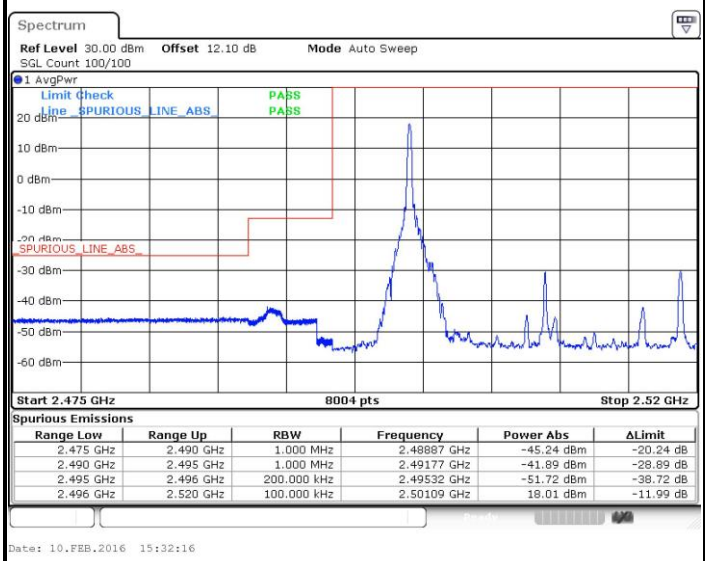
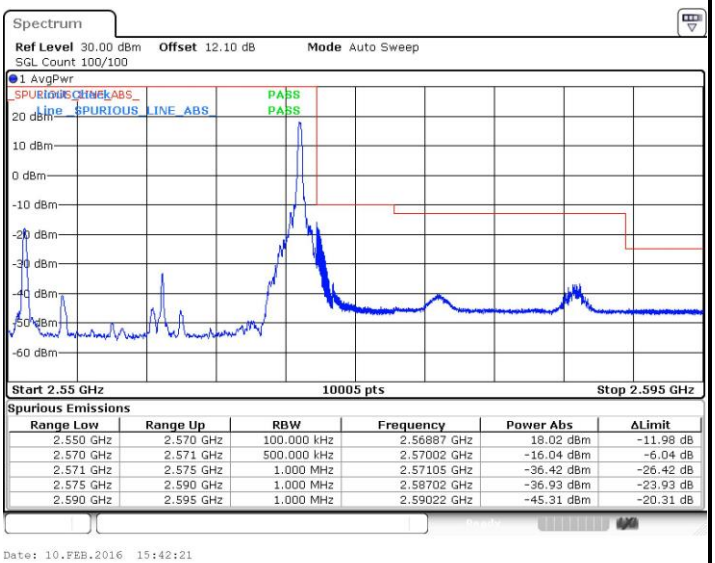
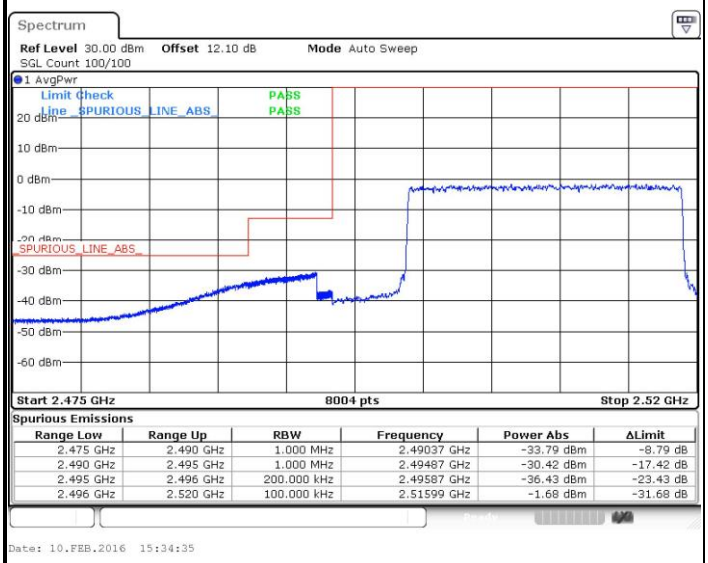
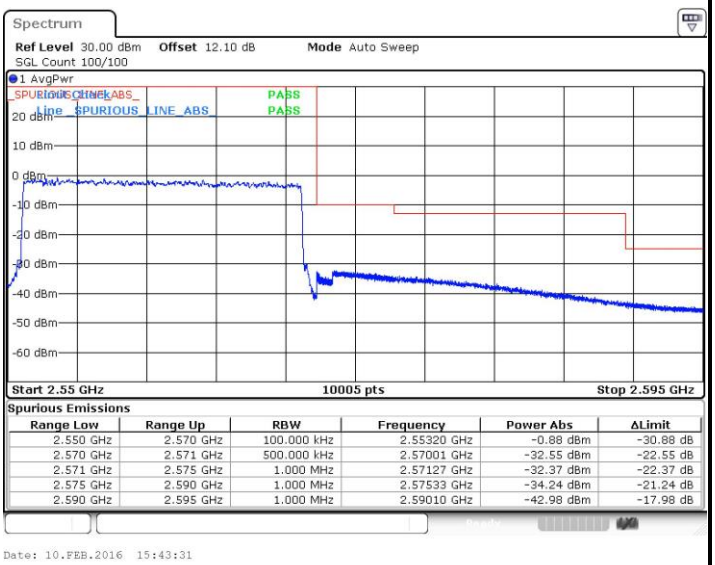
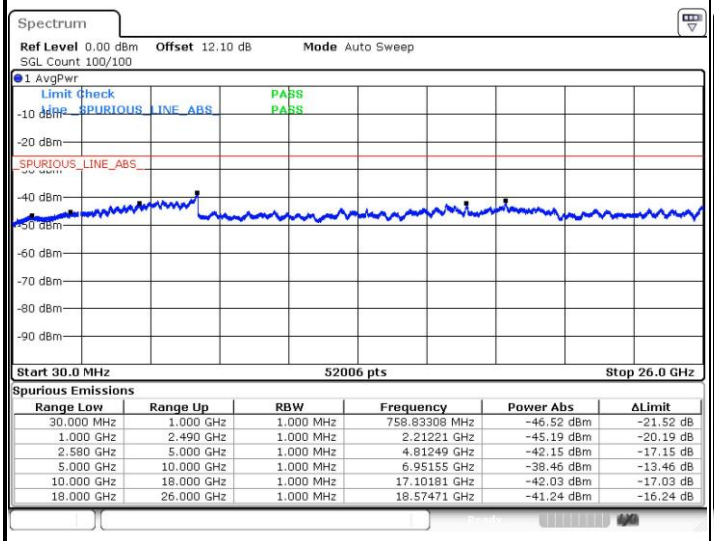
LTE Band 7 / 20MHz / 16QAM	
Lowest Band Edge /1 RB	**Highest Band Edge / 1RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

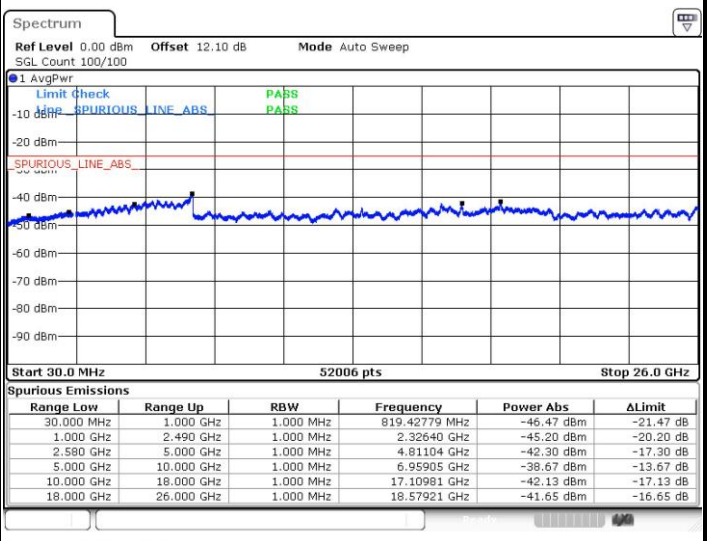


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	758.83308 MHz	-46.52 dBm	-21.52 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21221 GHz	-45.19 dBm	-20.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81249 GHz	-42.15 dBm	-17.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95155 GHz	-38.46 dBm	-13.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10181 GHz	-42.03 dBm	-17.03 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57471 GHz	-41.24 dBm	-16.24 dB

Date: 10.FEB.2016 14:42:51

Lowest Channel / 16QAM

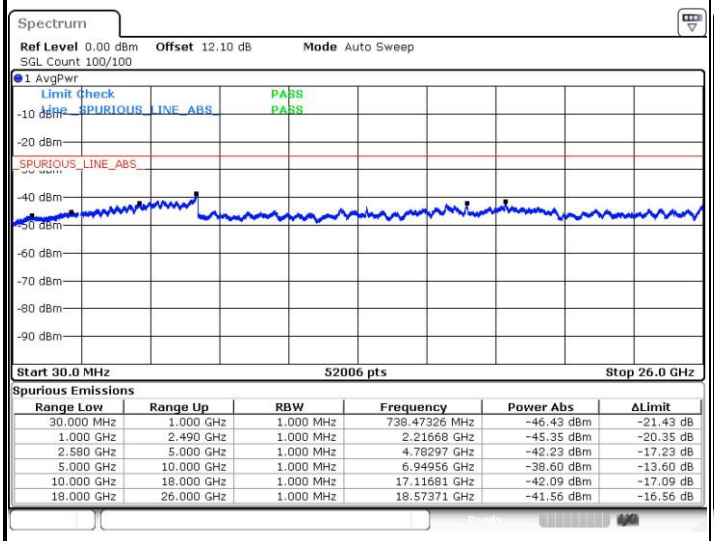


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	819.42779 MHz	-46.47 dBm	-21.47 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32640 GHz	-45.20 dBm	-20.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81104 GHz	-42.30 dBm	-17.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95905 GHz	-38.67 dBm	-13.67 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10981 GHz	-42.13 dBm	-17.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57921 GHz	-41.65 dBm	-16.65 dB

Date: 10.FEB.2016 15:54:21

Middle Channel / QPSK

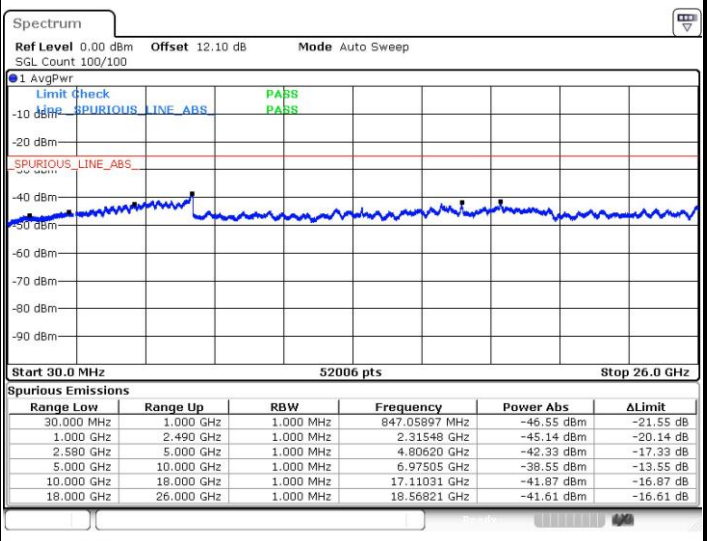


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	738.47326 MHz	-46.43 dBm	-21.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21668 GHz	-45.35 dBm	-20.35 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78297 GHz	-42.23 dBm	-17.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94956 GHz	-38.60 dBm	-13.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11681 GHz	-42.09 dBm	-17.09 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57371 GHz	-41.56 dBm	-16.56 dB

Date: 10.FEB.2016 14:45:33

Middle Channel / 16QAM



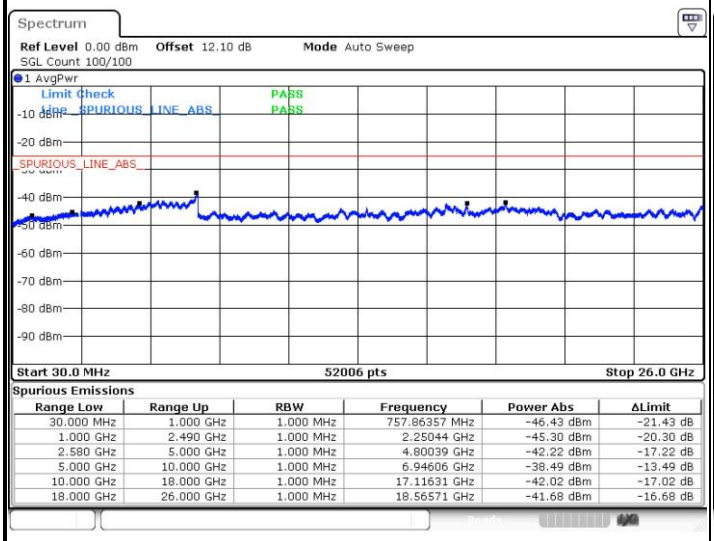
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.05897 MHz	-46.55 dBm	-21.55 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31548 GHz	-45.14 dBm	-20.14 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80620 GHz	-42.33 dBm	-17.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97505 GHz	-38.55 dBm	-13.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11031 GHz	-41.87 dBm	-16.87 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56821 GHz	-41.61 dBm	-16.61 dB

Date: 10.FEB.2016 14:46:31

LTE Band 7 / 5MHz

Highest Channel / QPSK

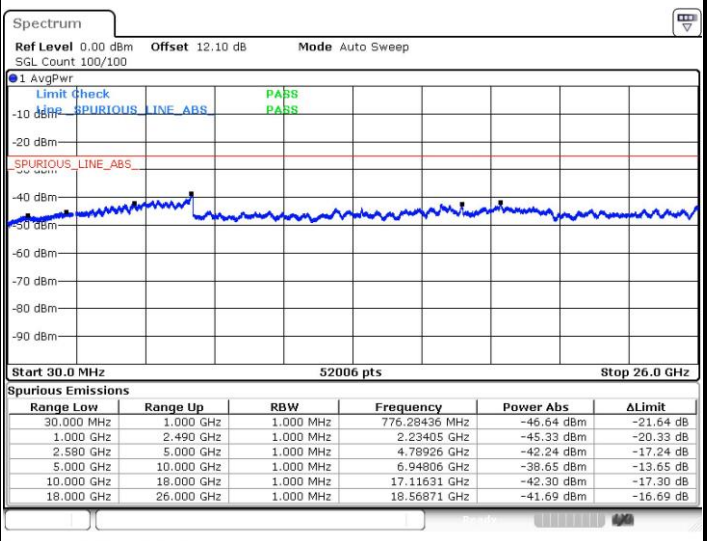


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	757.86357 MHz	-46.43 dBm	-21.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.25044 GHz	-45.30 dBm	-20.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80039 GHz	-42.22 dBm	-17.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94606 GHz	-38.49 dBm	-13.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11631 GHz	-42.02 dBm	-17.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56571 GHz	-41.68 dBm	-16.68 dB

Date: 10.FEB.2016 14:52:55

Highest Channel / 16QAM



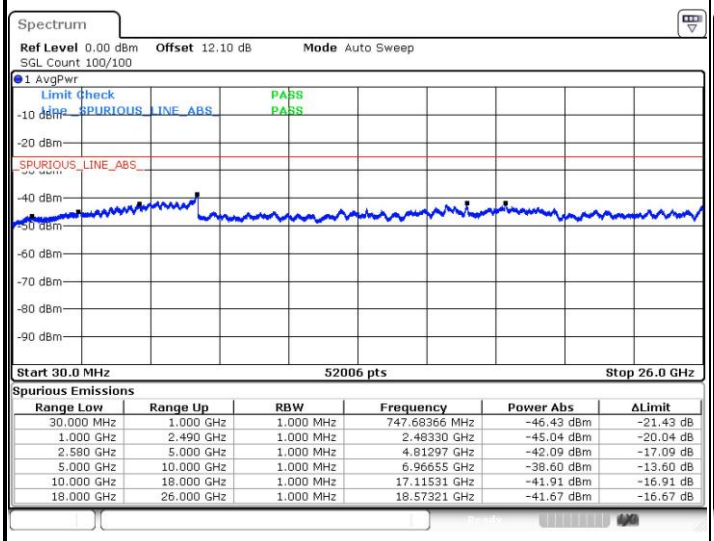
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	776.28436 MHz	-46.64 dBm	-21.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.23405 GHz	-45.33 dBm	-20.33 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78926 GHz	-42.24 dBm	-17.24 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94806 GHz	-38.65 dBm	-13.65 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11631 GHz	-42.30 dBm	-17.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56871 GHz	-41.69 dBm	-16.69 dB

Date: 10.FEB.2016 14:53:53

LTE Band 7 / 10MHz

Lowest Channel / QPSK

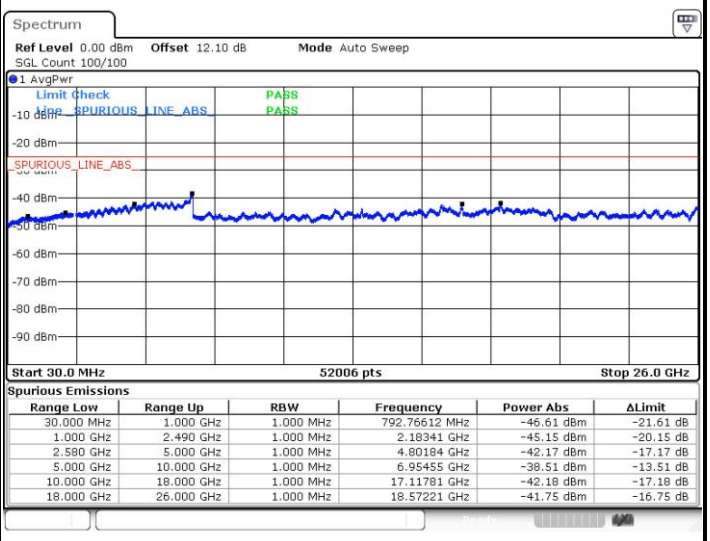


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	747.68366 MHz	-46.43 dBm	-21.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-45.04 dBm	-20.04 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81297 GHz	-42.09 dBm	-17.09 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96655 GHz	-38.60 dBm	-13.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11531 GHz	-41.91 dBm	-16.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57321 GHz	-41.67 dBm	-16.67 dB

Date: 10.FEB.2016 15:00:38

Lowest Channel / 16QAM



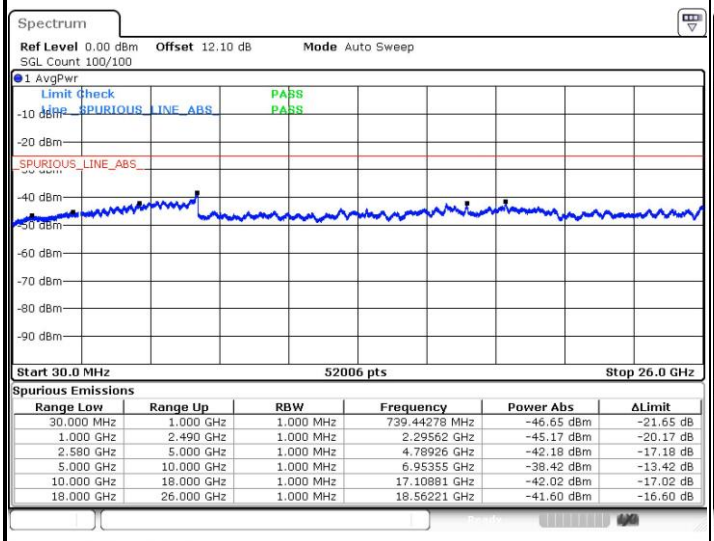
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	792.76612 MHz	-46.61 dBm	-21.61 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.18341 GHz	-45.15 dBm	-20.15 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80184 GHz	-42.17 dBm	-17.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95455 GHz	-38.51 dBm	-13.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11781 GHz	-42.18 dBm	-17.18 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.75 dBm	-16.75 dB

Date: 10.FEB.2016 15:01:36

LTE Band 7 / 10MHz

Middle Channel / QPSK

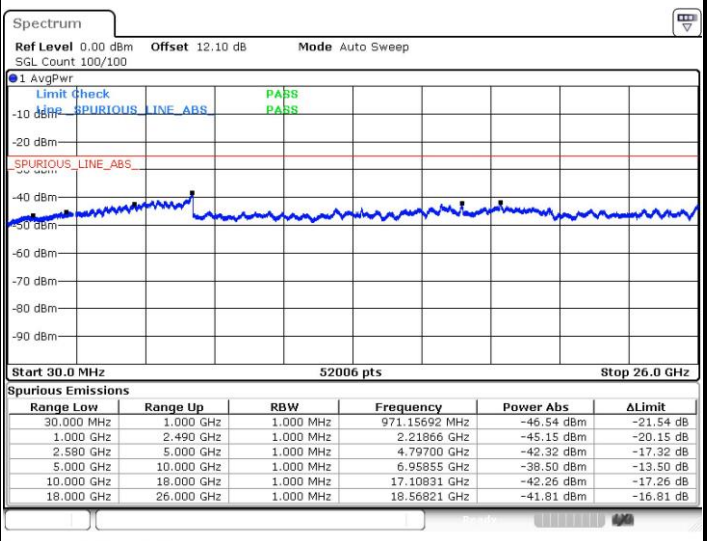


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	739.44278 MHz	-46.65 dBm	-21.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29562 GHz	-45.17 dBm	-20.17 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78926 GHz	-42.18 dBm	-17.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95355 GHz	-38.42 dBm	-13.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10881 GHz	-42.02 dBm	-17.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56221 GHz	-41.60 dBm	-16.60 dB

Date: 10.FEB.2016 15:03:21

Middle Channel / 16QAM

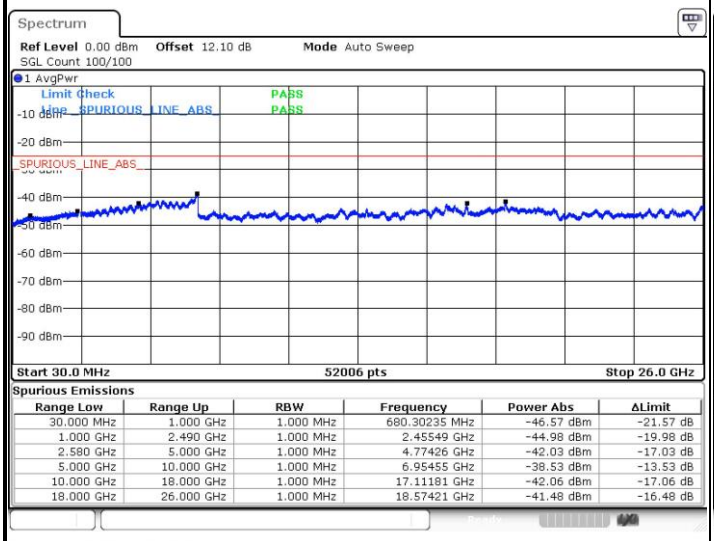


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-46.54 dBm	-21.54 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21866 GHz	-45.15 dBm	-20.15 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79700 GHz	-42.32 dBm	-17.32 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95855 GHz	-38.50 dBm	-13.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10831 GHz	-42.26 dBm	-17.26 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56821 GHz	-41.81 dBm	-16.81 dB

Date: 10.FEB.2016 15:04:18

Highest Channel / QPSK

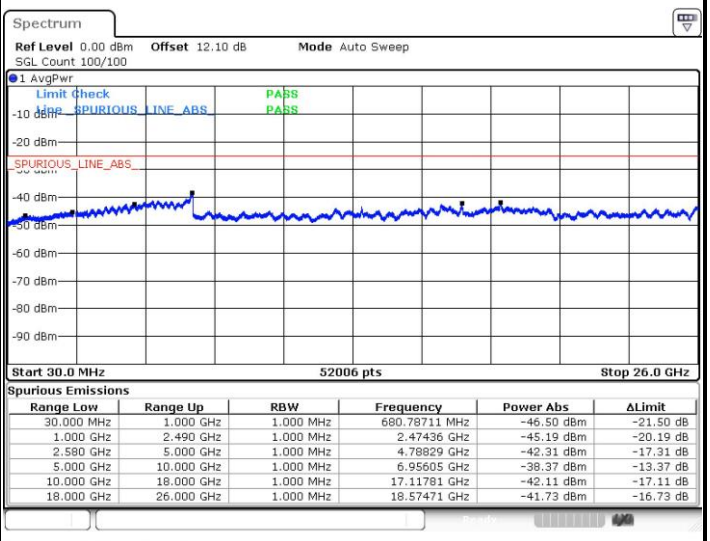


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	680.30235 MHz	-46.57 dBm	-21.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45549 GHz	-44.98 dBm	-19.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77426 GHz	-42.03 dBm	-17.03 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95455 GHz	-38.53 dBm	-13.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11181 GHz	-42.06 dBm	-17.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57421 GHz	-41.48 dBm	-16.48 dB

Date: 10.FEB.2016 15:10:43

Highest Channel / 16QAM



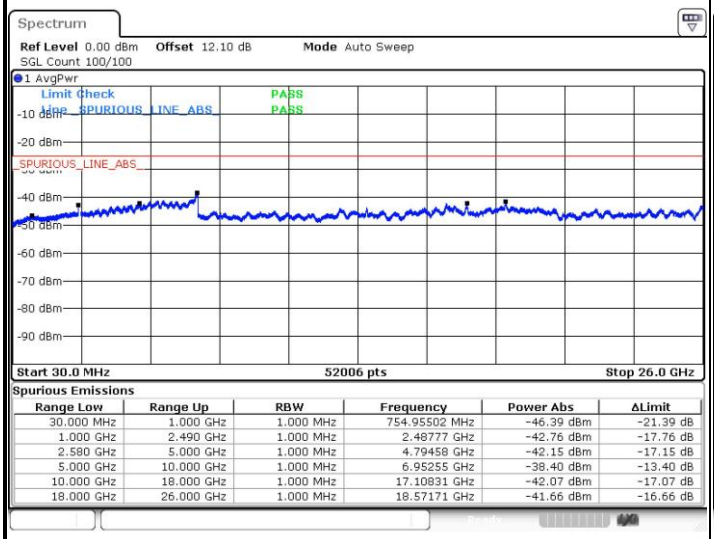
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	680.78711 MHz	-46.50 dBm	-21.50 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47436 GHz	-45.19 dBm	-20.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78829 GHz	-42.31 dBm	-17.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95605 GHz	-38.37 dBm	-13.37 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11781 GHz	-42.11 dBm	-17.11 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57471 GHz	-41.73 dBm	-16.73 dB

Date: 10.FEB.2016 15:11:41

LTE Band 7 / 15MHz

Lowest Channel / QPSK

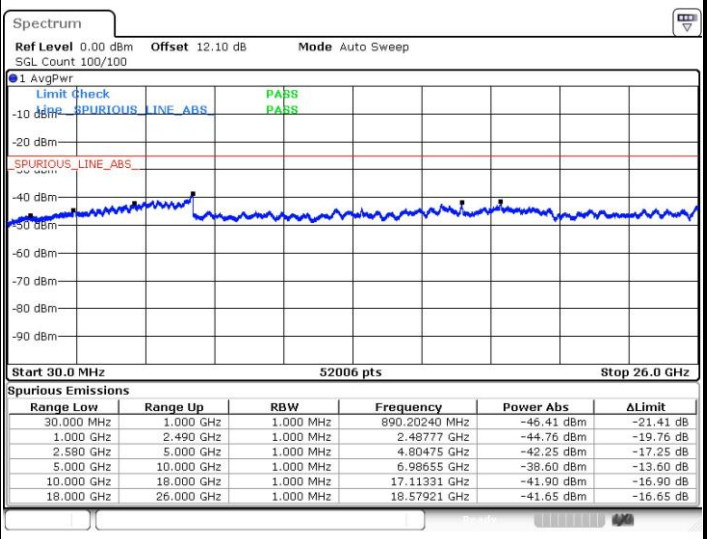


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	754.95502 MHz	-46.39 dBm	-21.39 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-42.76 dBm	-17.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79458 GHz	-42.15 dBm	-17.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95255 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10831 GHz	-42.07 dBm	-17.07 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57171 GHz	-41.66 dBm	-16.66 dB

Date: 10.FEB.2016 15:18:05

Lowest Channel / 16QAM

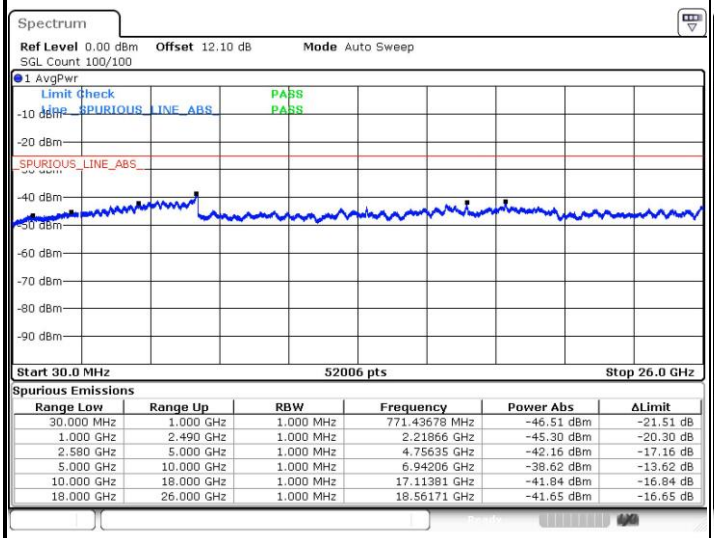


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-46.41 dBm	-21.41 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-44.76 dBm	-19.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80475 GHz	-42.25 dBm	-17.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98655 GHz	-38.60 dBm	-13.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11331 GHz	-41.90 dBm	-16.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57921 GHz	-41.65 dBm	-16.65 dB

Date: 10.FEB.2016 15:19:03

Middle Channel / QPSK

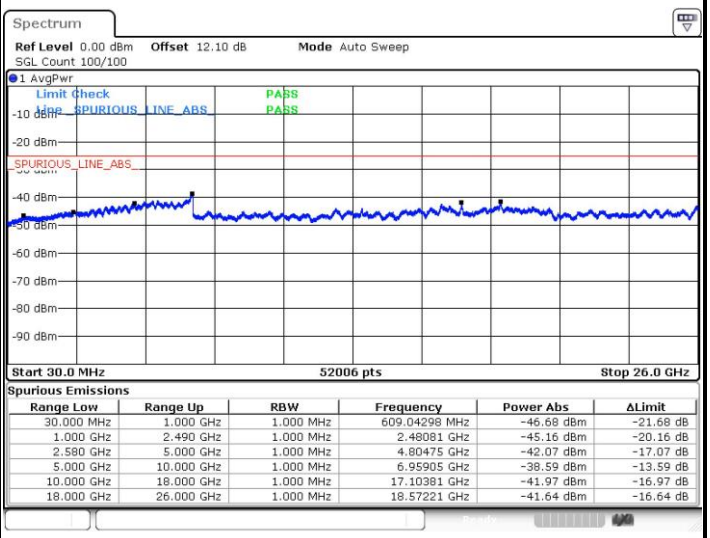


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	771.43678 MHz	-46.51 dBm	-21.51 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21866 GHz	-45.30 dBm	-20.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.75635 GHz	-42.16 dBm	-17.16 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94206 GHz	-38.62 dBm	-13.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11381 GHz	-41.84 dBm	-16.84 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56171 GHz	-41.65 dBm	-16.65 dB

Date: 10.FEB.2016 15:20:47

Middle Channel / 16QAM



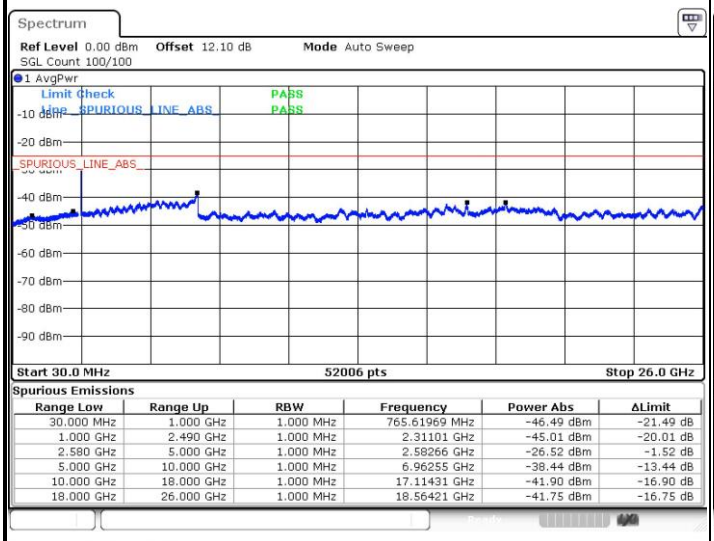
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	609.04298 MHz	-46.68 dBm	-21.68 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48081 GHz	-45.16 dBm	-20.16 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80475 GHz	-42.07 dBm	-17.07 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95905 GHz	-38.59 dBm	-13.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10381 GHz	-41.97 dBm	-16.97 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.64 dBm	-16.64 dB

Date: 10.FEB.2016 15:21:45

LTE Band7 / 15MHz

Highest Channel / QPSK

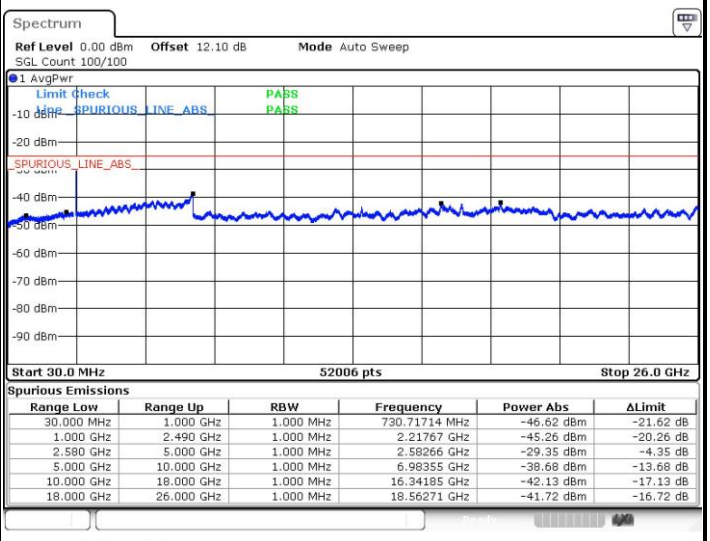


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	765.61969 MHz	-46.49 dBm	-21.49 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31101 GHz	-45.01 dBm	-20.01 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-26.52 dBm	-1.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96255 GHz	-38.44 dBm	-13.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11431 GHz	-41.90 dBm	-16.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56421 GHz	-41.75 dBm	-16.75 dB

Date: 10.FEB.2016 15:28:10

Highest Channel / 16QAM



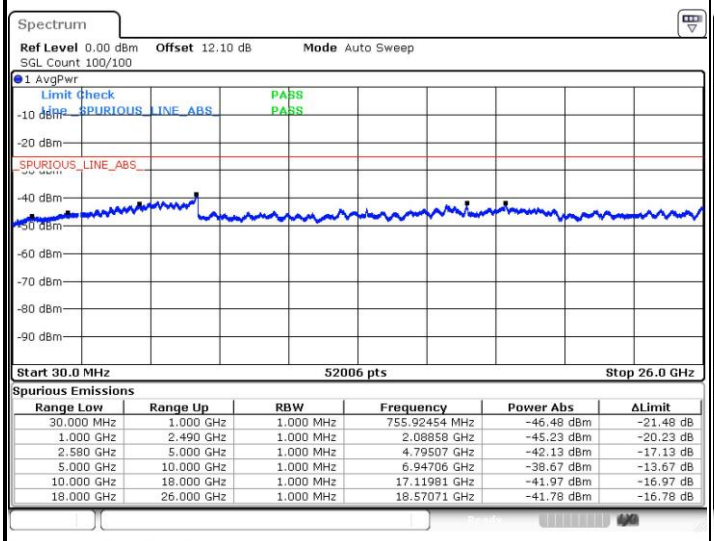
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	730.71714 MHz	-46.62 dBm	-21.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21767 GHz	-45.26 dBm	-20.26 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-29.35 dBm	-4.35 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98355 GHz	-38.68 dBm	-13.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34185 GHz	-42.13 dBm	-17.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56271 GHz	-41.72 dBm	-16.72 dB

Date: 10.FEB.2016 15:29:08

LTE Band 7 / 20MHz

Lowest Channel / QPSK

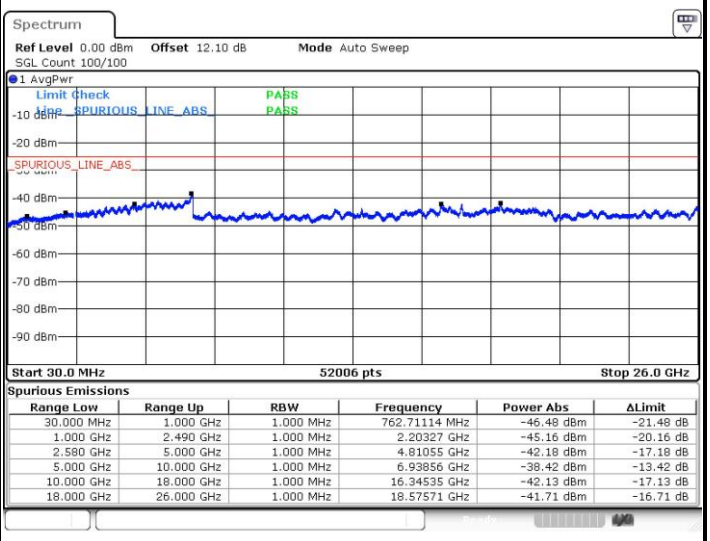


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	755.92454 MHz	-46.48 dBm	-21.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.08858 GHz	-45.23 dBm	-20.23 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79507 GHz	-42.13 dBm	-17.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94706 GHz	-38.67 dBm	-13.67 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11981 GHz	-41.97 dBm	-16.97 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57071 GHz	-41.78 dBm	-16.78 dB

Date: 10.FEB.2016 15:35:32

Lowest Channel / 16QAM



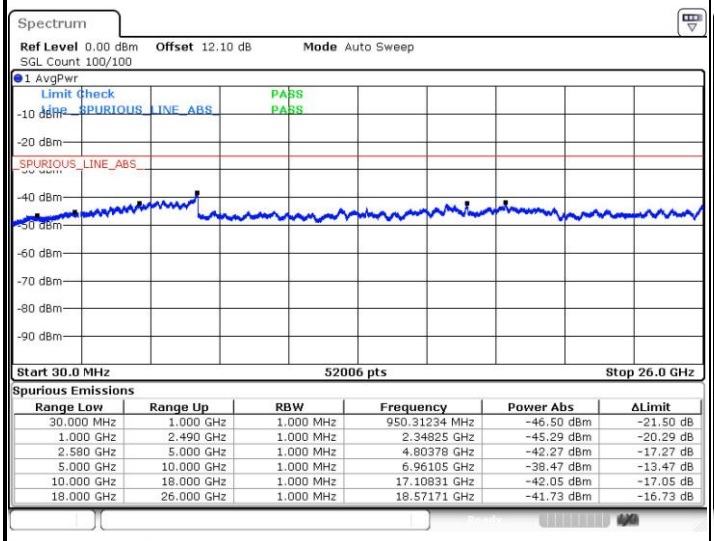
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	762.71114 MHz	-46.48 dBm	-21.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.20327 GHz	-45.16 dBm	-20.16 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81055 GHz	-42.18 dBm	-17.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93856 GHz	-38.42 dBm	-13.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34535 GHz	-42.13 dBm	-17.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57571 GHz	-41.71 dBm	-16.71 dB

Date: 10.FEB.2016 15:36:30

LTE Band 7 / 20MHz

Middle Channel / QPSK

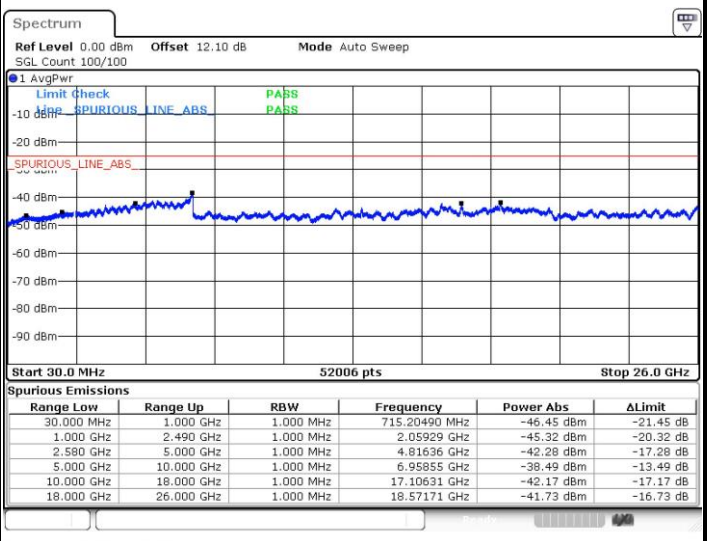


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-46.50 dBm	-21.50 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.34825 GHz	-45.29 dBm	-20.29 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80378 GHz	-42.27 dBm	-17.27 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96105 GHz	-38.47 dBm	-13.47 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10831 GHz	-42.05 dBm	-17.05 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57171 GHz	-41.73 dBm	-16.73 dB

Date: 10.FEB.2016 15:38:15

Middle Channel / 16QAM

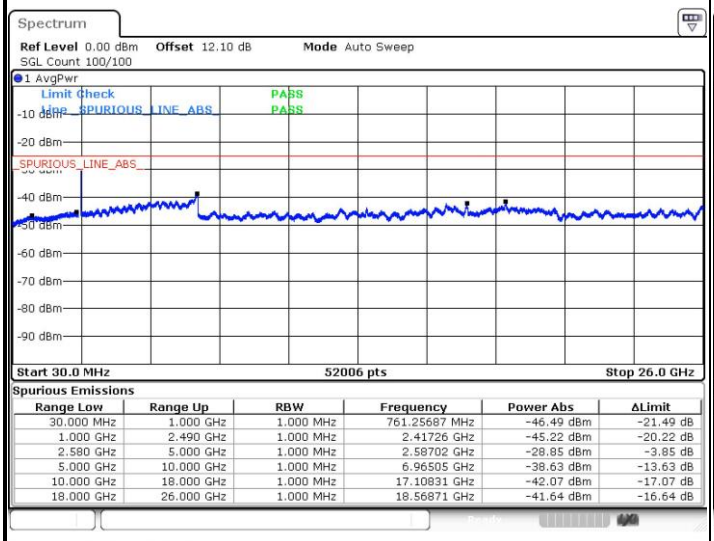


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	715.20490 MHz	-46.45 dBm	-21.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.05929 GHz	-45.32 dBm	-20.32 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81636 GHz	-42.28 dBm	-17.28 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95855 GHz	-38.49 dBm	-13.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10631 GHz	-42.17 dBm	-17.17 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57171 GHz	-41.73 dBm	-16.73 dB

Date: 10.FEB.2016 15:39:13

Highest Channel / QPSK

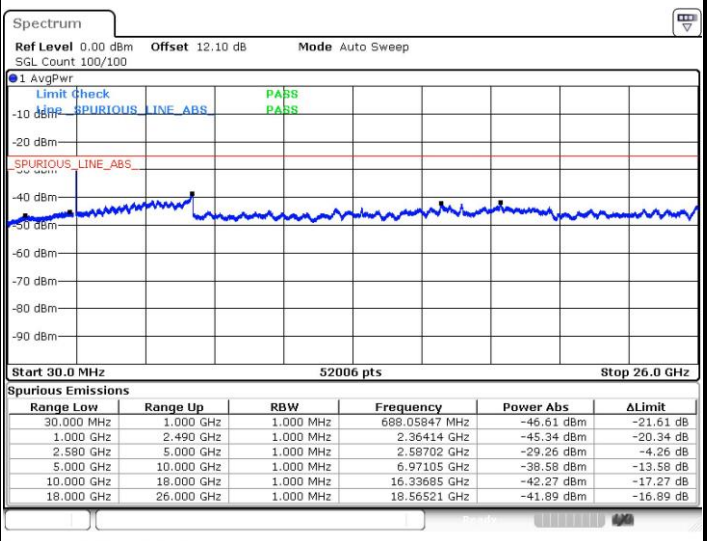


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	761.25687 MHz	-46.49 dBm	-21.49 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.41726 GHz	-45.22 dBm	-20.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-28.85 dBm	-3.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96505 GHz	-38.63 dBm	-13.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10831 GHz	-42.07 dBm	-17.07 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56871 GHz	-41.64 dBm	-16.64 dB

Date: 10.FEB.2016 15:45:37

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	688.05847 MHz	-46.61 dBm	-21.61 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.36414 GHz	-45.34 dBm	-20.34 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-29.26 dBm	-4.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97105 GHz	-38.58 dBm	-13.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33685 GHz	-42.27 dBm	-17.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56521 GHz	-41.89 dBm	-16.89 dB

Date: 10.FEB.2016 15:46:35

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

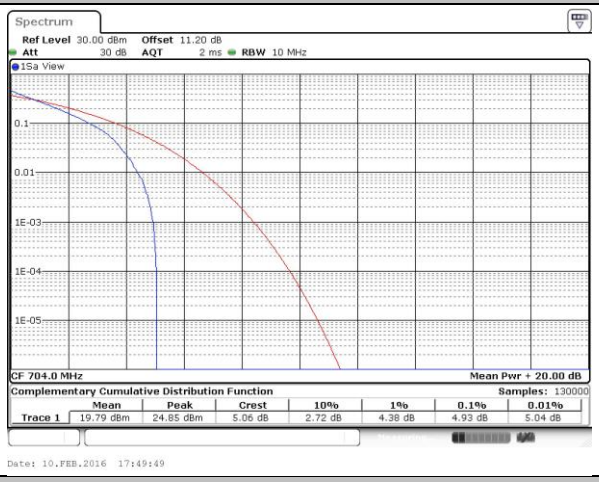
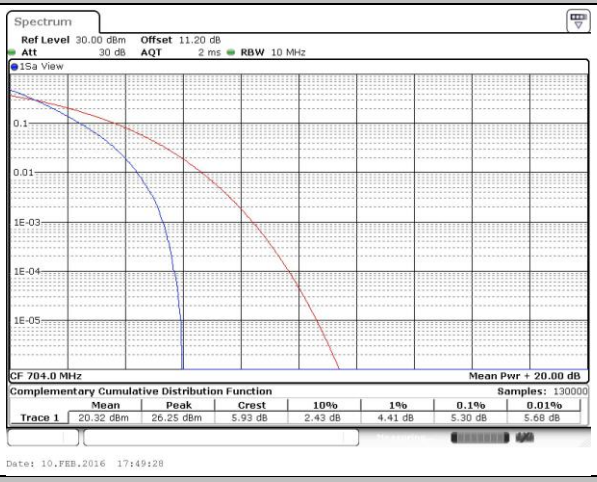
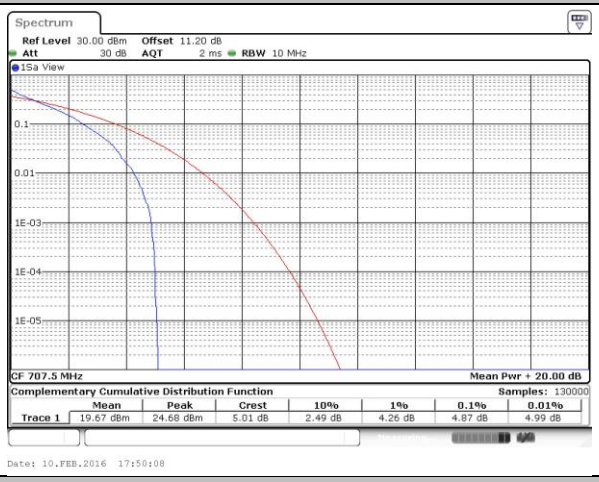
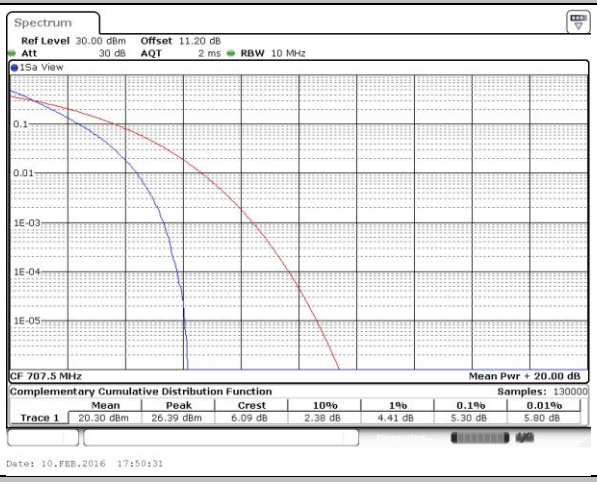
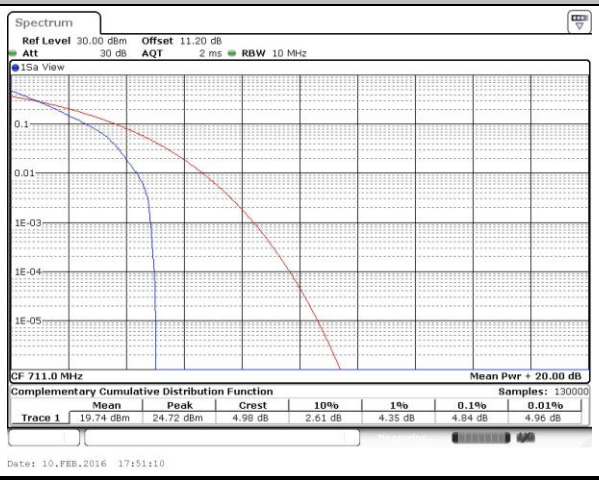
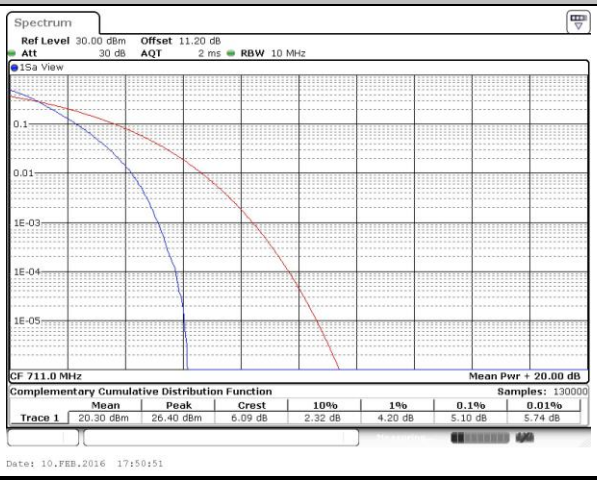
1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.1 V

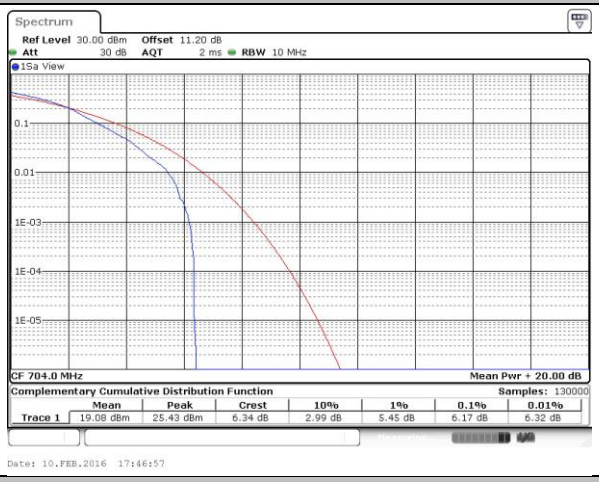
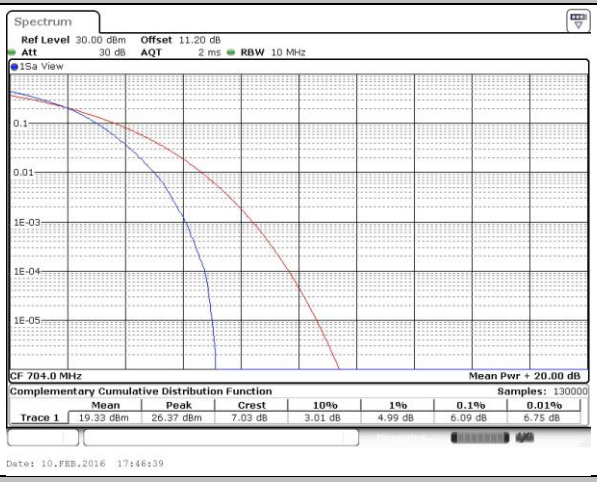
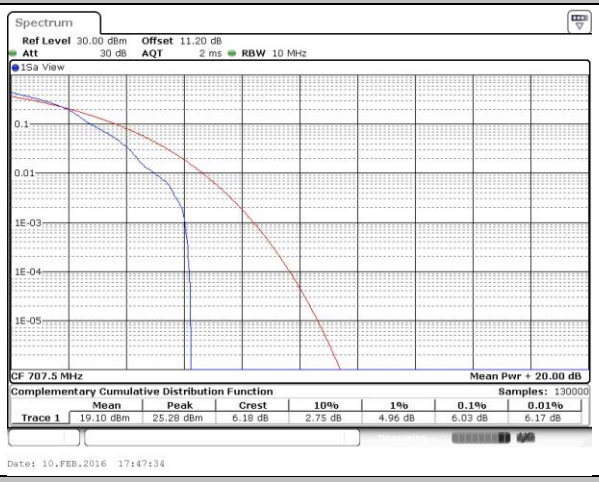
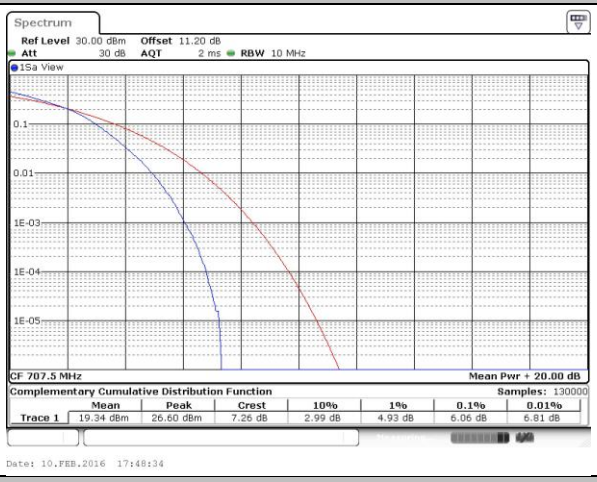
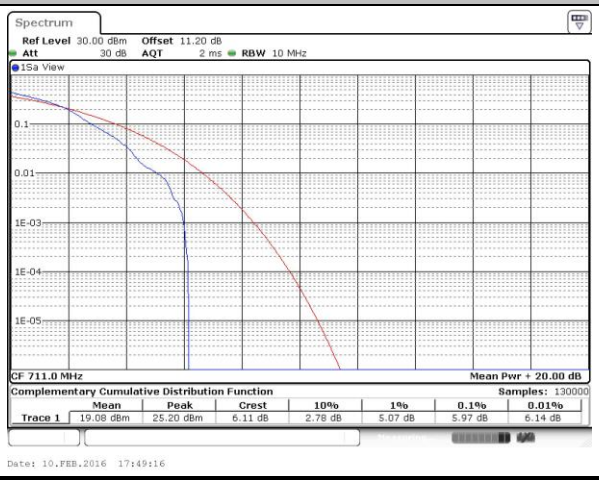
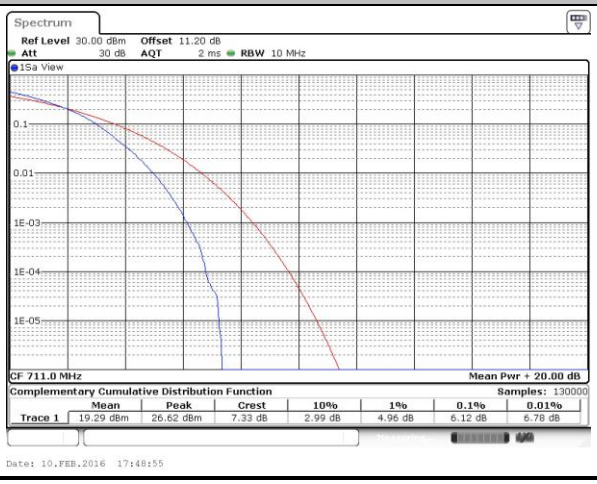
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.93	5.3	6.17	6.09	PASS
Middle CH	4.87	5.3	6.03	6.06	
Highest CH	4.84	5.1	5.97	6.12	

LTE Band 12 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

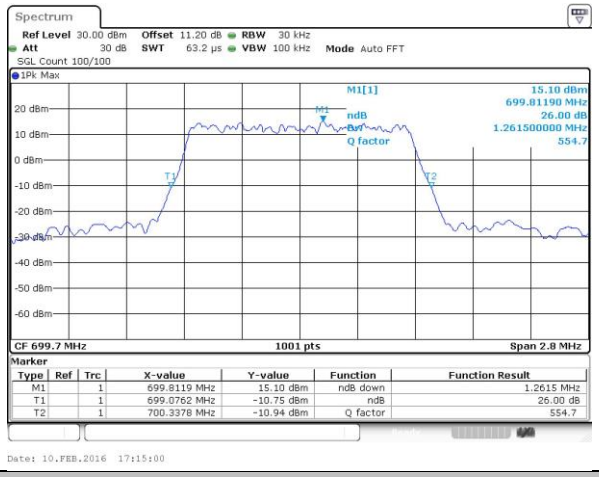
LTE Band 12 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

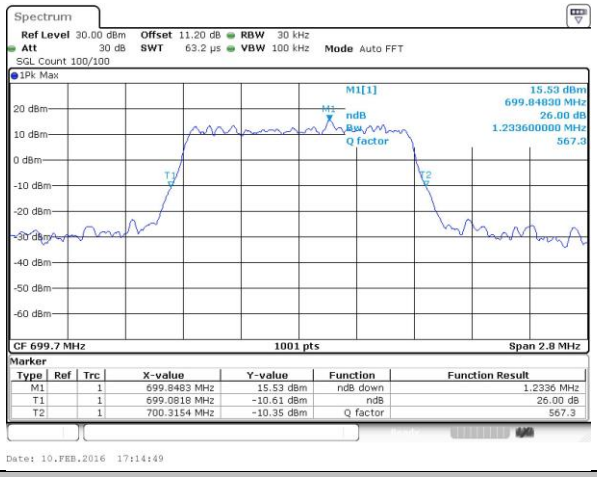
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.23	2.99	3.05	4.99	5.06	9.75	9.89	-	-	-	-
Middle CH	1.24	1.26	2.99	2.99	4.94	4.93	9.69	9.75	-	-	-	-
Highest CH	1.23	1.27	3.03	3.01	4.95	4.9	9.75	9.81	-	-	-	-

LTE Band 12

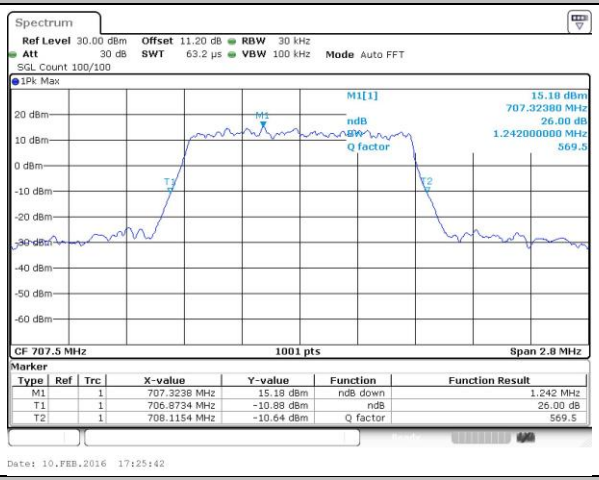
Lowest Channel / 1.4MHz / QPSK



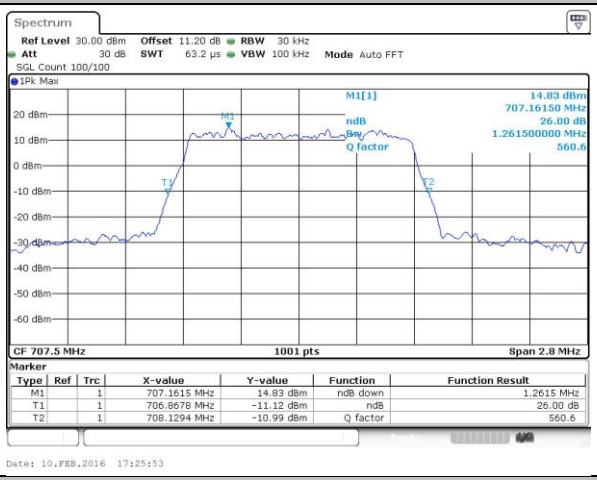
Lowest Channel / 1.4MHz / 16QAM



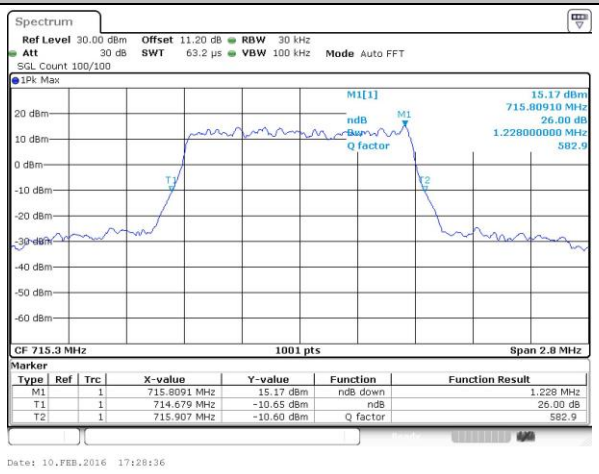
Middle Channel / 1.4MHz / QPSK



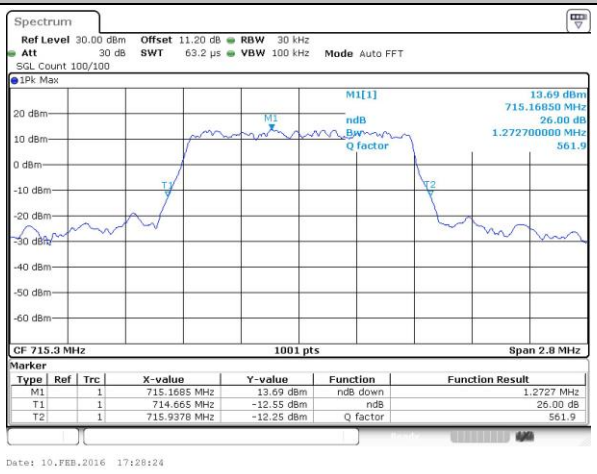
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

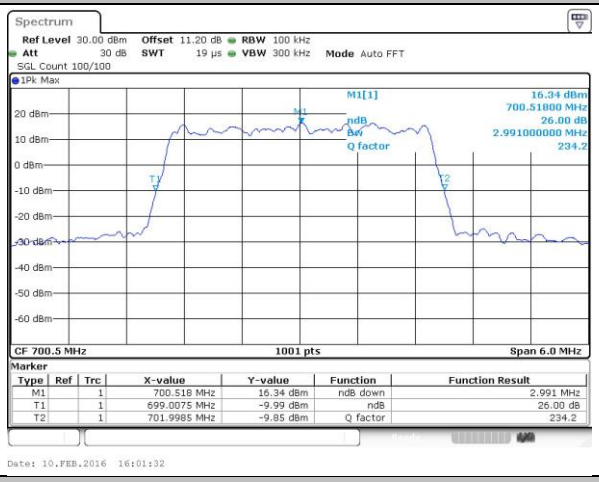


Highest Channel / 1.4MHz / 16QAM

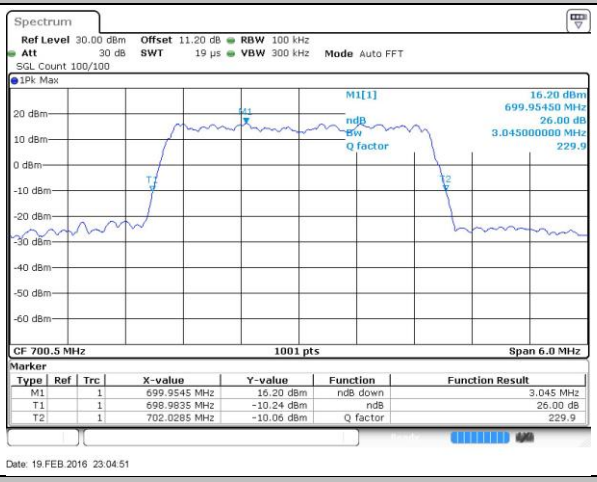


LTE Band 12

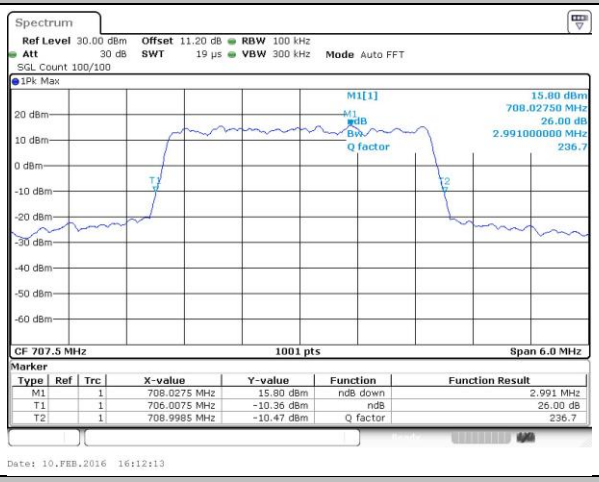
Lowest Channel / 3MHz / QPSK



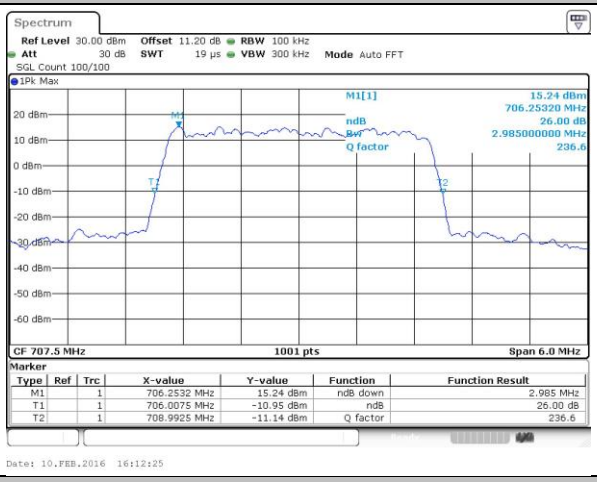
Lowest Channel / 3MHz / 16QAM



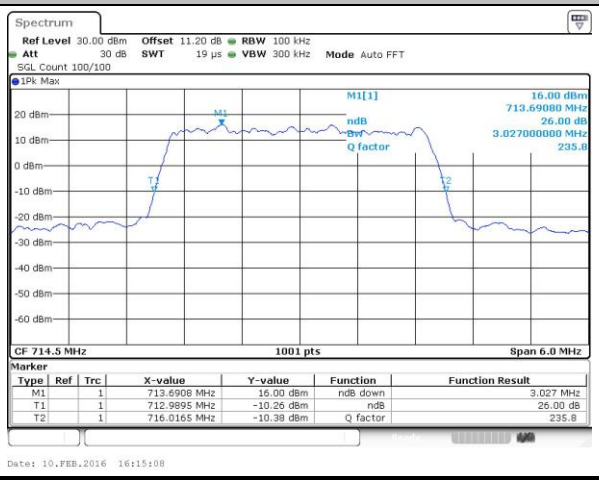
Middle Channel / 3MHz / QPSK



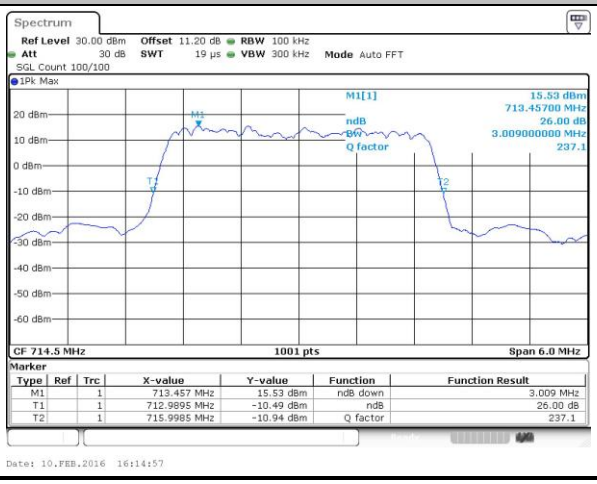
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

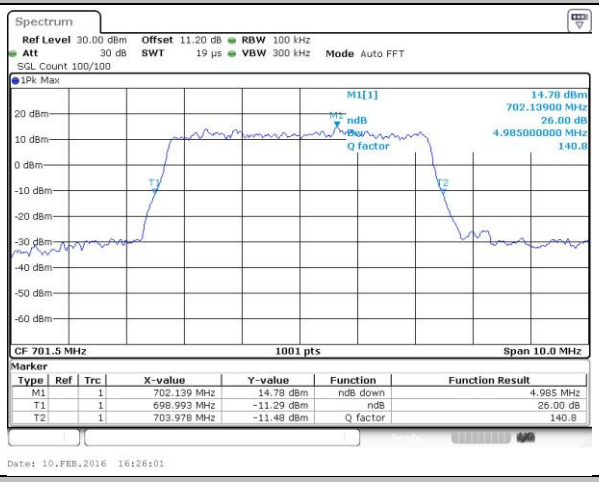


Highest Channel /3MHz / 16QAM

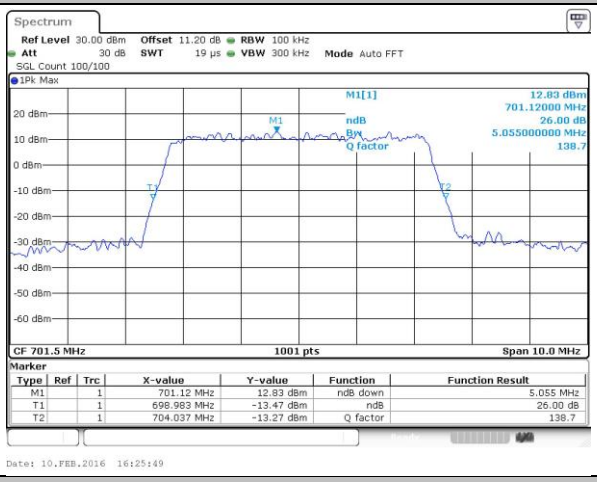


LTE Band 12

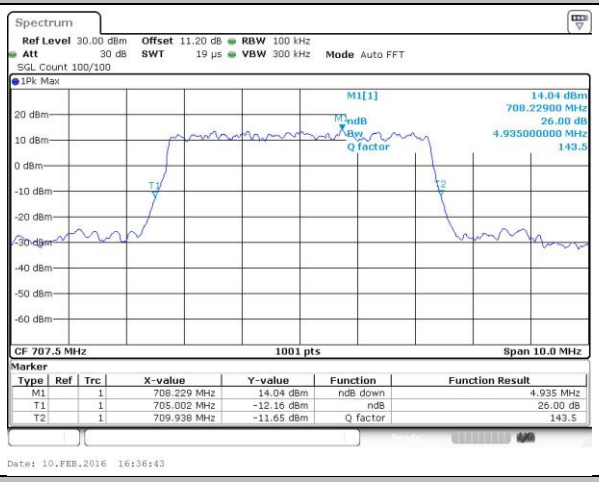
Lowest Channel / 5MHz / QPSK



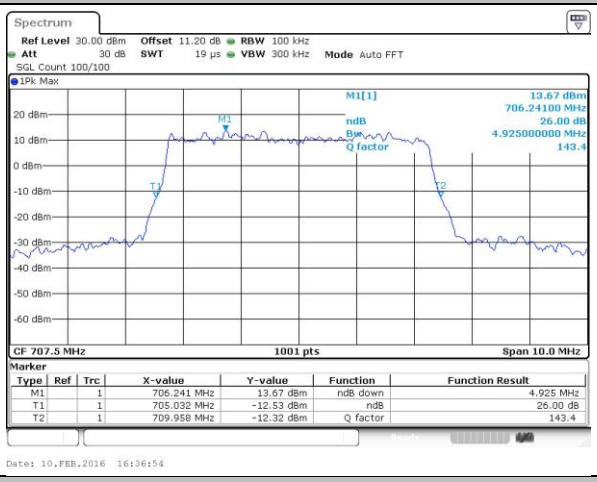
Lowest Channel / 5MHz / 16QAM



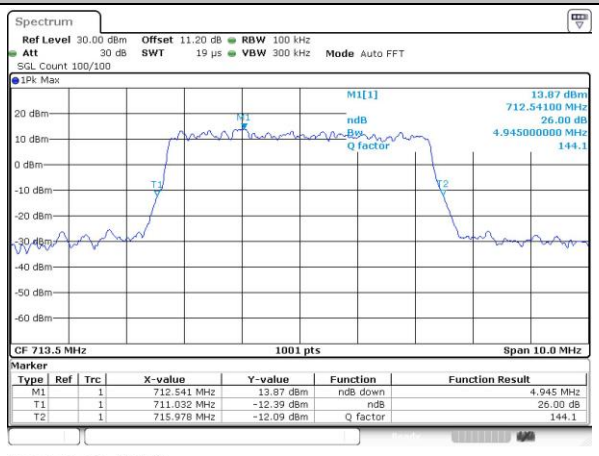
Middle Channel / 5MHz / QPSK



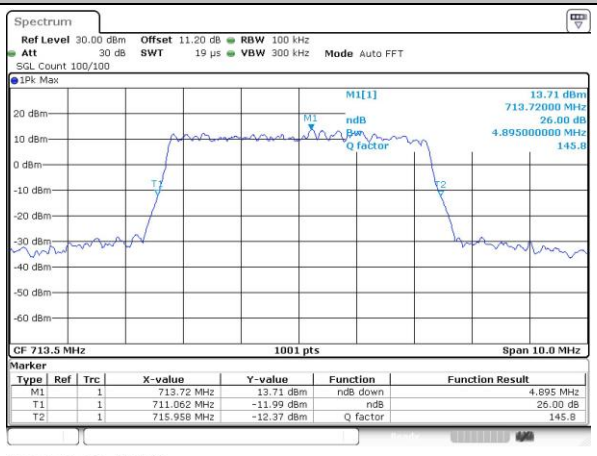
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

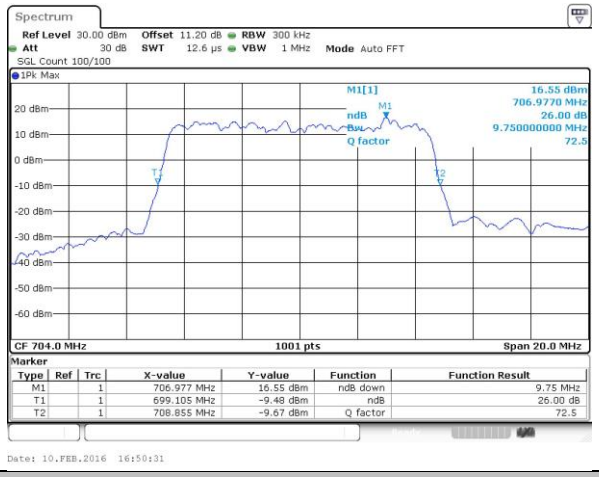


Highest Channel / 5MHz / 16QAM

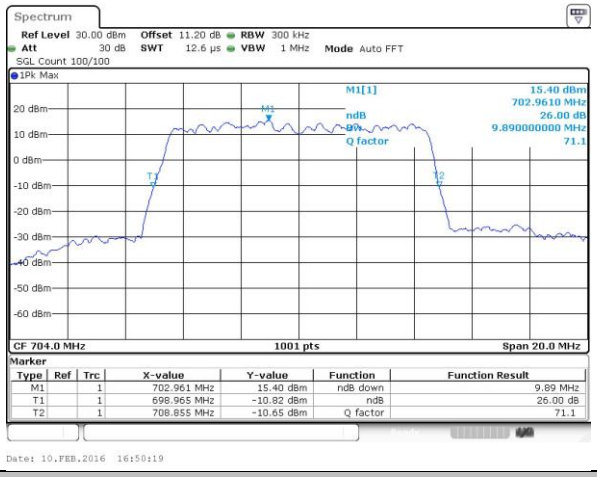


LTE Band 12

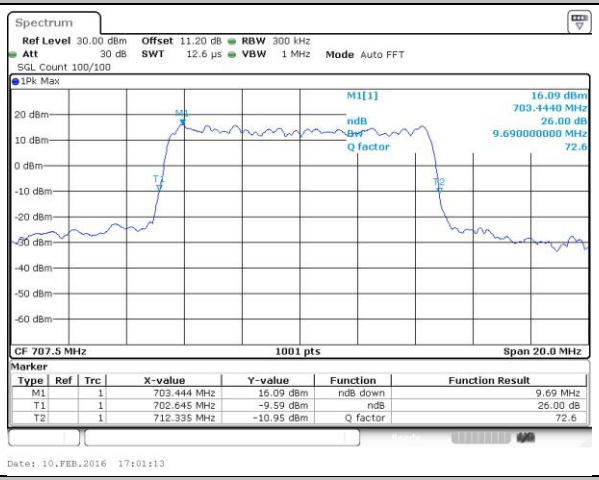
Lowest Channel / 10MHz / QPSK



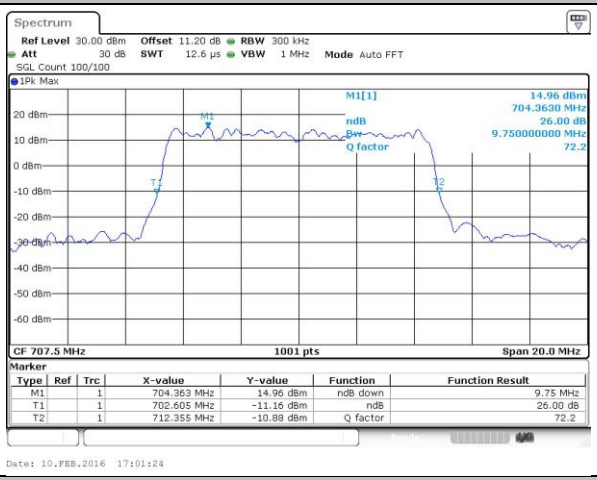
Lowest Channel / 10MHz / 16QAM



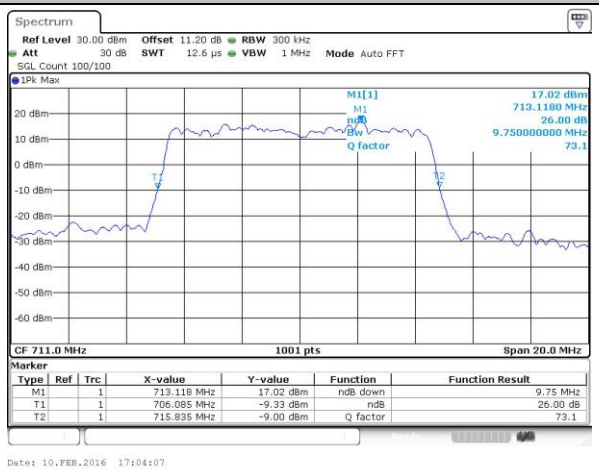
Middle Channel / 10MHz / QPSK



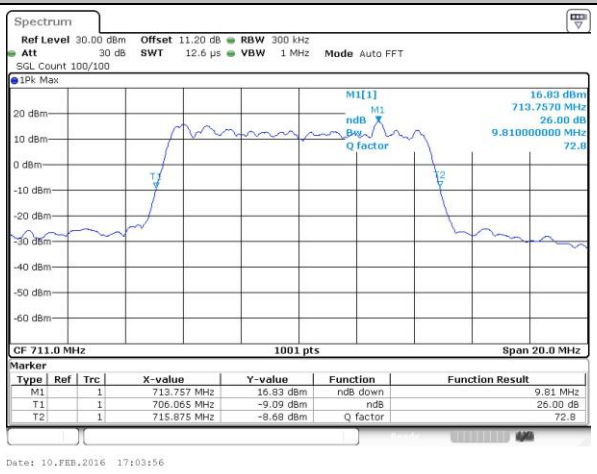
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

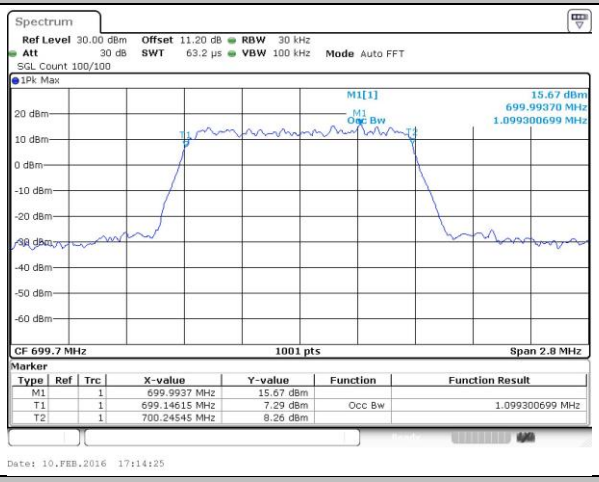


Occupied Bandwidth

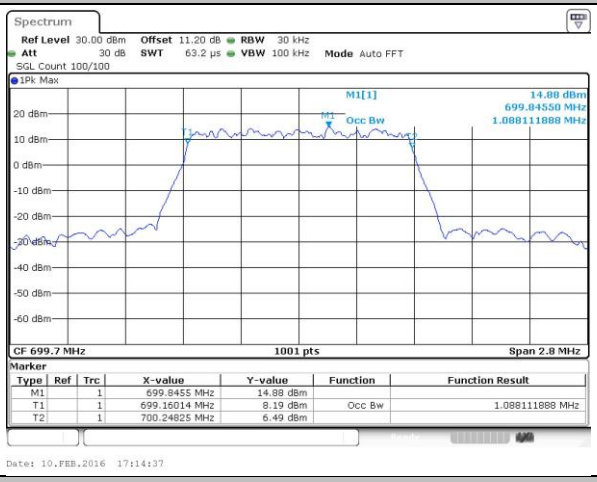
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.72	2.72	4.51	4.49	9.03	8.99	-	-	-	-
Middle CH	1.09	1.1	2.72	2.7	4.48	4.51	8.97	9.03	-	-	-	-
Highest CH	1.09	1.1	2.73	2.72	4.49	4.48	9.03	9.01	-	-	-	-

LTE Band 12

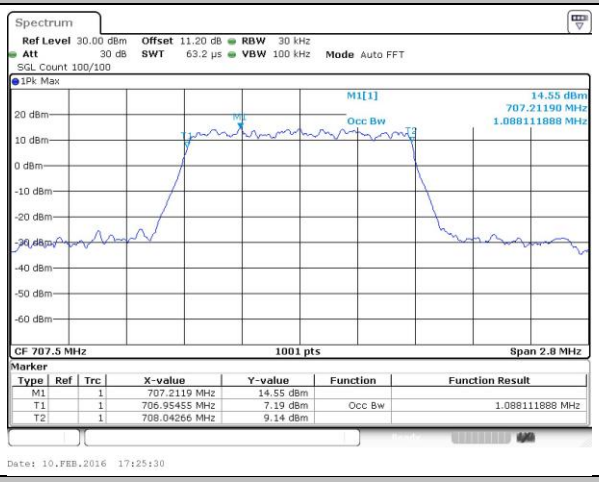
Lowest Channel / 1.4MHz / QPSK



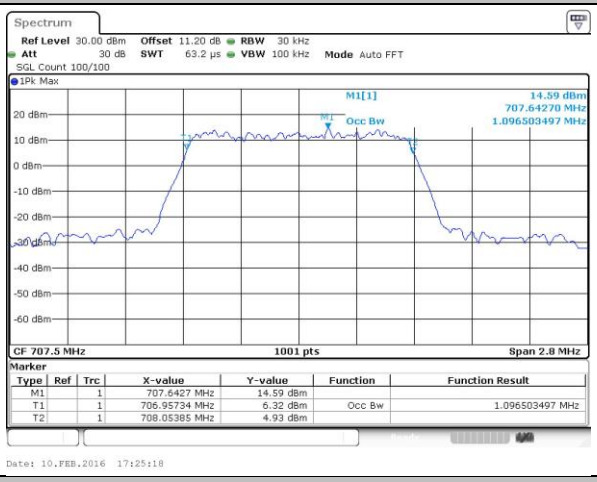
Lowest Channel / 1.4MHz / 16QAM



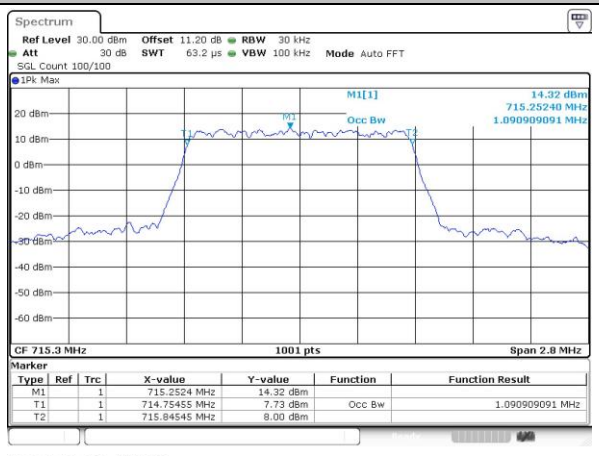
Middle Channel / 1.4MHz / QPSK



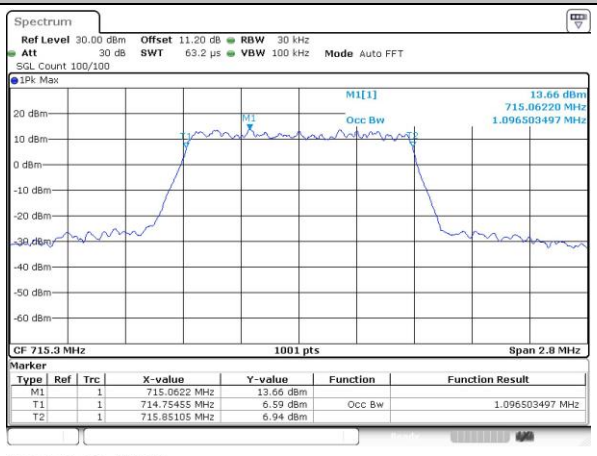
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

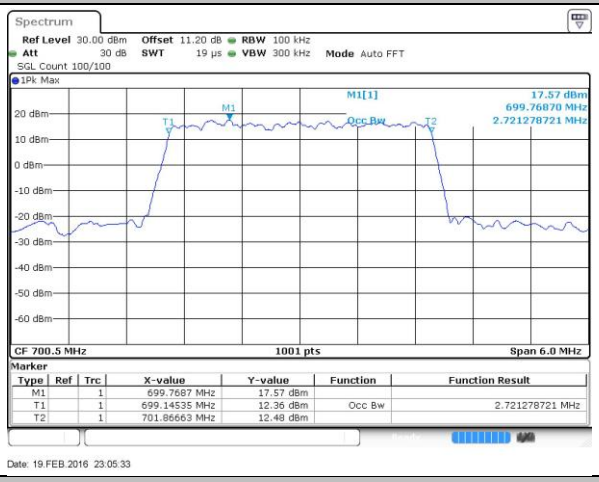


Highest Channel / 1.4MHz / 16QAM

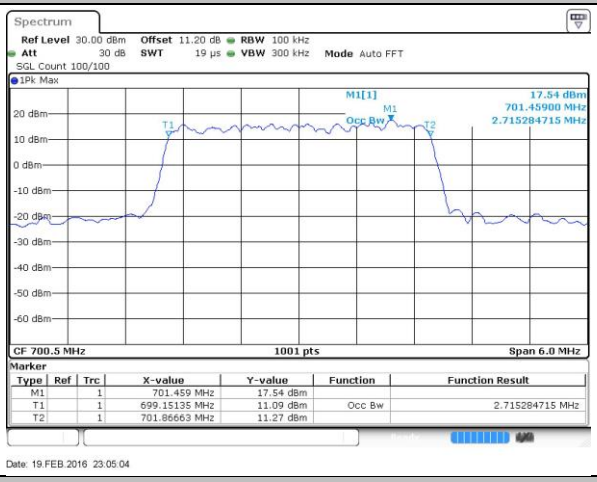


LTE Band 12

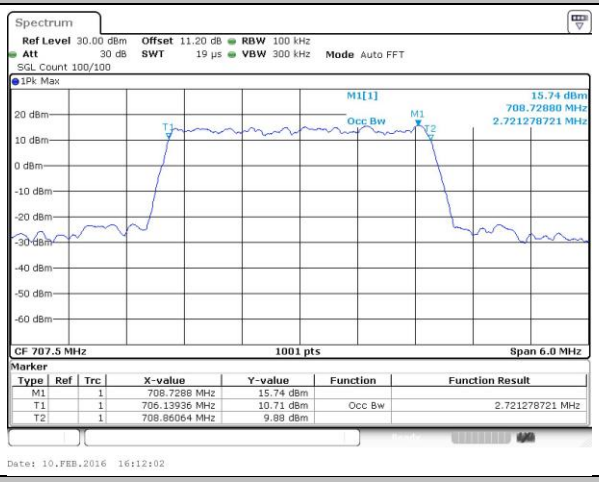
Lowest Channel / 3MHz / QPSK



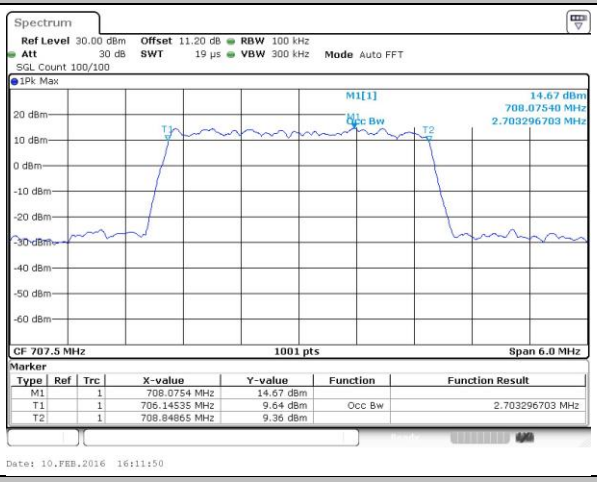
Lowest Channel / 3MHz / 16QAM



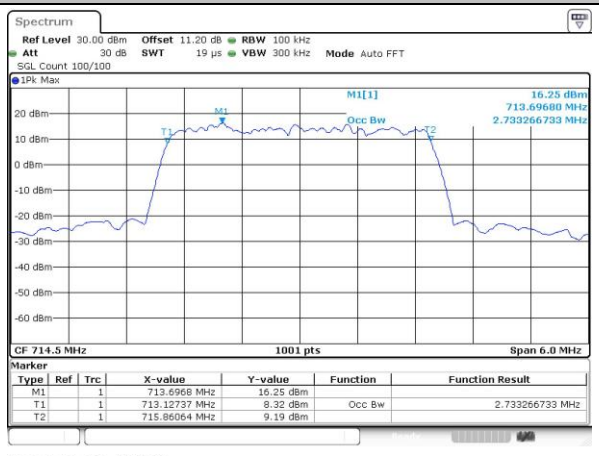
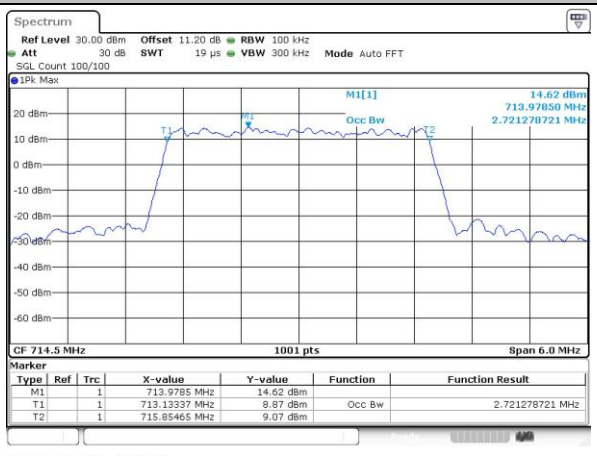
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM