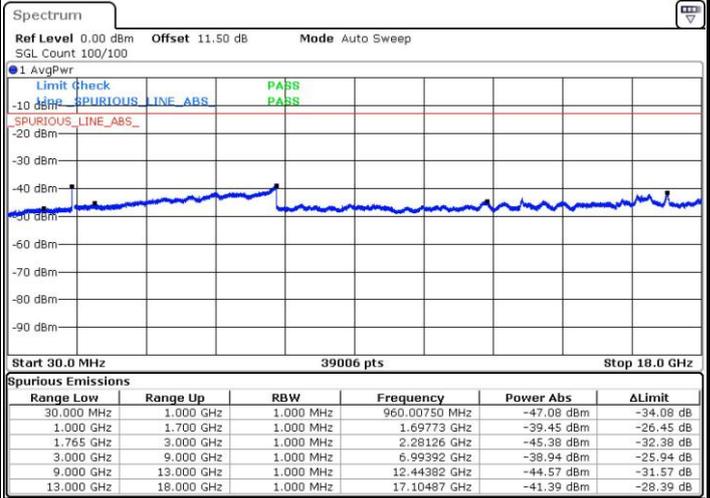
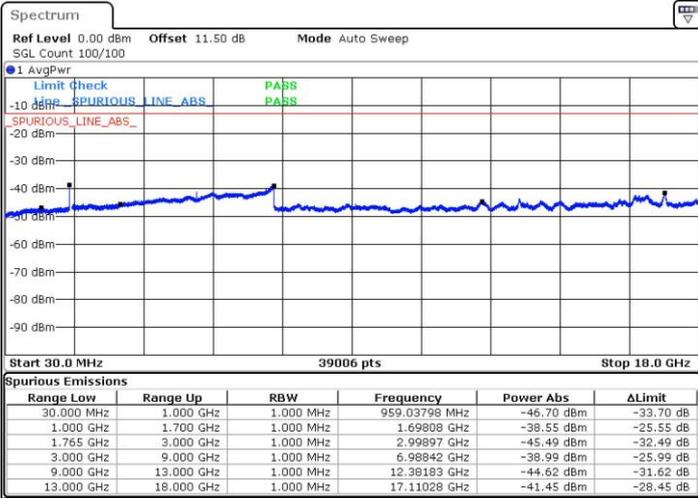




LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

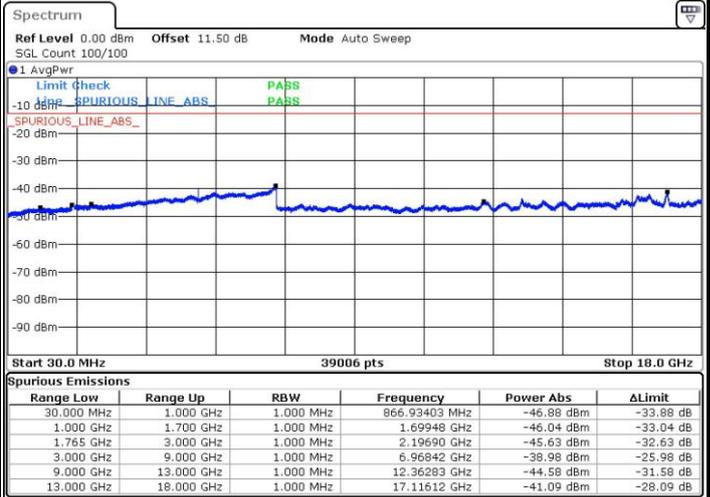
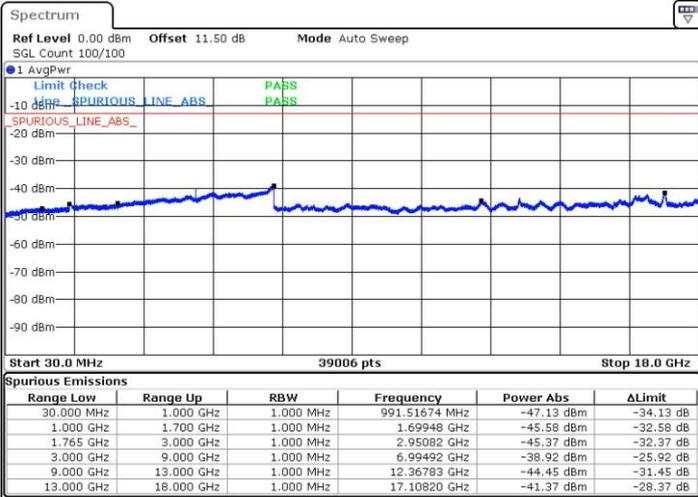


Date: 3.AUG.2016 11:55:17

Date: 3.AUG.2016 11:56:16

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3.AUG.2016 11:58:01

Date: 3.AUG.2016 11:58:59



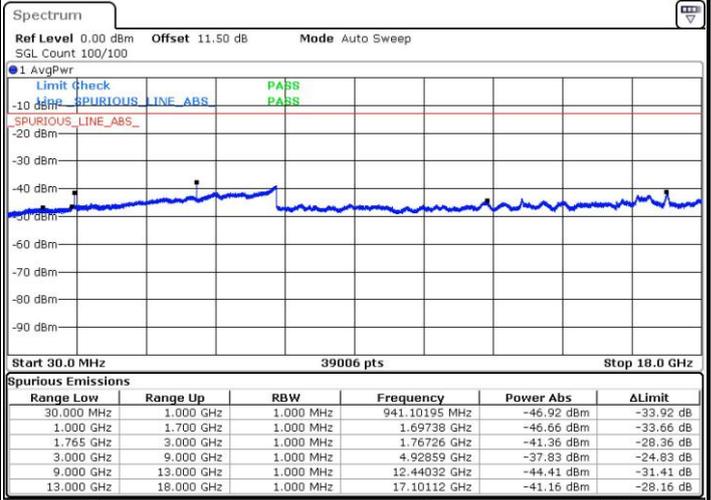
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 3.AUG.2016 12:05:23

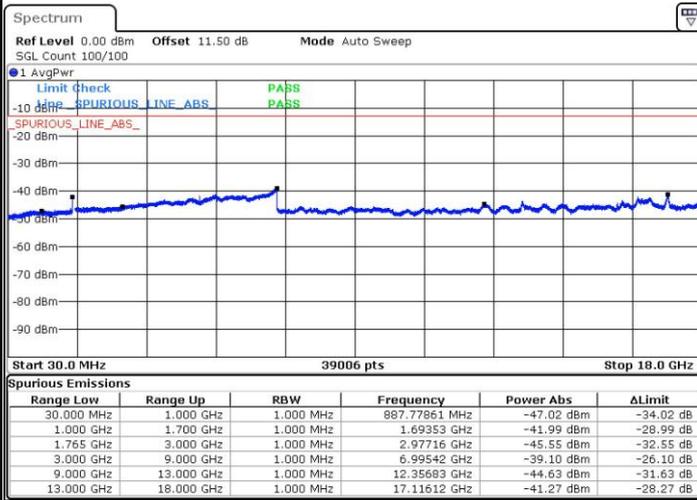
Highest Channel / 16QAM



Date: 3.AUG.2016 12:06:21

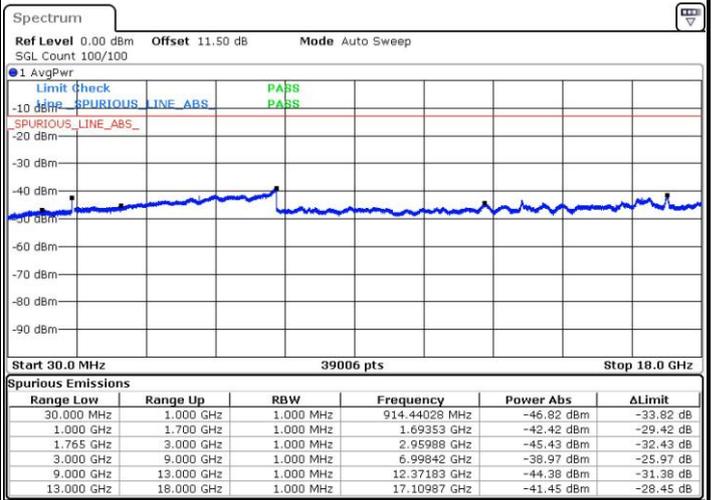
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 3.AUG.2016 13:41:44

Lowest Channel / 16QAM



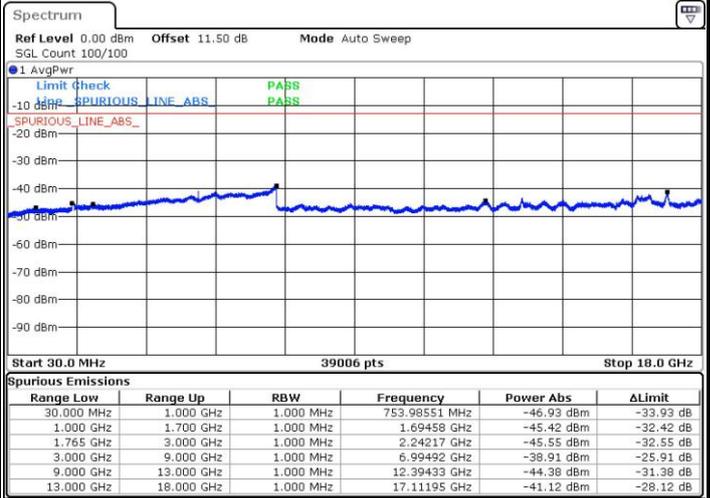
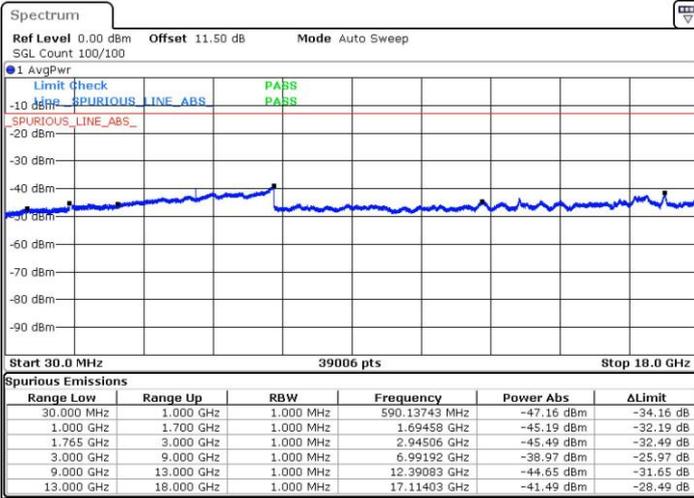
Date: 3.AUG.2016 13:42:42



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

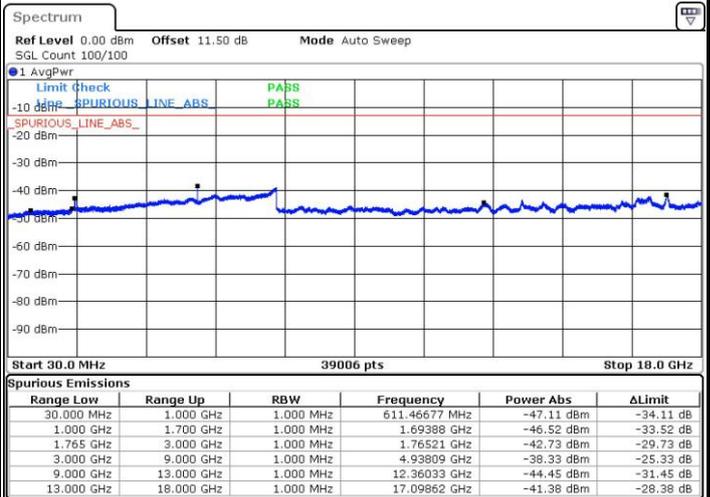
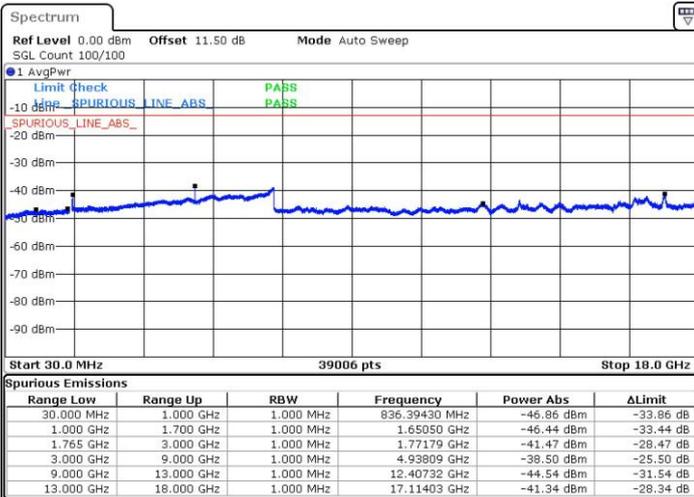


Date: 3.AUG.2016 13:44:28

Date: 3.AUG.2016 13:45:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3.AUG.2016 13:52:08

Date: 3.AUG.2016 13:53:06



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0141	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0125	
-30	Normal Voltage	0.0130	
20	Maximum Voltage	0.0130	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 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	4.81	5.25	5.65	6.14	PASS
Middle CH	4.43	5.51	5.54	6.26	
Highest CH	4.72	5.36	5.62	6.29	



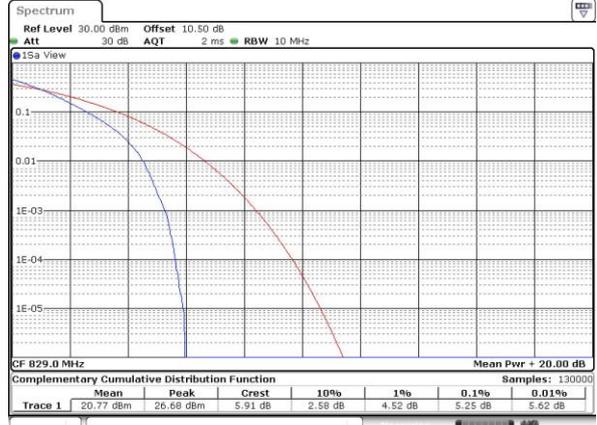
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



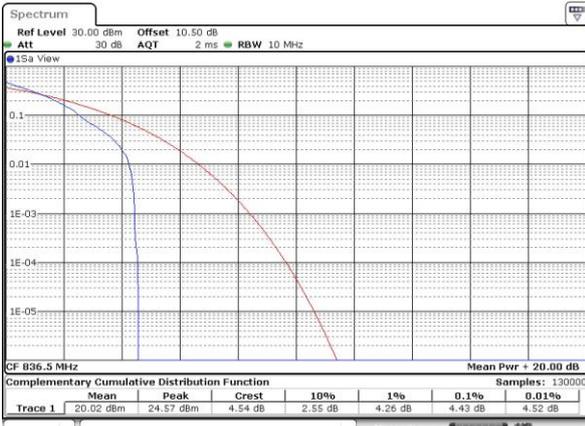
Date: 26_JUL_2016 22:46:49

Lowest Channel / Full RB



Date: 26_JUL_2016 22:47:01

Middle Channel / 1RB



Date: 26_JUL_2016 22:47:13

Middle Channel / Full RB



Date: 26_JUL_2016 22:47:23

Highest Channel / 1RB



Date: 26_JUL_2016 22:47:38

Highest Channel / Full RB

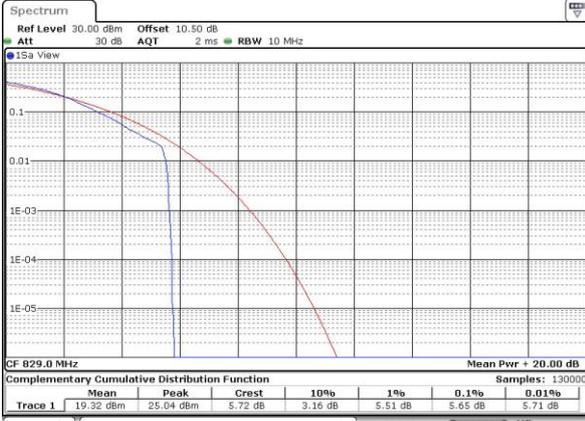


Date: 26_JUL_2016 22:47:49



LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



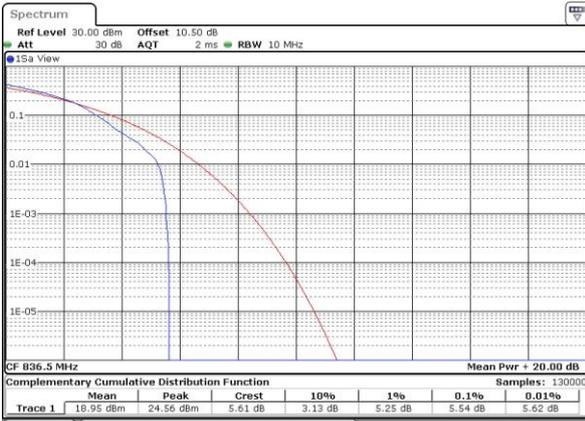
Date: 26_JUL_2016 22:44:56

Lowest Channel / Full RB



Date: 26_JUL_2016 22:45:11

Middle Channel / 1RB



Date: 26_JUL_2016 22:45:25

Middle Channel / Full RB



Date: 26_JUL_2016 22:46:04

Highest Channel / 1RB



Date: 26_JUL_2016 22:46:26

Highest Channel / Full RB



Date: 26_JUL_2016 22:46:38



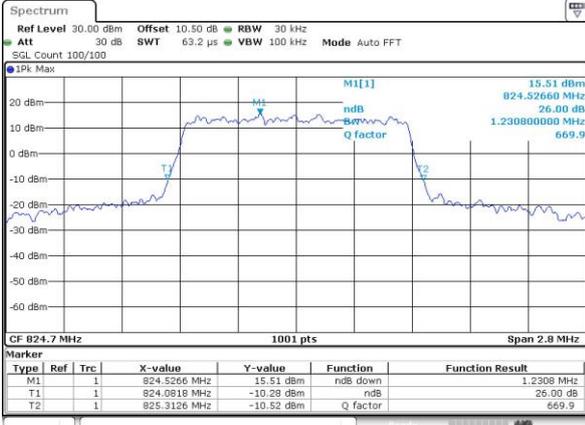
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.231	1.228	3.027	3.045	4.915	4.895	9.77	9.71	-	-	-	-
Middle CH	1.245	1.234	2.985	3.027	4.925	4.875	9.79	9.67	-	-	-	-
Highest CH	1.234	1.225	3.015	3.003	4.885	4.965	9.77	9.91	-	-	-	-



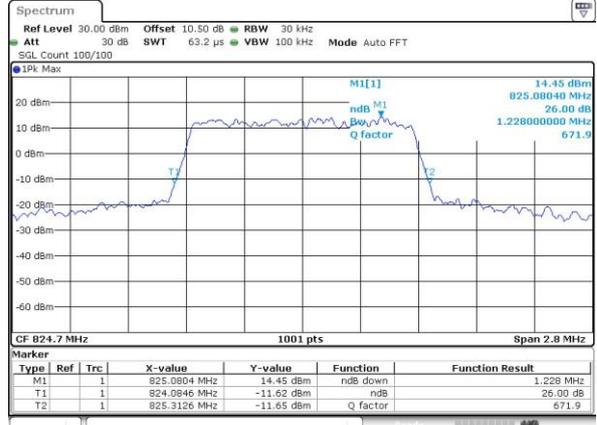
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



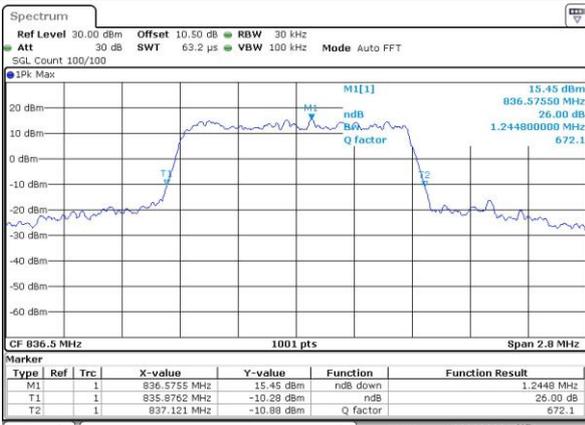
Date: 26_JUL_2016 22:08:59

Lowest Channel / 1.4MHz / 16QAM



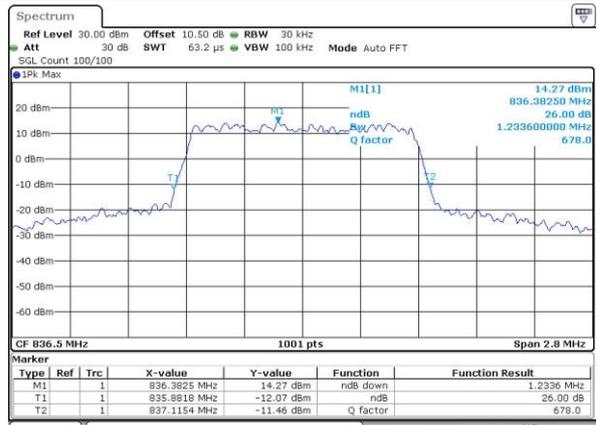
Date: 26_JUL_2016 22:10:48

Middle Channel / 1.4MHz / QPSK



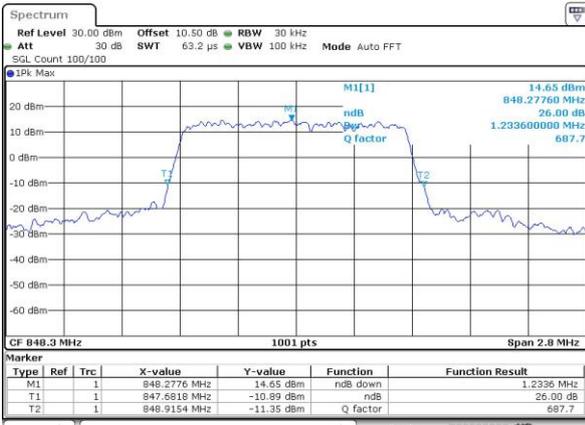
Date: 26_JUL_2016 22:12:08

Middle Channel / 1.4MHz / 16QAM



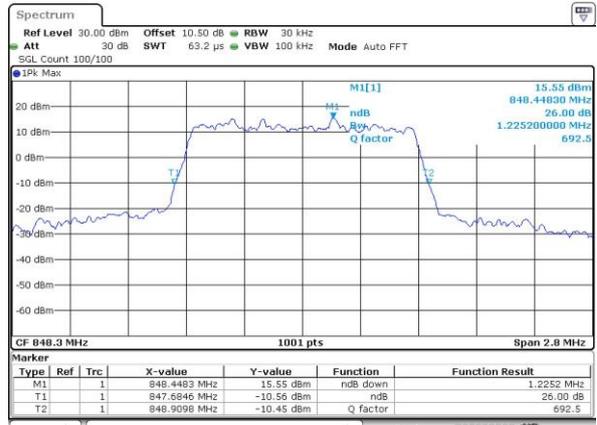
Date: 26_JUL_2016 22:12:119

Highest Channel / 1.4MHz / QPSK



Date: 26_JUL_2016 22:12:49

Highest Channel / 1.4MHz / 16QAM

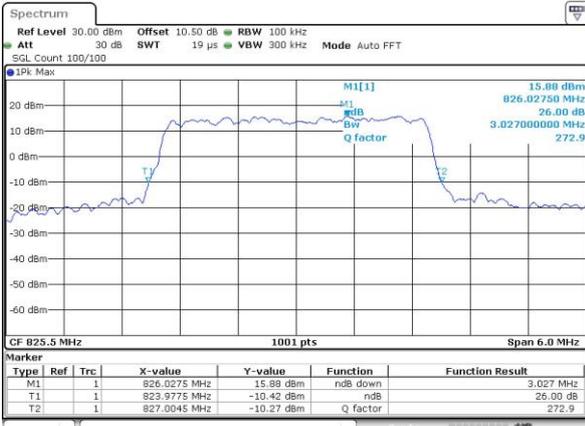


Date: 26_JUL_2016 22:12:701



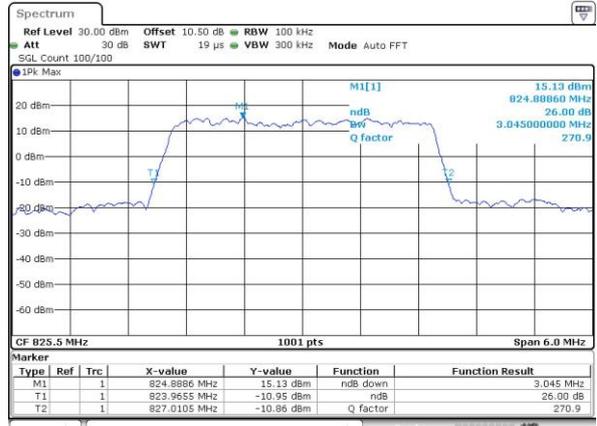
LTE Band 5

Lowest Channel / 3MHz / QPSK



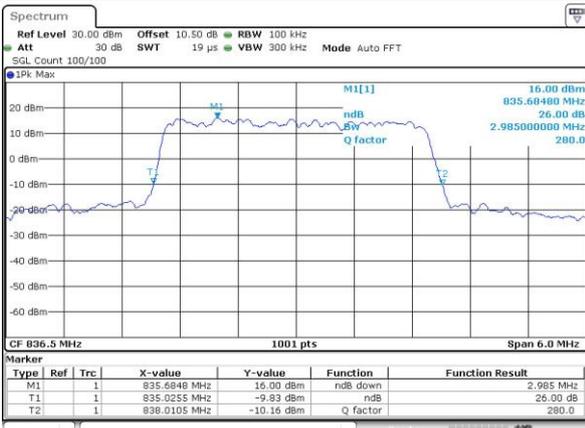
Date: 26.JUL.2016 20:24:56

Lowest Channel / 3MHz / 16QAM



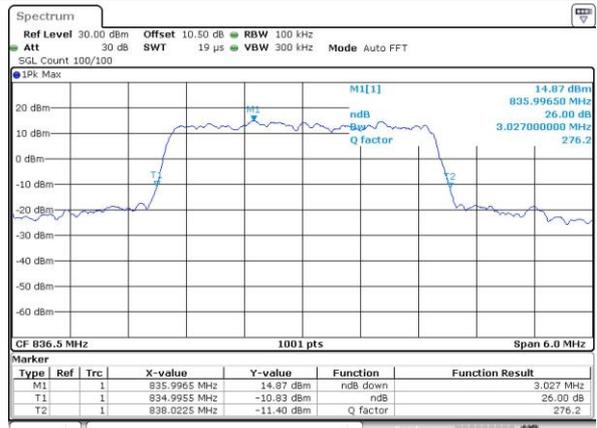
Date: 26.JUL.2016 20:25:08

Middle Channel / 3MHz / QPSK



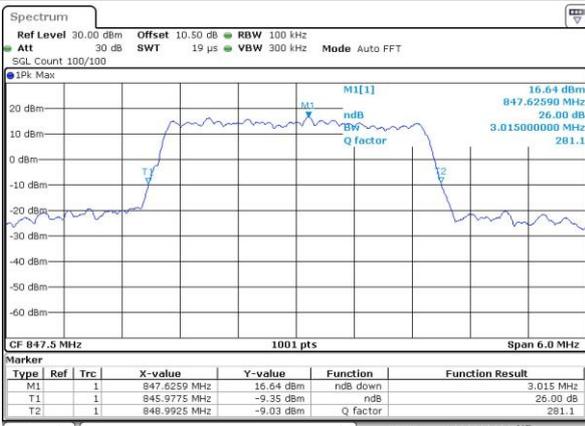
Date: 26.JUL.2016 20:40:16

Middle Channel / 3MHz / 16QAM



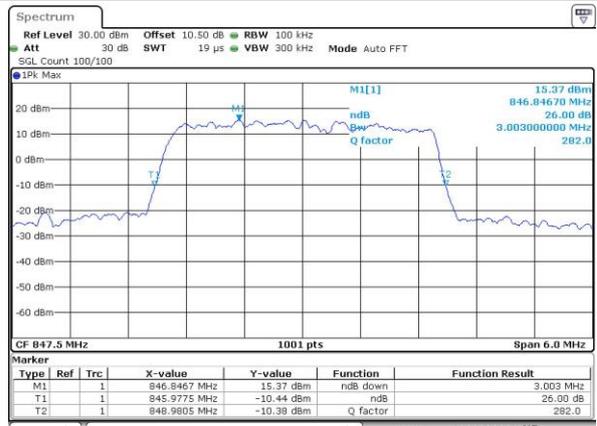
Date: 26.JUL.2016 20:40:28

Highest Channel / 3MHz / QPSK



Date: 26.JUL.2016 20:42:58

Highest Channel / 3MHz / 16QAM

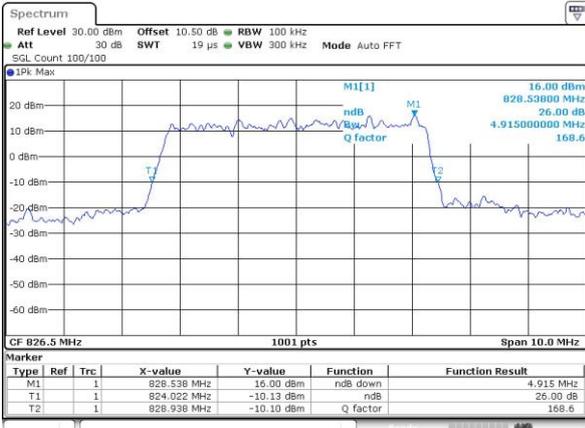


Date: 26.JUL.2016 20:43:10



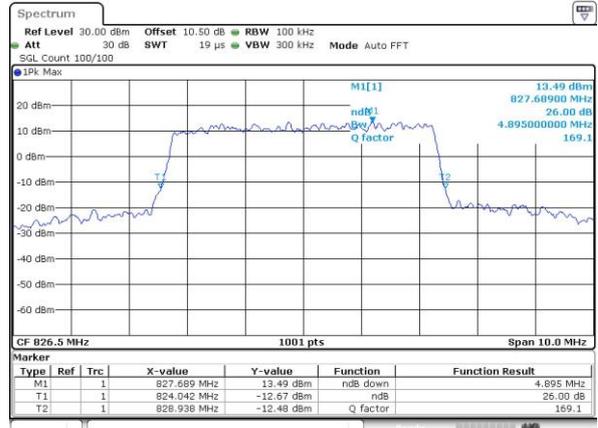
LTE Band 5

Lowest Channel / 5MHz / QPSK



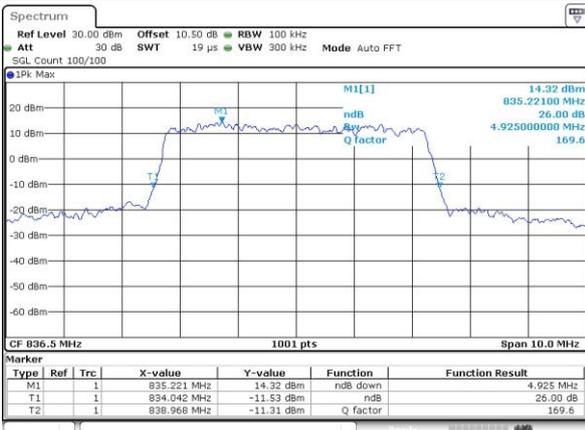
Date: 26.JUL.2016 20:58:18

Lowest Channel / 5MHz / 16QAM



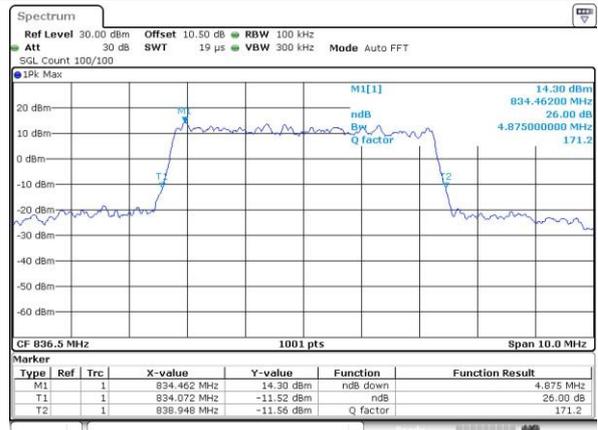
Date: 26.JUL.2016 20:58:30

Middle Channel / 5MHz / QPSK



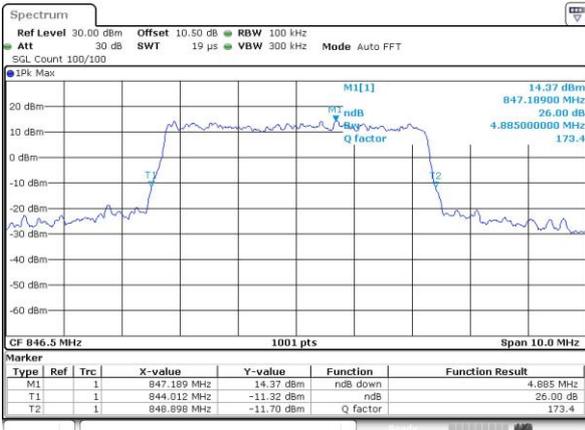
Date: 26.JUL.2016 21:13:08

Middle Channel / 5MHz / 16QAM



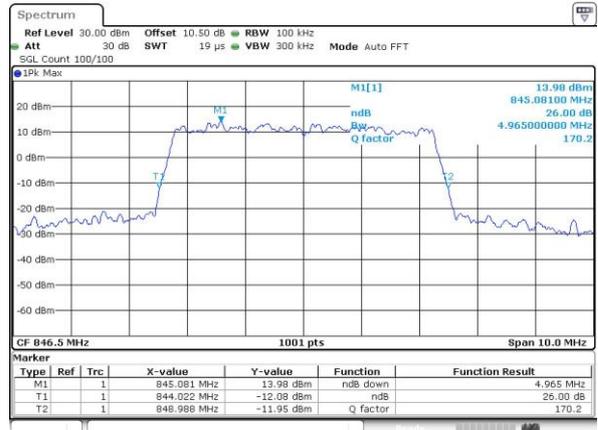
Date: 26.JUL.2016 21:13:49

Highest Channel / 5MHz / QPSK



Date: 26.JUL.2016 21:16:20

Highest Channel / 5MHz / 16QAM

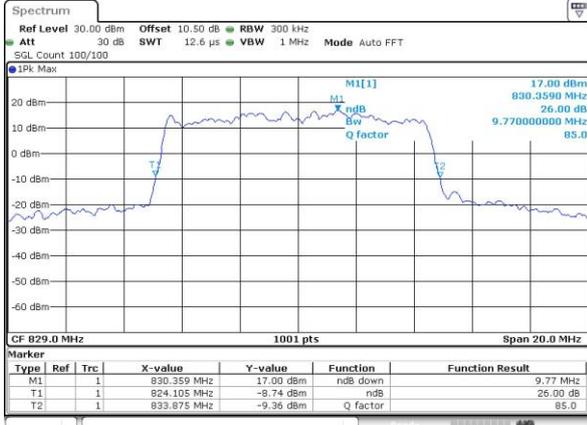


Date: 26.JUL.2016 21:16:31



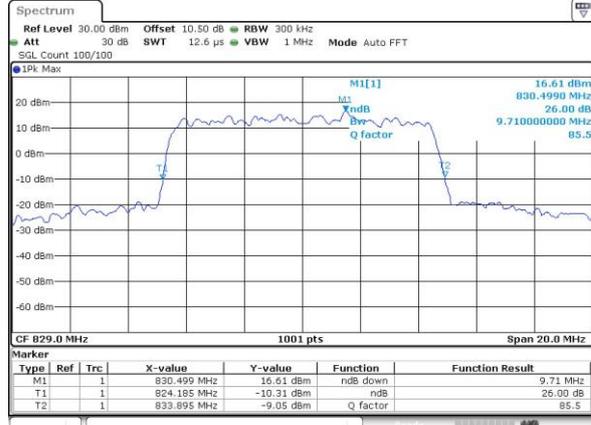
LTE Band 5

Lowest Channel / 10MHz / QPSK



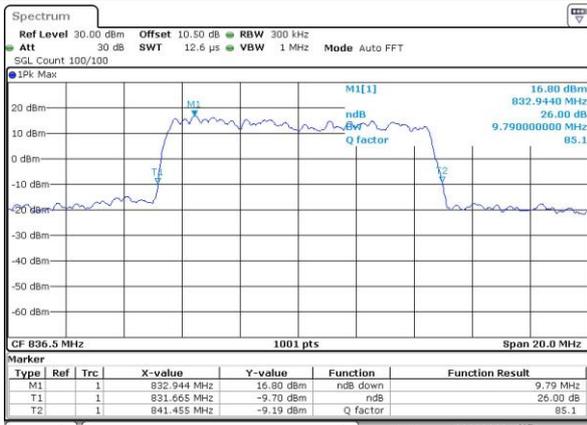
Date: 26.JUL.2016 21:32:25

Lowest Channel / 10MHz / 16QAM



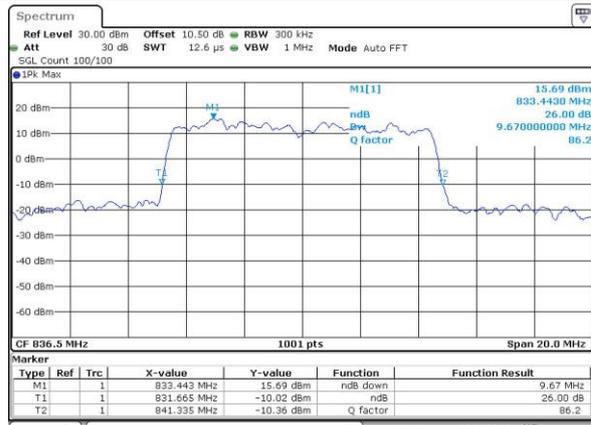
Date: 26.JUL.2016 21:32:36

Middle Channel / 10MHz / QPSK



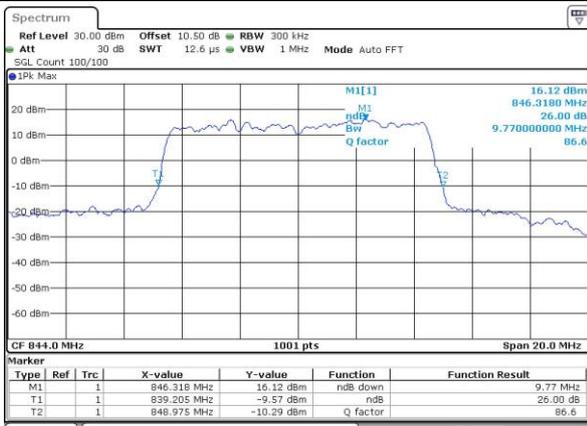
Date: 26.JUL.2016 21:47:44

Middle Channel / 10MHz / 16QAM



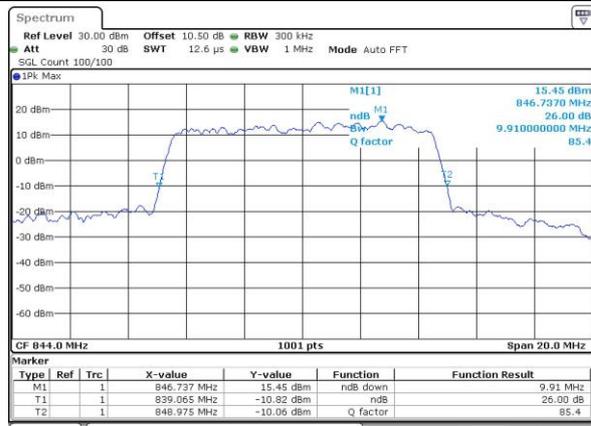
Date: 26.JUL.2016 21:47:56

Highest Channel / 10MHz / QPSK



Date: 26.JUL.2016 21:50:26

Highest Channel / 10MHz / 16QAM



Date: 26.JUL.2016 21:50:38



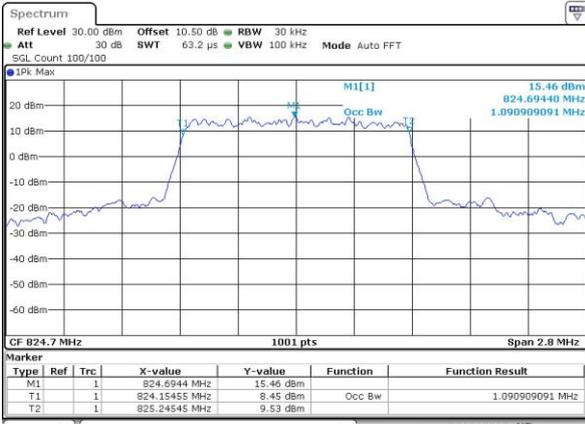
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.72	4.48	4.49	8.99	8.99	-	-	-	-
Middle CH	1.09	1.09	2.73	2.73	4.5	4.49	9.09	9.03	-	-	-	-
Highest CH	1.09	1.09	2.71	2.73	4.47	4.46	8.99	8.99	-	-	-	-



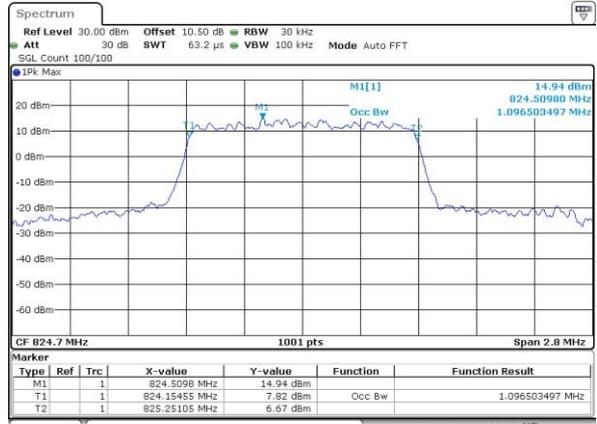
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



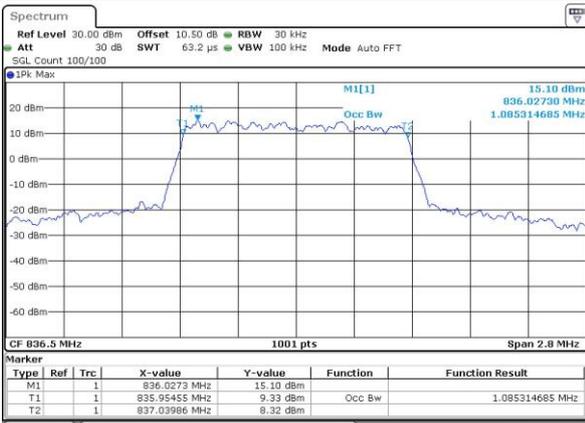
Date: 26_JUL_2016 22:08:24

Lowest Channel / 1.4MHz / 16QAM



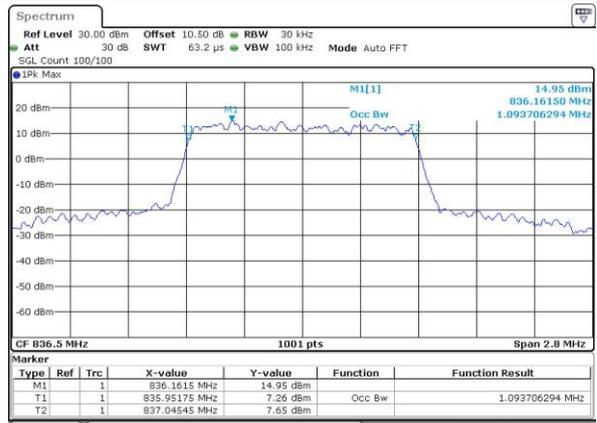
Date: 26_JUL_2016 22:10:136

Middle Channel / 1.4MHz / QPSK



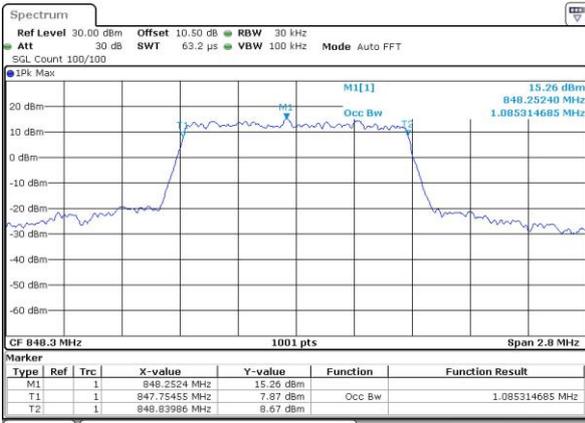
Date: 26_JUL_2016 22:12:44

Middle Channel / 1.4MHz / 16QAM



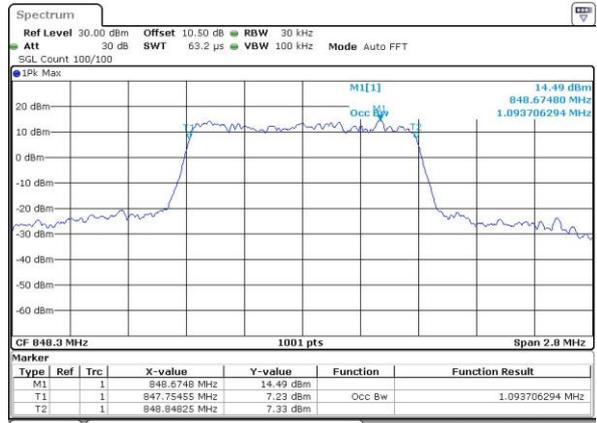
Date: 26_JUL_2016 22:12:156

Highest Channel / 1.4MHz / QPSK



Date: 26_JUL_2016 22:12:6126

Highest Channel / 1.4MHz / 16QAM

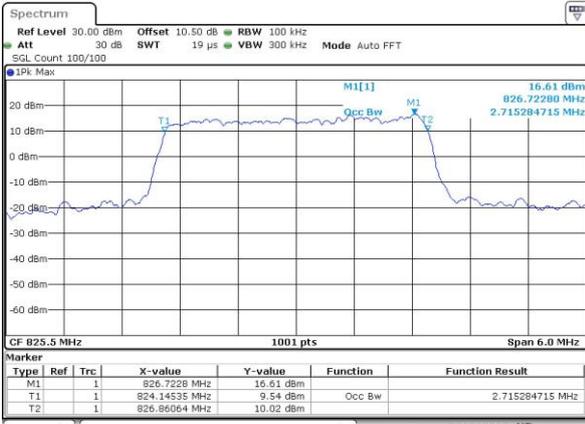


Date: 26_JUL_2016 22:12:6137

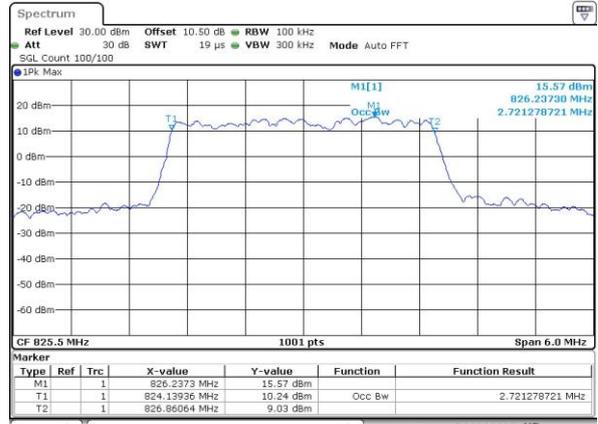


LTE Band 5

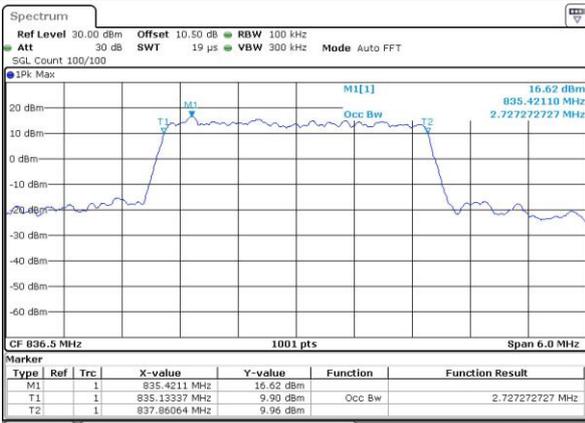
Lowest Channel / 3MHz / QPSK



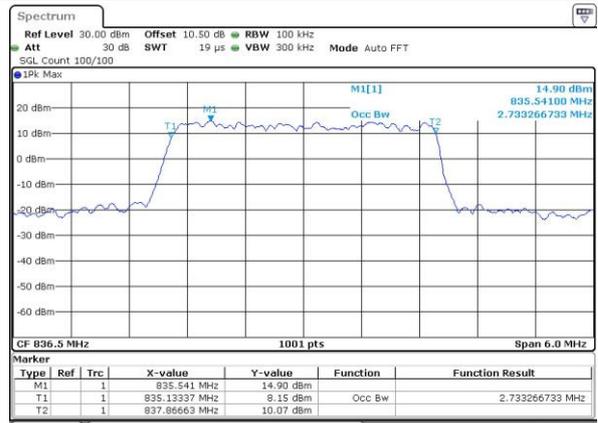
Lowest Channel / 3MHz / 16QAM



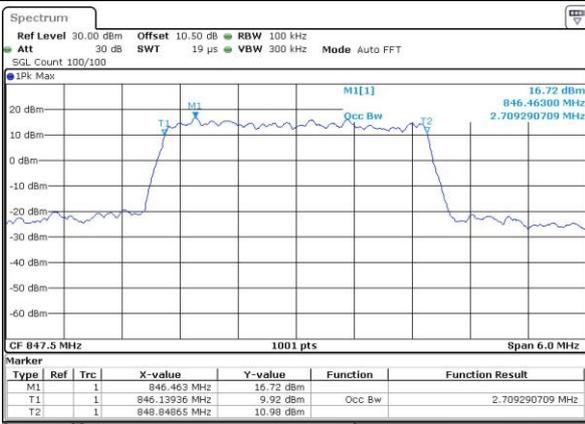
Middle Channel / 3MHz / QPSK



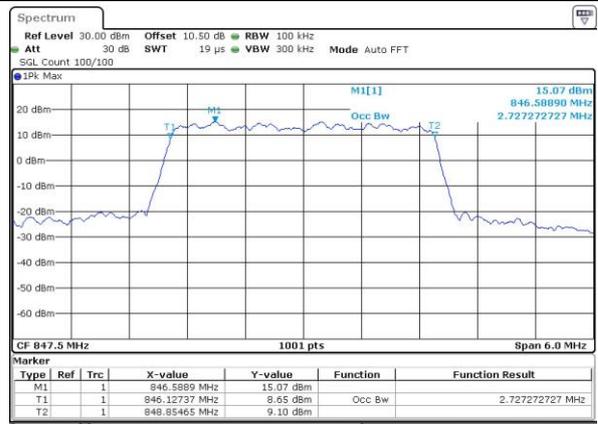
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



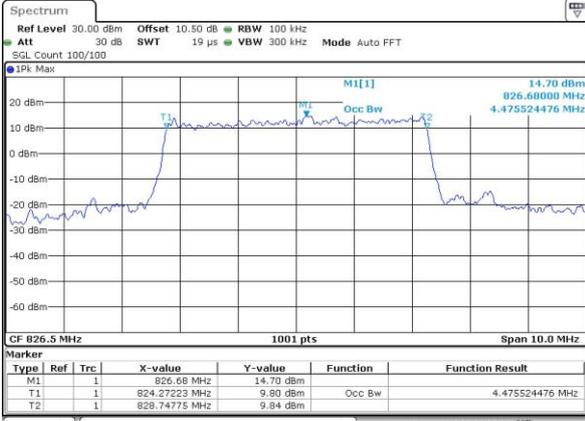
Highest Channel / 3MHz / 16QAM





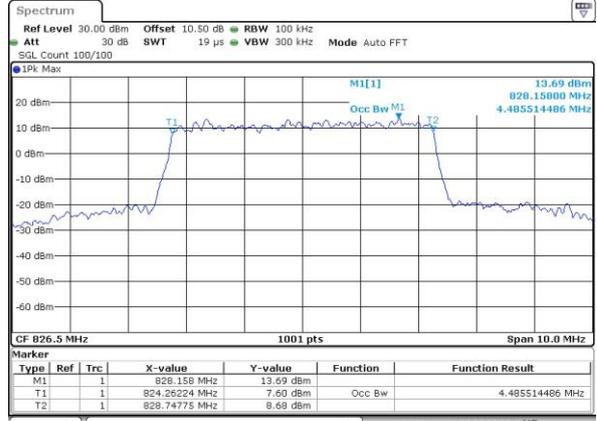
LTE Band 5

Lowest Channel / 5MHz / QPSK



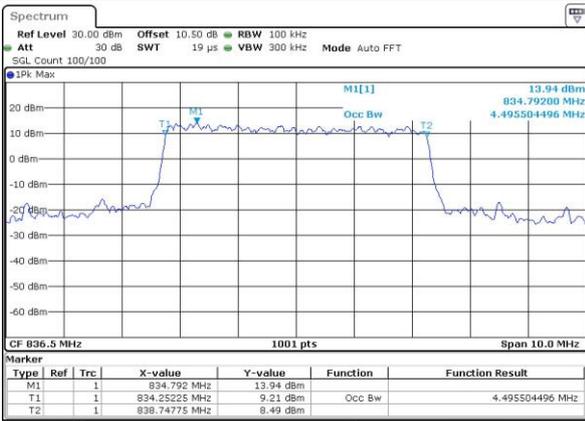
Date: 26_JUL_2016 20:57:54

Lowest Channel / 5MHz / 16QAM



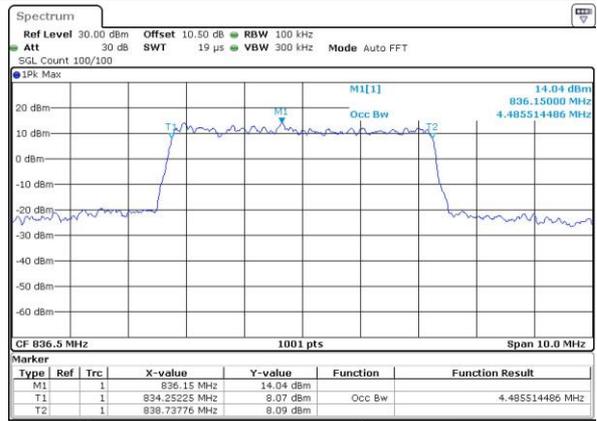
Date: 26_JUL_2016 20:58:06

Middle Channel / 5MHz / QPSK



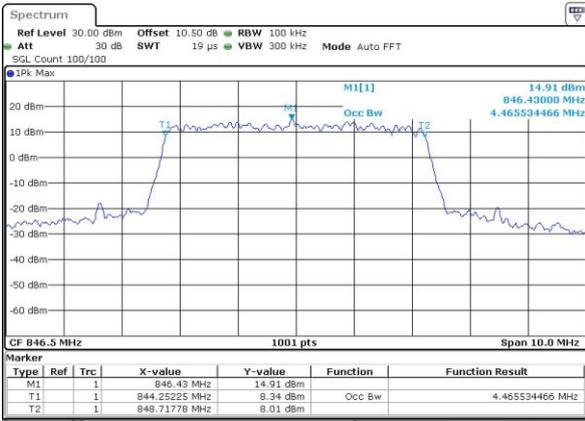
Date: 26_JUL_2016 21:13:14

Middle Channel / 5MHz / 16QAM



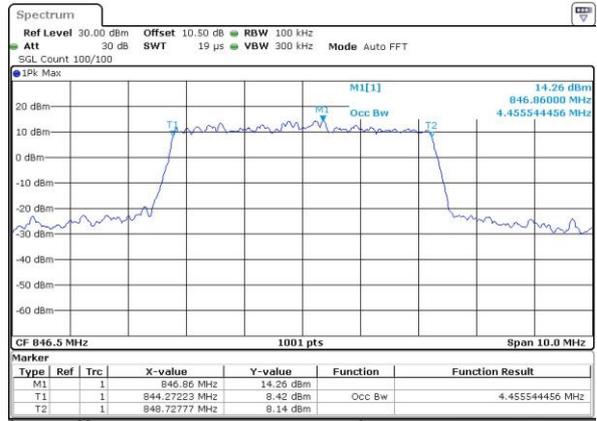
Date: 26_JUL_2016 21:13:26

Highest Channel / 5MHz / QPSK



Date: 26_JUL_2016 21:15:56

Highest Channel / 5MHz / 16QAM

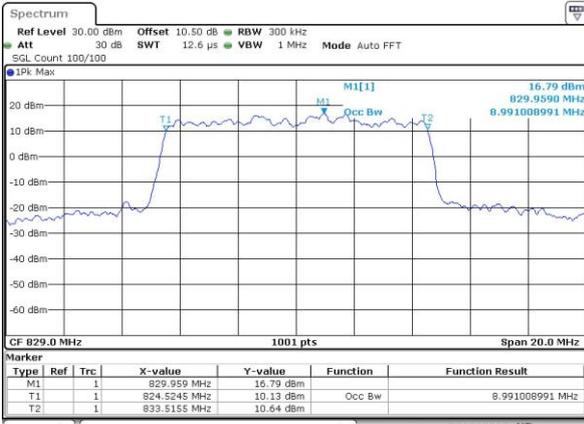


Date: 26_JUL_2016 21:16:08



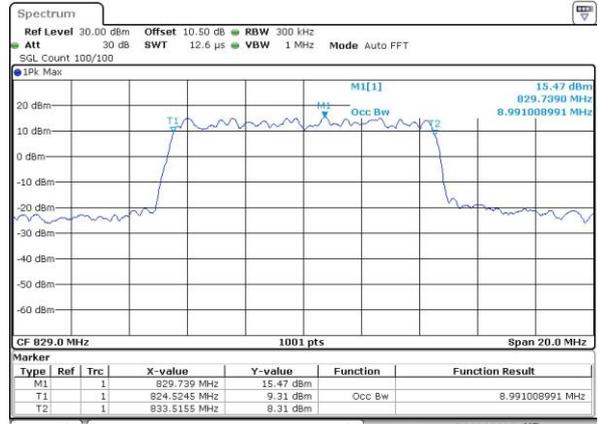
LTE Band 5

Lowest Channel / 10MHz / QPSK



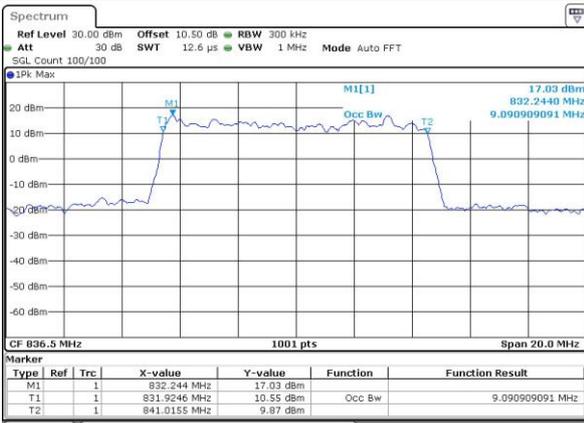
Date: 26_JUL_2016 21:32:01

Lowest Channel / 10MHz / 16QAM



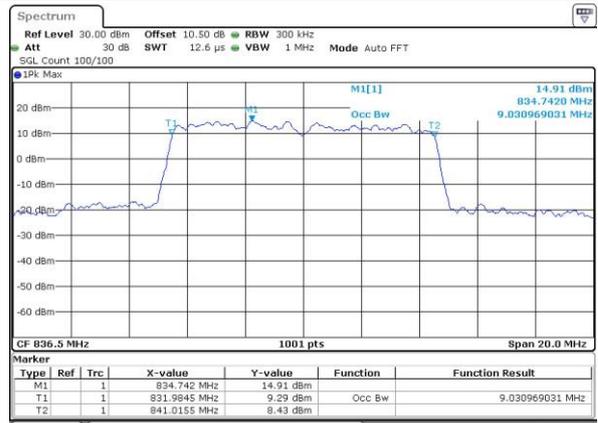
Date: 26_JUL_2016 21:32:13

Middle Channel / 10MHz / QPSK



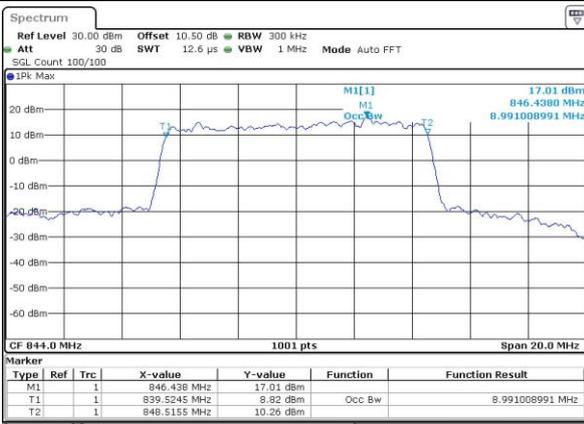
Date: 26_JUL_2016 21:47:21

Middle Channel / 10MHz / 16QAM



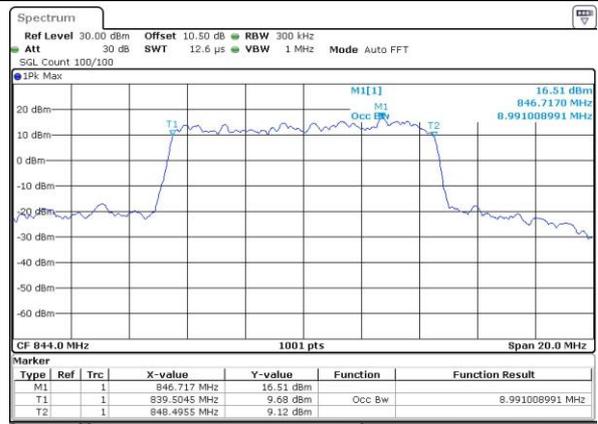
Date: 26_JUL_2016 21:47:33

Highest Channel / 10MHz / QPSK



Date: 26_JUL_2016 21:50:03

Highest Channel / 10MHz / 16QAM



Date: 26_JUL_2016 21:50:15

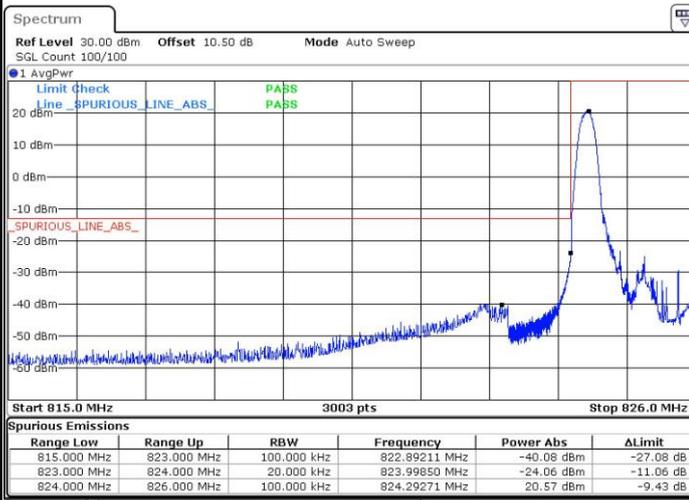


Conducted Band Edge



LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



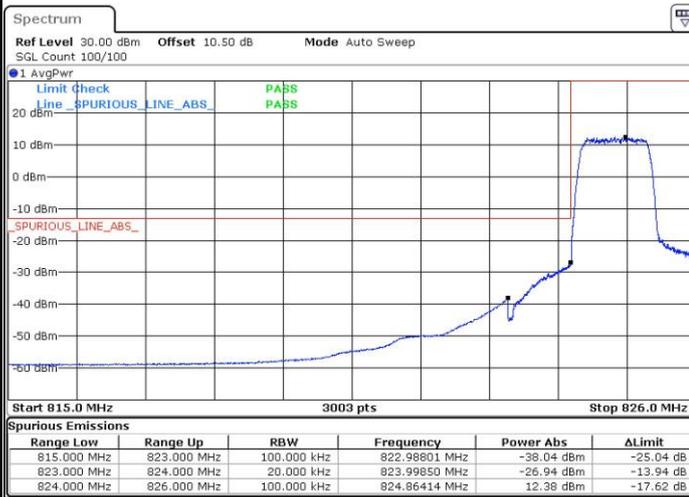
Date: 26.JUL.2016 22:12:09

Highest Band Edge / 1RB



Date: 26.JUL.2016 22:36:29

Lowest Band Edge / Full RB



Date: 26.JUL.2016 22:18:28

Highest Band Edge / Full RB

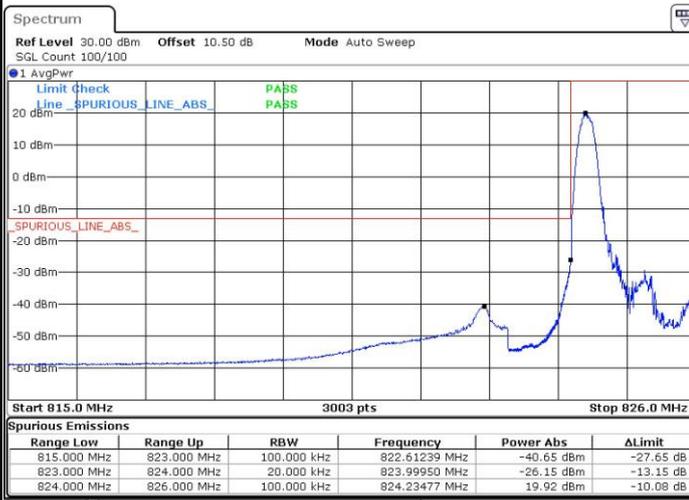


Date: 26.JUL.2016 22:30:10



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



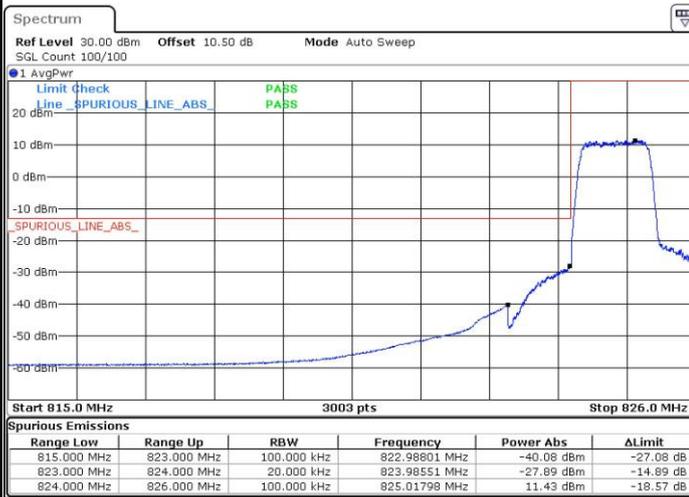
Date: 26.JUL.2016 22:15:18

Highest Band Edge / 1 RB



Date: 26.JUL.2016 22:39:39

Lowest Band Edge / Full RB



Date: 26.JUL.2016 22:21:37

Highest Band Edge / Full RB

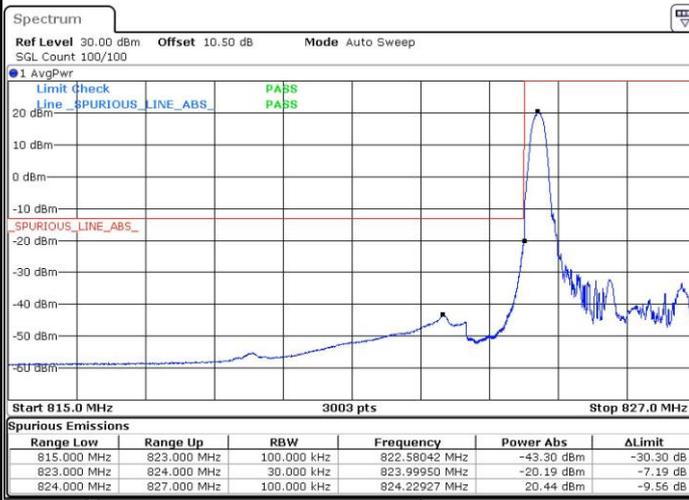


Date: 26.JUL.2016 22:33:20



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 26.JUL.2016 20:28:17

Highest Band Edge / 1 RB



Date: 26.JUL.2016 20:46:19

Lowest Band Edge / Full RB



Date: 26.JUL.2016 20:34:36

Highest Band Edge / Full RB

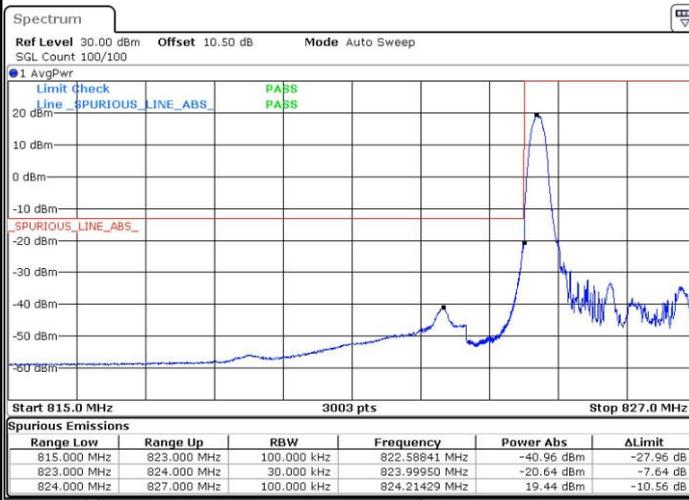


Date: 26.JUL.2016 20:52:38

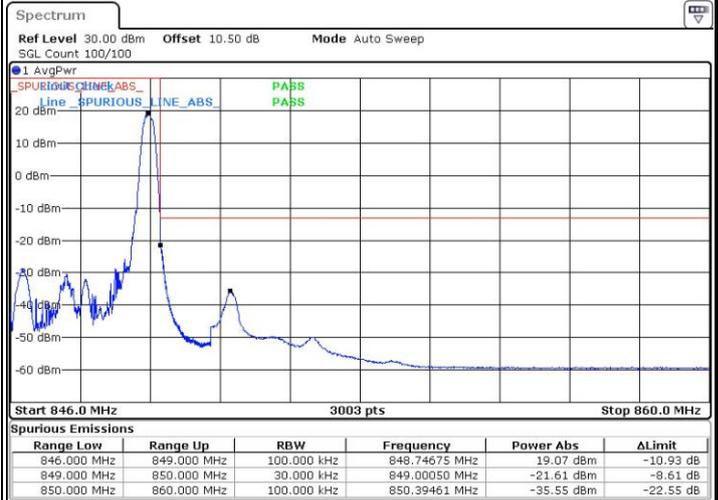


LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

