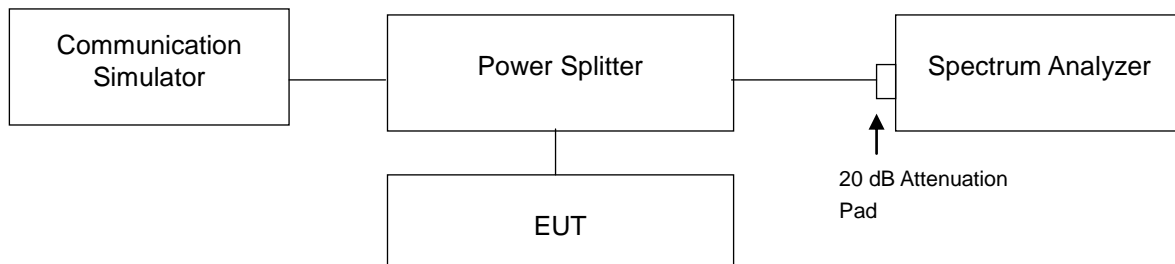


4.6 Conducted Spurious Emissions

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 $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25 dBm.

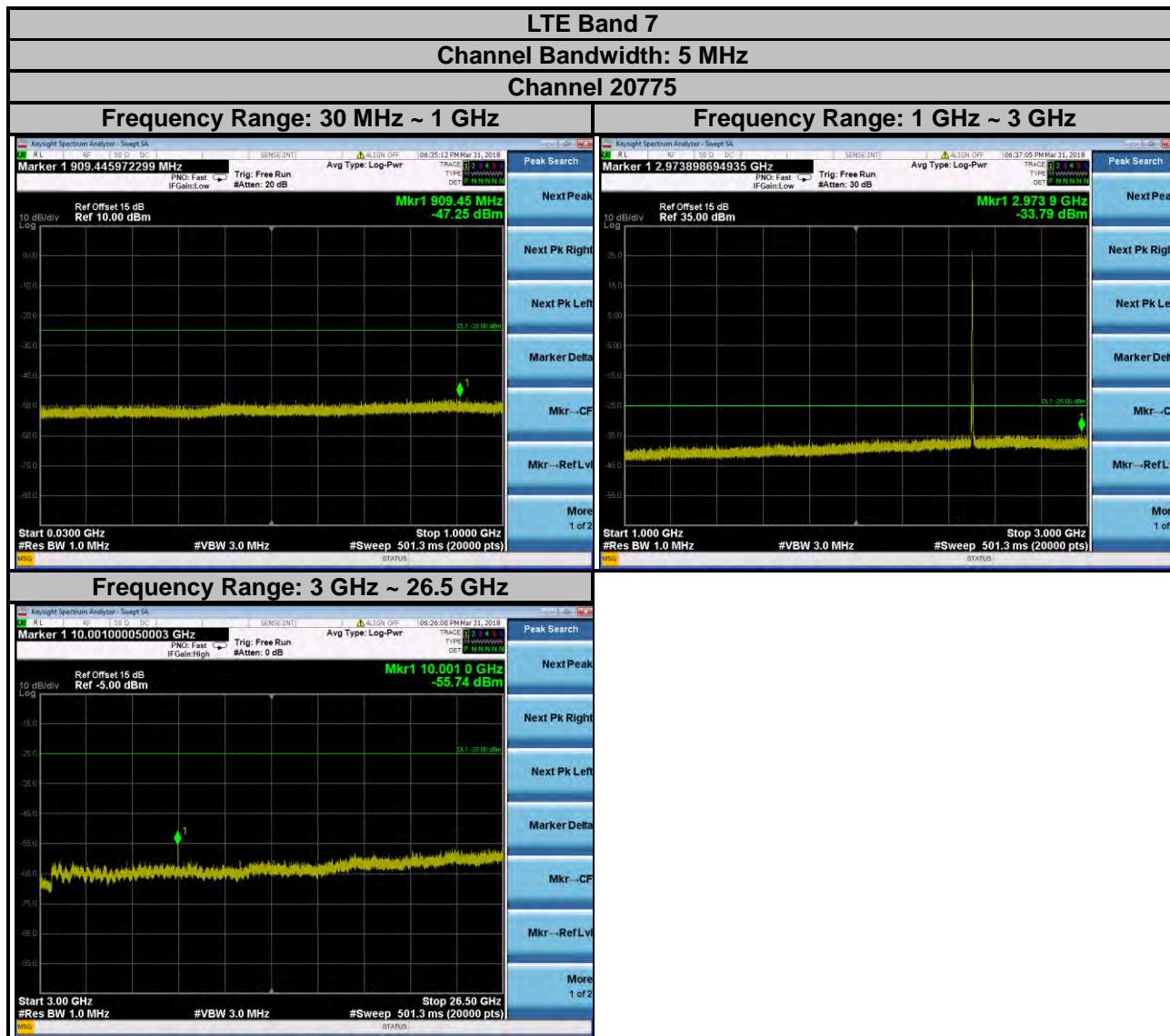
4.6.2 Test Setup



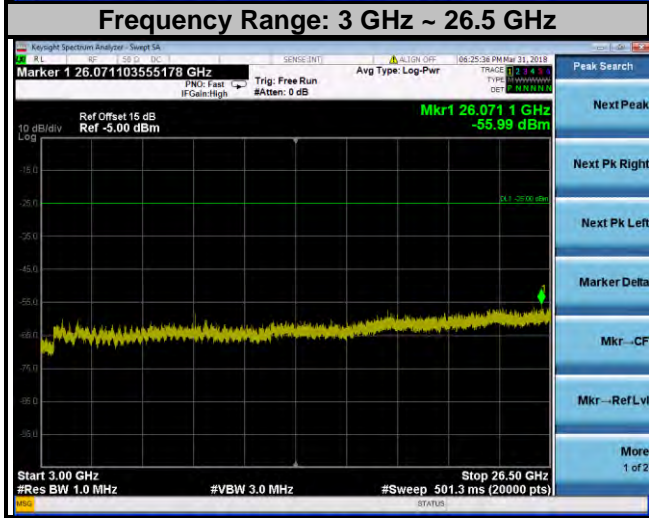
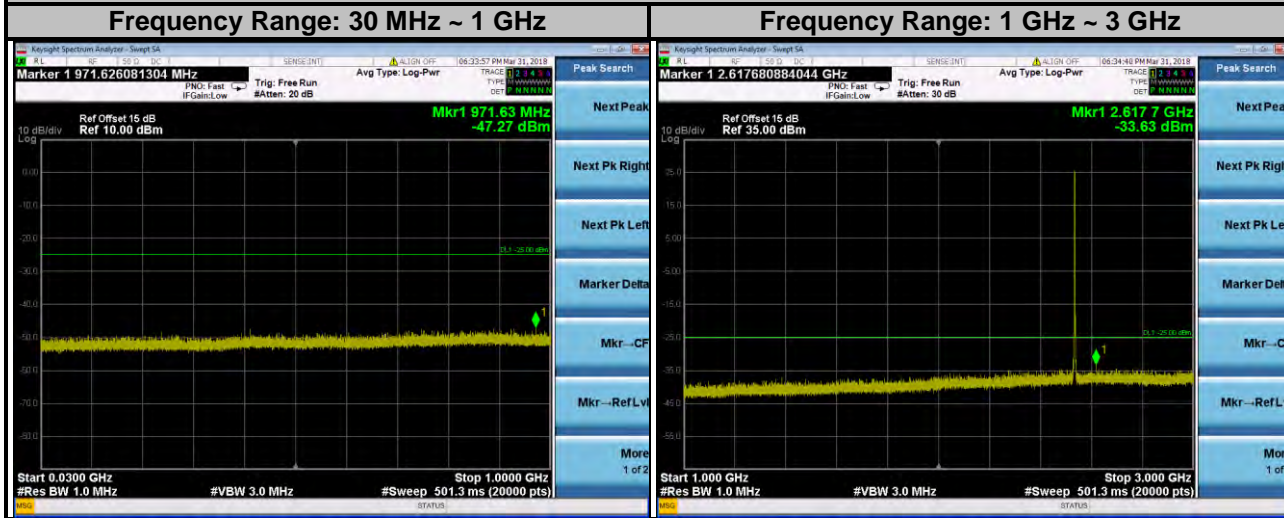
4.6.3 Test Procedure

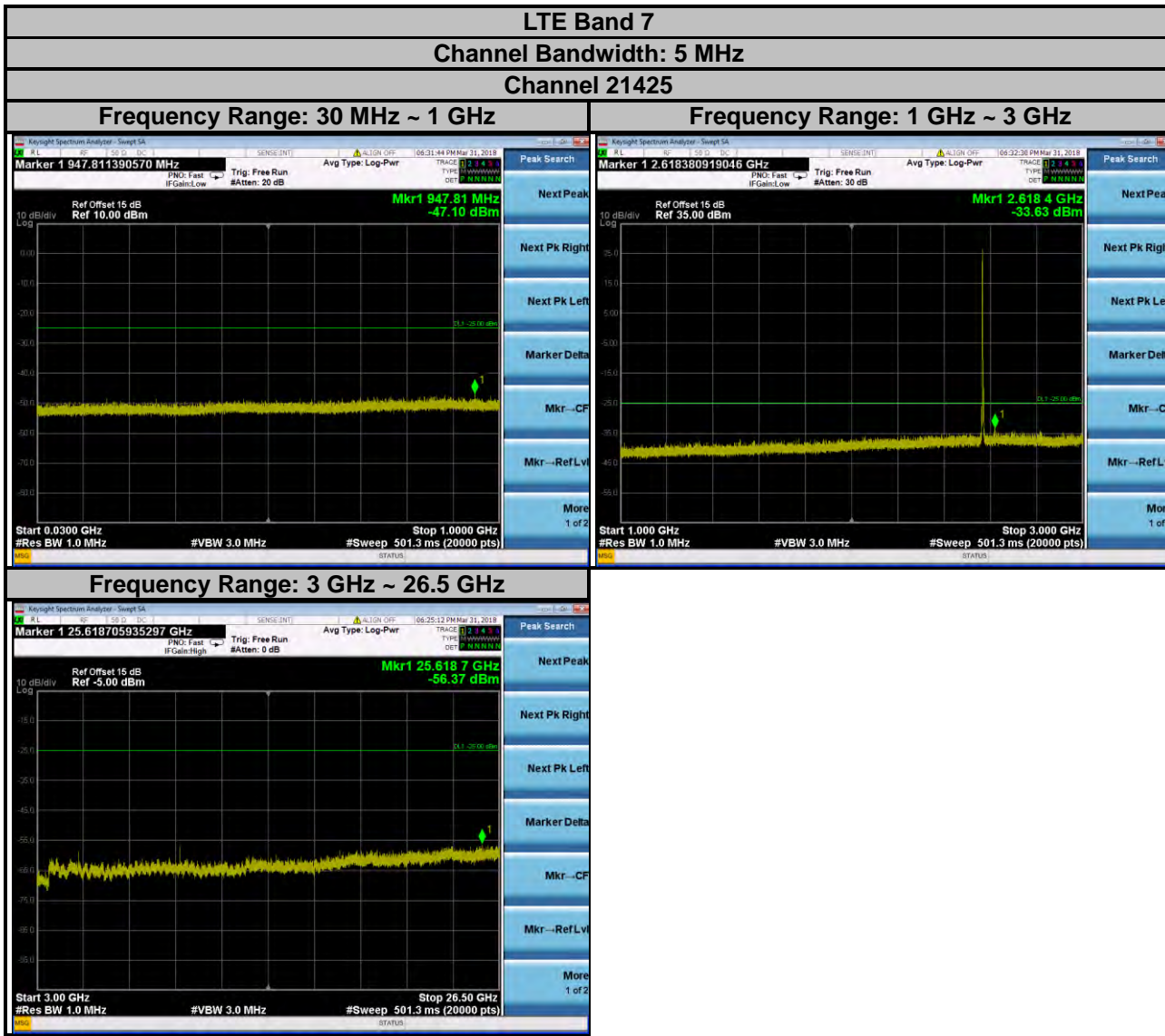
- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30 MHz to 26.5 GHz for LTE Band 7 and from 30 MHz to 27 GHz for LTE Band 38/41. 10 dB attenuation pad is connected with spectrum. RBW = 1 MHz and VBW = 3 MHz are used for conducted emission measurement.

4.6.4 Test Results

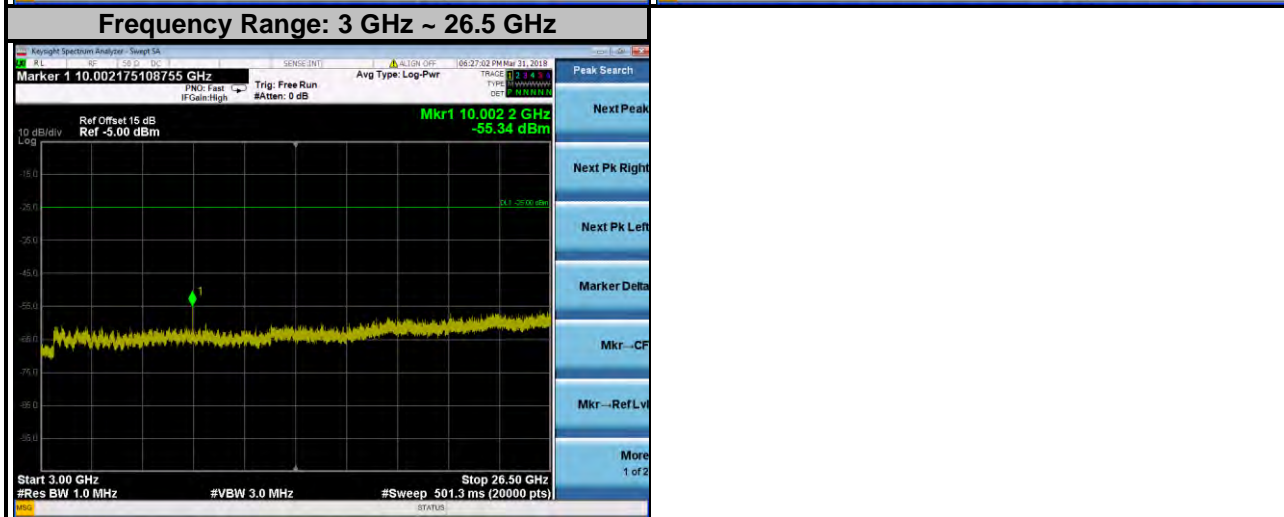
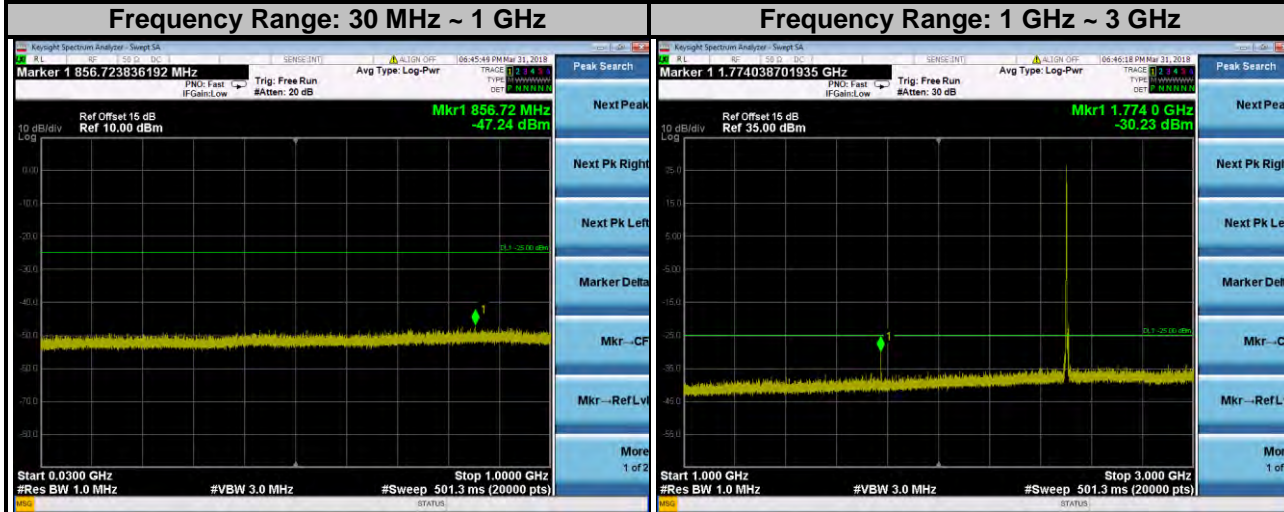


LTE Band 7
Channel Bandwidth: 5 MHz
Channel 21100

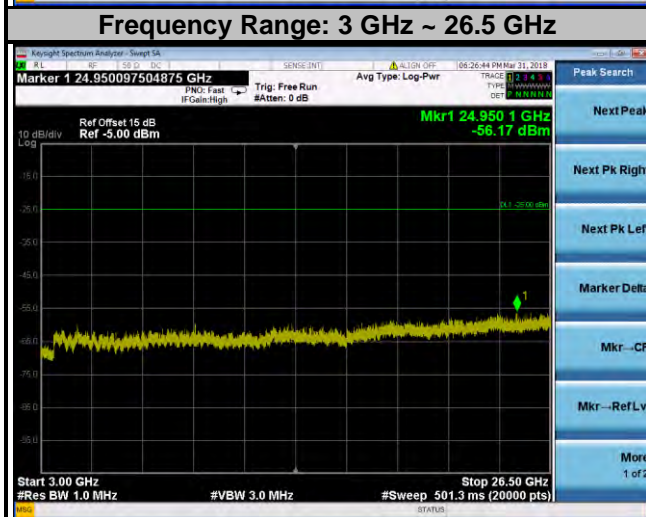
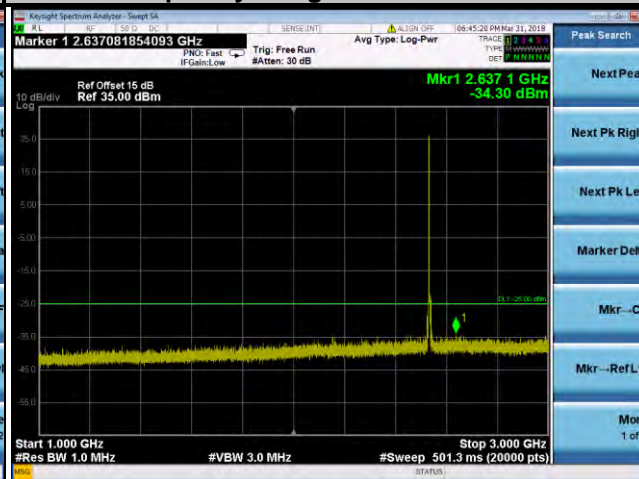
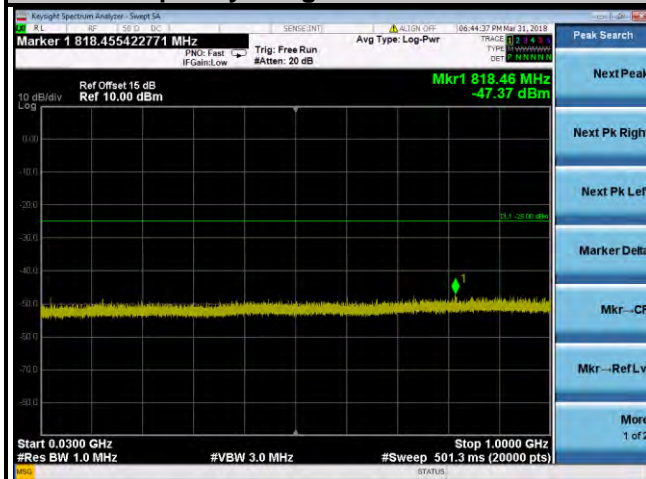




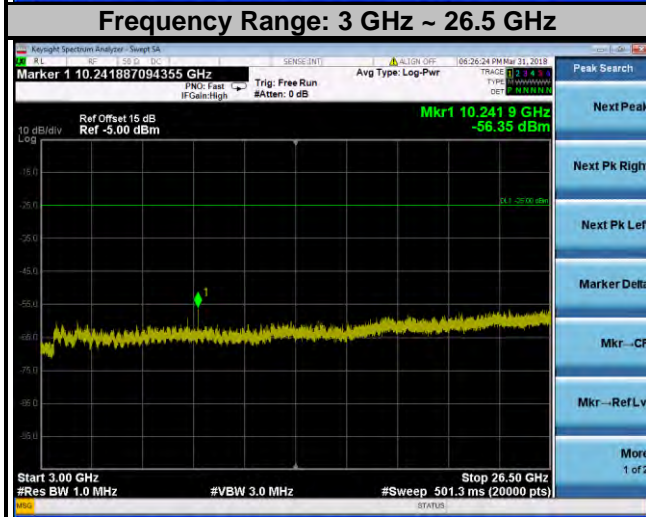
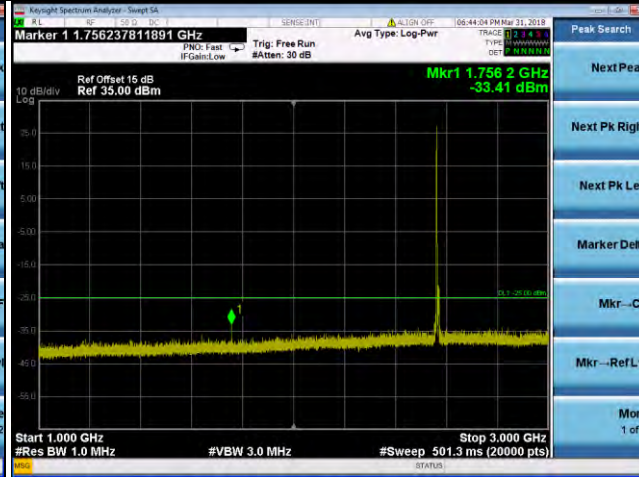
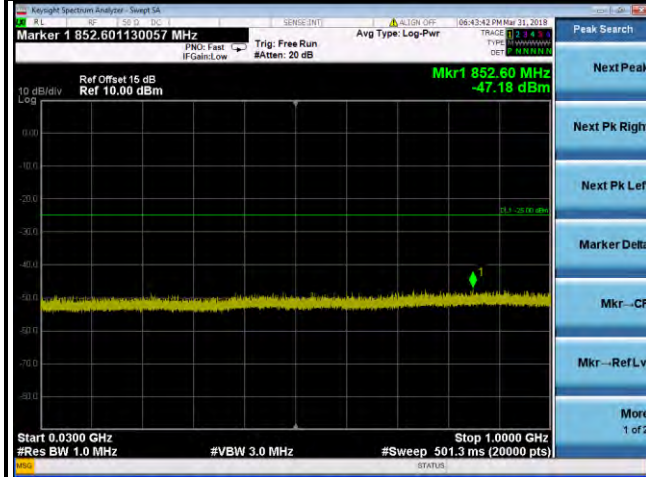
LTE Band 7
Channel Bandwidth: 10 MHz
Channel 20800



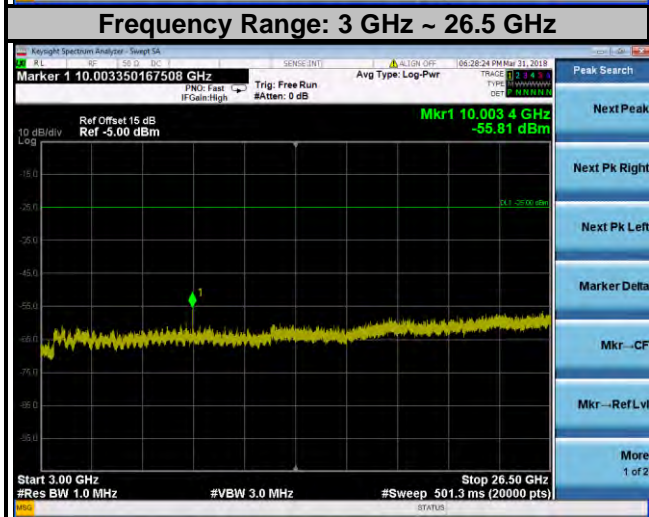
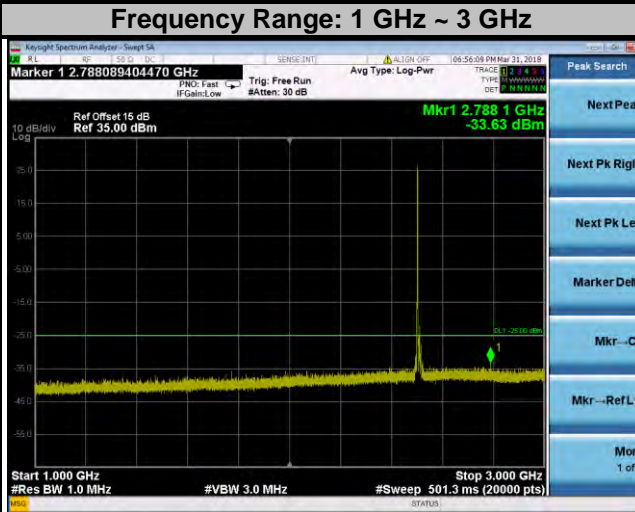
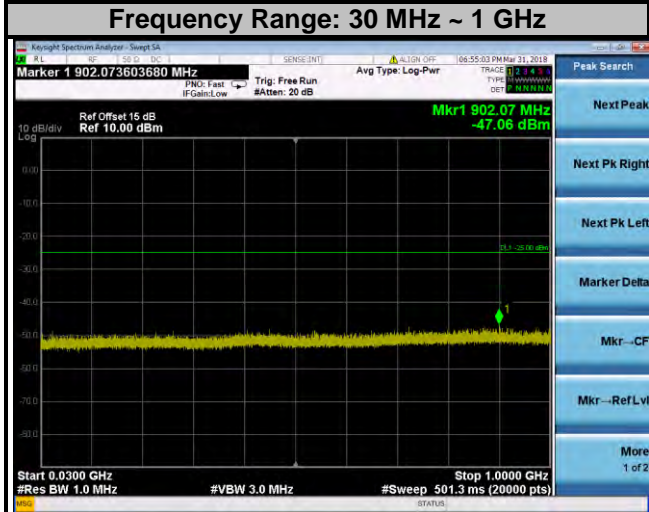
LTE Band 7
Channel Bandwidth: 10 MHz
Channel 21100



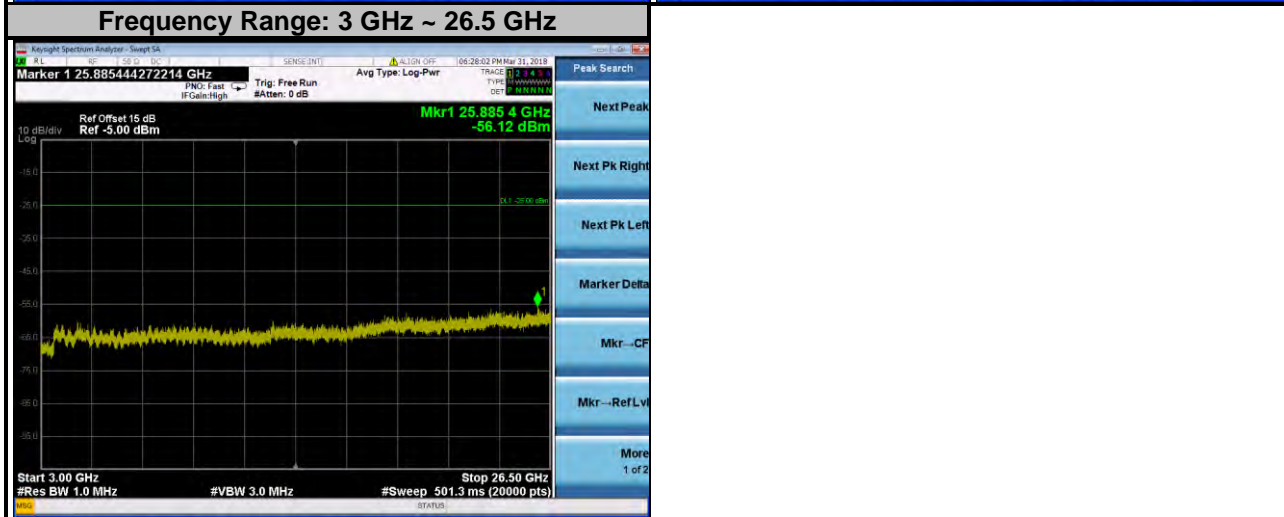
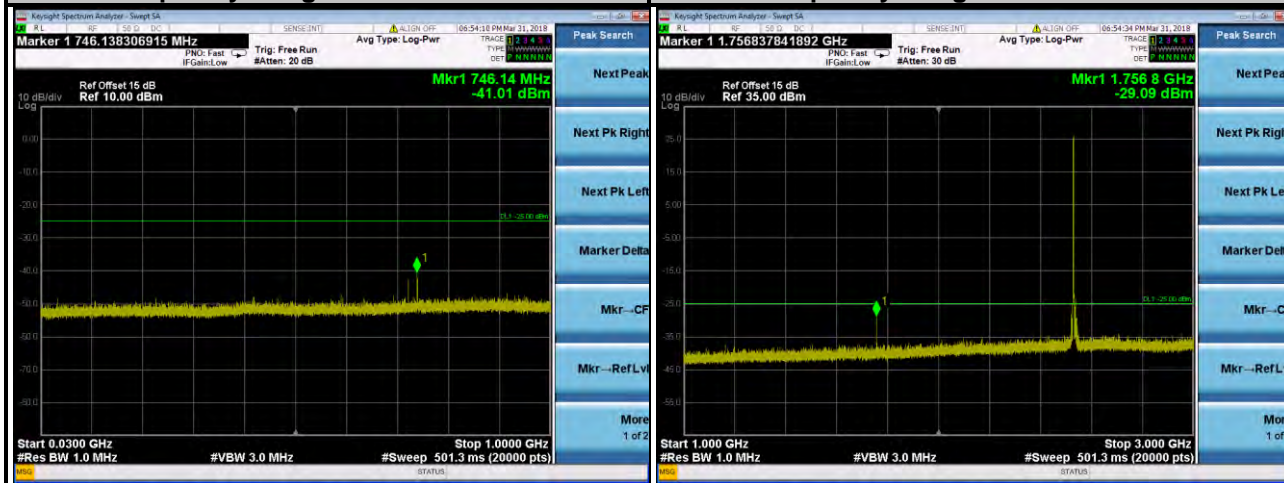
LTE Band 7
Channel Bandwidth: 10 MHz
Channel 21400



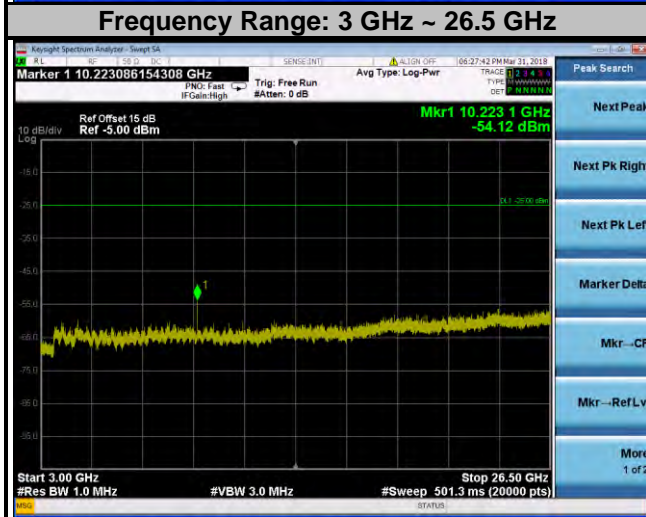
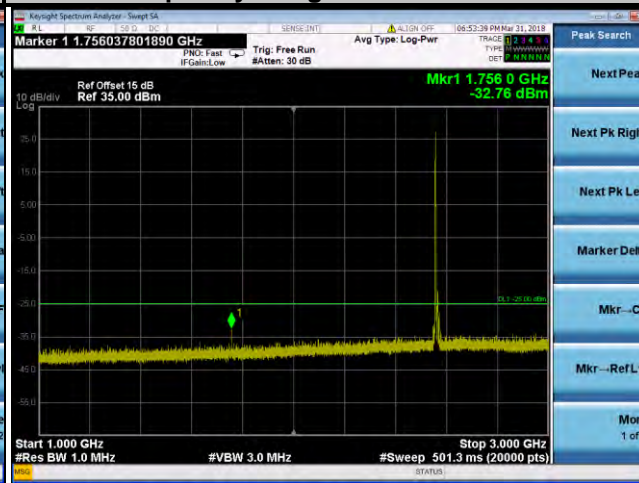
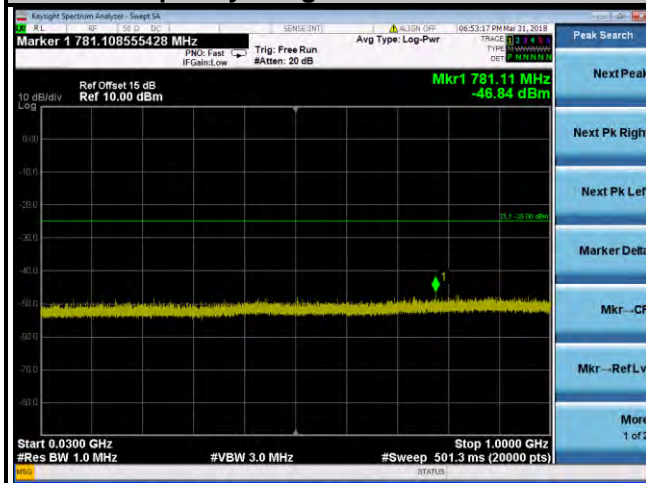
LTE Band 7
Channel Bandwidth: 15 MHz
Channel 20825



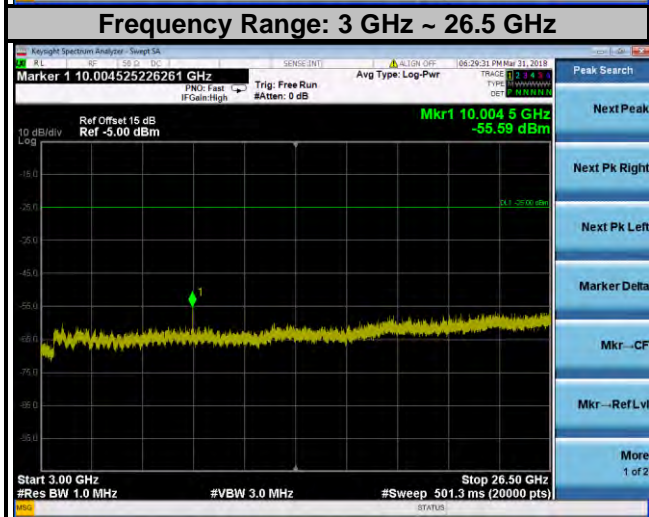
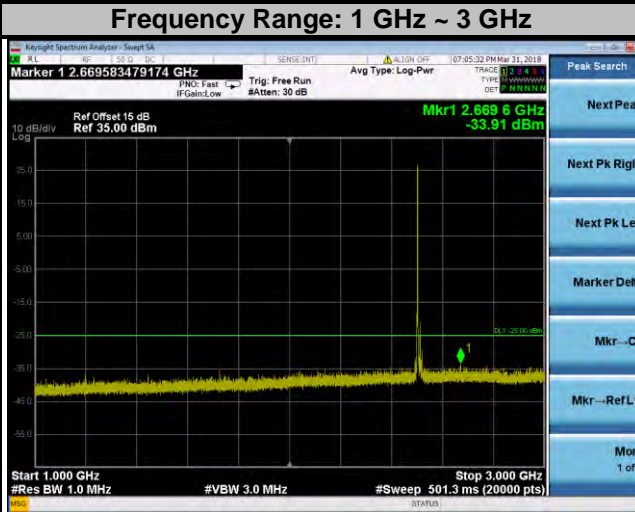
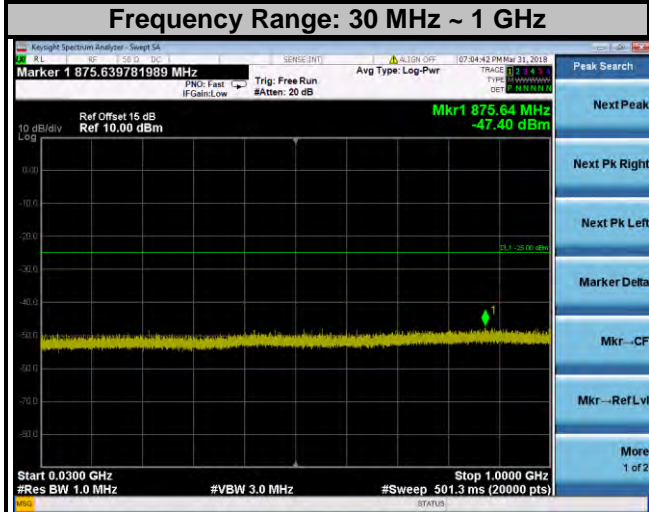
LTE Band 7
Channel Bandwidth: 15 MHz
Channel 21100



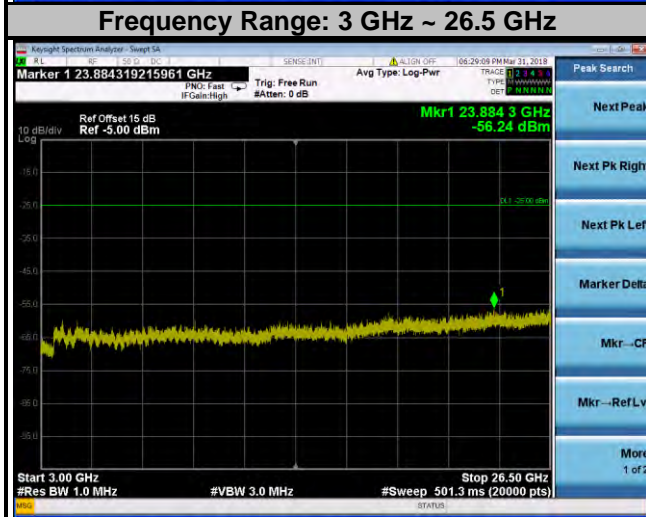
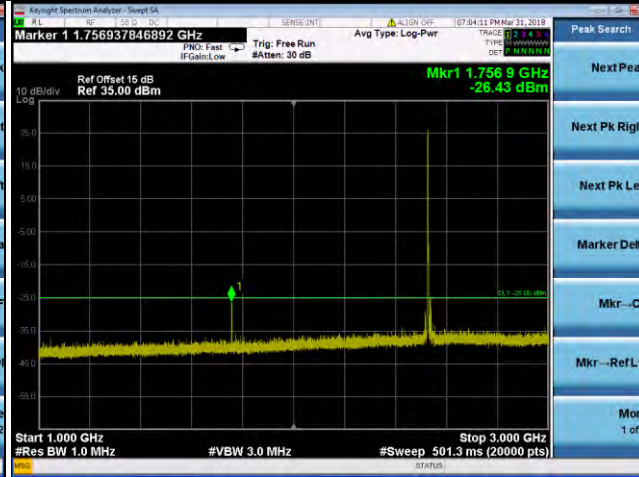
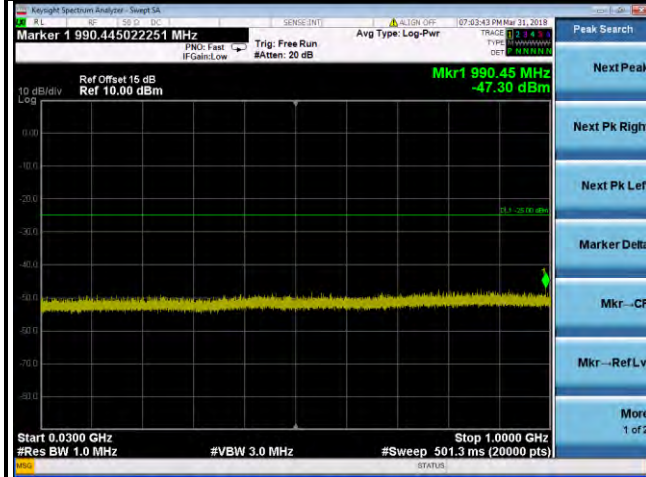
LTE Band 7
Channel Bandwidth: 15 MHz
Channel 21375



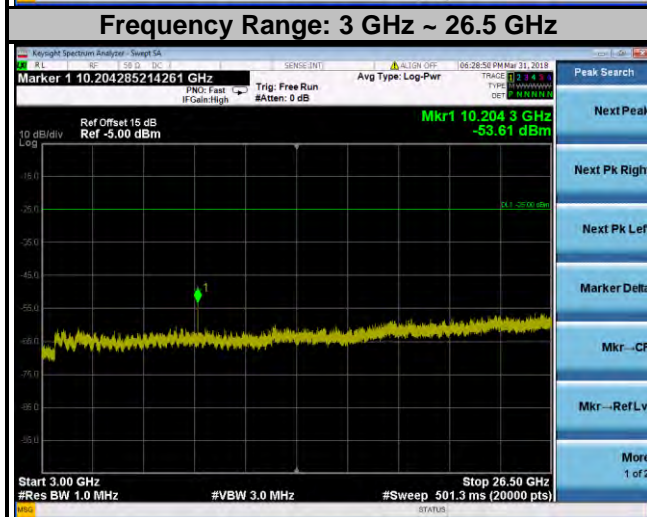
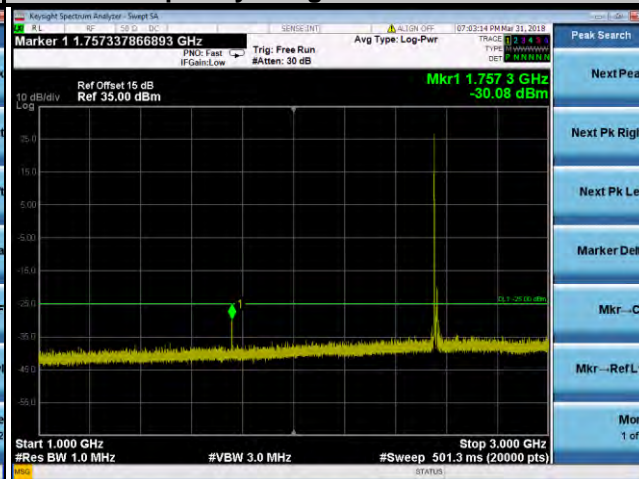
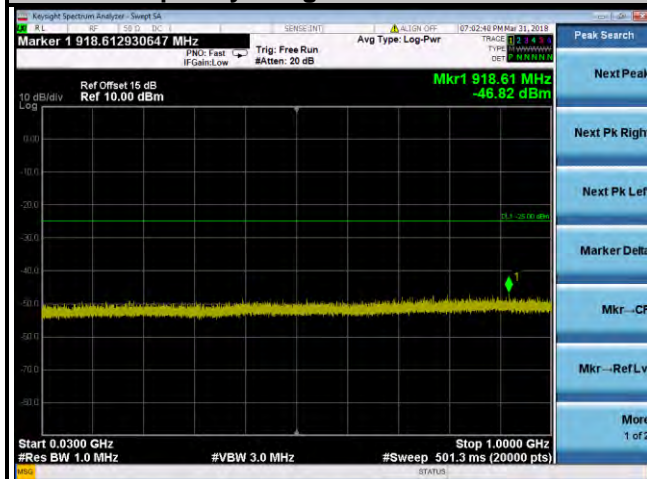
LTE Band 7
Channel Bandwidth: 20 MHz
Channel 20850



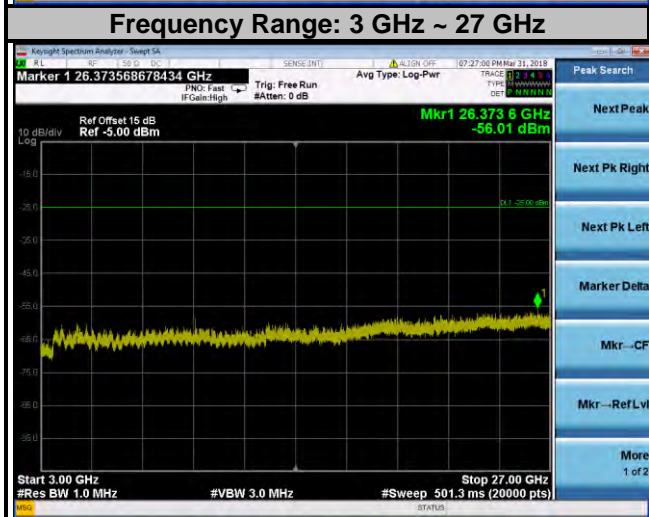
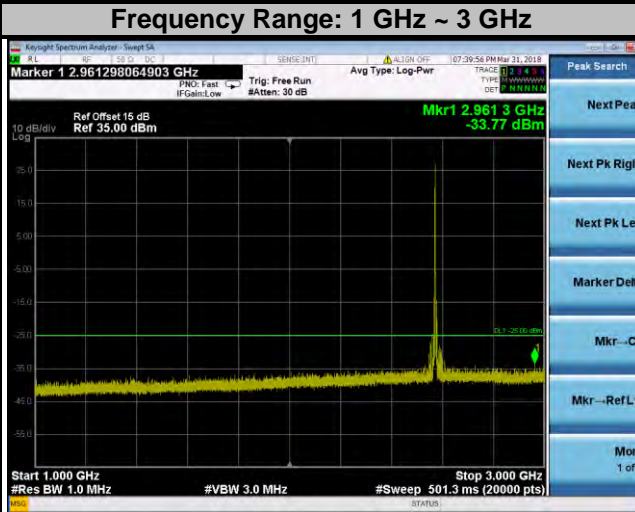
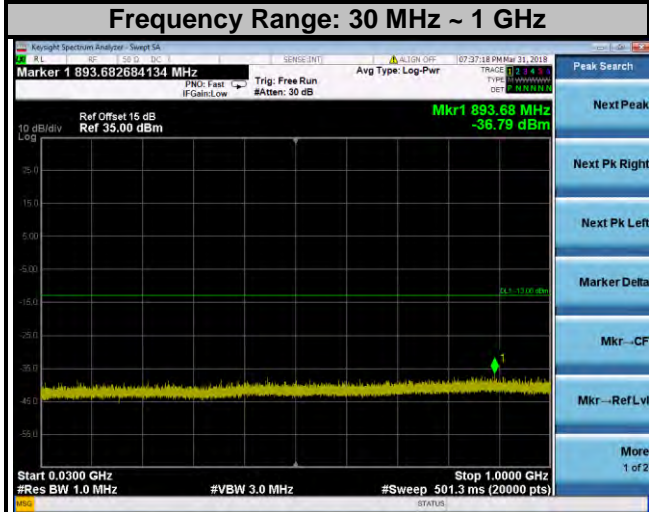
LTE Band 7
Channel Bandwidth: 20 MHz
Channel 21100



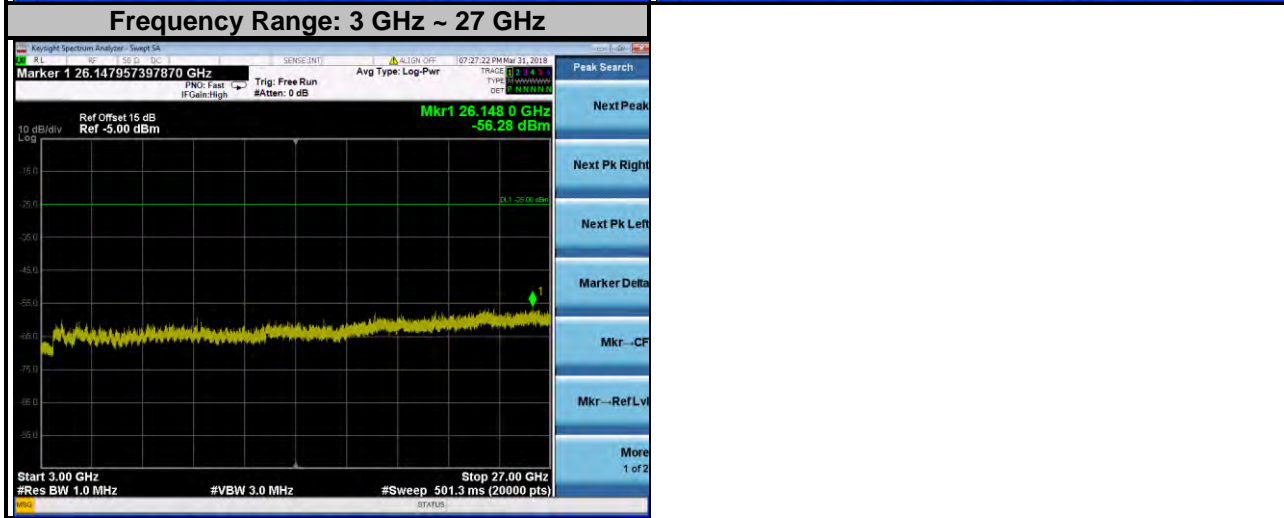
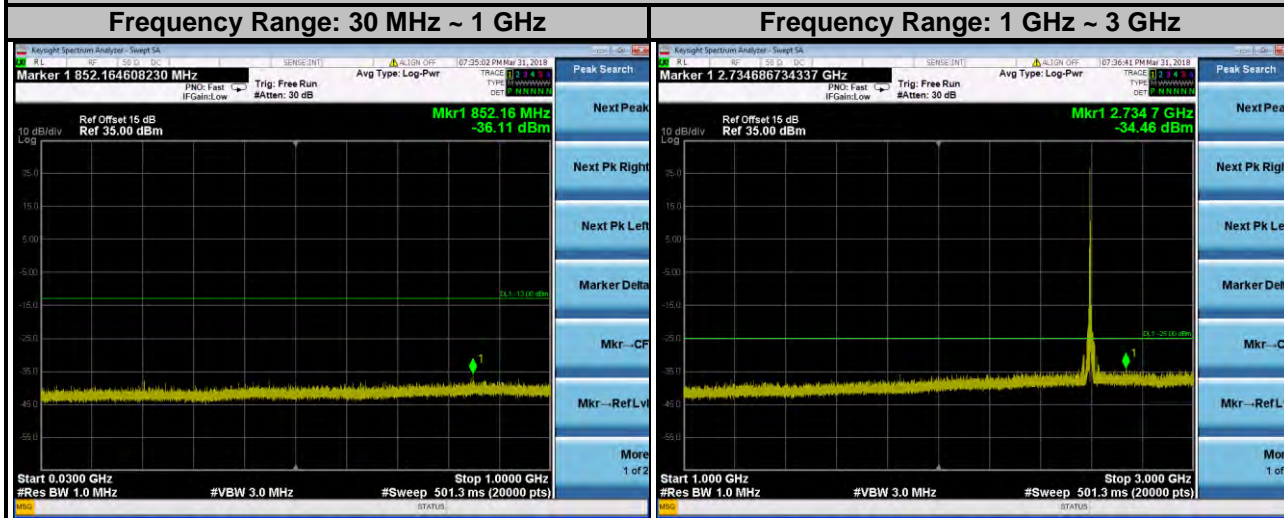
LTE Band 7
Channel Bandwidth: 20 MHz
Channel 21350



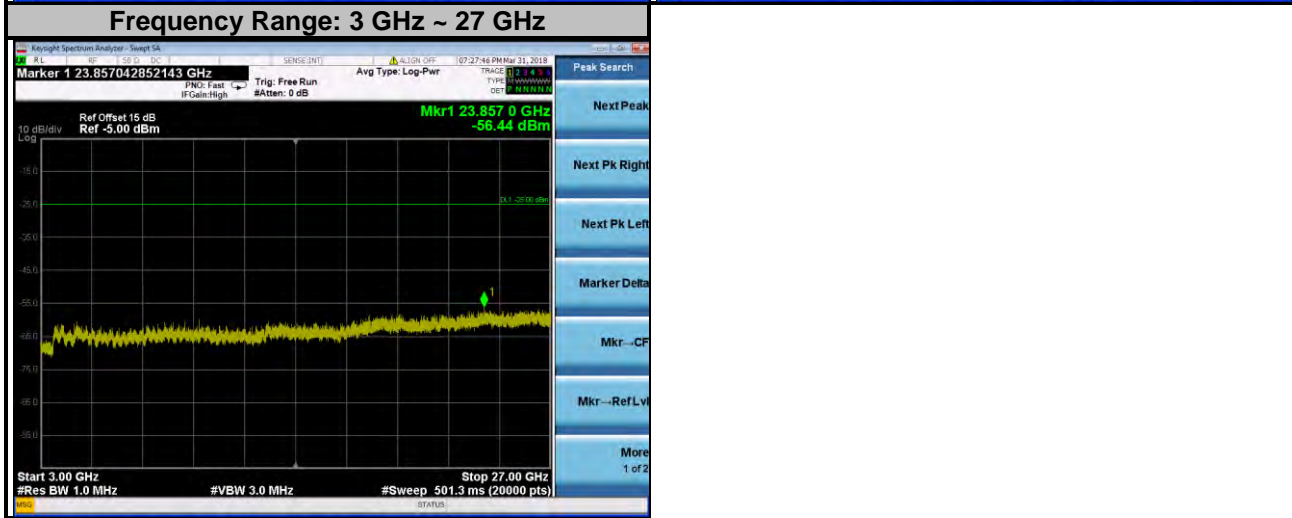
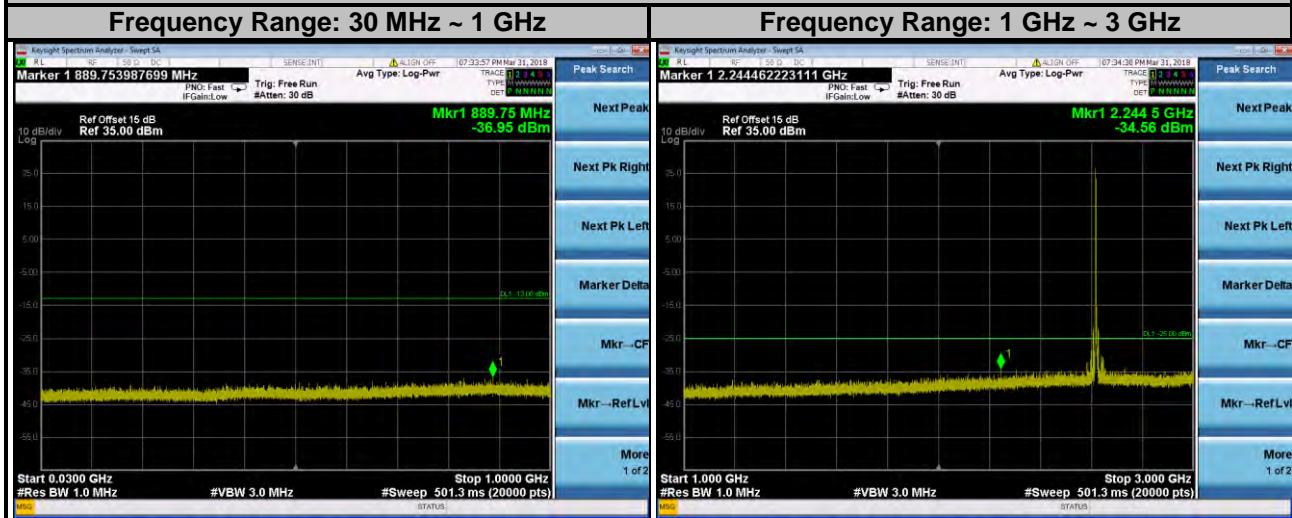
LTE Band 38
Channel Bandwidth: 5 MHz
Channel 37775



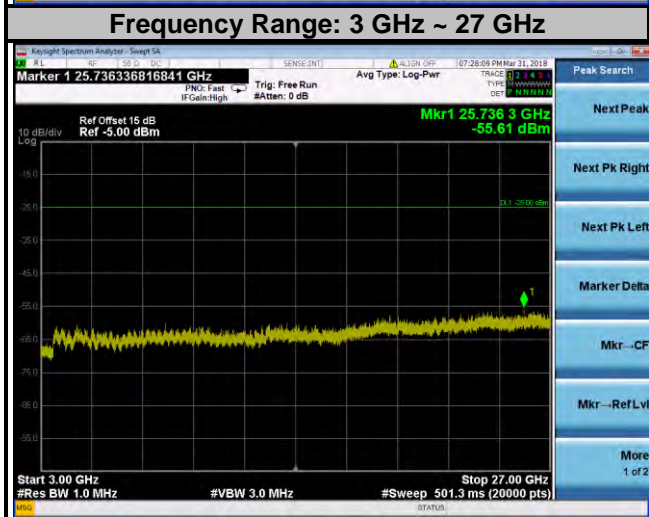
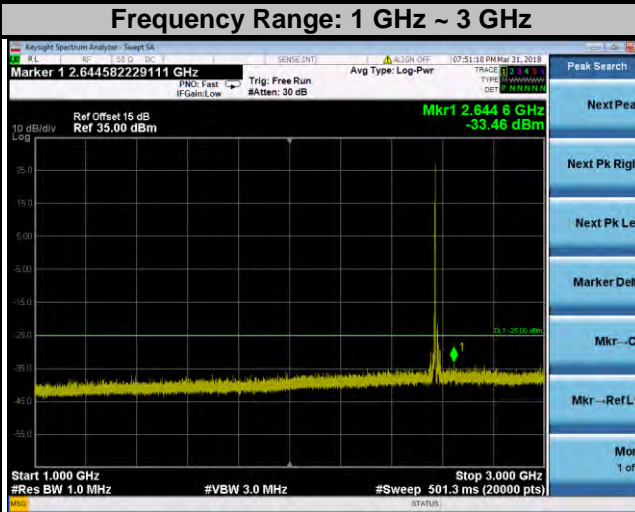
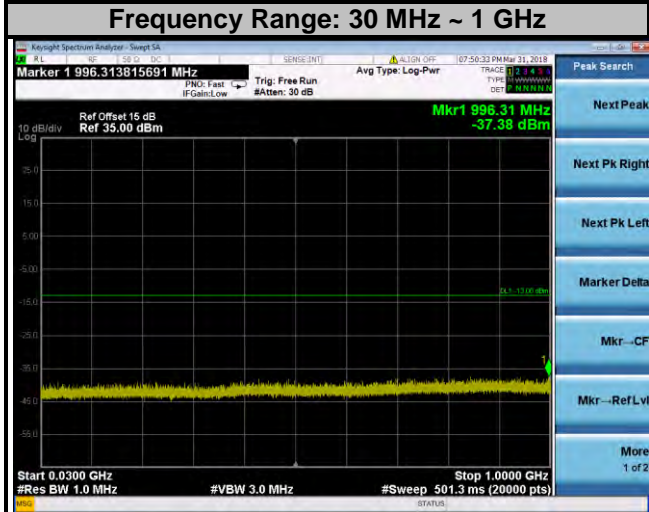
LTE Band 38
Channel Bandwidth: 5 MHz
Channel 38000



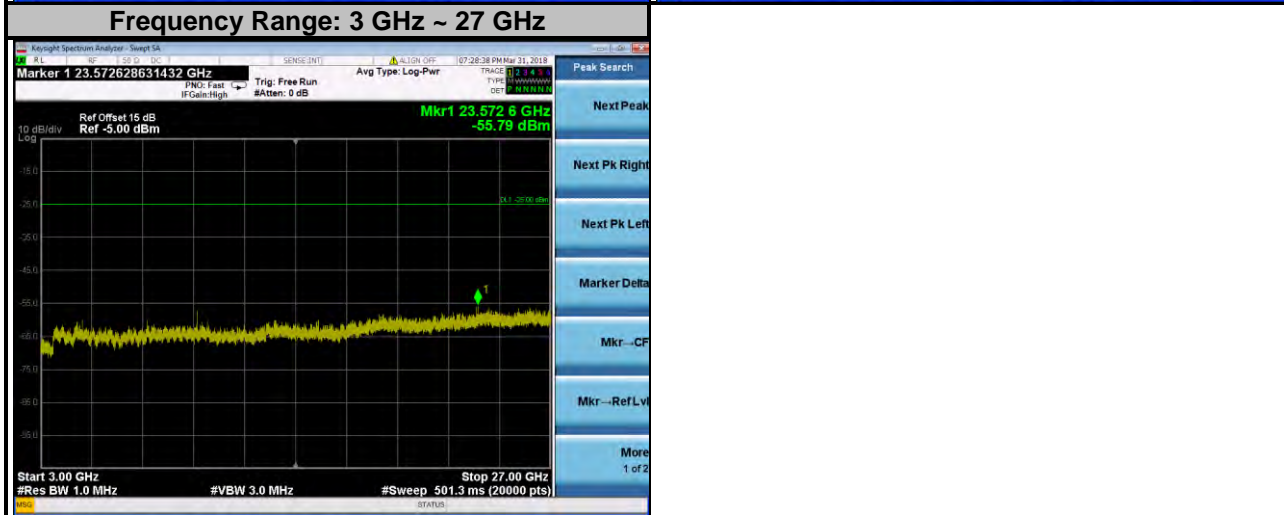
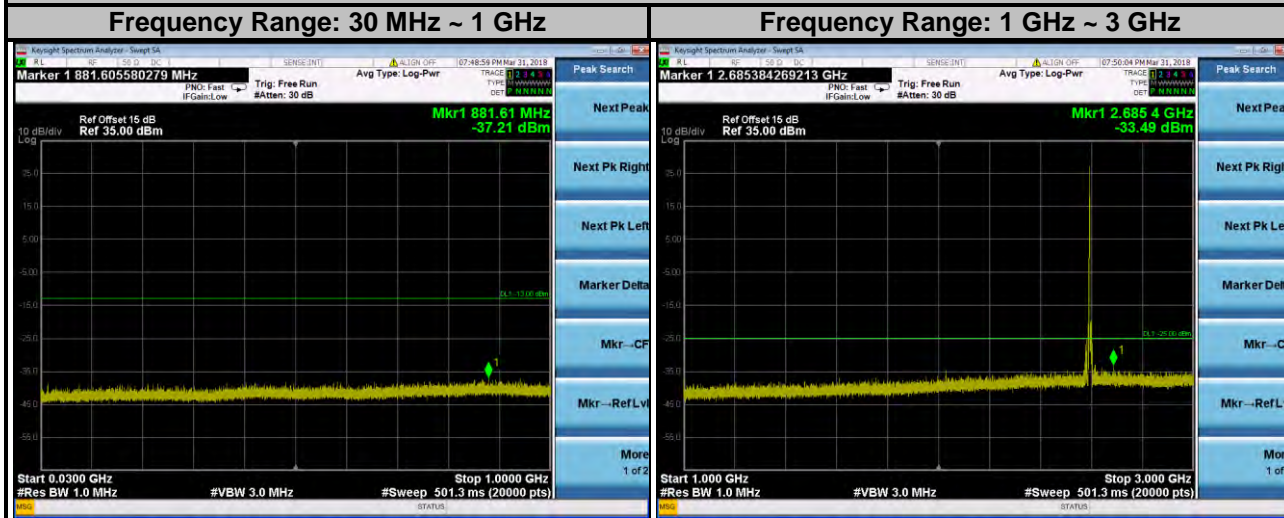
LTE Band 38
Channel Bandwidth: 5 MHz
Channel 38225



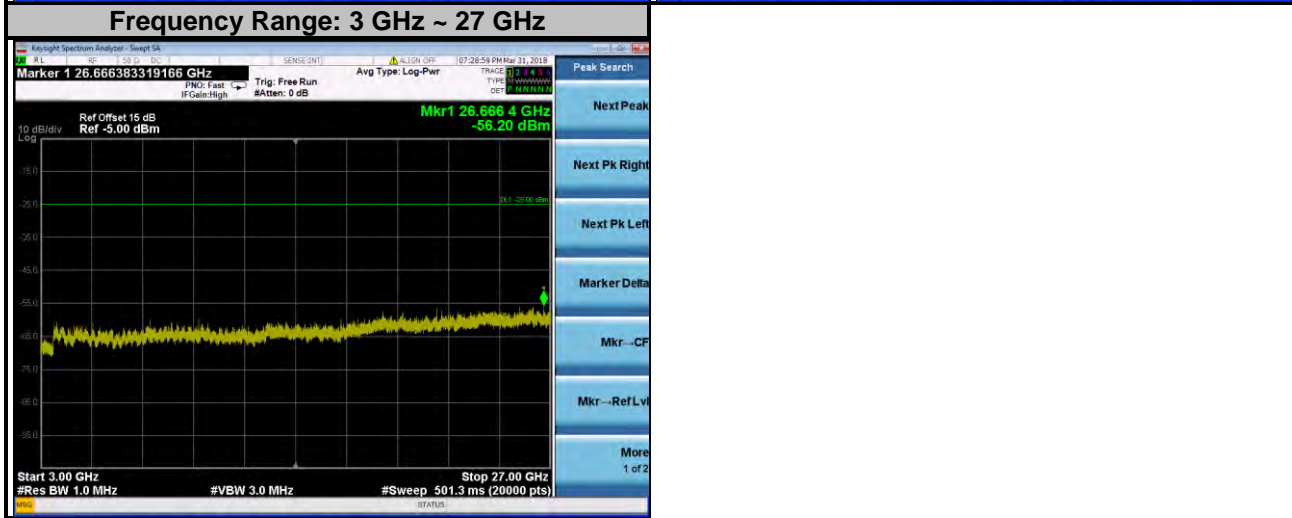
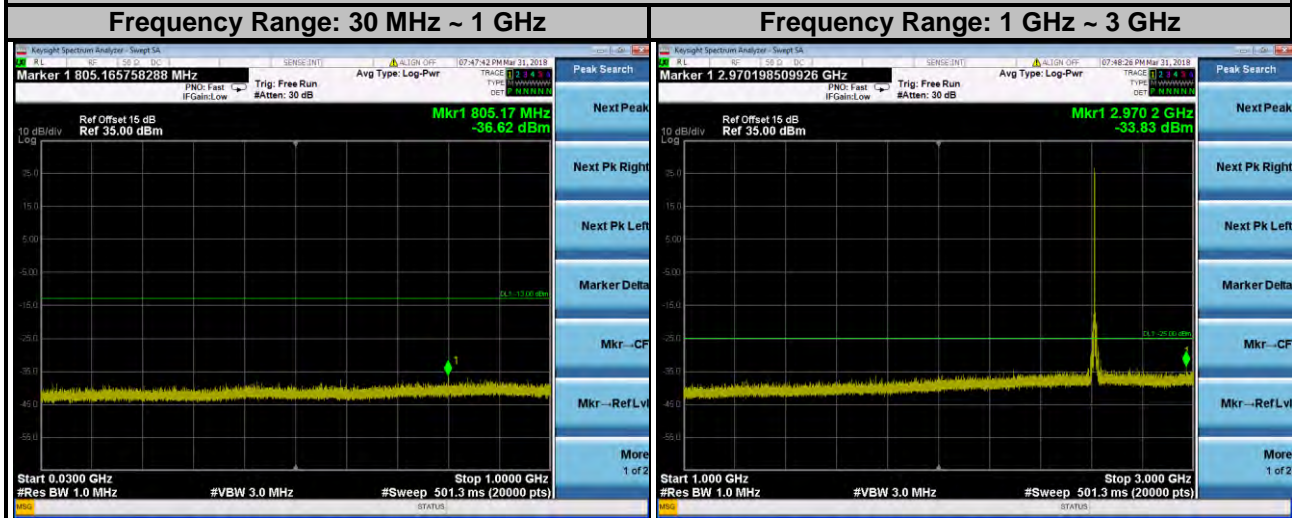
LTE Band 38
Channel Bandwidth: 10 MHz
Channel 37800



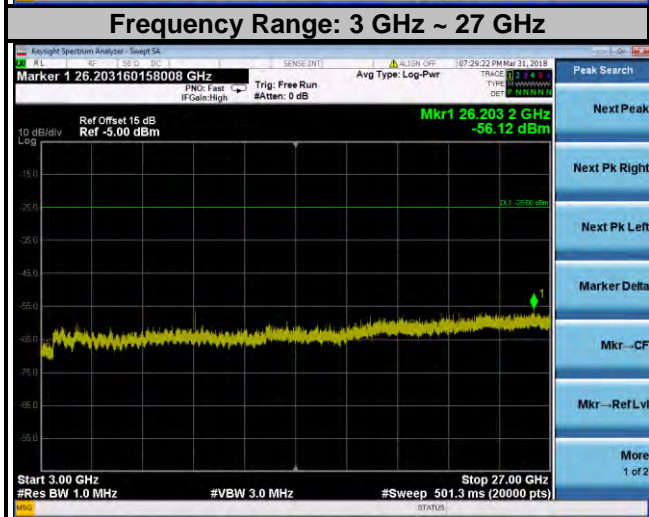
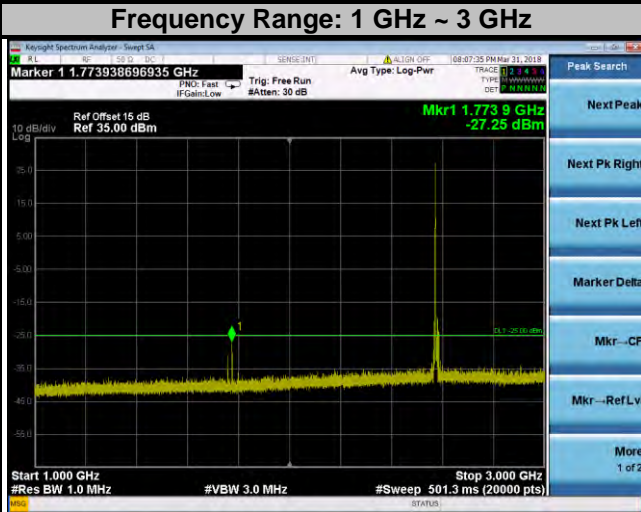
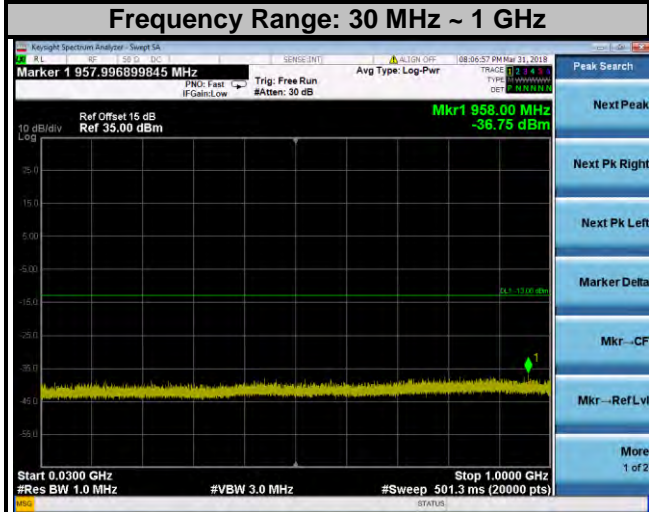
LTE Band 38
Channel Bandwidth: 10 MHz
Channel 38000



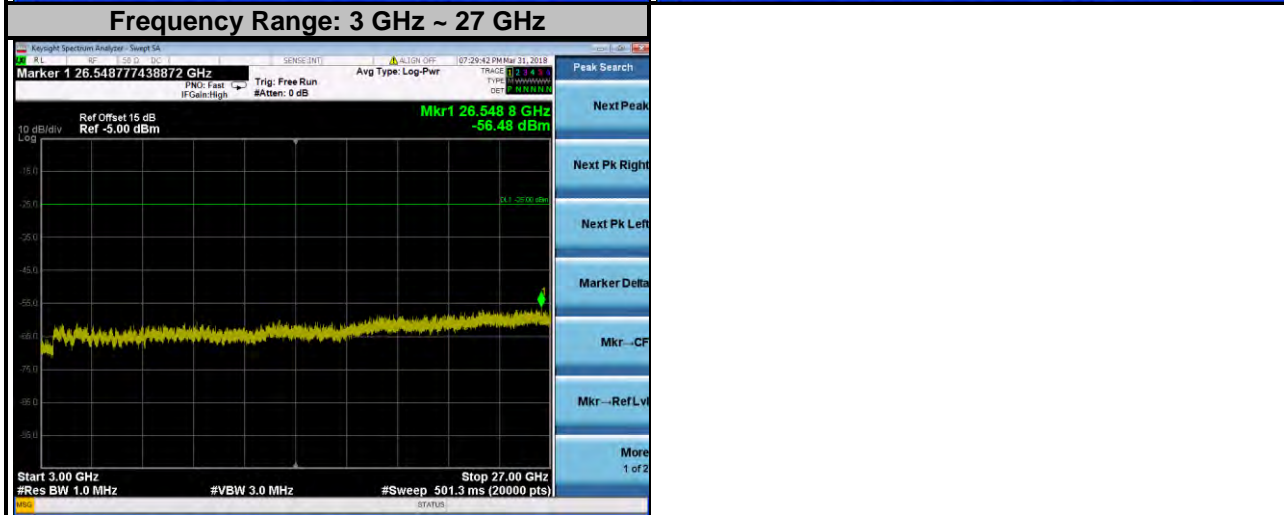
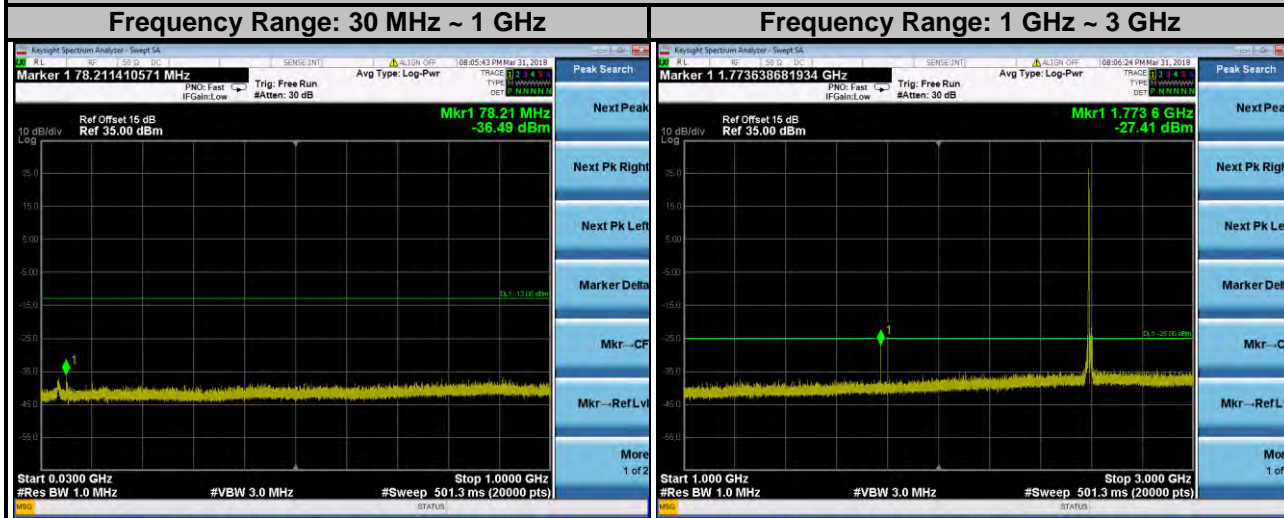
LTE Band 38
Channel Bandwidth: 10 MHz
Channel 38200



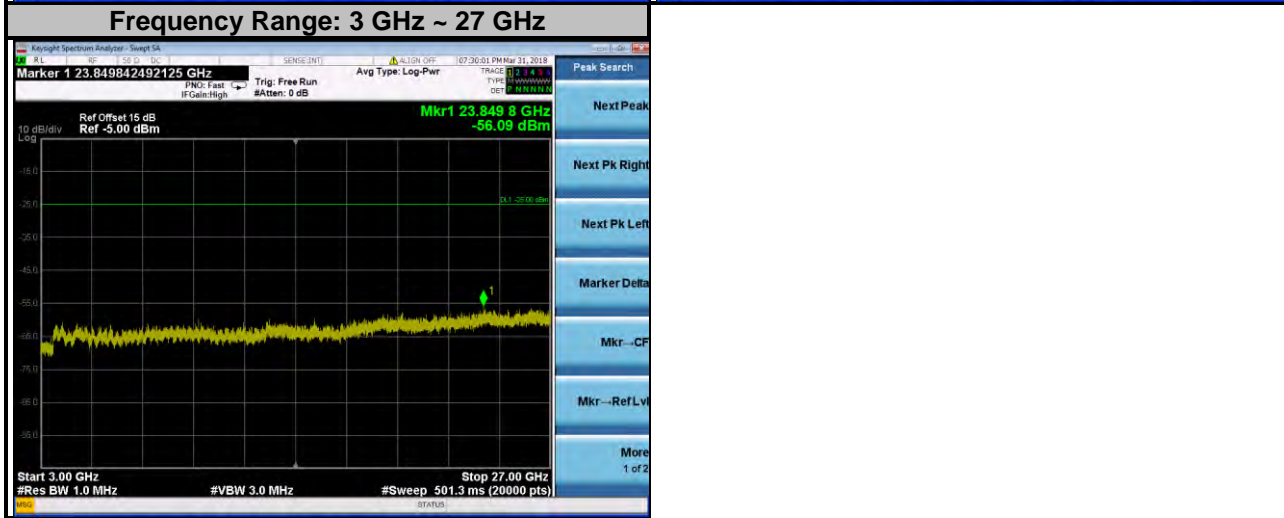
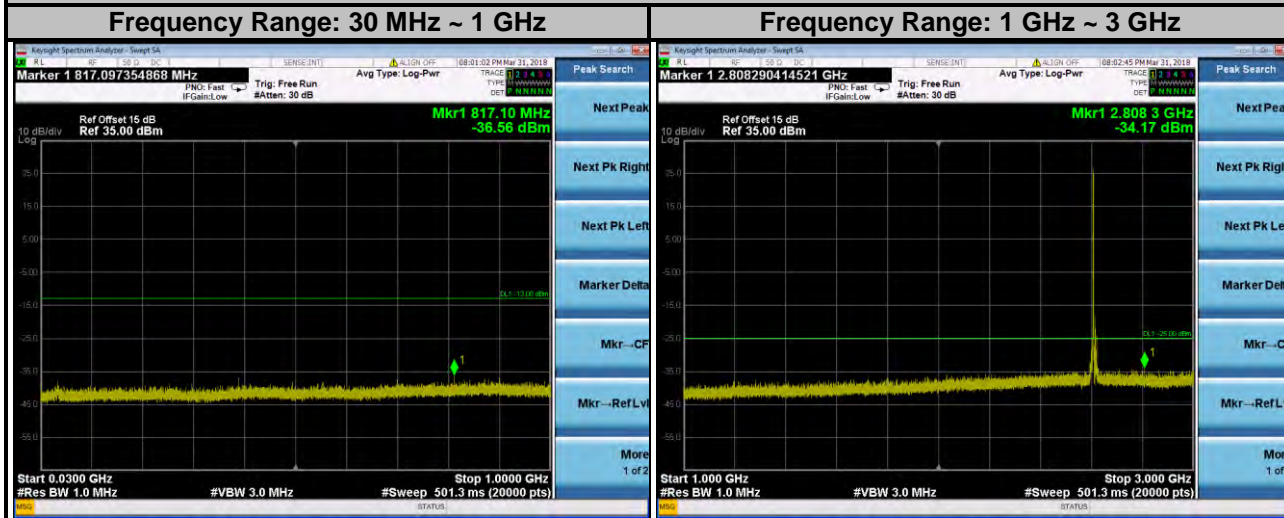
LTE Band 38
Channel Bandwidth: 15 MHz
Channel 37825



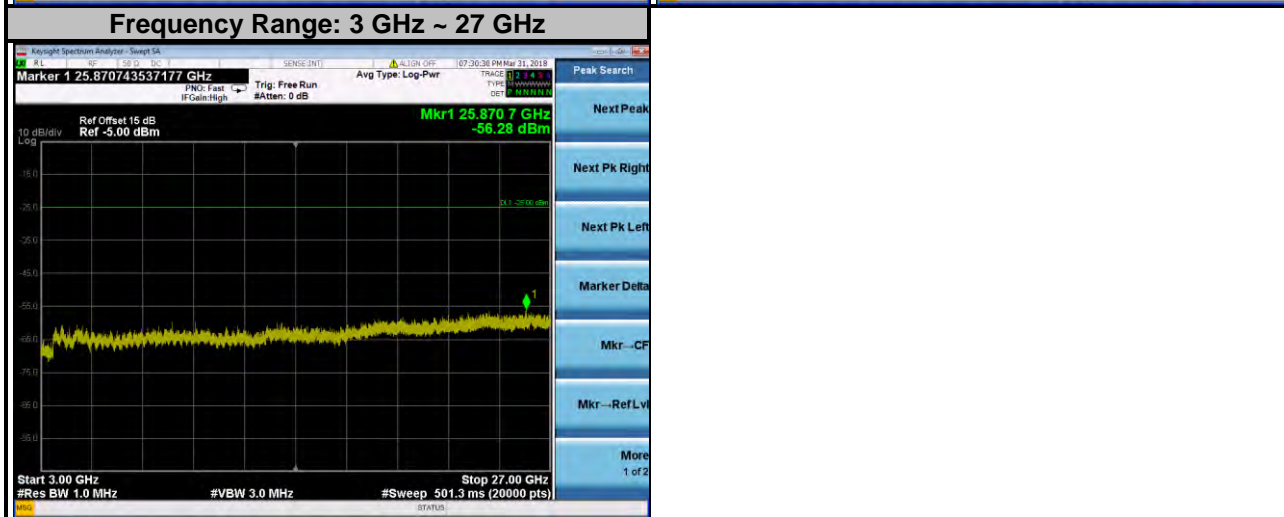
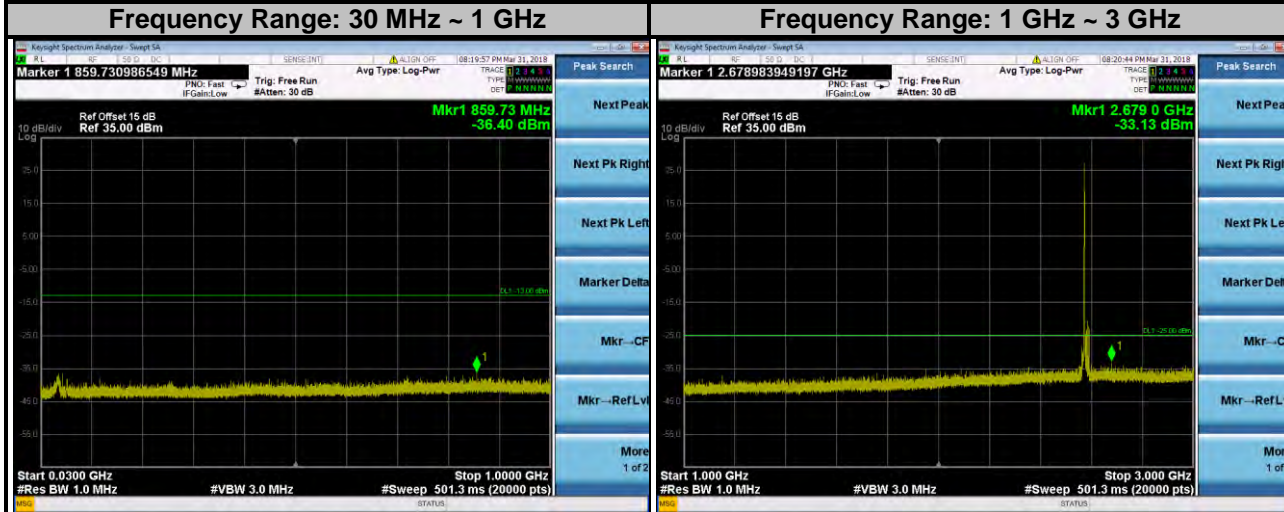
LTE Band 38
Channel Bandwidth: 15 MHz
Channel 38000



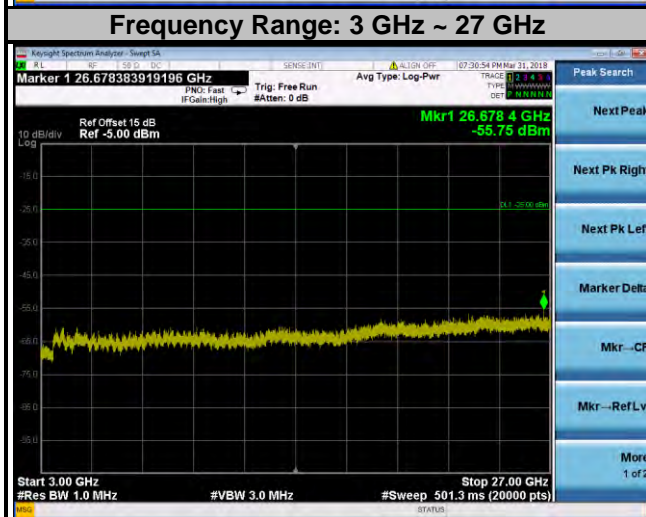
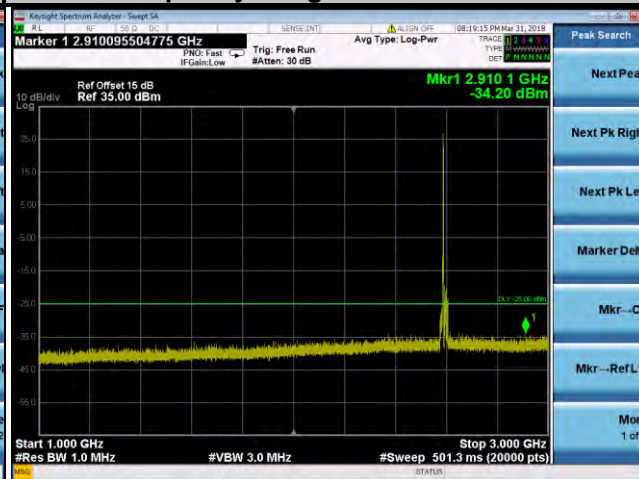
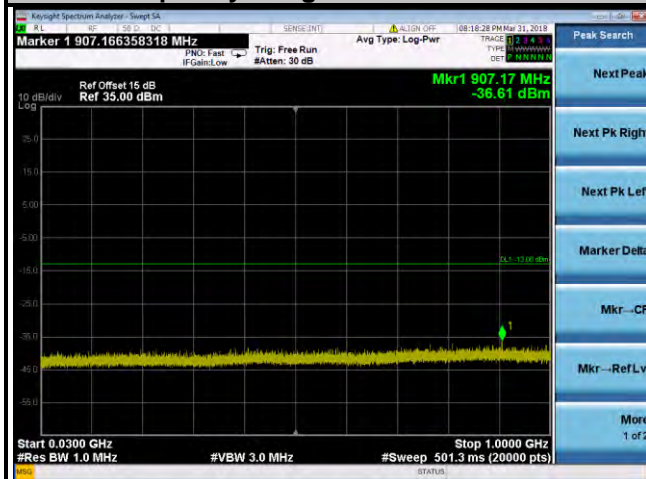
LTE Band 38
Channel Bandwidth: 15 MHz
Channel 38175



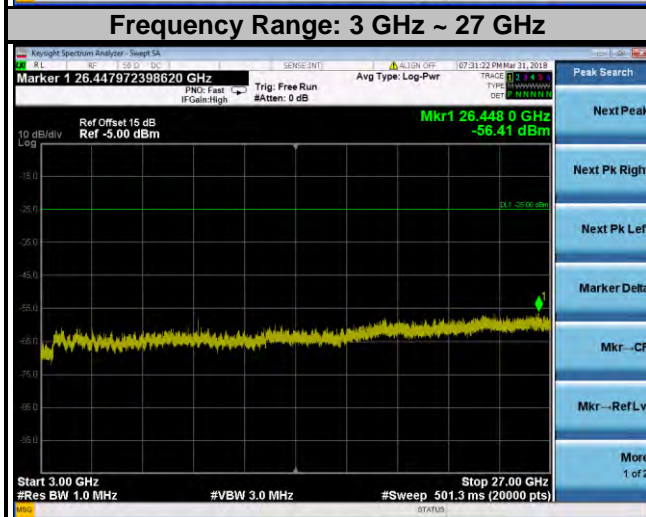
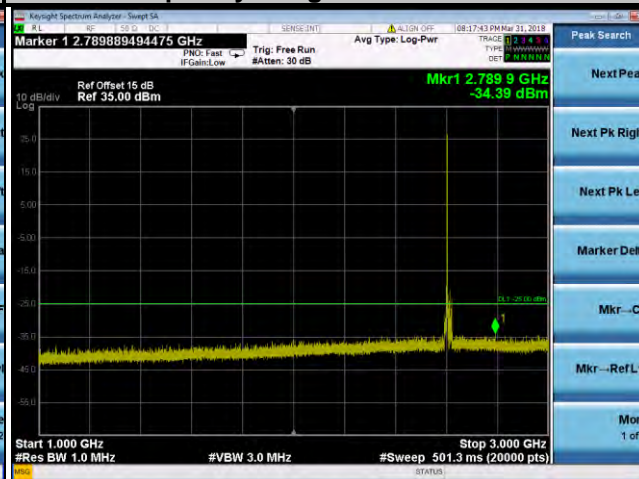
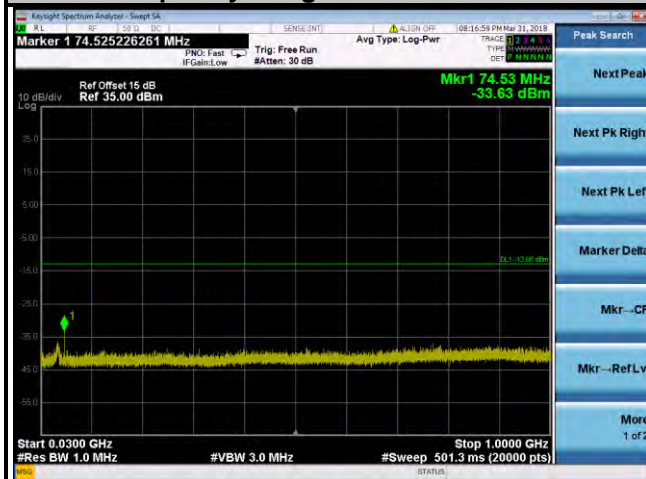
LTE Band 38
Channel Bandwidth: 20 MHz
Channel 37850



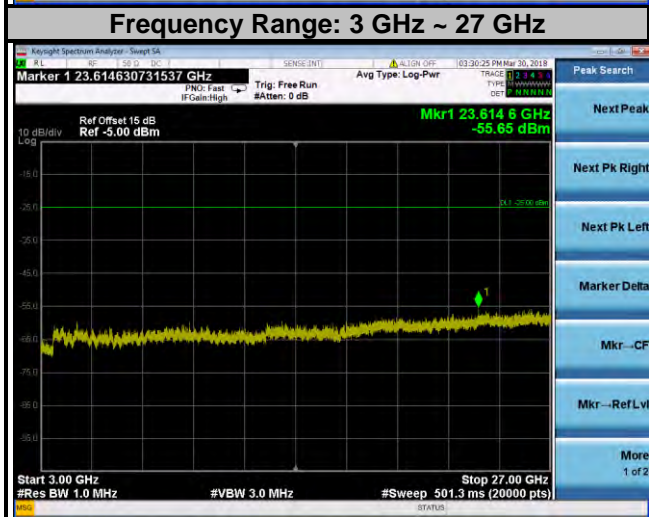
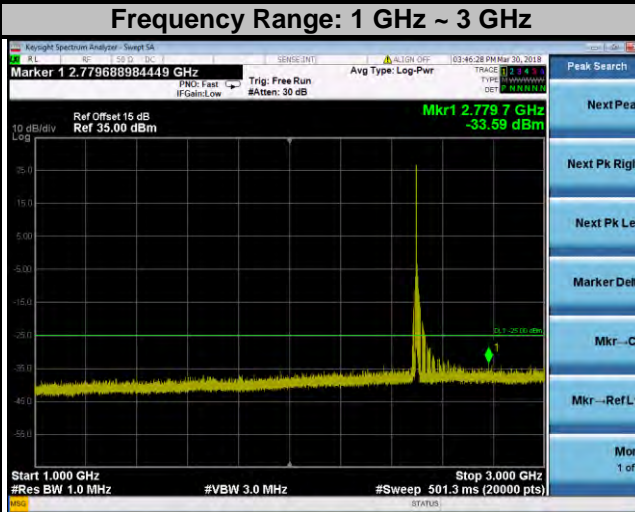
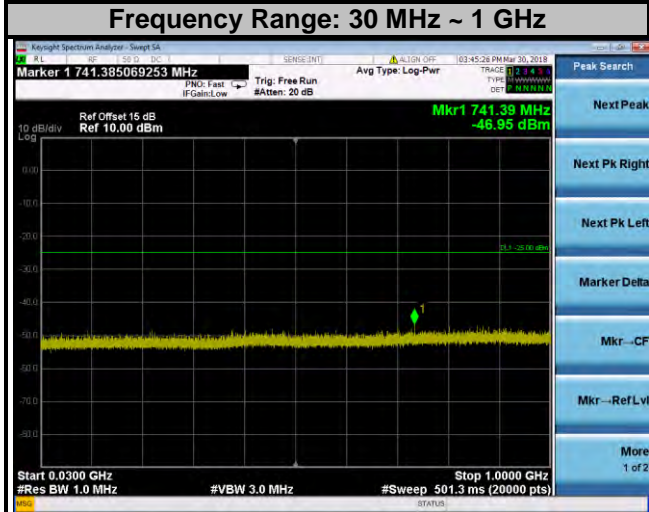
LTE Band 38
Channel Bandwidth: 20 MHz
Channel 38000



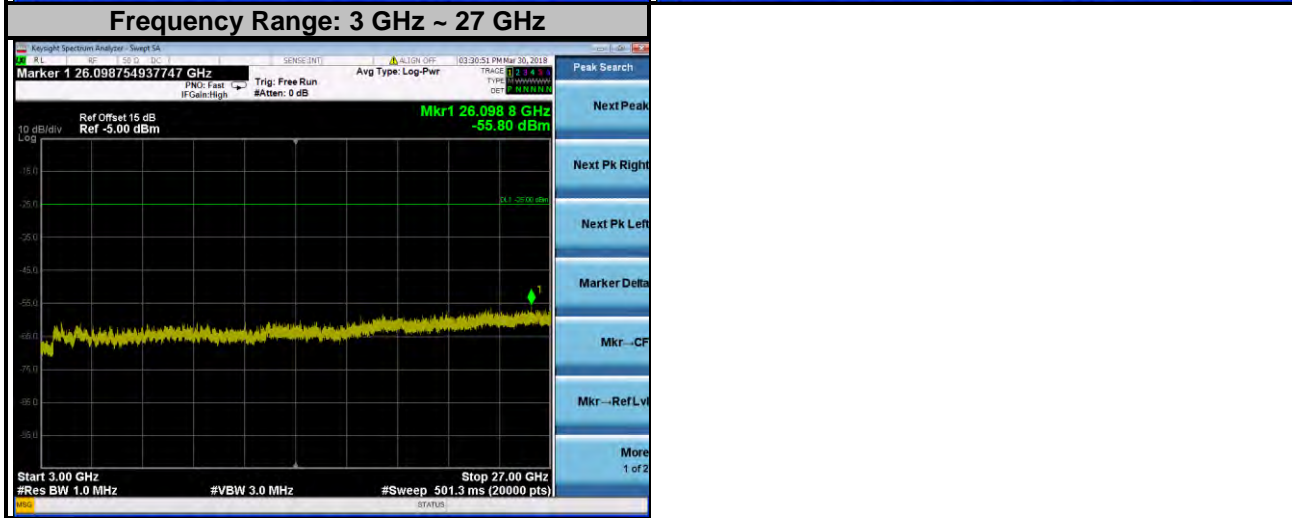
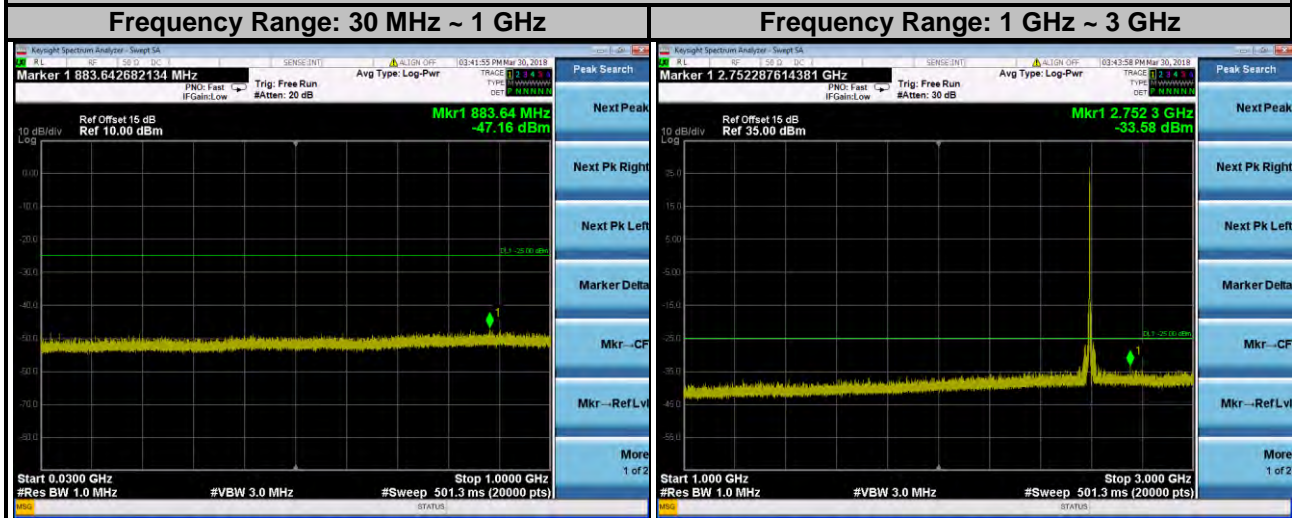
LTE Band 38
Channel Bandwidth: 20 MHz
Channel 38150



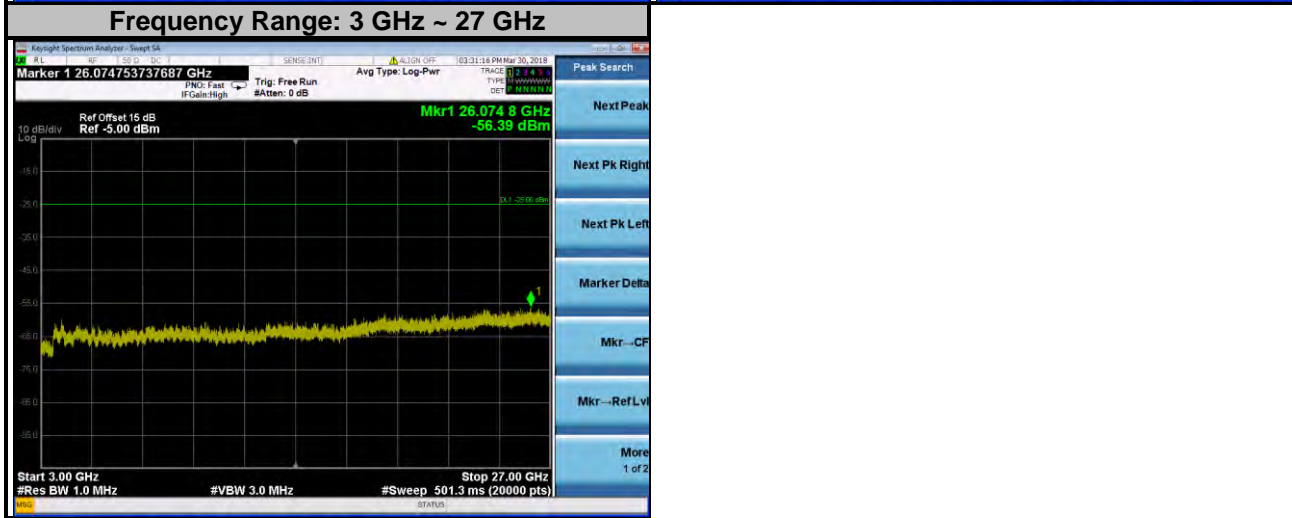
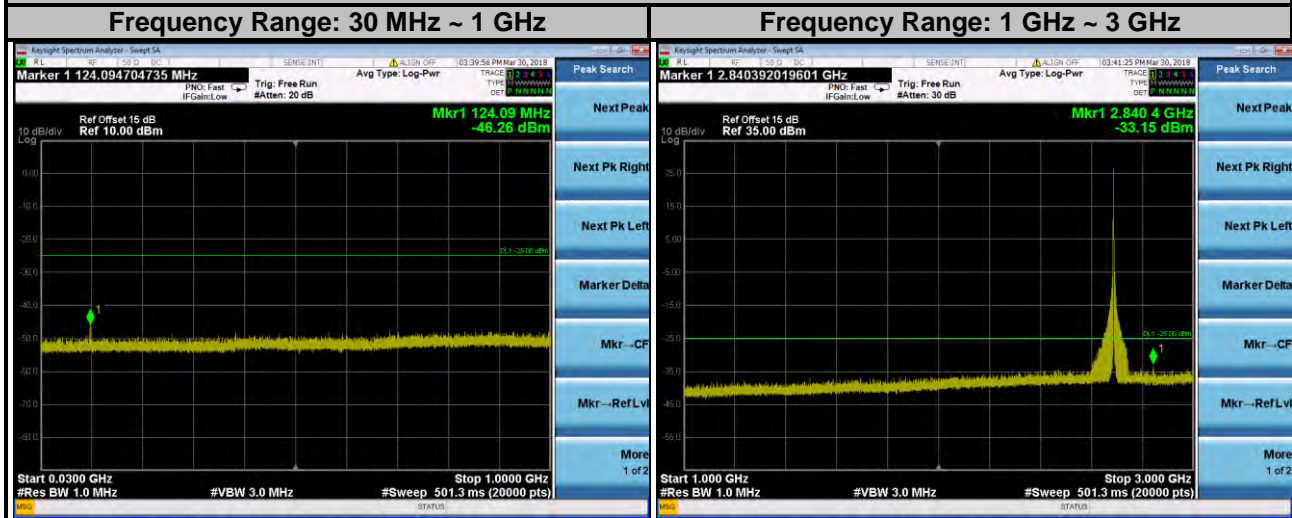
LTE Band 41
Channel Bandwidth: 5 MHz
Channel 39675



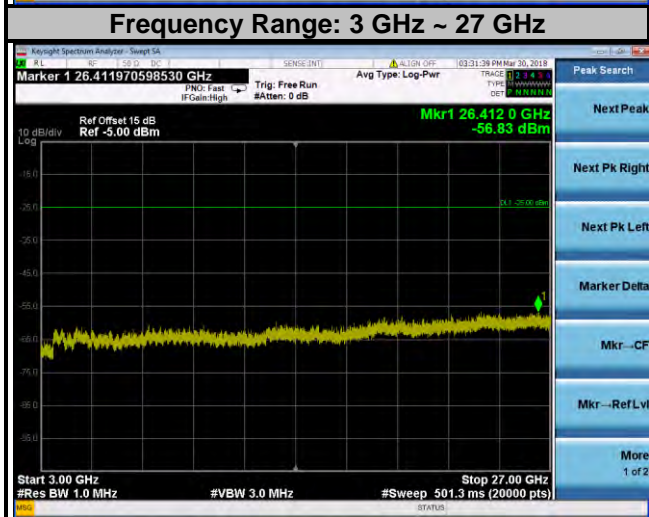
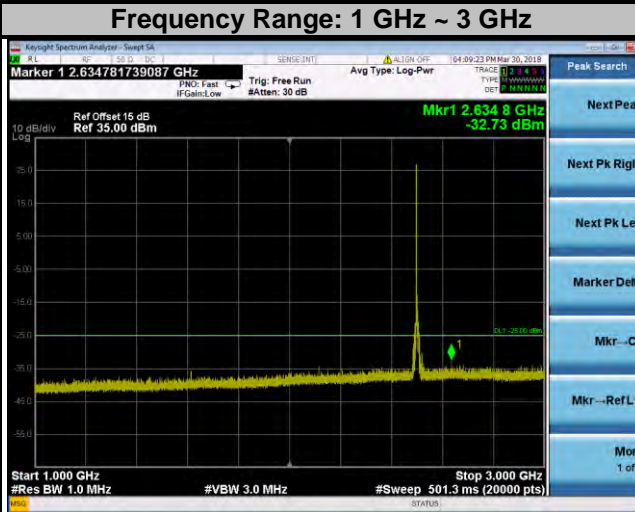
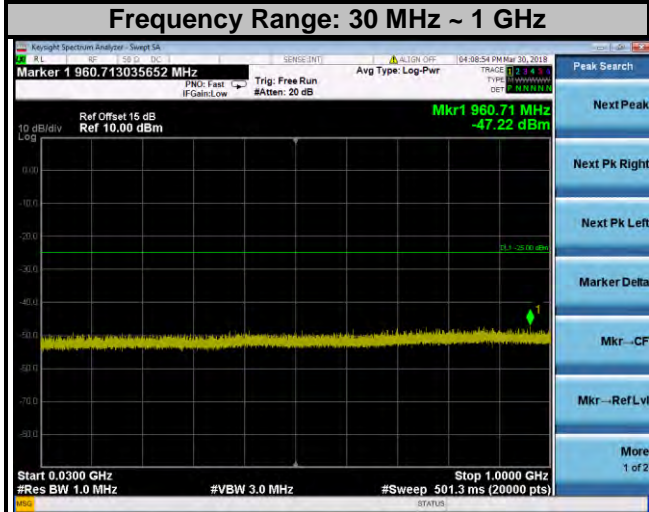
LTE Band 41
Channel Bandwidth: 5 MHz
Channel 40620



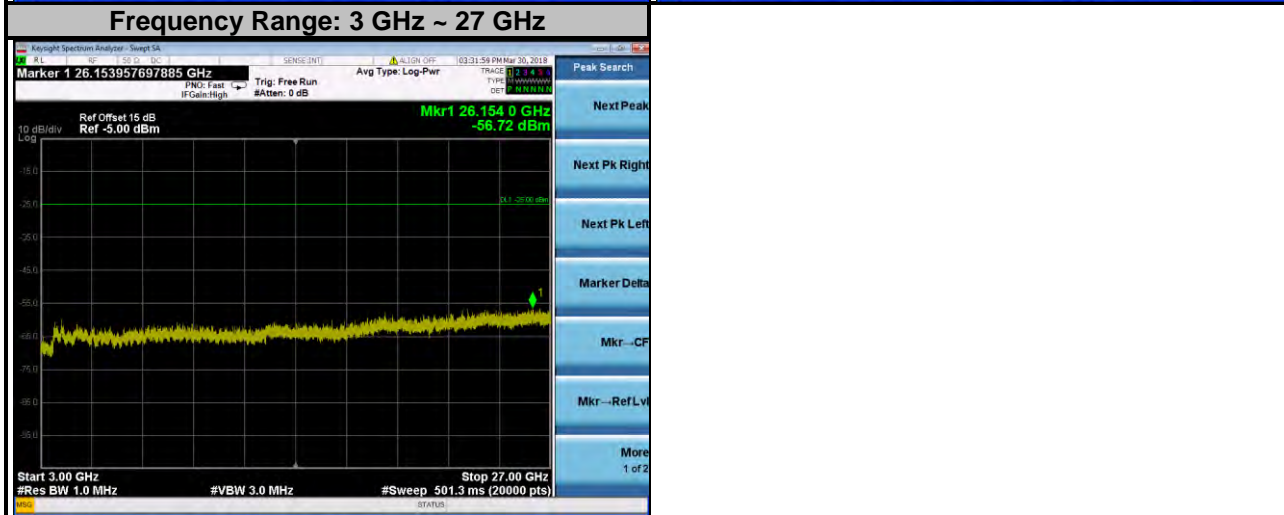
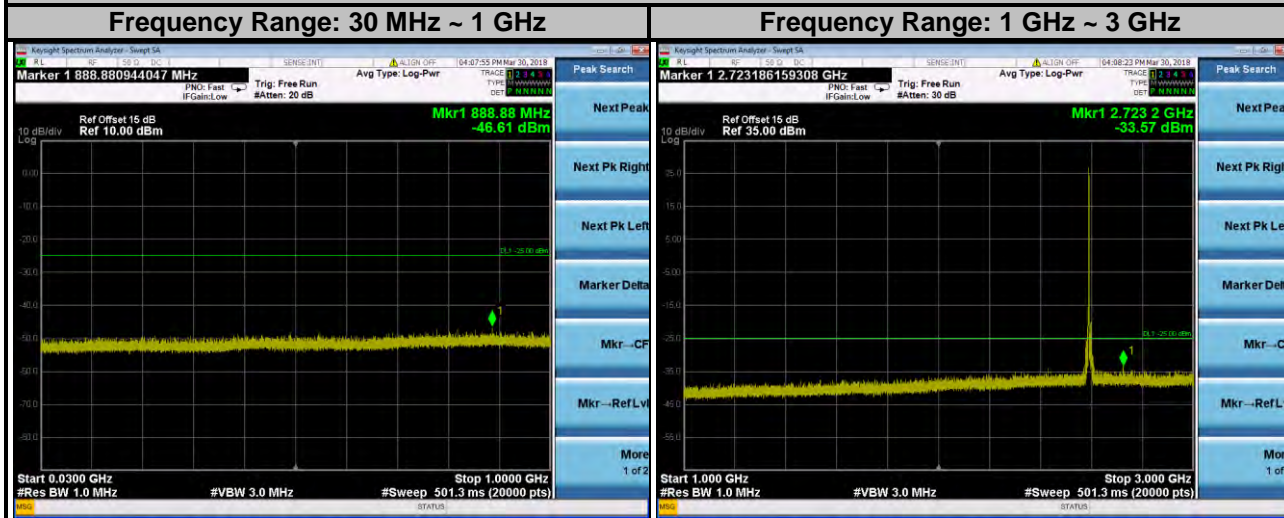
LTE Band 41
Channel Bandwidth: 5 MHz
Channel 41565



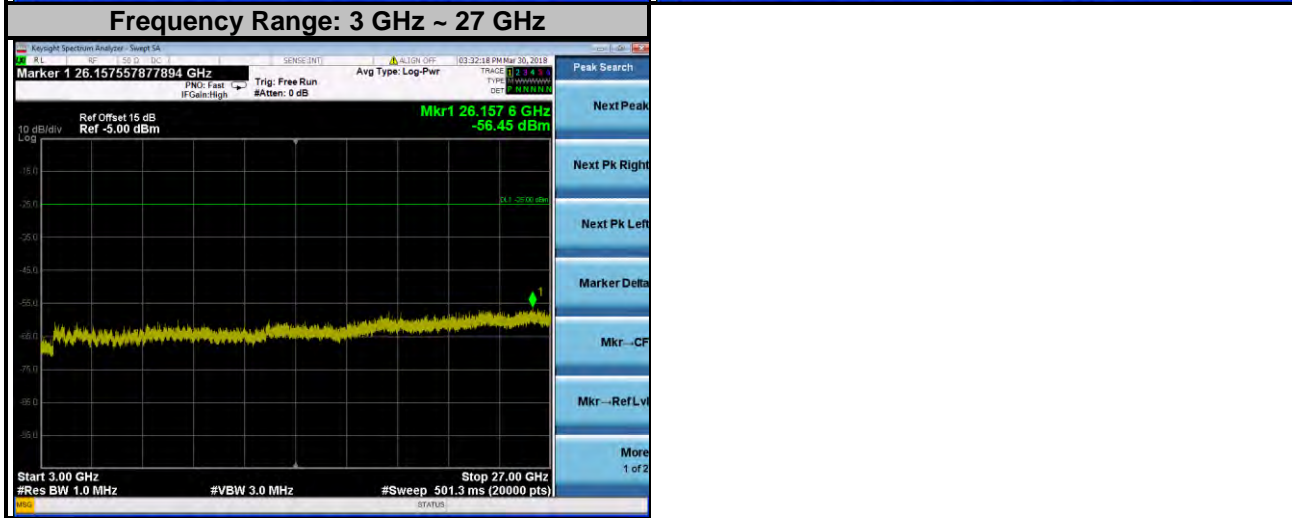
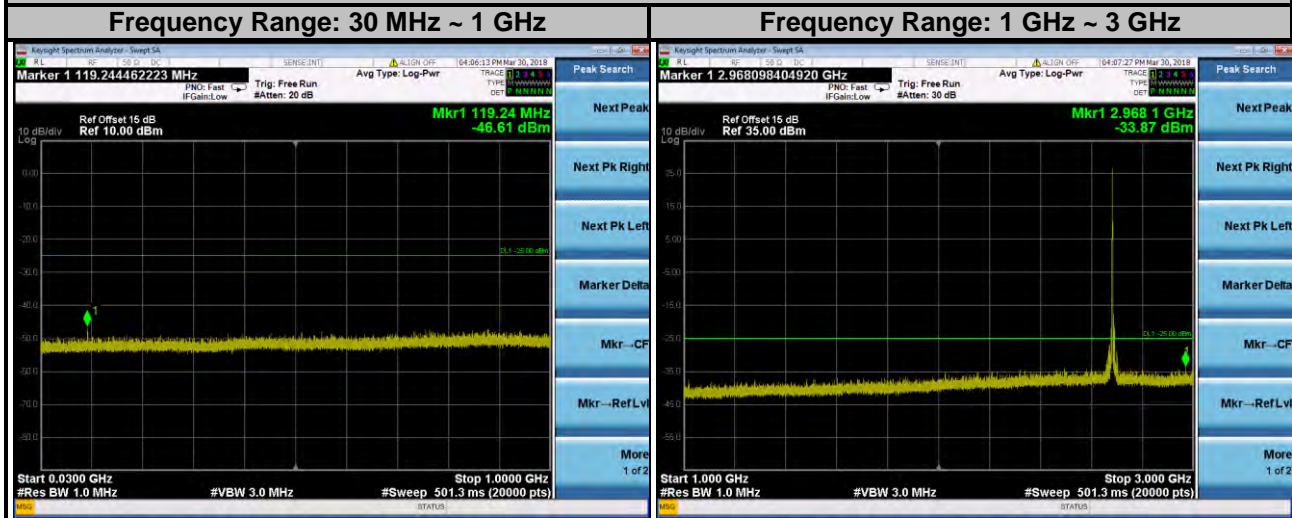
LTE Band 41
Channel Bandwidth: 10 MHz
Channel 39700



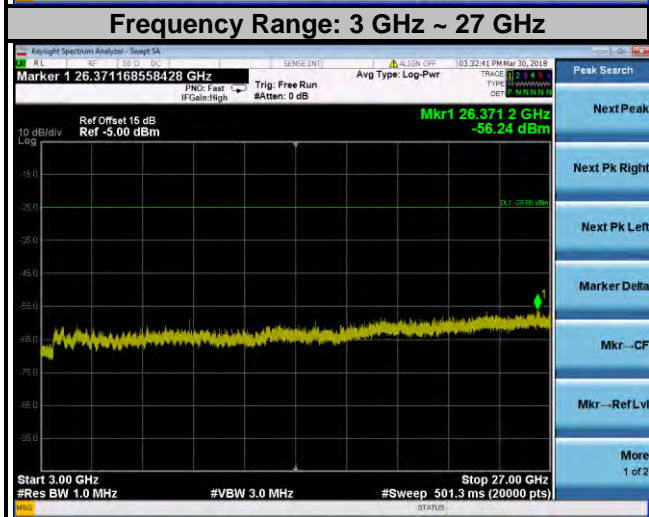
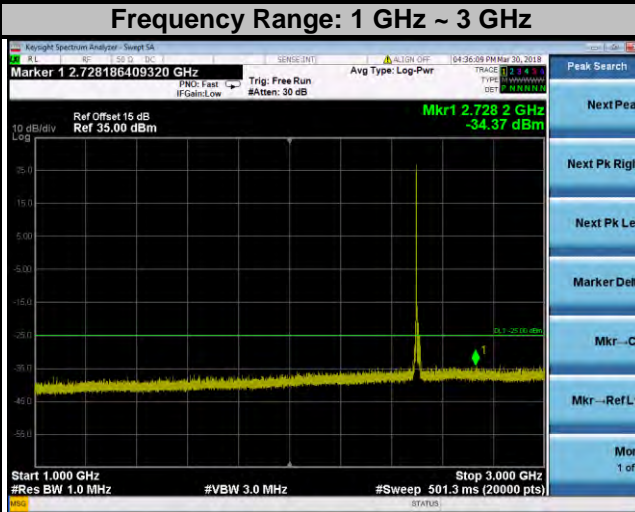
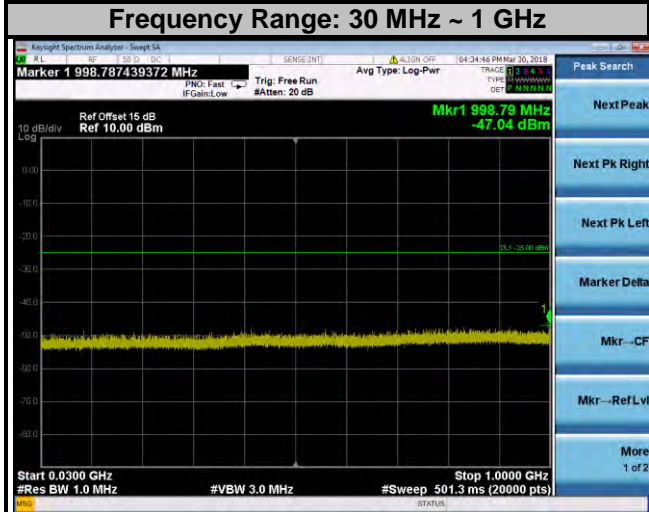
LTE Band 41
Channel Bandwidth: 10 MHz
Channel 40620



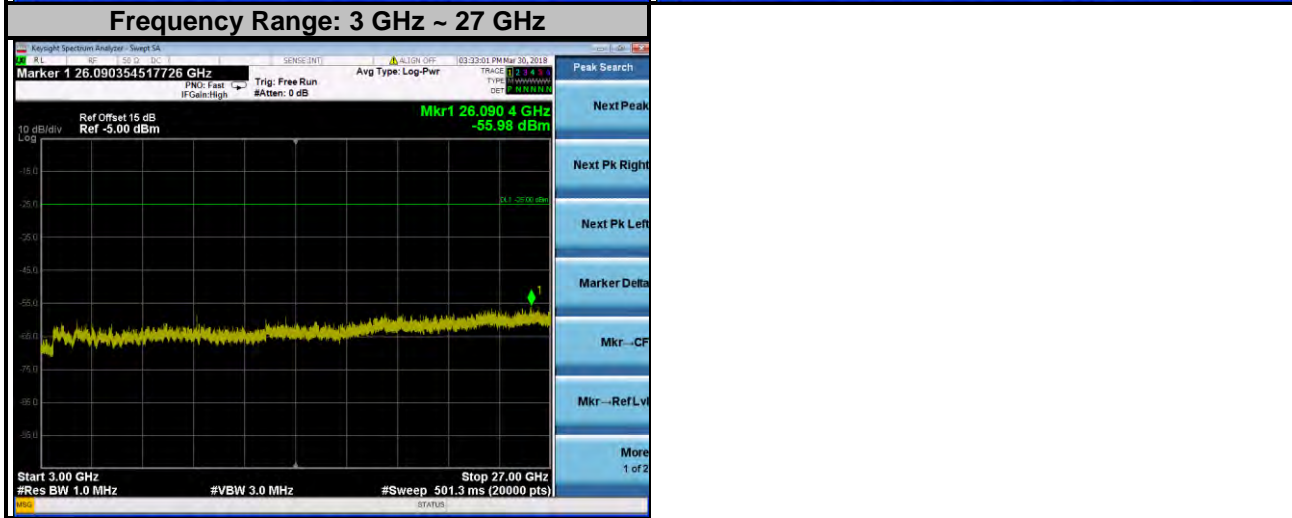
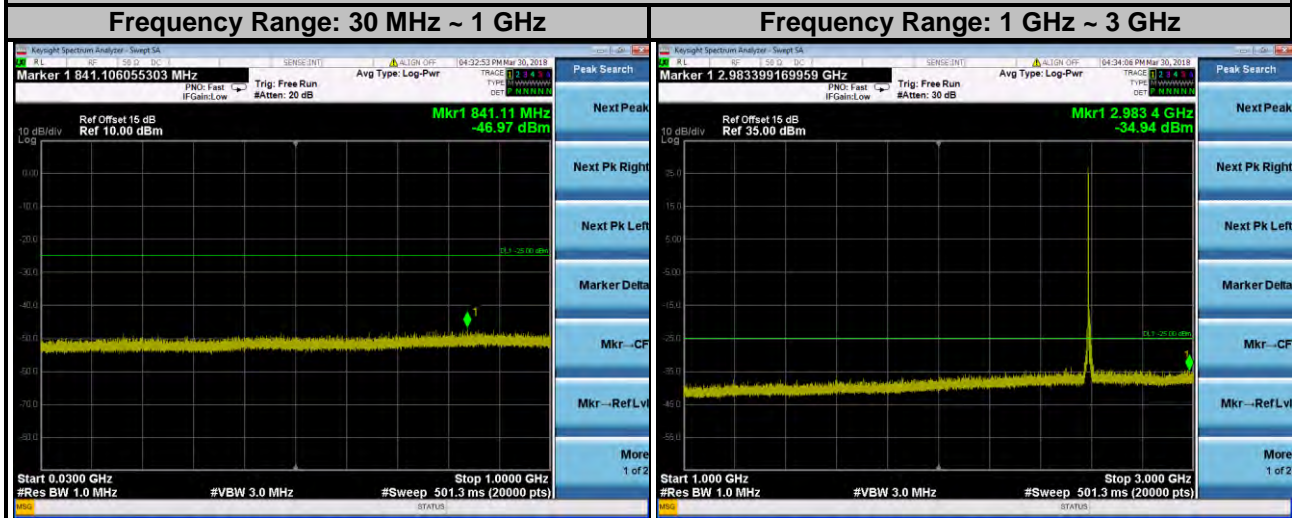
LTE Band 41
Channel Bandwidth: 10 MHz
Channel 41540



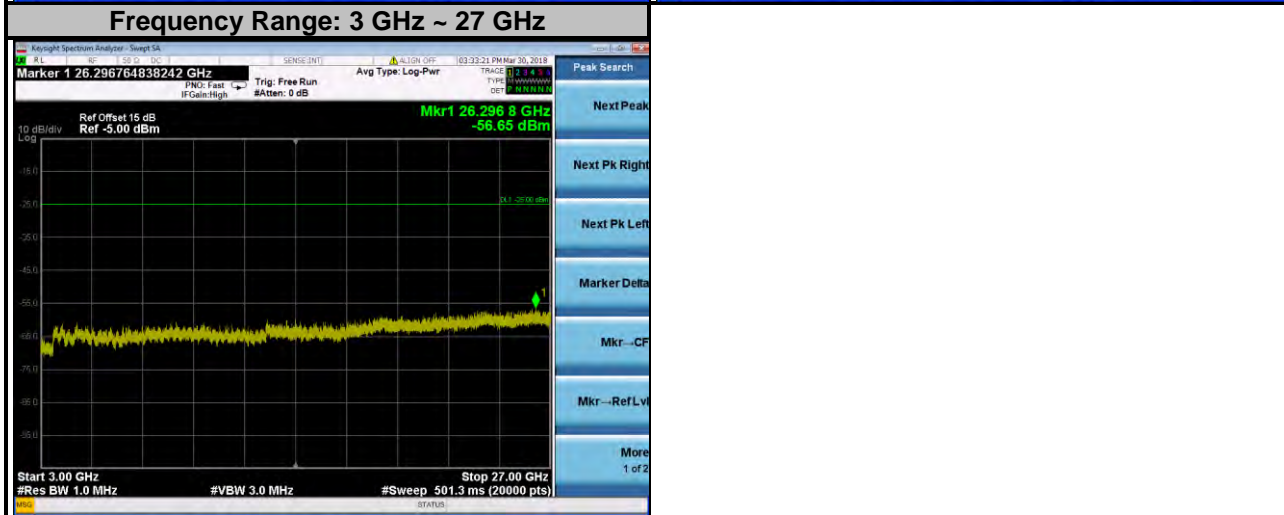
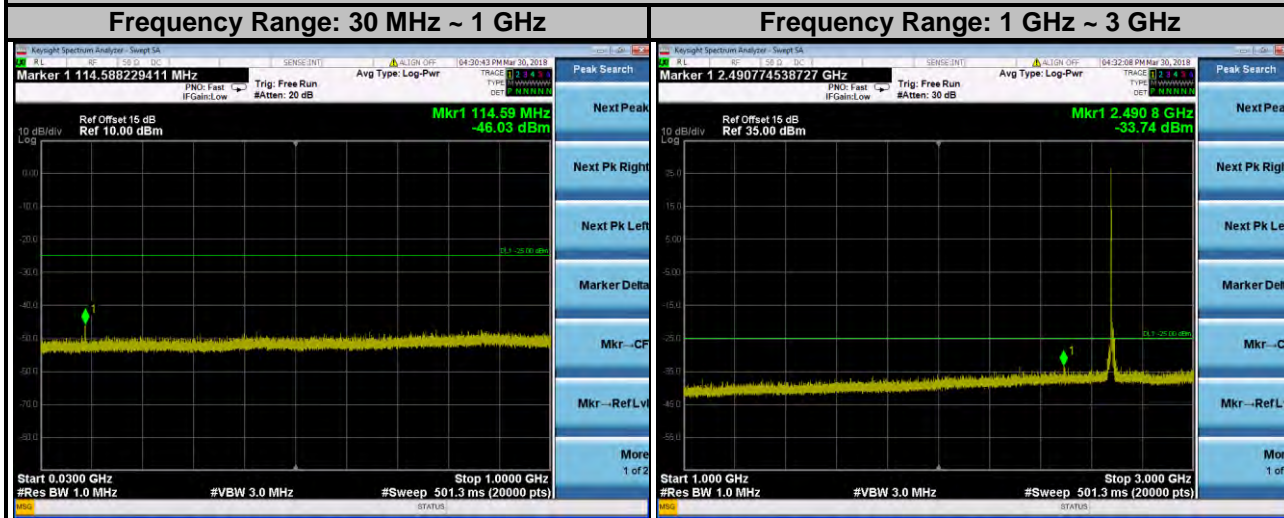
LTE Band 41
Channel Bandwidth: 15 MHz
Channel 39725



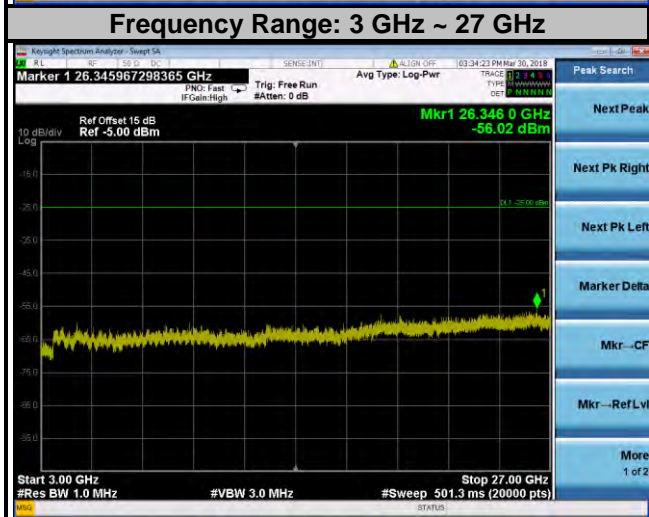
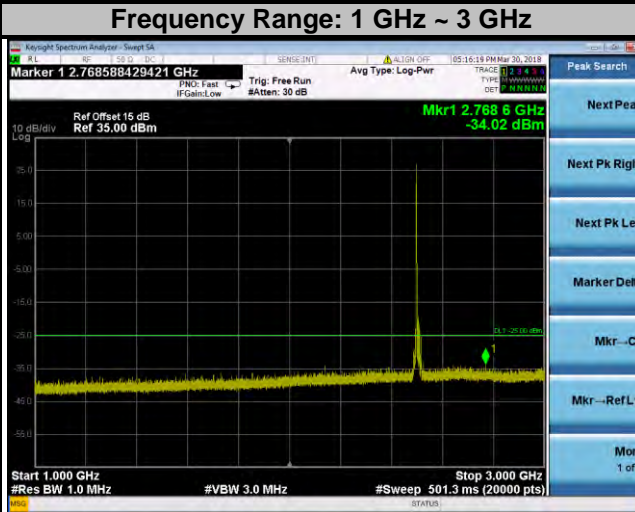
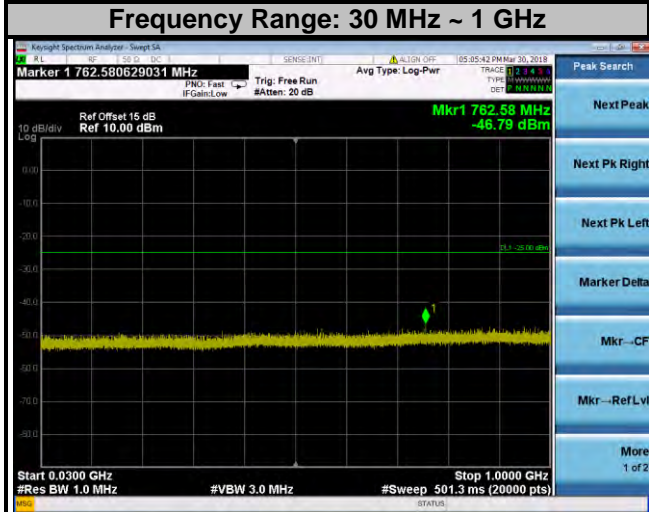
LTE Band 41
Channel Bandwidth: 15 MHz
Channel 40620



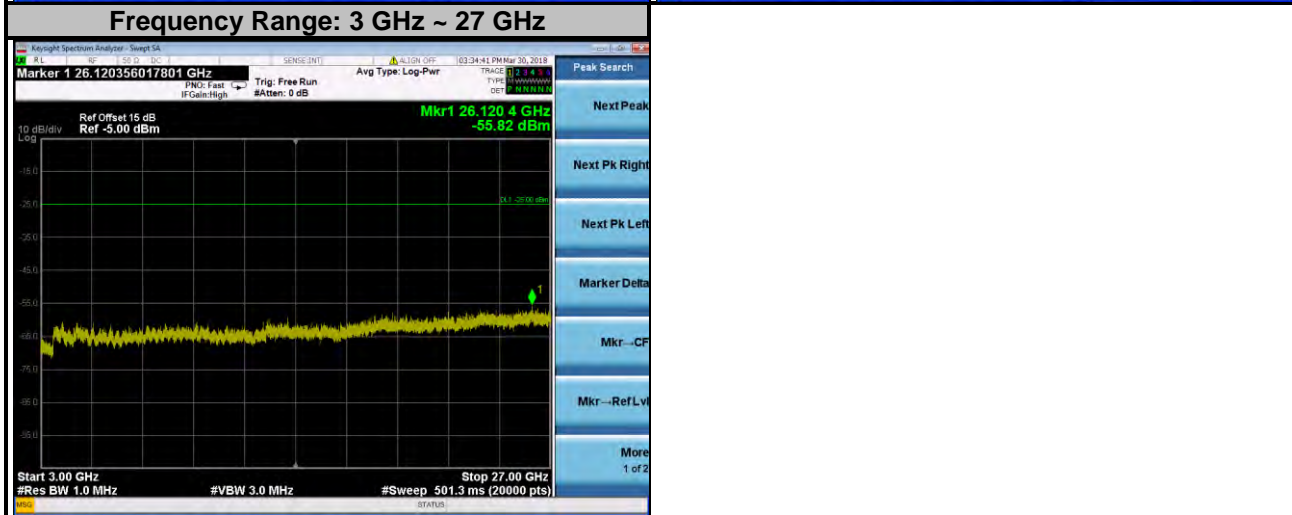
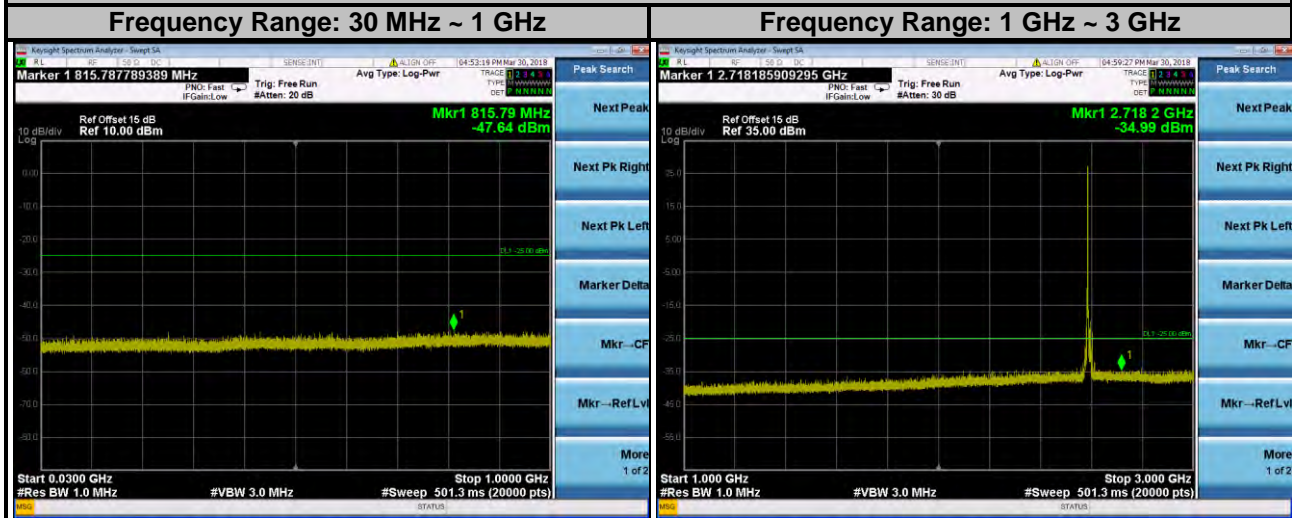
LTE Band 41
Channel Bandwidth: 15 MHz
Channel 41515



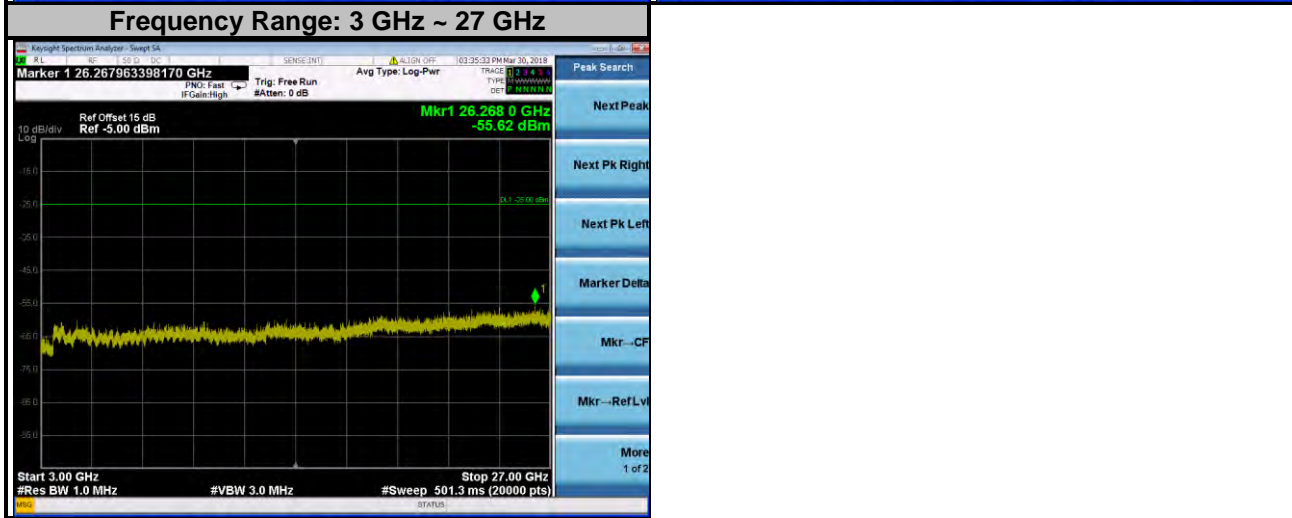
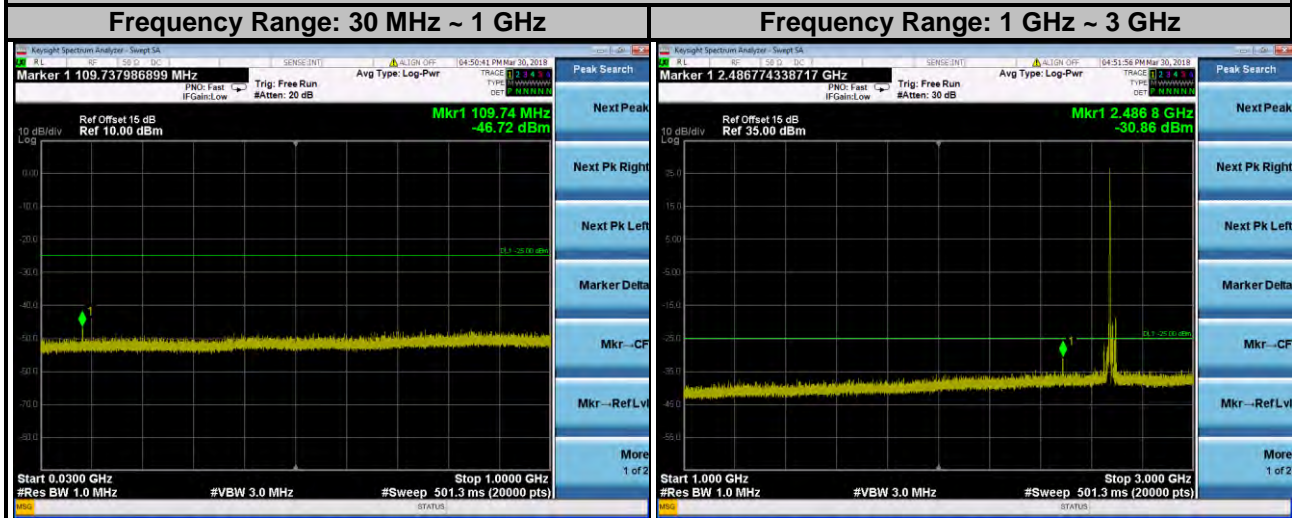
LTE Band 41
Channel Bandwidth: 20 MHz
Channel 39750



LTE Band 41
Channel Bandwidth: 20 MHz
Channel 40620



LTE Band 41
Channel Bandwidth: 20 MHz
Channel 41490



4.7 Radiated Emission Measurement

4.7.1 Limits of Radiated Emission Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25 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, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15 \text{ dBi}$.

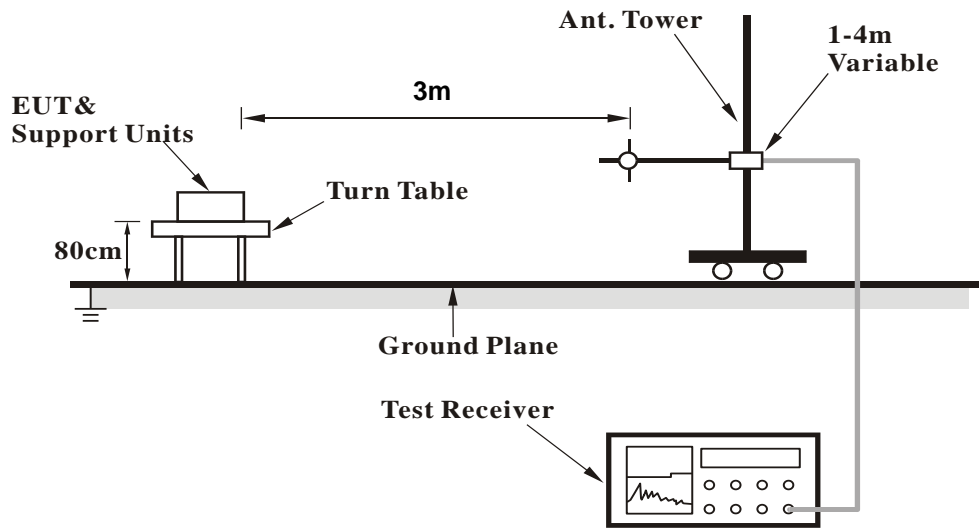
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.7.3 Deviation from Test Standard

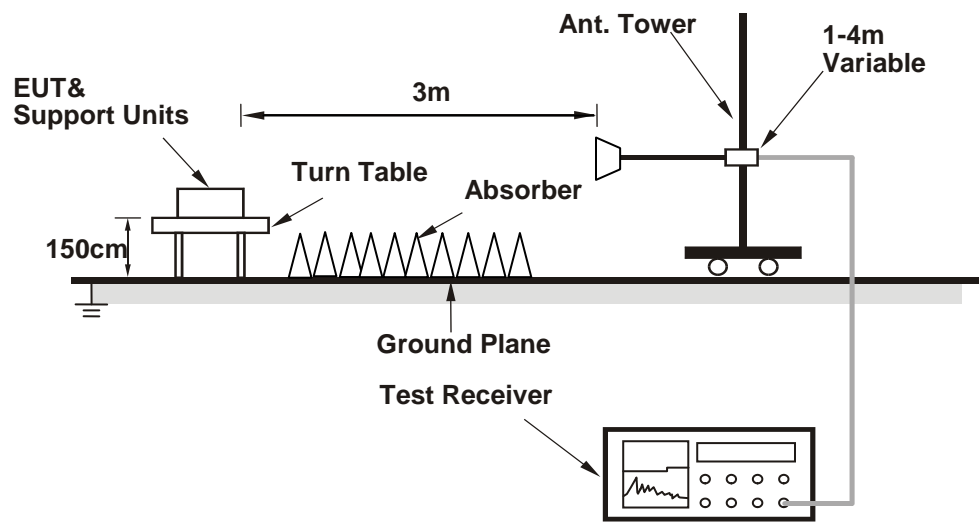
No deviation.

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

<Mode A>

LTE Band 7

Channel Bandwidth: 5 MHz / QPSK

Low Channel

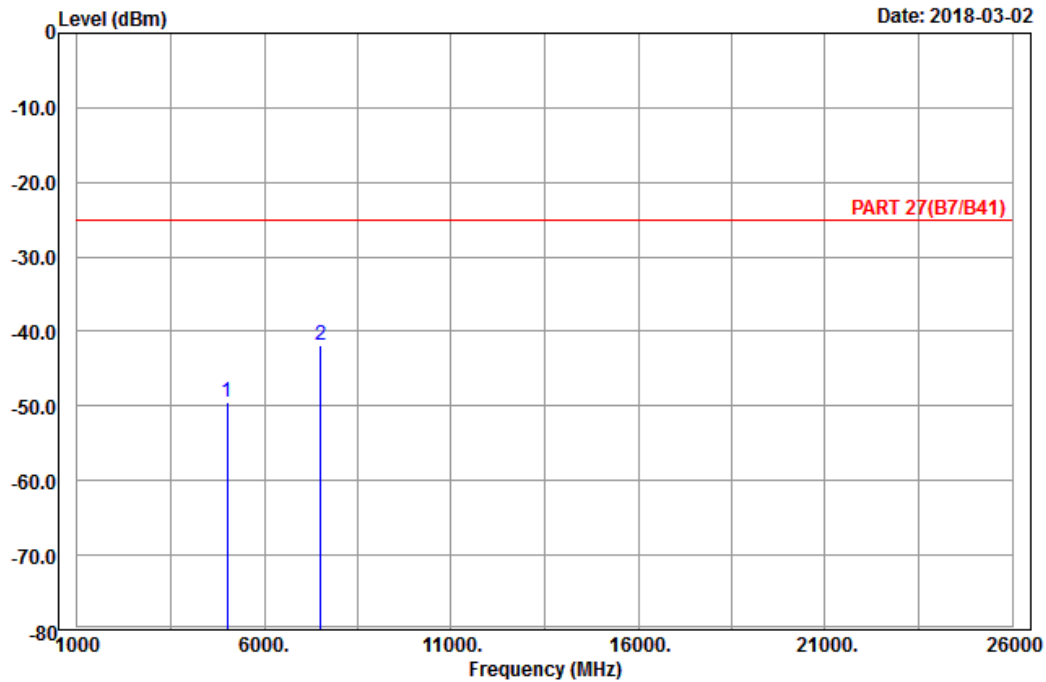


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH20775
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	5005.00	-49.54	-69.12	-25.00	-24.54	19.58	Peak
2 pp	7507.50	-41.75	-64.43	-25.00	-16.75	22.68	Peak

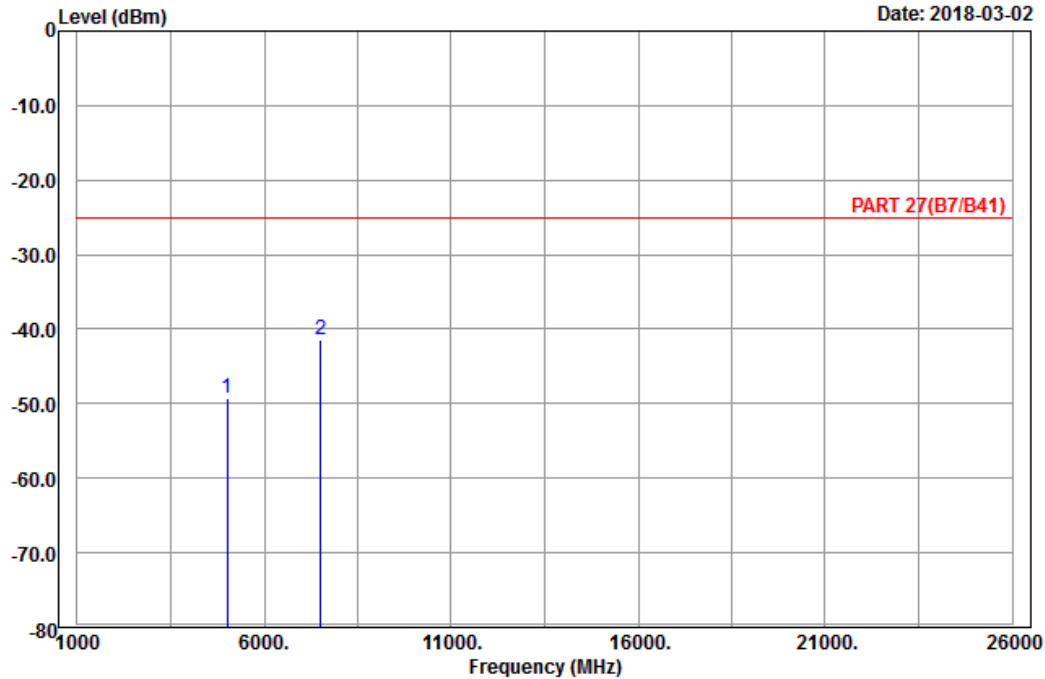


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH20775
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	5005.00	-49.28	-68.86	-25.00	-24.28	19.58	Peak
2 pp	7507.50	-41.33	-64.01	-25.00	-16.33	22.68	Peak

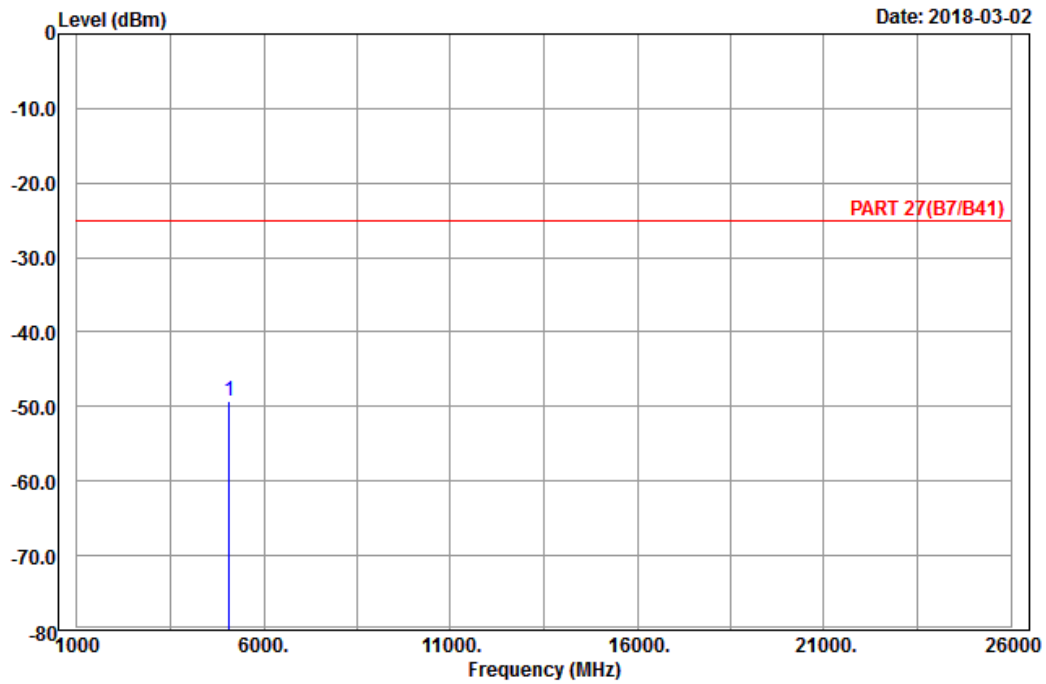
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5070.00	-49.21	-68.60	-25.00	-24.21	19.39	Peak

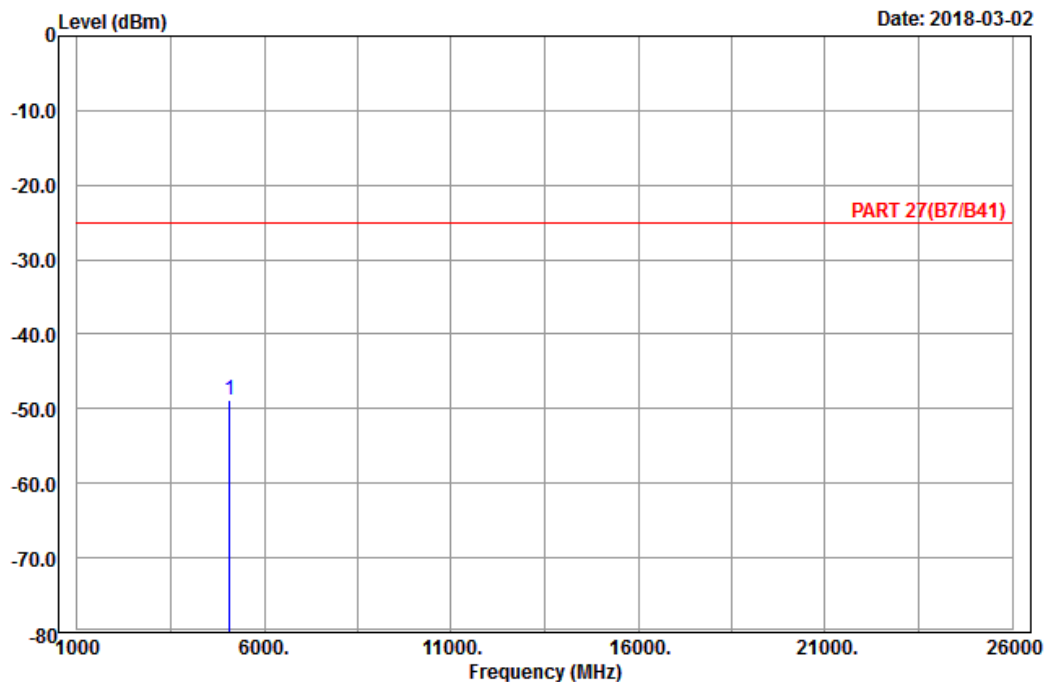


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5070.00	-48.77	-68.16	-25.00	-23.77	19.39	Peak

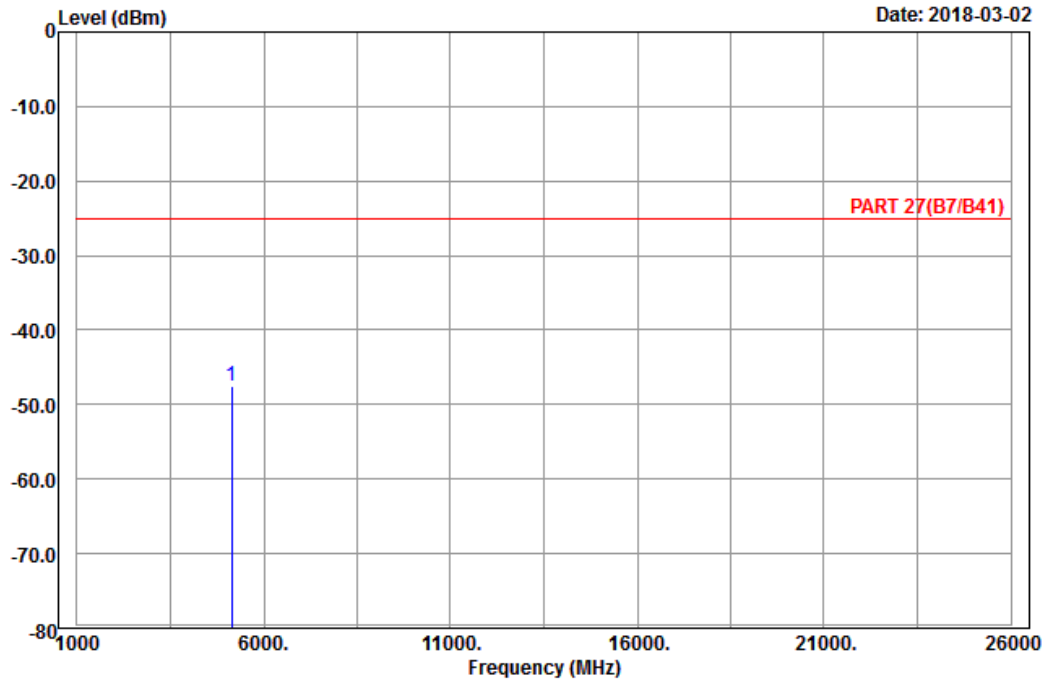
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH21425
 Tested by: Karl Lee

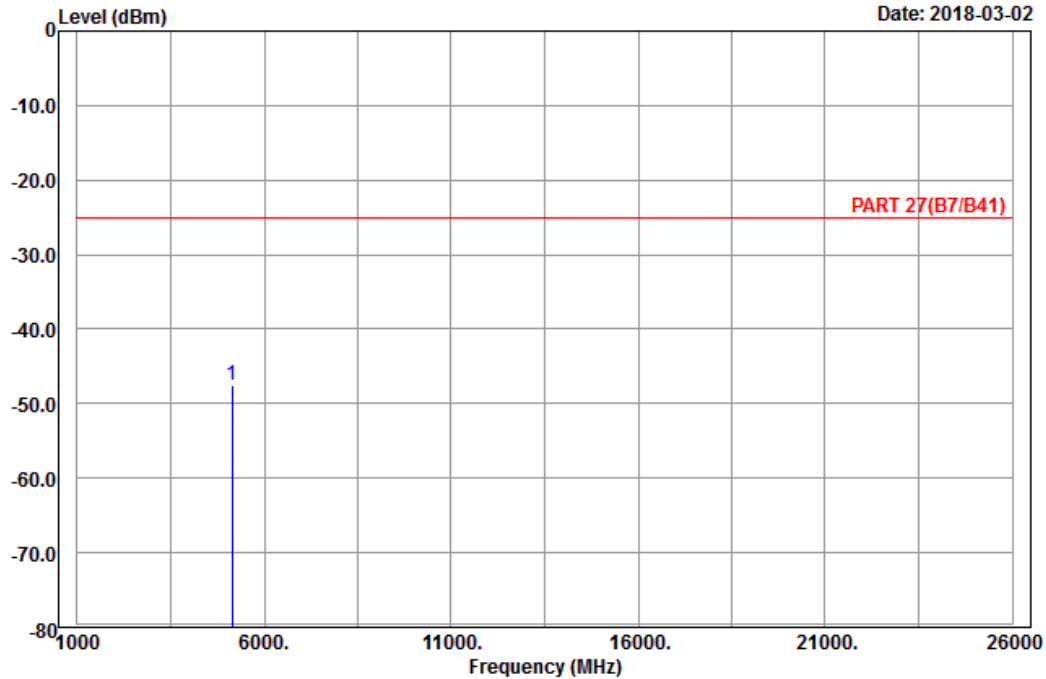
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5135.00	-47.60	-67.41	-25.00	-22.60	19.81	Peak



A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH21425
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5135.00	-47.59	-67.40	-25.00	-22.59	19.81	Peak

Channel Bandwidth: 20 MHz / QPSK
Low Channel

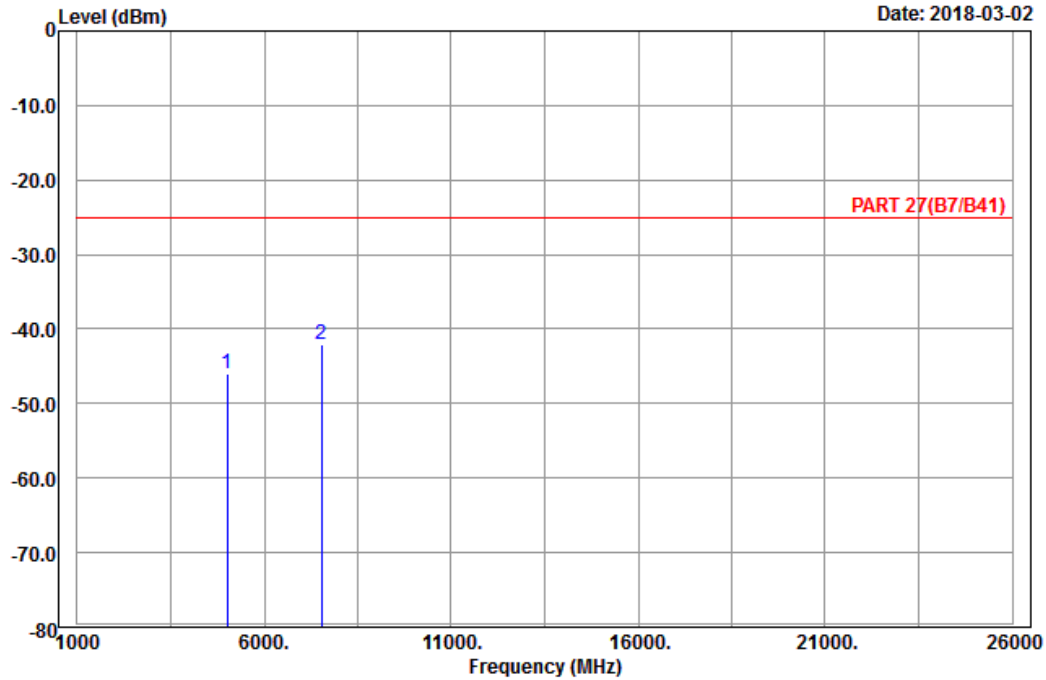


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
Condition: PART 27(B7/B41) Horizontal
Remark : LTE_Band 7_Link_CH20850
Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	5020.00	-45.98	-65.06	-25.00	-20.98	19.08	Peak
2 pp	7530.00	-42.14	-64.99	-25.00	-17.14	22.85	Peak

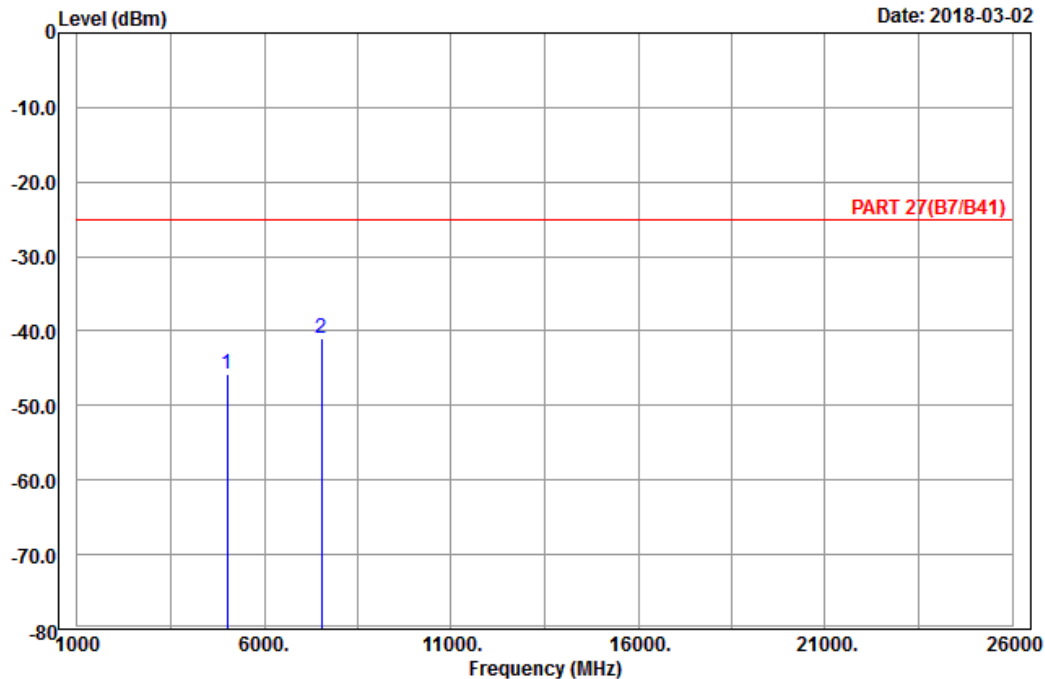


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH20850
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	5020.00	-45.70	-64.78	-25.00	-20.70	19.08	Peak
2 pp	7530.00	-41.03	-63.88	-25.00	-16.03	22.85	Peak

Middle Channel

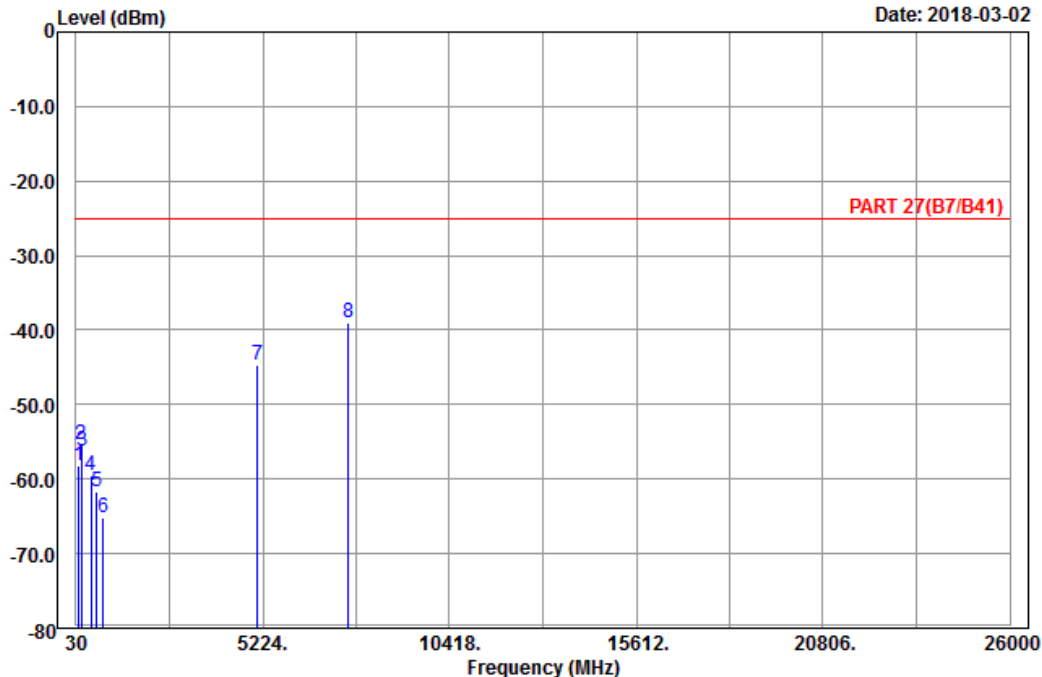


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A D T

Data: 13

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Charles Hsiao

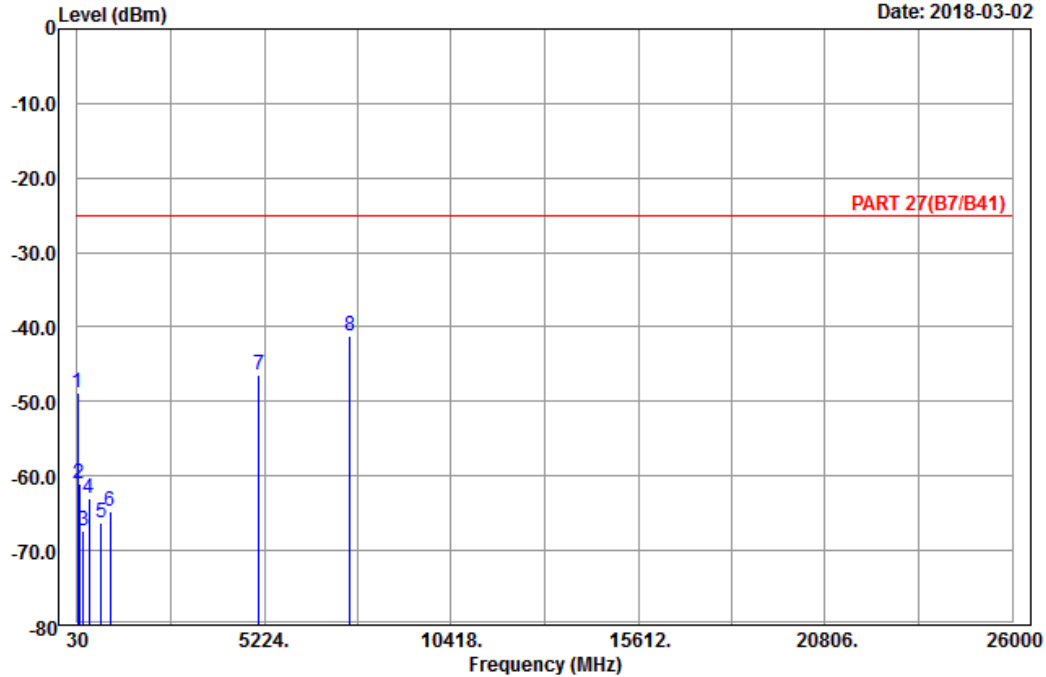
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	97.77	-58.28	-48.05	-25.00	-33.28	-10.23	Peak
2	173.37	-55.38	-49.08	-25.00	-30.38	-6.30	Peak
3	198.75	-56.22	-50.08	-25.00	-31.22	-6.14	Peak
4	449.10	-59.51	-55.69	-25.00	-34.51	-3.82	Peak
5	612.20	-61.60	-61.89	-25.00	-36.60	0.29	Peak
6	781.60	-65.20	-66.00	-25.00	-40.20	0.80	Peak
7	5070.00	-44.75	-64.14	-25.00	-19.75	19.39	Peak
8 pp	7605.00	-39.01	-62.00	-25.00	-14.01	22.99	Peak



A D T

Data: 14

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	46.47	-48.82	-36.02	-25.00	-23.82	-12.80	Peak
2	89.13	-61.10	-50.32	-25.00	-36.10	-10.78	Peak
3	188.49	-67.29	-61.59	-25.00	-42.29	-5.70	Peak
4	361.60	-62.96	-58.20	-25.00	-37.96	-4.76	Peak
5	687.10	-66.16	-65.85	-25.00	-41.16	-0.31	Peak
6	936.30	-64.78	-69.28	-25.00	-39.78	4.50	Peak
7	5070.00	-46.39	-65.78	-25.00	-21.39	19.39	Peak
8 pp	7605.00	-41.21	-64.20	-25.00	-16.21	22.99	Peak

High Channel

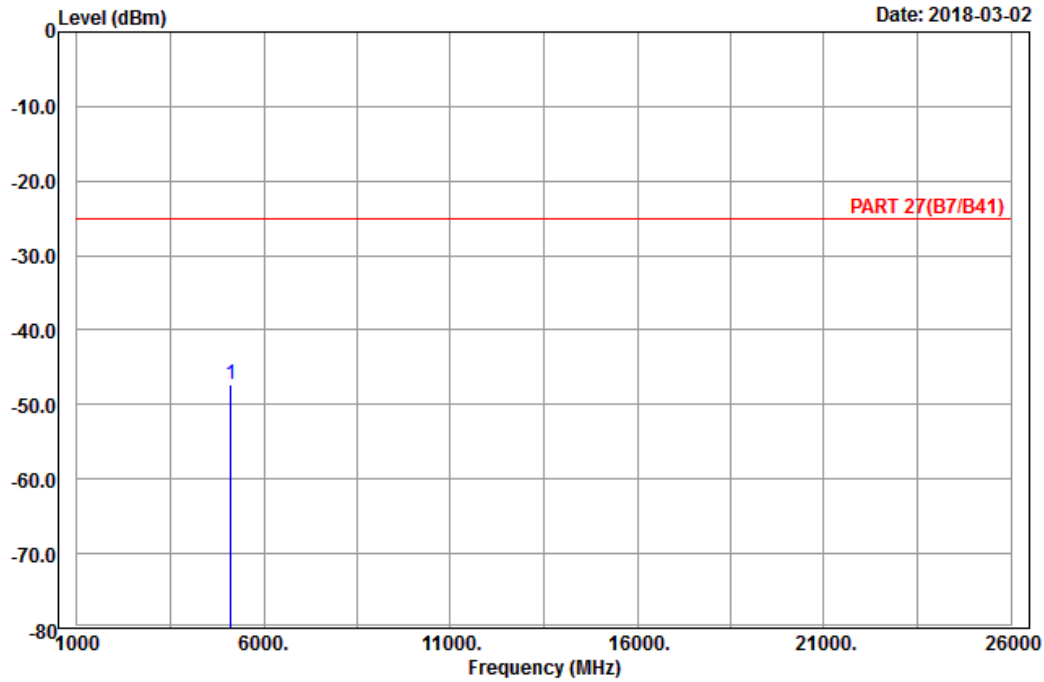


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH21350
 Tested by: Charles Hsiao

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5120.00	-47.40	-67.11	-25.00	-22.40	19.71	Peak

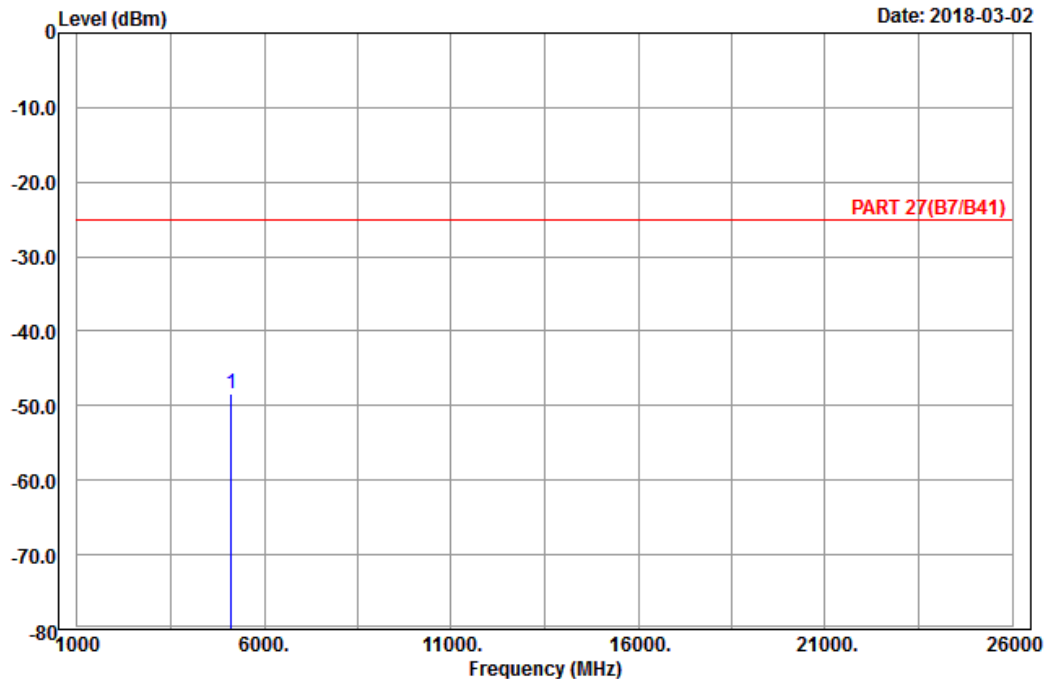


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A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH21350
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5120.00	-48.40	-68.11	-25.00	-23.40	19.71	Peak

LTE Band 38
 Channel Bandwidth: 5 MHz / QPSK
 Low Channel

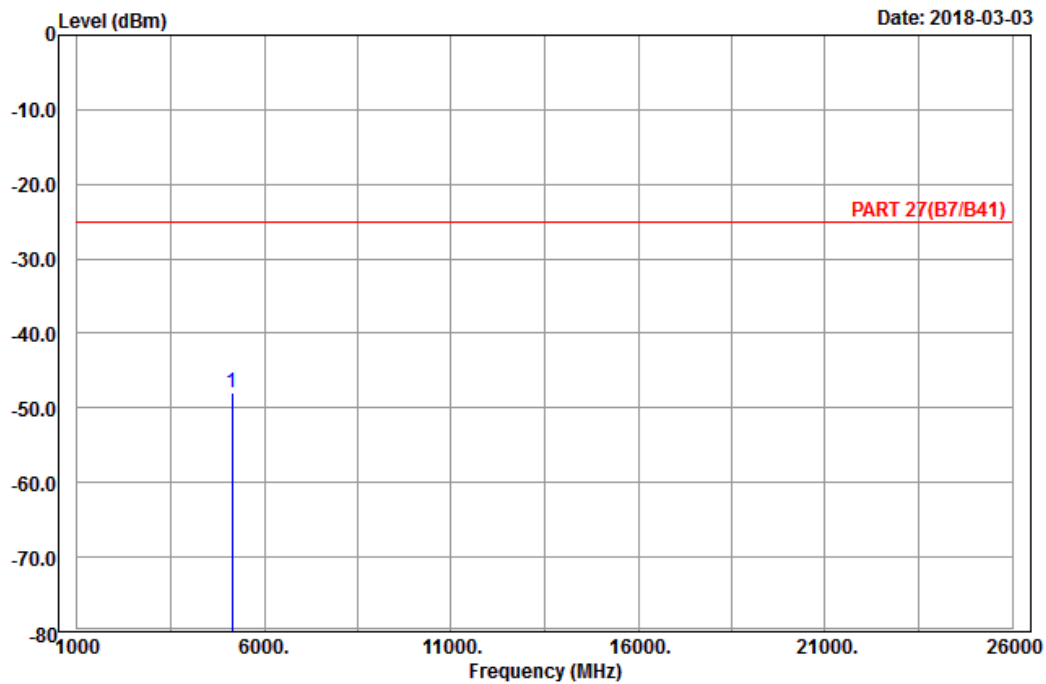


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A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 38_Link_CH37775
 Tested by: Charles Hsiao

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor Remark
MHz	dBm	dBm	dBm	dB	dB
1 pp 5145.00	-48.04	-67.85	-25.00	-23.04	19.81 Peak

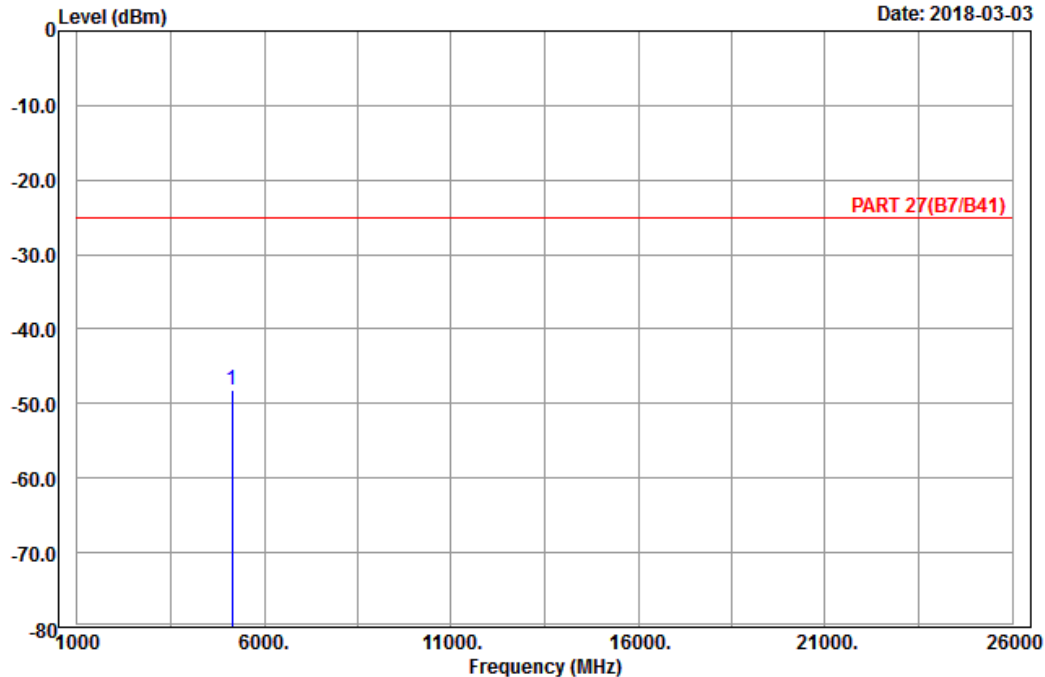


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH37775
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5145.00	-48.10	-67.91	-25.00	-23.10	19.81	Peak

Middle Channel

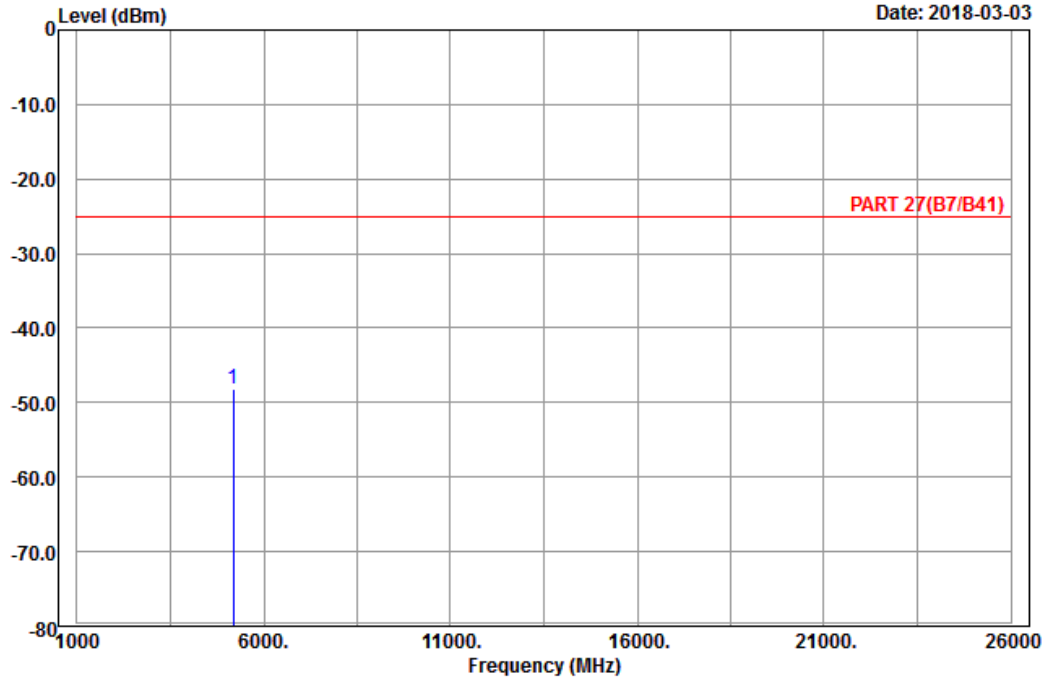


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 38_Link_CH38000
 Tested by: Charles Hsiao

Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5190.00	-48.22	-68.34	-25.00	-23.22	20.12	Peak

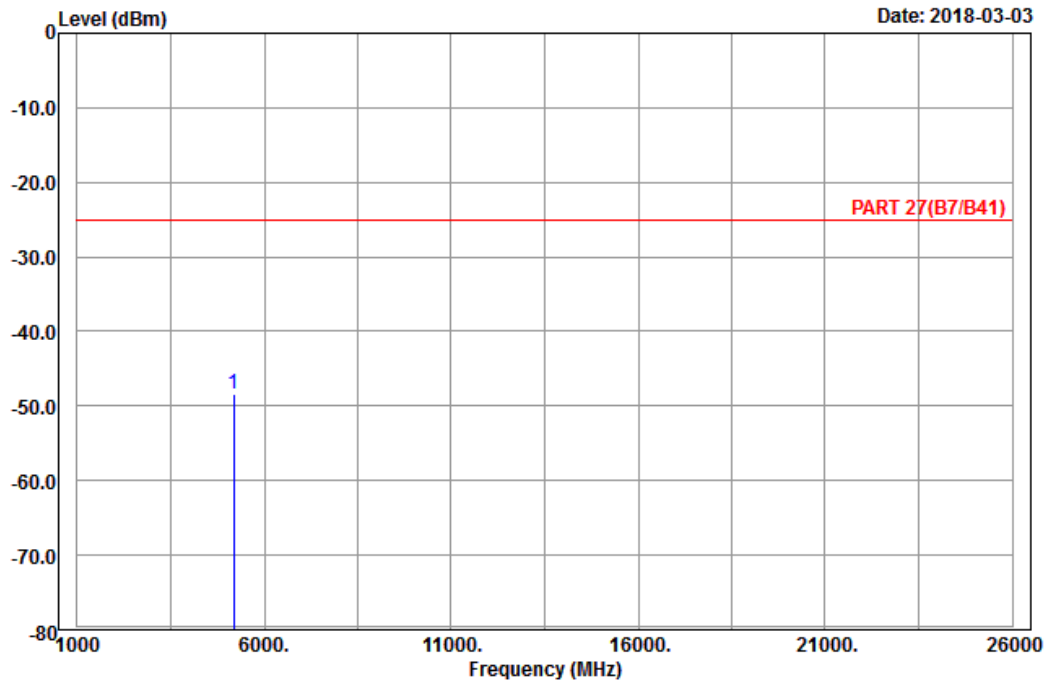


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH38000
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	5190.00	-48.49	-68.61	-25.00	-23.49	20.12	Peak

High Channel

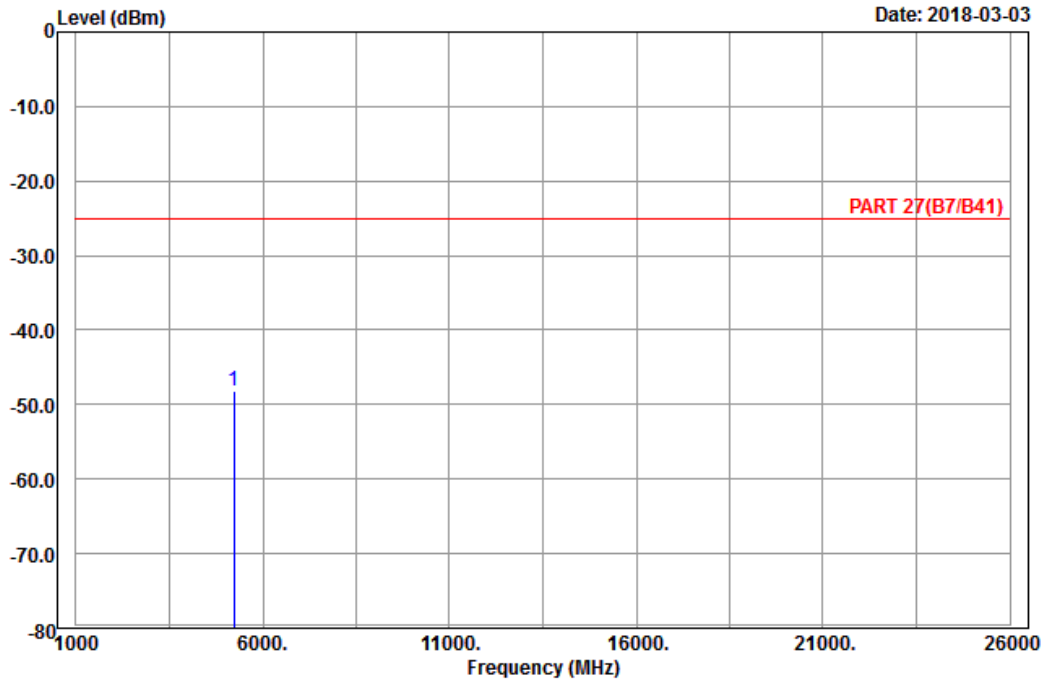


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 38_Link_CH38225
 Tested by: Charles Hsiao

Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5235.00	-48.21	-68.37	-25.00	-23.21	20.16	Peak

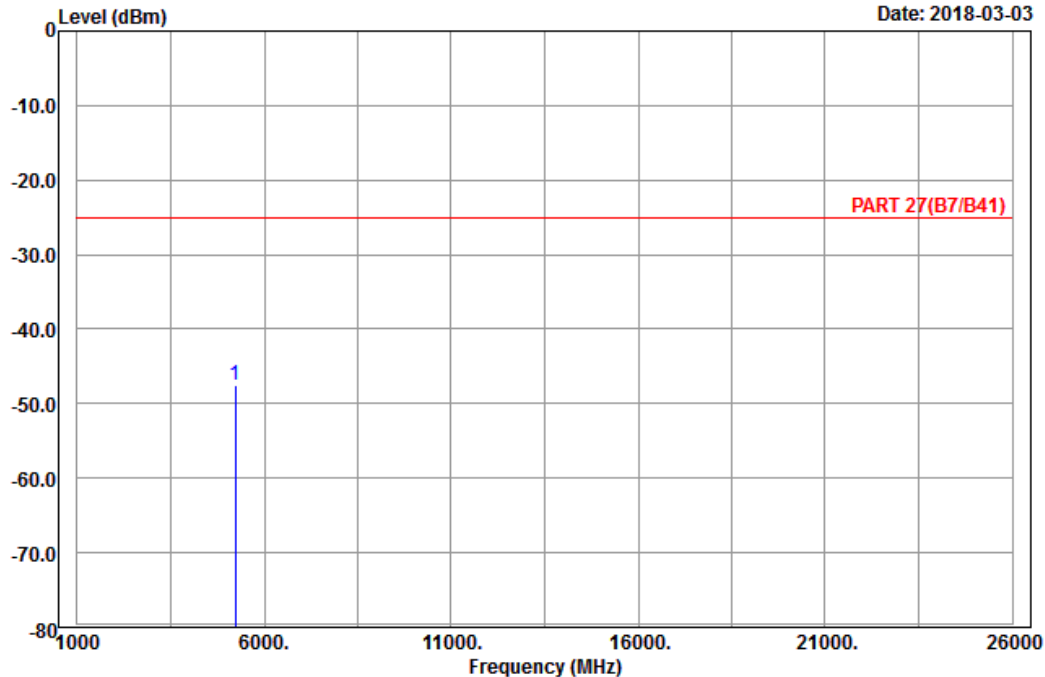


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH38225
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5235.00	-47.62	-67.78	-25.00	-22.62	20.16	Peak

Channel Bandwidth: 20 MHz / QPSK
Low Channel

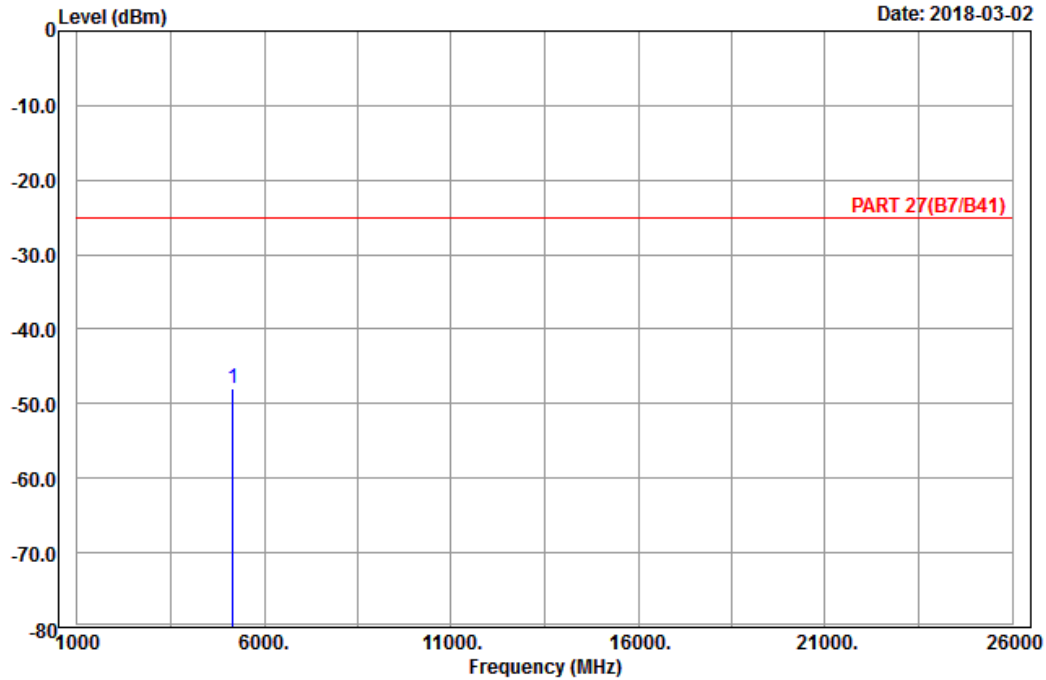


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
Condition: PART 27(B7/B41) Horizontal
Remark : LTE_Band 38_Link_CH37850
Tested by: Charles Hsiao

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5160.00	-48.02	-67.94	-25.00	-23.02	19.92	Peak

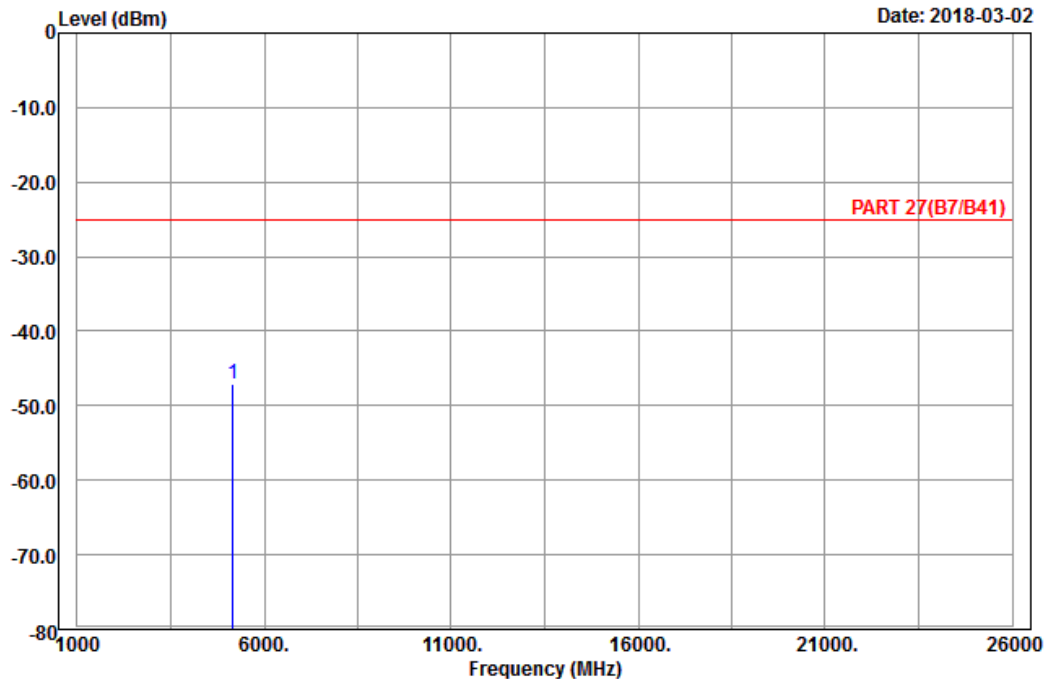


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH37850
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5160.00	-47.14	-67.06	-25.00	-22.14	19.92	Peak

Middle Channel

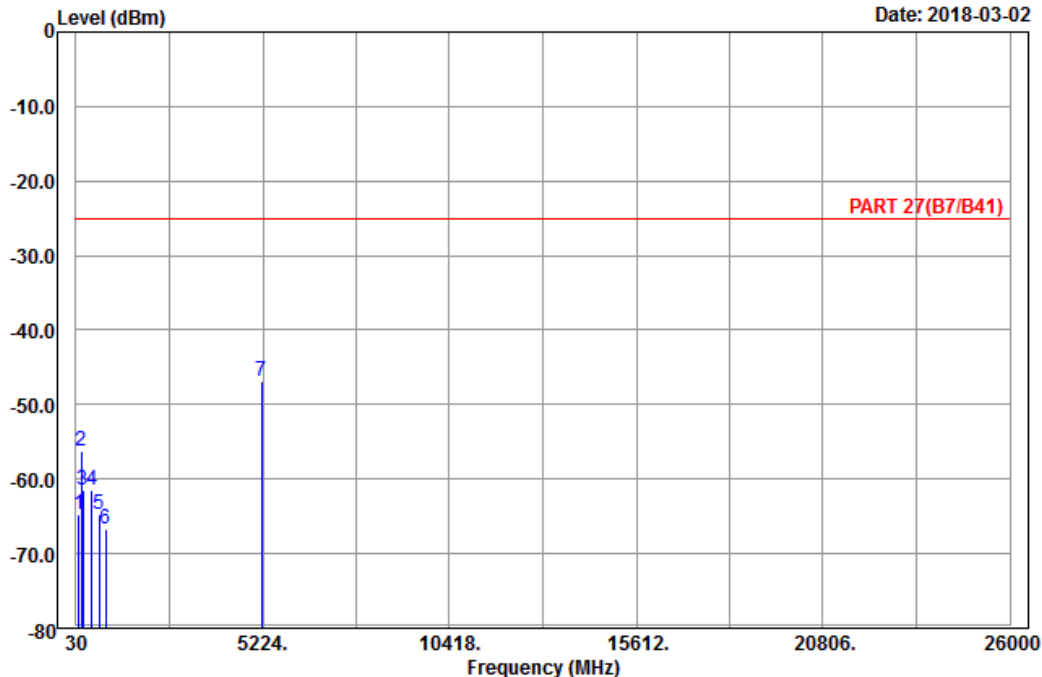


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 38_Link_CH38000
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	99.66	-64.69	-54.57	-25.00	-39.69	-10.12	Peak
2	174.18	-56.26	-50.07	-25.00	-31.26	-6.19	Peak
3	227.37	-61.49	-55.67	-25.00	-36.49	-5.82	Peak
4	479.20	-61.42	-56.74	-25.00	-36.42	-4.68	Peak
5	668.20	-64.81	-64.59	-25.00	-39.81	-0.22	Peak
6	859.30	-66.73	-68.45	-25.00	-41.73	1.72	Peak
7 pp	5190.00	-46.94	-67.06	-25.00	-21.94	20.12	Peak

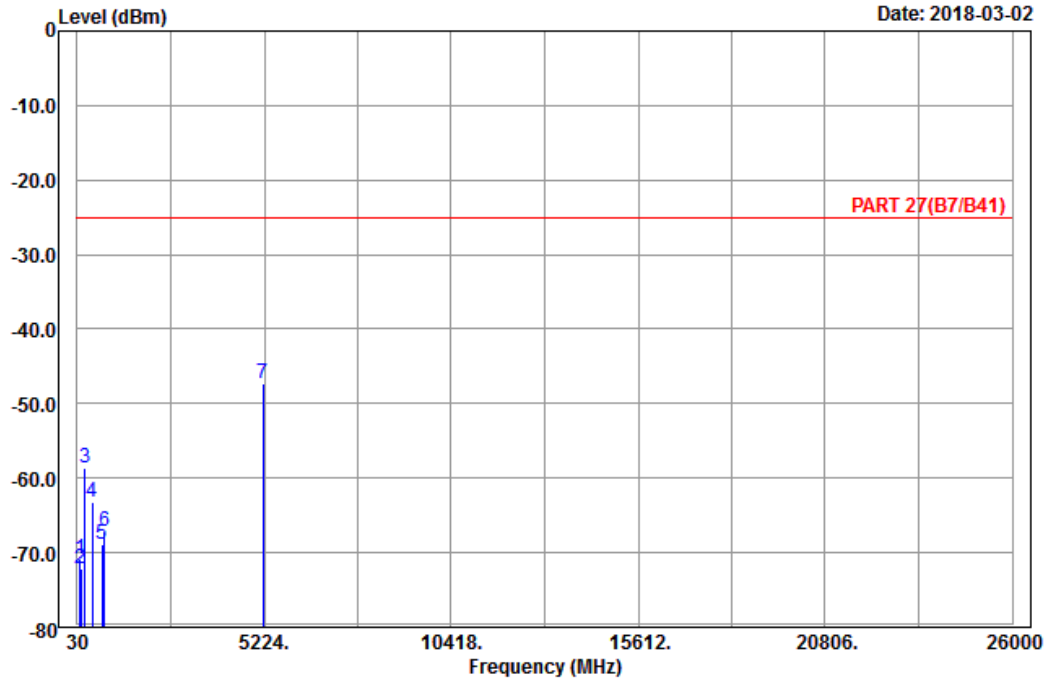


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH38000
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	99.93	-70.95	-60.83	-25.00	-45.95	-10.12	Peak
2	123.69	-72.19	-64.18	-25.00	-47.19	-8.01	Peak
3	246.54	-58.70	-53.14	-25.00	-33.70	-5.56	Peak
4	447.70	-63.12	-59.32	-25.00	-38.12	-3.80	Peak
5	715.80	-68.97	-68.30	-25.00	-43.97	-0.67	Peak
6	778.80	-67.20	-67.81	-25.00	-42.20	0.61	Peak
7 pp	5190.00	-47.40	-67.52	-25.00	-22.40	20.12	Peak

High Channel

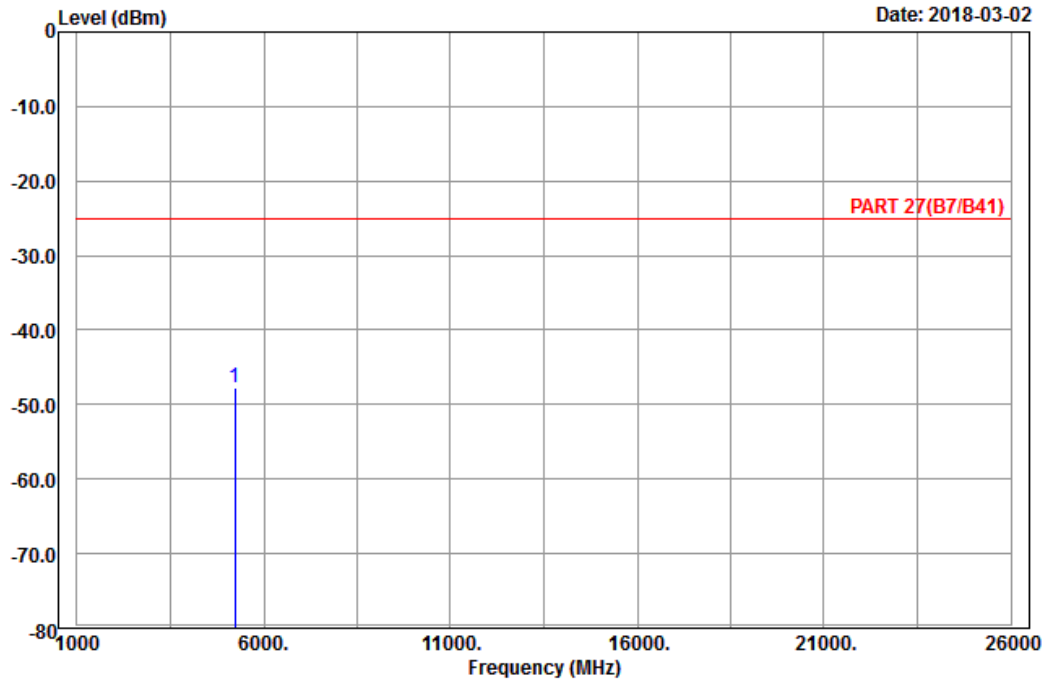


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 38_Link_CH38150
 Tested by: Charles Hsiao

Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5220.00	-47.78	-67.92	-25.00	-22.78	20.14	Peak

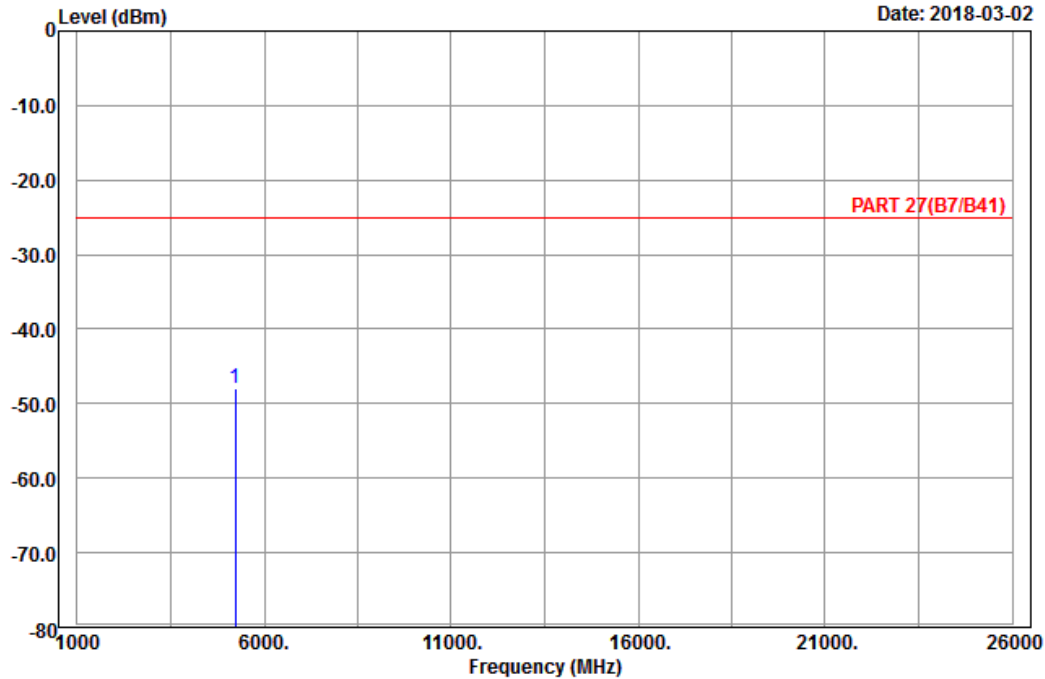


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH38150
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5220.00	-47.99	-68.13	-25.00	-22.99	20.14	Peak

LTE Band 41
 Channel Bandwidth: 5 MHz / QPSK
 Low Channel

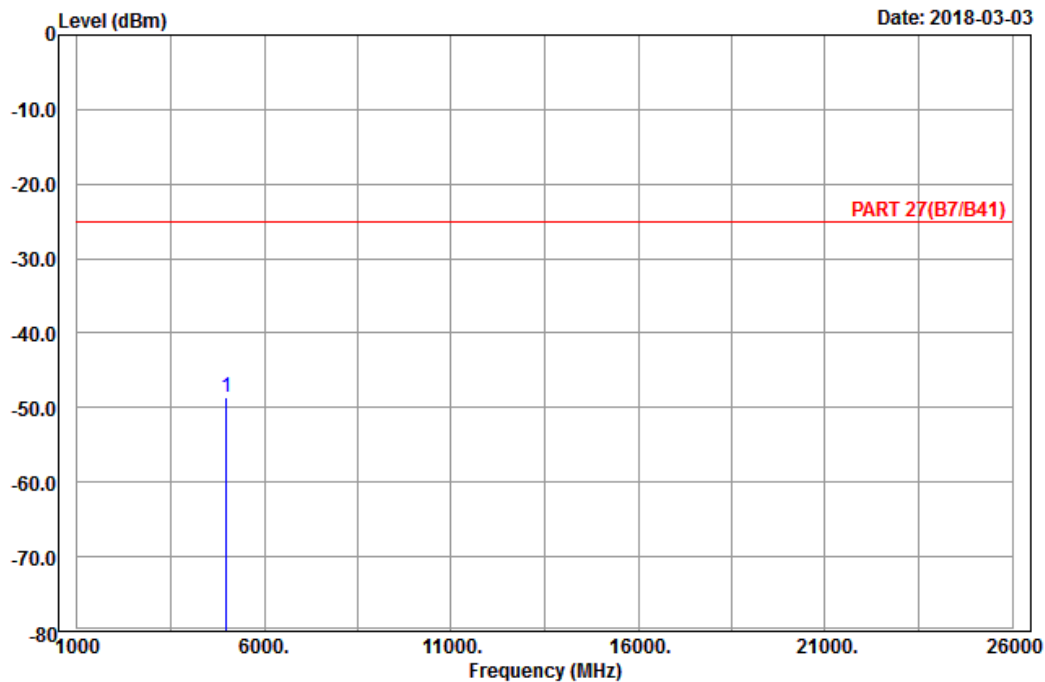


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH39675
 Tested by: Charles Hsiao

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 4997.00	-48.69	-68.27	-25.00	-23.69	19.58	Peak

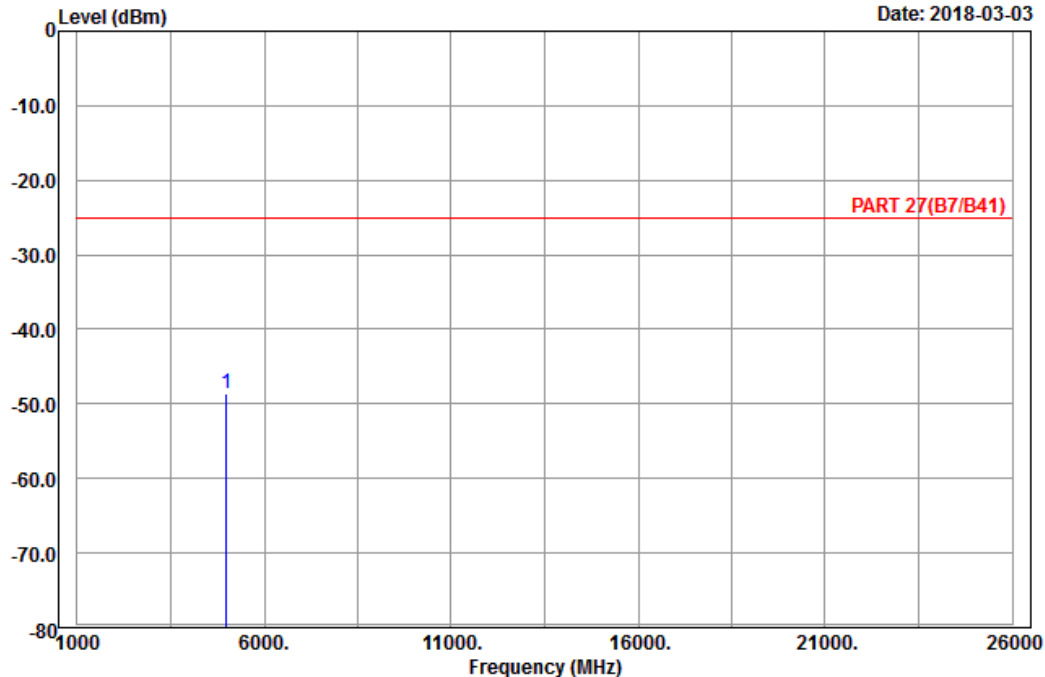


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH39675
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 4997.00	-48.57	-68.15	-25.00	-23.57	19.58	Peak

Middle Channel

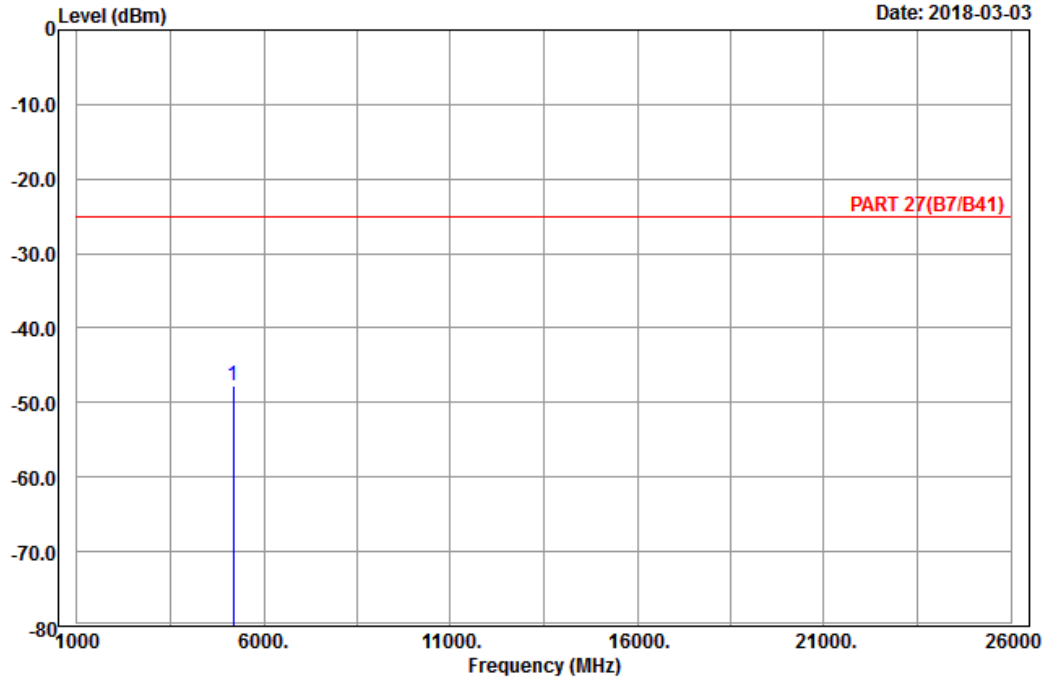


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5186.00	-47.68	-67.80	-25.00	-22.68	20.12	Peak

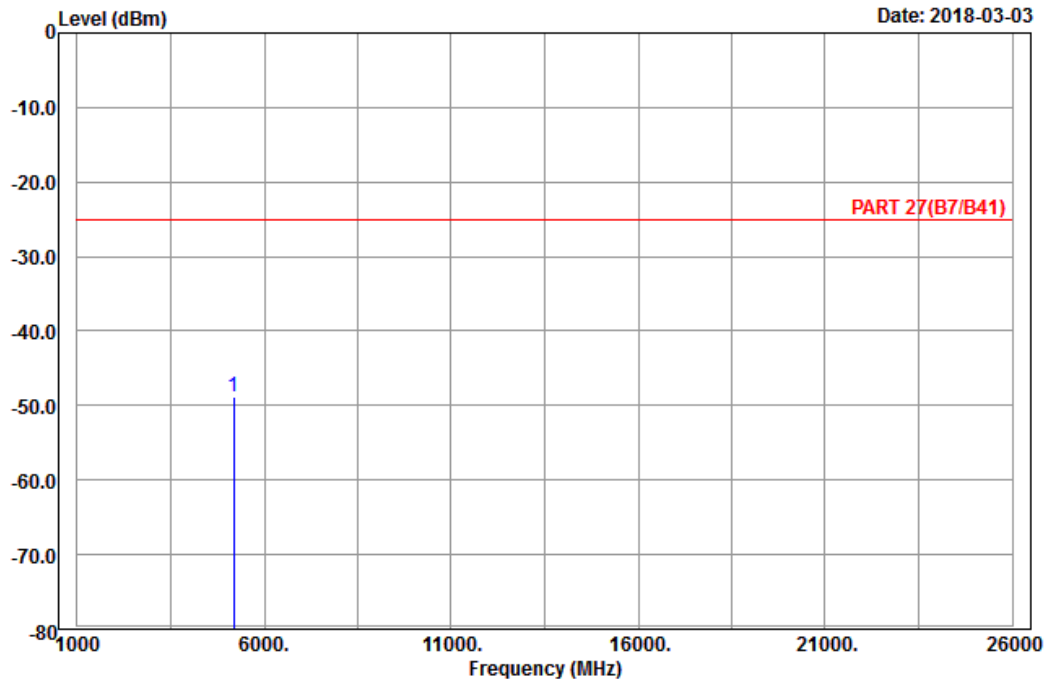


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5186.00	-48.78	-68.90	-25.00	-23.78	20.12	Peak

High Channel

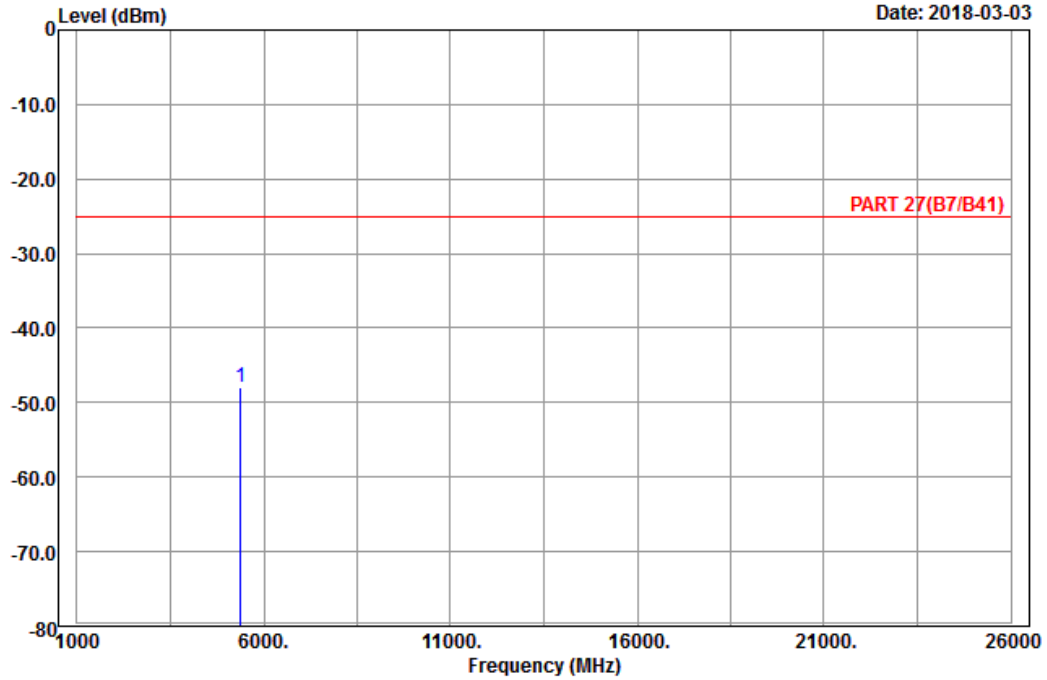


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH41565
 Tested by: Charles Hsiao

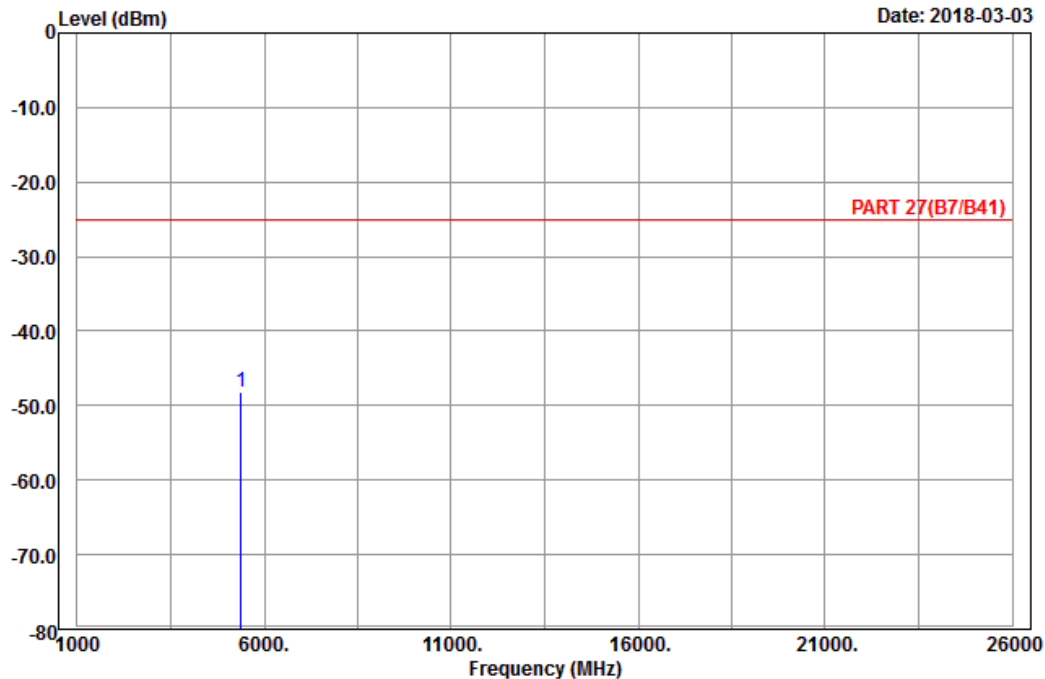
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5375.00	-47.95	-68.27	-25.00	-22.95	20.32	Peak



A D T

Data: 10

Date: 2018-03-03



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH41565
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5375.00	-48.23	-68.55	-25.00	-23.23	20.32	Peak

Channel Bandwidth: 20 MHz / QPSK
Low Channel

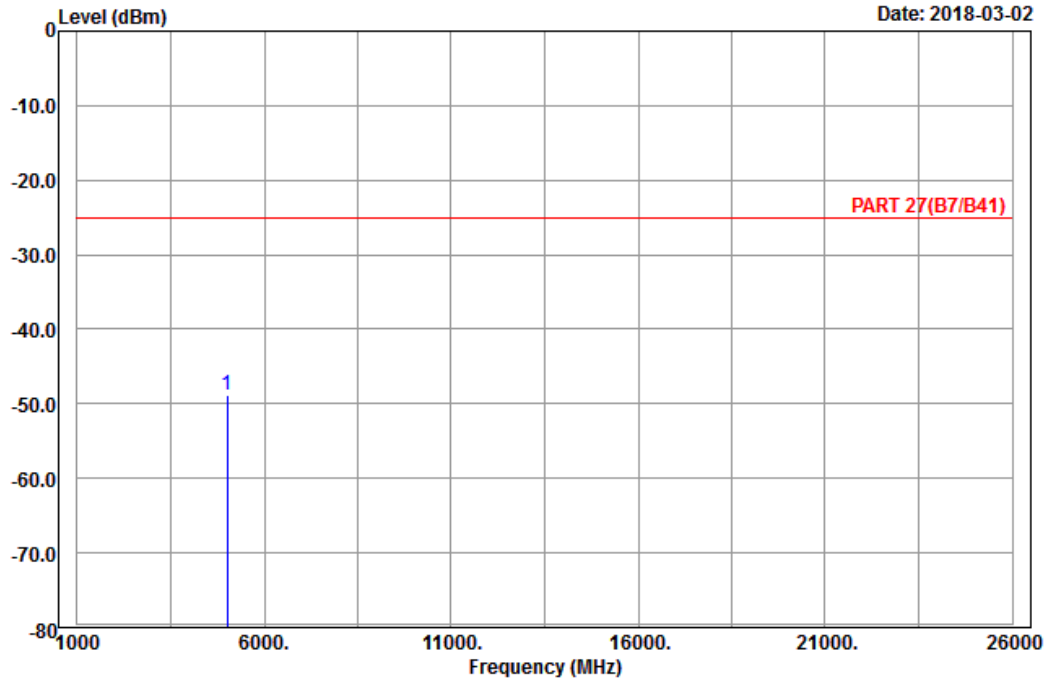


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
Condition: PART 27(B7/B41) Horizontal
Remark : LTE_Band 41_Link_CH39750
Tested by: Charles Hsiao

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5012.00	-48.88	-67.96	-25.00	-23.88	19.08	Peak

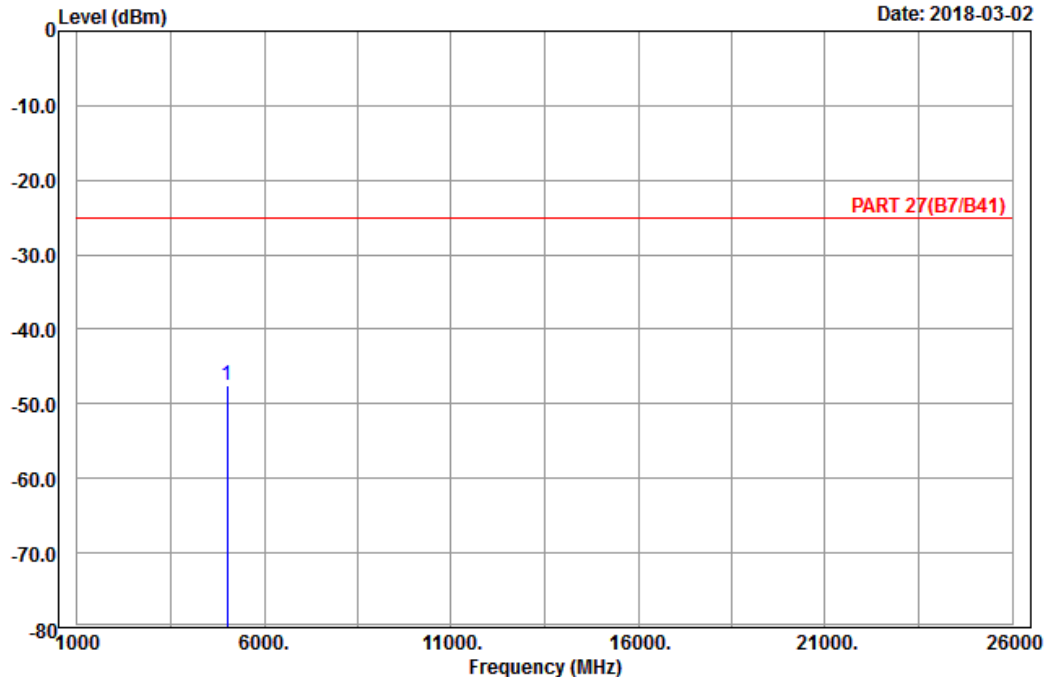


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH39750
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 5012.00	-47.59	-66.67	-25.00	-22.59	19.08	Peak

Middle Channel

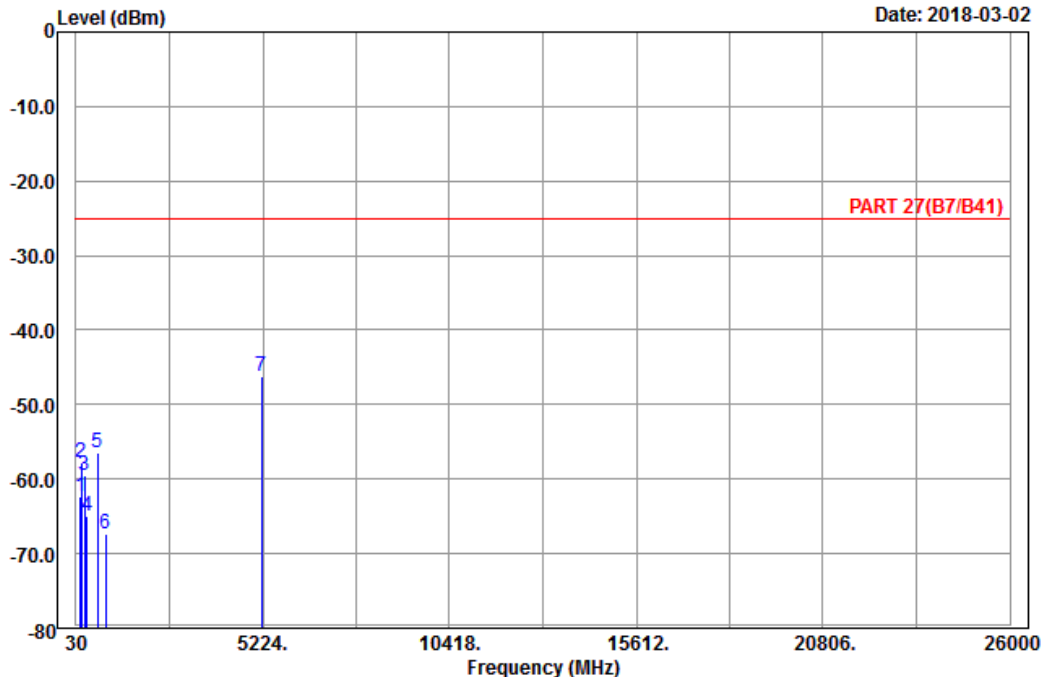


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	147.99	-62.29	-54.39	-25.00	-37.29	-7.90	Peak
2	186.87	-57.77	-52.08	-25.00	-32.77	-5.69	Peak
3	264.90	-59.54	-53.90	-25.00	-34.54	-5.64	Peak
4	342.70	-65.00	-59.53	-25.00	-40.00	-5.47	Peak
5	629.00	-56.52	-56.62	-25.00	-31.52	0.10	Peak
6	851.60	-67.37	-68.87	-25.00	-42.37	1.50	Peak
7 pp	5186.00	-46.29	-66.41	-25.00	-21.29	20.12	Peak

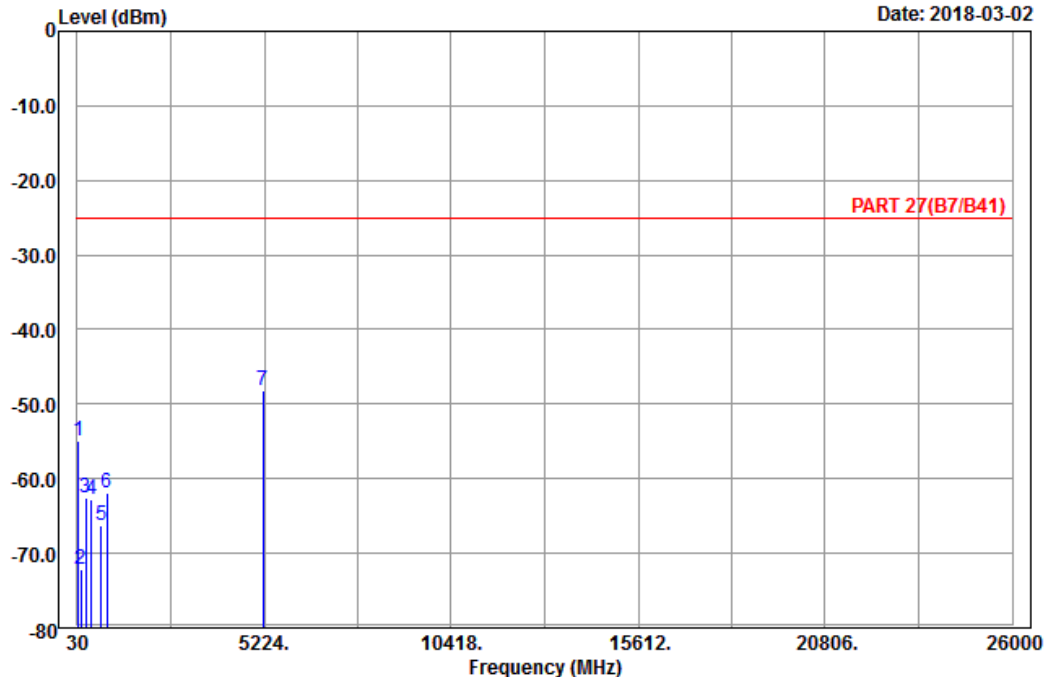


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	62.94	-54.99	-41.34	-25.00	-29.99	-13.65	Peak
2	125.58	-72.23	-64.34	-25.00	-47.23	-7.89	Peak
3	265.98	-62.59	-56.94	-25.00	-37.59	-5.65	Peak
4	414.80	-62.74	-59.66	-25.00	-37.74	-3.08	Peak
5	694.80	-66.25	-65.90	-25.00	-41.25	-0.35	Peak
6	844.60	-61.96	-63.46	-25.00	-36.96	1.50	Peak
7 pp	5186.00	-48.21	-68.33	-25.00	-23.21	20.12	Peak

High Channel

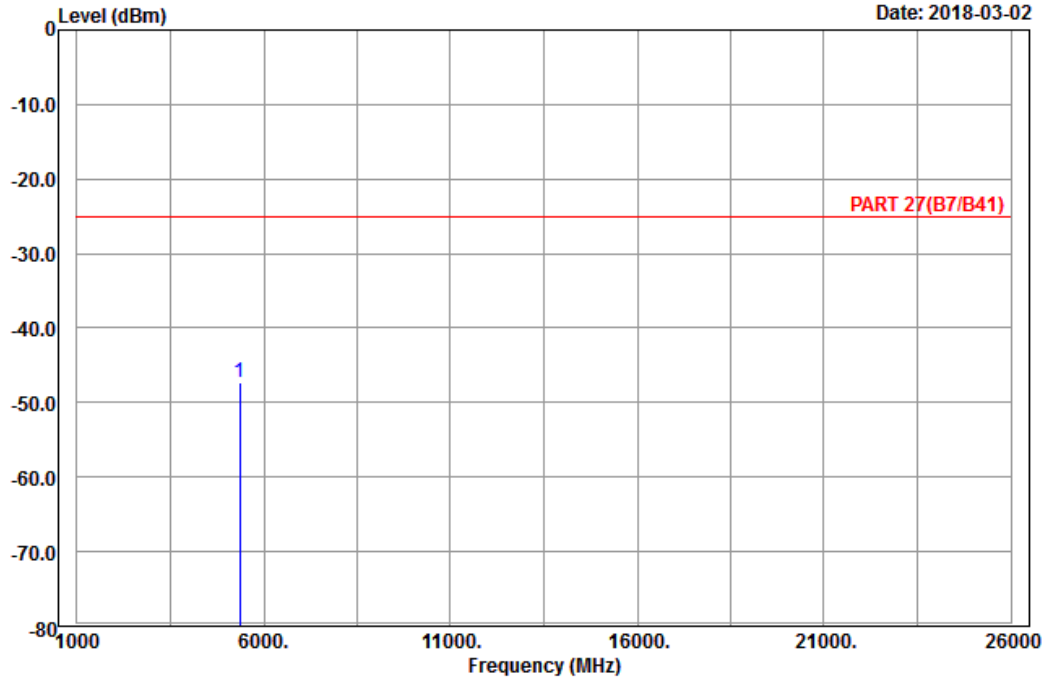


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH41490
 Tested by: Charles Hsiao

Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5360.00	-47.19	-67.49	-25.00	-22.19	20.30	Peak

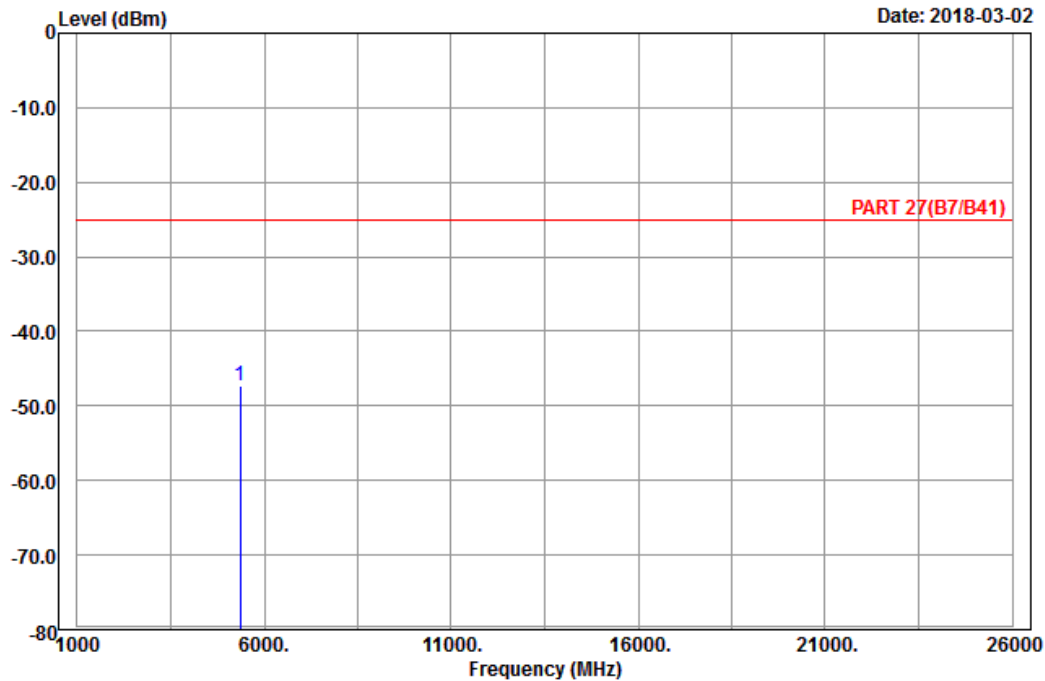


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-02



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH41490
 Tested by: Charles Hsiao

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 5360.00	-47.22	-67.52	-25.00	-22.22	20.30	Peak

<Mode B>

LTE Band 7

Channel Bandwidth: 20 MHz / QPSK

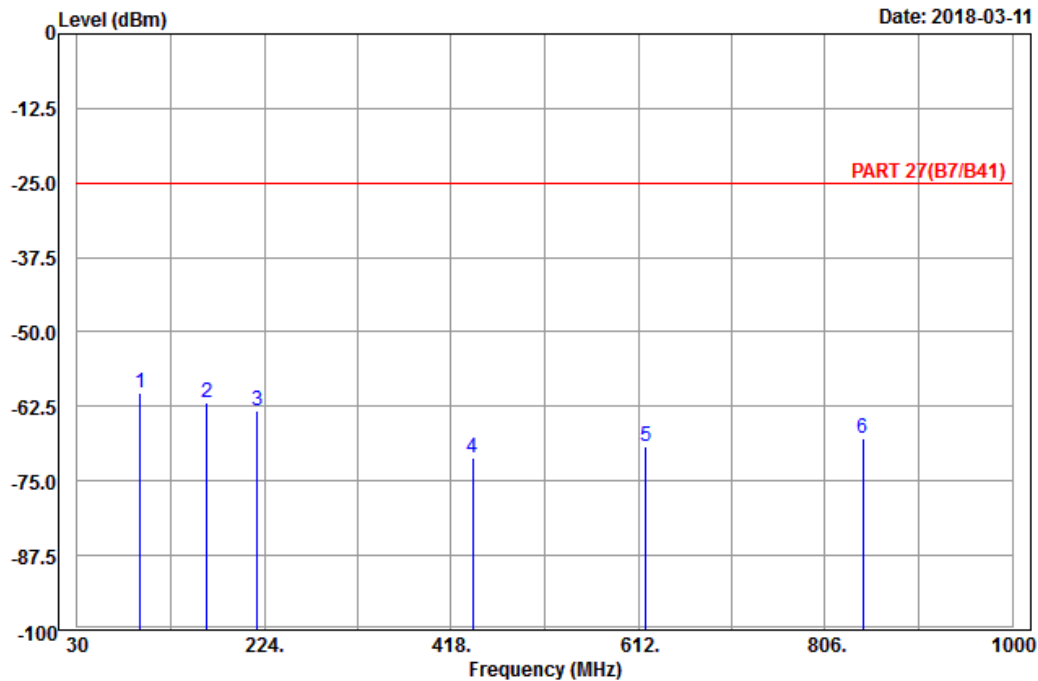
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Charles Hsiao

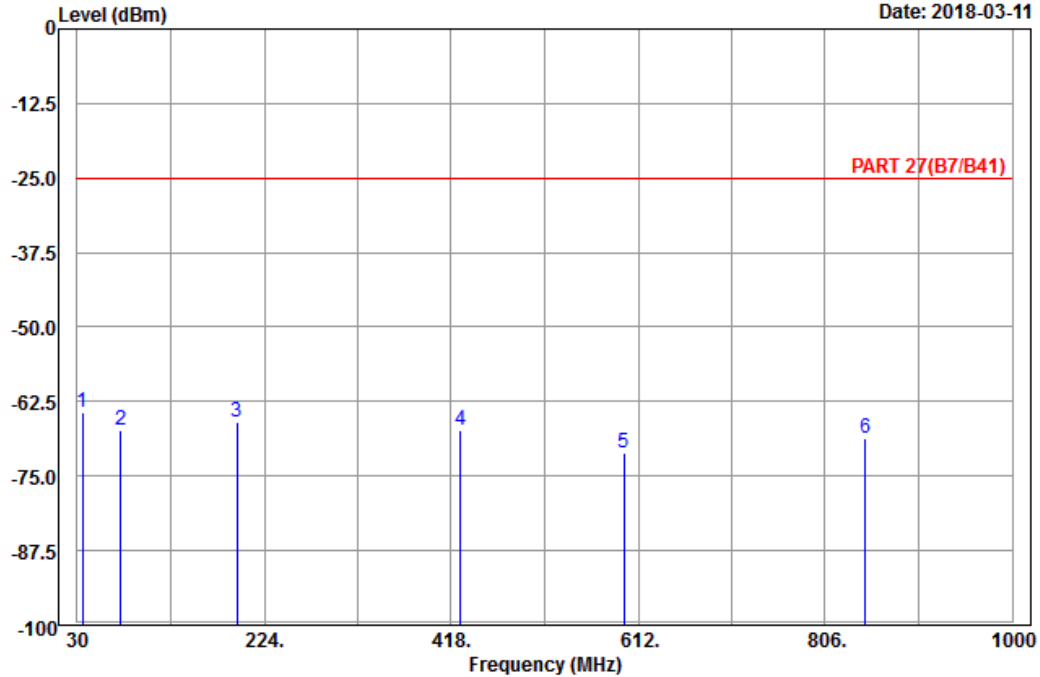
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	95.07	-60.32	-49.92	-25.00	-35.32	-10.40	Peak
2	164.73	-61.86	-54.67	-25.00	-36.86	-7.19	Peak
3	216.84	-63.25	-57.30	-25.00	-38.25	-5.95	Peak
4	440.00	-71.04	-67.41	-25.00	-46.04	-3.63	Peak
5	619.90	-69.32	-69.53	-25.00	-44.32	0.21	Peak
6	845.30	-67.83	-69.32	-25.00	-42.83	1.49	Peak



A D T

Data: 6

Date: 2018-03-11



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 7_Link_CH21100
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	35.67	-64.40	-53.68	-25.00	-39.40	-10.72	Peak
2	75.09	-67.22	-54.95	-25.00	-42.22	-12.27	Peak
3	195.51	-66.07	-60.07	-25.00	-41.07	-6.00	Peak
4	427.40	-67.42	-64.06	-25.00	-42.42	-3.36	Peak
5	597.50	-71.05	-71.36	-25.00	-46.05	0.31	Peak
6	848.10	-68.68	-70.15	-25.00	-43.68	1.47	Peak

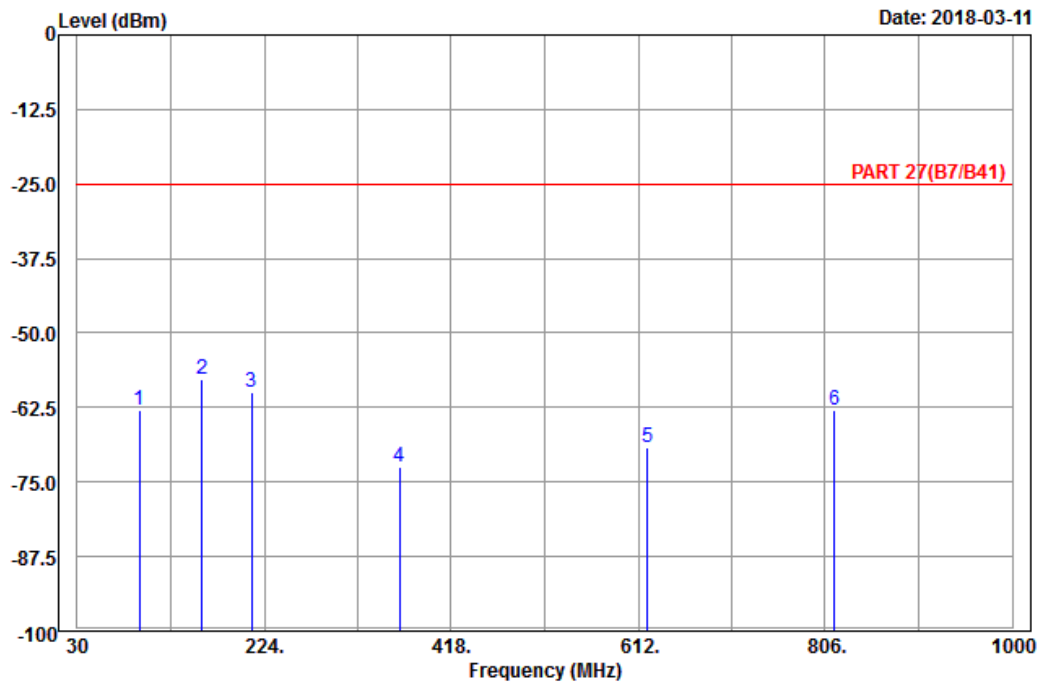
LTE Band 38
Channel Bandwidth: 20 MHz / QPSK
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B7/B41) Horizontal
Remark : LTE_Band 38_Link_CH38000
Tested by: Charles Hsiao

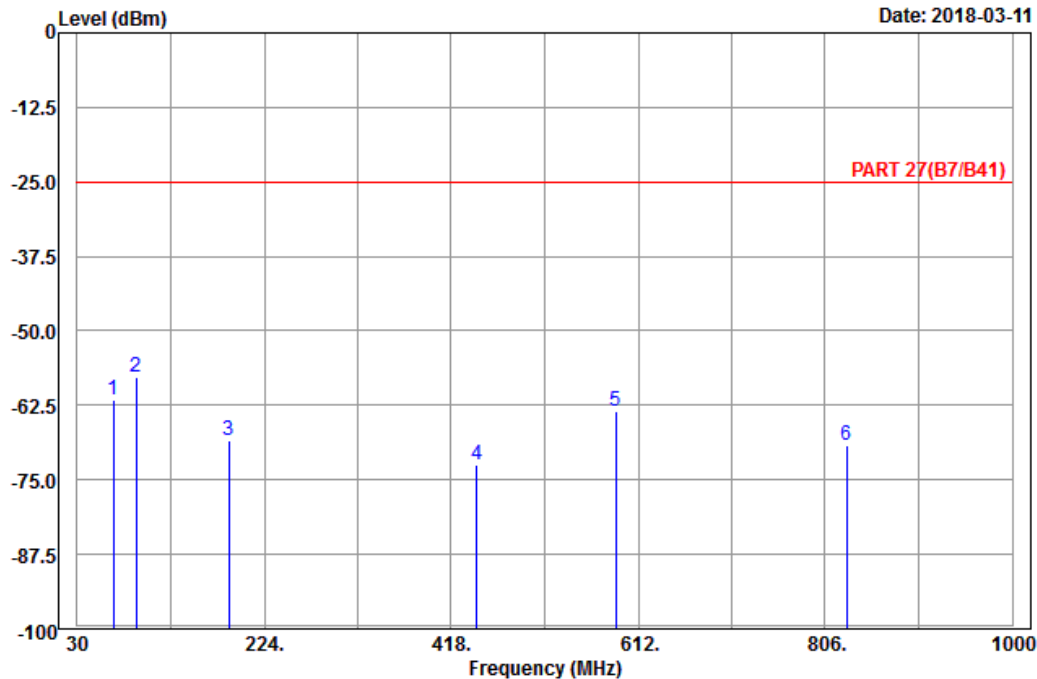
	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	
MHz	dBm	dBm	dBm	dB	dB		
1	94.53	-62.89	-52.49	-25.00	-37.89	-10.40	Peak
2 pp	159.87	-57.72	-50.05	-25.00	-32.72	-7.67	Peak
3	210.63	-59.84	-53.80	-25.00	-34.84	-6.04	Peak
4	364.40	-72.58	-67.98	-25.00	-47.58	-4.60	Peak
5	622.00	-69.28	-69.46	-25.00	-44.28	0.18	Peak
6	815.90	-63.05	-64.88	-25.00	-38.05	1.83	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 38_Link_CH38000
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	67.26	-61.68	-48.58	-25.00	-36.68	-13.10	Peak
2	pp 91.56	-57.70	-47.08	-25.00	-32.70	-10.62	Peak
3	187.41	-68.53	-62.84	-25.00	-43.53	-5.69	Peak
4	444.20	-72.52	-68.80	-25.00	-47.52	-3.72	Peak
5	588.40	-63.44	-63.39	-25.00	-38.44	-0.05	Peak
6	828.50	-69.19	-70.88	-25.00	-44.19	1.69	Peak

LTE Band 41
 Channel Bandwidth: 20 MHz / QPSK
 Middle Channel

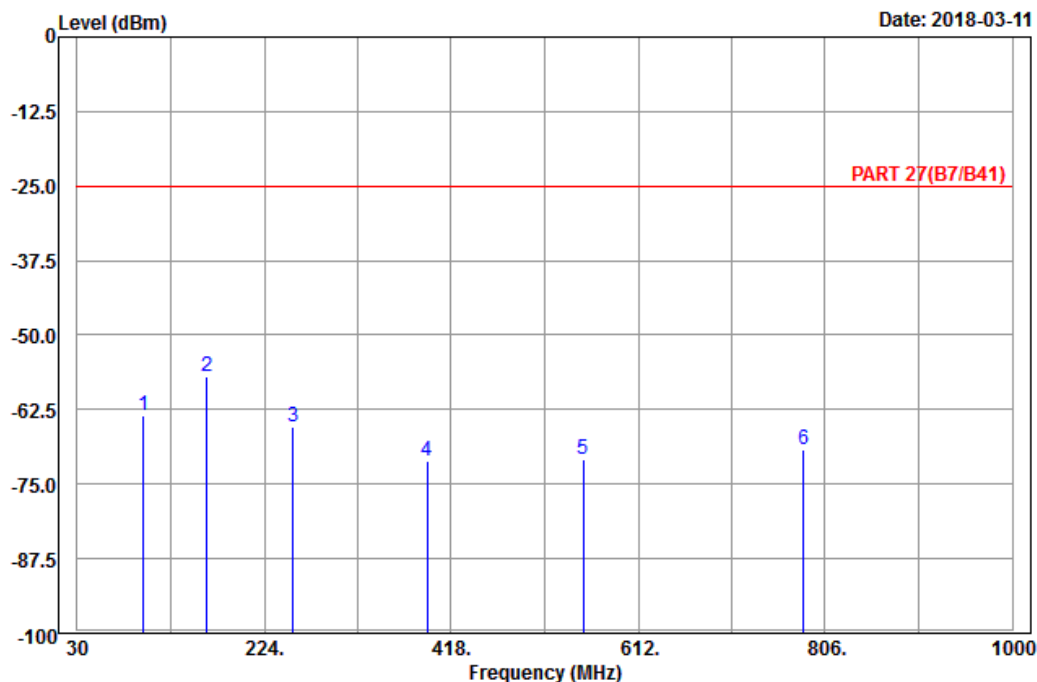


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-11



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Horizontal
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

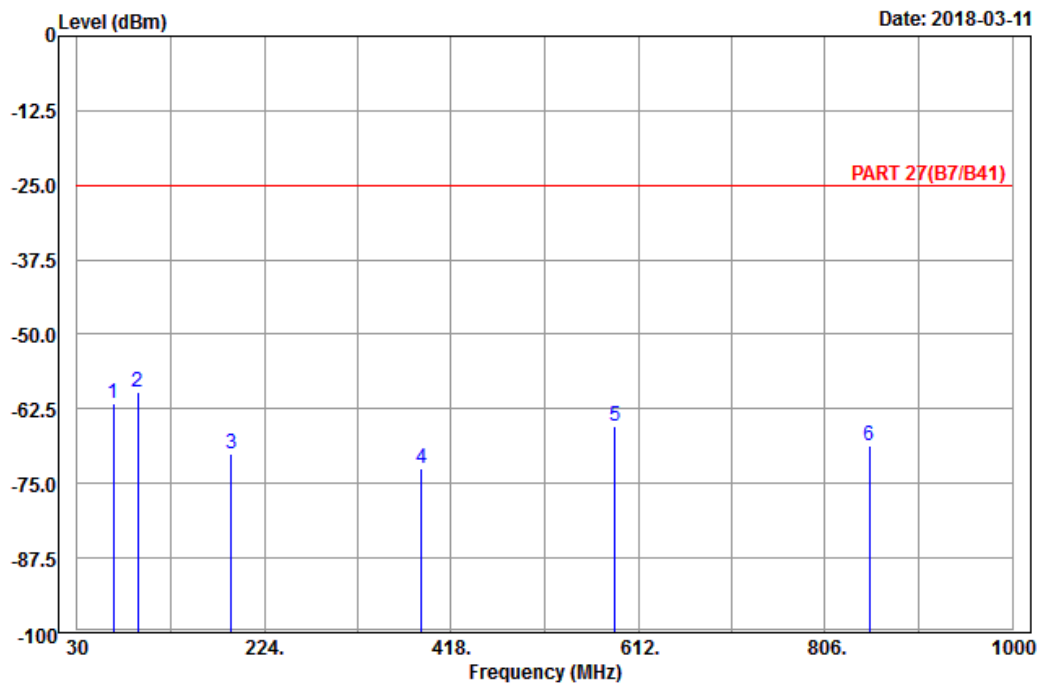
	Freq	Level	Read Level	Limit	Over	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	98.58	-63.57	-53.39	-25.00	-38.57	-10.18	Peak
2	pp 164.19	-56.87	-49.59	-25.00	-31.87	-7.28	Peak
3	253.56	-65.46	-59.93	-25.00	-40.46	-5.53	Peak
4	393.10	-71.18	-68.08	-25.00	-46.18	-3.10	Peak
5	554.80	-70.95	-69.49	-25.00	-45.95	-1.46	Peak
6	783.70	-69.32	-70.24	-25.00	-44.32	0.92	Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B7/B41) Vertical
 Remark : LTE_Band 41_Link_CH40620
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	67.26	-61.68	-48.58	-25.00	-36.68	-13.10	Peak
2	pp 92.64	-59.68	-49.17	-25.00	-34.68	-10.51	Peak
3	190.11	-70.12	-64.39	-25.00	-45.12	-5.73	Peak
4	386.80	-72.37	-68.96	-25.00	-47.37	-3.41	Peak
5	587.70	-65.41	-65.31	-25.00	-40.41	-0.10	Peak
6	851.60	-68.59	-70.09	-25.00	-43.59	1.50	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

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Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

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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.

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