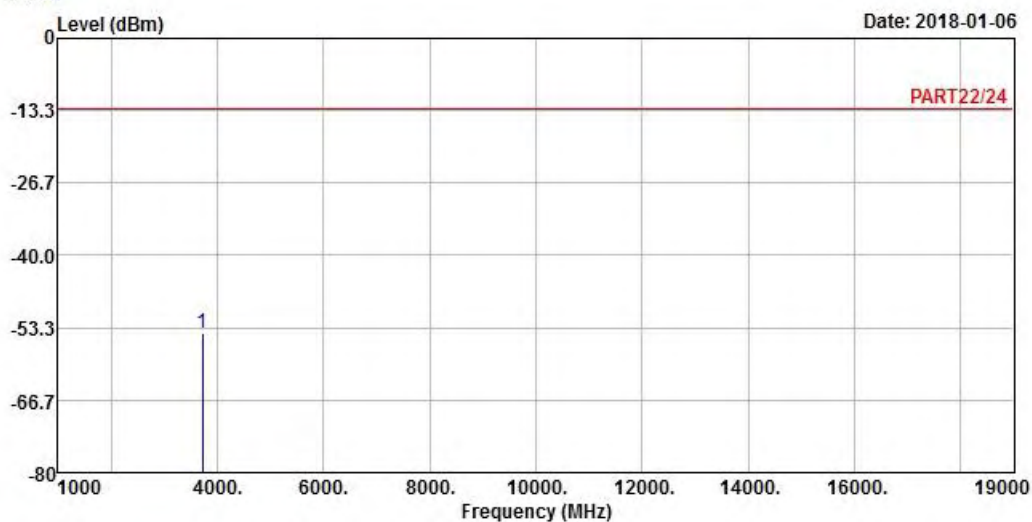
LTE Band 2
Channel Bandwidth: 20 MHz / QPSK
Low Channel



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

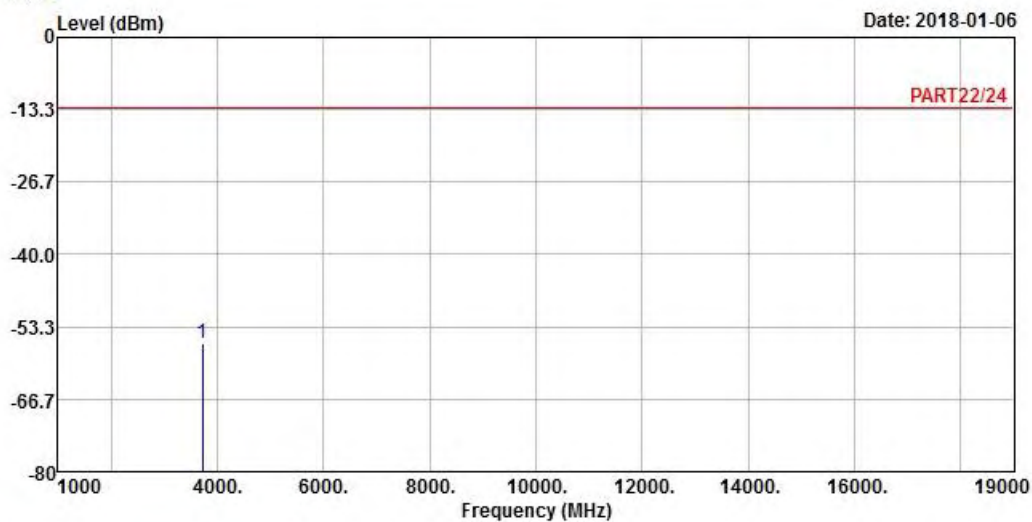
1 pp 3720.00 -54.33 -46.20 -13.00 -41.33 -8.13 Peak



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 -56.37 -48.24 -13.00 -43.37 -8.13 Peak

Middle Channel

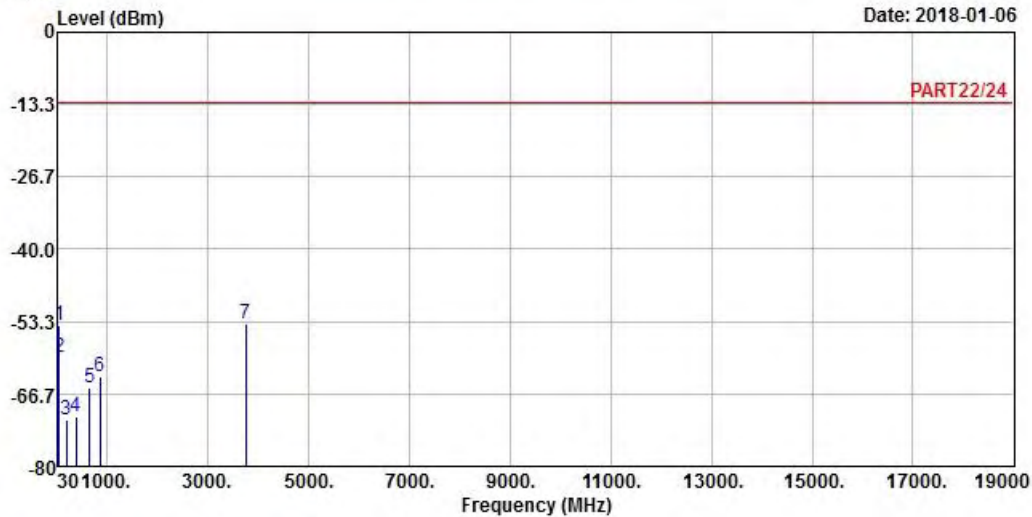


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7

Date: 2018-01-06



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_M-CH

Tested by: Jisyong Wang

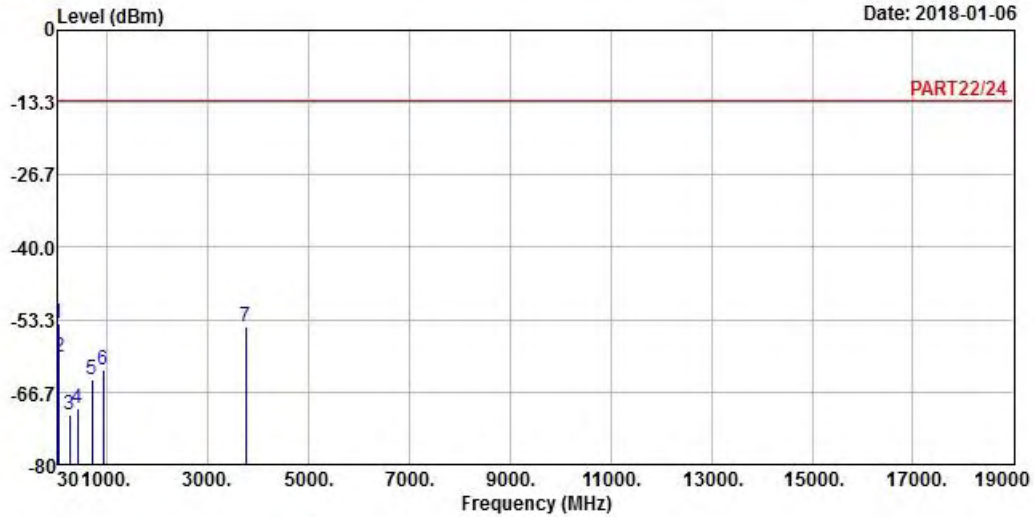
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	42.96	-54.15	-53.21	-13.00	-41.15	-0.94	Peak
2	53.22	-60.01	-54.20	-13.00	-47.01	-5.81	Peak
3	189.30	-71.44	-64.32	-13.00	-58.44	-7.12	Peak
4	377.70	-70.78	-64.70	-13.00	-57.78	-6.08	Peak
5	659.10	-65.40	-64.67	-13.00	-52.40	-0.73	Peak
6	861.40	-63.60	-63.96	-13.00	-50.60	0.36	Peak
7 pp	3760.00	-53.64	-45.58	-13.00	-40.64	-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

		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp	42.69	-54.04	-53.10	-13.00	-41.04	-0.94 Peak
2	52.95	-60.33	-54.52	-13.00	-47.33	-5.81 Peak
3	254.64	-70.70	-64.61	-13.00	-57.70	-6.09 Peak
4	421.80	-69.68	-63.91	-13.00	-56.68	-5.77 Peak
5	696.90	-64.43	-64.29	-13.00	-51.43	-0.14 Peak
6	918.10	-62.60	-63.63	-13.00	-49.60	1.03 Peak
7	3760.00	-54.48	-46.42	-13.00	-41.48	-8.06 Peak

High Channel

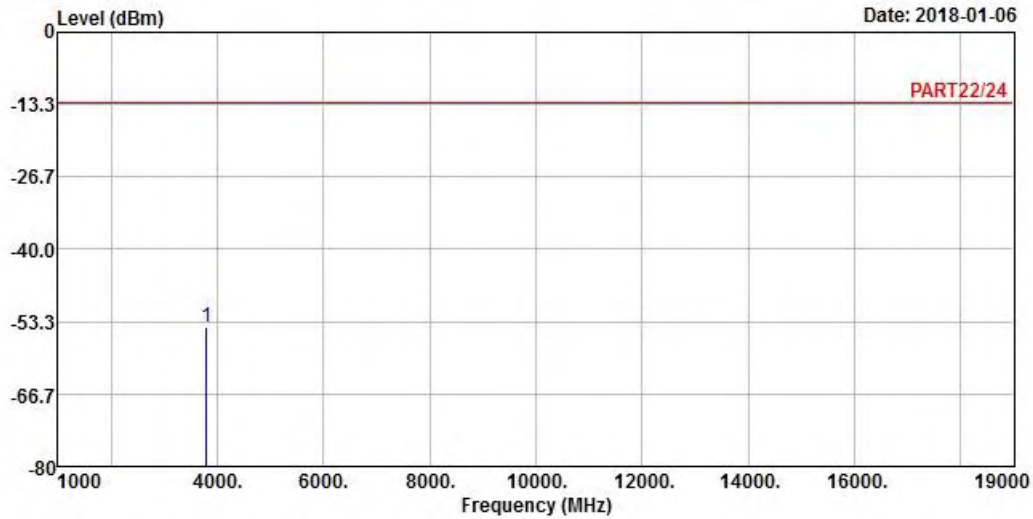


Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 3

Date: 2018-01-06



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL

Remak : LTE Band 2 QPSK_20M Link_H-CH

Tested by: Jisyong Wang

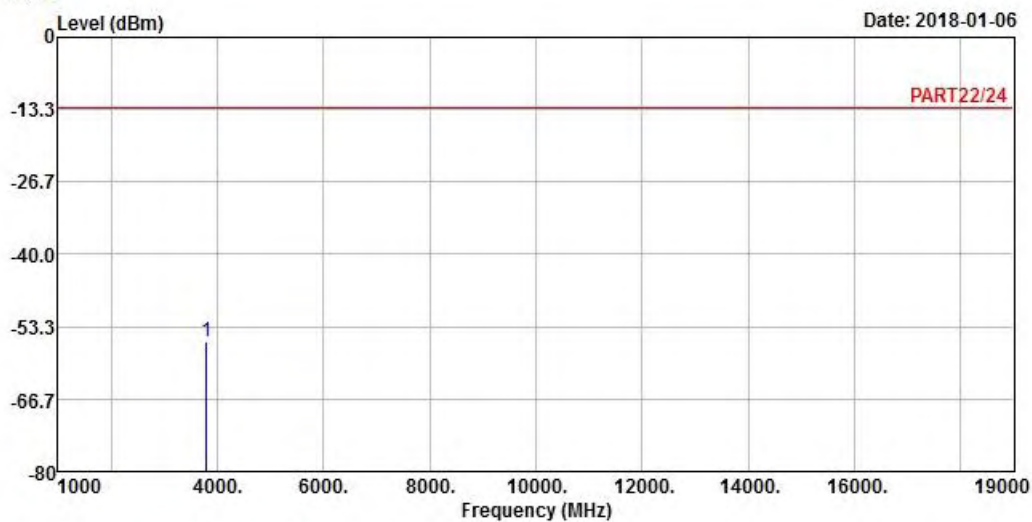
Freq	Level	Read	Limit	Over	Factor	Remark
		Level	Line	Limit		
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3800.00	-54.42	-46.64	-13.00	-41.42	-7.78	Peak



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 -56.08 -48.30 -13.00 -43.08 -7.78 Peak

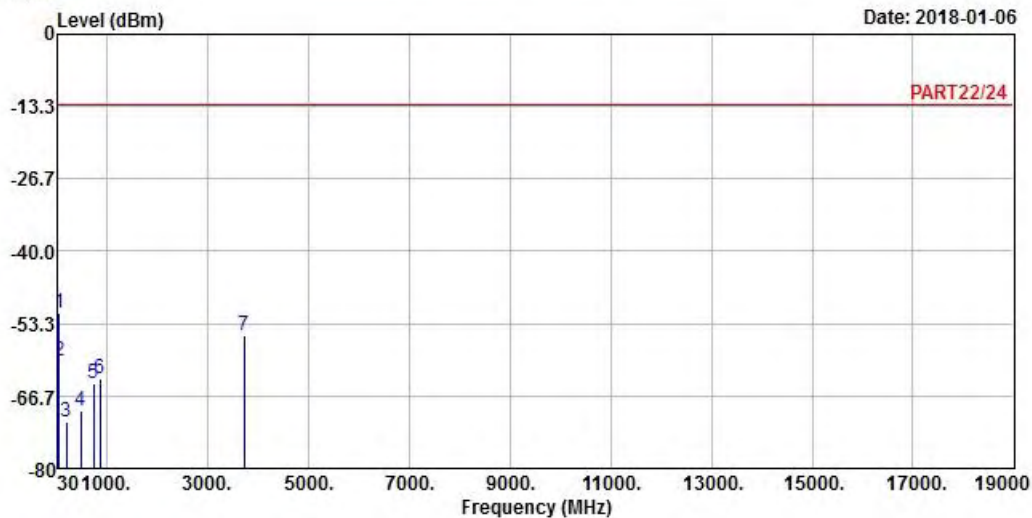
LTE Band 25
Channel Bandwidth: 20 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : LTE Band 25 QPSK_20M Link_L-CH
Tested by: Jisyong Wang

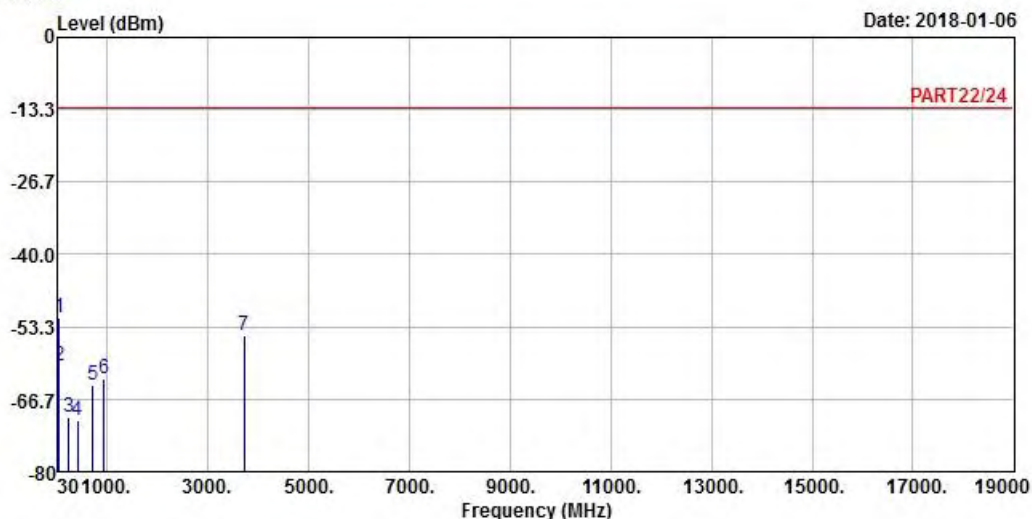
		Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor Remark
	MHz	dBm	dBm	dBm	dB	dB
1 pp	43.77	-51.38	-49.91	-13.00	-38.38	-1.47 Peak
2	52.41	-60.24	-54.70	-13.00	-47.24	-5.54 Peak
3	195.78	-71.48	-63.83	-13.00	-58.48	-7.65 Peak
4	484.10	-69.45	-64.53	-13.00	-56.45	-4.92 Peak
5	727.00	-64.24	-64.68	-13.00	-51.24	0.44 Peak
6	860.70	-63.34	-63.69	-13.00	-50.34	0.35 Peak
7	3720.00	-55.46	-47.33	-13.00	-42.46	-8.13 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 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	42.96	-51.65	-50.71	-13.00	-38.65	-0.94 Peak
2	52.68	-60.41	-54.87	-13.00	-47.41	-5.54 Peak
3	248.43	-70.10	-64.03	-13.00	-57.10	-6.07 Peak
4	414.10	-70.58	-64.75	-13.00	-57.58	-5.83 Peak
5	711.60	-64.05	-64.18	-13.00	-51.05	0.13 Peak
6	943.30	-62.86	-64.51	-13.00	-49.86	1.65 Peak
7	3720.00	-54.91	-46.78	-13.00	-41.91	-8.13 Peak

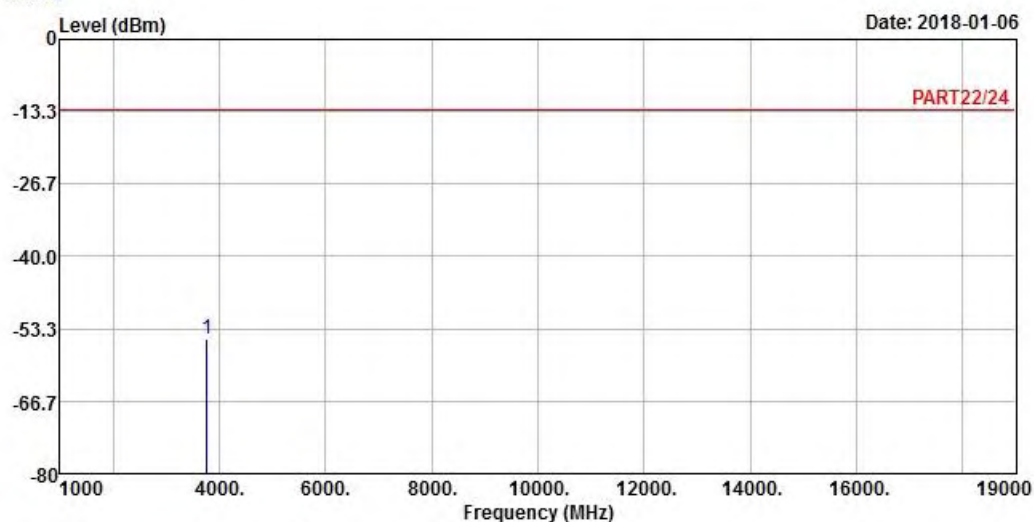
Middle Channel



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_M-CH

Tested by: Jisyong Wang

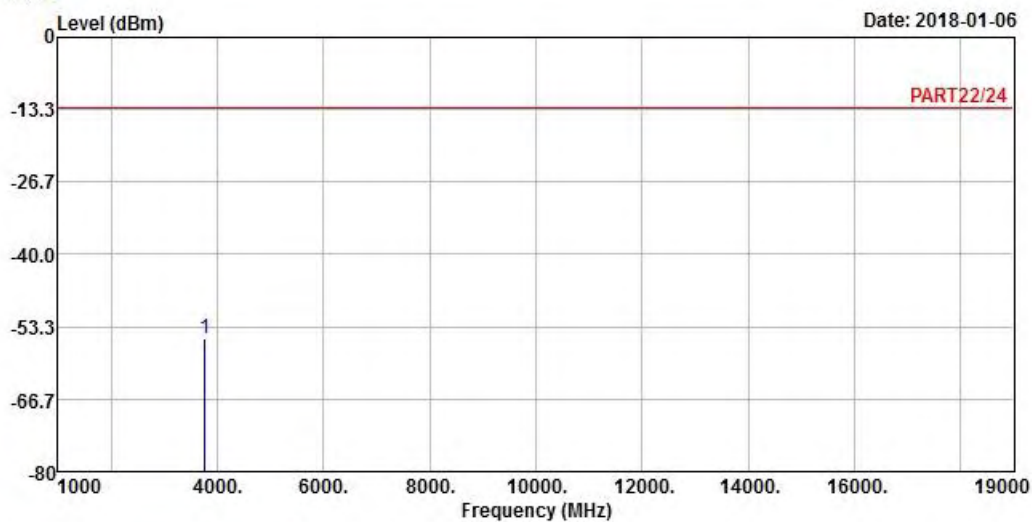
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3765.00	-55.19	-47.22	-13.00	-42.19	-7.97	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band 25 QPSK_20M 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 3765.00 -55.42 -47.45 -13.00 -42.42 -7.97 Peak

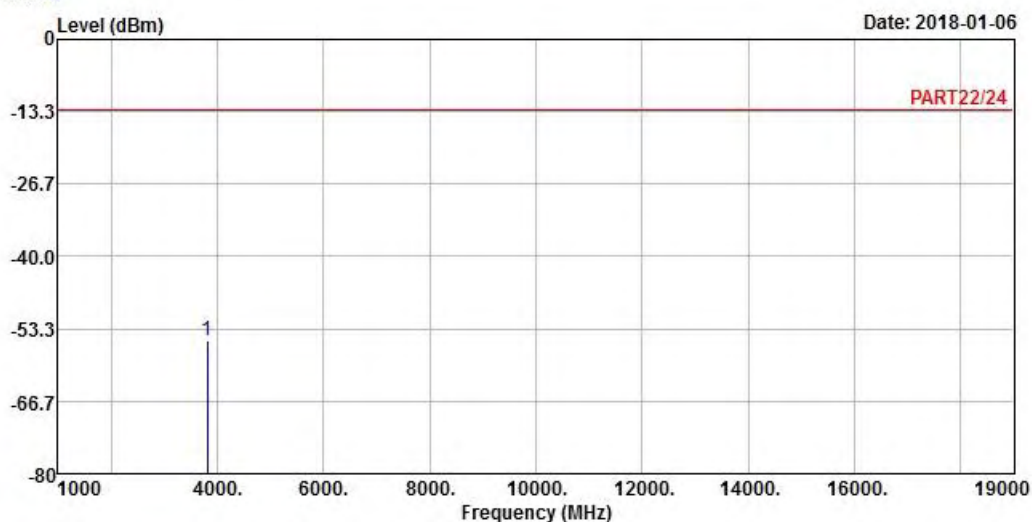
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
Condition: PART22/24 HORIZONTAL
Remak : LTE Band 25 QPSK_20M Link_H-CH
Tested by: Jisyong Wang

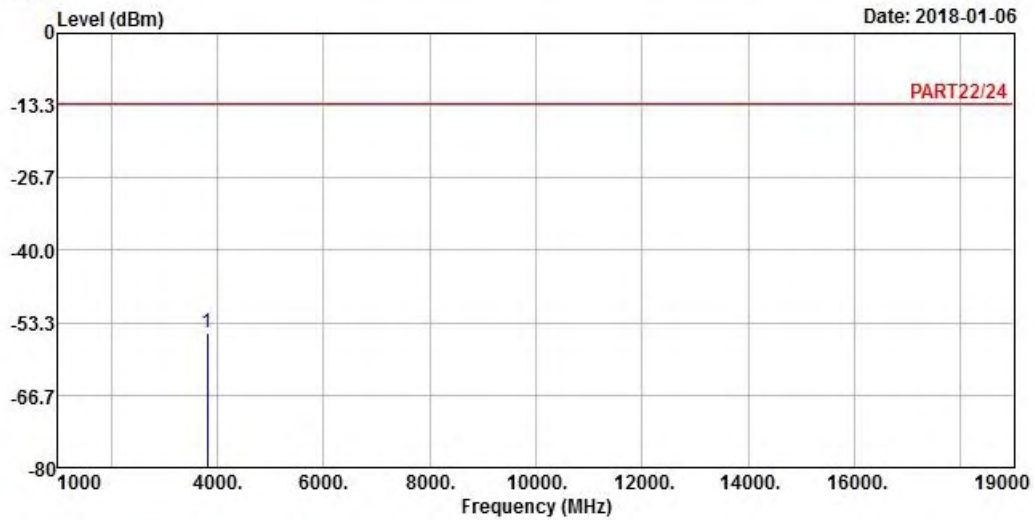
		Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3810.00	-55.46	-47.68	-13.00	-42.46	-7.78	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5

Condition: PART22/24 VERTICAL

Remak : LTE Band 25 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 3810.00 -55.13 -47.35 -13.00 -42.13 -7.78 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 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:

Linko 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

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.

--- END ---