



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	3.91	4.49	4.87	5.33	PASS
Middle CH	3.8	4.41	4.78	4.99	
Highest CH	3.54	4.49	4.7	5.25	

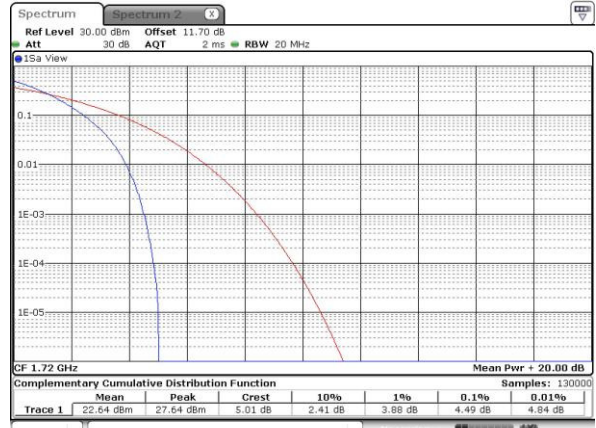


LTE Band 4 / 20MHz / QPSK

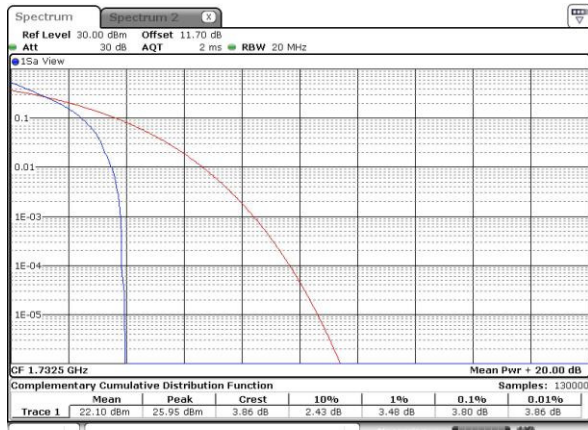
Lowest Channel / 1RB



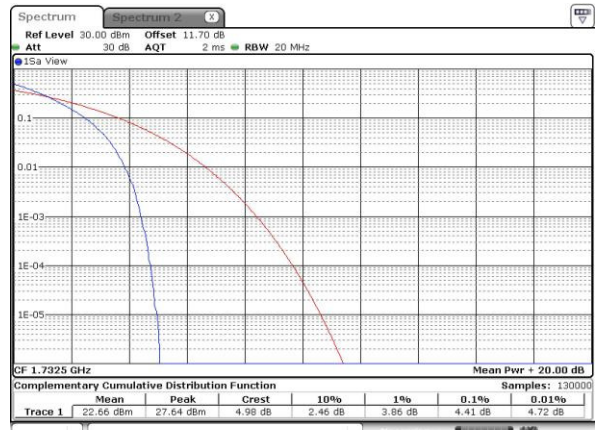
Lowest Channel / Full RB



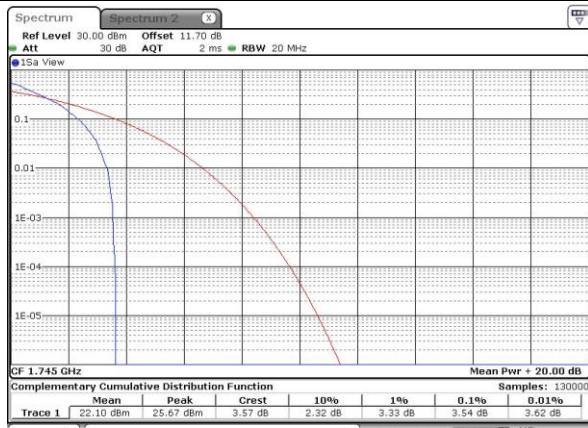
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



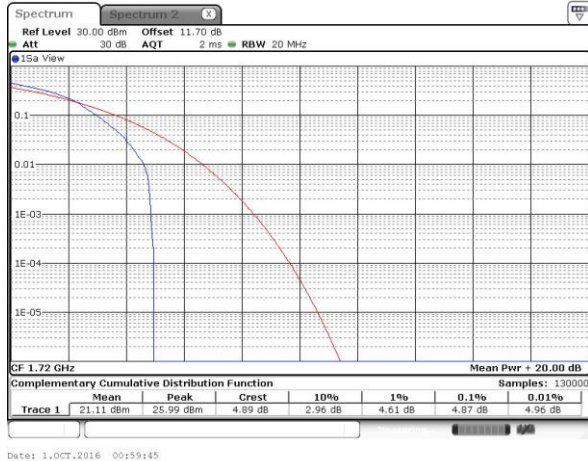
Highest Channel / Full RB



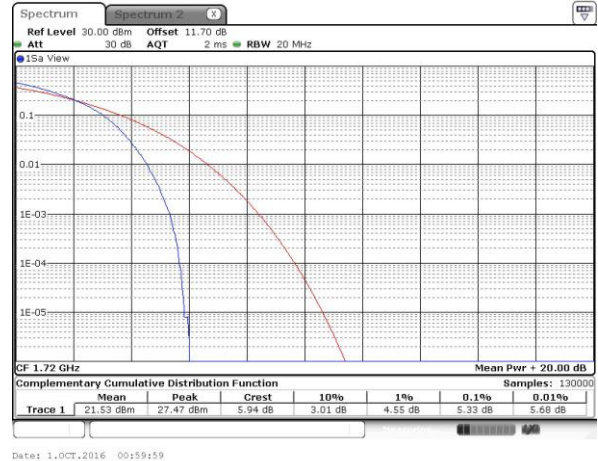


LTE Band 4 / 20MHz / 16QAM

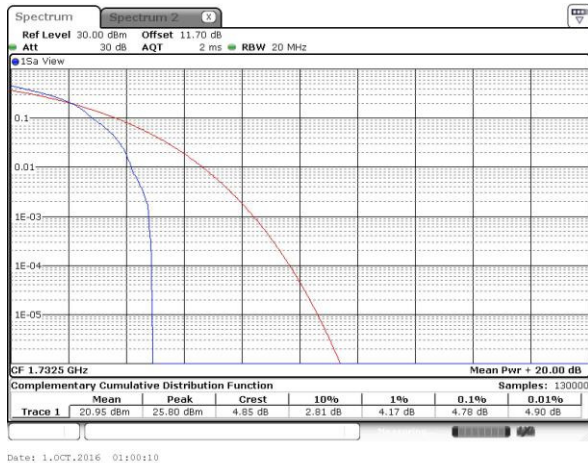
Lowest Channel / 1RB



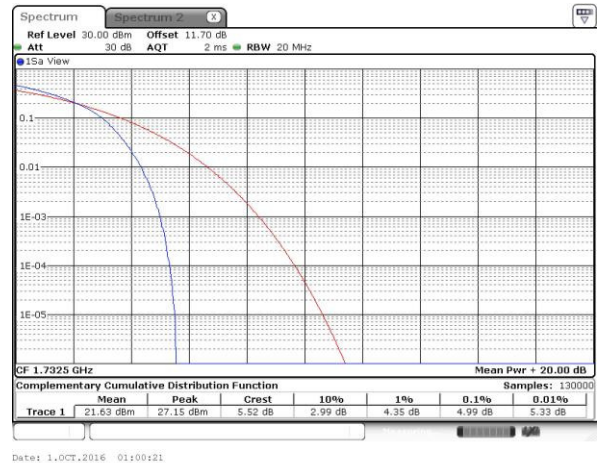
Lowest Channel / Full RB



Middle Channel / 1RB



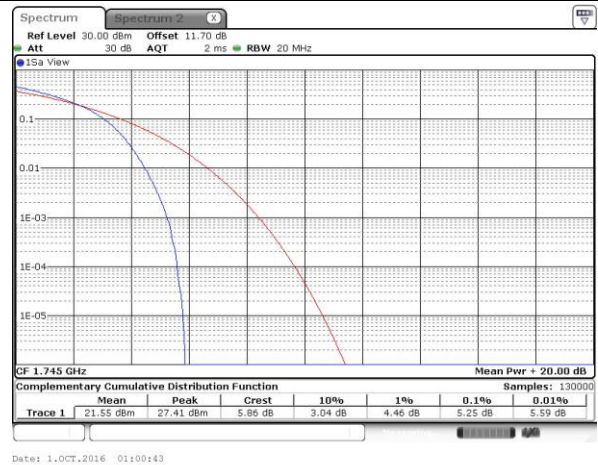
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



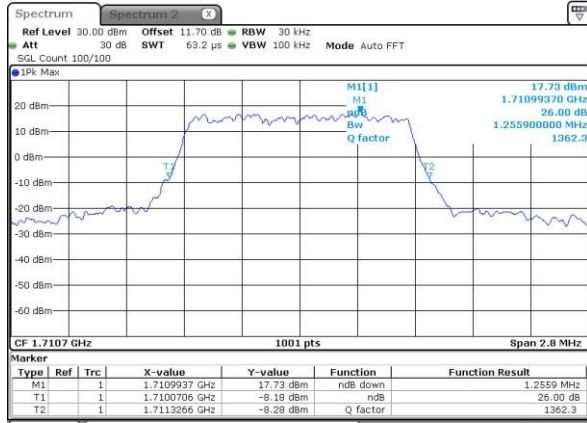
**26dB Bandwidth**

Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.32	3.02	3.03	4.91	4.93	9.91	9.87	14.21	14.24	20.18	20.10
Middle CH	1.28	1.29	3.00	2.96	4.88	4.90	9.63	9.79	14.42	14.51	20.22	20.18
Highest CH	1.27	1.27	3.04	2.99	4.94	4.98	9.87	9.81	14.45	14.33	20.22	20.18

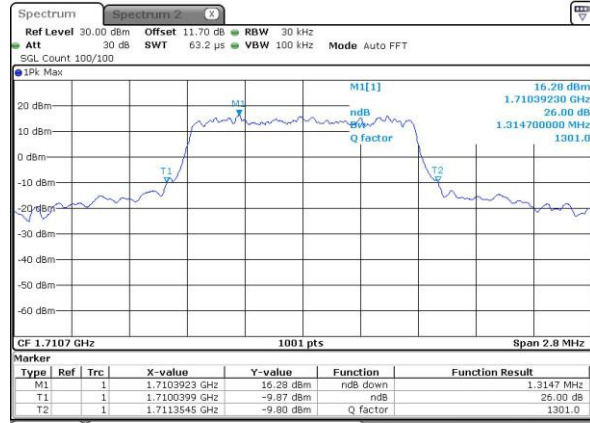


LTE Band 4

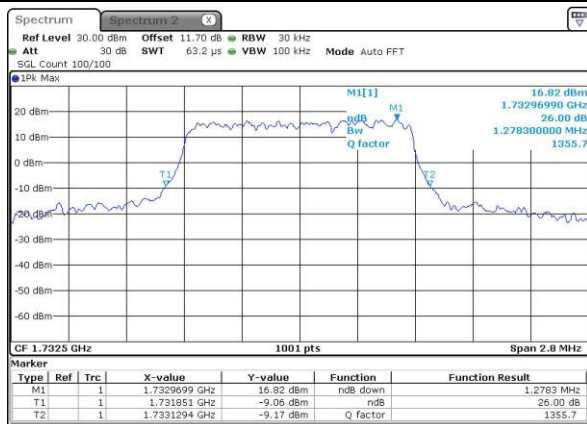
Lowest Channel / 1.4MHz / QPSK



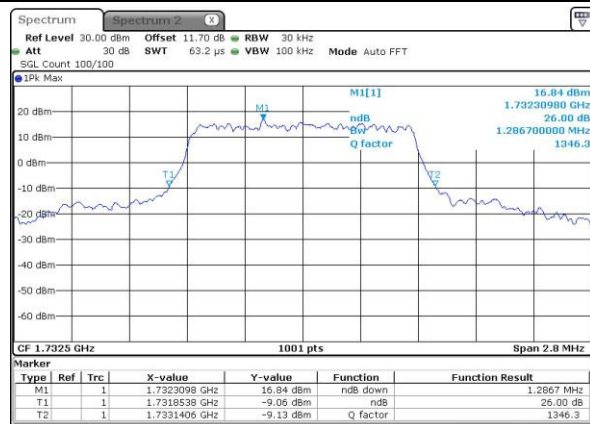
Lowest Channel / 1.4MHz / 16QAM



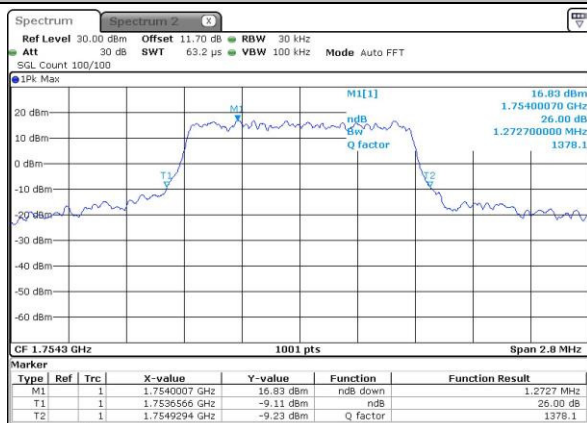
Middle Channel / 1.4MHz / QPSK



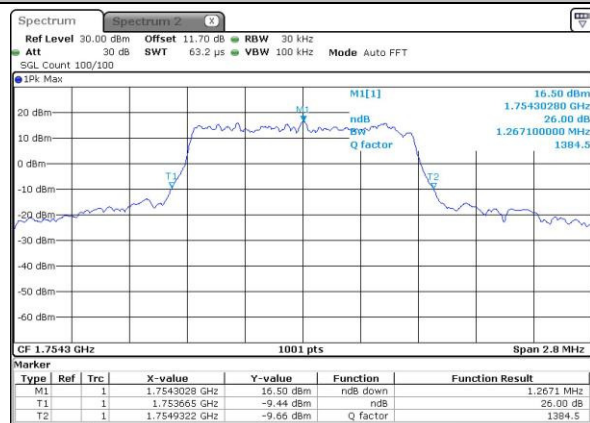
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



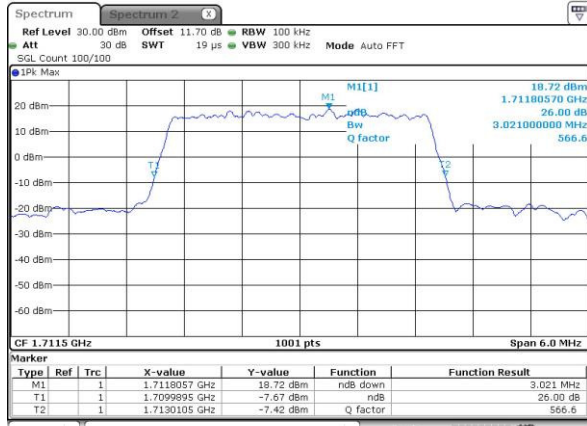
Highest Channel / 1.4MHz / 16QAM





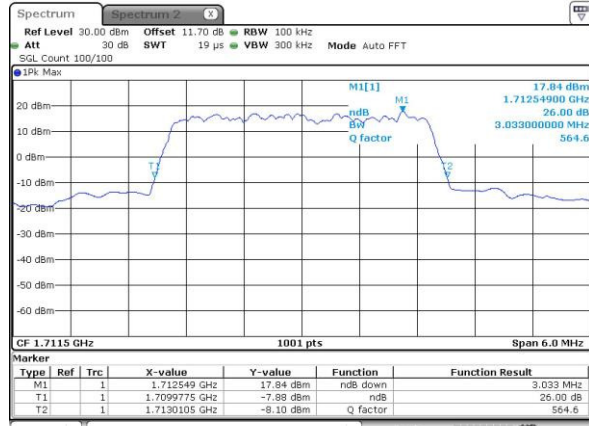
LTE Band 4

Lowest Channel / 3MHz / QPSK



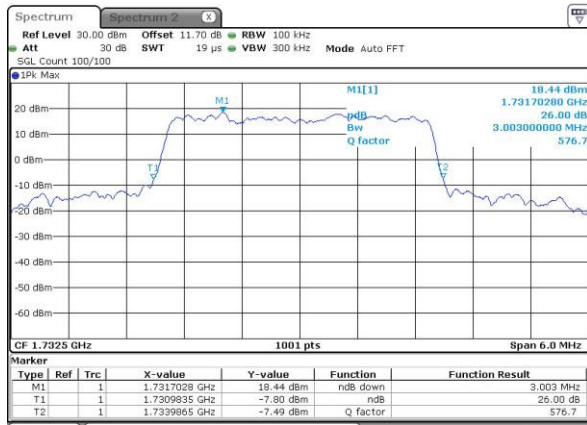
Date: 30.SEP.2016 23:23:54

Lowest Channel / 3MHz / 16QAM



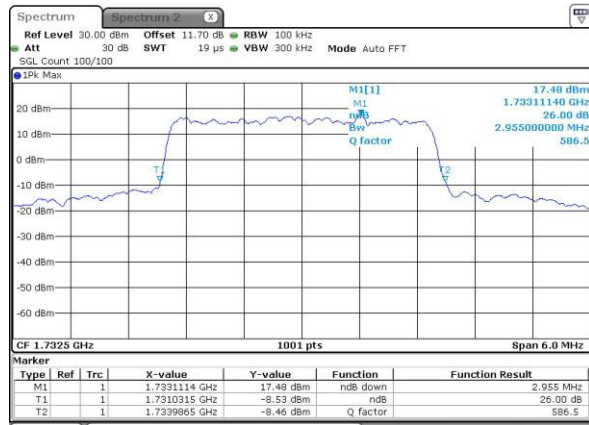
Date: 30.SEP.2016 23:24:06

Middle Channel / 3MHz / QPSK



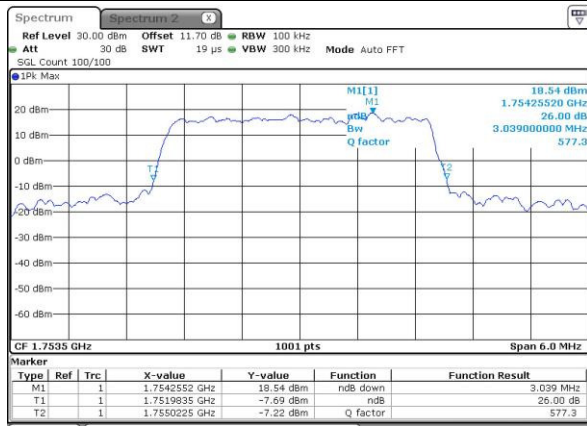
Date: 30.SEP.2016 23:31:11

Middle Channel / 3MHz / 16QAM



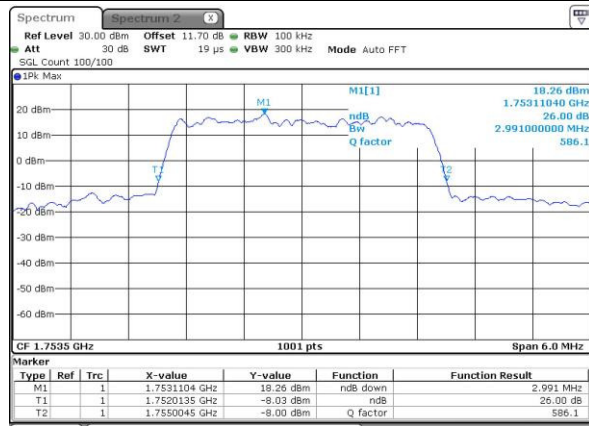
Date: 30.SEP.2016 23:31:23

Highest Channel / 3MHz / QPSK



Date: 30.SEP.2016 23:33:51

Highest Channel / 3MHz / 16QAM

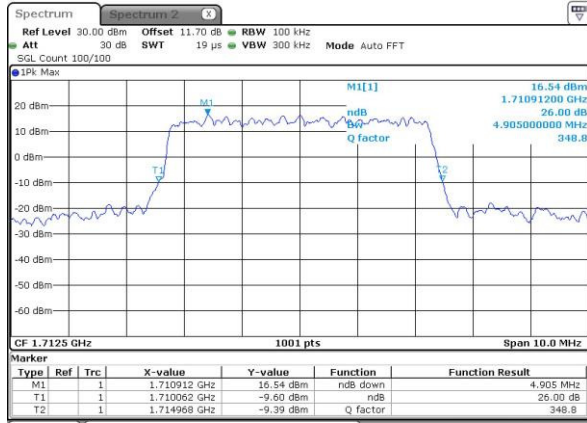


Date: 30.SEP.2016 23:34:03



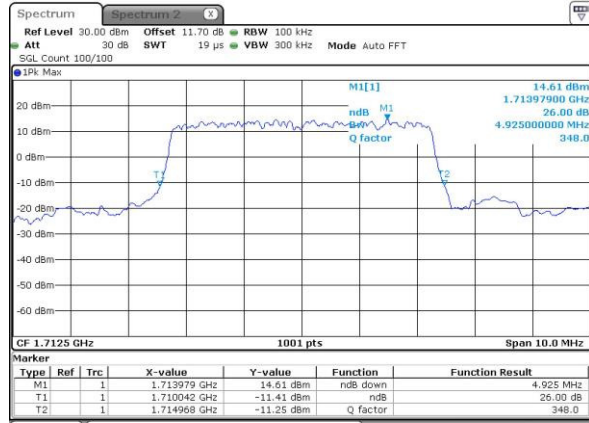
LTE Band 4

Lowest Channel / 5MHz / QPSK



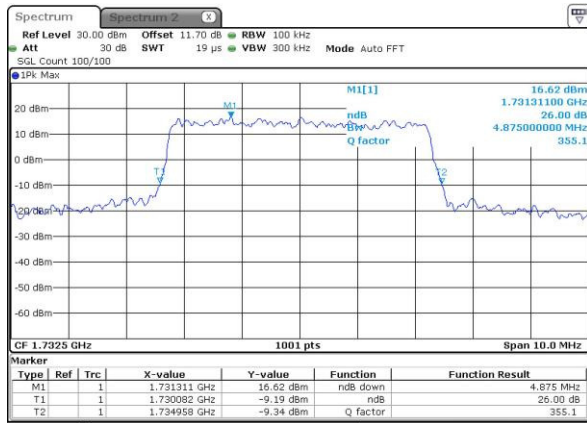
Date: 30.SEP.2016 23:41:10

Lowest Channel / 5MHz / 16QAM



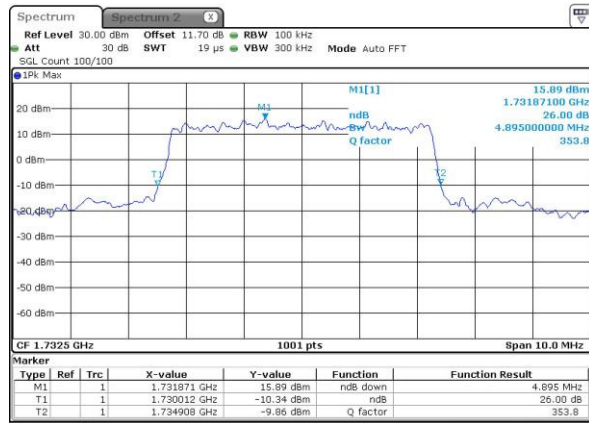
Date: 30.SEP.2016 23:41:12

Middle Channel / 5MHz / QPSK



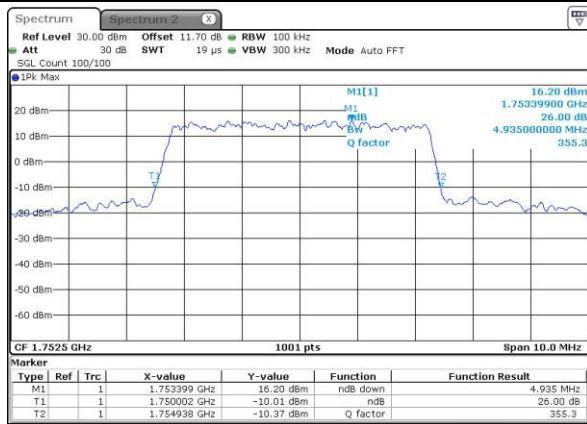
Date: 30.SEP.2016 23:48:28

Middle Channel / 5MHz / 16QAM



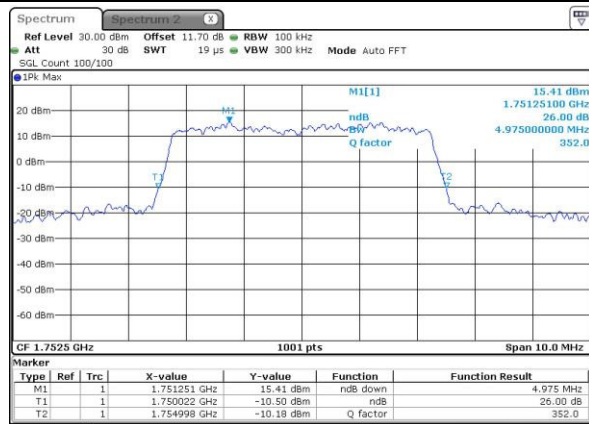
Date: 30.SEP.2016 23:48:39

Highest Channel / 5MHz / QPSK



Date: 30.SEP.2016 23:51:08

Highest Channel / 5MHz / 16QAM

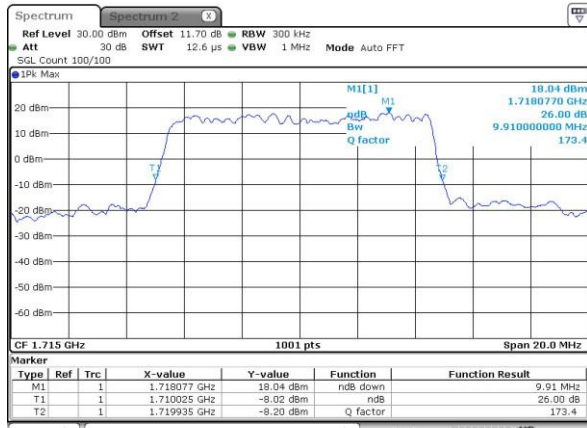


Date: 30.SEP.2016 23:51:20



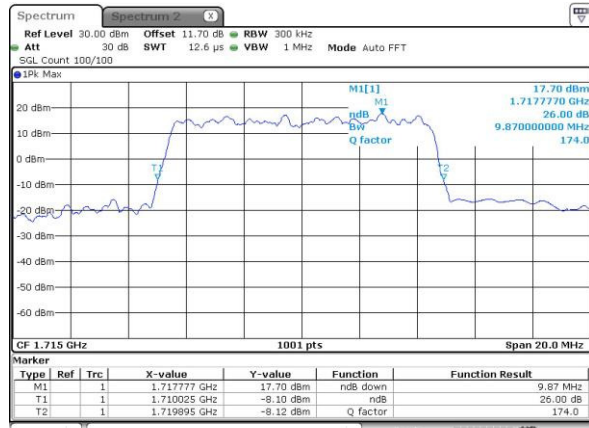
LTE Band 4

Lowest Channel / 10MHz / QPSK



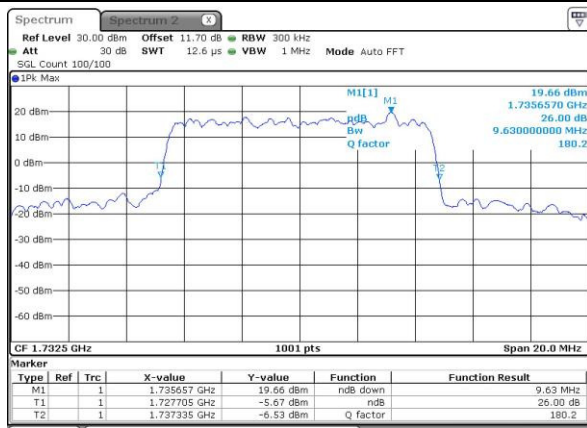
Date: 30,SEP,2016 23:58:26

Lowest Channel / 10MHz / 16QAM



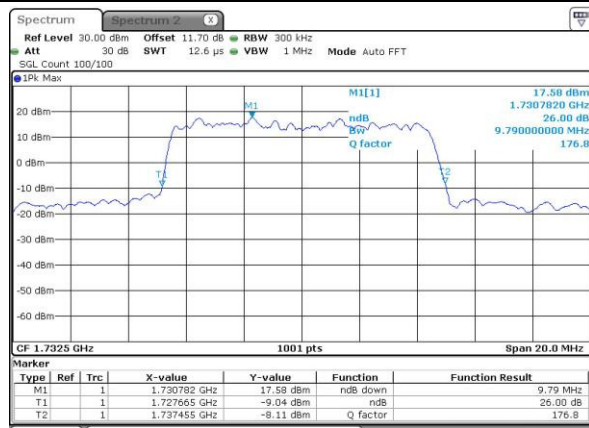
Date: 30,SEP,2016 23:58:38

Middle Channel / 10MHz / QPSK



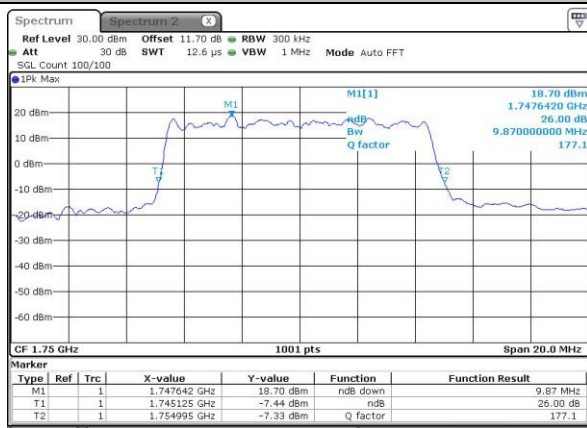
Date: 1,OCT,2016 00:05:44

Middle Channel / 10MHz / 16QAM



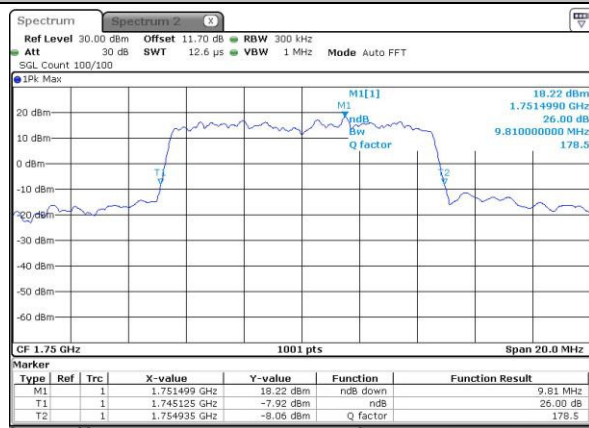
Date: 1,OCT,2016 00:05:56

Highest Channel / 10MHz / QPSK



Date: 1,OCT,2016 00:08:24

Highest Channel / 10MHz / 16QAM

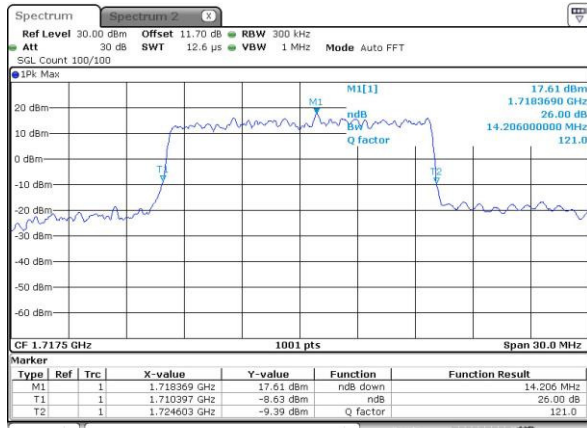


Date: 1,OCT,2016 00:08:36



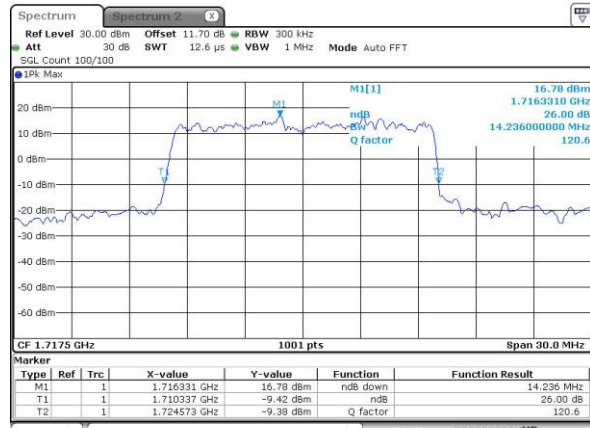
LTE Band 4

Lowest Channel / 15MHz / QPSK



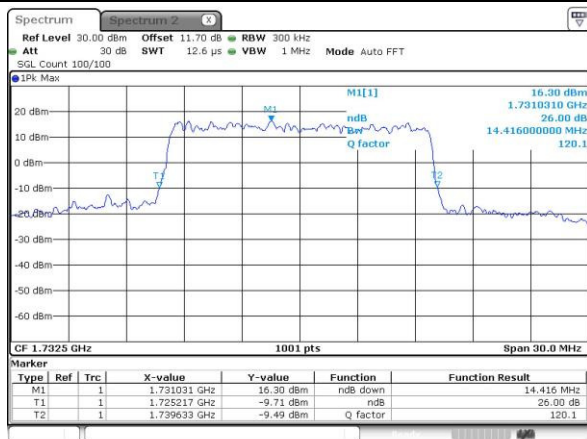
Date: 1.OCT.2016 00:18:21

Lowest Channel / 15MHz / 16QAM



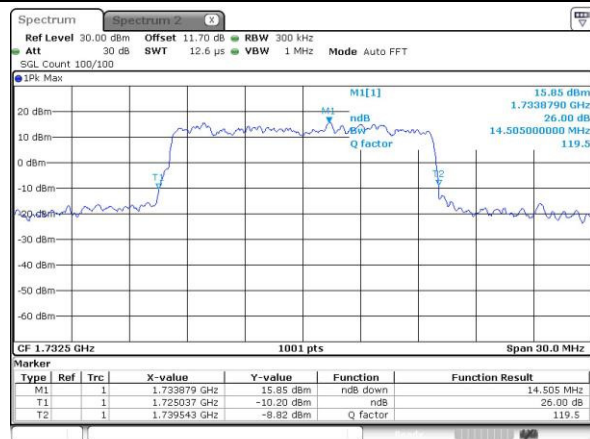
Date: 1.OCT.2016 00:18:33

Middle Channel / 15MHz / QPSK



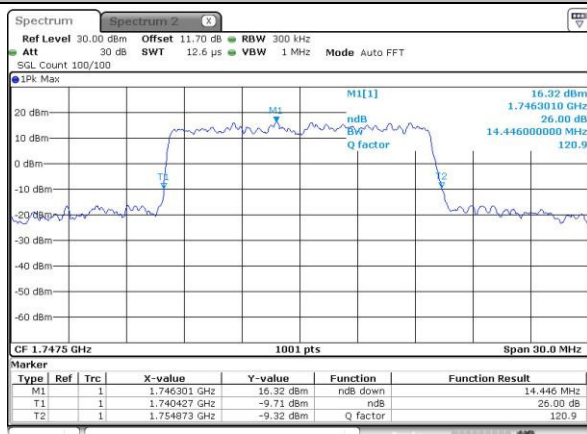
Date: 1.OCT.2016 00:25:39

Middle Channel / 15MHz / 16QAM



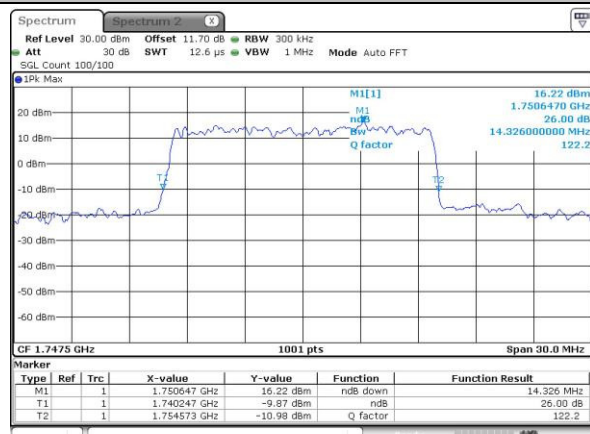
Date: 1.OCT.2016 00:25:51

Highest Channel / 15MHz / QPSK



Date: 1.OCT.2016 00:28:19

Highest Channel / 15MHz / 16QAM

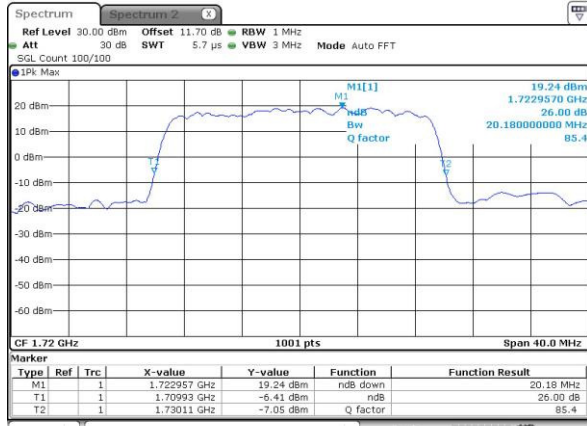


Date: 1.OCT.2016 00:28:31

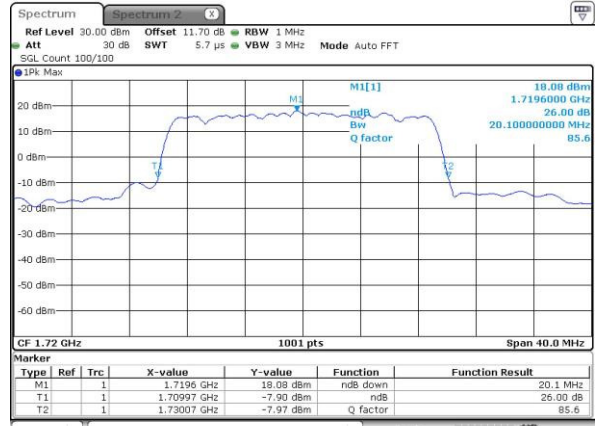


LTE Band 4

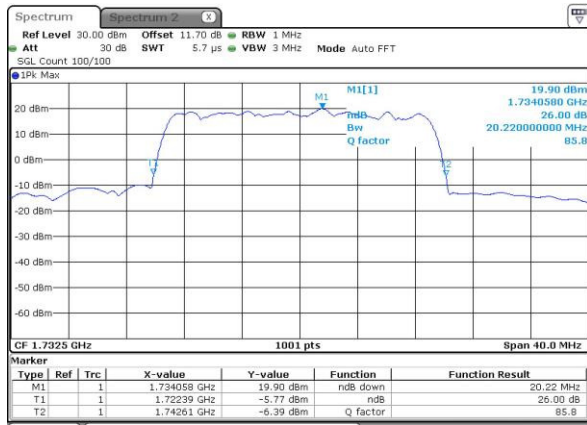
Lowest Channel / 20MHz / QPSK



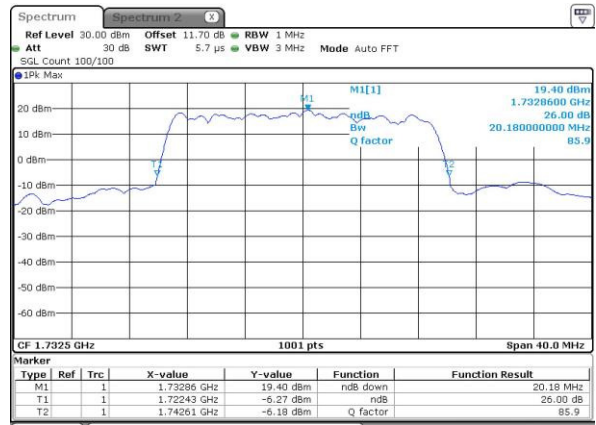
Lowest Channel / 20MHz / 16QAM



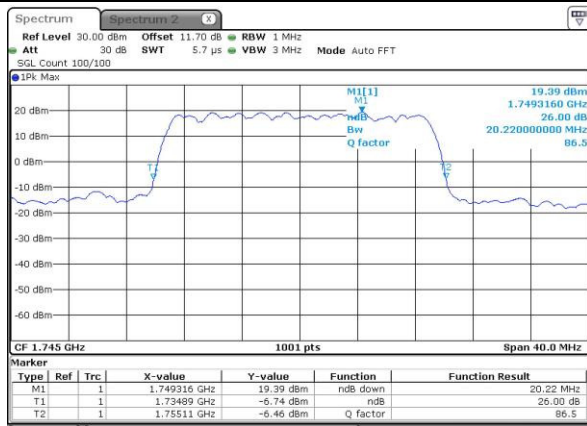
Middle Channel / 20MHz / QPSK



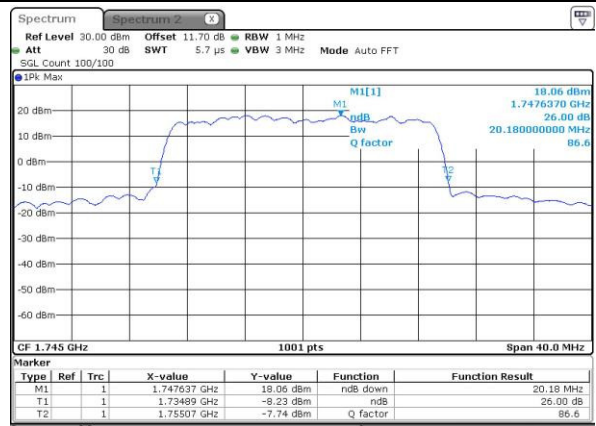
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



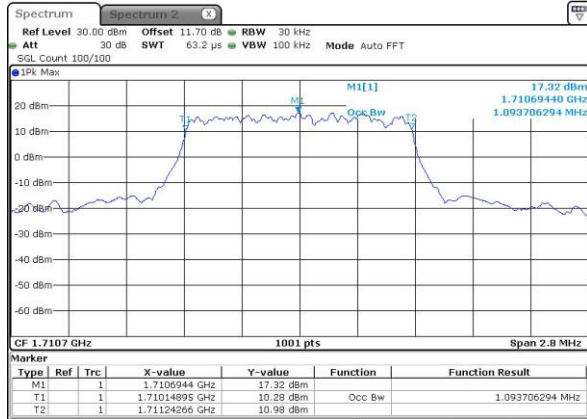
**Occupied Bandwidth**

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.74	2.73	4.5	4.49	9.01	9.03	13.4	13.43	18.3	18.38
Middle CH	1.1	1.1	2.72	2.73	4.5	4.5	9.03	9.09	13.43	13.49	18.34	18.34
Highest CH	1.1	1.1	2.73	2.7	4.48	4.51	9.01	8.99	13.46	13.4	18.38	18.38

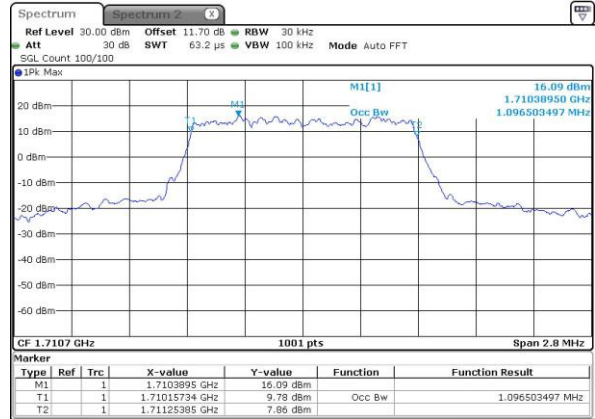


LTE Band 4

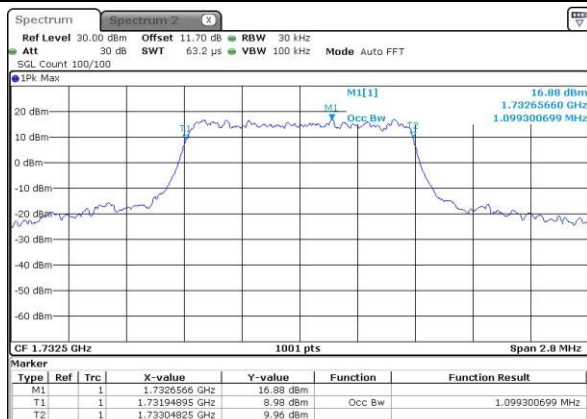
Lowest Channel / 1.4MHz / QPSK



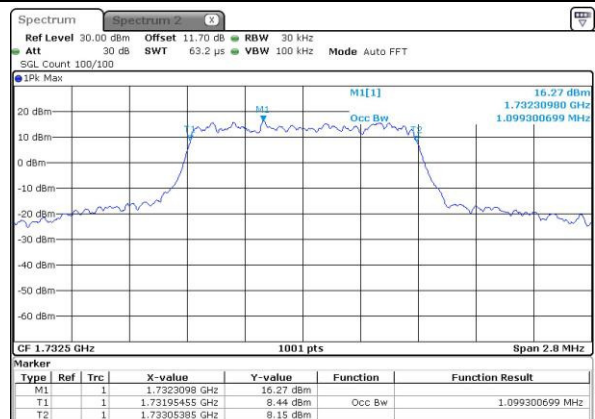
Lowest Channel / 1.4MHz / 16QAM



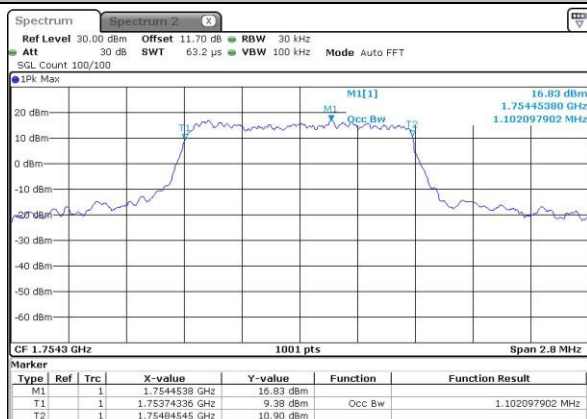
Middle Channel / 1.4MHz / QPSK



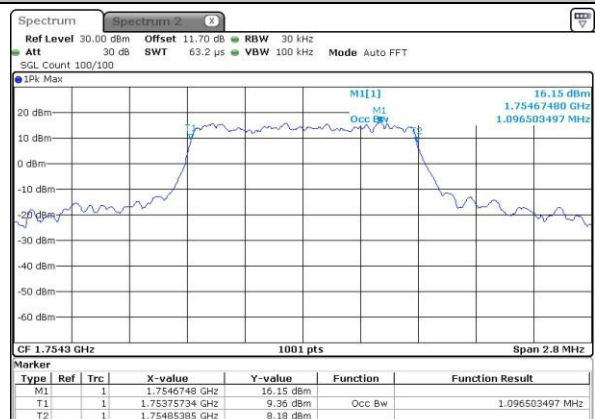
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



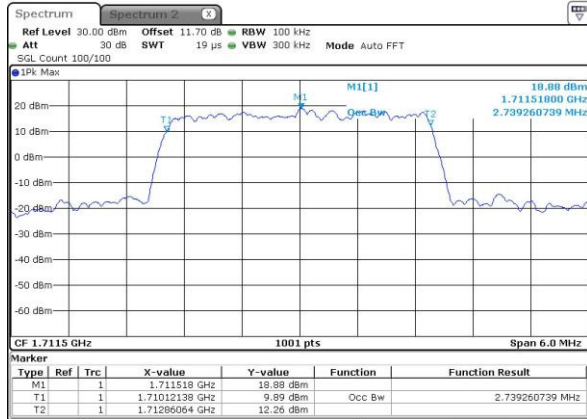
Highest Channel / 1.4MHz / 16QAM





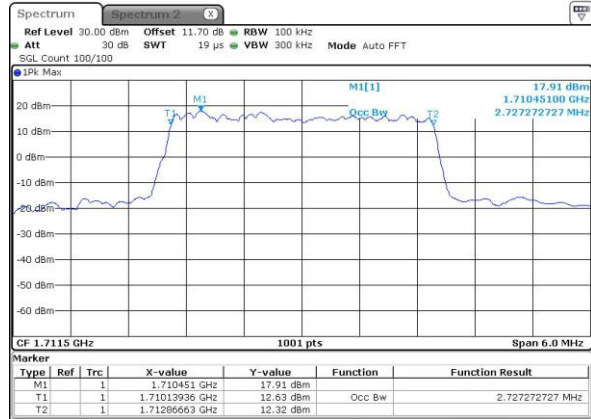
LTE Band 4

Lowest Channel / 3MHz / QPSK



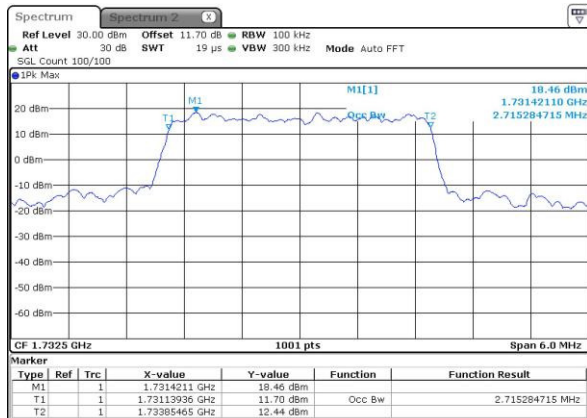
Date: 30.SEP.2016 23:23:10

Lowest Channel / 3MHz / 16QAM



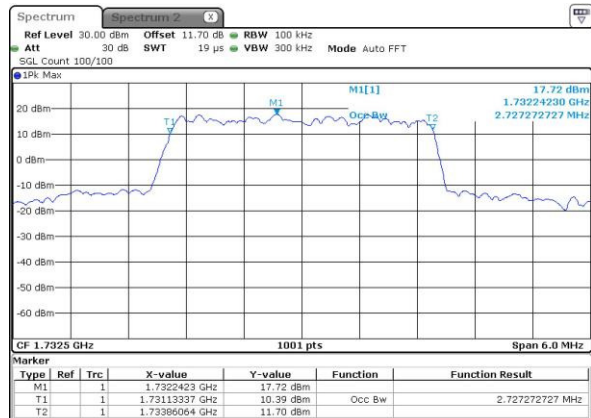
Date: 30.SEP.2016 23:23:42

Middle Channel / 3MHz / QPSK



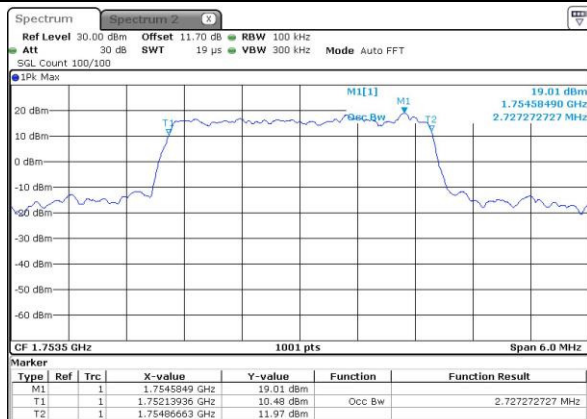
Date: 30.SEP.2016 23:38:48

Middle Channel / 3MHz / 16QAM



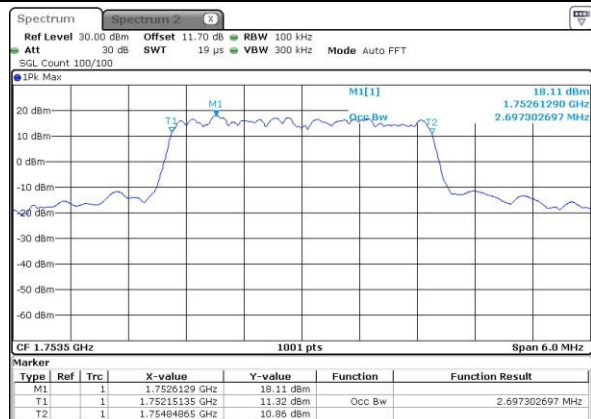
Date: 30.SEP.2016 23:33:00

Highest Channel / 3MHz / QPSK



Date: 30.SEP.2016 23:33:28

Highest Channel / 3MHz / 16QAM

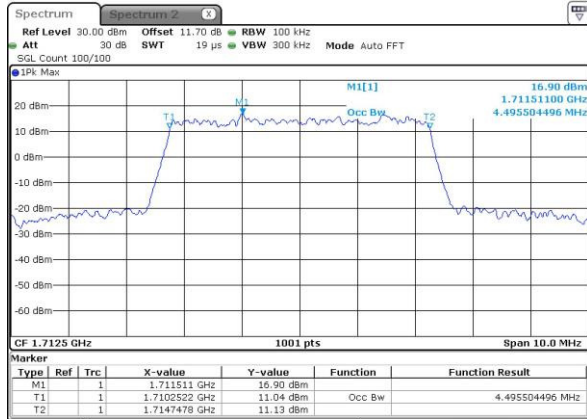


Date: 30.SEP.2016 23:33:40



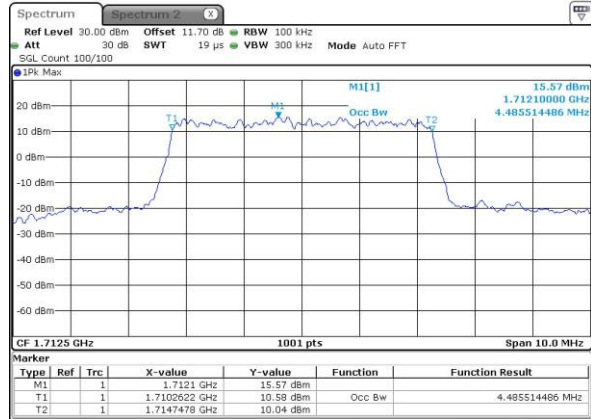
LTE Band 4

Lowest Channel / 5MHz / QPSK



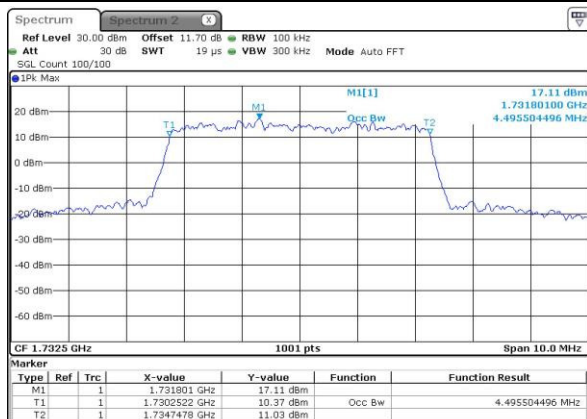
Date: 30.SEP.2016 23:40:46

Lowest Channel / 5MHz / 16QAM



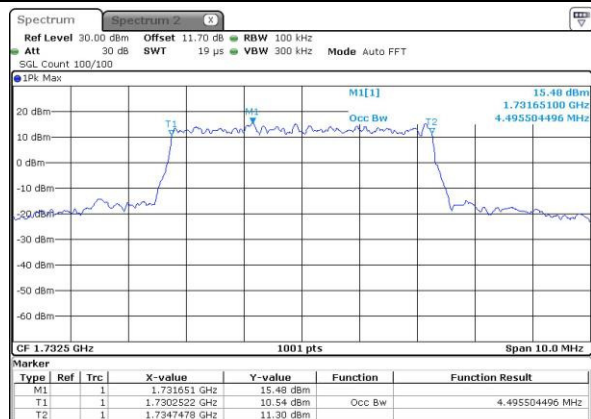
Date: 30.SEP.2016 23:40:58

Middle Channel / 5MHz / QPSK



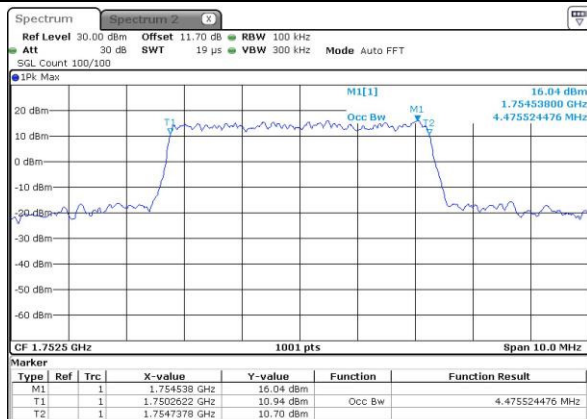
Date: 30.SEP.2016 23:48:04

Middle Channel / 5MHz / 16QAM



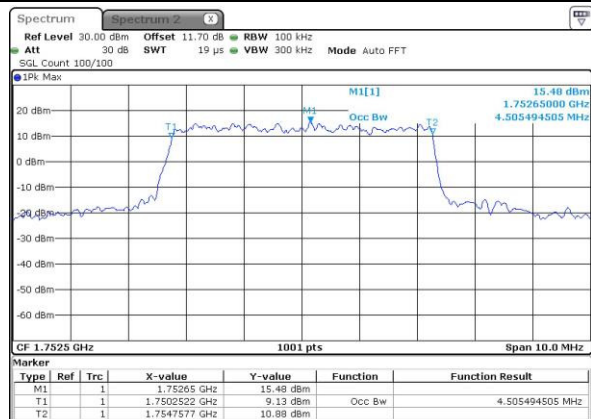
Date: 30.SEP.2016 23:48:16

Highest Channel / 5MHz / QPSK



Date: 30.SEP.2016 23:50:44

Highest Channel / 5MHz / 16QAM

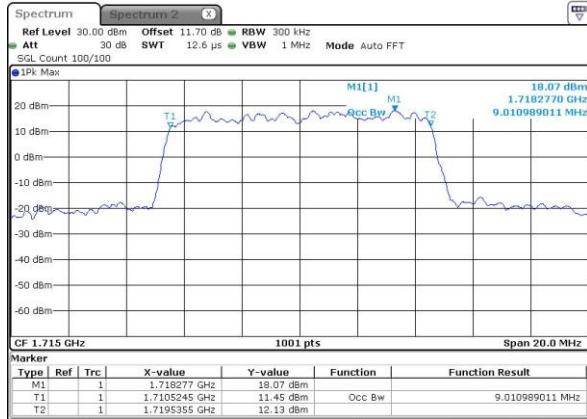


Date: 30.SEP.2016 23:50:56



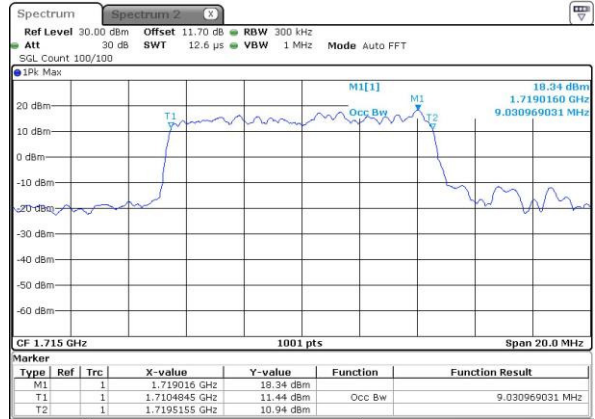
LTE Band 4

Lowest Channel / 10MHz / QPSK



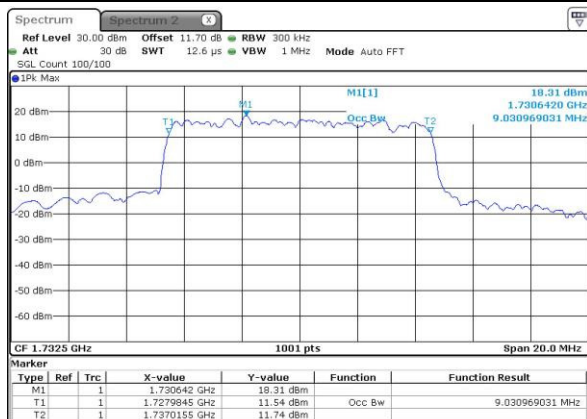
Date: 30.SEP.2016 23:58:03

Lowest Channel / 10MHz / 16QAM



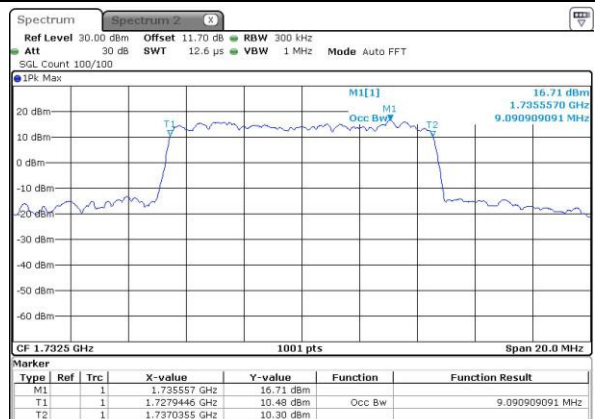
Date: 30.SEP.2016 23:58:14

Middle Channel / 10MHz / QPSK



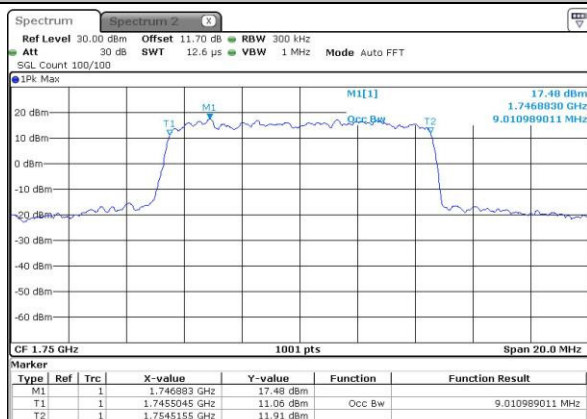
Date: 1.OCT.2016 00:05:20

Middle Channel / 10MHz / 16QAM



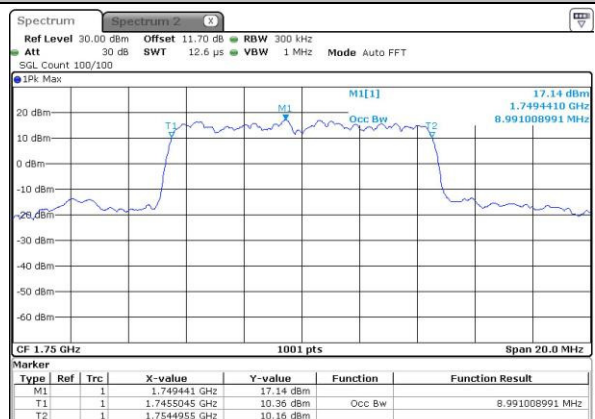
Date: 1.OCT.2016 00:05:32

Highest Channel / 10MHz / QPSK



Date: 1.OCT.2016 00:08:01

Highest Channel / 10MHz / 16QAM

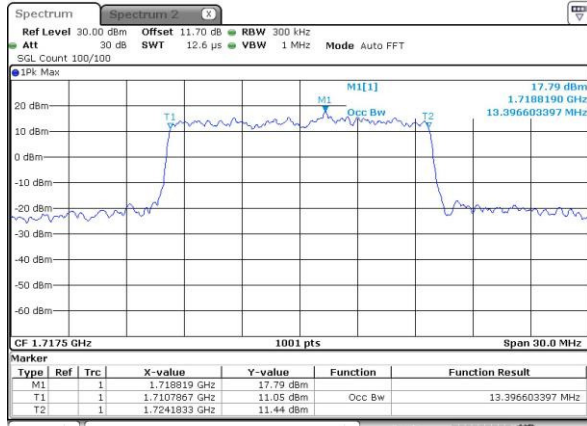


Date: 1.OCT.2016 00:08:12



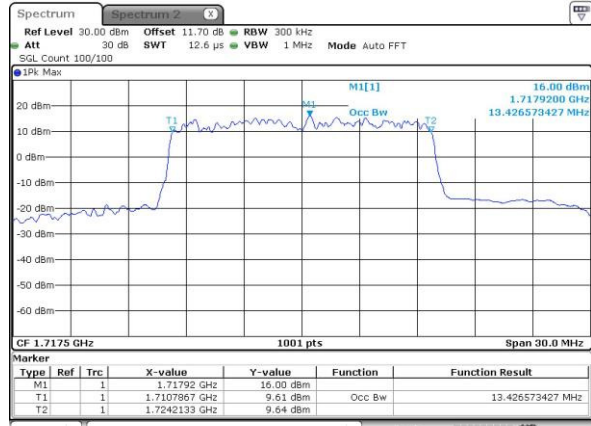
LTE Band 4

Lowest Channel / 15MHz / QPSK



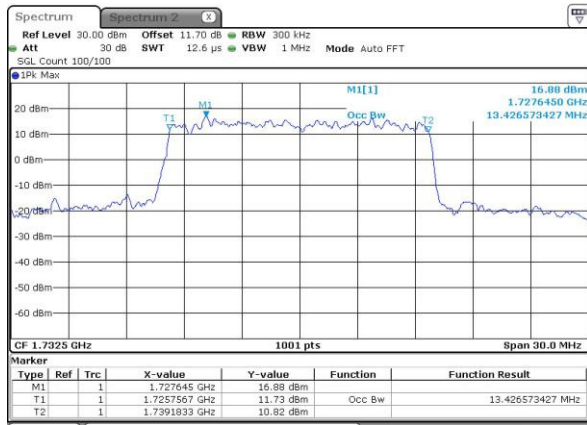
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Lowest Channel / 15MHz / 16QAM



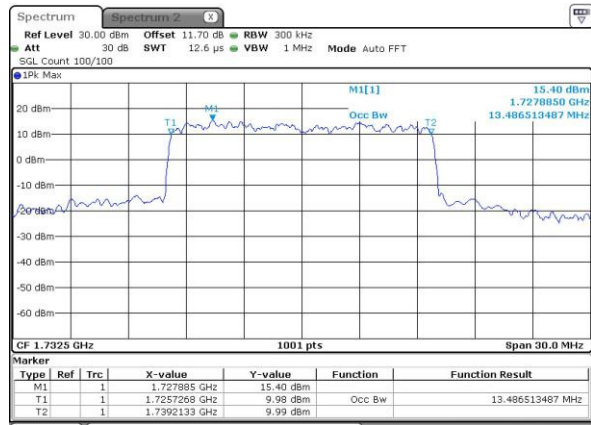
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Middle Channel / 15MHz / QPSK



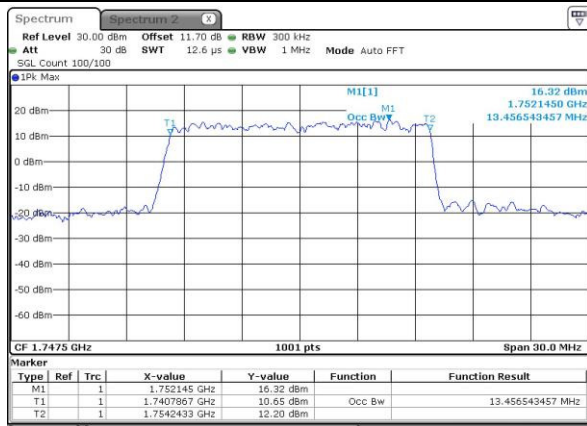
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Middle Channel / 15MHz / 16QAM



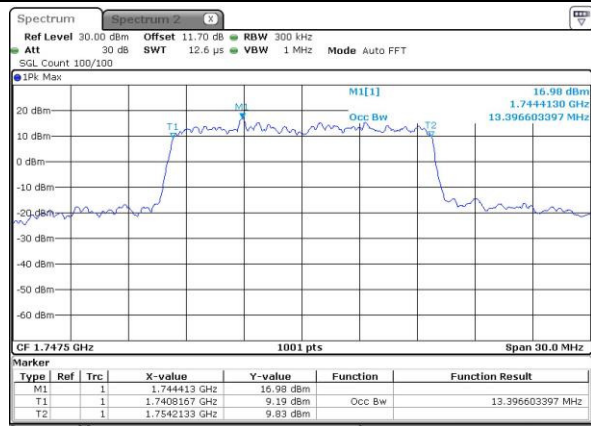
Date: 1.OCT.2016 00:25:28

Highest Channel / 15MHz / QPSK



Date: 1.OCT.2016 00:27:56

Highest Channel / 15MHz / 16QAM

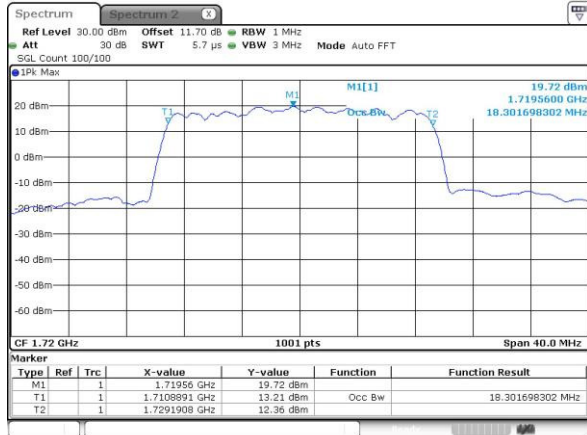


Date: 1.OCT.2016 00:28:08

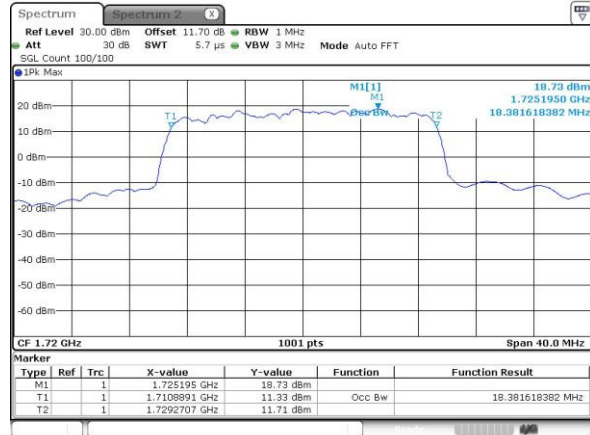


LTE Band 4

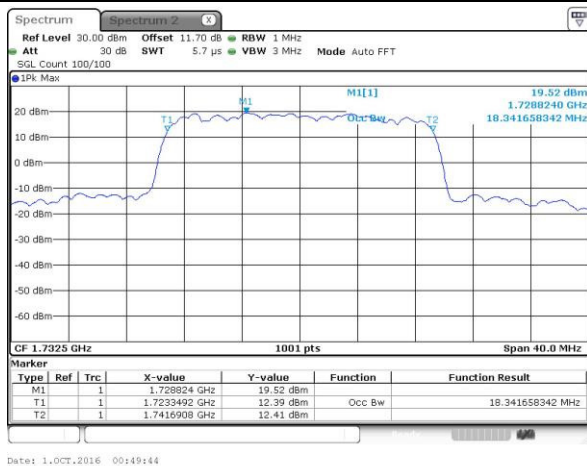
Lowest Channel / 20MHz / QPSK



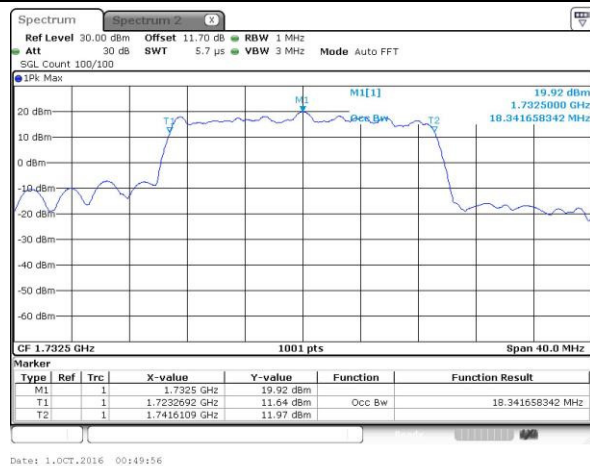
Lowest Channel / 20MHz / 16QAM



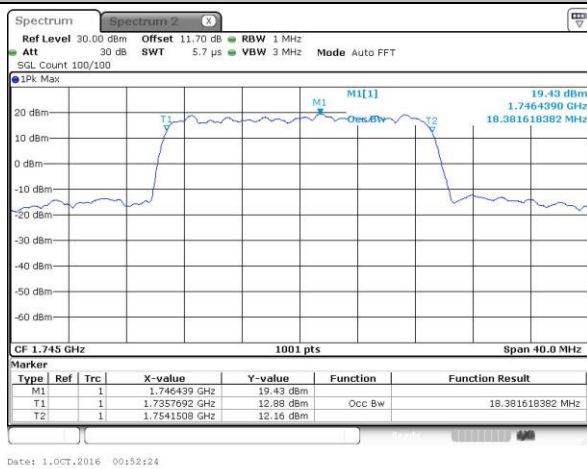
Middle Channel / 20MHz / QPSK



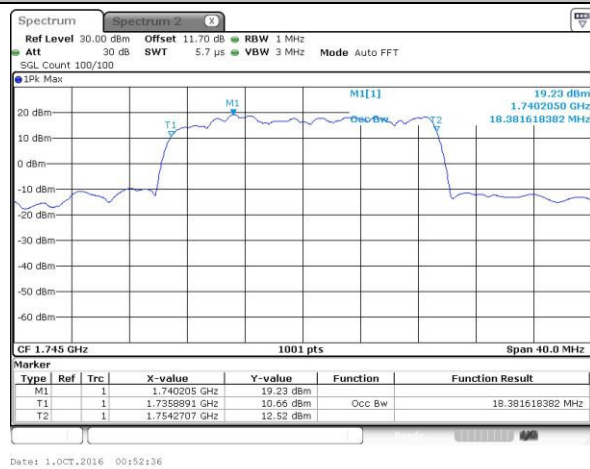
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



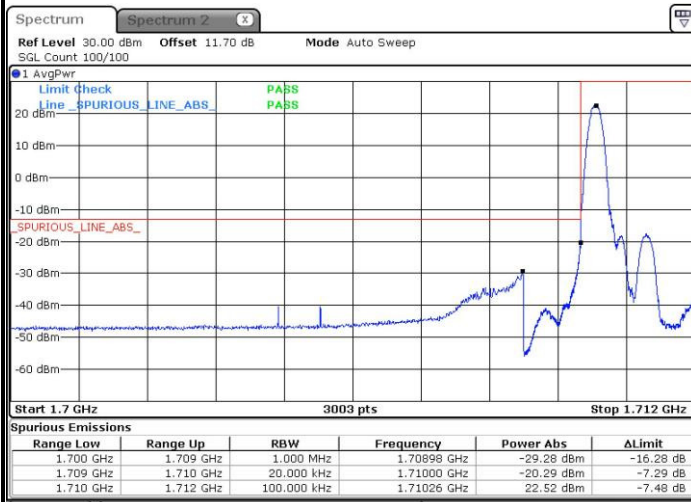


Conducted Band Edge



LTE Band 4 / 1.4MHz / QPSK

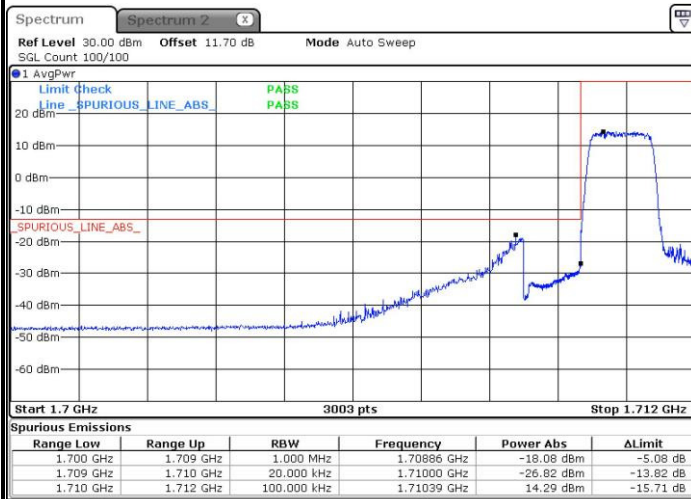
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



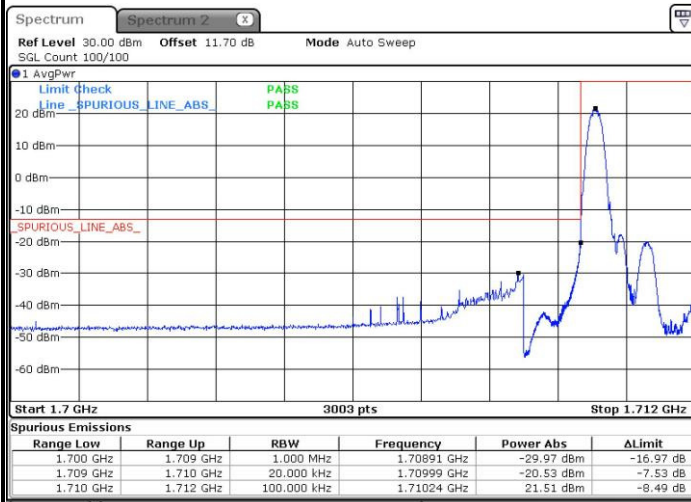
Highest Band Edge / Full RB



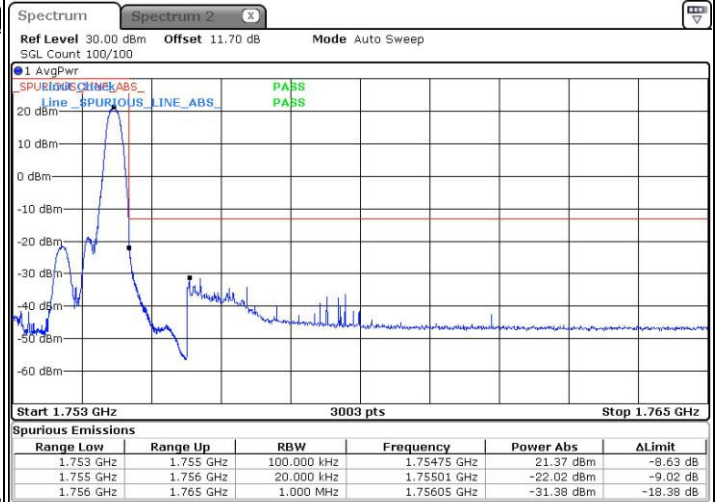


LTE Band 4 / 1.4MHz / 16QAM

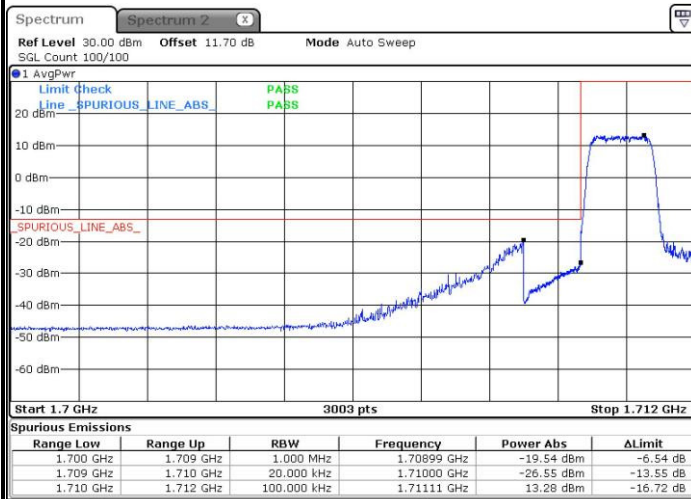
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



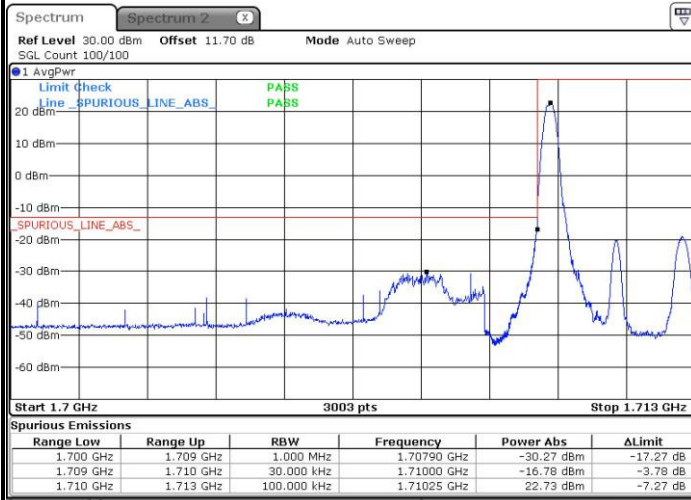
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

