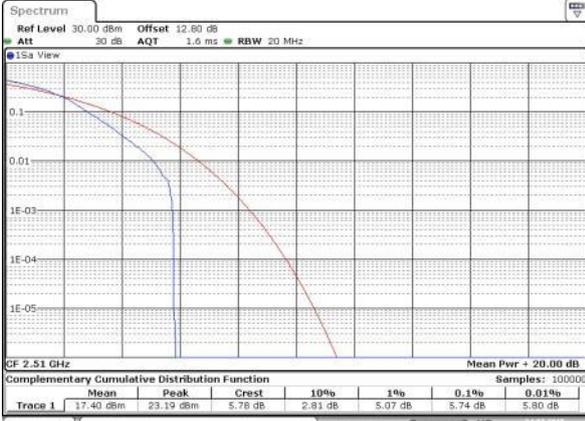




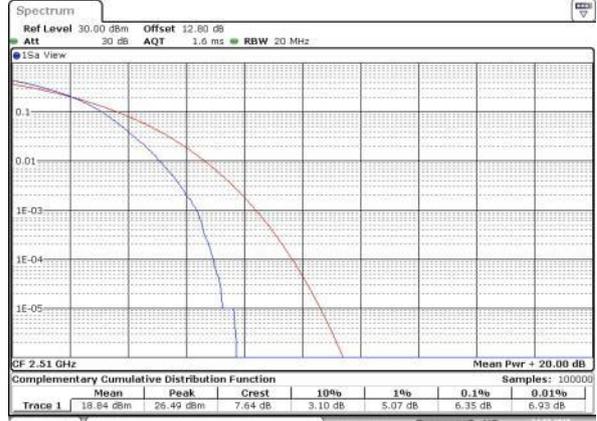
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



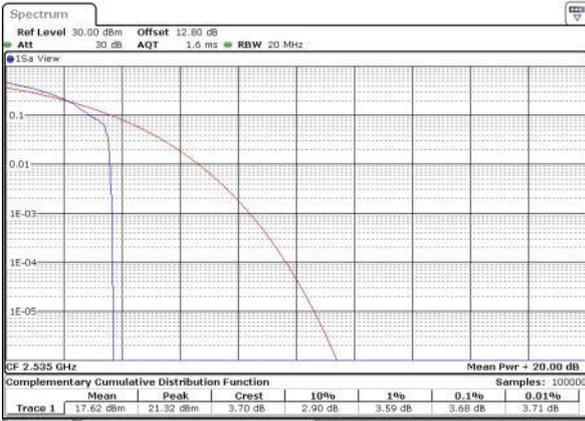
Date: 24.JUL.2015 17:28:48

Lowest Channel / Full RB



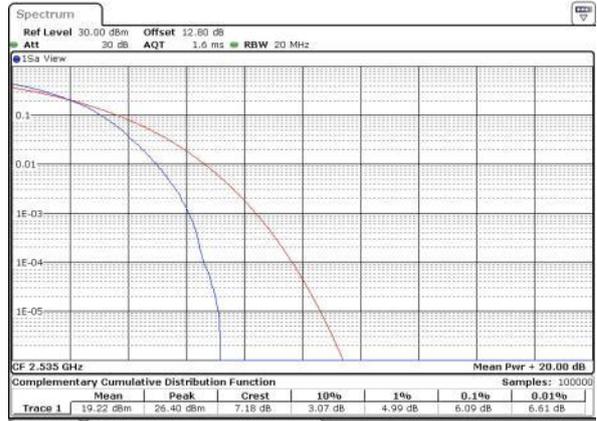
Date: 24.JUL.2015 17:28:58

Middle Channel / 1RB



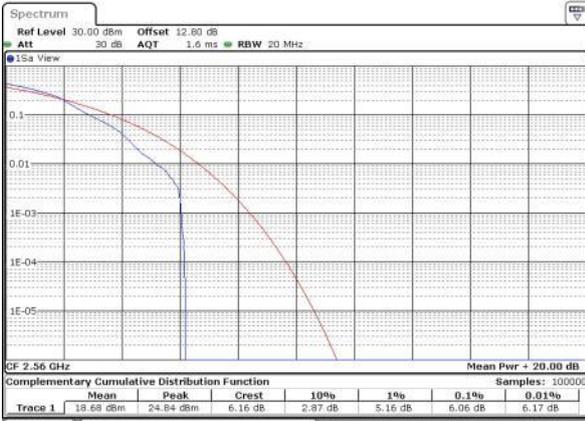
Date: 24.JUL.2015 17:29:08

Middle Channel / Full RB



Date: 24.JUL.2015 17:29:17

Highest Channel / 1RB



Date: 24.JUL.2015 17:29:28

Highest Channel / Full RB



Date: 24.JUL.2015 17:29:38



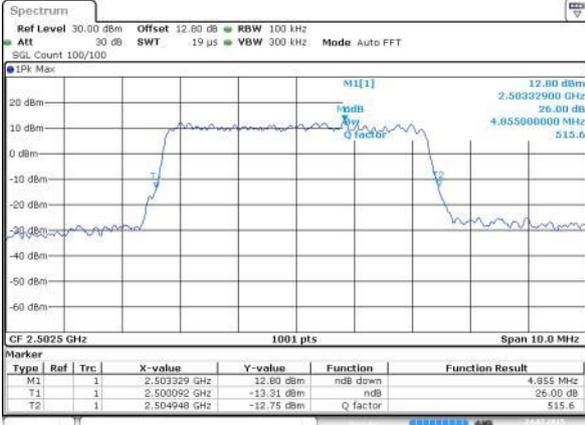
26dB Bandwidth

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	4.93	9.79	9.75	14.51	14.66	20.22	20.38
Middle CH	-	-	-	-	5.02	4.98	9.67	9.77	14.51	14.54	20.14	19.94
Highest CH	-	-	-	-	4.92	4.86	9.65	9.79	14.48	14.51	20.22	20.18



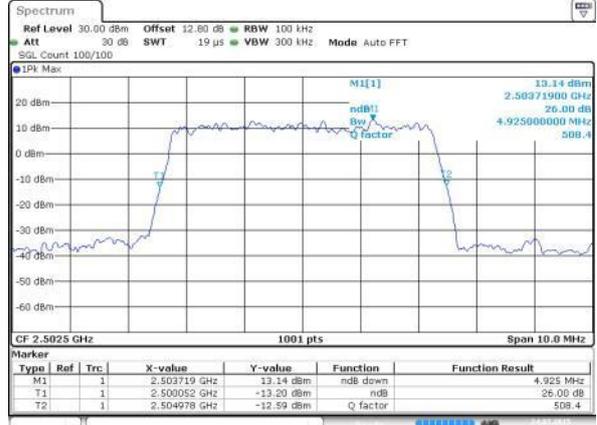
LTE Band 7

Lowest Channel / 5MHz / QPSK



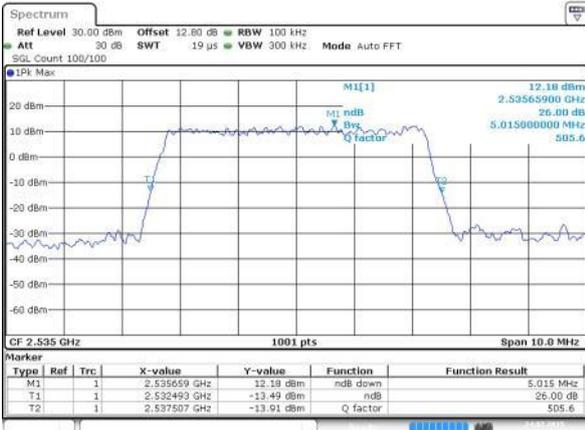
Date: 24 JUL 2015 16:15:24

Lowest Channel / 5MHz / 16QAM



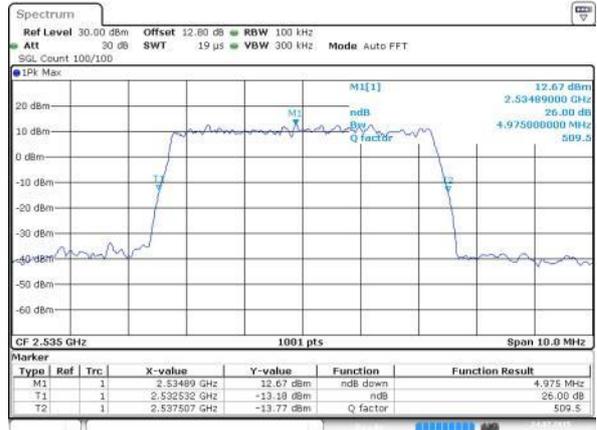
Date: 24 JUL 2015 16:15:35

Middle Channel / 5MHz / QPSK



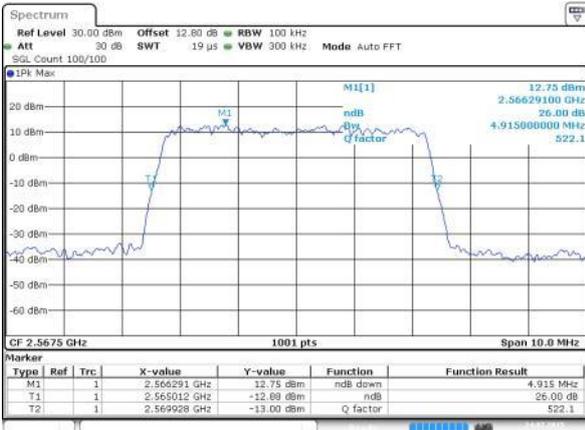
Date: 24 JUL 2015 16:22:34

Middle Channel / 5MHz / 16QAM



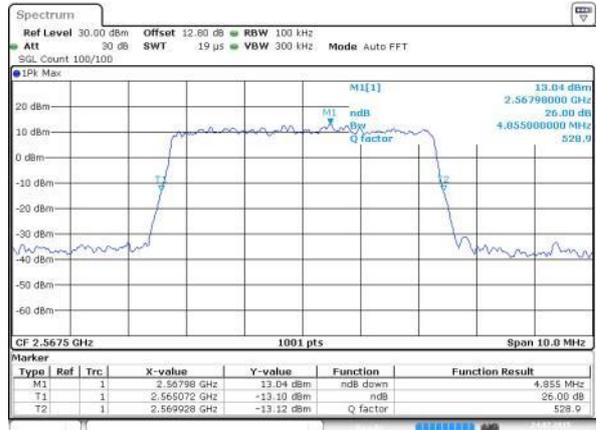
Date: 24 JUL 2015 16:22:45

Highest Channel / 5MHz / QPSK



Date: 24 JUL 2015 16:25:05

Highest Channel / 5MHz / 16QAM

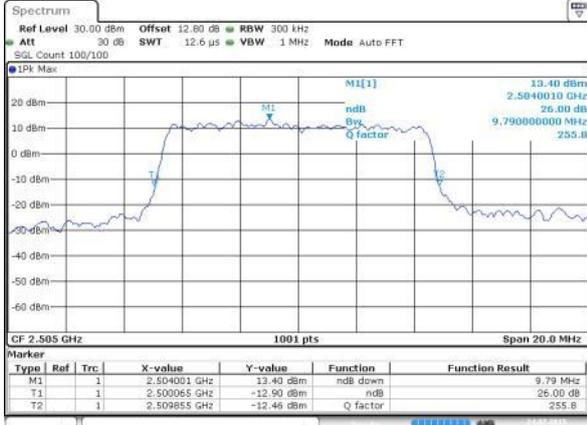


Date: 24 JUL 2015 16:25:16



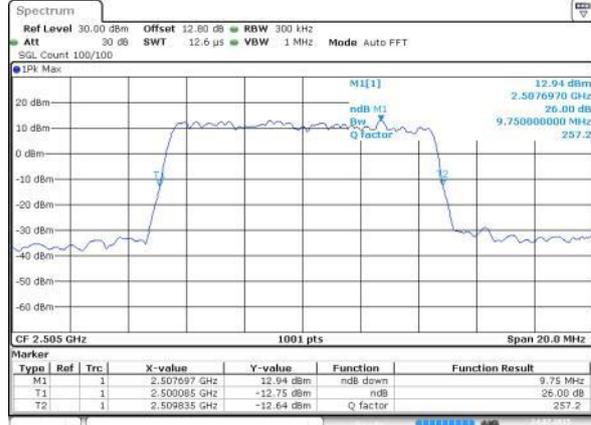
LTE Band 7

Lowest Channel / 10MHz / QPSK



Date: 24 JUL 2015 16:32:17

Lowest Channel / 10MHz / 16QAM



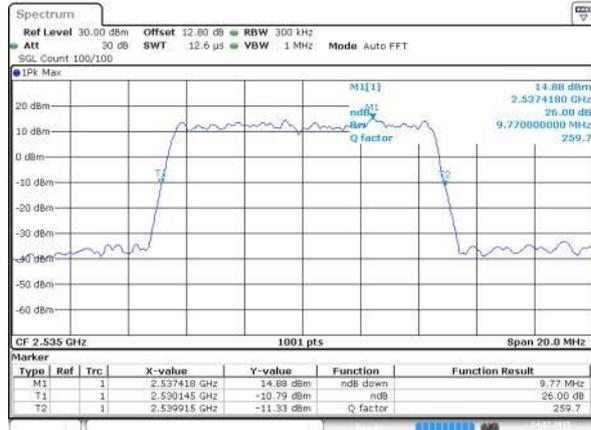
Date: 24 JUL 2015 16:32:28

Middle Channel / 10MHz / QPSK



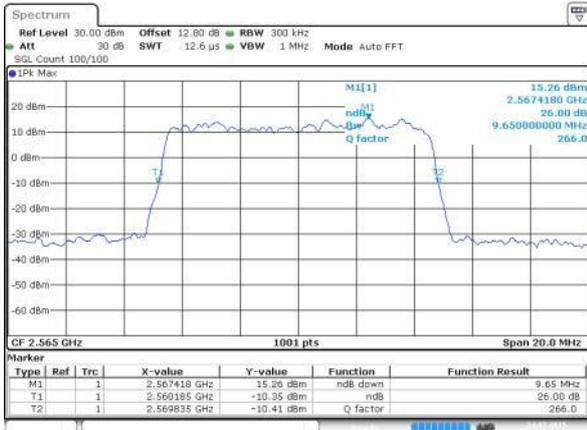
Date: 24 JUL 2015 16:39:27

Middle Channel / 10MHz / 16QAM



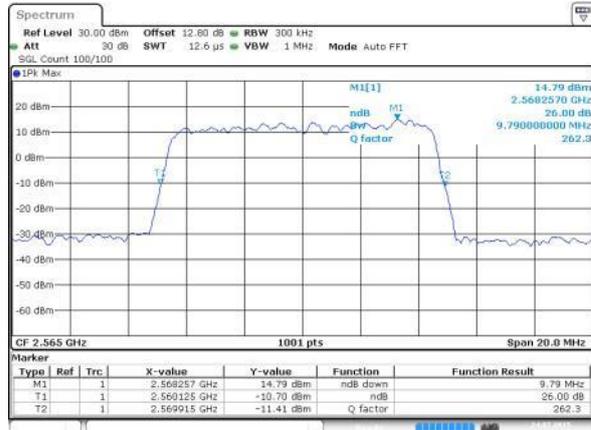
Date: 24 JUL 2015 16:39:37

Highest Channel / 10MHz / QPSK



Date: 24 JUL 2015 16:41:58

Highest Channel / 10MHz / 16QAM

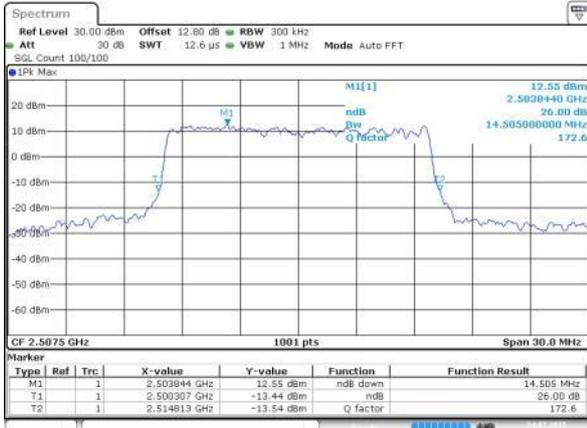


Date: 24 JUL 2015 16:42:08



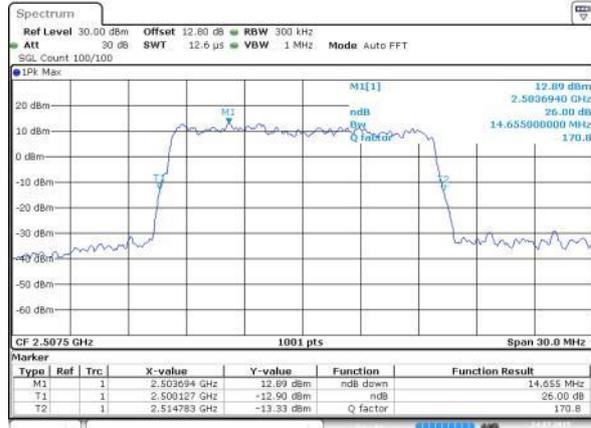
LTE Band 7

Lowest Channel / 15MHz / QPSK



Date: 24 JUL 2015 16:49:08

Lowest Channel / 15MHz / 16QAM



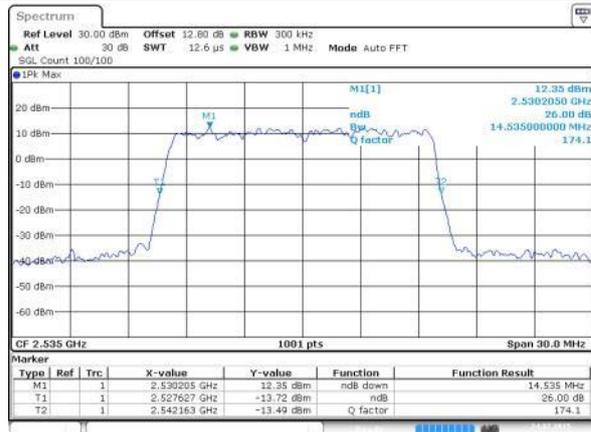
Date: 24 JUL 2015 16:49:19

Middle Channel / 15MHz / QPSK



Date: 24 JUL 2015 16:56:18

Middle Channel / 15MHz / 16QAM



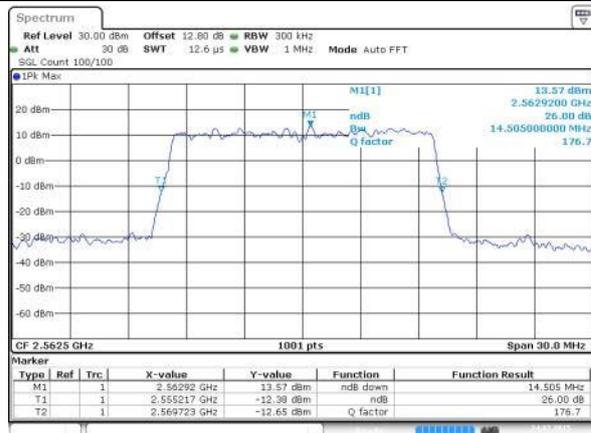
Date: 24 JUL 2015 16:56:29

Highest Channel / 15MHz / QPSK



Date: 24 JUL 2015 16:58:49

Highest Channel / 15MHz / 16QAM

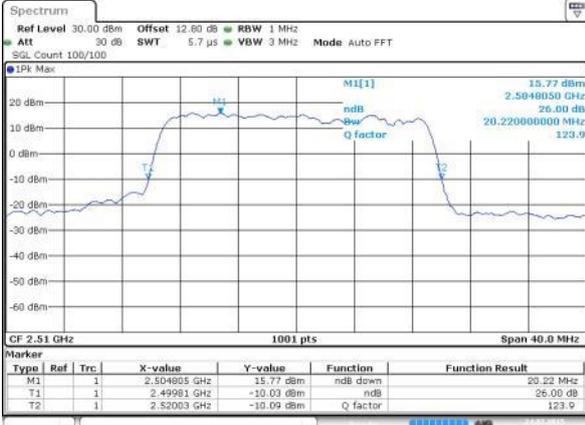


Date: 24 JUL 2015 16:58:59



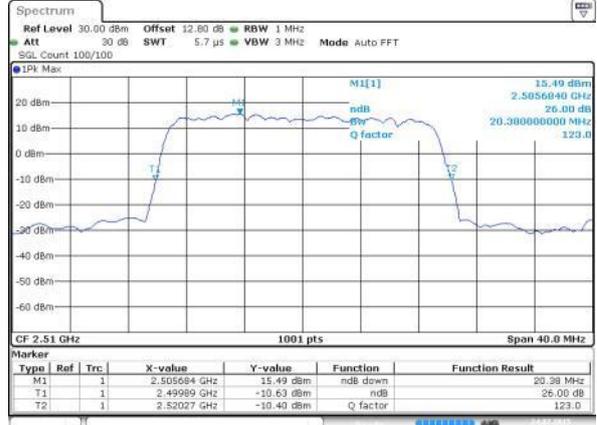
LTE Band 7

Lowest Channel / 20MHz / QPSK



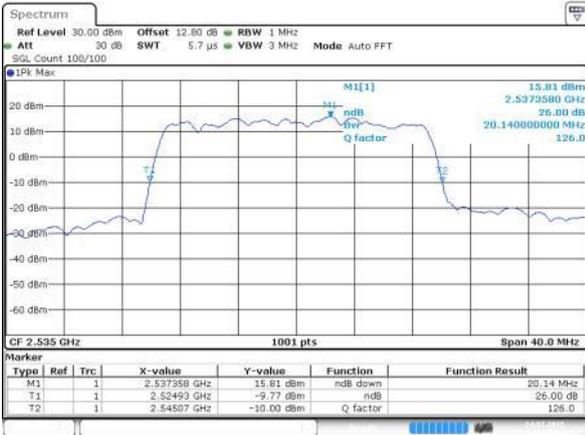
Date: 24.JUL.2015 17:05:59

Lowest Channel / 20MHz / 16QAM



Date: 24.JUL.2015 17:06:10

Middle Channel / 20MHz / QPSK



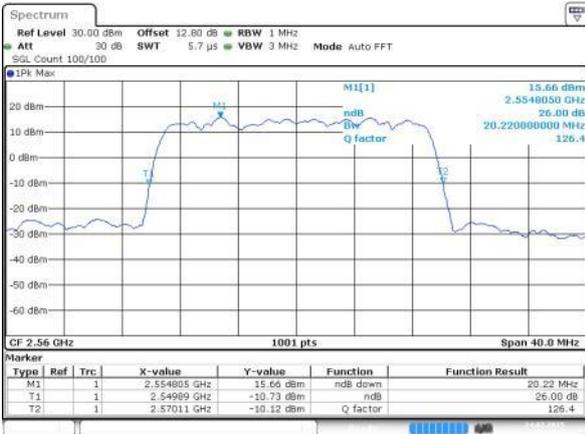
Date: 24.JUL.2015 17:13:09

Middle Channel / 20MHz / 16QAM



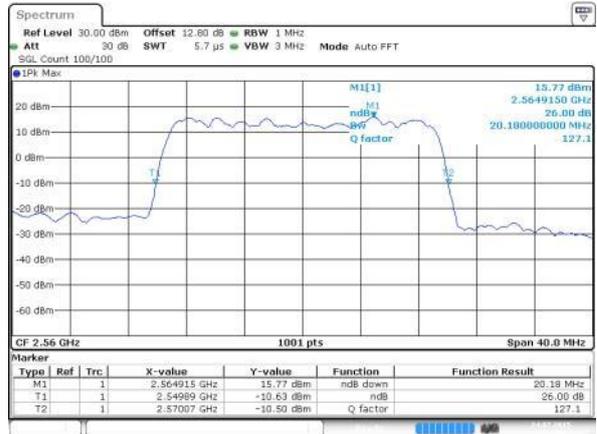
Date: 24.JUL.2015 17:13:20

Highest Channel / 20MHz / QPSK



Date: 24.JUL.2015 17:15:40

Highest Channel / 20MHz / 16QAM



Date: 24.JUL.2015 17:15:50



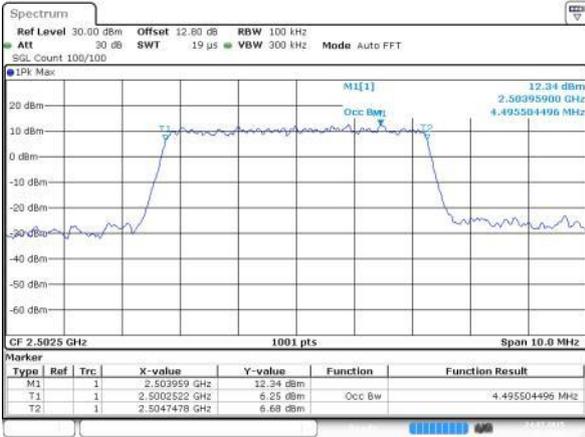
Occupied Bandwidth

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	-	-	-	-	4.50	4.49	9.03	9.03	13.43	13.46	18.50	18.50
Middle CH	-	-	-	-	4.51	4.51	8.99	9.01	13.43	13.49	18.30	18.26
Highest CH	-	-	-	-	4.51	4.49	9.05	9.03	13.43	13.37	18.46	18.46



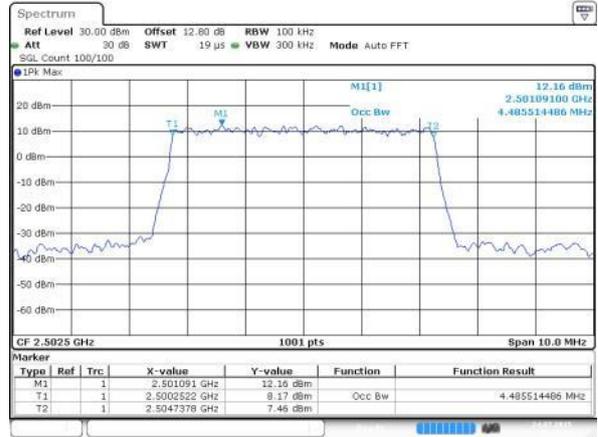
LTE Band 7

Lowest Channel / 5MHz / QPSK



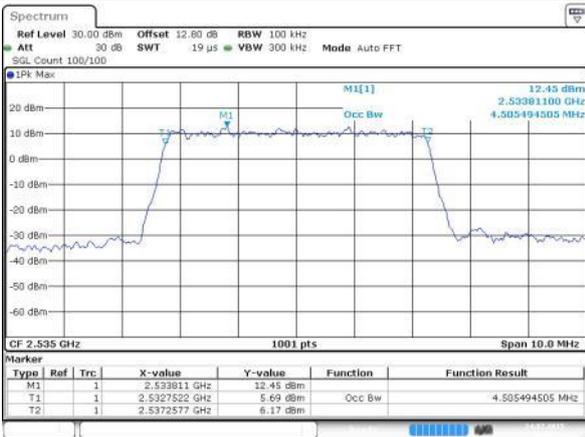
Date: 24 JUL 2015 16:15:03

Lowest Channel / 5MHz / 16QAM



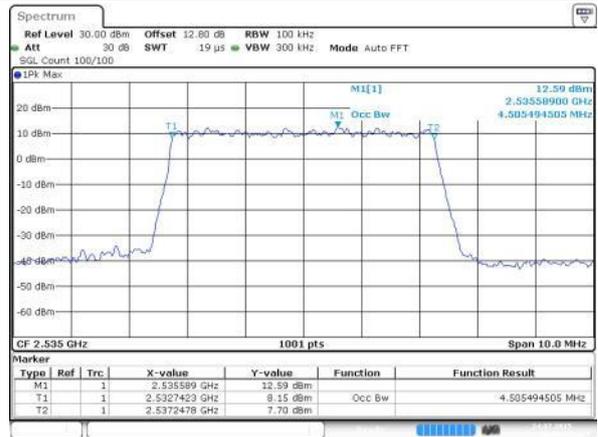
Date: 24 JUL 2015 16:15:14

Middle Channel / 5MHz / QPSK



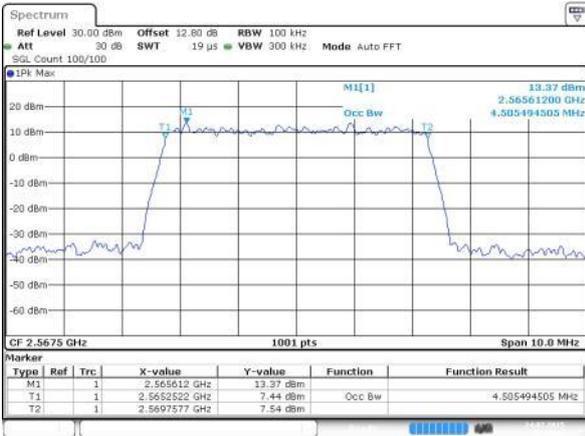
Date: 24 JUL 2015 16:22:13

Middle Channel / 5MHz / 16QAM



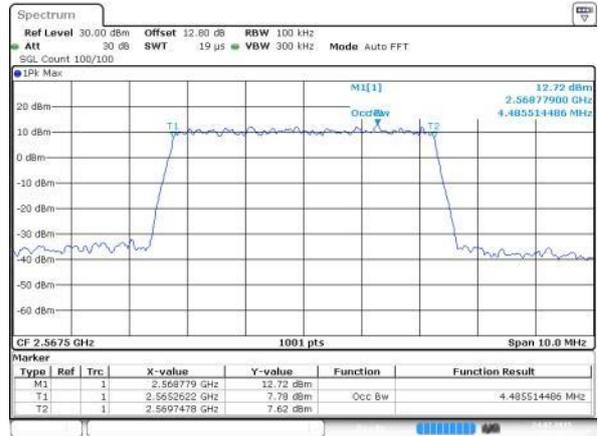
Date: 24 JUL 2015 16:22:24

Highest Channel / 5MHz / QPSK



Date: 24 JUL 2015 16:24:44

Highest Channel / 5MHz / 16QAM

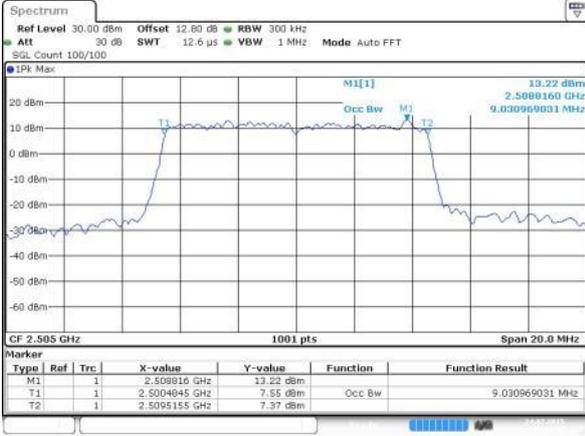


Date: 24 JUL 2015 16:24:55



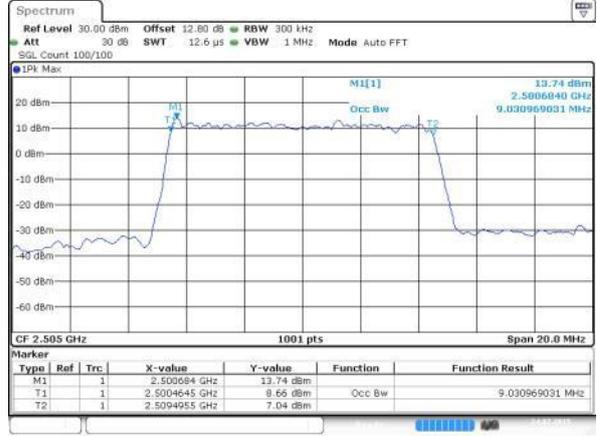
LTE Band 7

Lowest Channel / 10MHz / QPSK



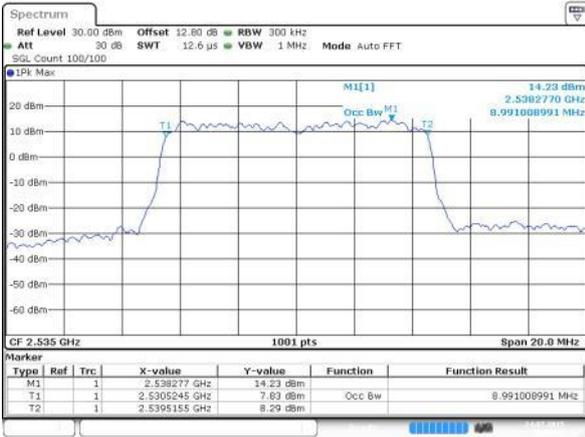
Date: 24 JUL 2015 16:31:56

Lowest Channel / 10MHz / 16QAM



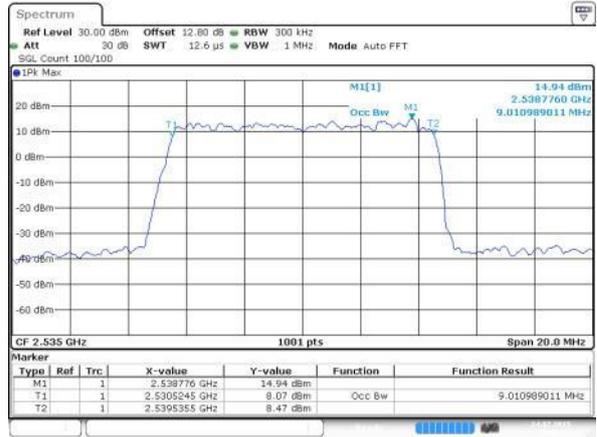
Date: 24 JUL 2015 16:32:07

Middle Channel / 10MHz / QPSK



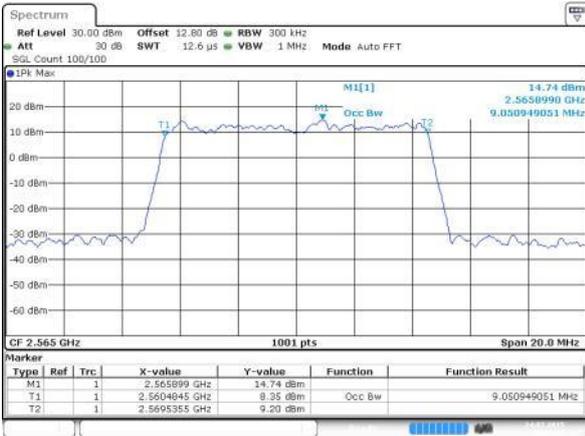
Date: 24 JUL 2015 16:39:05

Middle Channel / 10MHz / 16QAM



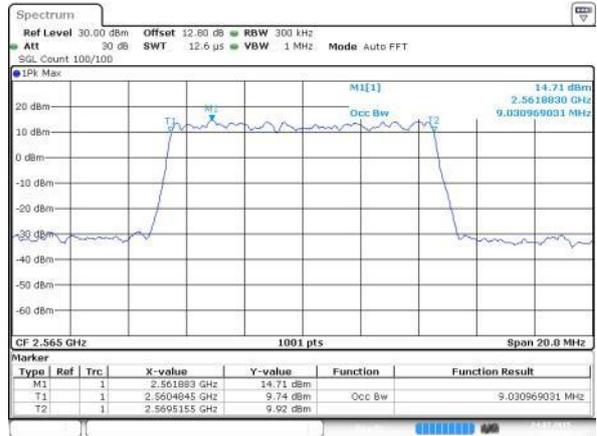
Date: 24 JUL 2015 16:39:16

Highest Channel / 10MHz / QPSK



Date: 24 JUL 2015 16:41:37

Highest Channel / 10MHz / 16QAM

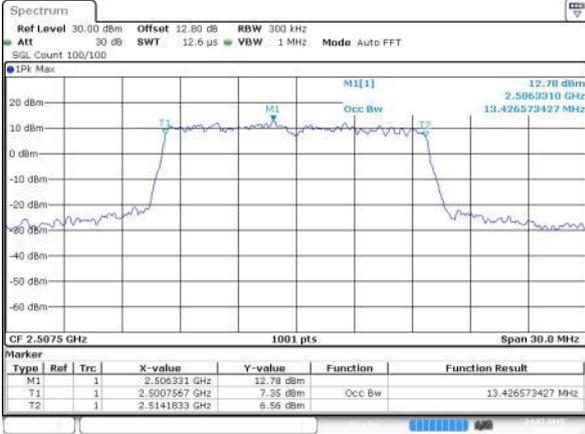


Date: 24 JUL 2015 16:41:47



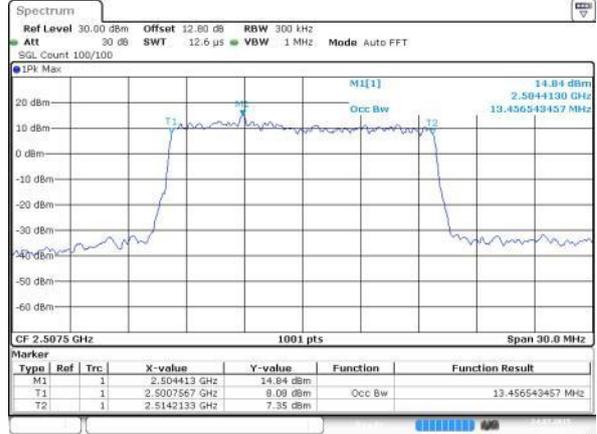
LTE Band 7

Lowest Channel / 15MHz / QPSK



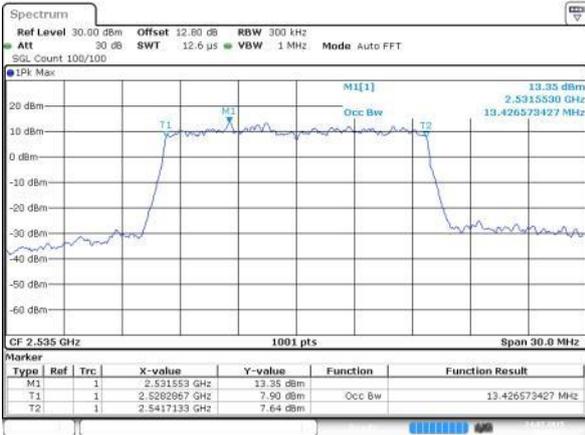
Date: 24 JUL 2015 16:48:47

Lowest Channel / 15MHz / 16QAM



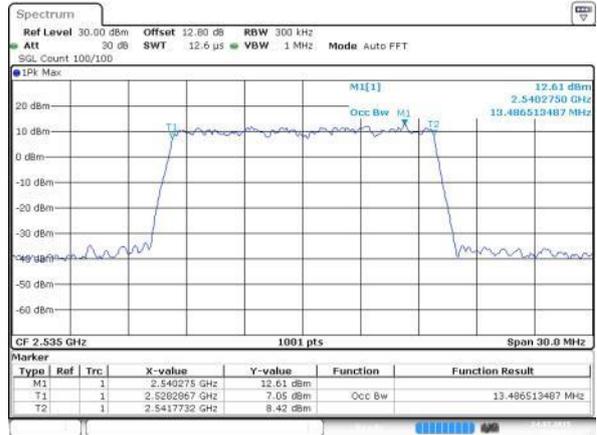
Date: 24 JUL 2015 16:48:58

Middle Channel / 15MHz / QPSK



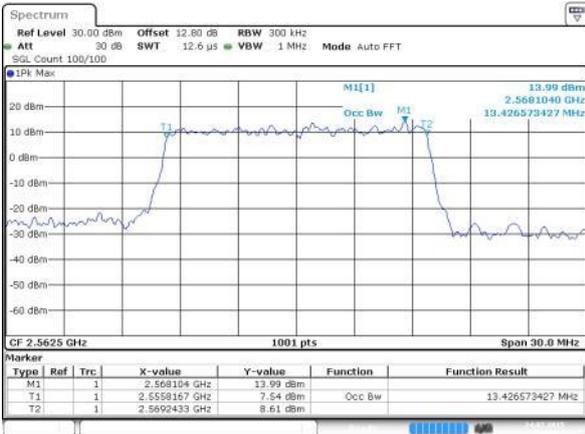
Date: 24 JUL 2015 16:55:57

Middle Channel / 15MHz / 16QAM



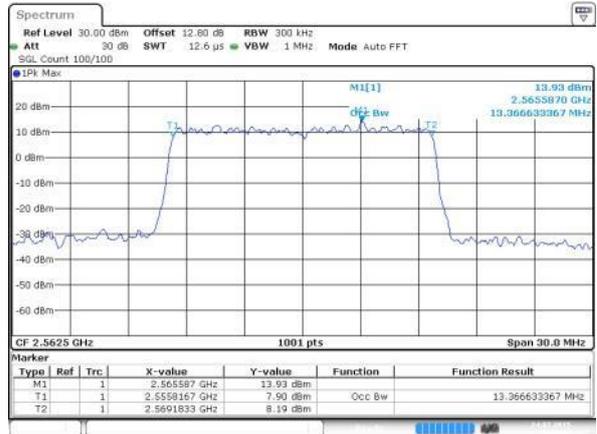
Date: 24 JUL 2015 16:56:08

Highest Channel / 15MHz / QPSK



Date: 24 JUL 2015 16:58:28

Highest Channel / 15MHz / 16QAM

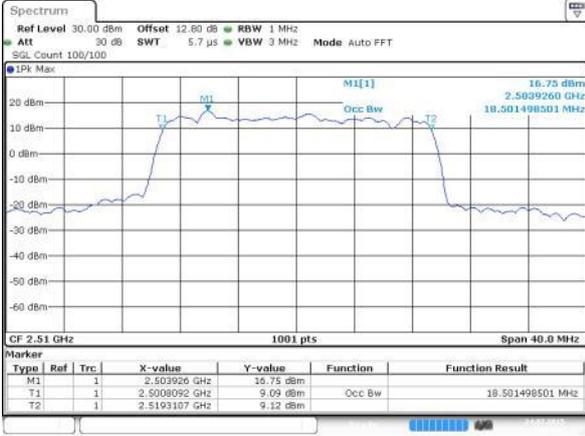


Date: 24 JUL 2015 16:58:38



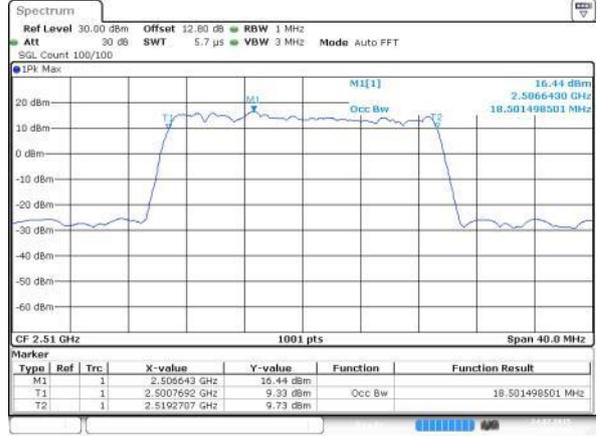
LTE Band 7

Lowest Channel / 20MHz / QPSK



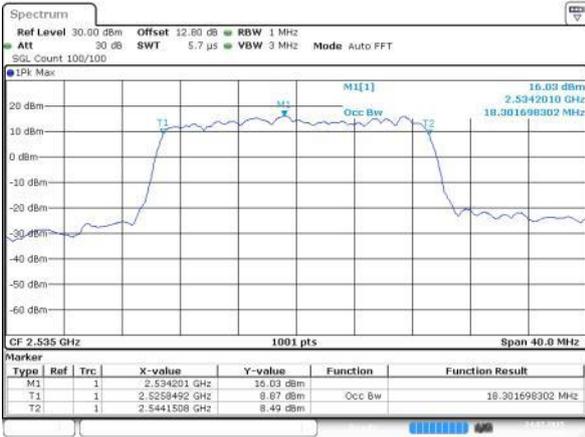
Date: 24.JUL.2015 17:05:38

Lowest Channel / 20MHz / 16QAM



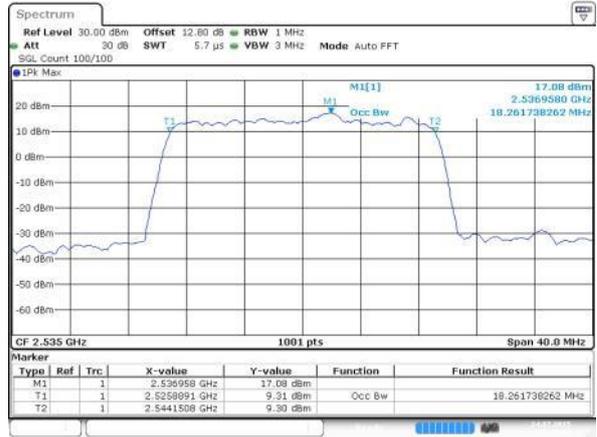
Date: 24.JUL.2015 17:05:49

Middle Channel / 20MHz / QPSK



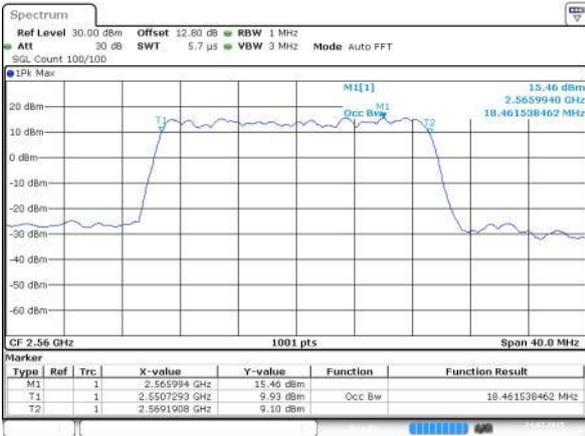
Date: 24.JUL.2015 17:12:48

Middle Channel / 20MHz / 16QAM



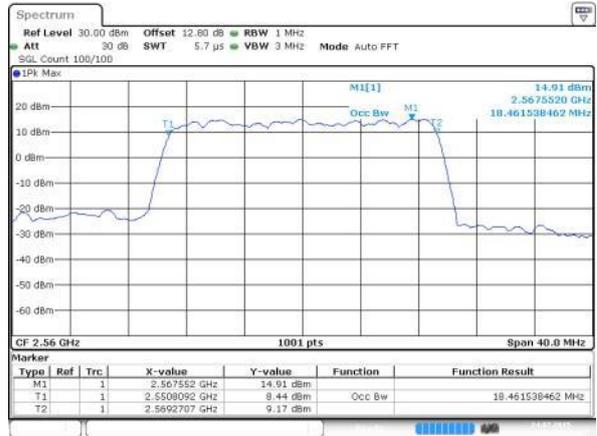
Date: 24.JUL.2015 17:12:59

Highest Channel / 20MHz / QPSK



Date: 24.JUL.2015 17:15:19

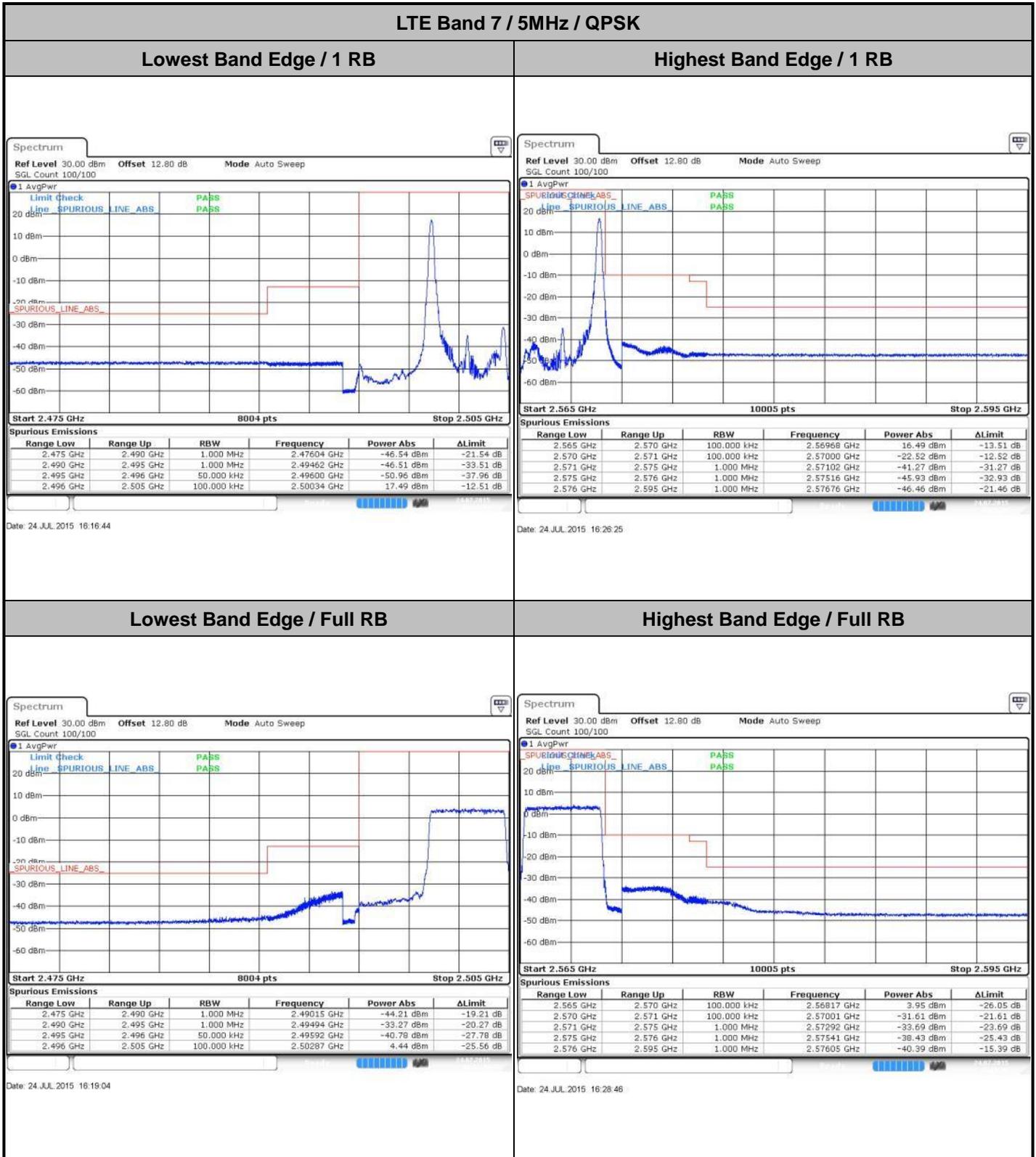
Highest Channel / 20MHz / 16QAM



Date: 24.JUL.2015 17:15:29



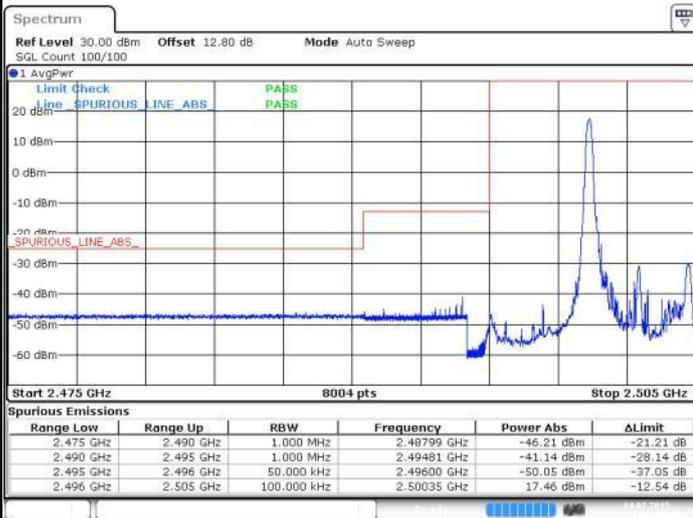
Conducted Band Edge





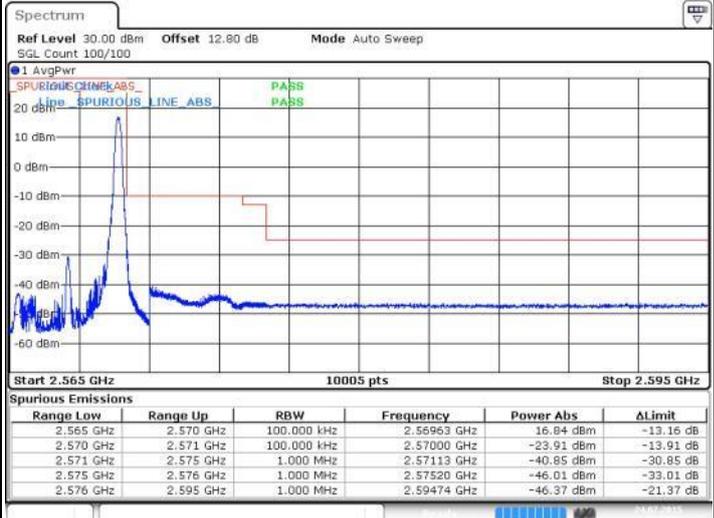
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



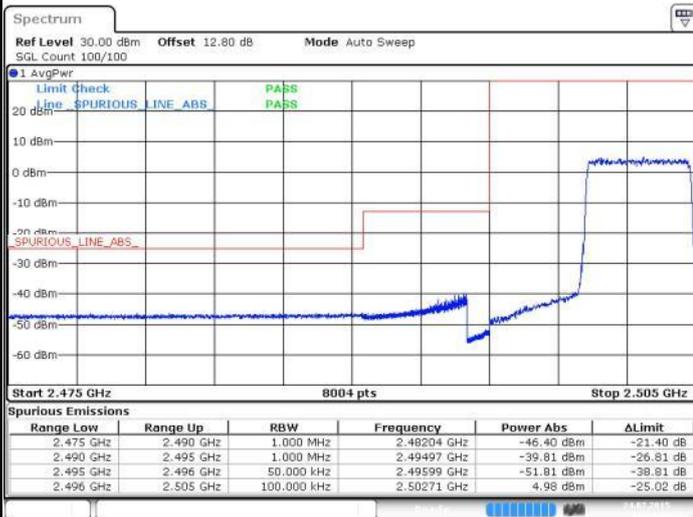
Date: 24.JUL.2015 16:17:54

Highest Band Edge / 1 RB



Date: 24.JUL.2015 16:27:36

Lowest Band Edge / Full RB



Date: 24.JUL.2015 16:20:14

Highest Band Edge / Full RB

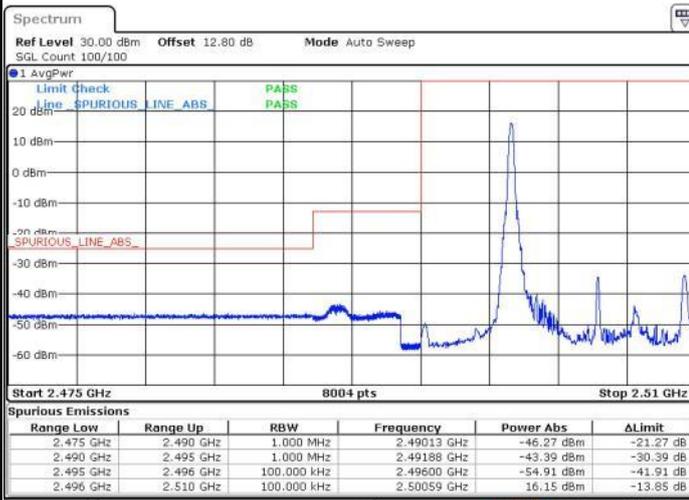


Date: 24.JUL.2015 16:29:56



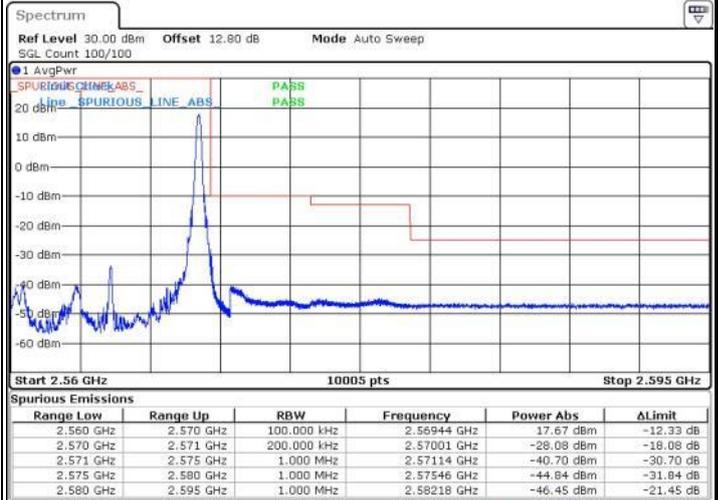
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



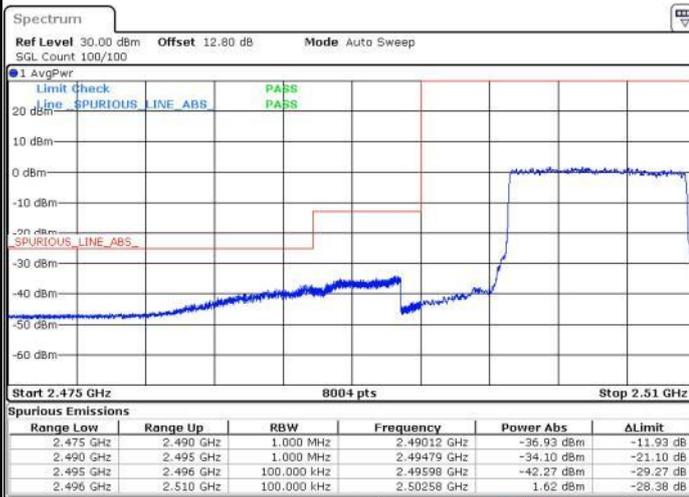
Date: 24 JUL 2015 16:33:37

Highest Band Edge / 1 RB



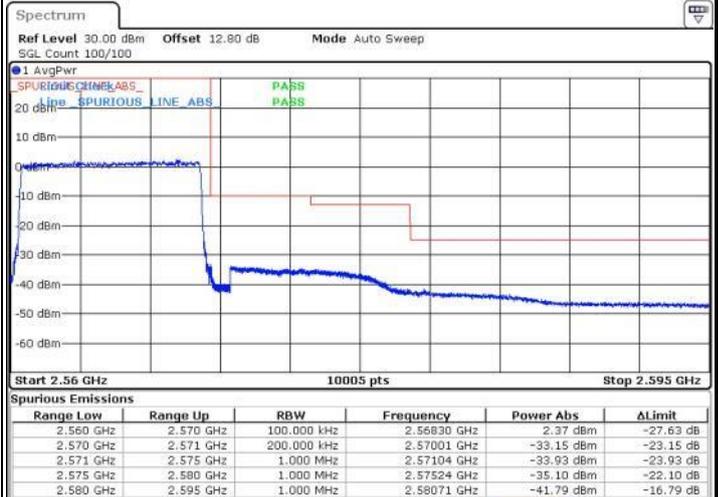
Date: 24 JUL 2015 16:43:18

Lowest Band Edge / Full RB



Date: 24 JUL 2015 16:35:57

Highest Band Edge / Full RB



Date: 24 JUL 2015 16:45:38



LTE Band 7 / 10MHz / 16QAM

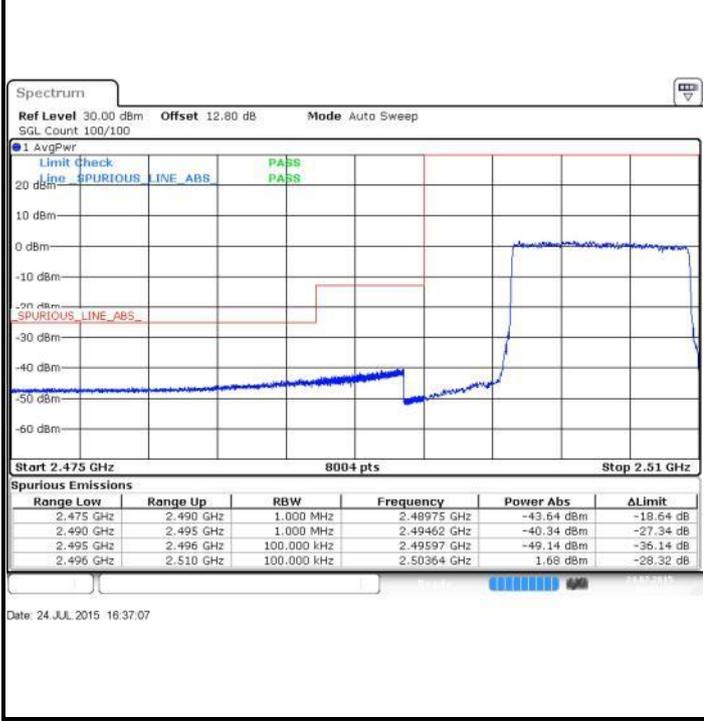
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



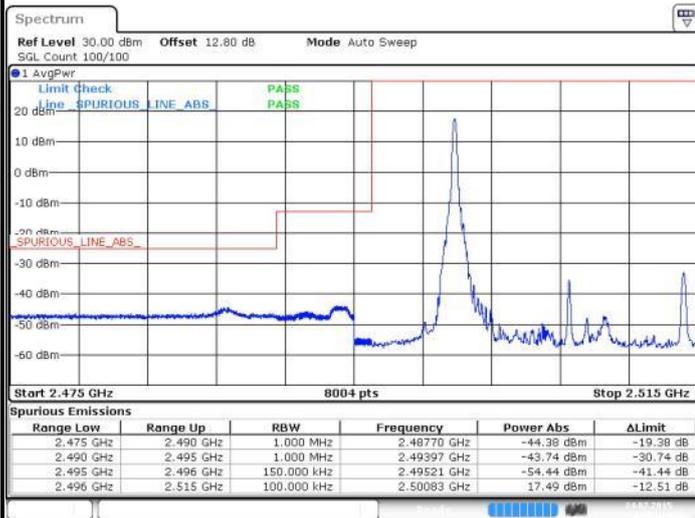
Highest Band Edge / Full RB





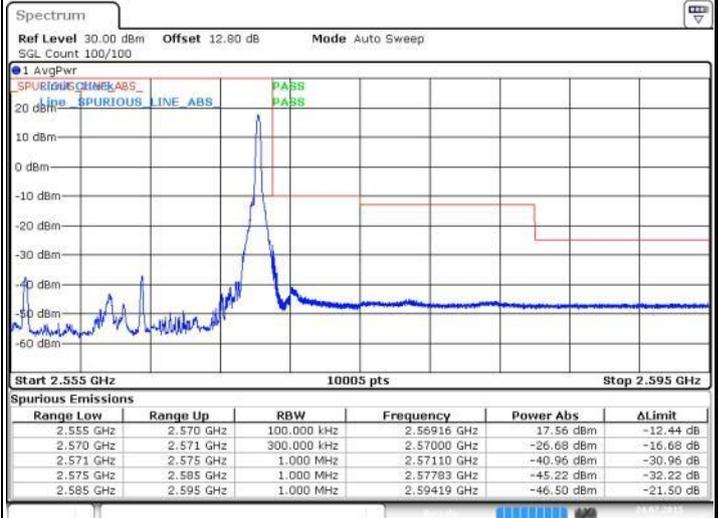
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



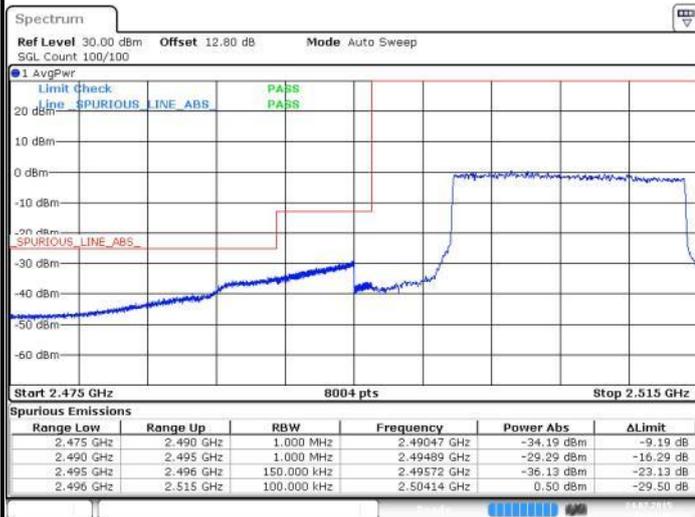
Date: 24.JUL.2015 16:50:28

Highest Band Edge / 1 RB



Date: 24.JUL.2015 17:00:09

Lowest Band Edge / Full RB



Date: 24.JUL.2015 16:52:48

Highest Band Edge / Full RB

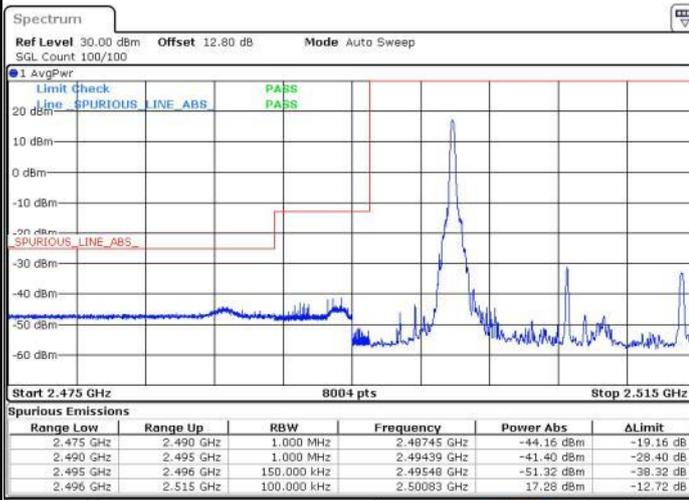


Date: 24.JUL.2015 17:02:29



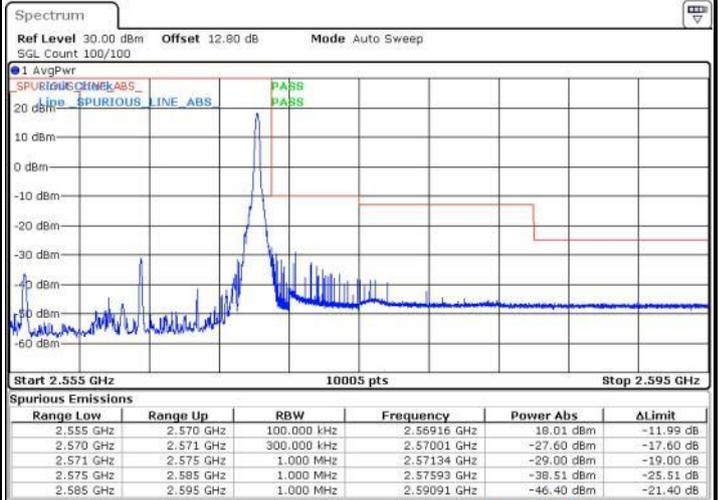
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



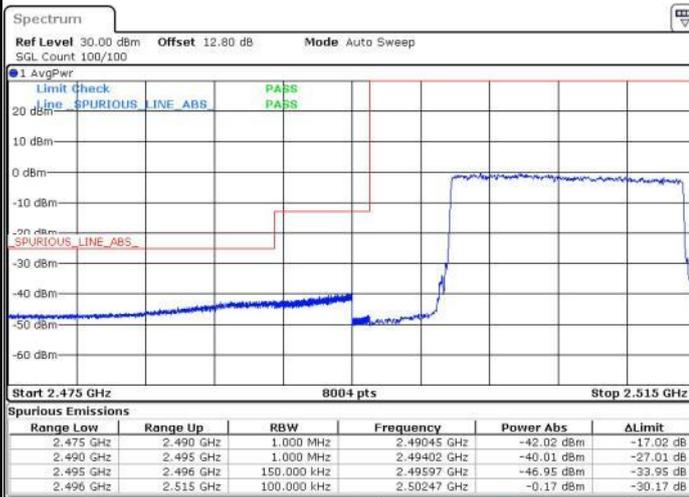
Date: 24 JUL 2015 18:51:38

Highest Band Edge / 1 RB



Date: 24 JUL 2015 17:01:19

Lowest Band Edge / Full RB



Date: 24 JUL 2015 18:53:58

Highest Band Edge / Full RB

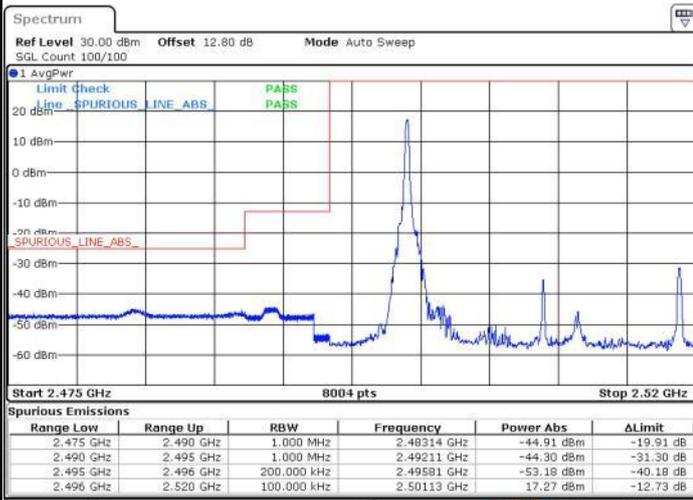


Date: 24 JUL 2015 17:03:39



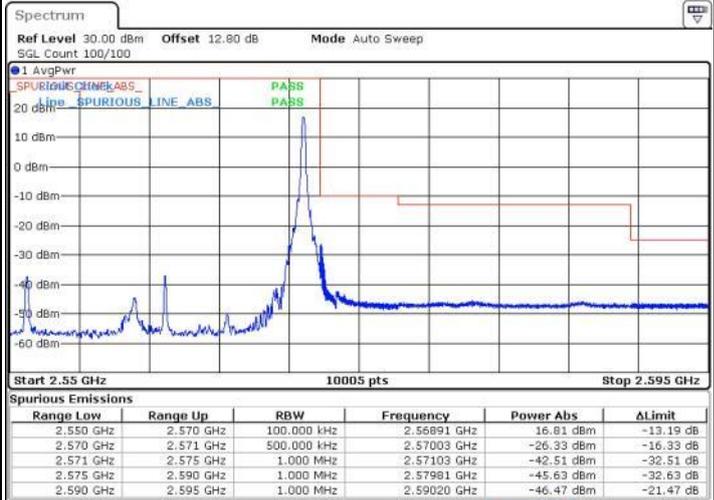
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



Date: 24.JUL.2015 17:07:19

Highest Band Edge / 1 RB



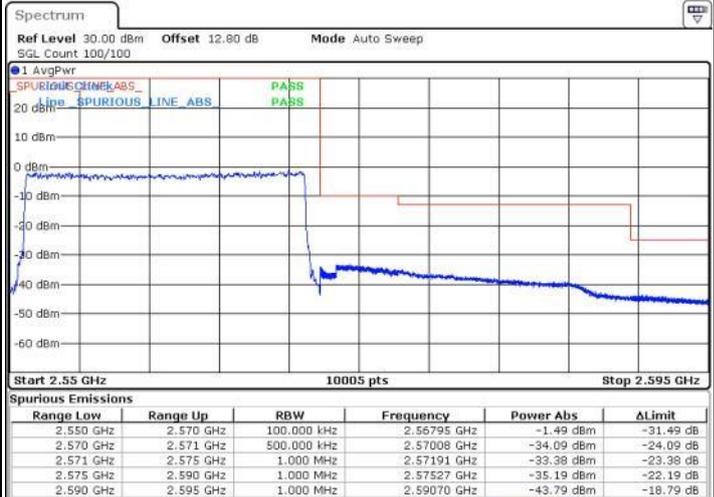
Date: 24.JUL.2015 17:17:00

Lowest Band Edge / Full RB



Date: 24.JUL.2015 17:09:39

Highest Band Edge / Full RB

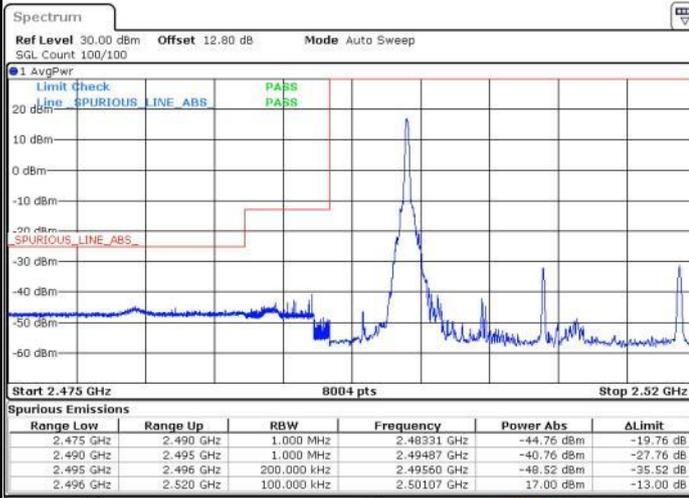


Date: 24.JUL.2015 17:20:30



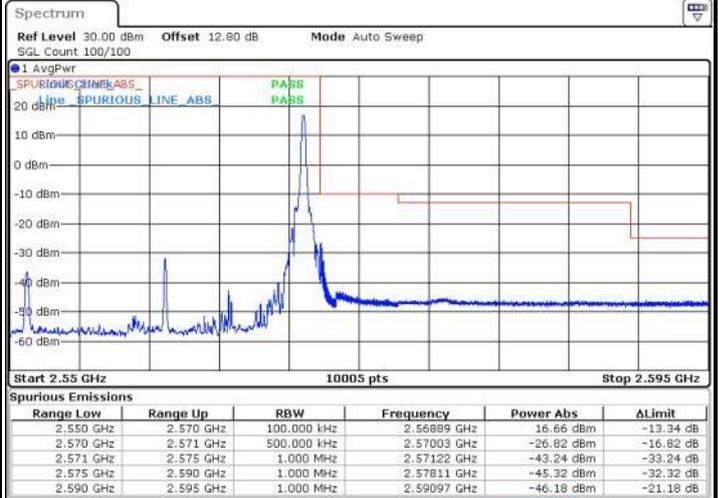
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



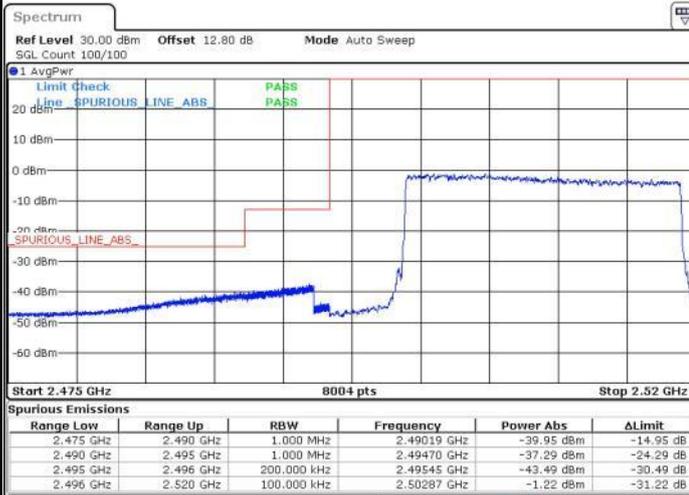
Date: 24 JUL 2015 17:08:29

Highest Band Edge / 1RB



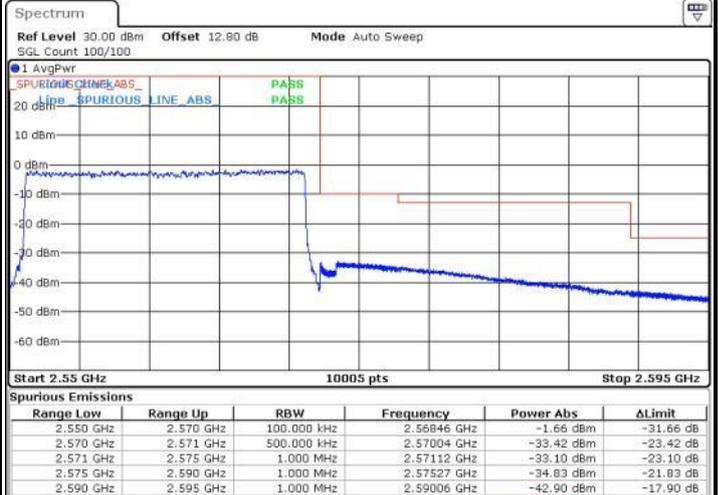
Date: 24 JUL 2015 17:18:10

Lowest Band Edge / Full RB



Date: 24 JUL 2015 17:10:49

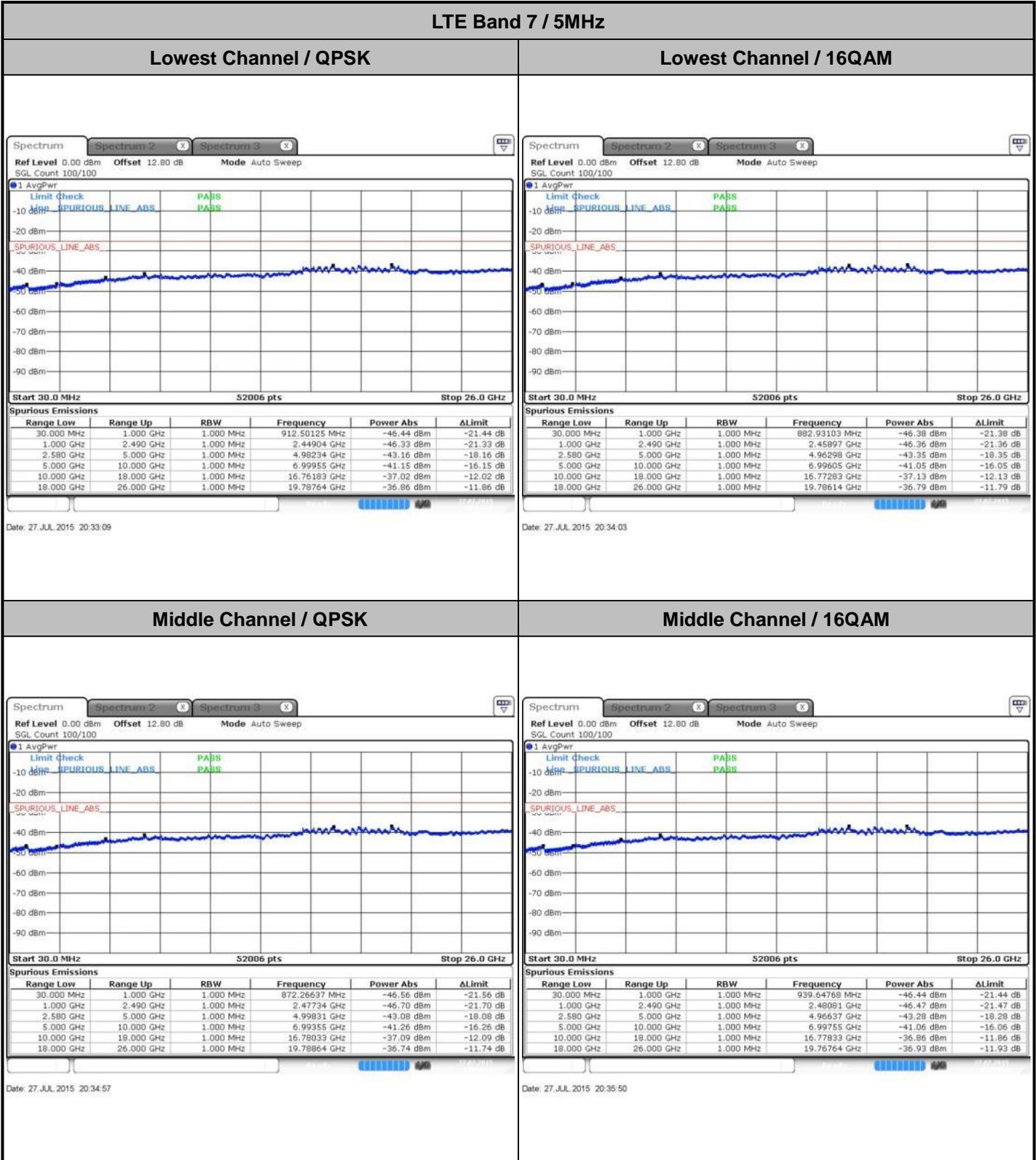
Highest Band Edge / Full RB



Date: 24 JUL 2015 17:19:20



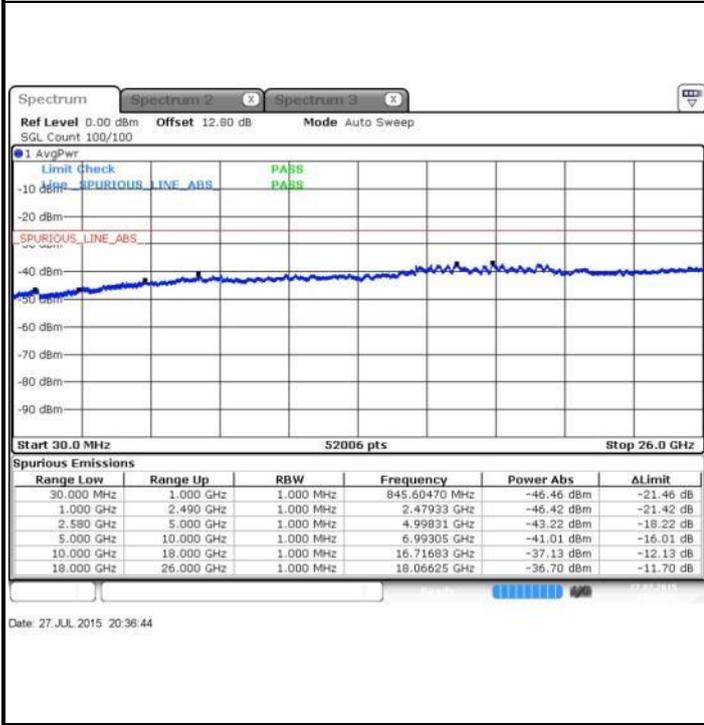
Conducted Spurious Emission



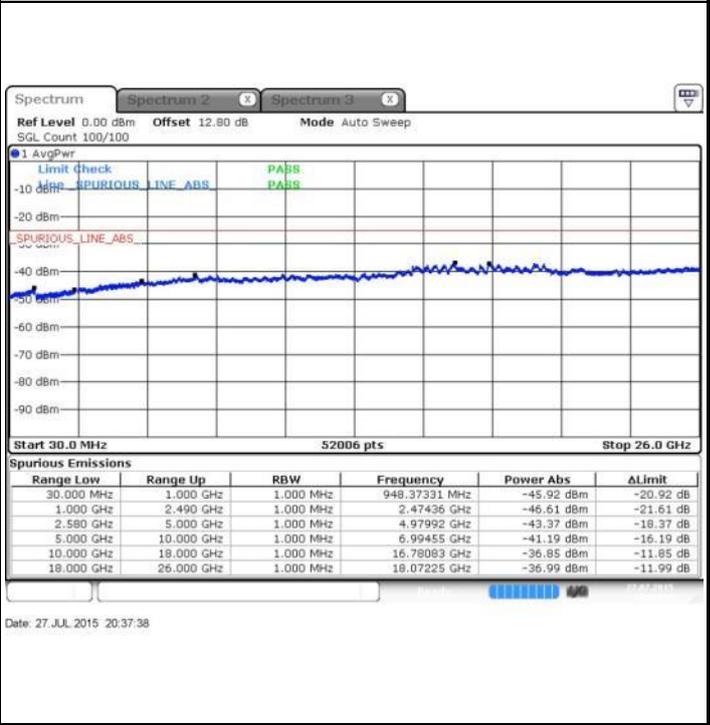


LTE Band 7 / 5MHz

Highest Channel / QPSK



Highest Channel / 16QAM

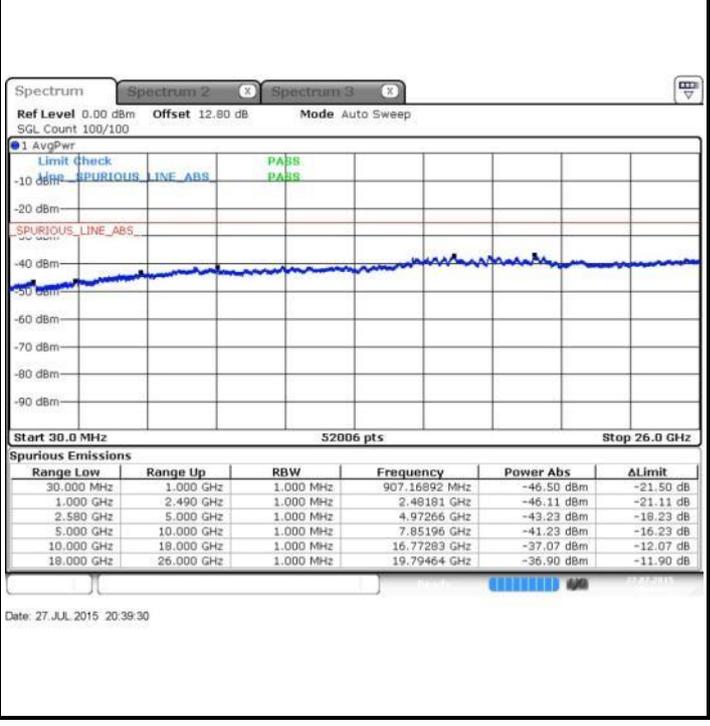


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

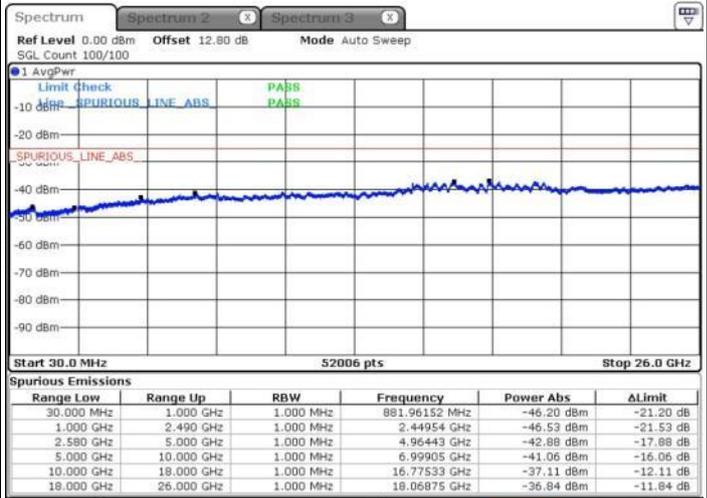
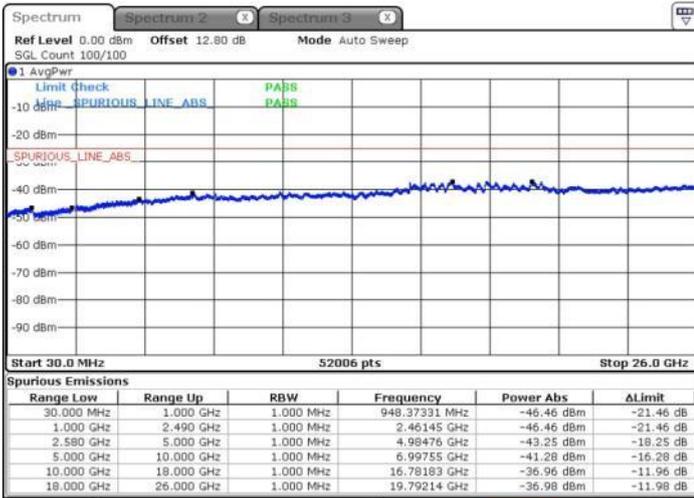




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

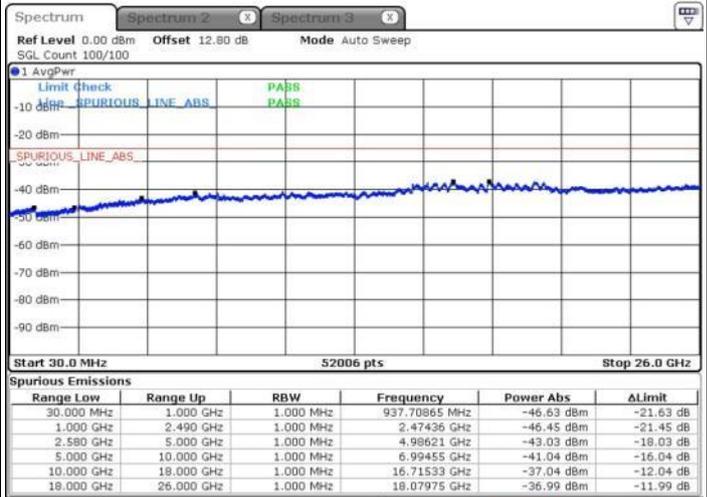
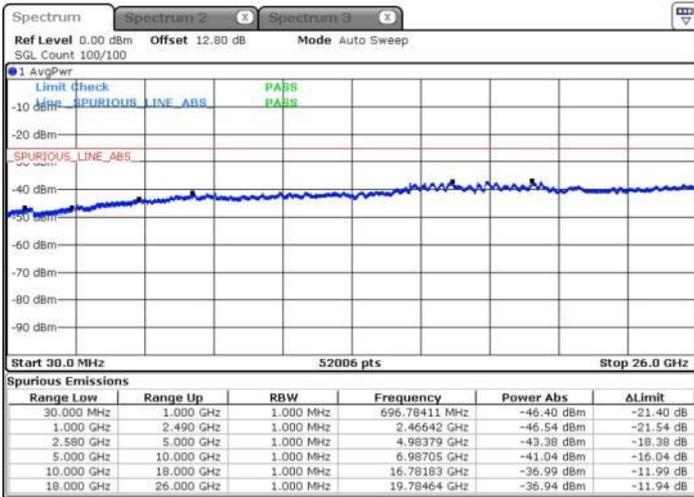


Date: 27. JUL. 2015 20:40:24

Date: 27. JUL. 2015 20:41:17

Highest Channel / QPSK

Highest Channel / 16QAM



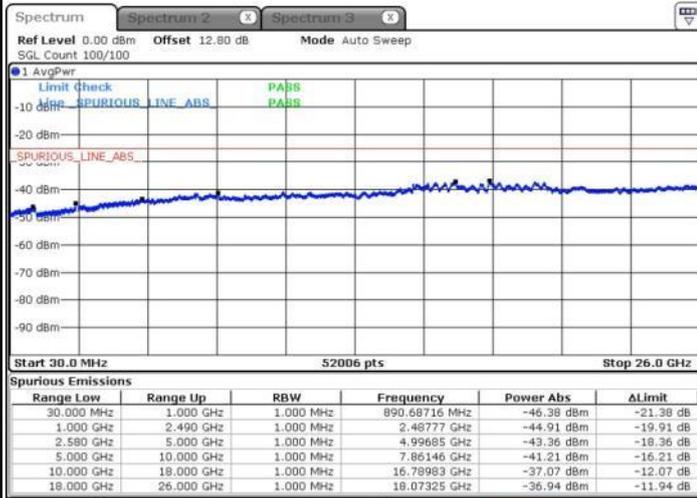
Date: 27. JUL. 2015 20:42:11

Date: 27. JUL. 2015 20:43:05



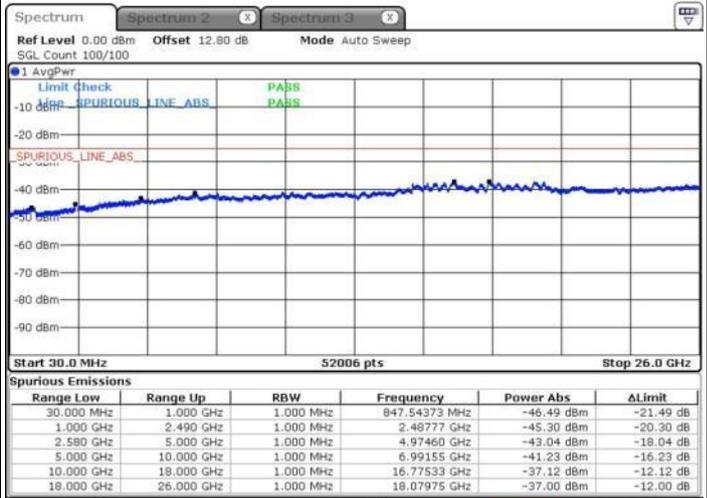
LTE Band 7 / 15MHz

Lowest Channel / QPSK



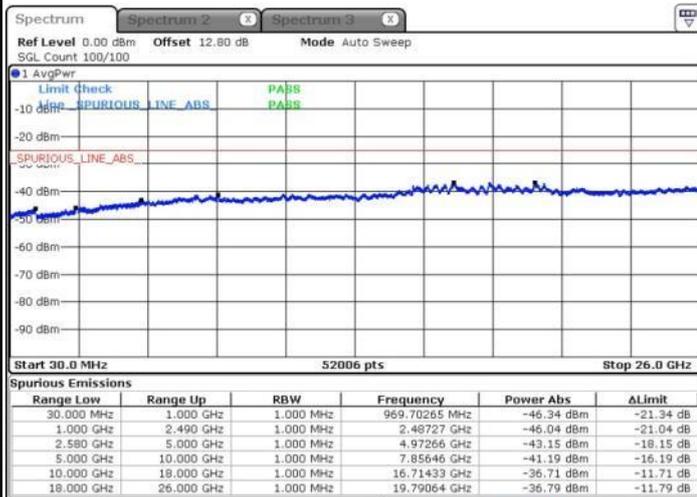
Date: 27.JUL.2015 20:44:03

Lowest Channel / 16QAM



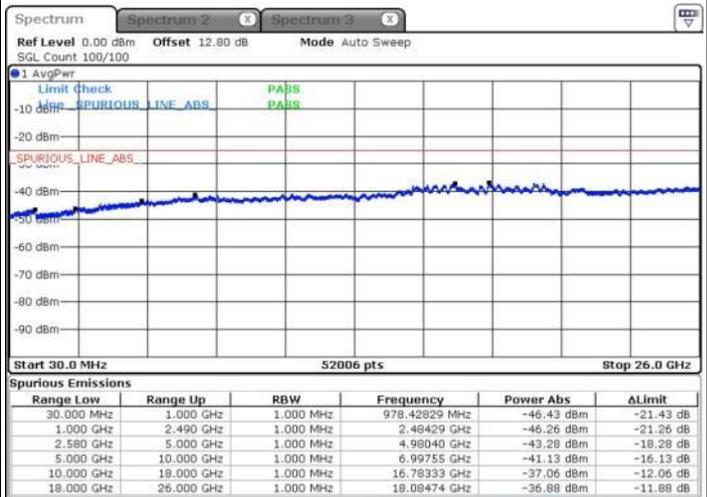
Date: 27.JUL.2015 20:44:57

Middle Channel / QPSK



Date: 27.JUL.2015 20:45:50

Middle Channel / 16QAM

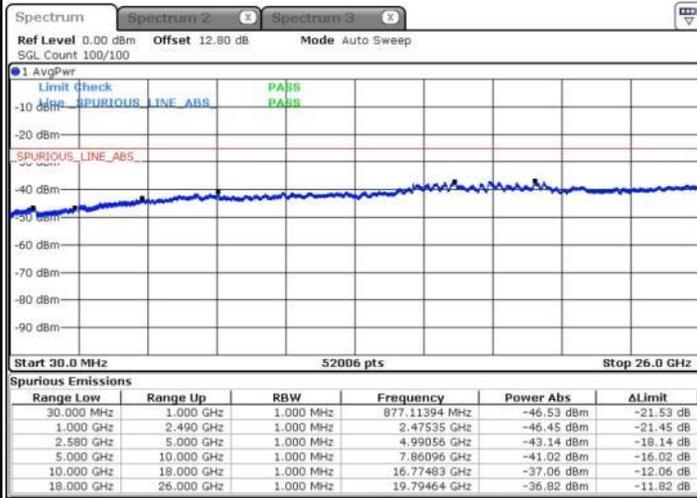


Date: 27.JUL.2015 20:46:44



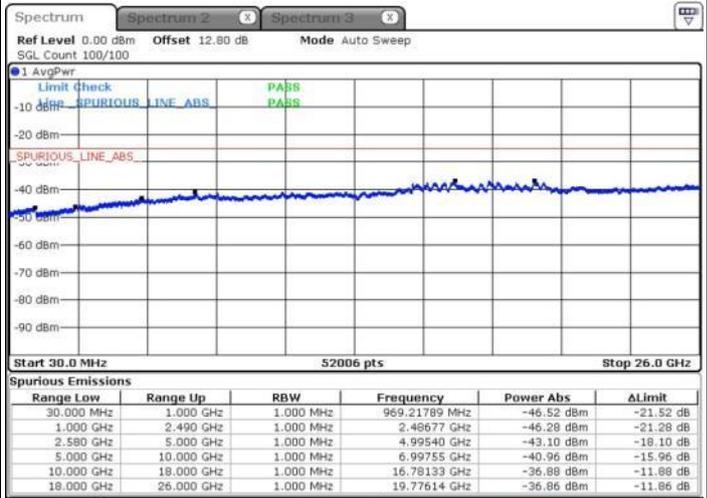
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 27.JUL.2015 20:47:38

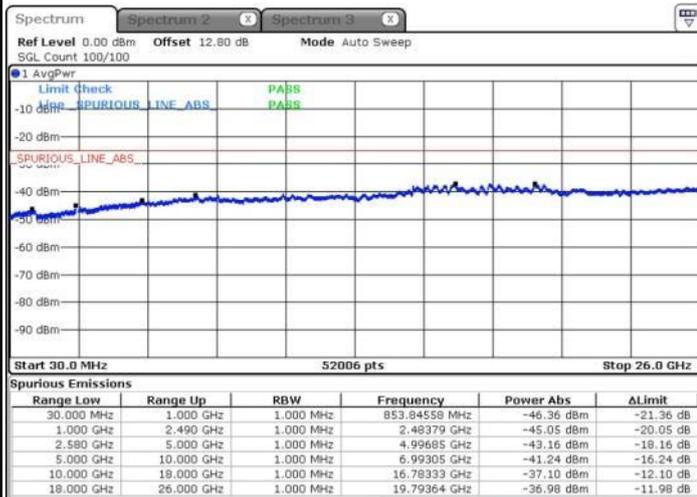
Highest Channel / 16QAM



Date: 27.JUL.2015 20:48:32

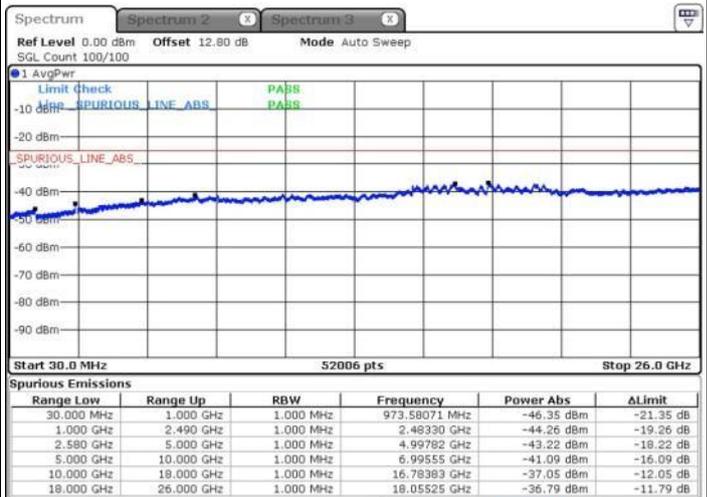
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 27.JUL.2015 20:49:30

Lowest Channel / 16QAM



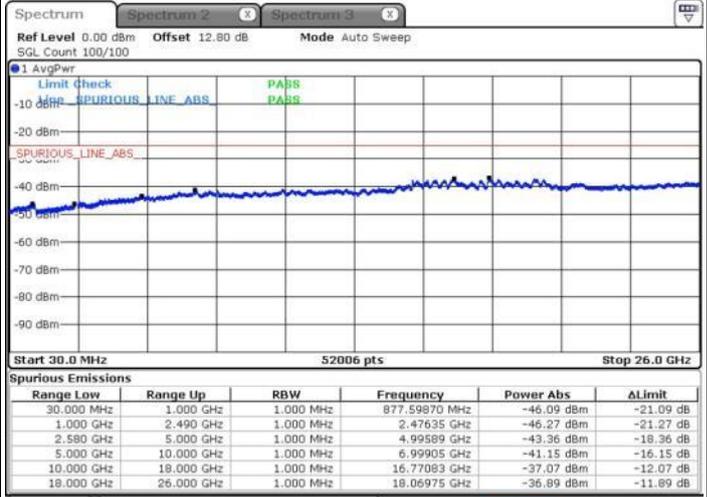
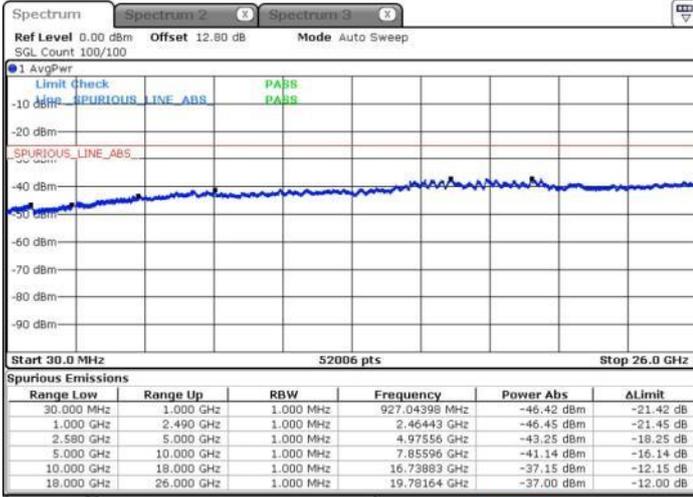
Date: 27.JUL.2015 20:50:24



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

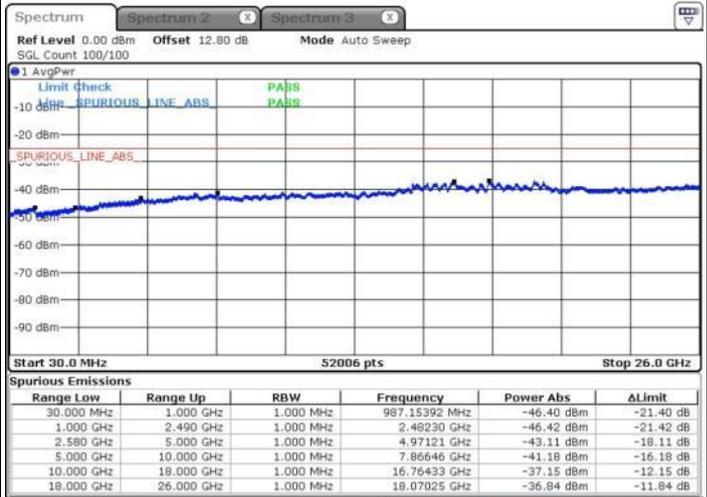
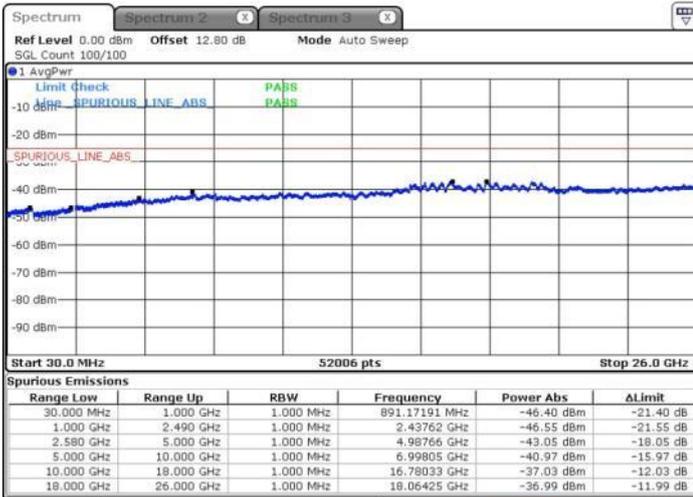


Date: 27.JUL.2015 20:51:16

Date: 27.JUL.2015 20:52:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.JUL.2015 20:53:05

Date: 27.JUL.2015 20:53:58



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	0.0015	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2V
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

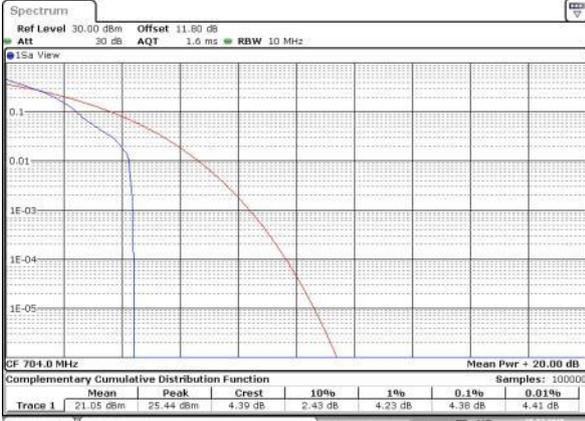
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.10	5.04	6.12	PASS
Middle CH	4.64	5.13	5.42	6.03	
Highest CH	5.13	5.07	5.51	6.03	



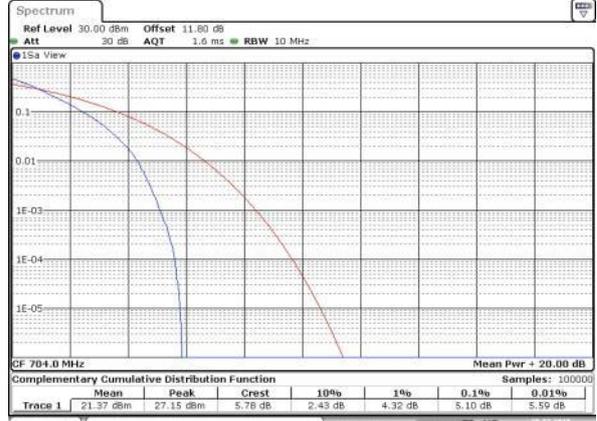
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



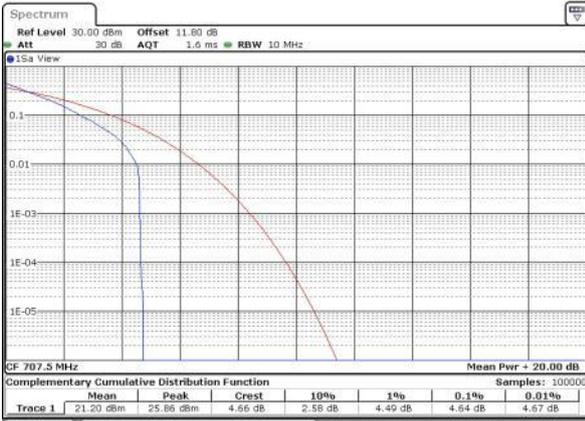
Date: 25 JUL 2015 10:56:52

Lowest Channel / Full RB



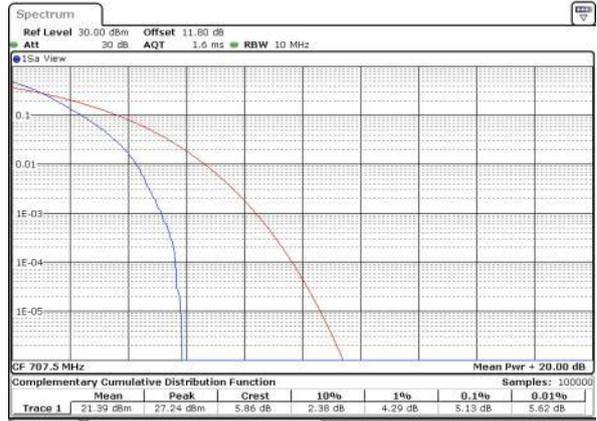
Date: 25 JUL 2015 10:56:38

Middle Channel / 1RB



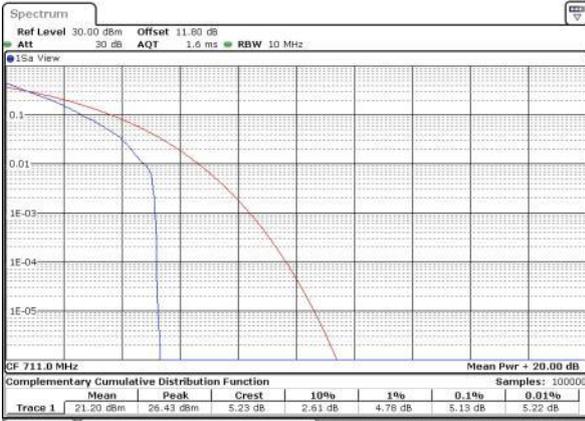
Date: 25 JUL 2015 11:00:04

Middle Channel / Full RB



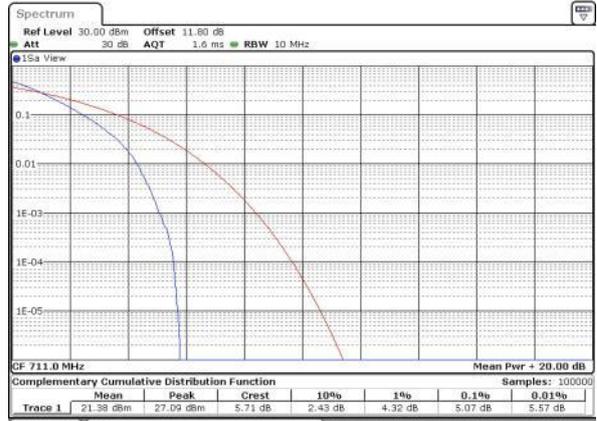
Date: 25 JUL 2015 11:00:17

Highest Channel / 1RB



Date: 25 JUL 2015 11:02:06

Highest Channel / Full RB



Date: 25 JUL 2015 11:00:29