



## LTE Band 4

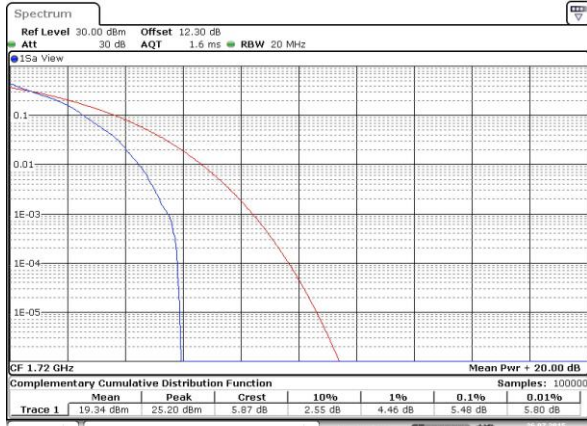
### Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.48	5.22	6.78	6.20	<b>PASS</b>
Middle CH	5.54	5.36	6.23	6.29	
Highest CH	5.48	5.19	6.70	6.17	



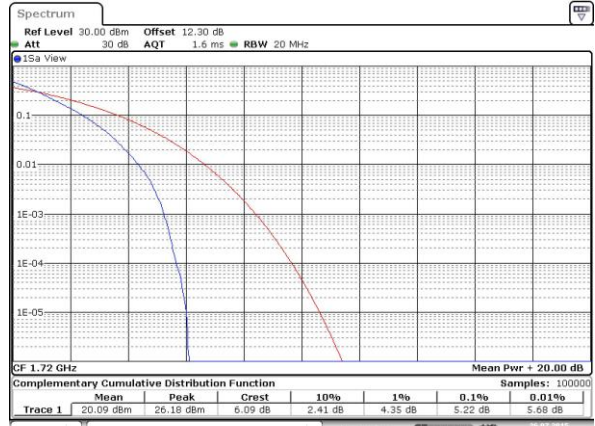
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



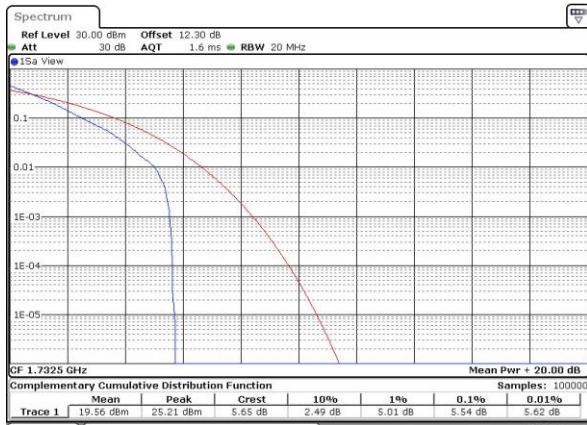
Date: 26 JUL 2015 11:30:38

Lowest Channel / Full RB



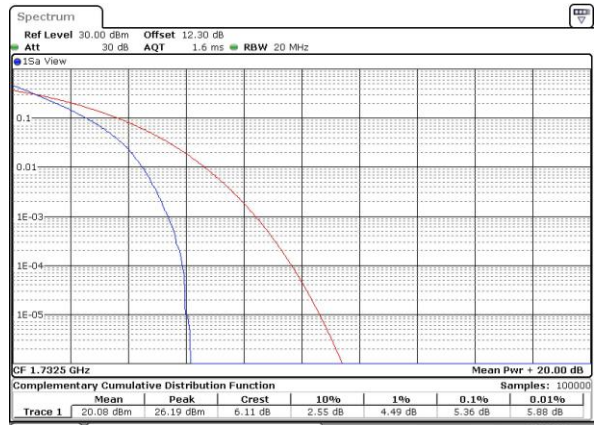
Date: 26 JUL 2015 11:30:56

Middle Channel / 1RB



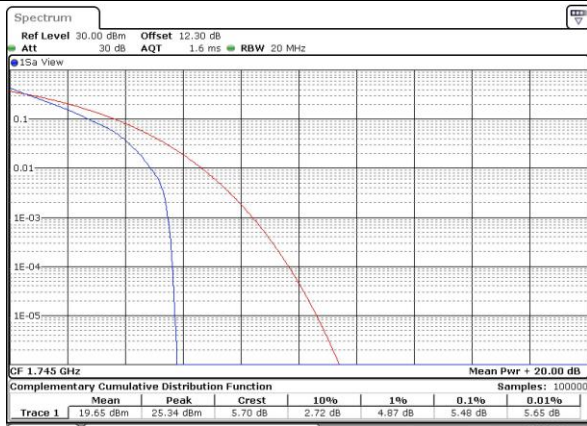
Date: 26 JUL 2015 11:31:18

Middle Channel / Full RB



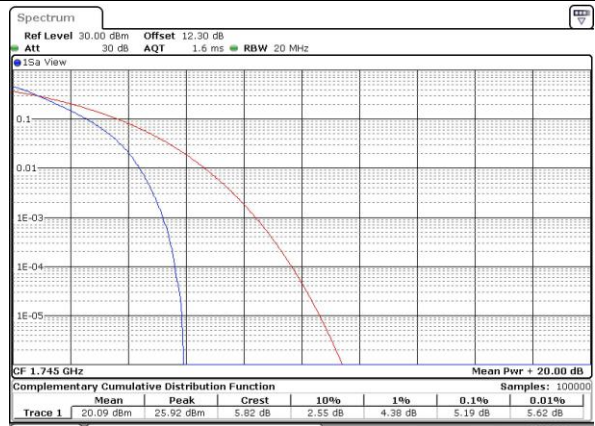
Date: 26 JUL 2015 11:31:30

Highest Channel / 1RB



Date: 26 JUL 2015 11:31:39

Highest Channel / Full RB



Date: 26 JUL 2015 11:31:53



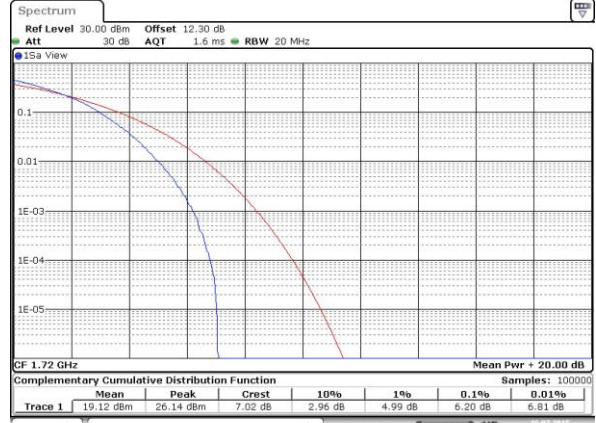
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 26 JUL 2015 11:29:31

Lowest Channel / Full RB



Date: 26 JUL 2015 11:29:41

Middle Channel / 1RB



Date: 26 JUL 2015 11:29:52

Middle Channel / Full RB



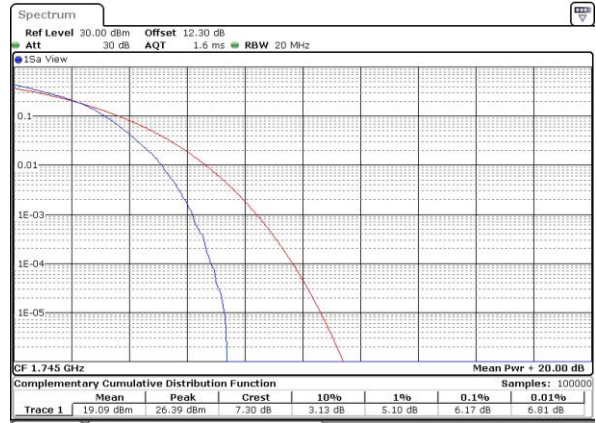
Date: 26 JUL 2015 11:30:02

Highest Channel / 1RB



Date: 26 JUL 2015 11:30:14

Highest Channel / Full RB



Date: 26 JUL 2015 11:30:25



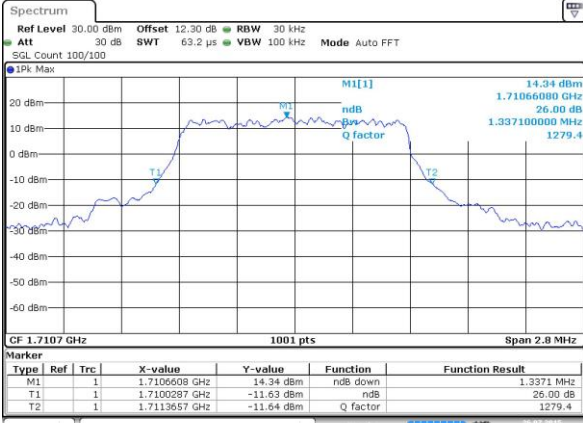
**26dB Bandwidth**

Mode	LTE Band 4 : 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	1.34	1.33	3.02	2.91	4.92	4.89	10.31	10.27	14.15	14.96	20.22	20.42
Middle CH	1.26	1.32	3.06	3.04	5.00	4.89	9.93	10.23	15.26	14.72	20.74	21.30
Highest CH	1.29	1.32	3.03	3.07	4.91	5.07	10.01	10.31	15.67	14.78	20.02	20.70



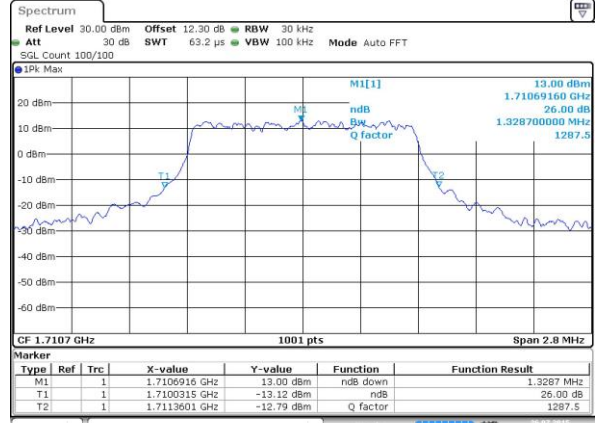
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



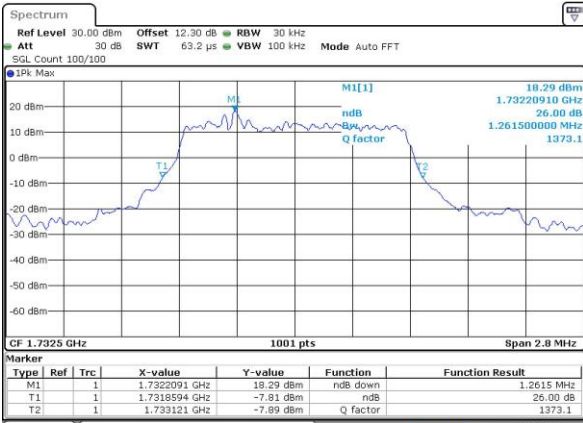
Date: 26 JUL 2015 11:32:45

Lowest Channel / 1.4MHz / 16QAM



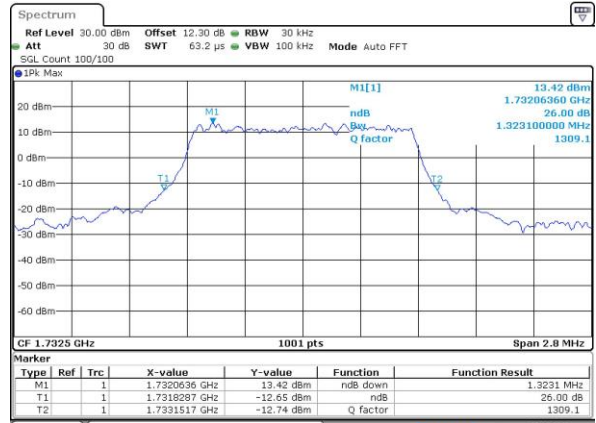
Date: 26 JUL 2015 11:50:10

Middle Channel / 1.4MHz / QPSK



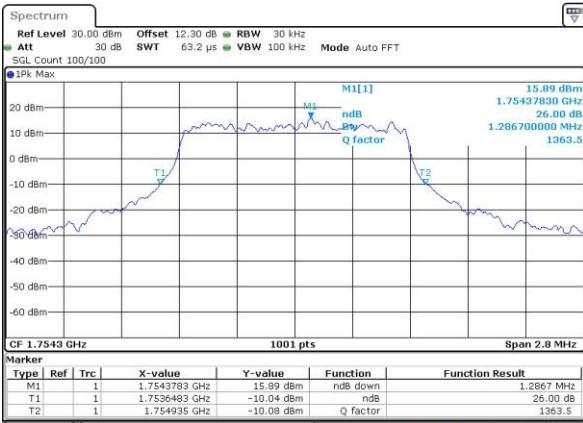
Date: 26 JUL 2015 11:51:25

Middle Channel / 1.4MHz / 16QAM



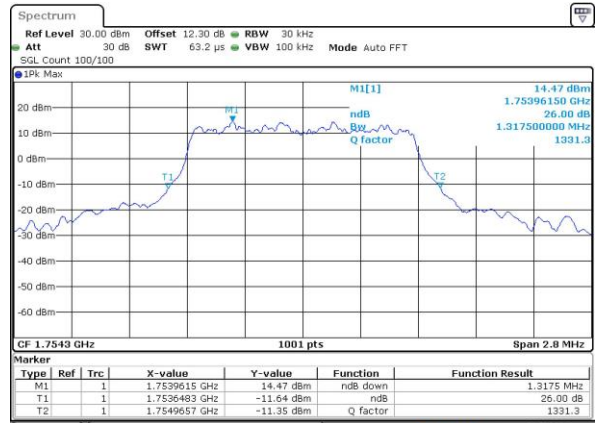
Date: 26 JUL 2015 11:51:00

Highest Channel / 1.4MHz / QPSK



Date: 26 JUL 2015 11:52:09

Highest Channel / 1.4MHz / 16QAM

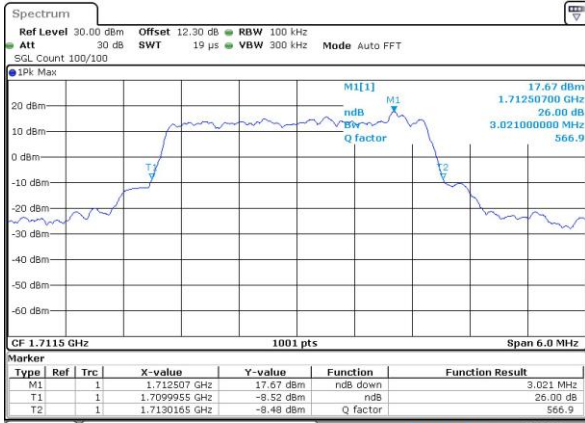


Date: 26 JUL 2015 11:51:57



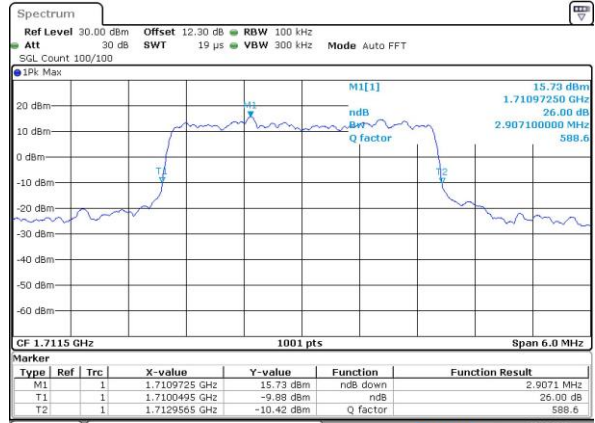
LTE Band 4

Lowest Channel / 3MHz / QPSK



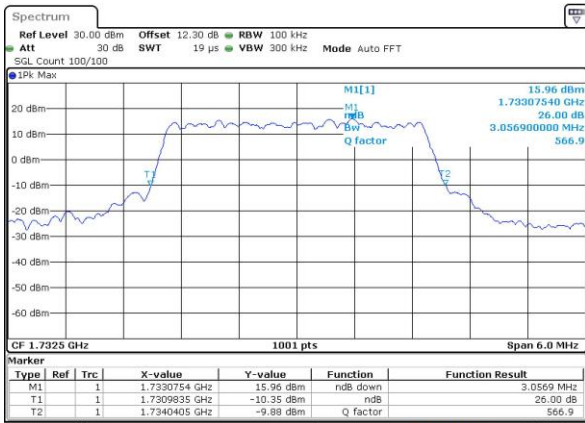
Date: 26 JUL 2015 09:58:26

Lowest Channel / 3MHz / 16QAM



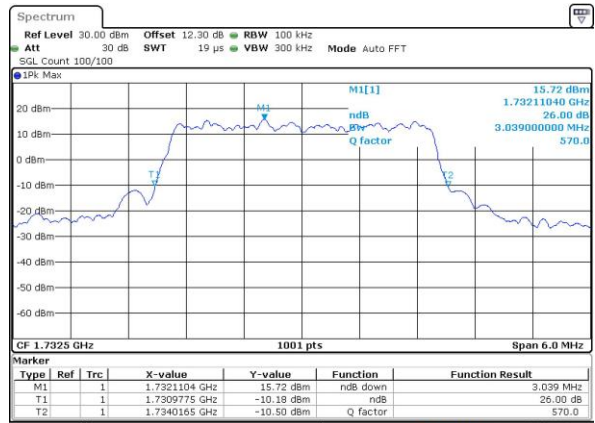
Date: 26 JUL 2015 09:58:37

Middle Channel / 3MHz / QPSK



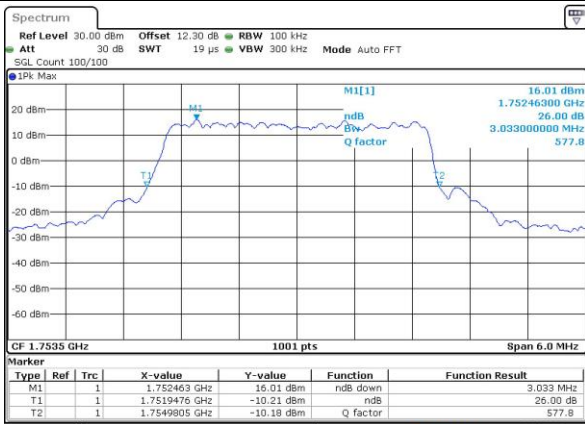
Date: 26 JUL 2015 10:05:36

Middle Channel / 3MHz / 16QAM



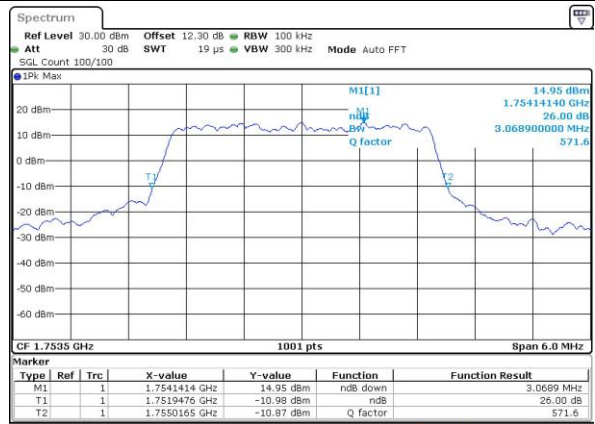
Date: 26 JUL 2015 10:05:47

Highest Channel / 3MHz / QPSK



Date: 26 JUL 2015 10:08:09

Highest Channel / 3MHz / 16QAM

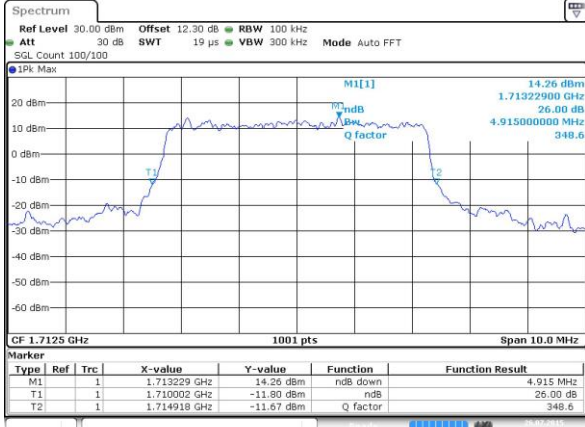


Date: 26 JUL 2015 10:08:19



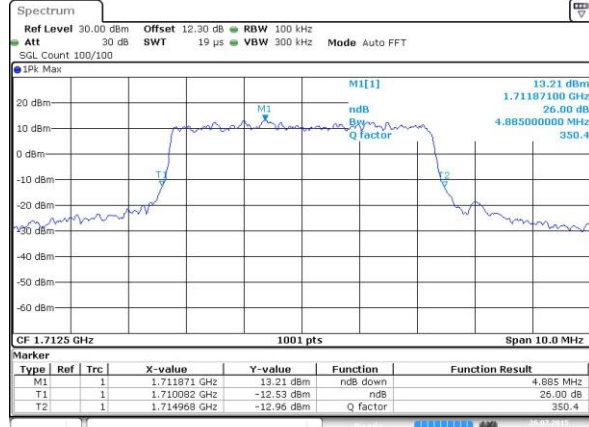
LTE Band 4

Lowest Channel / 5MHz / QPSK



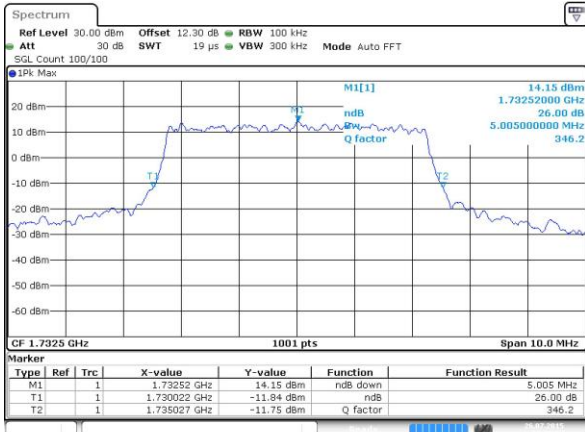
Date: 26 JUL 2015 10 19 43

Lowest Channel / 5MHz / 16QAM



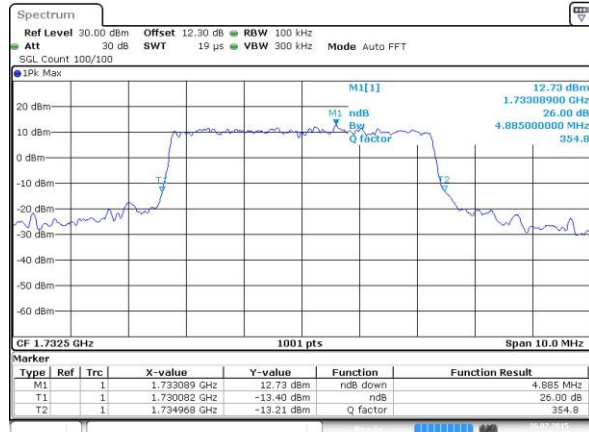
Date: 26 JUL 2015 10 19 54

Middle Channel / 5MHz / QPSK



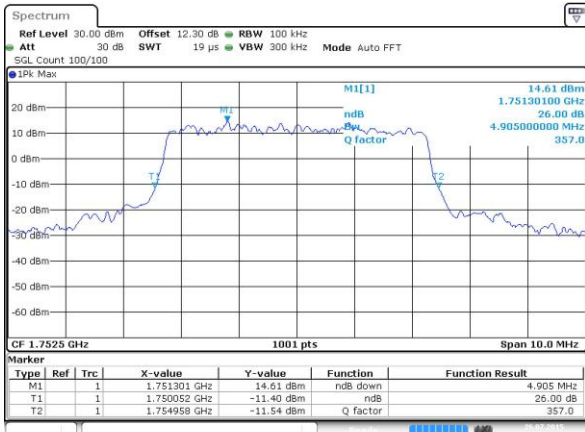
Date: 26 JUL 2015 10 26 53

Middle Channel / 5MHz / 16QAM



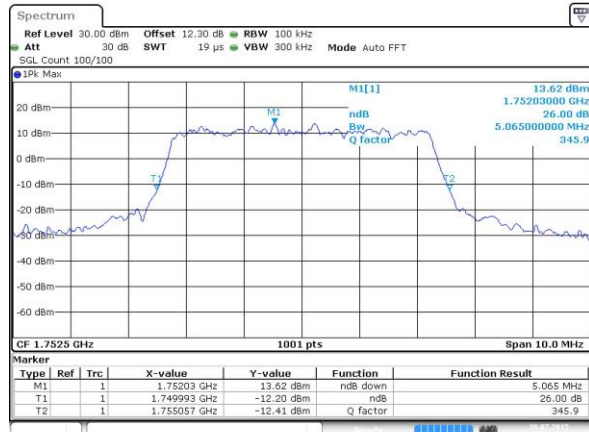
Date: 26 JUL 2015 10 27 03

Highest Channel / 5MHz / QPSK



Date: 26 JUL 2015 10 29 25

Highest Channel / 5MHz / 16QAM



Date: 26 JUL 2015 10 29 36



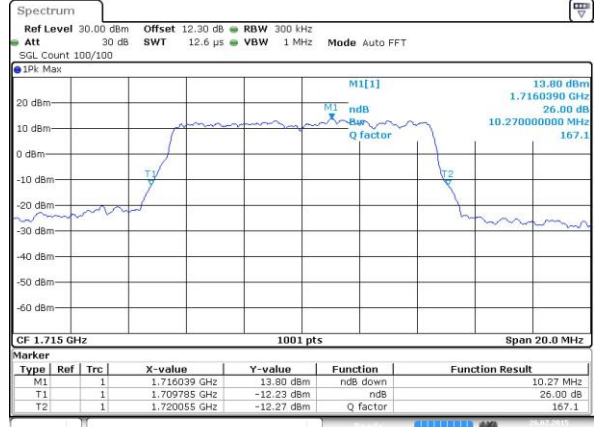
LTE Band 4

Lowest Channel / 10MHz / QPSK



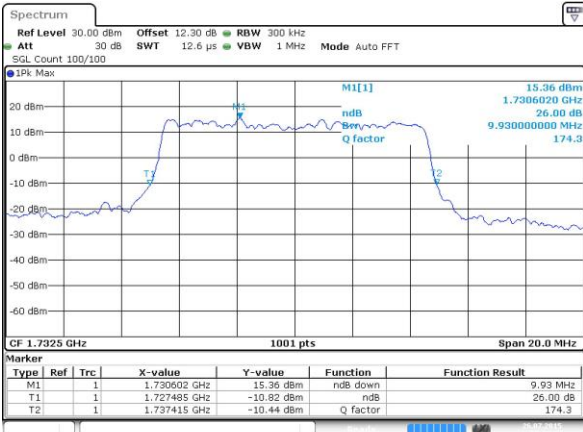
Date: 26 JUL 2015 10:37:32

Lowest Channel / 10MHz / 16QAM



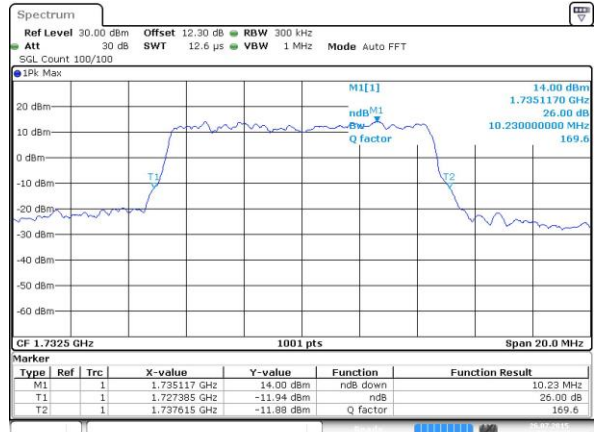
Date: 26 JUL 2015 10:37:43

Middle Channel / 10MHz / QPSK



Date: 26 JUL 2015 10:44:42

Middle Channel / 10MHz / 16QAM



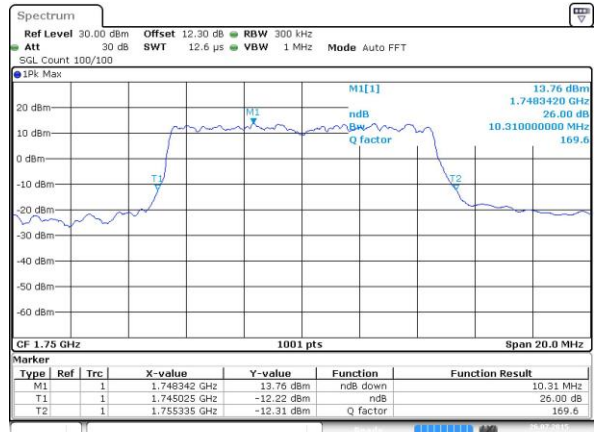
Date: 26 JUL 2015 10:44:53

Highest Channel / 10MHz / QPSK



Date: 26 JUL 2015 10:47:15

Highest Channel / 10MHz / 16QAM



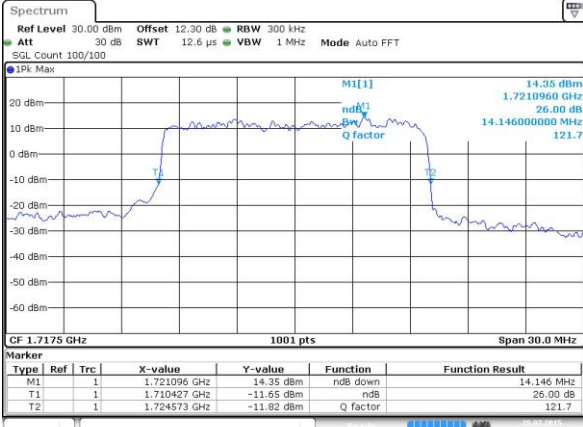
Date: 26 JUL 2015 10:47:25





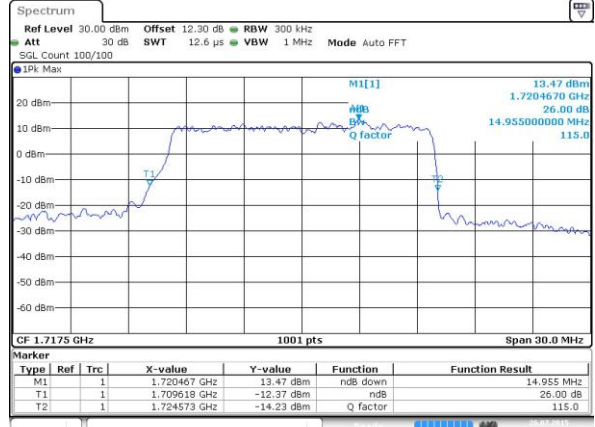
LTE Band 4

Lowest Channel / 15MHz / QPSK



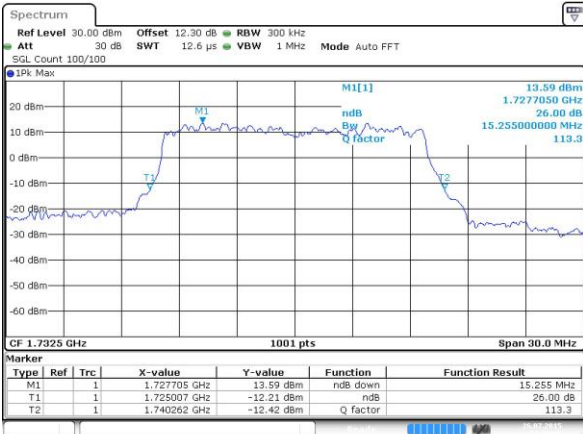
Date: 26 JUL 2015 10:54:56

Lowest Channel / 15MHz / 16QAM



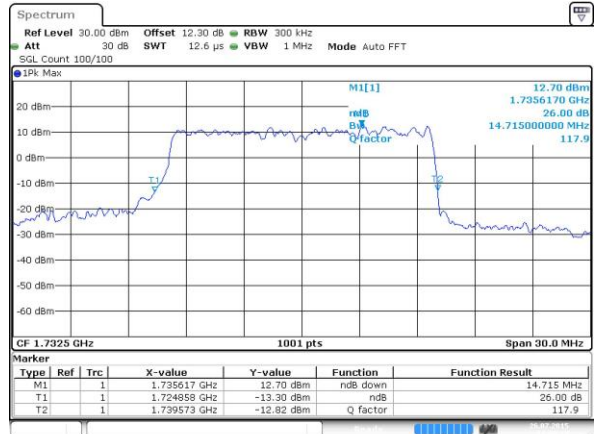
Date: 26 JUL 2015 10:55:06

Middle Channel / 15MHz / QPSK



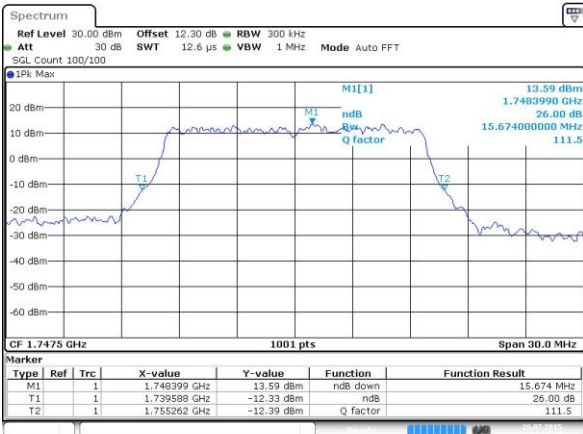
Date: 26 JUL 2015 11:02:06

Middle Channel / 15MHz / 16QAM



Date: 26 JUL 2015 11:02:16

Highest Channel / 15MHz / QPSK



Date: 26 JUL 2015 11:04:38

Highest Channel / 15MHz / 16QAM

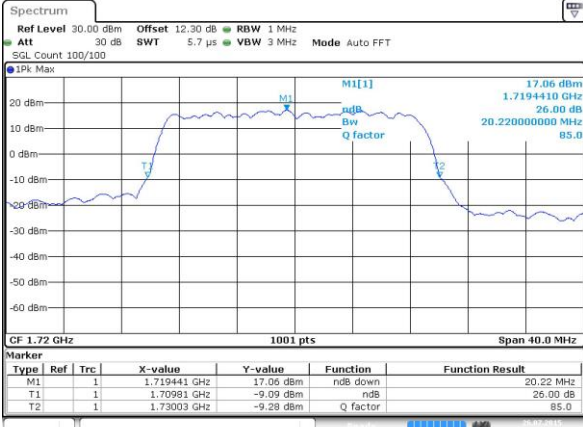


Date: 26 JUL 2015 11:04:48



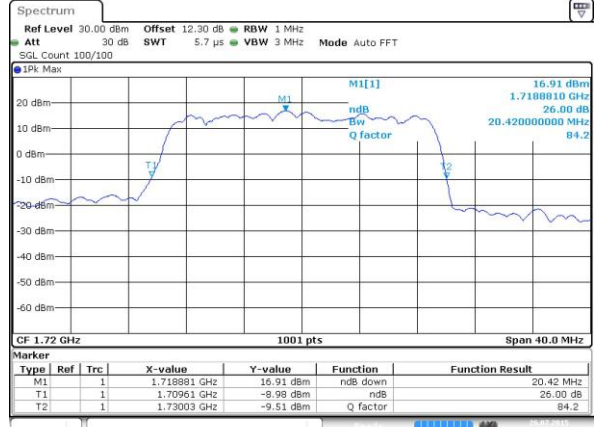
LTE Band 4

Lowest Channel / 20MHz / QPSK



Date: 26 JUL 2015 11:12:42

Lowest Channel / 20MHz / 16QAM



Date: 26 JUL 2015 11:12:53

Middle Channel / 20MHz / QPSK



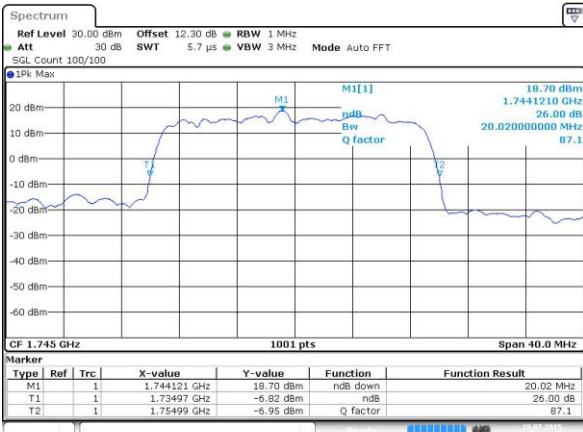
Date: 26 JUL 2015 11:19:52

Middle Channel / 20MHz / 16QAM



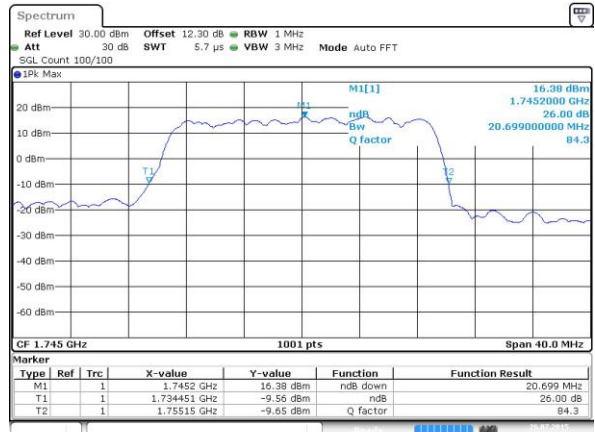
Date: 26 JUL 2015 11:20:03

Highest Channel / 20MHz / QPSK



Date: 26 JUL 2015 11:22:24

Highest Channel / 20MHz / 16QAM



Date: 26 JUL 2015 11:22:35



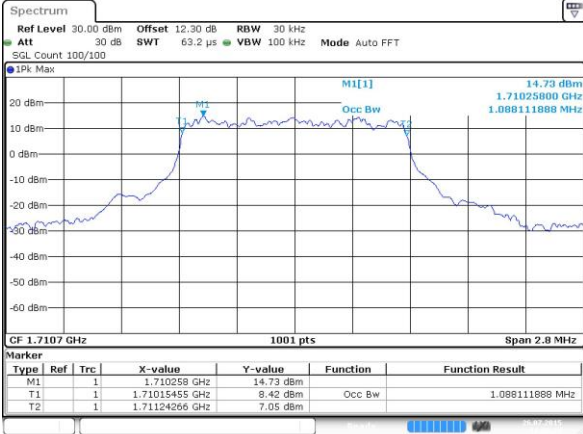
### Occupied Bandwidth

Mode	LTE Band 4 : 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	1.09	1.10	2.72	2.71	4.49	4.50	9.01	9.05	13.40	13.49	18.42	18.30
Middle CH	1.10	1.09	2.72	2.72	4.49	4.48	9.01	9.03	13.49	13.46	18.38	18.66
Highest CH	1.10	1.09	2.72	2.71	4.45	4.48	9.05	9.01	13.43	13.46	18.34	18.30



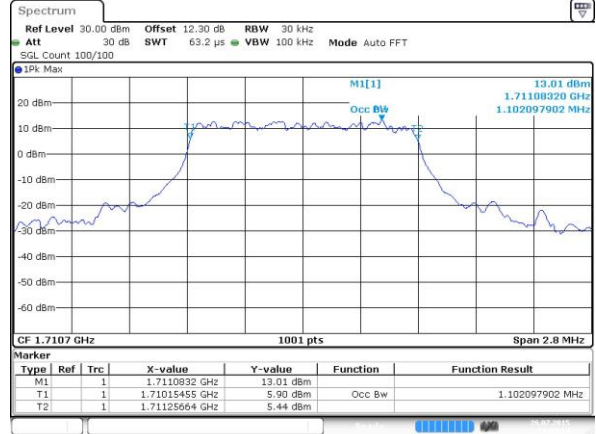
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



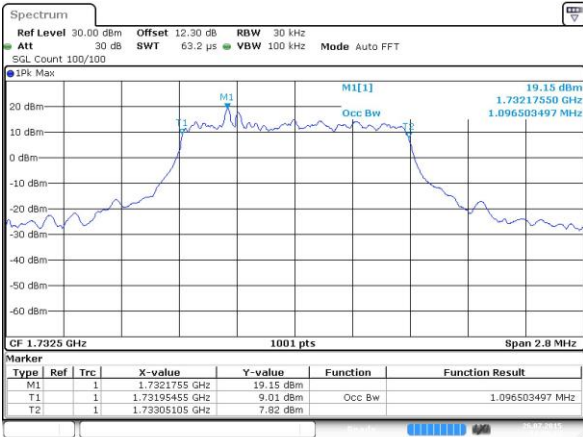
Date: 26 JUL 2015 11:32:23

Lowest Channel / 1.4MHz / 16QAM



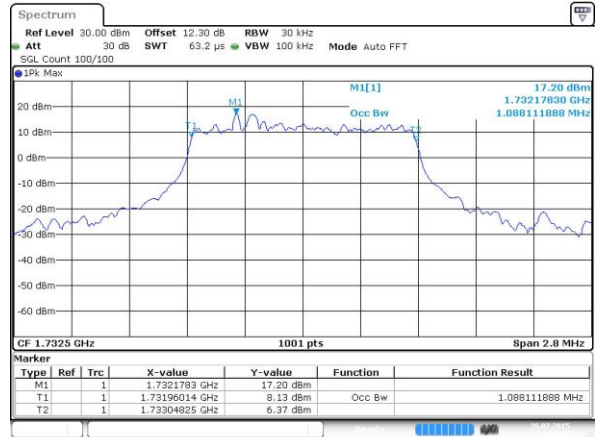
Date: 26 JUL 2015 11:32:34

Middle Channel / 1.4MHz / QPSK



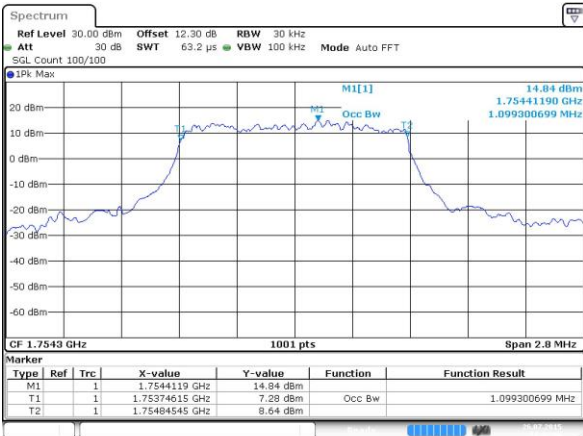
Date: 26 JUL 2015 11:39:33

Middle Channel / 1.4MHz / 16QAM



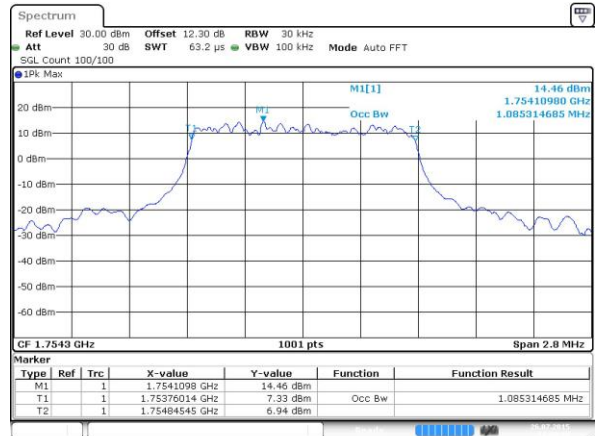
Date: 26 JUL 2015 11:39:44

Highest Channel / 1.4MHz / QPSK



Date: 26 JUL 2015 11:42:05

Highest Channel / 1.4MHz / 16QAM

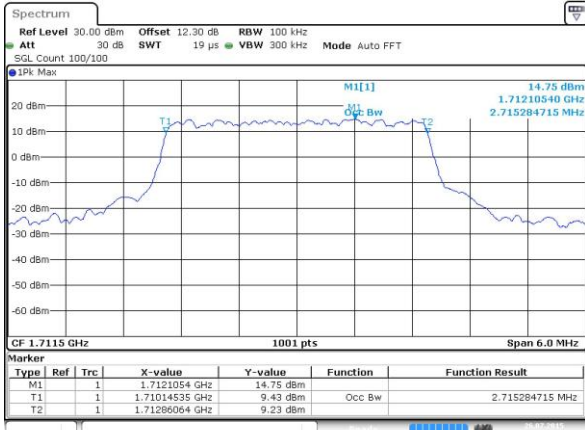


Date: 26 JUL 2015 11:52:32



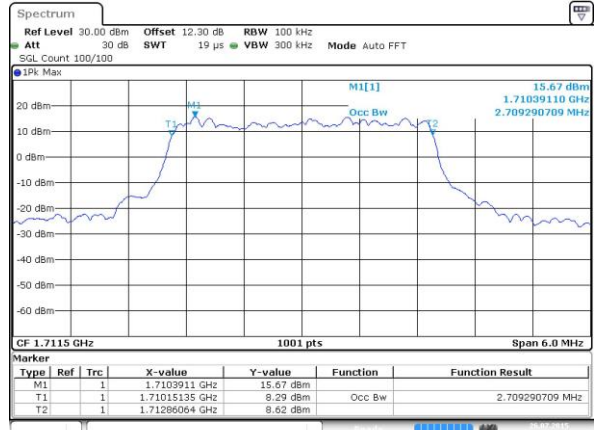
LTE Band 4

Lowest Channel / 3MHz / QPSK



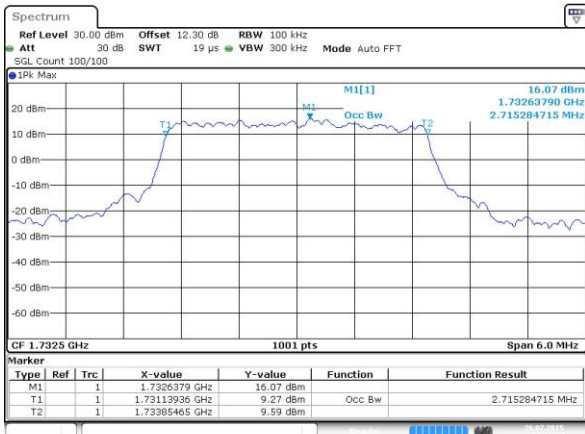
Date: 26 JUL 2015 11:53:09

Lowest Channel / 3MHz / 16QAM



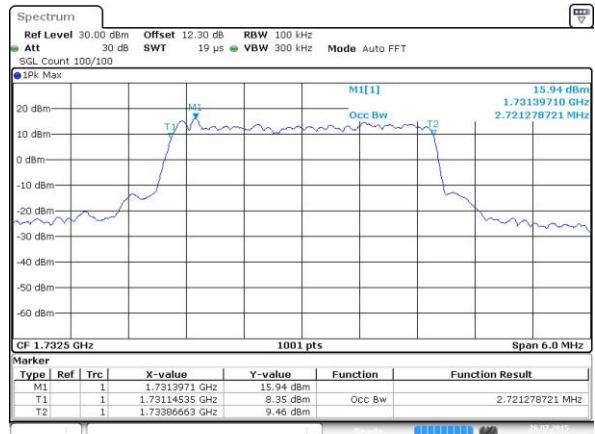
Date: 26 JUL 2015 09:58:16

Middle Channel / 3MHz / QPSK



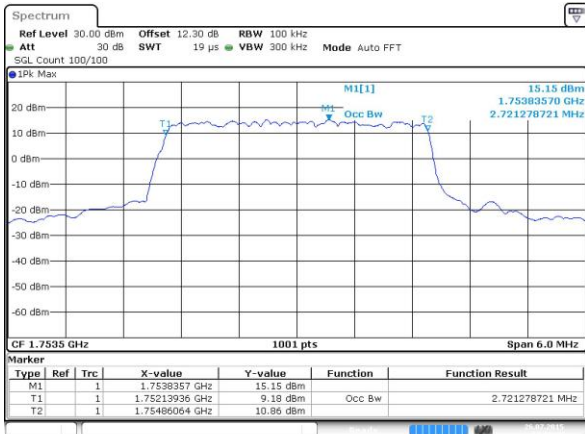
Date: 26 JUL 2015 10:05:15

Middle Channel / 3MHz / 16QAM



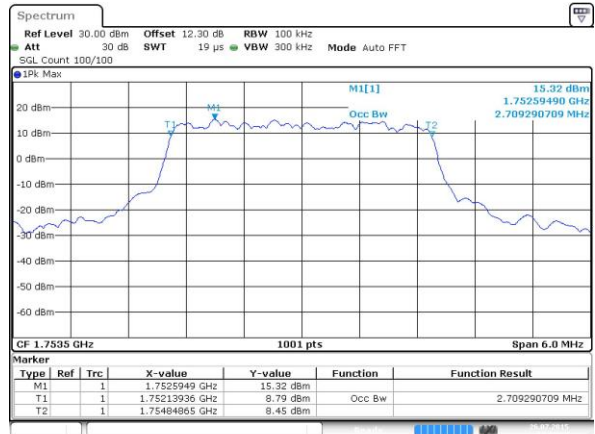
Date: 26 JUL 2015 10:05:25

Highest Channel / 3MHz / QPSK



Date: 26 JUL 2015 10:07:47

Highest Channel / 3MHz / 16QAM

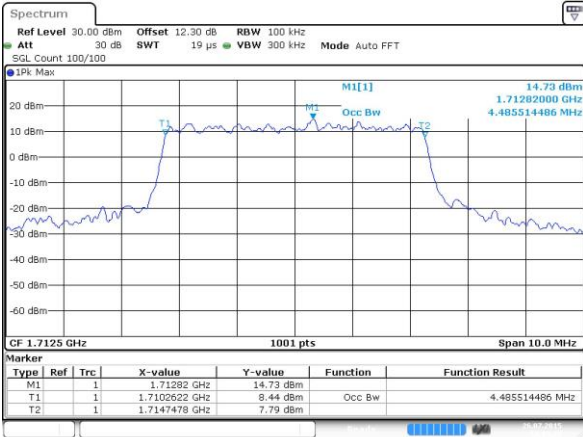


Date: 26 JUL 2015 10:07:58



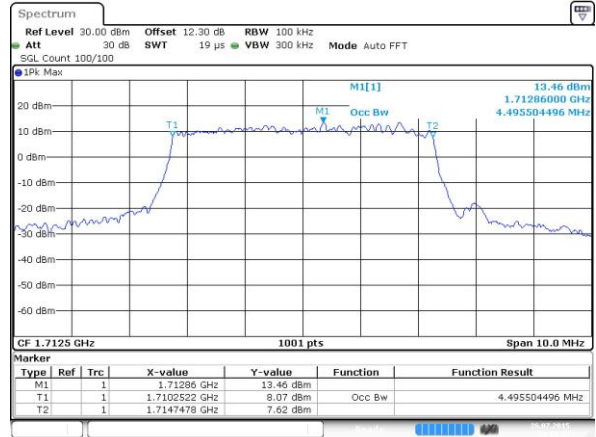
LTE Band 4

Lowest Channel / 5MHz / QPSK



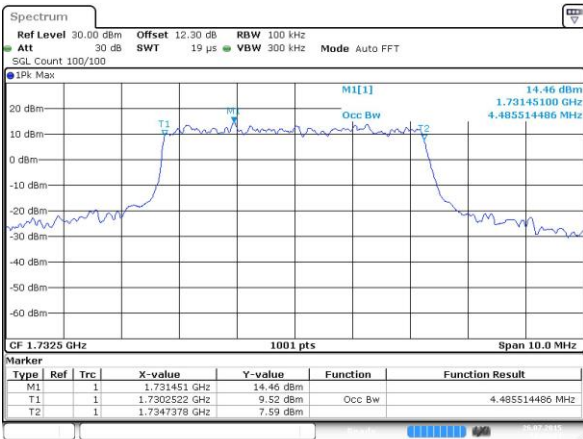
Date: 26 JUL 2015 10:19:22

Lowest Channel / 5MHz / 16QAM



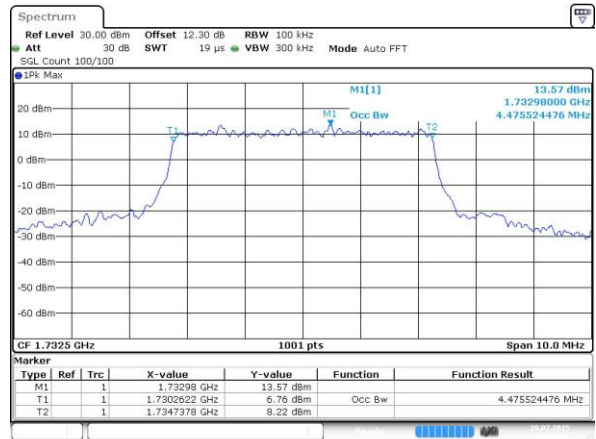
Date: 26 JUL 2015 10:19:32

Middle Channel / 5MHz / QPSK



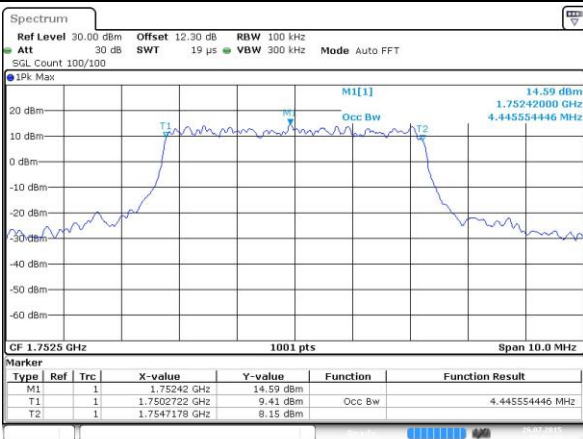
Date: 26 JUL 2015 10:26:31

Middle Channel / 5MHz / 16QAM



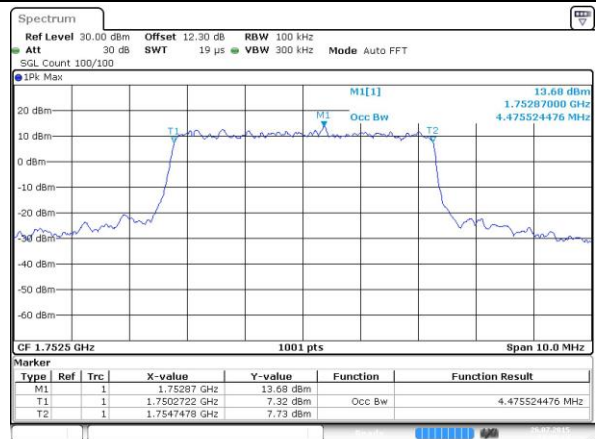
Date: 26 JUL 2015 10:26:42

Highest Channel / 5MHz / QPSK



Date: 26 JUL 2015 10:29:04

Highest Channel / 5MHz / 16QAM

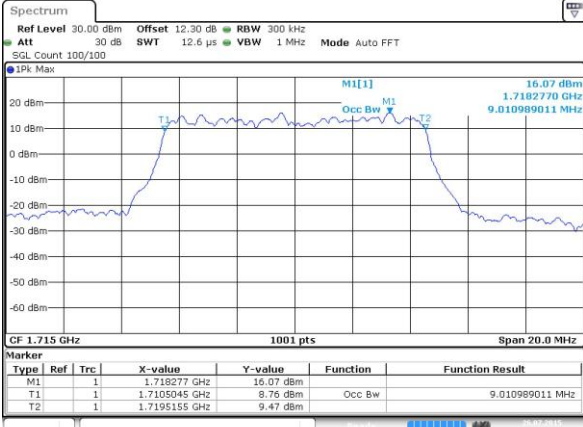


Date: 26 JUL 2015 10:29:14



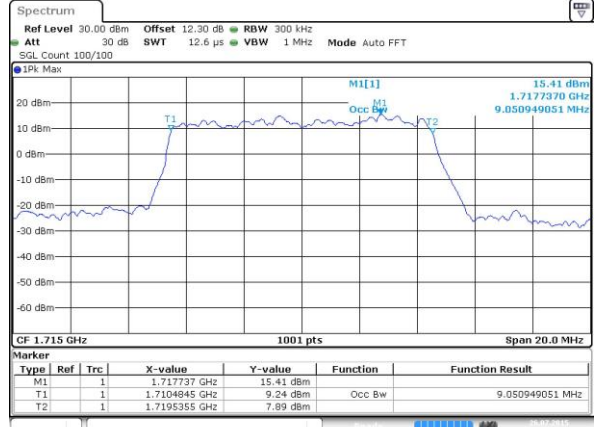
LTE Band 4

Lowest Channel / 10MHz / QPSK



Date: 26 JUL 2015 10:37:11

Lowest Channel / 10MHz / 16QAM



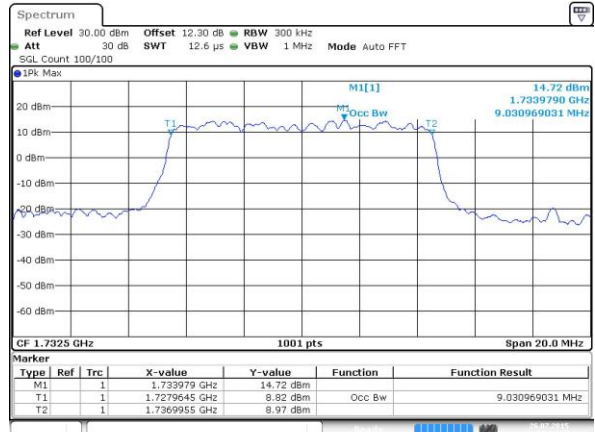
Date: 26 JUL 2015 10:37:22

Middle Channel / 10MHz / QPSK



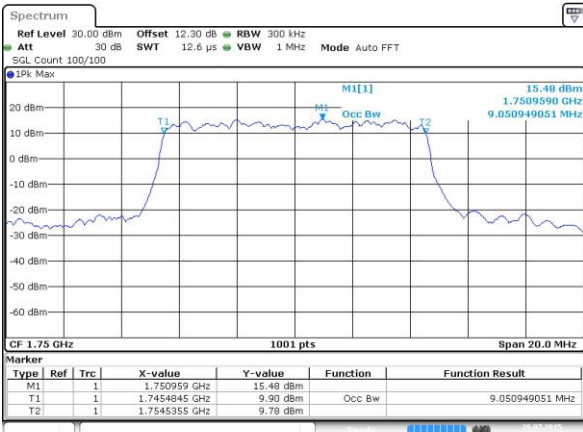
Date: 26 JUL 2015 10:44:21

Middle Channel / 10MHz / 16QAM



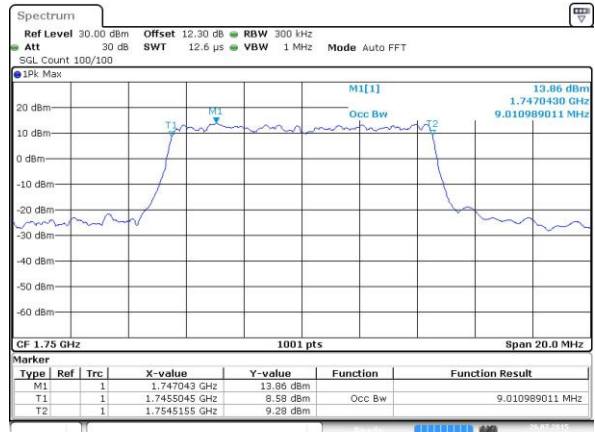
Date: 26 JUL 2015 10:44:32

Highest Channel / 10MHz / QPSK



Date: 26 JUL 2015 10:46:53

Highest Channel / 10MHz / 16QAM

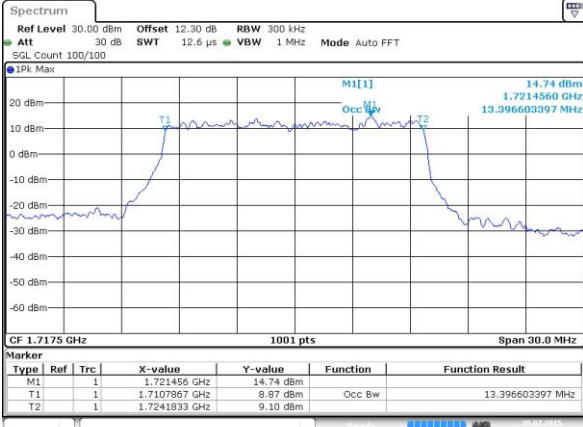


Date: 26 JUL 2015 10:47:04



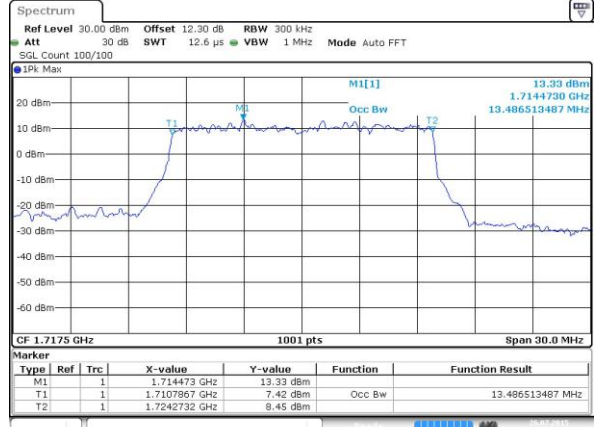
LTE Band 4

Lowest Channel / 15MHz / QPSK



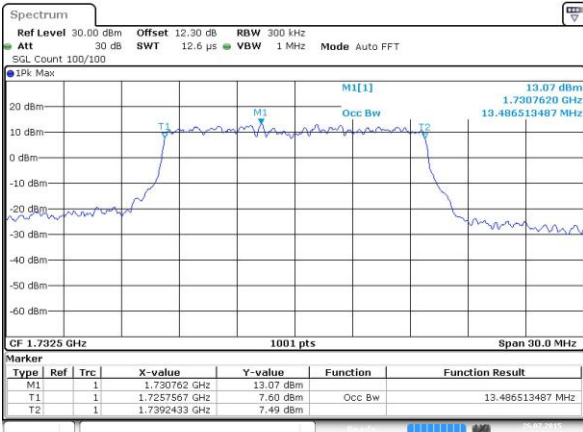
Date: 26 JUL 2015 10:54:35

Lowest Channel / 15MHz / 16QAM



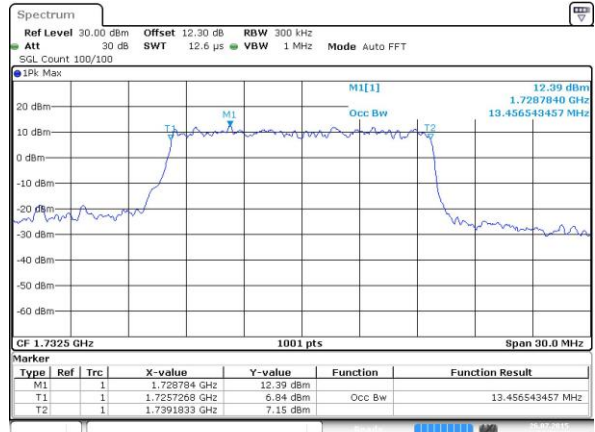
Date: 26 JUL 2015 10:54:45

Middle Channel / 15MHz / QPSK



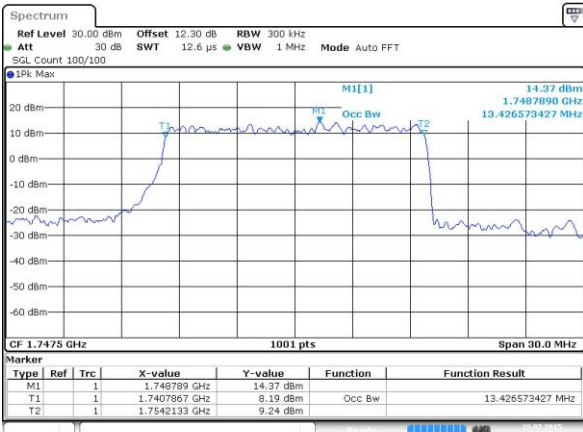
Date: 26 JUL 2015 11:01:44

Middle Channel / 15MHz / 16QAM



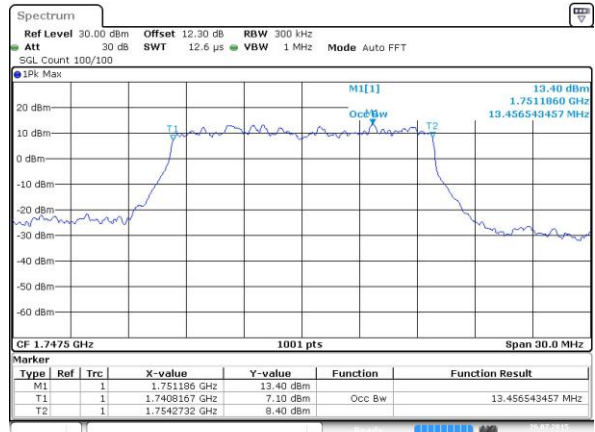
Date: 26 JUL 2015 11:01:55

Highest Channel / 15MHz / QPSK



Date: 26 JUL 2015 11:04:16

Highest Channel / 15MHz / 16QAM



Date: 26 JUL 2015 11:04:27





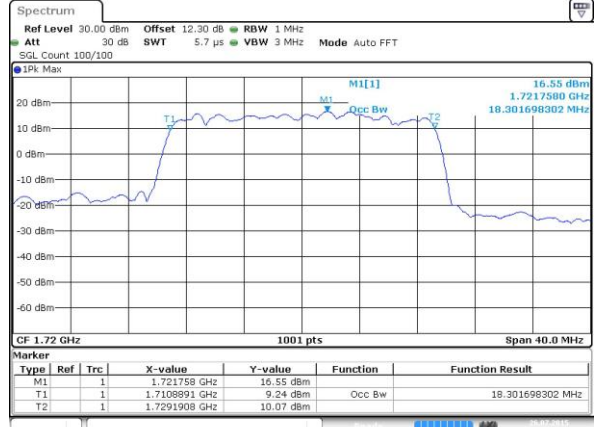
LTE Band 4

Lowest Channel / 20MHz / QPSK



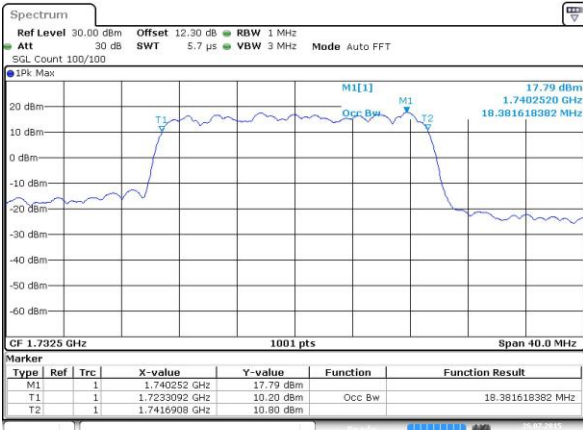
Date: 26 JUL 2015 11:12:21

Lowest Channel / 20MHz / 16QAM



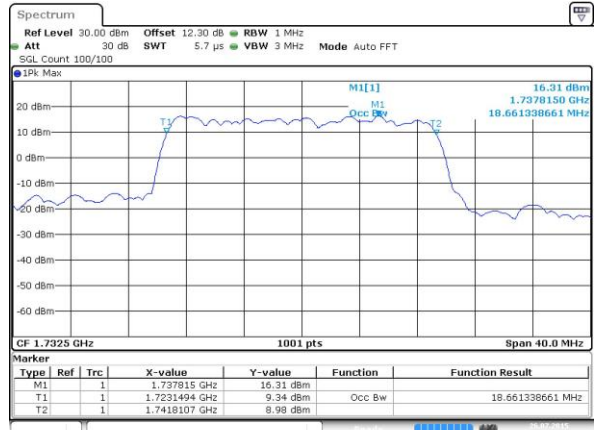
Date: 26 JUL 2015 11:12:32

Middle Channel / 20MHz / QPSK



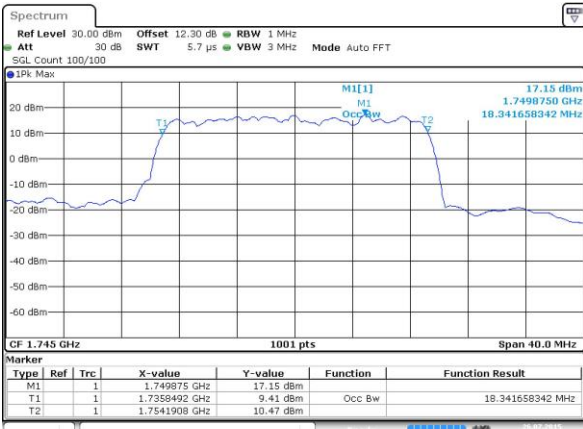
Date: 26 JUL 2015 11:19:31

Middle Channel / 20MHz / 16QAM



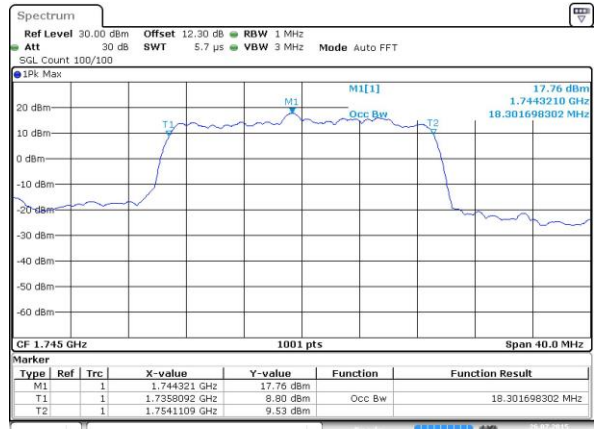
Date: 26 JUL 2015 11:19:42

Highest Channel / 20MHz / QPSK



Date: 26 JUL 2015 11:22:03

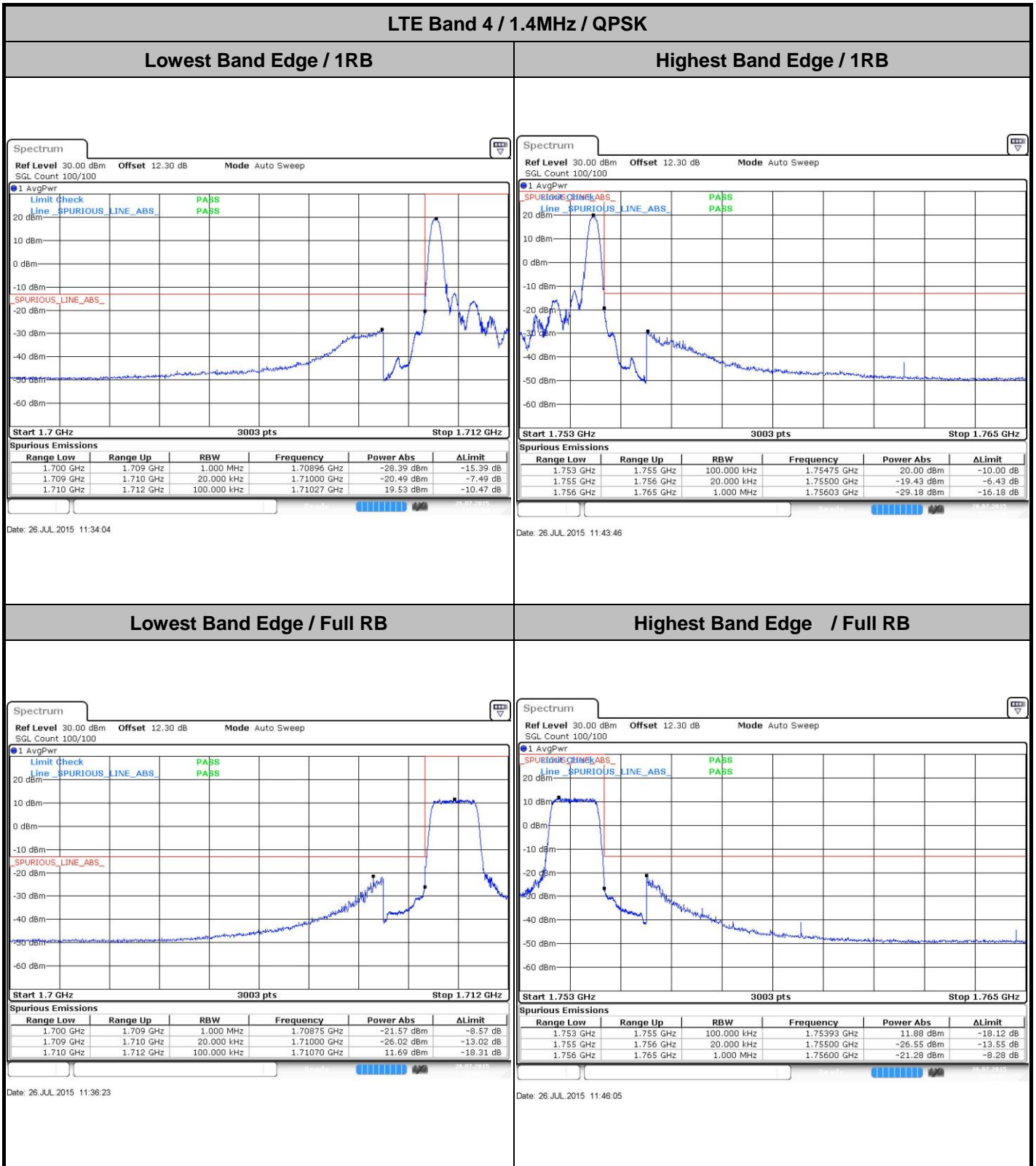
Highest Channel / 20MHz / 16QAM



Date: 26 JUL 2015 11:22:14



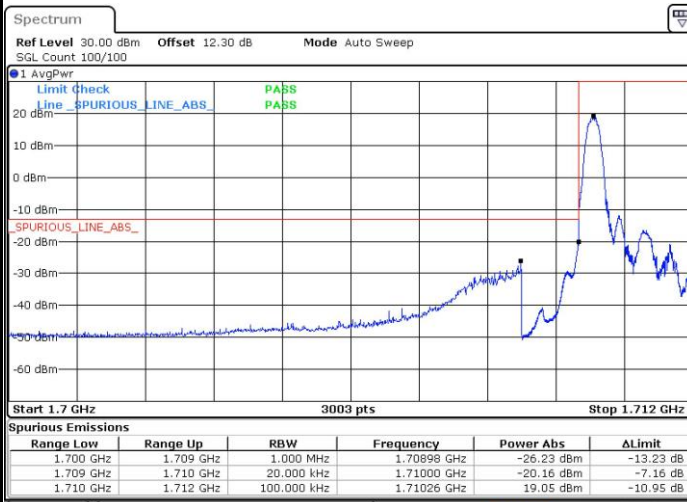
# Conducted Band Edge





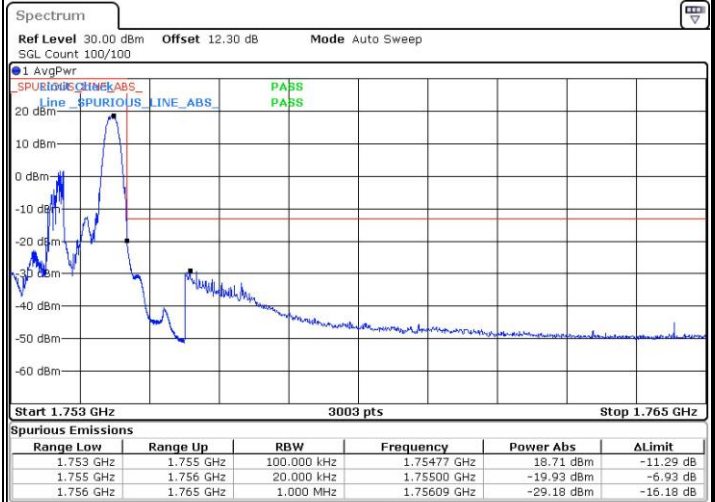
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



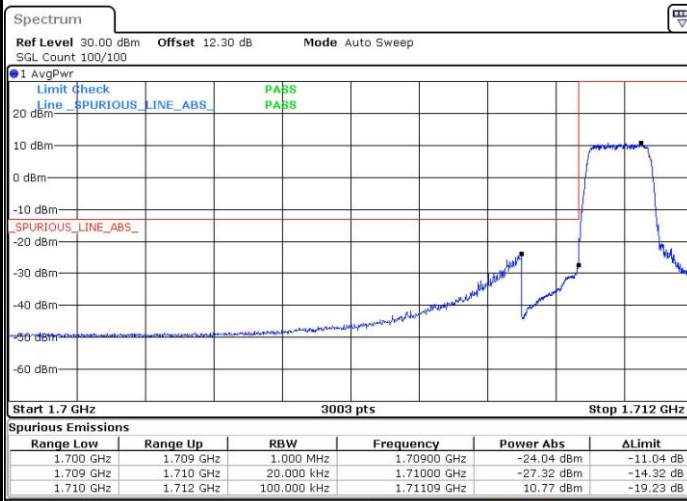
Date: 26 JUL 2015 11:35:13

Highest Band Edge / 1 RB



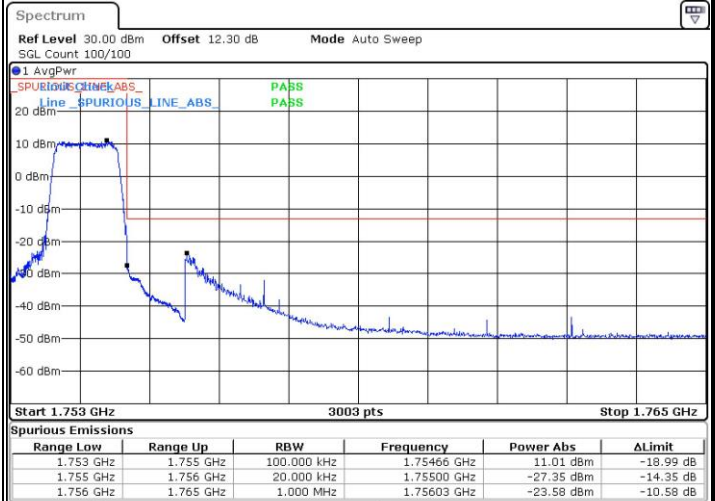
Date: 26 JUL 2015 11:44:56

Lowest Band Edge / Full RB



Date: 26 JUL 2015 11:37:32

Highest Band Edge / Full RB



Date: 26 JUL 2015 11:47:15