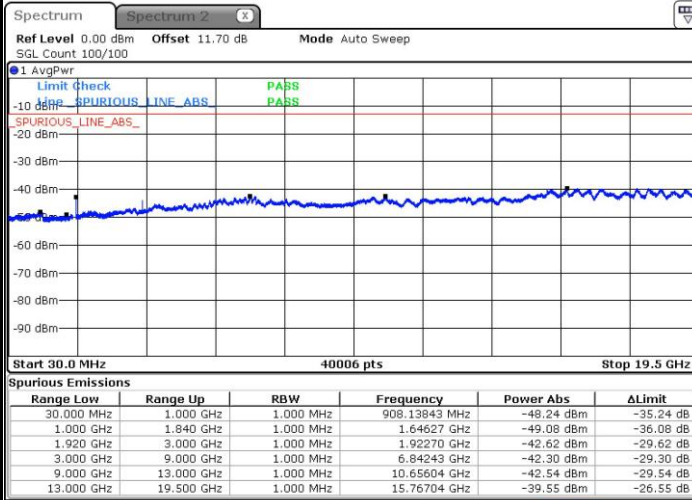




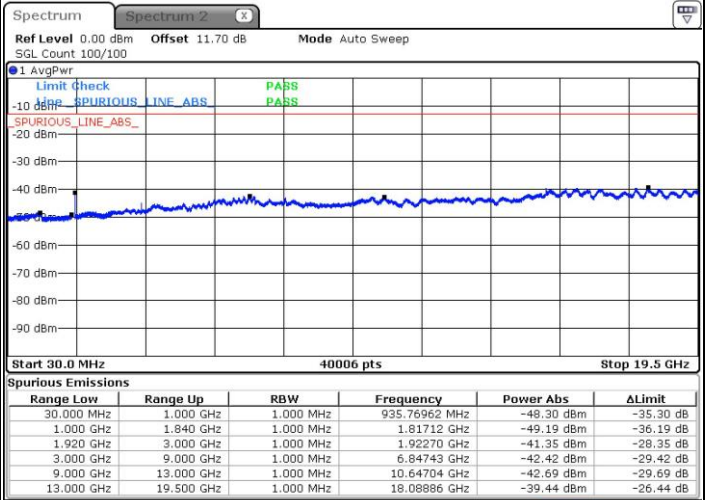
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 12.OCT.2016 20:30:00

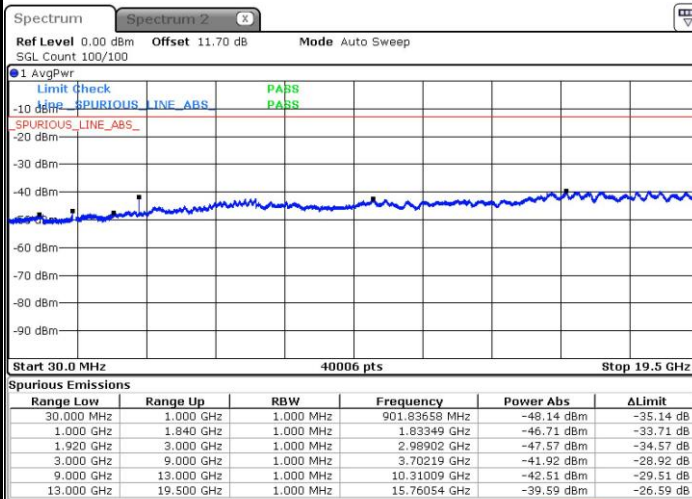
Highest Channel / 16QAM



Date: 12.OCT.2016 20:30:55

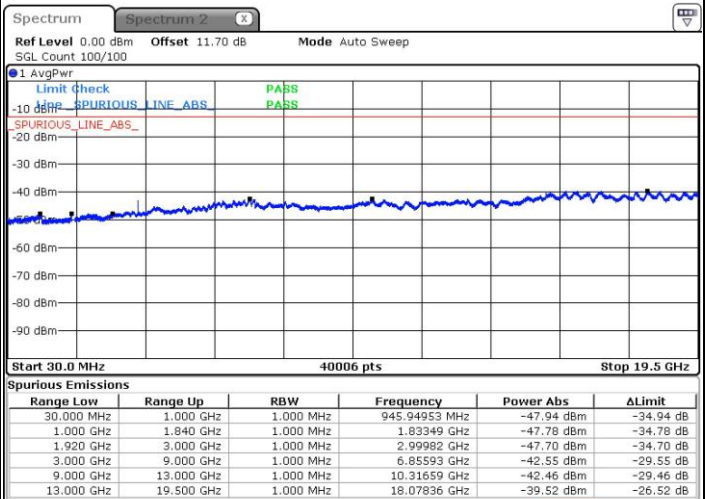
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 12.OCT.2016 20:37:09

Lowest Channel / 16QAM

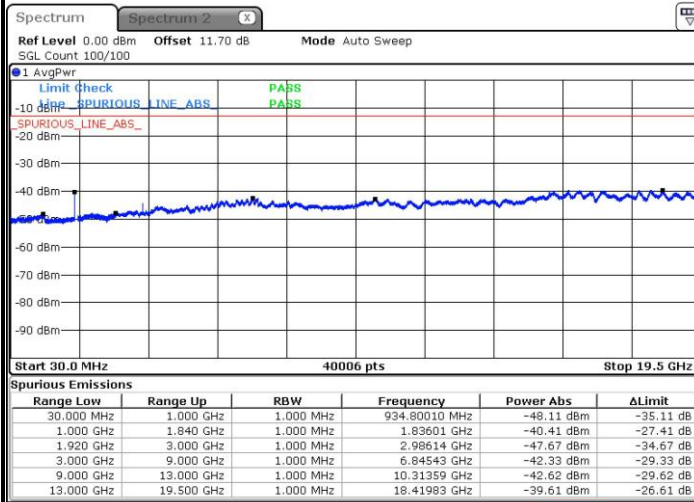


Date: 12.OCT.2016 20:38:04



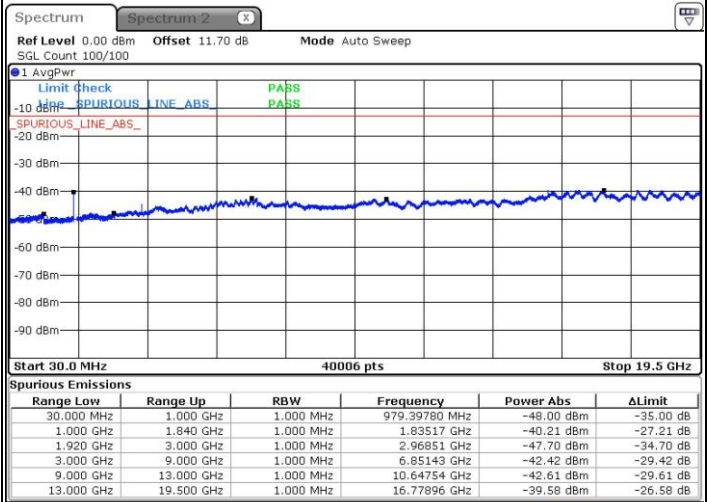
LTE Band 2 / 20MHz

Middle Channel / QPSK



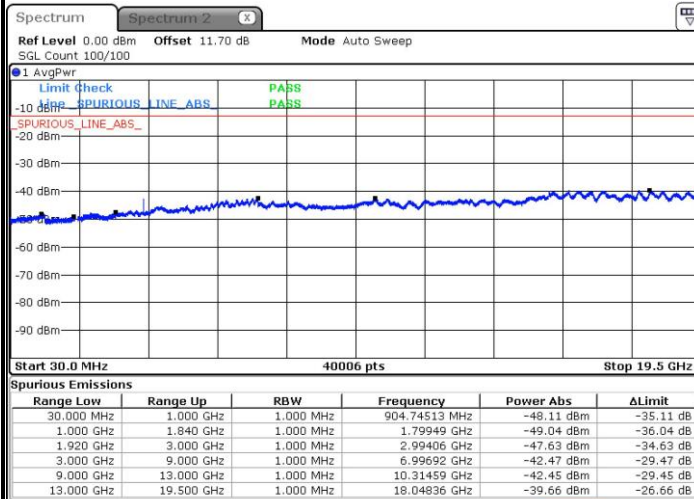
Date: 12.OCT.2016 20:39:41

Middle Channel / 16QAM



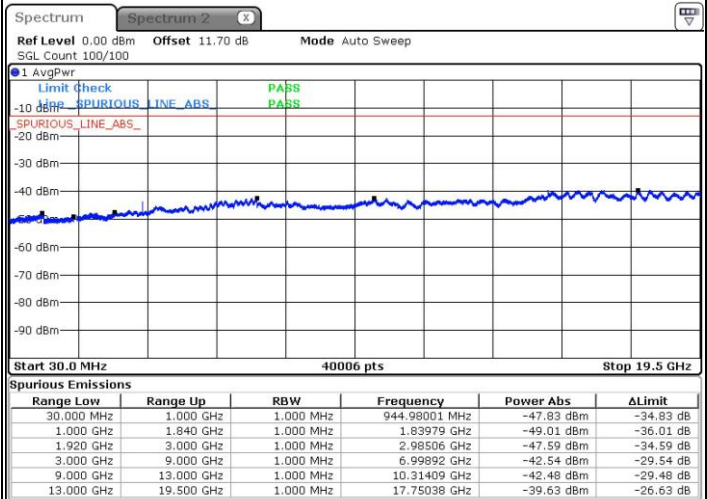
Date: 12.OCT.2016 20:40:35

Highest Channel / QPSK



Date: 12.OCT.2016 20:46:49

Highest Channel / 16QAM



Date: 12.OCT.2016 20:47:44

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	0.0115	PASS
40	Normal Voltage	0.0100	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0092	
0	Normal Voltage	0.0125	
-10	Normal Voltage	0.0121	
-20	Normal Voltage	0.0107	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0110	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

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	4.35	3.3	5.28	PASS
Middle CH	3.1	4.26	4.12	5.16	
Highest CH	2.49	4.09	3.54	5.01	

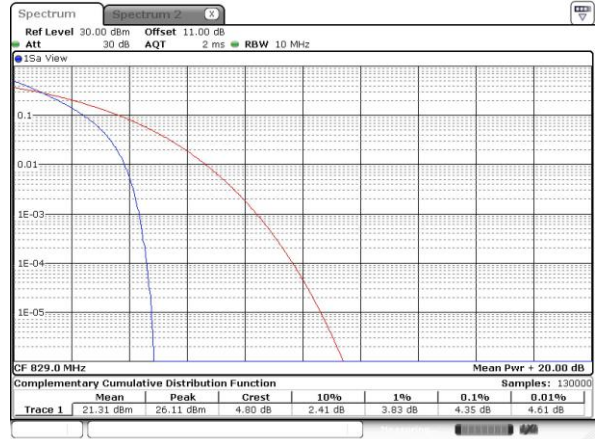


LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

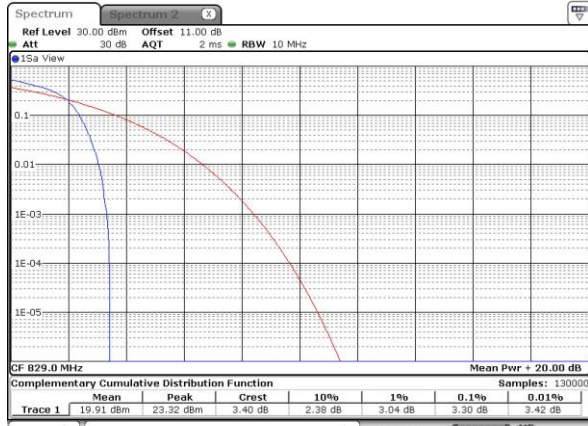


Highest Channel / 1RB

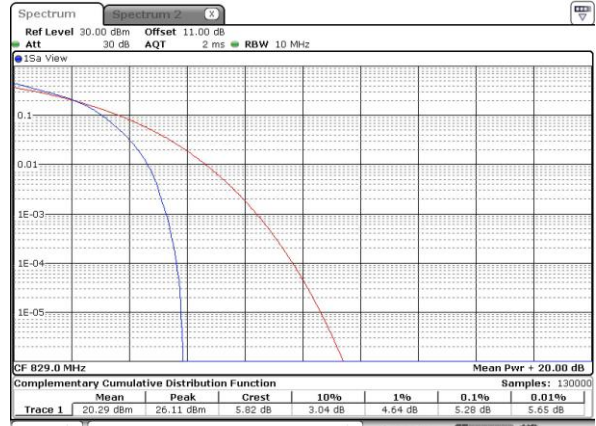


Highest Channel / Full RB

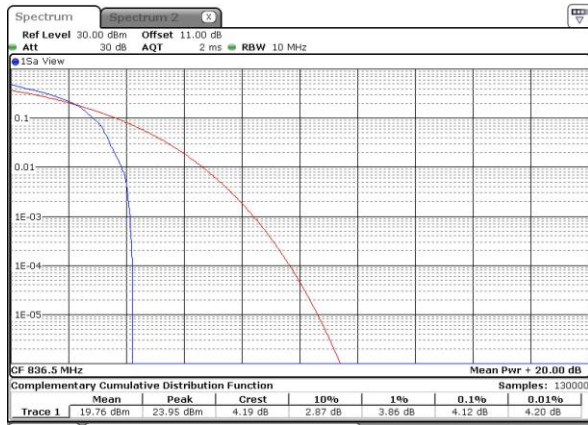


LTE Band 5 / 10MHz / 16QAM
Lowest Channel / 1RB


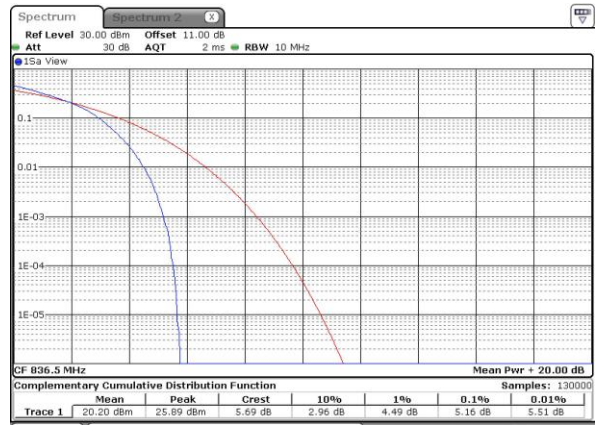
Date: 12.OCT.2016 23:11:45

Lowest Channel / Full RB


Date: 12.OCT.2016 23:12:19

Middle Channel / 1RB


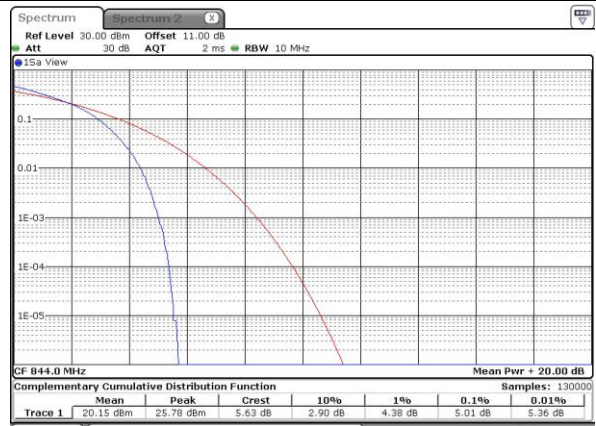
Date: 12.OCT.2016 23:19:15

Middle Channel / Full RB


Date: 12.OCT.2016 23:19:32

Highest Channel / 1RB


Date: 12.OCT.2016 23:20:03

Highest Channel / Full RB


Date: 12.OCT.2016 23:20:55



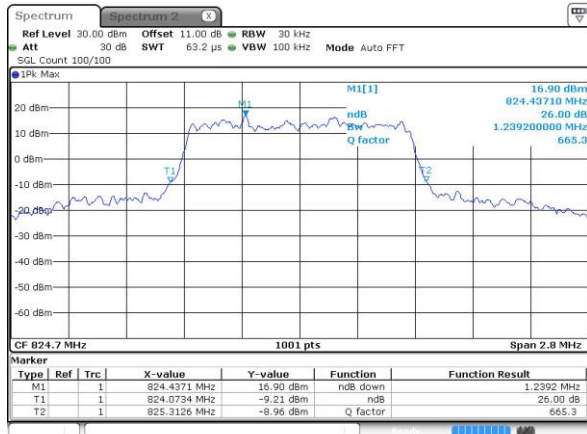
26dB Bandwidth

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	1.239	1.281	3.033	3.033	4.965	4.865	9.95	9.97	-	-	-	-
Middle CH	1.253	1.248	3.039	2.991	4.895	5.005	9.89	10.03	-	-	-	-
Highest CH	1.287	1.292	3.045	2.997	4.945	5.025	9.99	9.73	-	-	-	-

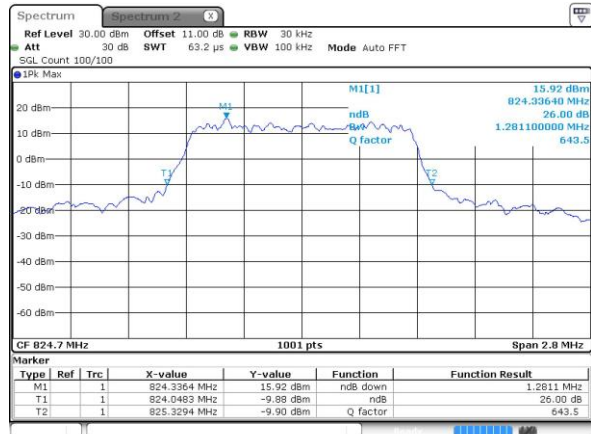


LTE Band 5

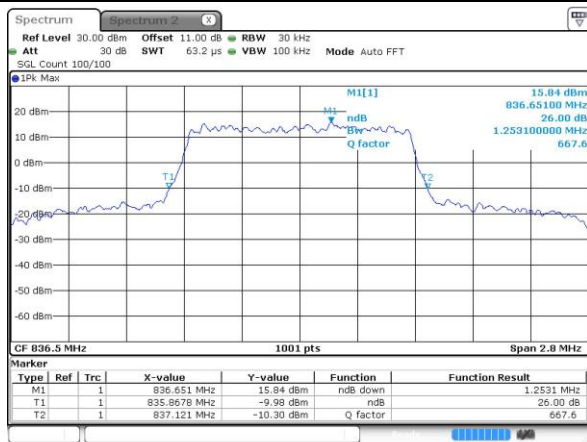
Lowest Channel / 1.4MHz / QPSK



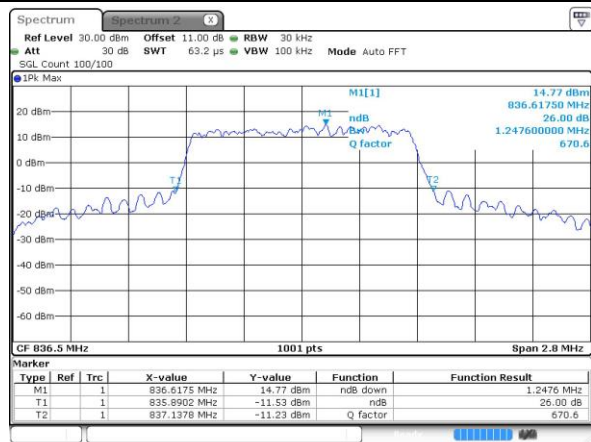
Lowest Channel / 1.4MHz / 16QAM



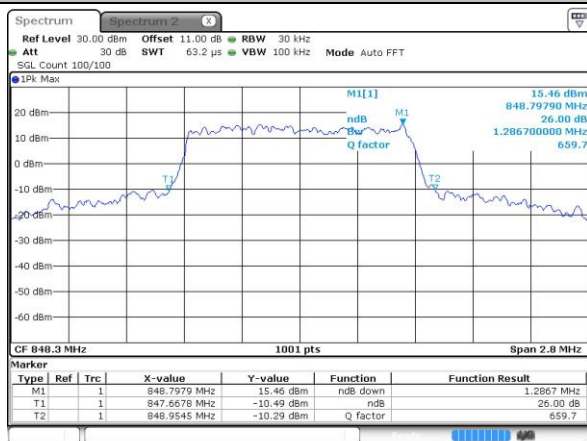
Middle Channel / 1.4MHz / QPSK



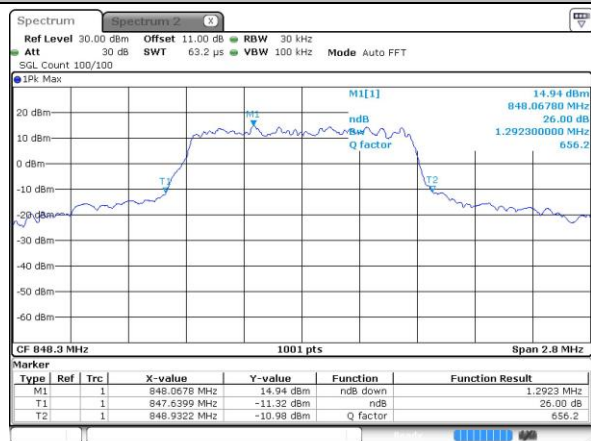
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



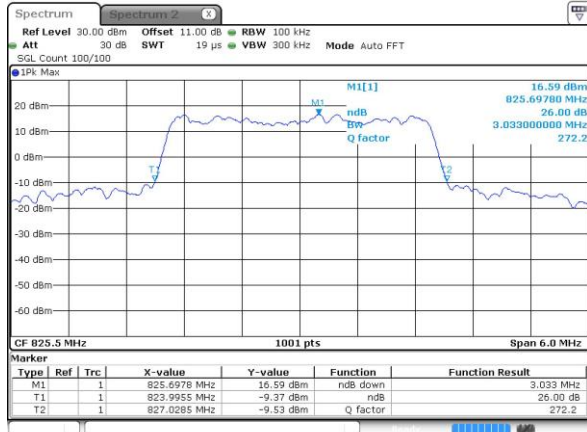
Highest Channel / 1.4MHz / 16QAM





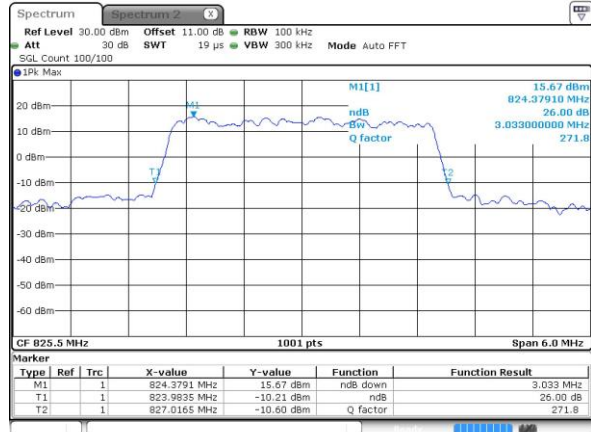
LTE Band 5

Lowest Channel / 3MHz / QPSK



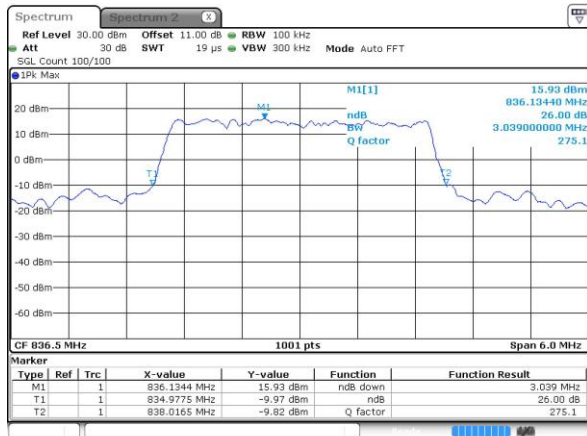
Date: 12.OCT.2016 21:09:57

Lowest Channel / 3MHz / 16QAM



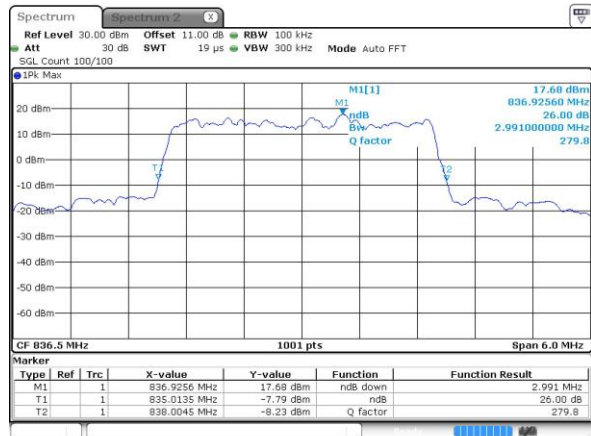
Date: 12.OCT.2016 21:10:08

Middle Channel / 3MHz / QPSK



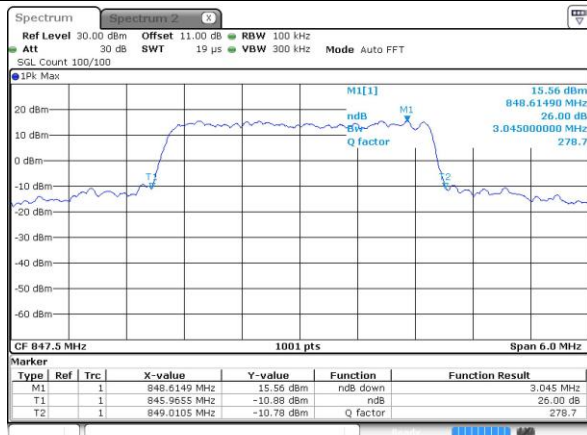
Date: 12.OCT.2016 21:19:05

Middle Channel / 3MHz / 16QAM



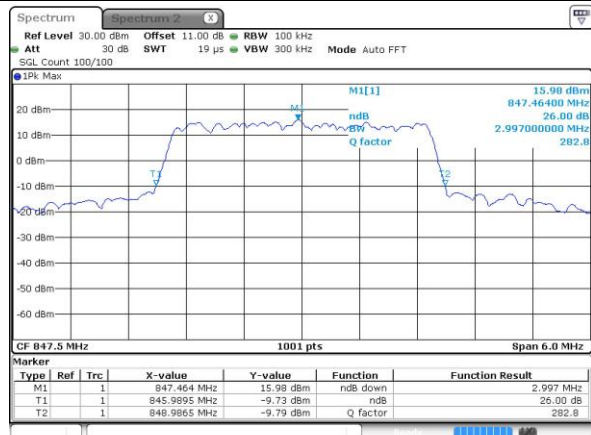
Date: 12.OCT.2016 21:19:15

Highest Channel / 3MHz / QPSK



Date: 12.OCT.2016 21:21:35

Highest Channel / 3MHz / 16QAM

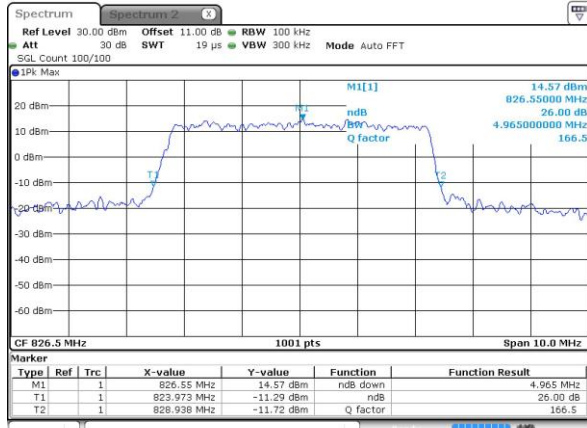


Date: 12.OCT.2016 21:21:46



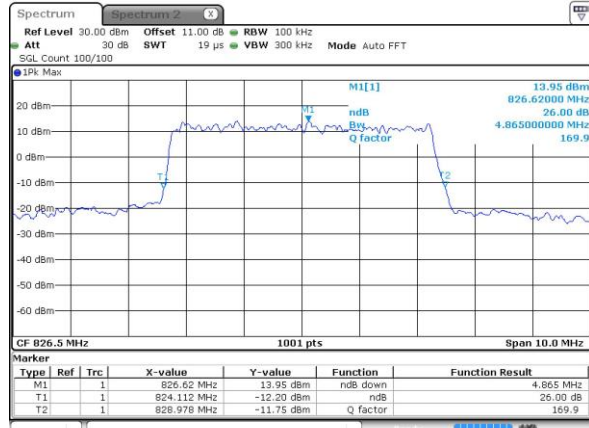
LTE Band 5

Lowest Channel / 5MHz / QPSK



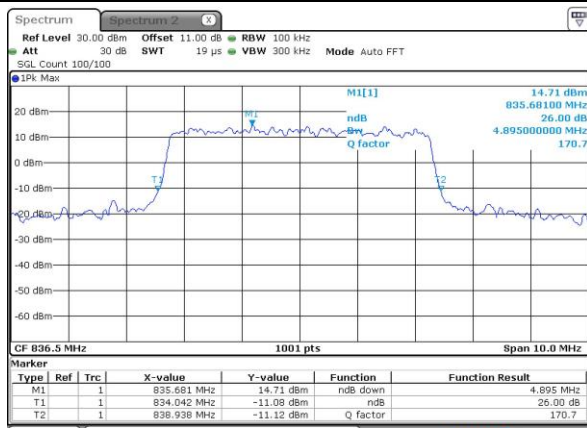
Date: 12.OCT.2016 21:30:43

Lowest Channel / 5MHz / 16QAM



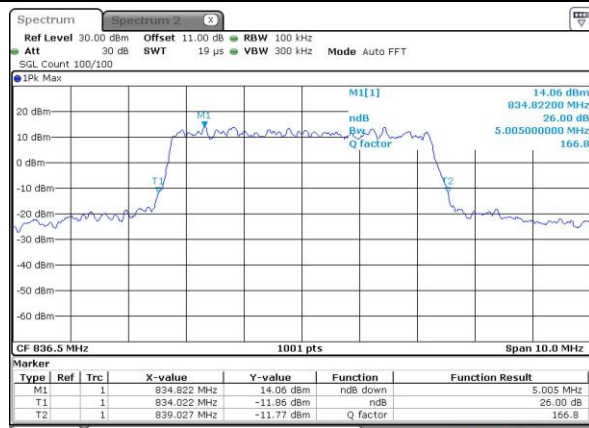
Date: 12.OCT.2016 21:30:53

Middle Channel / 5MHz / QPSK



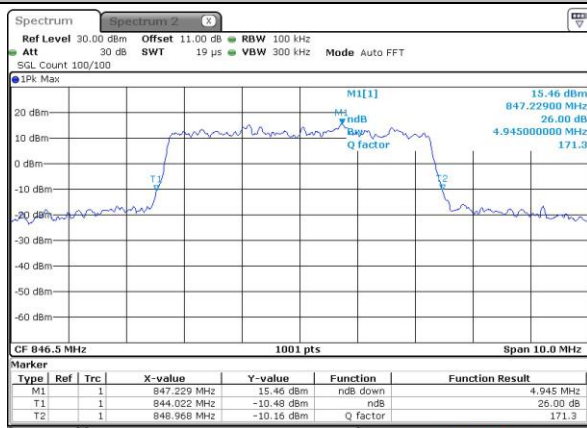
Date: 12.OCT.2016 21:43:38

Middle Channel / 5MHz / 16QAM



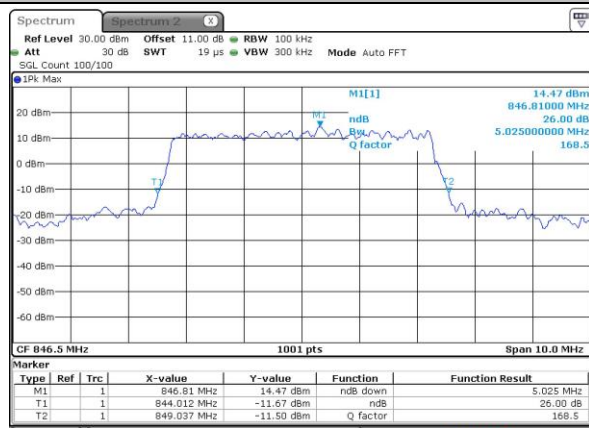
Date: 12.OCT.2016 21:43:48

Highest Channel / 5MHz / QPSK



Date: 12.OCT.2016 21:46:09

Highest Channel / 5MHz / 16QAM

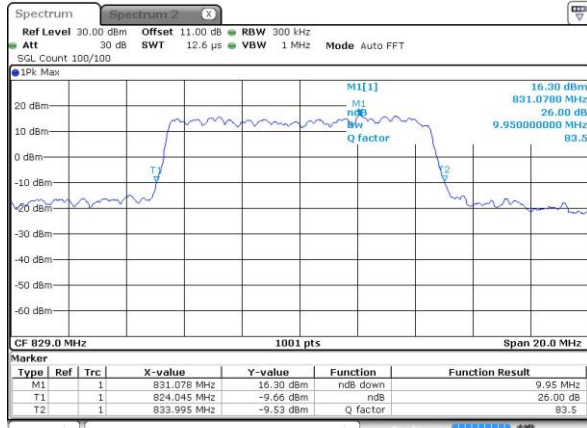


Date: 12.OCT.2016 21:46:19



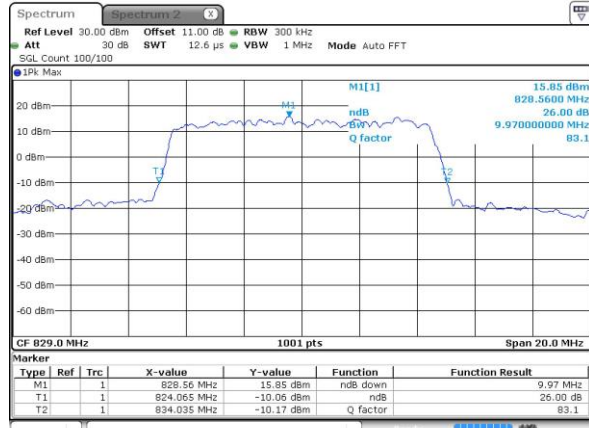
LTE Band 5

Lowest Channel / 10MHz / QPSK



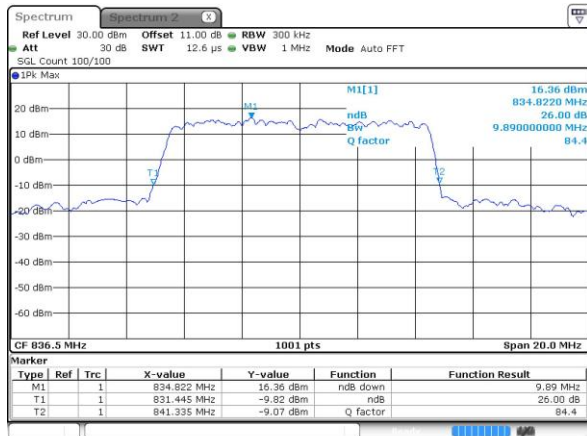
Date: 12.OCT.2016 21:55:16

Lowest Channel / 10MHz / 16QAM



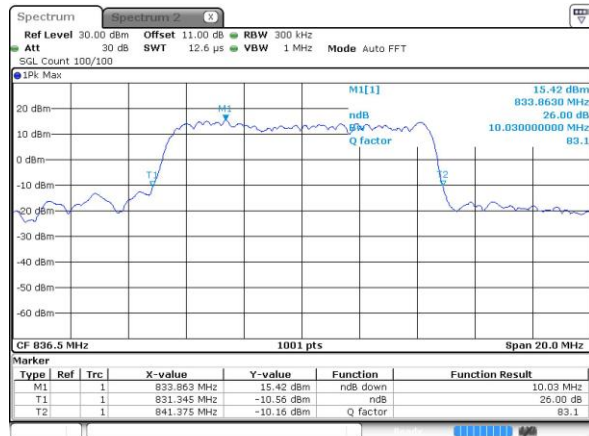
Date: 12.OCT.2016 21:55:26

Middle Channel / 10MHz / QPSK



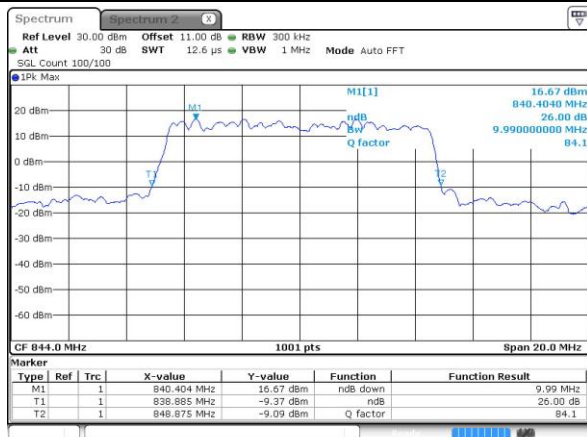
Date: 12.OCT.2016 22:04:24

Middle Channel / 10MHz / 16QAM



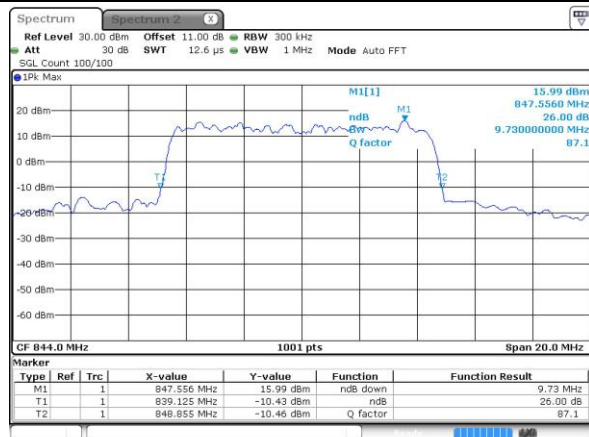
Date: 12.OCT.2016 22:04:34

Highest Channel / 10MHz / QPSK



Date: 12.OCT.2016 22:06:54

Highest Channel / 10MHz / 16QAM



Date: 12.OCT.2016 22:07:05



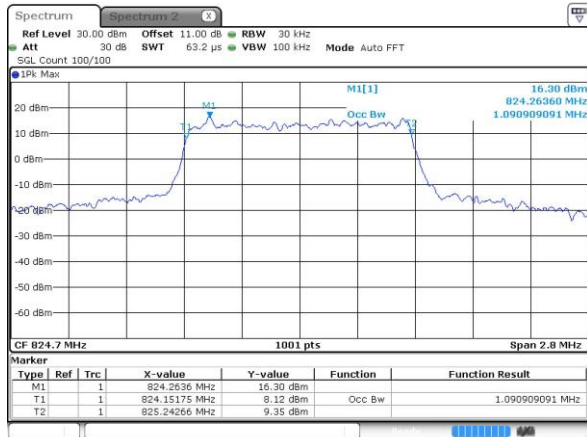
Occupied Bandwidth

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	1.09	1.1	2.75	2.74	4.52	4.5	9.01	9.03	-	-	-	-
Middle CH	1.09	1.1	2.75	2.73	4.49	4.51	9.01	9.03	-	-	-	-
Highest CH	1.09	1.09	2.75	2.75	4.51	4.51	9.11	9.07	-	-	-	-

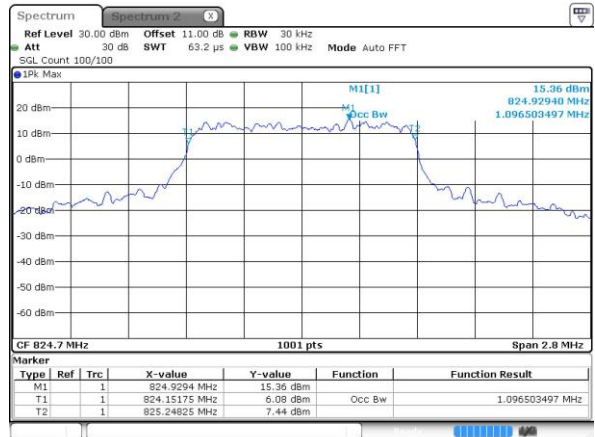


LTE Band 5

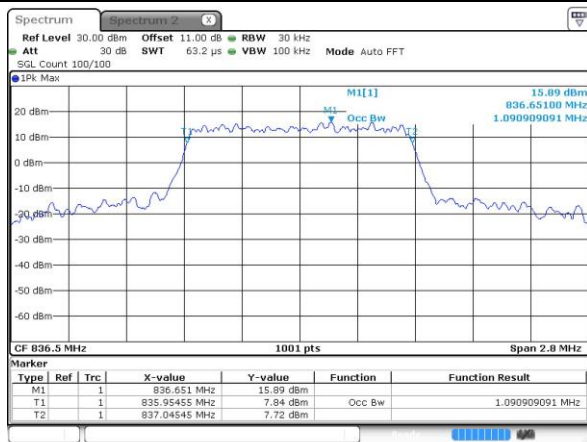
Lowest Channel / 1.4MHz / QPSK



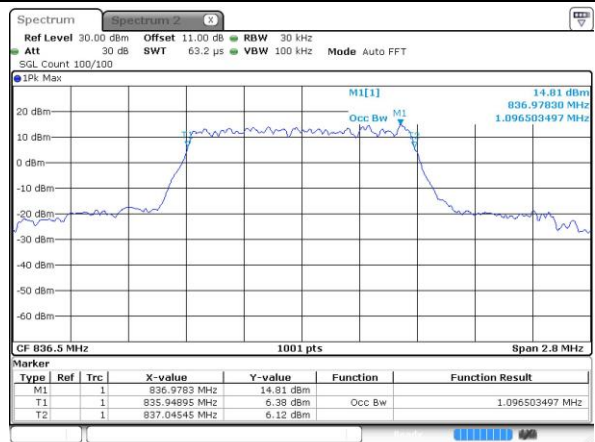
Lowest Channel / 1.4MHz / 16QAM



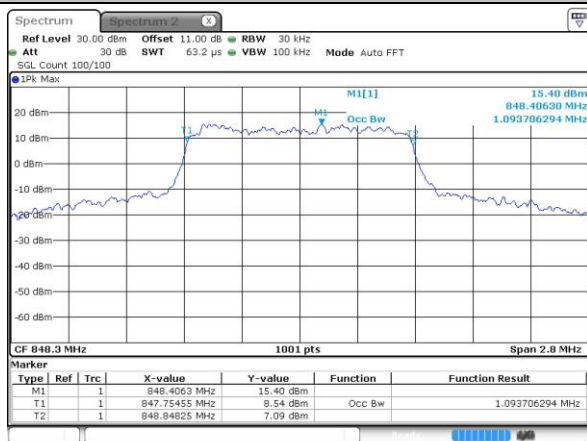
Middle Channel / 1.4MHz / QPSK



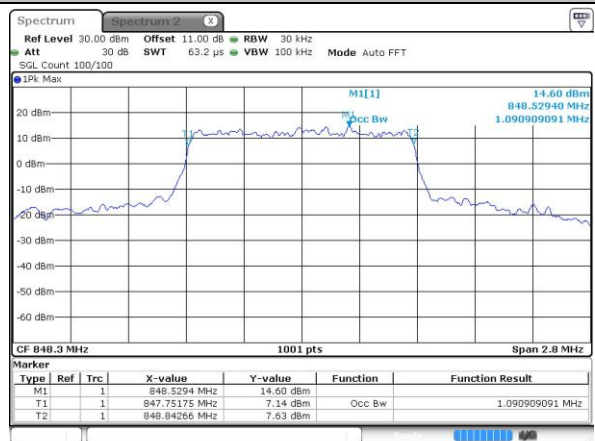
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



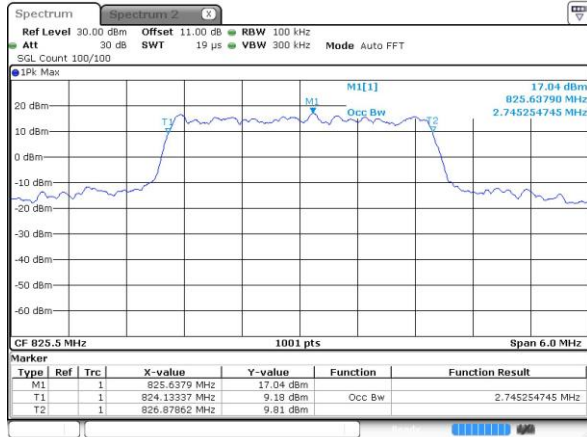
Highest Channel / 1.4MHz / 16QAM



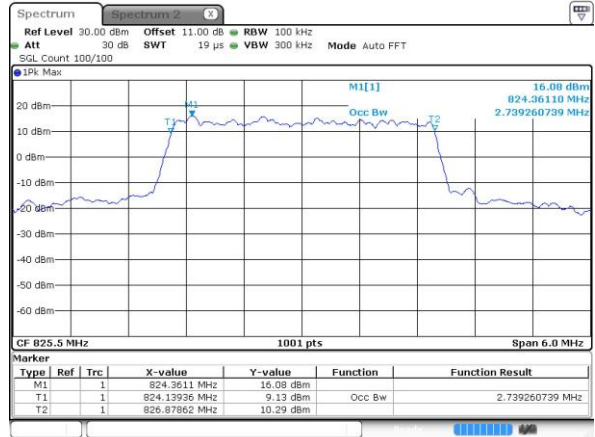


LTE Band 5

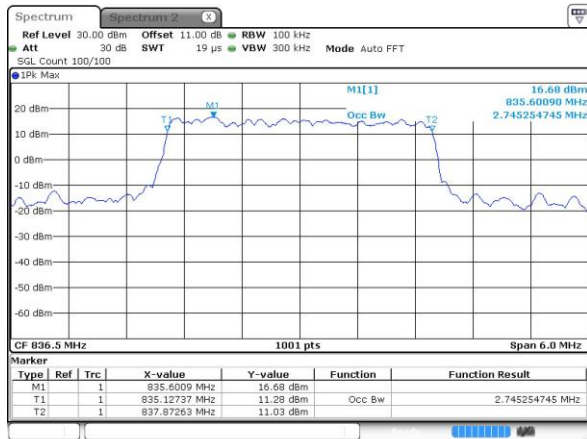
Lowest Channel / 3MHz / QPSK



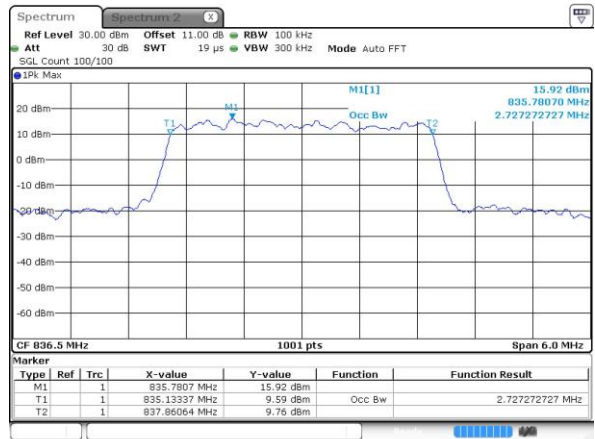
Lowest Channel / 3MHz / 16QAM



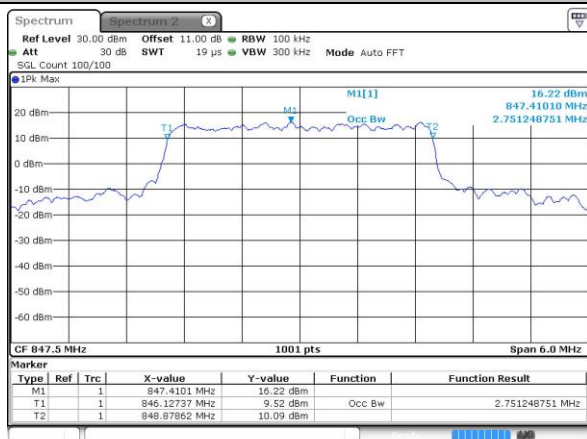
Middle Channel / 3MHz / QPSK



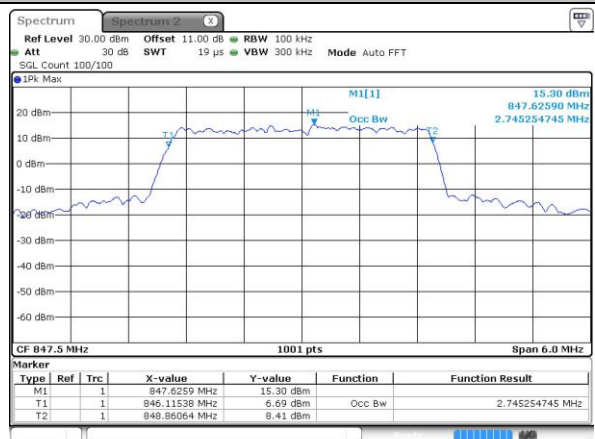
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



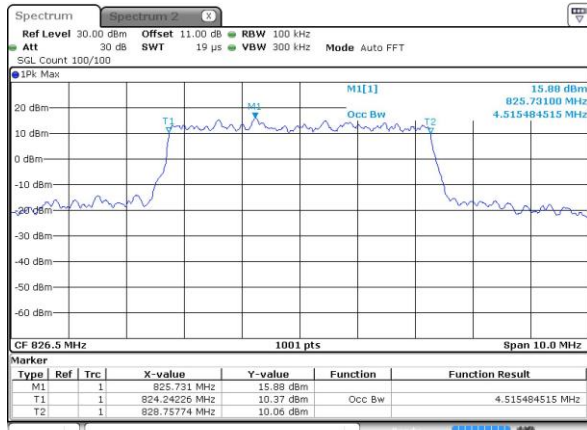
Highest Channel / 3MHz / 16QAM



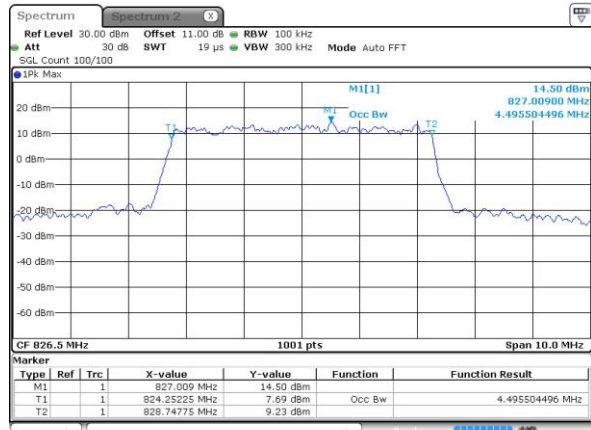


LTE Band 5

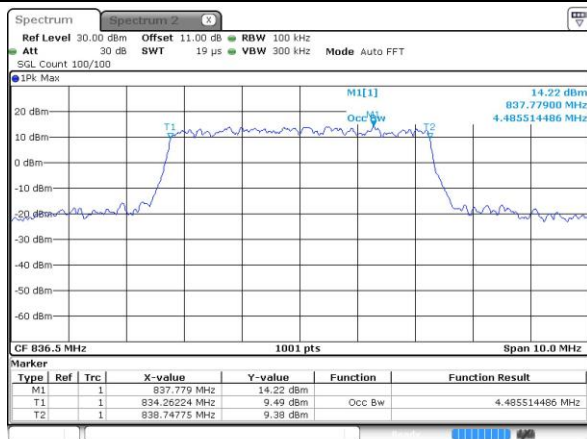
Lowest Channel / 5MHz / QPSK



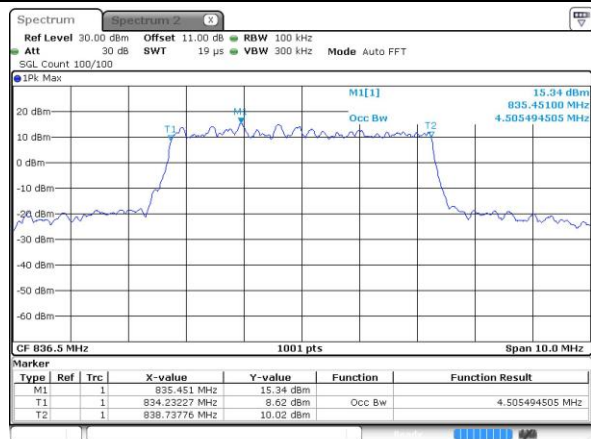
Lowest Channel / 5MHz / 16QAM



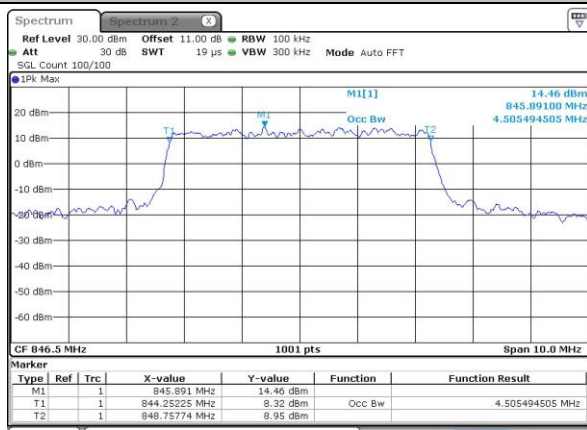
Middle Channel / 5MHz / QPSK



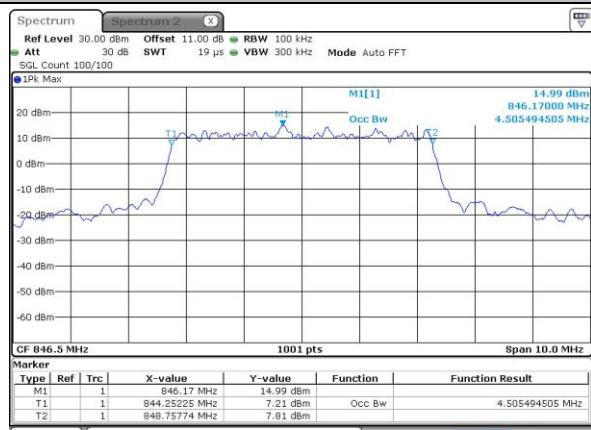
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



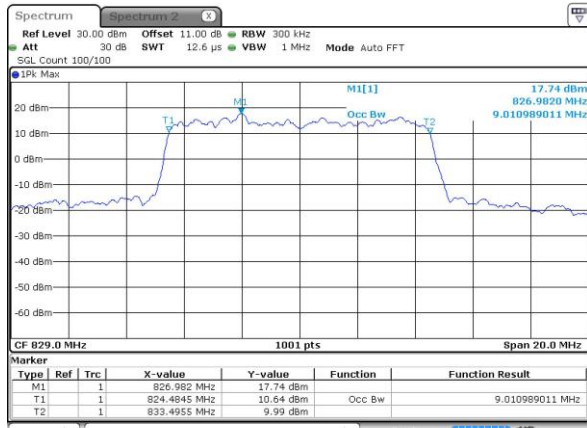
Highest Channel / 5MHz / 16QAM





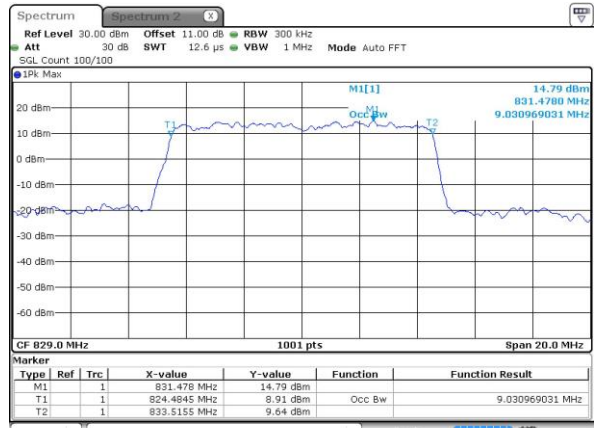
LTE Band 5

Lowest Channel / 10MHz / QPSK



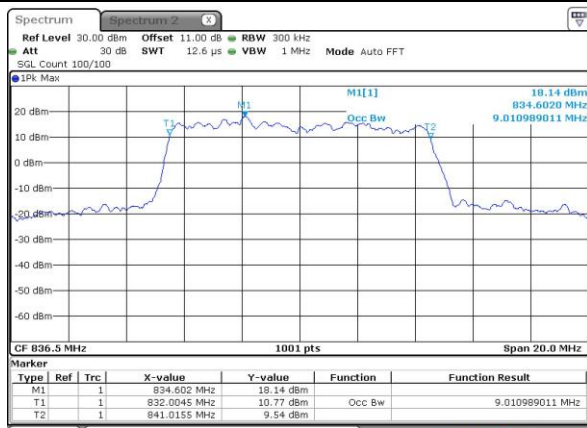
Date: 12.OCT.2016 21:54:55

Lowest Channel / 10MHz / 16QAM



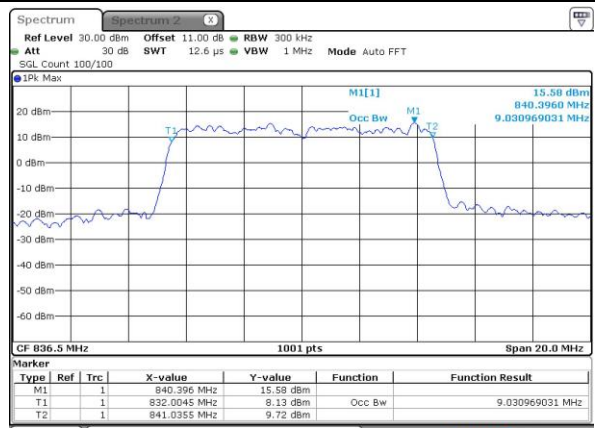
Date: 12.OCT.2016 21:55:06

Middle Channel / 10MHz / QPSK



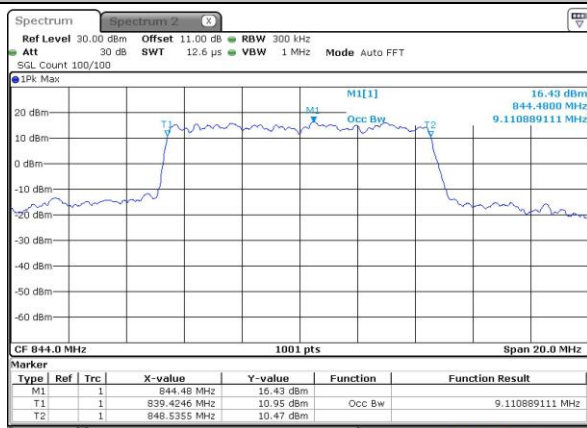
Date: 12.OCT.2016 22:04:03

Middle Channel / 10MHz / 16QAM



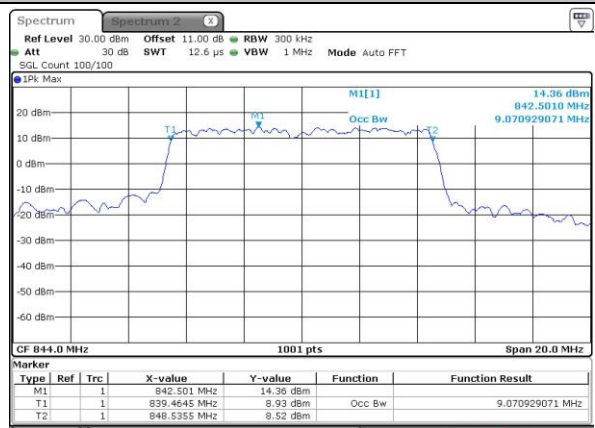
Date: 12.OCT.2016 22:04:13

Highest Channel / 10MHz / QPSK



Date: 12.OCT.2016 22:06:34

Highest Channel / 10MHz / 16QAM



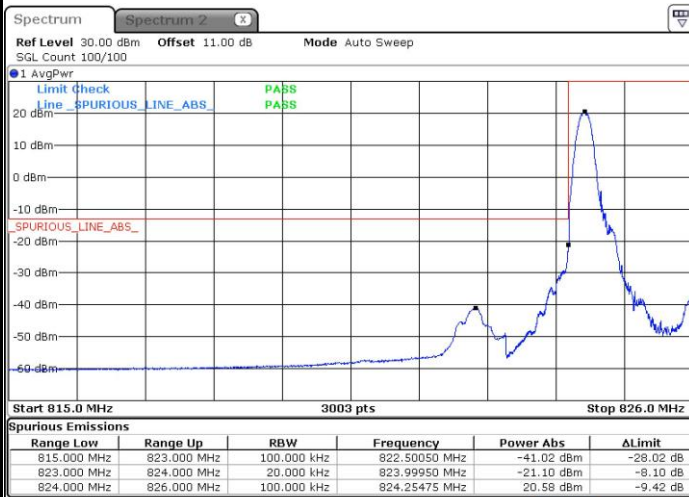
Date: 12.OCT.2016 22:06:44



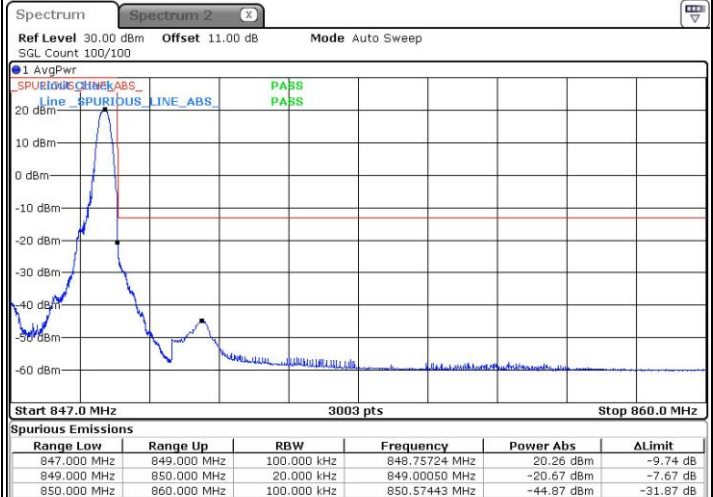
Conducted Band Edge

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



Date: 12.OCT.2016 22:52:02

Highest Band Edge / 1 RB



Date: 12.OCT.2016 23:06:57

Lowest Band Edge / Full RB



Date: 12.OCT.2016 22:55:20

Highest Band Edge / Full RB

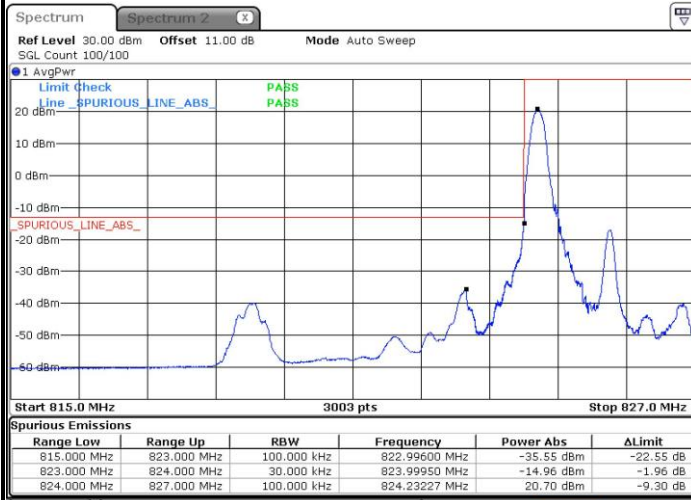


Date: 12.OCT.2016 23:03:39

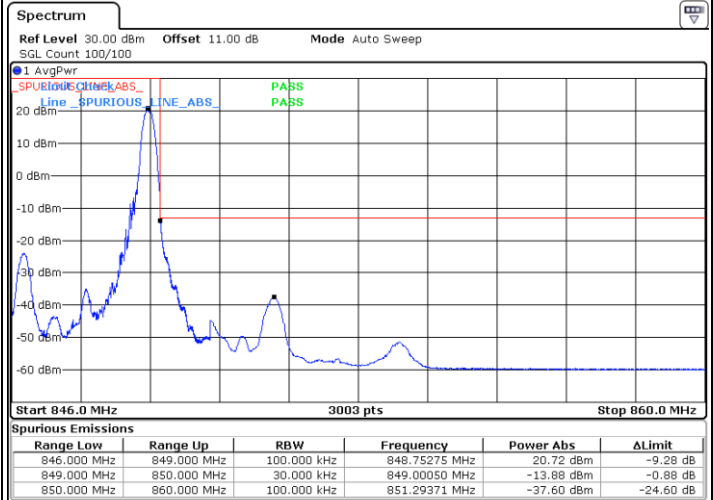


LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



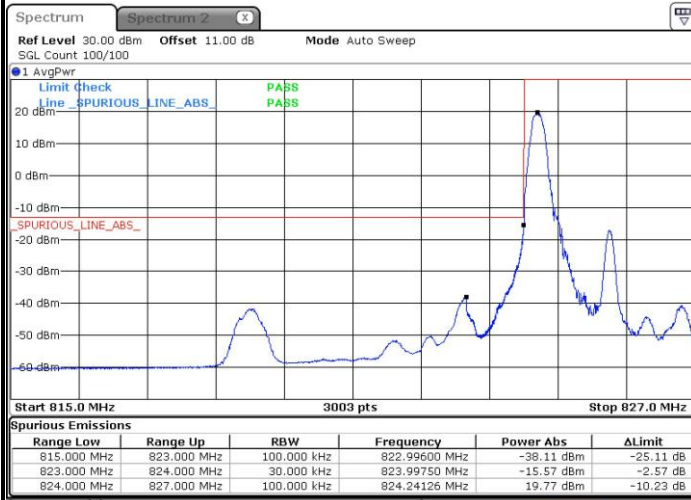
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 12.OCT.2016 21:13:26

Highest Band Edge / 1 RB



Date: 12.OCT.2016 21:25:04

Lowest Band Edge / Full RB



Date: 12.OCT.2016 21:16:44

Highest Band Edge / Full RB

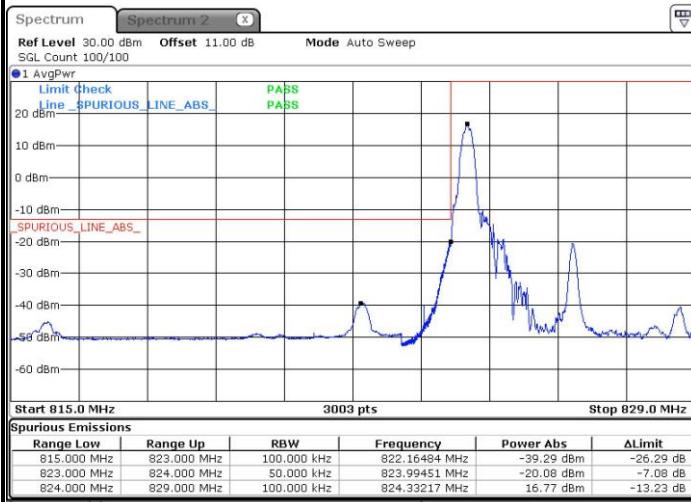


Date: 12.OCT.2016 21:28:22

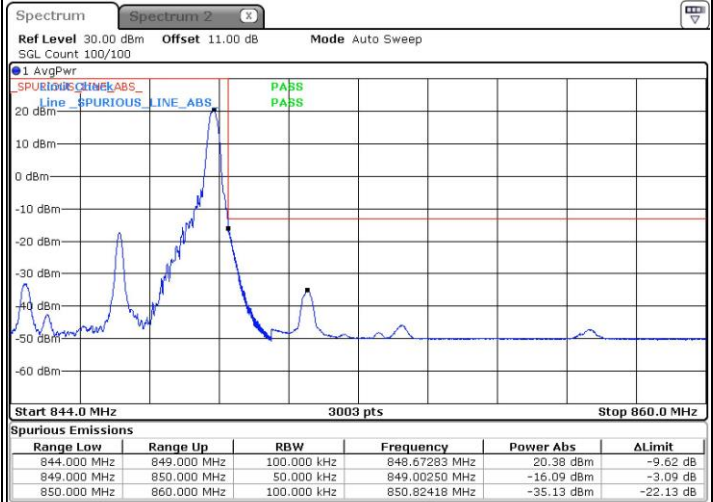


LTE Band 5 / 5MHz / QPSK

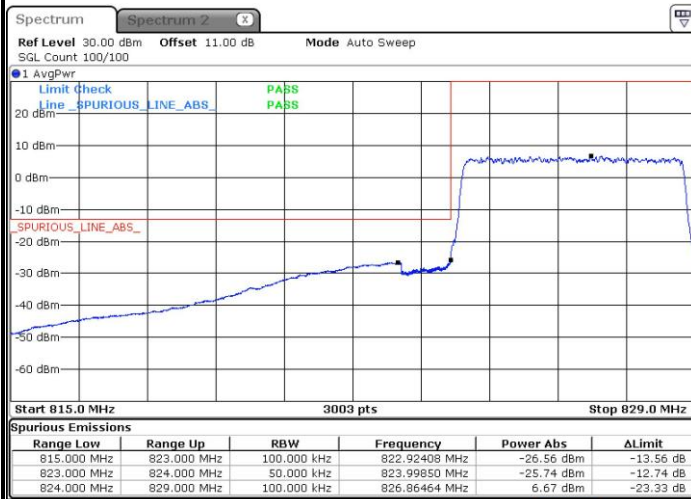
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

