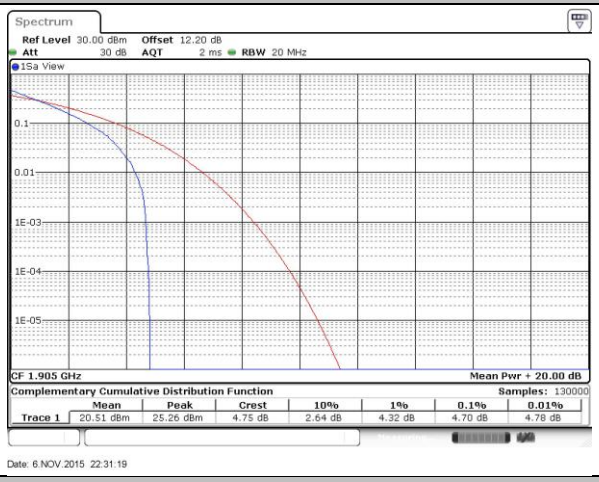
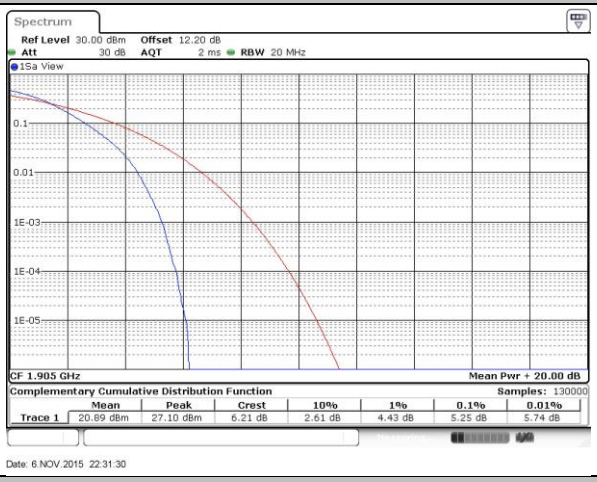
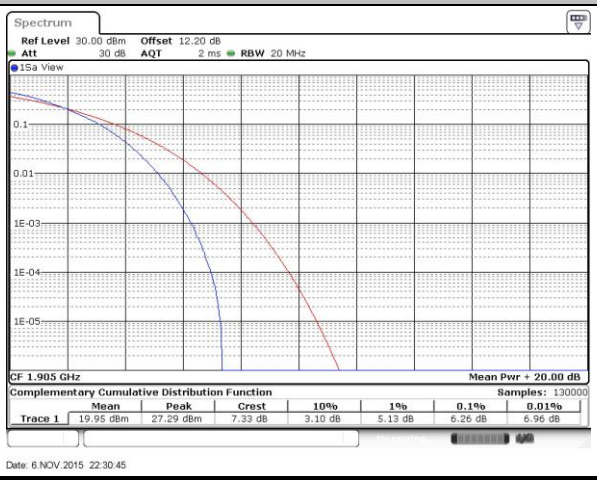
LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	-	-	-	-	
Highest CH	4.7	5.25	6.14	6.26	

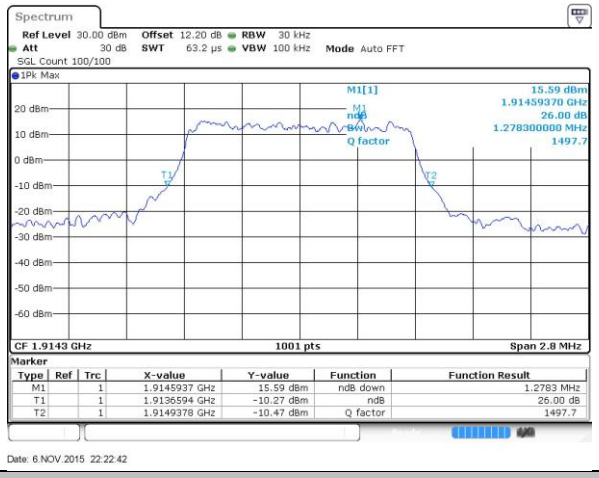
LTE Band 25 / 20MHz / QPSK	
Highest Channel / 1RB	**Highest Channel / Full RB**
	
LTE Band 25 / 20MHz / 16QAM	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

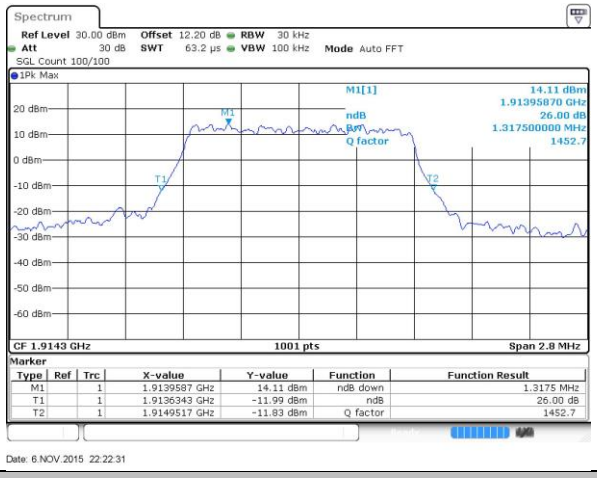
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	1.28	1.32	3.02	3.07	4.98	4.9	9.83	9.87	14.27	14.48	20.22	20.18

LTE Band 25

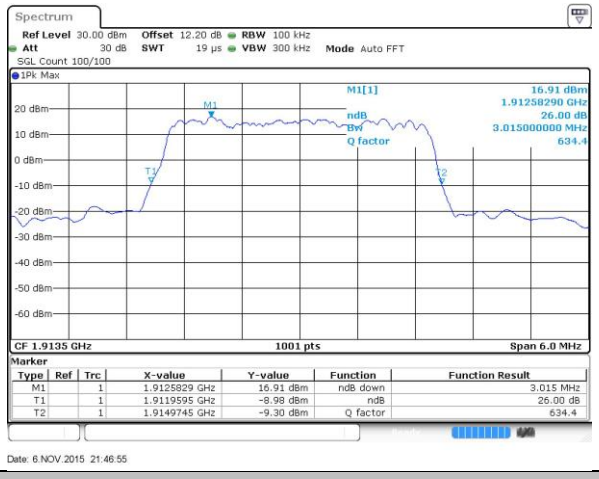
Highest Channel / 1.4MHz / QPSK



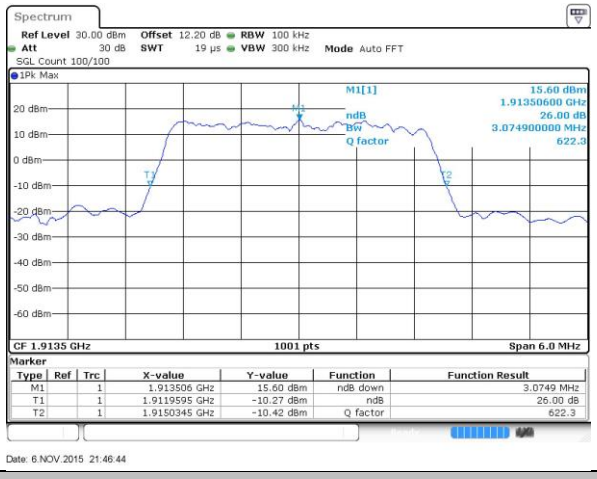
Highest Channel / 1.4MHz / 16QAM



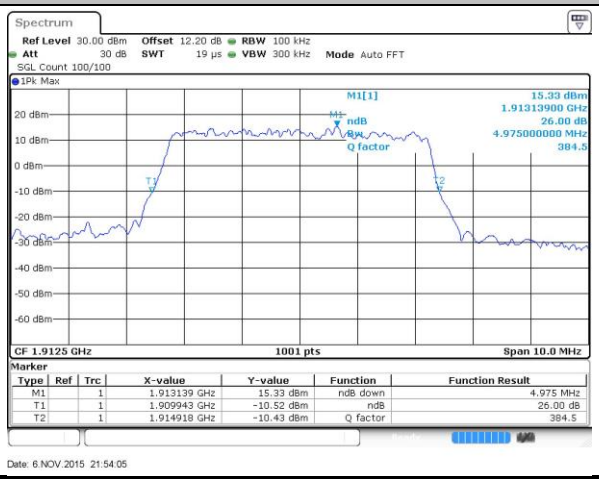
Highest Channel /3MHz / QPSK



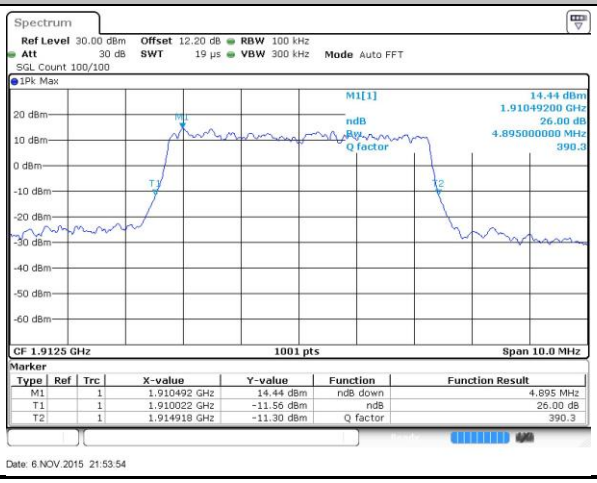
Highest Channel /3MHz / 16QAM



Highest Channel / 5MHz / QPSK

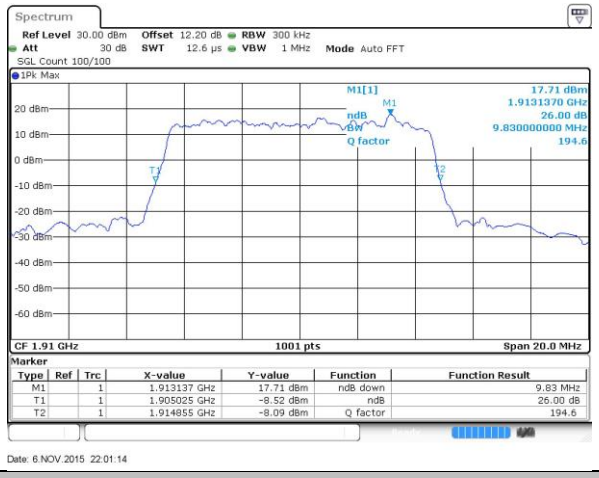


Highest Channel / 5MHz / 16QAM

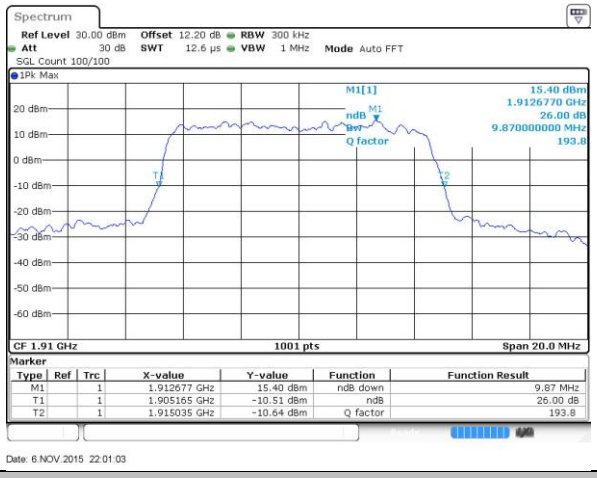


LTE Band 25

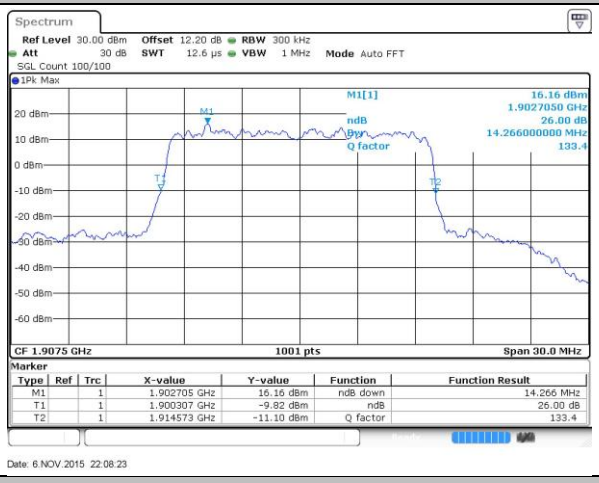
Highest Channel / 10MHz / QPSK



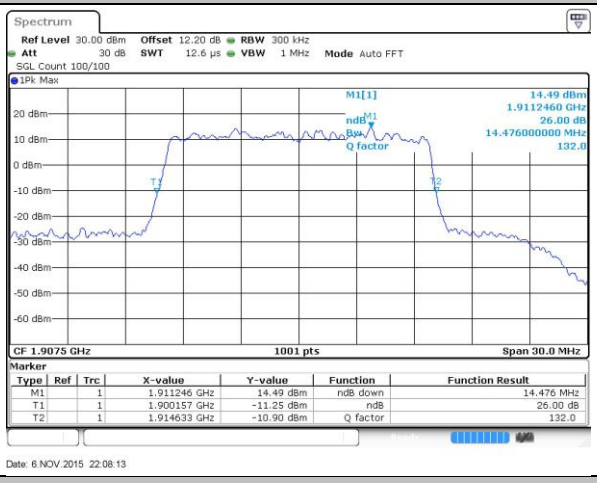
Highest Channel / 10MHz / 16QAM



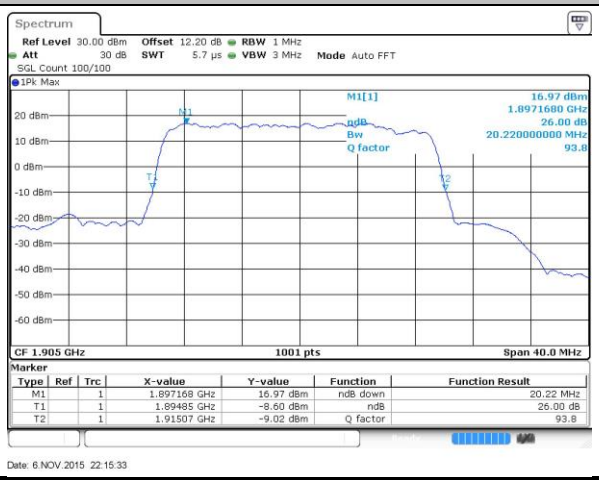
Highest Channel / 15MHz / QPSK



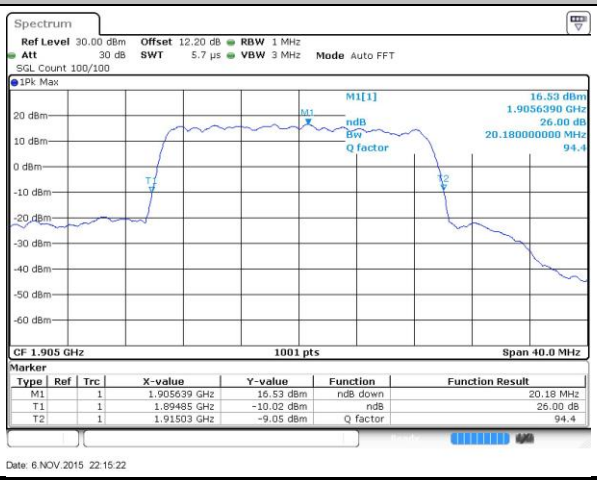
Highest Channel / 15MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

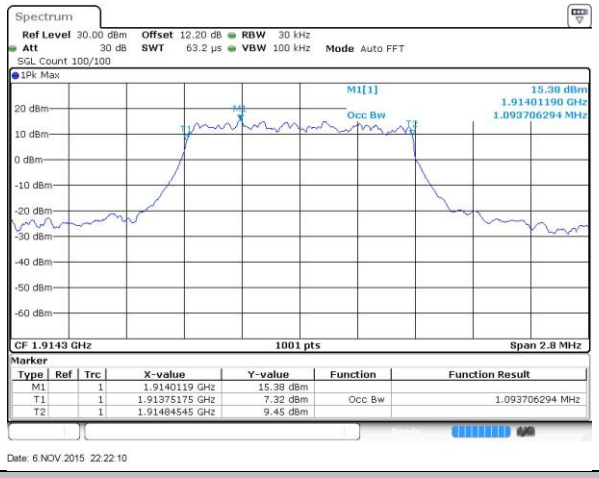


Occupied Bandwidth

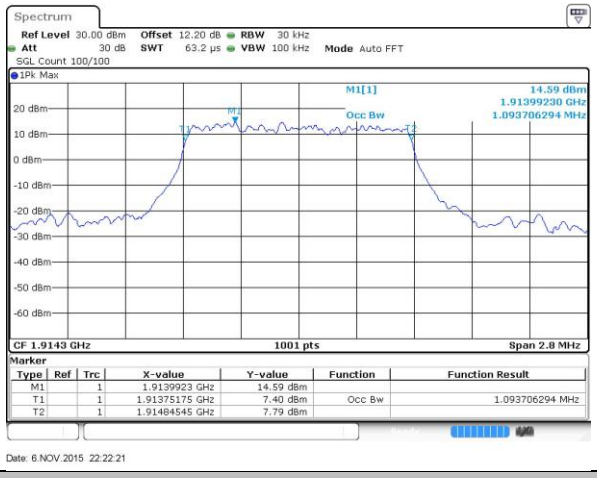
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	1.09	1.09	2.7	2.69	4.51	4.48	8.95	8.99	13.34	13.43	18.22	18.42

LTE Band 25

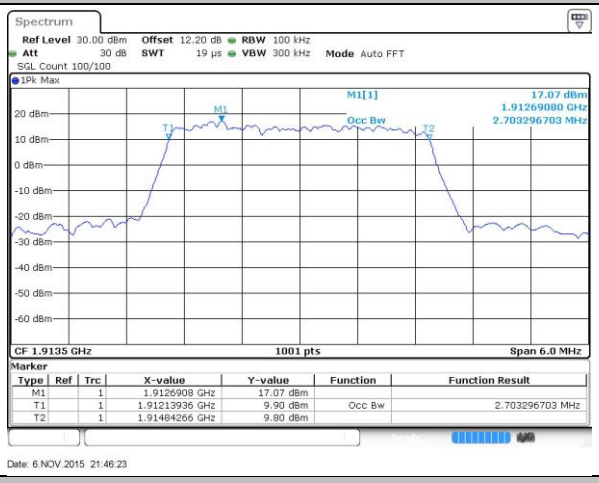
Highest Channel / 1.4MHz / QPSK



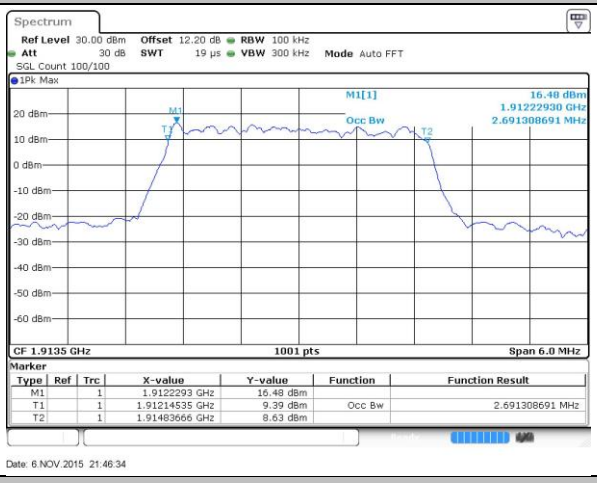
Highest Channel / 1.4MHz / 16QAM



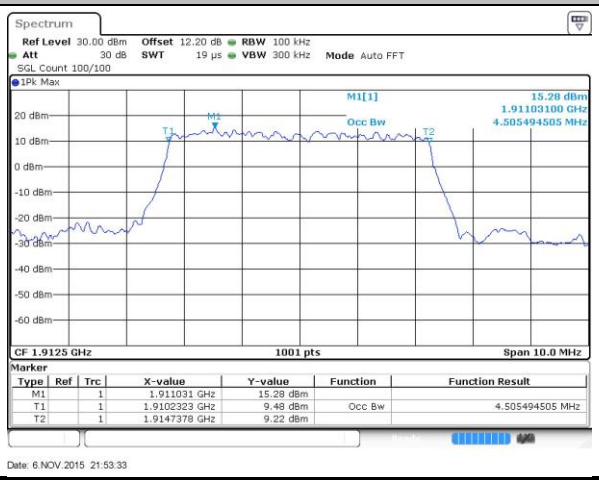
Highest Channel / 3MHz / QPSK



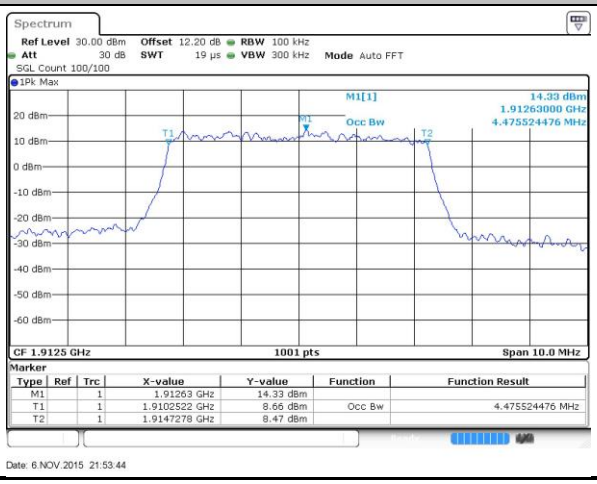
Highest Channel / 3MHz / 16QAM



Highest Channel / 5MHz / QPSK

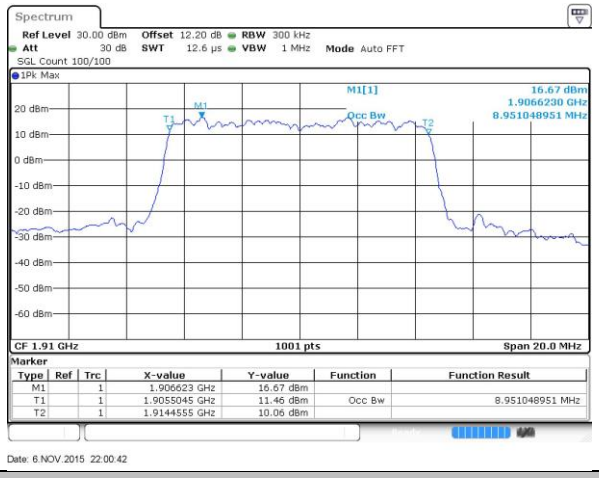


Highest Channel / 5MHz / 16QAM

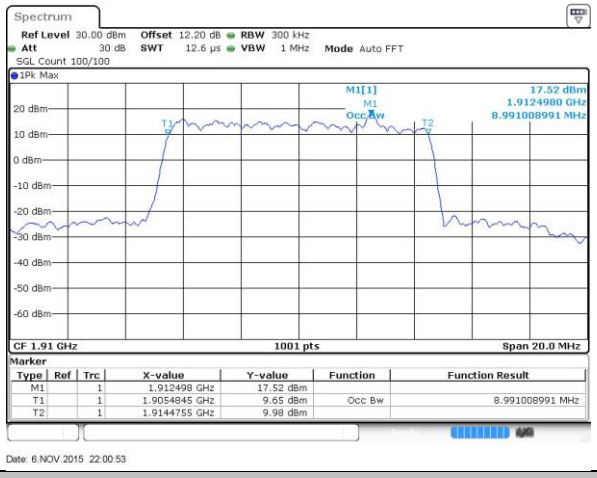


LTE Band 25

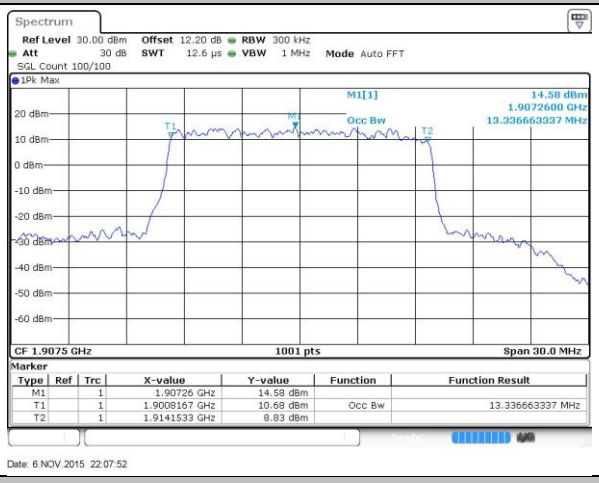
Highest Channel / 10MHz / QPSK



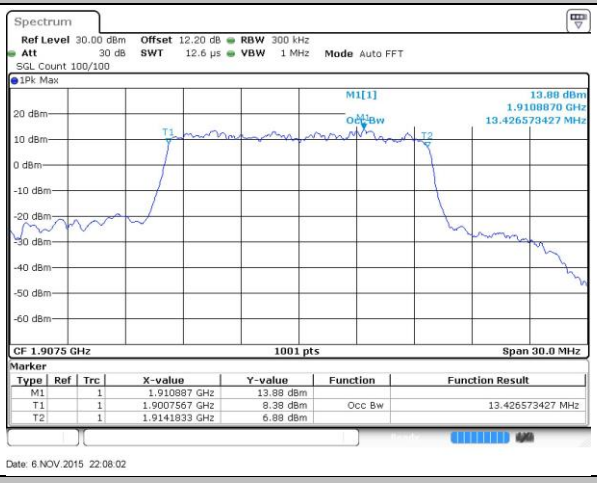
Highest Channel / 10MHz / 16QAM



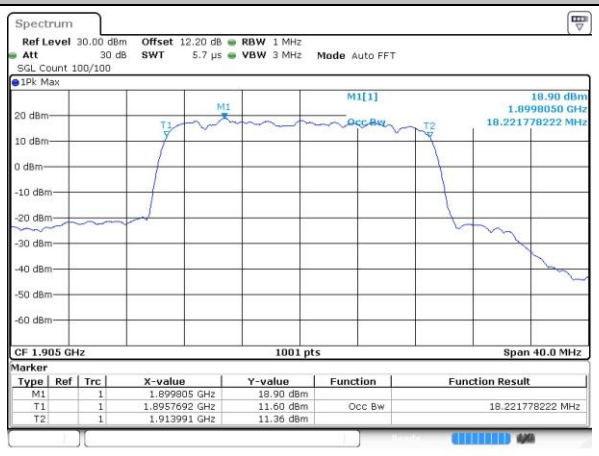
Highest Channel / 15MHz / QPSK



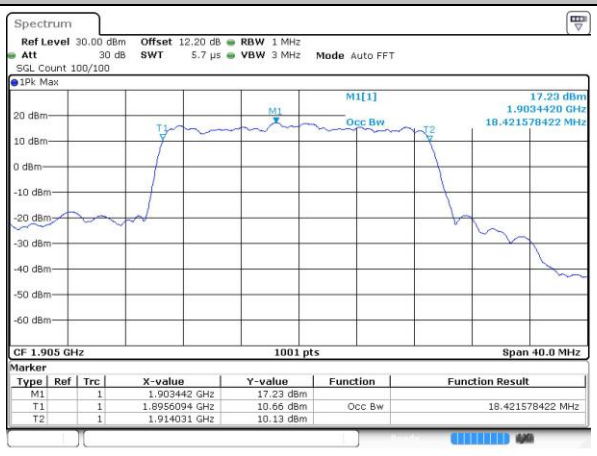
Highest Channel / 15MHz / 16QAM



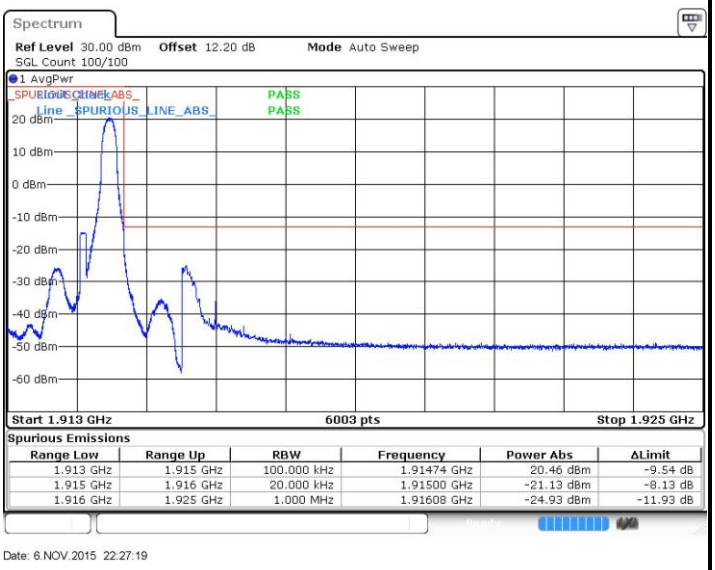
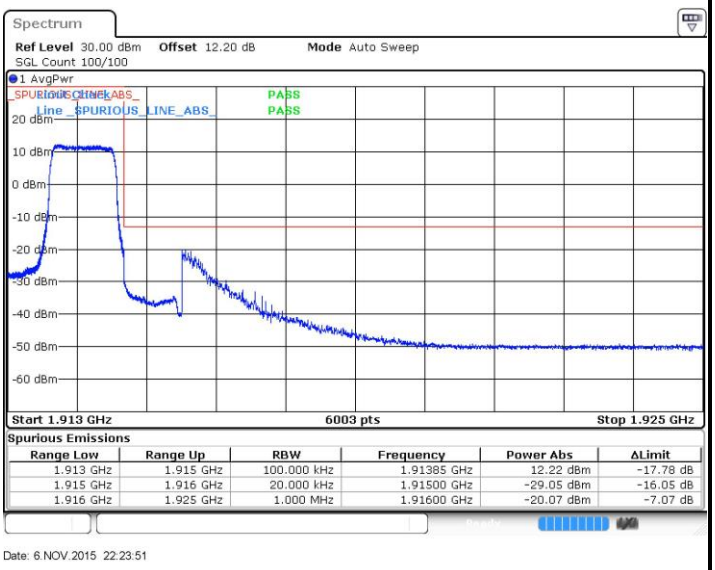
Highest Channel / 20MHz / QPSK

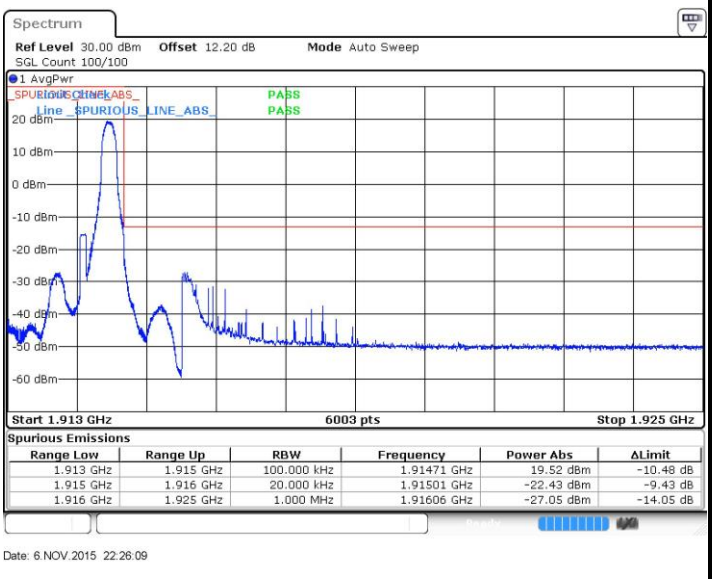
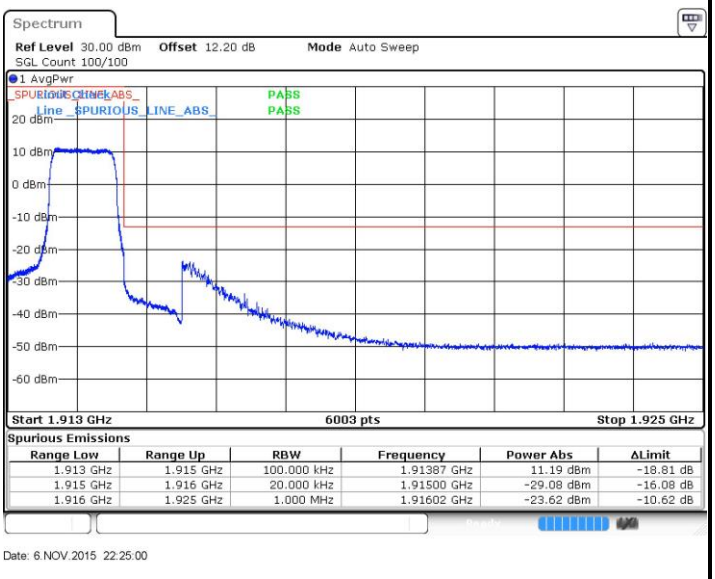


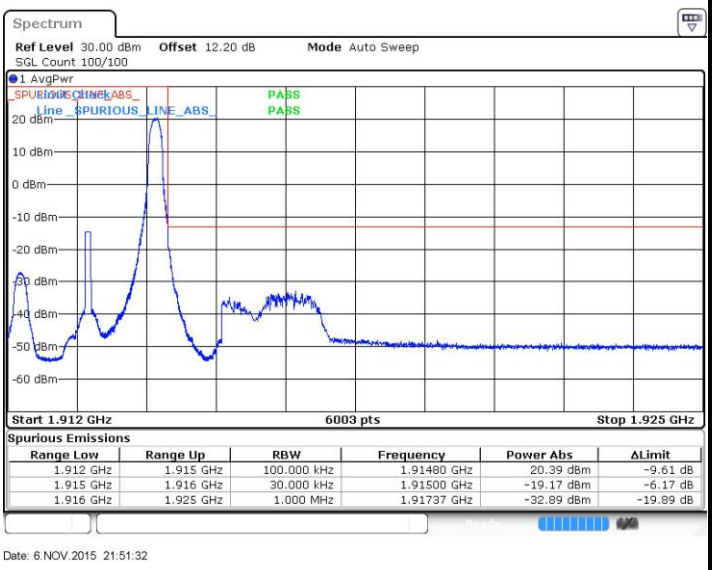
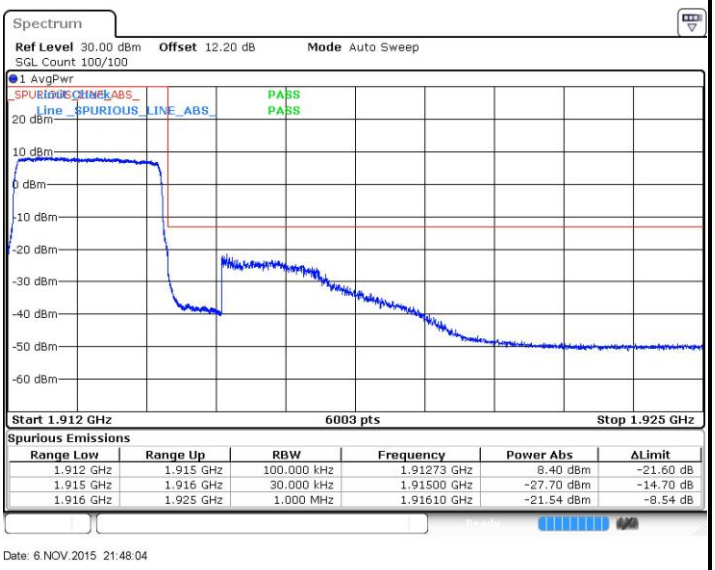
Highest Channel / 20MHz / 16QAM

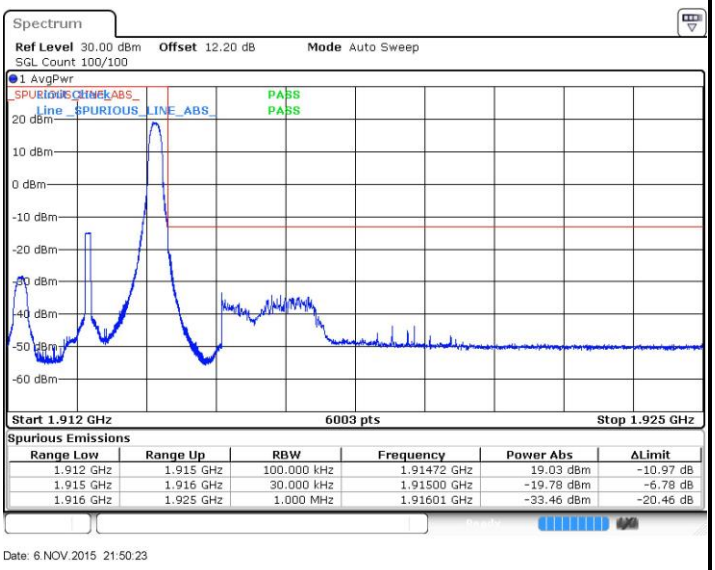
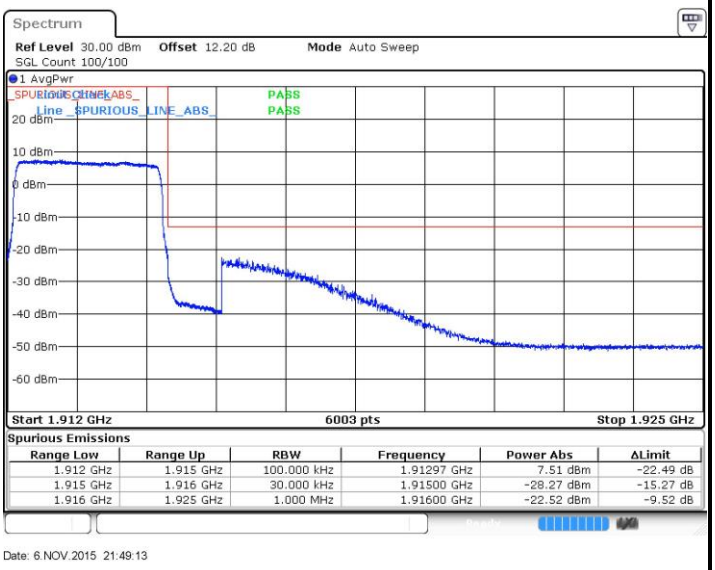


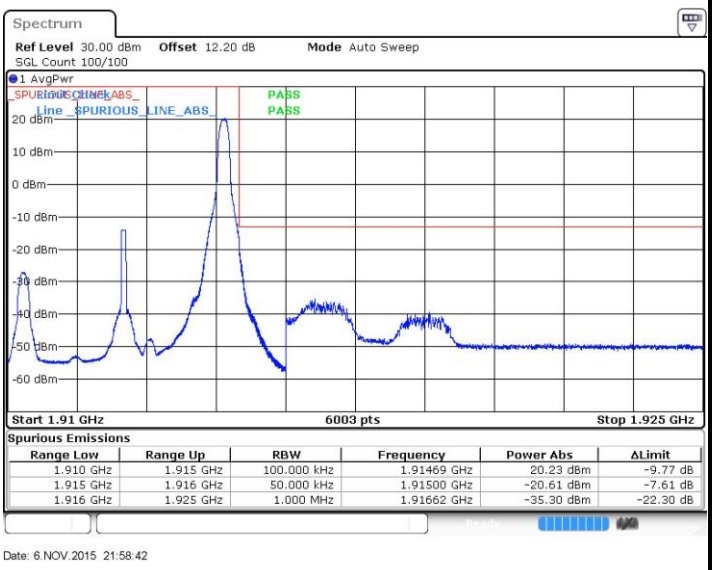
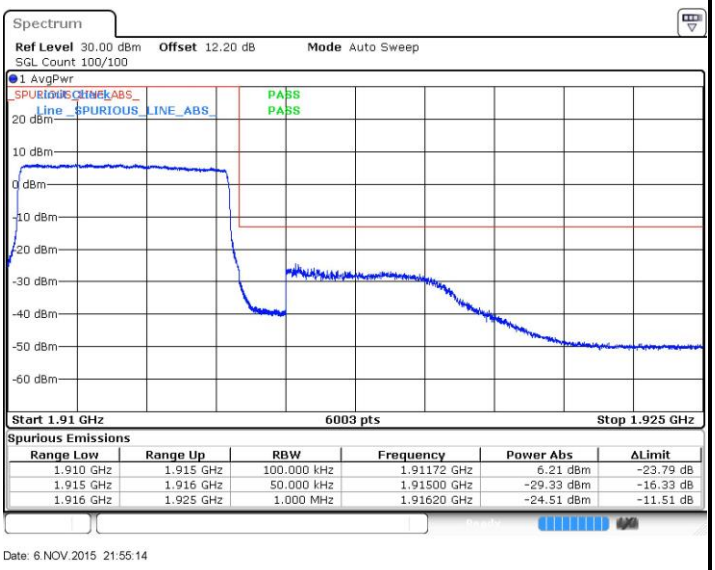
Conducted Band Edge

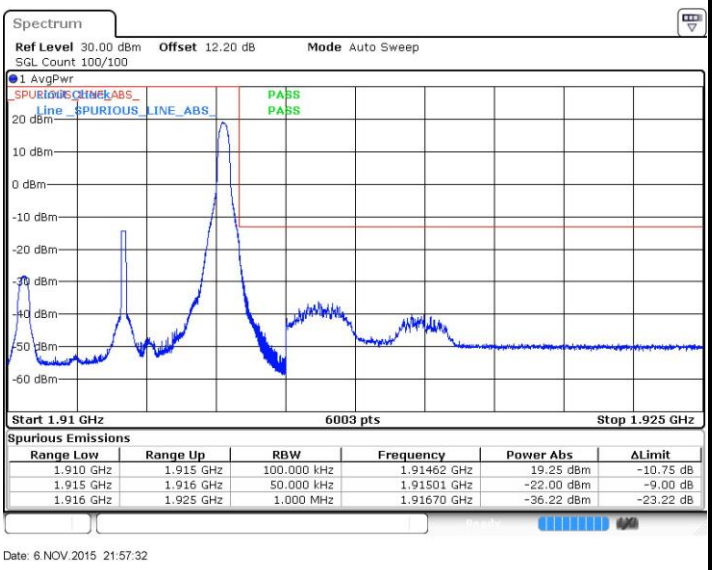
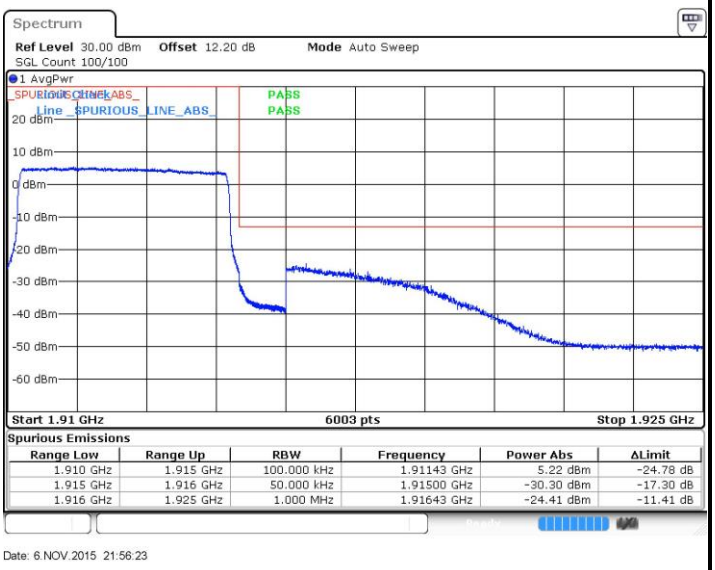
LTE Band 25 / 1.4MHz / QPSK	
	Highest Band Edge / 1RB
	
	Highest Band Edge / Full RB
	

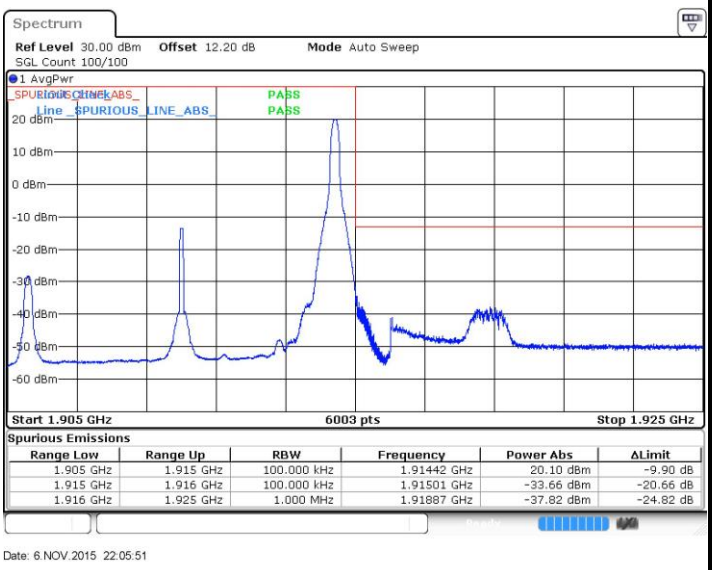
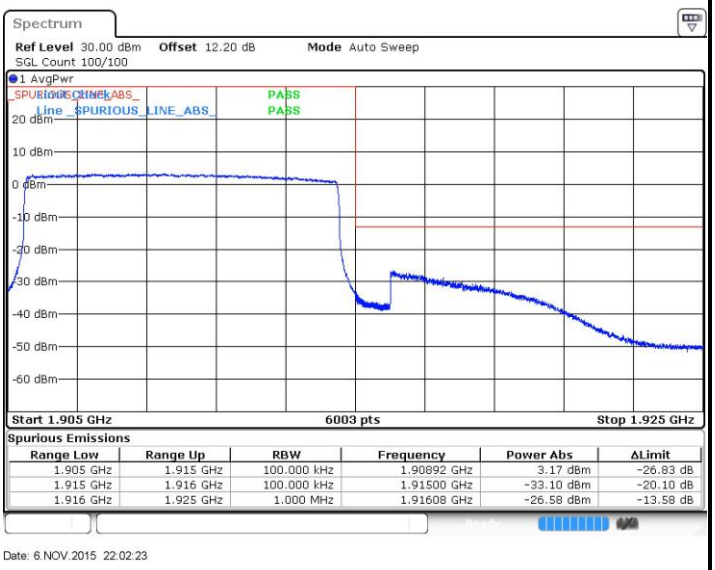
LTE Band 25 / 1.4MHz / 16QAM	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

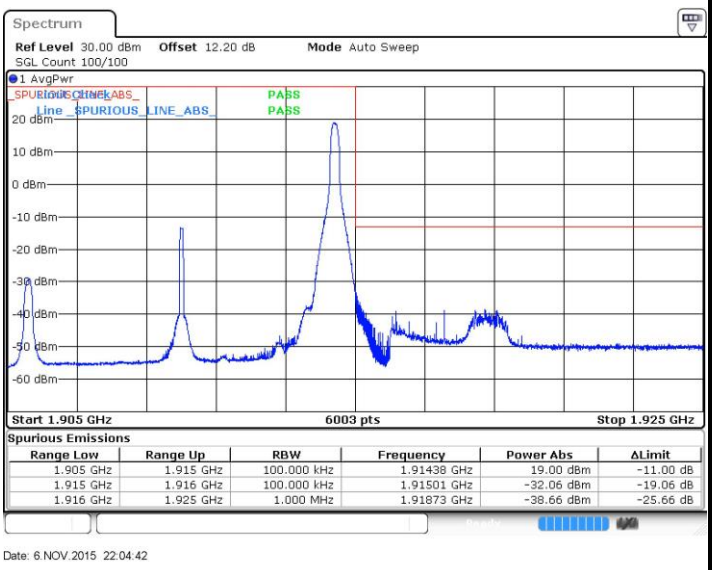
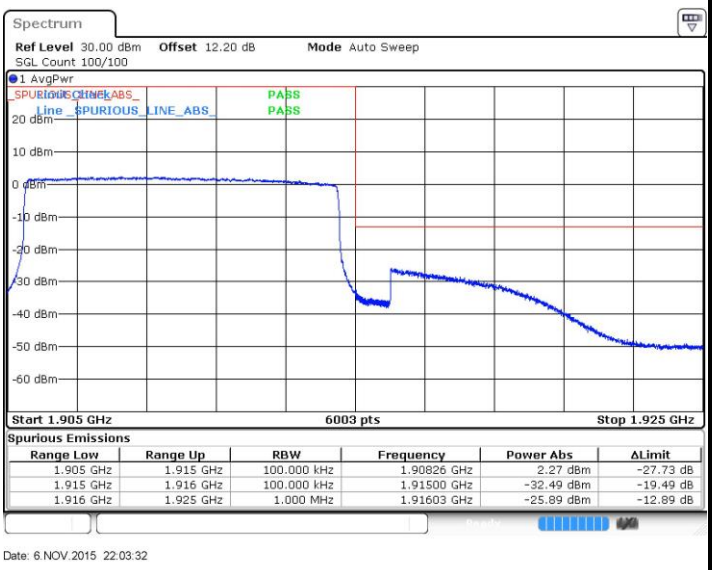
LTE Band 25 / 3MHz / QPSK	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

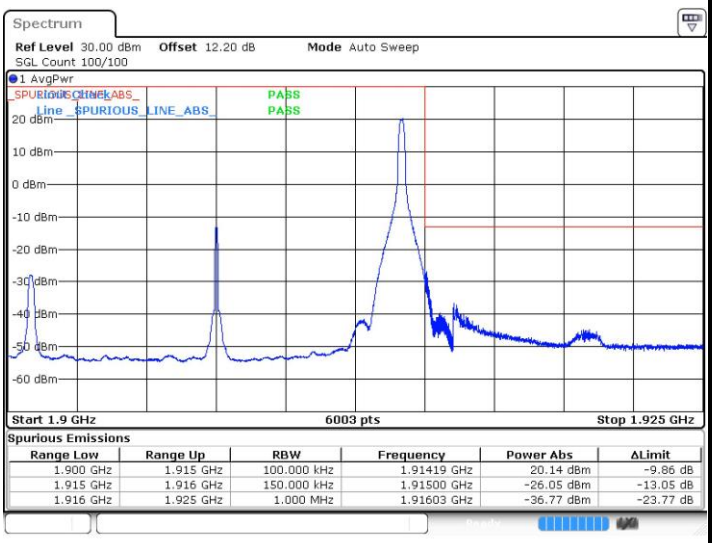
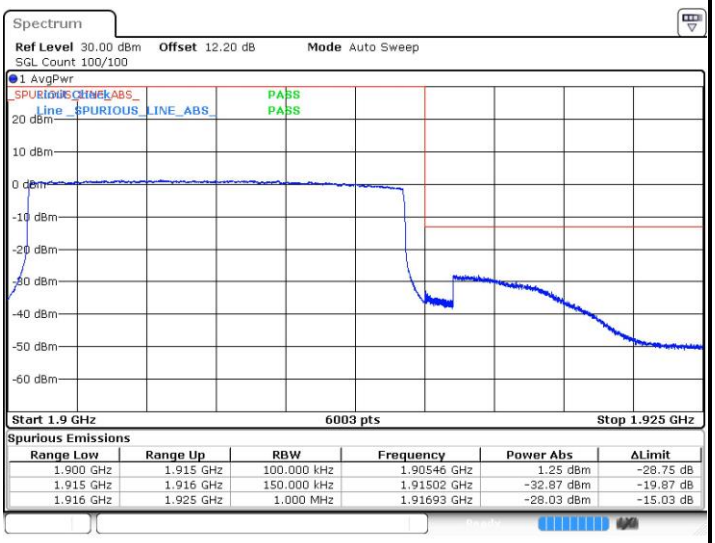
LTE Band 25 / 3MHz / 16QAM	
	Highest Band Edge /1 RB
	
	Highest Band Edge / Full RB
	

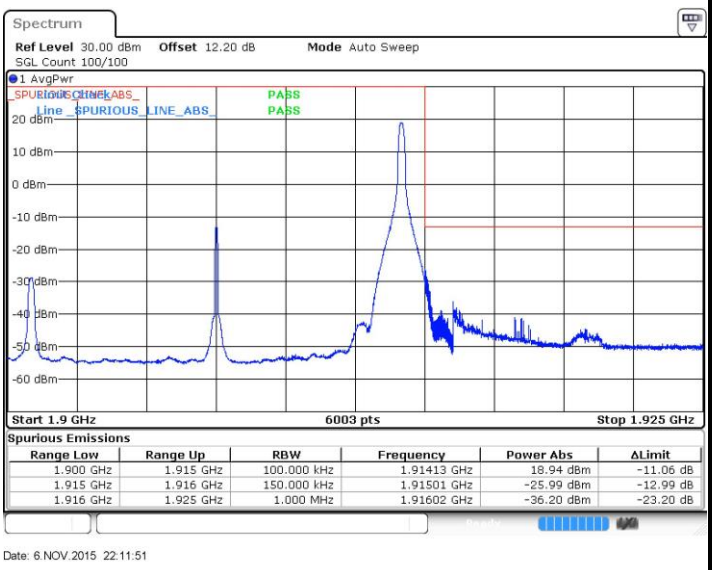
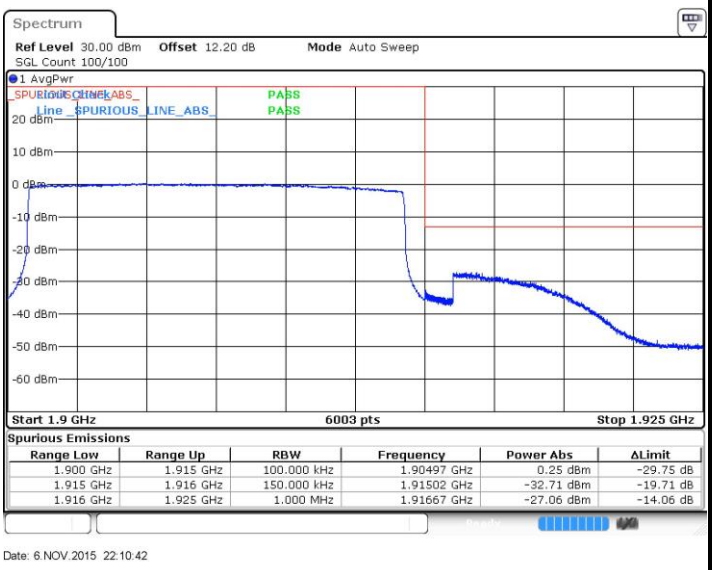
LTE Band 25 / 5MHz / QPSK	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

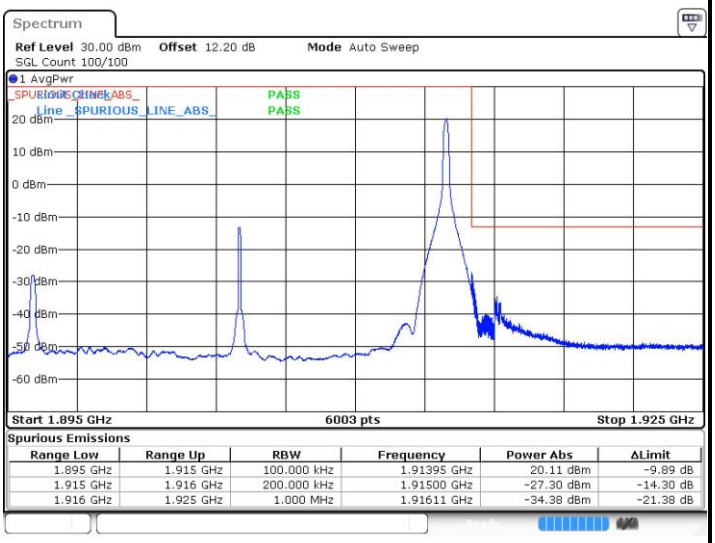
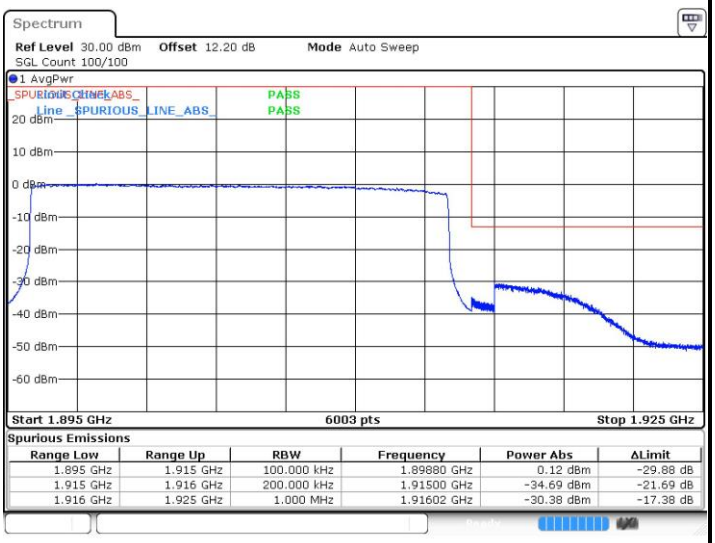
LTE Band 25 / 5MHz / 16QAM	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

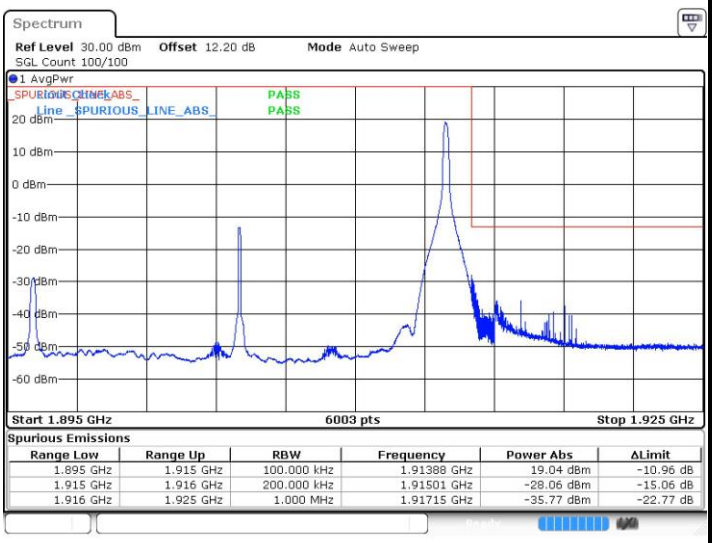
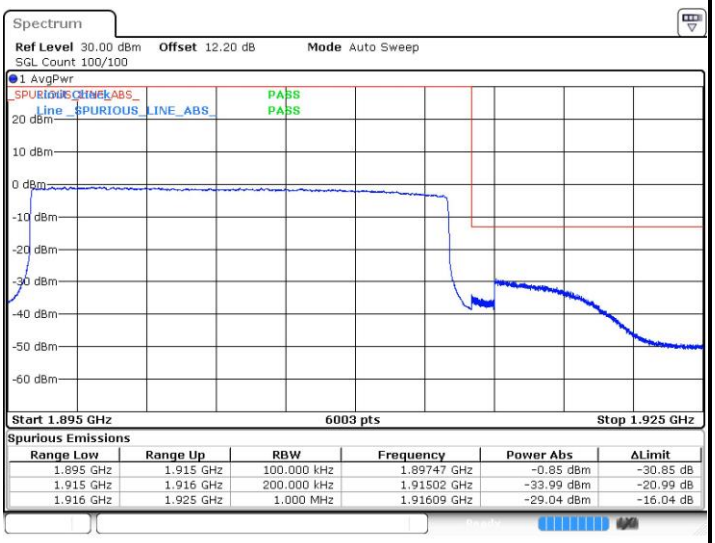
LTE Band 25 / 10MHz / QPSK	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

LTE Band 25 / 10MHz / 16QAM	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

LTE Band 25 / 15MHz / QPSK	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

LTE Band 25 / 15MHz / 16QAM	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

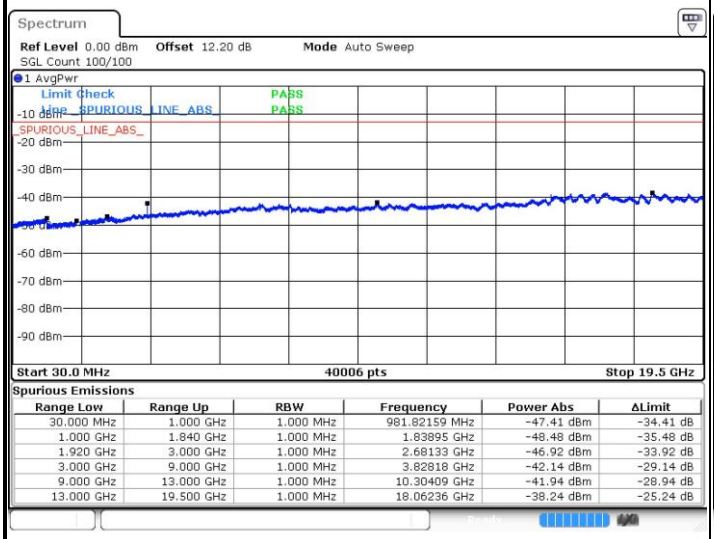
LTE Band 25 / 20MHz / QPSK	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

LTE Band 25 / 20MHz / 16QAM	
	Highest Band Edge / 1 RB
	
	Highest Band Edge / Full RB
	

Conducted Spurious Emission

LTE Band 25 / 1.4MHz

Highest Channel / QPSK

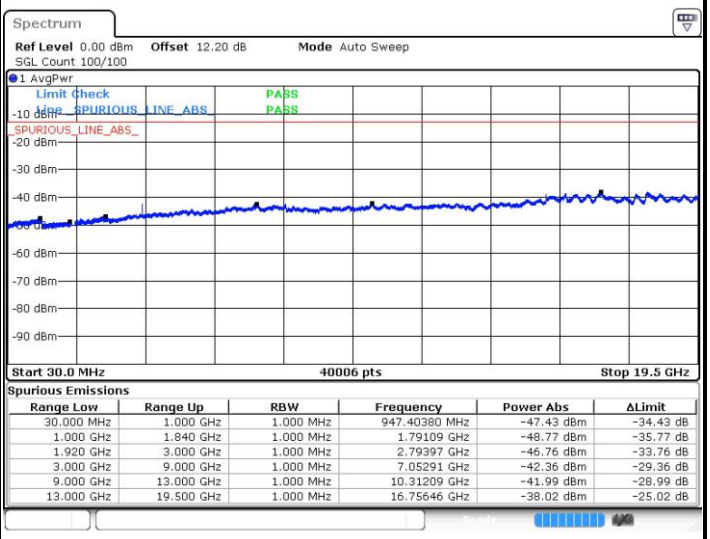


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-48.48 dBm	-35.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68133 GHz	-46.92 dBm	-33.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.82818 GHz	-42.14 dBm	-29.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30409 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06236 GHz	-38.24 dBm	-25.24 dB

Date: 6.NOV.2015 22:28:14

Highest Channel / 16QAM



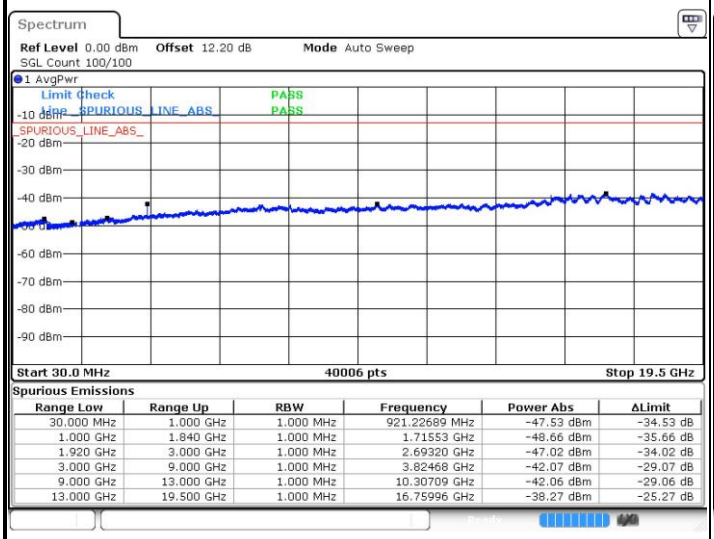
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-47.43 dBm	-34.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79109 GHz	-48.77 dBm	-35.77 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.79397 GHz	-46.76 dBm	-33.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05291 GHz	-42.36 dBm	-29.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31209 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75646 GHz	-38.02 dBm	-25.02 dB

Date: 6.NOV.2015 22:29:09

LTE Band 25 / 3MHz

Highest Channel / QPSK

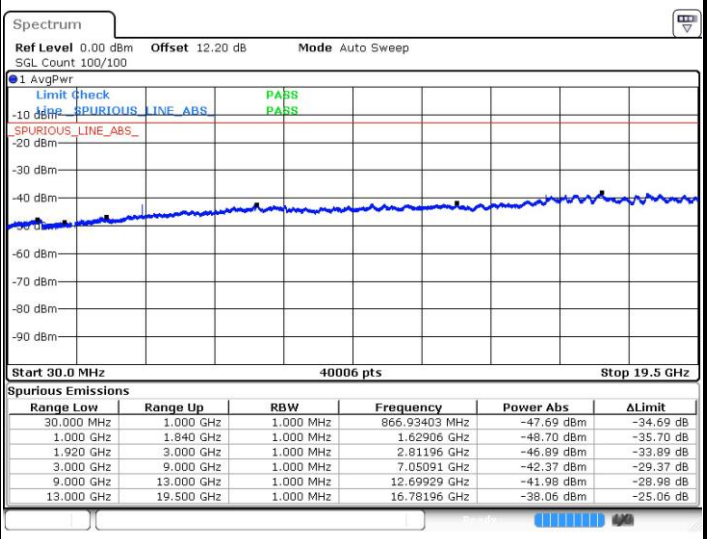


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.22689 MHz	-47.53 dBm	-34.53 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71553 GHz	-48.66 dBm	-35.66 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69320 GHz	-47.02 dBm	-34.02 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.82468 GHz	-42.07 dBm	-29.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-42.06 dBm	-29.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75996 GHz	-38.27 dBm	-25.27 dB

Date: 6.NOV.2015 21:52:27

Highest Channel / 16QAM



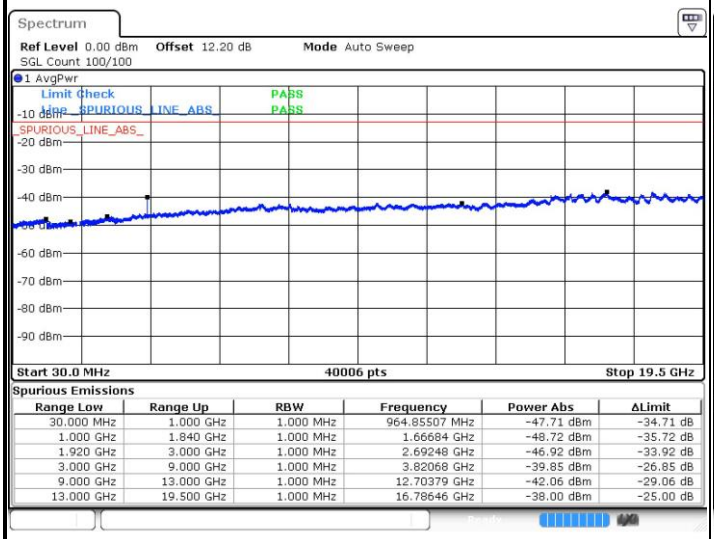
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.93403 MHz	-47.69 dBm	-34.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62906 GHz	-48.70 dBm	-35.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81196 GHz	-46.89 dBm	-33.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05091 GHz	-42.37 dBm	-29.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.06 dBm	-25.06 dB

Date: 6.NOV.2015 21:53:22

LTE Band 25 / 5MHz

Highest Channel / QPSK

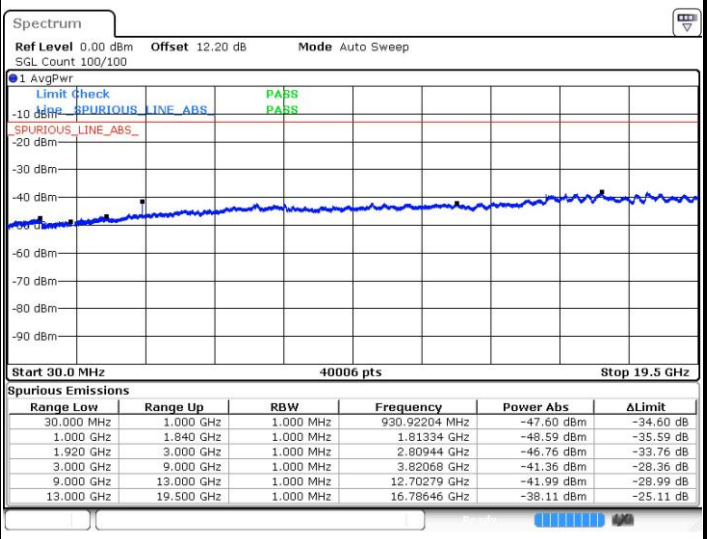


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-47.71 dBm	-34.71 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66684 GHz	-48.72 dBm	-35.72 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69248 GHz	-46.92 dBm	-33.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.82068 GHz	-39.85 dBm	-26.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-42.06 dBm	-29.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78646 GHz	-38.00 dBm	-25.00 dB

Date: 6.NOV.2015 21:59:37

Highest Channel / 16QAM



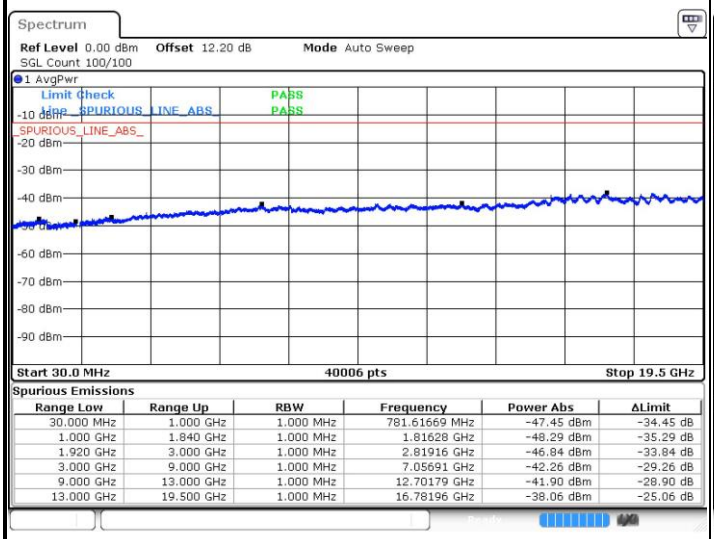
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-47.60 dBm	-34.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81334 GHz	-48.59 dBm	-35.59 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80944 GHz	-46.76 dBm	-33.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.82068 GHz	-41.36 dBm	-28.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70279 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78646 GHz	-38.11 dBm	-25.11 dB

Date: 6.NOV.2015 22:00:32

LTE Band 25 / 10MHz

Highest Channel / QPSK

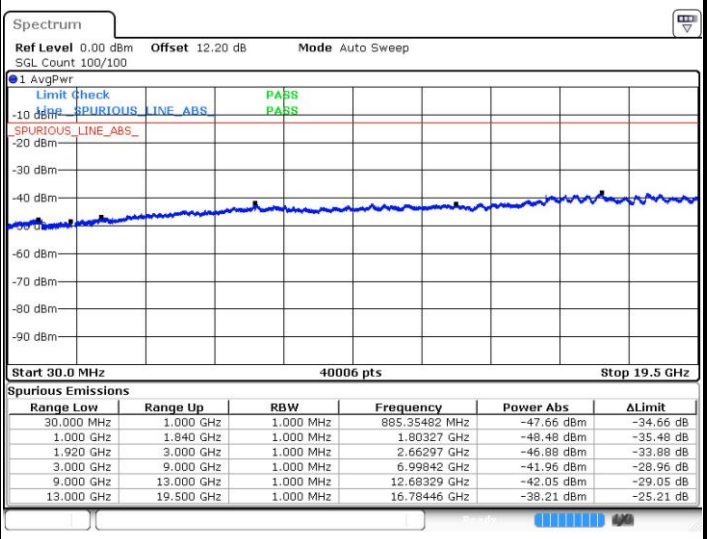


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	781.61669 MHz	-47.45 dBm	-34.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81628 GHz	-48.29 dBm	-35.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81916 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05691 GHz	-42.26 dBm	-29.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70179 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.06 dBm	-25.06 dB

Date: 6.NOV.2015 22:06:46

Highest Channel / 16QAM



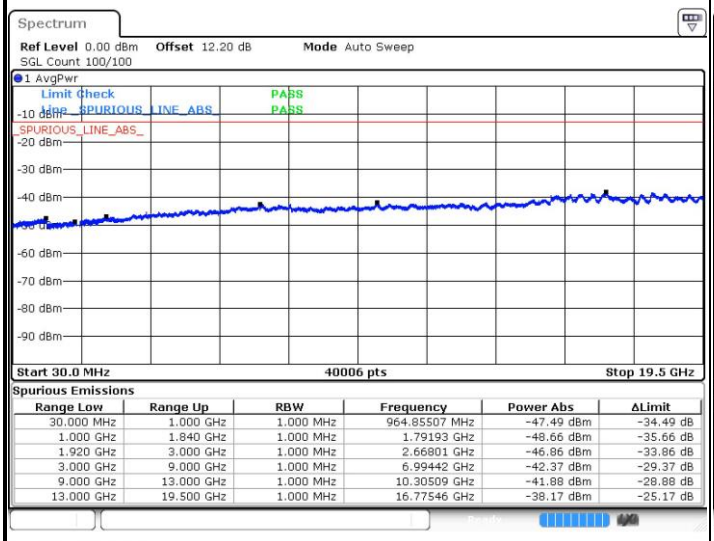
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.35482 MHz	-47.66 dBm	-34.66 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80327 GHz	-48.48 dBm	-35.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66297 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-41.96 dBm	-28.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68329 GHz	-42.05 dBm	-29.05 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78446 GHz	-38.21 dBm	-25.21 dB

Date: 6.NOV.2015 22:07:41

LTE Band 25 / 15MHz

Highest Channel / QPSK

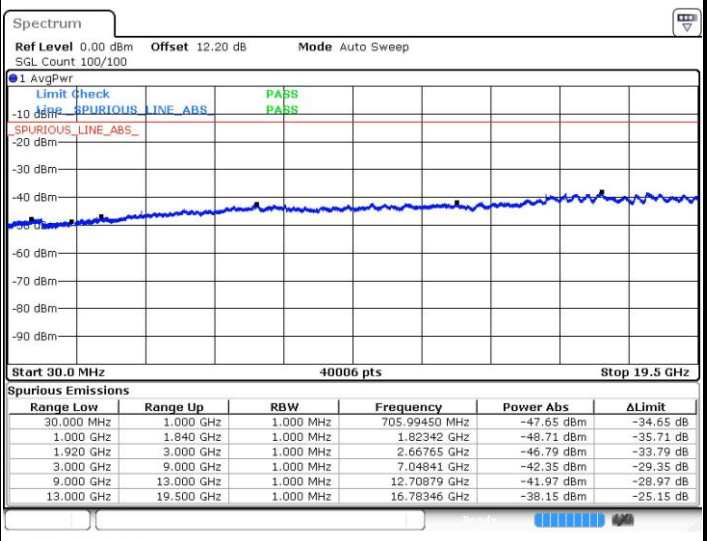


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-47.49 dBm	-34.49 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79193 GHz	-48.66 dBm	-35.66 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66801 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-42.37 dBm	-29.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30509 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77546 GHz	-38.17 dBm	-25.17 dB

Date: 6.NOV.2015 22:13:55

Highest Channel / 16QAM



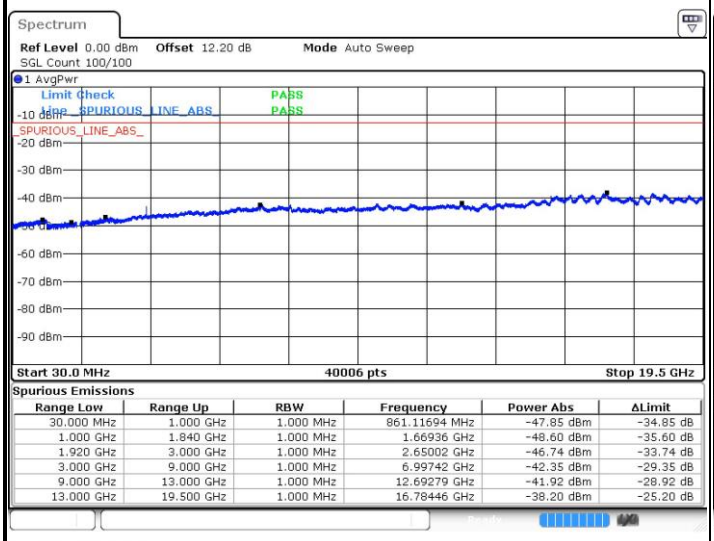
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	705.99450 MHz	-47.65 dBm	-34.65 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82342 GHz	-48.71 dBm	-35.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66765 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04841 GHz	-42.35 dBm	-29.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70879 GHz	-41.97 dBm	-28.97 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78346 GHz	-38.15 dBm	-25.15 dB

Date: 6.NOV.2015 22:14:50

LTE Band 25 / 20MHz

Highest Channel / QPSK

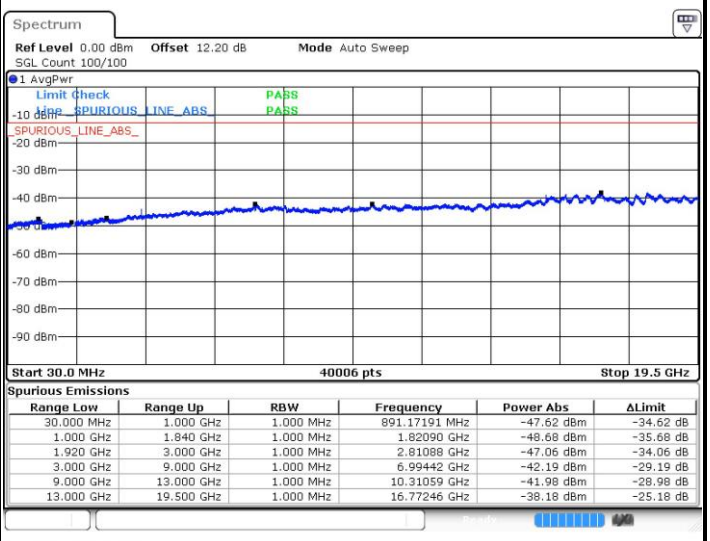


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-47.85 dBm	-34.85 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66936 GHz	-48.60 dBm	-35.60 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65002 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-42.35 dBm	-29.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69279 GHz	-41.92 dBm	-28.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78446 GHz	-38.20 dBm	-25.20 dB

Date: 6.NOV.2015 22:21:05

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	891.17191 MHz	-47.62 dBm	-34.62 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82090 GHz	-48.68 dBm	-35.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81088 GHz	-47.06 dBm	-34.06 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-42.19 dBm	-29.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31059 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77246 GHz	-38.18 dBm	-25.18 dB

Date: 6.NOV.2015 22:22:00

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0055	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0165	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0152	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 12V. ；Battery End Point (BEP) = 9 V.；Maximum Voltage =32V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.