



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	4.14	4.78	4.81	5.74	PASS
Middle CH	4.61	4.55	5.19	5.68	
Highest CH	3.94	4.52	5.1	5.51	

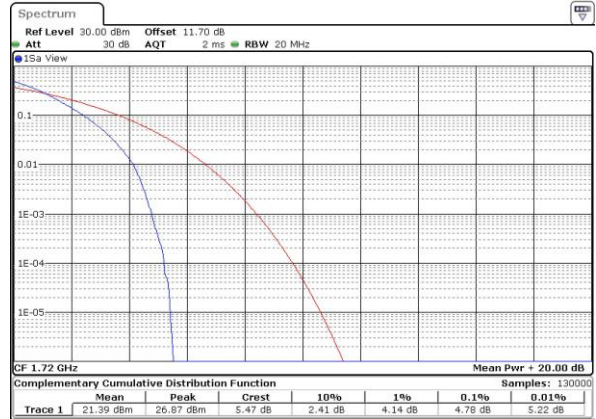


LTE Band 4 / 20MHz / QPSK

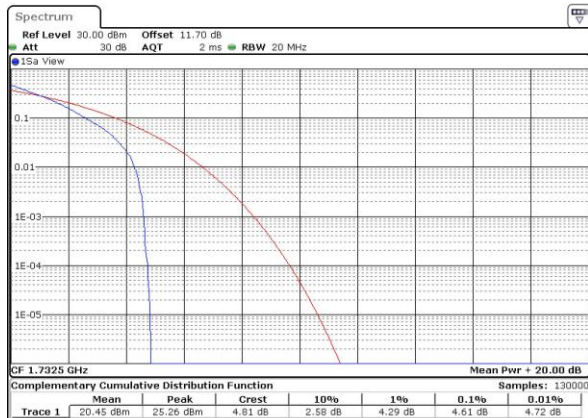
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



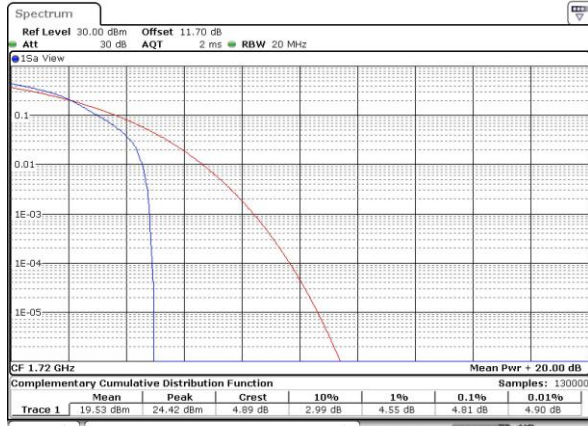
Highest Channel / Full RB



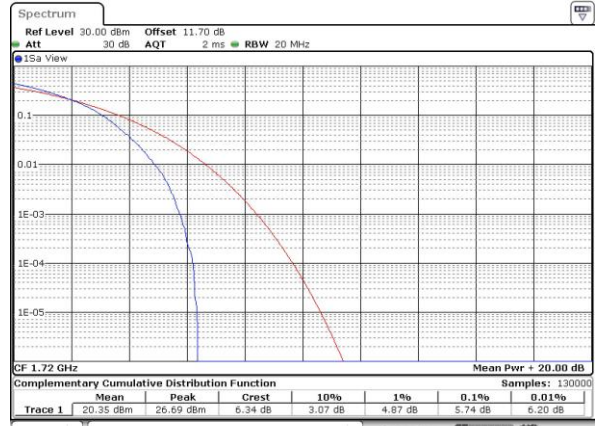


LTE Band 4 / 20MHz / 16QAM

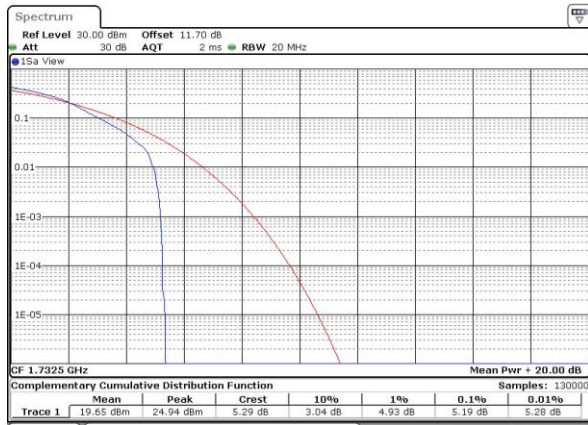
Lowest Channel / 1RB



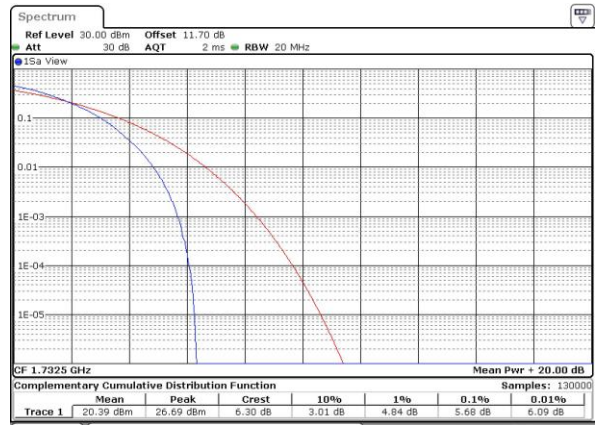
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





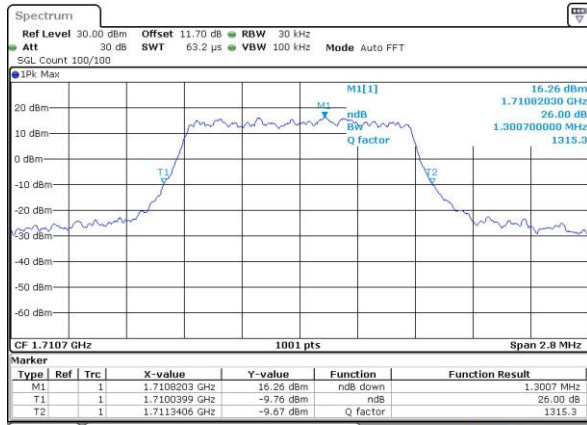
26dB Bandwidth

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	1.30	1.29	2.97	2.97	4.90	4.84	9.85	9.91	14.24	14.48	20.26	20.30
Middle CH	1.28	1.29	3.01	2.99	4.87	4.91	9.89	9.85	14.48	14.24	20.14	20.26
Highest CH	1.26	1.26	3.04	3.00	4.81	4.86	9.85	9.73	14.18	14.48	20.34	20.30



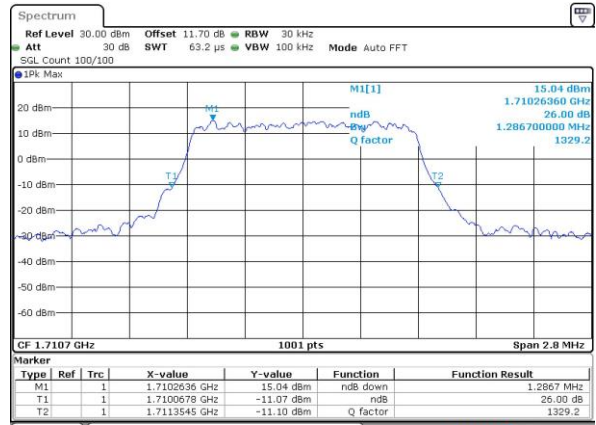
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



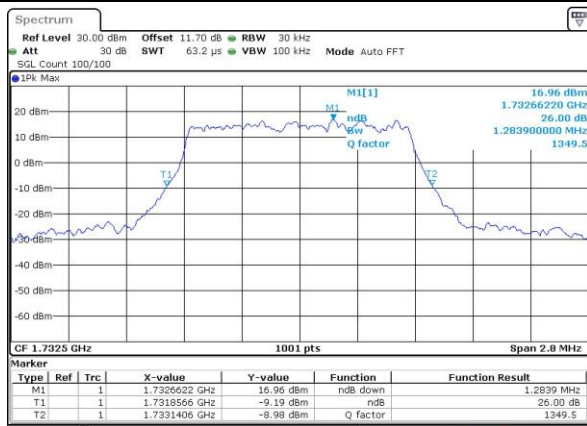
Date: 30.OCT.2016 17:08:07

Lowest Channel / 1.4MHz / 16QAM



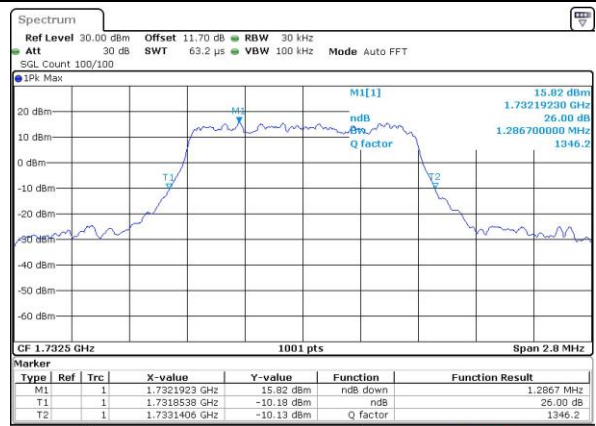
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Middle Channel / 1.4MHz / QPSK



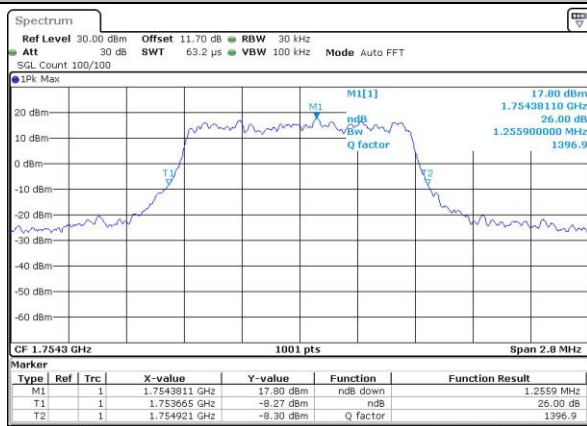
Date: 30.OCT.2016 17:15:09

Middle Channel / 1.4MHz / 16QAM



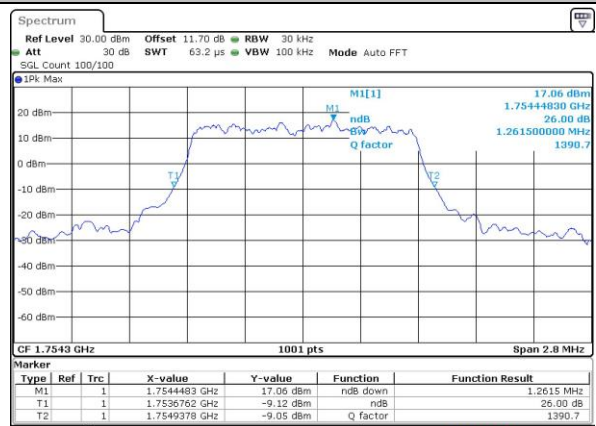
Date: 30.OCT.2016 17:15:19

Highest Channel / 1.4MHz / QPSK



Date: 30.OCT.2016 17:17:37

Highest Channel / 1.4MHz / 16QAM

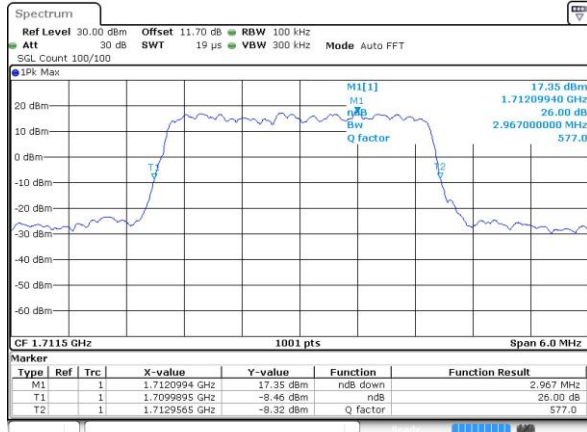


Date: 30.OCT.2016 17:17:47



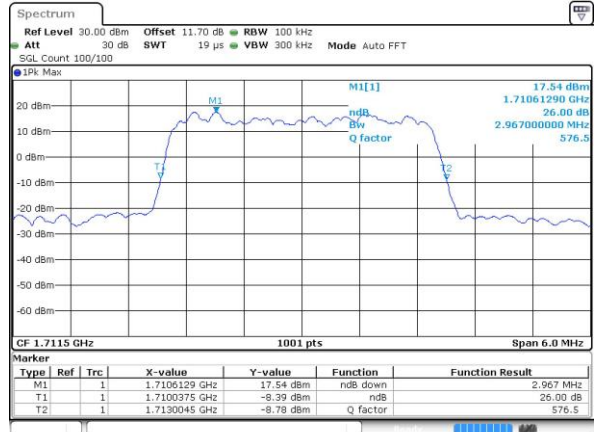
LTE Band 4

Lowest Channel / 3MHz / QPSK



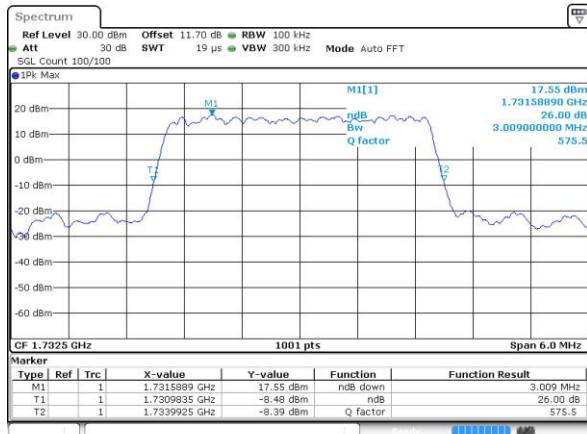
Date: 30.OCT.2016 15:09:14

Lowest Channel / 3MHz / 16QAM



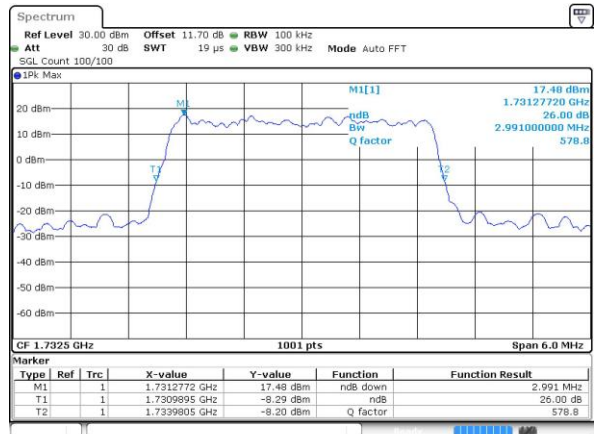
Date: 30.OCT.2016 15:09:24

Middle Channel / 3MHz / QPSK



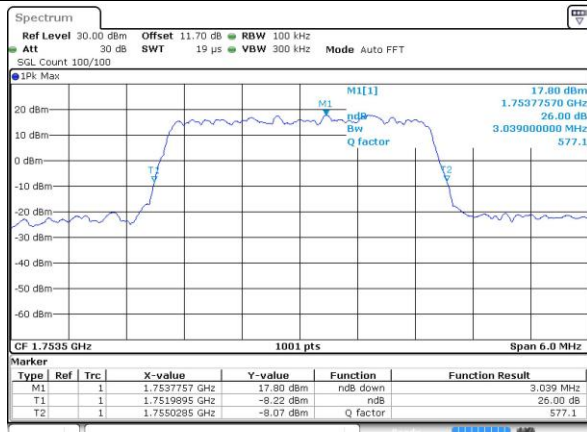
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Middle Channel / 3MHz / 16QAM



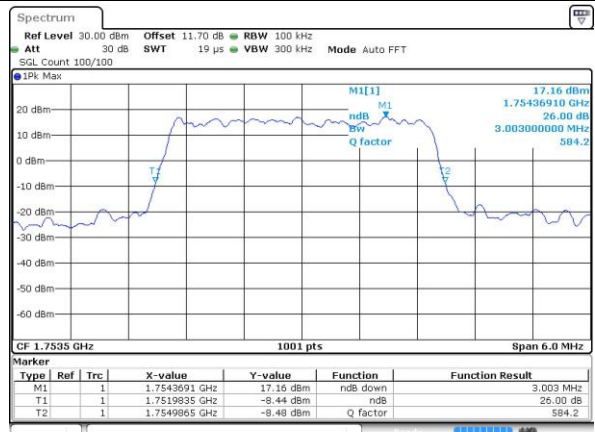
Date: 30.OCT.2016 15:16:25

Highest Channel / 3MHz / QPSK



Date: 30.OCT.2016 15:18:43

Highest Channel / 3MHz / 16QAM

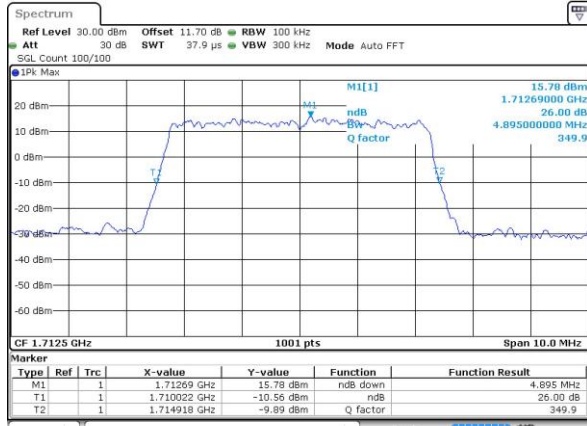


Date: 30.OCT.2016 15:18:53



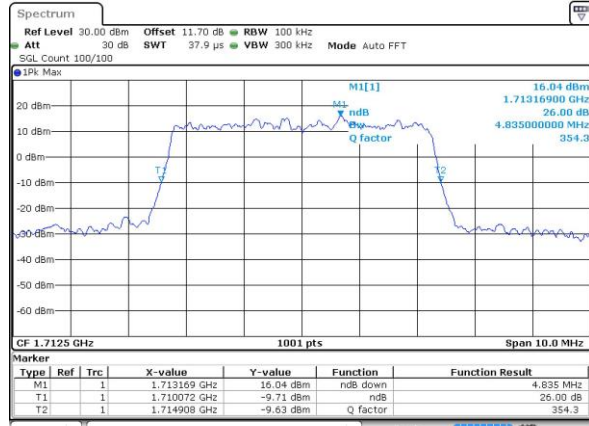
LTE Band 4

Lowest Channel / 5MHz / QPSK



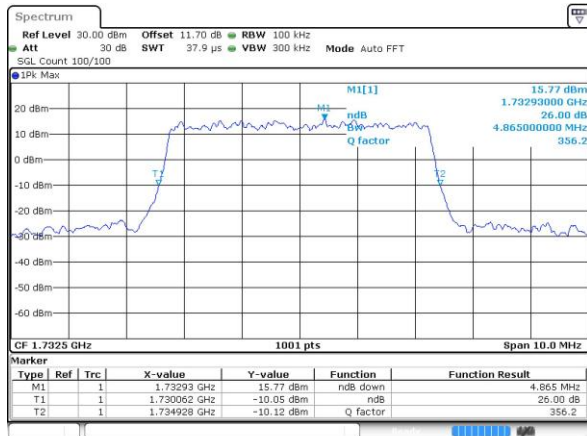
Date: 30.OCT.2016 15:25:44

Lowest Channel / 5MHz / 16QAM



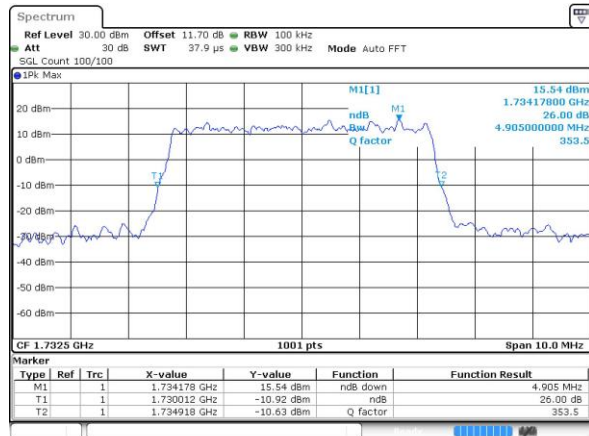
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Middle Channel / 5MHz / QPSK



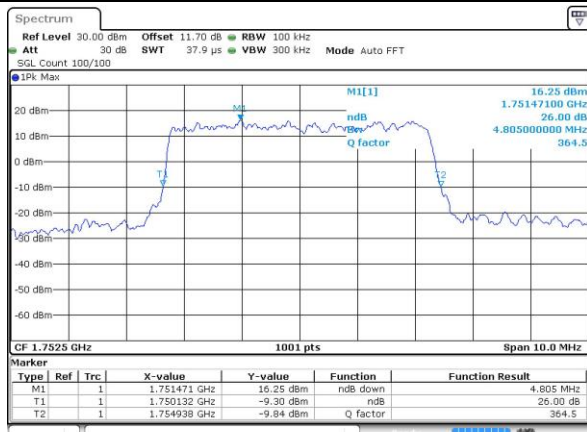
Date: 30.OCT.2016 15:32:45

Middle Channel / 5MHz / 16QAM



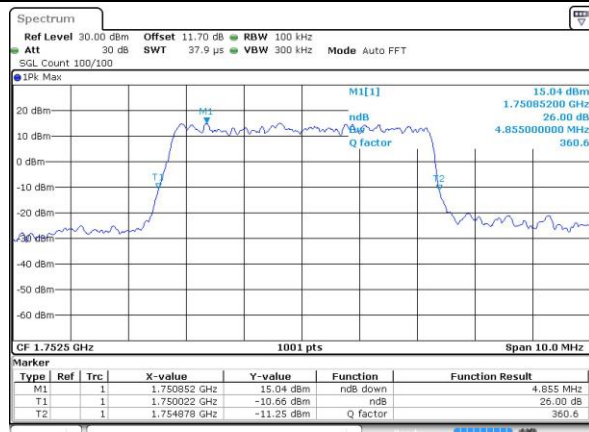
Date: 30.OCT.2016 15:32:55

Highest Channel / 5MHz / QPSK



Date: 30.OCT.2016 15:35:13

Highest Channel / 5MHz / 16QAM

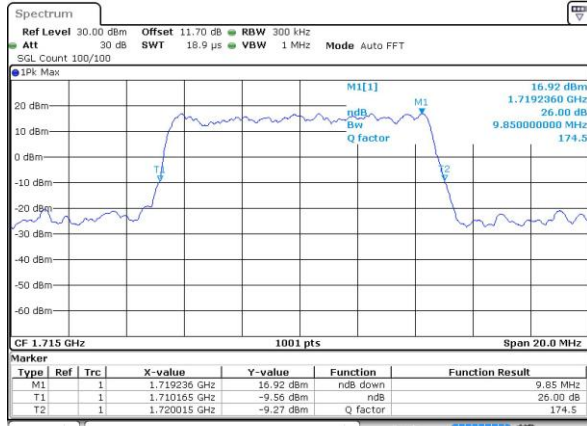


Date: 30.OCT.2016 15:35:23



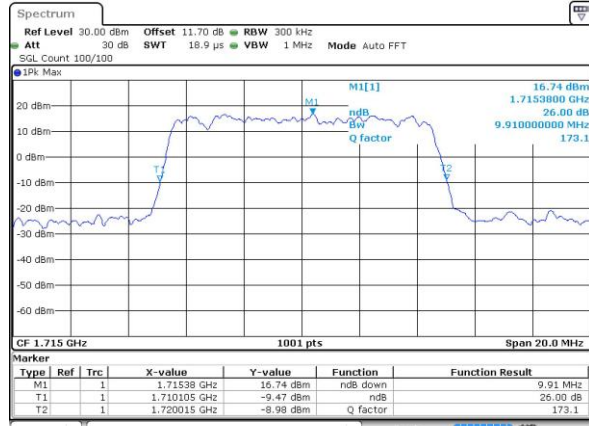
LTE Band 4

Lowest Channel / 10MHz / QPSK



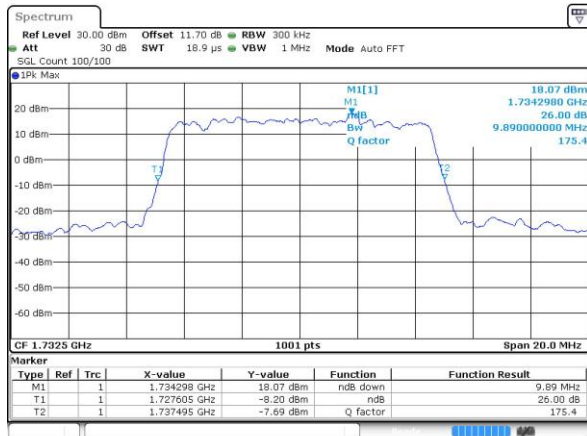
Date: 30.OCT.2016 15:42:14

Lowest Channel / 10MHz / 16QAM



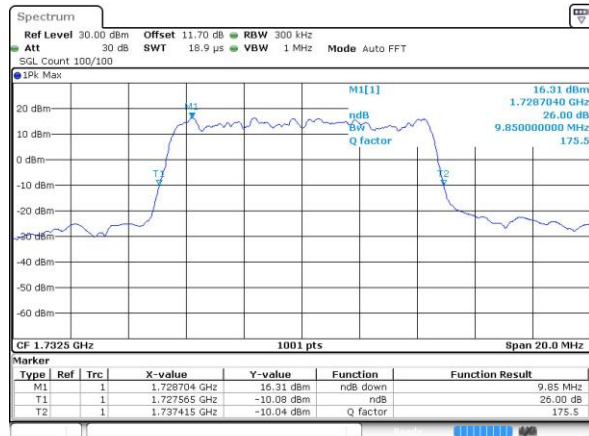
Date: 30.OCT.2016 15:42:24

Middle Channel / 10MHz / QPSK



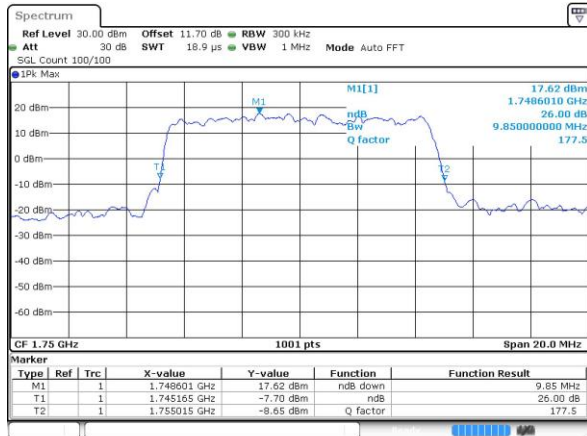
Date: 30.OCT.2016 15:49:15

Middle Channel / 10MHz / 16QAM



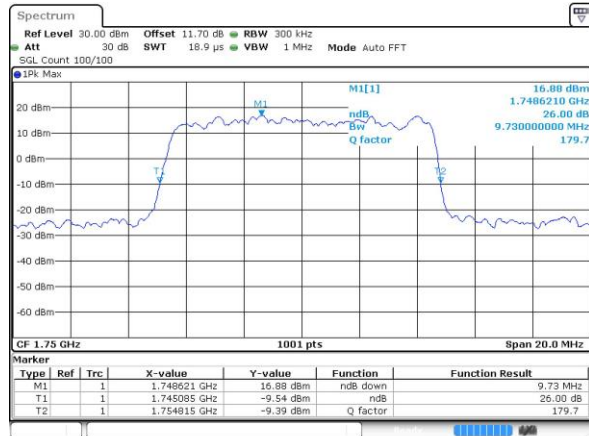
Date: 30.OCT.2016 15:49:25

Highest Channel / 10MHz / QPSK



Date: 30.OCT.2016 15:51:43

Highest Channel / 10MHz / 16QAM

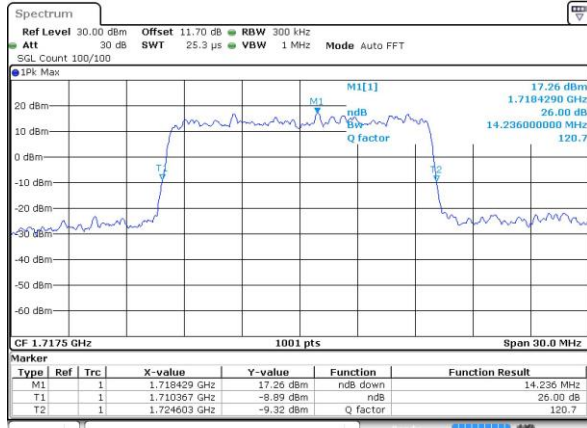


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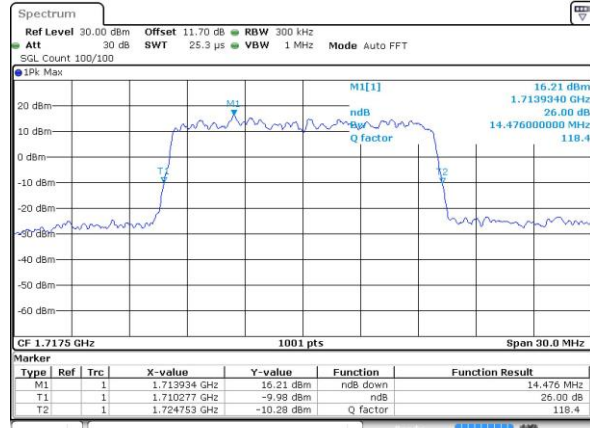
LTE Band 4

Lowest Channel / 15MHz / QPSK



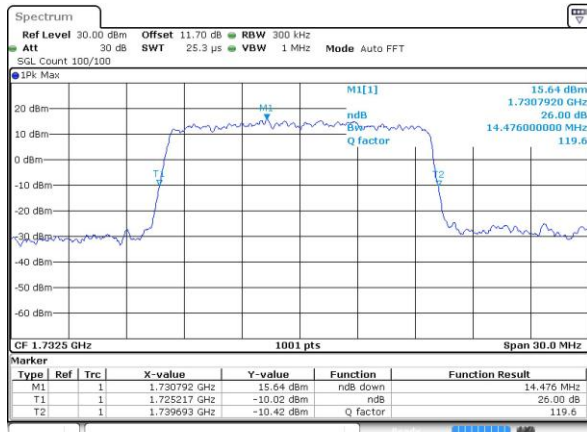
Date: 30 OCT 2016 15:58:44

Lowest Channel / 15MHz / 16QAM



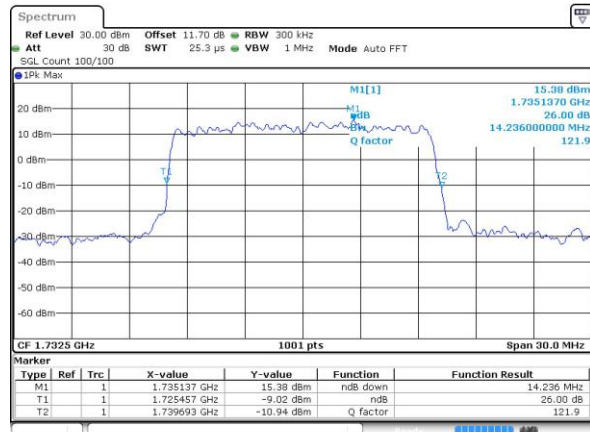
Date: 30 OCT 2016 15:58:54

Middle Channel / 15MHz / QPSK



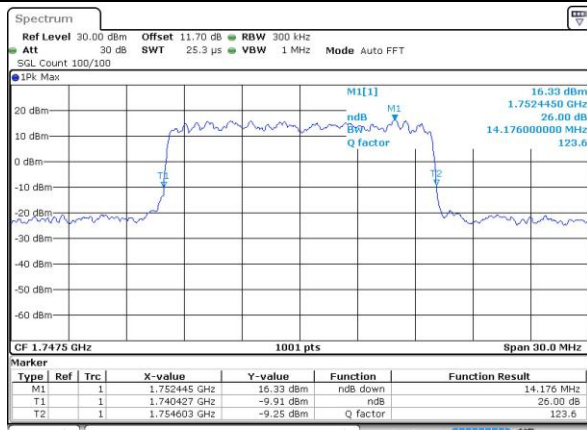
Date: 30 OCT 2016 16:05:45

Middle Channel / 15MHz / 16QAM



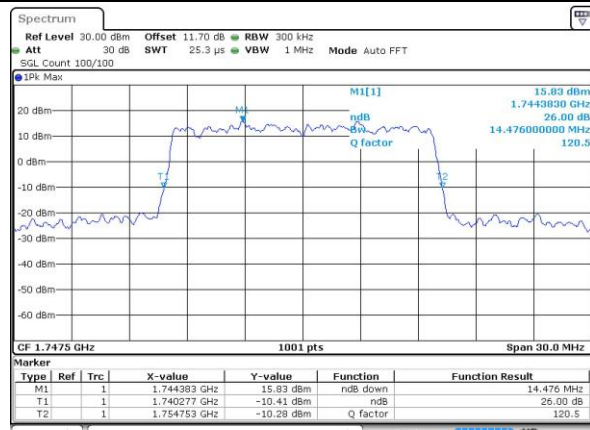
Date: 30 OCT 2016 16:05:55

Highest Channel / 15MHz / QPSK



Date: 30 OCT 2016 16:08:13

Highest Channel / 15MHz / 16QAM

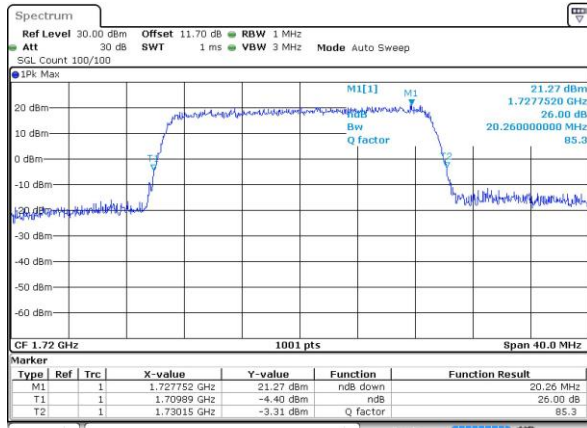


Date: 30 OCT 2016 16:08:23

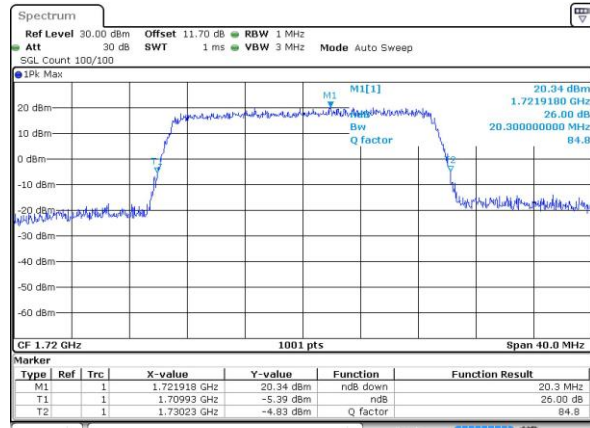


LTE Band 4

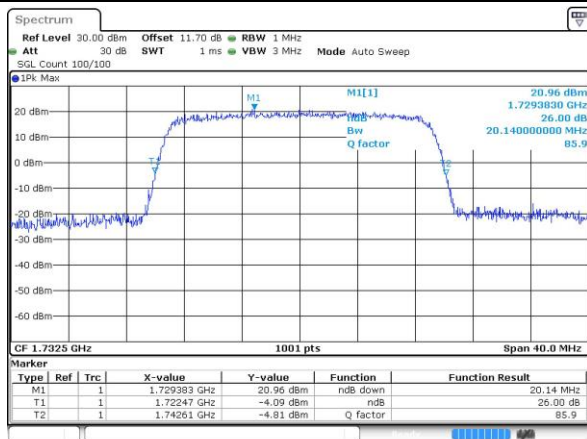
Lowest Channel / 20MHz / QPSK



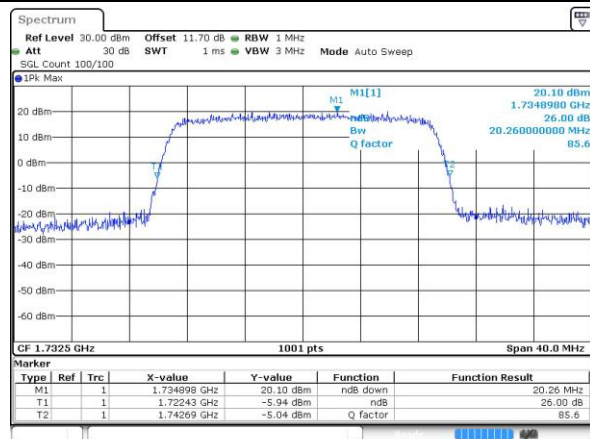
Lowest Channel / 20MHz / 16QAM



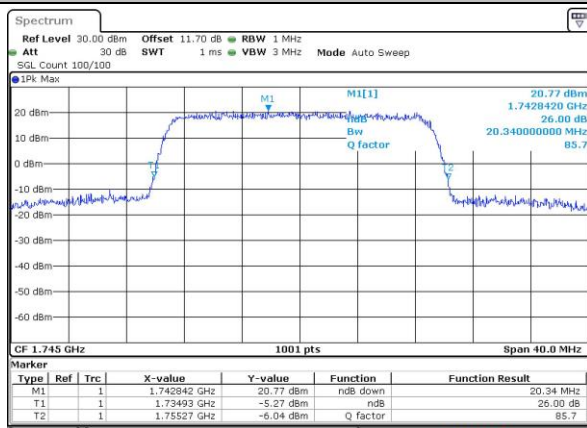
Middle Channel / 20MHz / QPSK



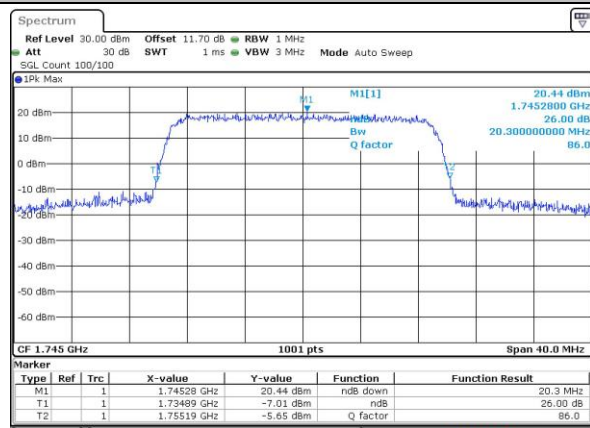
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



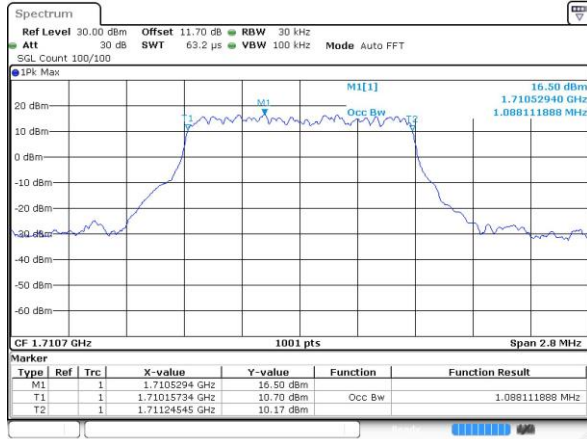
**Occupied Bandwidth**

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	1.08	2.72	2.73	4.49	4.48	9.03	9.01	13.46	13.43	18.34	18.34
Middle CH	1.09	1.09	2.72	2.7	4.48	4.5	8.95	8.97	13.43	13.43	18.18	18.18
Highest CH	1.1	1.09	2.7	2.72	4.47	4.49	9.05	8.99	13.46	13.4	18.38	18.34

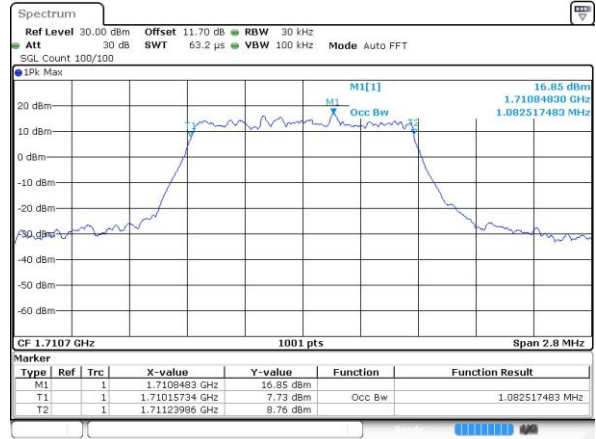


LTE Band 4

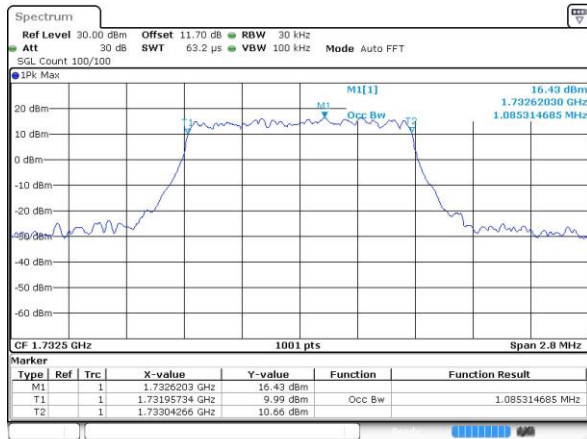
Lowest Channel / 1.4MHz / QPSK



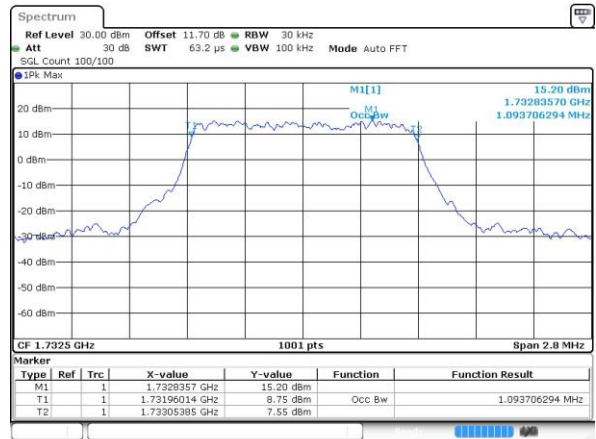
Lowest Channel / 1.4MHz / 16QAM



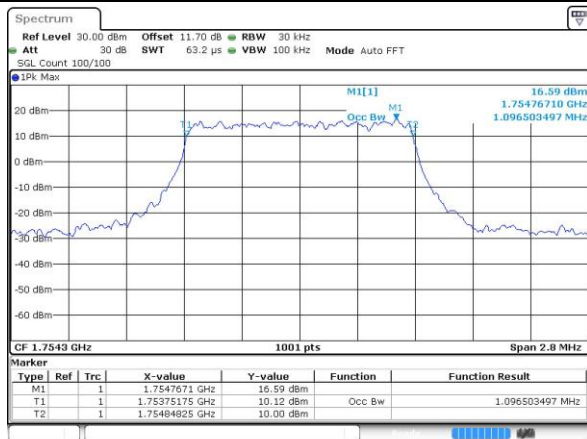
Middle Channel / 1.4MHz / QPSK



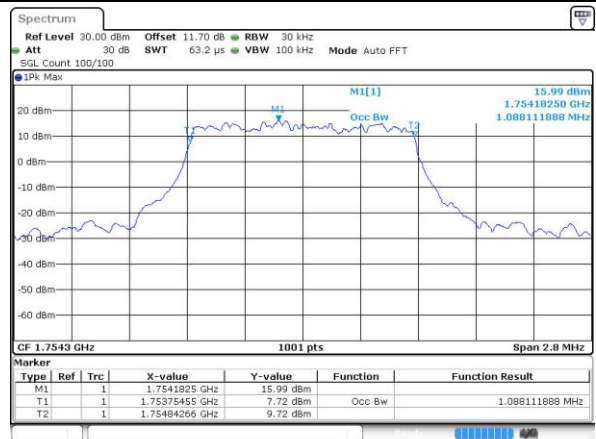
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



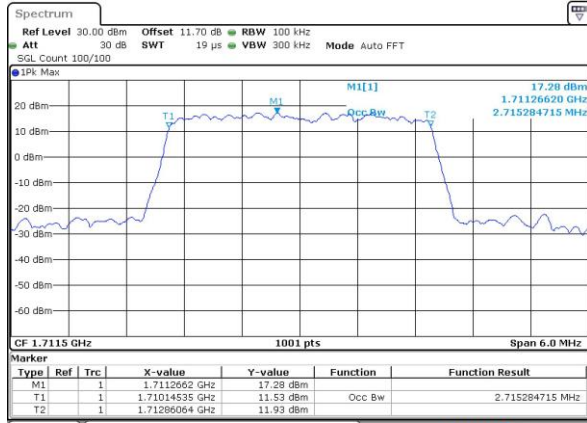
Highest Channel / 1.4MHz / 16QAM



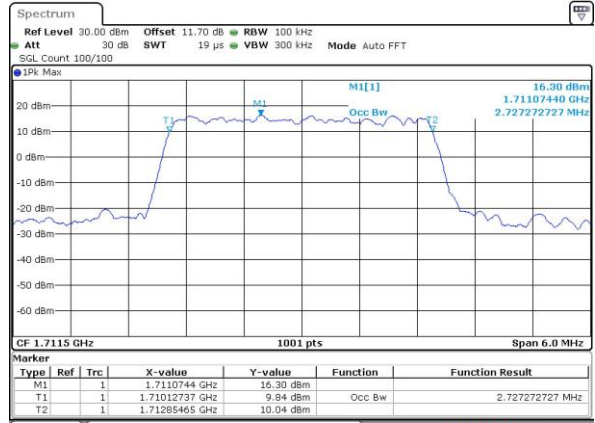


LTE Band 4

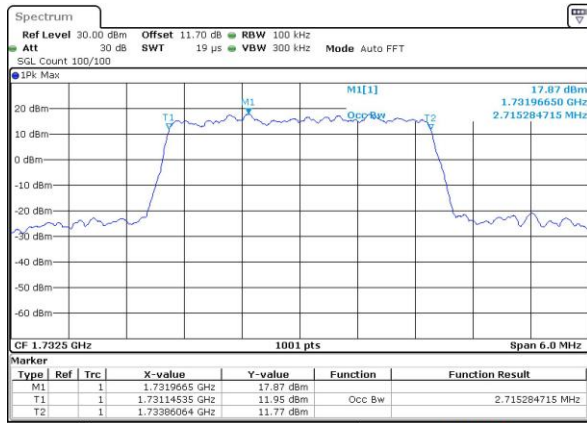
Lowest Channel / 3MHz / QPSK



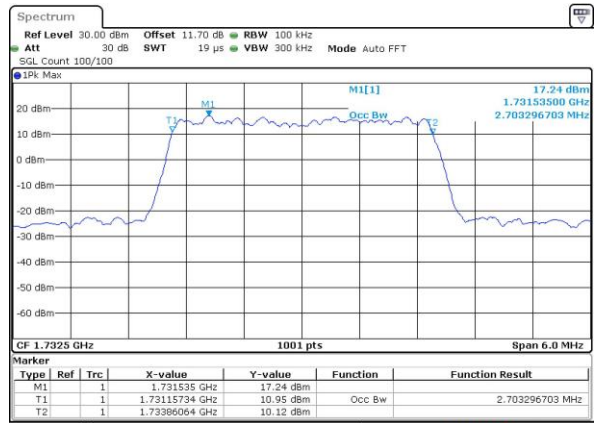
Lowest Channel / 3MHz / 16QAM



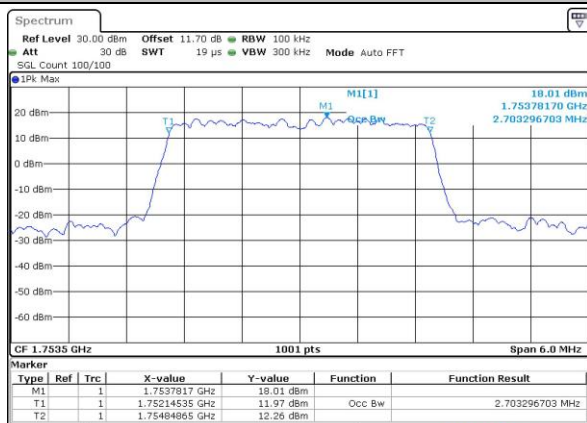
Middle Channel / 3MHz / QPSK



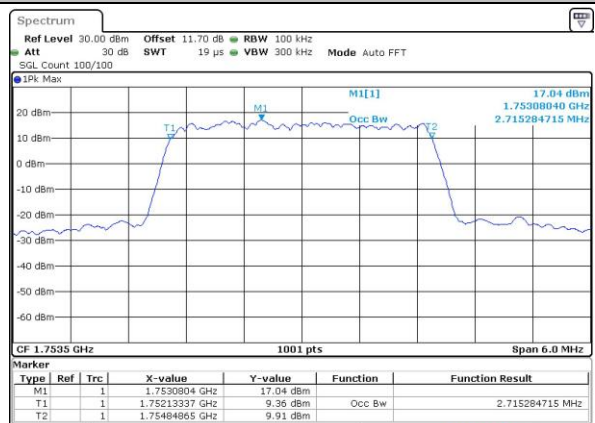
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



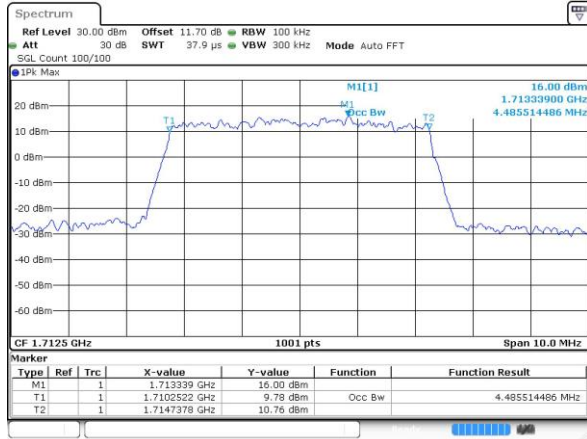
Highest Channel / 3MHz / 16QAM



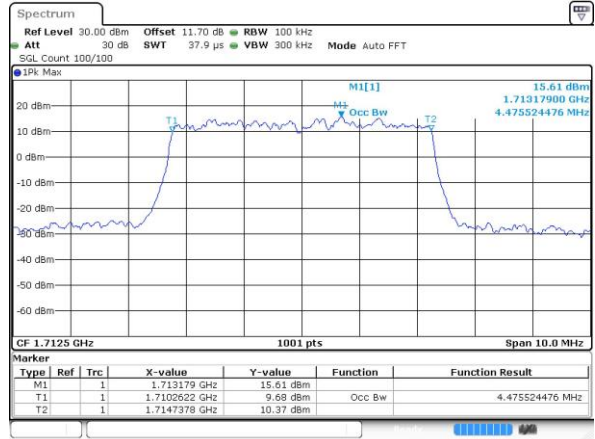


LTE Band 4

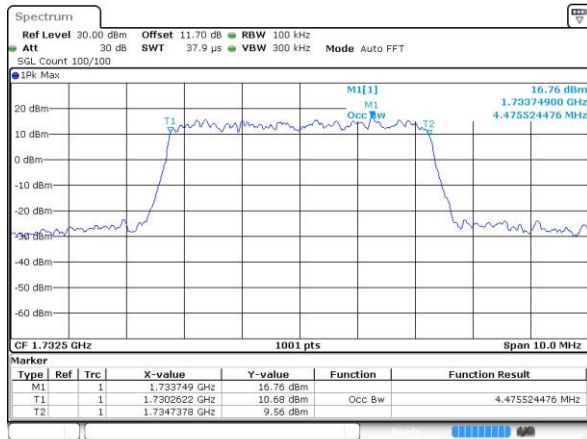
Lowest Channel / 5MHz / QPSK



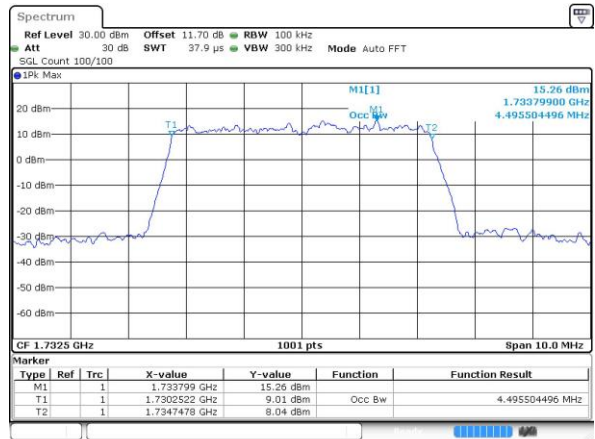
Lowest Channel / 5MHz / 16QAM



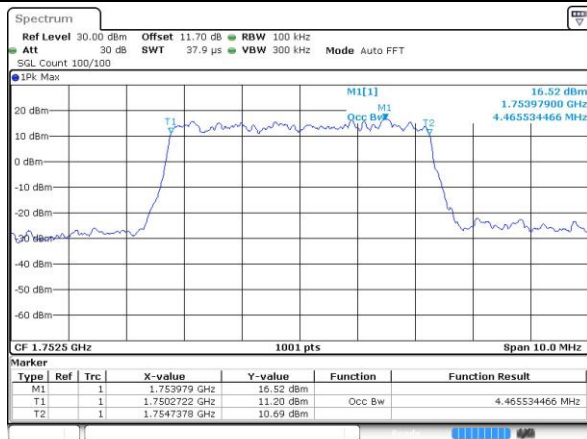
Middle Channel / 5MHz / QPSK



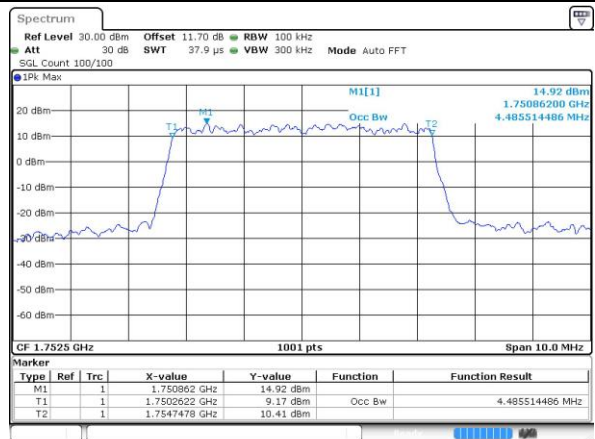
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



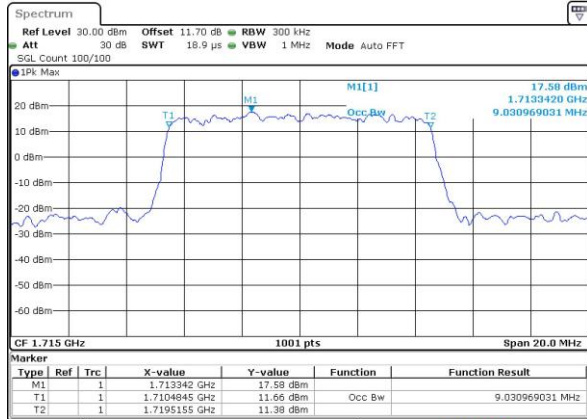
Highest Channel / 5MHz / 16QAM





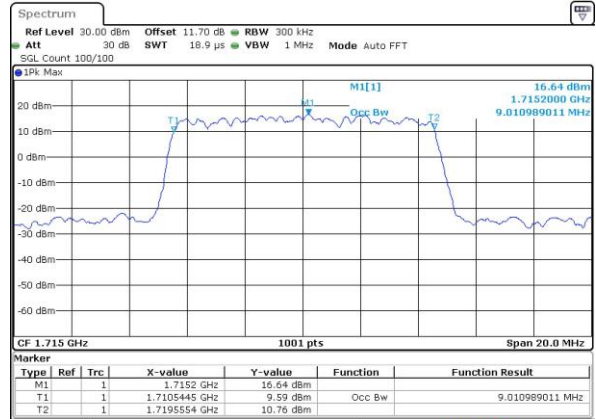
LTE Band 4

Lowest Channel / 10MHz / QPSK



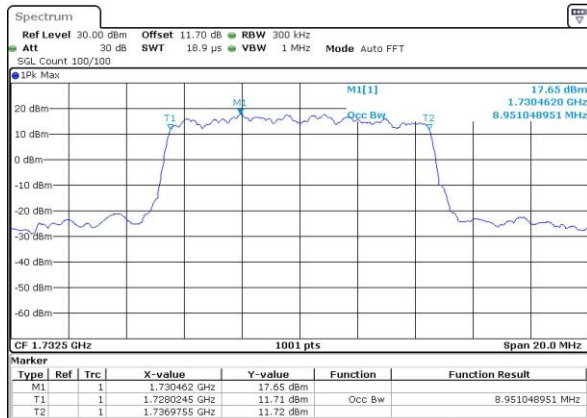
Date: 30.OCT.2016 15:41:54

Lowest Channel / 10MHz / 16QAM



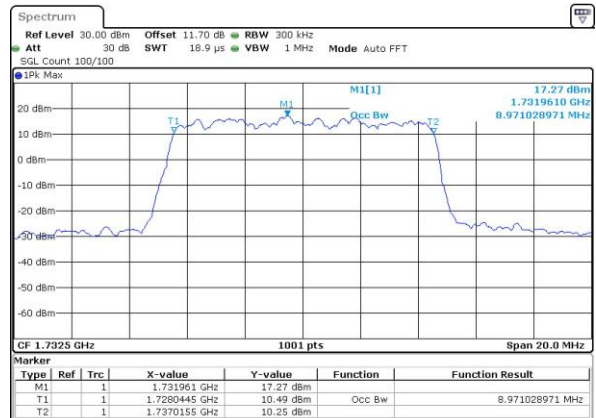
Date: 30.OCT.2016 15:42:04

Middle Channel / 10MHz / QPSK



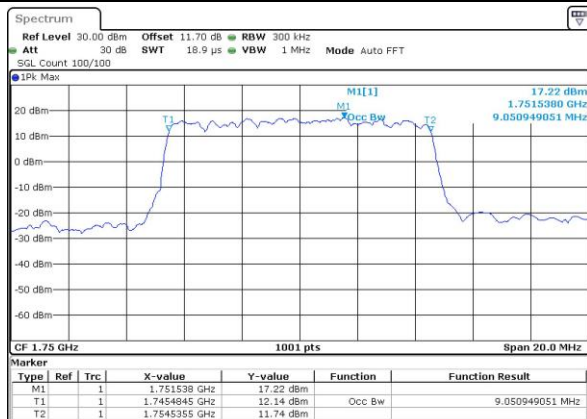
Date: 30.OCT.2016 15:48:55

Middle Channel / 10MHz / 16QAM



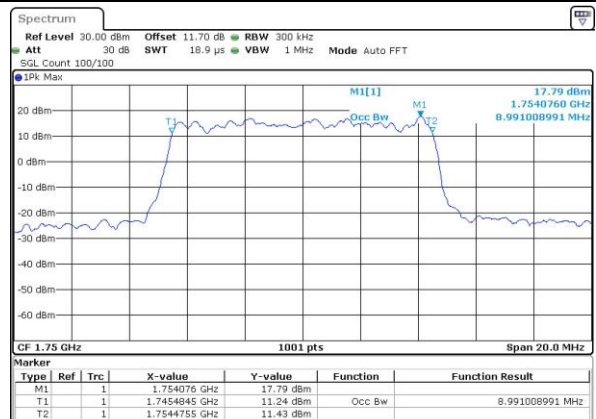
Date: 30.OCT.2016 15:49:05

Highest Channel / 10MHz / QPSK



Date: 30.OCT.2016 15:51:23

Highest Channel / 10MHz / 16QAM

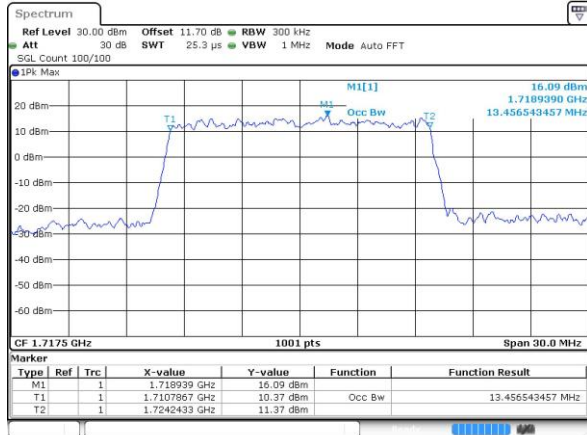


Date: 30.OCT.2016 15:51:33

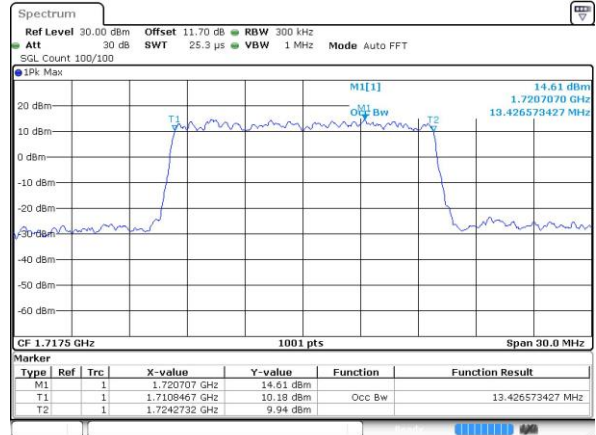


LTE Band 4

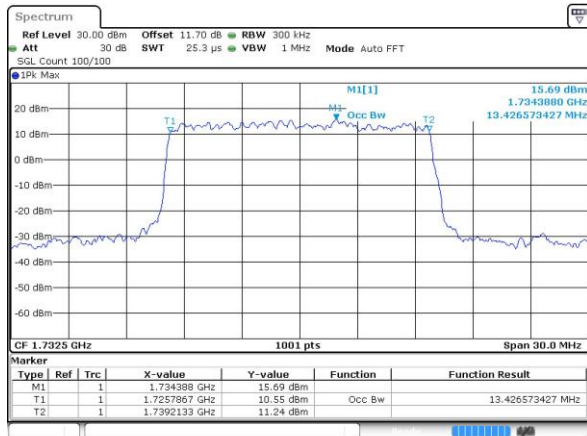
Lowest Channel / 15MHz / QPSK



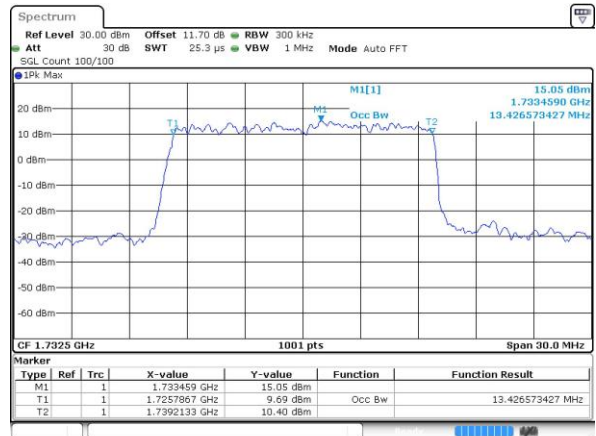
Lowest Channel / 15MHz / 16QAM



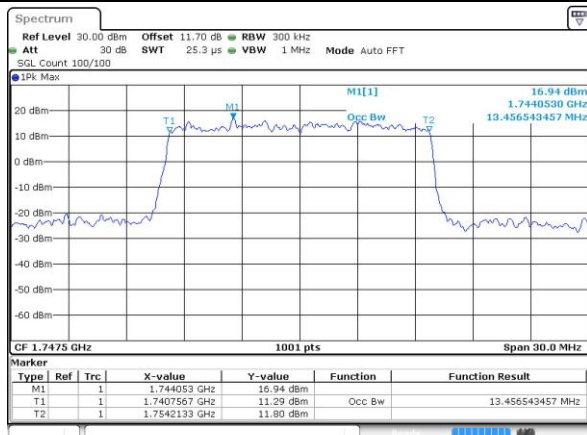
Middle Channel / 15MHz / QPSK



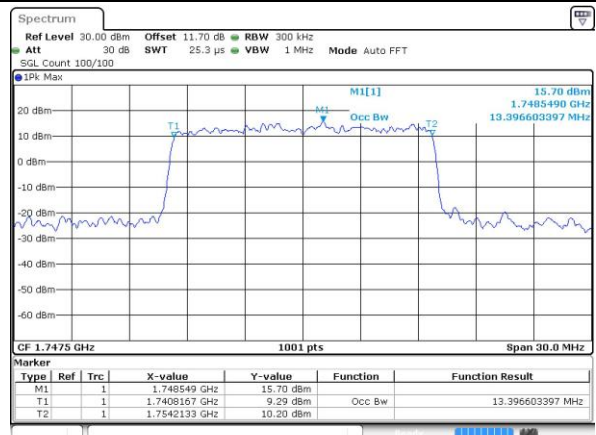
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



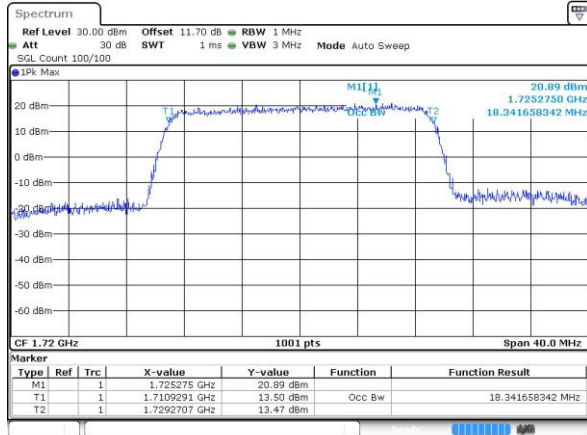
Highest Channel / 15MHz / 16QAM



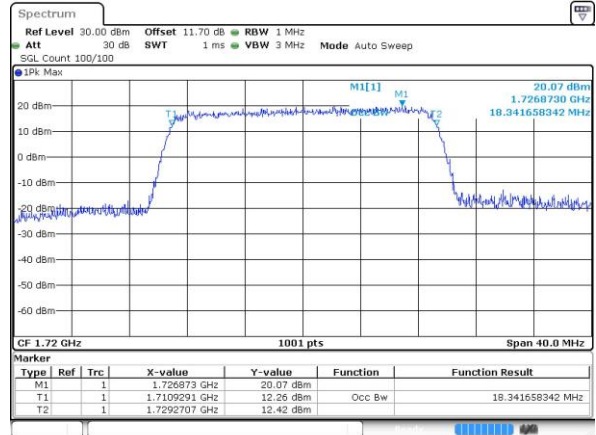


LTE Band 4

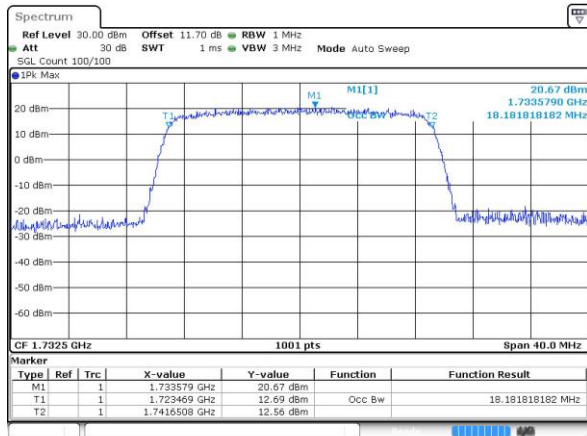
Lowest Channel / 20MHz / QPSK



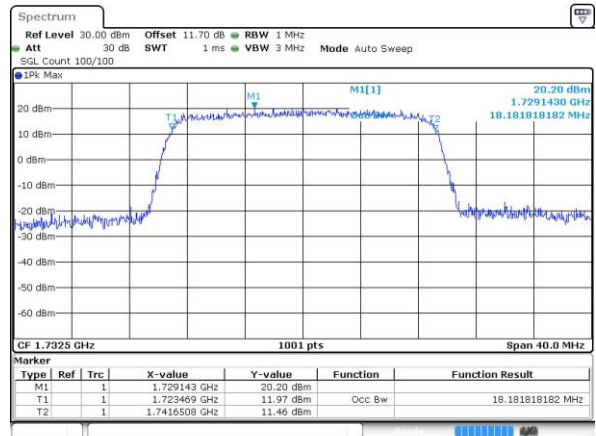
Lowest Channel / 20MHz / 16QAM



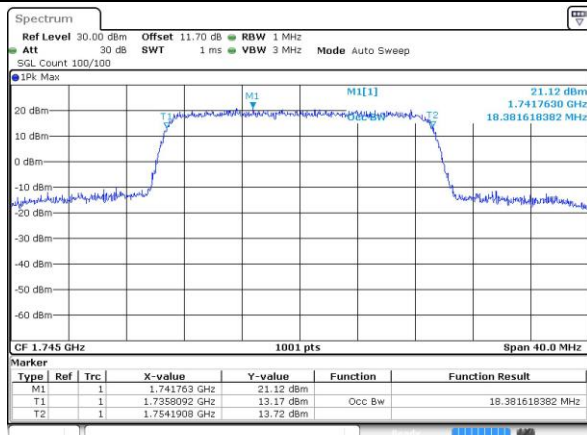
Middle Channel / 20MHz / QPSK



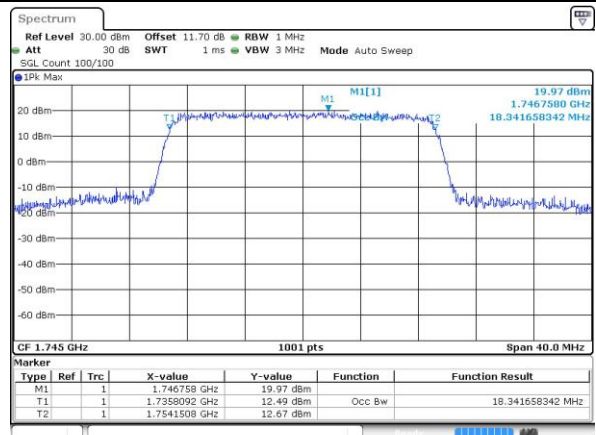
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



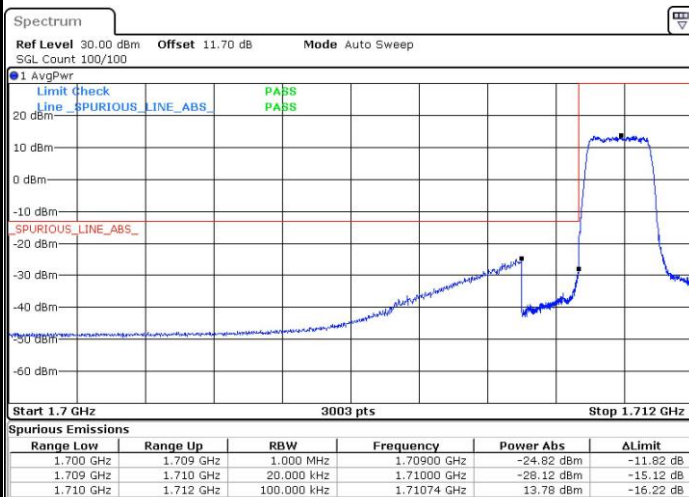
Date: 30.OCT.2016 17:09:26

Highest Band Edge / 1RB



Date: 30.OCT.2016 17:18:55

Lowest Band Edge / Full RB



Date: 30.OCT.2016 17:11:42

Highest Band Edge / Full RB



Date: 30.OCT.2016 17:21:11