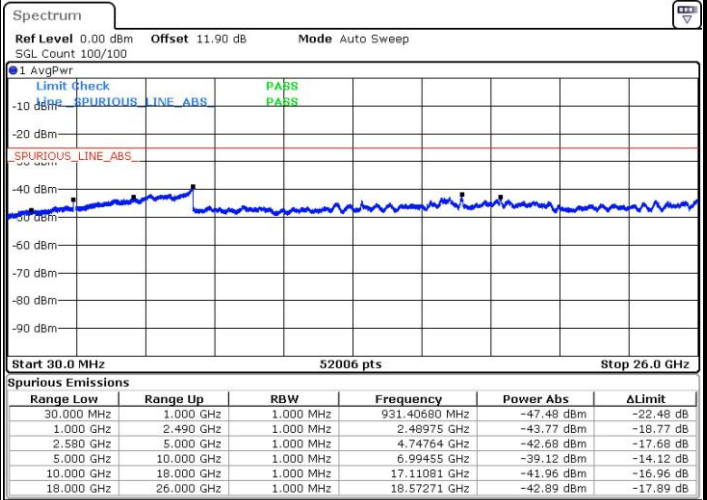
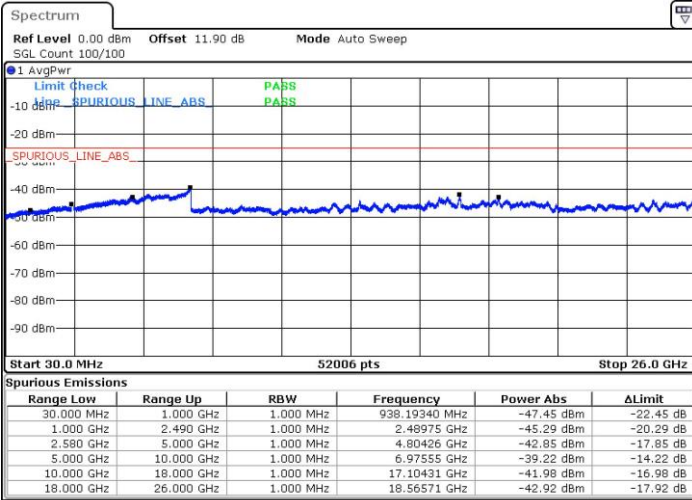




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

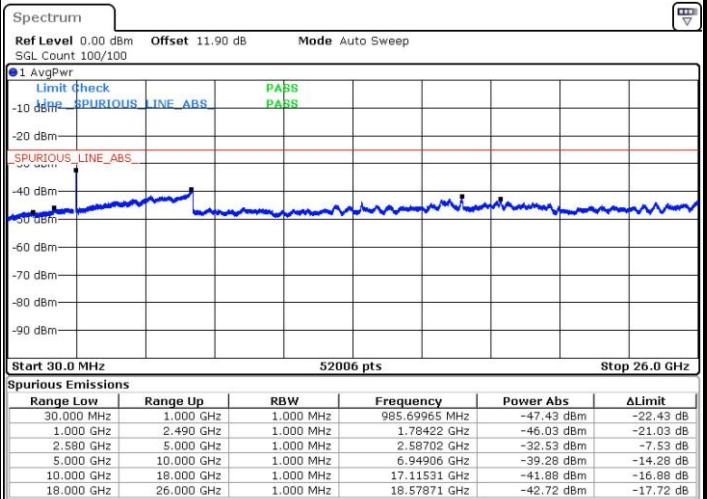
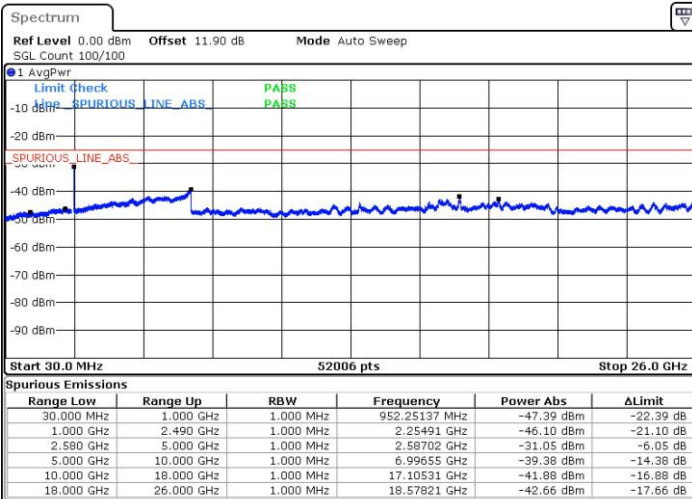


Date: 8.OCT.2016 11:51:13

Date: 8.OCT.2016 11:52:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.OCT.2016 11:58:36

Date: 8.OCT.2016 11:59:34



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	0.0131	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

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

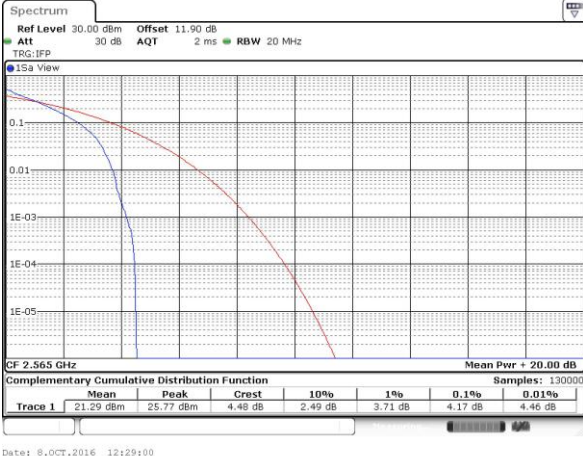
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.17	5.28	5.13	6.17	<b>PASS</b>
Middle CH	3.94	5.04	4.7	5.91	
Highest CH	3.77	4.81	4.72	5.77	



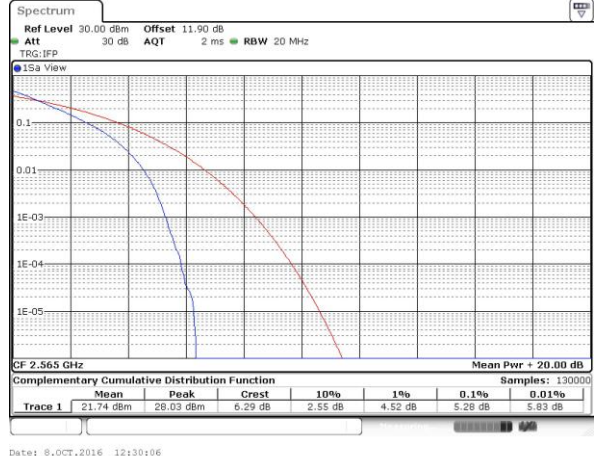
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



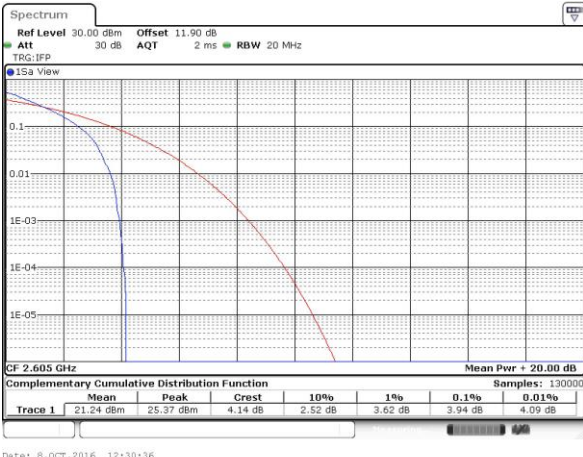
Date: 8.OCT.2016 12:29:00

Lowest Channel / Full RB



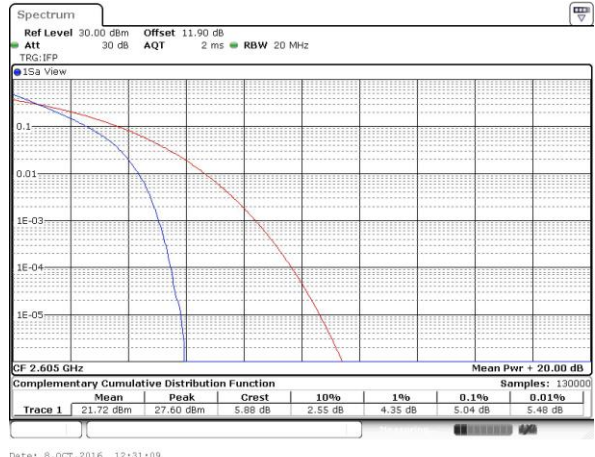
Date: 8.OCT.2016 12:30:06

Middle Channel / 1RB



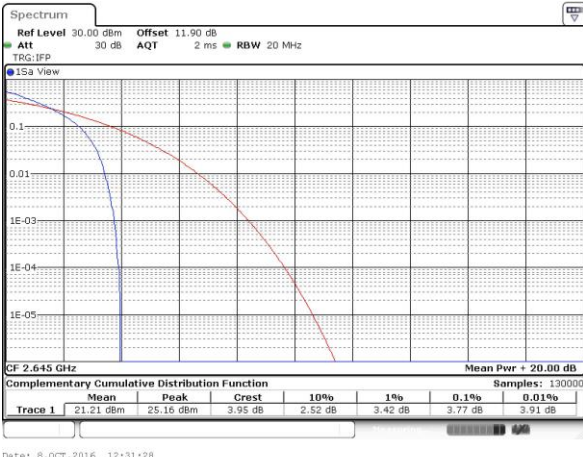
Date: 8.OCT.2016 12:30:36

Middle Channel / Full RB



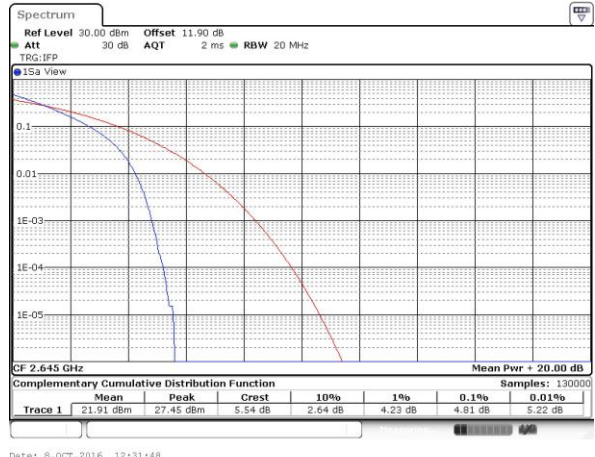
Date: 8.OCT.2016 12:31:09

Highest Channel / 1RB



Date: 8.OCT.2016 12:31:28

Highest Channel / Full RB

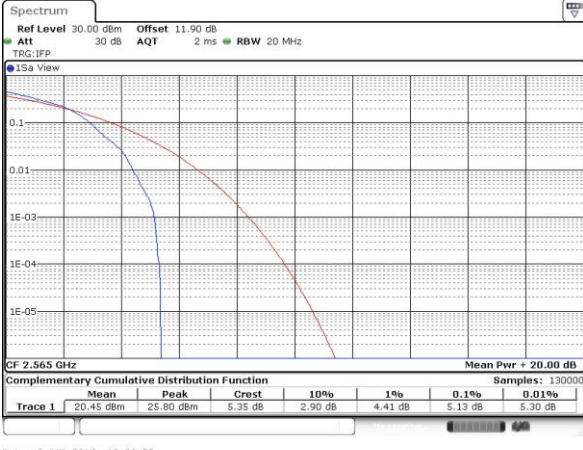


Date: 8.OCT.2016 12:31:48



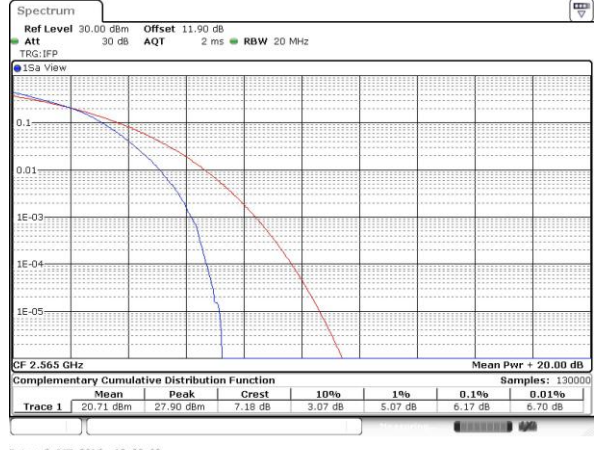
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



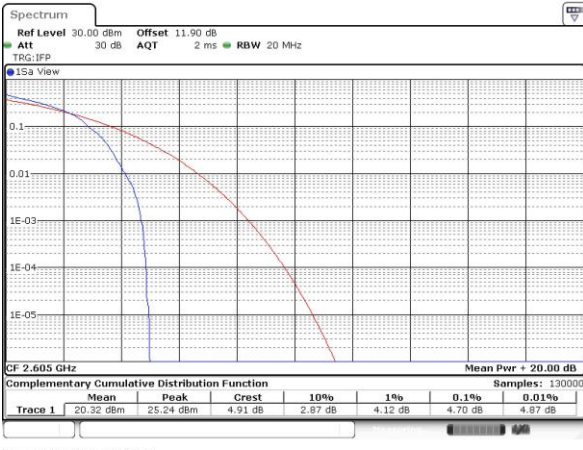
Date: 8.OCT.2016 12:20:58

Lowest Channel / Full RB



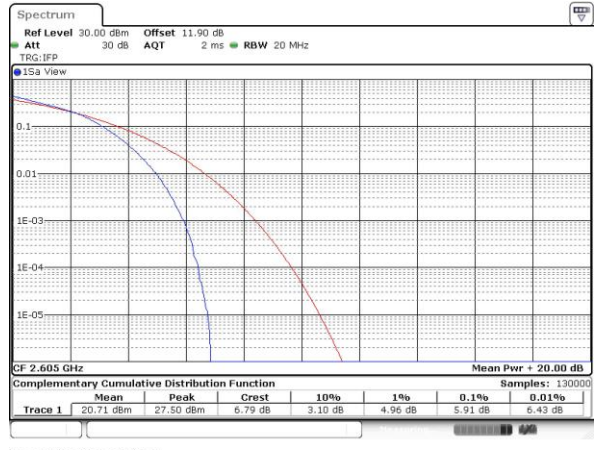
Date: 8.OCT.2016 12:22:03

Middle Channel / 1RB



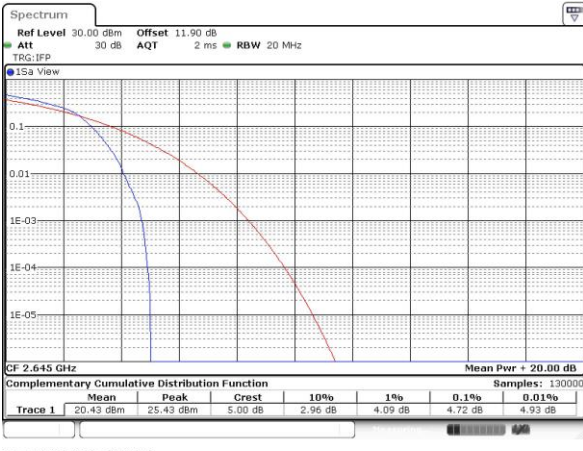
Date: 8.OCT.2016 12:23:20

Middle Channel / Full RB



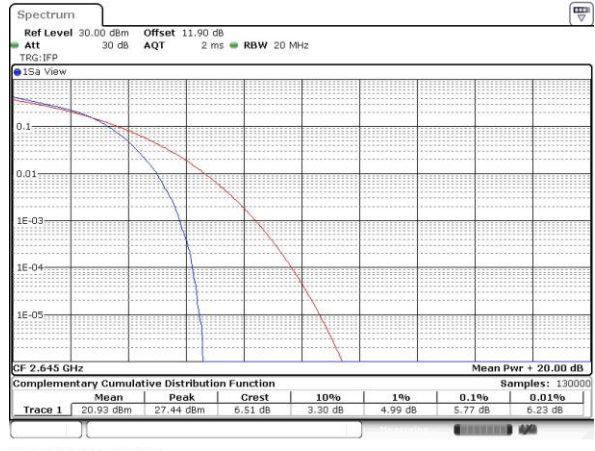
Date: 8.OCT.2016 12:23:49

Highest Channel / 1RB



Date: 8.OCT.2016 12:25:01

Highest Channel / Full RB



Date: 8.OCT.2016 12:26:07



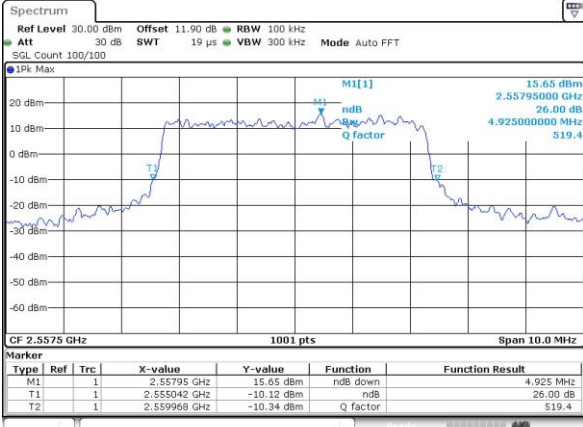
**26dB Bandwidth**

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
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.925	4.775	9.71	9.73	14.236	14.476	20.22	20.1
Middle CH	-	-	-	-	5.055	4.995	9.71	9.69	14.356	14.386	20.1	20.22
Highest CH	-	-	-	-	5.145	4.945	9.87	9.89	14.565	14.565	20.22	20.02



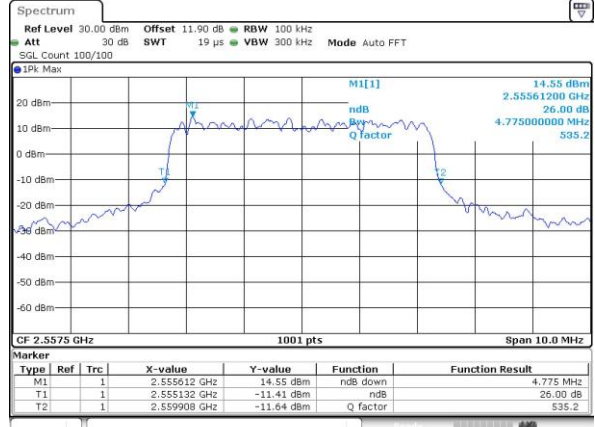
LTE Band 41

Lowest Channel / 5MHz / QPSK



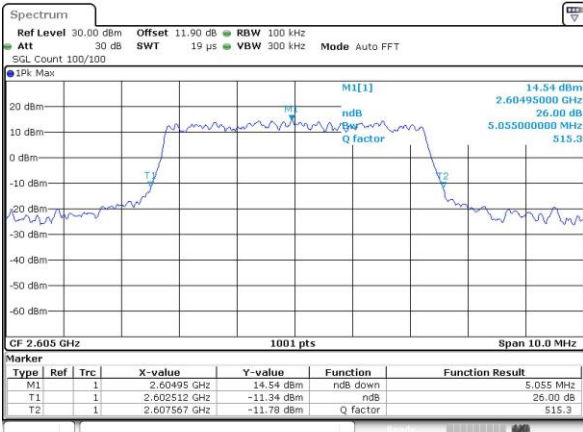
Date: 8.OCT.2016 12:10:54

Lowest Channel / 5MHz / 16QAM



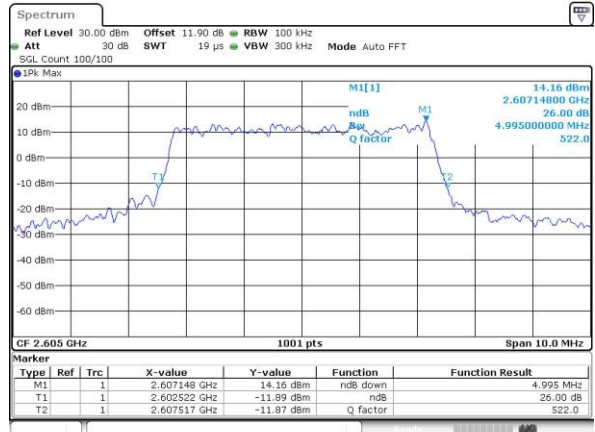
Date: 8.OCT.2016 12:10:06

Middle Channel / 5MHz / QPSK



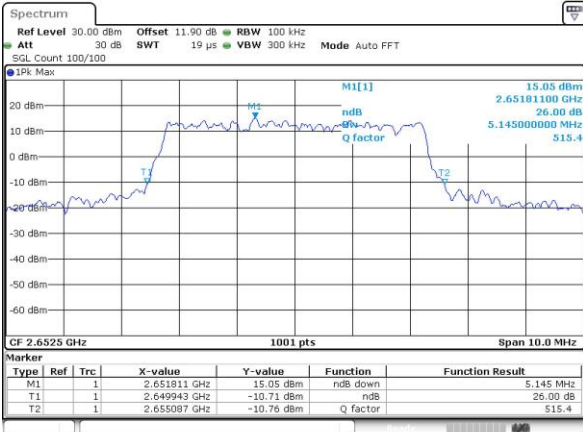
Date: 8.OCT.2016 12:10:41

Middle Channel / 5MHz / 16QAM



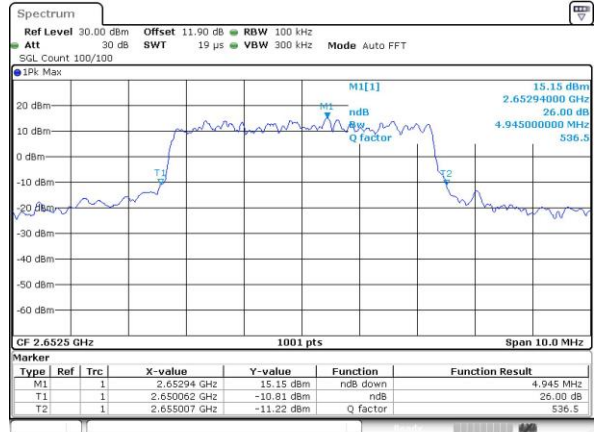
Date: 8.OCT.2016 12:10:53

Highest Channel / 5MHz / QPSK



Date: 8.OCT.2016 12:11:28

Highest Channel / 5MHz / 16QAM

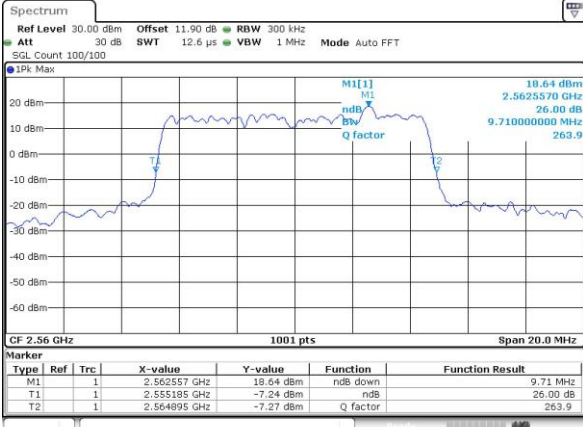


Date: 8.OCT.2016 12:11:40



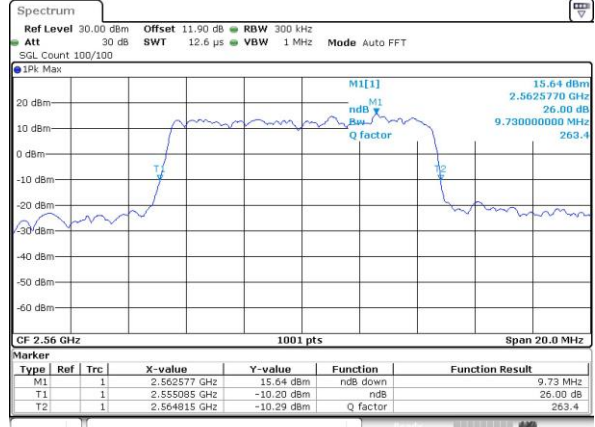
LTE Band 41

Lowest Channel / 10MHz / QPSK



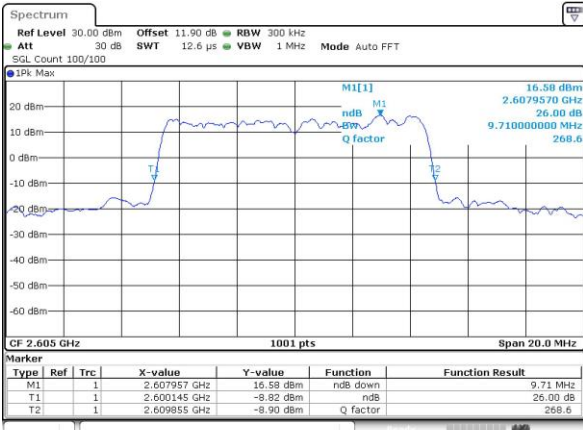
Date: 8.OCT.2016 12:12:15

Lowest Channel / 10MHz / 16QAM



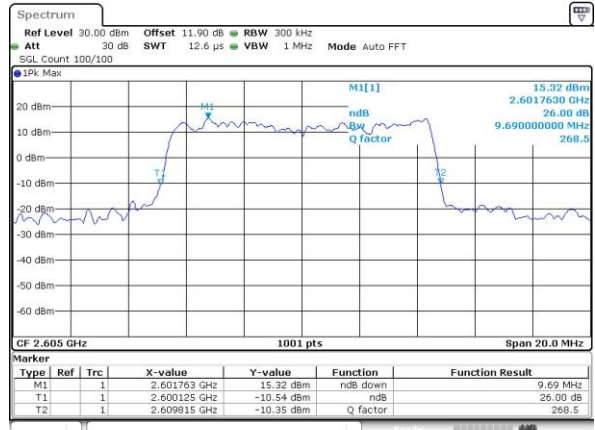
Date: 8.OCT.2016 12:12:27

Middle Channel / 10MHz / QPSK



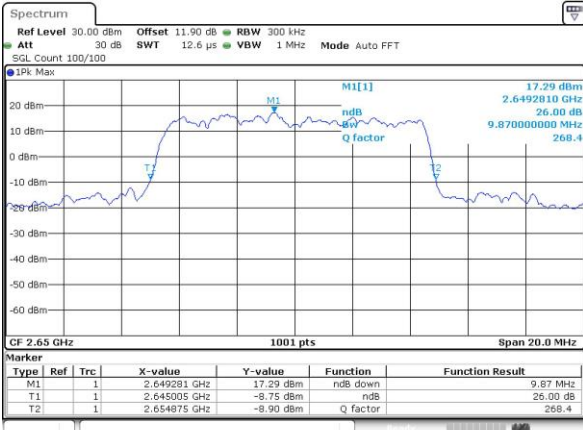
Date: 8.OCT.2016 12:13:02

Middle Channel / 10MHz / 16QAM



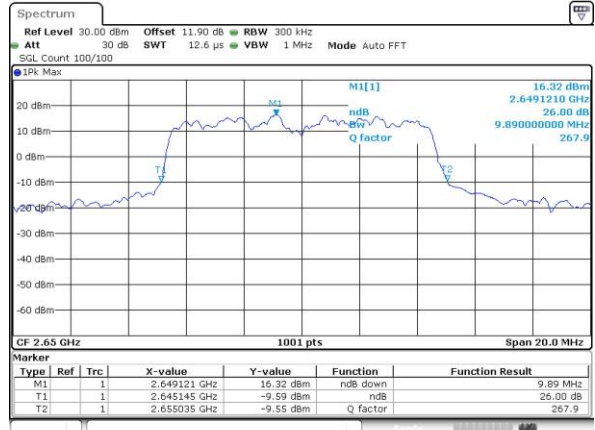
Date: 8.OCT.2016 12:13:14

Highest Channel / 10MHz / QPSK



Date: 8.OCT.2016 12:13:49

Highest Channel / 10MHz / 16QAM



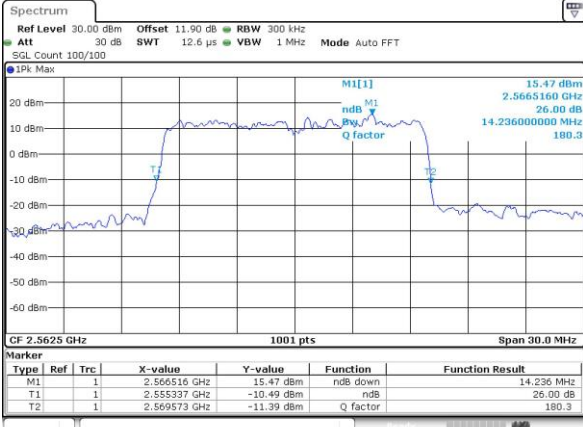
Date: 8.OCT.2016 12:14:01





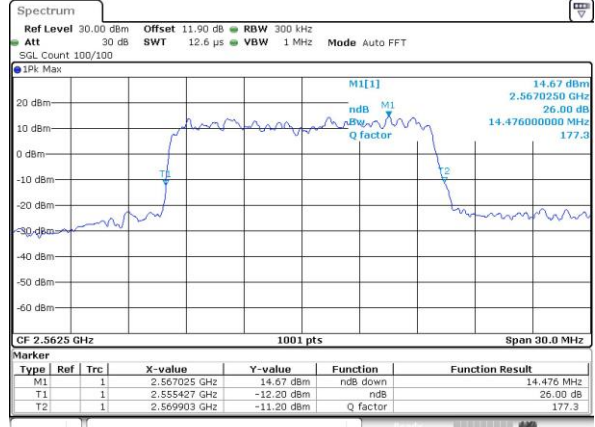
LTE Band 41

Lowest Channel / 15MHz / QPSK



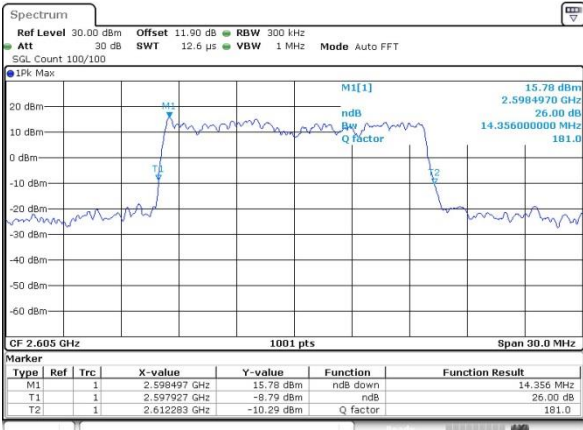
Date: 8.OCT.2016 12:14:57

Lowest Channel / 15MHz / 16QAM



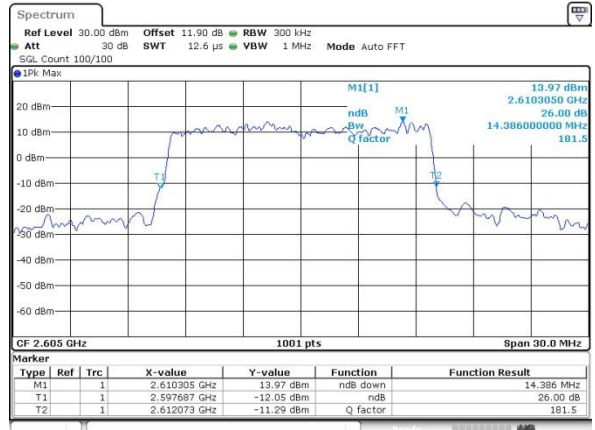
Date: 8.OCT.2016 12:15:09

Middle Channel / 15MHz / QPSK



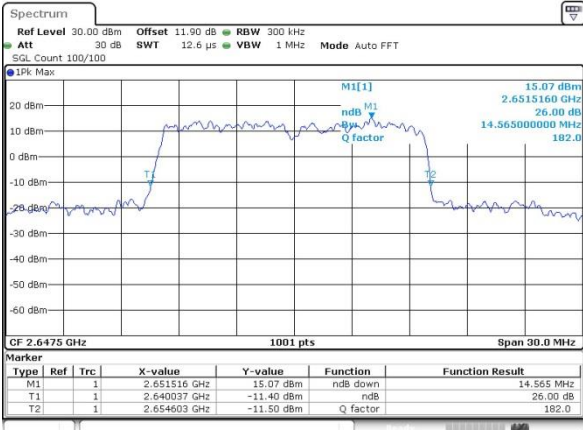
Date: 8.OCT.2016 12:15:44

Middle Channel / 15MHz / 16QAM



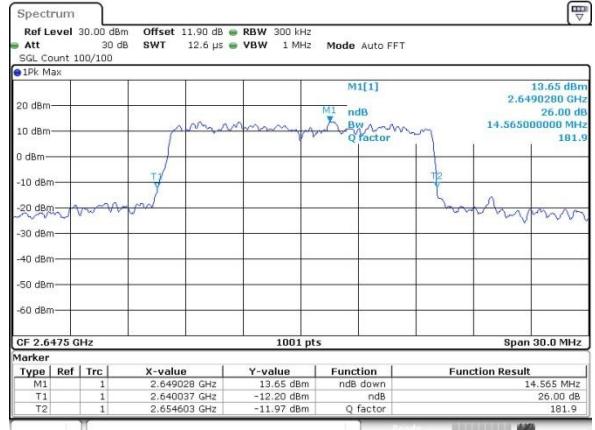
Date: 8.OCT.2016 12:15:56

Highest Channel / 15MHz / QPSK



Date: 8.OCT.2016 12:16:31

Highest Channel / 15MHz / 16QAM

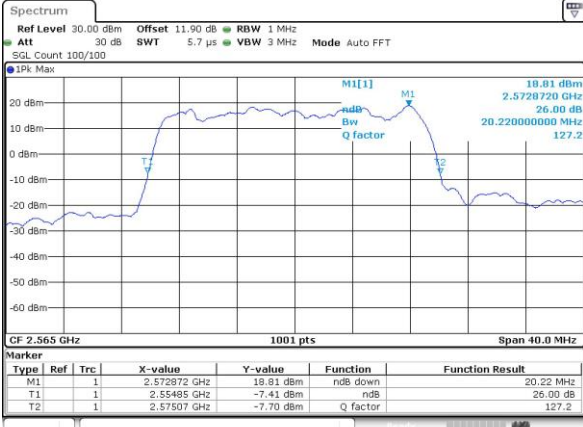


Date: 8.OCT.2016 12:16:43



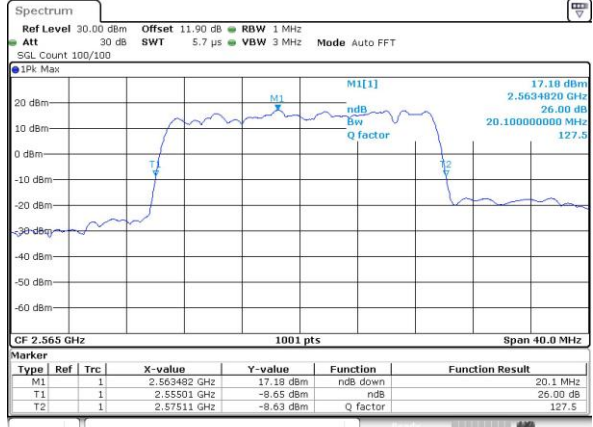
LTE Band 41

Lowest Channel / 20MHz / QPSK



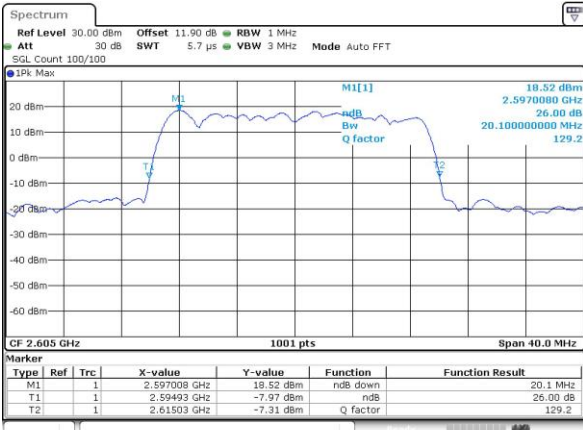
Date: 8.OCT.2016 12:17:18

Lowest Channel / 20MHz / 16QAM



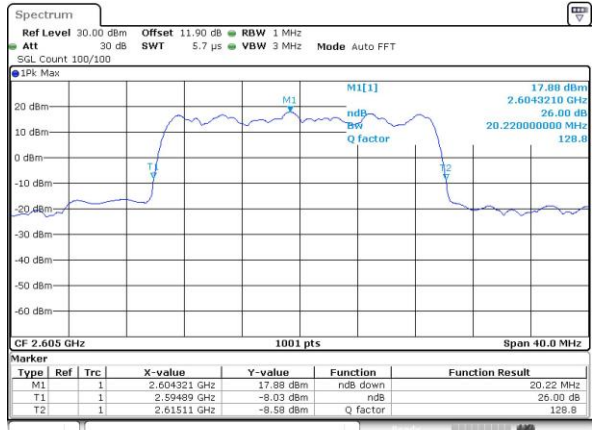
Date: 8.OCT.2016 12:17:30

Middle Channel / 20MHz / QPSK



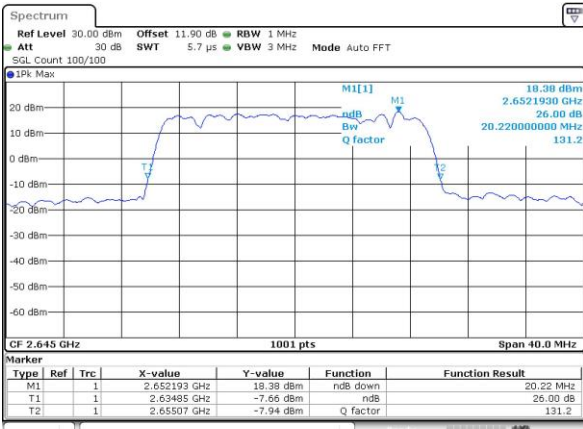
Date: 8.OCT.2016 12:18:05

Middle Channel / 20MHz / 16QAM



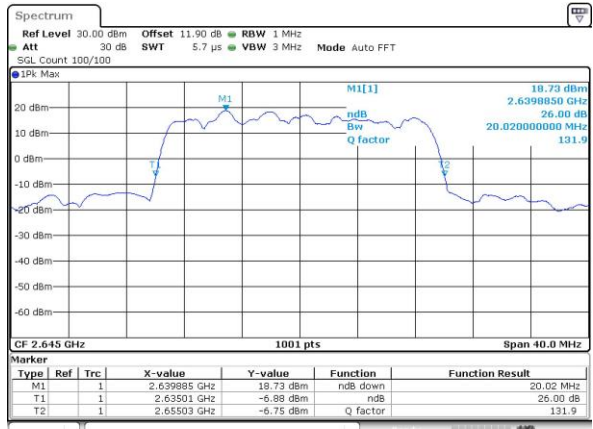
Date: 8.OCT.2016 12:18:17

Highest Channel / 20MHz / QPSK



Date: 8.OCT.2016 12:18:53

Highest Channel / 20MHz / 16QAM



Date: 8.OCT.2016 12:19:05



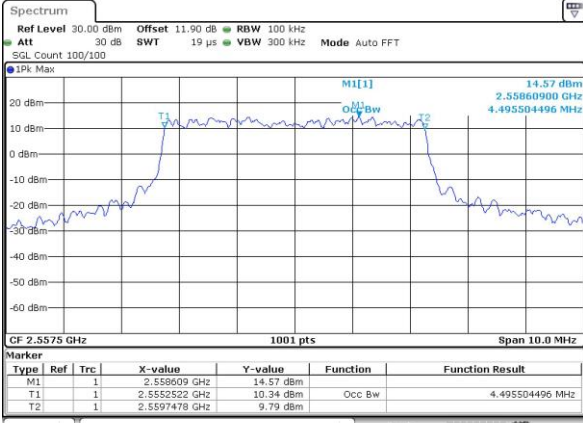
**Occupied Bandwidth**

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	-	-	-	-	4.5	4.52	9.11	9.07	13.52	13.52	18.42	18.3
Middle CH	-	-	-	-	4.48	4.5	8.95	9.07	13.46	13.46	18.46	18.54
Highest CH	-	-	-	-	4.49	4.49	9.11	8.99	13.55	13.49	18.18	18.3



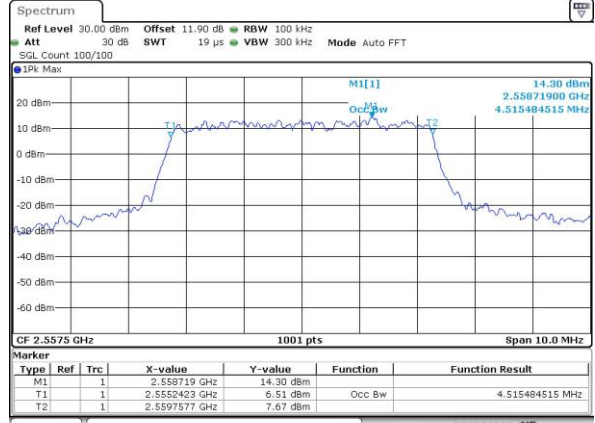
LTE Band 41

Lowest Channel / 5MHz / QPSK



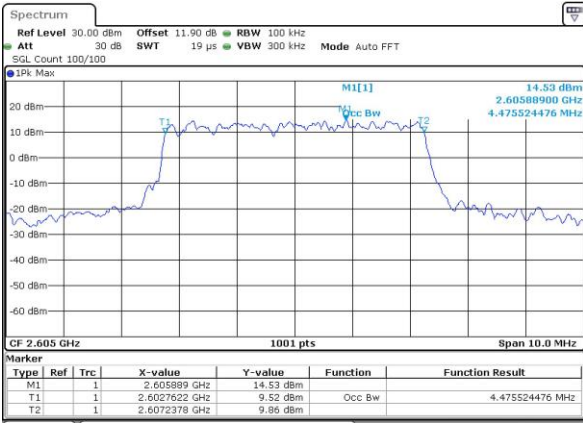
Date: 8.OCT.2016 12:09:31

Lowest Channel / 5MHz / 16QAM



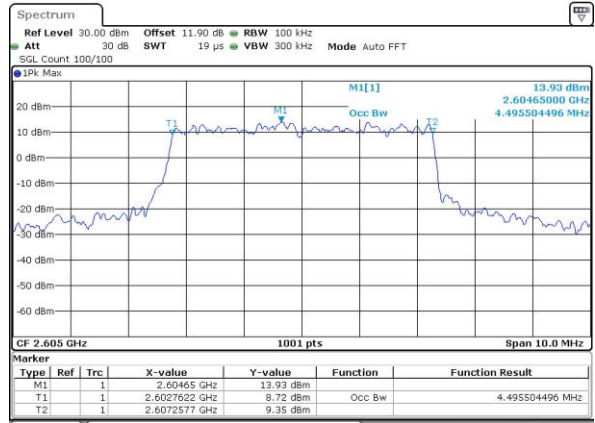
Date: 8.OCT.2016 12:09:43

Middle Channel / 5MHz / QPSK



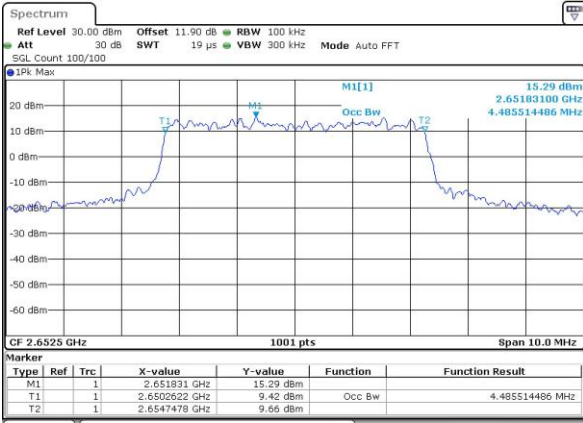
Date: 8.OCT.2016 12:10:18

Middle Channel / 5MHz / 16QAM



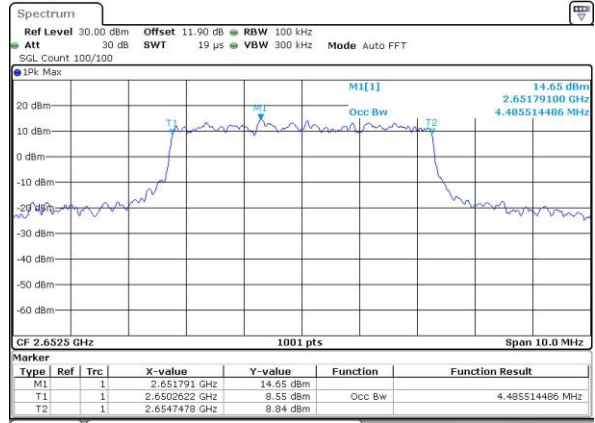
Date: 8.OCT.2016 12:10:29

Highest Channel / 5MHz / QPSK



Date: 8.OCT.2016 12:11:05

Highest Channel / 5MHz / 16QAM

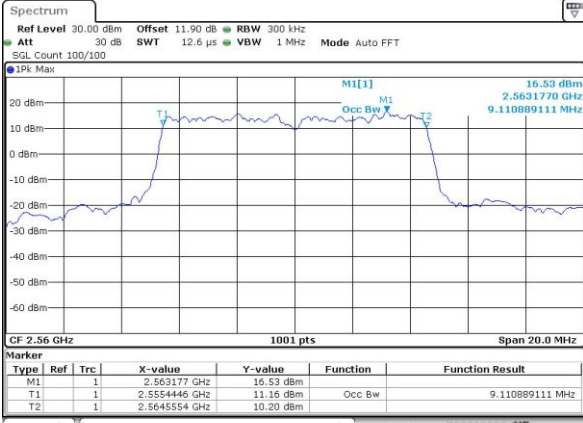


Date: 8.OCT.2016 12:11:17



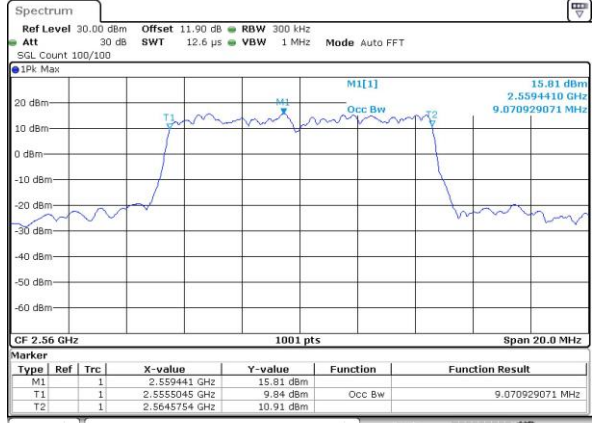
LTE Band 41

Lowest Channel / 10MHz / QPSK



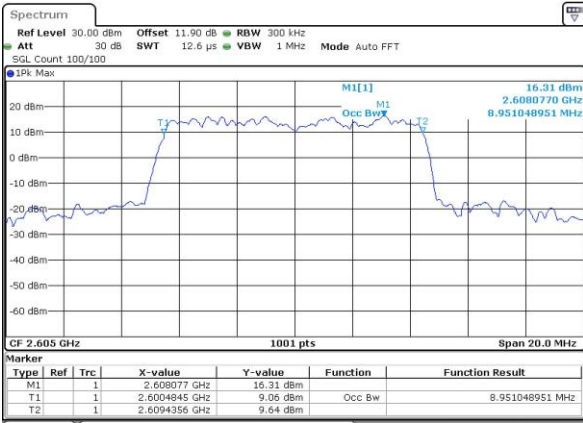
Date: 8.OCT.2016 12:11:52

Lowest Channel / 10MHz / 16QAM



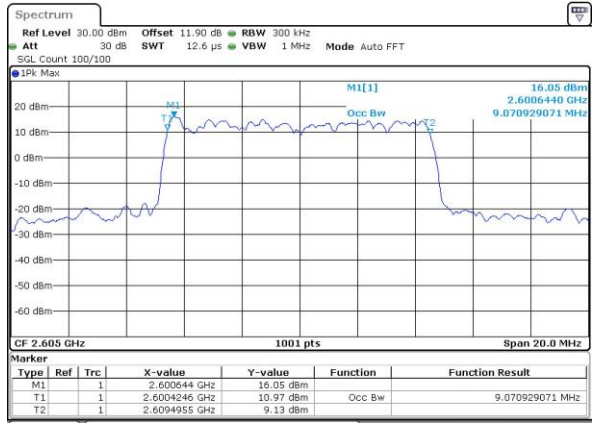
Date: 8.OCT.2016 12:12:04

Middle Channel / 10MHz / QPSK



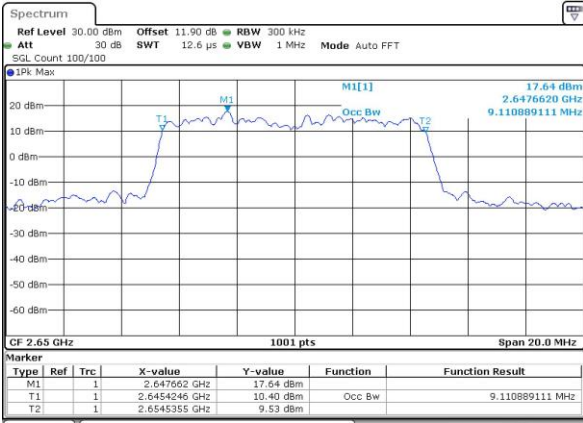
Date: 8.OCT.2016 12:12:39

Middle Channel / 10MHz / 16QAM



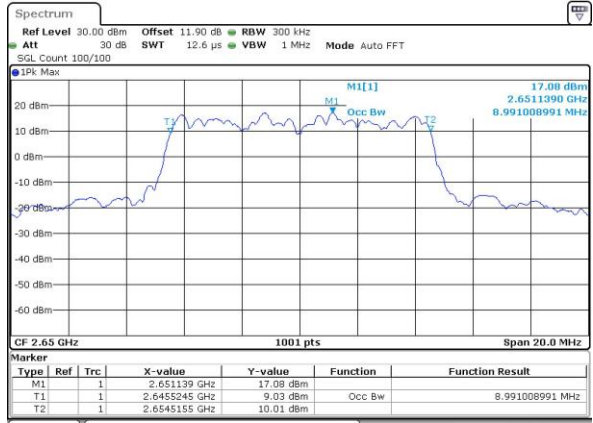
Date: 8.OCT.2016 12:12:50

Highest Channel / 10MHz / QPSK



Date: 8.OCT.2016 12:13:26

Highest Channel / 10MHz / 16QAM

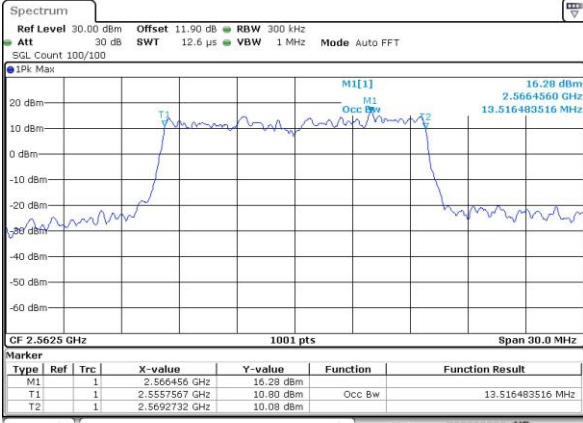


Date: 8.OCT.2016 12:13:37



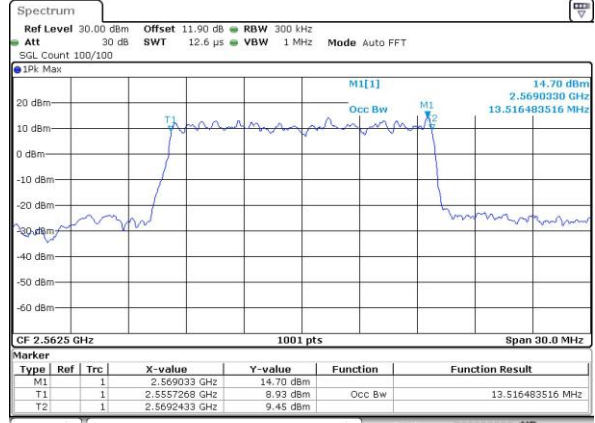
LTE Band 41

Lowest Channel / 15MHz / QPSK



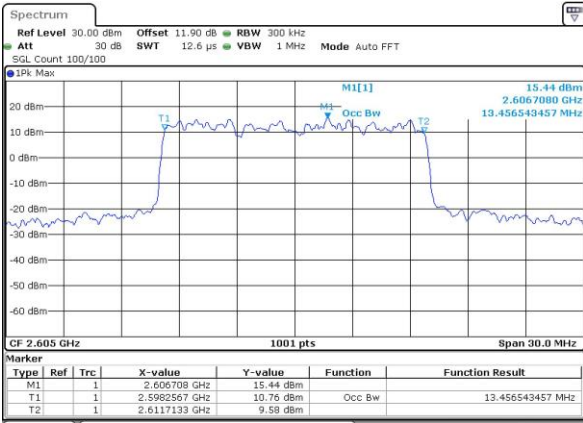
Date: 8.OCT.2016 12:14:34

Lowest Channel / 15MHz / 16QAM



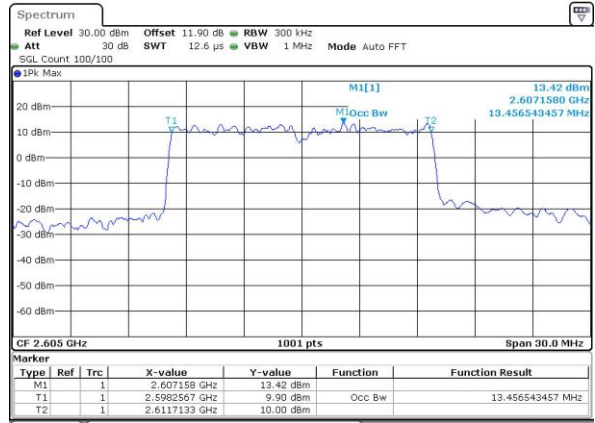
Date: 8.OCT.2016 12:14:46

Middle Channel / 15MHz / QPSK



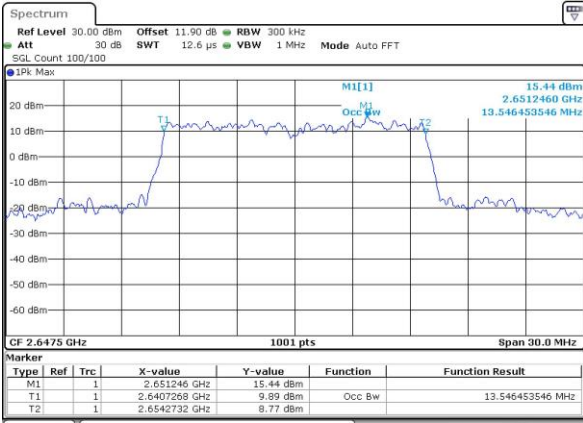
Date: 8.OCT.2016 12:15:21

Middle Channel / 15MHz / 16QAM



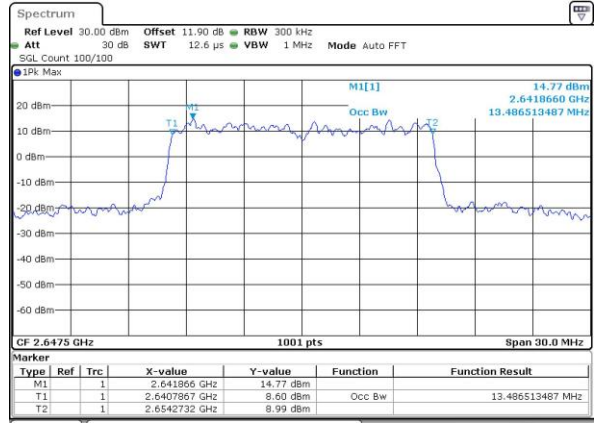
Date: 8.OCT.2016 12:15:32

Highest Channel / 15MHz / QPSK



Date: 8.OCT.2016 12:16:08

Highest Channel / 15MHz / 16QAM

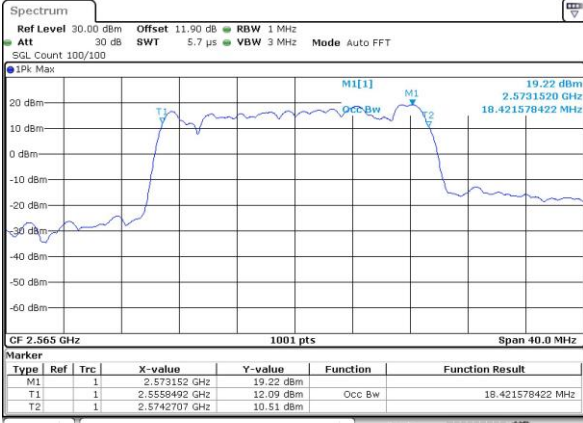


Date: 8.OCT.2016 12:16:19



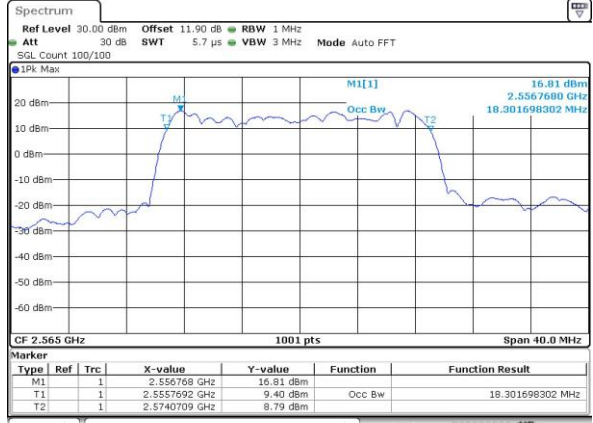
LTE Band 41

Lowest Channel / 20MHz / QPSK



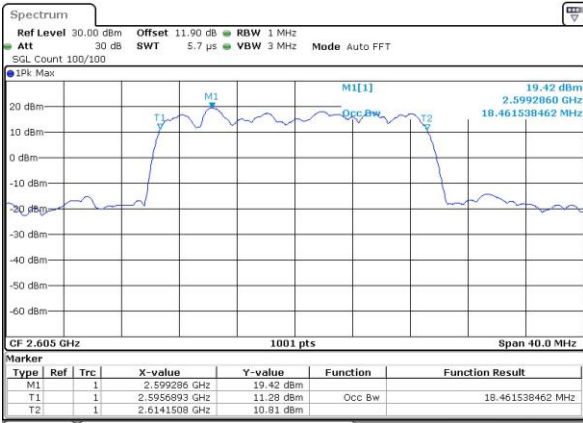
Date: 8.OCT.2016 12:16:55

Lowest Channel / 20MHz / 16QAM



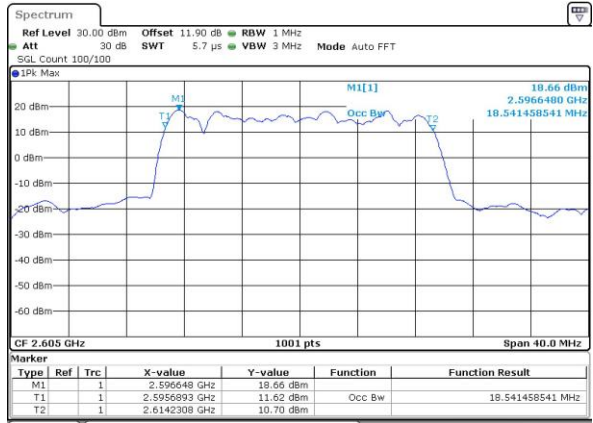
Date: 8.OCT.2016 12:17:06

Middle Channel / 20MHz / QPSK



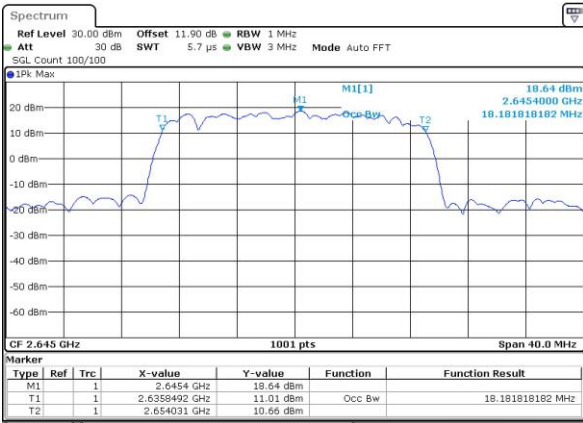
Date: 8.OCT.2016 12:17:41

Middle Channel / 20MHz / 16QAM



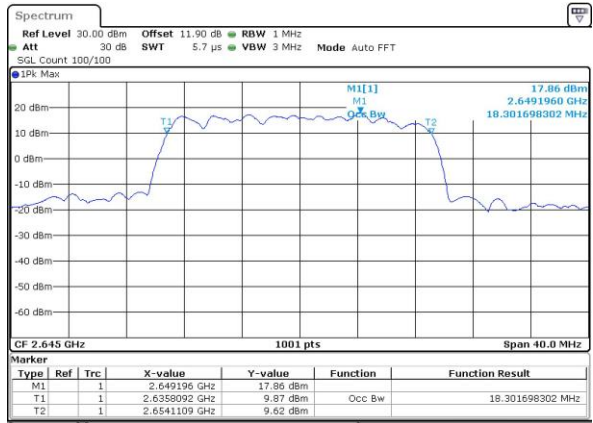
Date: 8.OCT.2016 12:17:53

Highest Channel / 20MHz / QPSK



Date: 8.OCT.2016 12:18:29

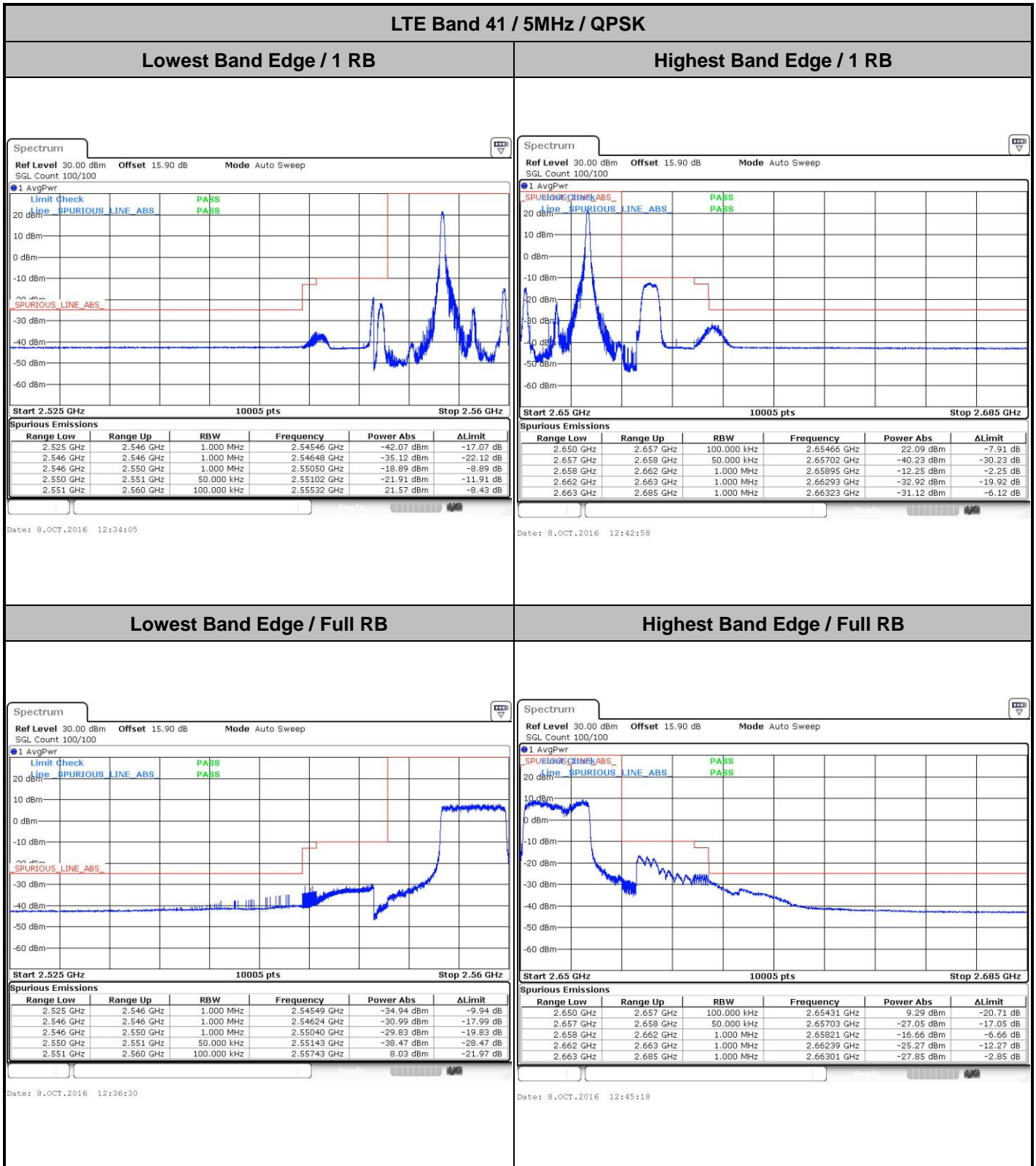
Highest Channel / 20MHz / 16QAM



Date: 8.OCT.2016 12:18:41



# Conducted Band Edge

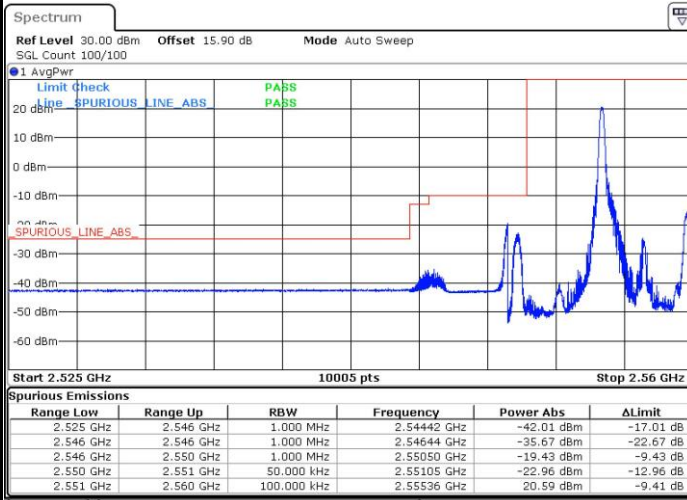






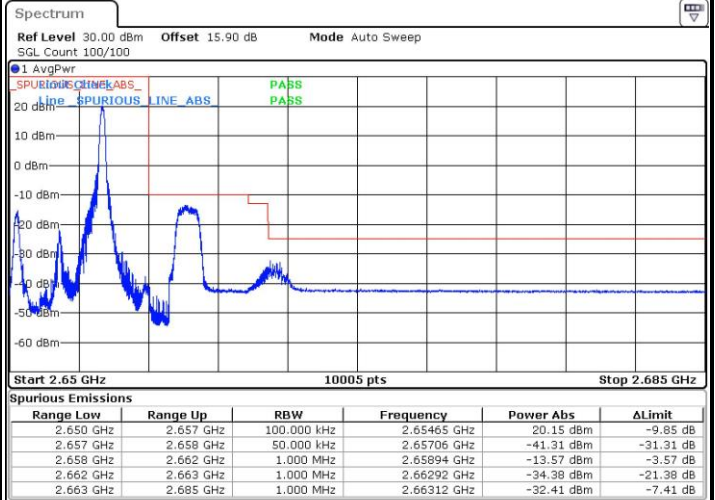
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



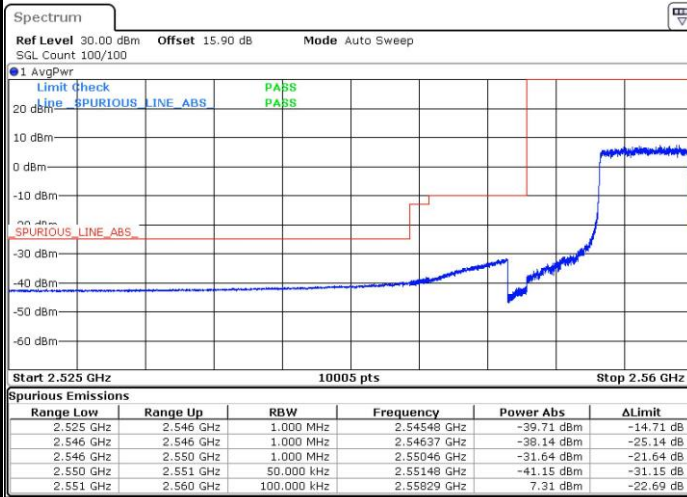
Date: 8.OCT.2016 12:35:17

Highest Band Edge / 1 RB



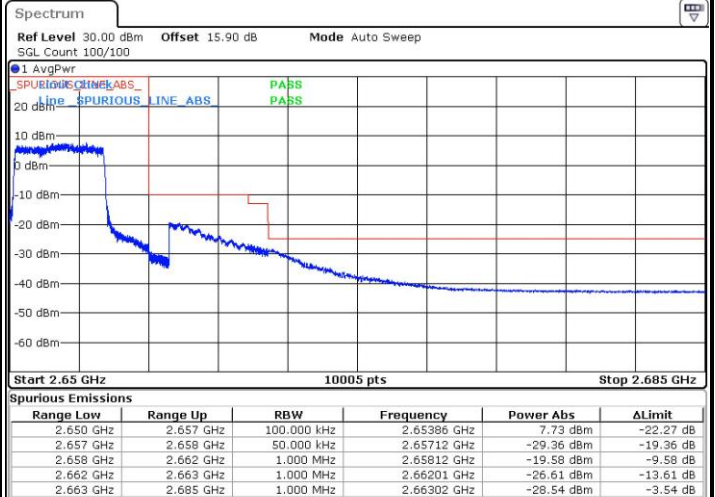
Date: 8.OCT.2016 12:44:08

Lowest Band Edge / Full RB



Date: 8.OCT.2016 12:37:42

Highest Band Edge / Full RB



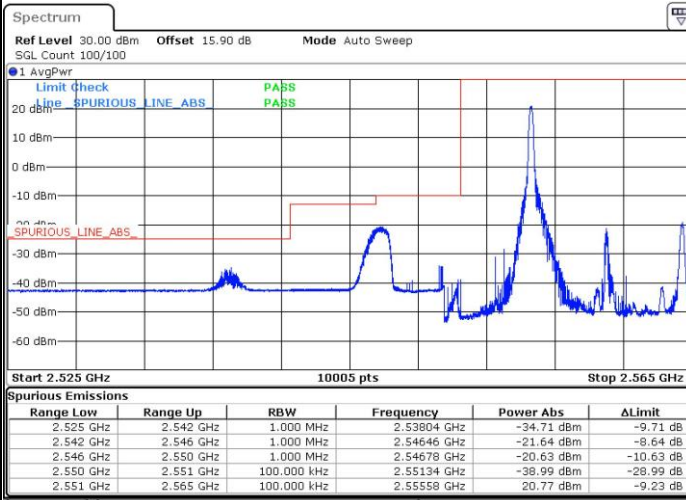
Date: 8.OCT.2016 12:46:28



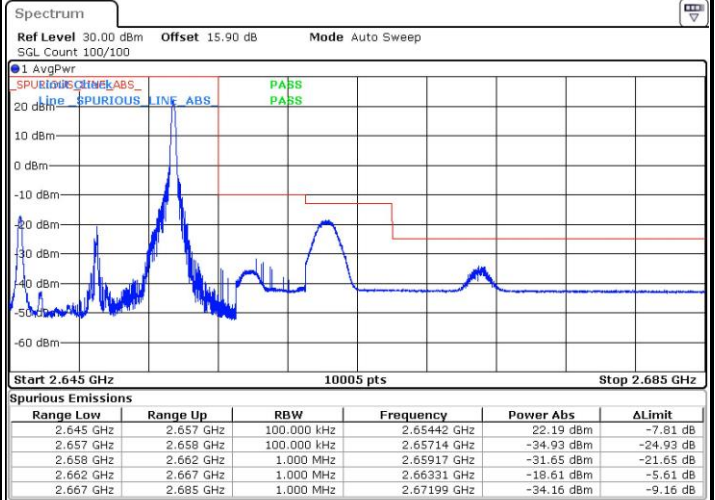
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



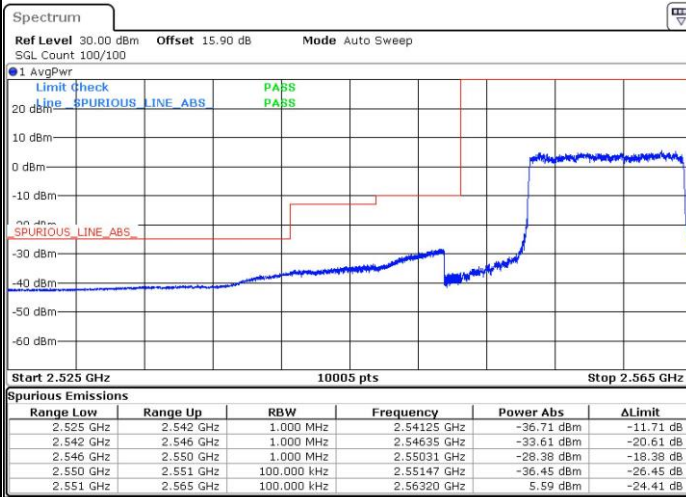
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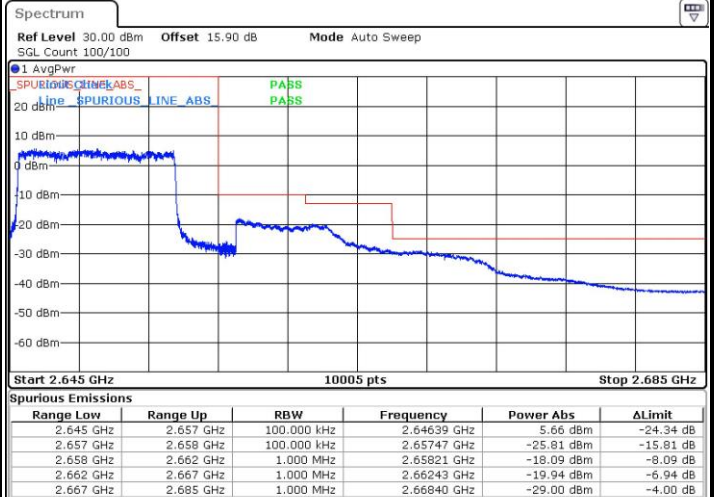
Date: 8.OCT.2016 12:58:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.OCT.2016 12:52:09

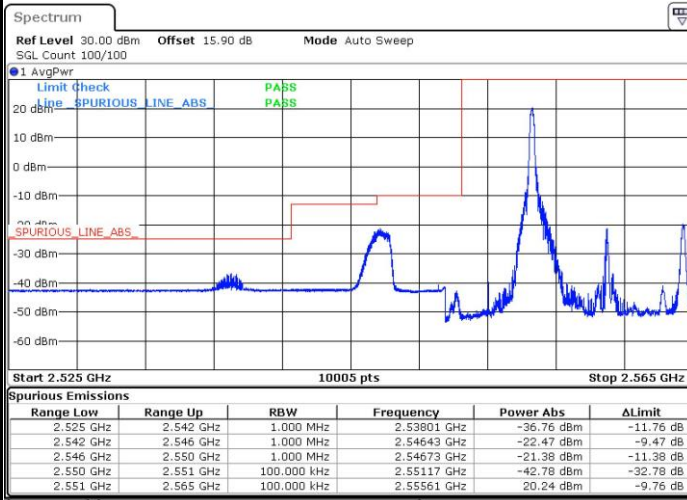


Date: 8.OCT.2016 13:00:57



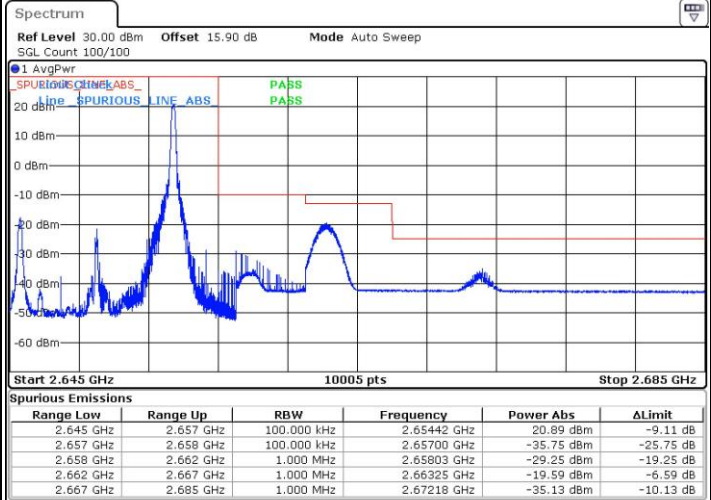
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 8.OCT.2016 12:50:57

Highest Band Edge / 1 RB



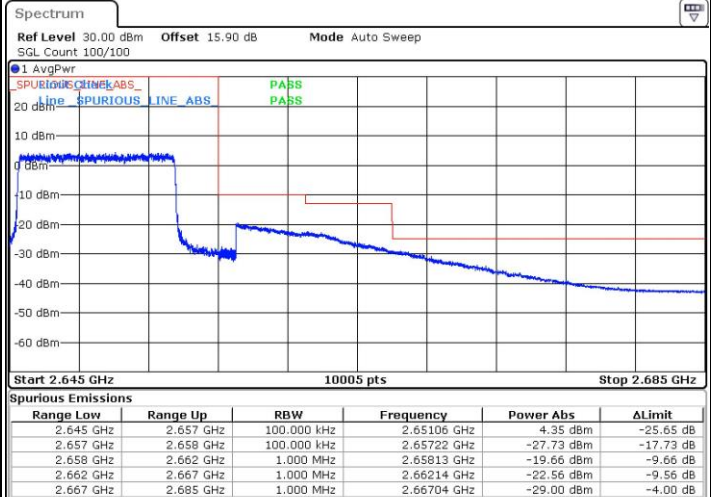
Date: 8.OCT.2016 12:59:47

Lowest Band Edge / Full RB



Date: 8.OCT.2016 12:53:21

Highest Band Edge / Full RB



Date: 8.OCT.2016 13:02:07