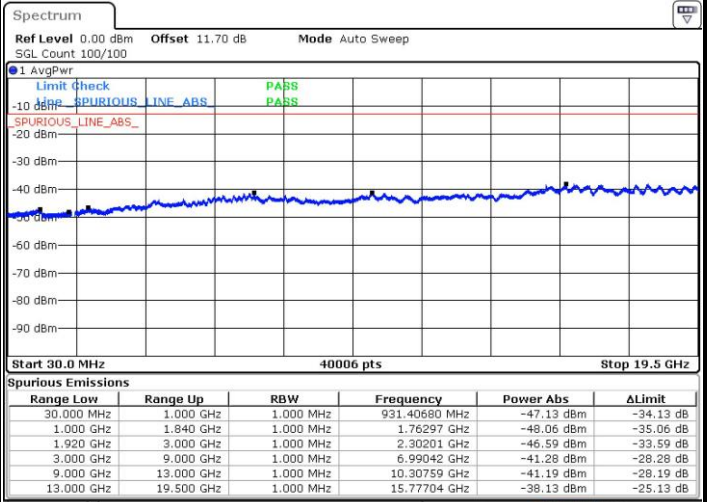
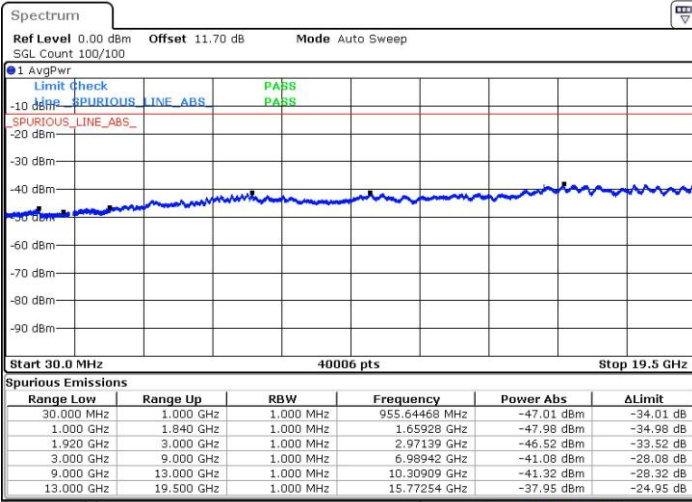




LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

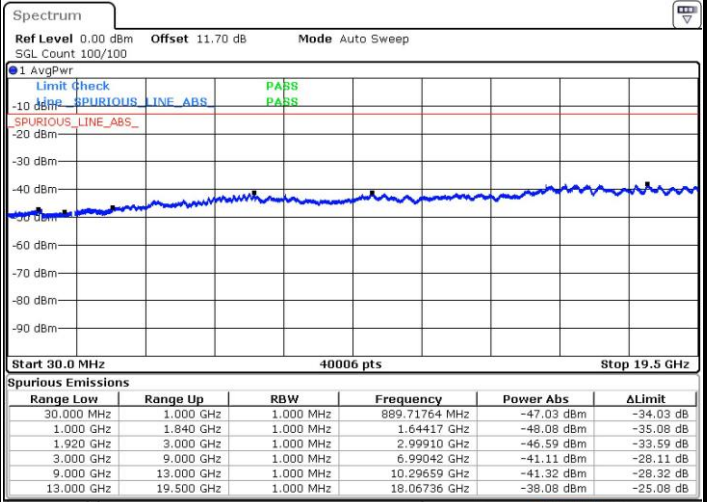
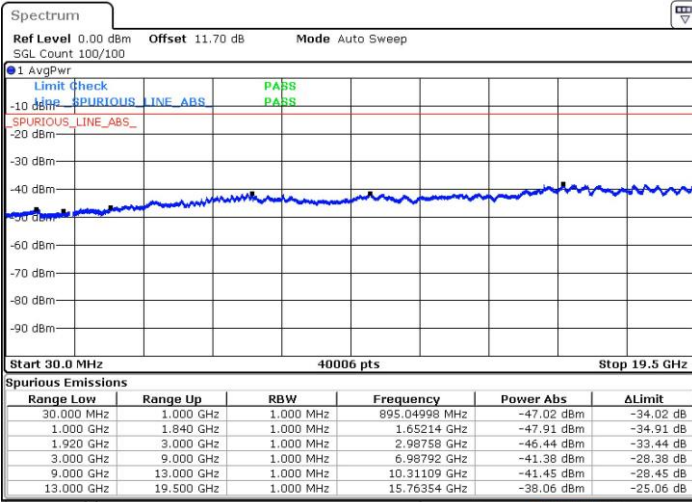


Date: 19 JUN 2017 16:15:24

Date: 19 JUN 2017 16:16:19

Highest Channel / QPSK

Highest Channel / 16QAM

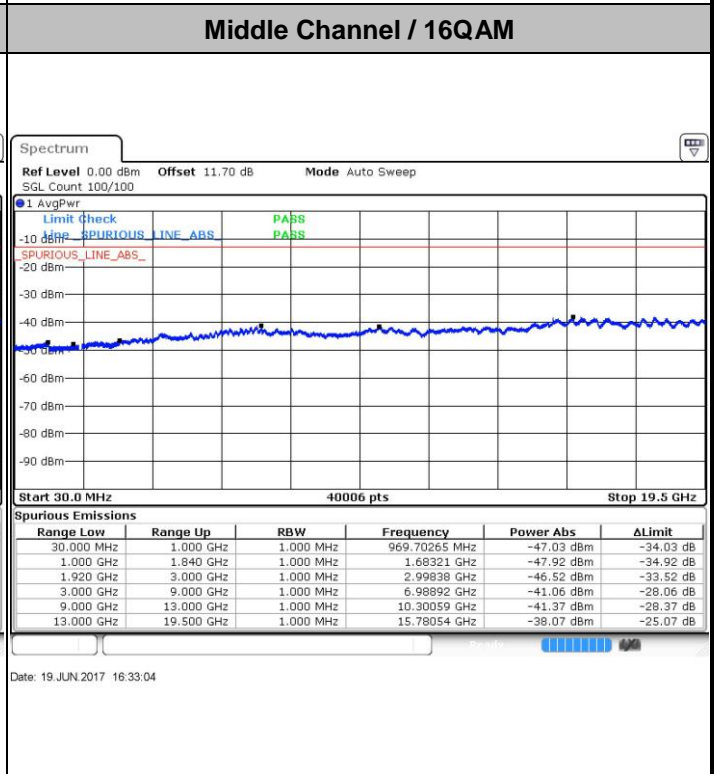
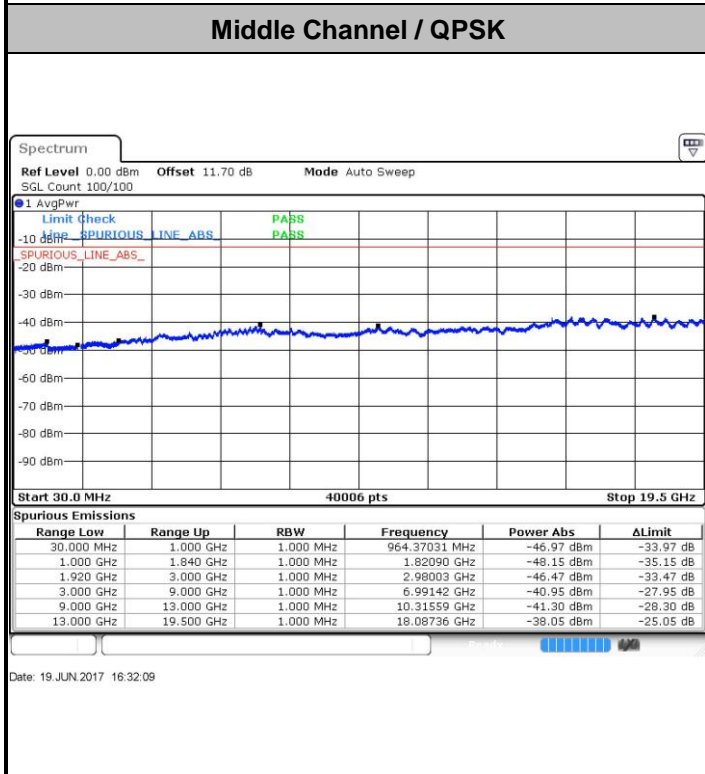
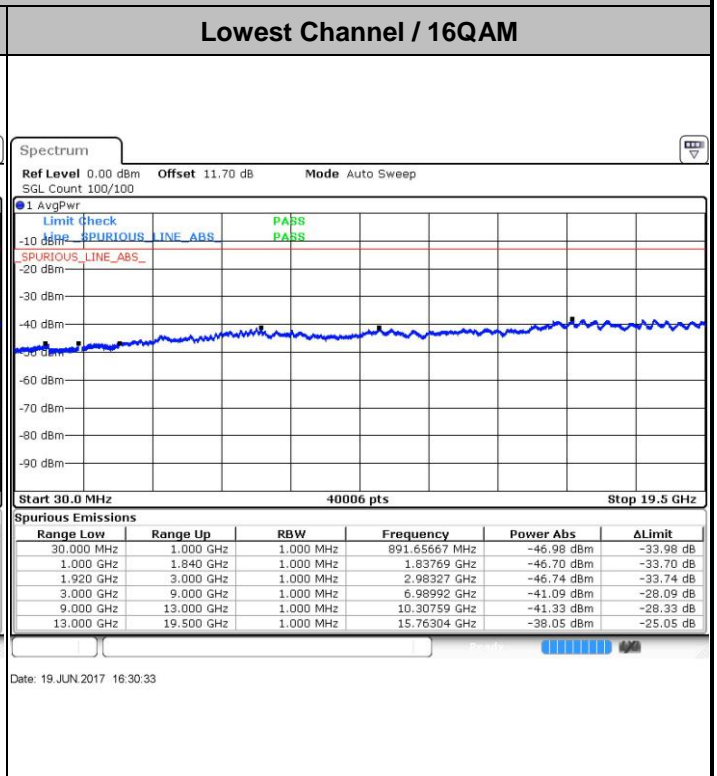
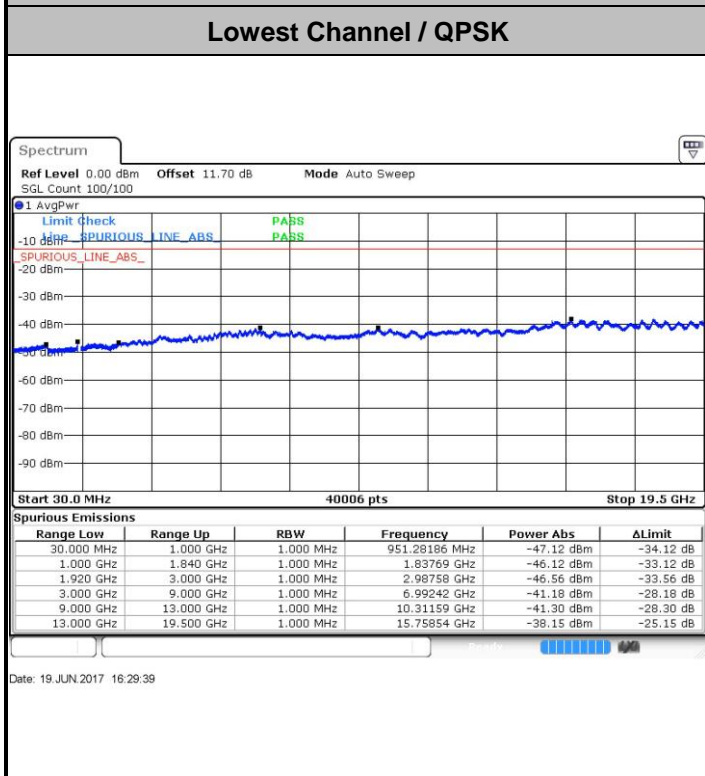


Date: 19 JUN 2017 16:22:31

Date: 19 JUN 2017 16:23:26



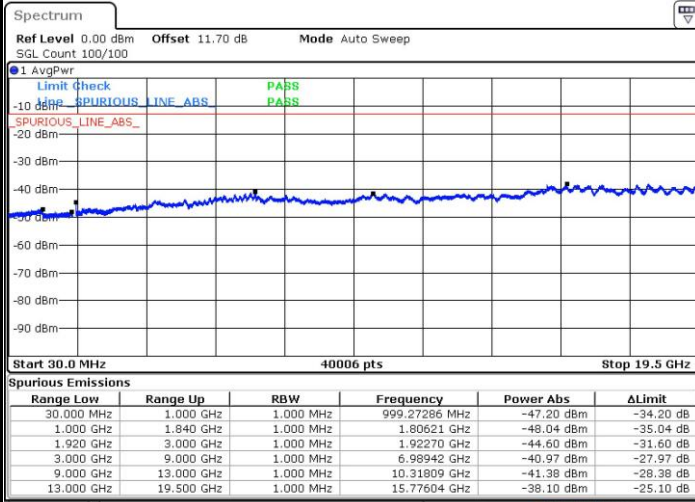
LTE Band 2 / 15MHz





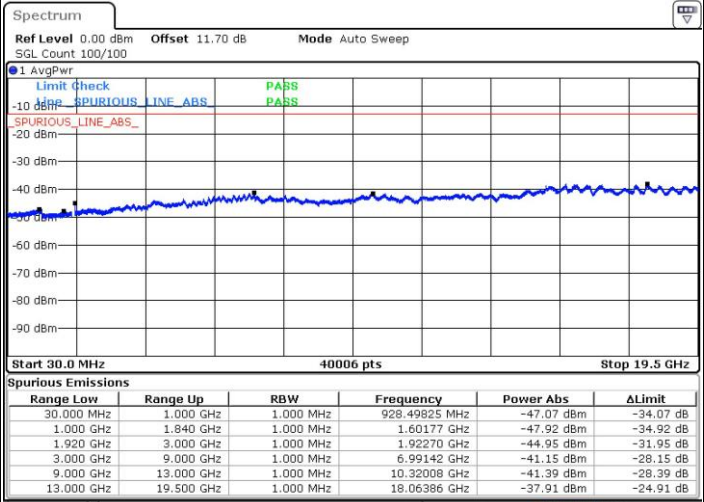
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 19 JUN 2017 16:39:16

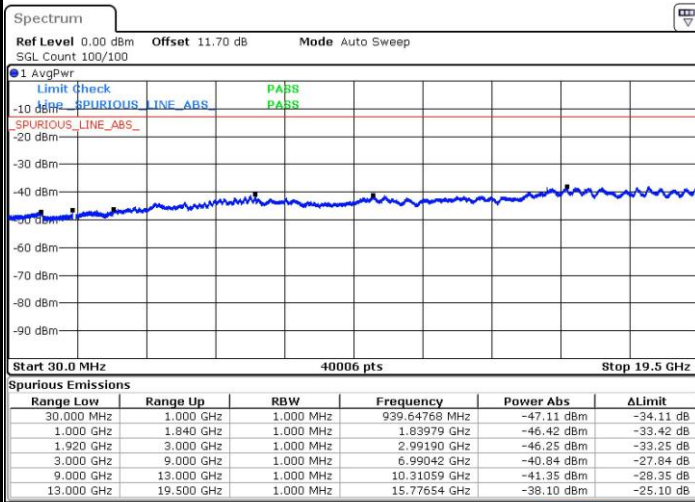
Highest Channel / 16QAM



Date: 19 JUN 2017 16:40:11

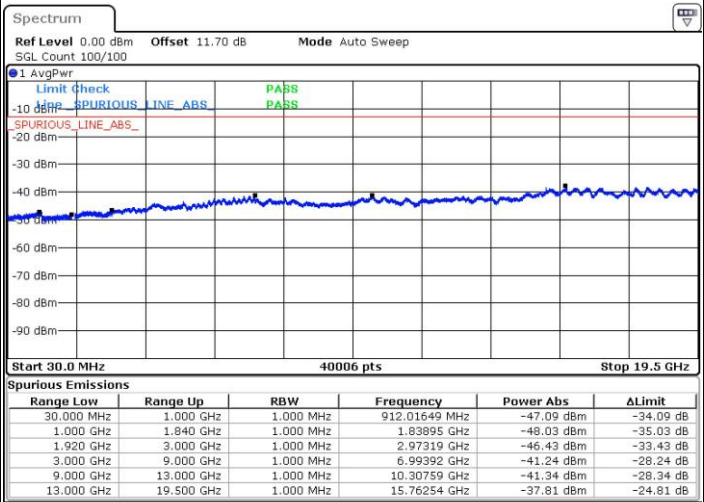
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 19 JUN 2017 16:46:23

Lowest Channel / 16QAM



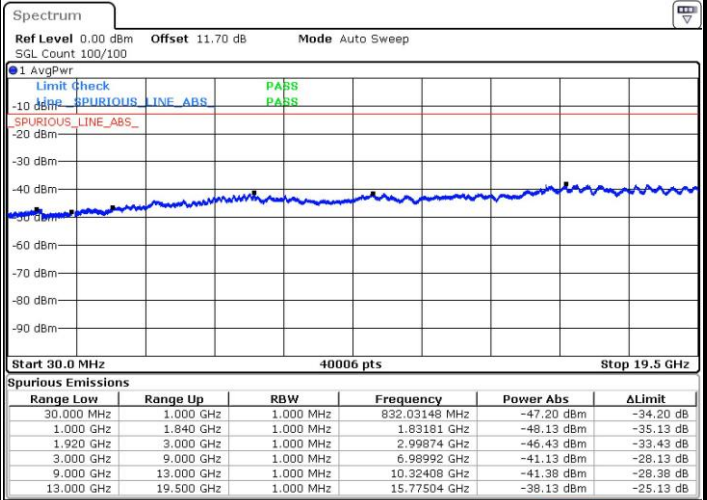
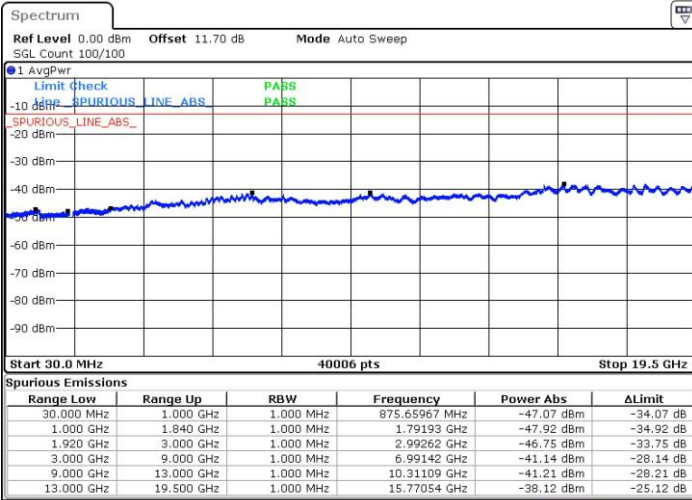
Date: 19 JUN 2017 16:47:17



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

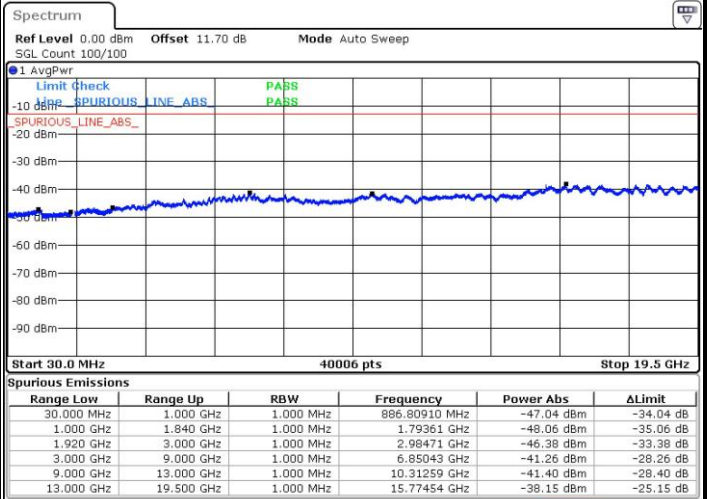
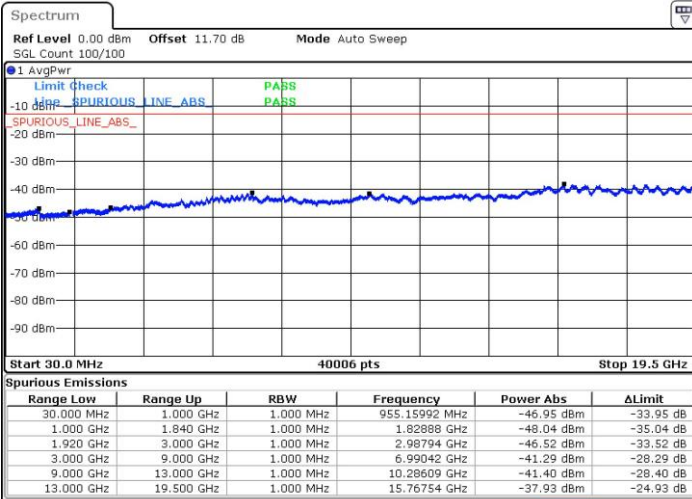


Date: 19 JUN 2017 16:48:53

Date: 19 JUN 2017 16:49:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JUN 2017 16:57:03

Date: 19 JUN 2017 22:54:29



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	0.0031	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0287	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

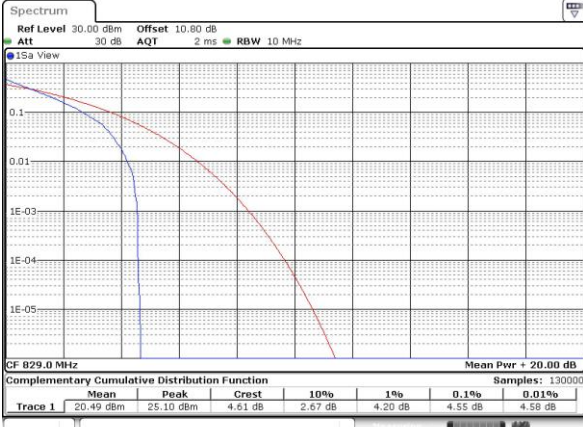
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	5.25	5.28	6.09	PASS
Middle CH	4.58	5.13	5.39	6.14	
Highest CH	4.72	5.33	5.74	6.32	



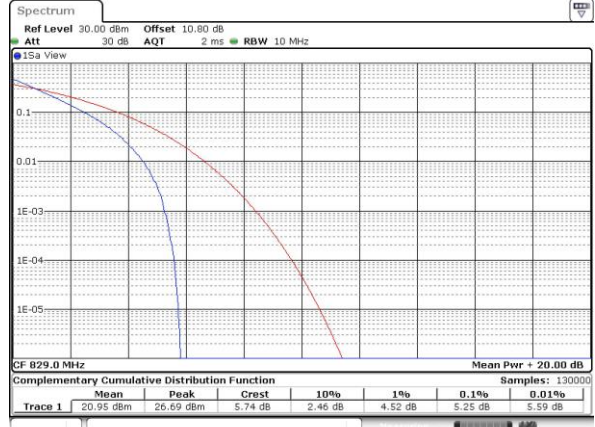
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



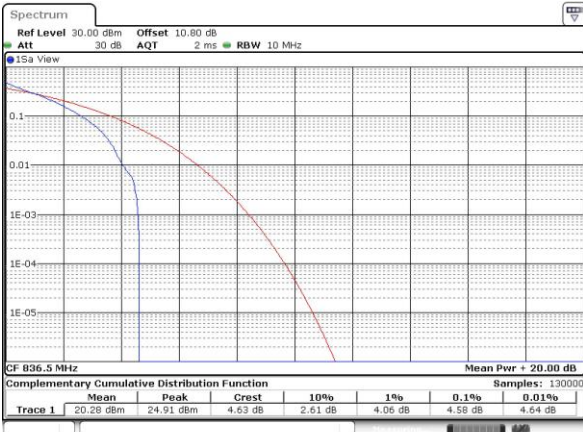
Date: 19 JUN 2017 20:45:18

Lowest Channel / Full RB



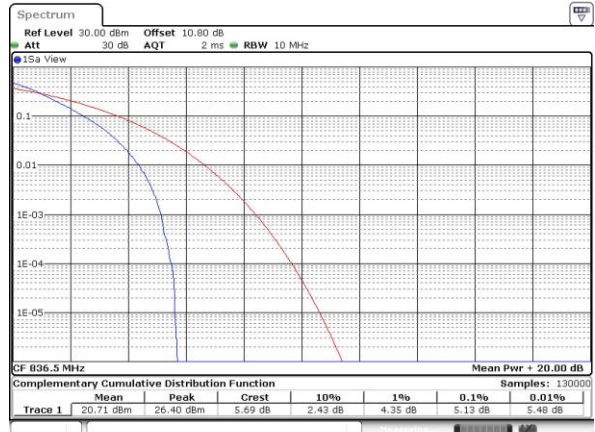
Date: 19 JUN 2017 20:45:28

Middle Channel / 1RB



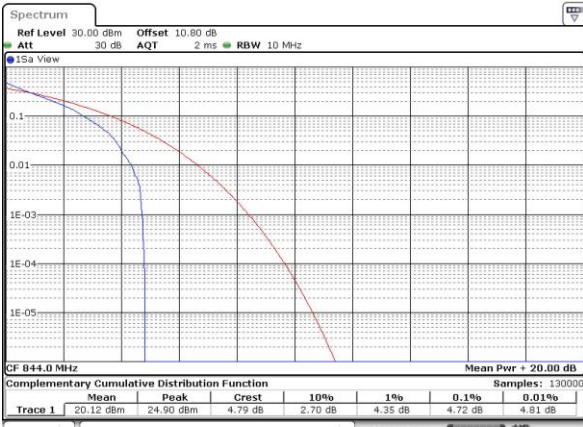
Date: 19 JUN 2017 20:45:38

Middle Channel / Full RB



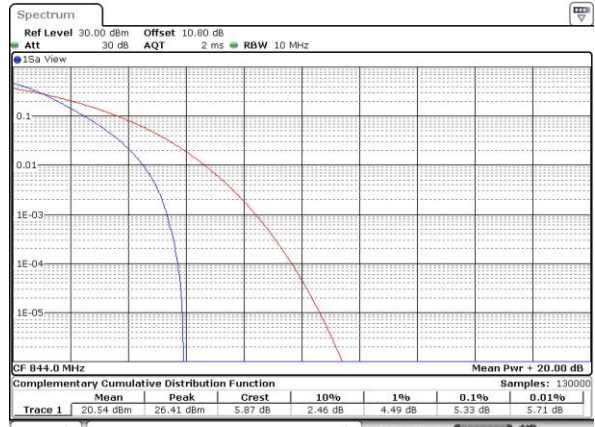
Date: 19 JUN 2017 20:45:47

Highest Channel / 1RB



Date: 19 JUN 2017 20:45:57

Highest Channel / Full RB



Date: 19 JUN 2017 20:46:07



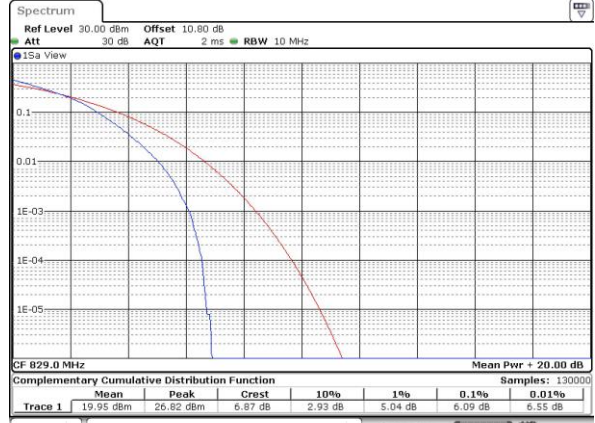
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 19 JUN 2017 20:44:15

Lowest Channel / Full RB



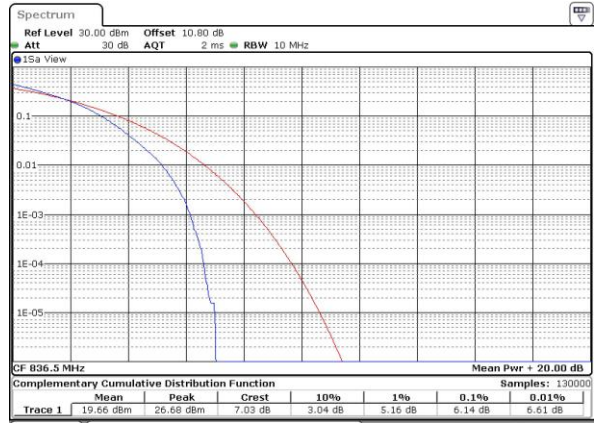
Date: 19 JUN 2017 20:44:25

Middle Channel / 1RB



Date: 19 JUN 2017 20:44:35

Middle Channel / Full RB



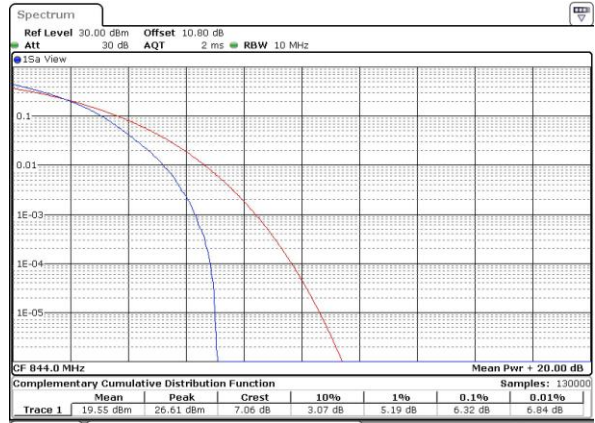
Date: 19 JUN 2017 20:44:45

Highest Channel / 1RB



Date: 19 JUN 2017 20:44:55

Highest Channel / Full RB



Date: 19 JUN 2017 20:45:05



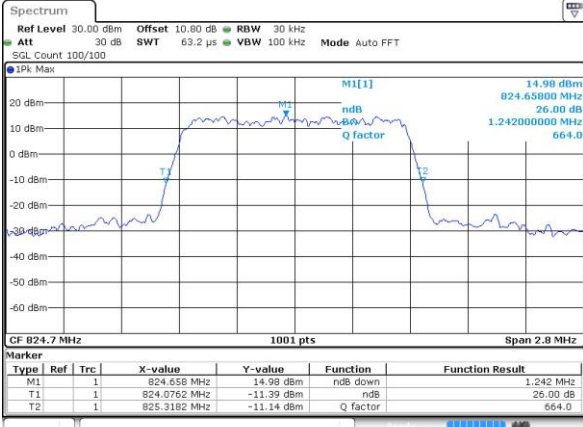
26dB Bandwidth

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
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.23	3.03	3.05	4.84	4.89	9.63	9.65	-	-	-	-
Middle CH	1.24	1.21	3.01	3.01	4.84	4.81	9.93	9.81	-	-	-	-
Highest CH	1.24	1.23	3.03	3.02	4.94	4.84	9.83	9.79	-	-	-	-



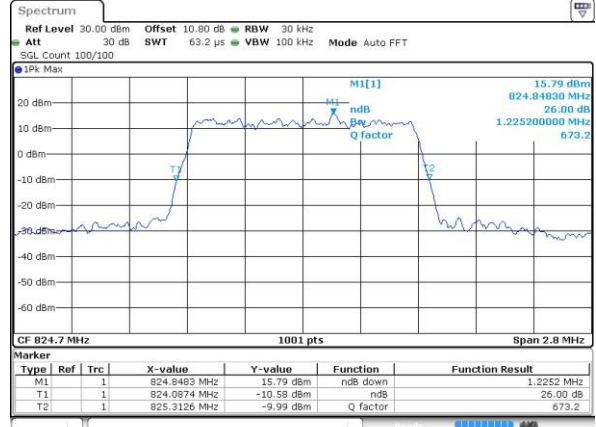
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



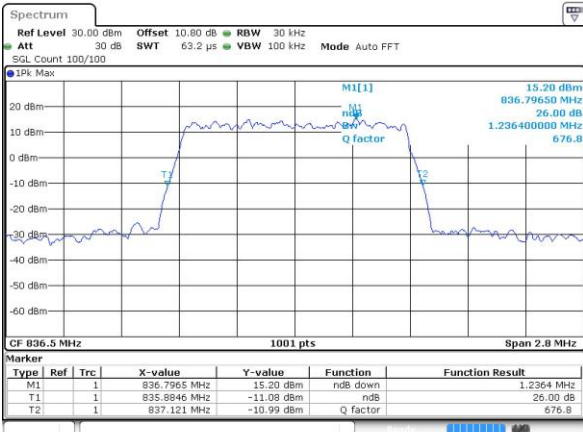
Date: 19 JUN 2017 19:20:41

Lowest Channel / 1.4MHz / 16QAM



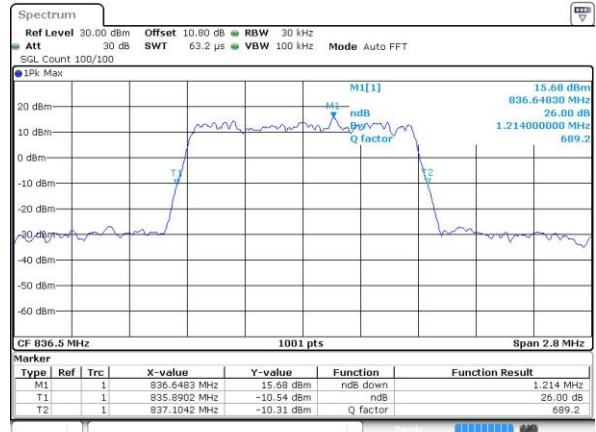
Date: 19 JUN 2017 19:20:31

Middle Channel / 1.4MHz / QPSK



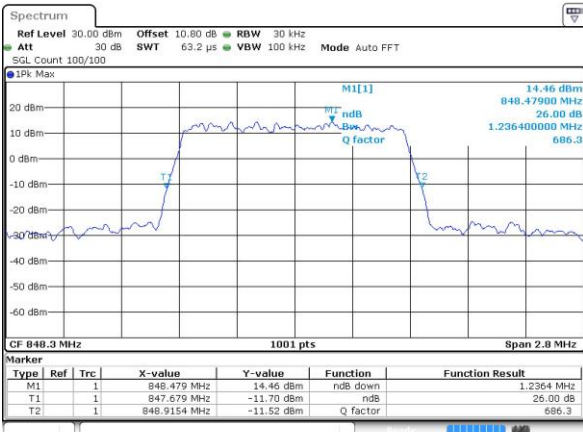
Date: 19 JUN 2017 19:29:38

Middle Channel / 1.4MHz / 16QAM



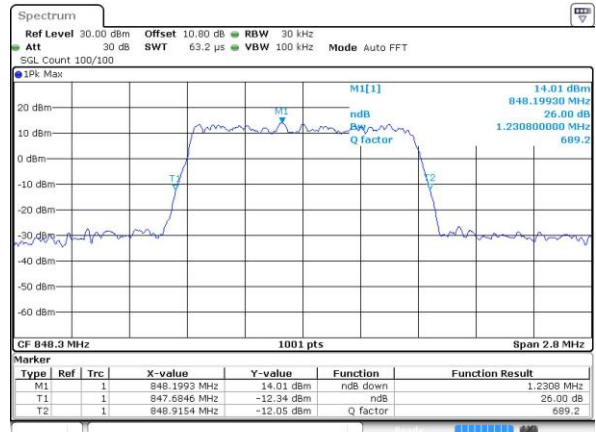
Date: 19 JUN 2017 19:29:48

Highest Channel / 1.4MHz / QPSK



Date: 19 JUN 2017 19:32:08

Highest Channel / 1.4MHz / 16QAM

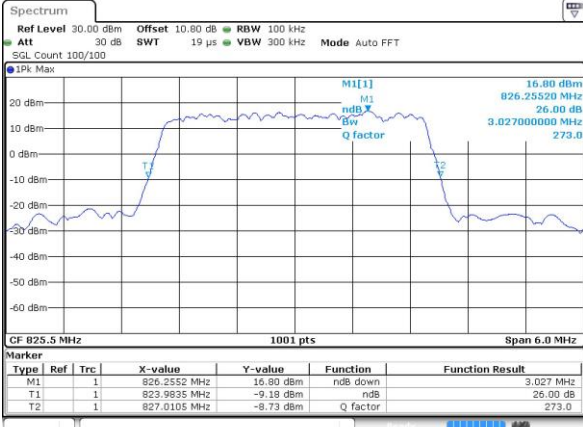


Date: 19 JUN 2017 19:32:18



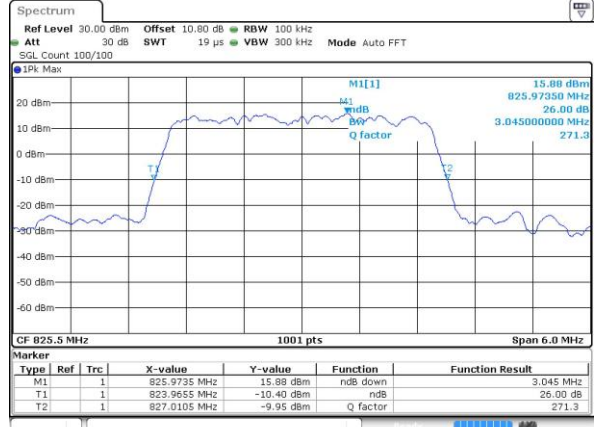
LTE Band 5

Lowest Channel / 3MHz / QPSK



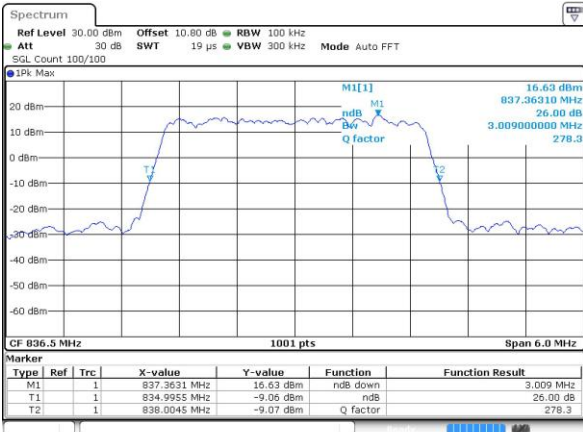
Date: 19 JUN 2017 19:41:14

Lowest Channel / 3MHz / 16QAM



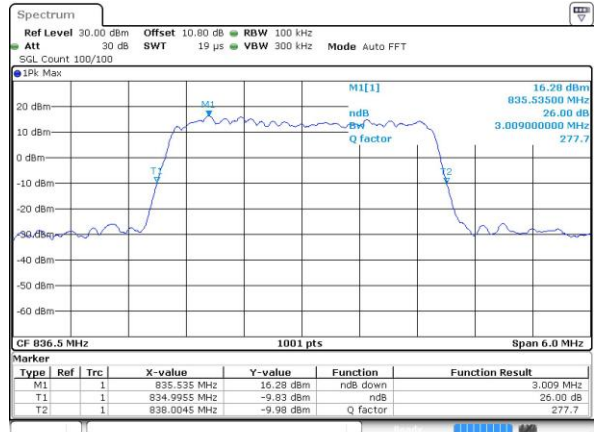
Date: 19 JUN 2017 19:41:24

Middle Channel / 3MHz / QPSK



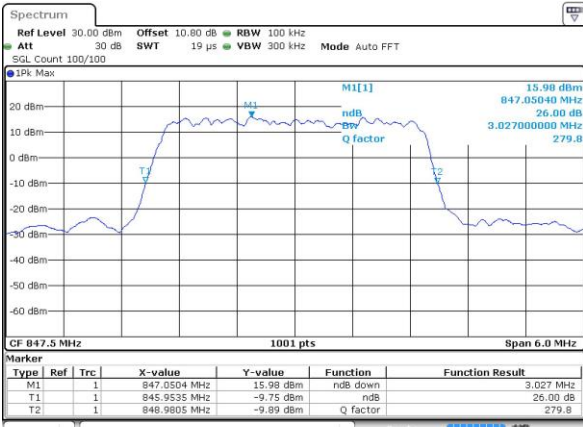
Date: 19 JUN 2017 19:50:21

Middle Channel / 3MHz / 16QAM



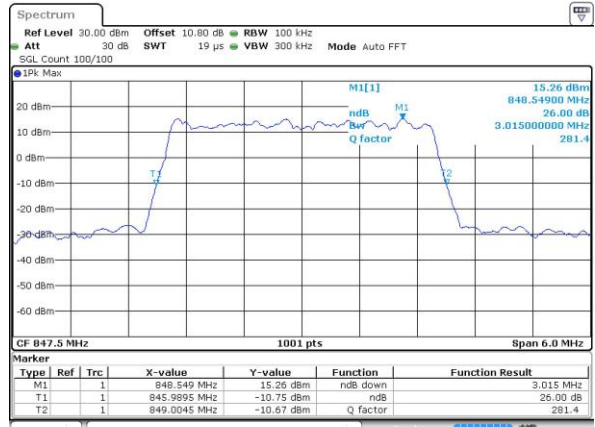
Date: 19 JUN 2017 19:50:31

Highest Channel / 3MHz / QPSK



Date: 19 JUN 2017 19:52:51

Highest Channel / 3MHz / 16QAM

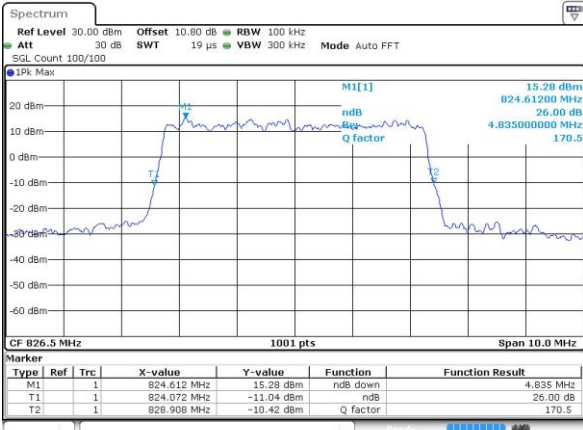


Date: 19 JUN 2017 19:53:01



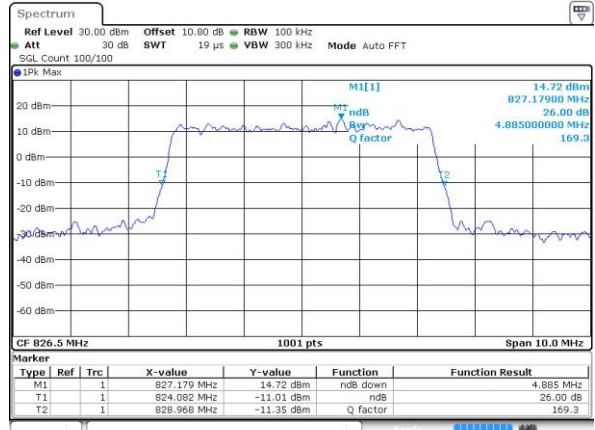
LTE Band 5

Lowest Channel / 5MHz / QPSK



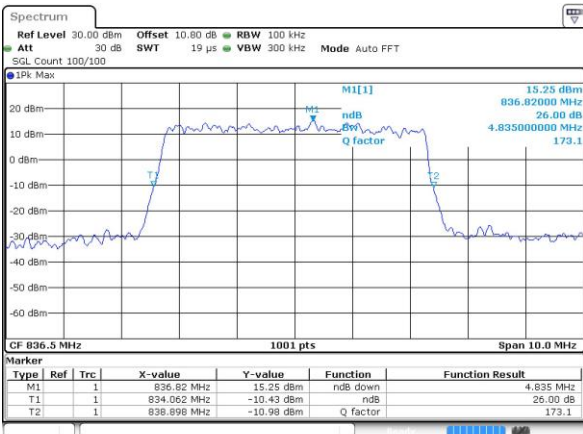
Date: 19 JUN 2017 20 01:57

Lowest Channel / 5MHz / 16QAM



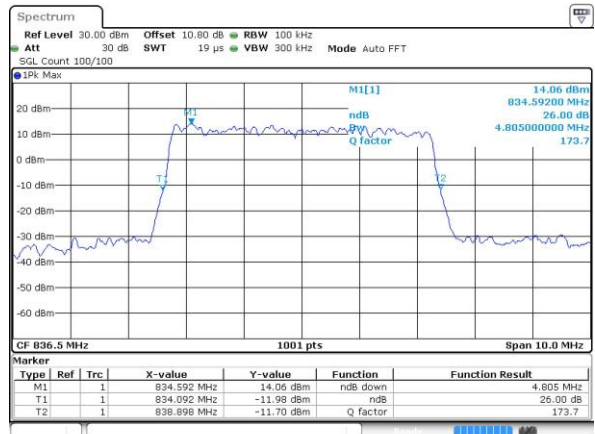
Date: 19 JUN 2017 20 02:07

Middle Channel / 5MHz / QPSK



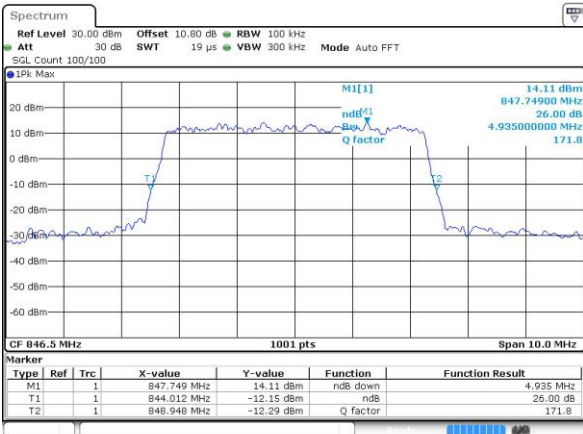
Date: 19 JUN 2017 20 11:04

Middle Channel / 5MHz / 16QAM



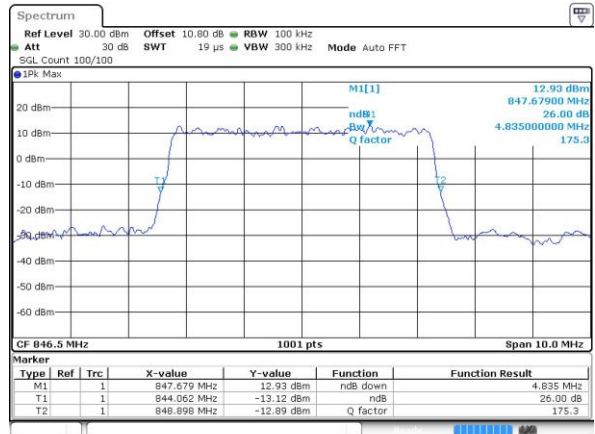
Date: 19 JUN 2017 20 11:14

Highest Channel / 5MHz / QPSK



Date: 19 JUN 2017 20 13:34

Highest Channel / 5MHz / 16QAM

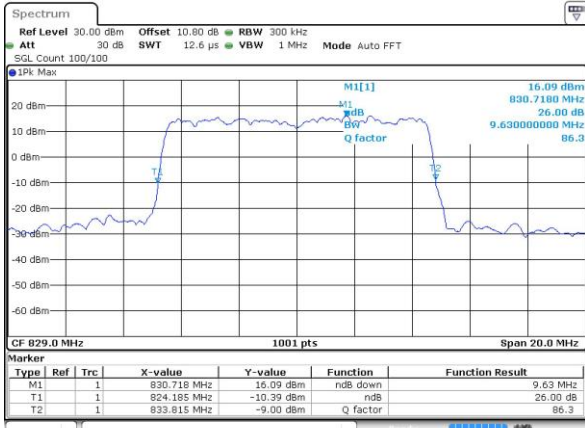


Date: 19 JUN 2017 20 13:44



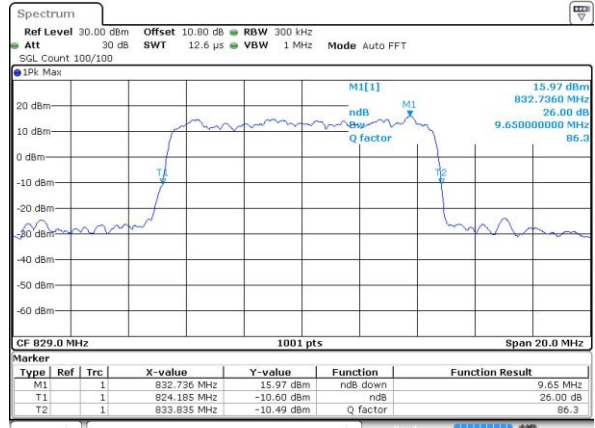
LTE Band 5

Lowest Channel / 10MHz / QPSK



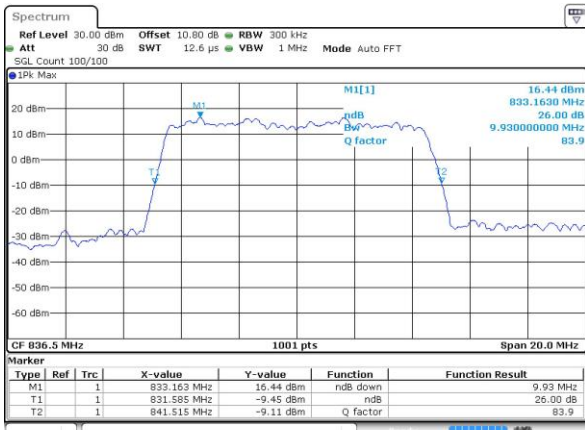
Date: 19 JUN 2017 20:22:41

Lowest Channel / 10MHz / 16QAM



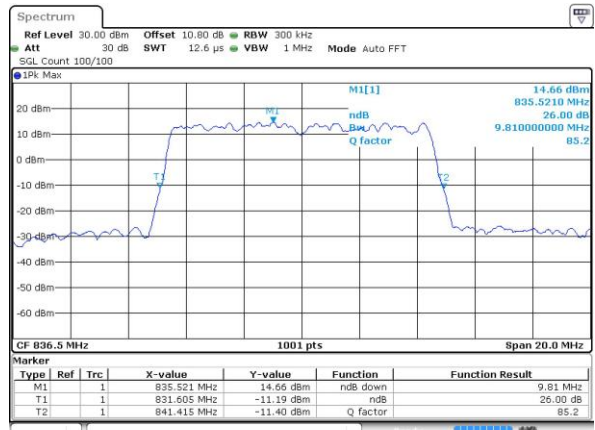
Date: 19 JUN 2017 20:22:51

Middle Channel / 10MHz / QPSK



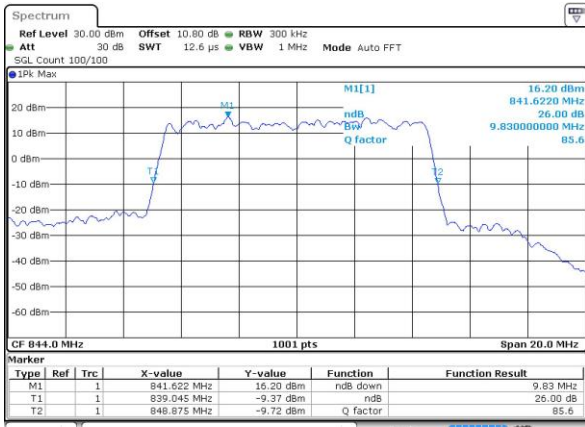
Date: 19 JUN 2017 20:31:48

Middle Channel / 10MHz / 16QAM



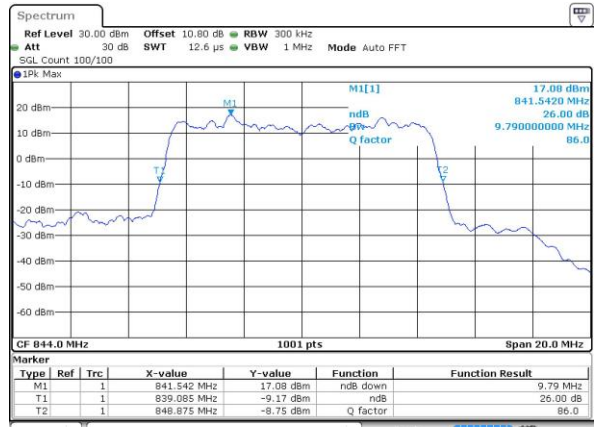
Date: 19 JUN 2017 20:31:58

Highest Channel / 10MHz / QPSK



Date: 19 JUN 2017 20:34:18

Highest Channel / 10MHz / 16QAM



Date: 19 JUN 2017 20:34:28



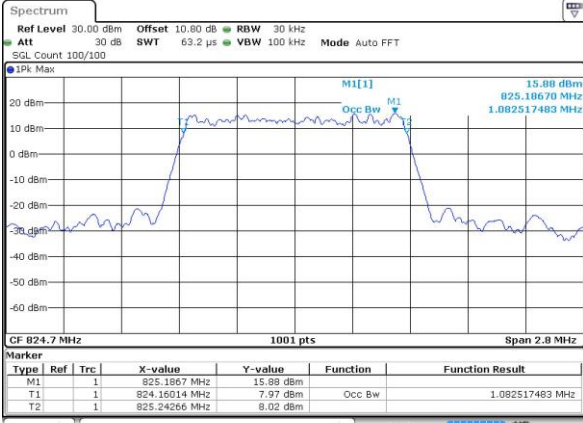
Occupied Bandwidth

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	1.08	1.1	2.72	2.72	4.48	4.49	9.03	9.03	-	-	-	-
Middle CH	1.09	1.09	2.73	2.72	4.5	4.49	8.95	9.01	-	-	-	-
Highest CH	1.09	1.09	2.71	2.73	4.51	4.47	9.05	8.97	-	-	-	-



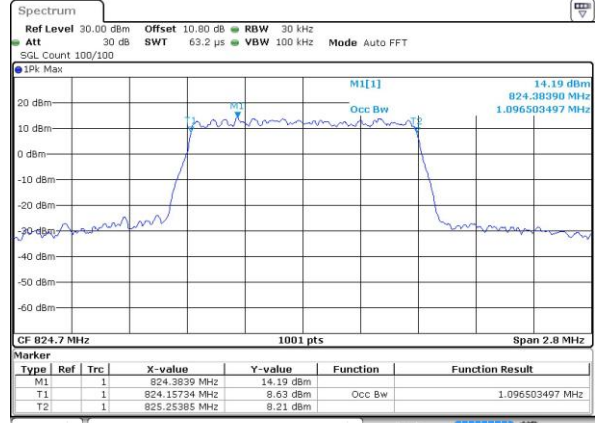
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



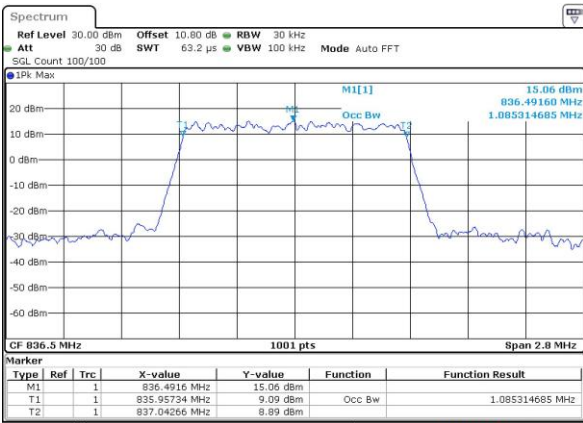
Date: 19 JUN 2017 19:20:10

Lowest Channel / 1.4MHz / 16QAM



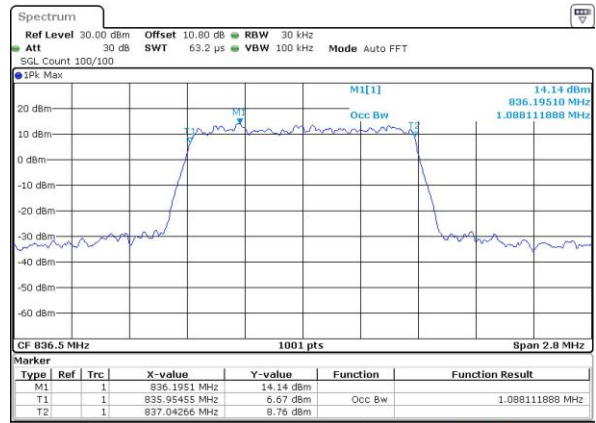
Date: 19 JUN 2017 19:20:21

Middle Channel / 1.4MHz / QPSK



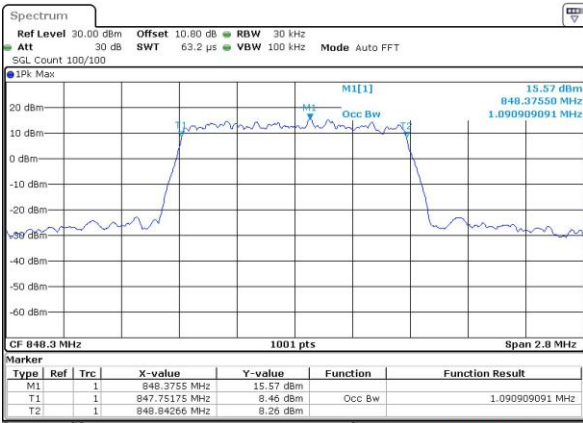
Date: 19 JUN 2017 19:29:17

Middle Channel / 1.4MHz / 16QAM



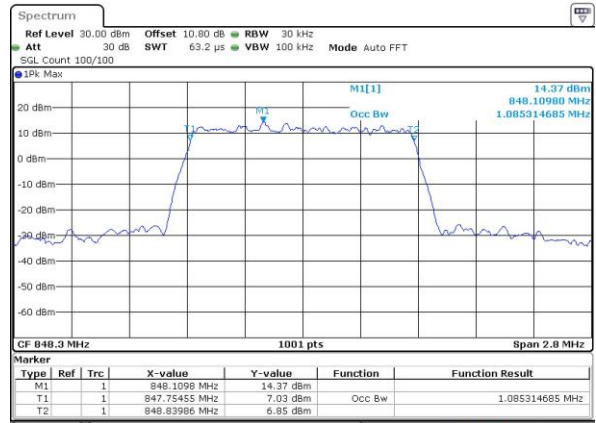
Date: 19 JUN 2017 19:29:27

Highest Channel / 1.4MHz / QPSK



Date: 19 JUN 2017 19:31:47

Highest Channel / 1.4MHz / 16QAM

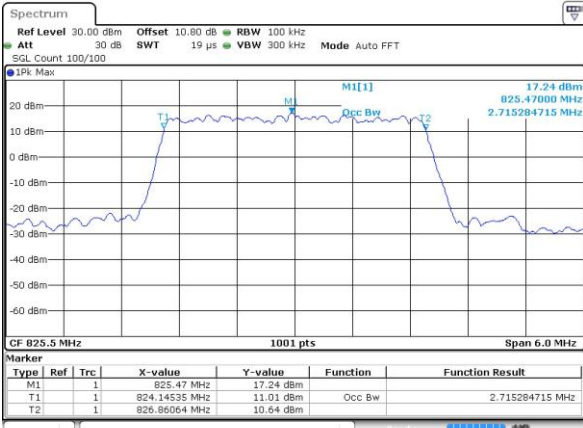


Date: 19 JUN 2017 19:31:57



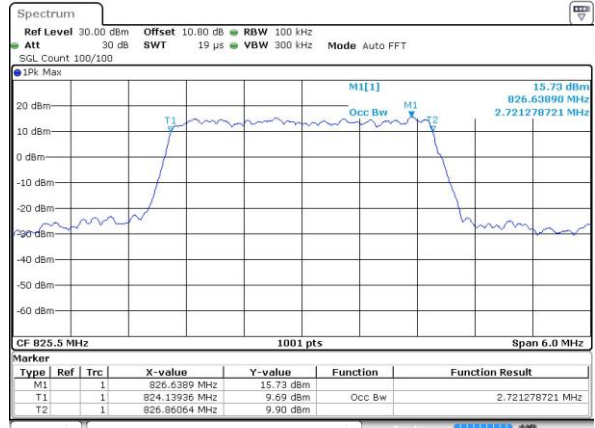
LTE Band 5

Lowest Channel / 3MHz / QPSK



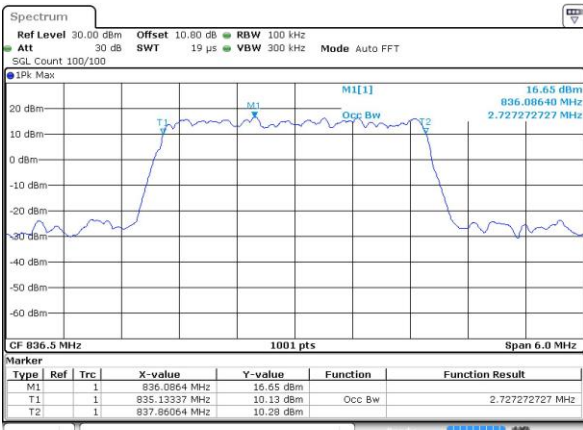
Date: 19 JUN 2017 19:40:53

Lowest Channel / 3MHz / 16QAM



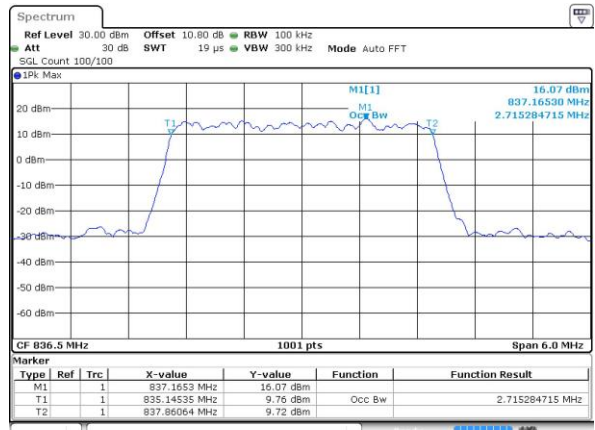
Date: 19 JUN 2017 19:41:04

Middle Channel / 3MHz / QPSK



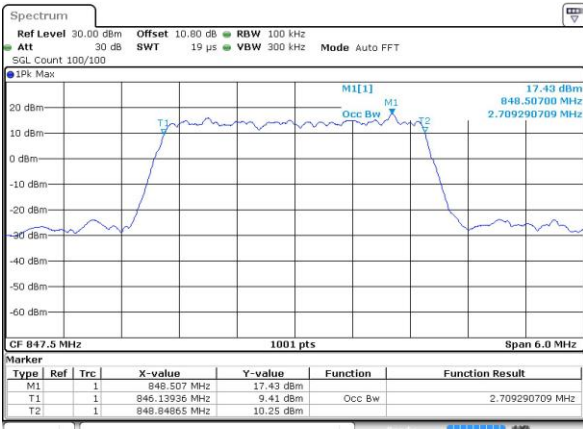
Date: 19 JUN 2017 19:50:00

Middle Channel / 3MHz / 16QAM



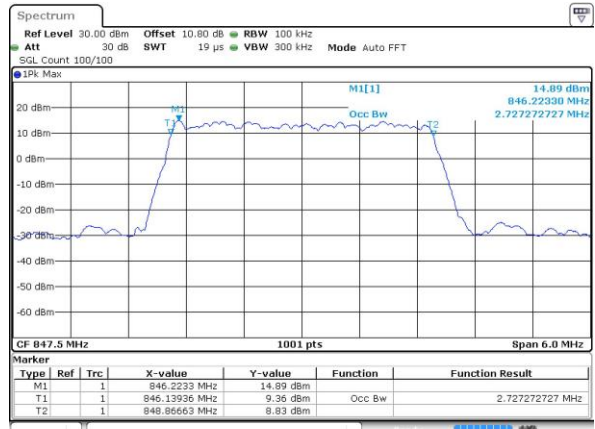
Date: 19 JUN 2017 19:50:10

Highest Channel / 3MHz / QPSK



Date: 19 JUN 2017 19:52:30

Highest Channel / 3MHz / 16QAM

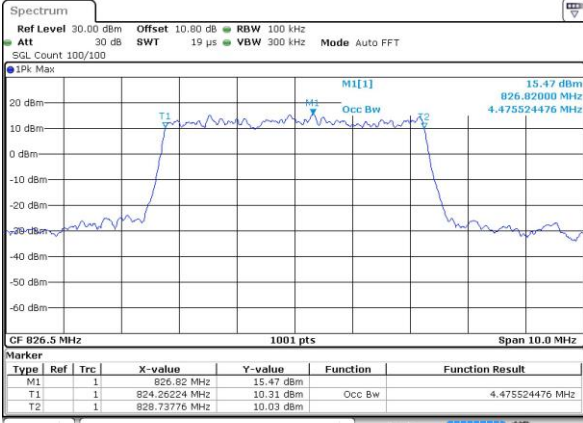


Date: 19 JUN 2017 19:52:40



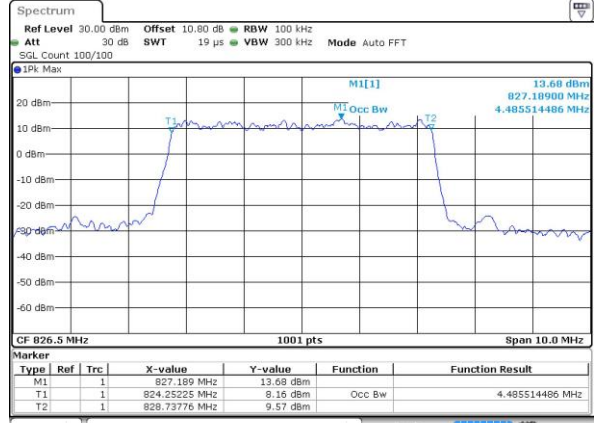
LTE Band 5

Lowest Channel / 5MHz / QPSK



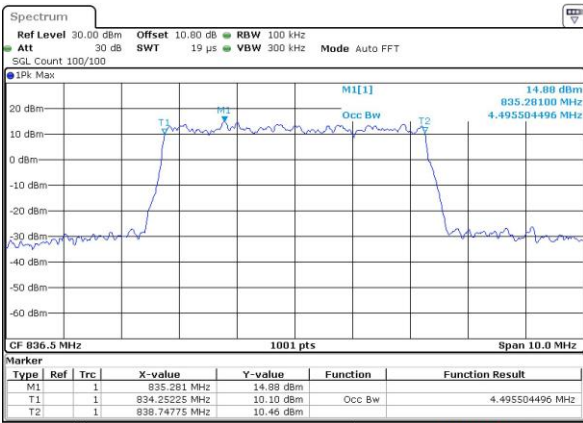
Date: 19 JUN 2017 20:01:36

Lowest Channel / 5MHz / 16QAM



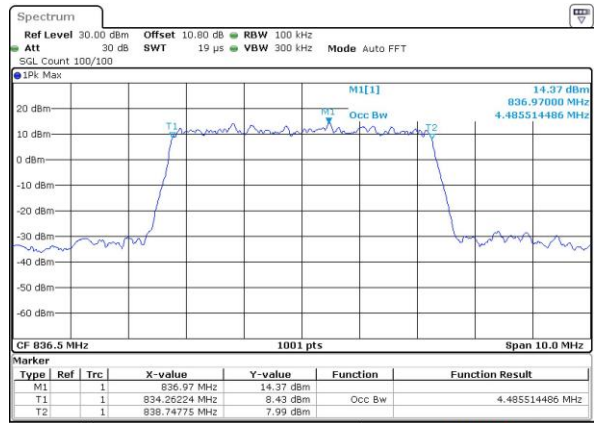
Date: 19 JUN 2017 20:01:47

Middle Channel / 5MHz / QPSK



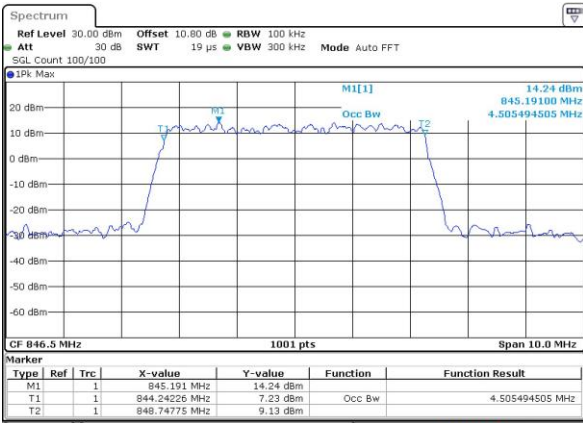
Date: 19 JUN 2017 20:10:43

Middle Channel / 5MHz / 16QAM



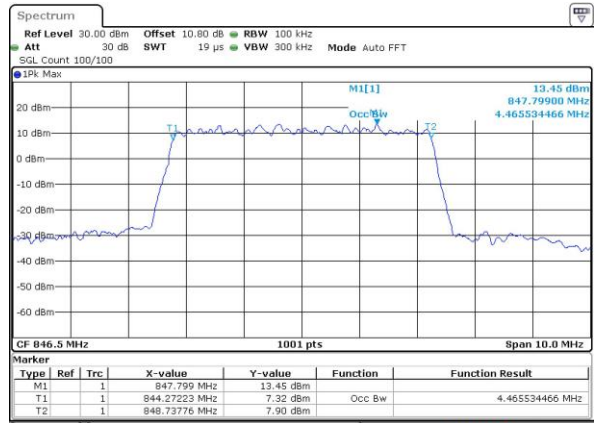
Date: 19 JUN 2017 20:10:53

Highest Channel / 5MHz / QPSK



Date: 19 JUN 2017 20:13:13

Highest Channel / 5MHz / 16QAM

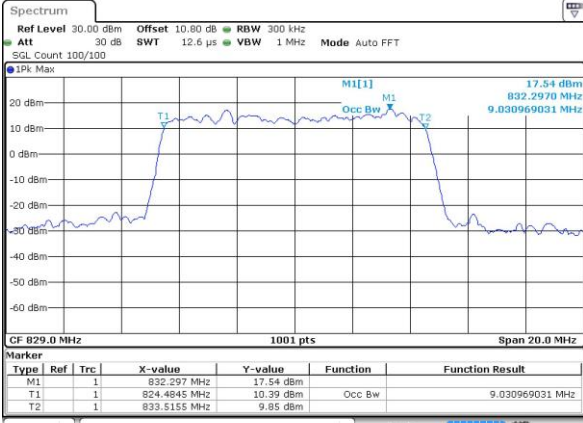


Date: 19 JUN 2017 20:13:24



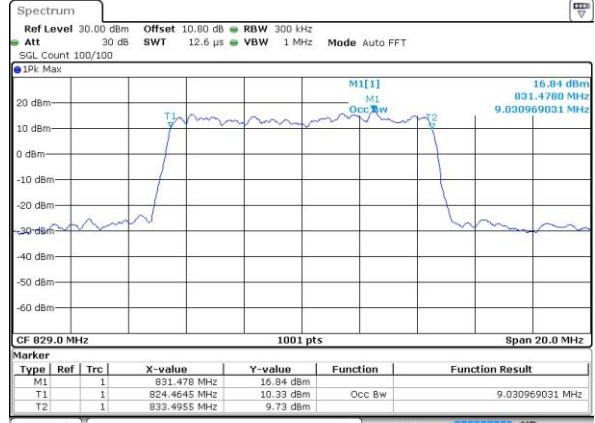
LTE Band 5

Lowest Channel / 10MHz / QPSK



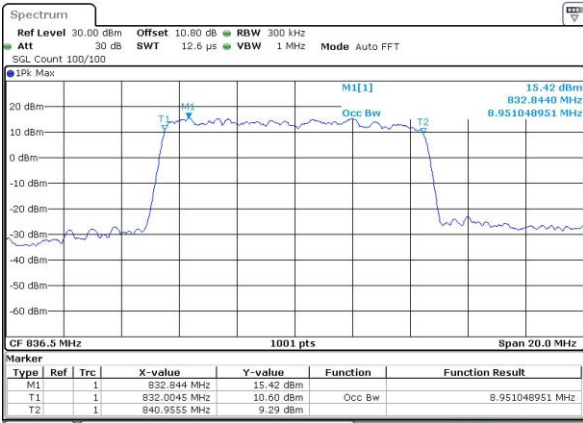
Date: 19 JUN 2017 20:22:20

Lowest Channel / 10MHz / 16QAM



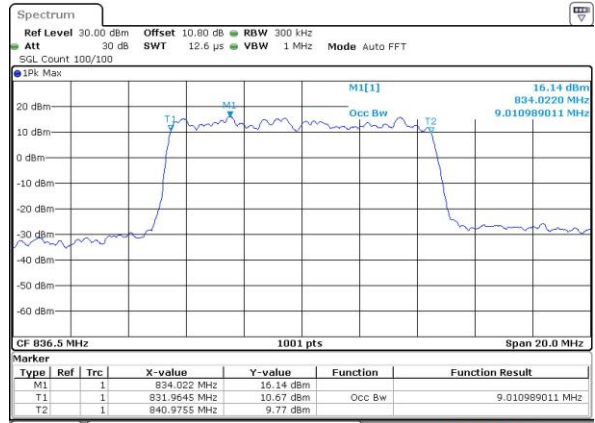
Date: 19 JUN 2017 20:22:31

Middle Channel / 10MHz / QPSK



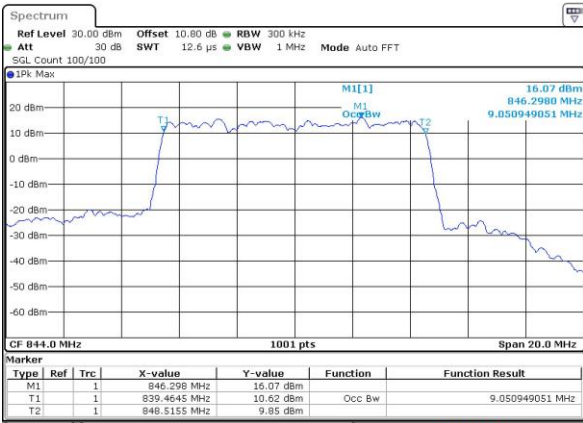
Date: 19 JUN 2017 20:31:27

Middle Channel / 10MHz / 16QAM



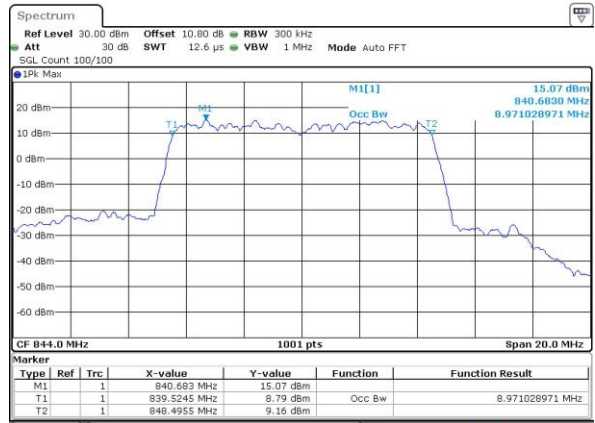
Date: 19 JUN 2017 20:31:37

Highest Channel / 10MHz / QPSK



Date: 19 JUN 2017 20:33:57

Highest Channel / 10MHz / 16QAM



Date: 19 JUN 2017 20:34:07

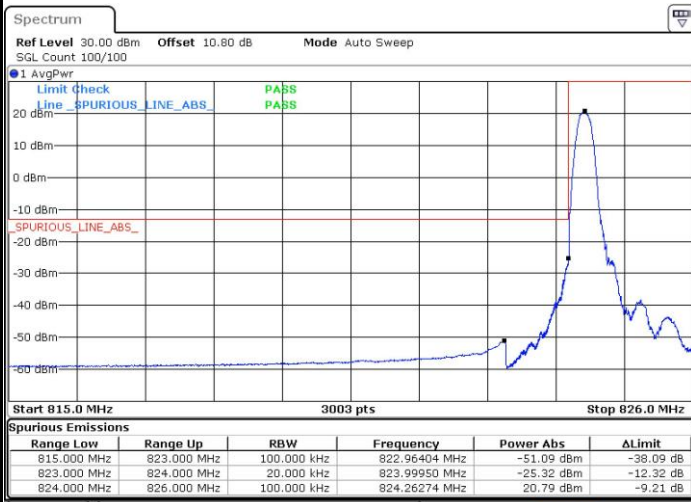


Conducted Band Edge



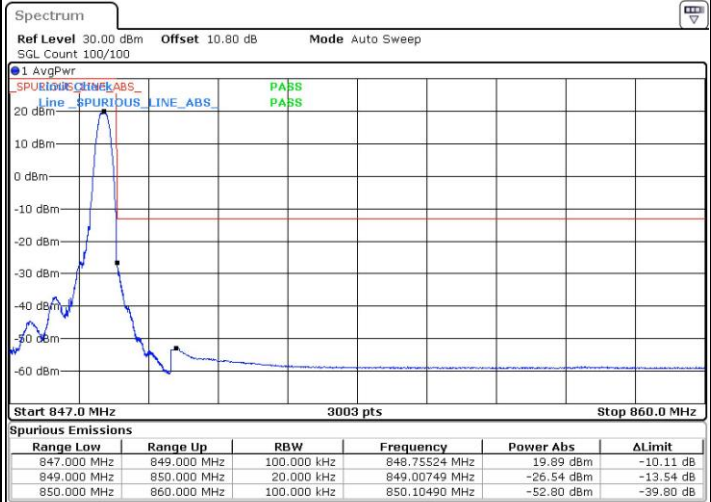
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



Date: 19 JUN 2017 19:22:20

Highest Band Edge / 1RB



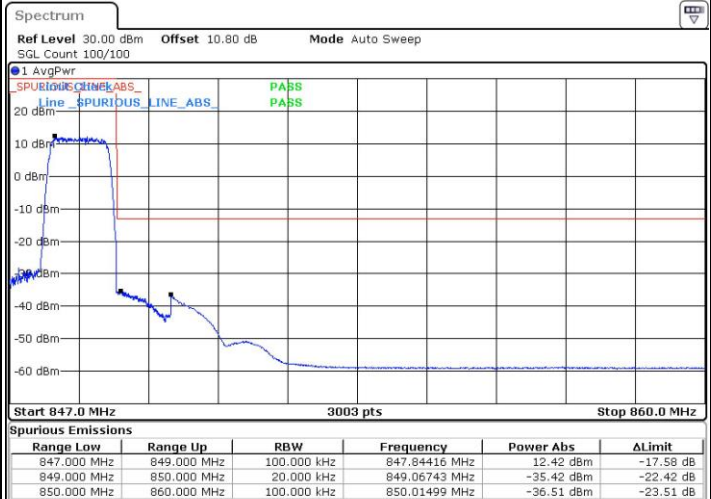
Date: 19 JUN 2017 19:37:15

Lowest Band Edge / Full RB



Date: 19 JUN 2017 19:25:38

Highest Band Edge / Full RB



Date: 19 JUN 2017 19:33:57