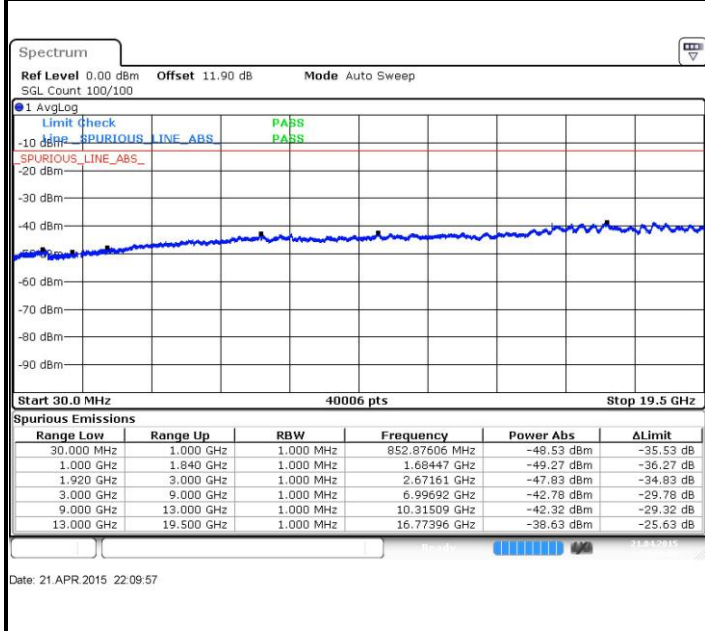


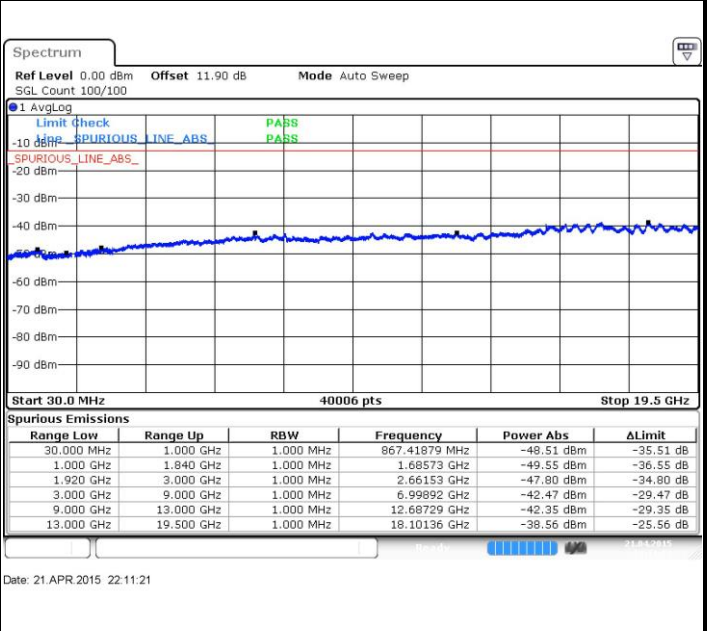


LTE Band 2 / 5MHz

Highest Channel / QPSK

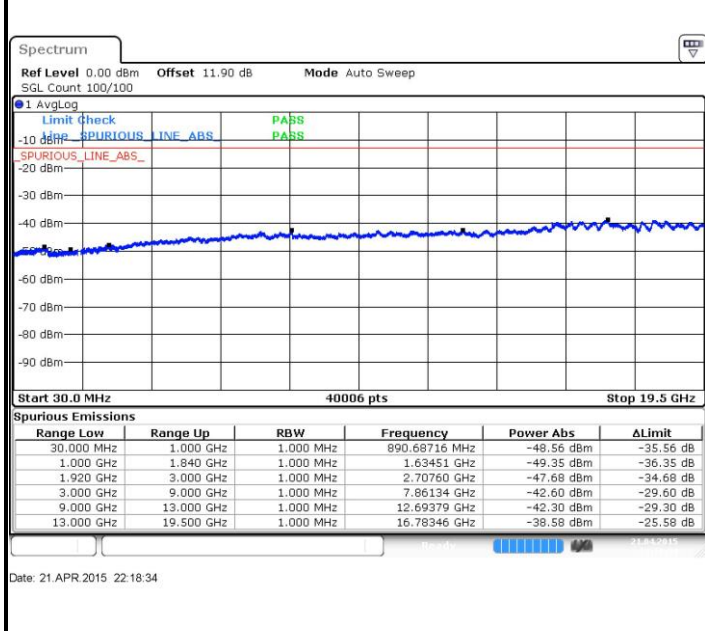


Highest Channel / 16QAM

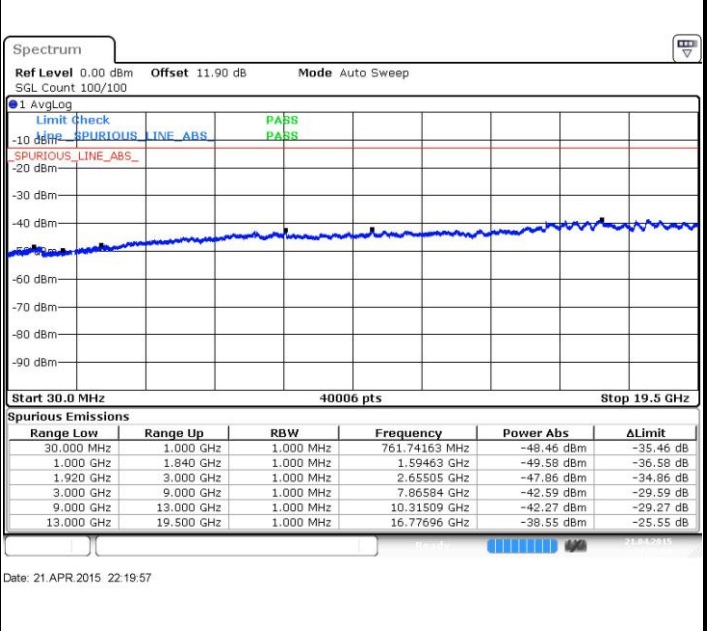


LTE Band 2 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

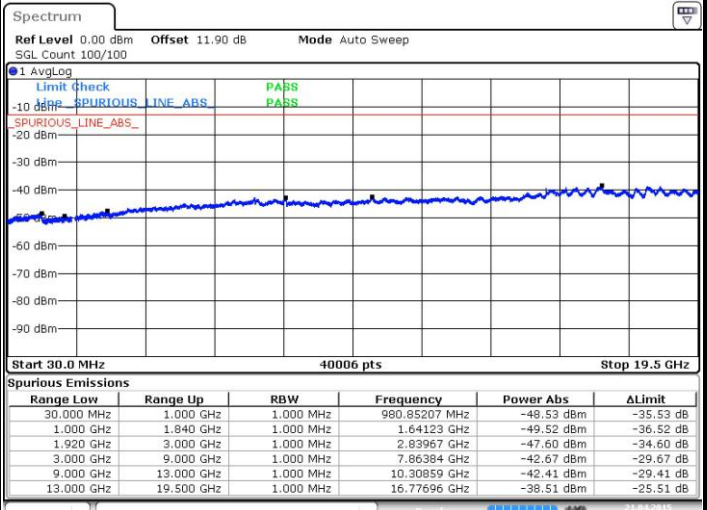
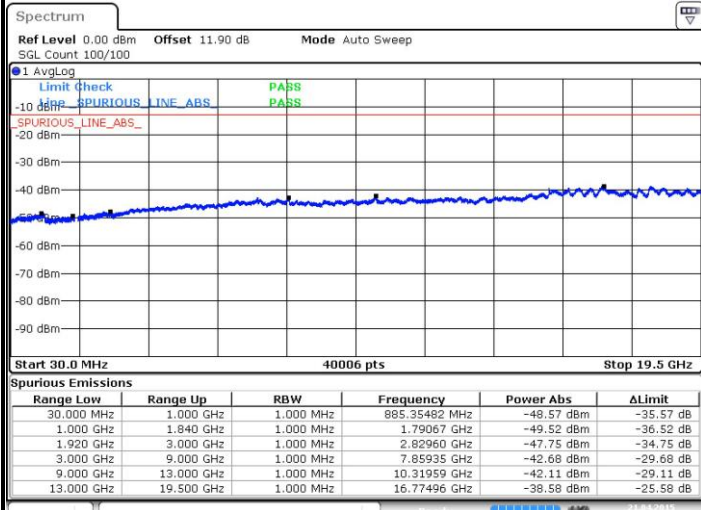




LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

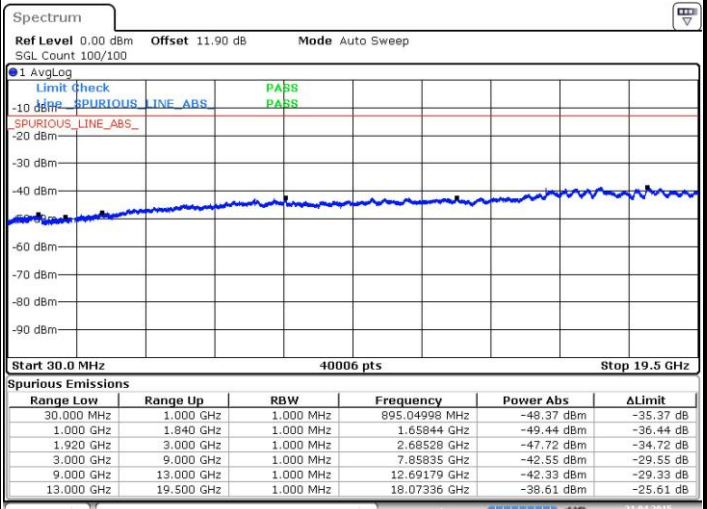
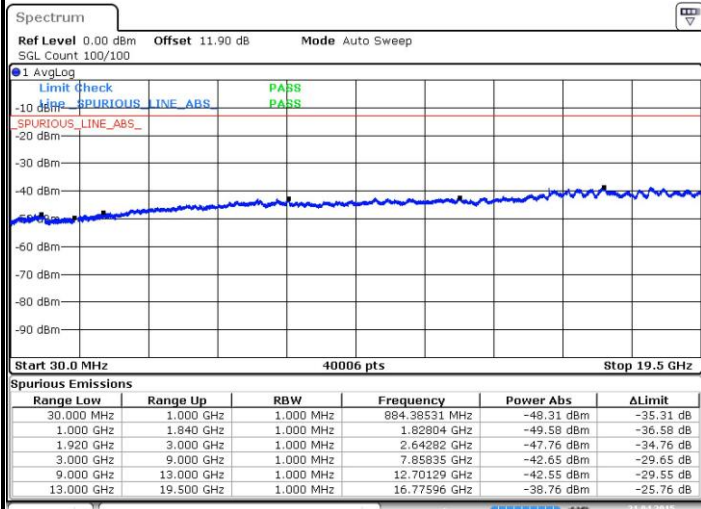


Date: 21 APR 2015 22:22:08

Date: 21 APR 2015 22:23:31

Highest Channel / QPSK

Highest Channel / 16QAM



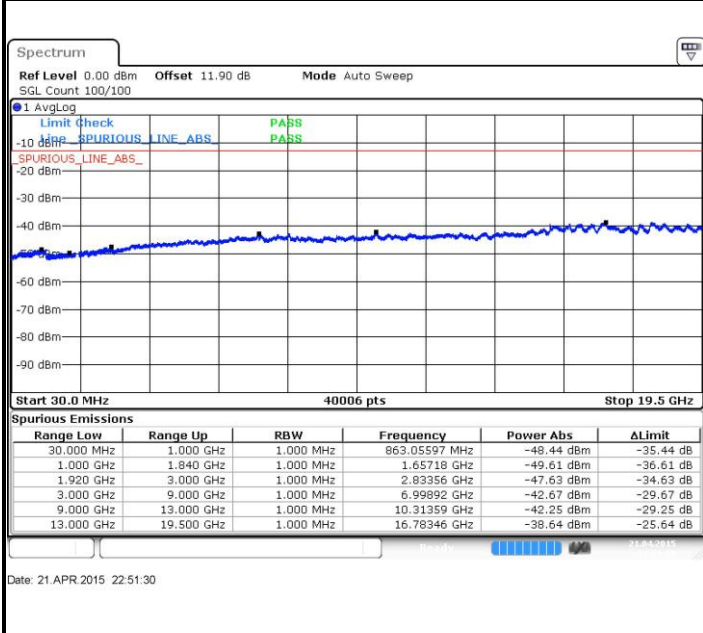
Date: 21 APR 2015 22:30:41

Date: 21 APR 2015 22:32:06

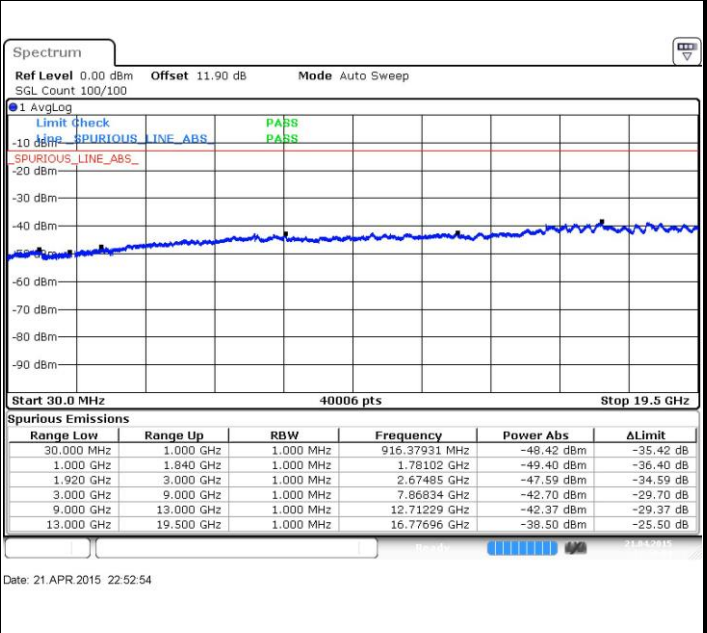


LTE Band 2 / 15MHz

Highest Channel / QPSK

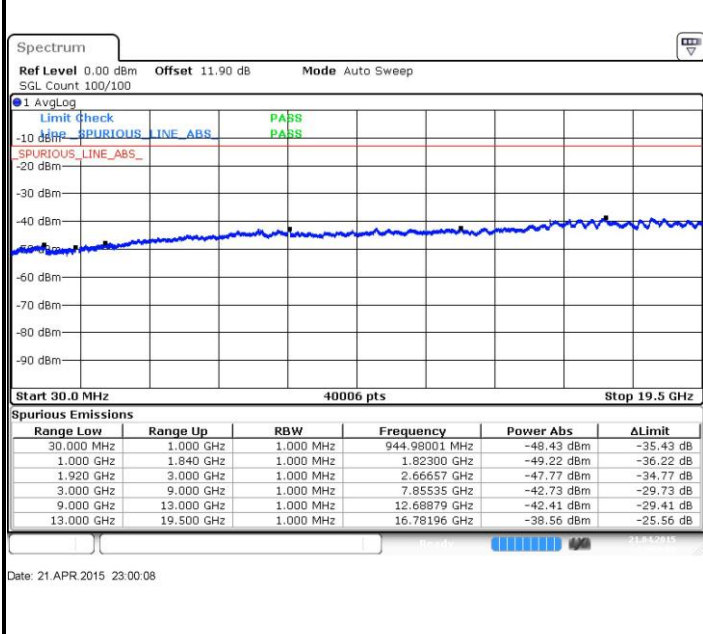


Highest Channel / 16QAM

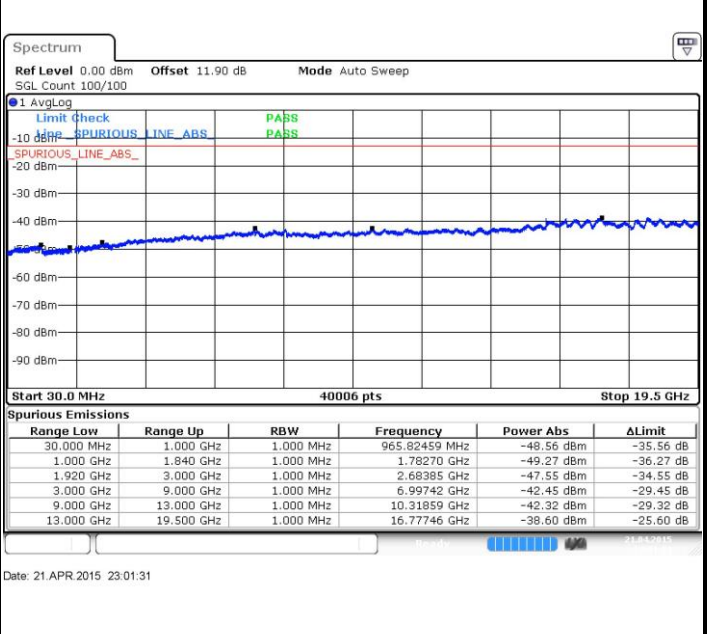


LTE Band 2 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

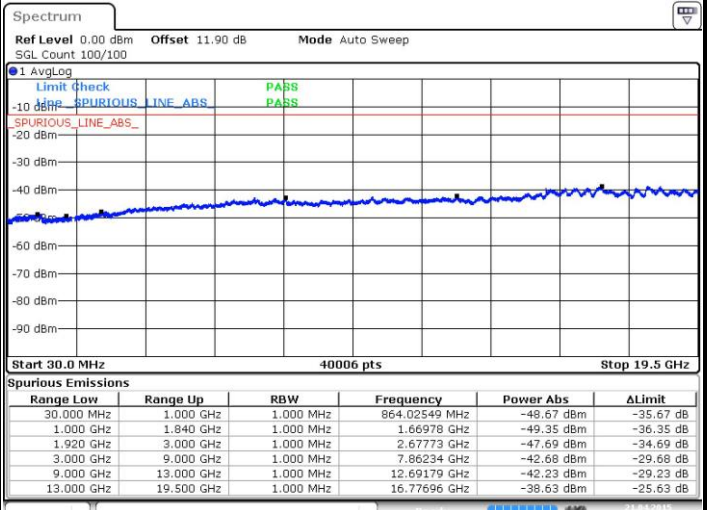
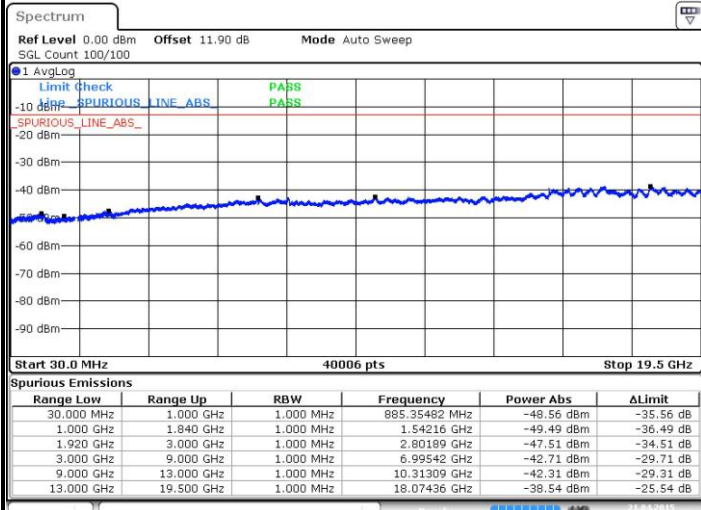




LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

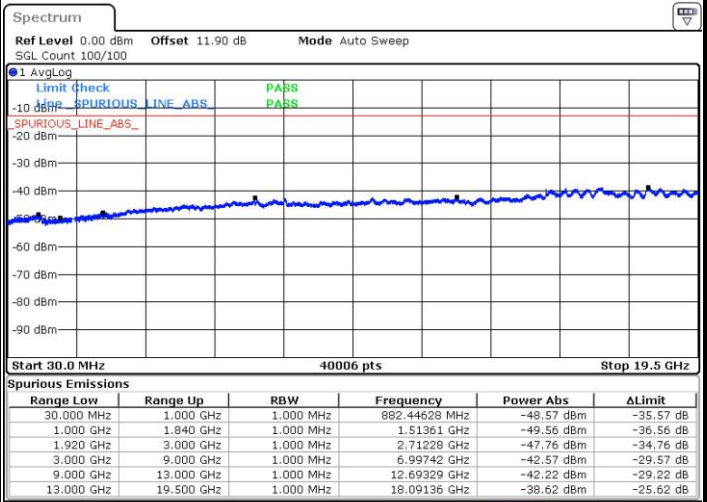
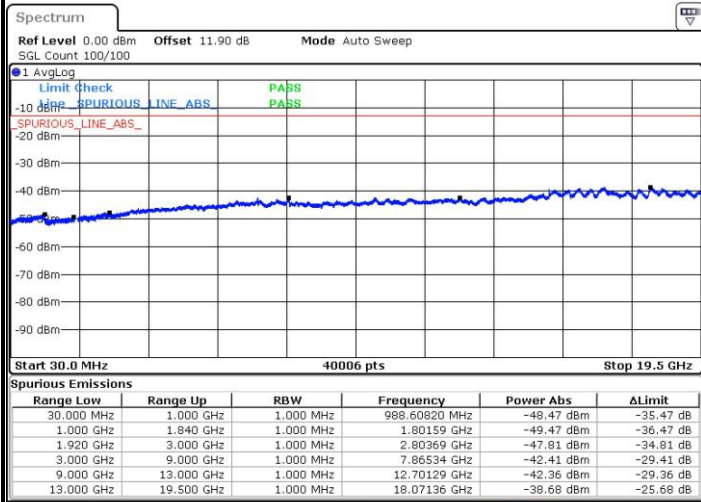


Date: 21 APR 2015 23:03:43

Date: 21 APR 2015 23:05:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21 APR 2015 23:12:17

Date: 21 APR 2015 23:13:41



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.87 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 based on the frequency deviation measured is small.



LTE Band 4

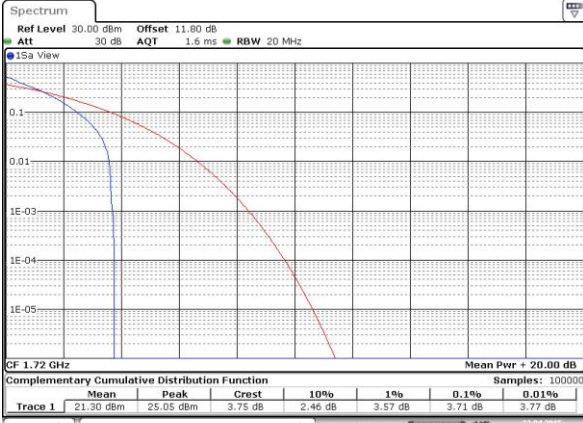
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	5.01	4.93	5.88	PASS
Middle CH	4.32	5.10	5.36	6.12	
Highest CH	4.32	4.99	5.42	6.03	



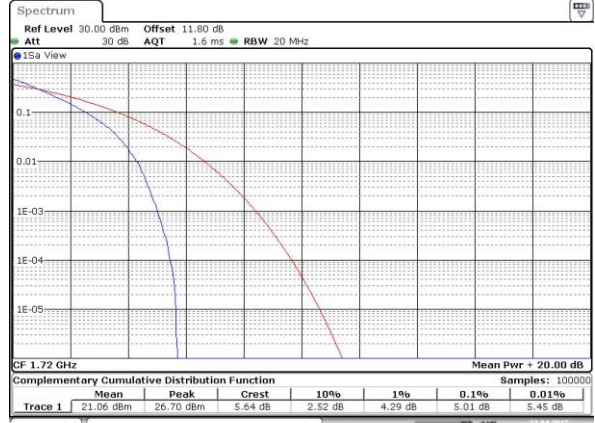
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 22 APR 2015 21:20:51

Lowest Channel / Full RB



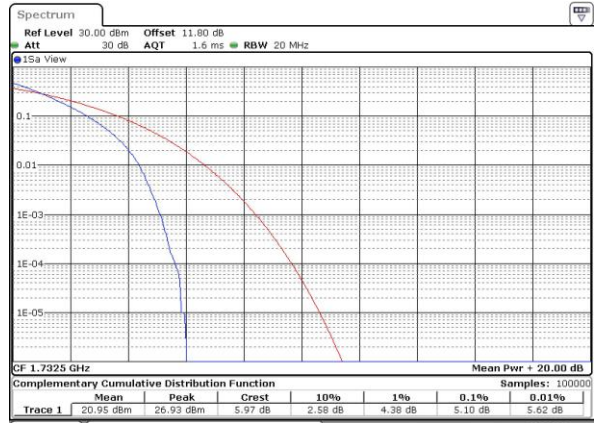
Date: 22 APR 2015 21:21:10

Middle Channel / 1RB



Date: 22 APR 2015 21:23:30

Middle Channel / Full RB



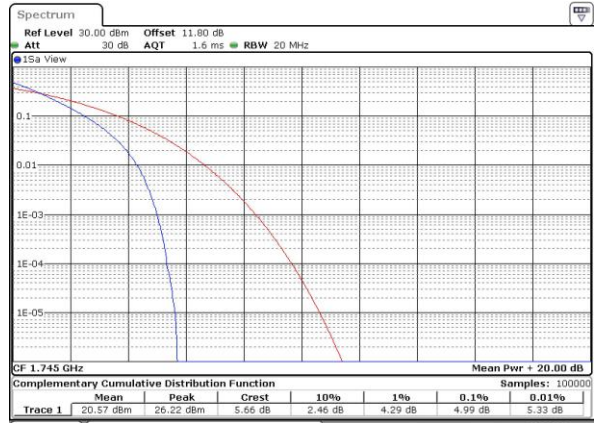
Date: 22 APR 2015 21:23:49

Highest Channel / 1RB



Date: 22 APR 2015 21:24:18

Highest Channel / Full RB



Date: 22 APR 2015 21:24:32



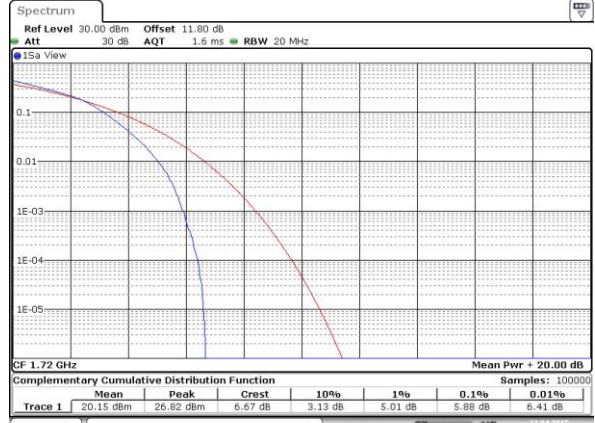
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 22 APR 2015 21:17:12

Lowest Channel / Full RB



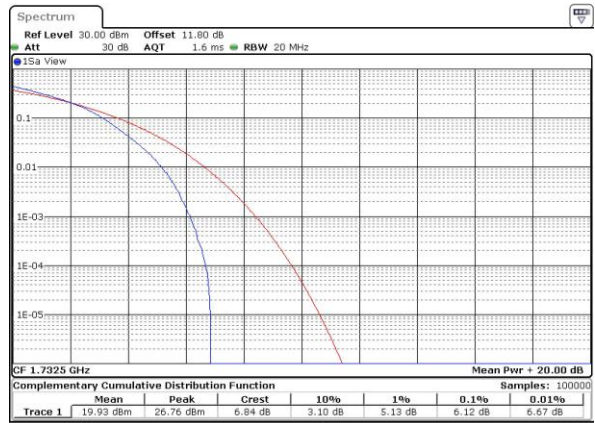
Date: 22 APR 2015 21:17:30

Middle Channel / 1RB



Date: 22 APR 2015 21:17:46

Middle Channel / Full RB



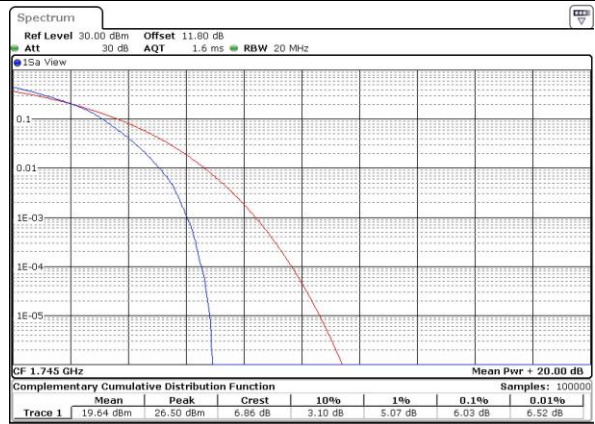
Date: 22 APR 2015 21:18:15

Highest Channel / 1RB



Date: 22 APR 2015 21:18:32

Highest Channel / Full RB



Date: 22 APR 2015 21:19:46



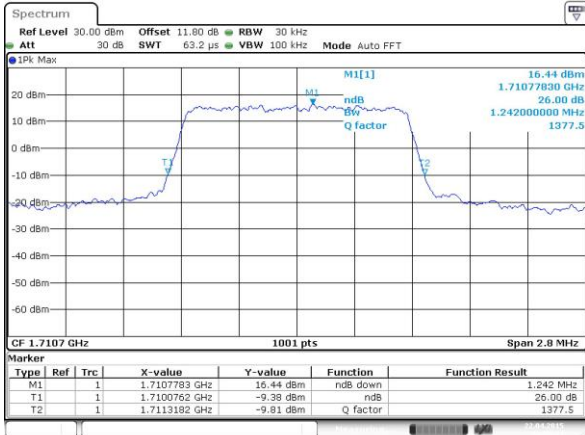
26dB Bandwidth

Mode	LTE Band 4 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.24	3.06	3.08	5.01	5.01	9.93	9.93	14.72	14.75	20.42	20.38
Middle CH	1.24	1.24	3.06	3.08	4.99	4.99	9.93	9.87	14.69	14.66	20.38	20.42
Highest CH	1.24	1.24	3.05	3.08	5.00	5.00	9.93	10.01	14.57	14.69	20.42	20.42



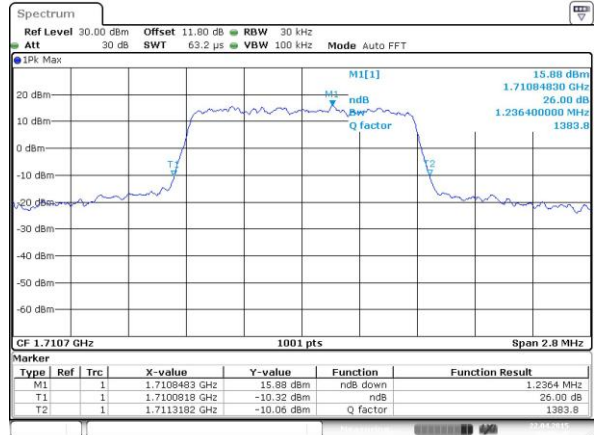
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



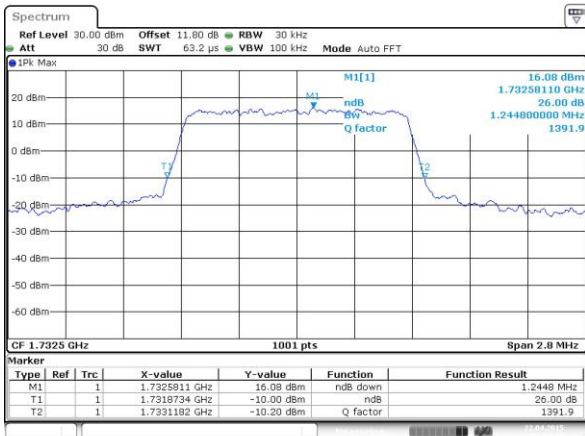
Date: 22 APR 2015 20:55:31

Lowest Channel / 1.4MHz / 16QAM



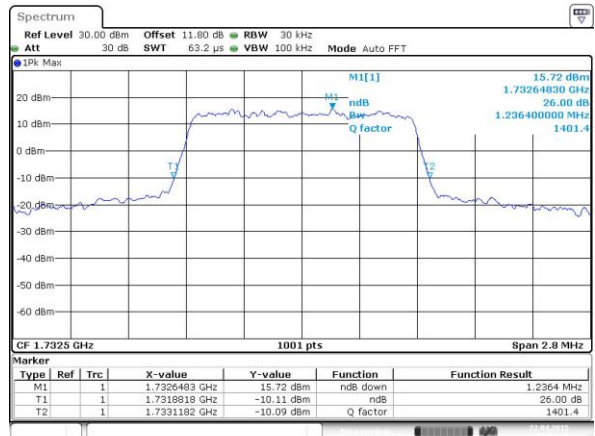
Date: 22 APR 2015 20:55:46

Middle Channel / 1.4MHz / QPSK



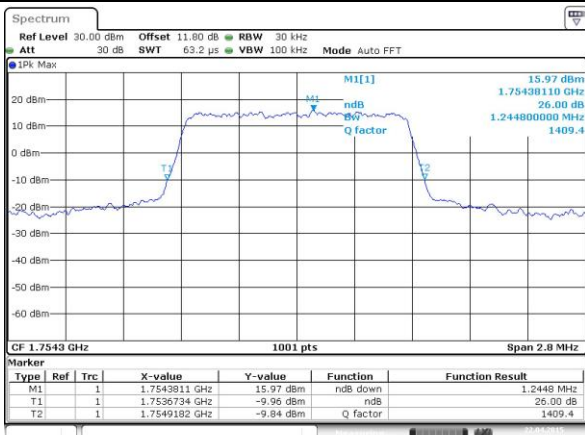
Date: 22 APR 2015 21:04:22

Middle Channel / 1.4MHz / 16QAM



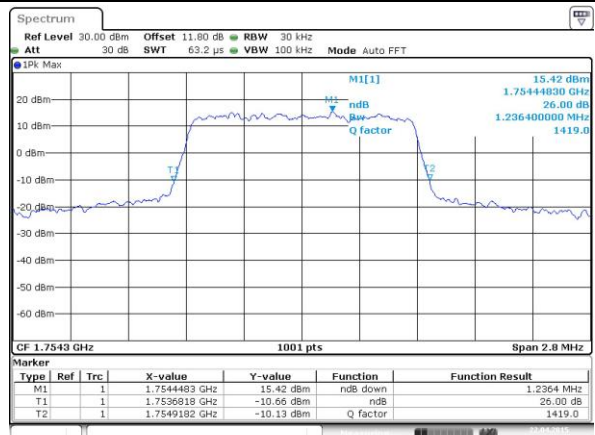
Date: 22 APR 2015 21:04:37

Highest Channel / 1.4MHz / QPSK



Date: 22 APR 2015 21:08:08

Highest Channel / 1.4MHz / 16QAM

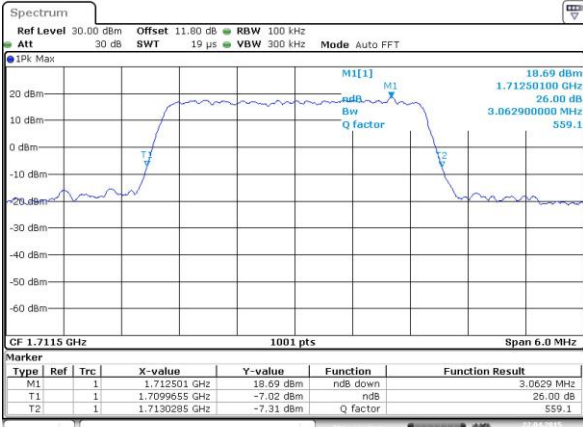


Date: 22 APR 2015 21:08:23



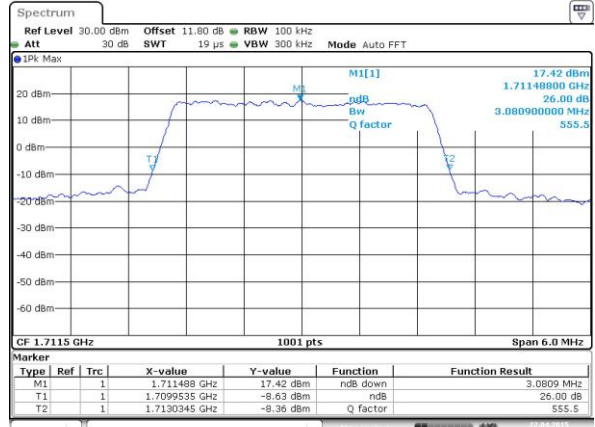
LTE Band 4

Lowest Channel / 3MHz / QPSK



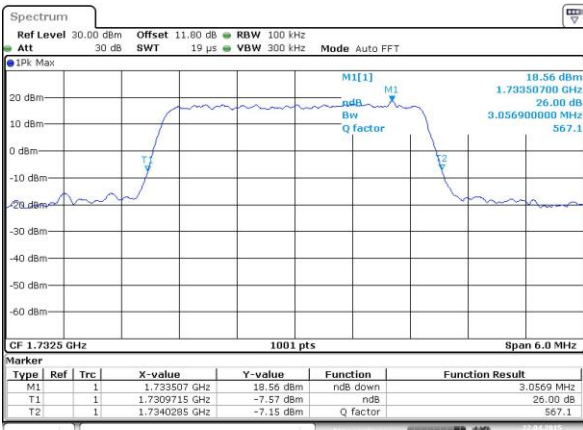
Date: 22 APR 2015 00:24:57

Lowest Channel / 3MHz / 16QAM



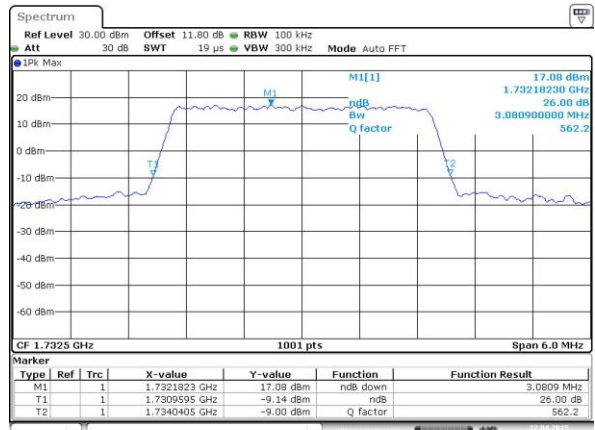
Date: 22 APR 2015 00:25:13

Middle Channel / 3MHz / QPSK



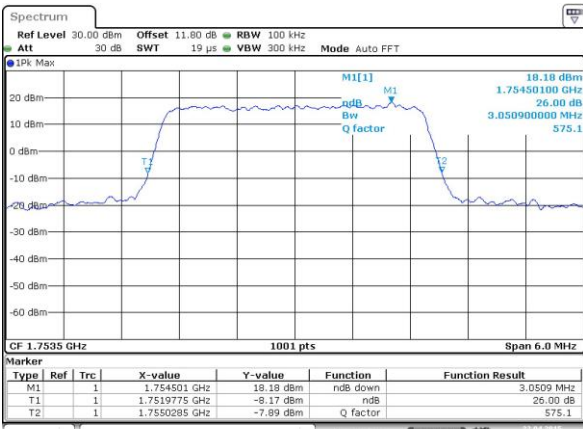
Date: 22 APR 2015 00:34:06

Middle Channel / 3MHz / 16QAM



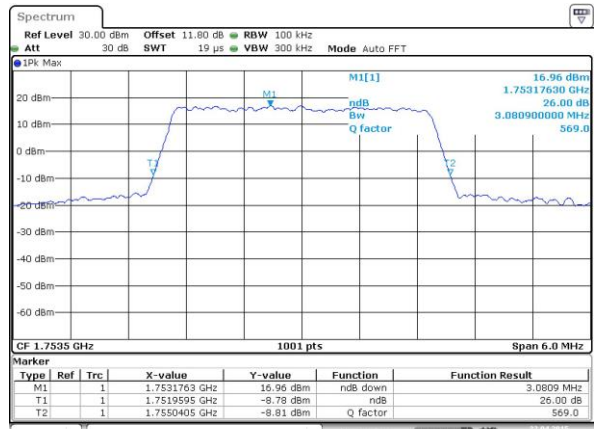
Date: 22 APR 2015 00:34:22

Highest Channel / 3MHz / QPSK



Date: 22 APR 2015 00:38:02

Highest Channel / 3MHz / 16QAM

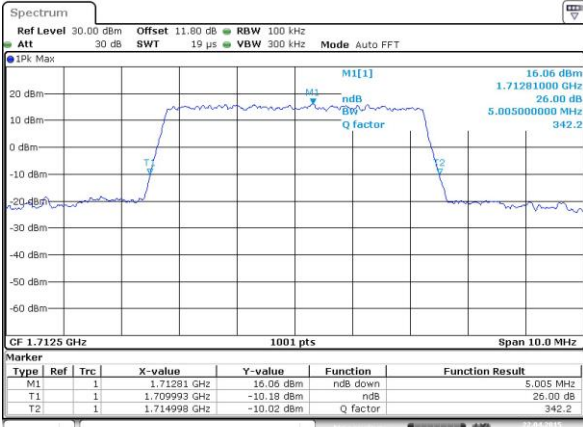


Date: 22 APR 2015 00:38:19



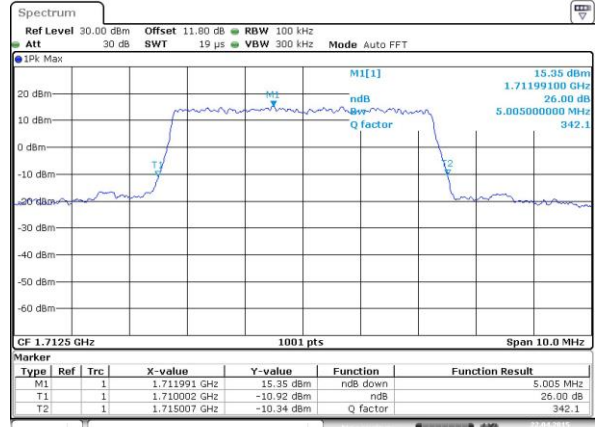
LTE Band 4

Lowest Channel / 5MHz / QPSK



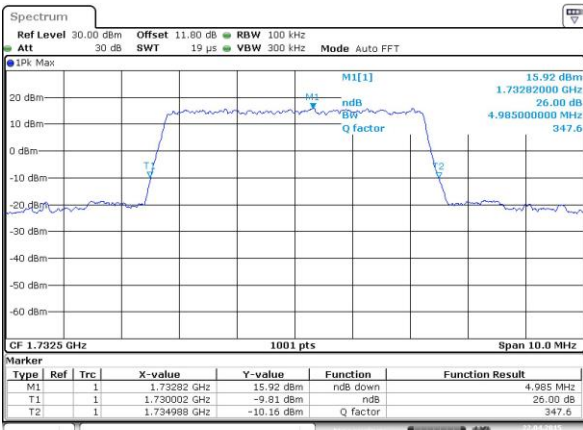
Date: 22 APR 2015 00:51:21

Lowest Channel / 5MHz / 16QAM



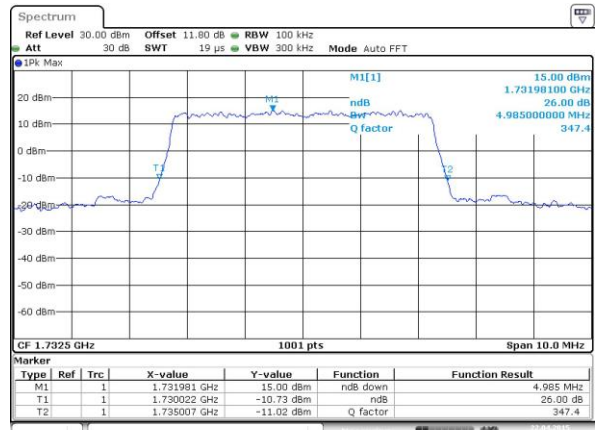
Date: 22 APR 2015 00:51:38

Middle Channel / 5MHz / QPSK



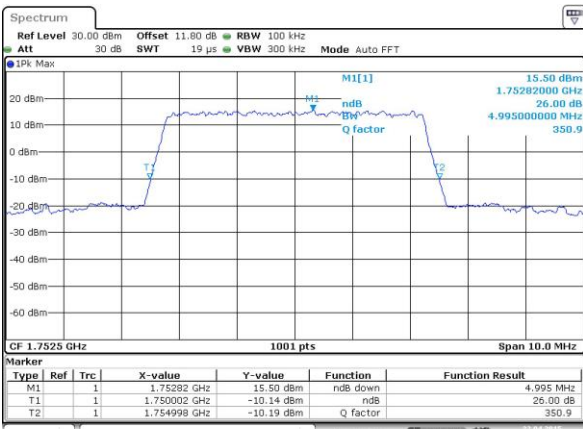
Date: 22 APR 2015 01:00:54

Middle Channel / 5MHz / 16QAM



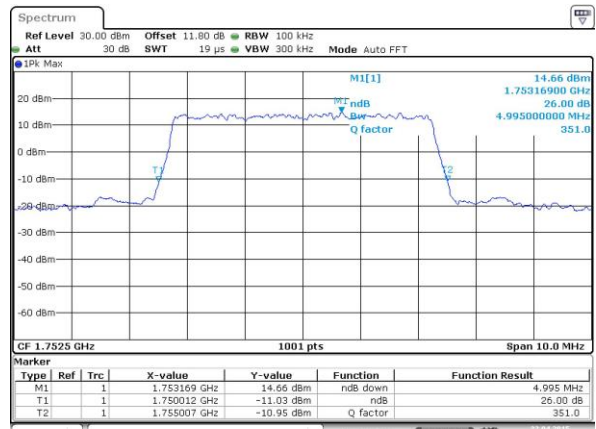
Date: 22 APR 2015 01:01:10

Highest Channel / 5MHz / QPSK



Date: 22 APR 2015 01:04:51

Highest Channel / 5MHz / 16QAM

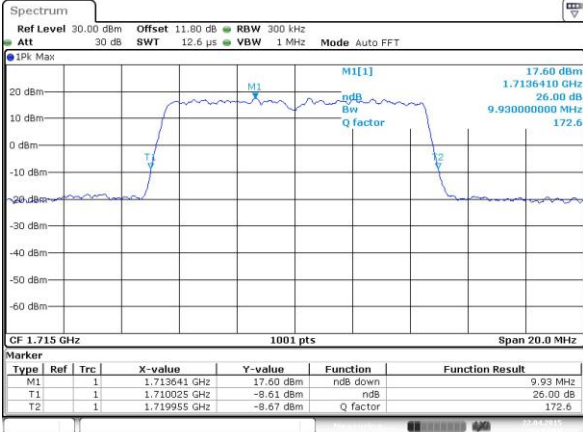


Date: 22 APR 2015 01:05:07



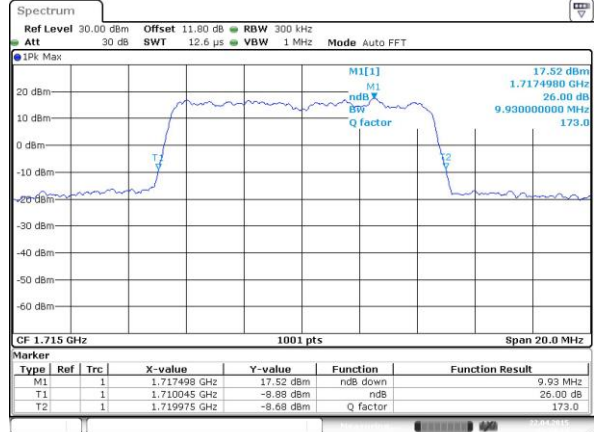
LTE Band 4

Lowest Channel / 10MHz / QPSK



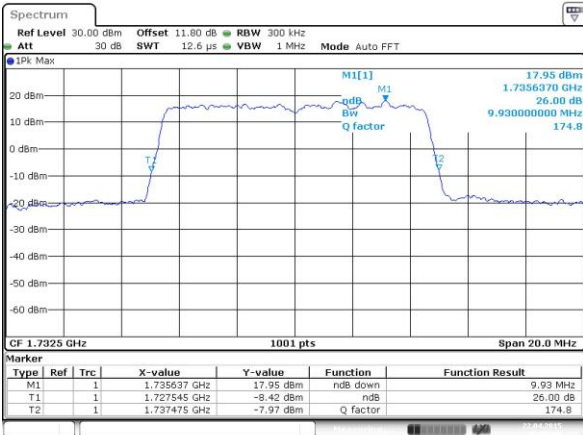
Date: 22 APR 2015 01:17:58

Lowest Channel / 10MHz / 16QAM



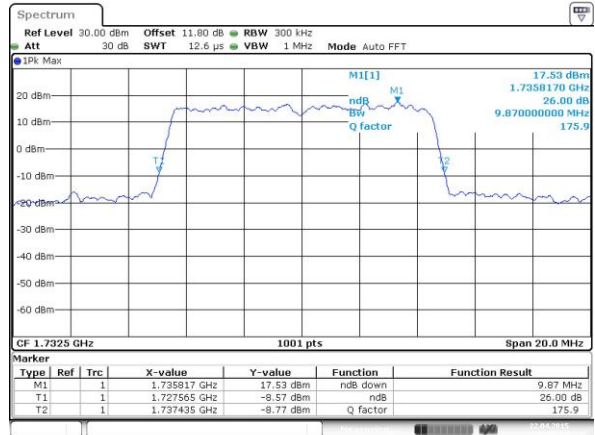
Date: 22 APR 2015 01:18:15

Middle Channel / 10MHz / QPSK



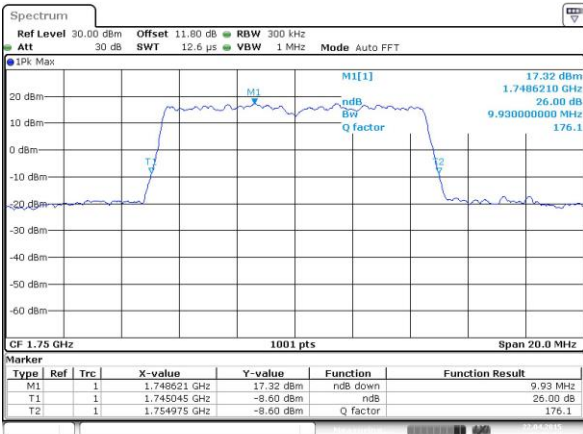
Date: 22 APR 2015 01:27:06

Middle Channel / 10MHz / 16QAM



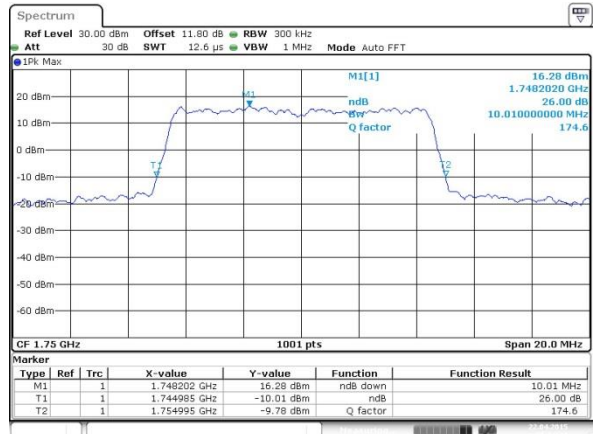
Date: 22 APR 2015 01:27:23

Highest Channel / 10MHz / QPSK



Date: 22 APR 2015 01:31:04

Highest Channel / 10MHz / 16QAM

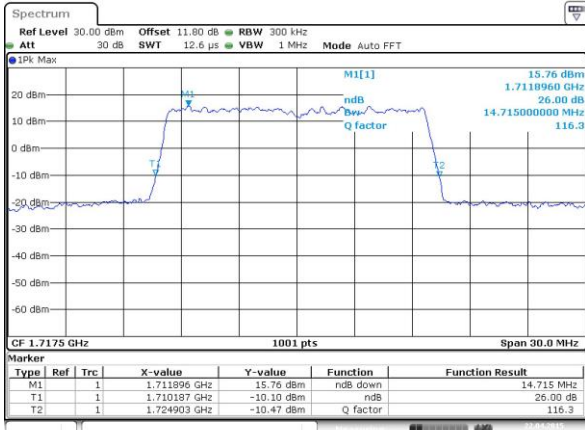


Date: 22 APR 2015 01:31:21



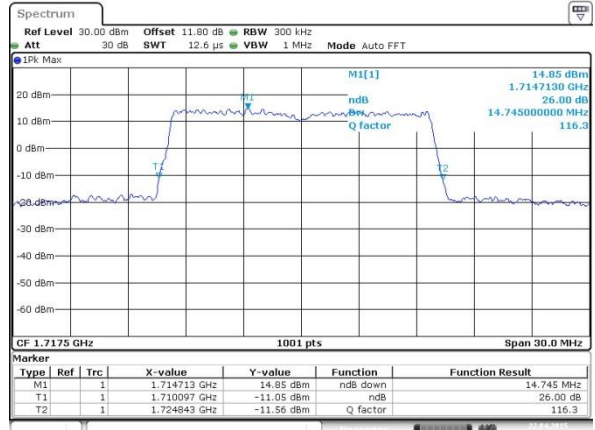
LTE Band 4

Lowest Channel / 15MHz / QPSK



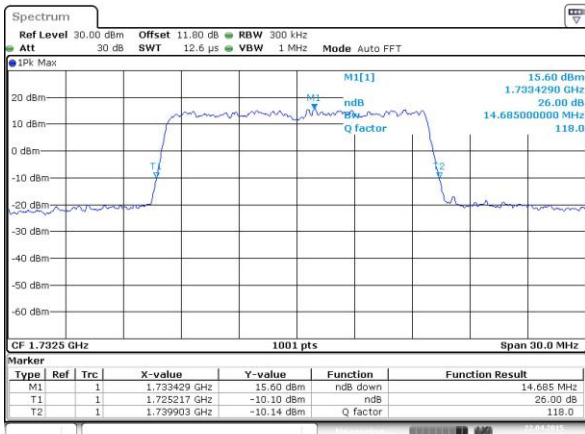
Date: 22 APR 2015 20:09:15

Lowest Channel / 15MHz / 16QAM



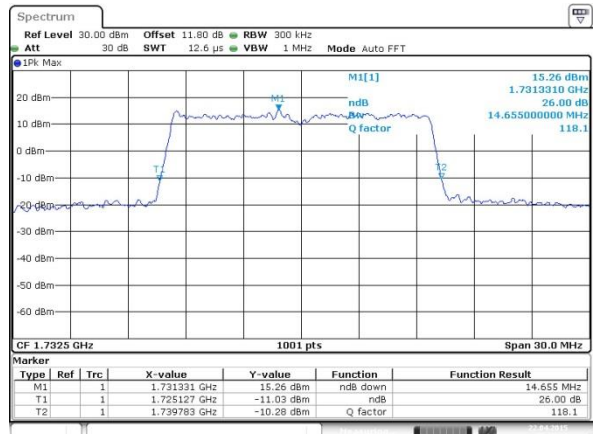
Date: 22 APR 2015 20:09:30

Middle Channel / 15MHz / QPSK



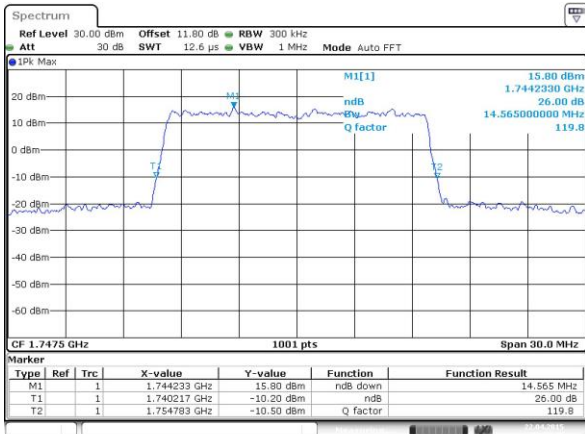
Date: 22 APR 2015 20:18:08

Middle Channel / 15MHz / 16QAM



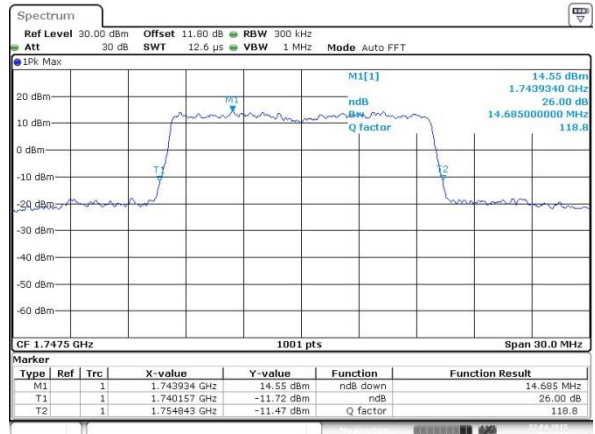
Date: 22 APR 2015 20:18:22

Highest Channel / 15MHz / QPSK



Date: 22 APR 2015 20:22:40

Highest Channel / 15MHz / 16QAM

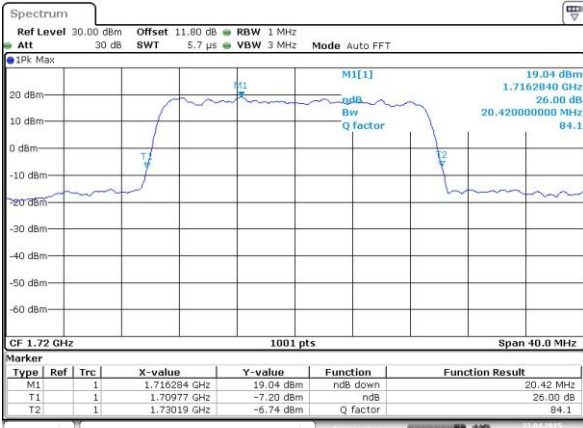


Date: 22 APR 2015 20:22:54



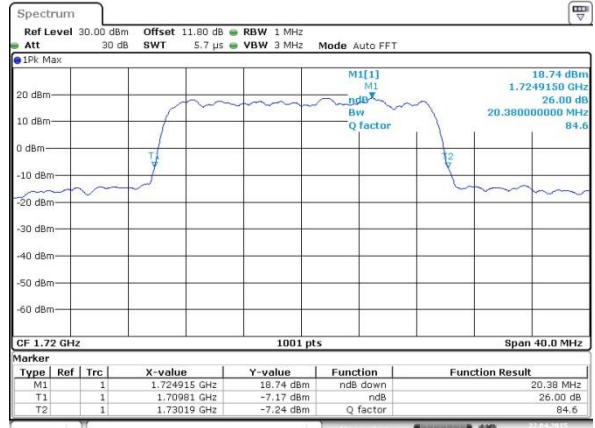
LTE Band 4

Lowest Channel / 20MHz / QPSK



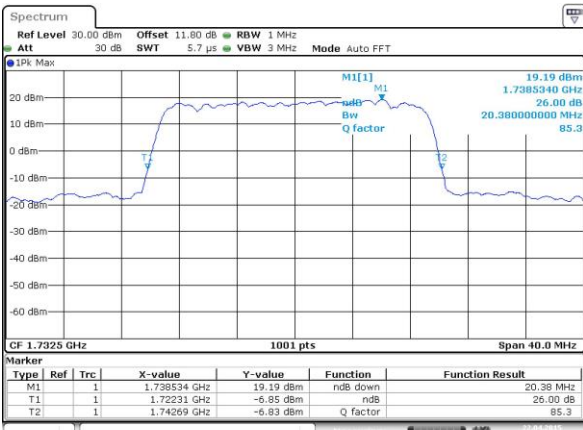
Date: 22 APR 2015 20:31:39

Lowest Channel / 20MHz / 16QAM



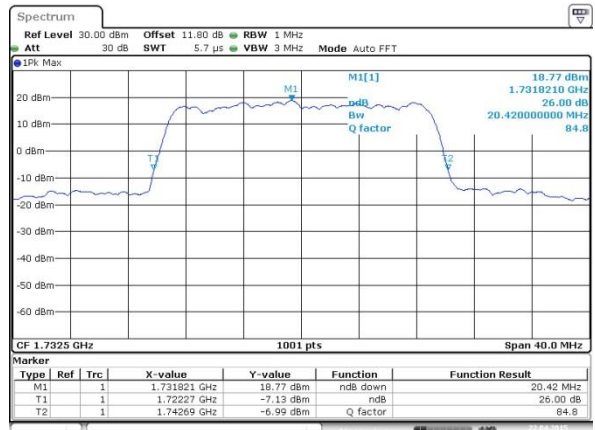
Date: 22 APR 2015 20:31:54

Middle Channel / 20MHz / QPSK



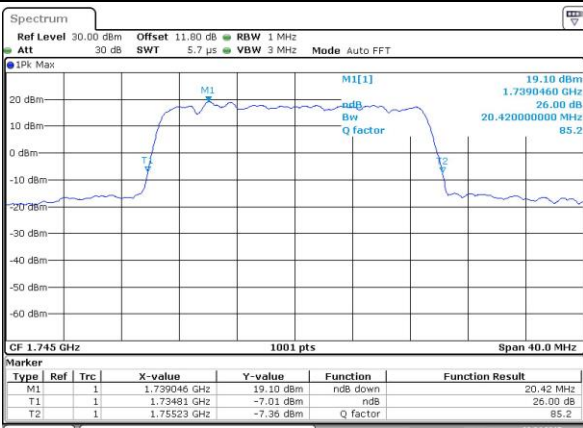
Date: 22 APR 2015 20:40:37

Middle Channel / 20MHz / 16QAM



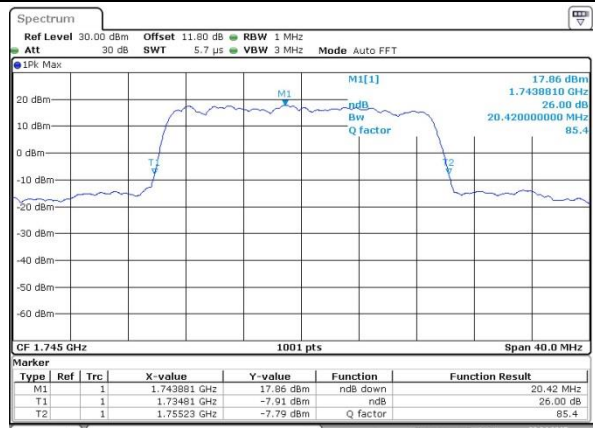
Date: 22 APR 2015 20:40:51

Highest Channel / 20MHz / QPSK



Date: 22 APR 2015 20:44:22

Highest Channel / 20MHz / 16QAM



Date: 22 APR 2015 20:44:37