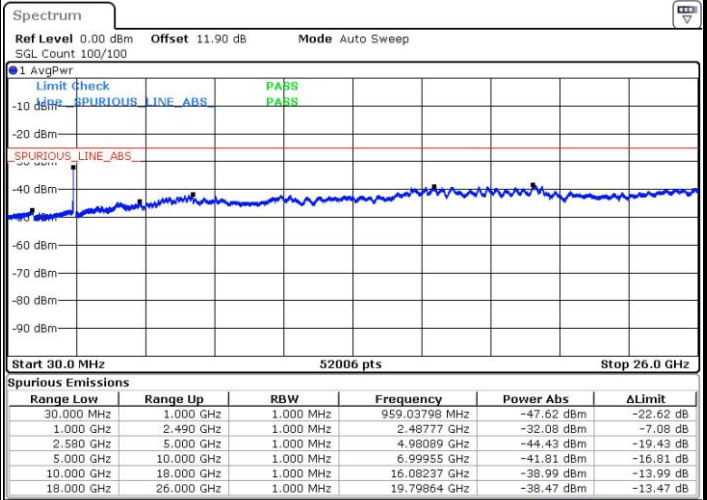
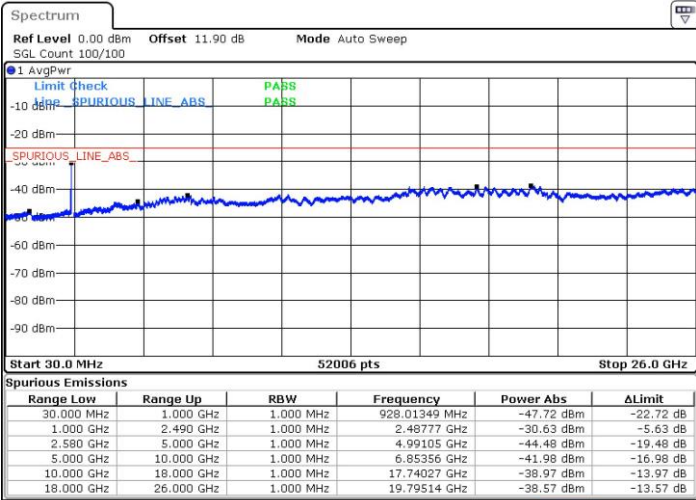




LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

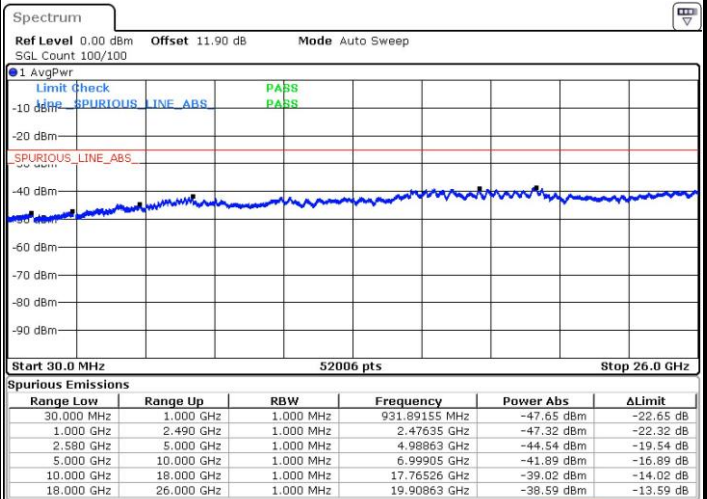
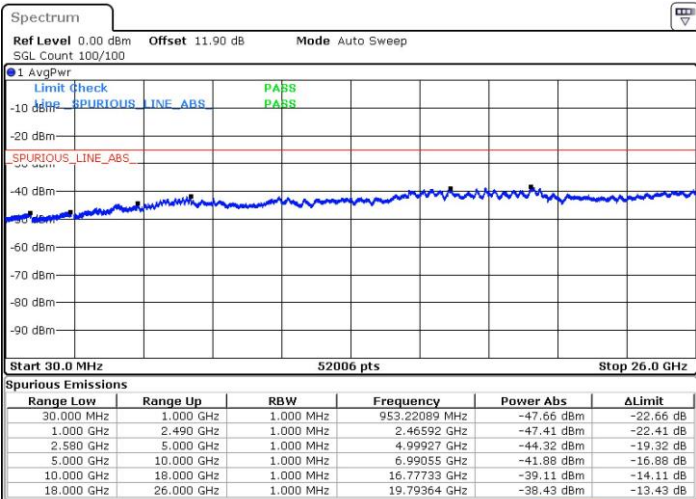


Date: 14.OCT.2016 17:09:52

Date: 14.OCT.2016 17:10:45

Middle Channel / QPSK

Middle Channel / 16QAM



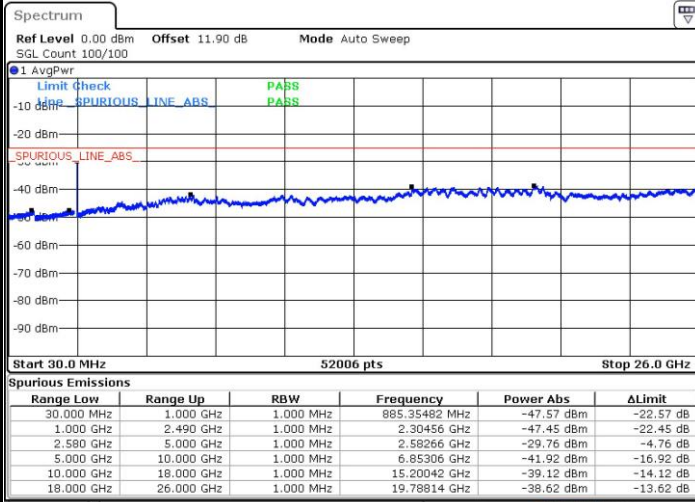
Date: 14.OCT.2016 17:12:21

Date: 14.OCT.2016 17:13:14



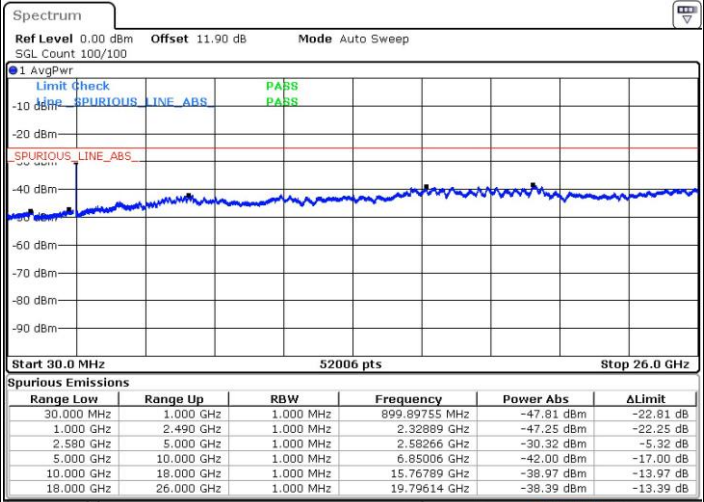
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 14.OCT.2016 17:19:29

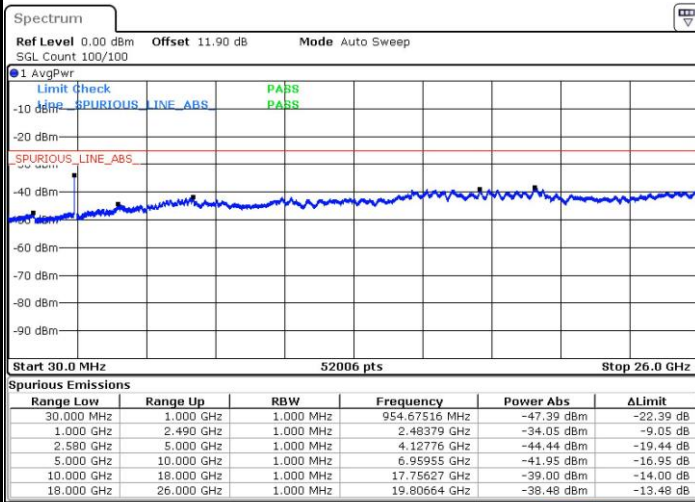
Highest Channel / 16QAM



Date: 14.OCT.2016 17:20:22

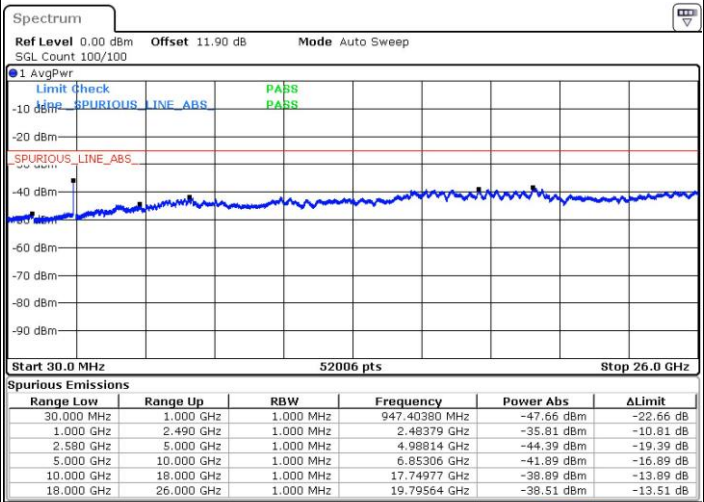
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 14.OCT.2016 19:14:46

Lowest Channel / 16QAM



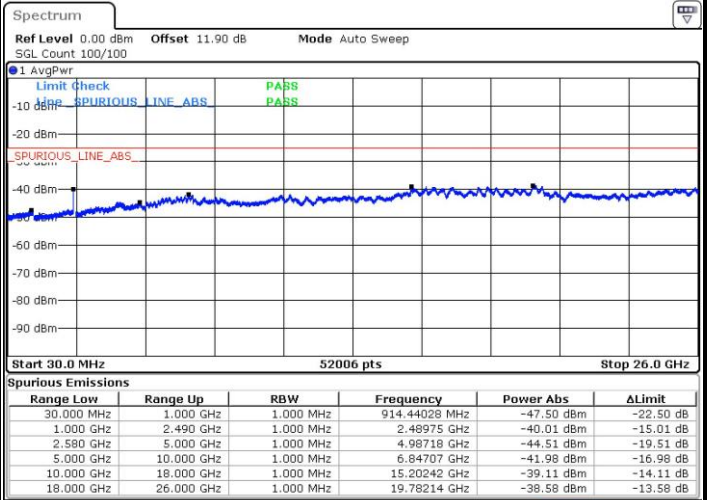
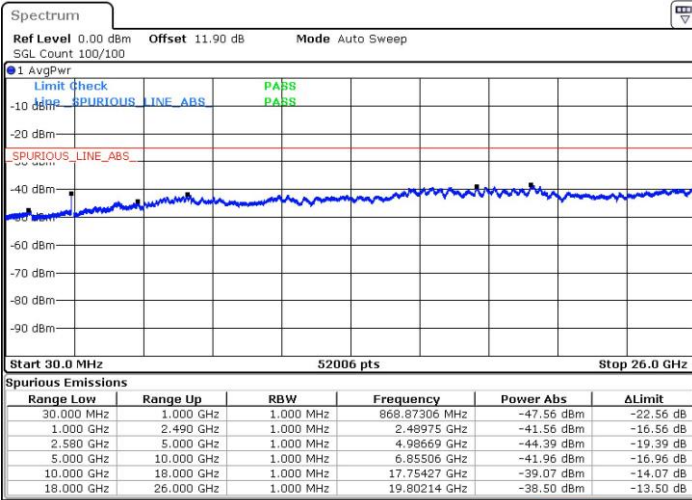
Date: 14.OCT.2016 19:15:39



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

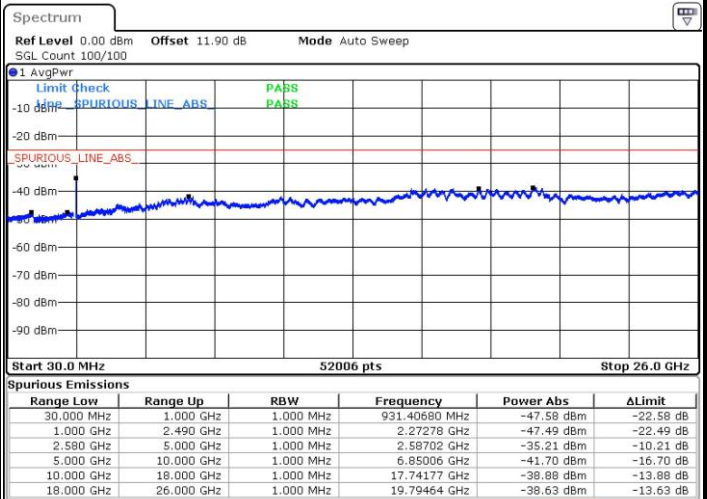
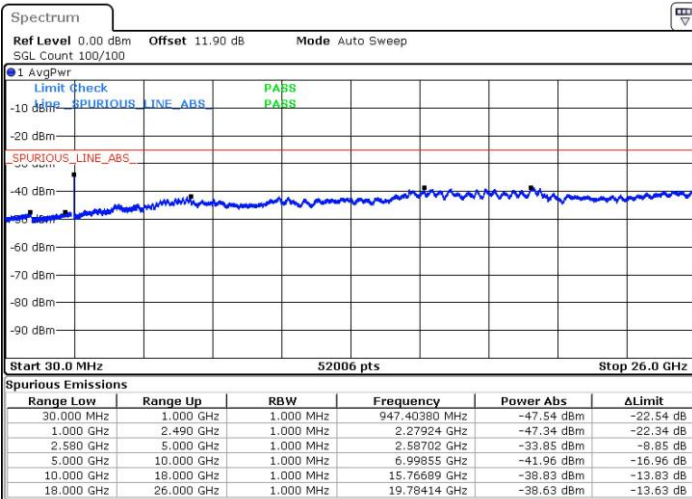


Date: 14.OCT.2016 19:17:15

Date: 14.OCT.2016 19:18:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.OCT.2016 19:24:23

Date: 14.OCT.2016 19:25:17



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0061	

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 41

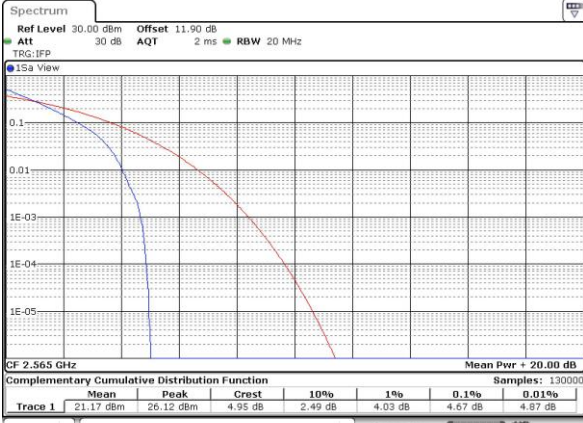
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.67	5.45	5.51	6.32	<b>PASS</b>
Middle CH	4.46	5.25	5.13	6.09	
Highest CH	4.46	5.3	5.28	6.23	



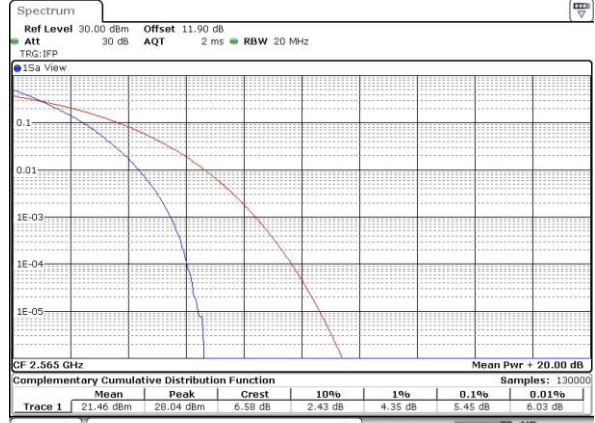
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



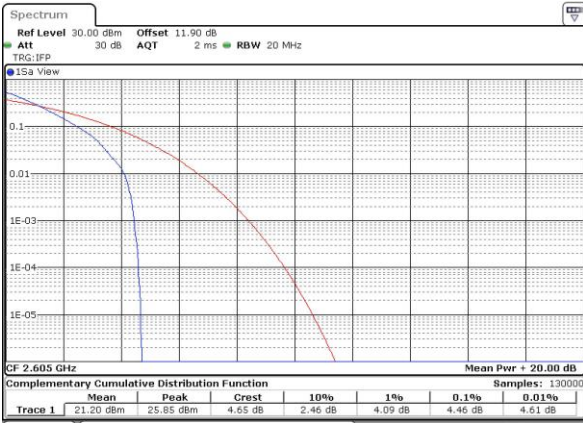
Date: 17.OCT.2016 09:43:01

Lowest Channel / Full RB



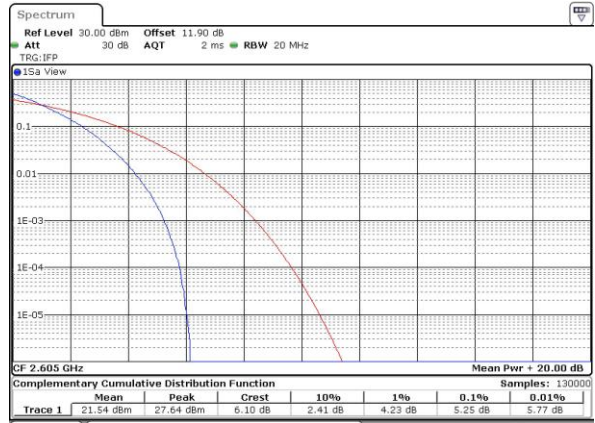
Date: 17.OCT.2016 09:43:17

Middle Channel / 1RB



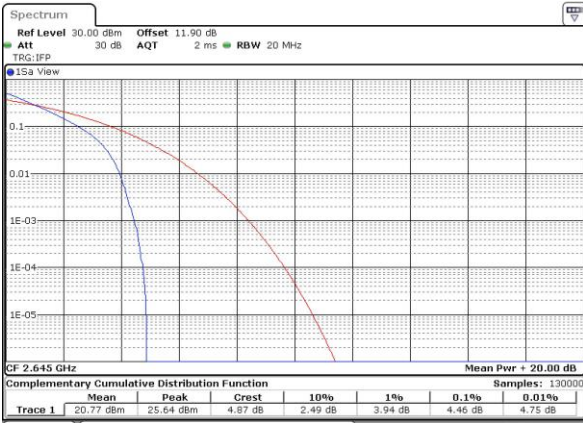
Date: 17.OCT.2016 09:43:32

Middle Channel / Full RB



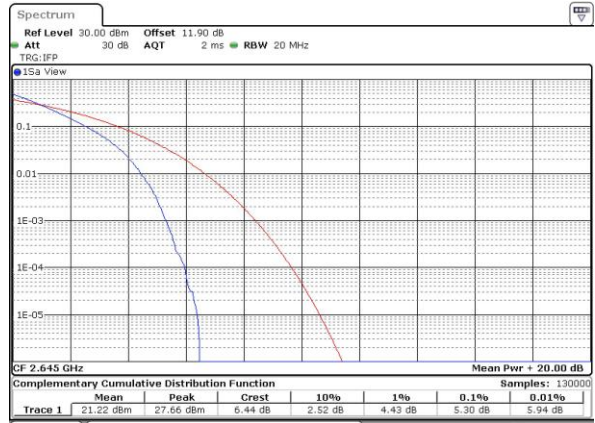
Date: 17.OCT.2016 09:43:45

Highest Channel / 1RB



Date: 17.OCT.2016 09:43:58

Highest Channel / Full RB

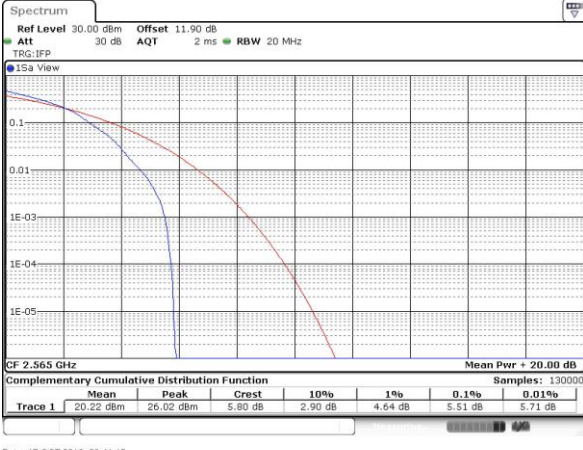


Date: 17.OCT.2016 09:44:13



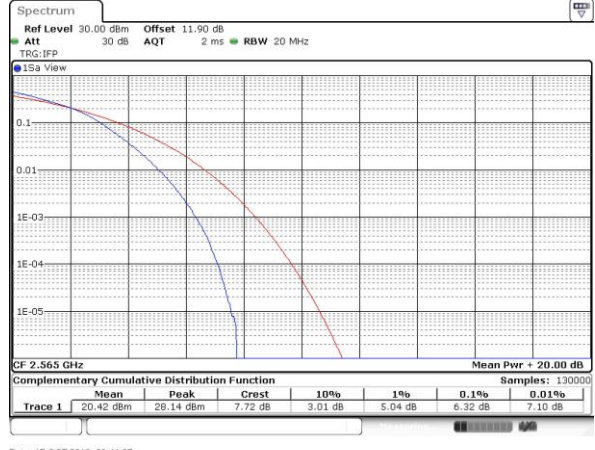
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



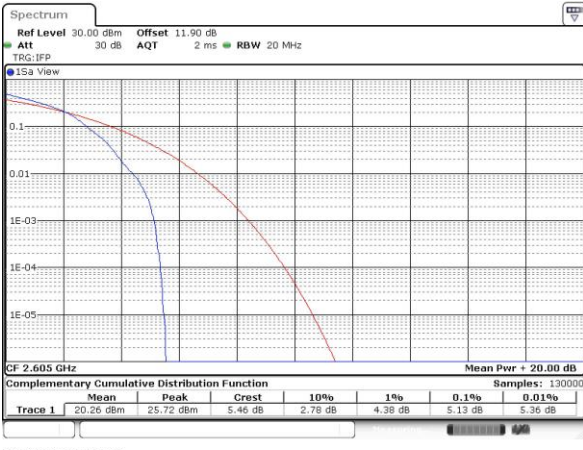
Date: 17.OCT.2016 09:41:15

Lowest Channel / Full RB



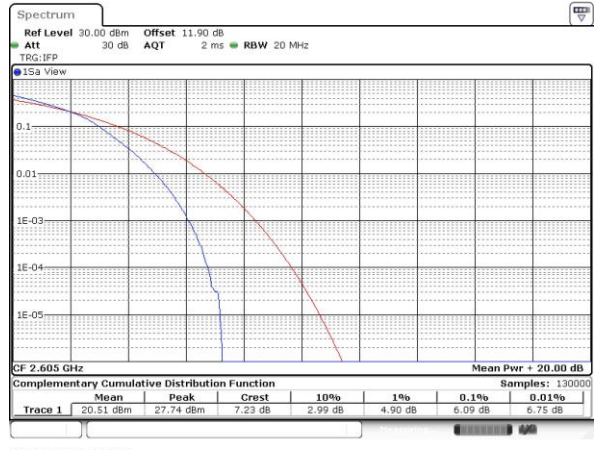
Date: 17.OCT.2016 09:41:37

Middle Channel / 1RB



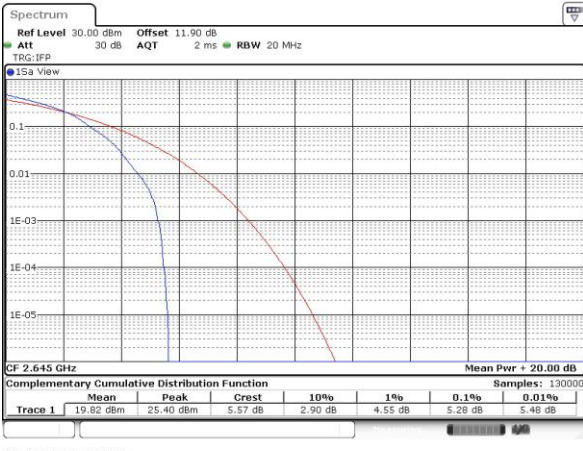
Date: 17.OCT.2016 09:41:59

Middle Channel / Full RB



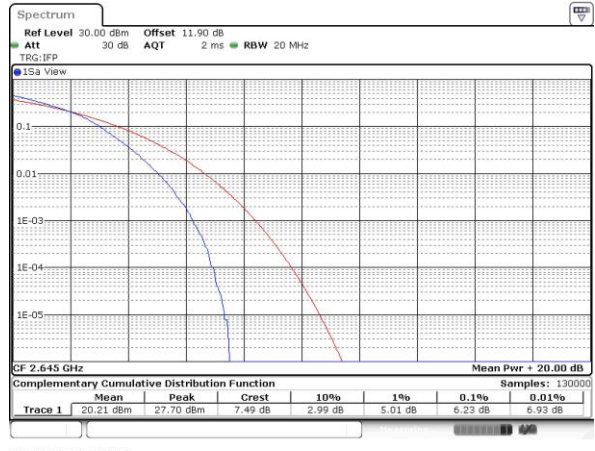
Date: 17.OCT.2016 09:42:18

Highest Channel / 1RB



Date: 17.OCT.2016 09:42:32

Highest Channel / Full RB



Date: 17.OCT.2016 09:42:48



**26dB Bandwidth**

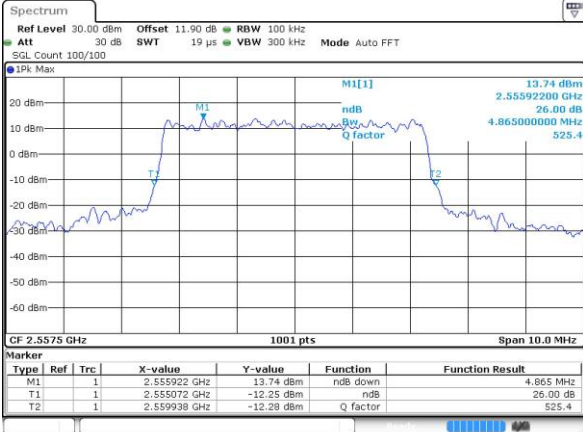
Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.87	5.06	9.65	9.77	14.39	14.81	20.06	20.26
Middle CH	-	-	-	-	5.03	4.86	9.65	9.65	14.63	14.15	20.22	20.34
Highest CH	-	-	-	-	5.03	4.95	9.69	9.67	14.45	14.12	20.10	20.14





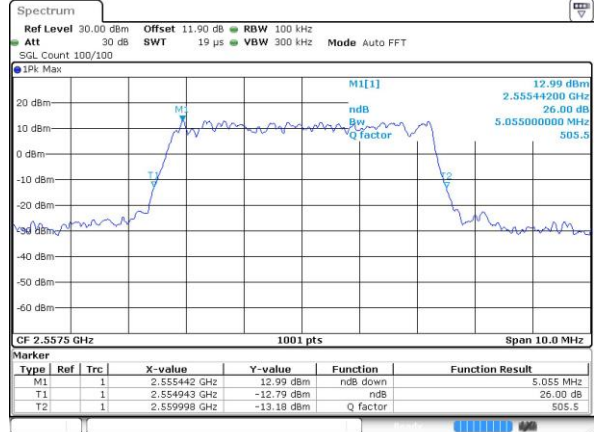
LTE Band 41

Lowest Channel / 5MHz / QPSK



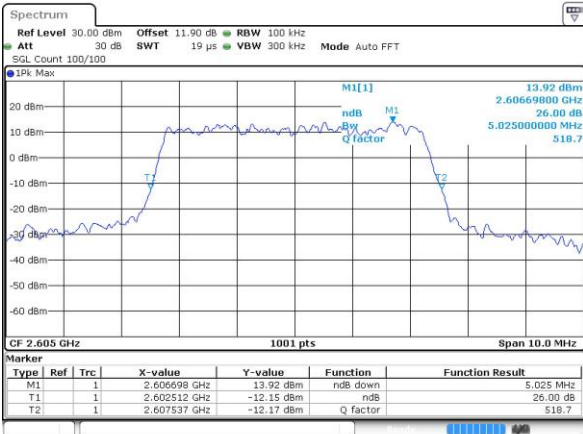
Date: 14.OCT.2016 20:32:09

Lowest Channel / 5MHz / 16QAM



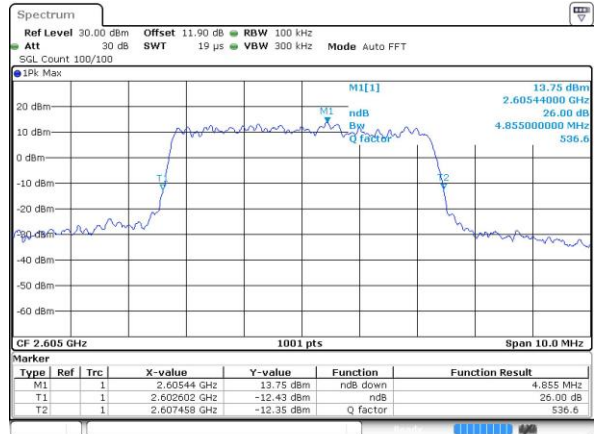
Date: 14.OCT.2016 20:32:19

Middle Channel / 5MHz / QPSK



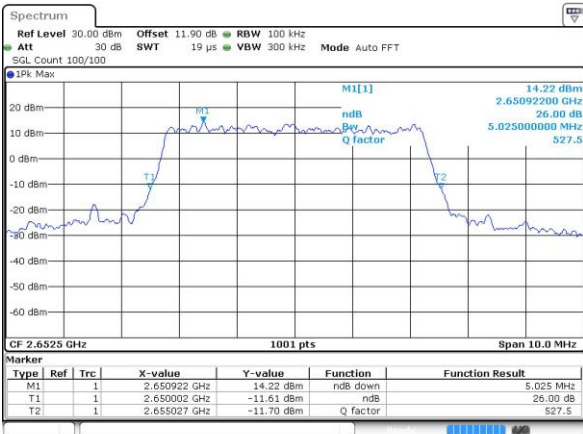
Date: 14.OCT.2016 20:32:50

Middle Channel / 5MHz / 16QAM



Date: 14.OCT.2016 20:33:01

Highest Channel / 5MHz / QPSK



Date: 14.OCT.2016 20:33:32

Highest Channel / 5MHz / 16QAM

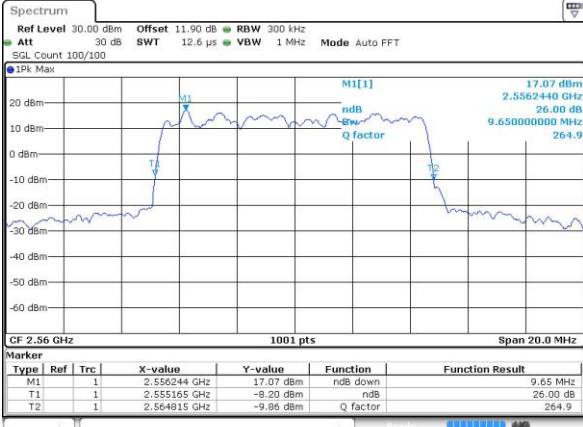


Date: 14.OCT.2016 20:33:42



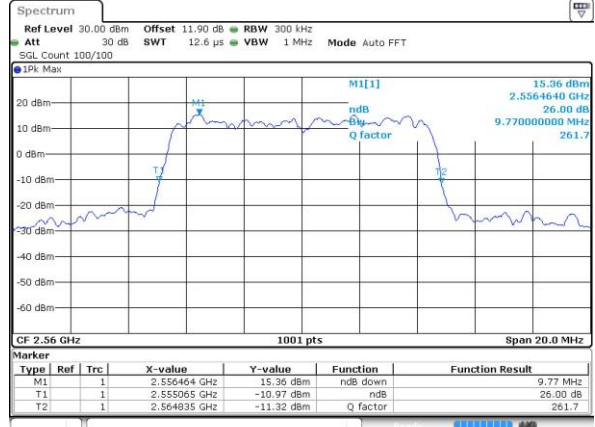
LTE Band 41

Lowest Channel / 10MHz / QPSK



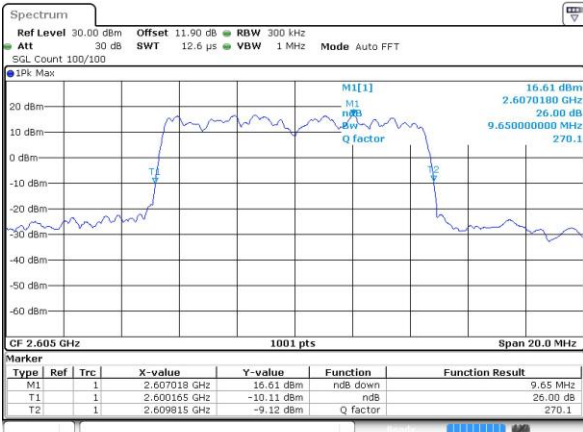
Date: 14.OCT.2016 20:34:14

Lowest Channel / 10MHz / 16QAM



Date: 14.OCT.2016 20:34:24

Middle Channel / 10MHz / QPSK



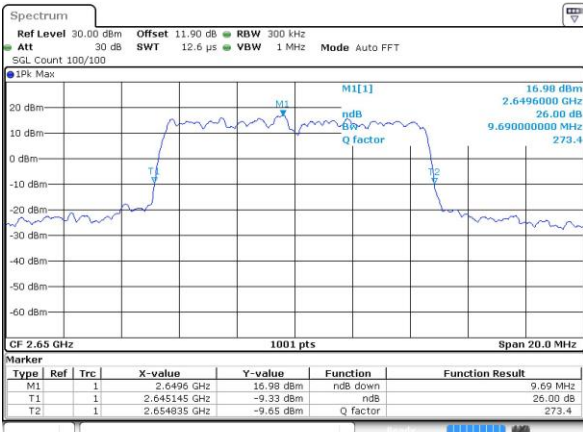
Date: 14.OCT.2016 20:34:55

Middle Channel / 10MHz / 16QAM



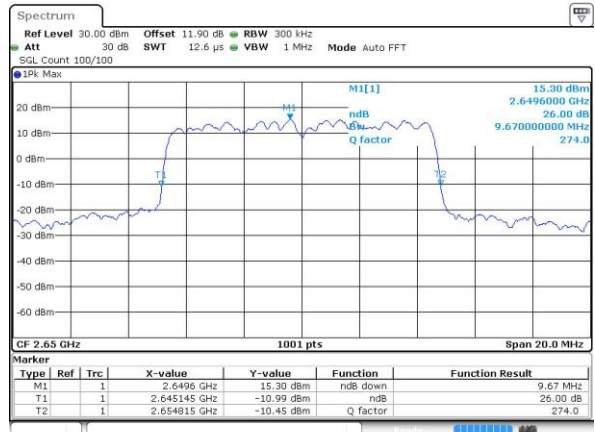
Date: 14.OCT.2016 20:35:05

Highest Channel / 10MHz / QPSK



Date: 14.OCT.2016 20:35:37

Highest Channel / 10MHz / 16QAM

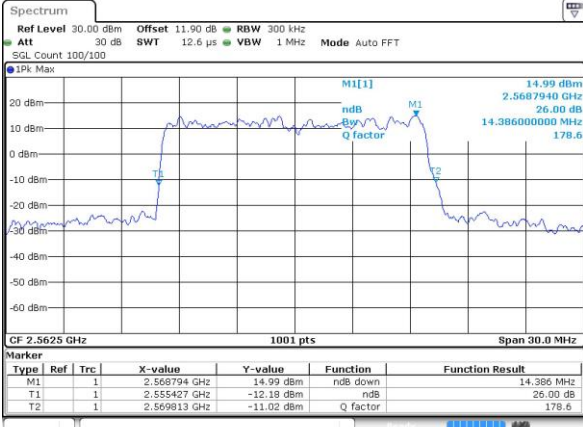


Date: 14.OCT.2016 20:35:47



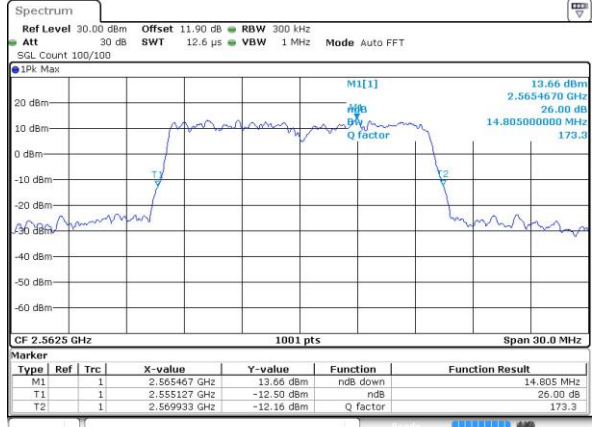
LTE Band 41

Lowest Channel / 15MHz / QPSK



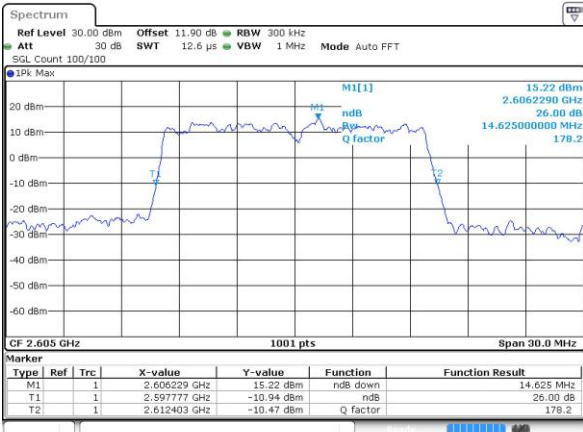
Date: 14.OCT.2016 20:36:18

Lowest Channel / 15MHz / 16QAM



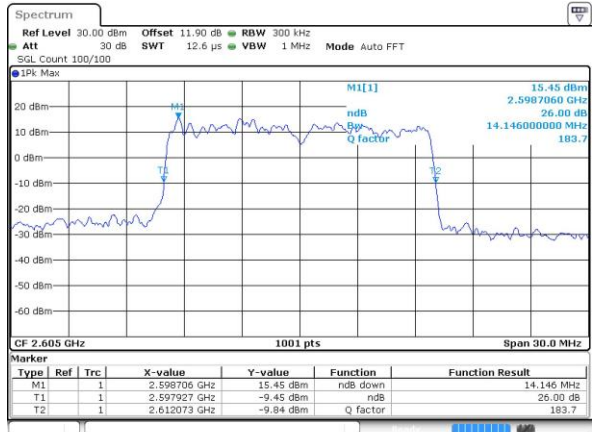
Date: 14.OCT.2016 20:36:29

Middle Channel / 15MHz / QPSK



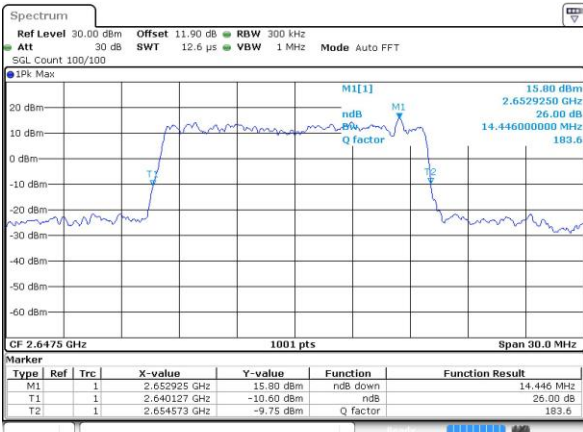
Date: 14.OCT.2016 20:37:00

Middle Channel / 15MHz / 16QAM



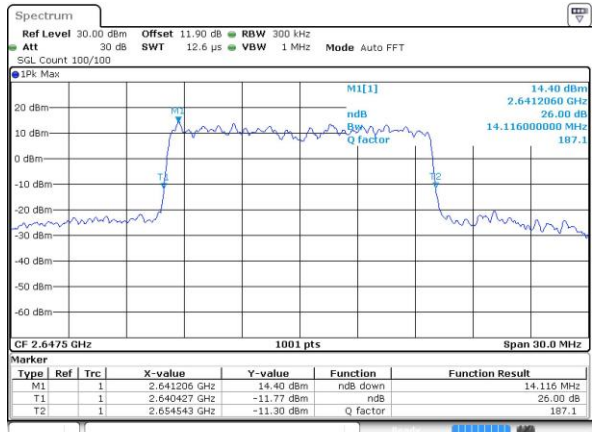
Date: 14.OCT.2016 20:37:10

Highest Channel / 15MHz / QPSK



Date: 14.OCT.2016 20:37:41

Highest Channel / 15MHz / 16QAM

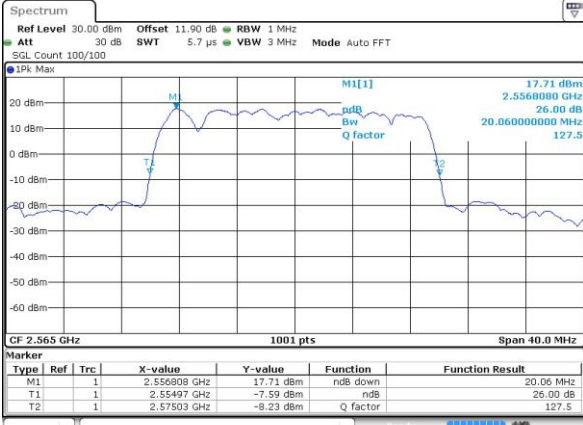


Date: 14.OCT.2016 20:37:52



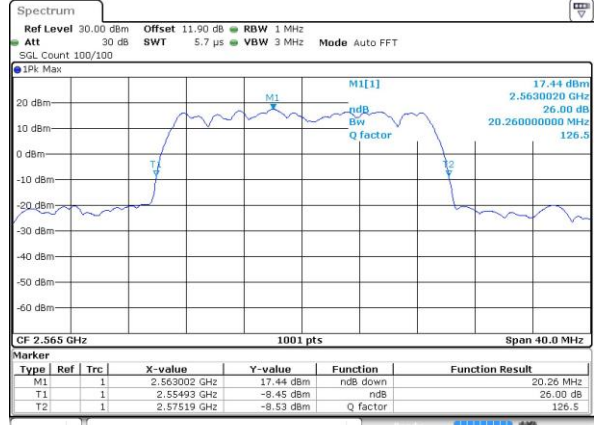
LTE Band 41

Lowest Channel / 20MHz / QPSK



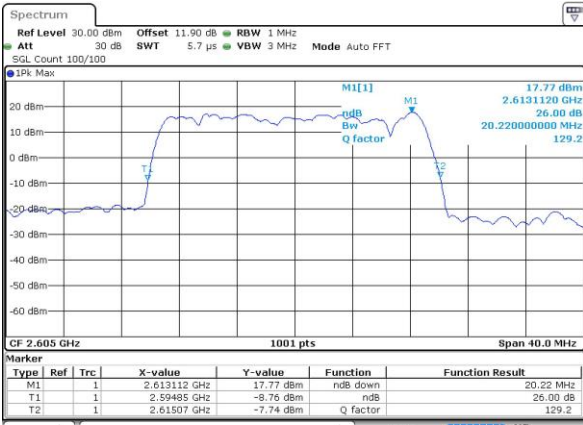
Date: 14.OCT.2016 20:38:23

Lowest Channel / 20MHz / 16QAM



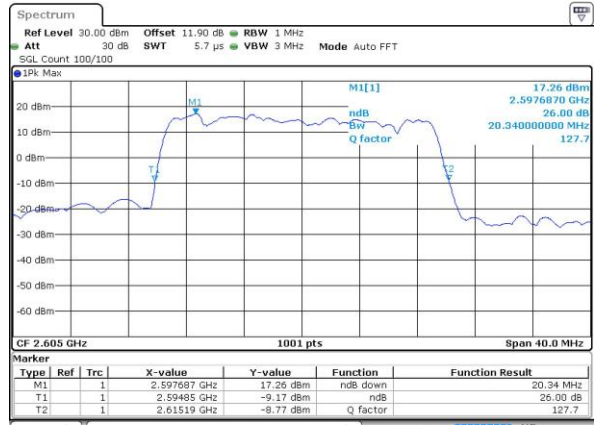
Date: 14.OCT.2016 20:38:33

Middle Channel / 20MHz / QPSK



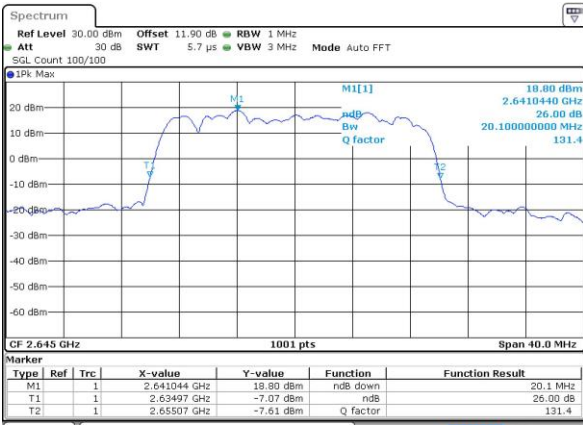
Date: 14.OCT.2016 20:39:04

Middle Channel / 20MHz / 16QAM



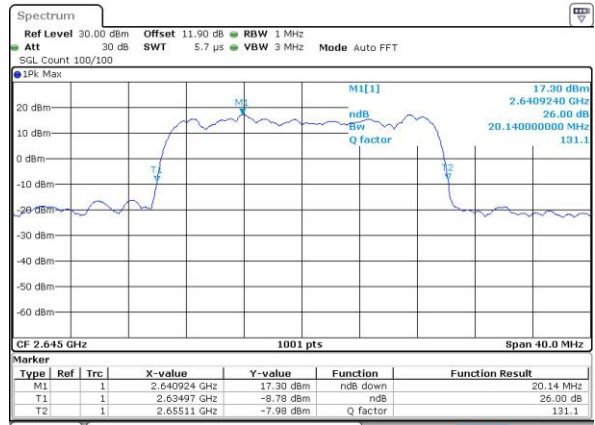
Date: 14.OCT.2016 20:39:14

Highest Channel / 20MHz / QPSK



Date: 14.OCT.2016 20:39:46

Highest Channel / 20MHz / 16QAM



Date: 14.OCT.2016 20:39:56



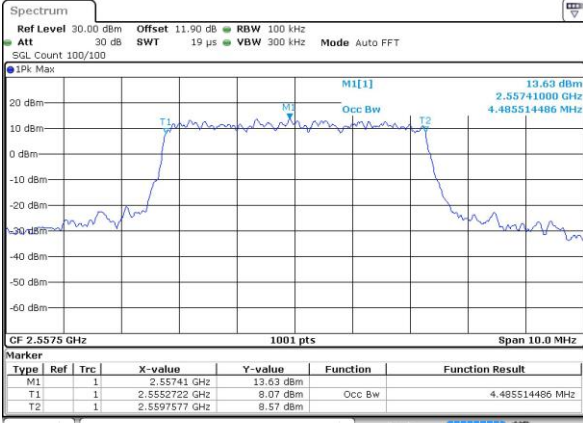
**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(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	-	-	-	-	4.49	4.47	9.01	9.05	13.49	13.46	18.42	18.38
Middle CH	-	-	-	-	4.5	4.47	8.99	9.03	13.43	13.43	18.22	18.5
Highest CH	-	-	-	-	4.49	4.5	8.95	9.09	13.58	13.46	18.38	18.22



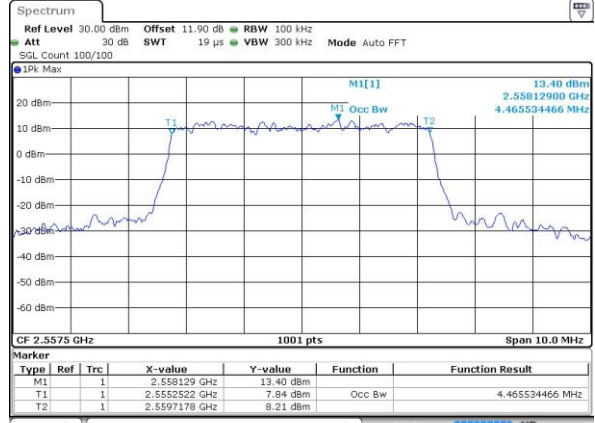
LTE Band 41

Lowest Channel / 5MHz / QPSK



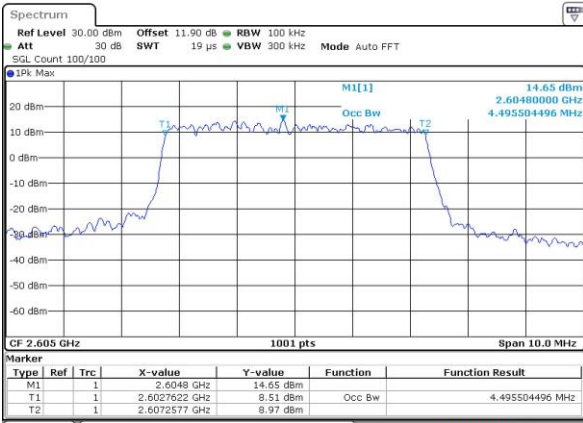
Date: 14.OCT.2016 20:31:48

Lowest Channel / 5MHz / 16QAM



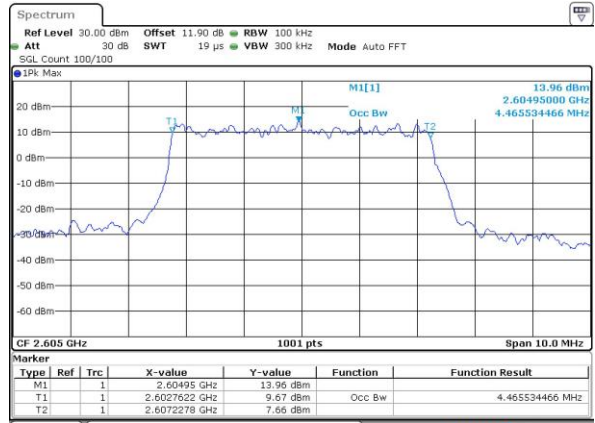
Date: 14.OCT.2016 20:31:58

Middle Channel / 5MHz / QPSK



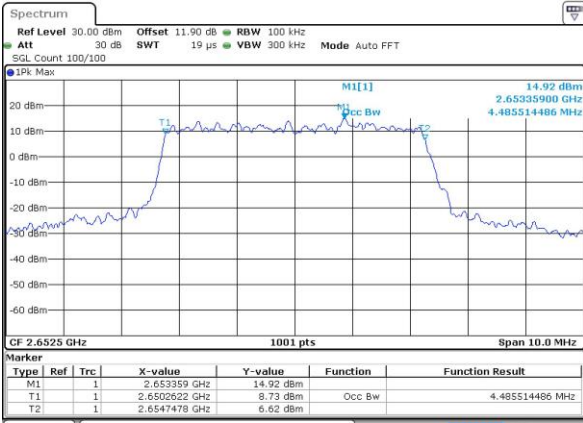
Date: 14.OCT.2016 20:32:30

Middle Channel / 5MHz / 16QAM



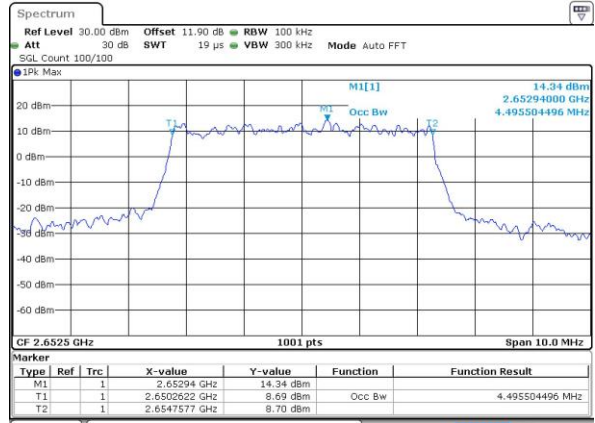
Date: 14.OCT.2016 20:32:40

Highest Channel / 5MHz / QPSK



Date: 14.OCT.2016 20:33:11

Highest Channel / 5MHz / 16QAM

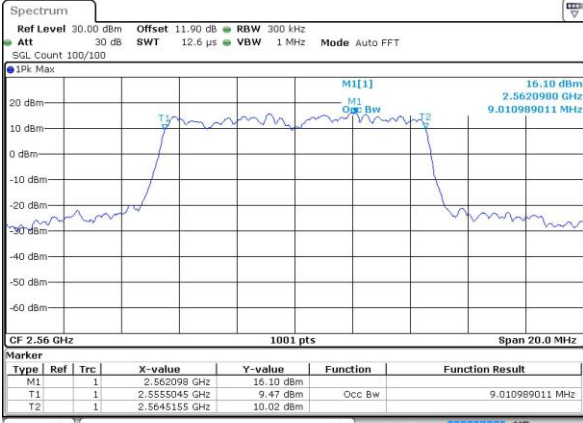


Date: 14.OCT.2016 20:33:22



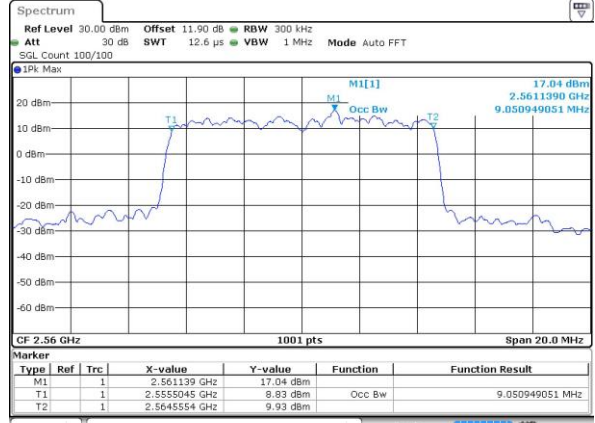
LTE Band 41

Lowest Channel / 10MHz / QPSK



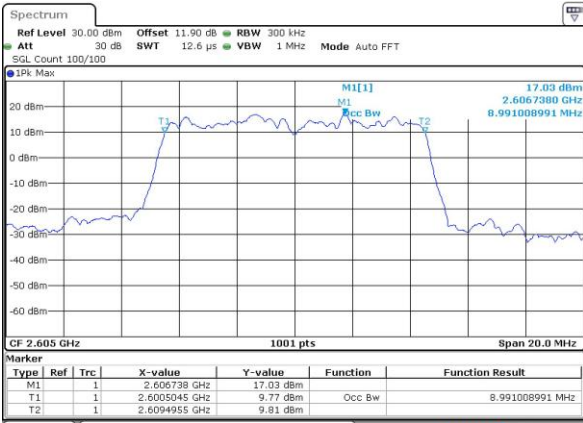
Date: 14.OCT.2016 20:33:53

Lowest Channel / 10MHz / 16QAM



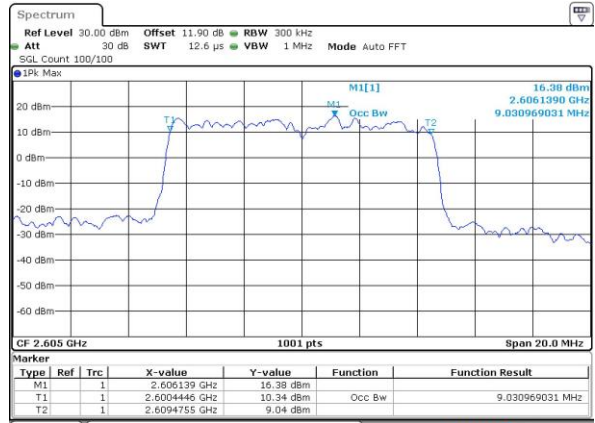
Date: 14.OCT.2016 20:34:03

Middle Channel / 10MHz / QPSK



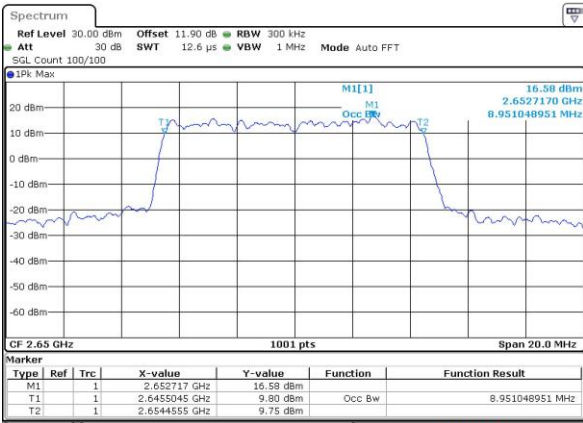
Date: 14.OCT.2016 20:34:34

Middle Channel / 10MHz / 16QAM



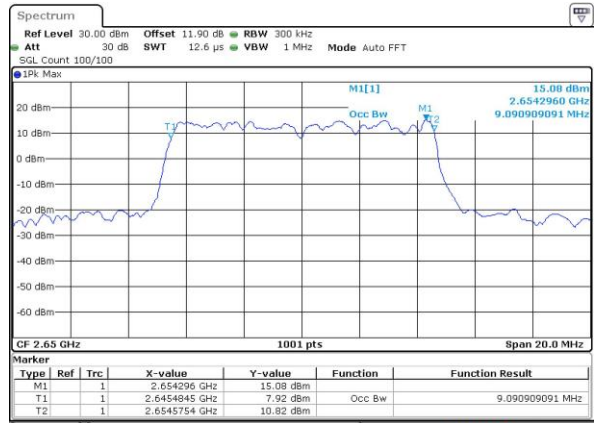
Date: 14.OCT.2016 20:34:45

Highest Channel / 10MHz / QPSK



Date: 14.OCT.2016 20:35:16

Highest Channel / 10MHz / 16QAM

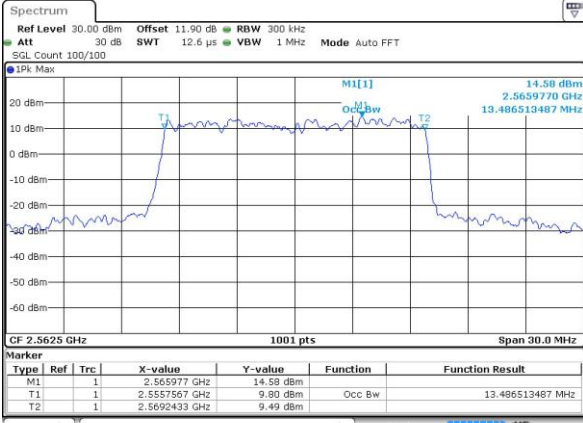


Date: 14.OCT.2016 20:35:26



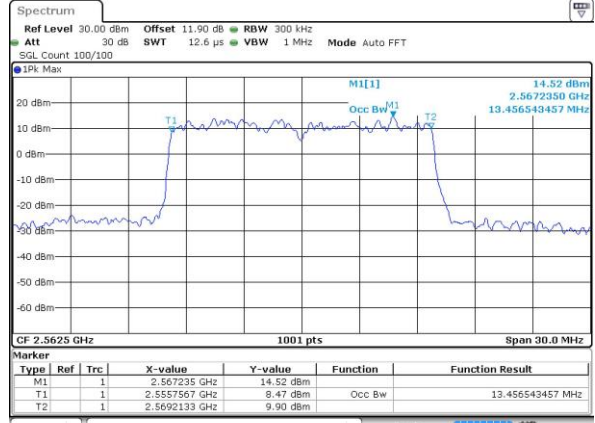
LTE Band 41

Lowest Channel / 15MHz / QPSK



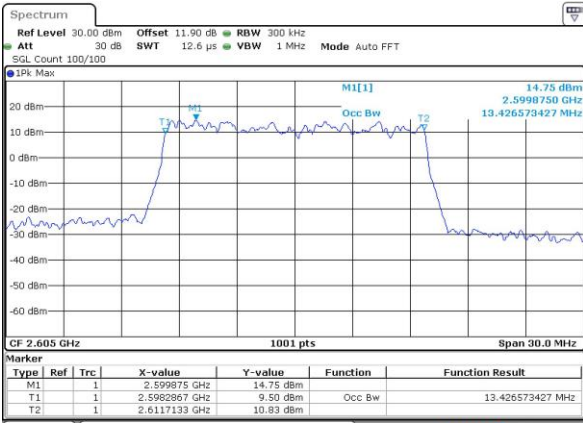
Date: 14.OCT.2016 20:35:58

Lowest Channel / 15MHz / 16QAM



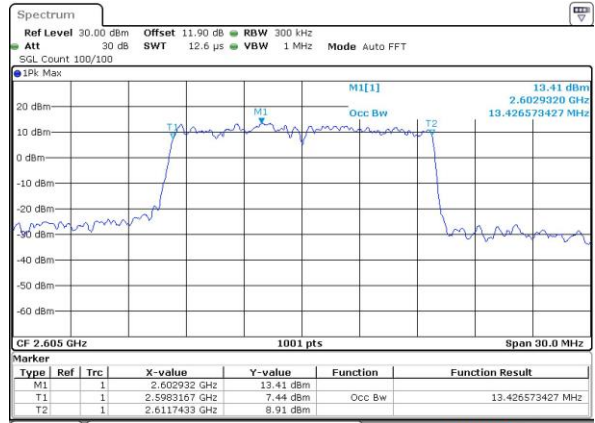
Date: 14.OCT.2016 20:36:08

Middle Channel / 15MHz / QPSK



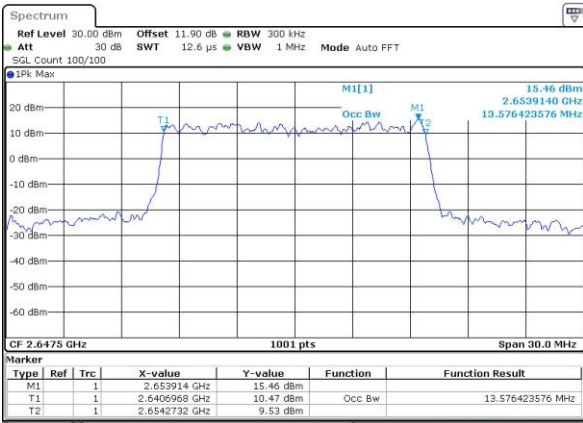
Date: 14.OCT.2016 20:36:39

Middle Channel / 15MHz / 16QAM



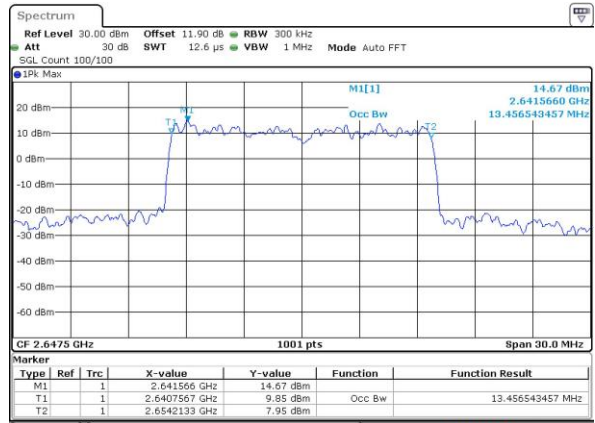
Date: 14.OCT.2016 20:36:49

Highest Channel / 15MHz / QPSK



Date: 14.OCT.2016 20:37:20

Highest Channel / 15MHz / 16QAM



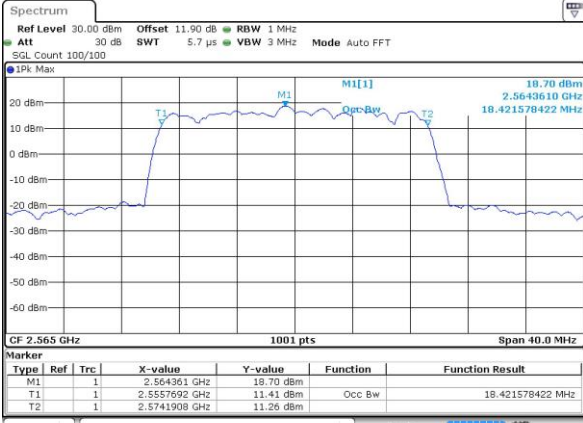
Date: 14.OCT.2016 20:37:31





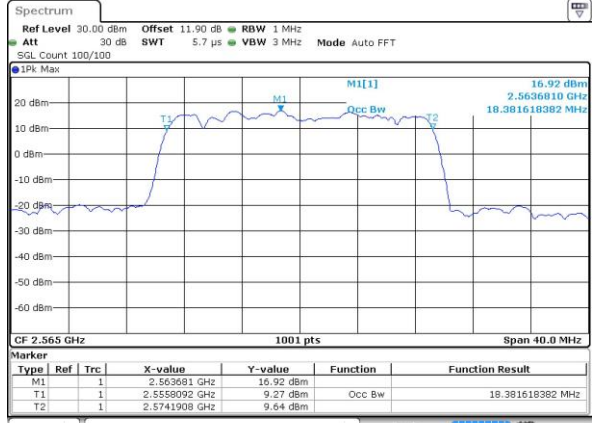
LTE Band 41

Lowest Channel / 20MHz / QPSK



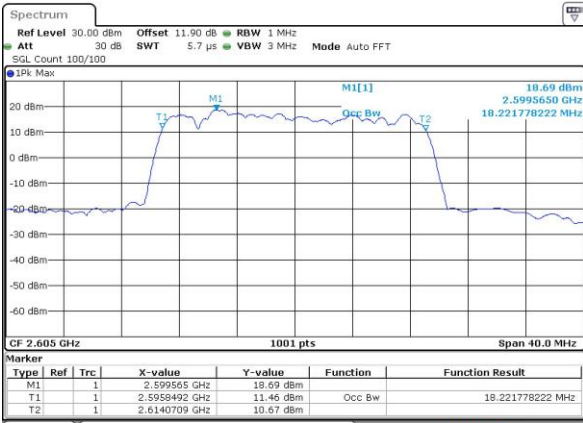
Date: 14.OCT.2016 20:38:02

Lowest Channel / 20MHz / 16QAM



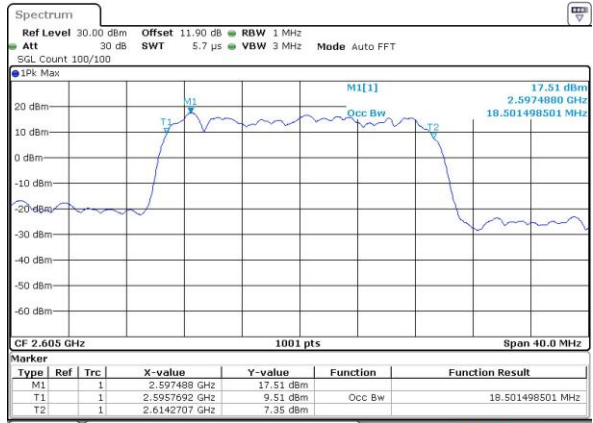
Date: 14.OCT.2016 20:38:12

Middle Channel / 20MHz / QPSK



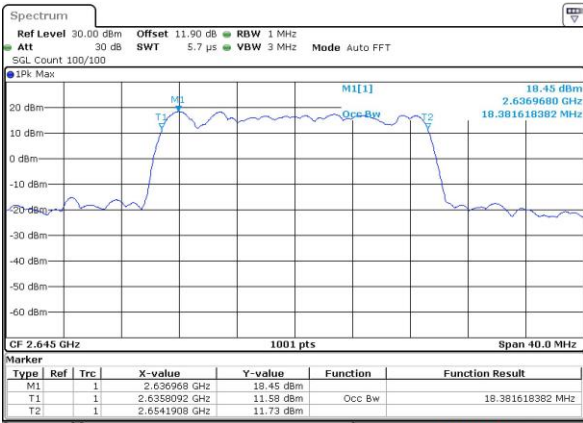
Date: 14.OCT.2016 20:38:43

Middle Channel / 20MHz / 16QAM



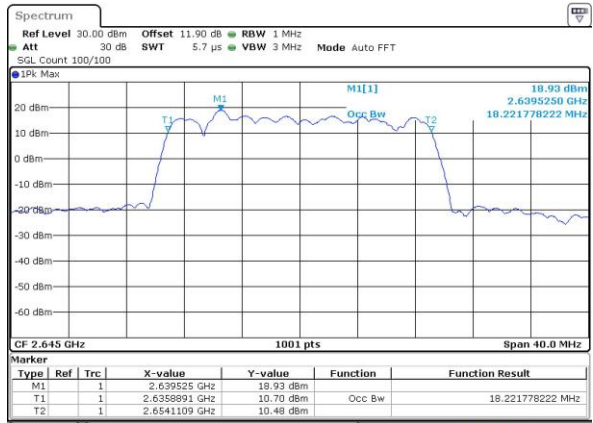
Date: 14.OCT.2016 20:38:54

Highest Channel / 20MHz / QPSK



Date: 14.OCT.2016 20:39:25

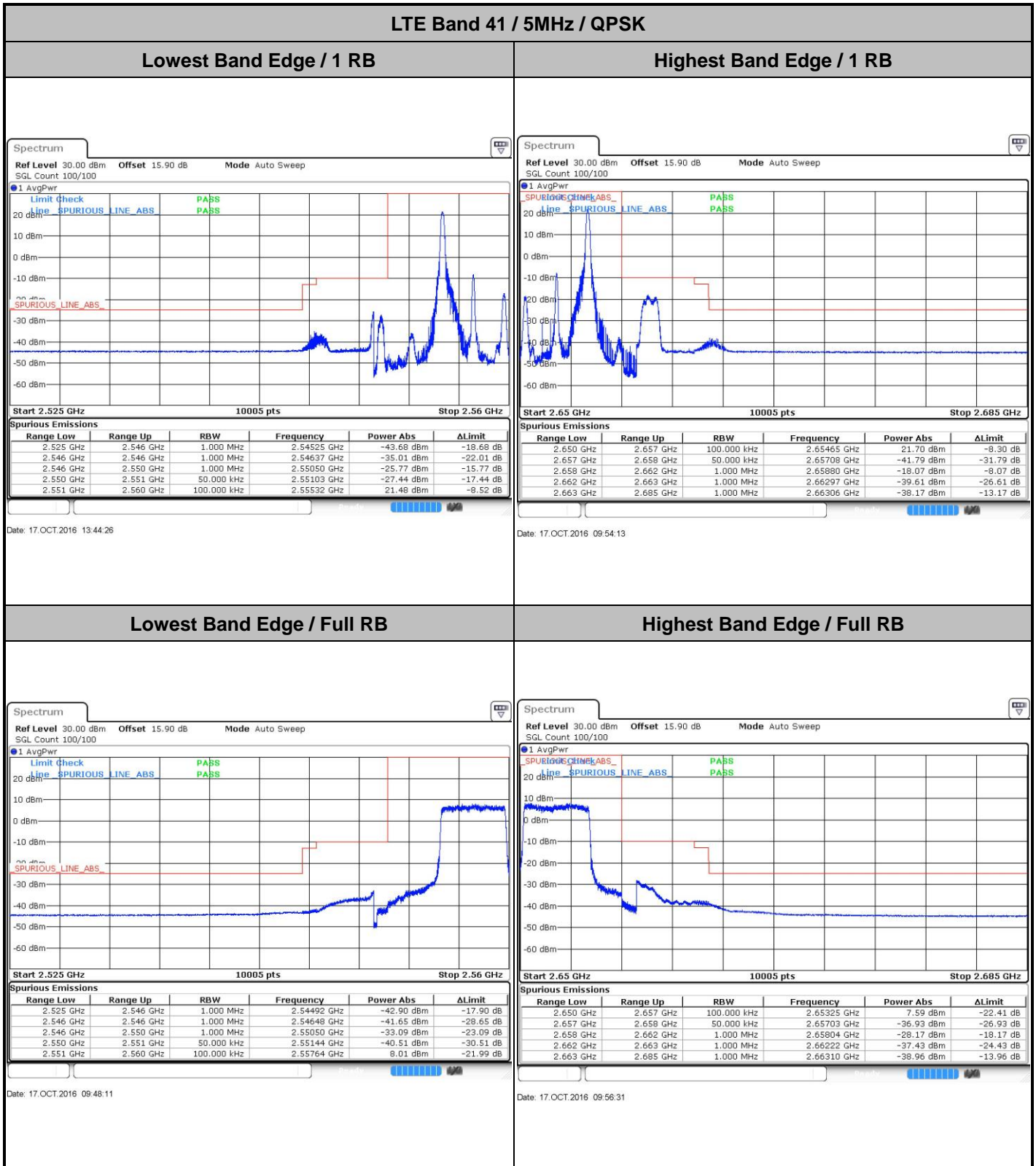
Highest Channel / 20MHz / 16QAM



Date: 14.OCT.2016 20:39:35



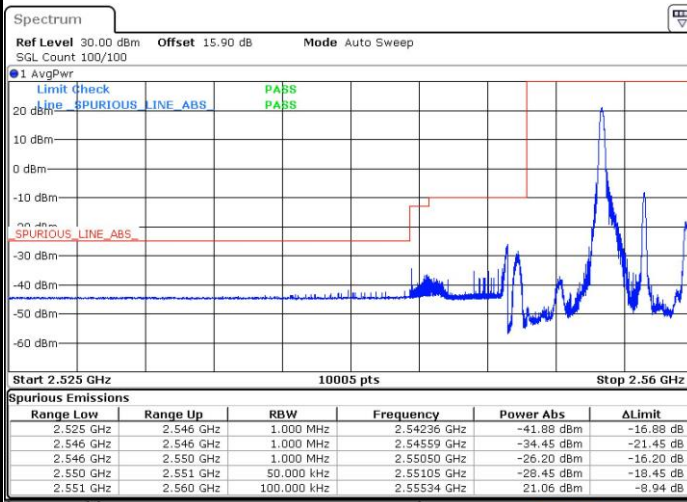
# Conducted Band Edge





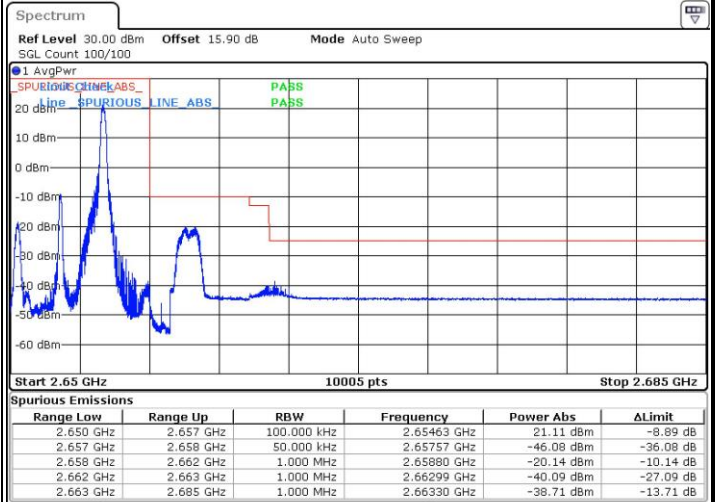
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



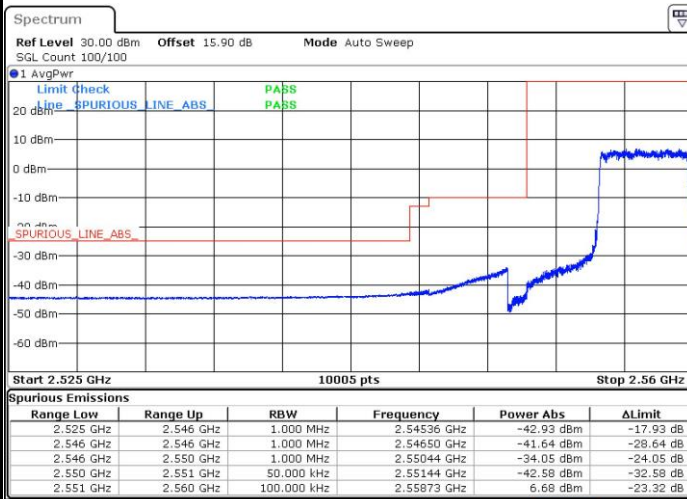
Date: 17.OCT.2016 09:47:02

Highest Band Edge / 1 RB



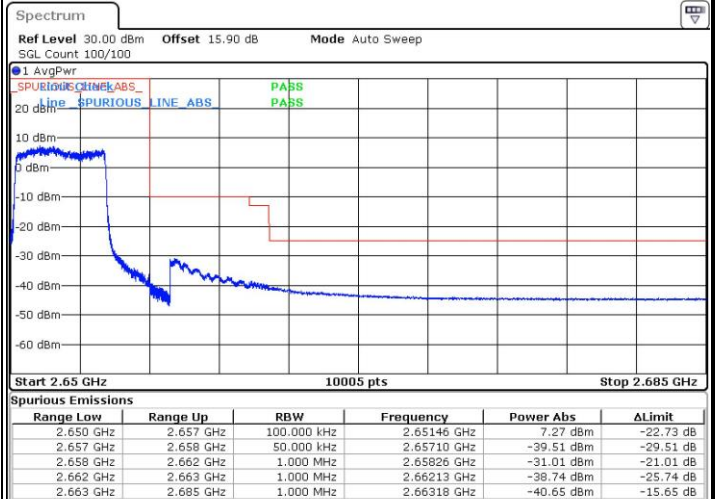
Date: 17.OCT.2016 09:55:22

Lowest Band Edge / Full RB



Date: 17.OCT.2016 09:49:21

Highest Band Edge / Full RB



Date: 17.OCT.2016 09:57:41