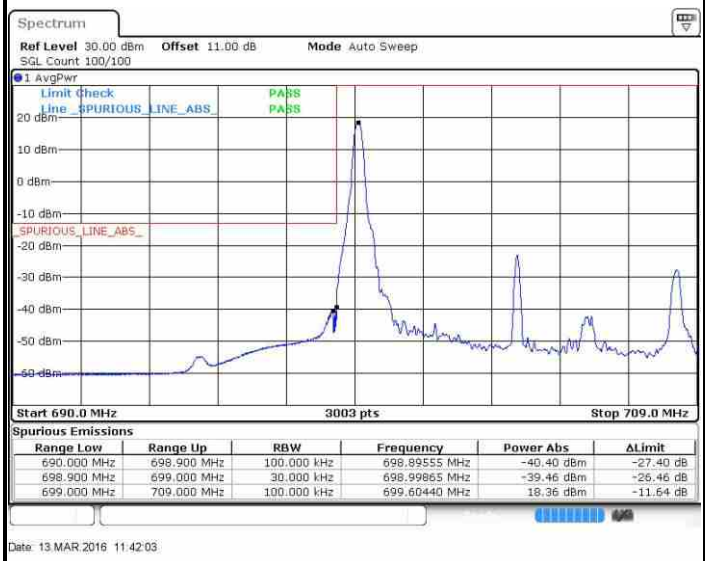
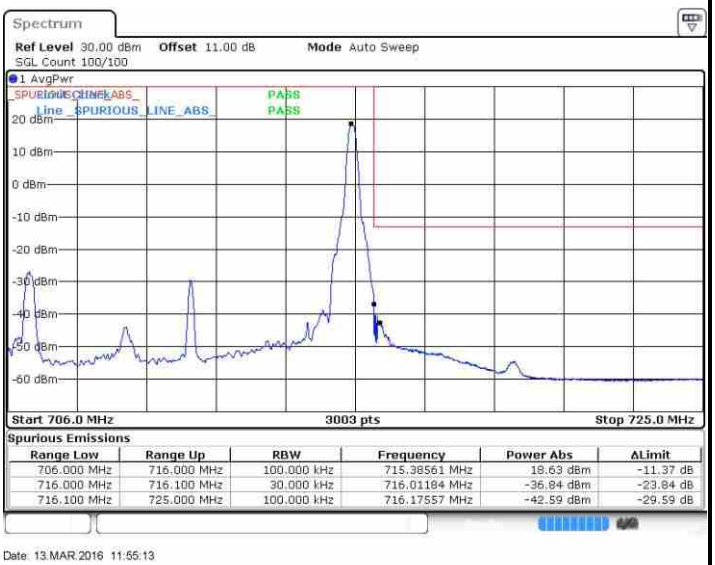
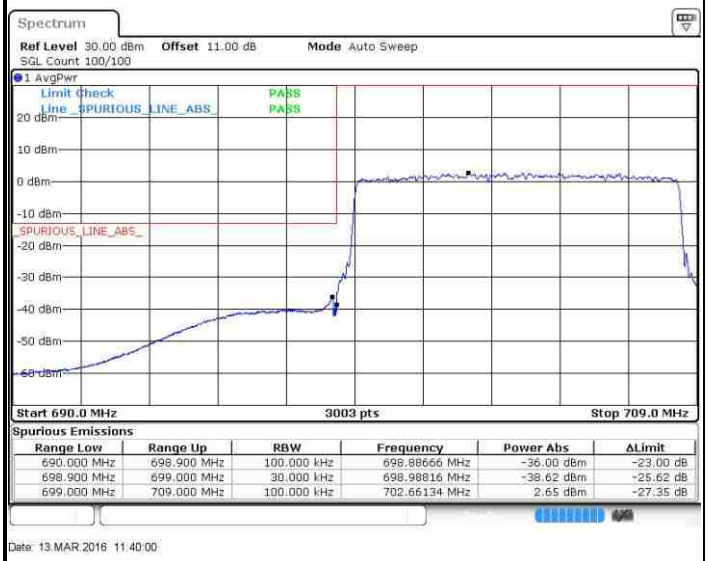
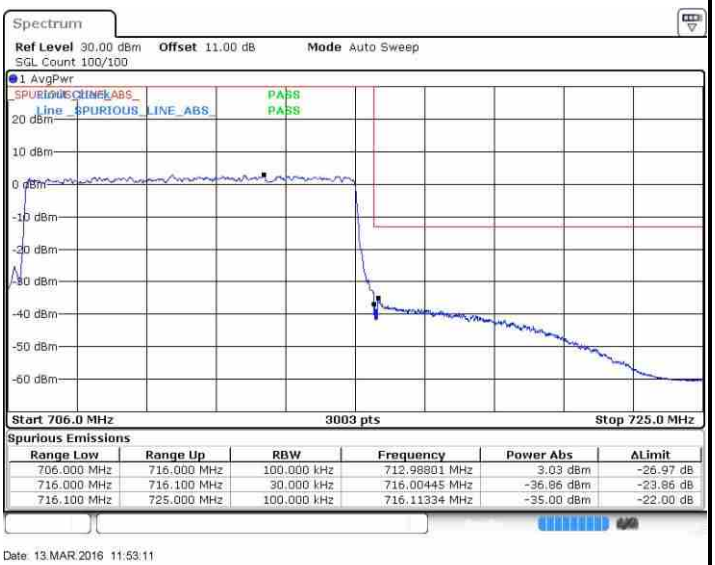
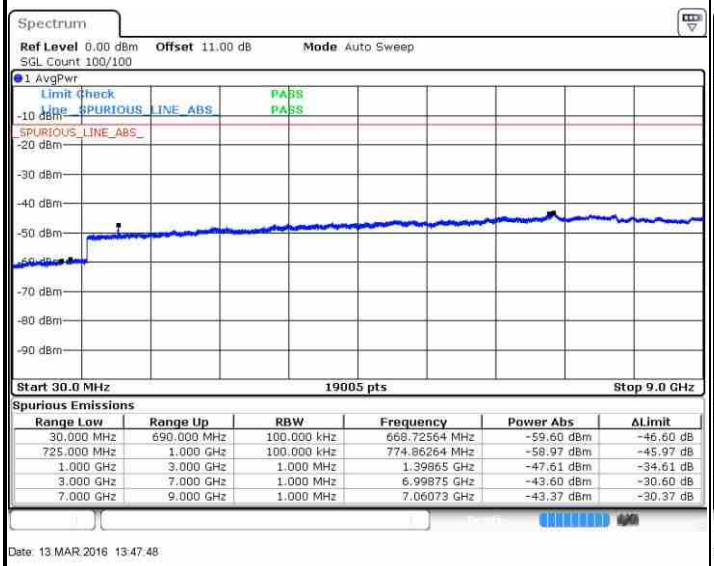
LTE Band 12 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

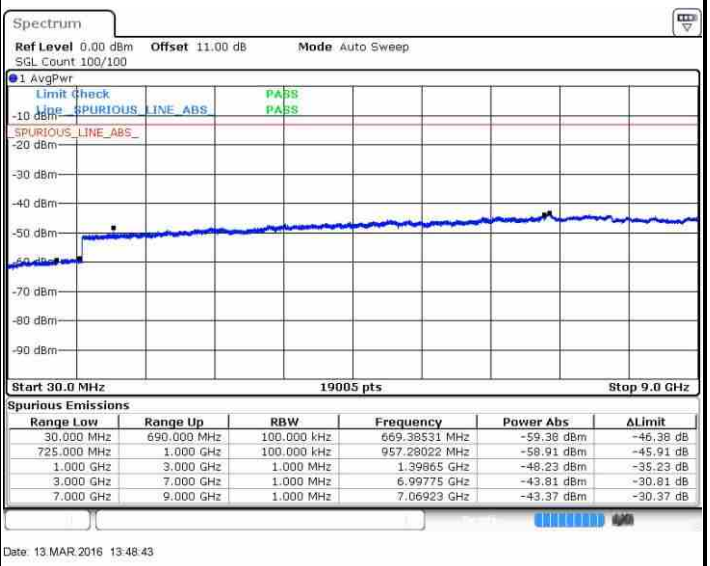


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.72564 MHz	-59.60 dBm	-46.60 dB
725.000 MHz	1.000 GHz	100.000 kHz	774.86264 MHz	-58.97 dBm	-45.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-43.60 dBm	-30.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06073 GHz	-43.37 dBm	-30.37 dB

Date: 13.MAR.2016 13:47:48

Lowest Channel / 16QAM

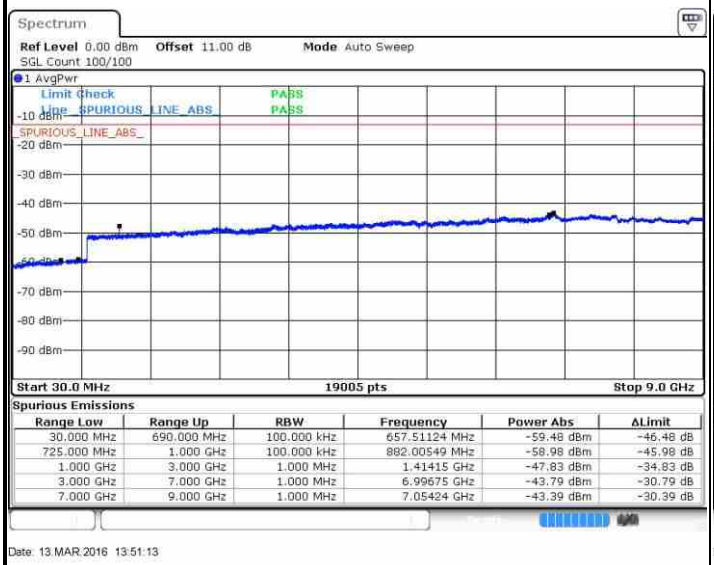


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	669.38531 MHz	-59.38 dBm	-46.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.28022 MHz	-58.91 dBm	-45.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-48.23 dBm	-35.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.81 dBm	-30.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06923 GHz	-43.37 dBm	-30.37 dB

Date: 13.MAR.2016 13:48:43

Middle Channel / QPSK

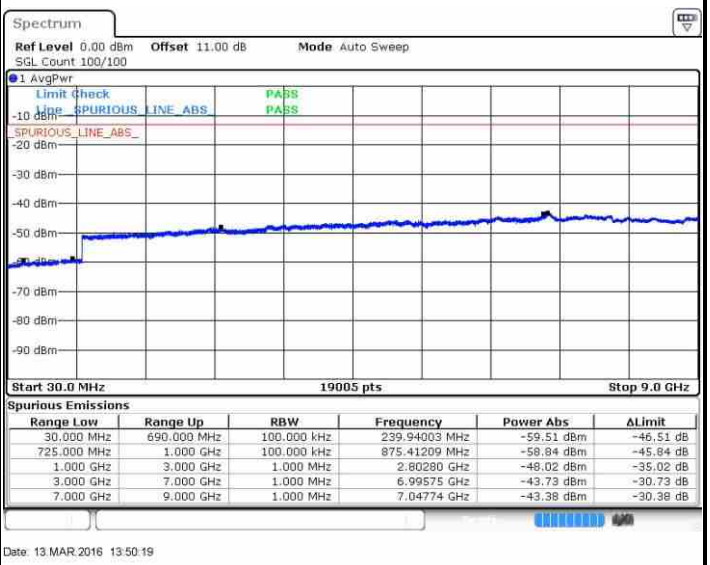


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	657.51124 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	882.00549 MHz	-58.98 dBm	-45.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-43.79 dBm	-30.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05424 GHz	-43.39 dBm	-30.39 dB

Date: 13.MAR.2016 13:51:13

Middle Channel / 16QAM



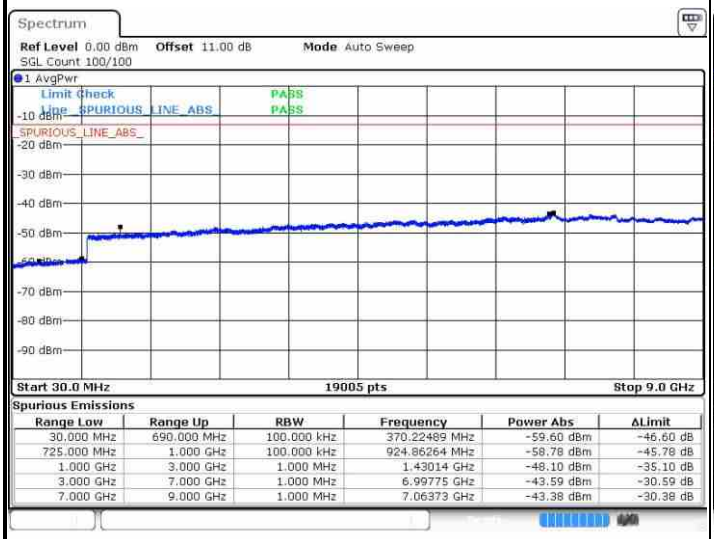
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.94003 MHz	-59.51 dBm	-46.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	875.41209 MHz	-58.84 dBm	-45.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80280 GHz	-48.02 dBm	-35.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04774 GHz	-43.38 dBm	-30.38 dB

Date: 13.MAR.2016 13:50:19

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

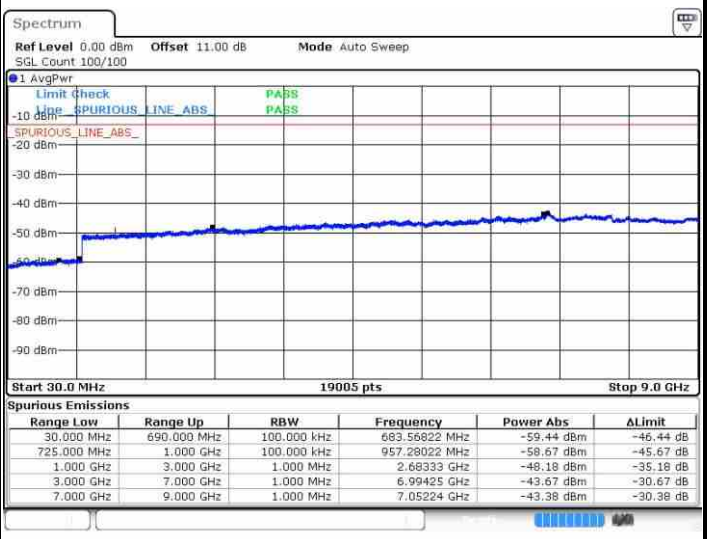


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	370.22489 MHz	-59.60 dBm	-46.60 dB
725.000 MHz	1.000 GHz	100.000 kHz	924.86264 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-48.10 dBm	-35.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.59 dBm	-30.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06373 GHz	-43.38 dBm	-30.38 dB

Date: 13.MAR.2016 14:00:59

Highest Channel / 16QAM



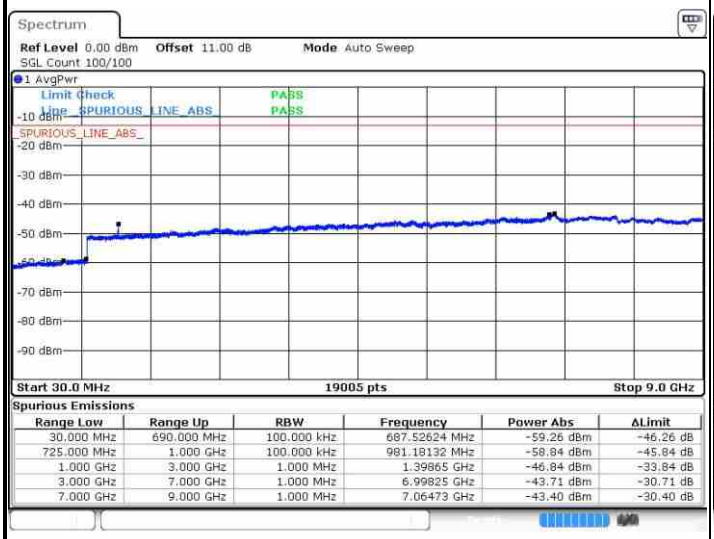
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.56822 MHz	-59.44 dBm	-46.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.28022 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.68333 GHz	-48.18 dBm	-35.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.67 dBm	-30.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05224 GHz	-43.38 dBm	-30.38 dB

Date: 13.MAR.2016 14:01:53

LTE Band 12 / 3MHz

Lowest Channel / QPSK

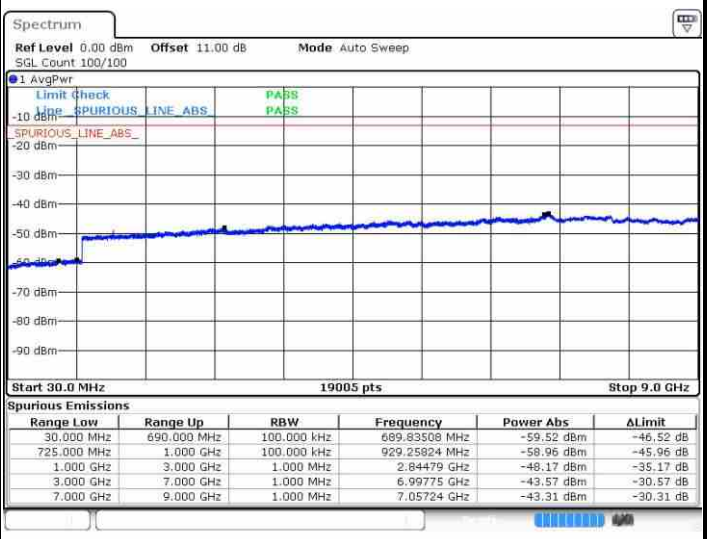


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-59.26 dBm	-46.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	981.18132 MHz	-58.84 dBm	-45.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06473 GHz	-43.40 dBm	-30.40 dB

Date: 13.MAR.2016 10:57:18

Lowest Channel / 16QAM



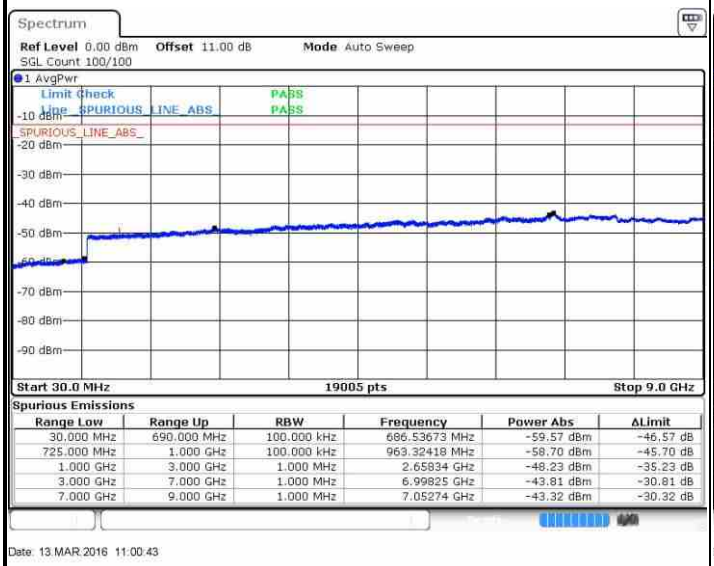
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.52 dBm	-46.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.25824 MHz	-58.96 dBm	-45.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84479 GHz	-48.17 dBm	-35.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.57 dBm	-30.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05724 GHz	-43.31 dBm	-30.31 dB

Date: 13.MAR.2016 10:58:12

LTE Band 12 / 3MHz

Middle Channel / QPSK

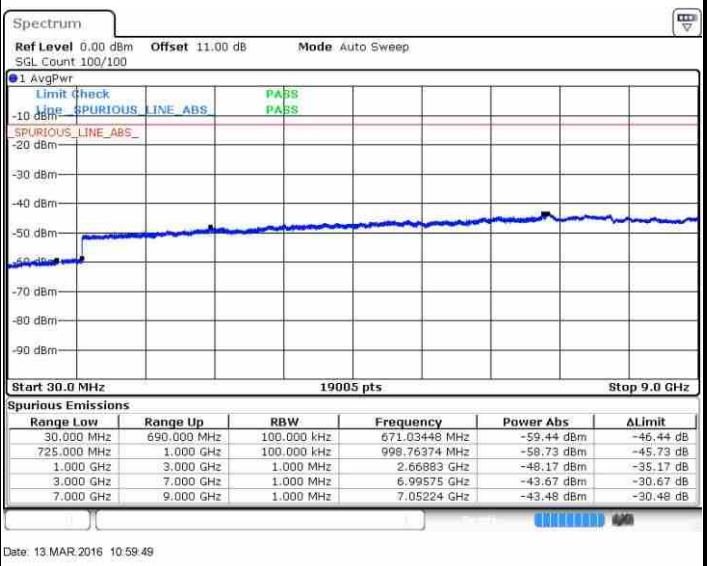


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.53673 MHz	-59.57 dBm	-46.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	963.32418 MHz	-58.70 dBm	-45.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.65834 GHz	-48.23 dBm	-35.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-43.81 dBm	-30.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05274 GHz	-43.32 dBm	-30.32 dB

Date: 13.MAR.2016 11:00:43

Middle Channel / 16QAM

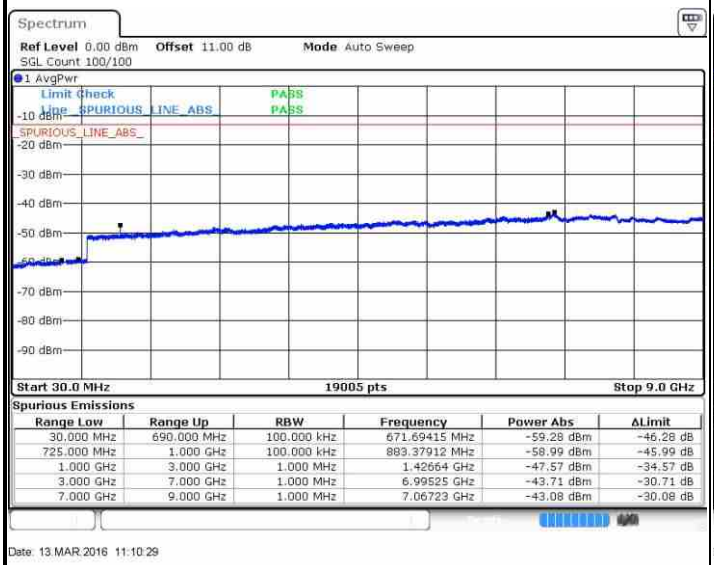


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.03448 MHz	-59.44 dBm	-46.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.76374 MHz	-58.73 dBm	-45.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66883 GHz	-48.17 dBm	-35.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.67 dBm	-30.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05224 GHz	-43.48 dBm	-30.48 dB

Date: 13.MAR.2016 10:59:49

Highest Channel / QPSK

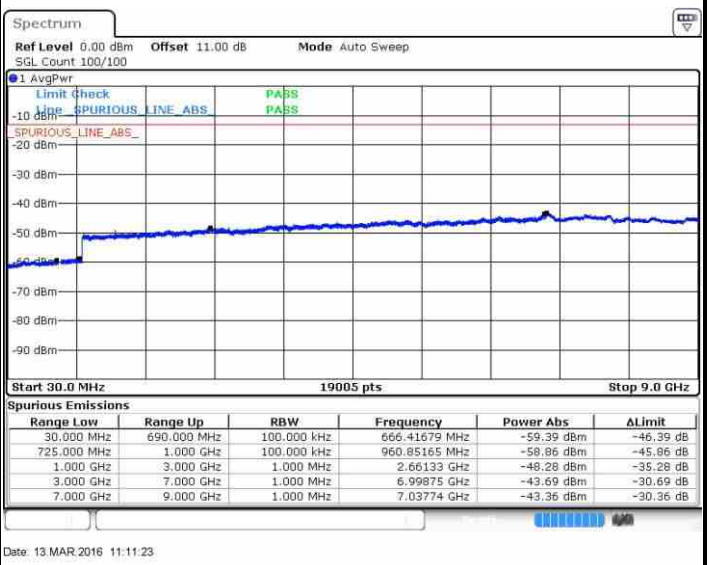


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.69415 MHz	-59.28 dBm	-46.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	883.37912 MHz	-58.99 dBm	-45.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-47.57 dBm	-34.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06723 GHz	-43.08 dBm	-30.08 dB

Date: 13.MAR.2016 11:10:29

Highest Channel / 16QAM



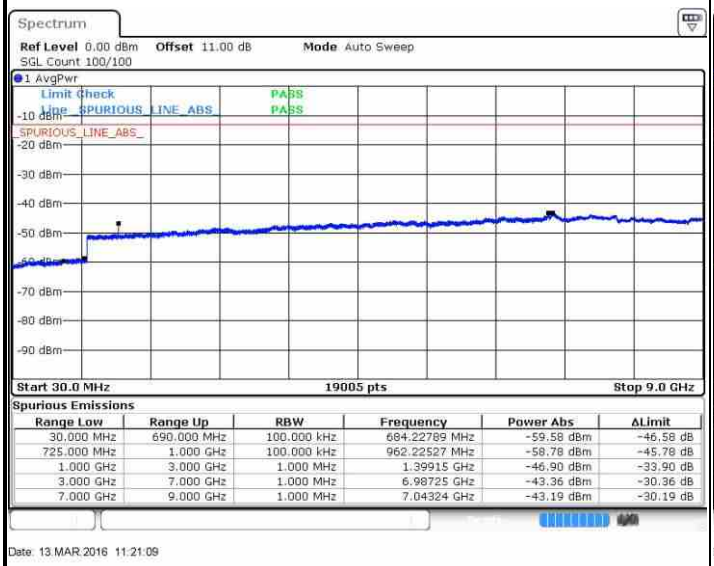
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	960.85165 MHz	-58.86 dBm	-45.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66133 GHz	-48.28 dBm	-35.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-43.69 dBm	-30.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03774 GHz	-43.36 dBm	-30.36 dB

Date: 13.MAR.2016 11:11:23

LTE Band 12 / 5MHz

Lowest Channel / QPSK

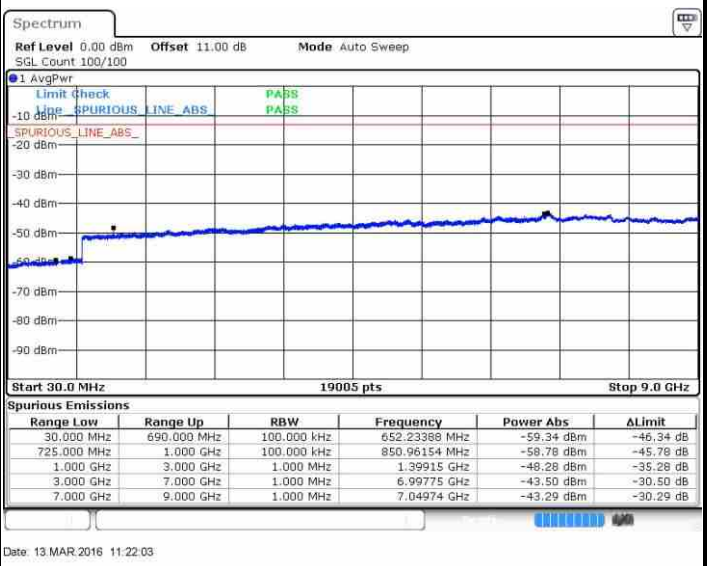


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.22789 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.22527 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.90 dBm	-33.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-43.36 dBm	-30.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04324 GHz	-43.19 dBm	-30.19 dB

Date: 13.MAR.2016 11:21:09

Lowest Channel / 16QAM

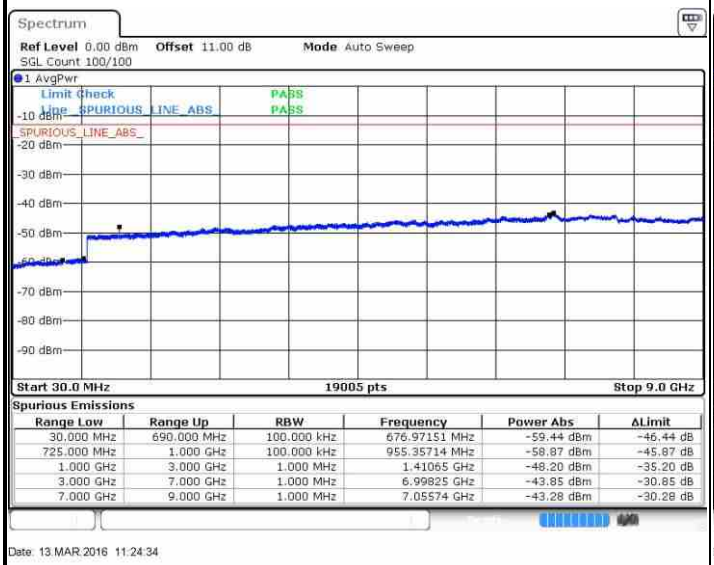


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	652.23388 MHz	-59.34 dBm	-46.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	850.96154 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-48.28 dBm	-35.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.50 dBm	-30.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04974 GHz	-43.29 dBm	-30.29 dB

Date: 13.MAR.2016 11:22:03

Middle Channel / QPSK

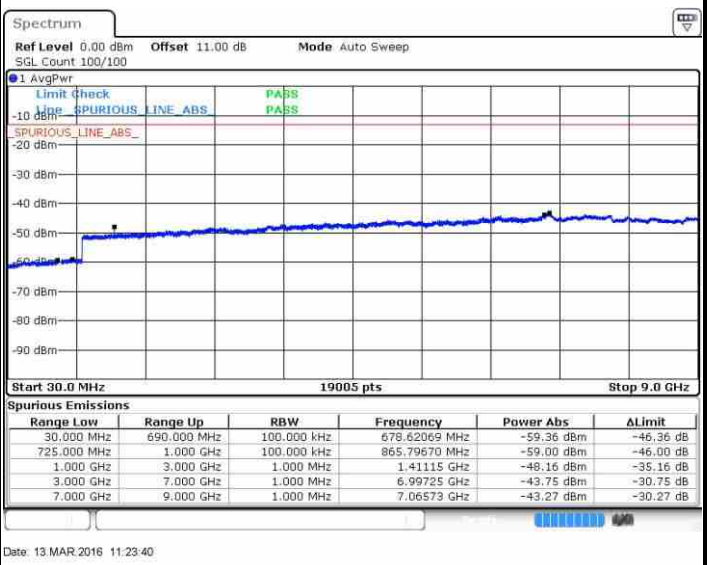


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	676.97151 MHz	-59.44 dBm	-46.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.35714 MHz	-58.87 dBm	-45.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41065 GHz	-48.20 dBm	-35.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-43.85 dBm	-30.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05574 GHz	-43.28 dBm	-30.28 dB

Date: 13.MAR.2016 11:24:34

Middle Channel / 16QAM



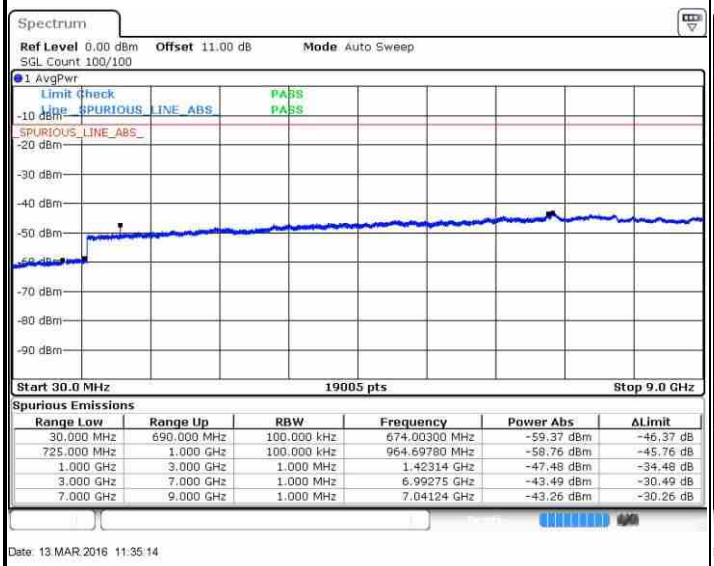
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.62069 MHz	-59.36 dBm	-46.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	865.79670 MHz	-59.00 dBm	-46.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-48.16 dBm	-35.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06573 GHz	-43.27 dBm	-30.27 dB

Date: 13.MAR.2016 11:23:40

LTE Band 12 / 5MHz

Highest Channel / QPSK

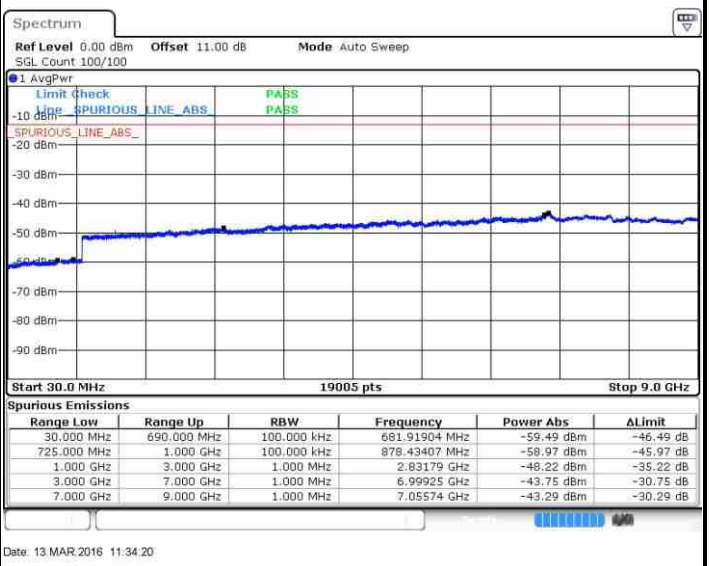


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.00300 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	964.69780 MHz	-58.76 dBm	-45.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-43.49 dBm	-30.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04124 GHz	-43.26 dBm	-30.26 dB

Date: 13.MAR.2016 11:35:14

Highest Channel / 16QAM



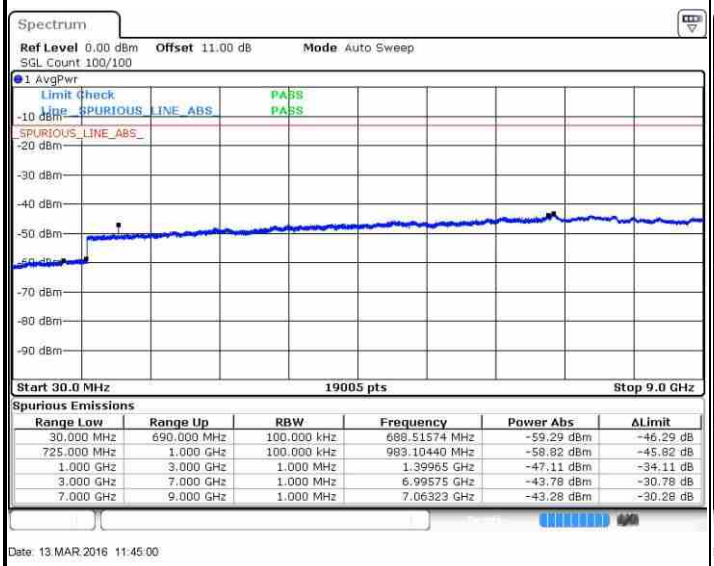
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	878.43407 MHz	-58.97 dBm	-45.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83179 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05574 GHz	-43.29 dBm	-30.29 dB

Date: 13.MAR.2016 11:34:20

LTE Band 12 / 10MHz

Lowest Channel / QPSK

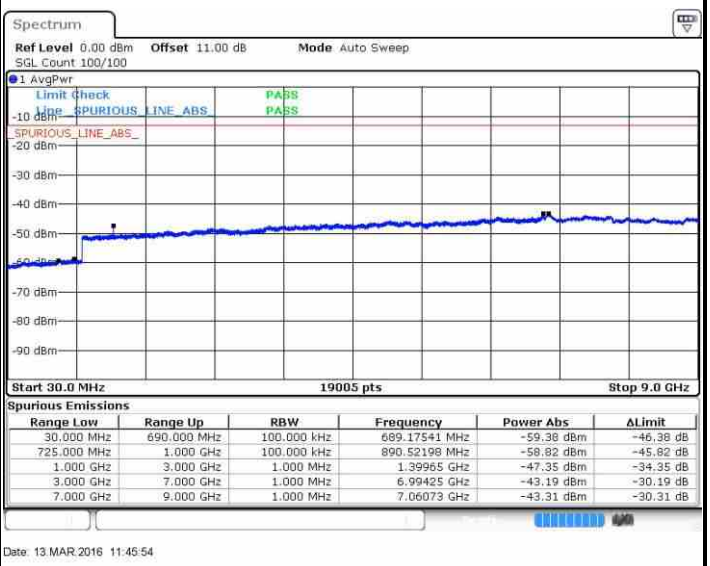


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.10440 MHz	-58.82 dBm	-45.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.11 dBm	-34.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.78 dBm	-30.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06323 GHz	-43.28 dBm	-30.28 dB

Date: 13.MAR.2016 11:45:00

Lowest Channel / 16QAM



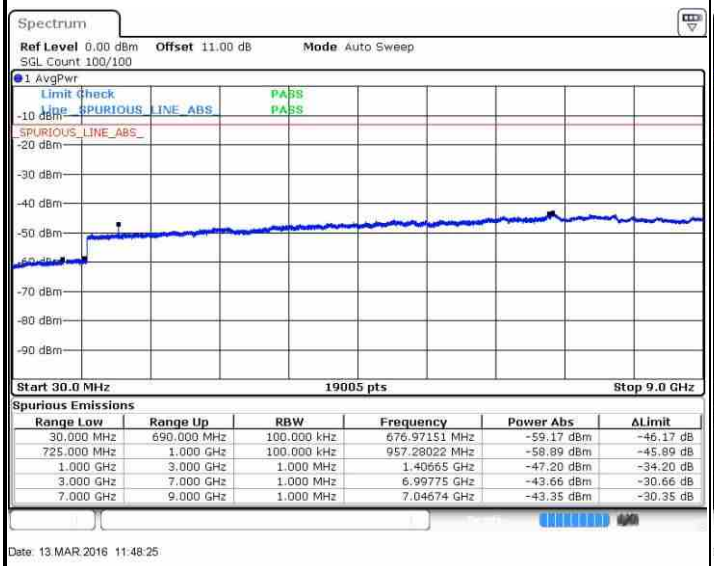
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.38 dBm	-46.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	890.52198 MHz	-58.82 dBm	-45.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.35 dBm	-34.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.19 dBm	-30.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06073 GHz	-43.31 dBm	-30.31 dB

Date: 13.MAR.2016 11:45:54

LTE Band 12 / 10MHz

Middle Channel / QPSK

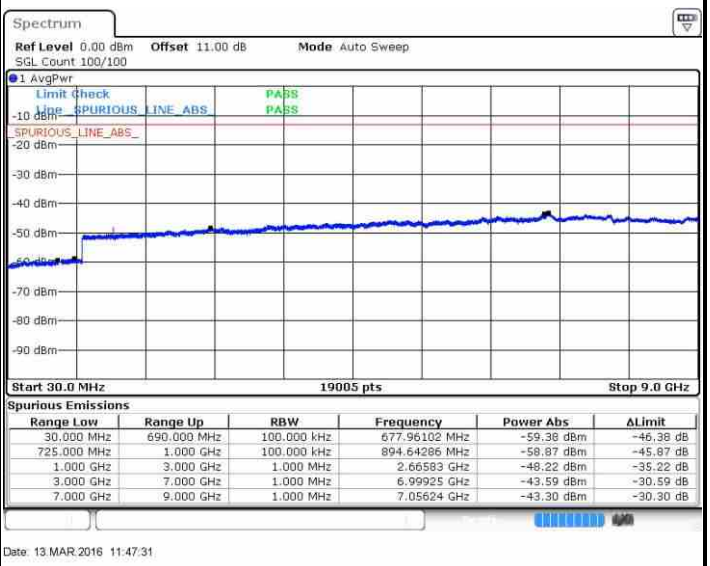


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	676.97151 MHz	-59.17 dBm	-46.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.28022 MHz	-58.89 dBm	-45.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.66 dBm	-30.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04674 GHz	-43.35 dBm	-30.35 dB

Date: 13.MAR.2016 11:48:25

Middle Channel / 16QAM

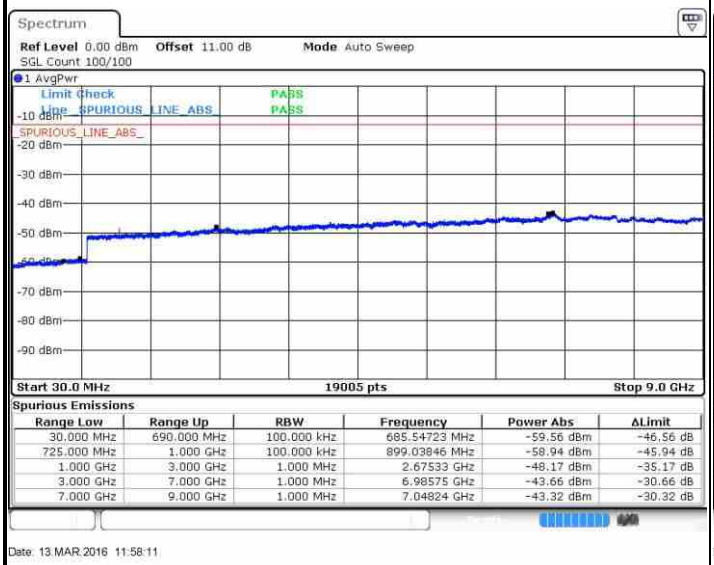


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	677.96102 MHz	-59.36 dBm	-46.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.64286 MHz	-58.87 dBm	-45.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66583 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.59 dBm	-30.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05624 GHz	-43.30 dBm	-30.30 dB

Date: 13.MAR.2016 11:47:31

Highest Channel / QPSK

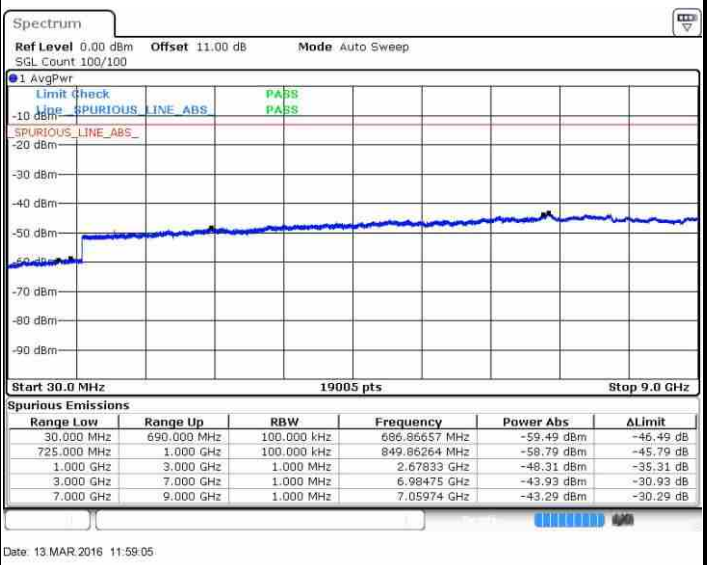


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.03846 MHz	-58.94 dBm	-45.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67533 GHz	-48.17 dBm	-35.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-43.66 dBm	-30.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04824 GHz	-43.32 dBm	-30.32 dB

Date: 13.MAR.2016 11:58:11

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	849.86264 MHz	-58.79 dBm	-45.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67833 GHz	-48.31 dBm	-35.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-43.93 dBm	-30.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05974 GHz	-43.29 dBm	-30.29 dB

Date: 13.MAR.2016 11:59:05

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0089	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0113	
0	Normal Voltage	0.0113	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0099	
-30	Normal Voltage	0.0116	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

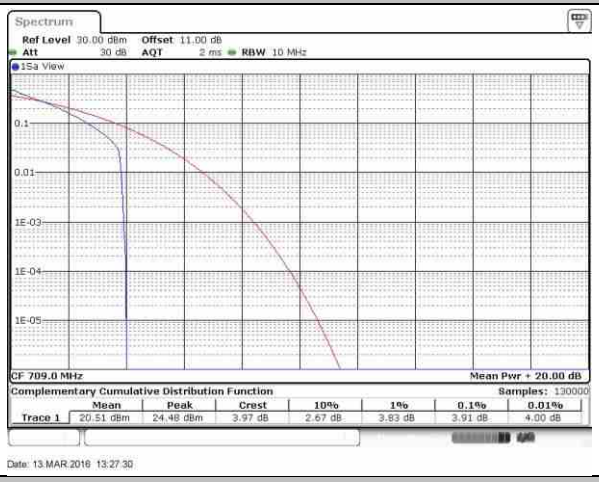
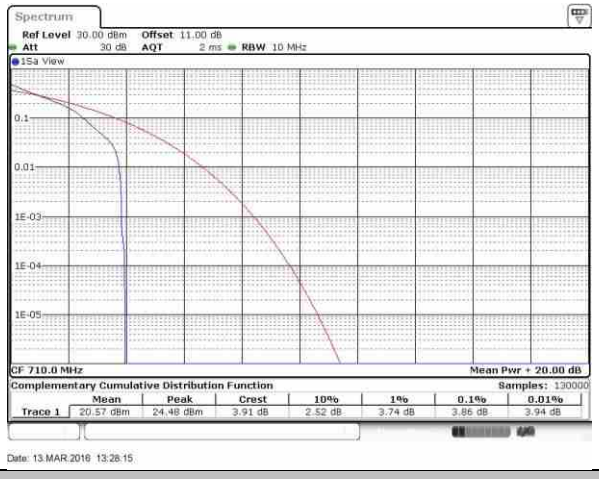
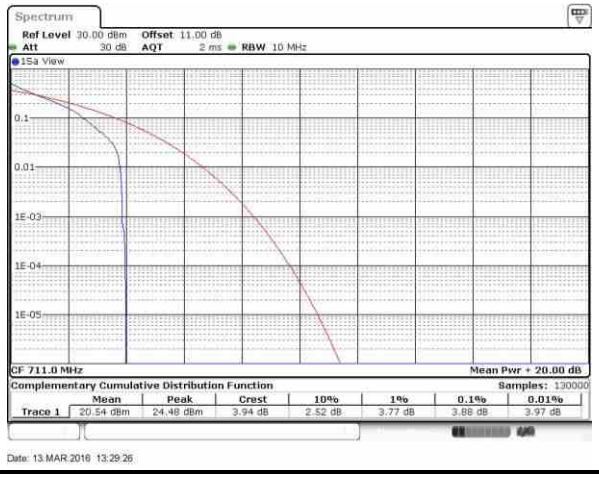
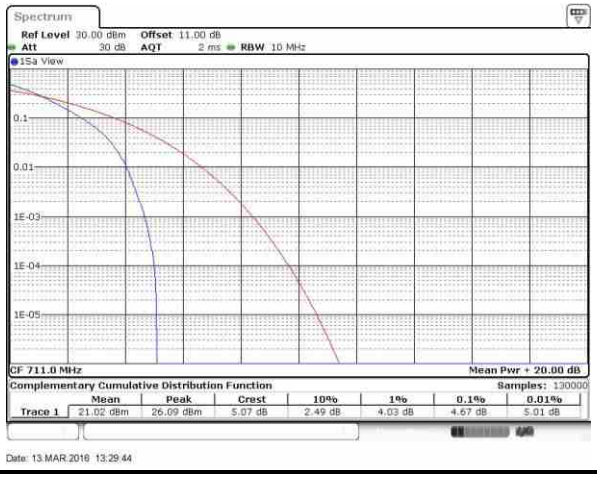
1. Normal Voltage = 3.8 V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.2 V

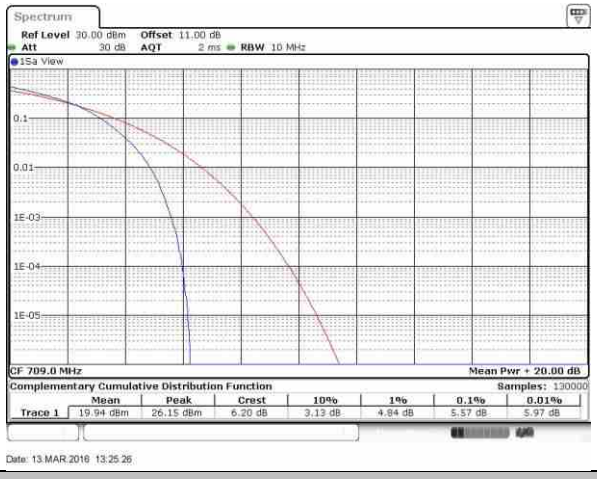
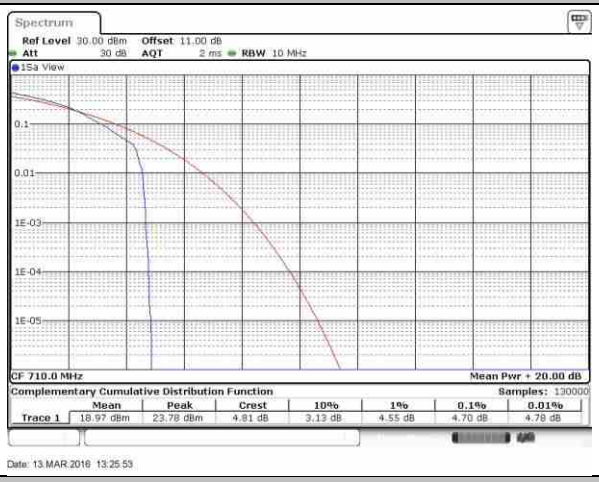
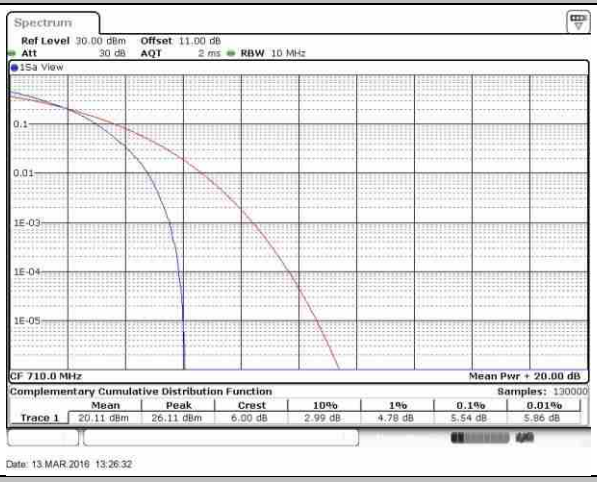
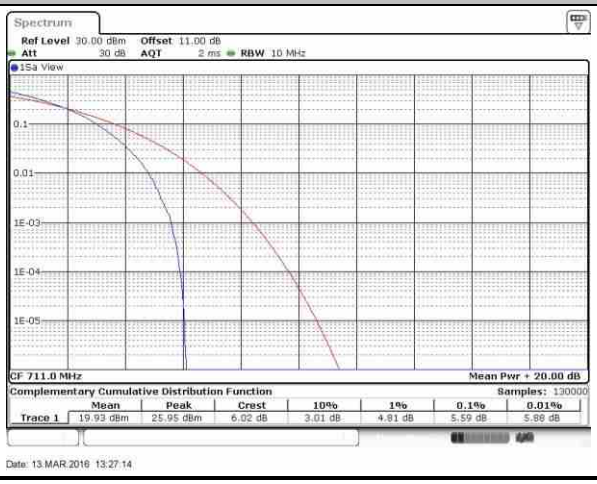
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.91	4.72	4.75	5.57	PASS
Middle CH	3.86	4.7	4.7	5.54	
Highest CH	3.88	4.67	5.04	5.59	

LTE Band 17 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
Highest Channel/ 1RB	**Highest Channel / Full RB**
	

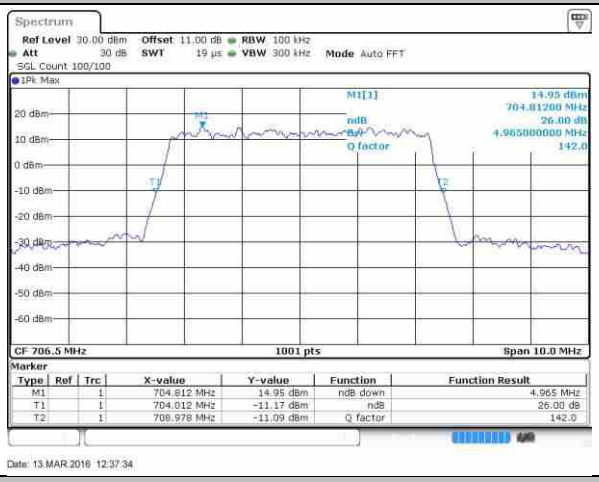
LTE Band 17 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
Highest Channel/ 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

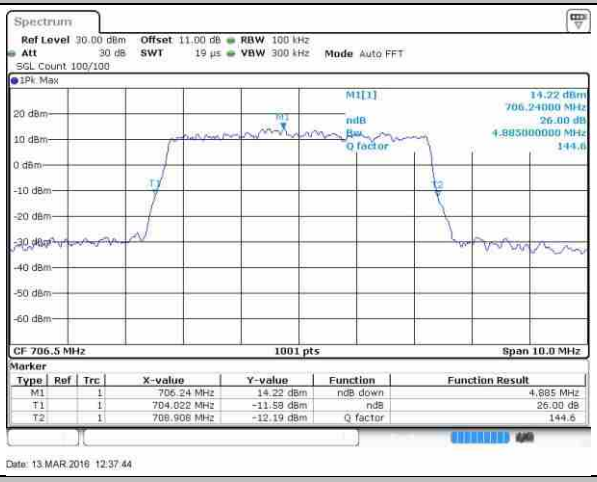
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.97	4.89	9.79	9.65	-	-	-	-
Middle CH	-	-	-	-	4.88	4.91	9.85	10.01	-	-	-	-
Highest CH	-	-	-	-	4.9	4.97	9.81	9.57	-	-	-	-

LTE Band 17

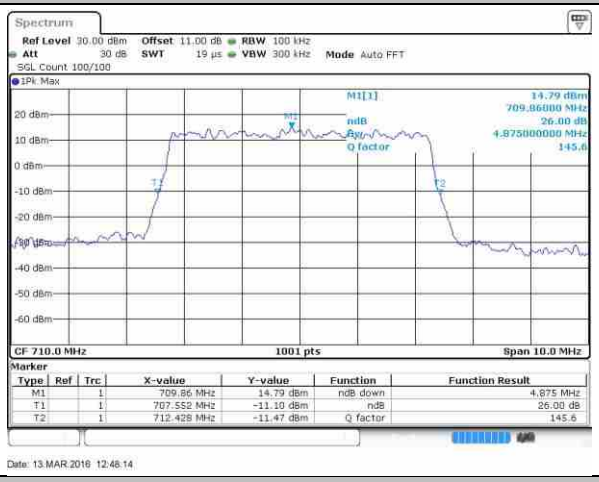
Lowest Channel / 5MHz / QPSK



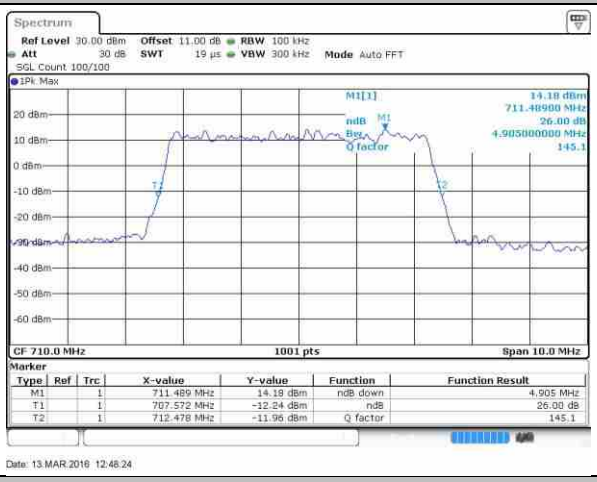
Lowest Channel / 5MHz / 16QAM



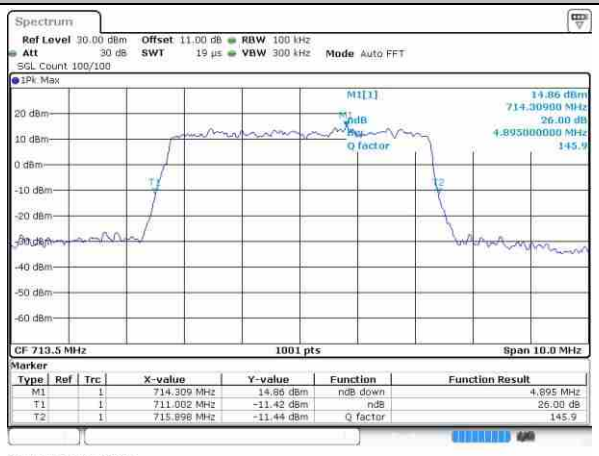
Middle Channel / 5MHz / QPSK



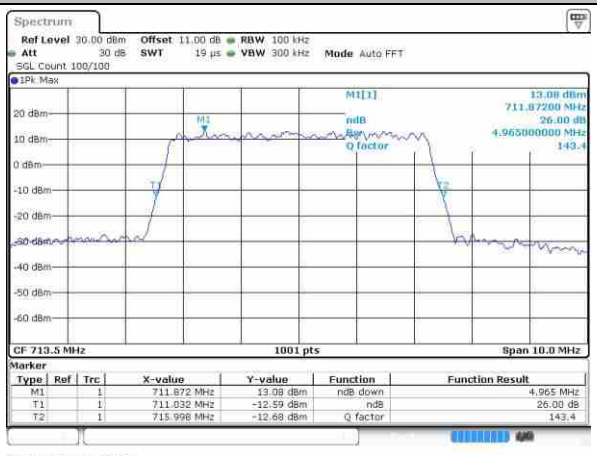
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

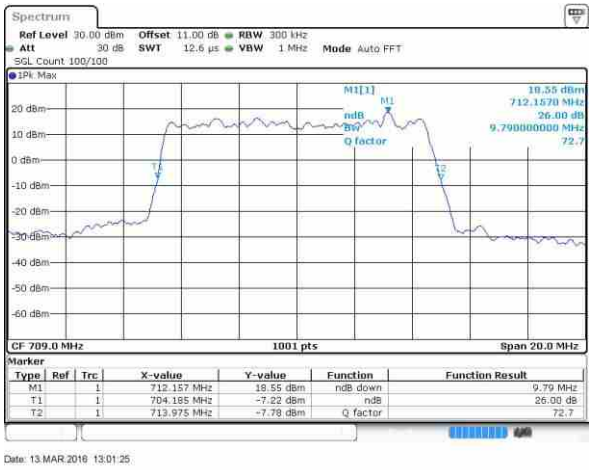


Highest Channel / 5MHz / 16QAM

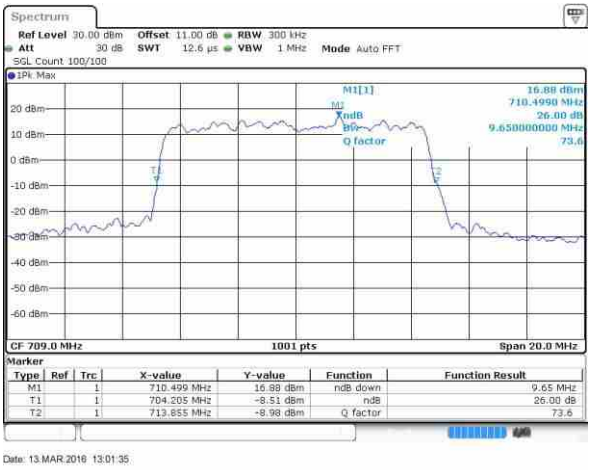


LTE Band 17

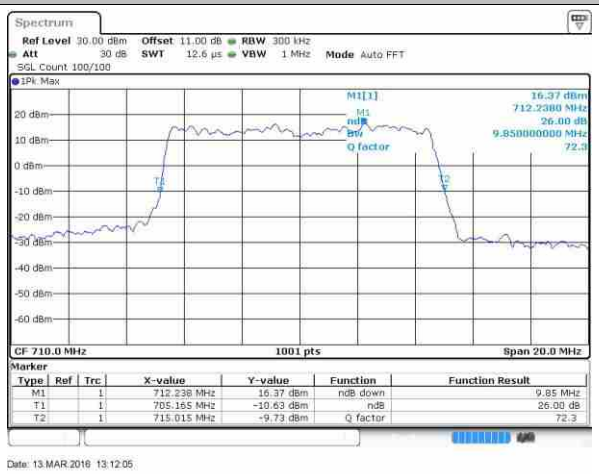
Lowest Channel / 10MHz / QPSK



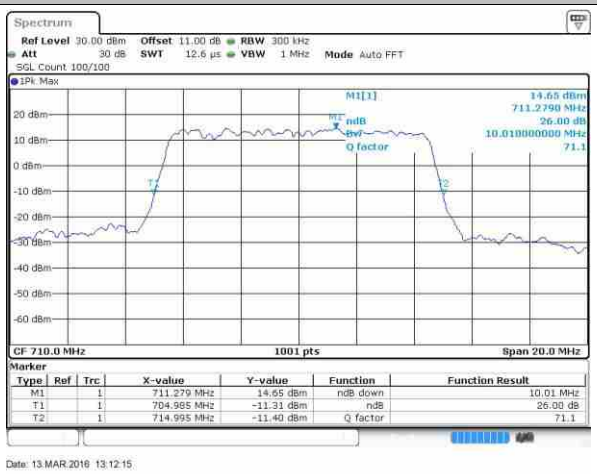
Lowest Channel / 10MHz / 16QAM



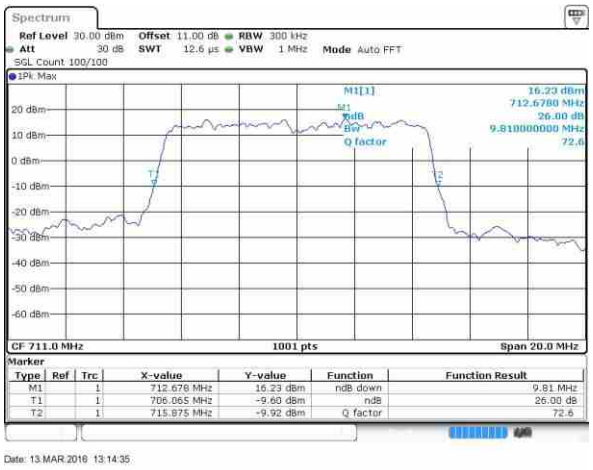
Middle Channel / 10MHz / QPSK



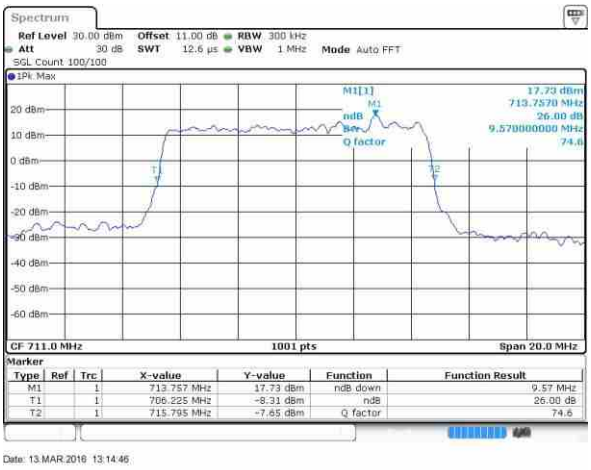
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

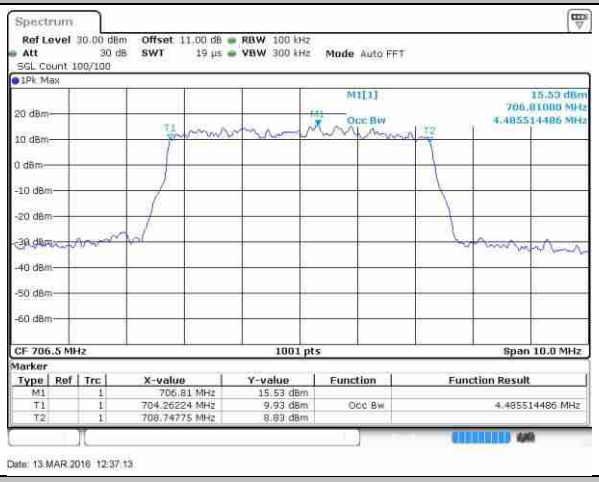


Occupied Bandwidth

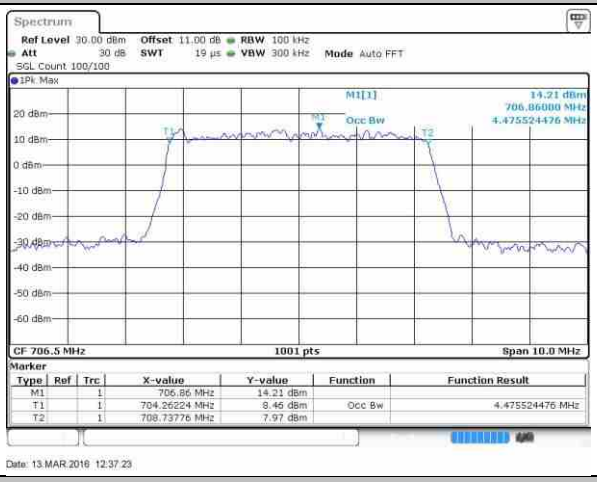
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	9.07	8.99	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	8.99	9.05	-	-	-	-
Highest CH	-	-	-	-	4.48	4.48	9.03	8.97	-	-	-	-

LTE Band 17

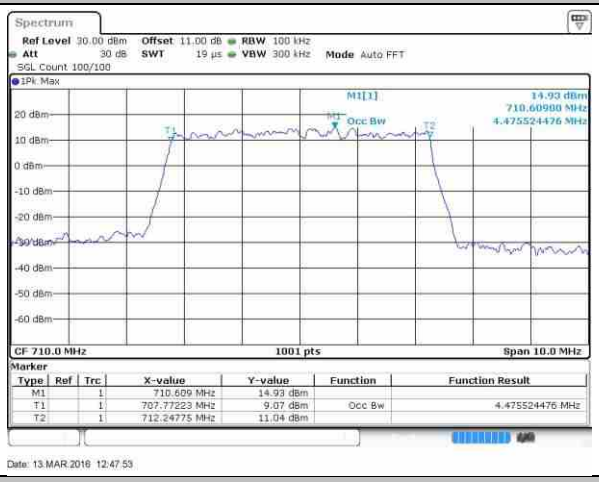
Lowest Channel / 5MHz / QPSK



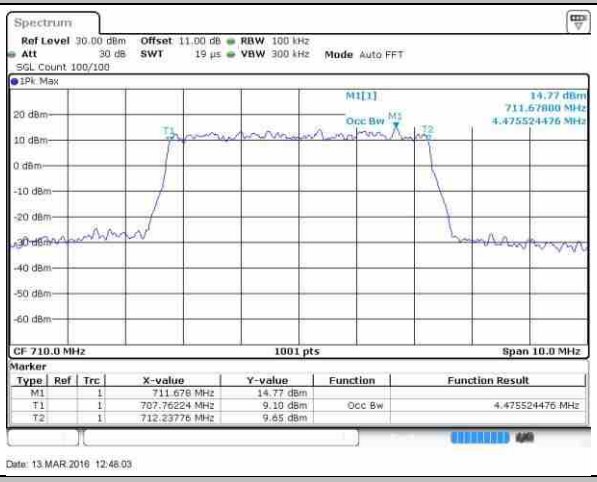
Lowest Channel / 5MHz / 16QAM



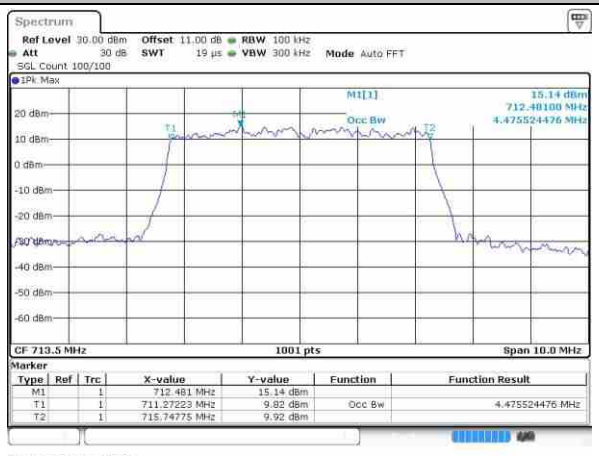
Middle Channel / 5MHz / QPSK



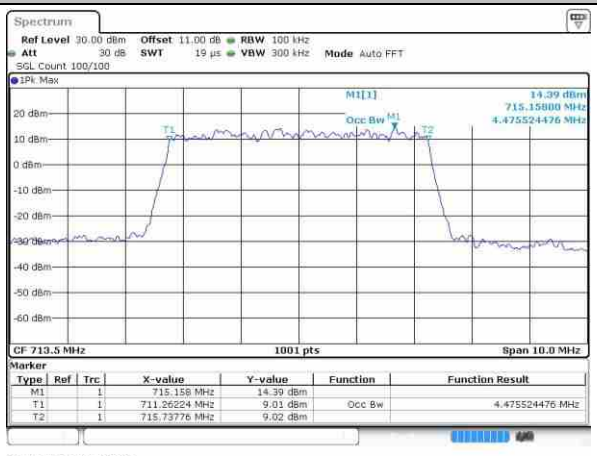
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

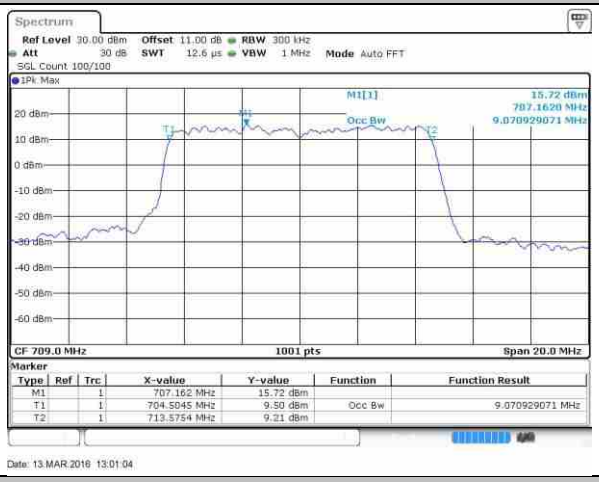


Highest Channel / 5MHz / 16QAM

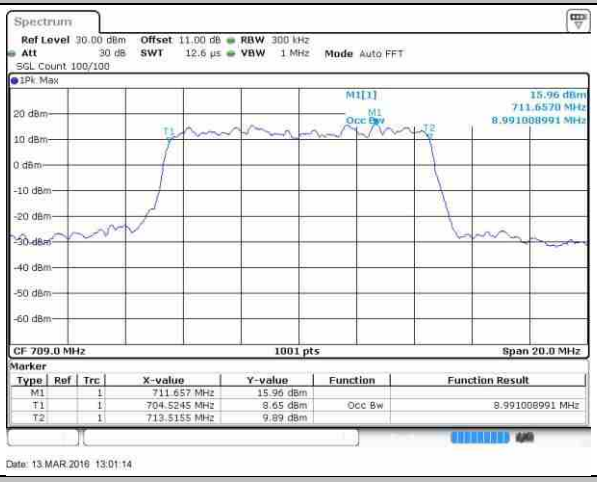


LTE Band 17

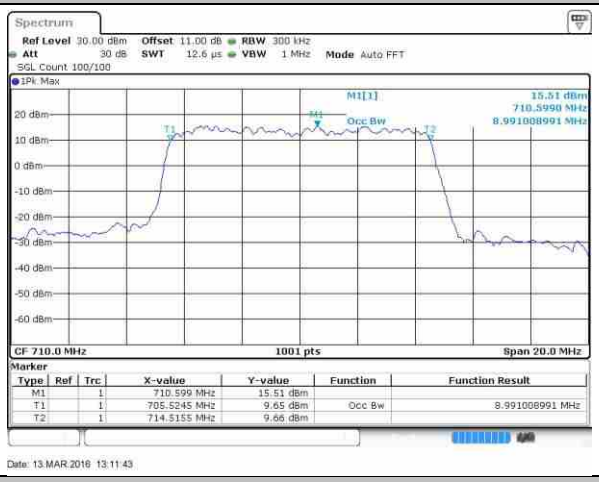
Lowest Channel / 10MHz / QPSK



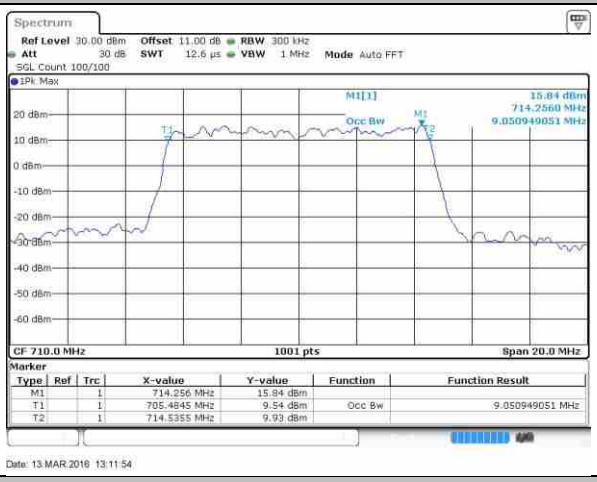
Lowest Channel / 10MHz / 16QAM



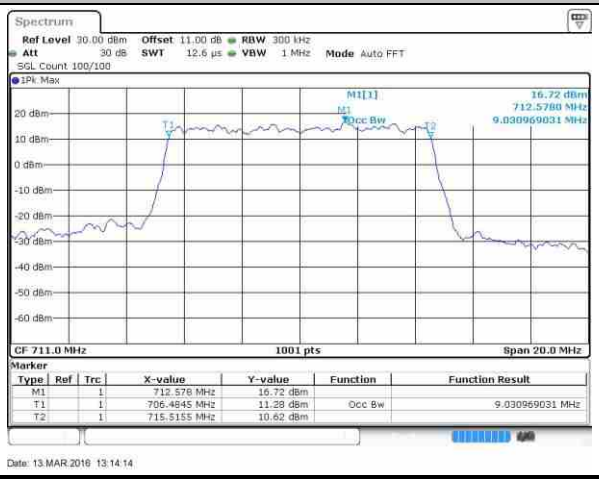
Middle Channel / 10MHz / QPSK



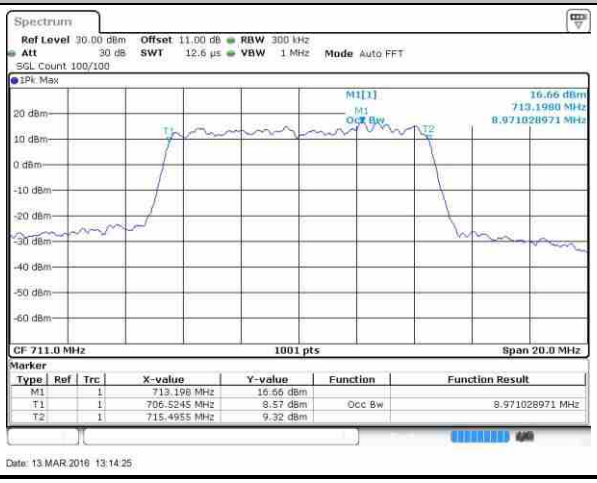
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



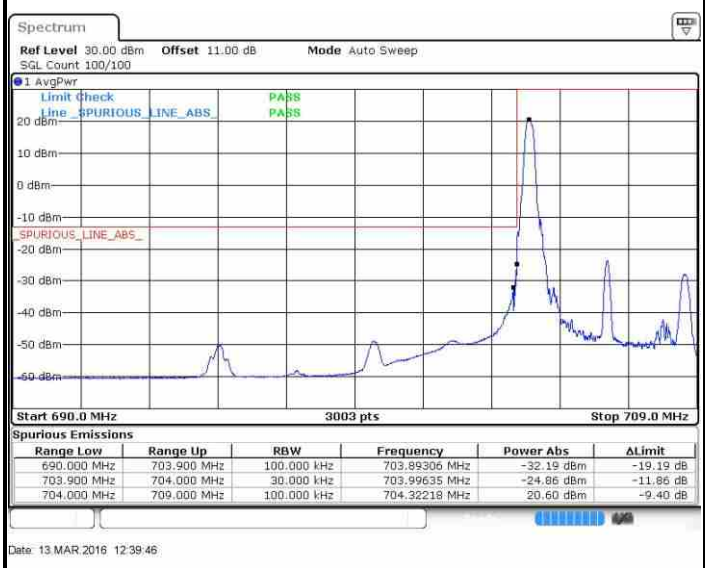
Highest Channel / 10MHz / 16QAM



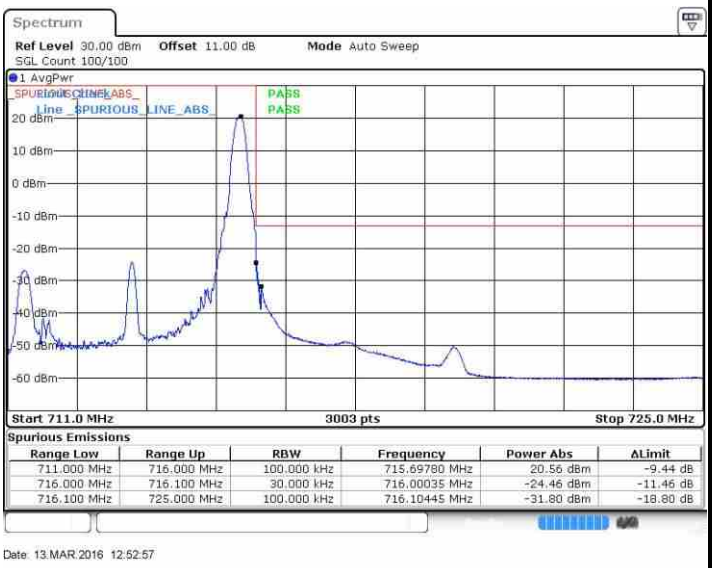
Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB

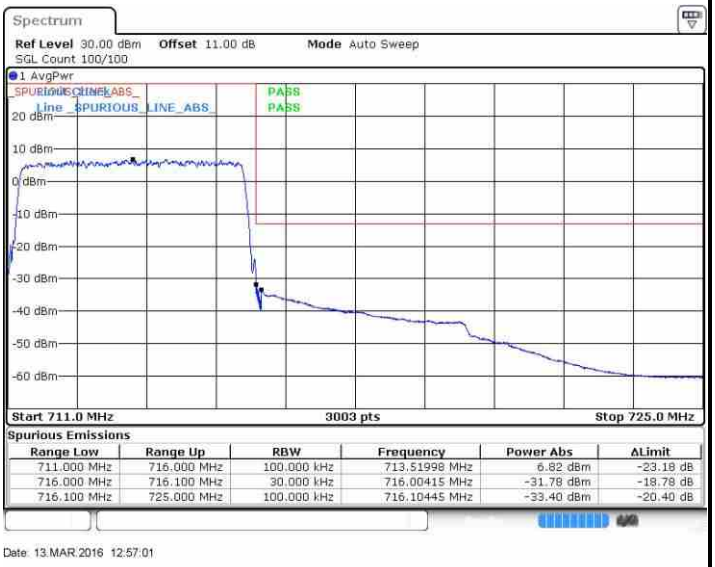


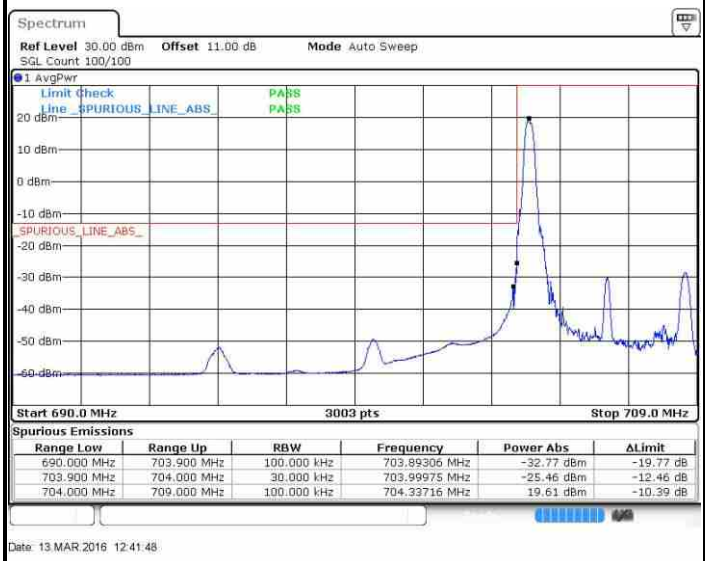
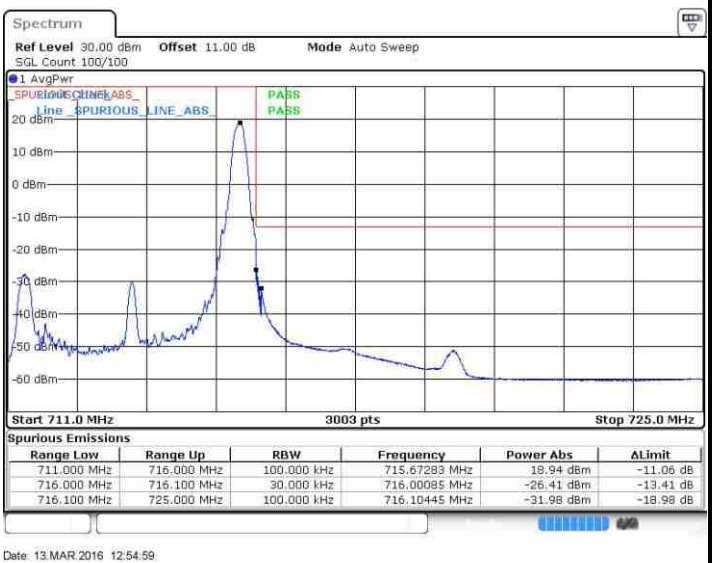
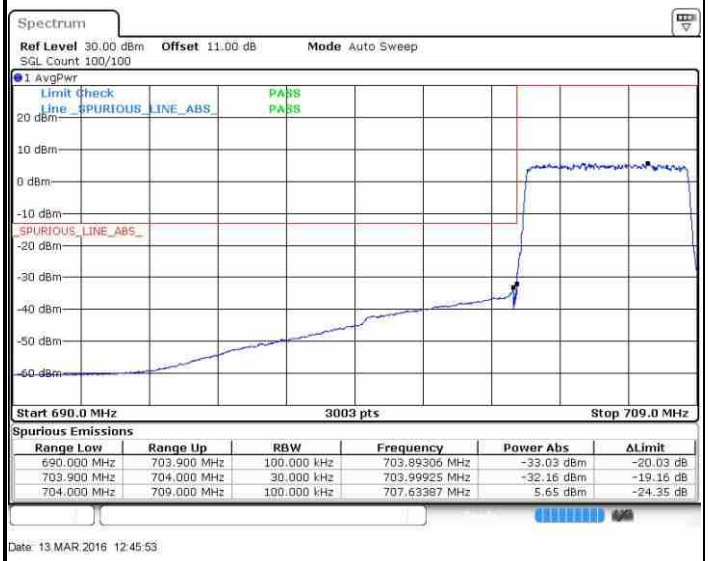
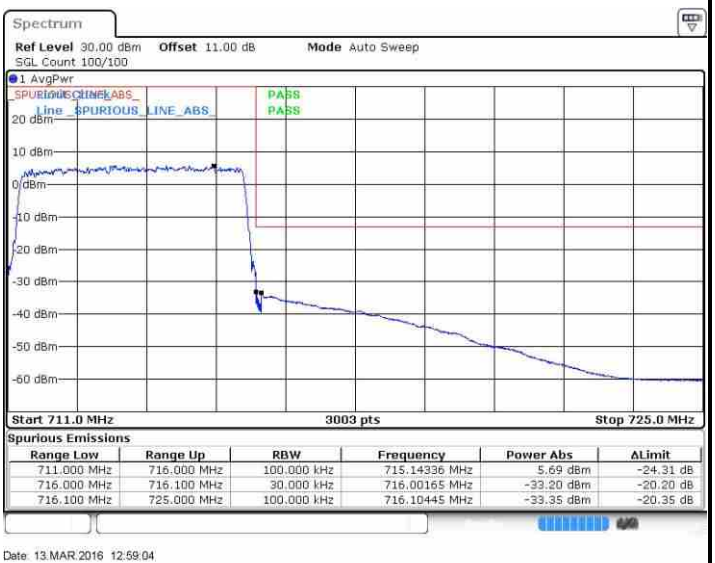
Highest Band Edge / 1 RB

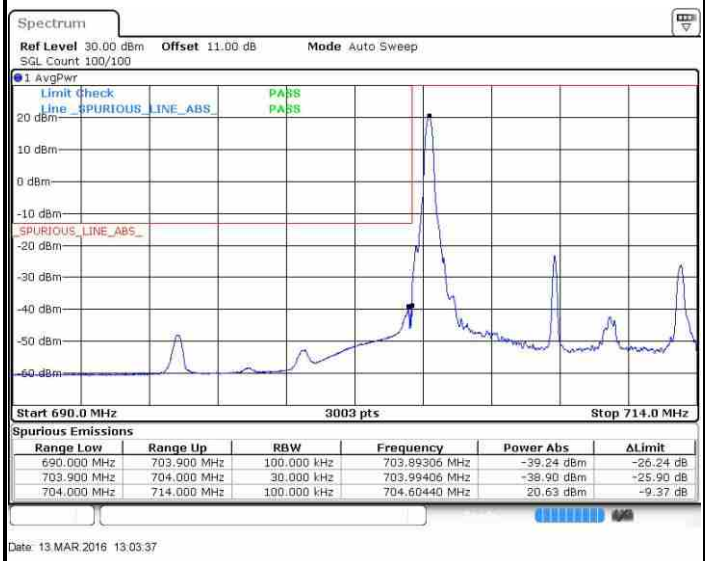
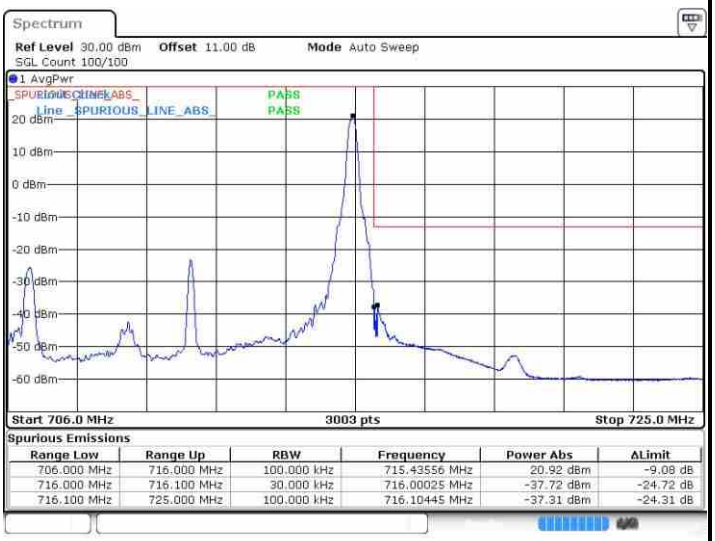
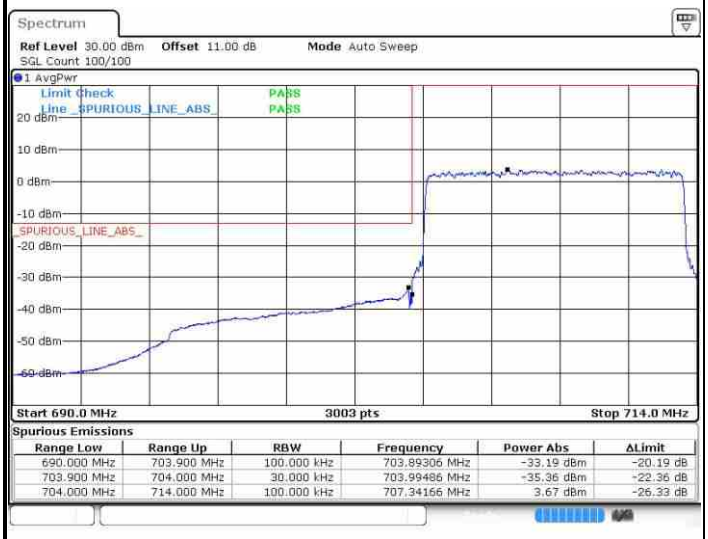
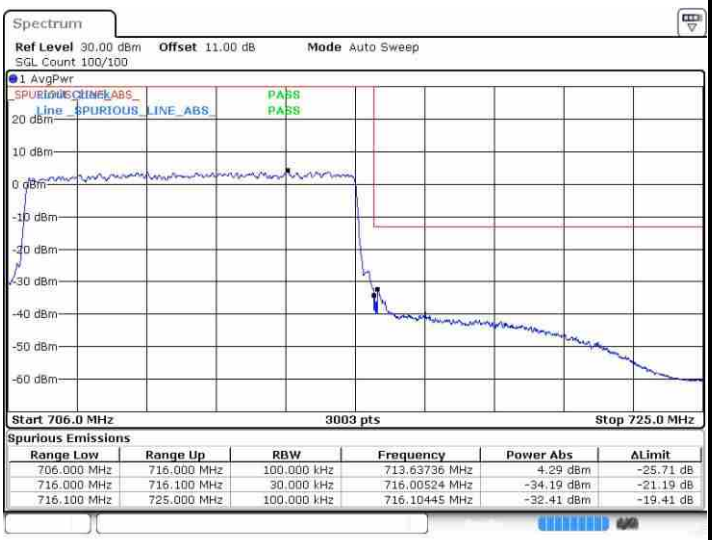


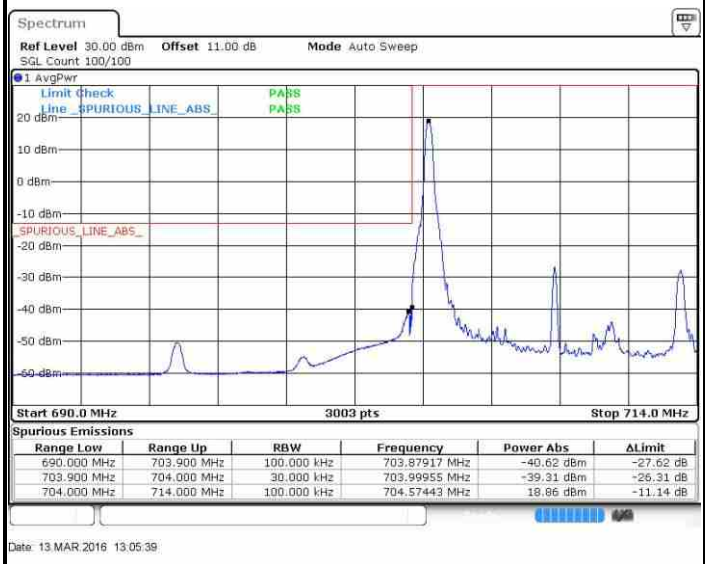
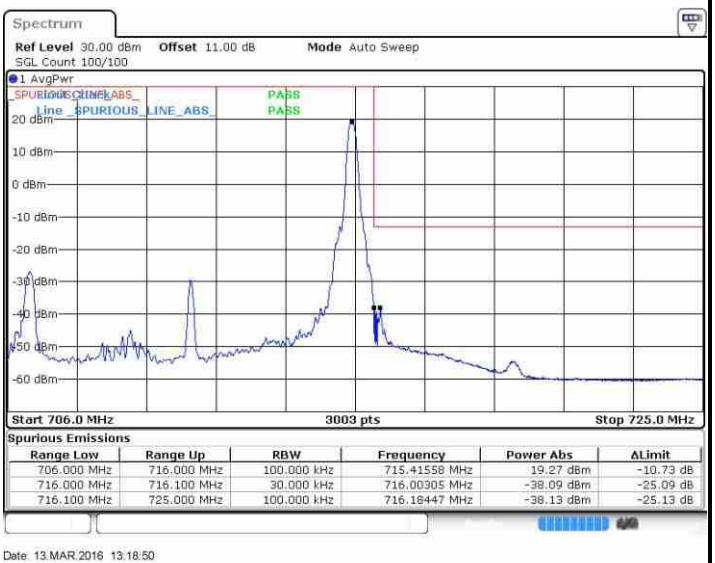
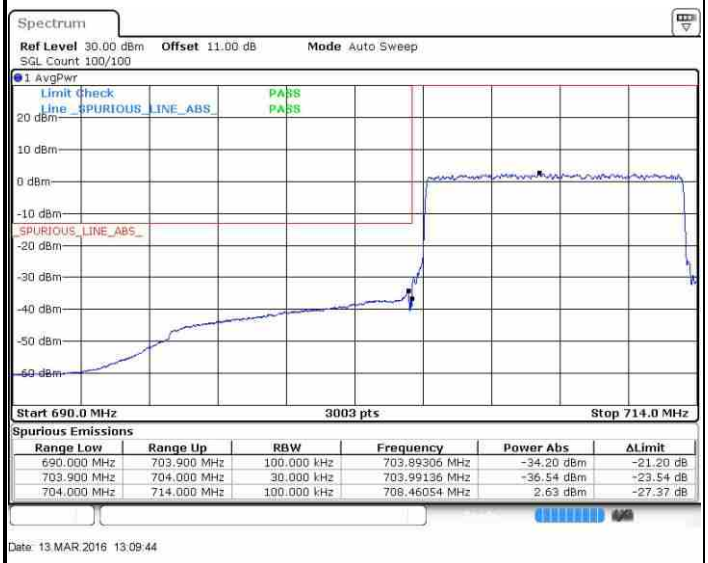
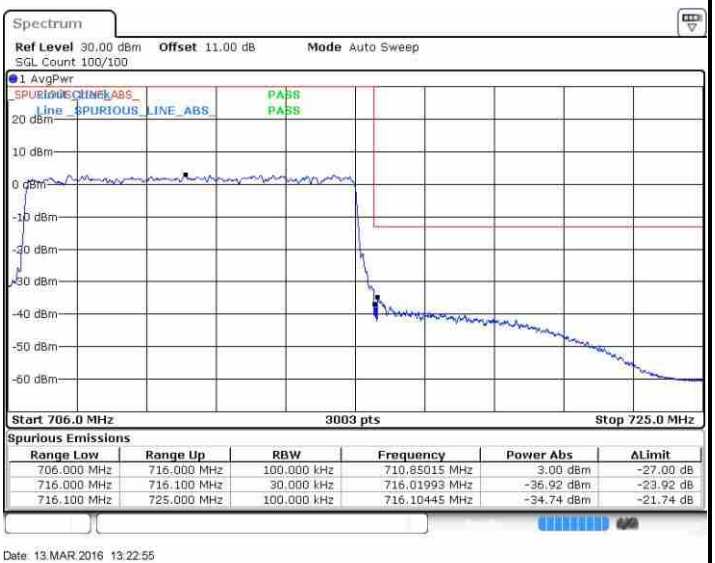
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



LTE Band 17 / 5MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

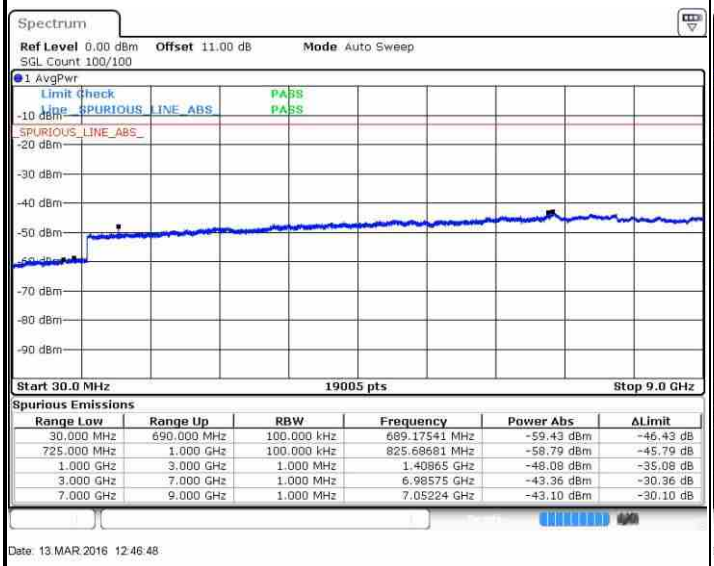
LTE Band 17 / 10MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 17 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

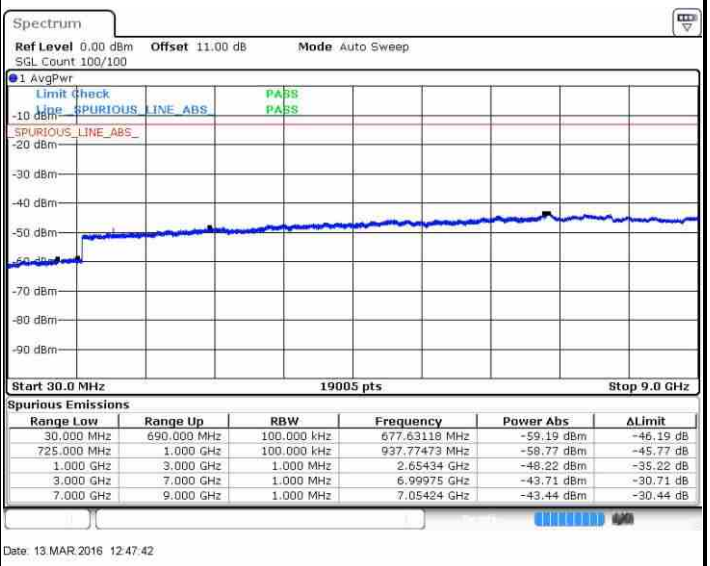


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.43 dBm	-46.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	825.68681 MHz	-58.79 dBm	-45.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40865 GHz	-48.08 dBm	-35.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-43.36 dBm	-30.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05224 GHz	-43.10 dBm	-30.10 dB

Date: 13.MAR.2016 12:46:48

Lowest Channel / 16QAM

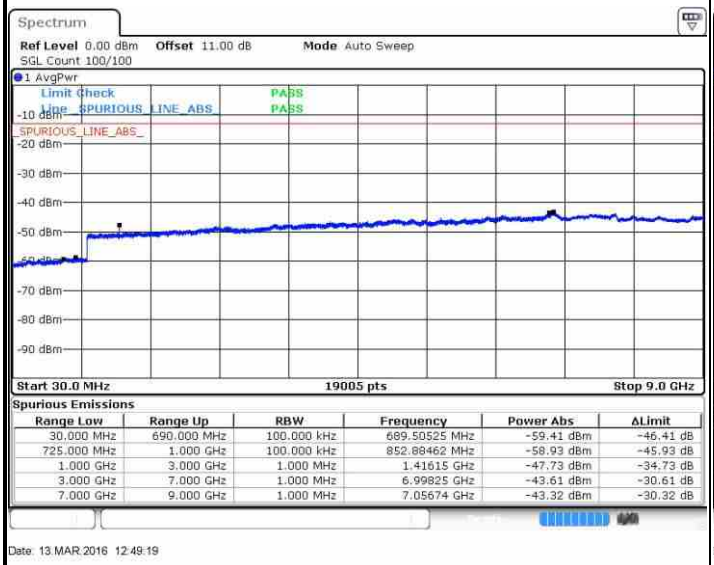


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	677.63118 MHz	-59.19 dBm	-46.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	937.77473 MHz	-58.77 dBm	-45.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.65434 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05424 GHz	-43.44 dBm	-30.44 dB

Date: 13.MAR.2016 12:47:42

Middle Channel / QPSK

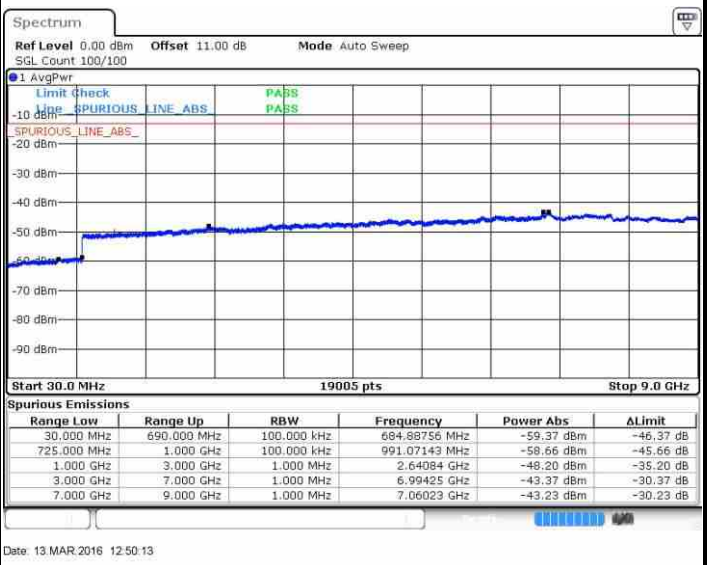


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-59.41 dBm	-46.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	852.88462 MHz	-58.93 dBm	-45.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-47.73 dBm	-34.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-43.61 dBm	-30.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05674 GHz	-43.32 dBm	-30.32 dB

Date: 13.MAR.2016 12:49:19

Middle Channel / 16QAM



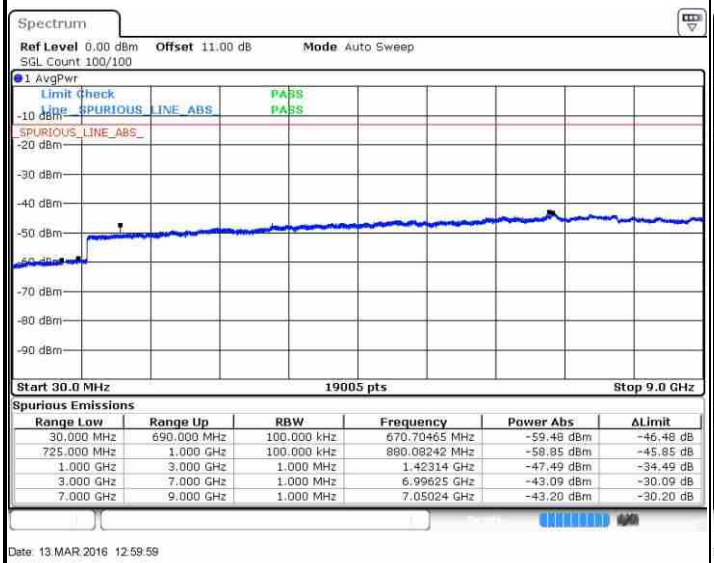
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.88756 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.64084 GHz	-48.20 dBm	-35.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.37 dBm	-30.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06023 GHz	-43.23 dBm	-30.23 dB

Date: 13.MAR.2016 12:50:13

LTE Band 17 / 5MHz

Highest Channel / QPSK

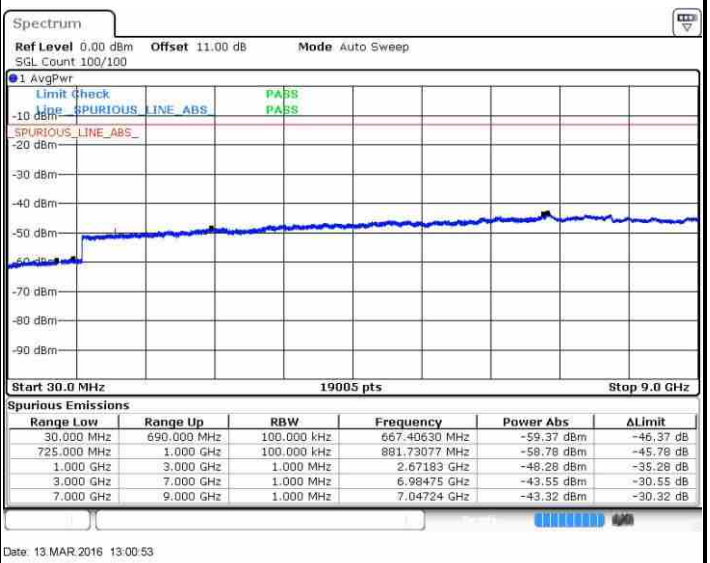


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.70465 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	880.08242 MHz	-58.85 dBm	-45.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-47.49 dBm	-34.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-43.09 dBm	-30.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05024 GHz	-43.20 dBm	-30.20 dB

Date: 13.MAR.2016 12:59:59

Highest Channel / 16QAM



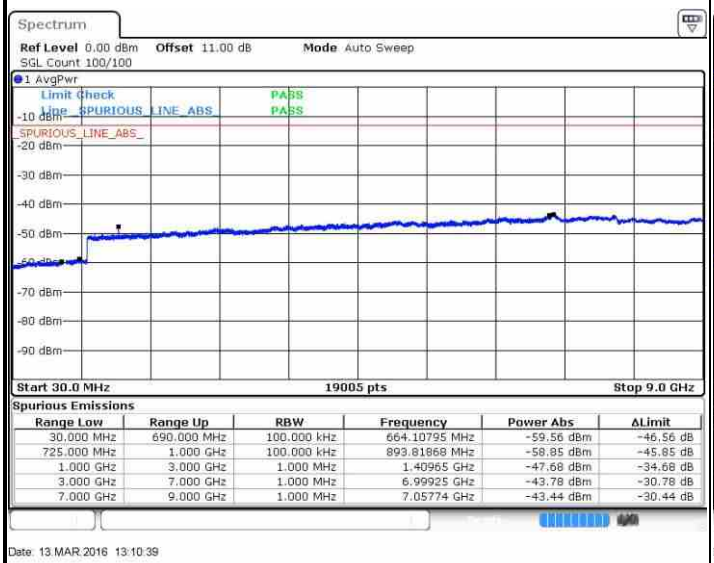
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	667.40630 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	881.73077 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67183 GHz	-48.28 dBm	-35.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-43.55 dBm	-30.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04724 GHz	-43.32 dBm	-30.32 dB

Date: 13.MAR.2016 13:00:53

LTE Band 17 / 10MHz

Lowest Channel / QPSK

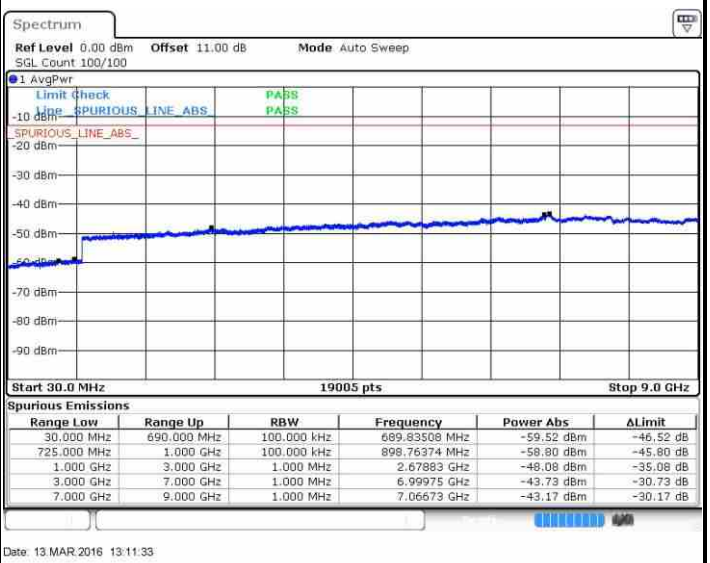


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	664.10795 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	893.81868 MHz	-58.85 dBm	-45.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40965 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.78 dBm	-30.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05774 GHz	-43.44 dBm	-30.44 dB

Date: 13.MAR.2016 13:10:39

Lowest Channel / 16QAM



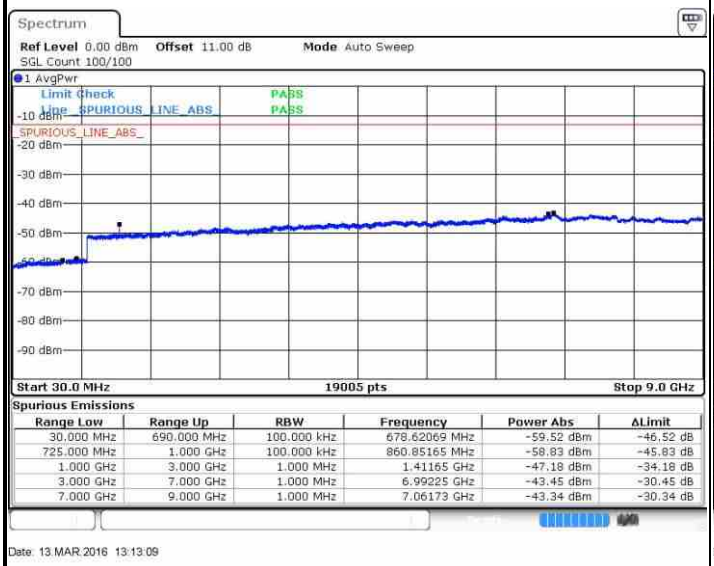
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.52 dBm	-46.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	898.76374 MHz	-58.80 dBm	-45.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67883 GHz	-48.08 dBm	-35.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06673 GHz	-43.17 dBm	-30.17 dB

Date: 13.MAR.2016 13:11:33

LTE Band 17 / 10MHz

Middle Channel / QPSK

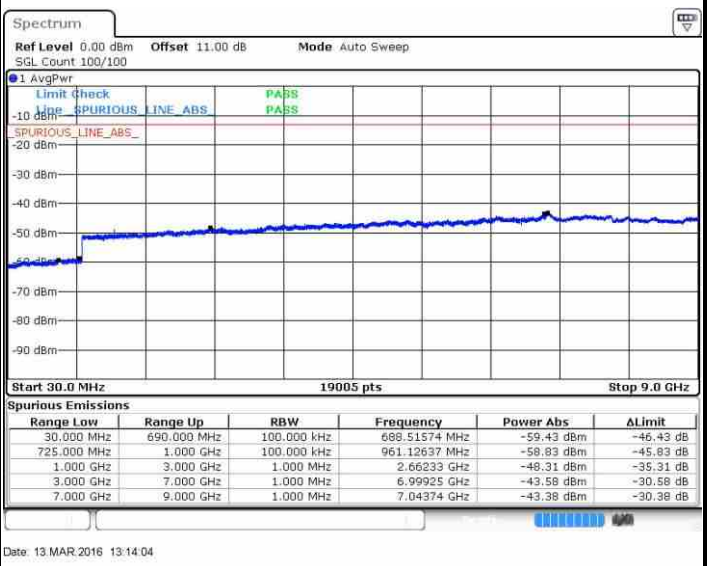


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.62069 MHz	-59.52 dBm	-46.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	860.85165 MHz	-58.83 dBm	-45.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41165 GHz	-47.18 dBm	-34.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-43.45 dBm	-30.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06173 GHz	-43.34 dBm	-30.34 dB

Date: 13.MAR.2016 13:13:09

Middle Channel / 16QAM

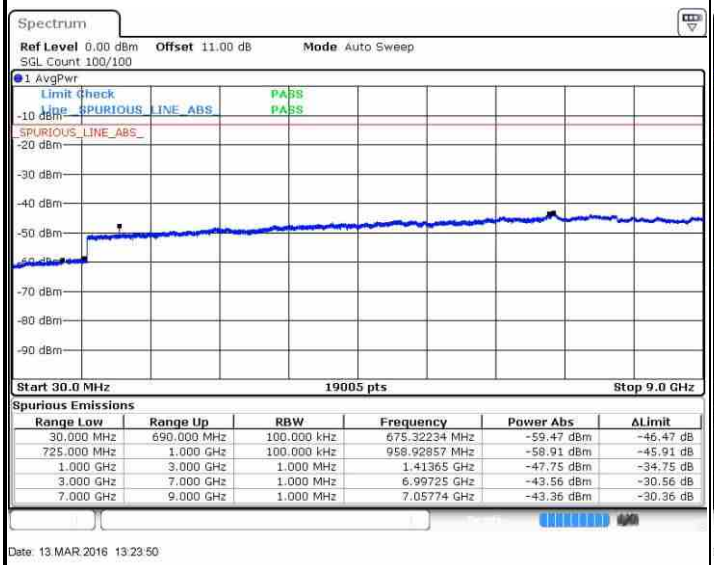


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-59.43 dBm	-46.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.12637 MHz	-58.83 dBm	-45.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66233 GHz	-48.31 dBm	-35.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.58 dBm	-30.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04374 GHz	-43.38 dBm	-30.38 dB

Date: 13.MAR.2016 13:14:04

Highest Channel / QPSK

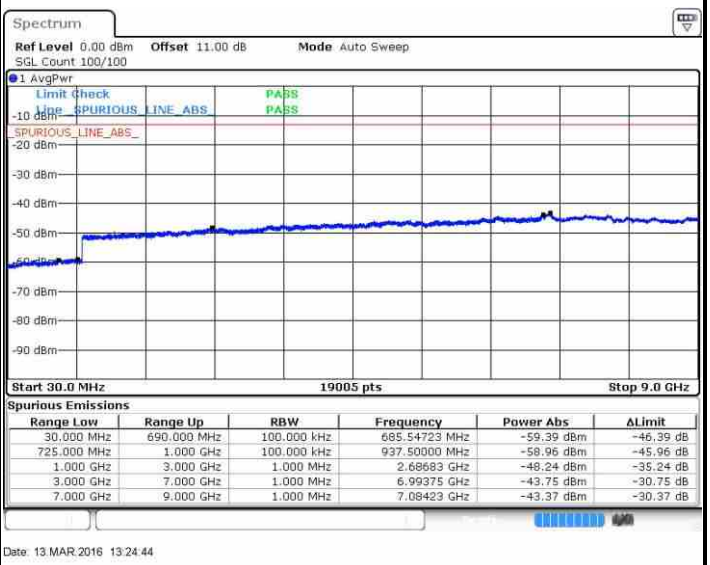


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	675.32234 MHz	-59.47 dBm	-46.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	958.92857 MHz	-58.91 dBm	-45.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05774 GHz	-43.36 dBm	-30.36 dB

Date: 13.MAR.2016 13:23:50

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	937.50000 MHz	-58.96 dBm	-45.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.68683 GHz	-48.24 dBm	-35.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08423 GHz	-43.37 dBm	-30.37 dB

Date: 13.MAR.2016 13:24:44

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0092	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

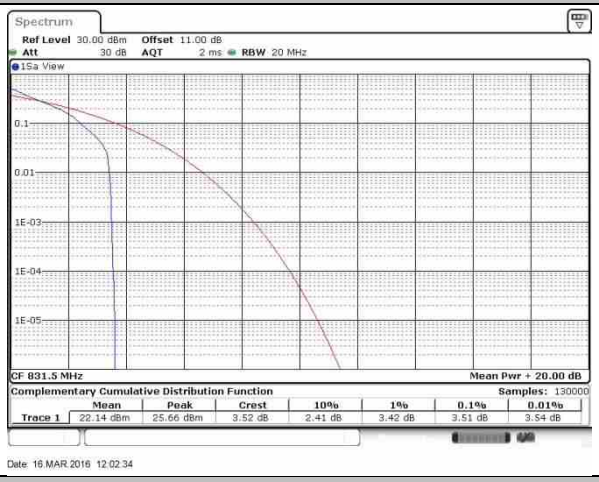
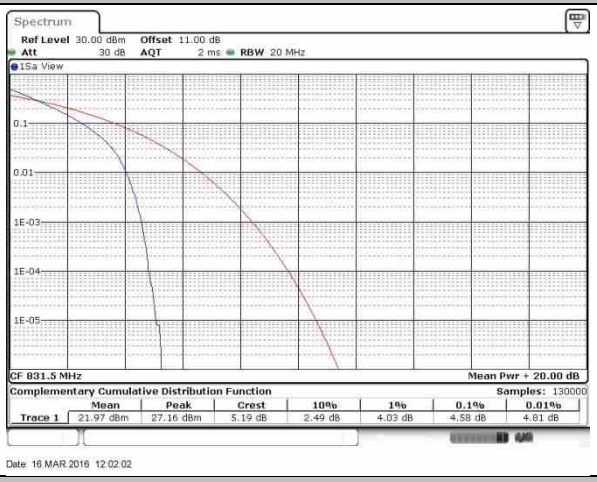
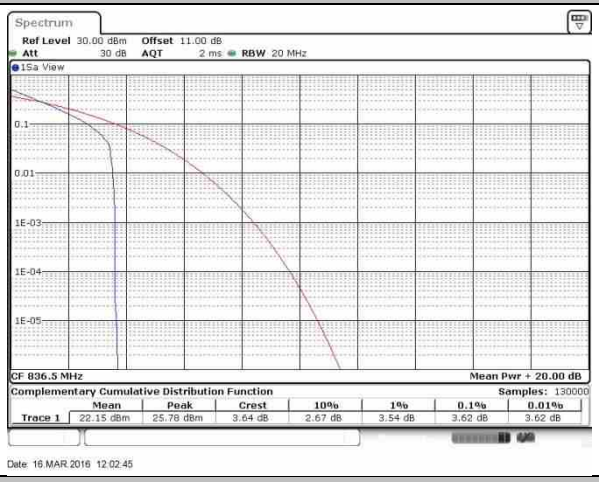
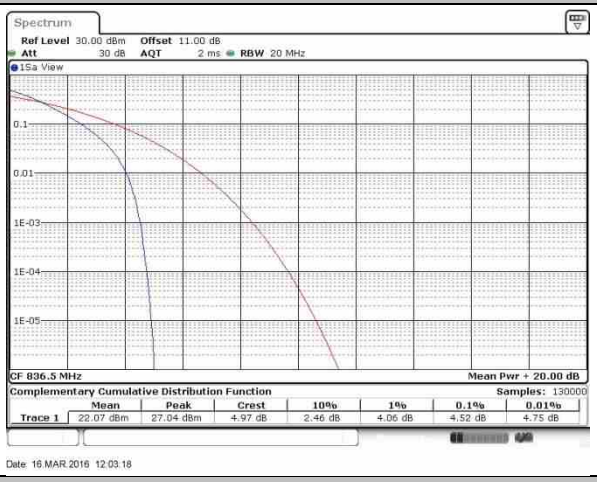
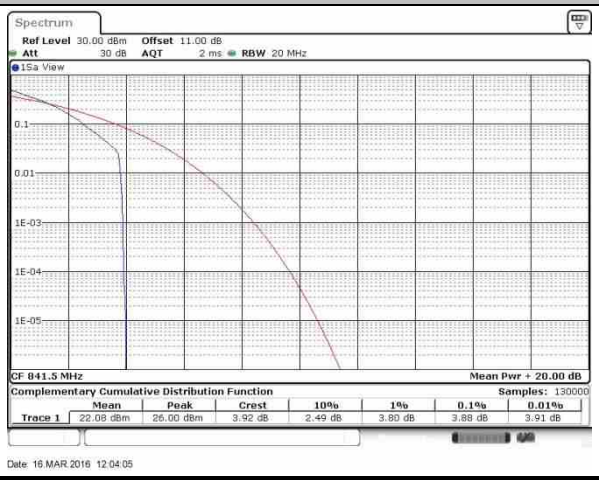
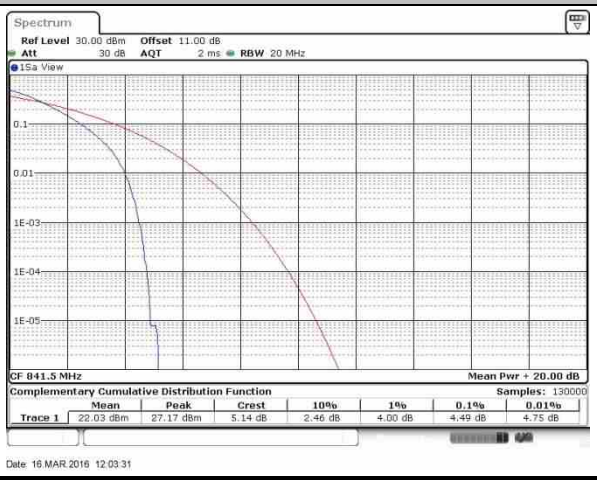
1. Normal Voltage = 3.8 V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.2 V

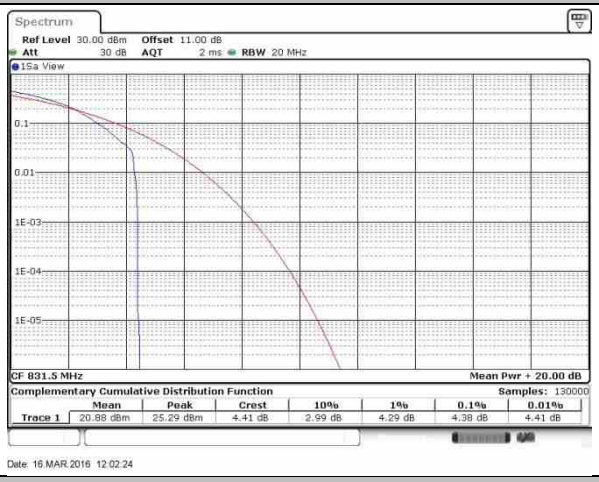
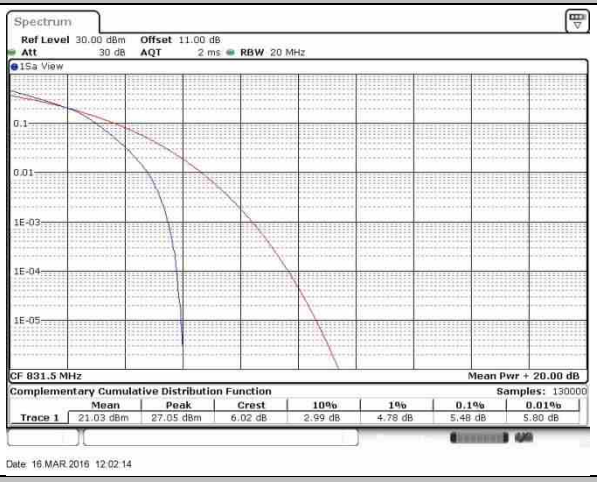
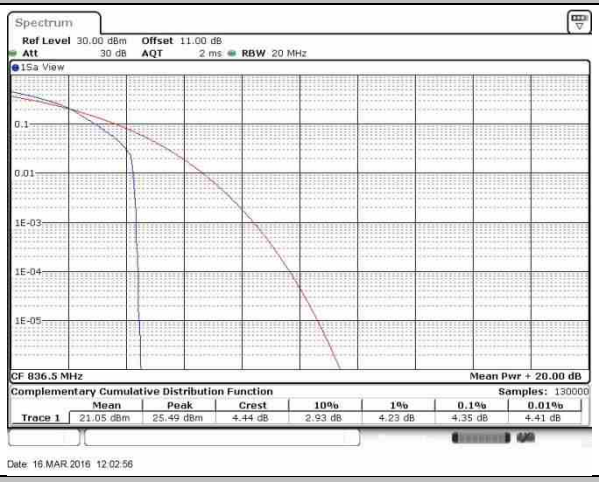
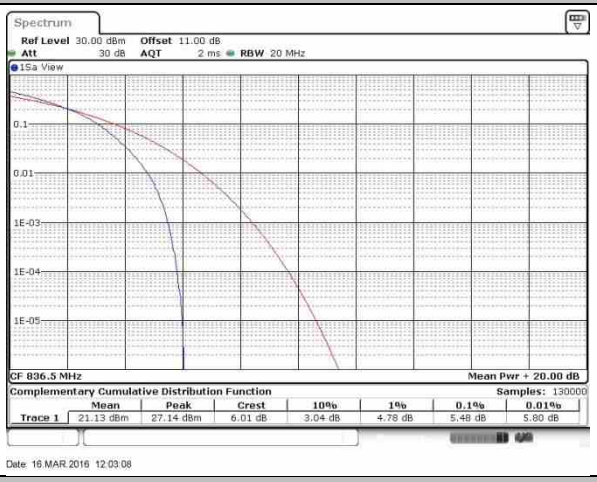
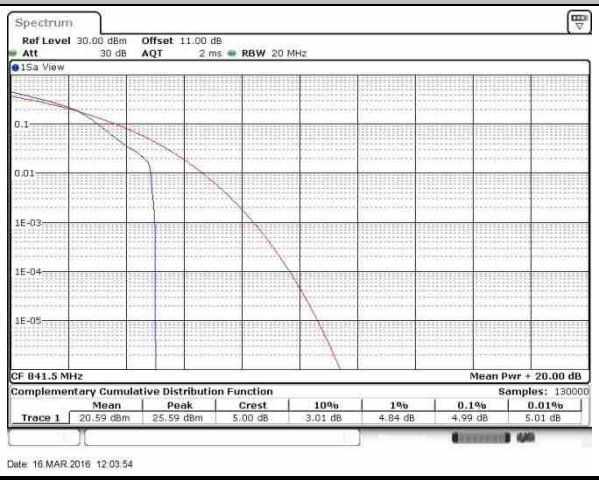
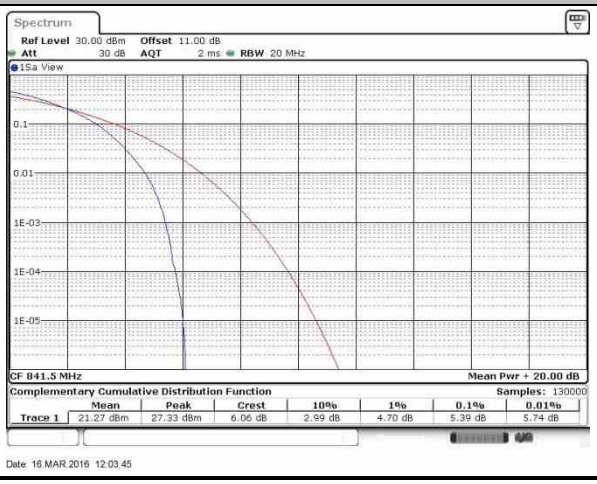
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 26_Part 22H

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.58	4.38	5.48	PASS
Middle CH	3.62	4.52	4.35	5.48	
Highest CH	3.88	4.49	4.99	5.39	

LTE Band 26 / 15MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

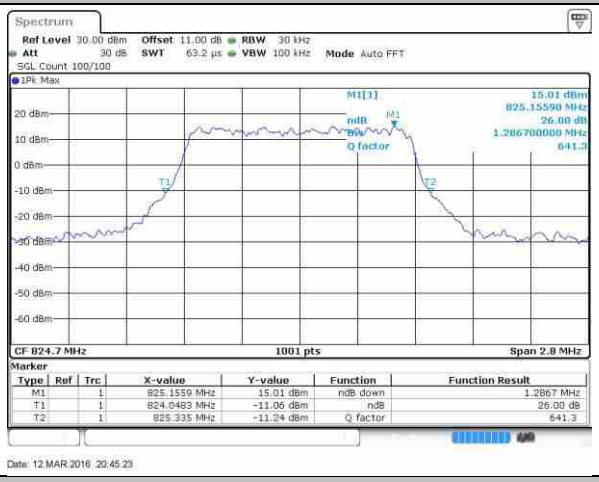
LTE Band 26 / 15MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

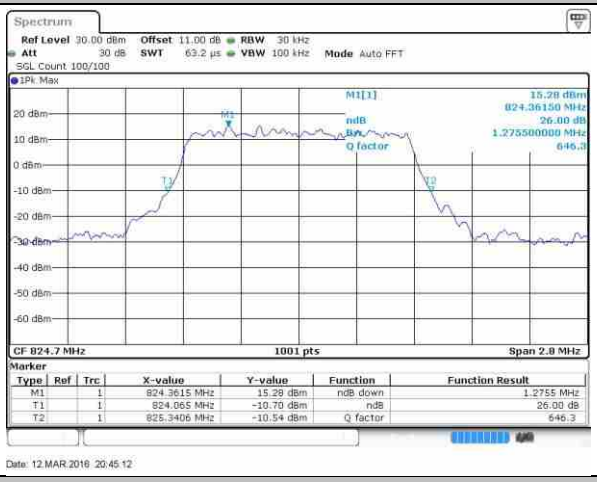
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.28	2.96	3.01	4.88	4.9	9.61	9.81	14.6	14.3	-	-
Middle CH	1.3	1.27	3.02	3.03	4.8	4.9	9.65	9.77	14.27	14.45	-	-
Highest CH	1.26	1.27	3.03	2.94	4.85	4.93	9.83	9.81	14.24	14.3	-	-

LTE Band 26

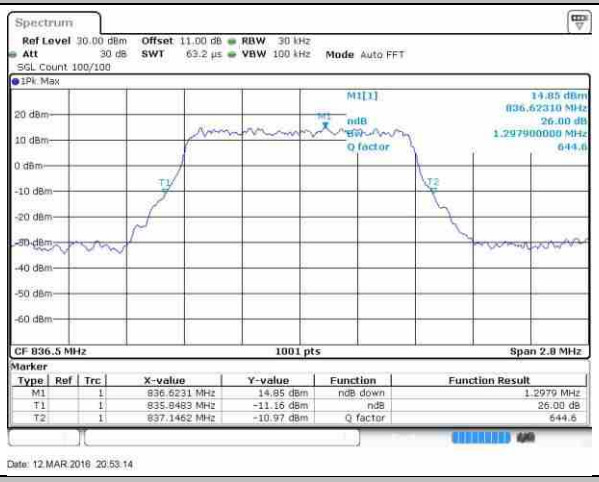
Lowest Channel / 1.4MHz / QPSK



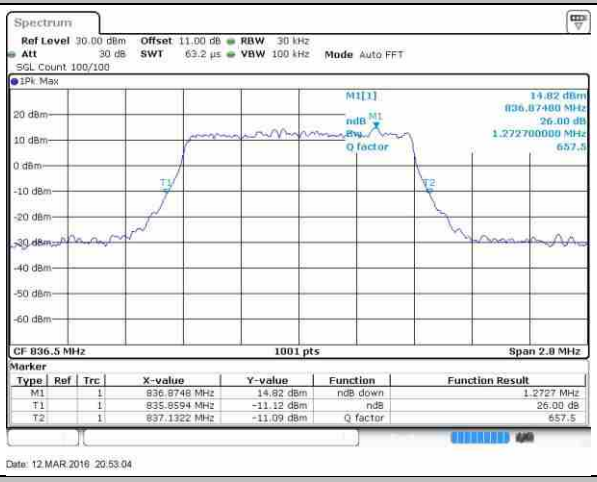
Lowest Channel / 1.4MHz / 16QAM



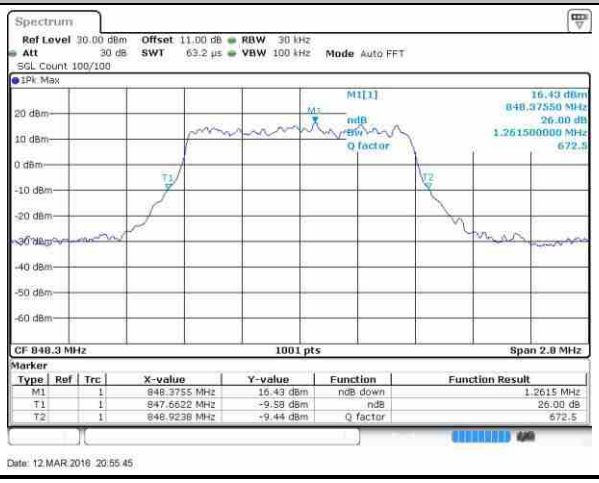
Middle Channel / 1.4MHz / QPSK



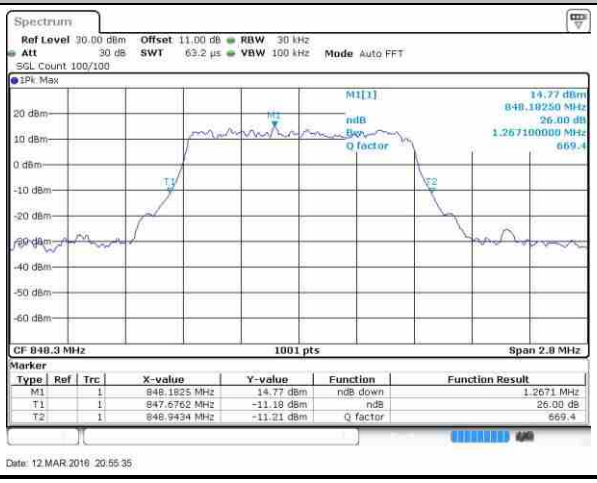
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

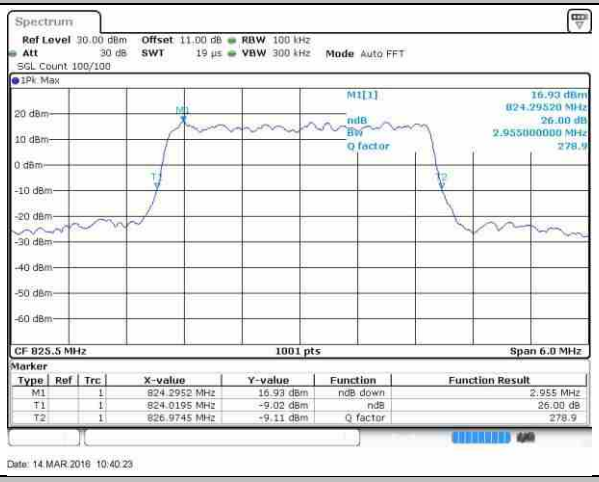


Highest Channel / 1.4MHz / 16QAM

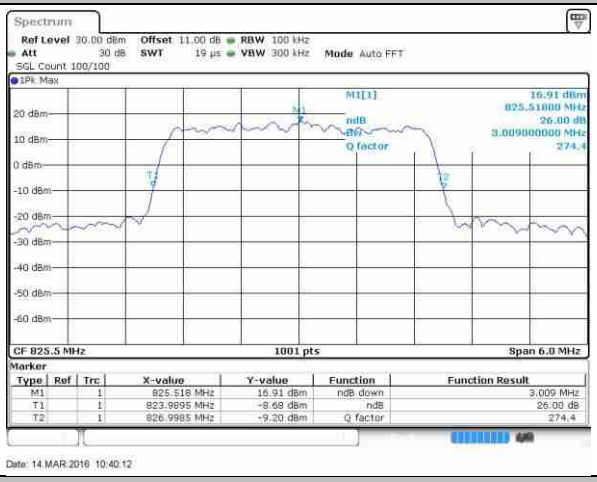


LTE Band 26

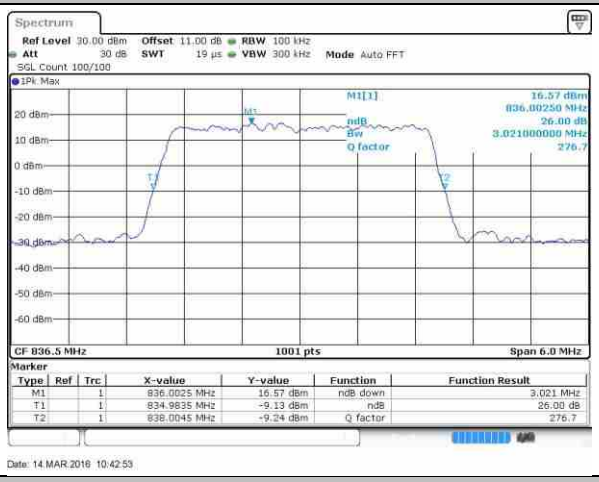
Lowest Channel / 3MHz / QPSK



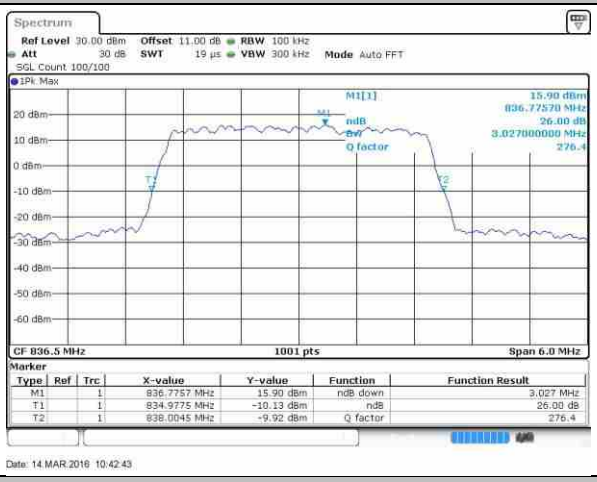
Lowest Channel / 3MHz / 16QAM



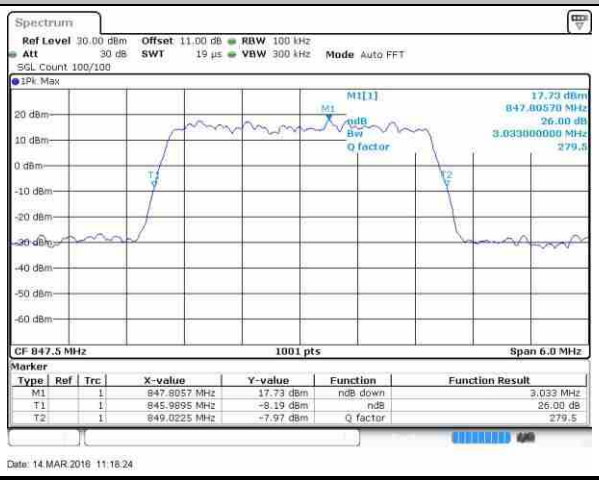
Middle Channel / 3MHz / QPSK



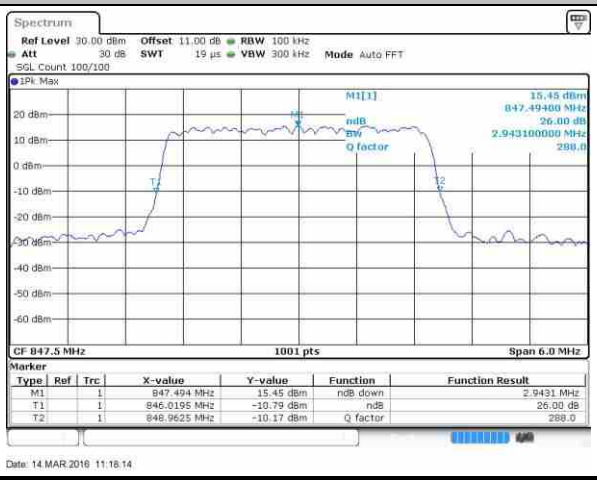
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

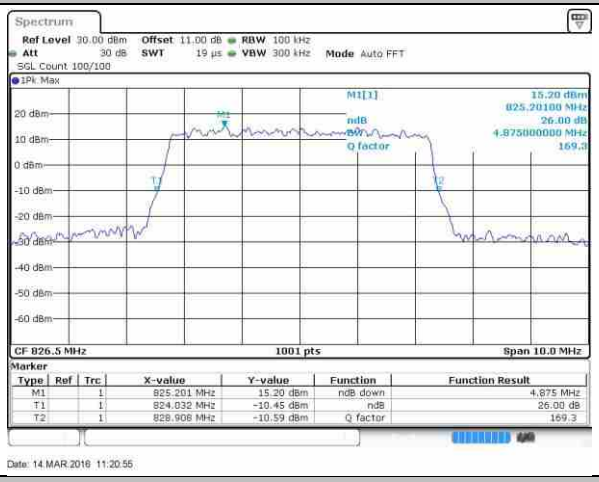


Highest Channel /3MHz / 16QAM

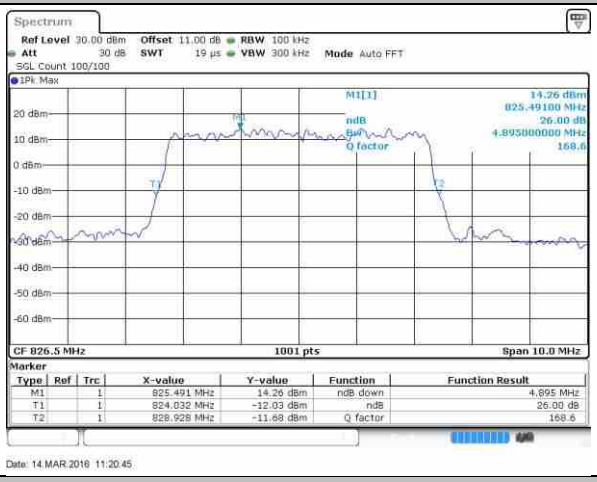


LTE Band 26

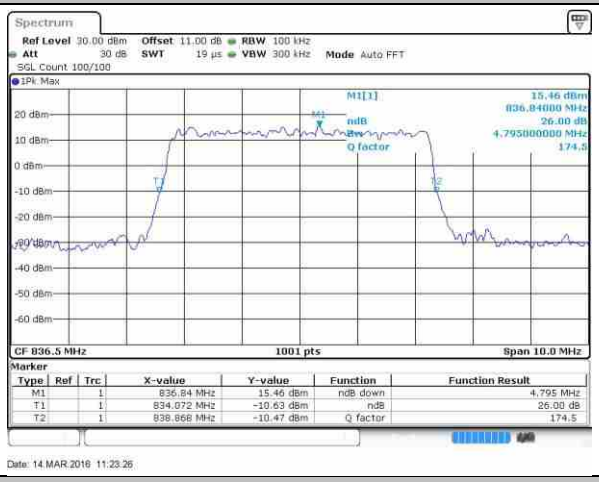
Lowest Channel / 5MHz / QPSK



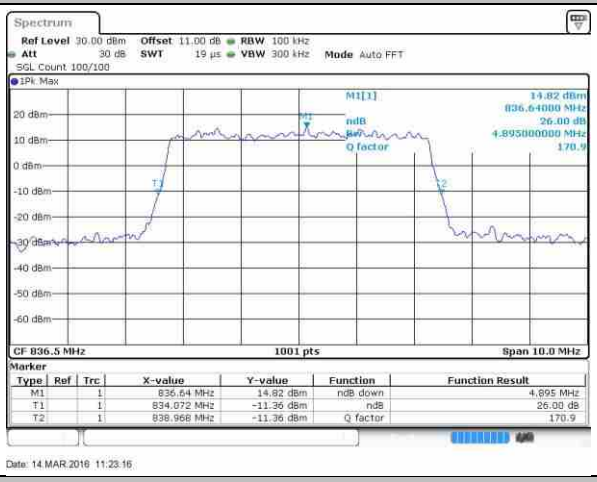
Lowest Channel / 5MHz / 16QAM



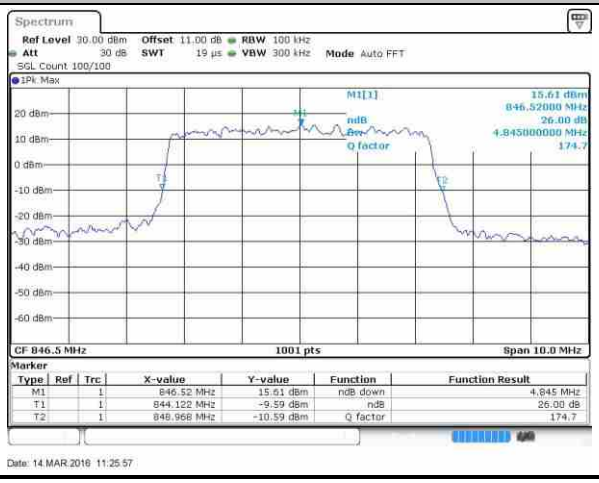
Middle Channel / 5MHz / QPSK



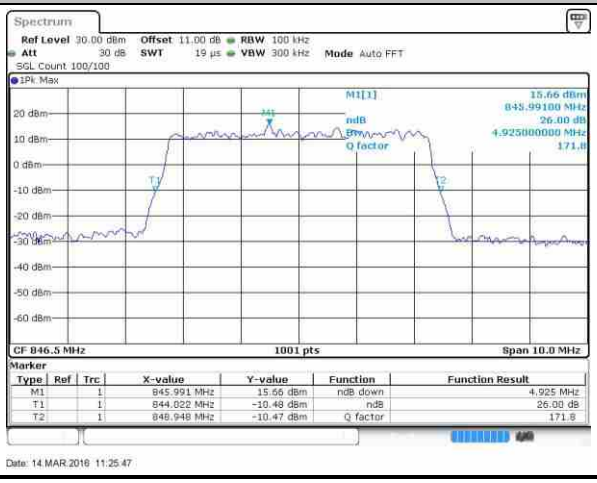
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

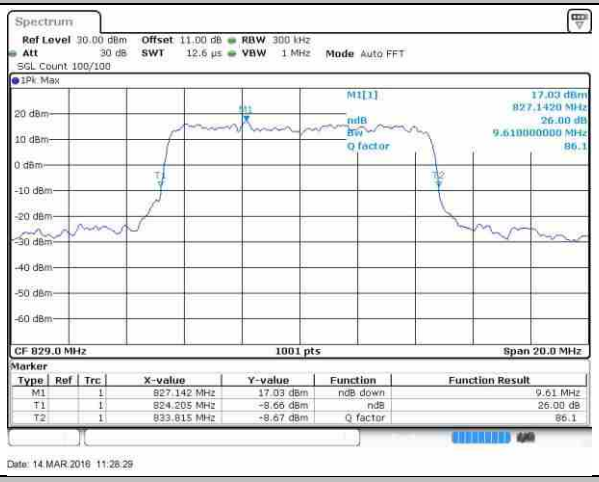


Highest Channel / 5MHz / 16QAM

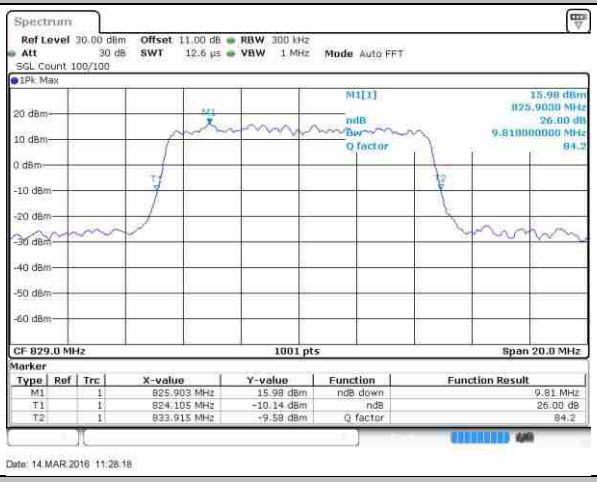


LTE Band 26

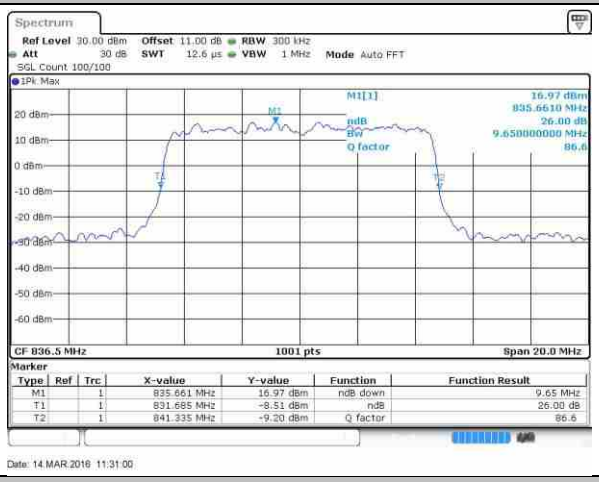
Lowest Channel / 10MHz / QPSK



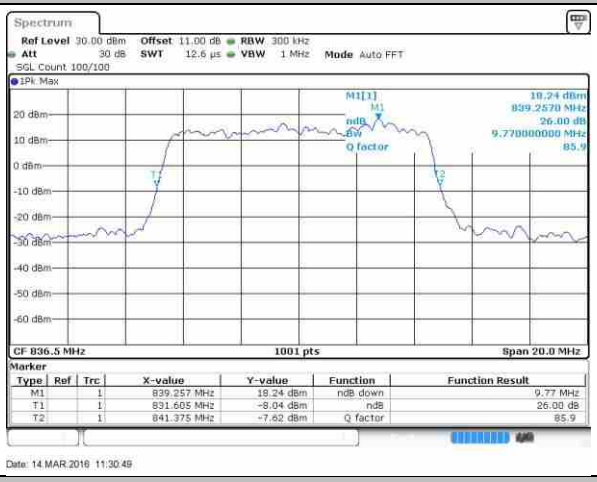
Lowest Channel / 10MHz / 16QAM



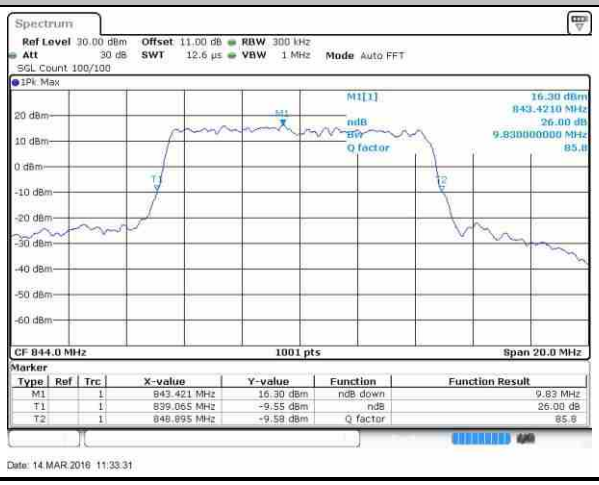
Middle Channel / 10MHz / QPSK



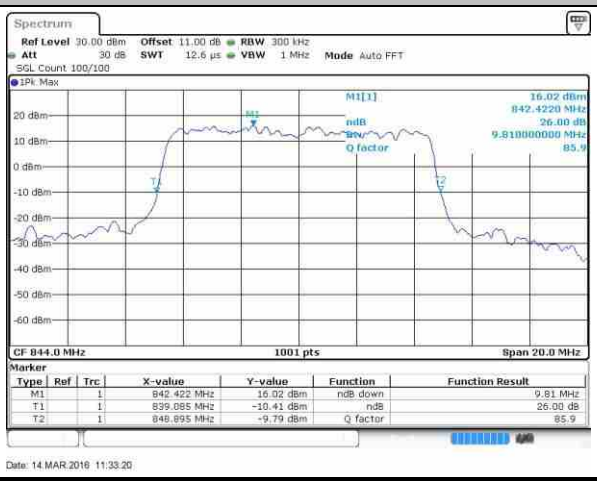
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

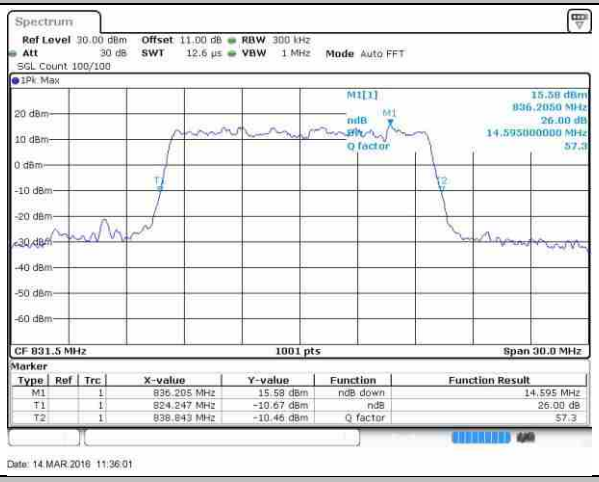


Highest Channel / 10MHz / 16QAM

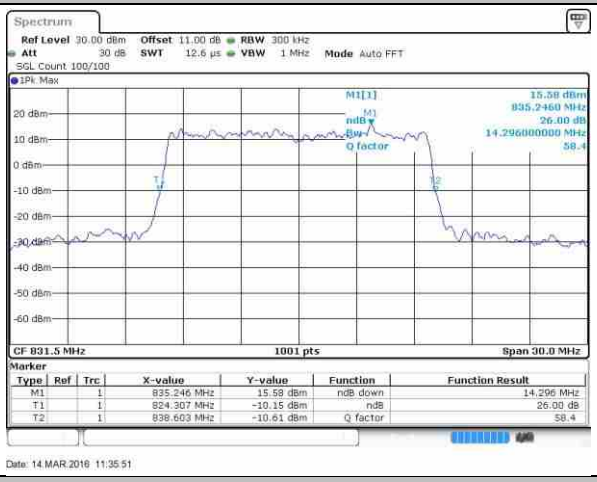


LTE Band 26

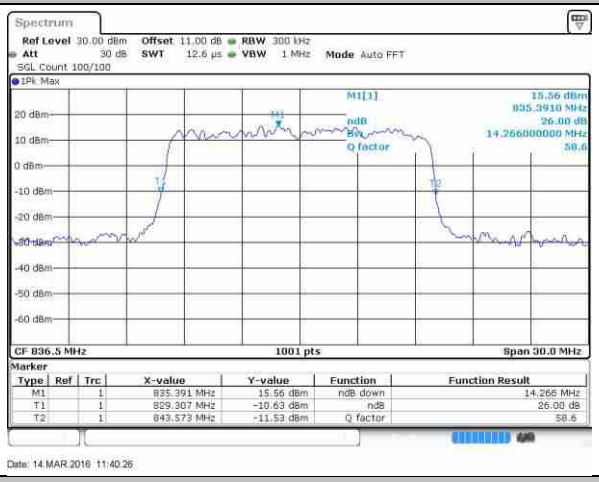
Lowest Channel / 15MHz / QPSK



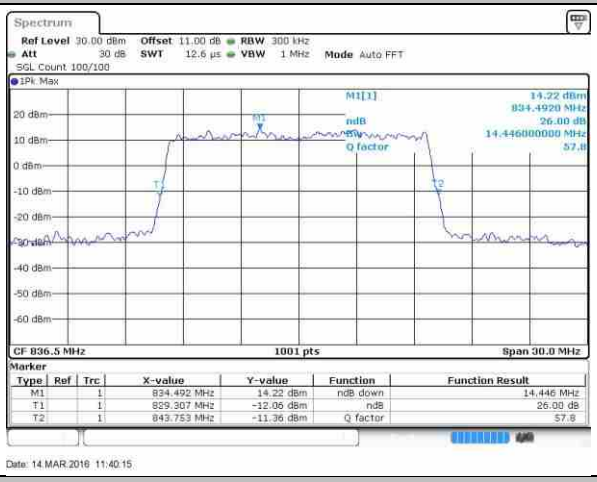
Lowest Channel / 15MHz / 16QAM



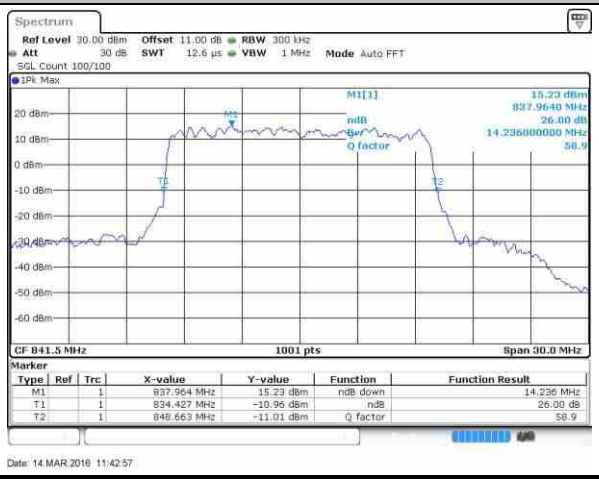
Middle Channel / 15MHz / QPSK



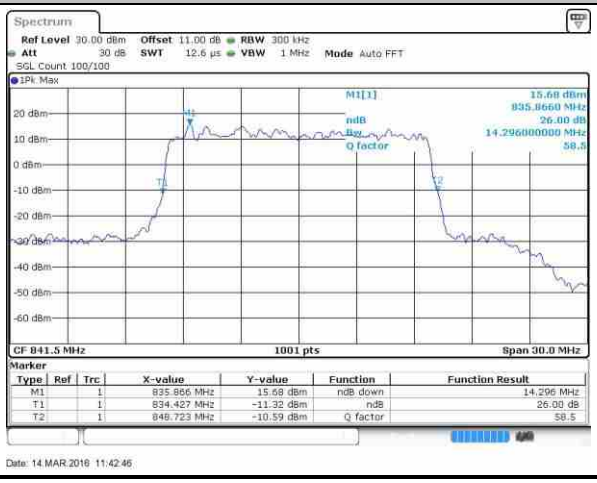
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM



Occupied Bandwidth

Mode	LTE Band 26 : 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	1.09	1.08	2.73	2.72	4.5	4.49	9.07	8.99	13.4	13.4	-	-
Middle CH	1.09	1.09	2.7	2.69	4.48	4.51	9.05	9.01	13.46	13.37	-	-
Highest CH	1.09	1.1	2.71	2.7	4.5	4.48	9.01	8.99	13.34	13.46	-	-