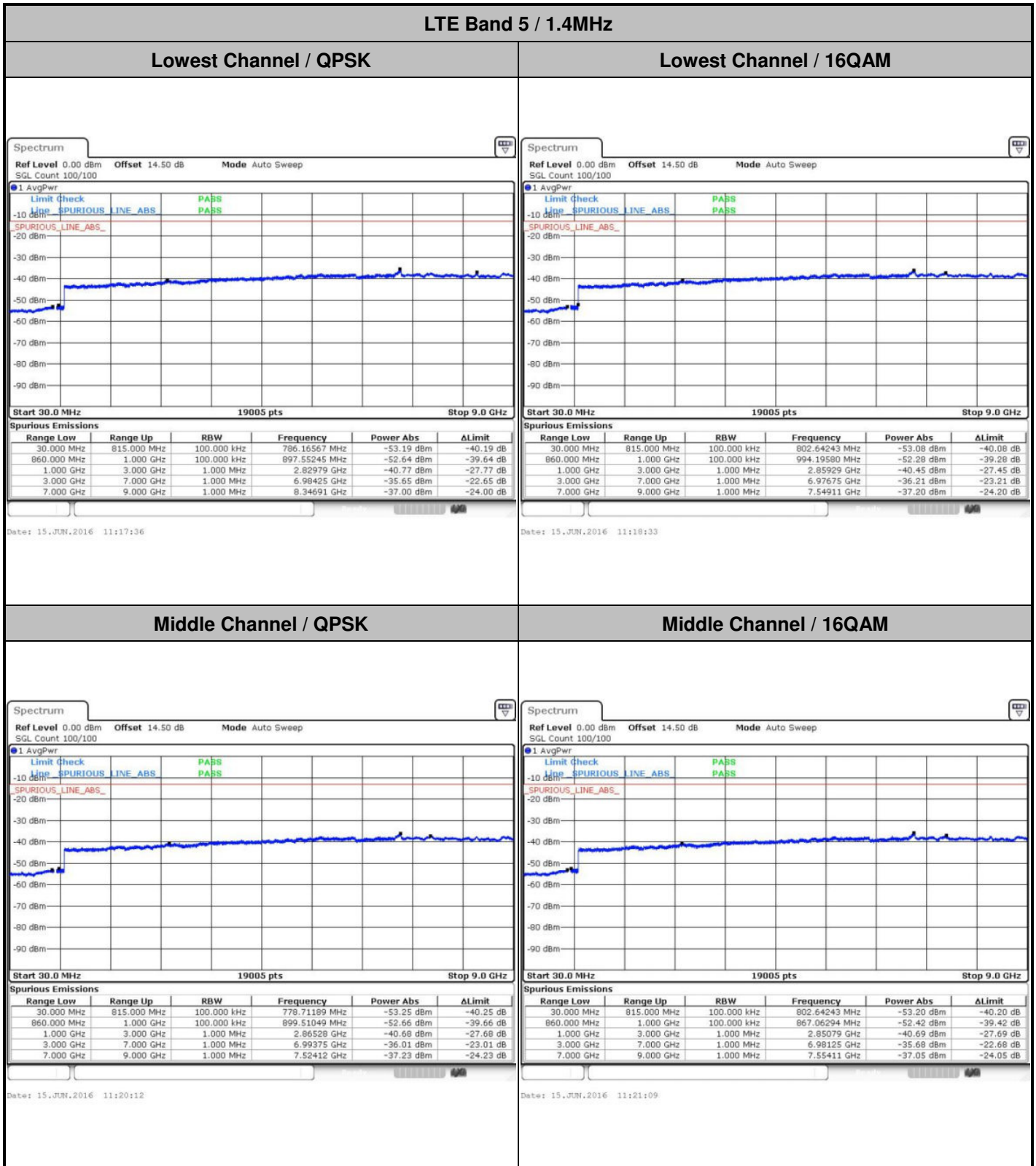




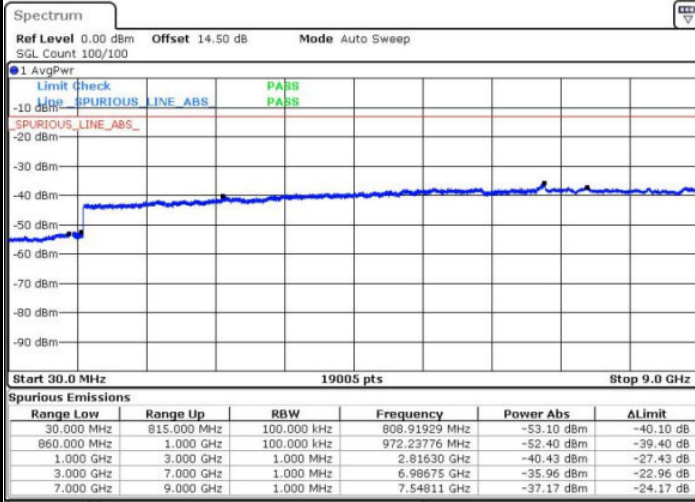
Conducted Spurious Emission





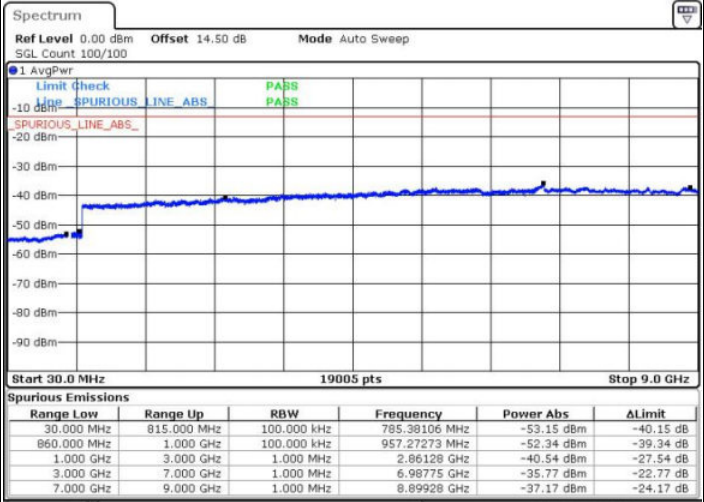
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 15 JUN 2016 11:31:00

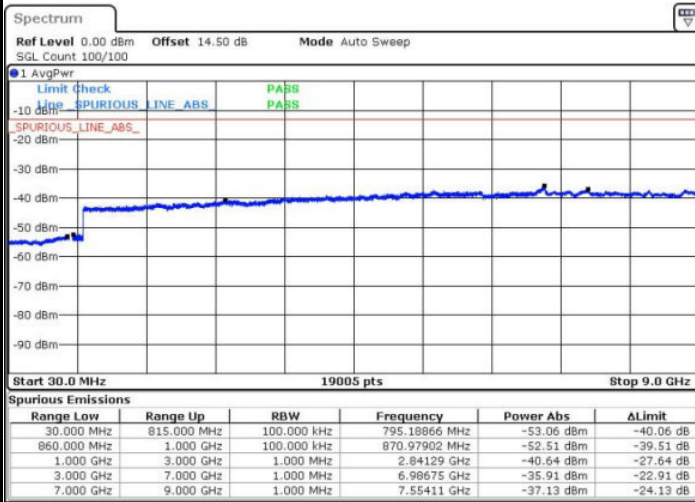
Highest Channel / 16QAM



Date: 15 JUN 2016 11:31:56

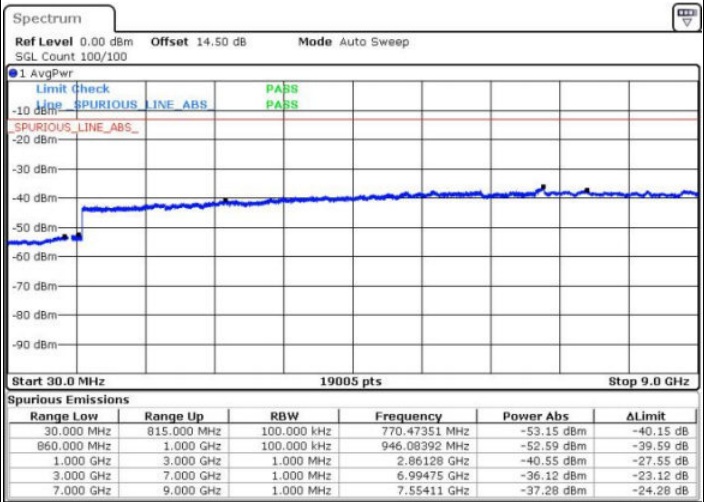
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 15 JUN 2016 11:41:47

Lowest Channel / 16QAM

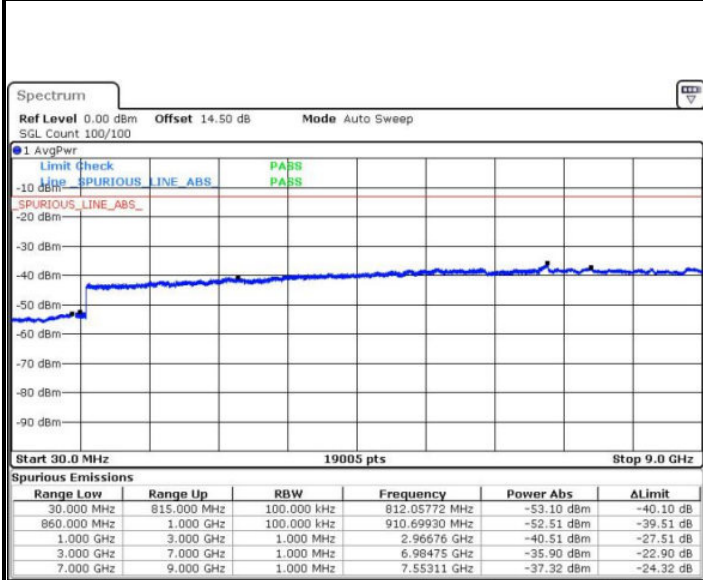


Date: 15 JUN 2016 11:42:44



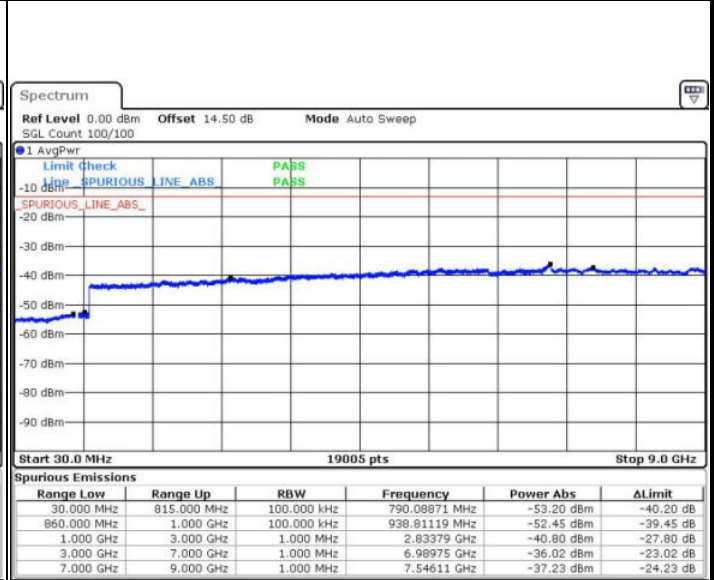
LTE Band 5 / 3MHz

Middle Channel / QPSK



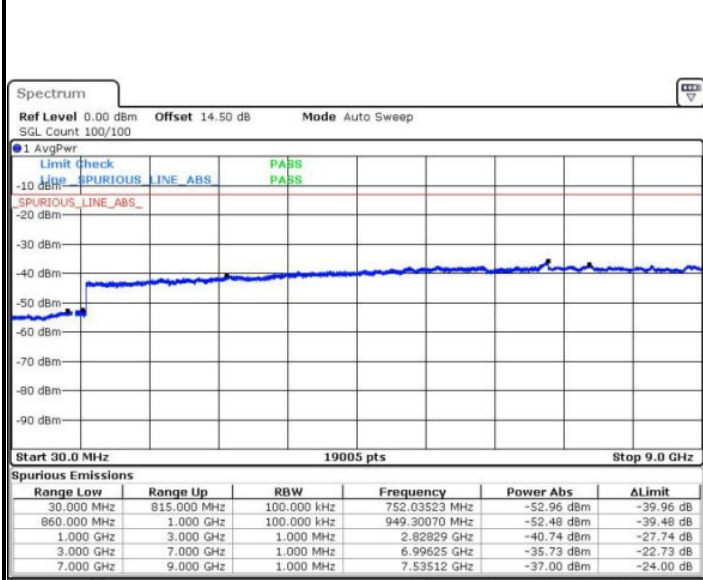
Date: 15 JUN 2016 11:44:24

Middle Channel / 16QAM



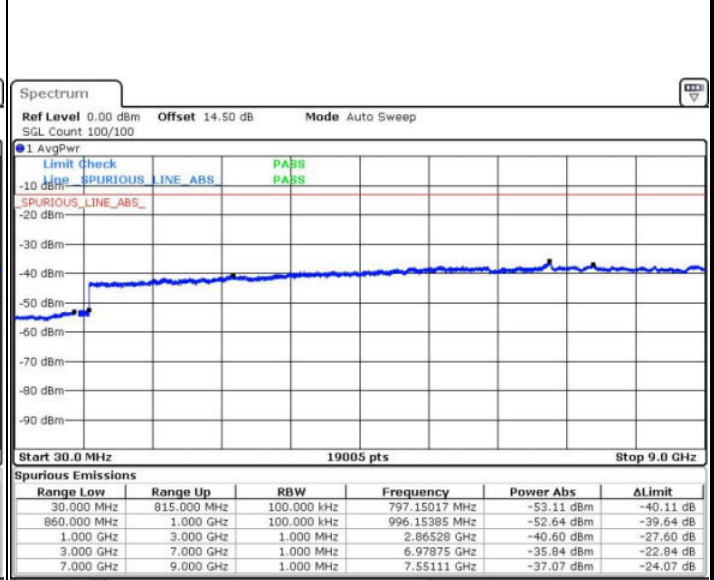
Date: 15 JUN 2016 11:45:21

Highest Channel / QPSK



Date: 15 JUN 2016 11:55:11

Highest Channel / 16QAM



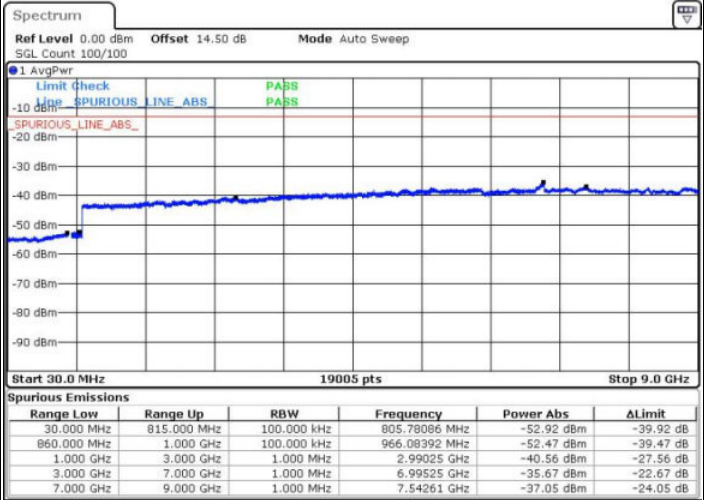
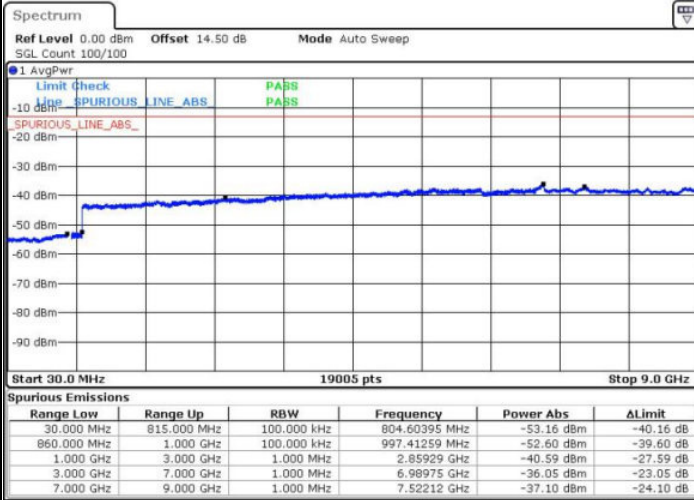
Date: 15 JUN 2016 11:56:08



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

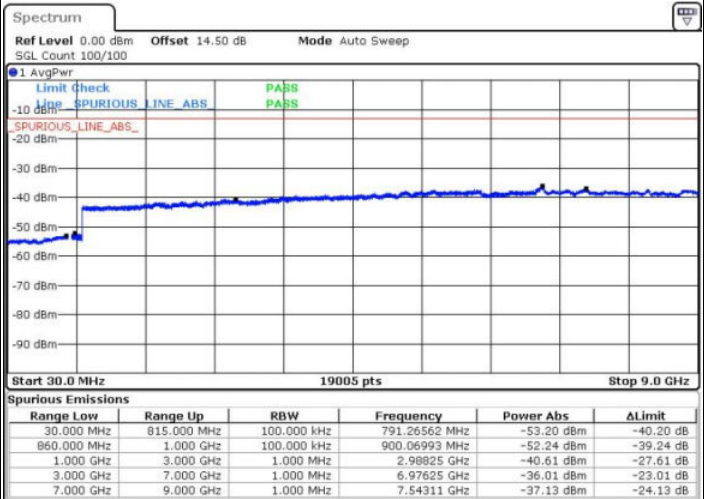
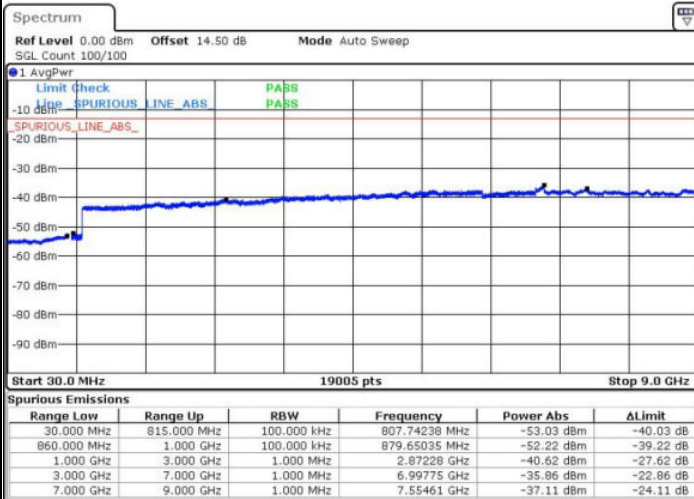


Date: 15 JUN 2016 12:05:59

Date: 15 JUN 2016 12:06:56

Middle Channel / QPSK

Middle Channel / 16QAM



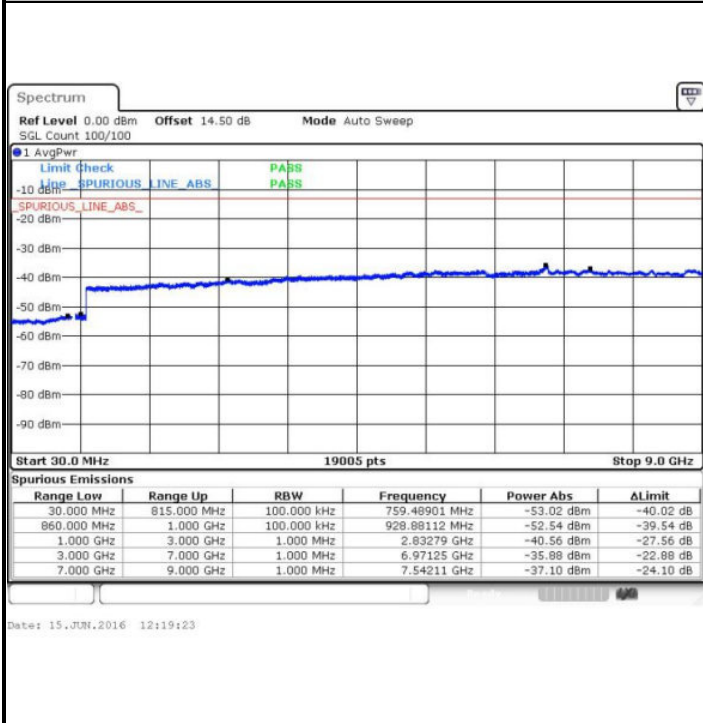
Date: 15 JUN 2016 12:08:35

Date: 15 JUN 2016 12:09:32

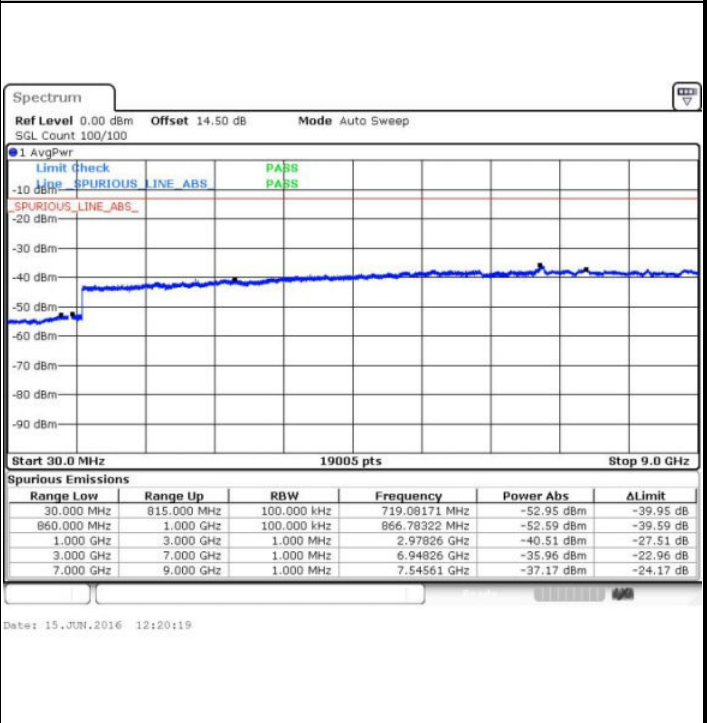


LTE Band 5 / 5MHz

Highest Channel / QPSK

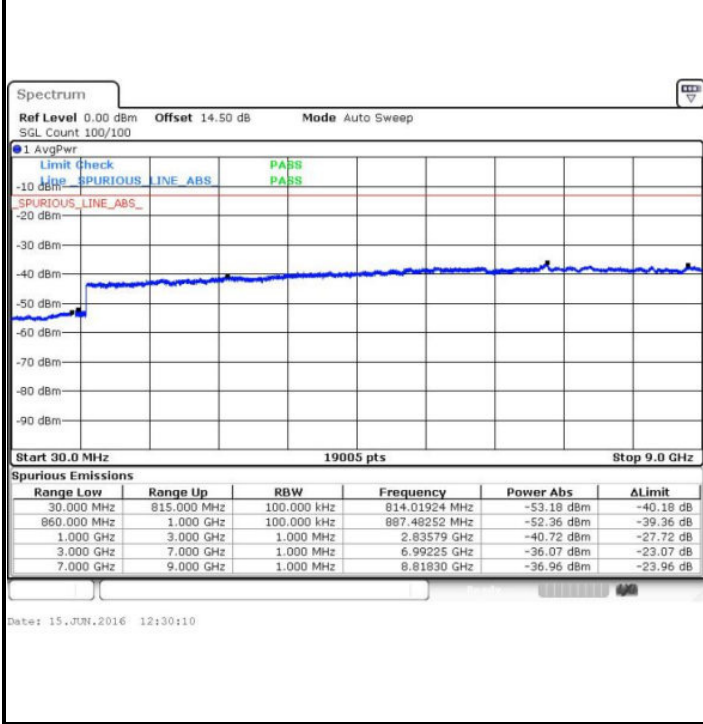


Highest Channel / 16QAM

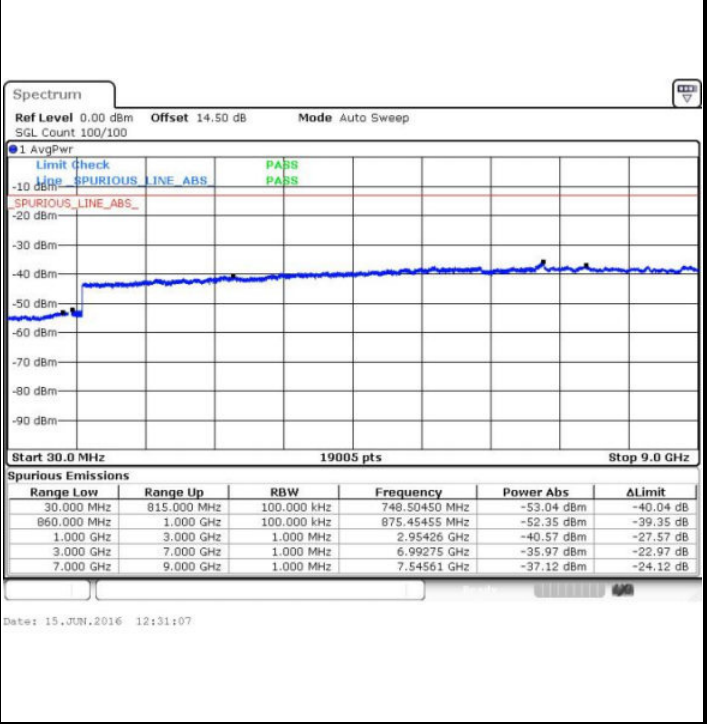


LTE Band 5 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

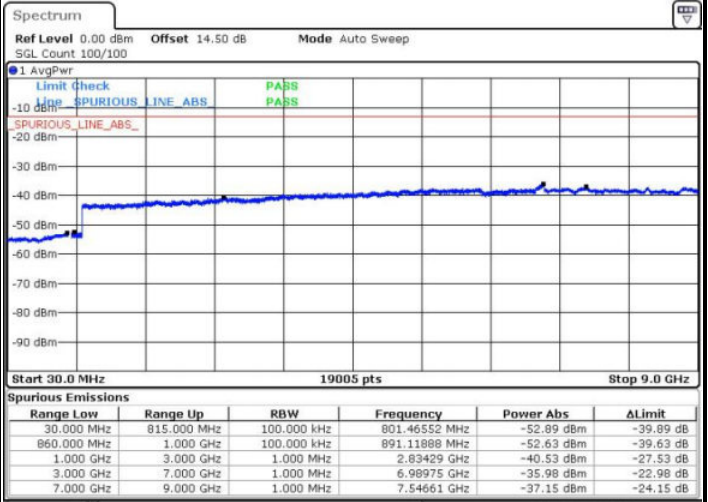
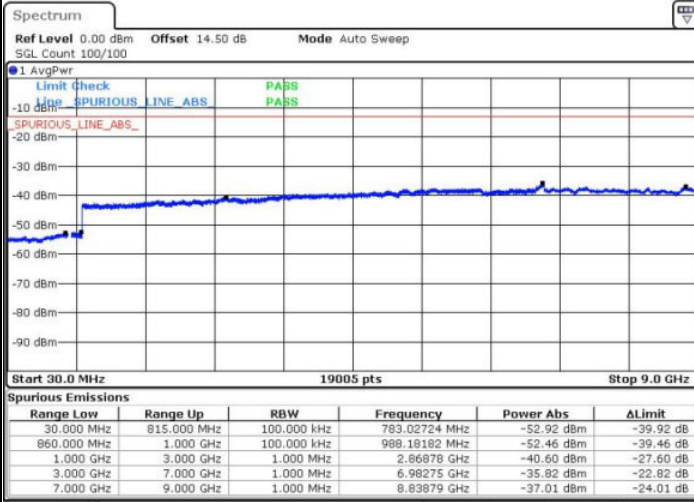




LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

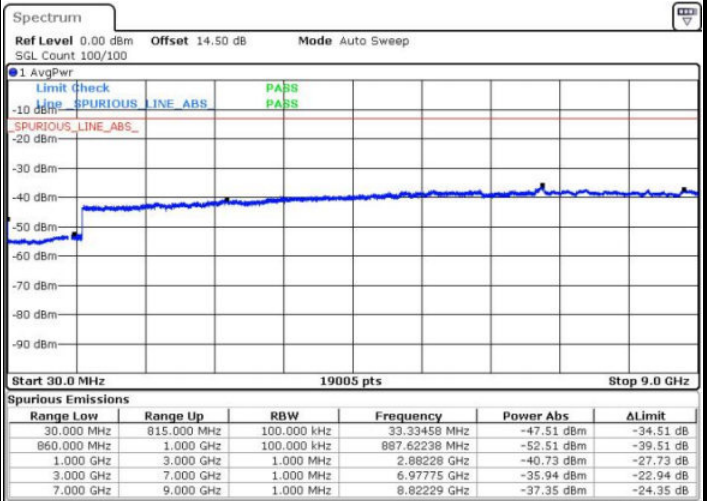
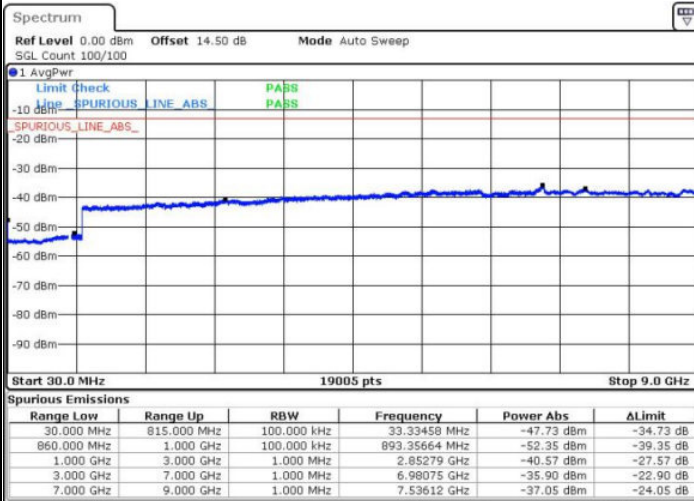


Date: 15 JUN 2016 12:32:46

Date: 15 JUN 2016 12:33:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15 JUN 2016 13:50:21

Date: 15 JUN 2016 14:49:24



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0060	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0072	

Note: Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.4 V



LTE Band 7

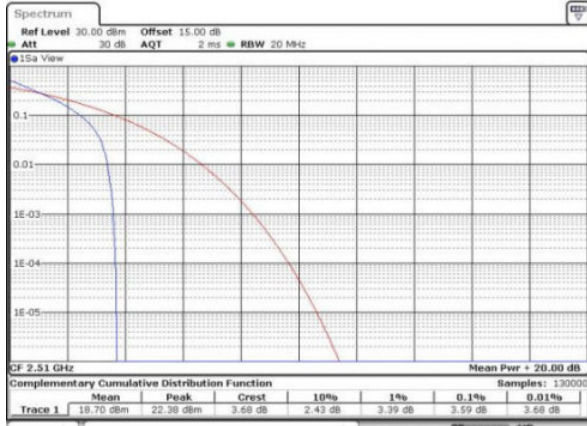
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.78	4.93	5.77	PASS
Middle CH	4.29	4.84	5.51	5.88	
Highest CH	4.09	4.67	5.10	5.77	



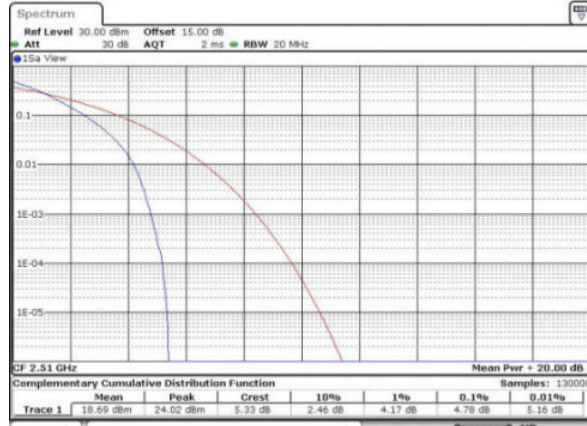
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



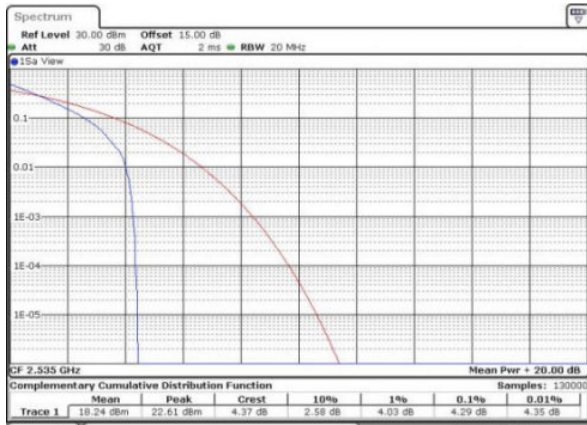
Date: 17 JUN 2016 19:12:18

Lowest Channel / Full RB



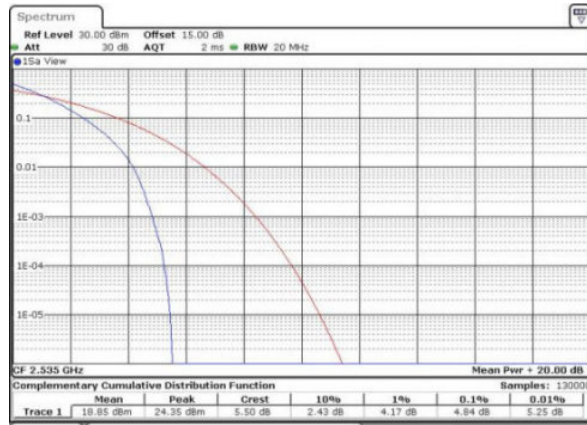
Date: 17 JUN 2016 19:12:28

Middle Channel / 1RB



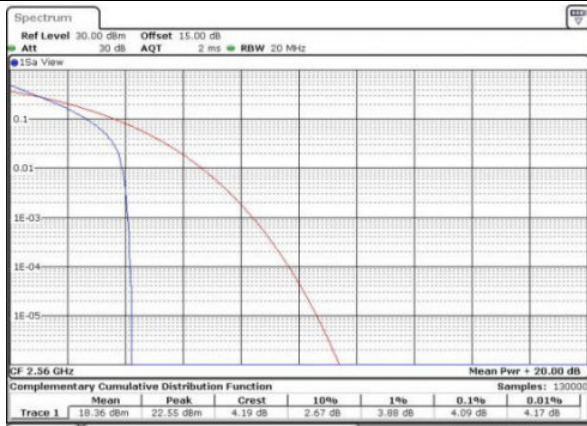
Date: 17 JUN 2016 19:12:38

Middle Channel / Full RB



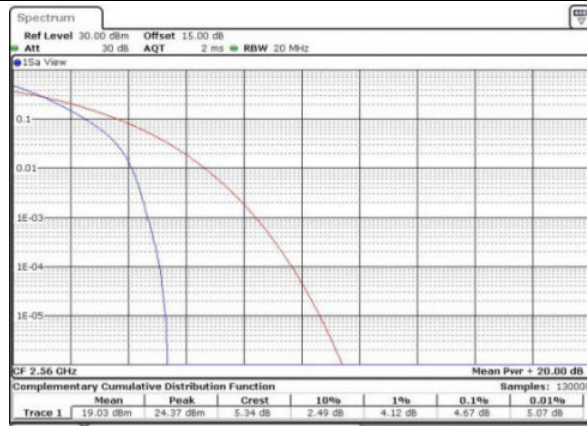
Date: 17 JUN 2016 19:12:48

Highest Channel / 1RB



Date: 17 JUN 2016 19:12:58

Highest Channel / Full RB

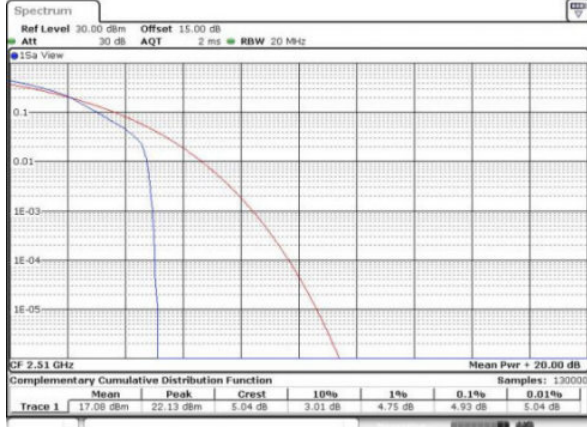


Date: 17 JUN 2016 19:13:08



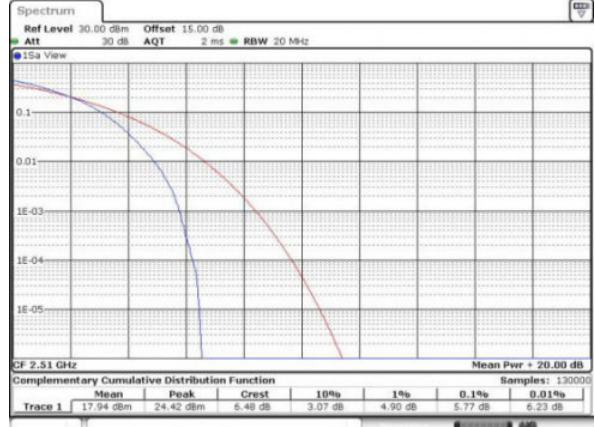
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



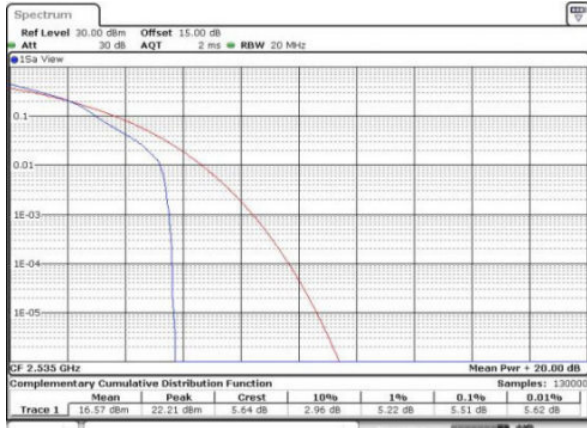
Date: 17 JUN 2016 19:11:15

Lowest Channel / Full RB



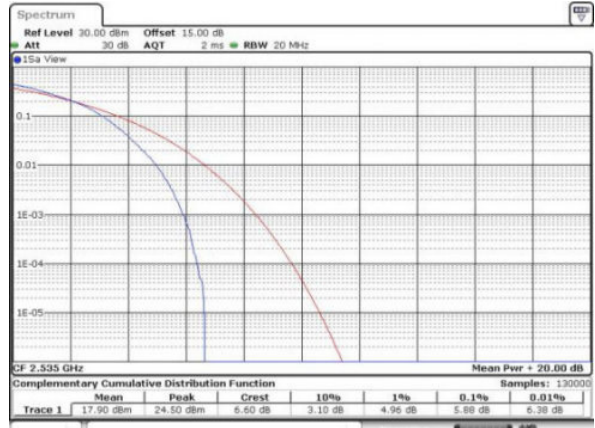
Date: 17 JUN 2016 19:11:27

Middle Channel / 1RB



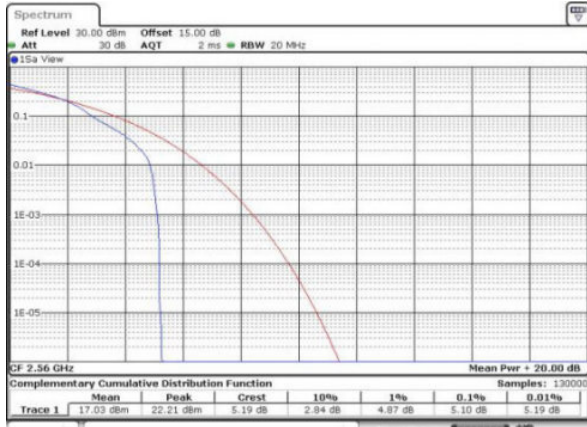
Date: 17 JUN 2016 19:11:37

Middle Channel / Full RB



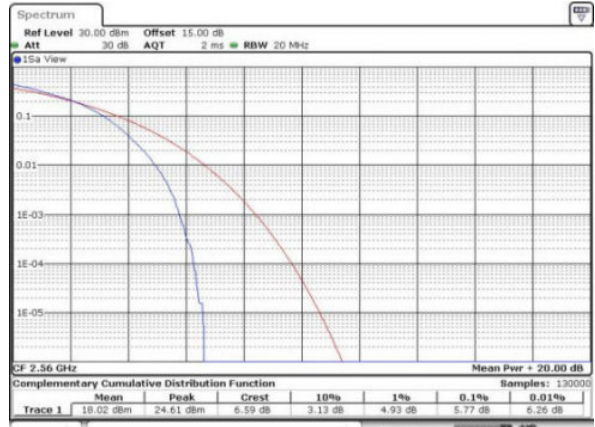
Date: 17 JUN 2016 19:11:48

Highest Channel / 1RB



Date: 17 JUN 2016 19:11:58

Highest Channel / Full RB



Date: 17 JUN 2016 19:12:08



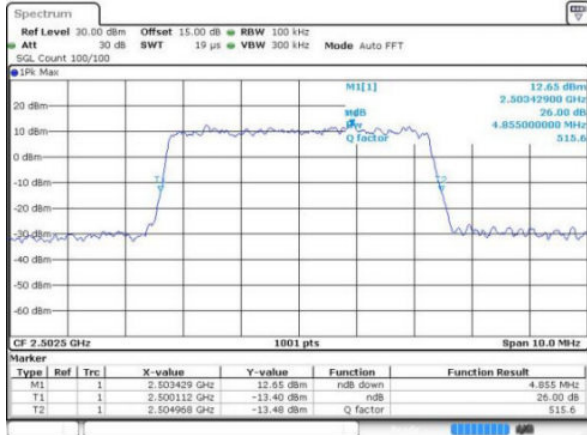
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.86	4.96	9.81	9.87	14.36	14.54	20.14	20.10
Middle CH	-	-	-	-	4.91	4.87	9.95	9.83	14.51	14.45	20.14	20.06
Highest CH	-	-	-	-	4.94	4.90	9.81	9.79	14.57	14.42	20.18	20.14



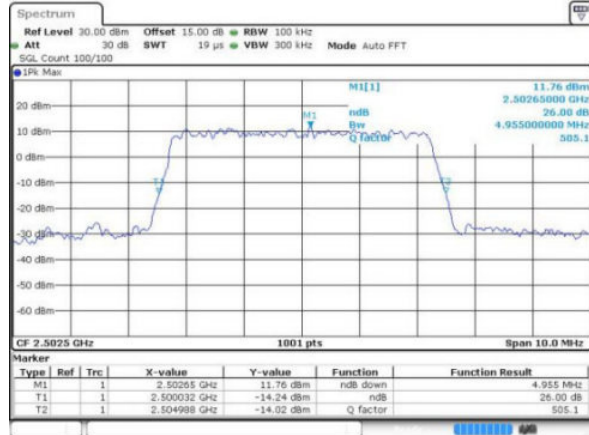
LTE Band 7

Lowest Channel / 5MHz / QPSK



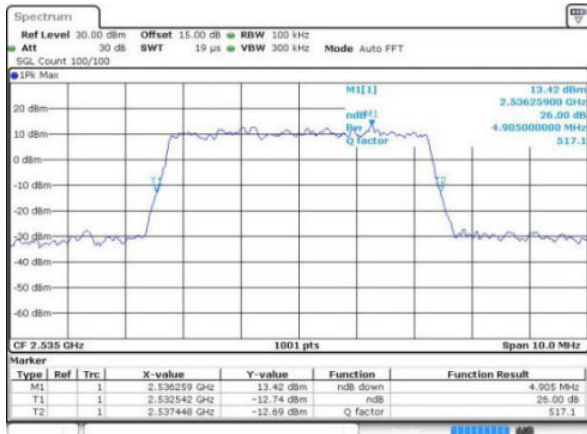
Date: 17 JUN 2016 17:55:48

Lowest Channel / 5MHz / 16QAM



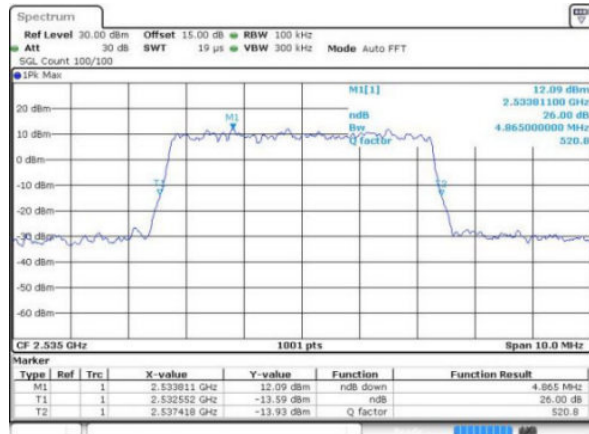
Date: 17 JUN 2016 17:55:59

Middle Channel / 5MHz / QPSK



Date: 17 JUN 2016 18:09:51

Middle Channel / 5MHz / 16QAM



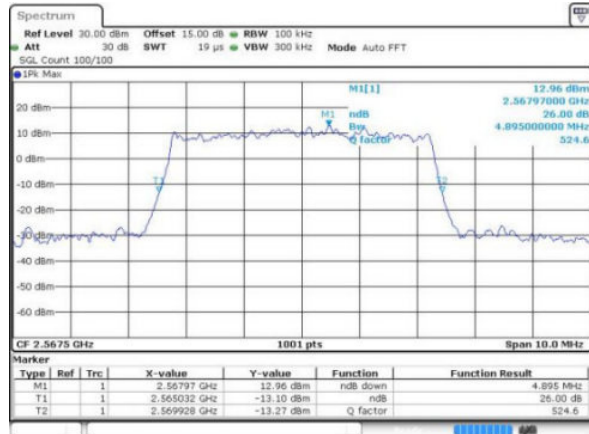
Date: 17 JUN 2016 18:10:01

Highest Channel / 5MHz / QPSK



Date: 17 JUN 2016 18:12:22

Highest Channel / 5MHz / 16QAM

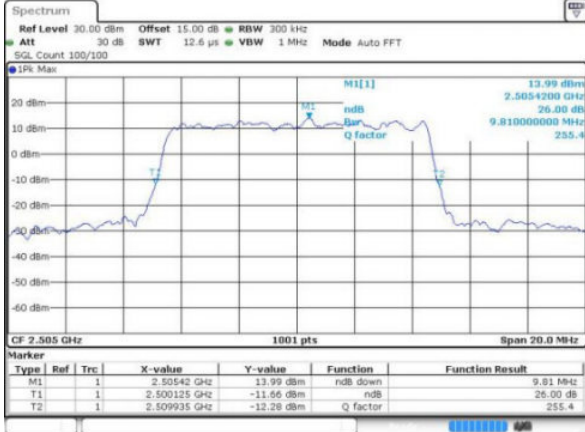


Date: 17 JUN 2016 18:12:32



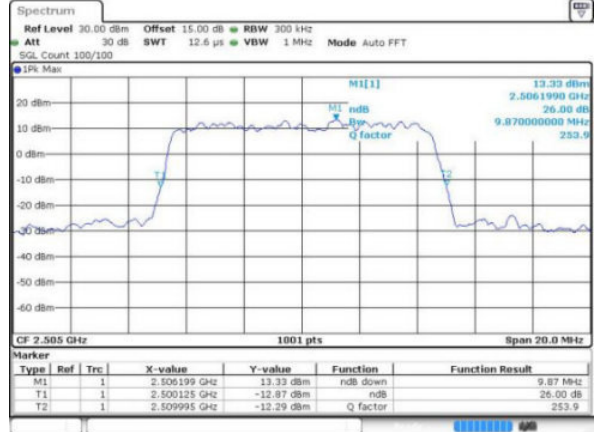
LTE Band 7

Lowest Channel / 10MHz / QPSK



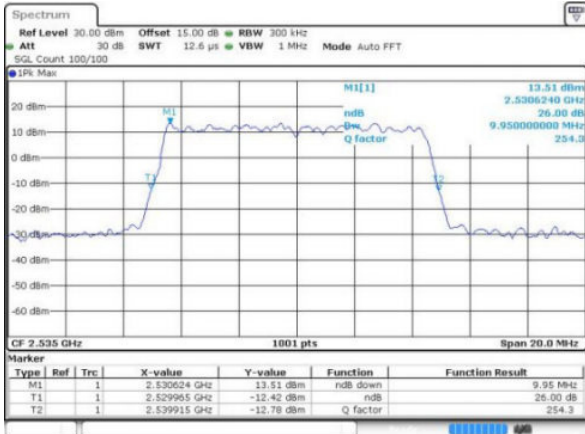
Date: 17 JUN 2016 18:19:28

Lowest Channel / 10MHz / 16QAM



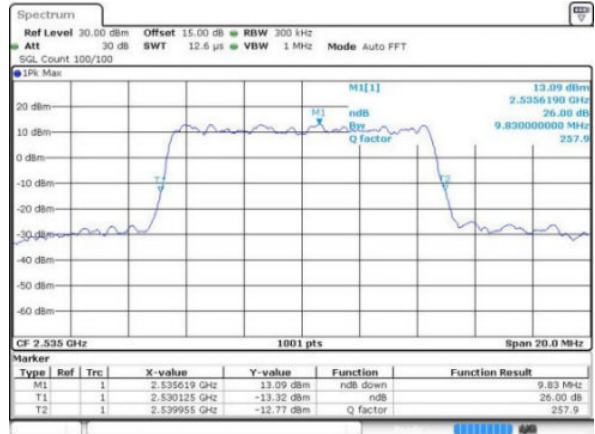
Date: 17 JUN 2016 18:19:38

Middle Channel / 10MHz / QPSK



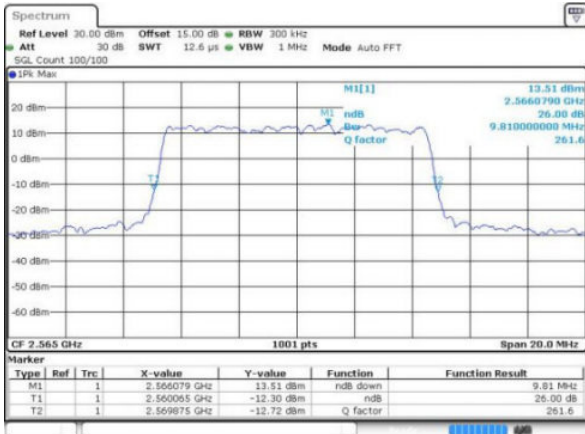
Date: 17 JUN 2016 18:26:33

Middle Channel / 10MHz / 16QAM



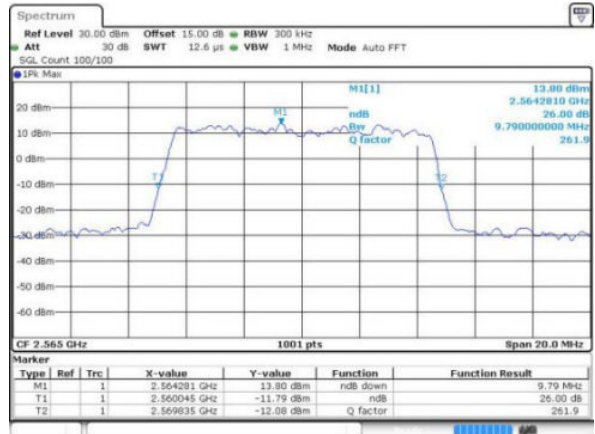
Date: 17 JUN 2016 18:26:43

Highest Channel / 10MHz / QPSK



Date: 17 JUN 2016 18:29:04

Highest Channel / 10MHz / 16QAM

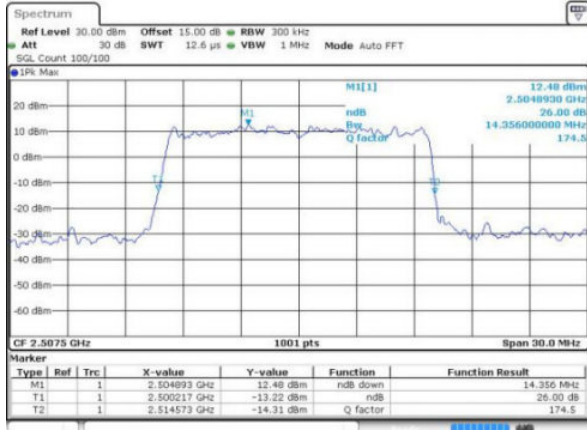


Date: 17 JUN 2016 18:29:14



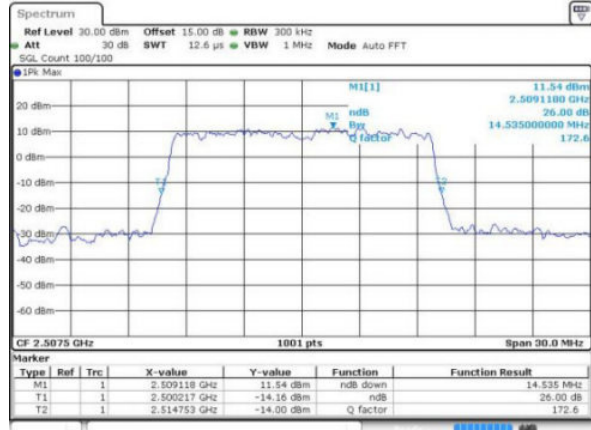
LTE Band 7

Lowest Channel / 15MHz / QPSK



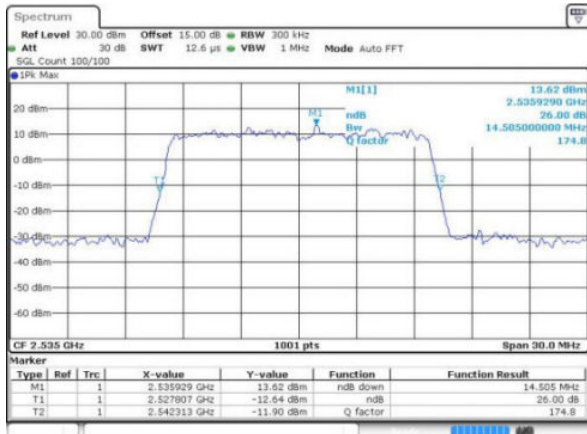
Date: 17 JUN 2016 18:36:09

Lowest Channel / 15MHz / 16QAM



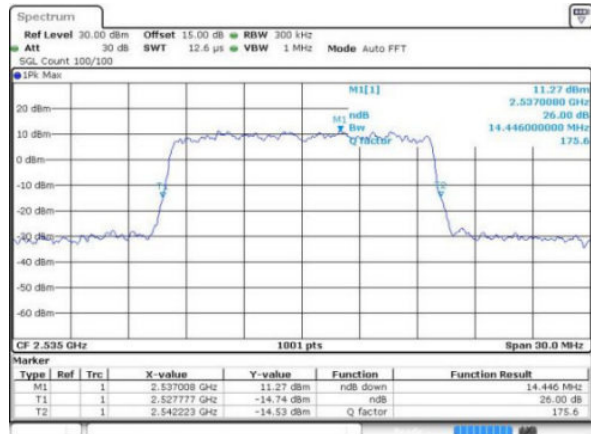
Date: 17 JUN 2016 18:36:20

Middle Channel / 15MHz / QPSK



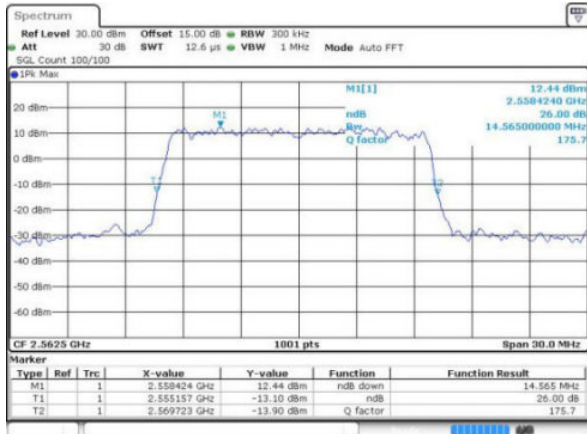
Date: 17 JUN 2016 18:43:15

Middle Channel / 15MHz / 16QAM



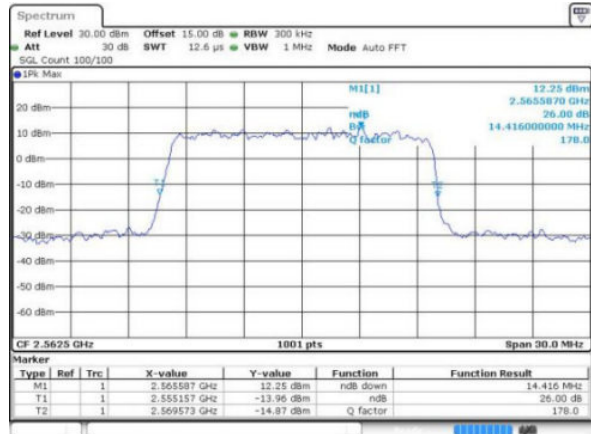
Date: 17 JUN 2016 18:43:26

Highest Channel / 15MHz / QPSK



Date: 17 JUN 2016 18:45:47

Highest Channel / 15MHz / 16QAM

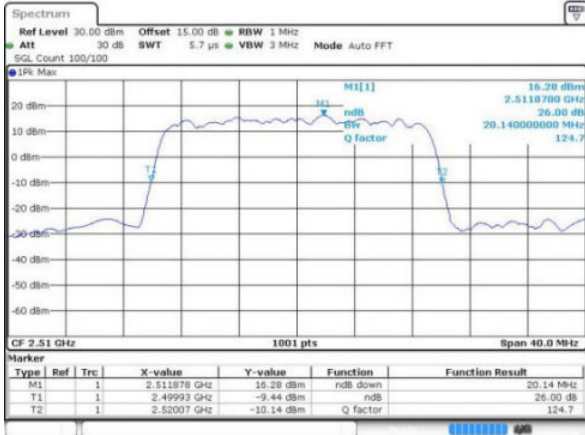


Date: 17 JUN 2016 18:45:58



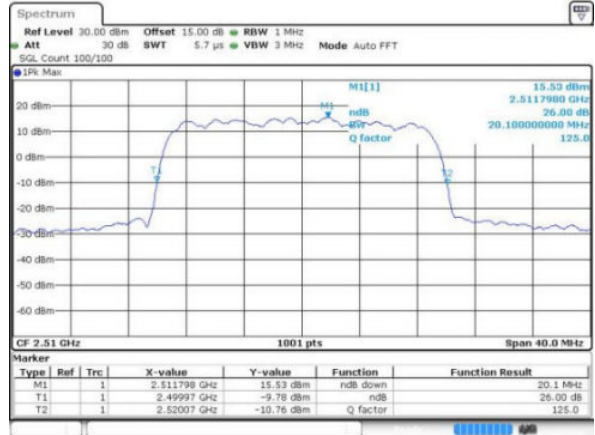
LTE Band 7

Lowest Channel / 20MHz / QPSK



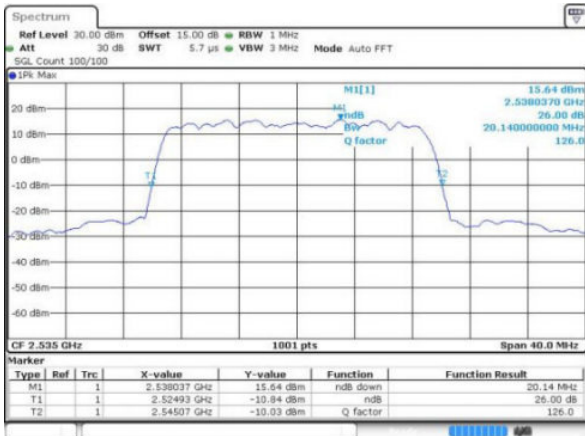
Date: 17 JUN 2016 18:52:55

Lowest Channel / 20MHz / 16QAM



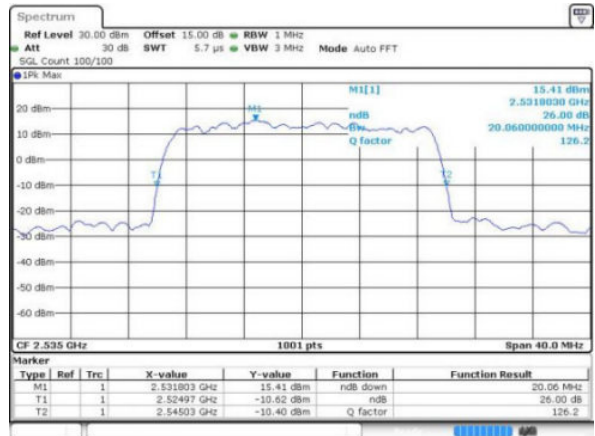
Date: 17 JUN 2016 18:53:05

Middle Channel / 20MHz / QPSK



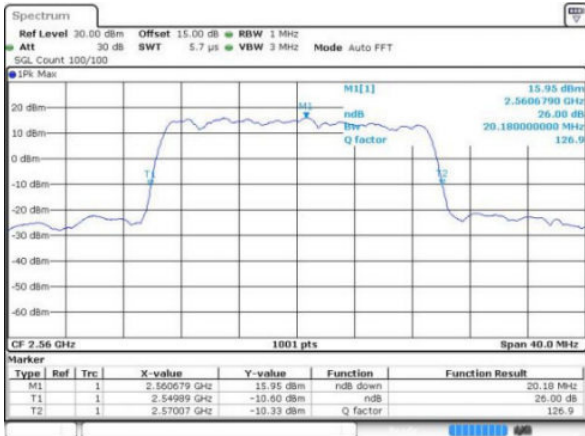
Date: 17 JUN 2016 19:00:01

Middle Channel / 20MHz / 16QAM



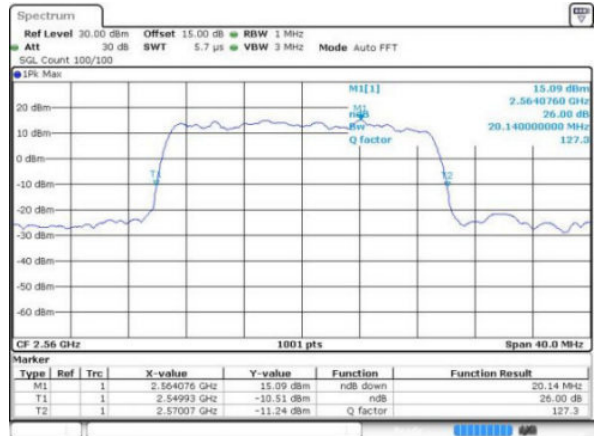
Date: 17 JUN 2016 19:00:11

Highest Channel / 20MHz / QPSK



Date: 17 JUN 2016 19:02:31

Highest Channel / 20MHz / 16QAM



Date: 17 JUN 2016 19:02:42



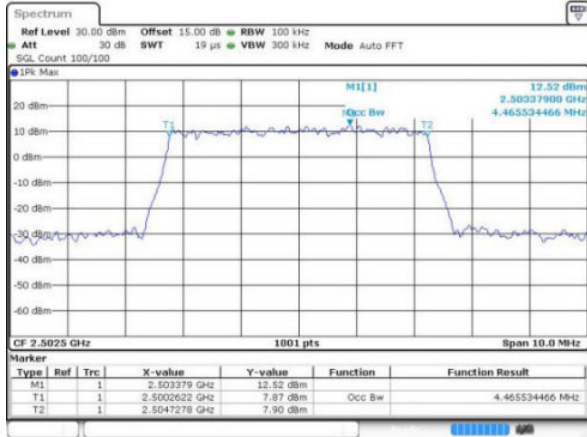
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.47	4.47	9.03	8.97	13.46	13.4	18.22	18.42
Middle CH	-	-	-	-	4.48	4.47	8.99	9.01	13.49	13.43	18.34	18.26
Highest CH	-	-	-	-	4.47	4.48	9.01	8.93	13.46	13.43	18.22	18.42



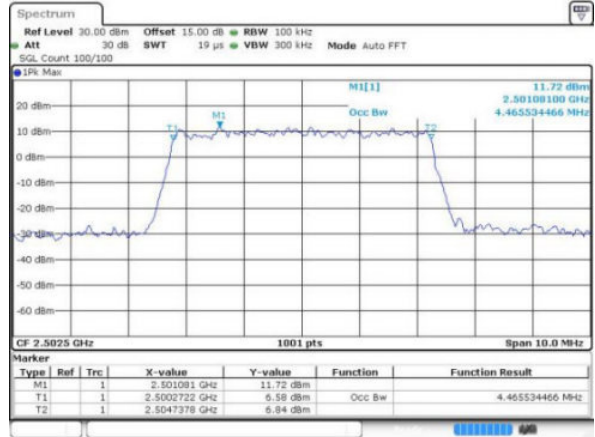
LTE Band 7

Lowest Channel / 5MHz / QPSK



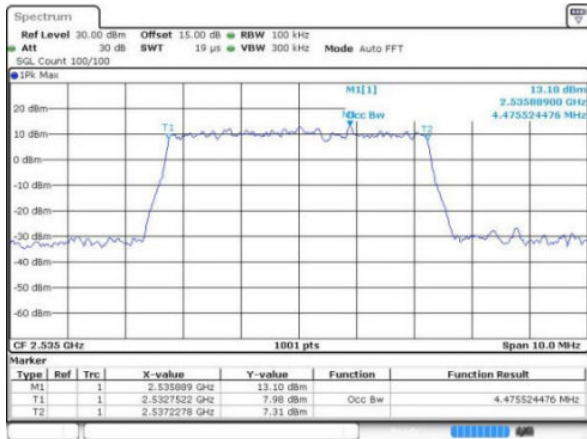
Date: 17 JUN 2016 17:55:27

Lowest Channel / 5MHz / 16QAM



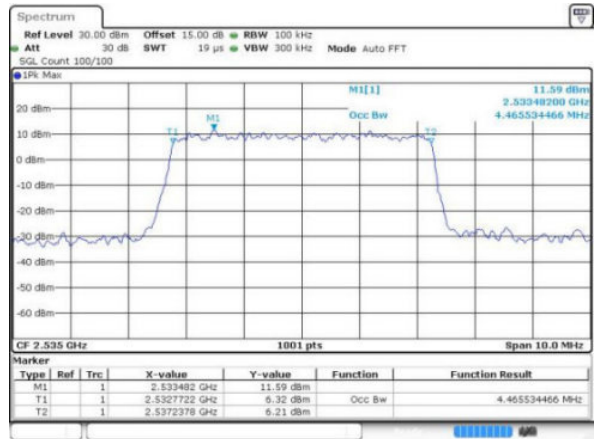
Date: 17 JUN 2016 17:55:38

Middle Channel / 5MHz / QPSK



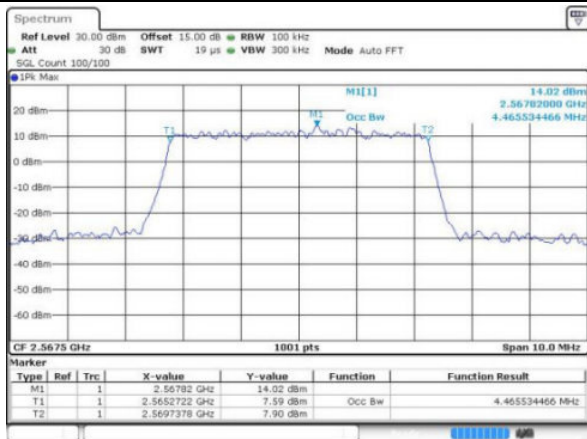
Date: 17 JUN 2016 18:09:30

Middle Channel / 5MHz / 16QAM



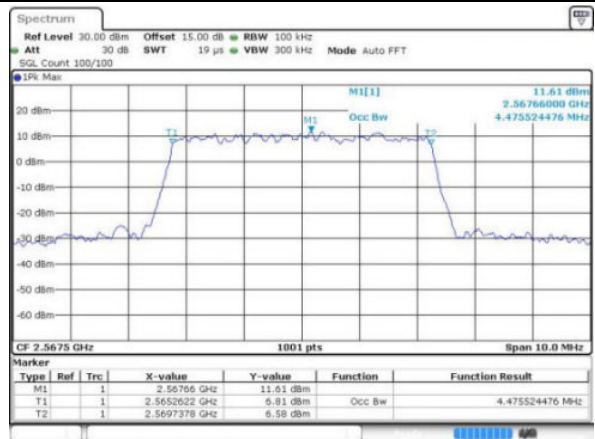
Date: 17 JUN 2016 18:09:40

Highest Channel / 5MHz / QPSK



Date: 17 JUN 2016 18:12:01

Highest Channel / 5MHz / 16QAM

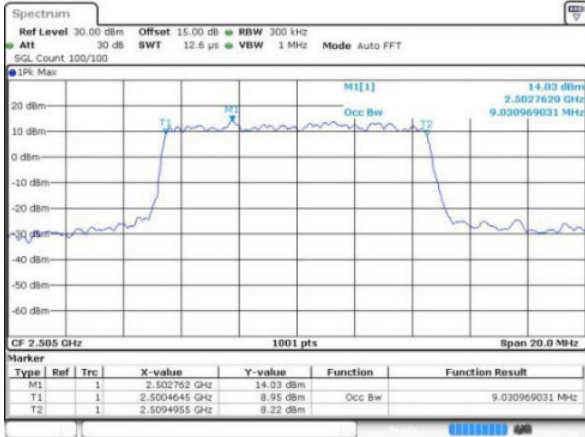


Date: 17 JUN 2016 18:12:11



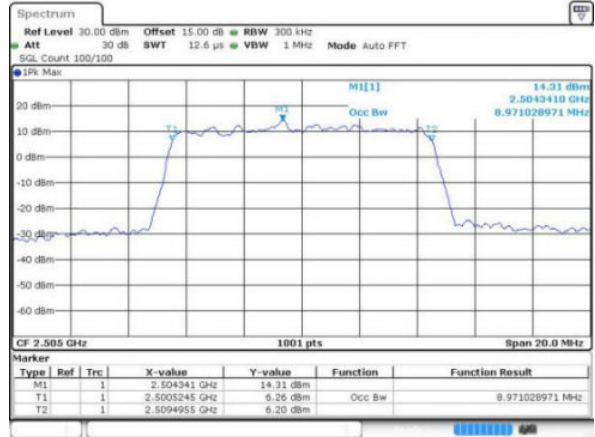
LTE Band 7

Lowest Channel / 10MHz / QPSK



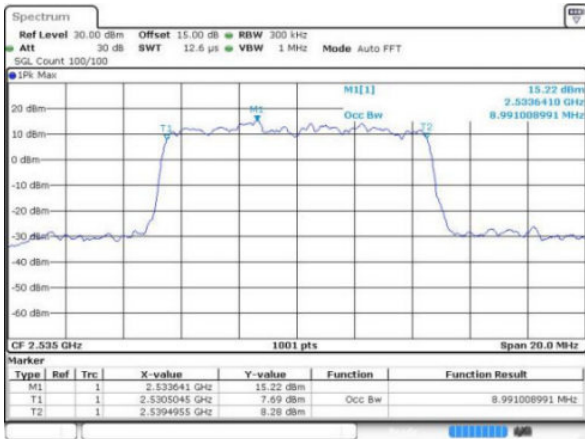
Date: 17 JUN 2016 18:19:07

Lowest Channel / 10MHz / 16QAM



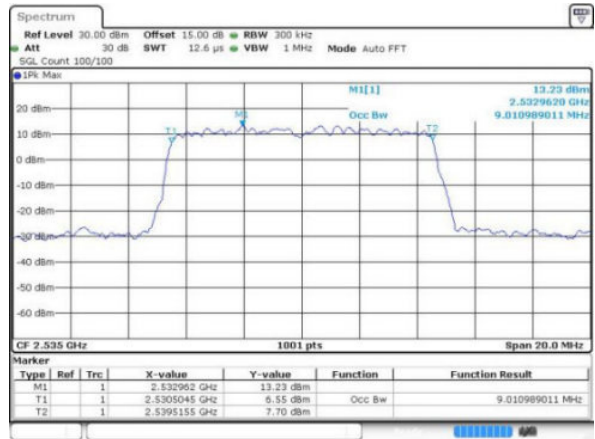
Date: 17 JUN 2016 18:19:17

Middle Channel / 10MHz / QPSK



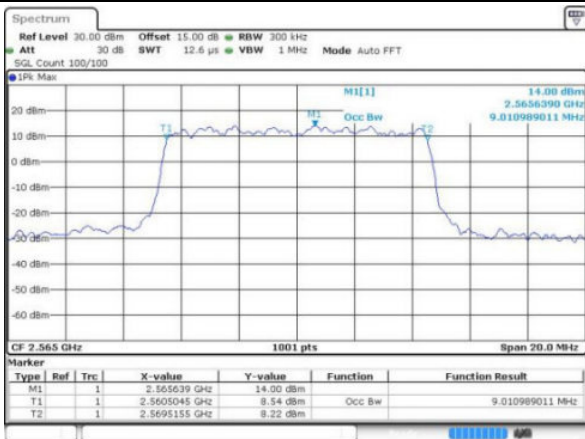
Date: 17 JUN 2016 18:26:12

Middle Channel / 10MHz / 16QAM



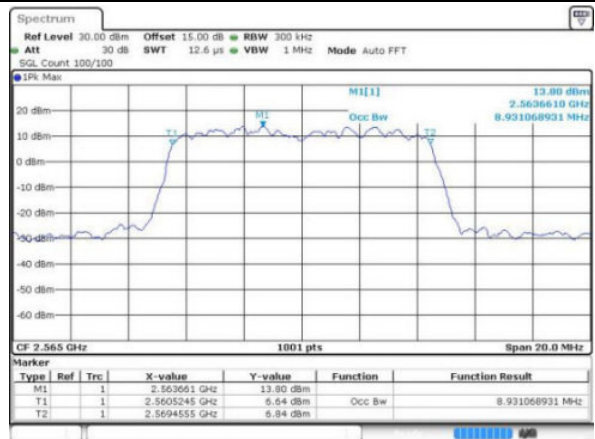
Date: 17 JUN 2016 18:26:22

Highest Channel / 10MHz / QPSK



Date: 17 JUN 2016 18:28:43

Highest Channel / 10MHz / 16QAM

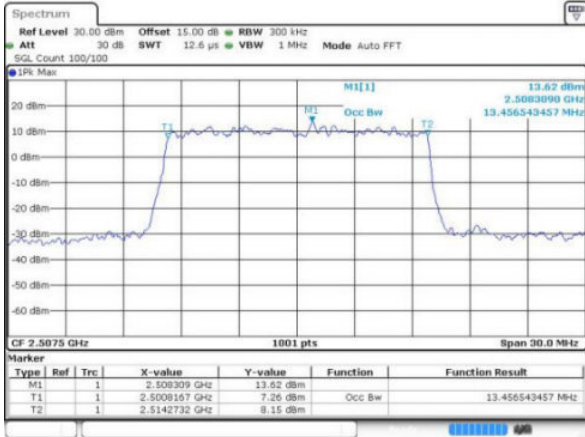


Date: 17 JUN 2016 18:28:53



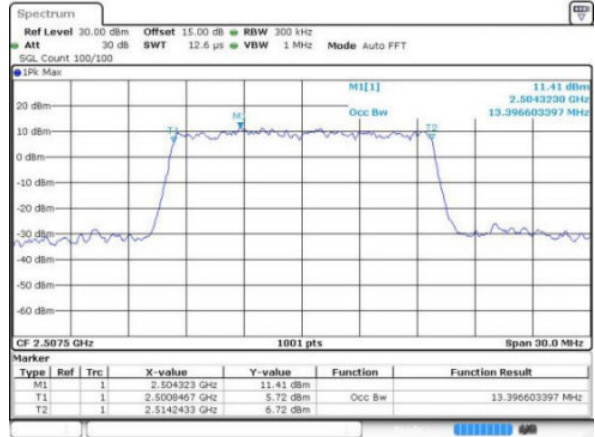
LTE Band 7

Lowest Channel / 15MHz / QPSK



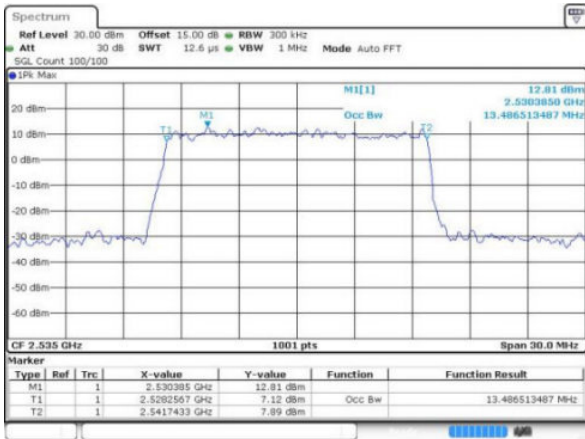
Date: 17 JUN 2016 18:35:48

Lowest Channel / 15MHz / 16QAM



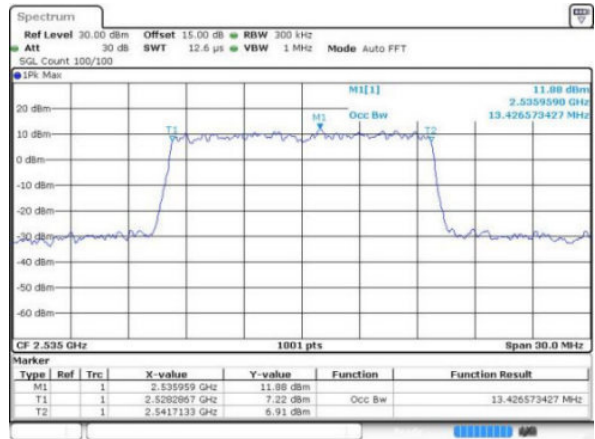
Date: 17 JUN 2016 18:35:59

Middle Channel / 15MHz / QPSK



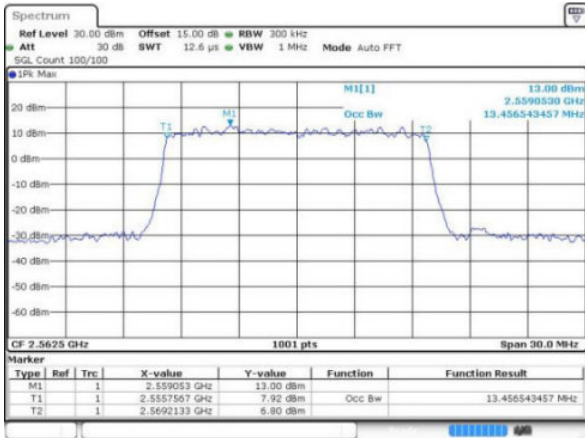
Date: 17 JUN 2016 18:42:54

Middle Channel / 15MHz / 16QAM



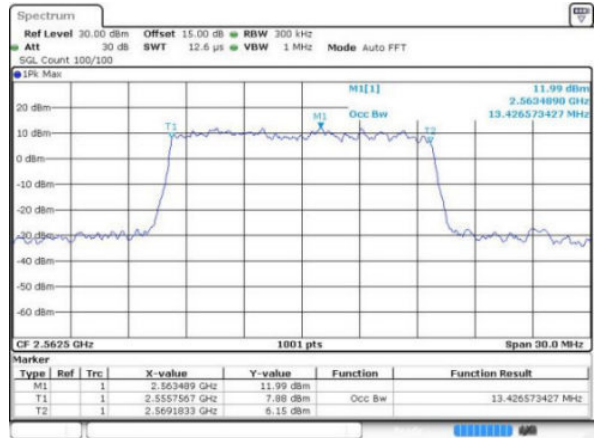
Date: 17 JUN 2016 18:43:05

Highest Channel / 15MHz / QPSK



Date: 17 JUN 2016 18:45:28

Highest Channel / 15MHz / 16QAM

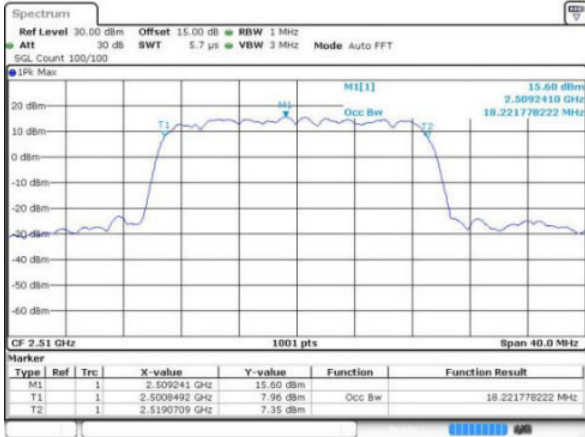


Date: 17 JUN 2016 18:45:37



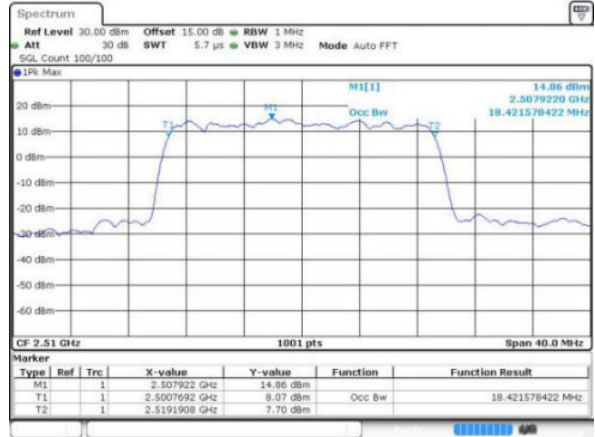
LTE Band 7

Lowest Channel / 20MHz / QPSK



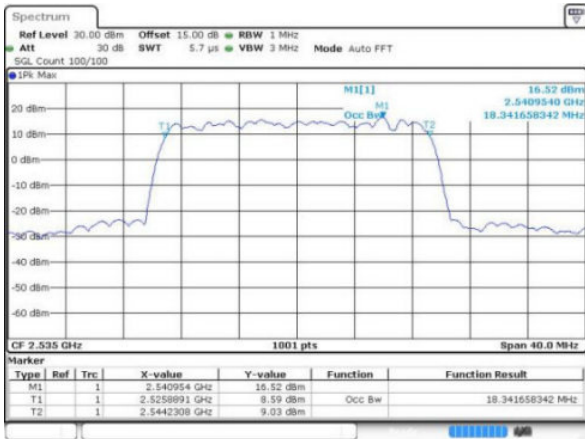
Date: 17 JUN 2016 18:52:34

Lowest Channel / 20MHz / 16QAM



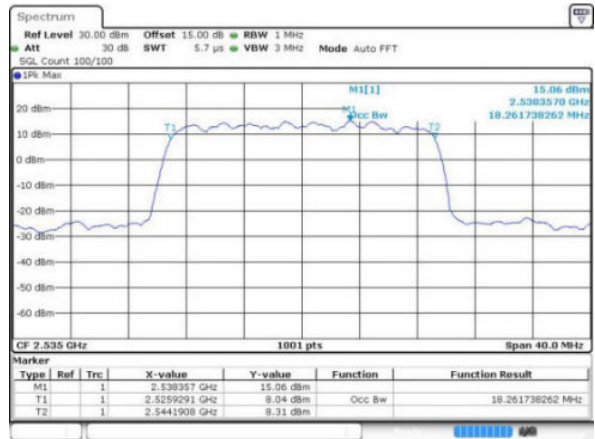
Date: 17 JUN 2016 18:52:44

Middle Channel / 20MHz / QPSK



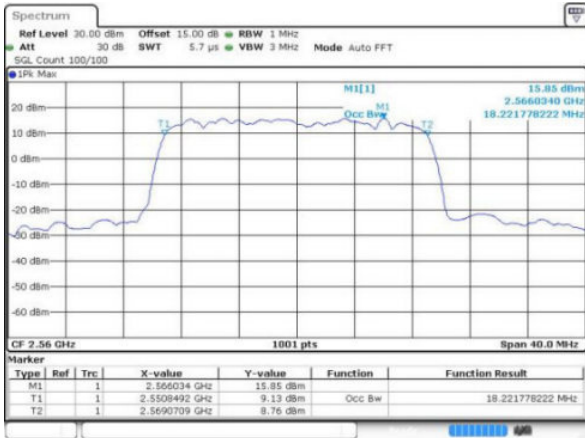
Date: 17 JUN 2016 18:59:40

Middle Channel / 20MHz / 16QAM



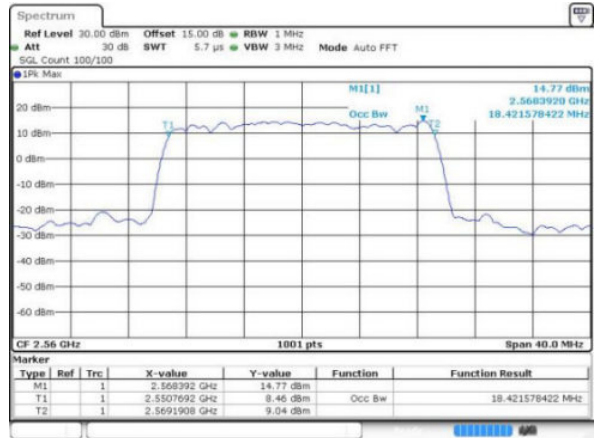
Date: 17 JUN 2016 18:59:50

Highest Channel / 20MHz / QPSK



Date: 17 JUN 2016 19:02:10

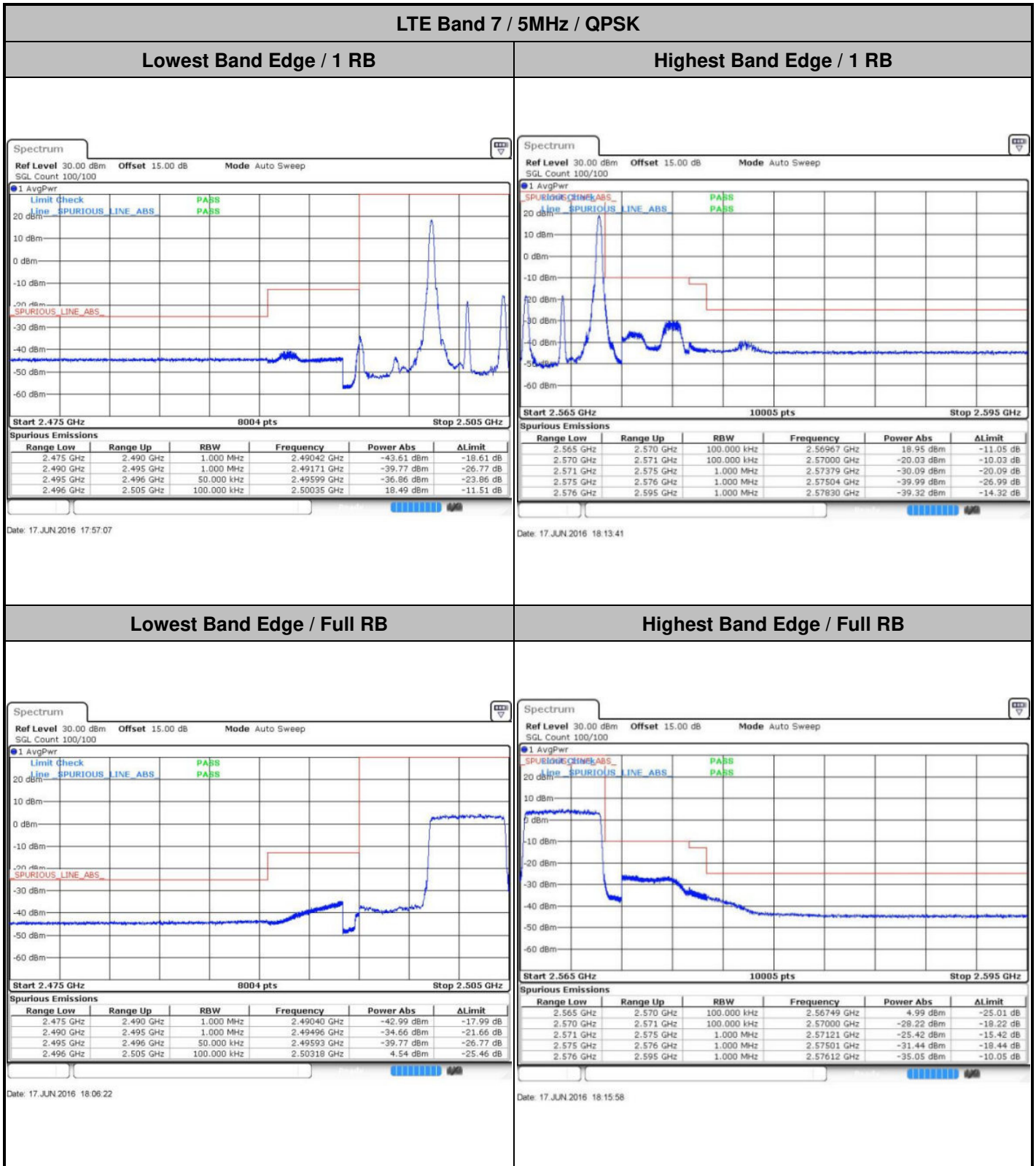
Highest Channel / 20MHz / 16QAM



Date: 17 JUN 2016 19:02:21



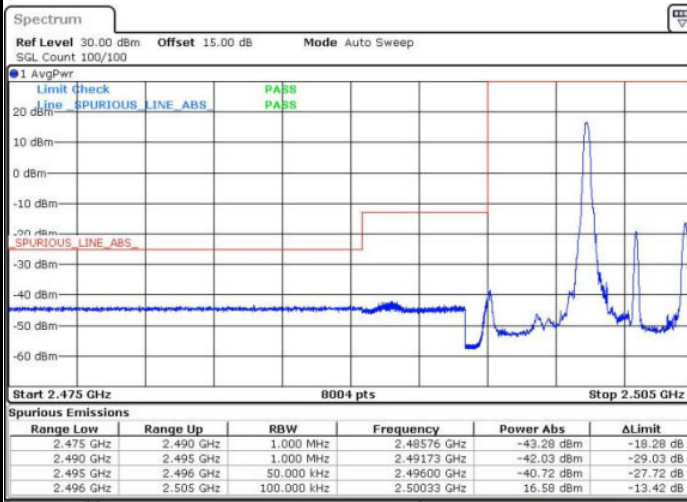
Conducted Band Edge





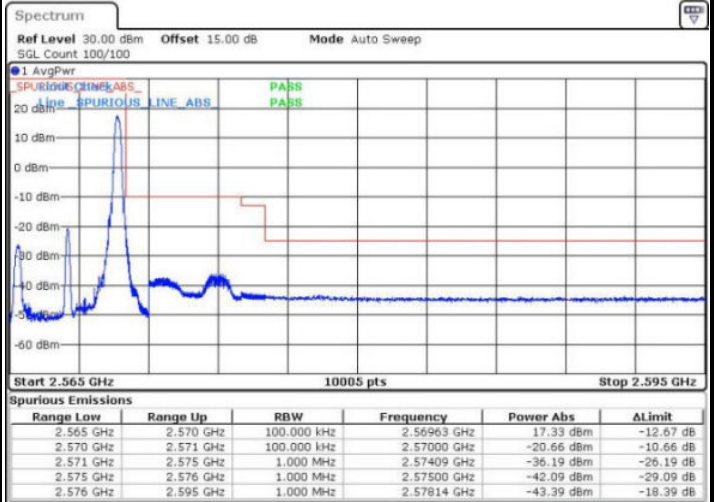
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



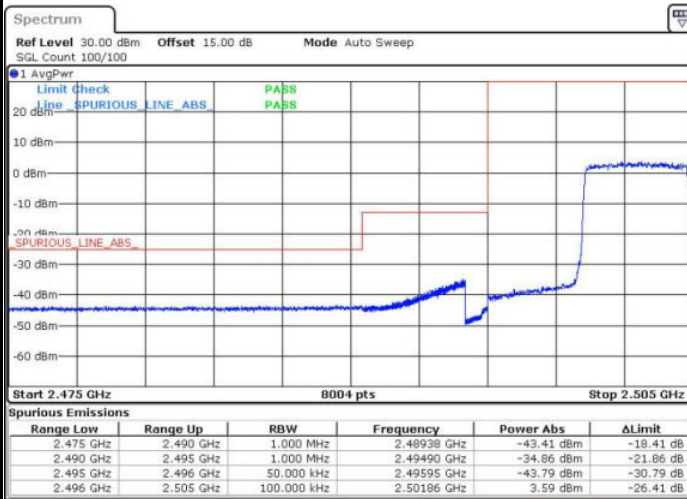
Date: 17 JUN 2016 18:05:14

Highest Band Edge / 1 RB



Date: 17 JUN 2016 18:14:50

Lowest Band Edge / Full RB



Date: 17 JUN 2016 18:07:31

Highest Band Edge / Full RB

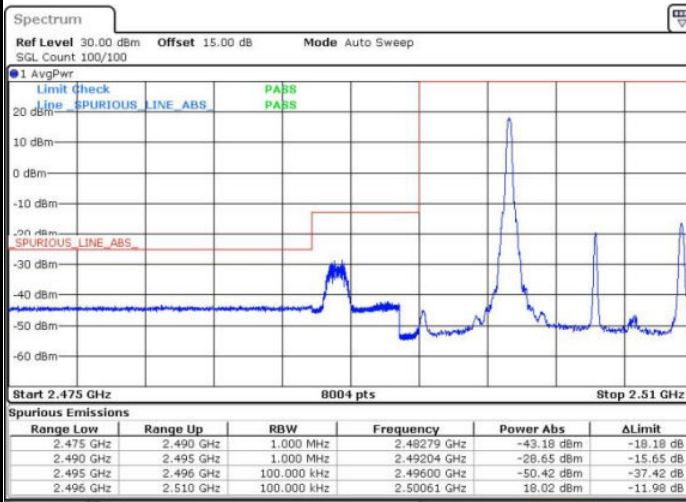


Date: 17 JUN 2016 18:17:07



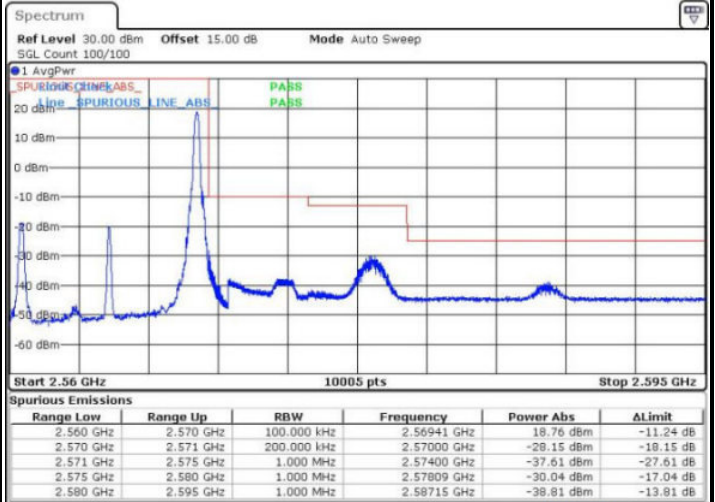
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



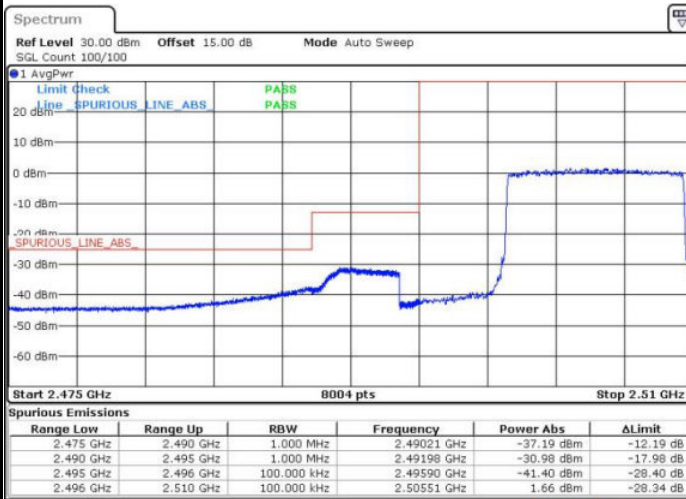
Date: 17 JUN 2016 18:20:47

Highest Band Edge / 1 RB



Date: 17 JUN 2016 18:30:23

Lowest Band Edge / Full RB



Date: 17 JUN 2016 18:23:04

Highest Band Edge / Full RB

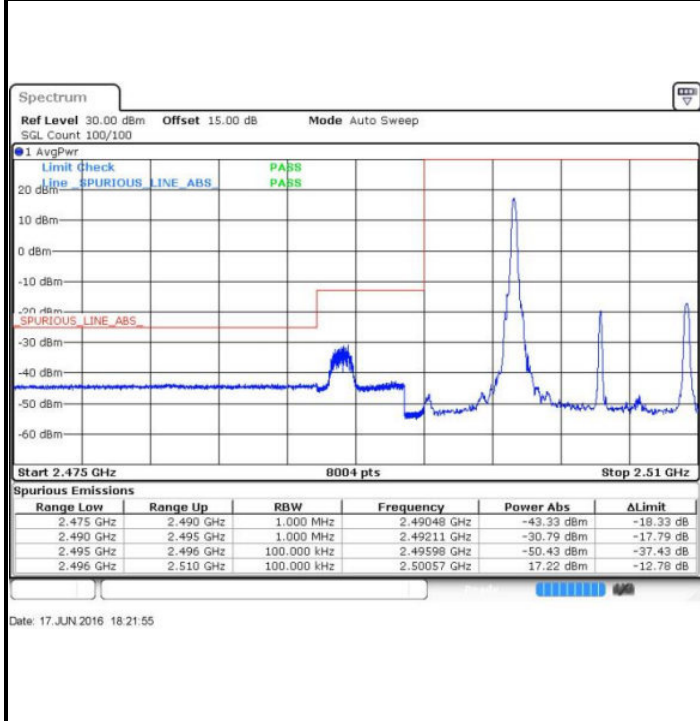


Date: 17 JUN 2016 18:32:40

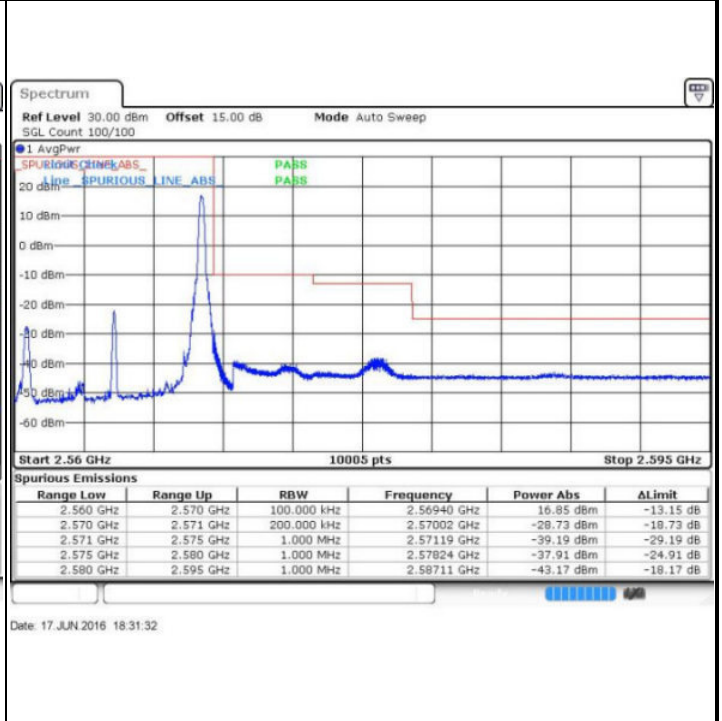


LTE Band 7 / 10MHz / 16QAM

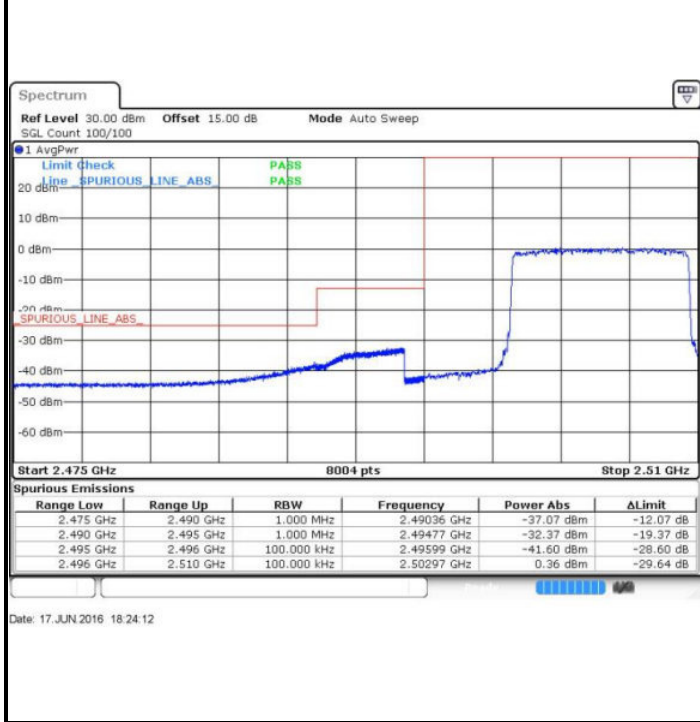
Lowest Band Edge / 1 RB



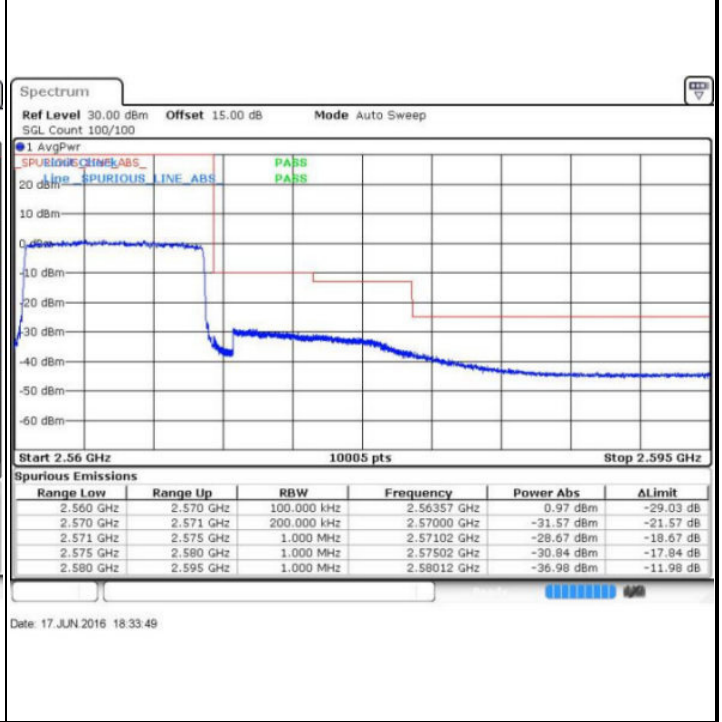
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



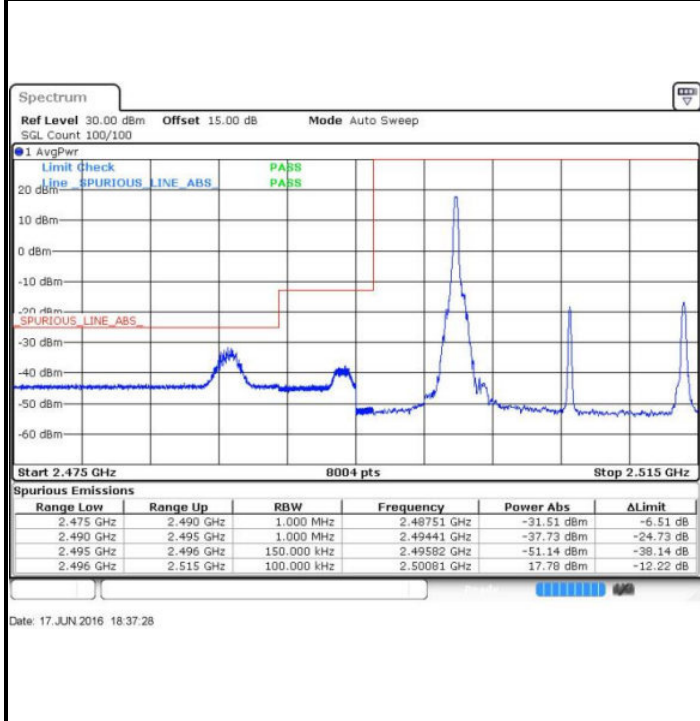
Highest Band Edge / Full RB



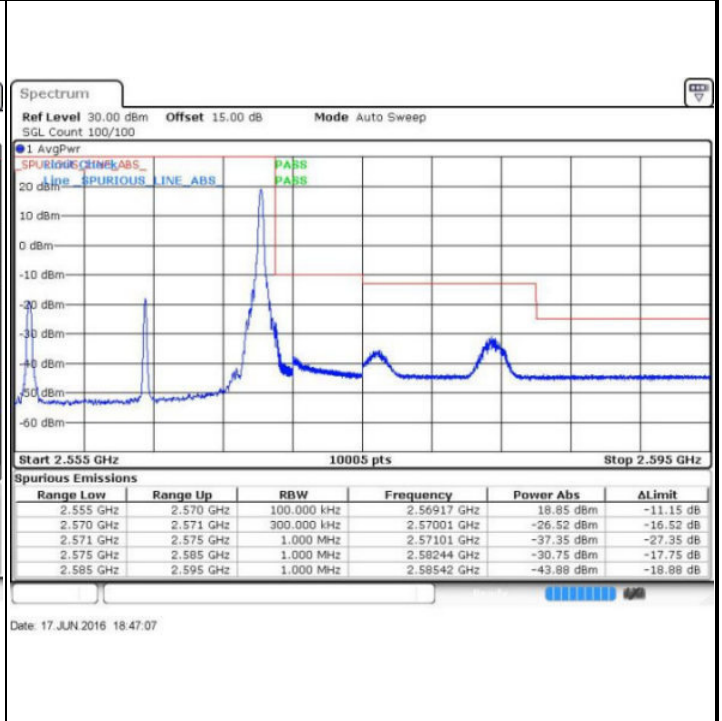


LTE Band 7 / 15MHz / QPSK

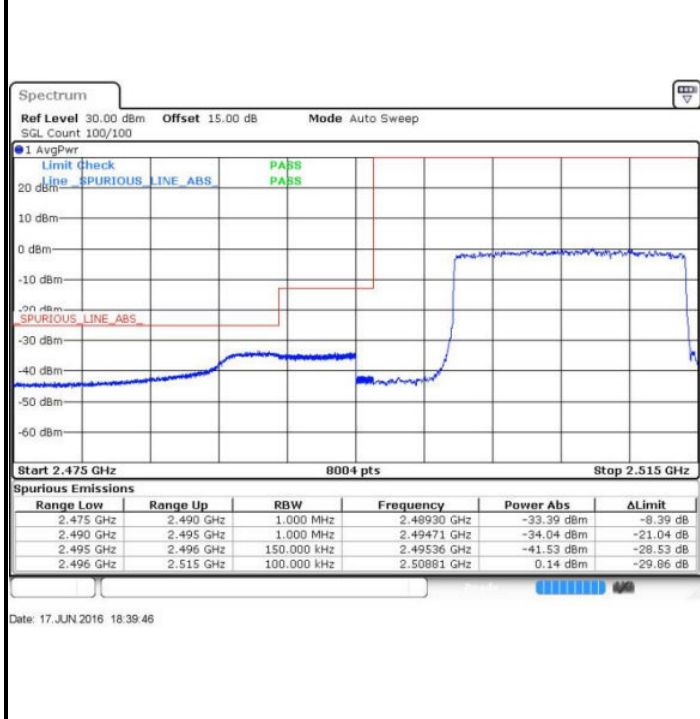
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



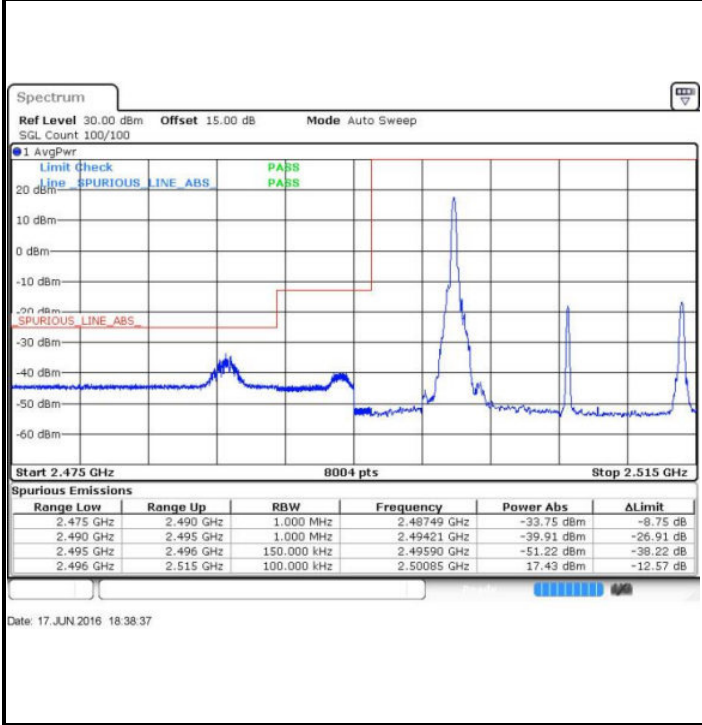
Highest Band Edge / Full RB



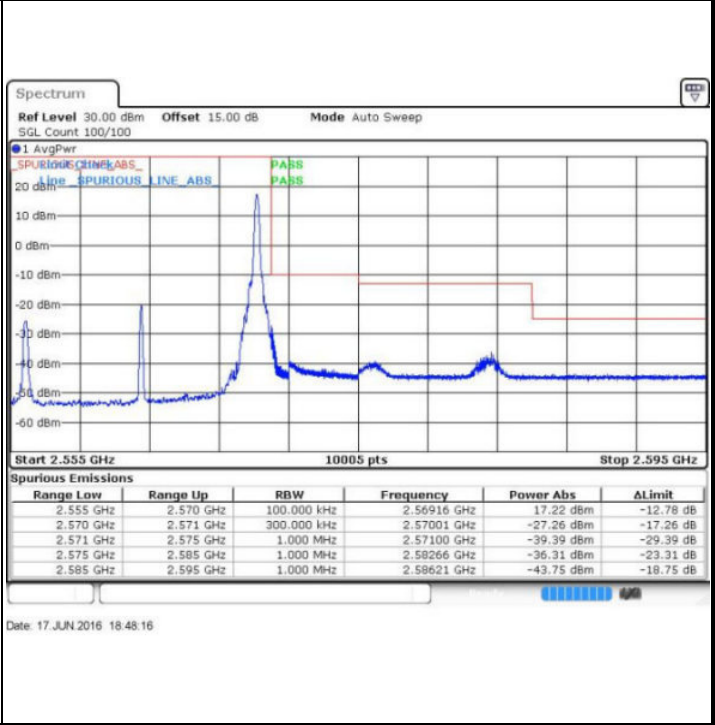


LTE Band 7 / 15MHz / 16QAM

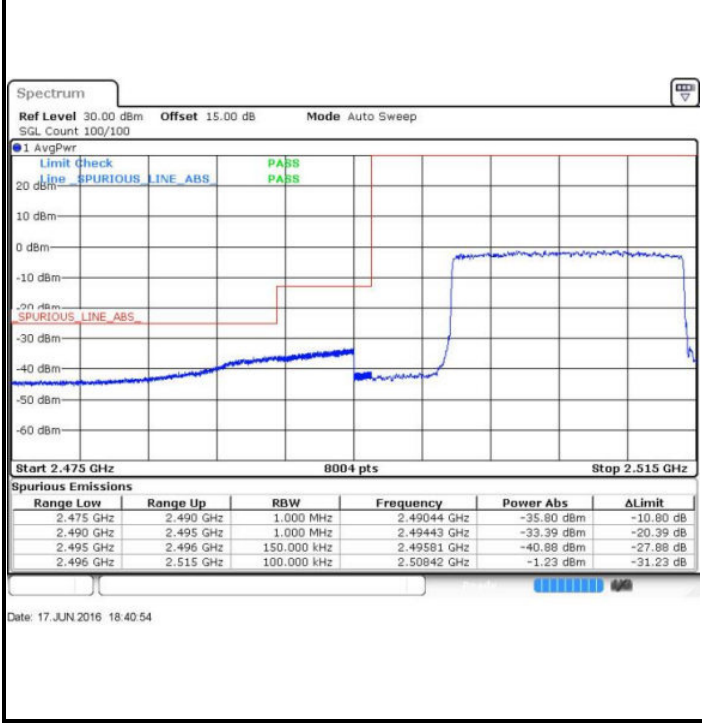
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



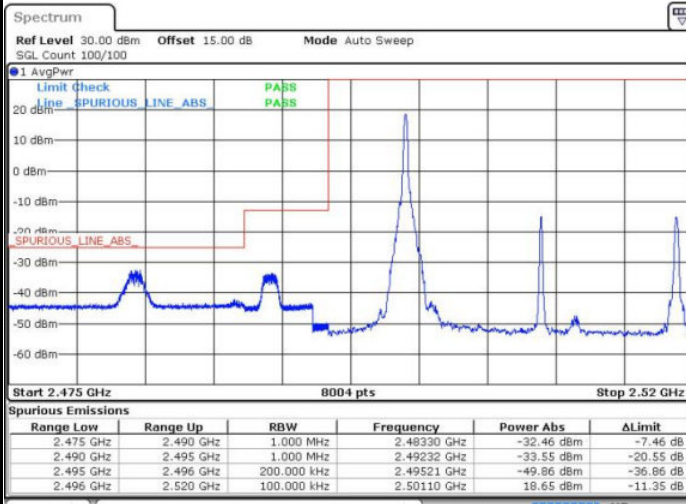
Highest Band Edge / Full RB





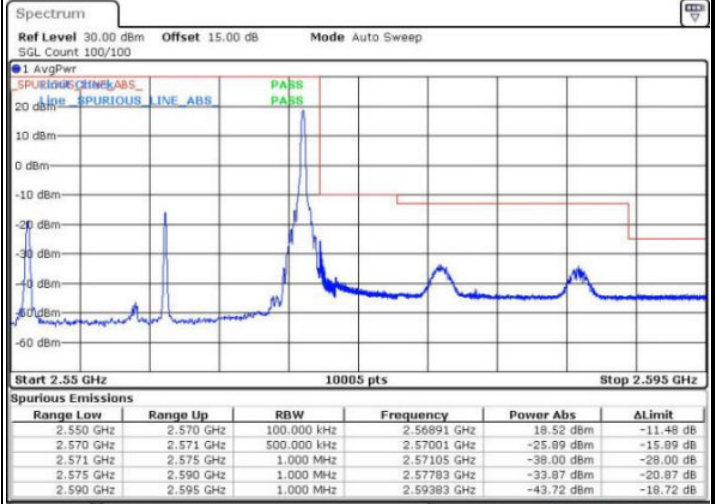
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



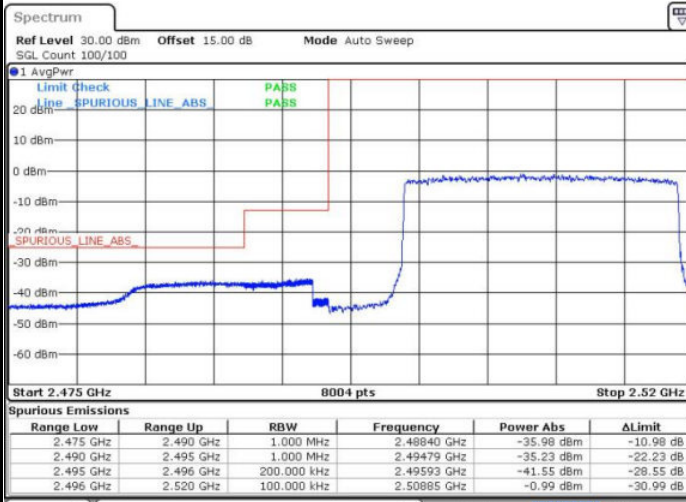
Date: 17 JUN 2016 18:54:14

Highest Band Edge / 1 RB



Date: 17 JUN 2016 19:03:51

Lowest Band Edge / Full RB



Date: 17 JUN 2016 18:56:32

Highest Band Edge / Full RB



Date: 17 JUN 2016 19:07:17