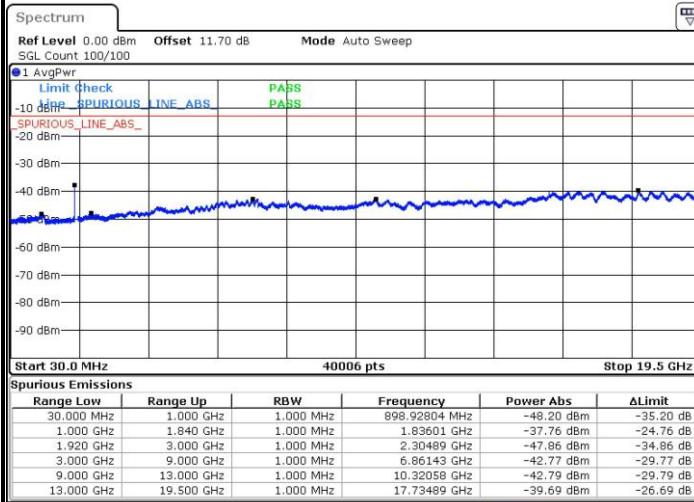




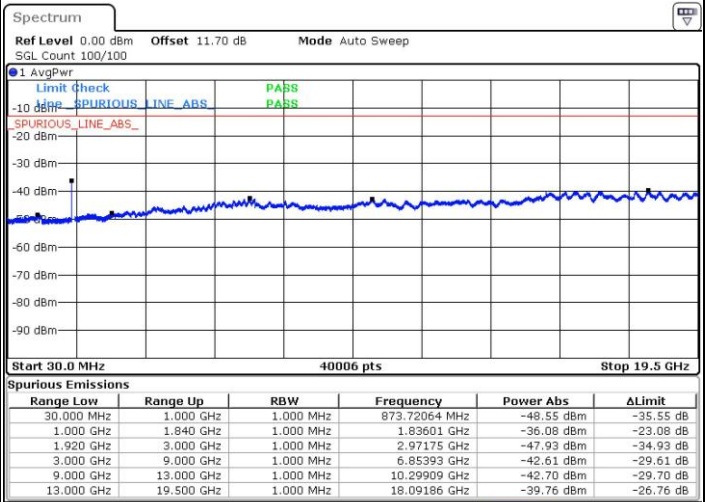
LTE Band 2 / 20MHz

Middle Channel / QPSK



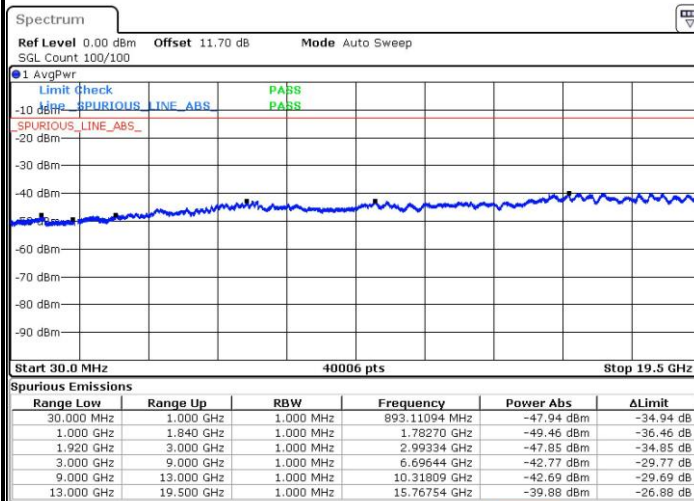
Date: 9.OCT.2016 12:47:55

Middle Channel / 16QAM



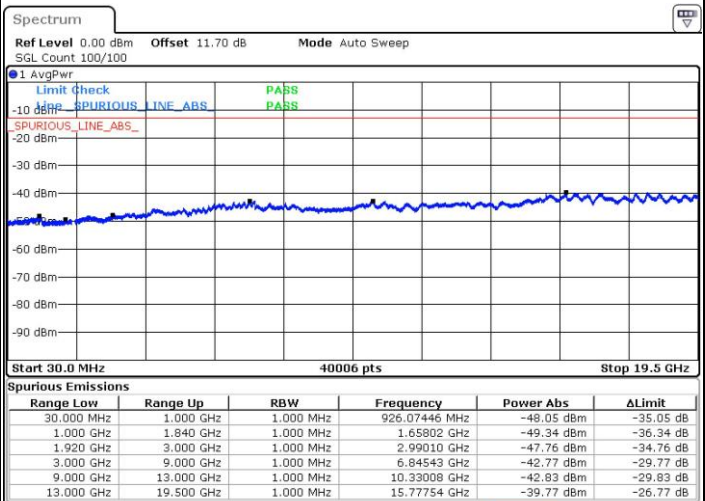
Date: 9.OCT.2016 12:48:49

Highest Channel / QPSK



Date: 9.OCT.2016 12:55:01

Highest Channel / 16QAM



Date: 9.OCT.2016 12:55:56

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	0.0002	PASS
40	Normal Voltage	0.0075	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0075	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0080	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0076	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



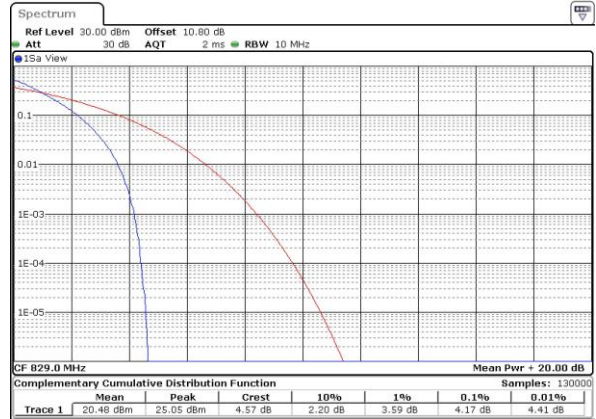
LTE Band 5

Peak-to-Average Ratio

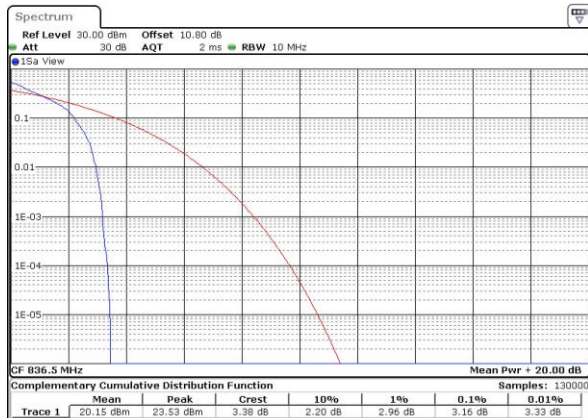
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	2.55	4.17	3.83	5.04	PASS
Middle CH	3.16	4.23	4.26	5.22	
Highest CH	2.49	3.71	3.68	4.52	

LTE Band 5 / 10MHz / QPSK
Lowest Channel / 1RB


Date: 9.OCT.2016 15:45:33

Lowest Channel / Full RB


Date: 9.OCT.2016 15:45:44

Middle Channel / 1RB


Date: 9.OCT.2016 15:45:53

Middle Channel / Full RB

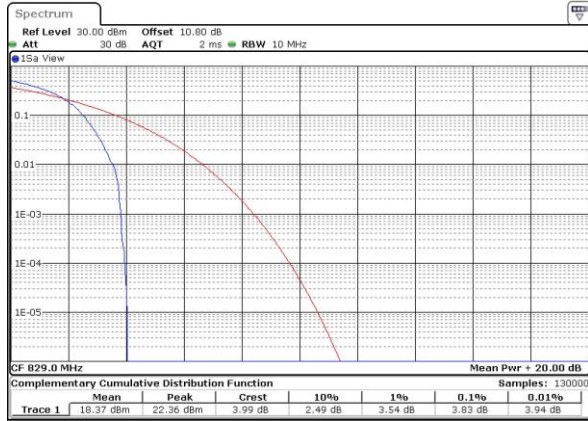

Date: 9.OCT.2016 15:46:03

Highest Channel / 1RB

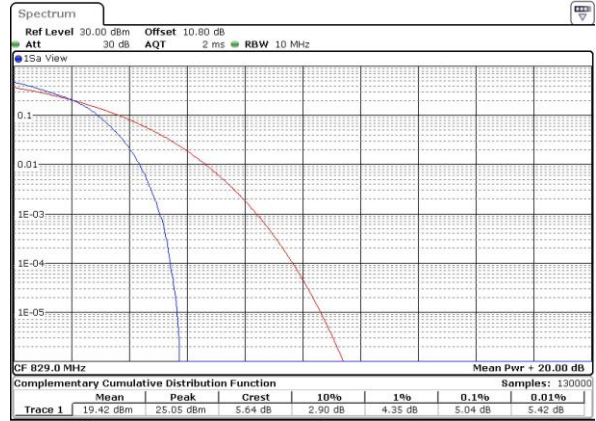

Date: 9.OCT.2016 15:46:12

Highest Channel / Full RB


Date: 9.OCT.2016 15:46:22

LTE Band 5 / 10MHz / 16QAM
Lowest Channel / 1RB


Date: 9.OCT.2016 15:44:25

Lowest Channel / Full RB


Date: 9.OCT.2016 15:44:44

Middle Channel / 1RB


Date: 9.OCT.2016 15:44:53

Middle Channel / Full RB


Date: 9.OCT.2016 15:45:03

Highest Channel / 1RB


Date: 9.OCT.2016 15:45:13

Highest Channel / Full RB


Date: 9.OCT.2016 15:45:23



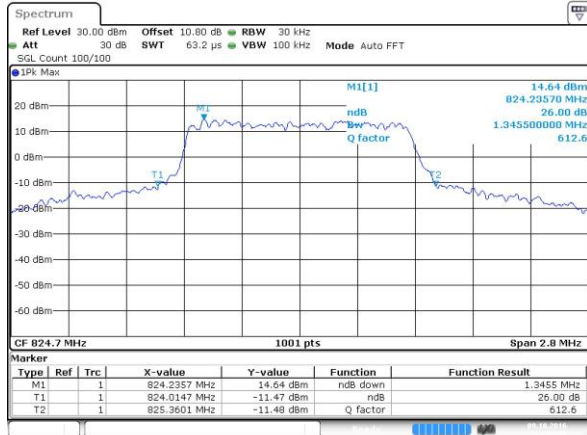
26dB Bandwidth

Mode	LTE Band 5 : 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	1.35	1.31	3.03	3.00	4.91	4.87	9.85	9.93	-	-	-	-
Middle CH	1.28	1.26	3.01	3.02	5.04	4.97	9.91	9.81	-	-	-	-
Highest CH	1.29	1.30	3.21	3.05	5.06	4.97	10.27	10.03	-	-	-	-



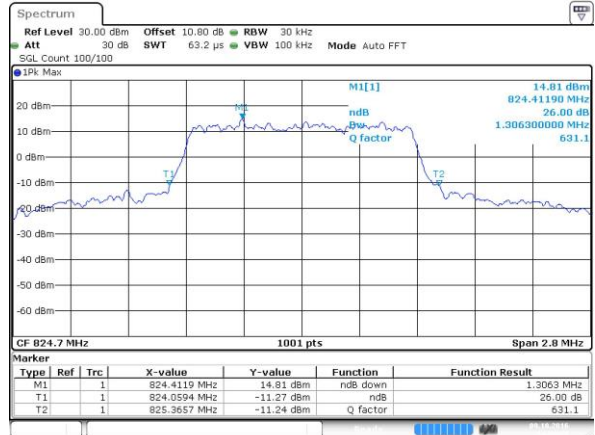
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



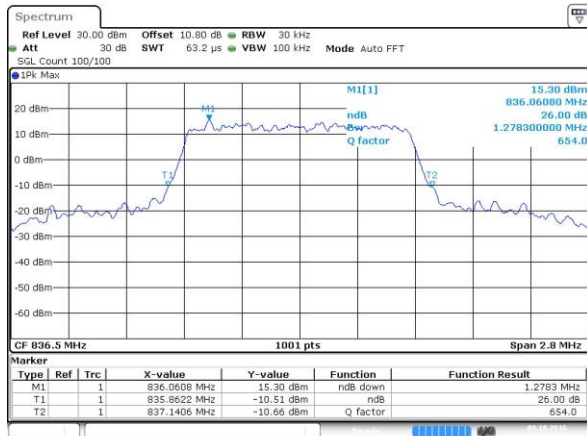
Date: 9.OCT.2016 14:36:35

Lowest Channel / 1.4MHz / 16QAM



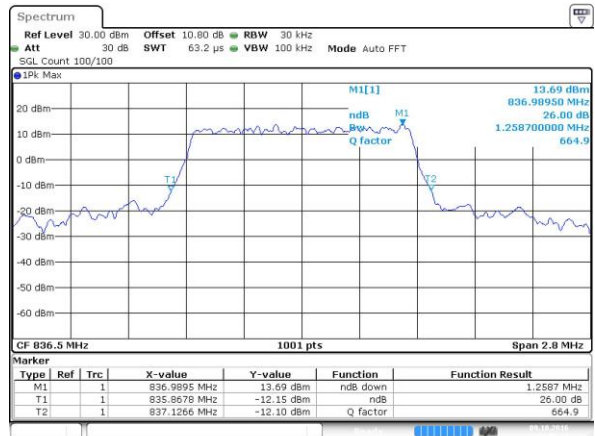
Date: 9.OCT.2016 14:36:25

Middle Channel / 1.4MHz / QPSK



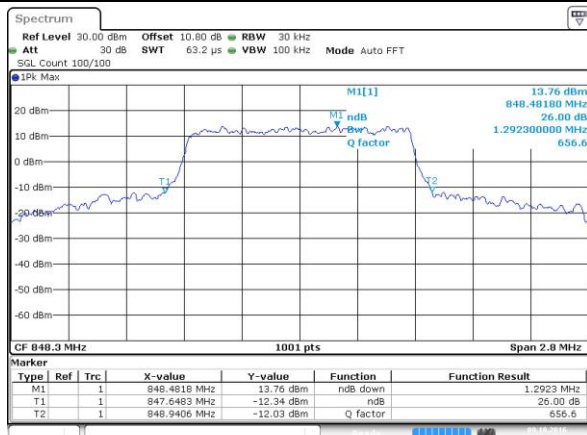
Date: 9.OCT.2016 14:45:31

Middle Channel / 1.4MHz / 16QAM



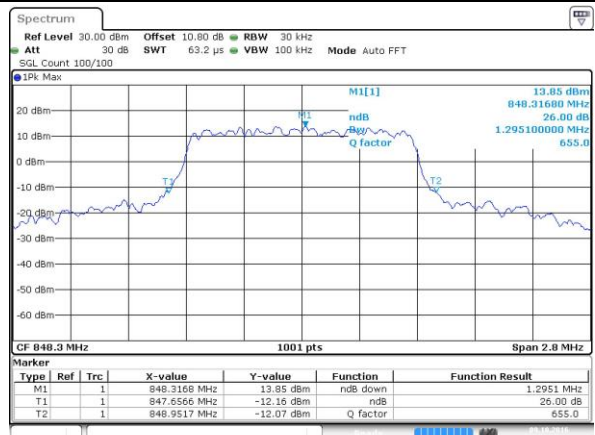
Date: 9.OCT.2016 14:45:41

Highest Channel / 1.4MHz / QPSK



Date: 9.OCT.2016 14:48:00

Highest Channel / 1.4MHz / 16QAM

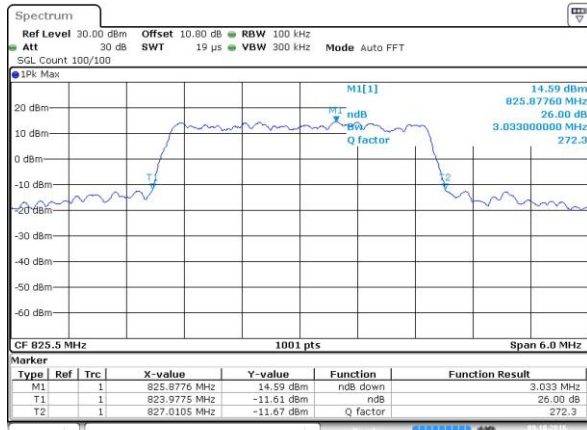


Date: 9.OCT.2016 14:48:11



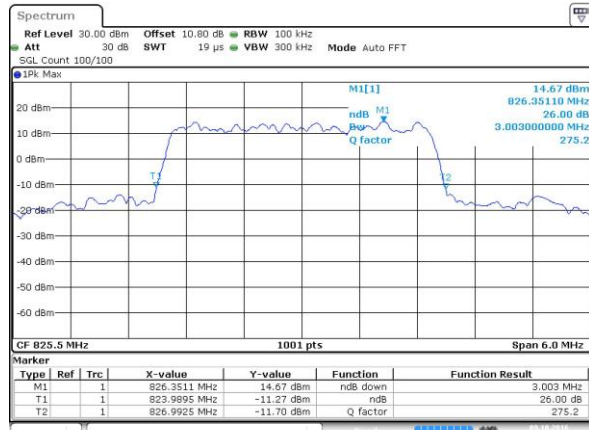
LTE Band 5

Lowest Channel / 3MHz / QPSK



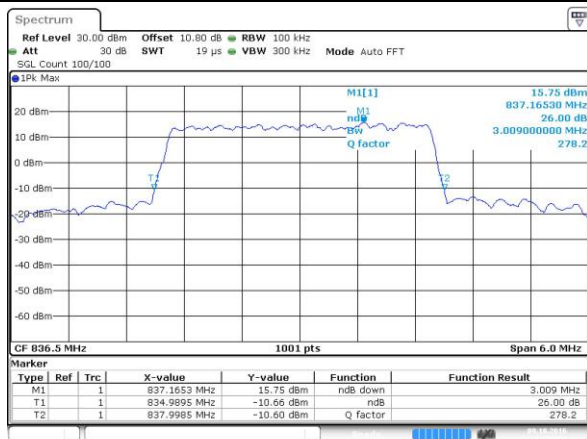
Date: 9.OCT.2016 13:27:22

Lowest Channel / 3MHz / 16QAM



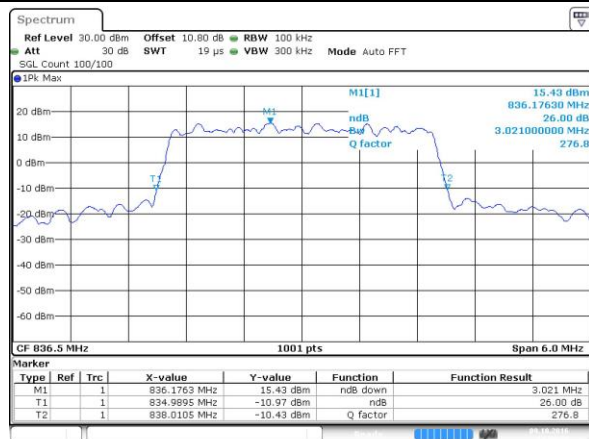
Date: 9.OCT.2016 13:27:33

Middle Channel / 3MHz / QPSK



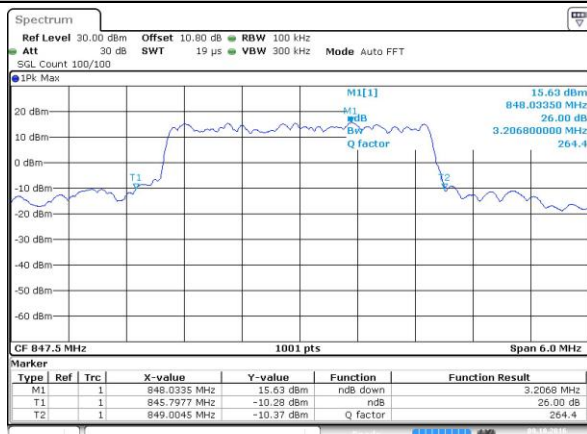
Date: 9.OCT.2016 13:36:29

Middle Channel / 3MHz / 16QAM



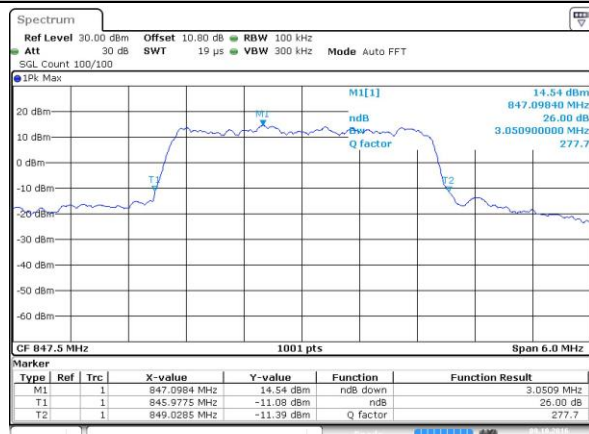
Date: 9.OCT.2016 13:36:39

Highest Channel / 3MHz / QPSK



Date: 9.OCT.2016 13:38:59

Highest Channel / 3MHz / 16QAM

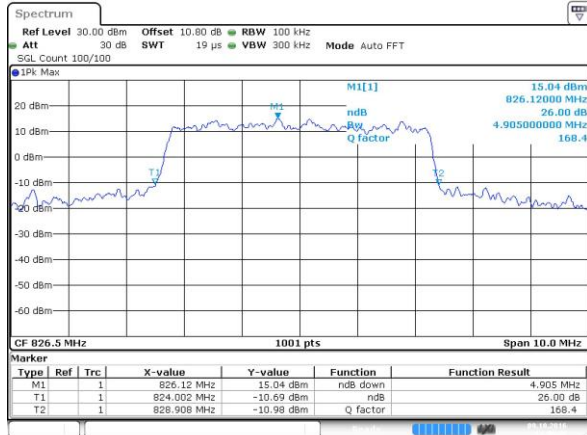


Date: 9.OCT.2016 13:38:09



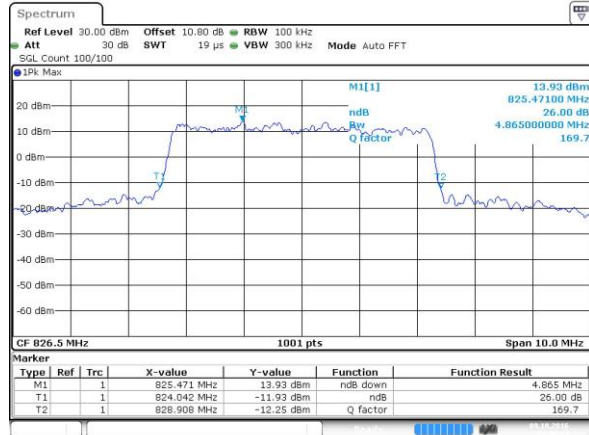
LTE Band 5

Lowest Channel / 5MHz / QPSK



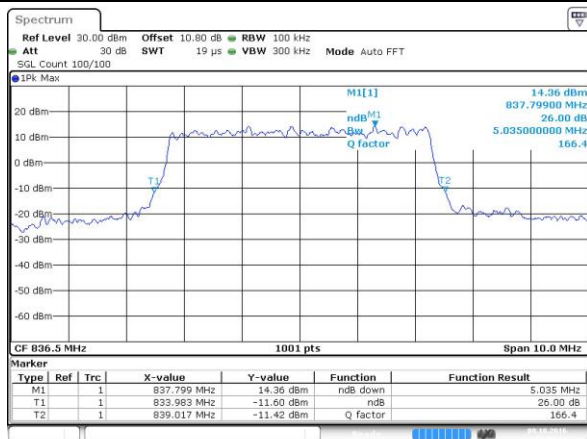
Date: 9 OCT 2016 13:48:05

Lowest Channel / 5MHz / 16QAM



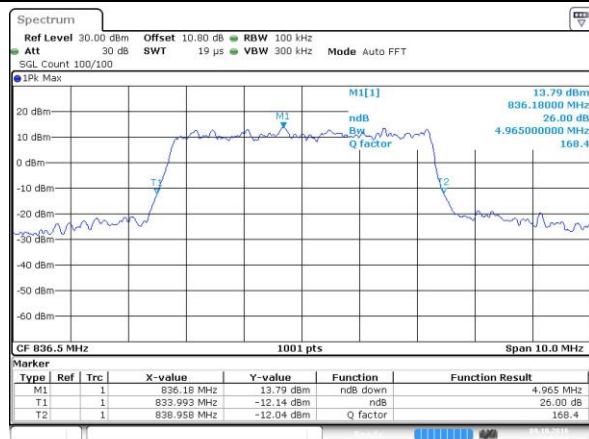
Date: 9 OCT 2016 13:48:15

Middle Channel / 5MHz / QPSK



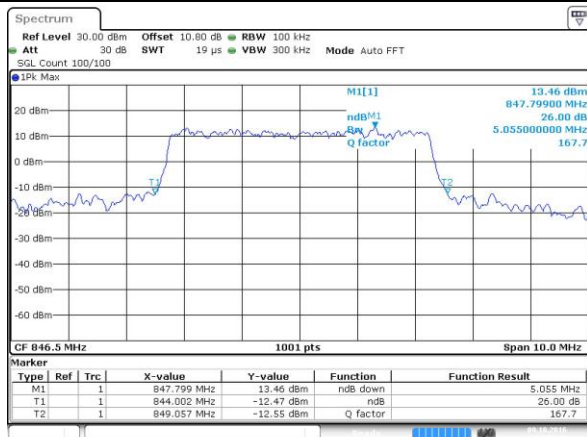
Date: 9 OCT 2016 13:57:11

Middle Channel / 5MHz / 16QAM



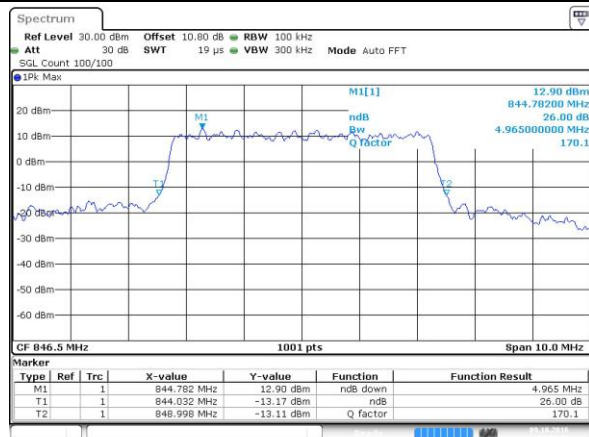
Date: 9 OCT 2016 13:57:21

Highest Channel / 5MHz / QPSK



Date: 9 OCT 2016 13:59:40

Highest Channel / 5MHz / 16QAM

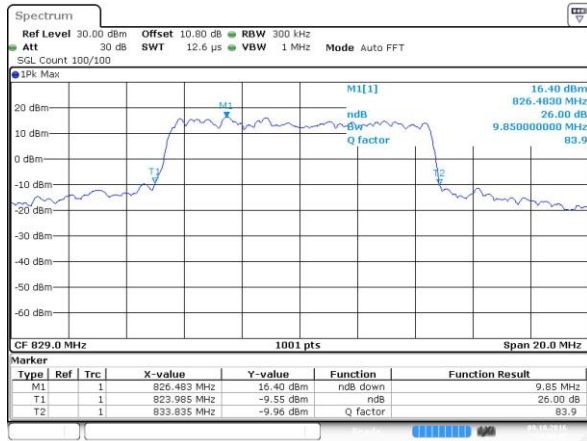


Date: 9 OCT 2016 13:59:51

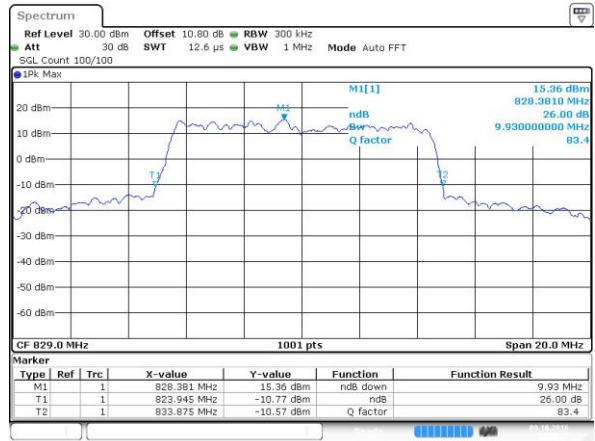


LTE Band 5

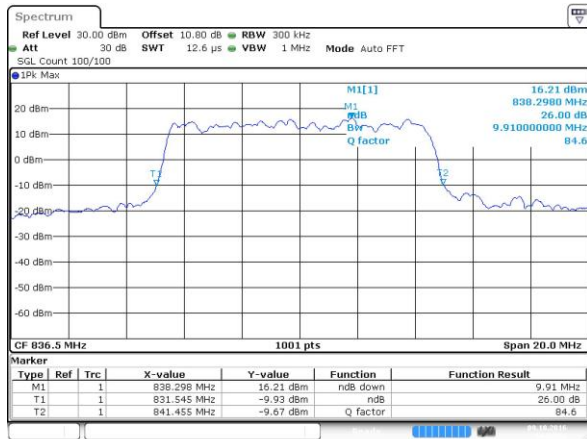
Lowest Channel / 10MHz / QPSK



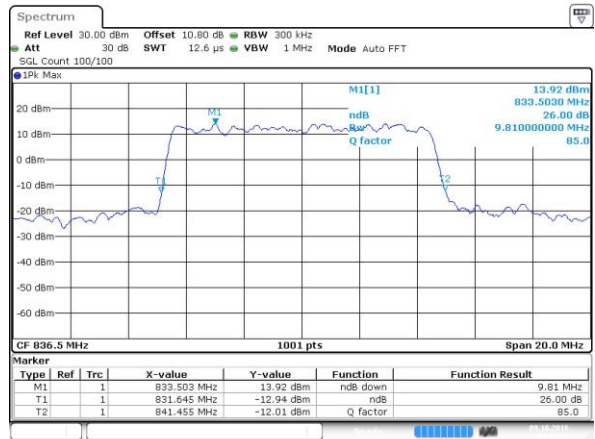
Lowest Channel / 10MHz / 16QAM



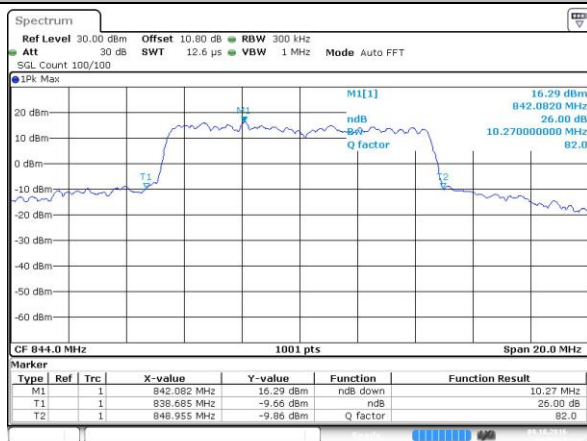
Middle Channel / 10MHz / QPSK



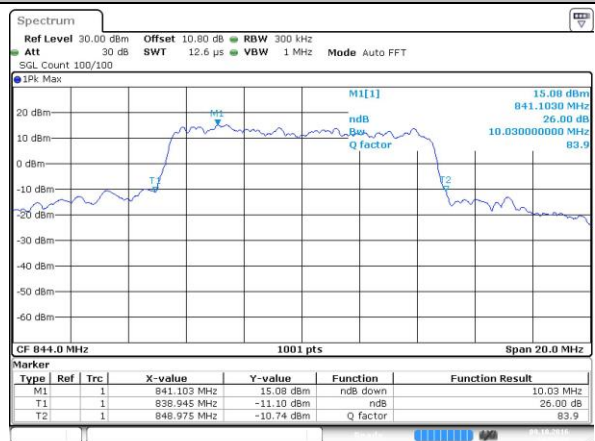
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





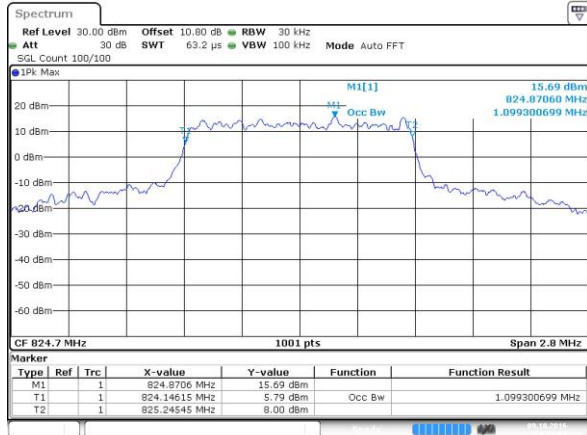
Occupied Bandwidth

Mode	LTE Band 5 : 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	2.75	2.72	4.52	4.5	9.11	9.05	-	-	-	-
Middle CH	1.09	1.1	2.73	2.73	4.49	4.54	9.05	9.09	-	-	-	-
Highest CH	1.1	1.1	2.74	2.72	4.49	4.52	9.11	9.13	-	-	-	-

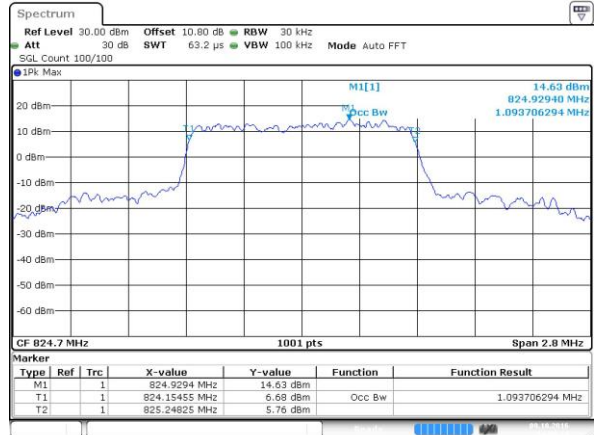


LTE Band 5

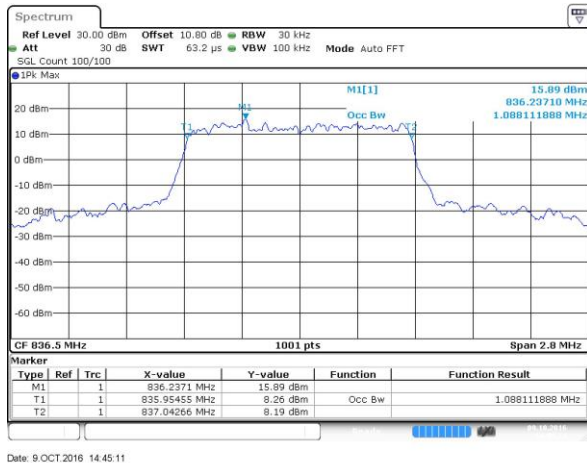
Lowest Channel / 1.4MHz / QPSK



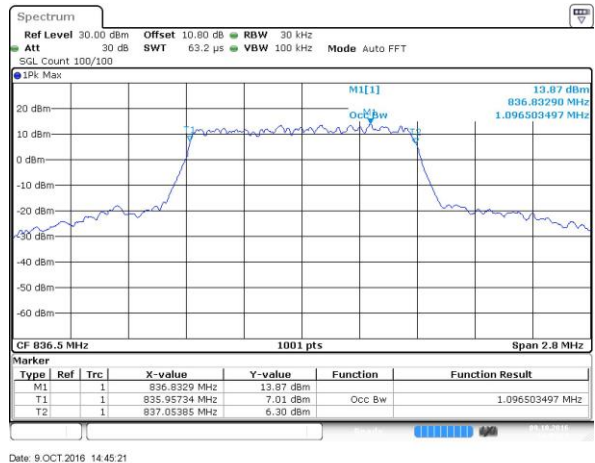
Lowest Channel / 1.4MHz / 16QAM



Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM

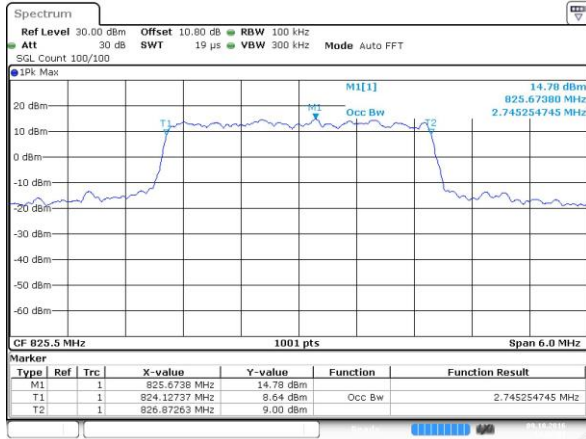


Highest Channel / 1.4MHz / QPSK

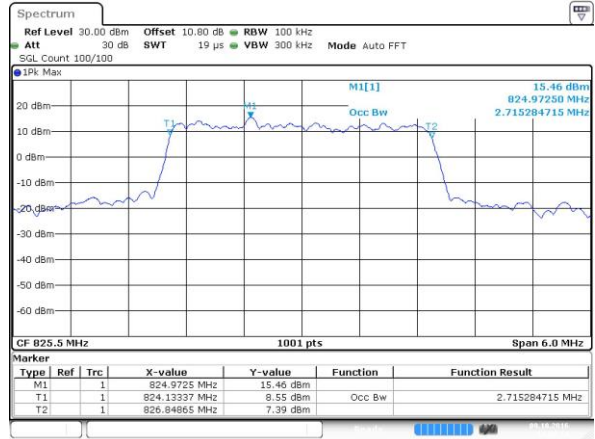


Highest Channel / 1.4MHz / 16QAM

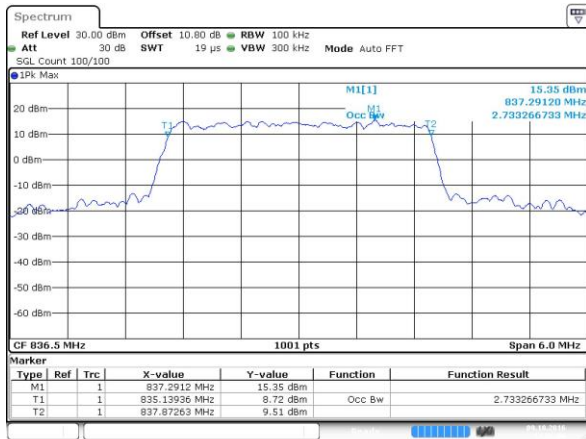


LTE Band 5
Lowest Channel / 3MHz / QPSK


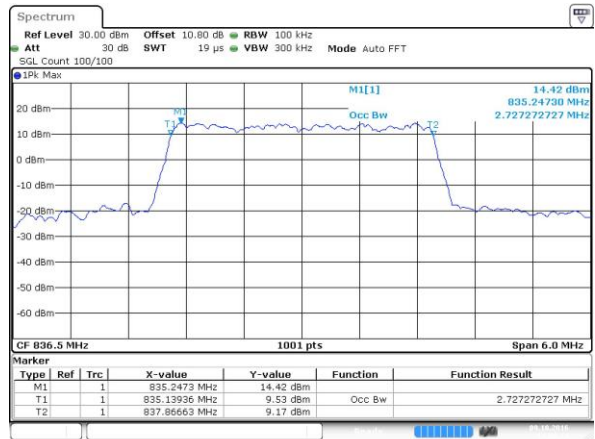
Date: 9 OCT 2016 13:27:02

Lowest Channel / 3MHz / 16QAM


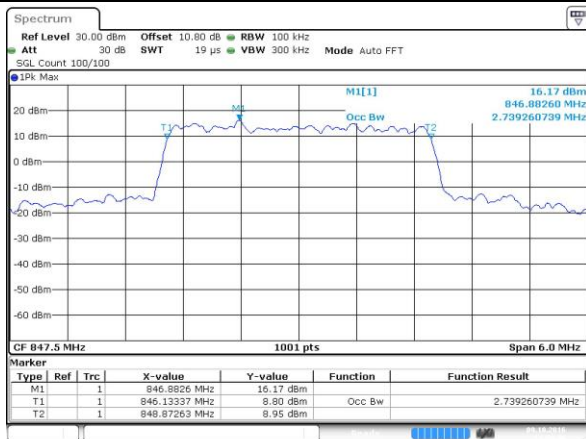
Date: 9 OCT 2016 13:27:12

Middle Channel / 3MHz / QPSK


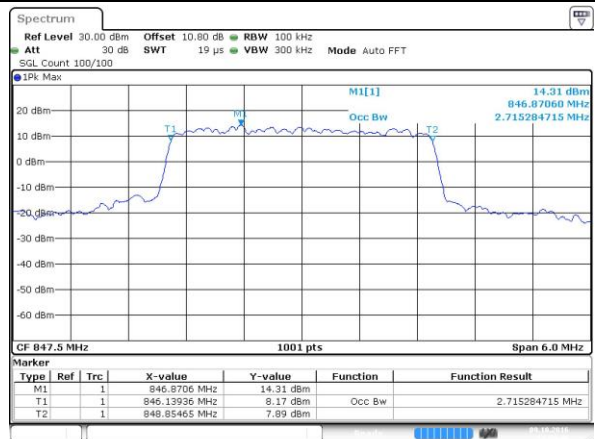
Date: 9 OCT 2016 13:36:08

Middle Channel / 3MHz / 16QAM


Date: 9 OCT 2016 13:36:18

Highest Channel / 3MHz / QPSK


Date: 9 OCT 2016 13:38:38

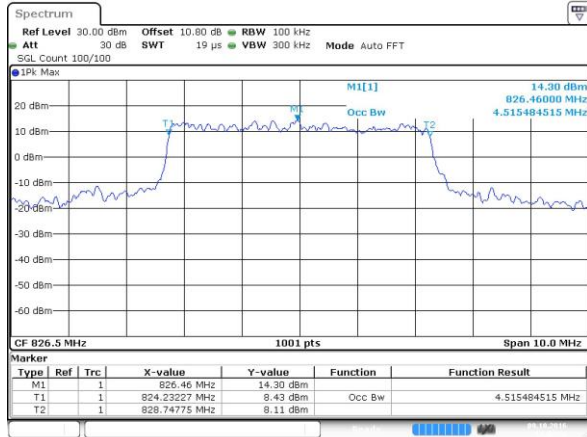
Highest Channel / 3MHz / 16QAM


Date: 9 OCT 2016 13:38:48



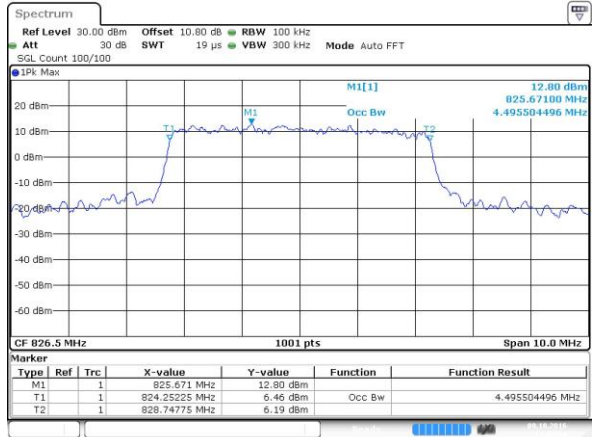
LTE Band 5

Lowest Channel / 5MHz / QPSK



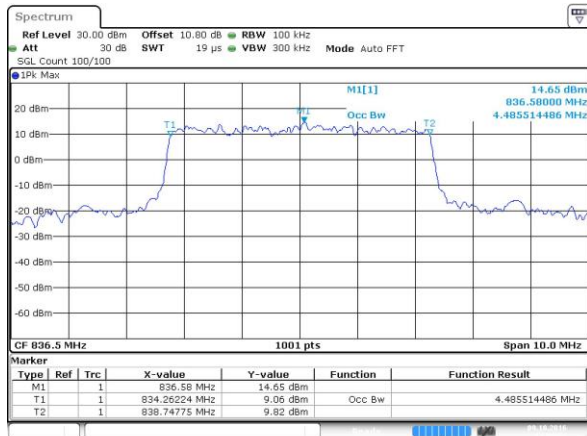
Date: 9 OCT 2016 13:47:44

Lowest Channel / 5MHz / 16QAM



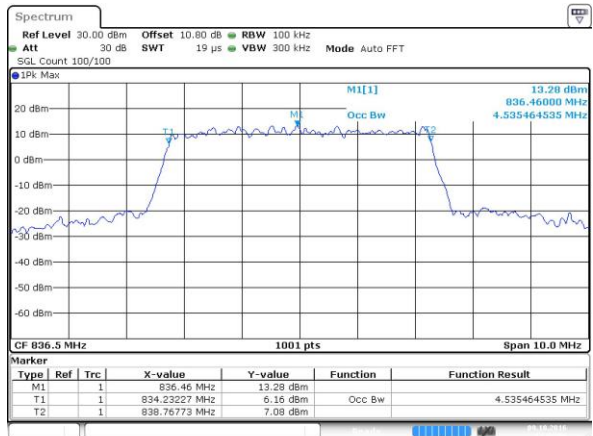
Date: 9 OCT 2016 13:47:54

Middle Channel / 5MHz / QPSK



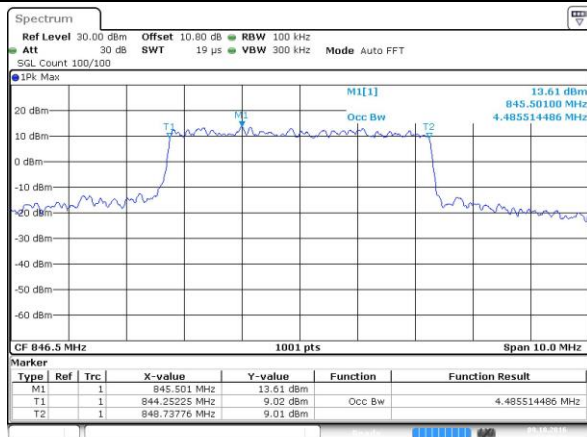
Date: 9 OCT 2016 13:56:50

Middle Channel / 5MHz / 16QAM



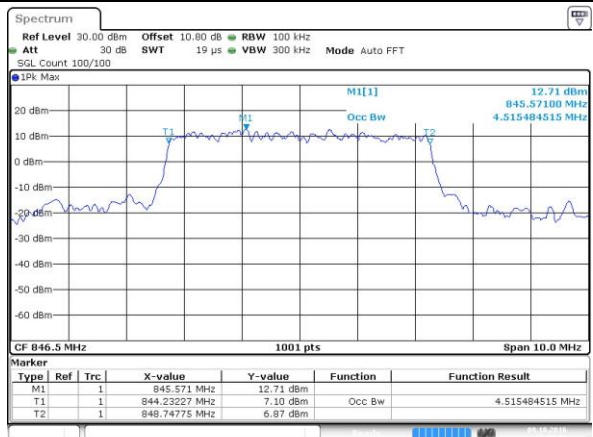
Date: 9 OCT 2016 13:57:01

Highest Channel / 5MHz / QPSK



Date: 9 OCT 2016 13:59:20

Highest Channel / 5MHz / 16QAM

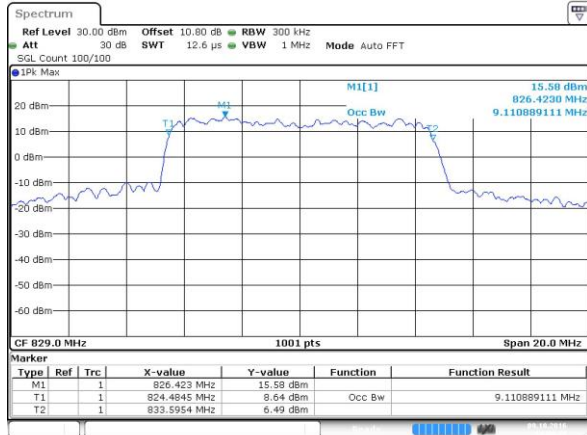


Date: 9 OCT 2016 13:59:30



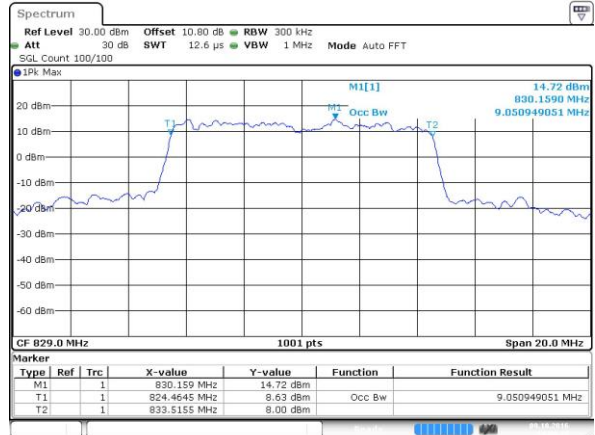
LTE Band 5

Lowest Channel / 10MHz / QPSK



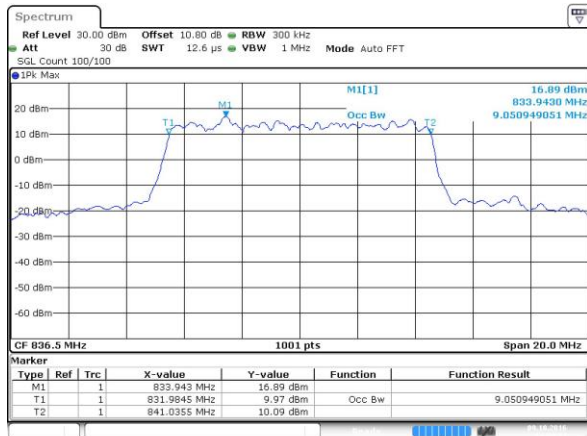
Date: 9.OCT.2016 14:08:26

Lowest Channel / 10MHz / 16QAM



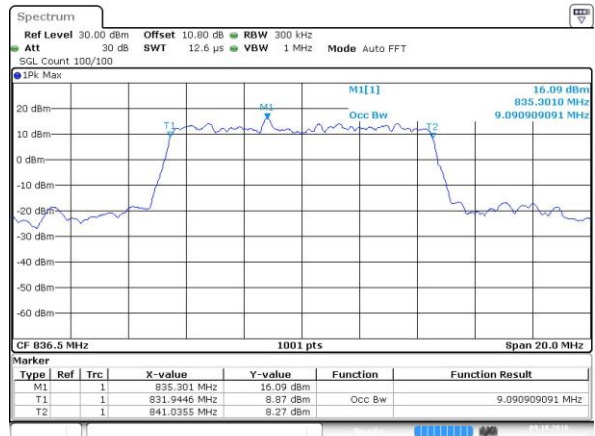
Date: 9.OCT.2016 14:08:36

Middle Channel / 10MHz / QPSK



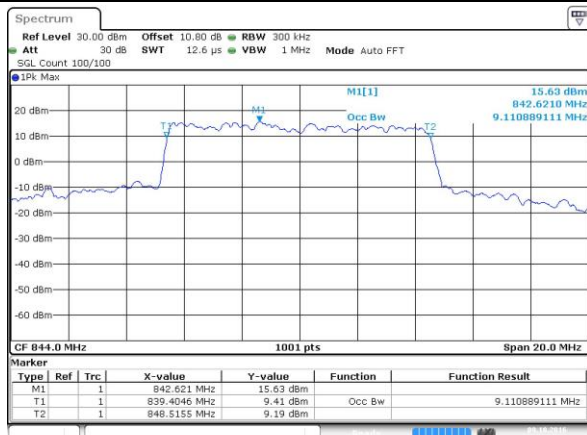
Date: 9.OCT.2016 14:22:32

Middle Channel / 10MHz / 16QAM



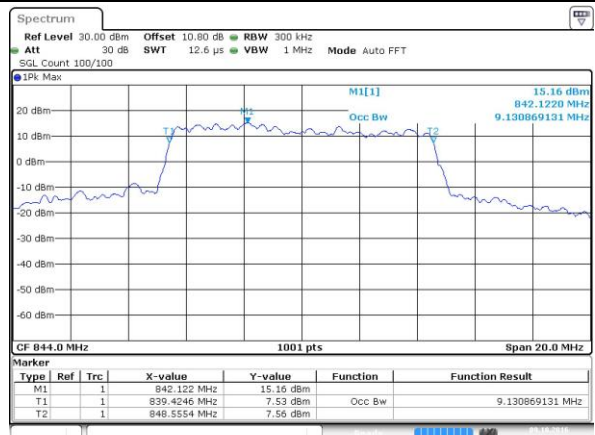
Date: 9.OCT.2016 14:22:42

Highest Channel / 10MHz / QPSK

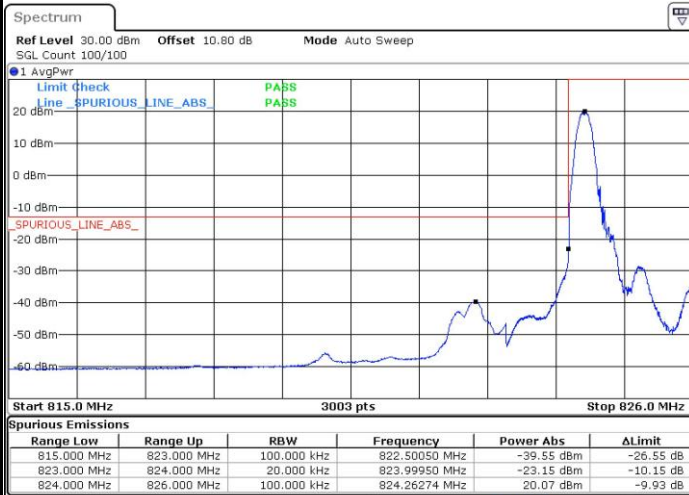
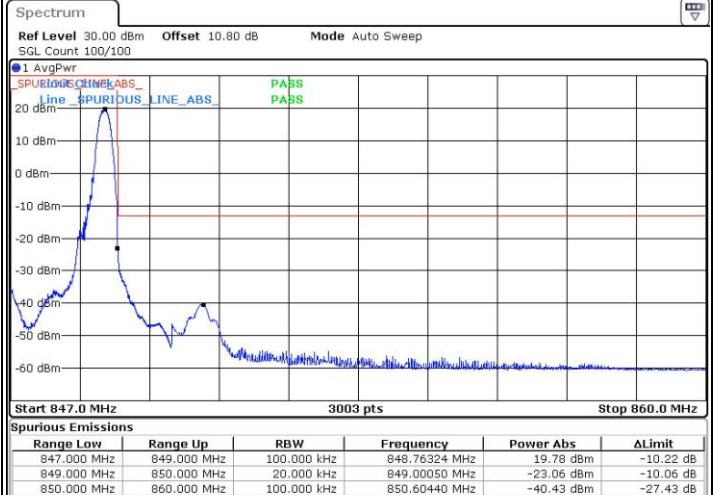
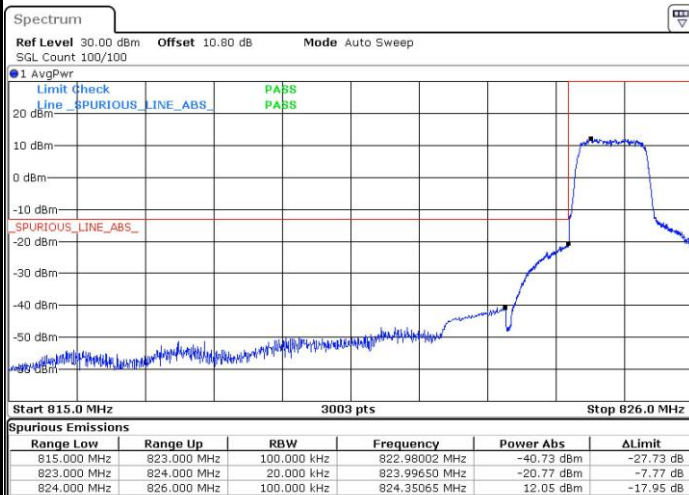


Date: 9.OCT.2016 14:25:01

Highest Channel / 10MHz / 16QAM



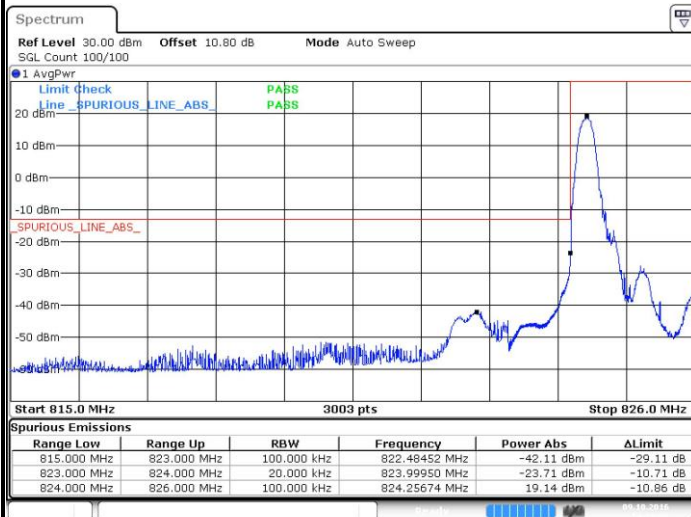
Date: 9.OCT.2016 14:25:12

**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 5 / 1.4MHz / 16QAM

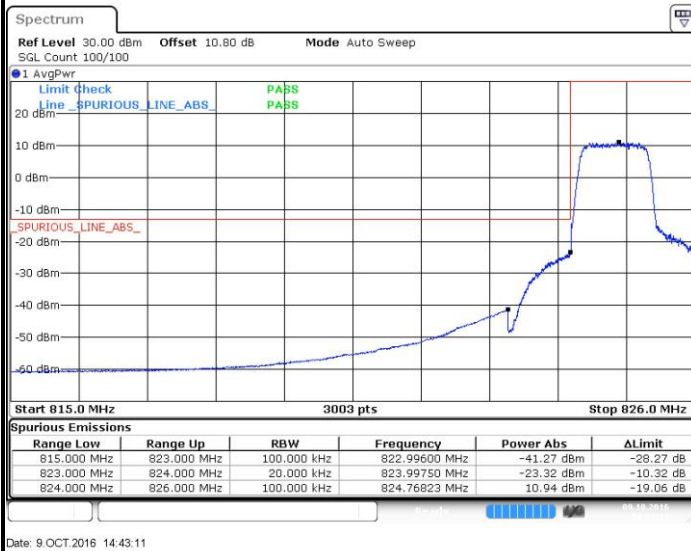
Lowest Band Edge / 1 RB



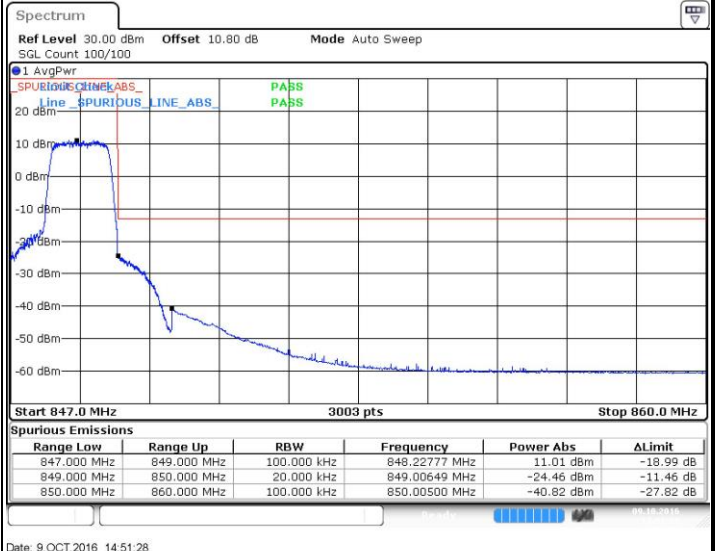
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



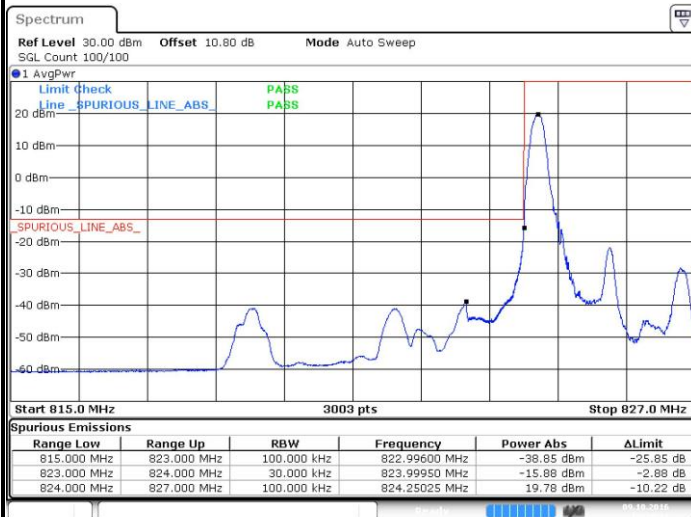
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / QPSK

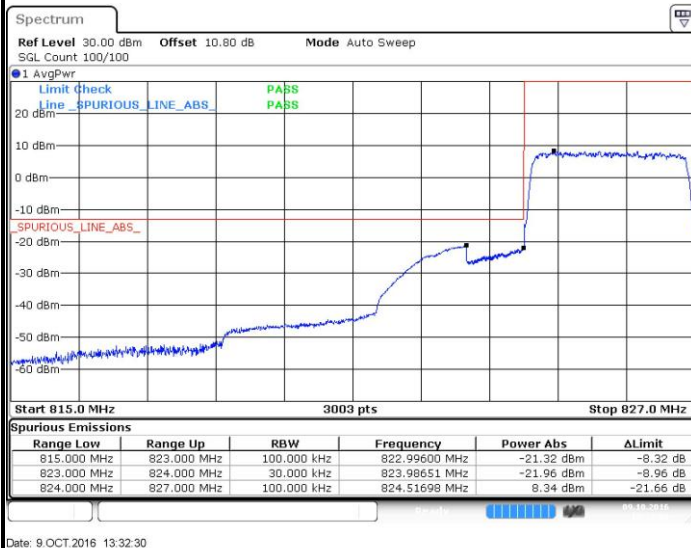
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



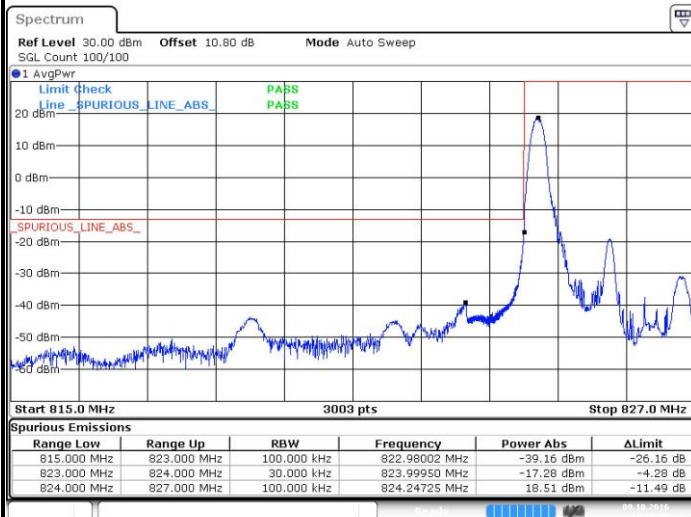
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

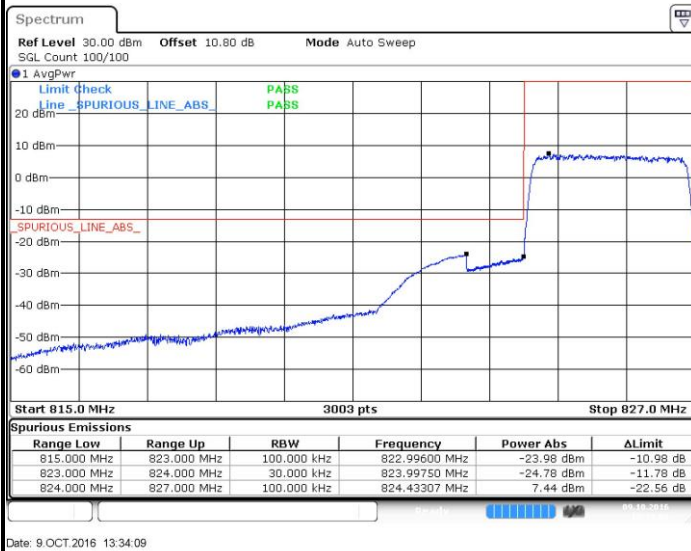
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



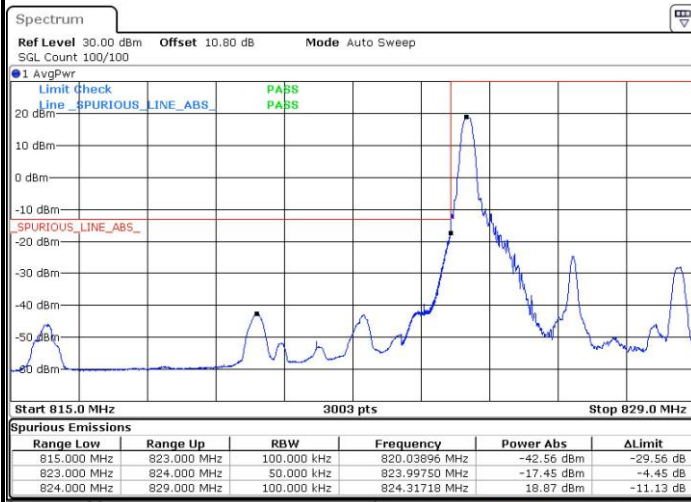
Highest Band Edge / Full RB



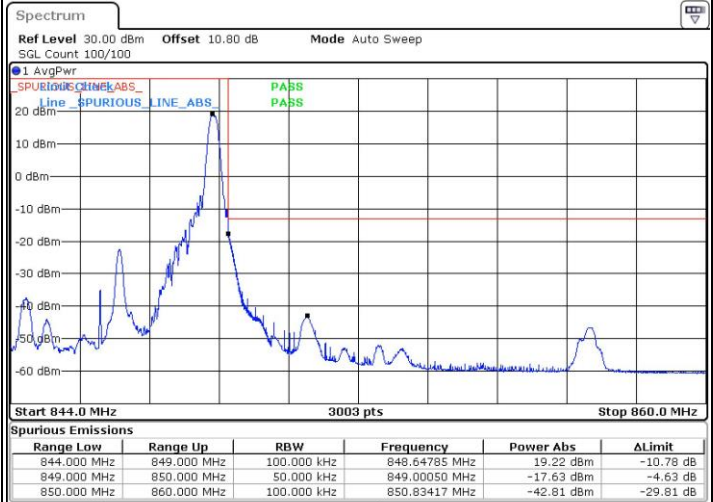


LTE Band 5 / 5MHz / QPSK

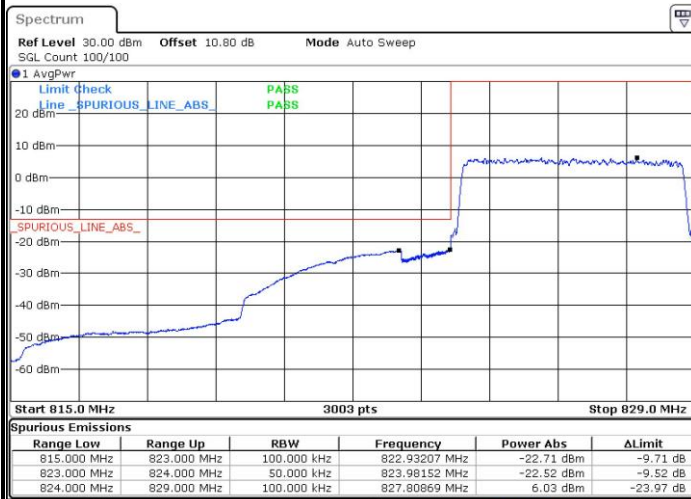
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



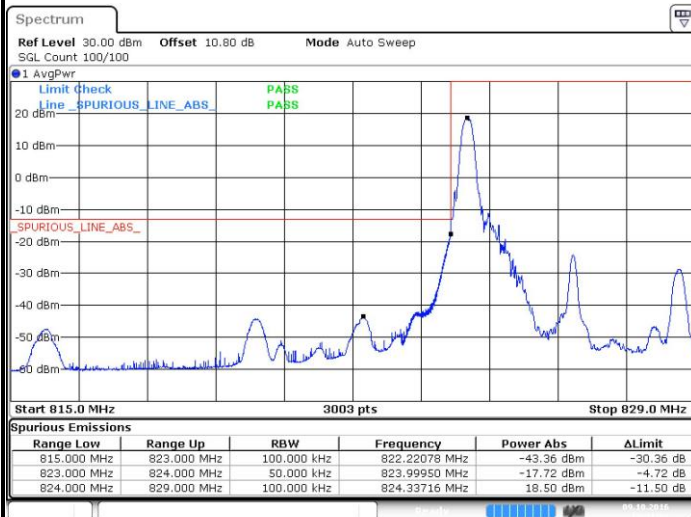
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 16QAM

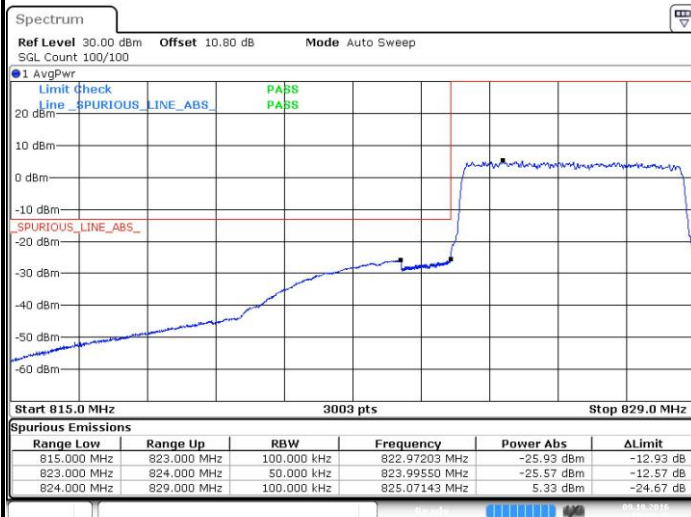
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

