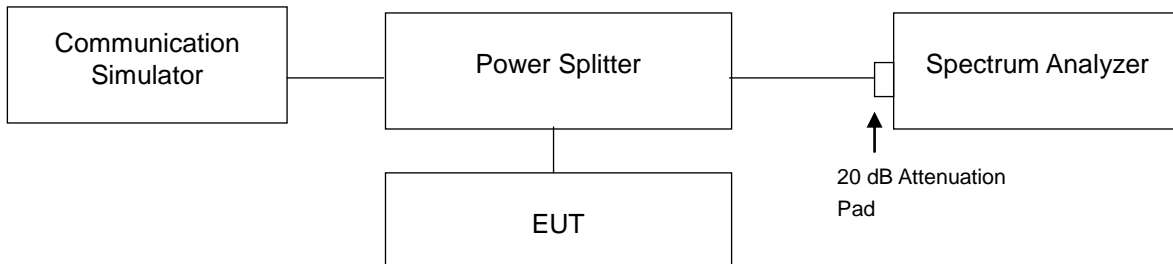


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13 dBm.

4.6.2 Test Setup



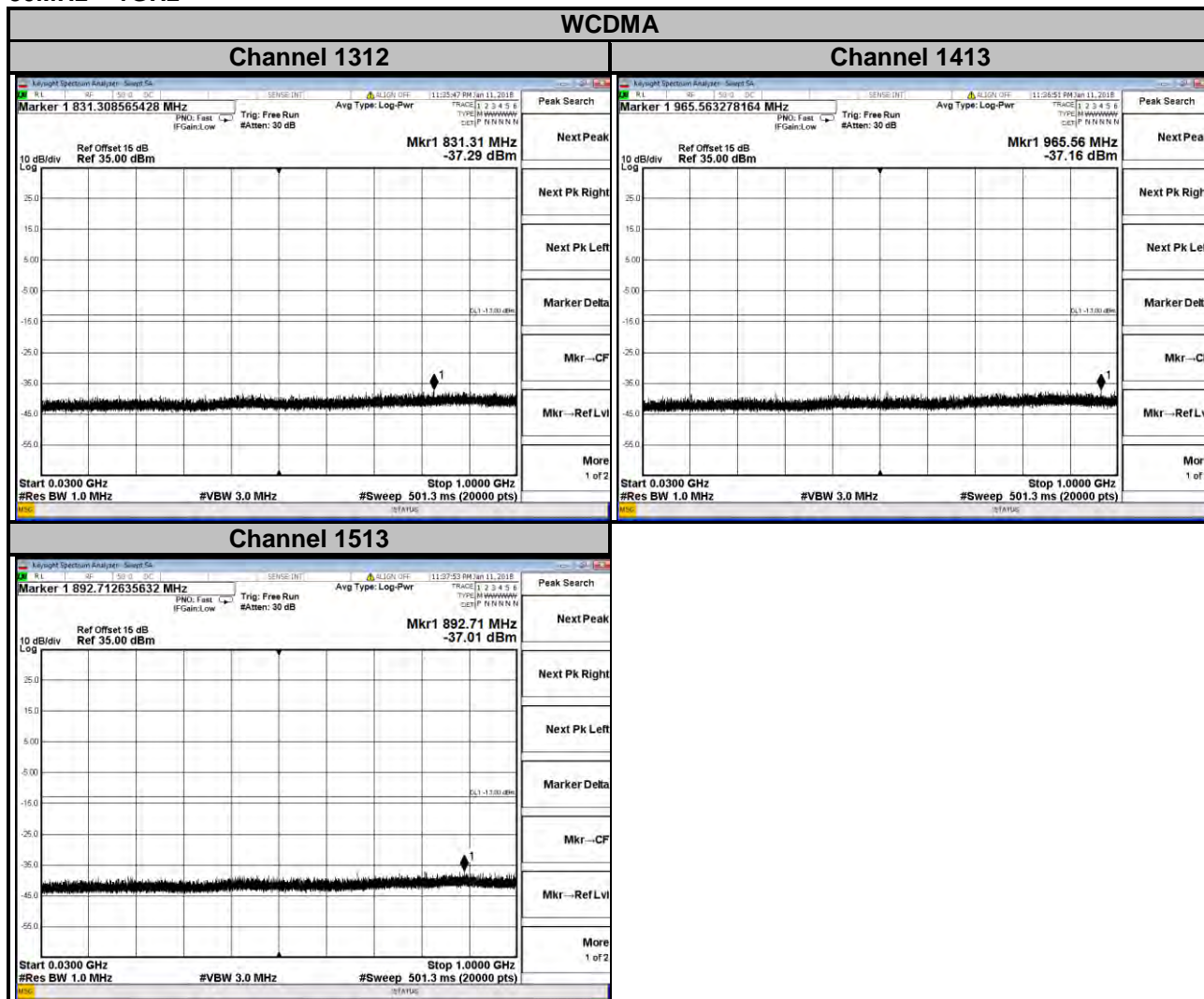
4.6.3 Test Procedure

- 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 30 MHz to 8 GHz for LTE Band 17 and from 30 MHz to 18 GHz for LTE Band 4. 10 dB attenuation pad is connected with spectrum. RBW = 100 kHz and VBW = 300 kHz are used for conducted emission measurement.

4.6.4 Test Results

WCDMA

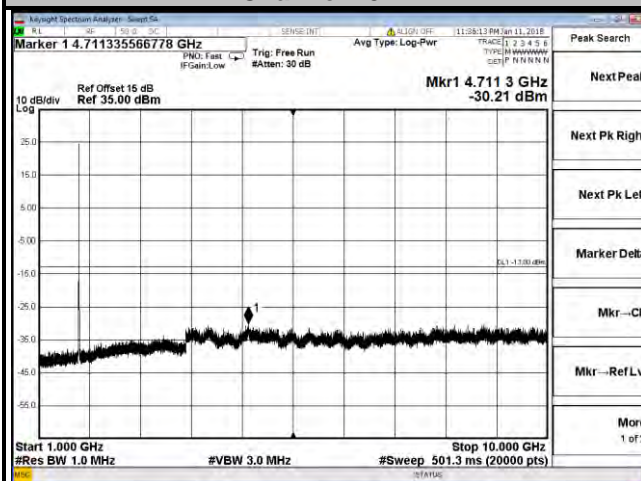
30MHz ~ 1GHz



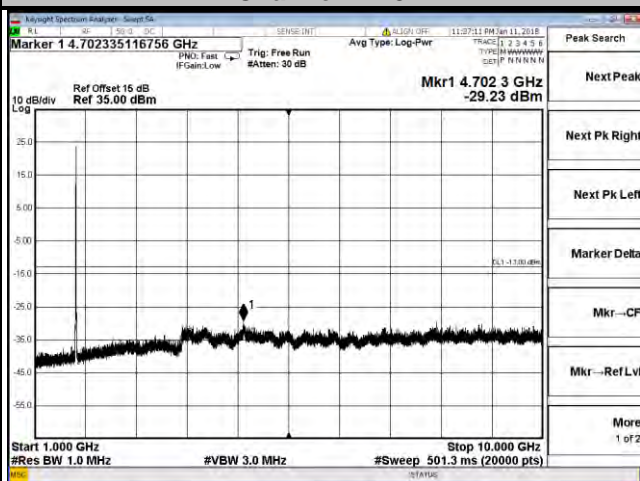
1GHz ~ 10GHz

WCDMA

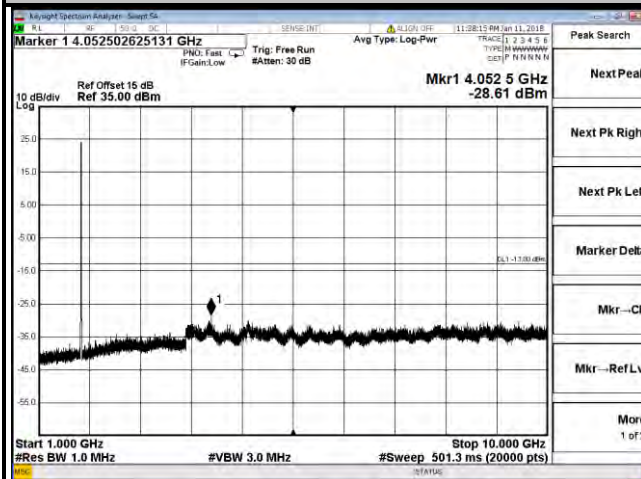
Channel 1312



Channel 1413



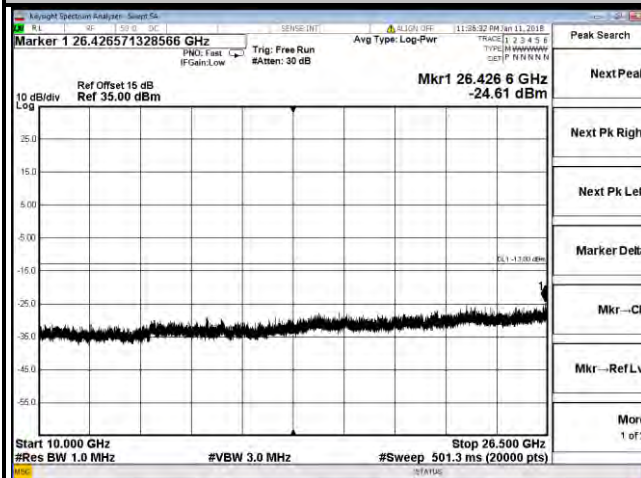
Channel 1513



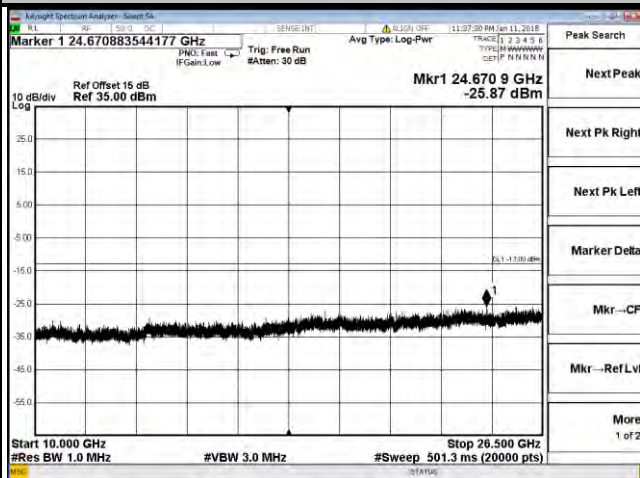
10GHz ~ 26.5GHz

WCDMA

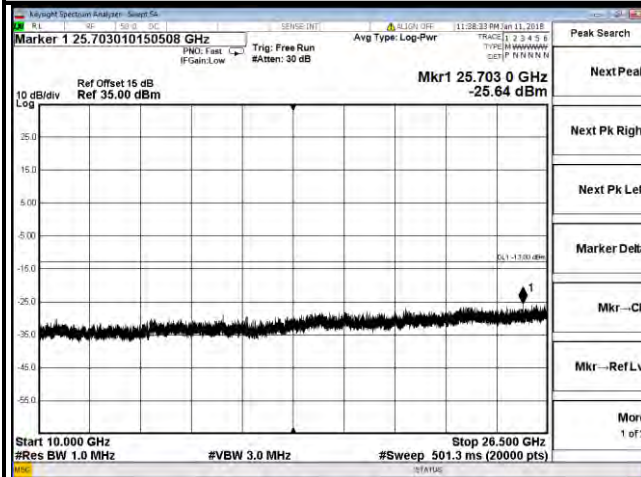
Channel 1312



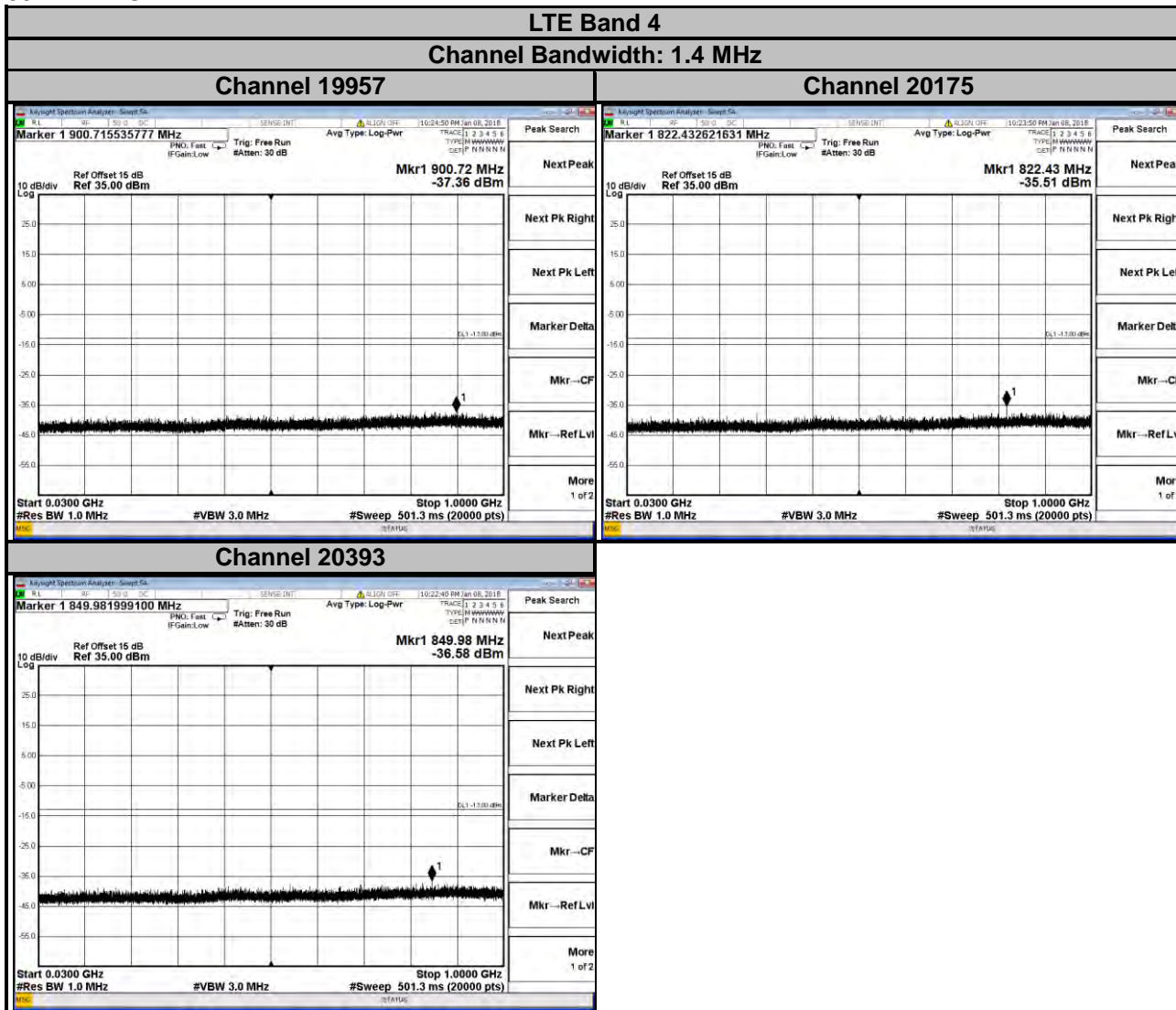
Channel 1413



Channel 1513

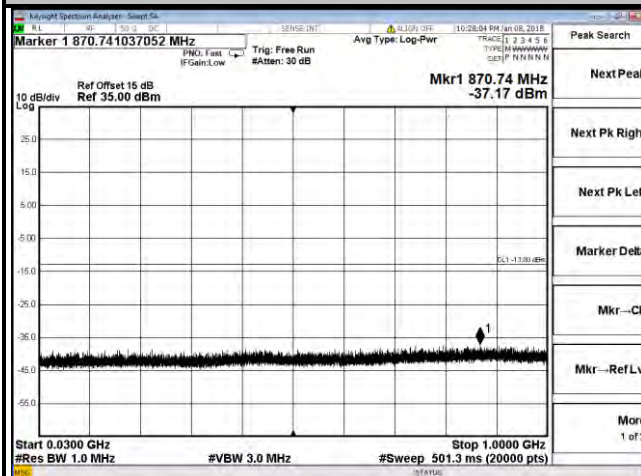


LTE Band 4
30MHz ~ 1GHz

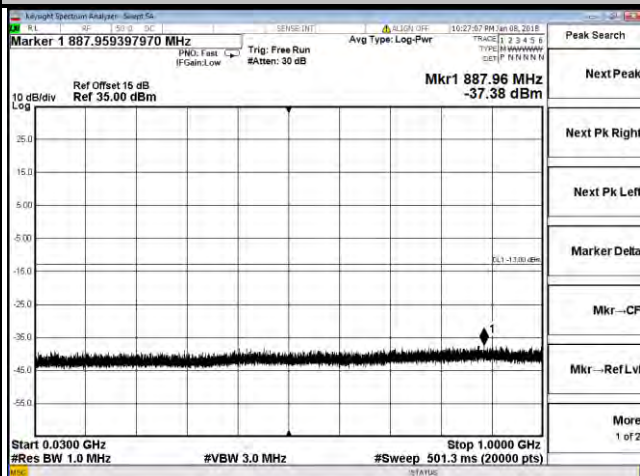


LTE Band 4
Channel Bandwidth: 3 MHz

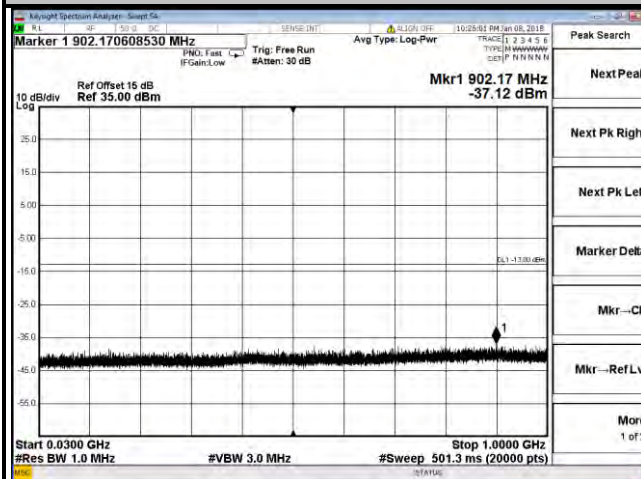
Channel 19965



Channel 20175

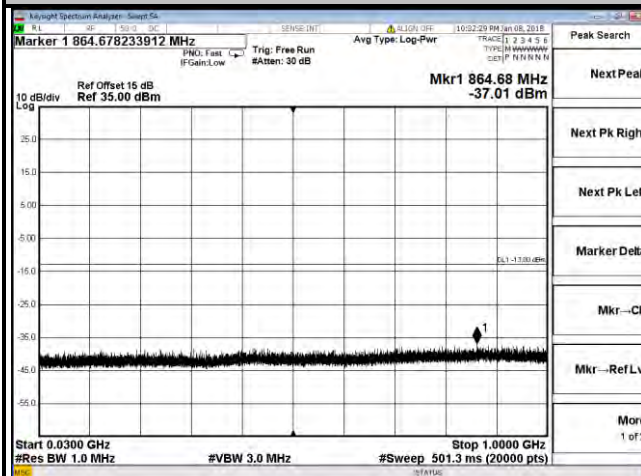


Channel 20385

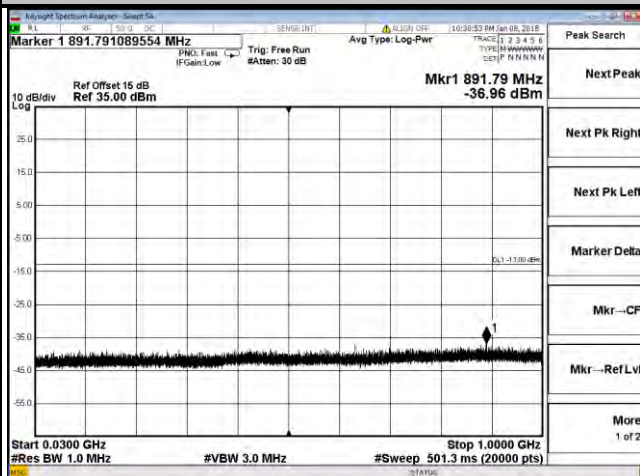


LTE Band 4
Channel Bandwidth: 5 MHz

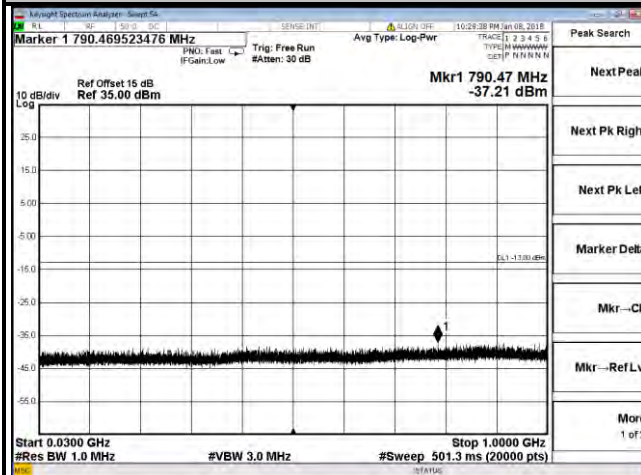
Channel 19975



Channel 20175

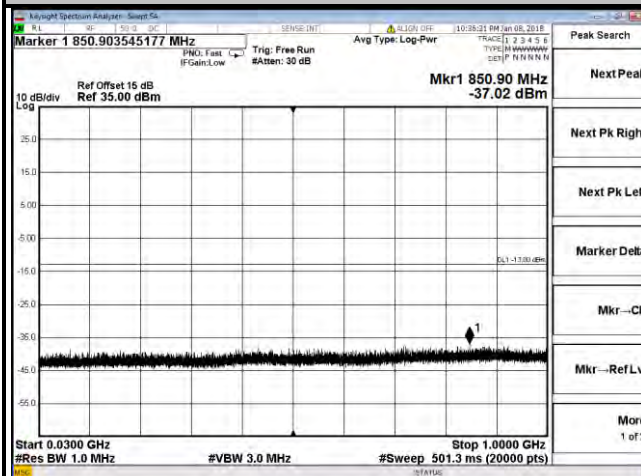


Channel 20375

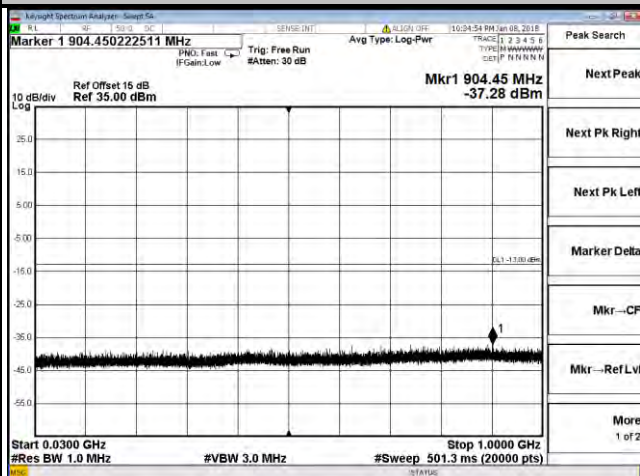


LTE Band 4
Channel Bandwidth: 10 MHz

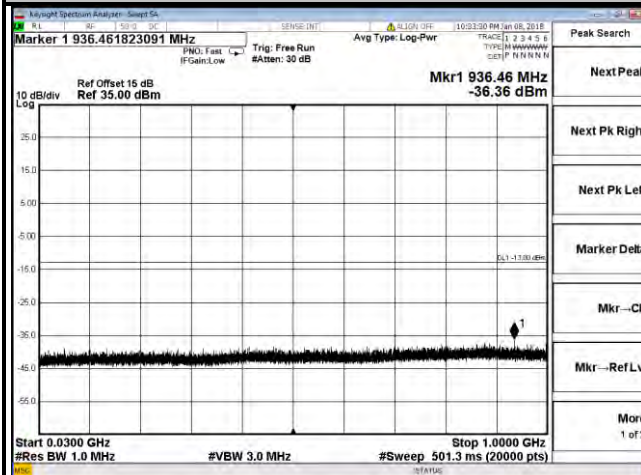
Channel 2000



Channel 1715

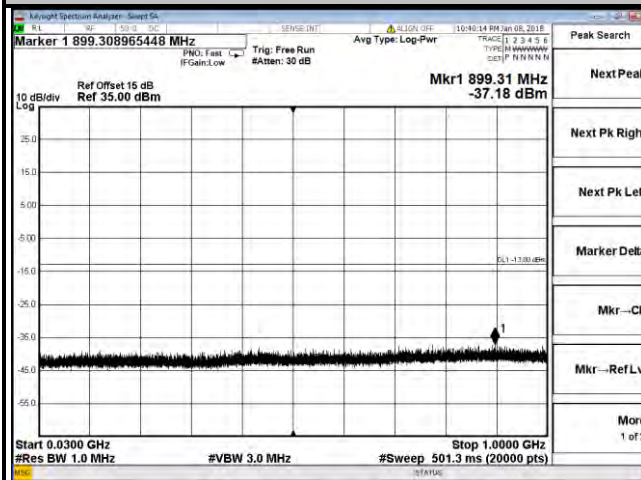


Channel 2035

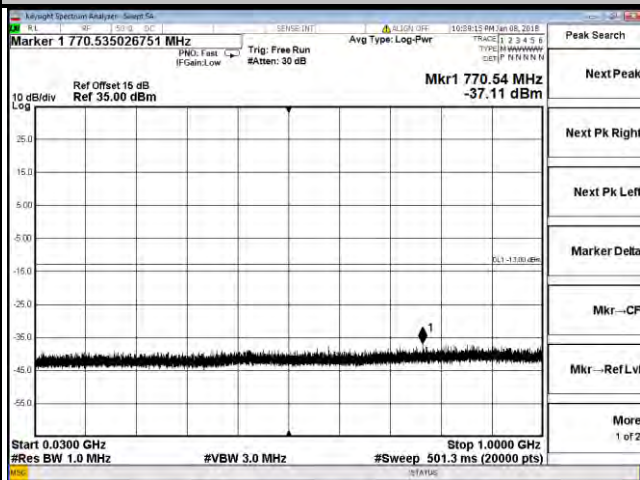


LTE Band 4
Channel Bandwidth: 15 MHz

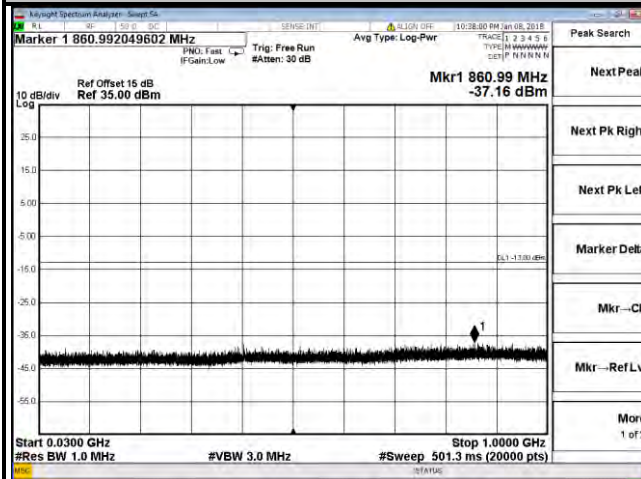
Channel 2025



Channel 1715

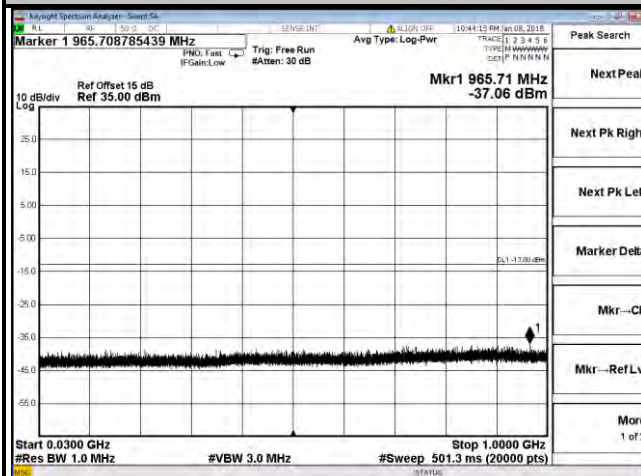


Channel 20325

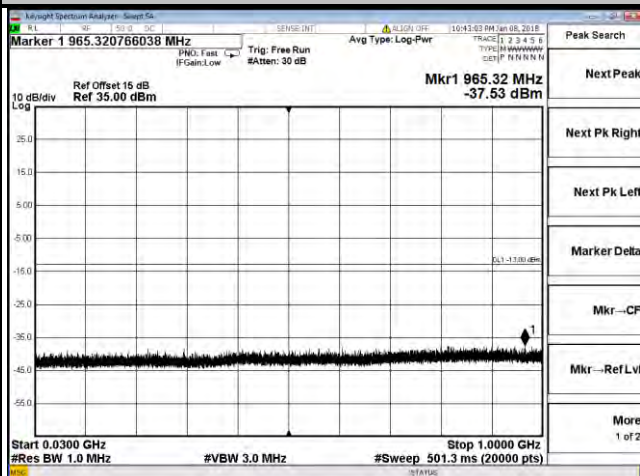


LTE Band 4
Channel Bandwidth: 20 MHz

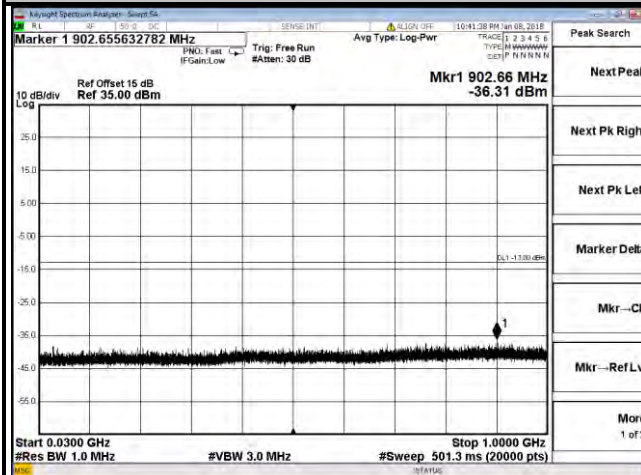
Channel 20050



Channel 20175



Channel 20300

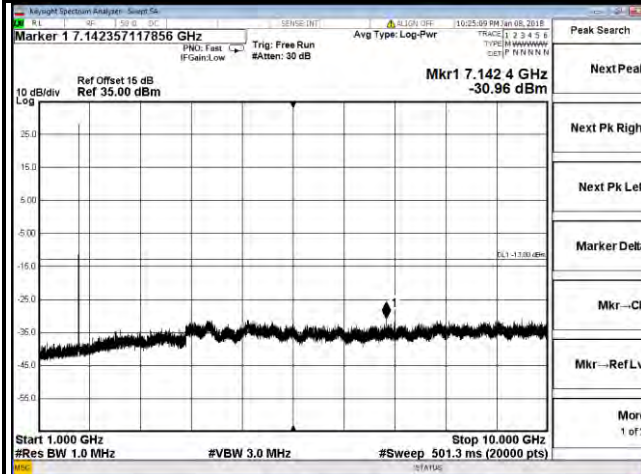


1GHz ~ 10GHz

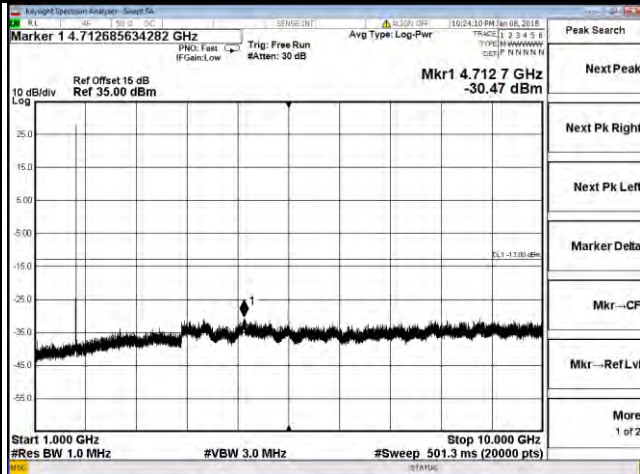
LTE Band 4

Channel Bandwidth: 1.4 MHz

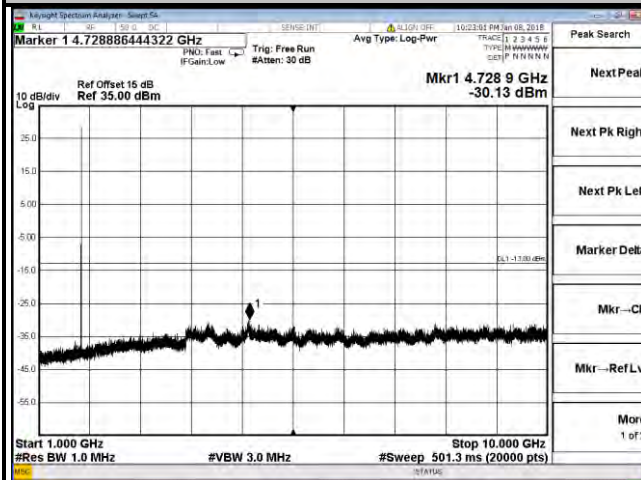
Channel 19957



Channel 20175

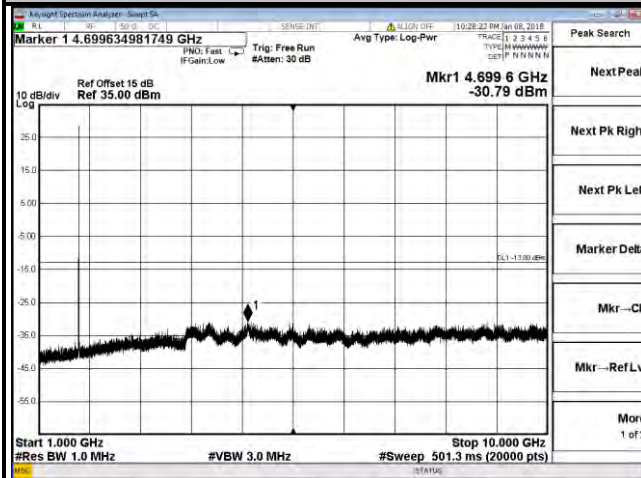


Channel 20393

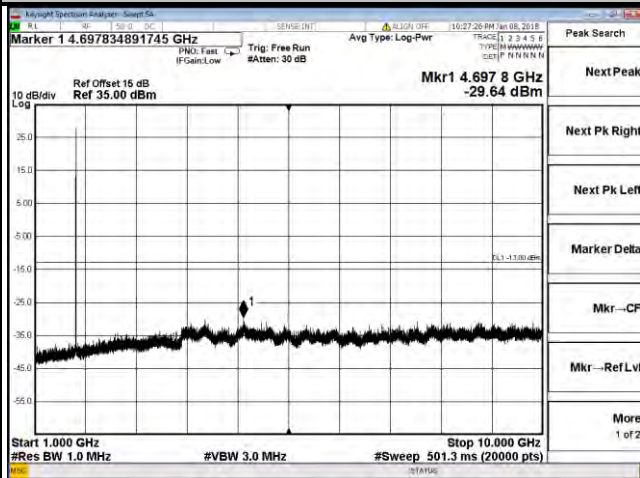


LTE Band 4
Channel Bandwidth: 3 MHz

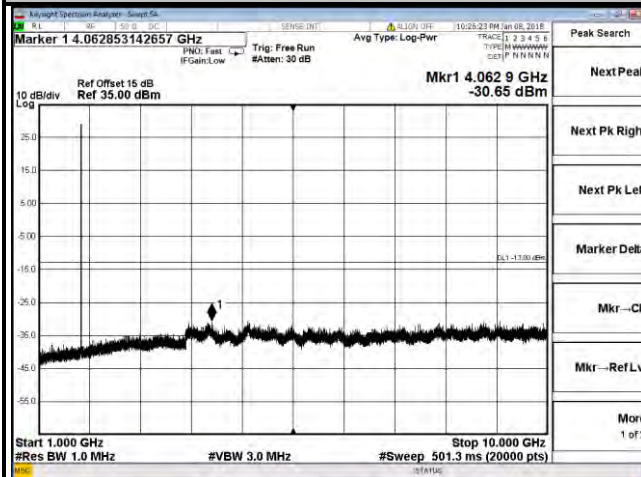
Channel 19965



Channel 20175

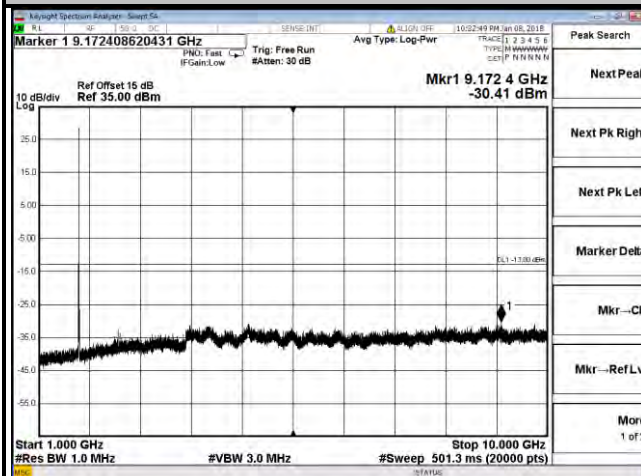


Channel 20385

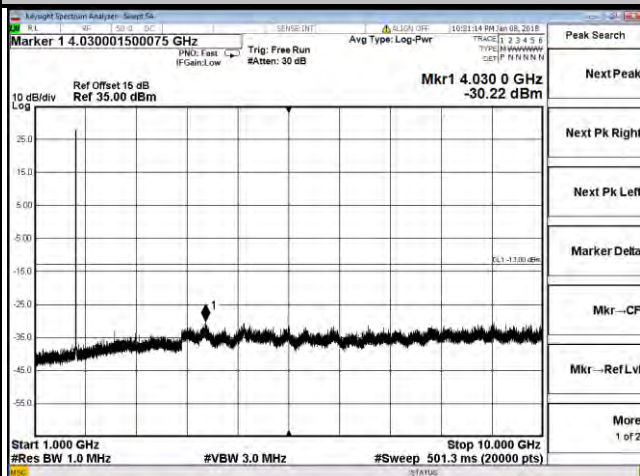


LTE Band 4
Channel Bandwidth: 5 MHz

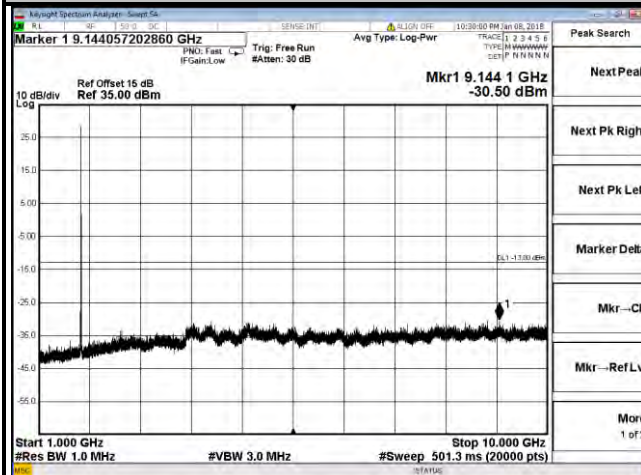
Channel 19975



Channel 10175

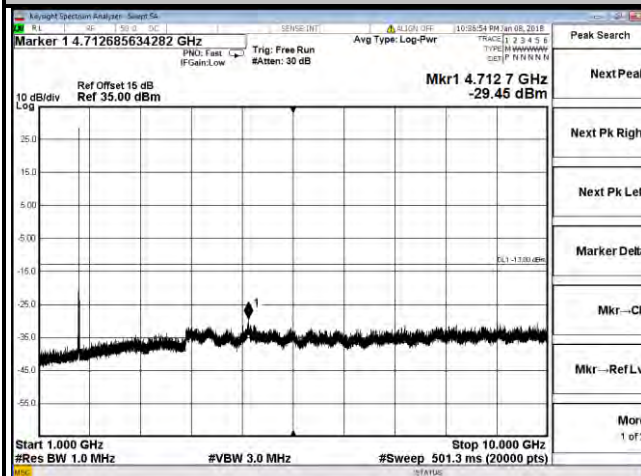


Channel 20375

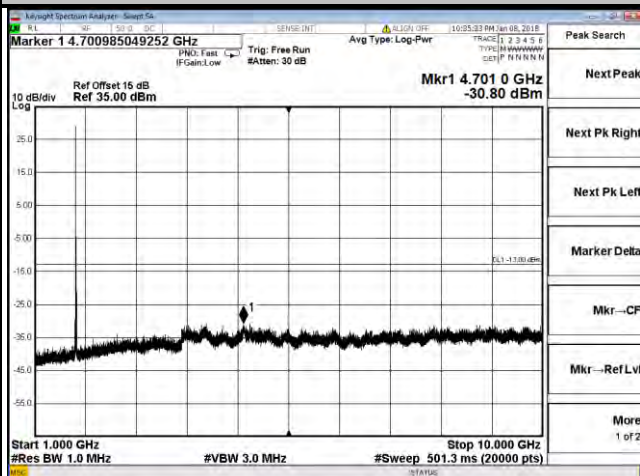


LTE Band 4
Channel Bandwidth: 10 MHz

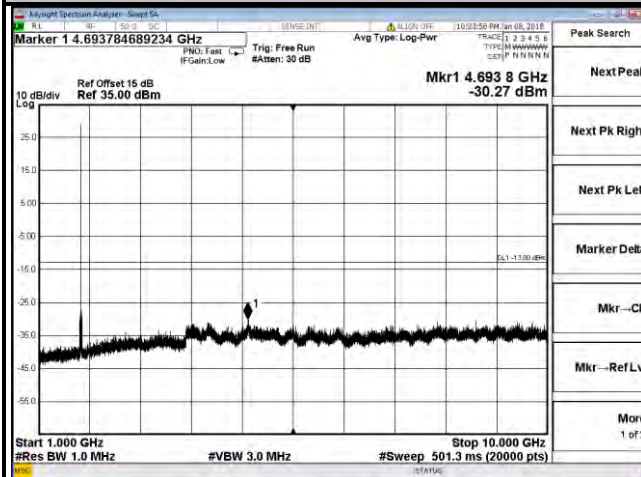
Channel 2000



Channel 20175

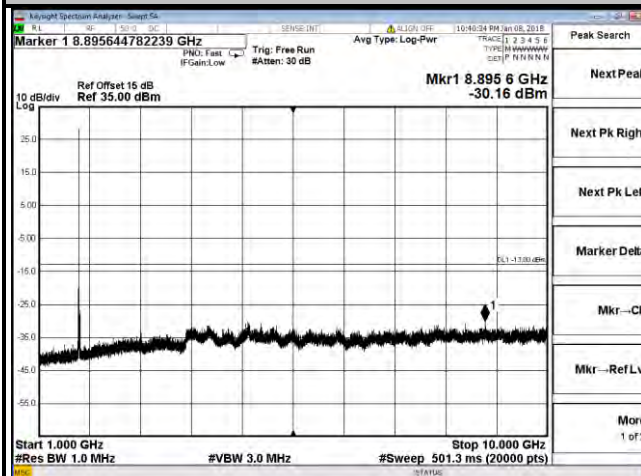


Channel 20350

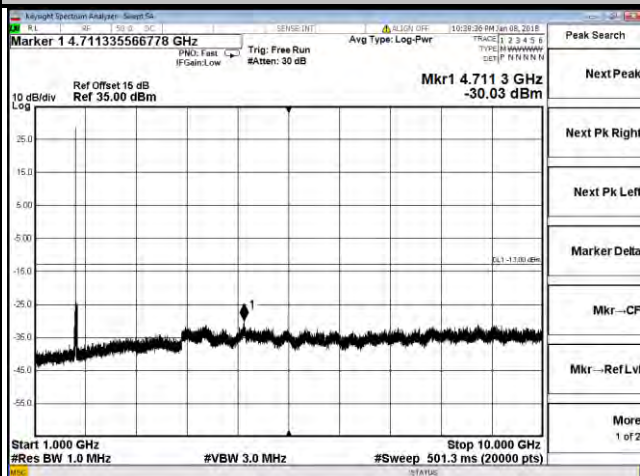


LTE Band 4
Channel Bandwidth: 15 MHz

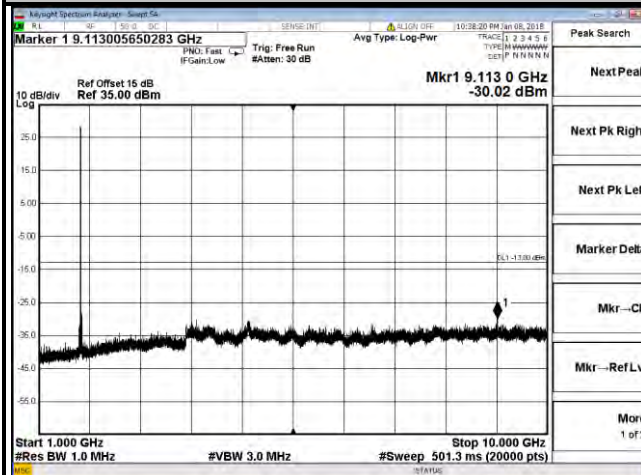
Channel 20025



Channel 20175

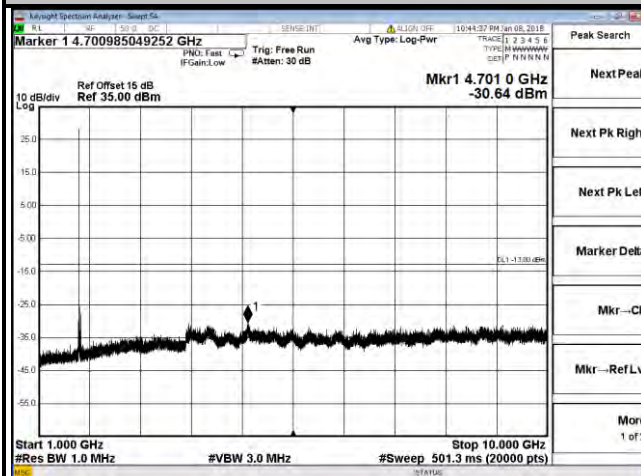


Channel 20325

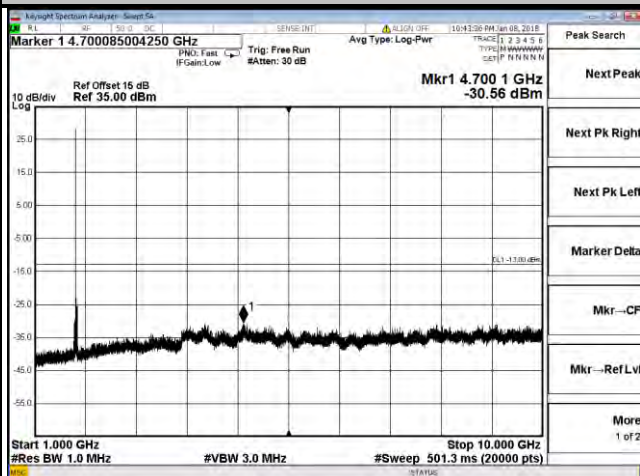


LTE Band 4
Channel Bandwidth: 20 MHz

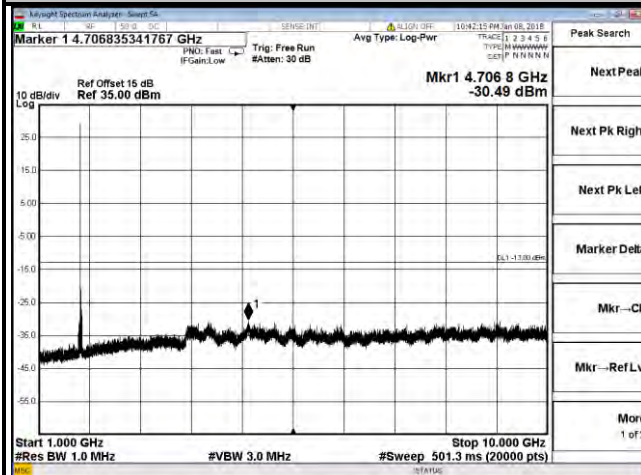
Channel 20050



Channel 20175



Channel 20300

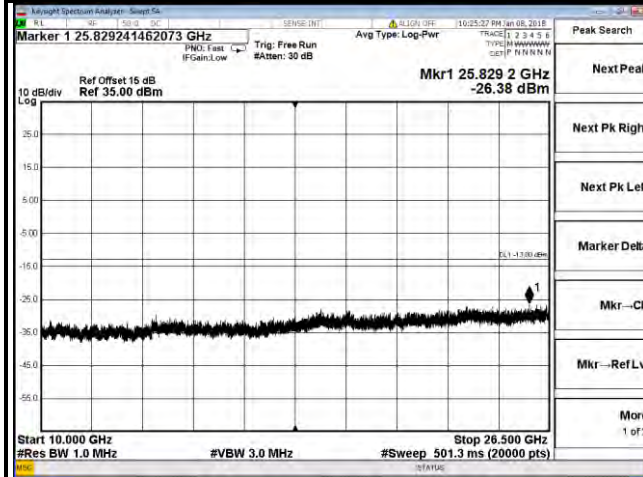


10GHz ~ 26.5GHz

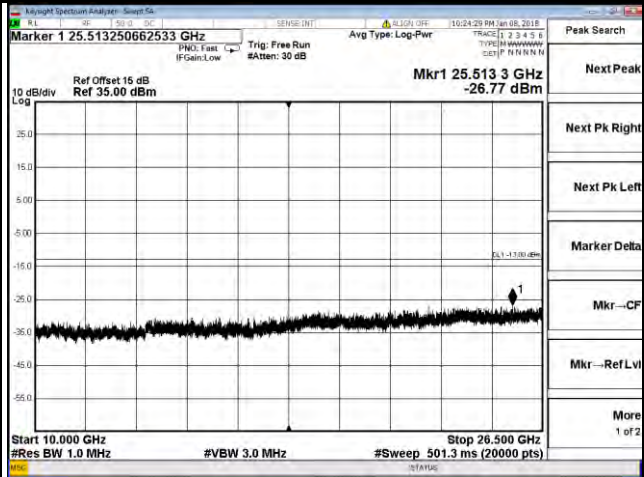
LTE Band 4

Channel Bandwidth: 1.4 MHz

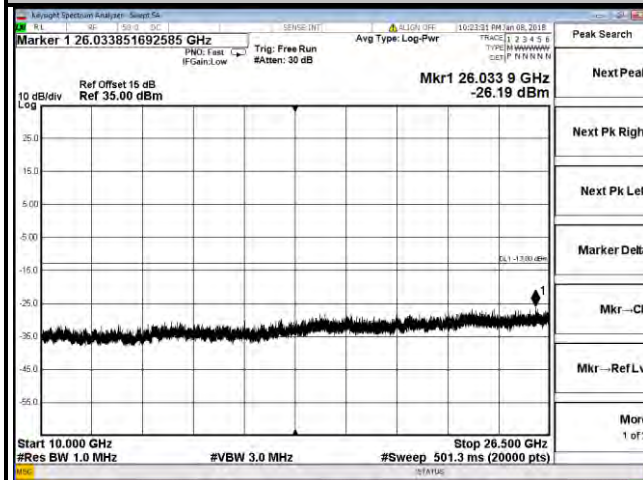
Channel 19957



Channel 20175



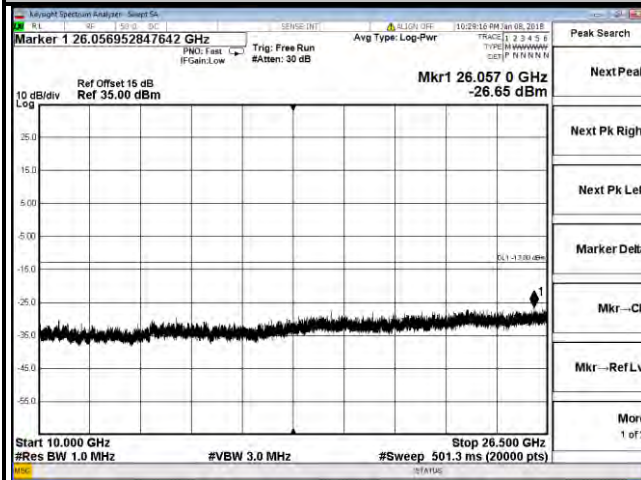
Channel 20393



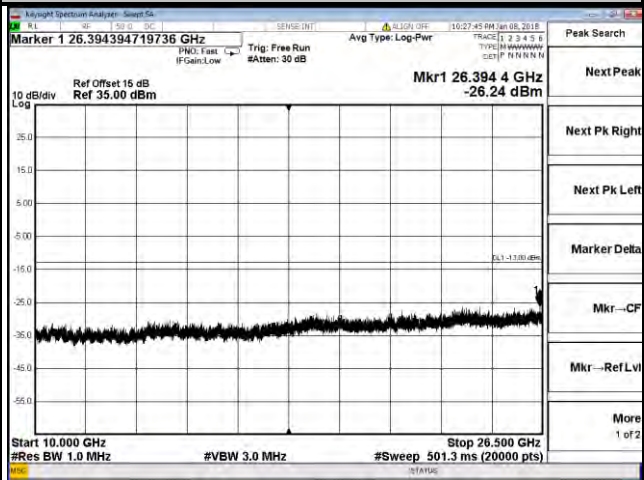
LTE Band 4

Channel Bandwidth: 3 MHz

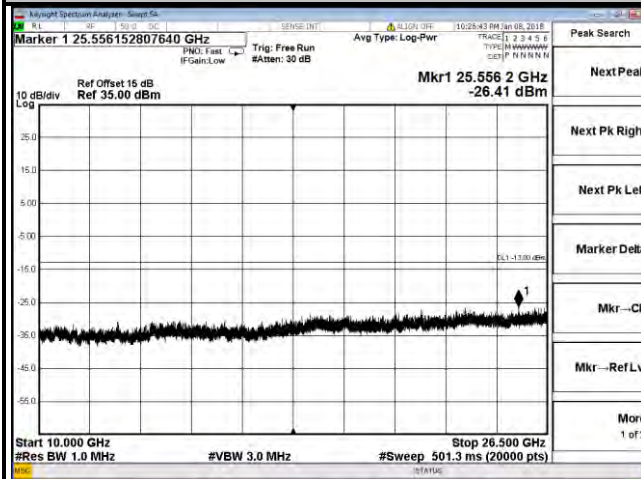
Channel 19965



Channel 20175

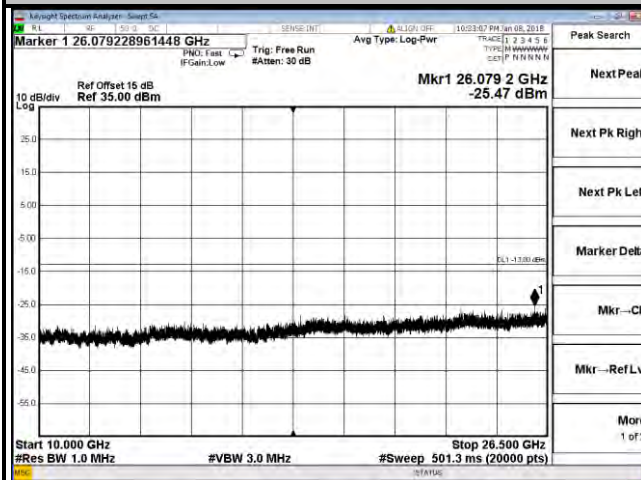


Channel 20385

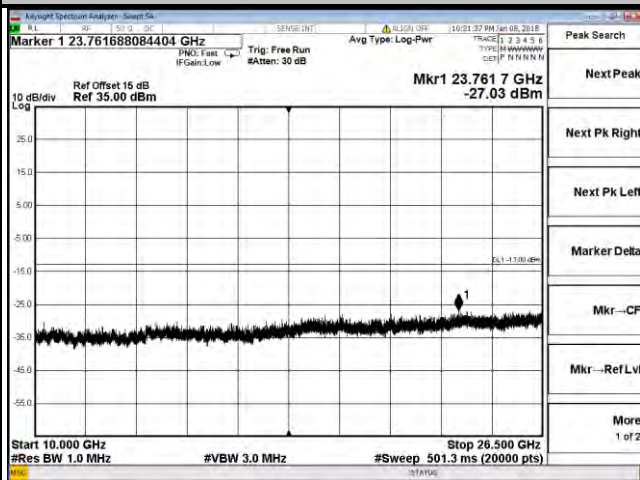


LTE Band 4
Channel Bandwidth: 5 MHz

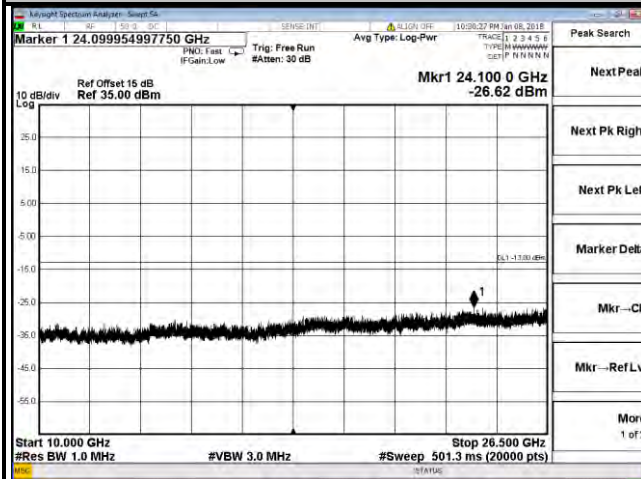
Channel 19975



Channel 20175

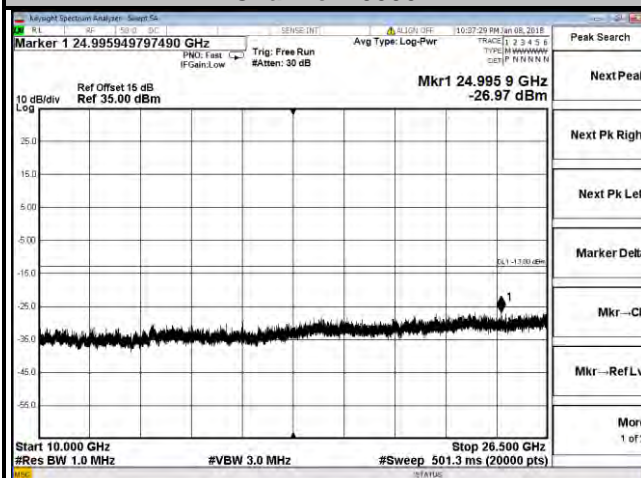


Channel 20375

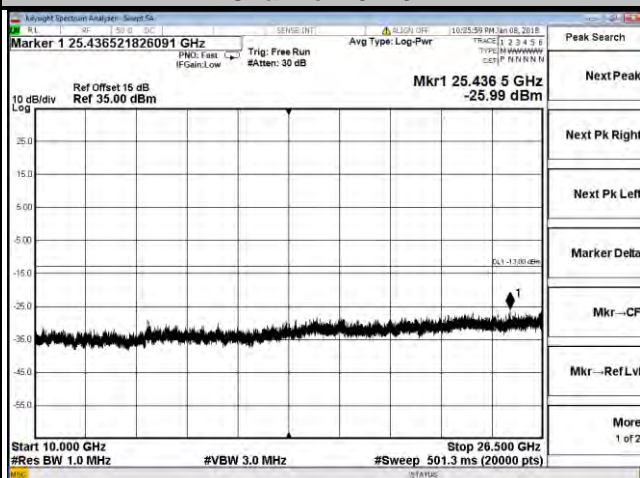


LTE Band 4
Channel Bandwidth: 10 MHz

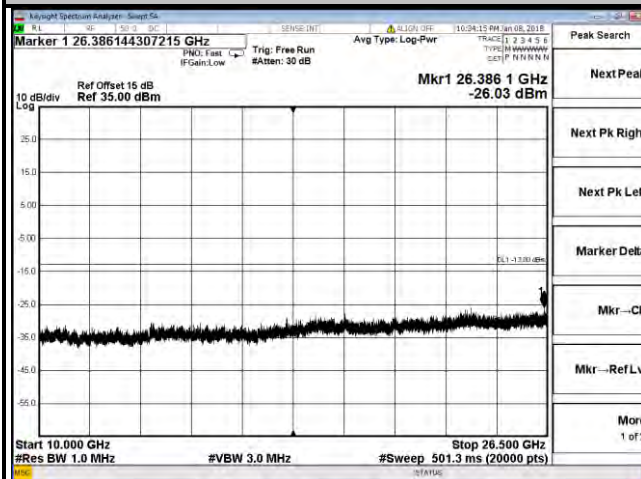
Channel 2000



Channel 20175

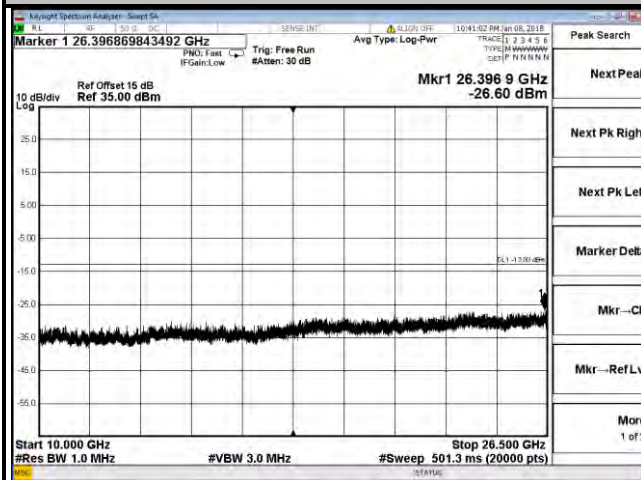


Channel 20350

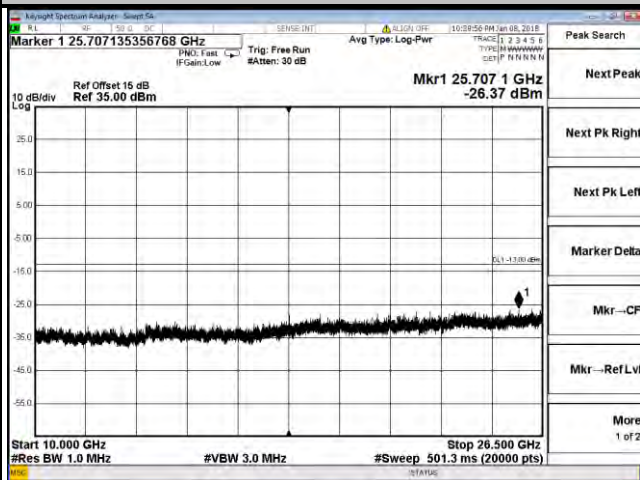


LTE Band 4
Channel Bandwidth: 15 MHz

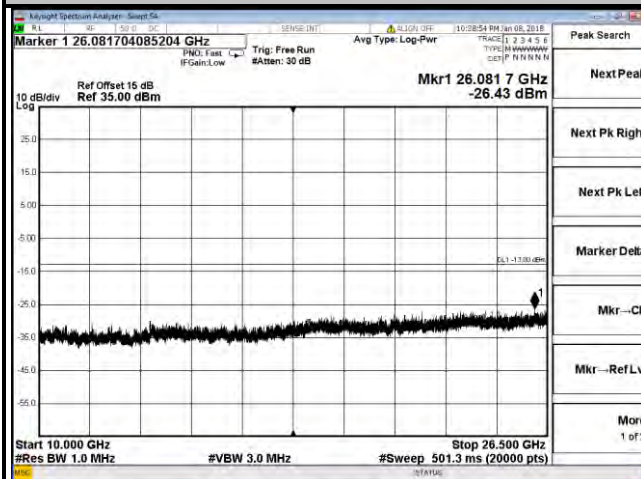
Channel 20025



Channel 20175

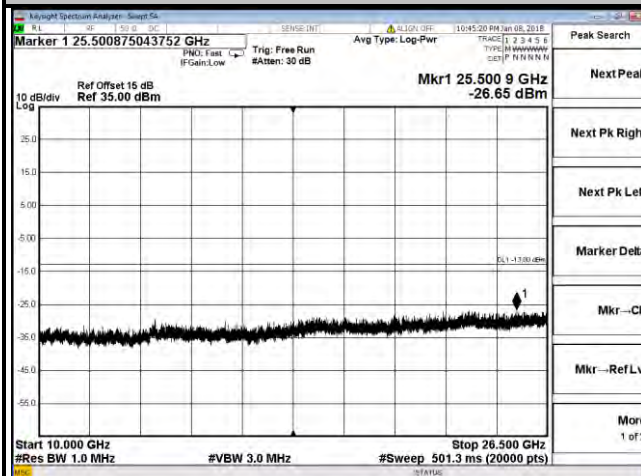


Channel 20325

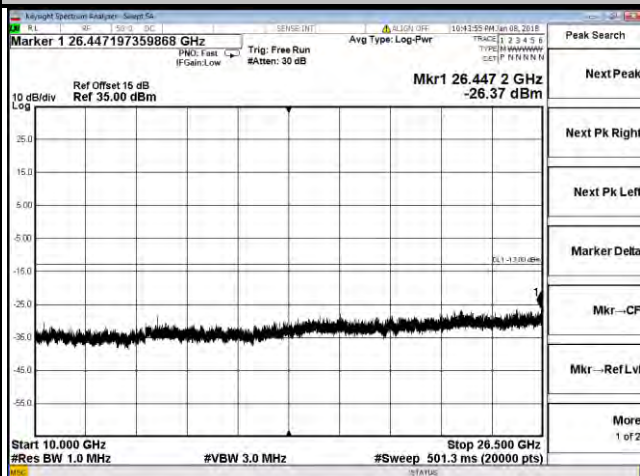


LTE Band 4
Channel Bandwidth: 20 MHz

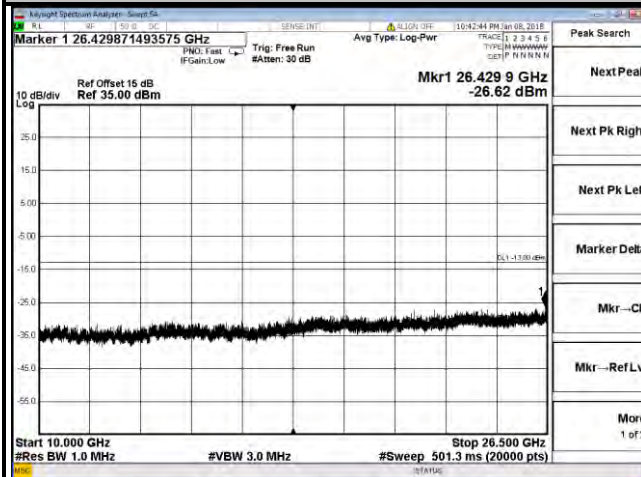
Channel 20050



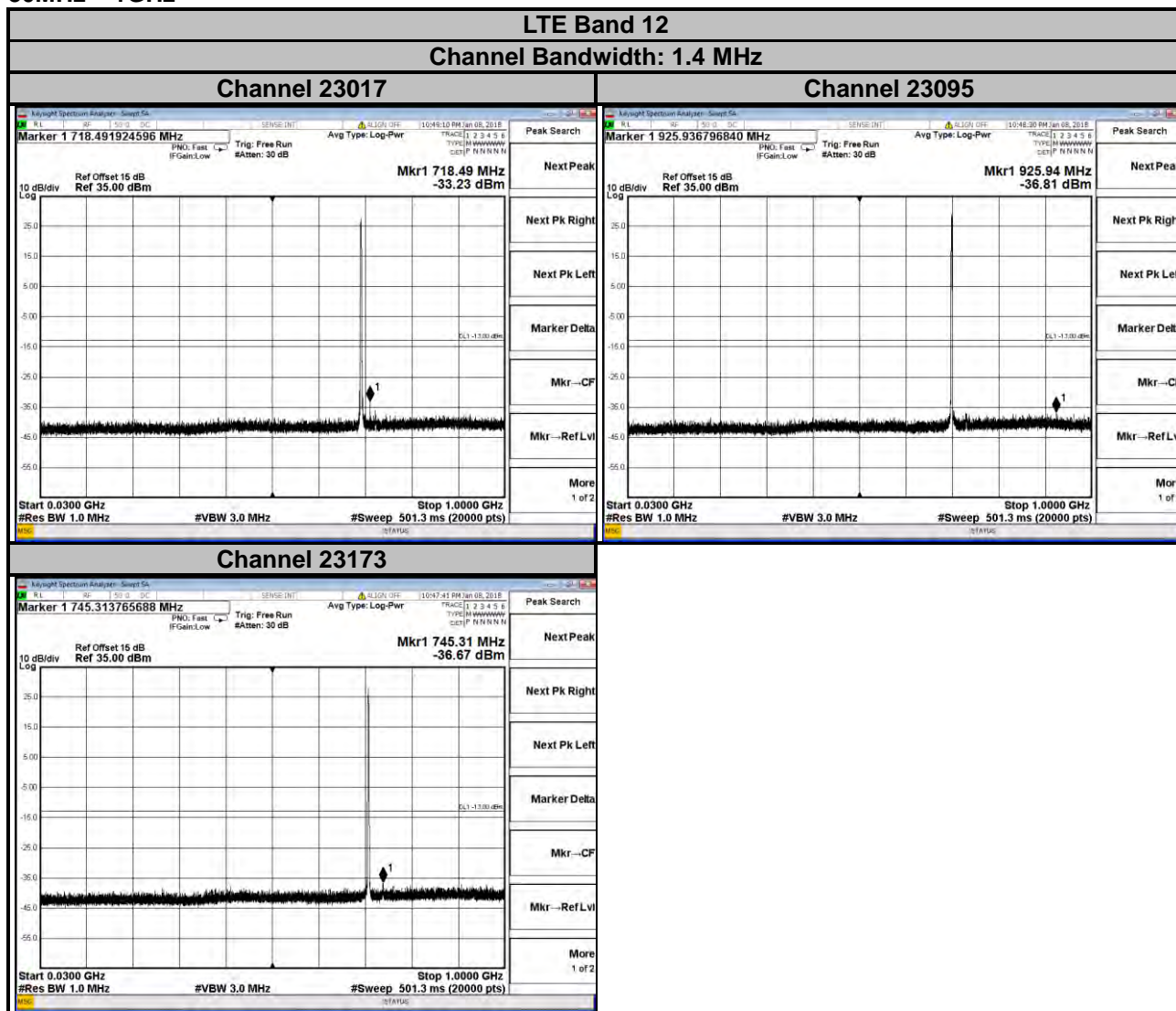
Channel 20175



Channel 20300



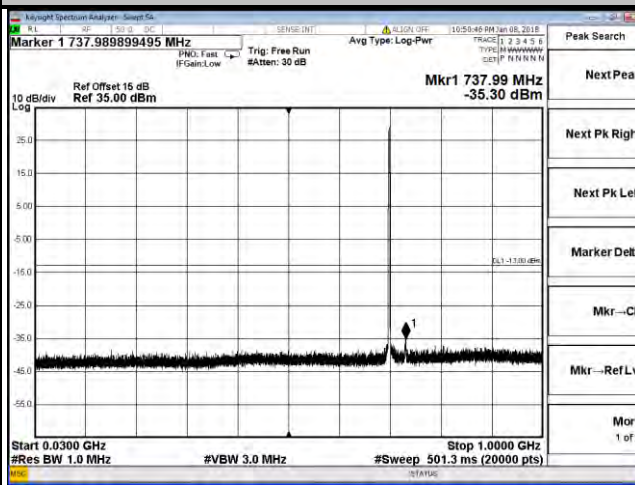
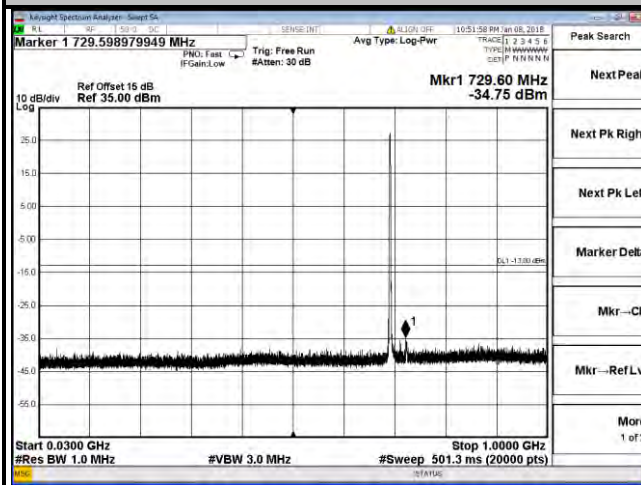
LTE Band 12
30MHz ~ 1GHz



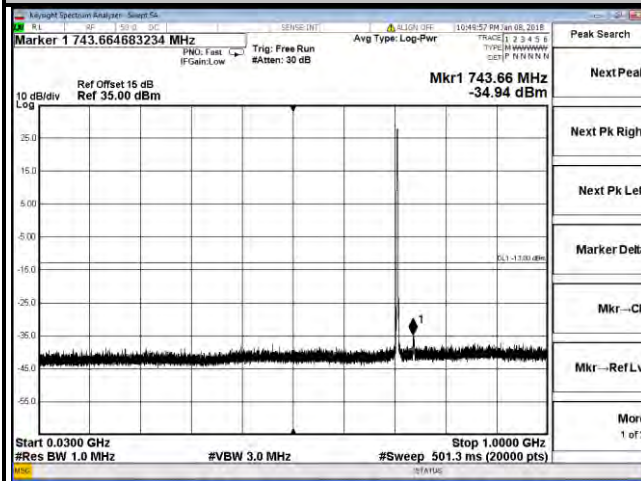
LTE Band 12
Channel Bandwidth: 3 MHz

Channel 23025

Channel 23095



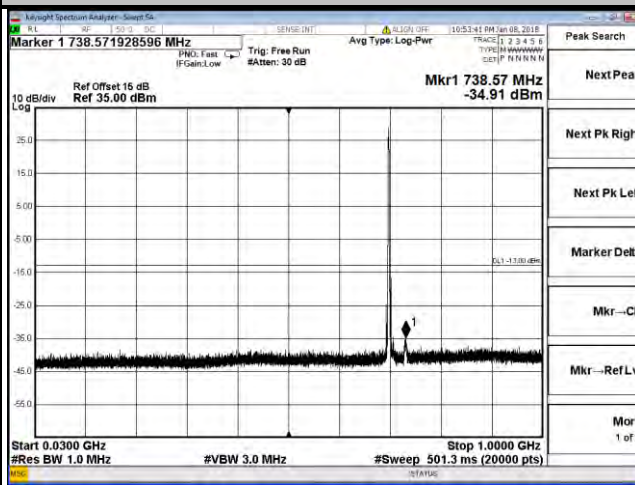
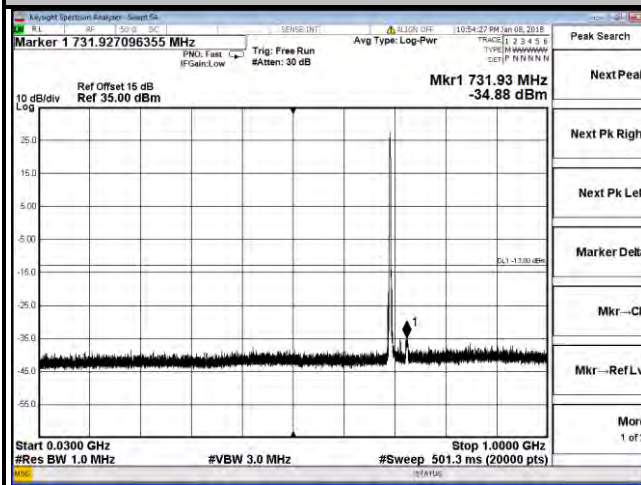
Channel 23165



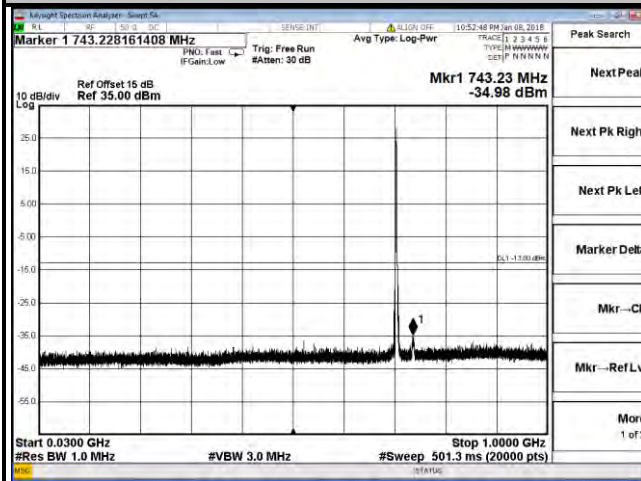
LTE Band 12
Channel Bandwidth: 5 MHz

Channel 23035

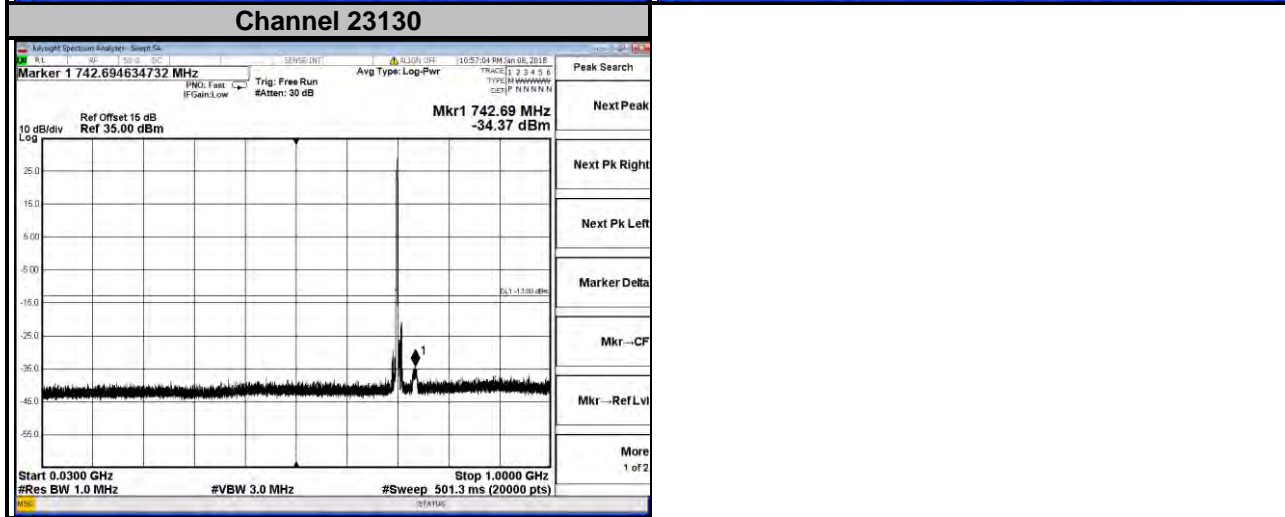
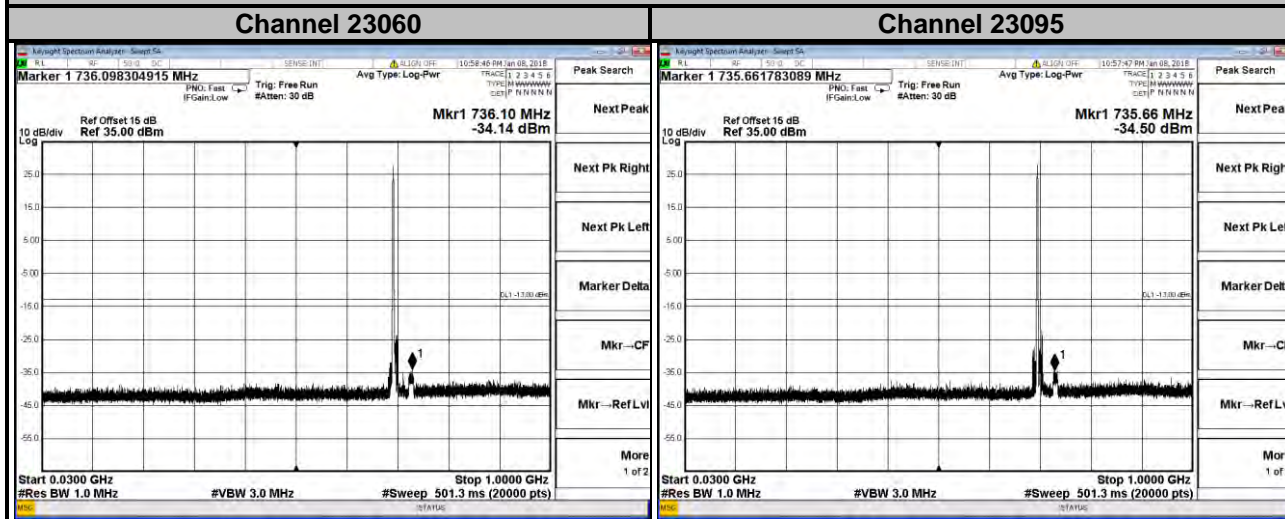
Channel 23095



Channel 23155



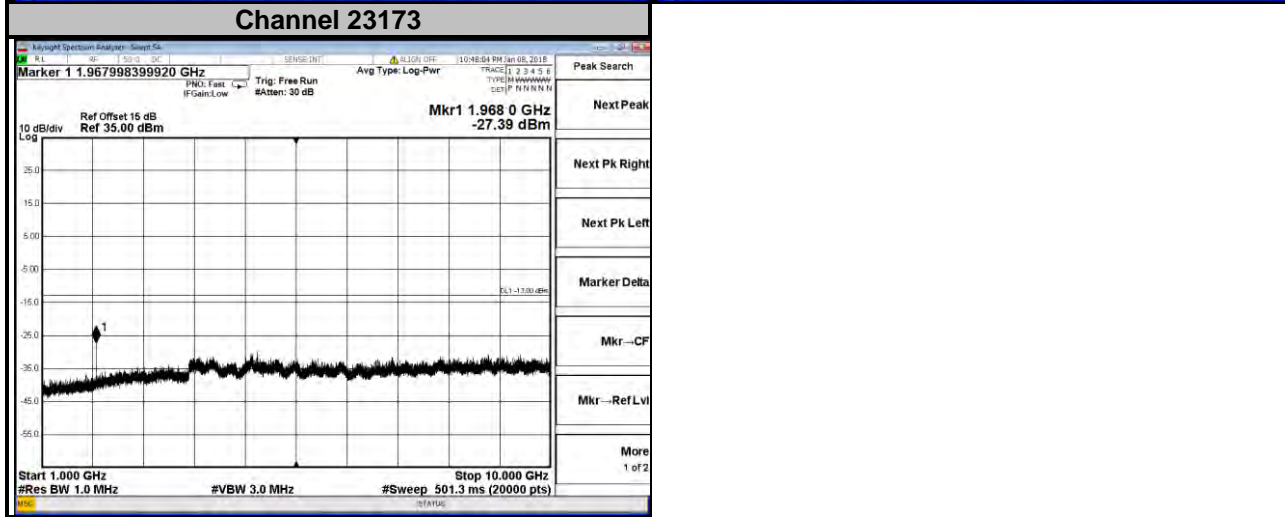
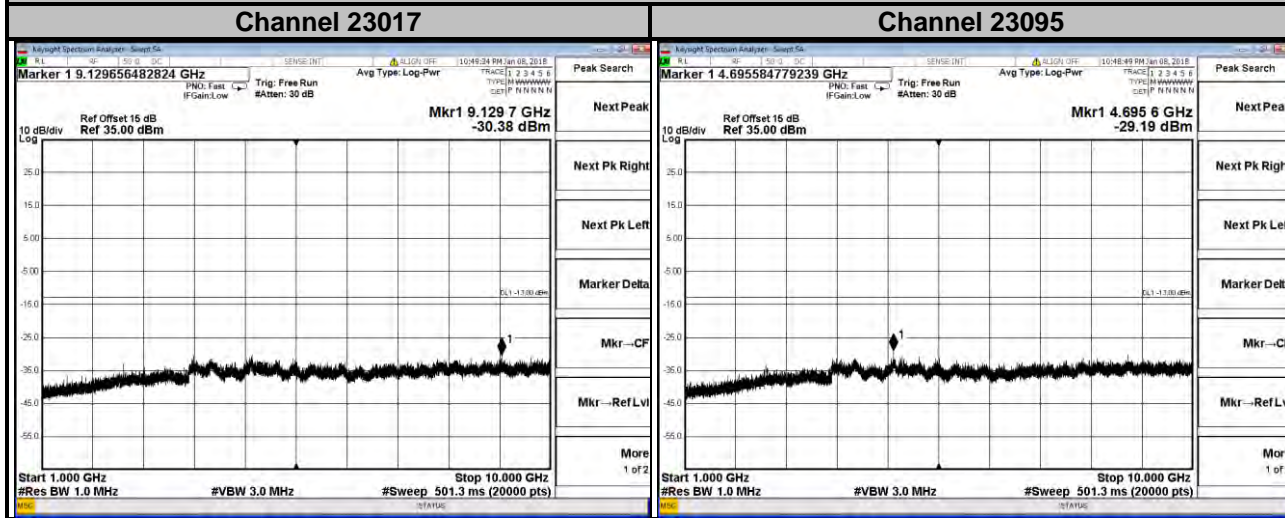
LTE Band 12
Channel Bandwidth: 10 MHz



1GHz ~ 10GHz

LTE Band 12

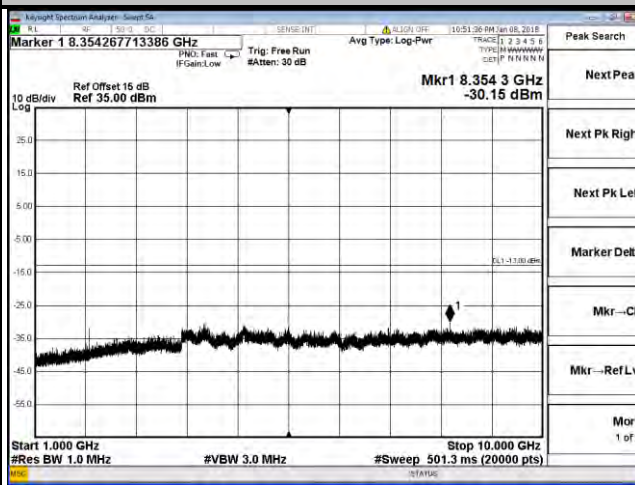
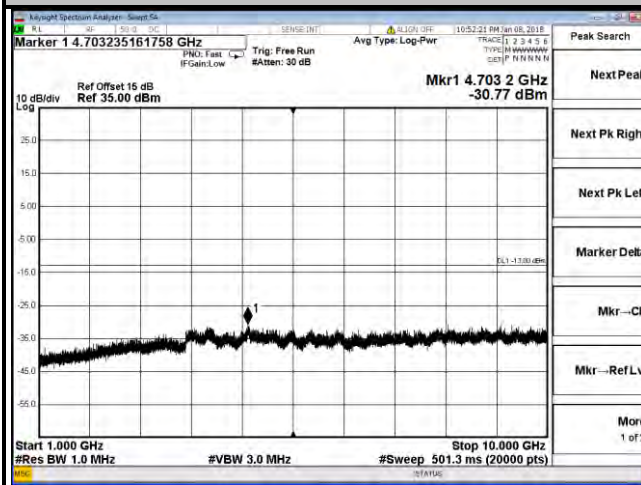
Channel Bandwidth: 1.4 MHz



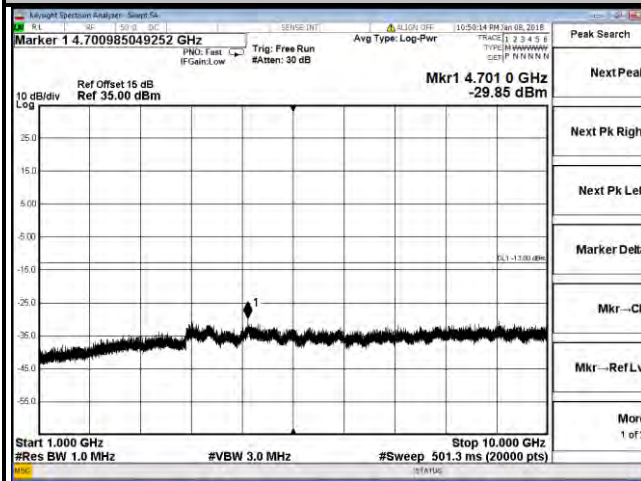
LTE Band 12
Channel Bandwidth: 3 MHz

Channel 23025

Channel 23095

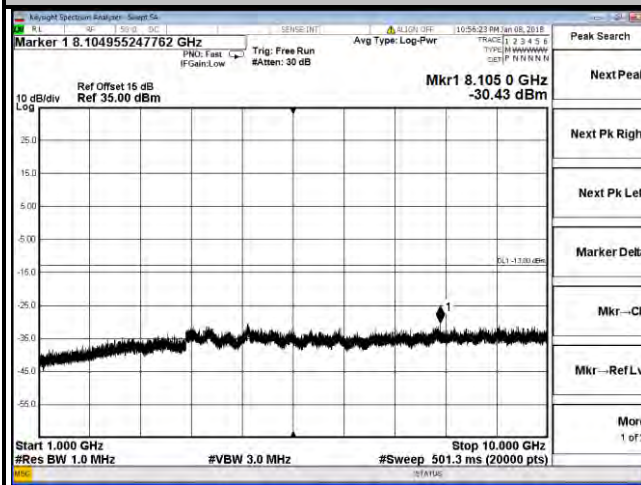


Channel 23165

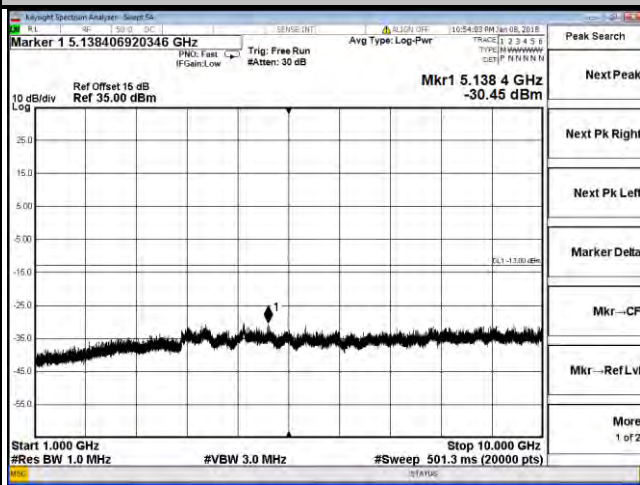


LTE Band 12
Channel Bandwidth: 5 MHz

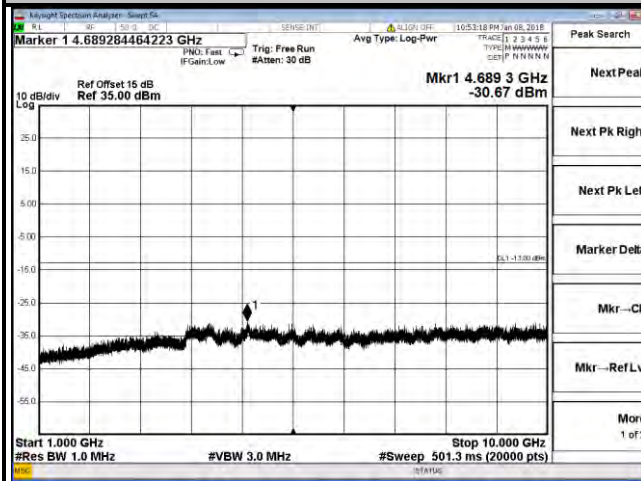
Channel 23035



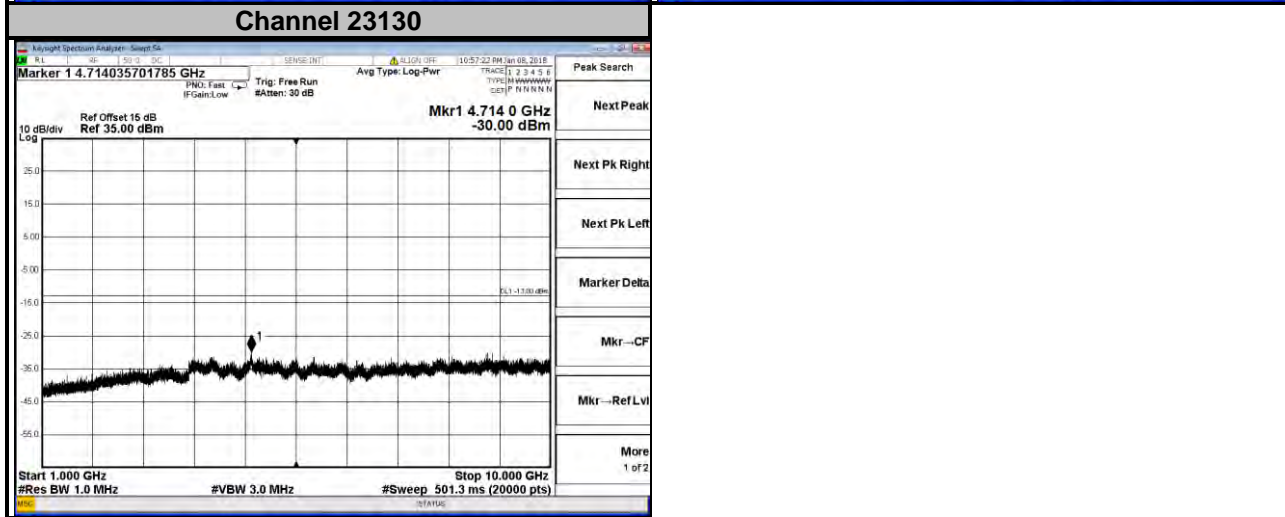
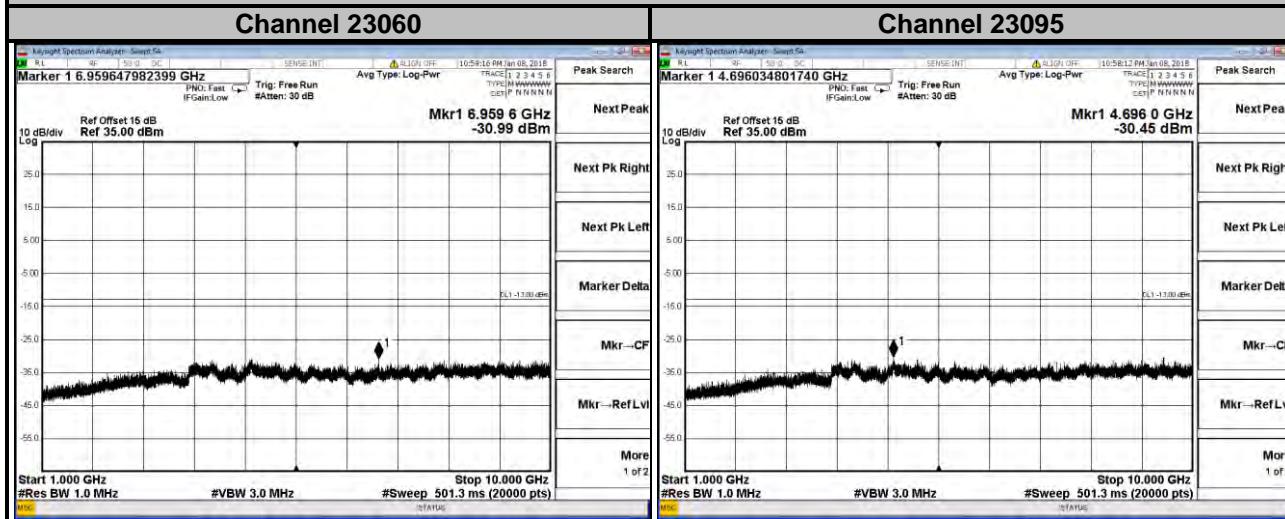
Channel 23095



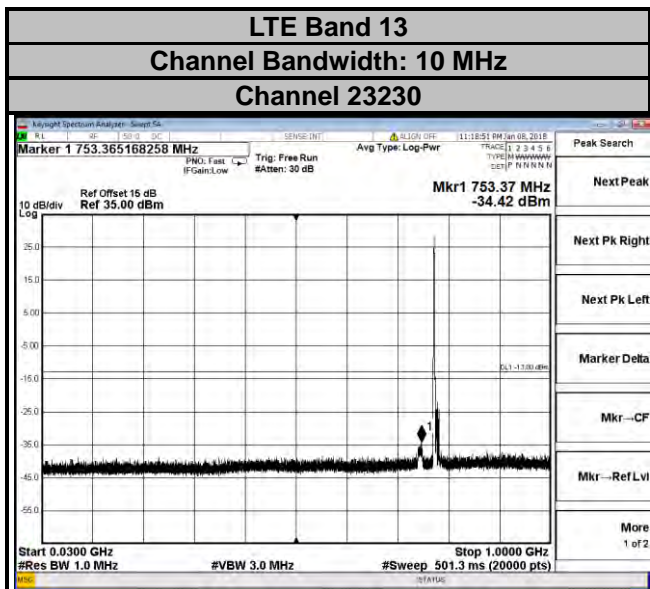
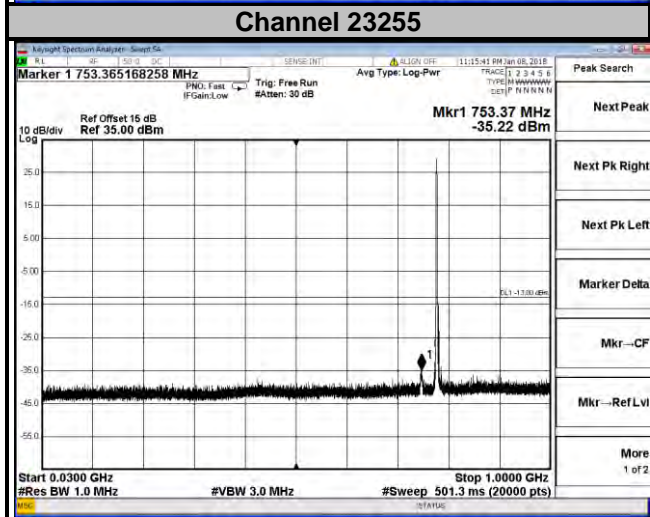
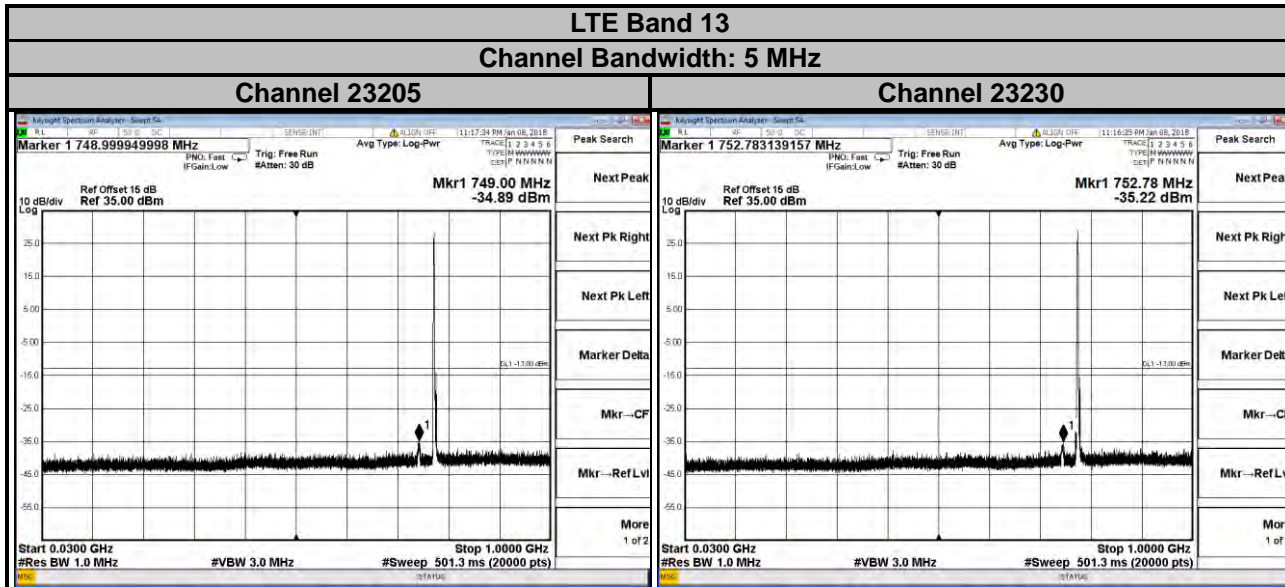
Channel 23155



LTE Band 12
Channel Bandwidth: 10 MHz

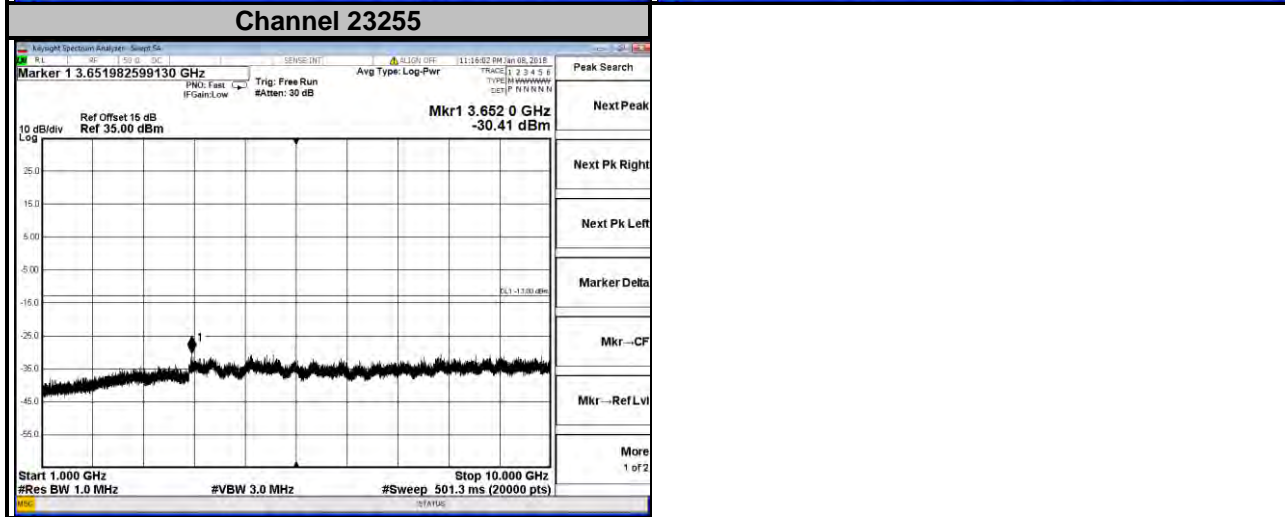
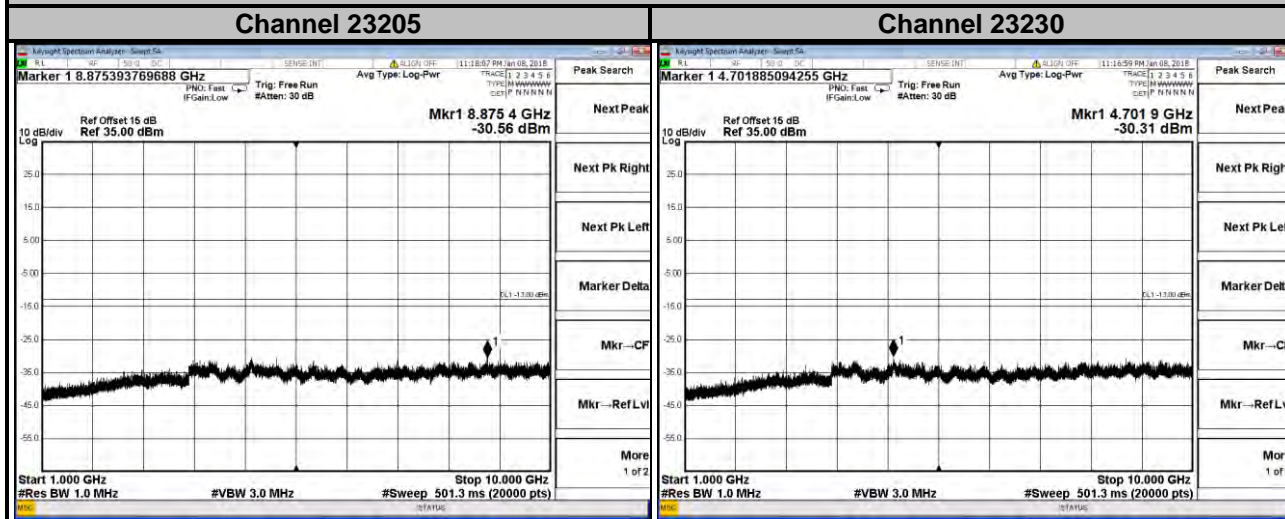


LTE Band 13
30MHz ~ 1GHz

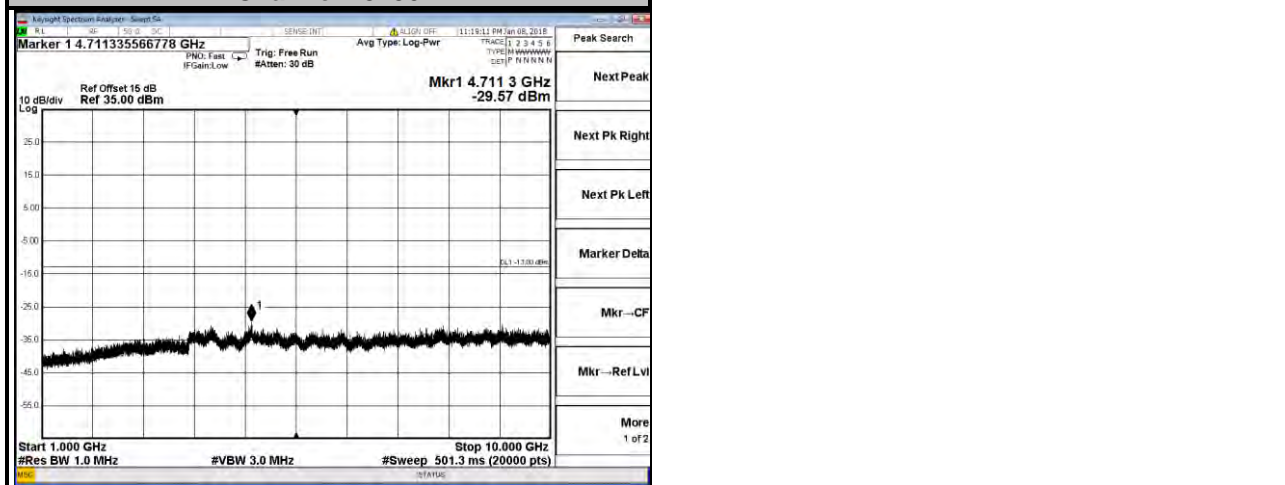


1GHz ~ 10GHz

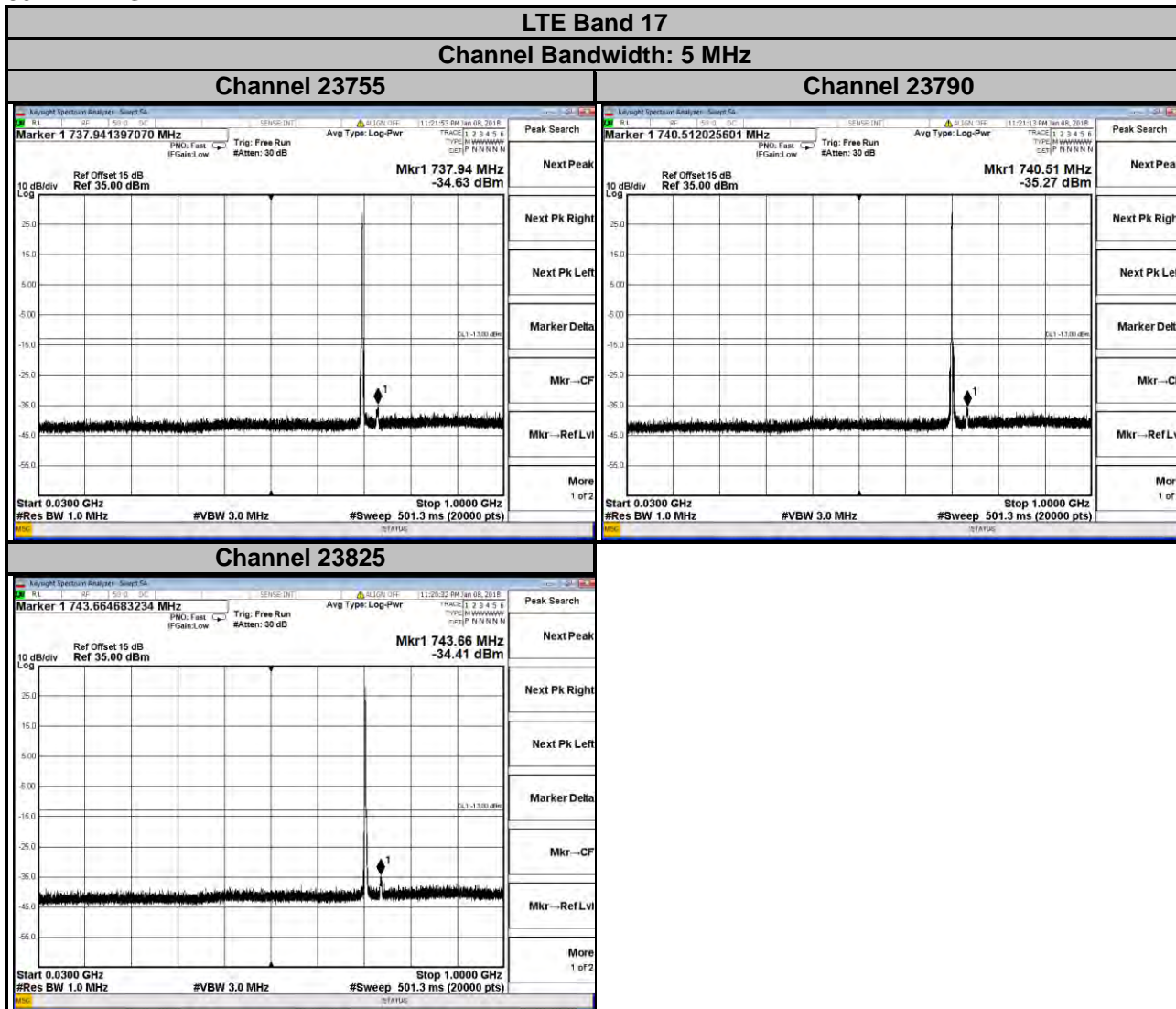
LTE Band 13
Channel Bandwidth: 5 MHz



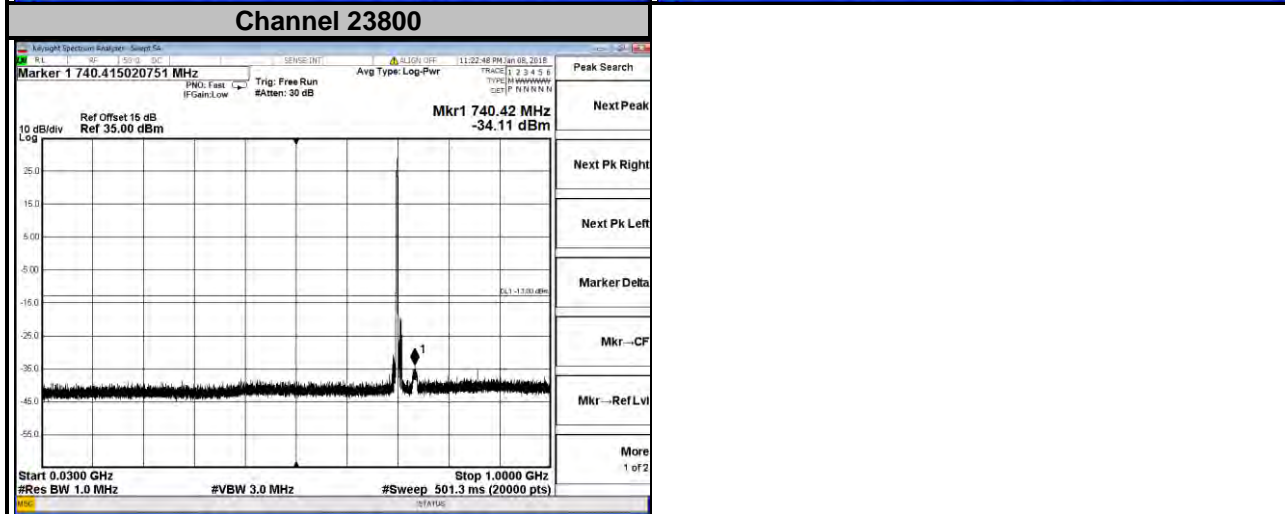
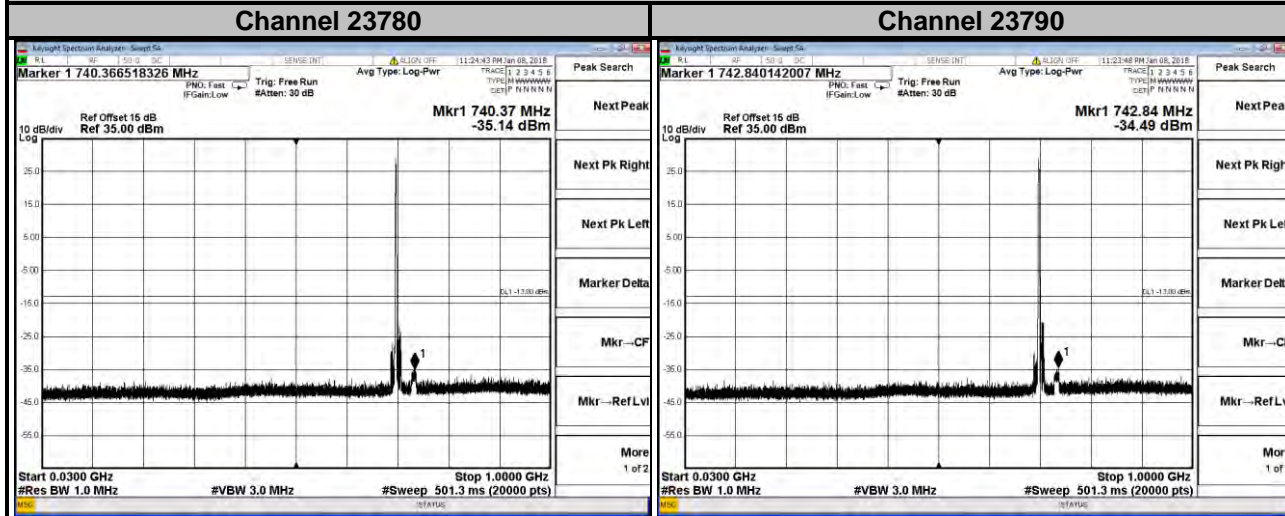
LTE Band 13
Channel Bandwidth: 10 MHz
Channel 23230



LTE Band 17
30MHz ~ 1GHz



LTE Band 17
Channel Bandwidth: 10 MHz



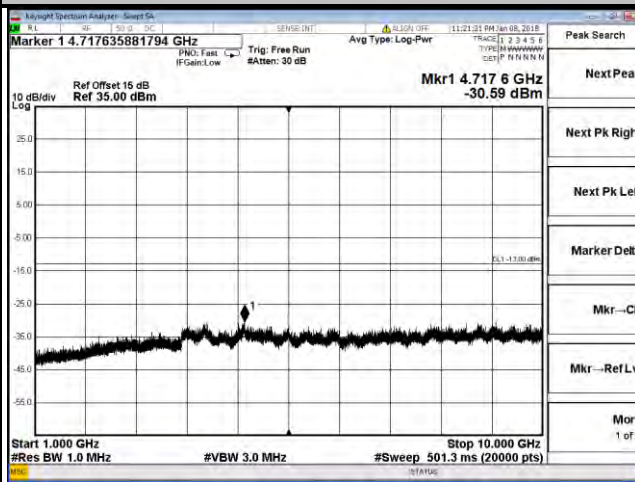
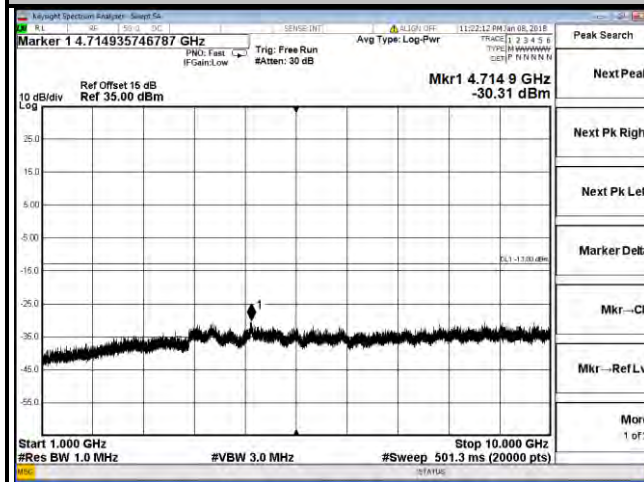
1GHz ~ 10GHz

LTE Band 17

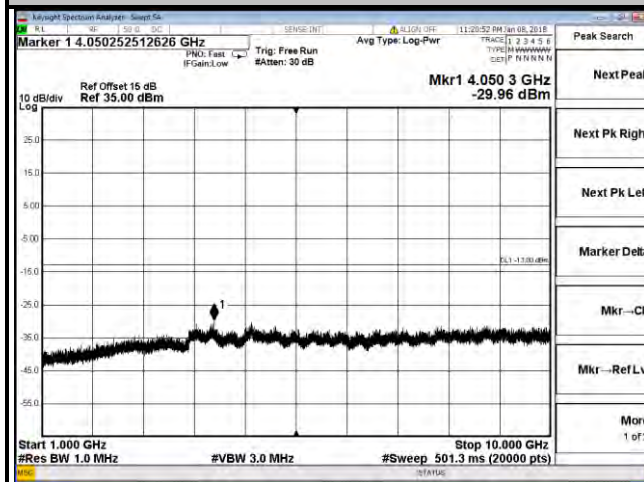
Channel Bandwidth: 5 MHz

Channel 23755

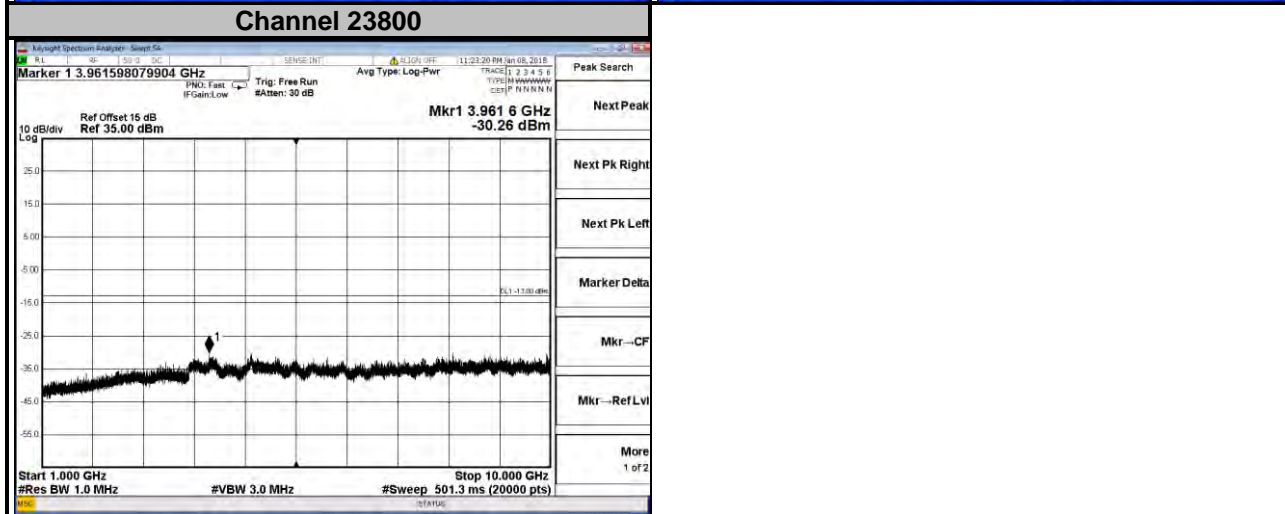
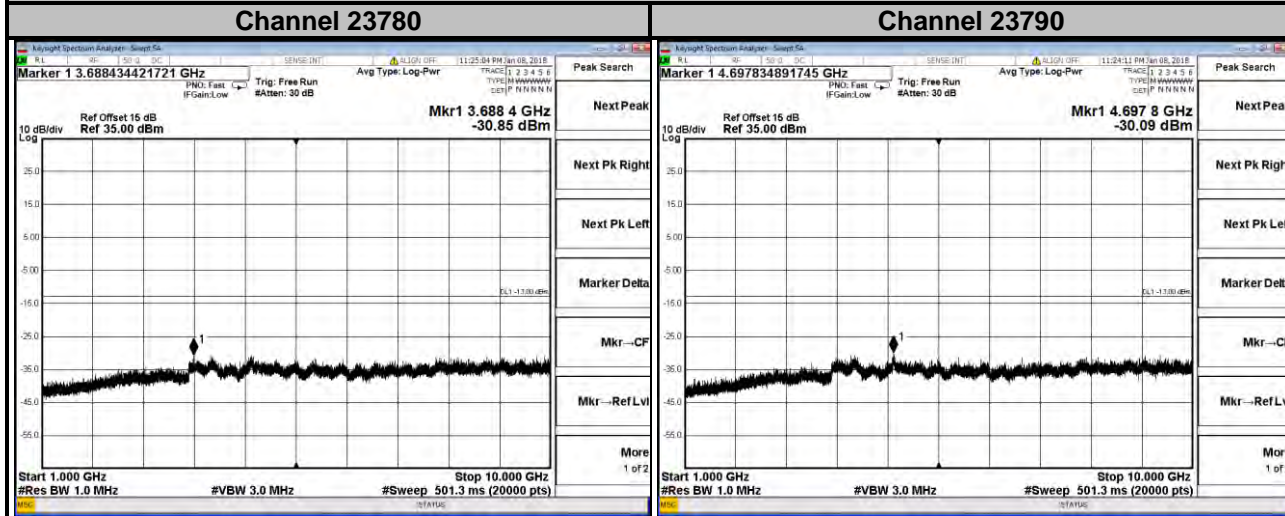
Channel 23790



Channel 23825



LTE Band 17
Channel Bandwidth: 10 MHz



4.7 Radiated Emission Measurement

4.7.1 Limits of Radiated Emission Measurement

- a. The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13 dBm.
- b. For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz. The limit of emissions is equal to -40 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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15 \text{ dBi}$.

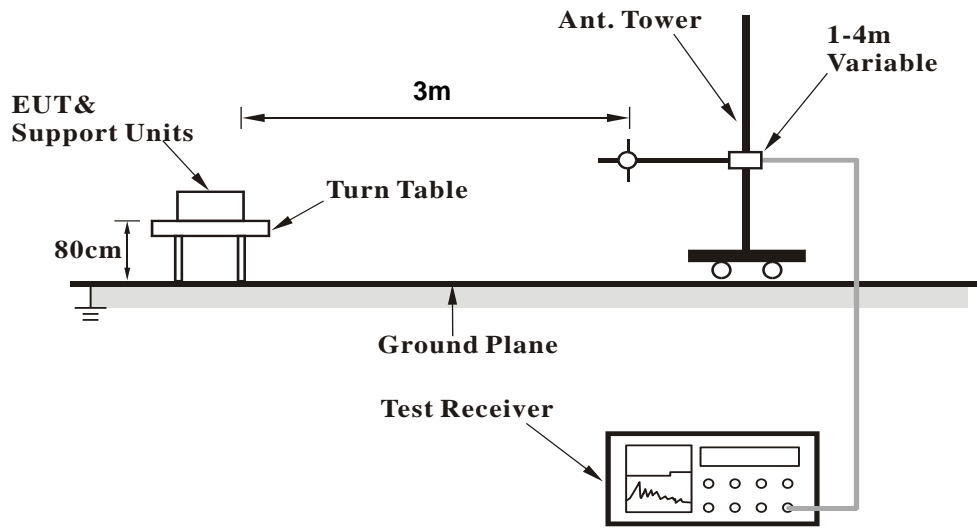
Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.7.3 Deviation from Test Standard

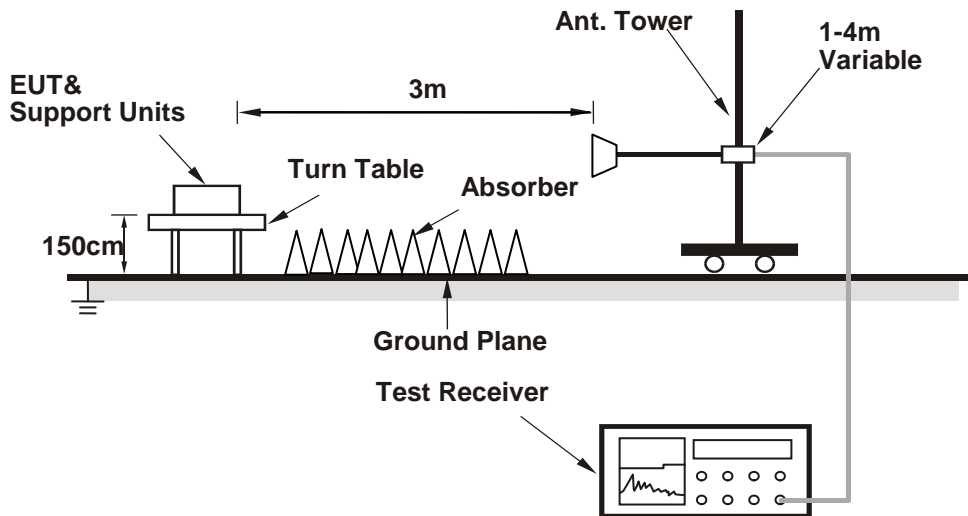
No deviation.

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

WCDMA:
Low Channel

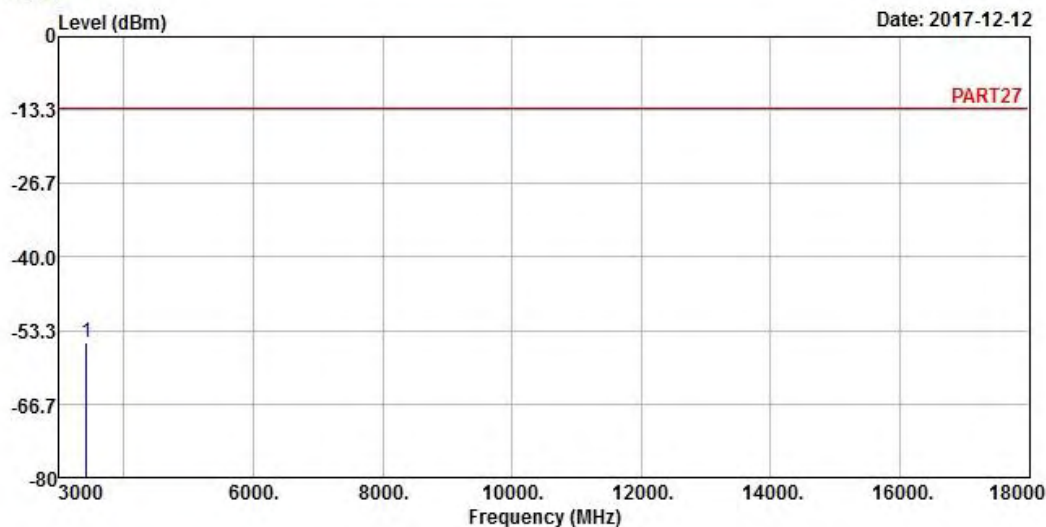


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A D T

Data: 5

Date: 2017-12-12



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remark : WCDMA Band 4 Link_L-CH
 Tested by: Getaz Yang

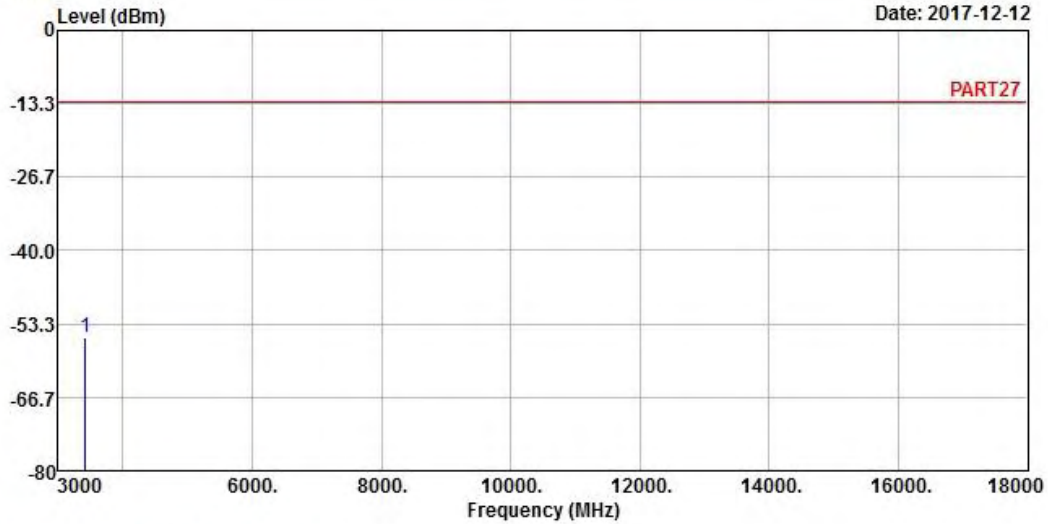
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 3424.80	-55.63	-46.54	-13.00	-42.63	-9.09	Peak



A D T

Data: 6

Date: 2017-12-12



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remark : WCDMA Band 4 Link_L-CH
 Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 3424.80	-55.67	-46.58	-13.00	-42.67	-9.09	Peak

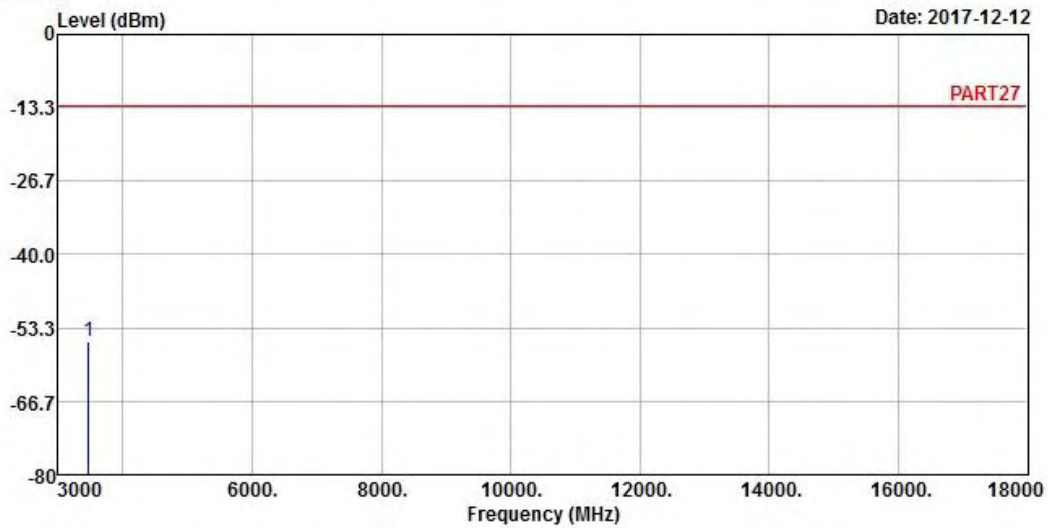
Middle Channel



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A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remark : WCDMA Band 4 Link_M-CH
 Tested by: Getaz Yang

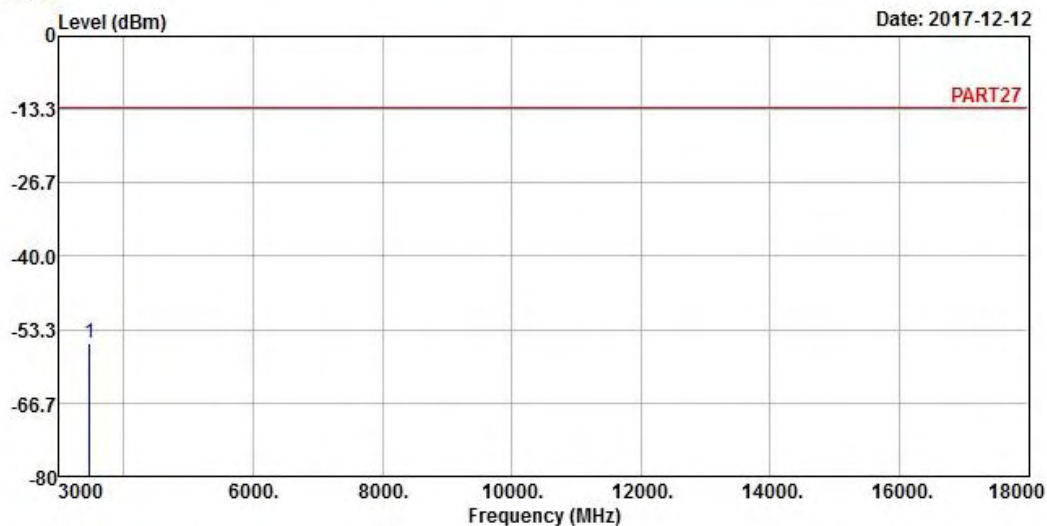
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3465.20	-55.70	-46.79	-13.00	-42.70	-8.91	Peak



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A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remark : WCDMA Band 4 Link_M-CH
 Tested by: Getaz Yang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3465.20	-55.89	-46.98	-13.00	-42.89	-8.91	Peak

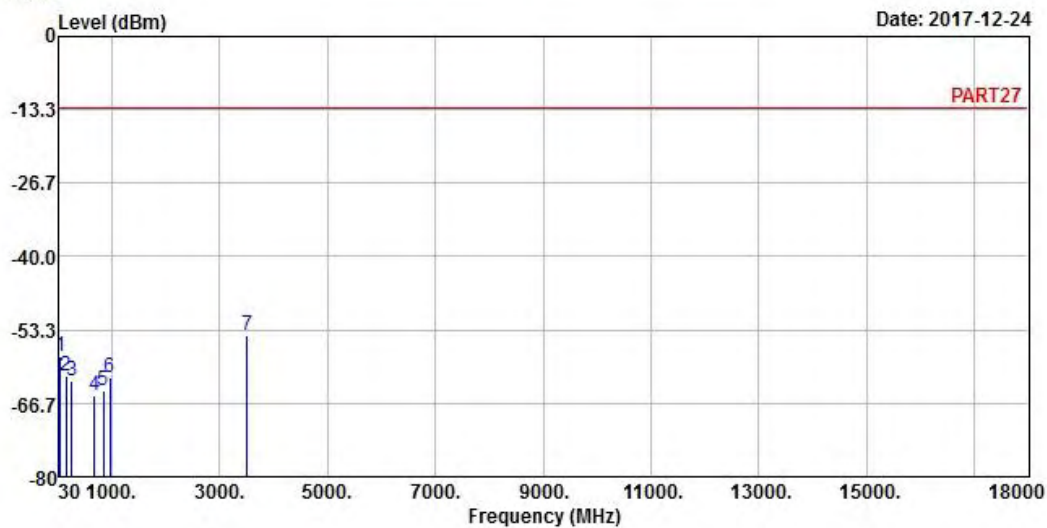
High Channel



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A D T

Data: 7



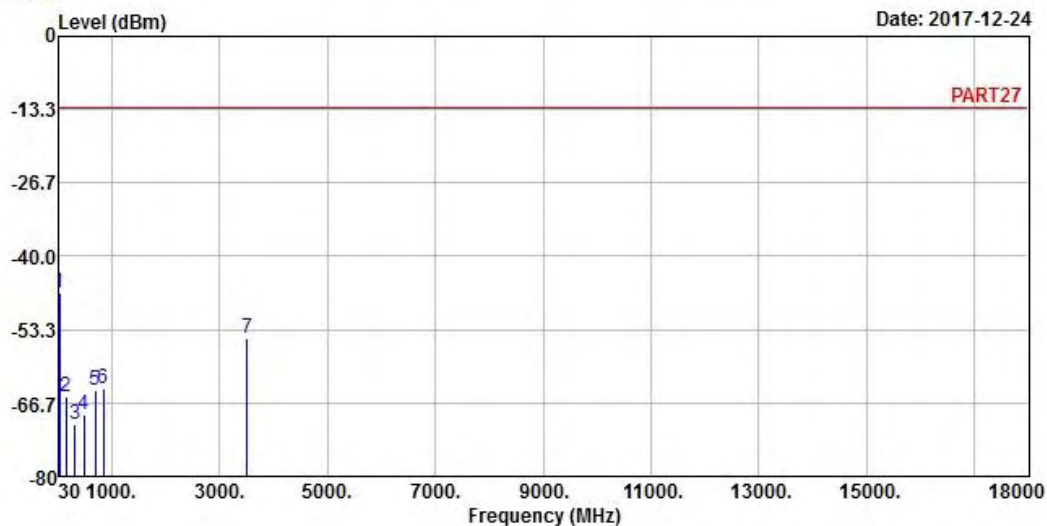
Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remark : WCDMA Band 4 Link_H-CH
 Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	42.61	-58.16	-57.22	-13.00	-45.16	-0.94	Peak
2	160.95	-61.57	-56.66	-13.00	-48.57	-4.91	Peak
3	256.01	-62.69	-56.58	-13.00	-49.69	-6.11	Peak
4	677.96	-65.19	-64.74	-13.00	-52.19	-0.45	Peak
5	841.89	-64.23	-64.59	-13.00	-51.23	0.36	Peak
6	968.96	-62.12	-64.60	-13.00	-49.12	2.48	Peak
7 pp	3505.20	-54.30	-46.19	-13.00	-41.30	-8.11	Peak



A D T

Data: 8



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remark : WCDMA Band 4 Link_H-CH
 Tested by: Getaz Yang

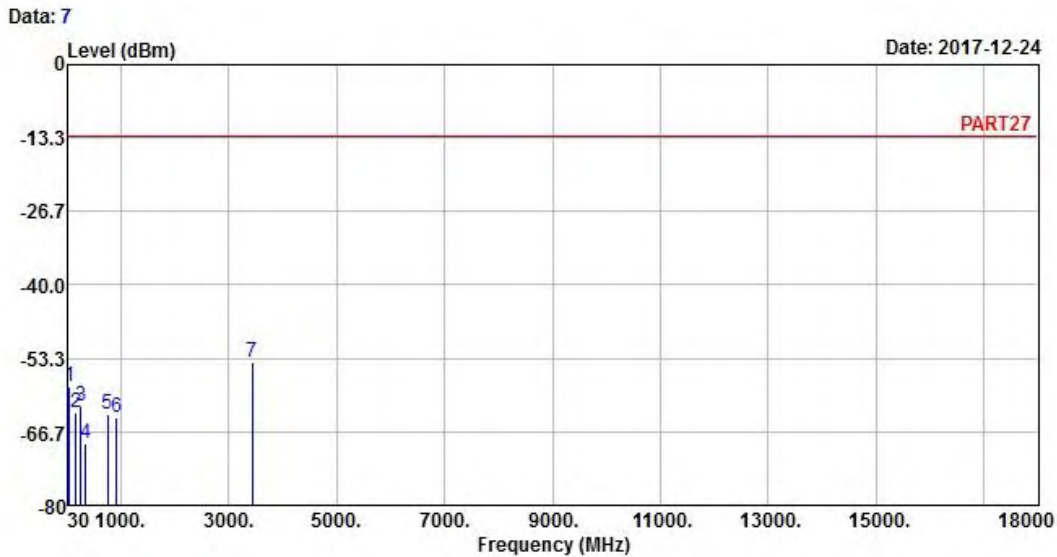
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	41.64	-46.54	-46.13	-13.00	-33.54	-0.41	Peak
2	160.95	-65.64	-60.73	-13.00	-52.64	-4.91	Peak
3	325.85	-70.49	-63.88	-13.00	-57.49	-6.61	Peak
4	489.78	-68.79	-63.98	-13.00	-55.79	-4.81	Peak
5	690.57	-64.38	-64.13	-13.00	-51.38	-0.25	Peak
6	852.56	-63.96	-64.27	-13.00	-50.96	0.31	Peak
7	3505.20	-55.00	-46.89	-13.00	-42.00	-8.11	Peak

LTE Band 4
 Channel Bandwidth: 20 MHz / QPSK
 Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

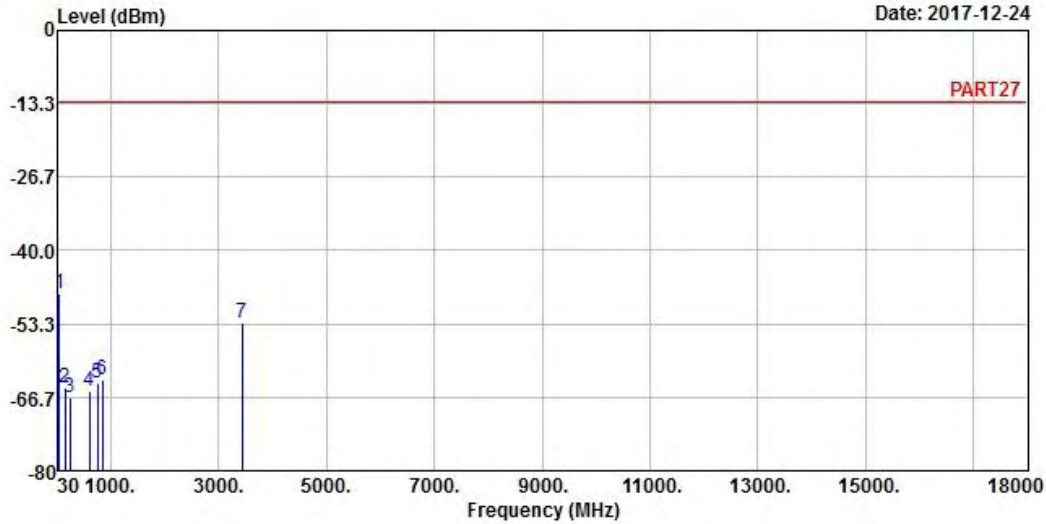
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	42.61	-58.33	-57.39	-13.00	-45.33	-0.94	Peak
2	166.77	-63.12	-57.80	-13.00	-50.12	-5.32	Peak
3	255.04	-62.06	-55.97	-13.00	-49.06	-6.09	Peak
4	355.92	-68.65	-62.45	-13.00	-55.65	-6.20	Peak
5	749.74	-63.51	-64.39	-13.00	-50.51	0.88	Peak
6	915.61	-63.92	-64.88	-13.00	-50.92	0.96	Peak
7 pp	3440.00	-54.03	-45.03	-13.00	-41.03	-9.00	Peak



A D T

Data: 8

Date: 2017-12-24



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-47.87	-46.40	-13.00	-34.87	-1.47	Peak
2	160.95	-64.82	-59.91	-13.00	-51.82	-4.91	Peak
3	248.25	-66.66	-60.59	-13.00	-53.66	-6.07	Peak
4	601.33	-65.46	-64.70	-13.00	-52.46	-0.76	Peak
5	762.35	-64.01	-64.85	-13.00	-51.01	0.84	Peak
6	853.53	-63.57	-63.88	-13.00	-50.57	0.31	Peak
7	3440.00	-53.19	-44.19	-13.00	-40.19	-9.00	Peak

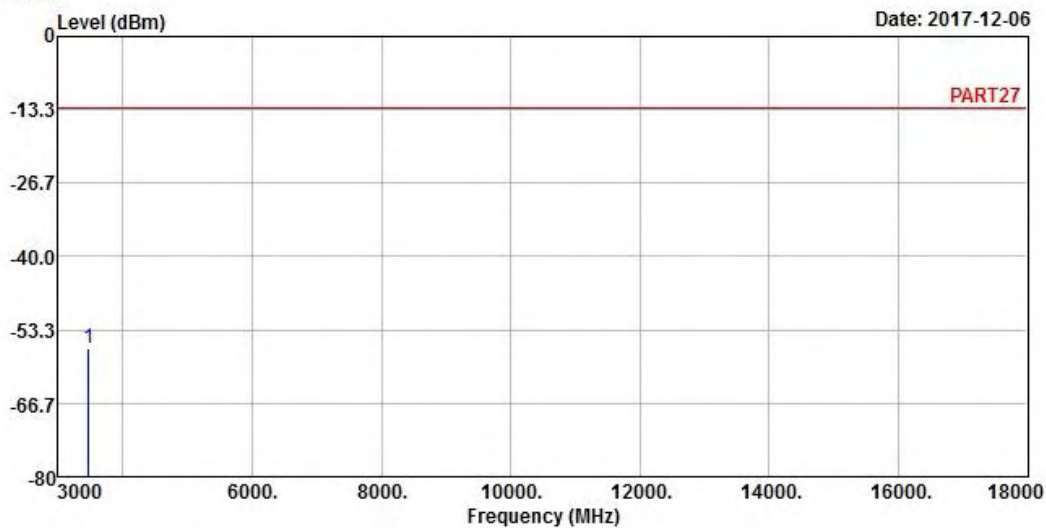
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

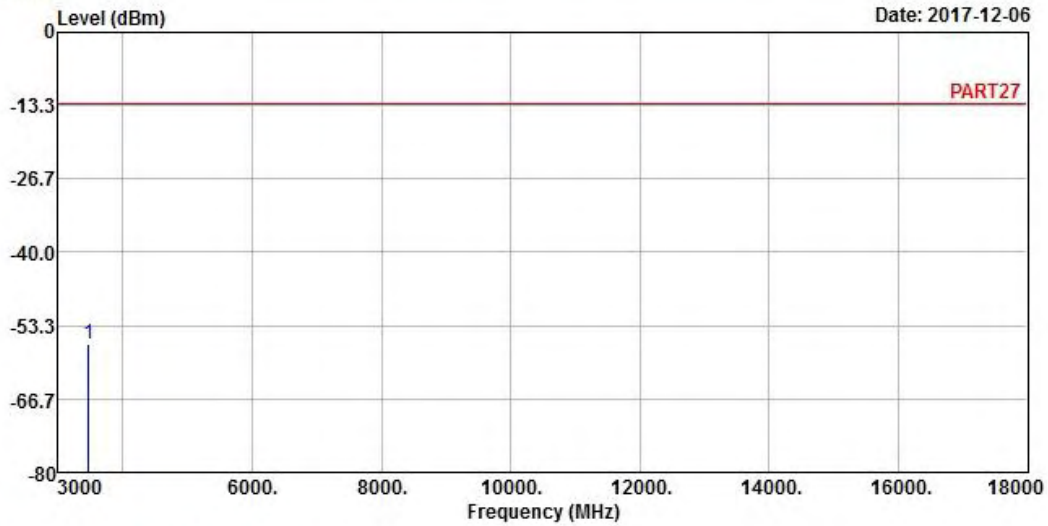
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3465.00	-56.68	-47.77	-13.00	-43.68	-8.91	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3465.00	-56.58	-47.67	-13.00	-43.58	-8.91	Peak

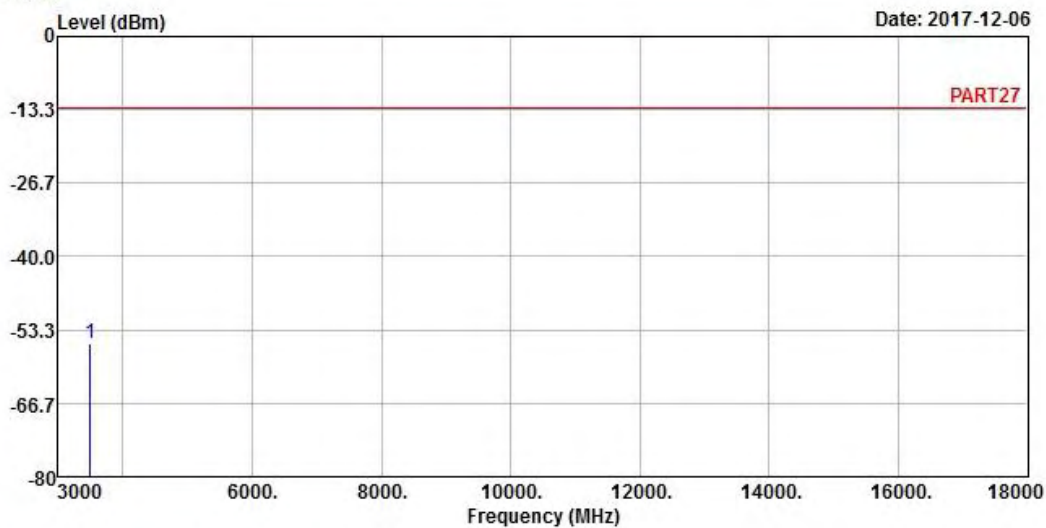
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

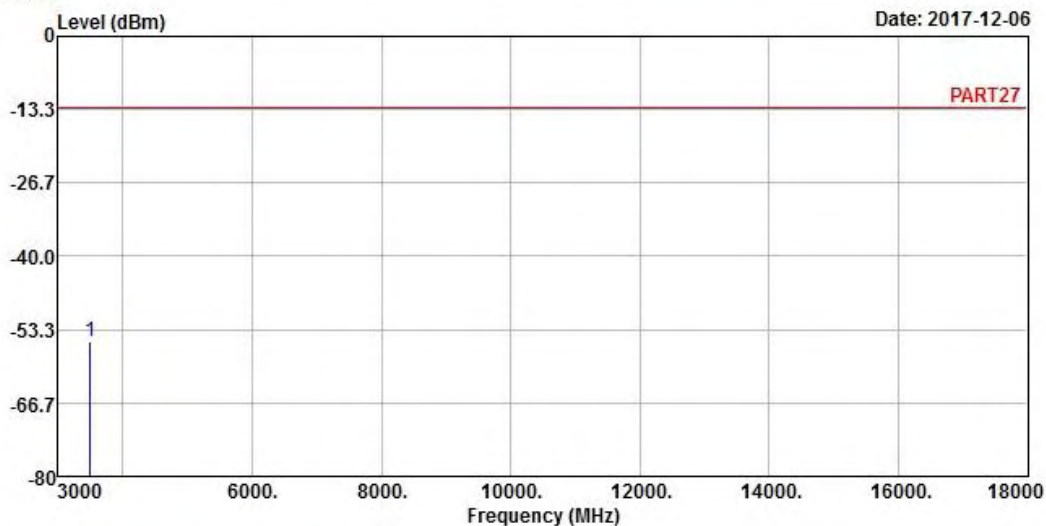
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3490.00	-55.88	-47.37	-13.00	-42.88	-8.51	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 4 QPSK_20M Link
 Tested by: Jisyong Wang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 3490.00	-55.46	-46.95	-13.00	-42.46	-8.51	Peak

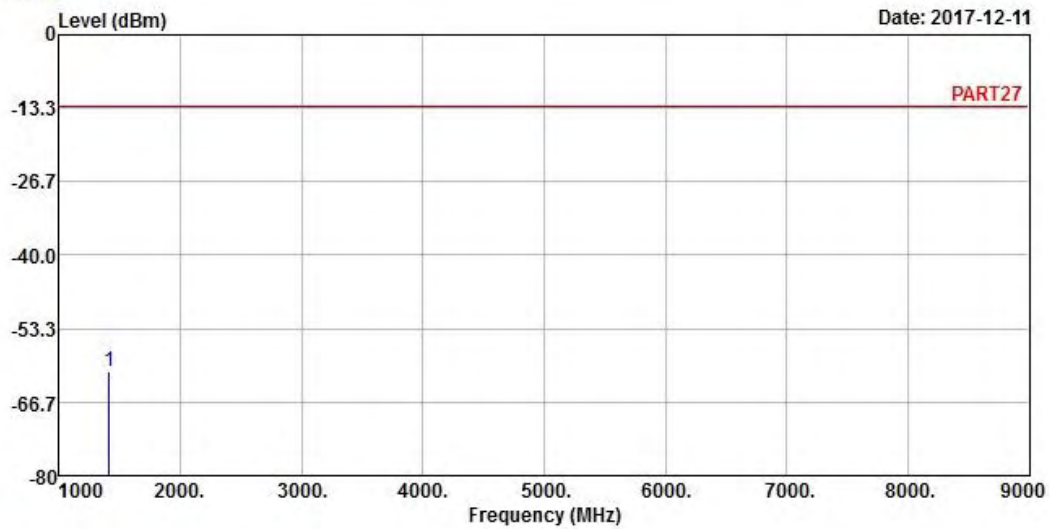
LTE Band 12
 Channel Bandwidth: 10 MHz / QPSK
 Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_10M _L-CH
 Tested by: Jisyong Wang

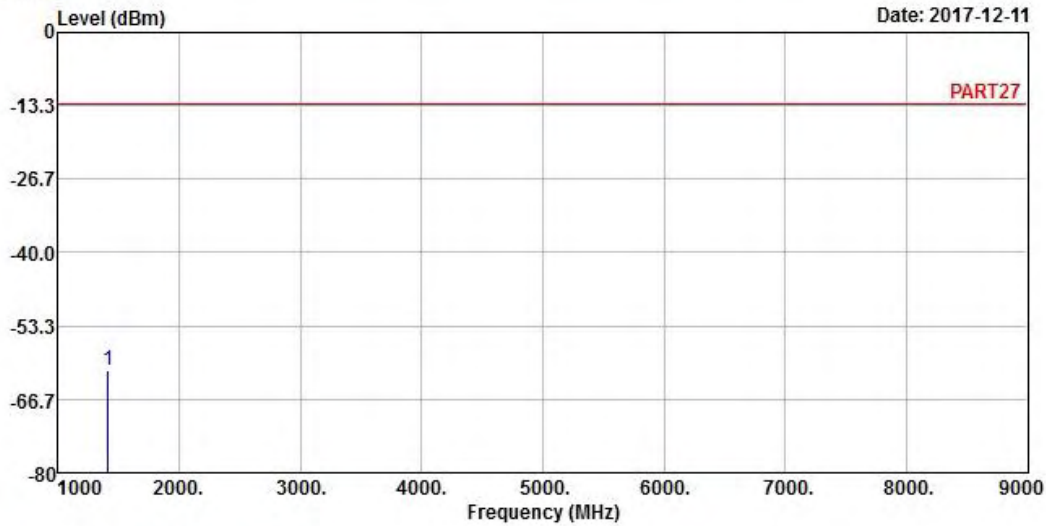
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1408.00	-61.04	-46.70	-13.00	-48.04	-14.34	Peak



A D T

Data: 4

Date: 2017-12-11



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 12 QPSK_10M _L-CH
 Tested by: Jisyong Wang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1408.00	-61.49	-47.15	-13.00	-48.49	-14.34	Peak

Middle Channel

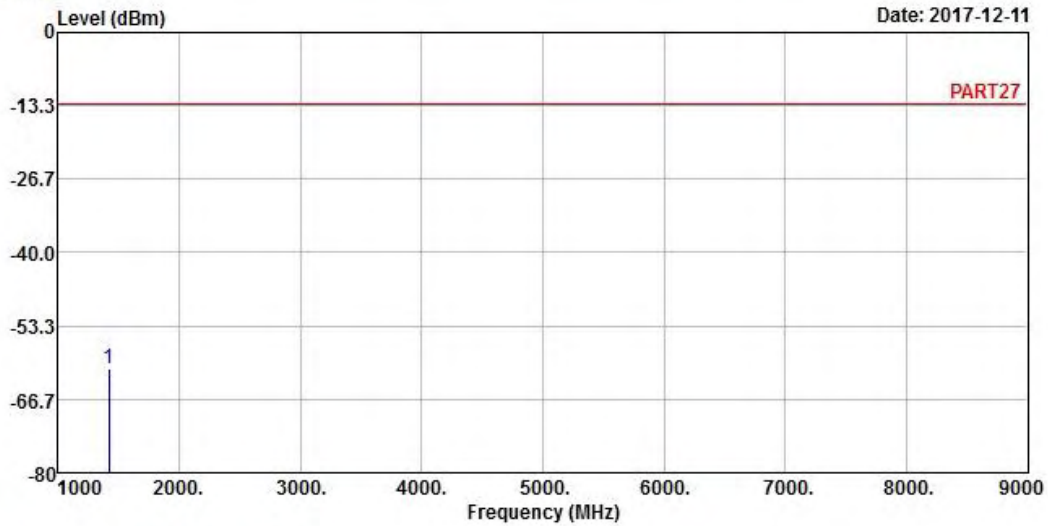


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2017-12-11



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_10M _M-CH
 Tested by: Jisyong Wang

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

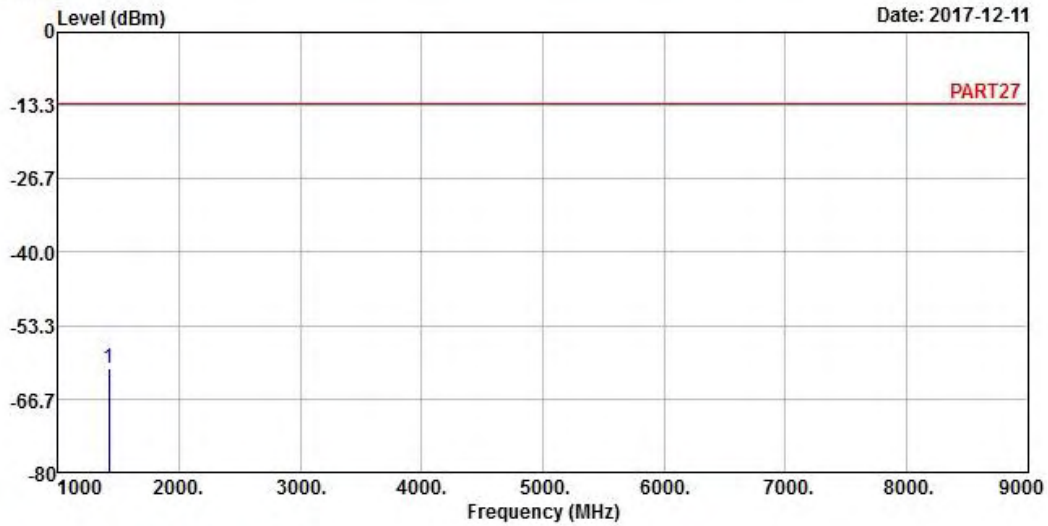
1 pp 1415.00 -61.21 -46.87 -13.00 -48.21 -14.34 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 12 QPSK_10M _M-CH
 Tested by: Jisyong Wang

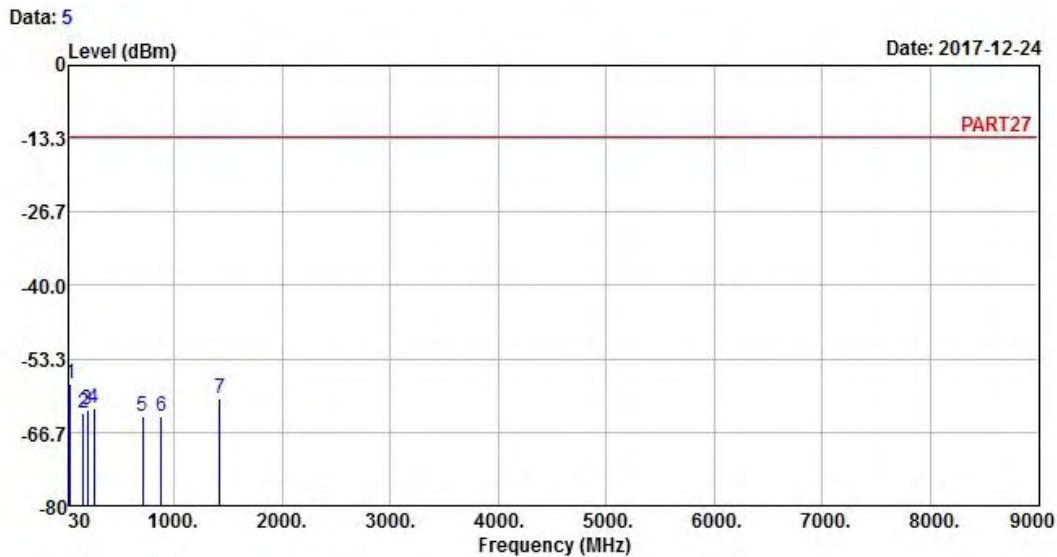
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1415.00	-61.04	-46.70	-13.00	-48.04	-14.34	Peak

High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_10M _H-CH
 Tested by: Jisyong Wang

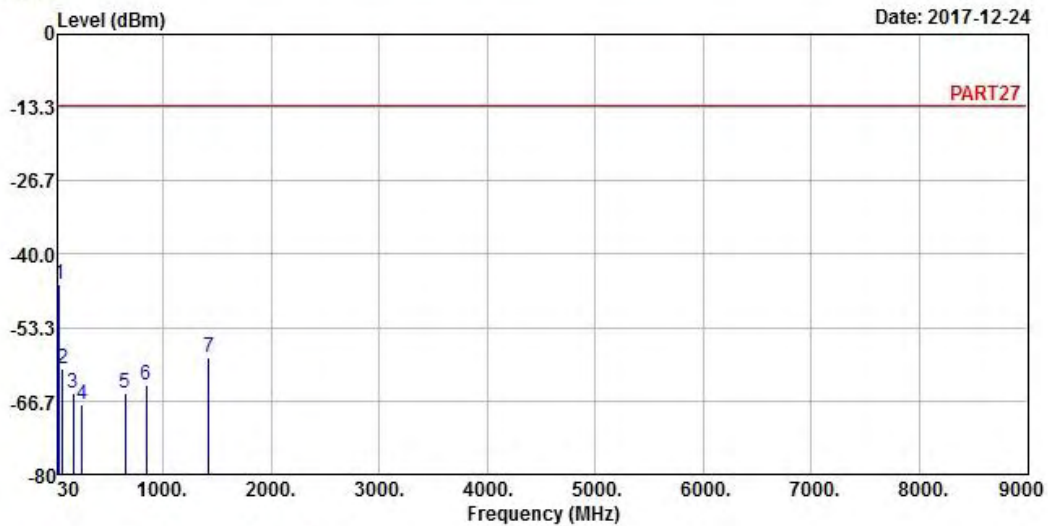
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	42.61	-57.93	-56.99	-13.00	-44.93	-0.94	Peak
2	161.92	-63.17	-58.19	-13.00	-50.17	-4.98	Peak
3	197.81	-62.59	-54.76	-13.00	-49.59	-7.83	Peak
4	255.04	-62.36	-56.27	-13.00	-49.36	-6.09	Peak
5	706.09	-63.71	-63.73	-13.00	-50.71	0.02	Peak
6	883.60	-63.80	-64.28	-13.00	-50.80	0.48	Peak
7	1422.00	-60.58	-46.24	-13.00	-47.58	-14.34	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 12 QPSK_10M _H-CH
 Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	42.61	-45.52	-44.58	-13.00	-32.52	-0.94	Peak
2	68.80	-60.75	-52.43	-13.00	-47.75	-8.32	Peak
3	169.68	-65.34	-59.81	-13.00	-52.34	-5.53	Peak
4	249.22	-67.38	-61.35	-13.00	-54.38	-6.03	Peak
5	646.92	-65.30	-64.42	-13.00	-52.30	-0.88	Peak
6	841.89	-63.84	-64.20	-13.00	-50.84	0.36	Peak
7	1422.00	-58.62	-44.28	-13.00	-45.62	-14.34	Peak

LTE Band 13
Channel Bandwidth: 10 MHz / QPSK

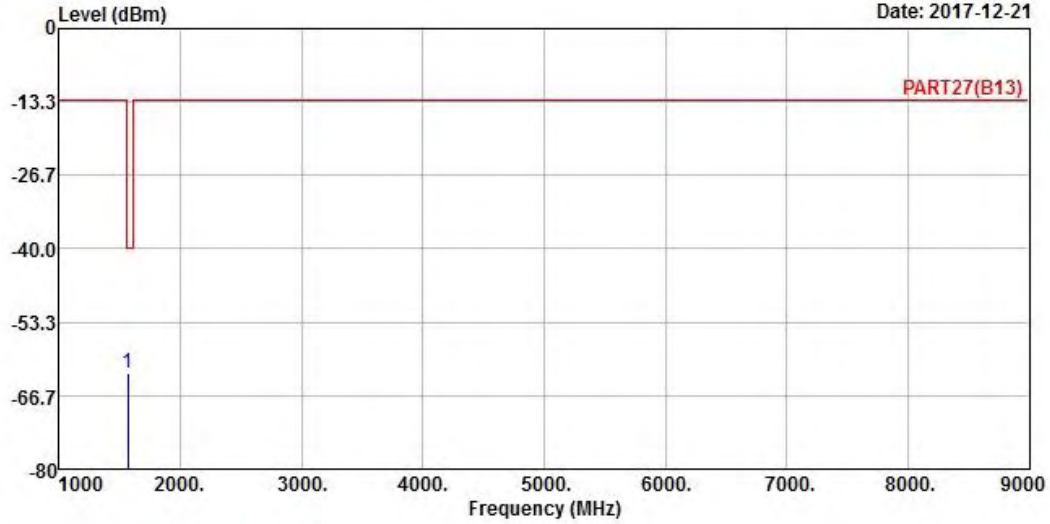


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A D T

Data: 3

Date: 2017-12-21



Site : 966 Chamber 5
 Condition: PART27(B13) HORIZONTAL
 Remak : LTE Band 13 QPSK_10M _M-CH
 Tested by: Jisyong Wang

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

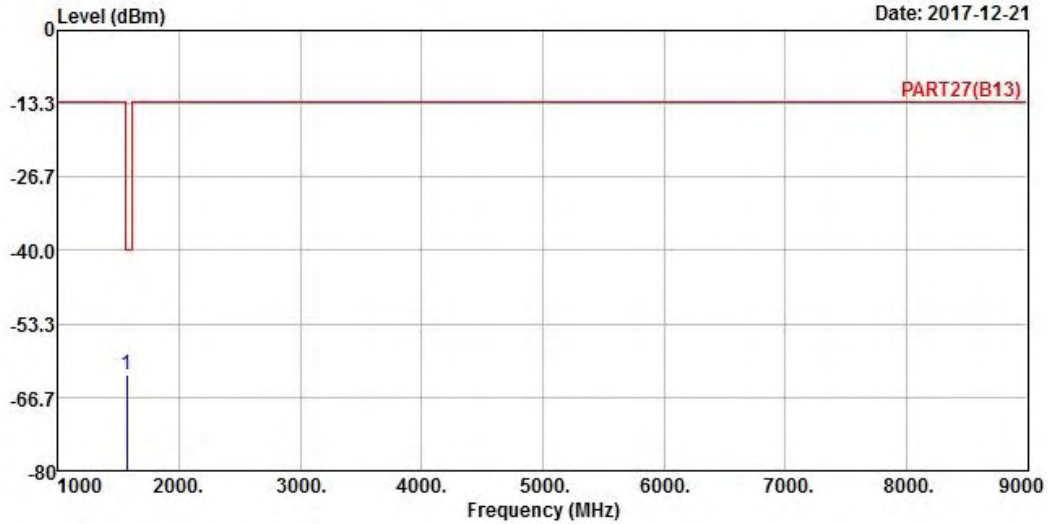
1 pp 1564.00 -62.60 -47.58 -40.00 -22.60 -15.02 Peak



A D T

Data: 4

Date: 2017-12-21



Site : 966 Chamber 5
 Condition: PART27(B13) VERTICAL
 Remak : LTE Band 13 QPSK_10M _M-CH
 Tested by: Jisyong Wang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1564.00	-62.54	-47.52	-40.00	-22.54	-15.02	Peak

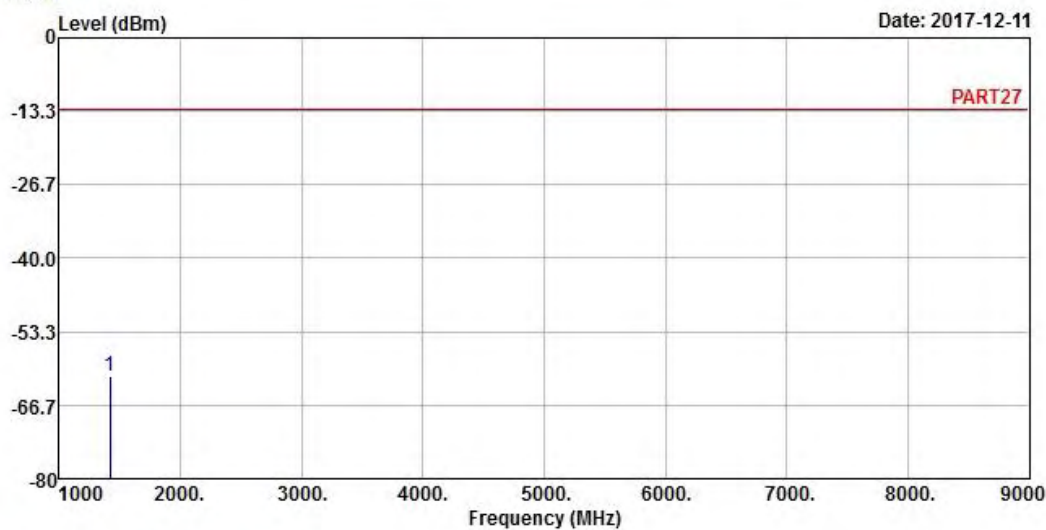
LTE Band 17
 Channel Bandwidth: 10 MHz / QPSK
 Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 17 QPSK_10M _L-CH
 Tested by: Jisyong Wang

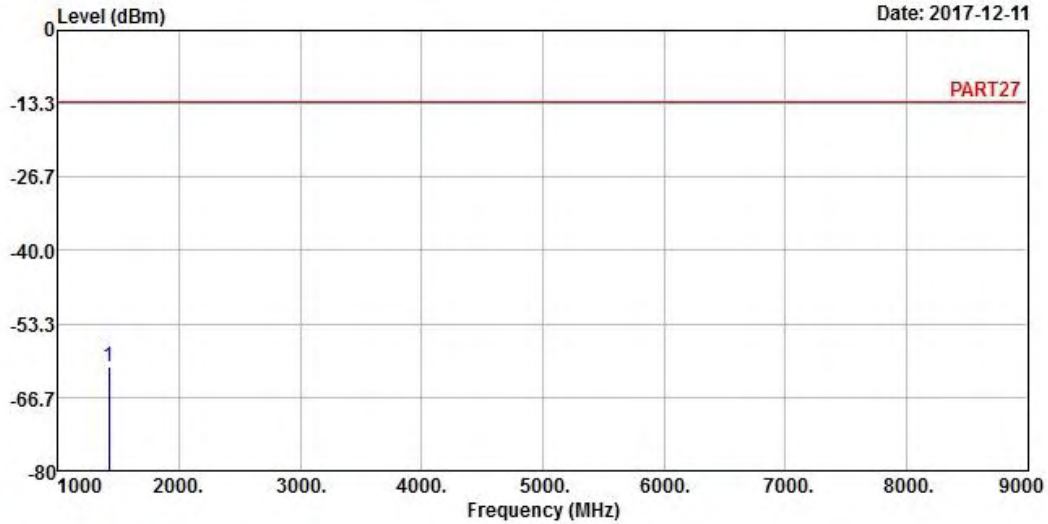
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1418.00	-61.43	-47.09	-13.00	-48.43	-14.34	Peak



A D T

Data: 4

Date: 2017-12-11



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 17 QPSK_10M _L-CH
 Tested by: Jisyong Wang

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1418.00	-61.12	-46.78	-13.00	-48.12	-14.34	Peak

Middle Channel

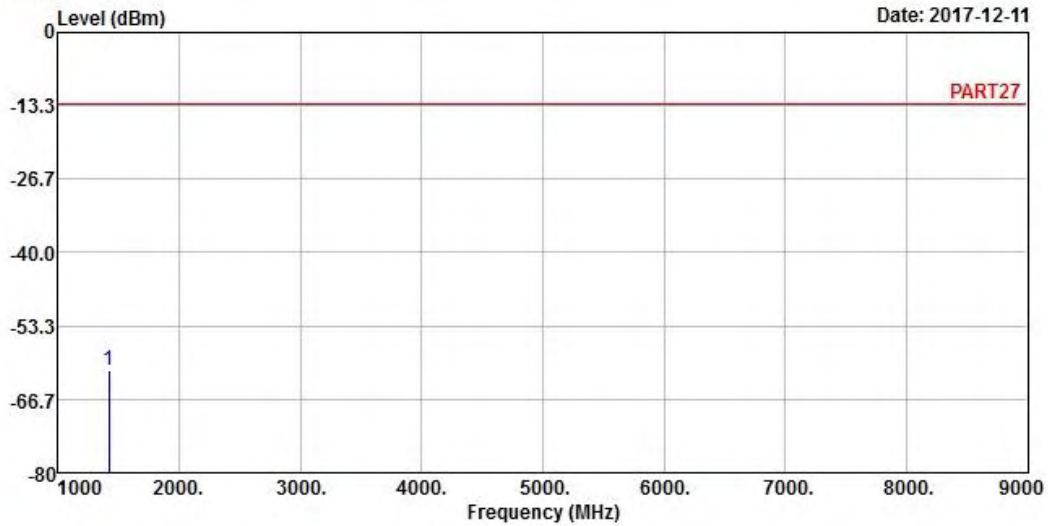


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A D T

Data: 3

Date: 2017-12-11



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 17 QPSK_10M _M-CH
 Tested by: Jisyong Wang

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

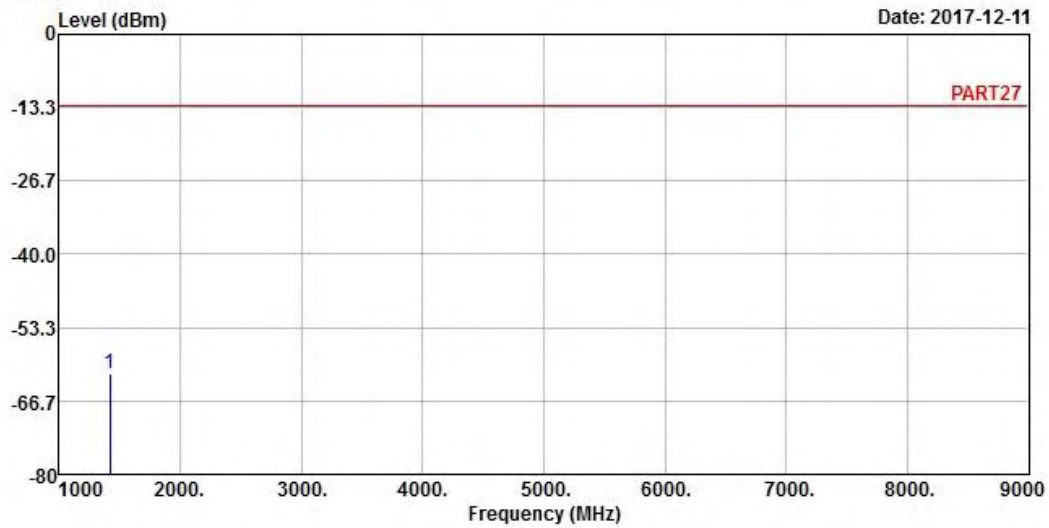
1 pp 1420.00 -61.32 -46.98 -13.00 -48.32 -14.34 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 17 QPSK_10M _M-CH
 Tested by: Jisyong Wang

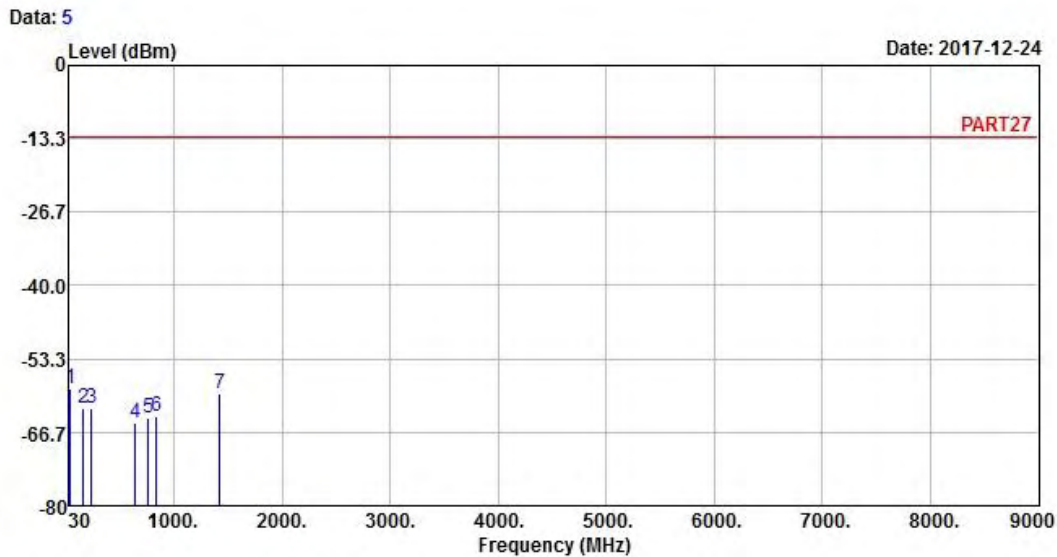
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1420.00	-61.61	-47.27	-13.00	-48.61	-14.34	Peak

High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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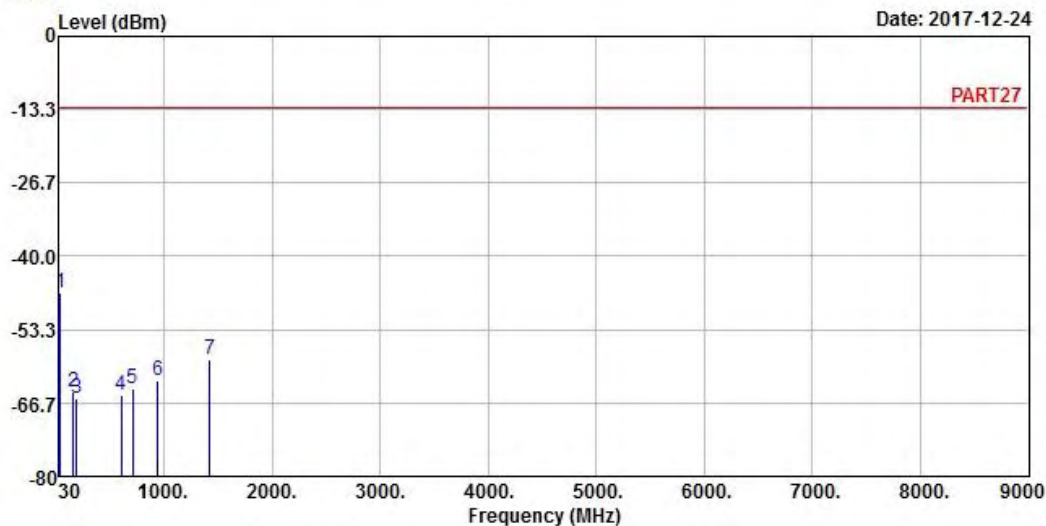
Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 17 QPSK_10M _H-CH
 Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp	42.61	-58.70	-57.76	-13.00	-45.70	-0.94 Peak
2		160.95	-62.25	-57.34	-13.00	-49.25	-4.91 Peak
3		234.67	-62.35	-55.73	-13.00	-49.35	-6.62 Peak
4		639.16	-64.97	-64.11	-13.00	-51.97	-0.86 Peak
5		759.44	-64.12	-64.97	-13.00	-51.12	0.85 Peak
6		833.16	-63.65	-64.09	-13.00	-50.65	0.44 Peak
7		1422.00	-59.53	-45.19	-13.00	-46.53	-14.34 Peak



A D T

Data: 6



Site : 966 Chamber 5
 Condition: PART27 VERTICAL
 Remak : LTE Band 17 QPSK_10M _H-CH
 Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	41.64	-46.67	-46.26	-13.00	-33.67	-0.41	Peak
2	160.95	-64.59	-59.68	-13.00	-51.59	-4.91	Peak
3	189.08	-65.82	-58.70	-13.00	-52.82	-7.12	Peak
4	602.30	-65.26	-64.50	-13.00	-52.26	-0.76	Peak
5	711.91	-64.09	-64.22	-13.00	-51.09	0.13	Peak
6	944.71	-62.55	-64.23	-13.00	-49.55	1.68	Peak
7	1422.00	-58.84	-44.50	-13.00	-45.84	-14.34	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:

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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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