



LTE Band 4

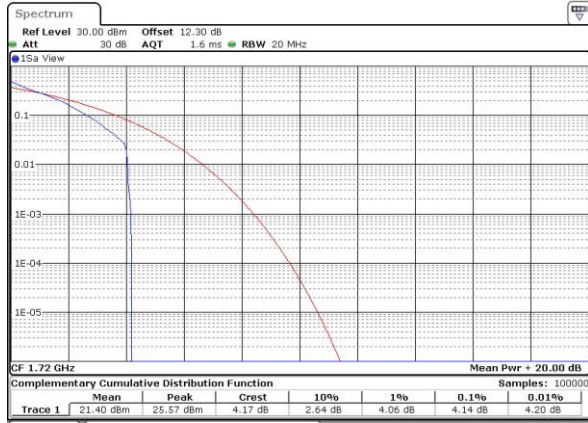
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.14	4.81	4.58	5.68	PASS
Middle CH	4.09	4.87	4.99	5.71	
Highest CH	4.09	4.78	4.46	5.68	



LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



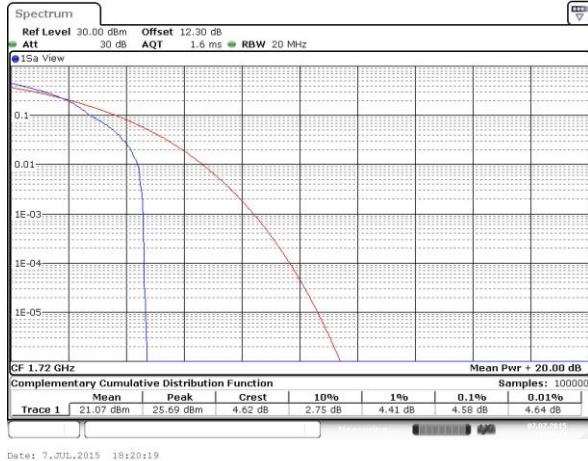
Highest Channel / Full RB



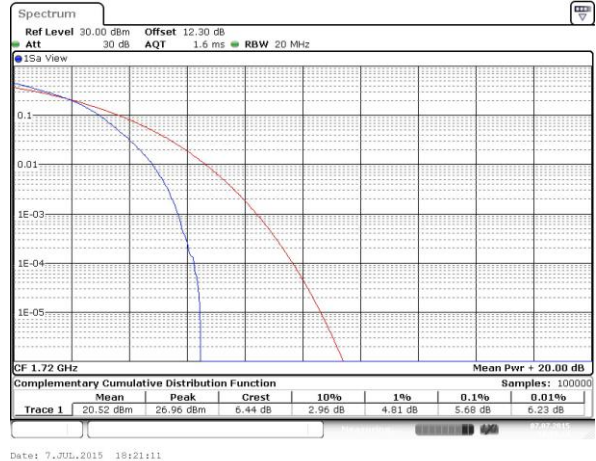


LTE Band 4 / 20MHz / 16QAM

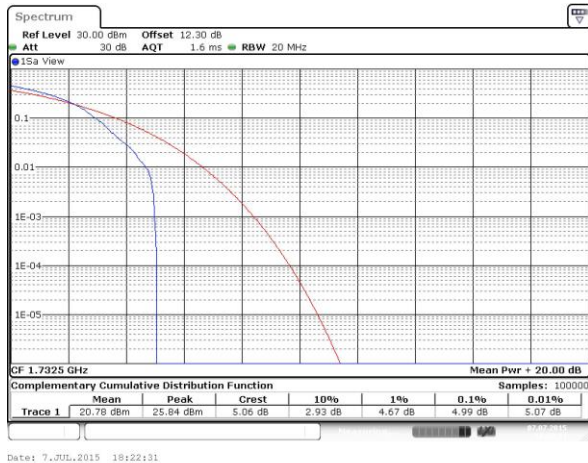
Lowest Channel / 1RB



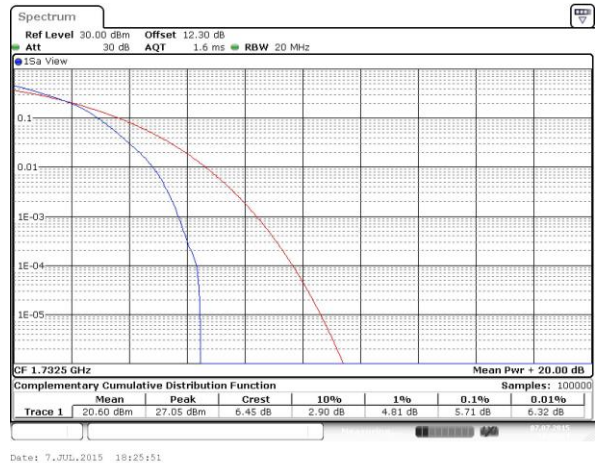
Lowest Channel / Full RB



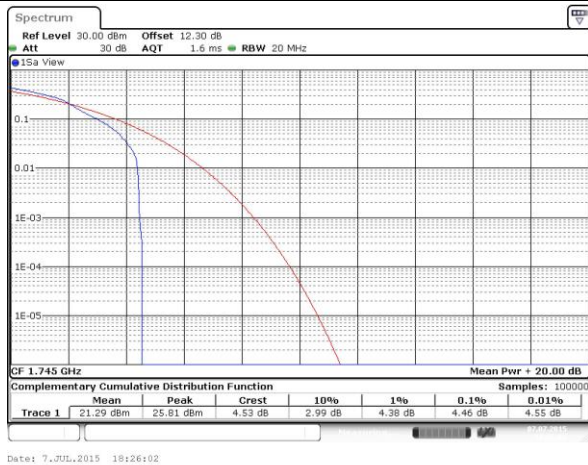
Middle Channel / 1RB



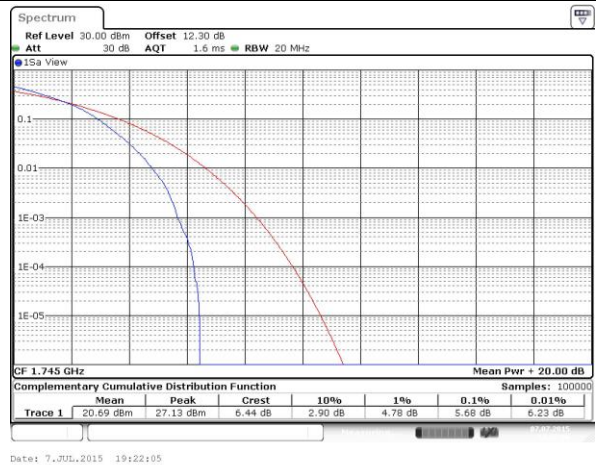
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





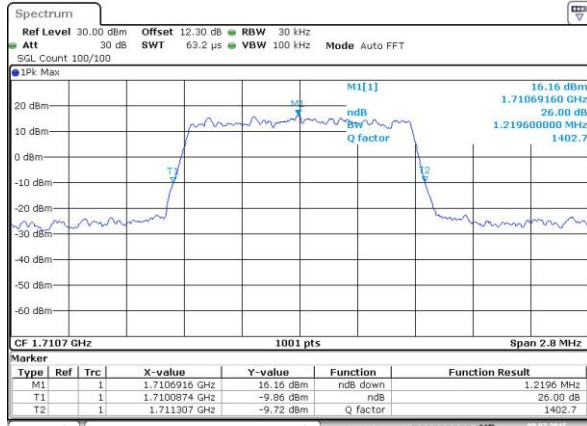
26dB Bandwidth

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	1.22	1.22	3.06	3	4.91	4.89	9.65	9.69	14.6	14.33	20.42	20.06
Middle CH	1.24	1.24	3.07	3.06	4.84	5.01	9.81	9.65	14.48	14.24	20.14	20.14
Highest CH	1.24	1.22	3.05	3.05	4.94	4.89	9.77	9.71	14.51	14.45	20.14	20.14

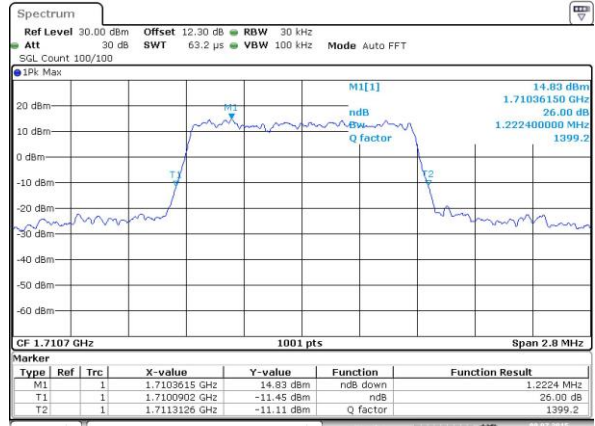


LTE Band 4

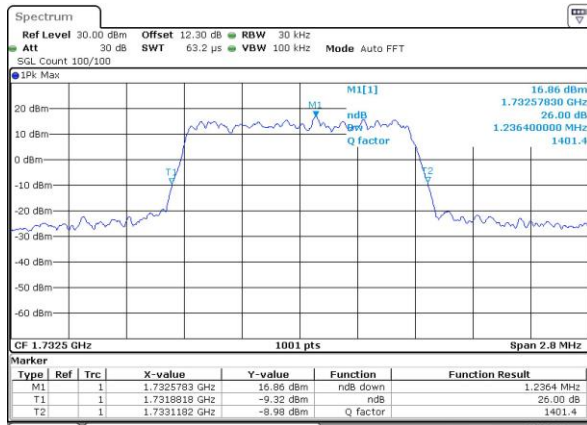
Lowest Channel / 1.4MHz / QPSK



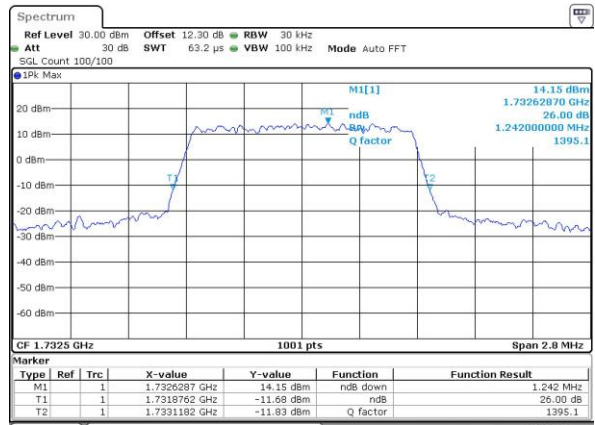
Lowest Channel / 1.4MHz / 16QAM



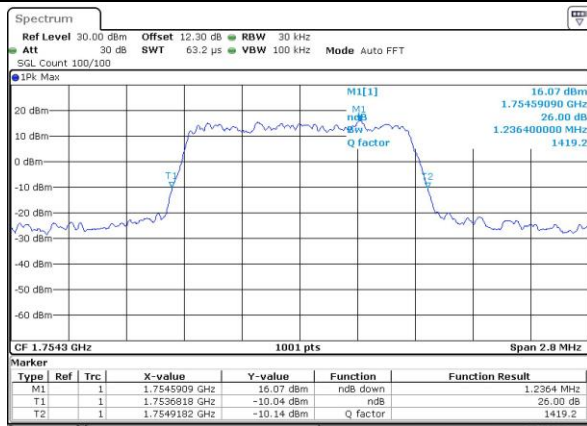
Middle Channel / 1.4MHz / QPSK



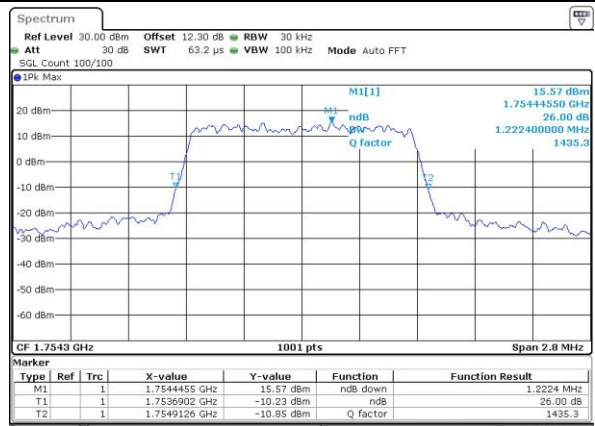
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



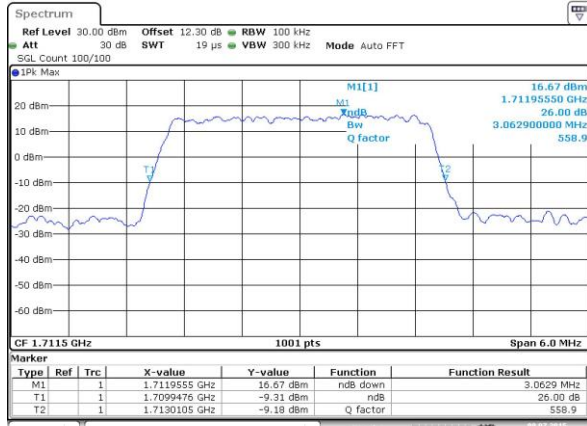
Highest Channel / 1.4MHz / 16QAM





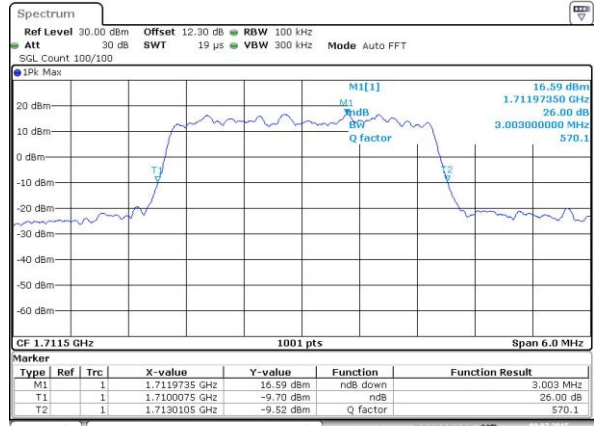
LTE Band 4

Lowest Channel / 3MHz / QPSK



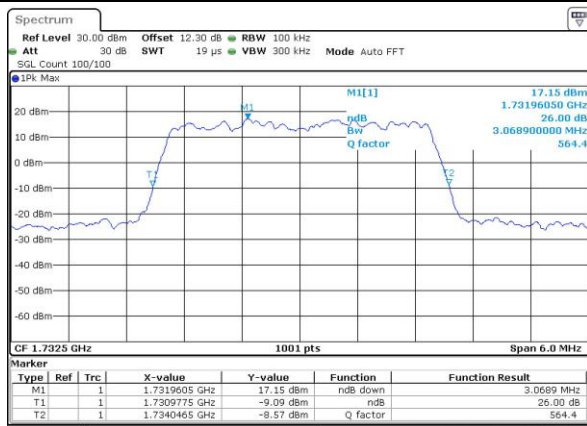
Date: 9.JUL.2015 12:15:06

Lowest Channel / 3MHz / 16QAM



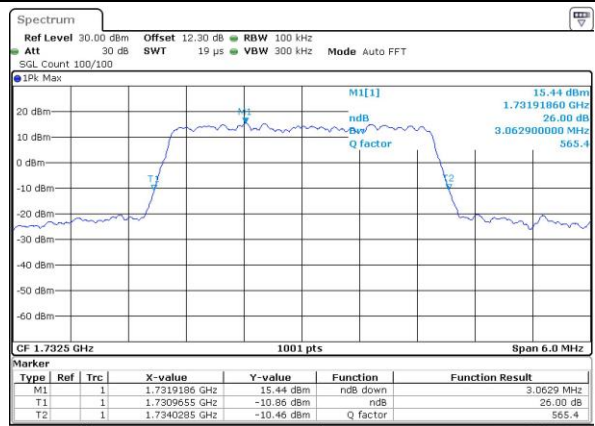
Date: 9.JUL.2015 12:15:18

Middle Channel / 3MHz / QPSK



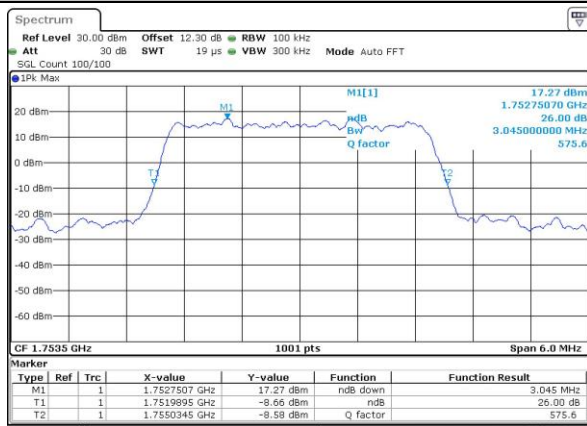
Date: 9.JUL.2015 12:15:29

Middle Channel / 3MHz / 16QAM



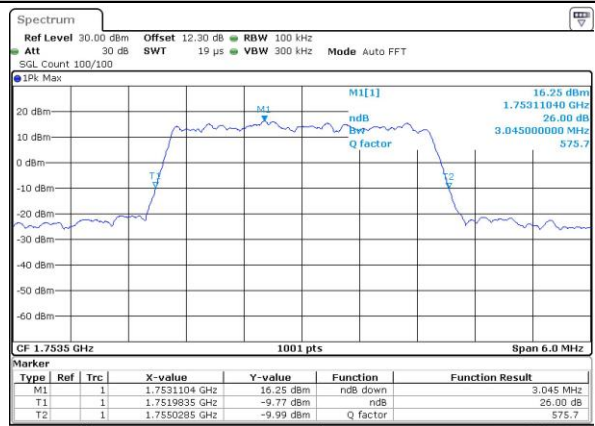
Date: 9.JUL.2015 12:15:41

Highest Channel / 3MHz / QPSK



Date: 9.JUL.2015 12:15:52

Highest Channel / 3MHz / 16QAM

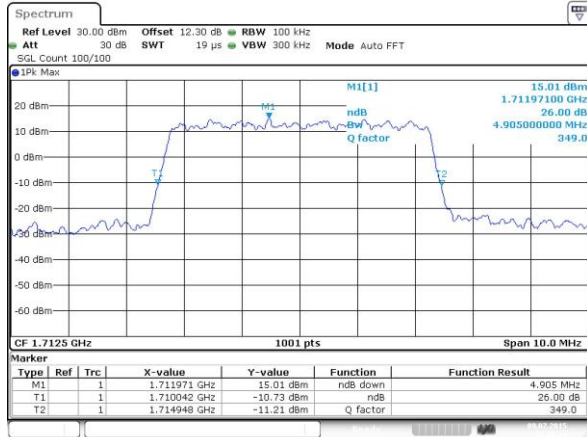


Date: 9.JUL.2015 12:16:04

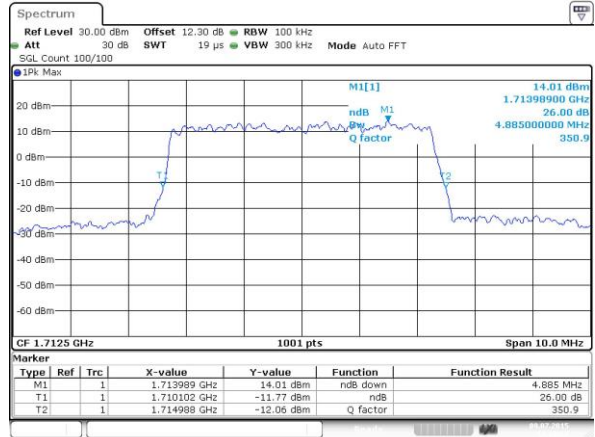


LTE Band 4

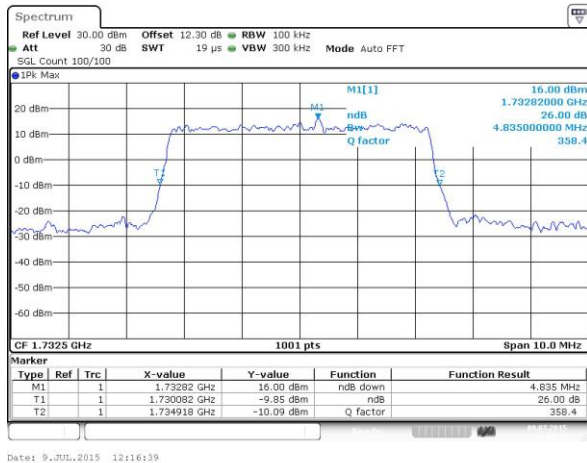
Lowest Channel / 5MHz / QPSK



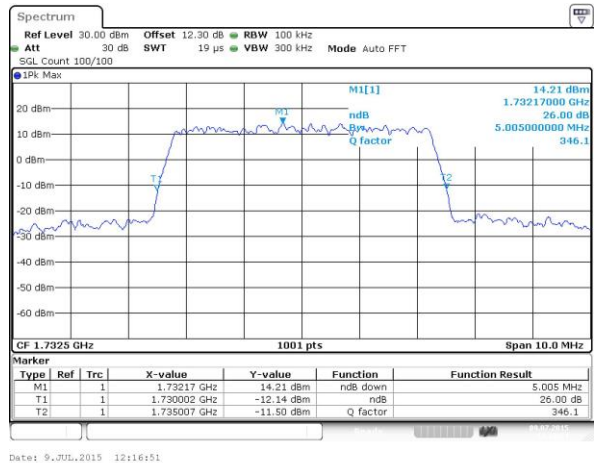
Lowest Channel / 5MHz / 16QAM



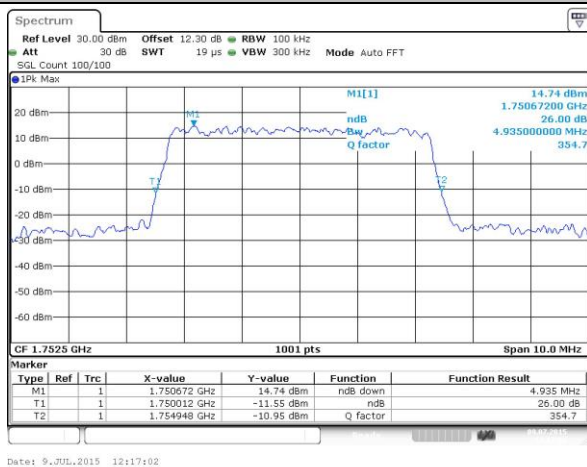
Middle Channel / 5MHz / QPSK



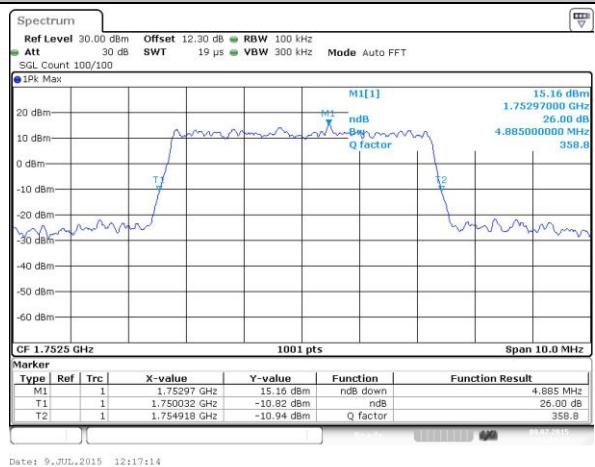
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



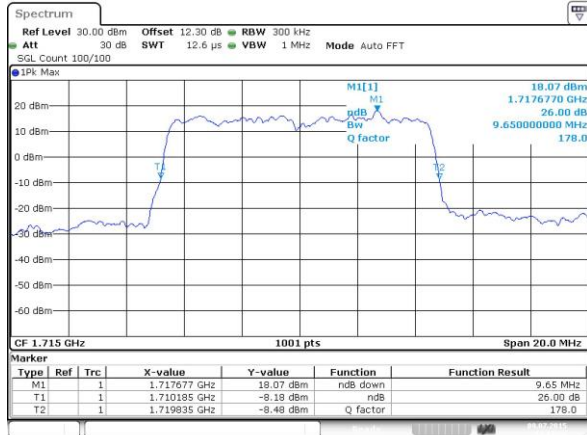
Highest Channel / 5MHz / 16QAM



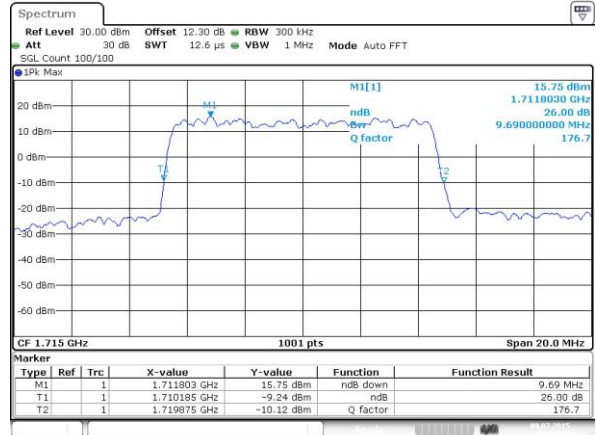


LTE Band 4

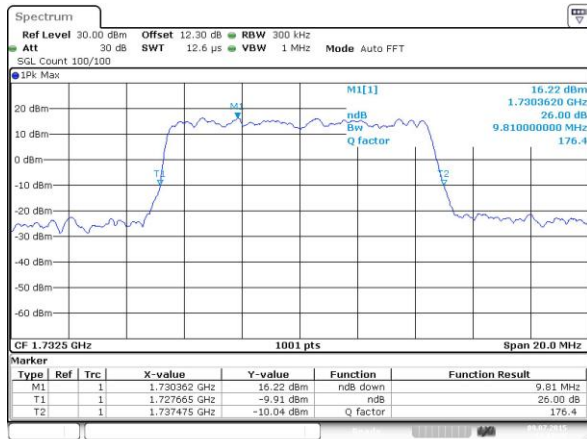
Lowest Channel / 10MHz / QPSK



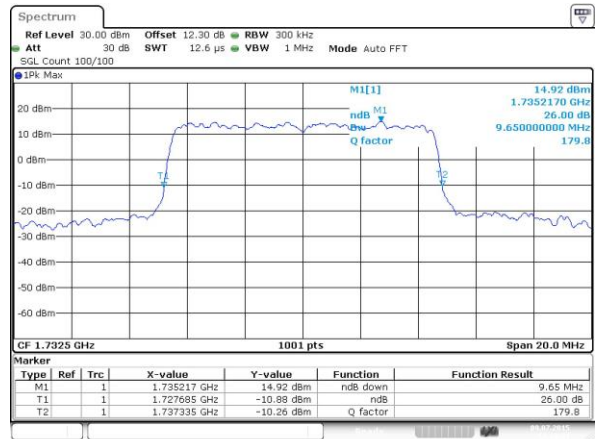
Lowest Channel / 10MHz / 16QAM



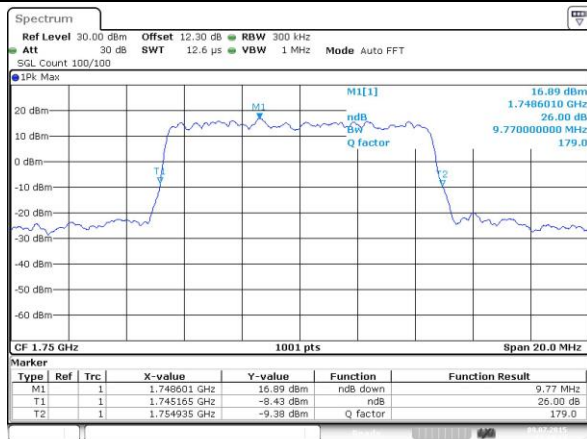
Middle Channel / 10MHz / QPSK



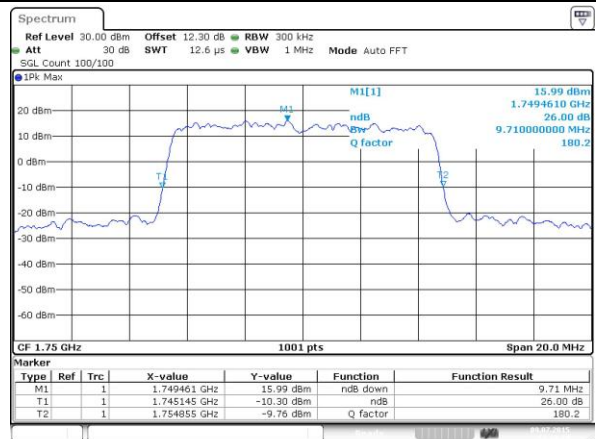
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



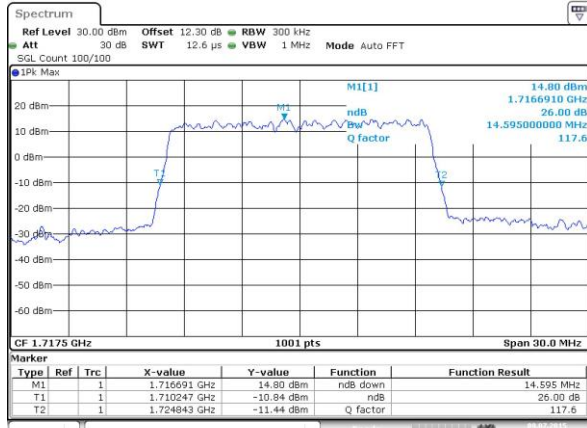
Highest Channel / 10MHz / 16QAM





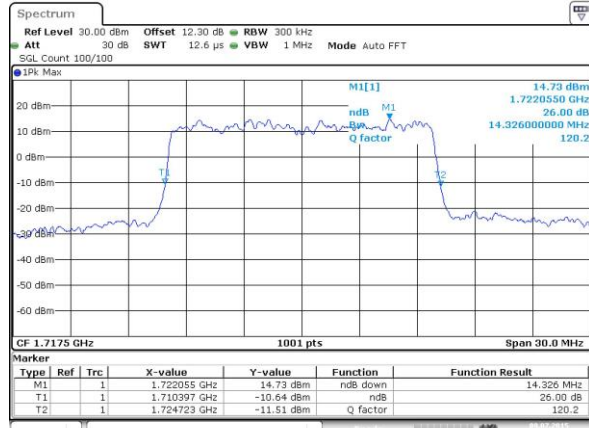
LTE Band 4

Lowest Channel / 15MHz / QPSK



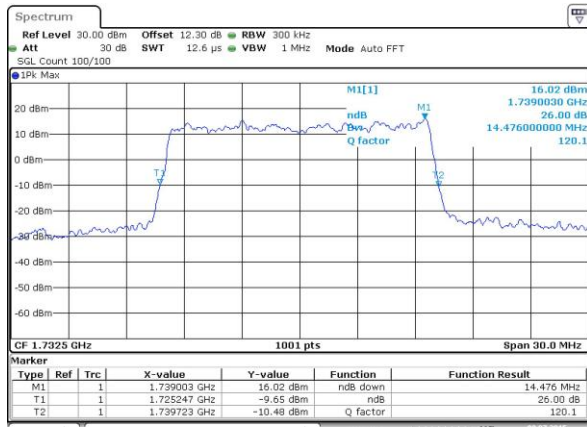
Date: 9,JUL,2015 12:18:36

Lowest Channel / 15MHz / 16QAM



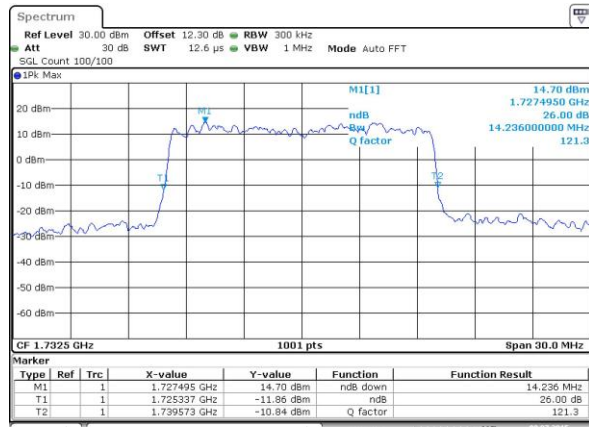
Date: 9,JUL,2015 12:18:47

Middle Channel / 15MHz / QPSK



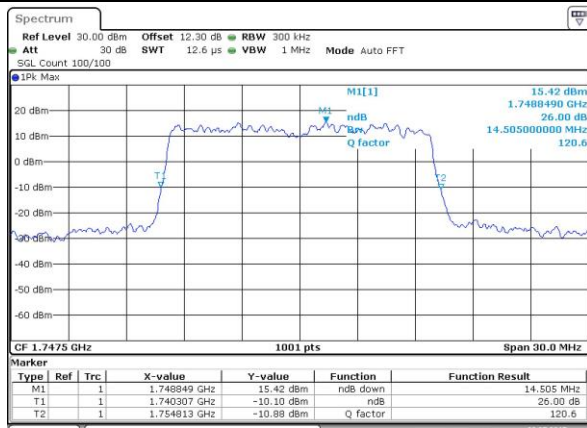
Date: 9,JUL,2015 12:18:59

Middle Channel / 15MHz / 16QAM



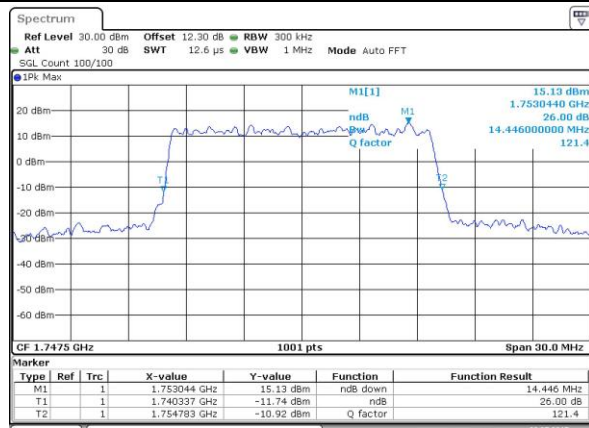
Date: 9,JUL,2015 12:19:11

Highest Channel / 15MHz / QPSK



Date: 9,JUL,2015 12:19:22

Highest Channel / 15MHz / 16QAM

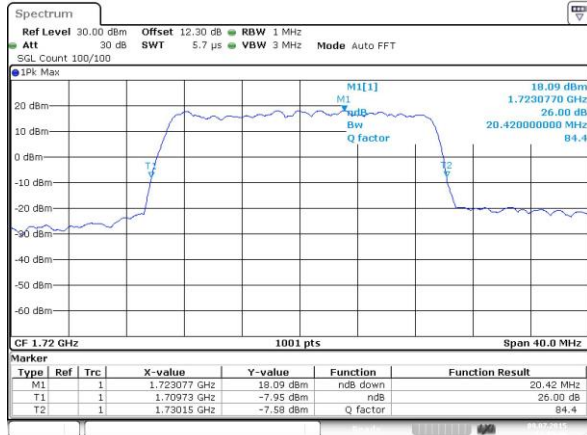


Date: 9,JUL,2015 12:19:34

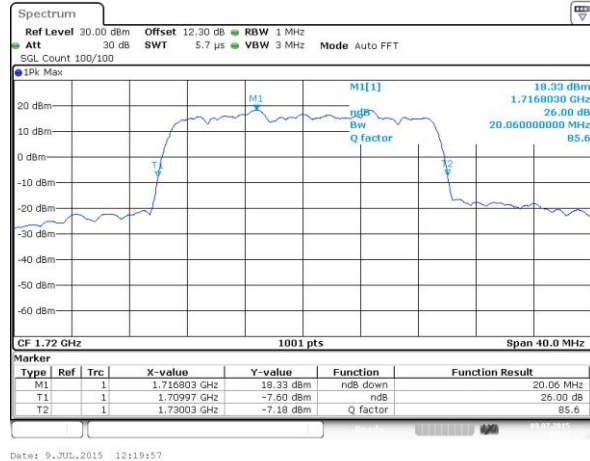


LTE Band 4

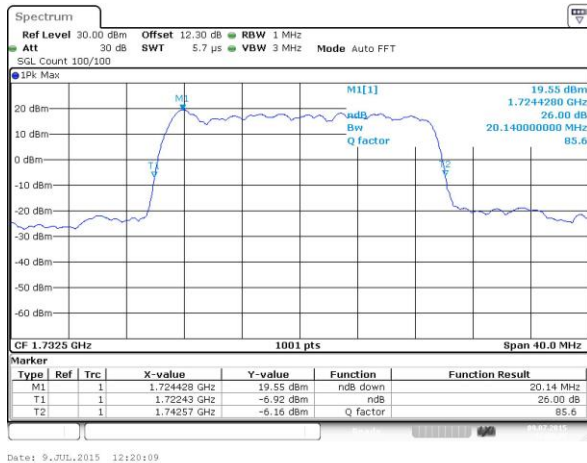
Lowest Channel / 20MHz / QPSK



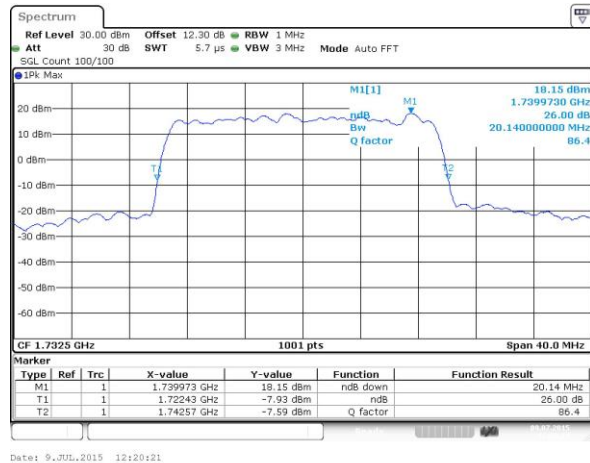
Lowest Channel / 20MHz / 16QAM



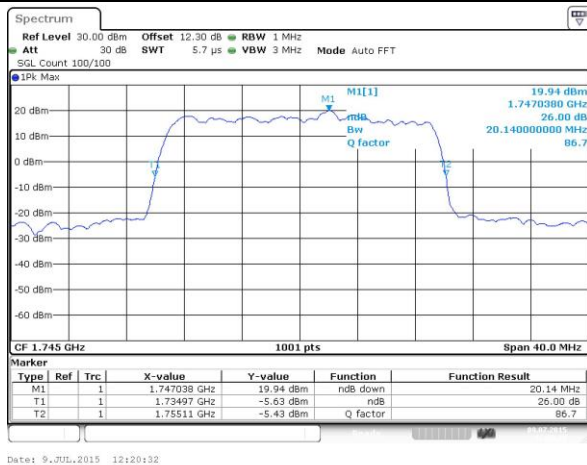
Middle Channel / 20MHz / QPSK



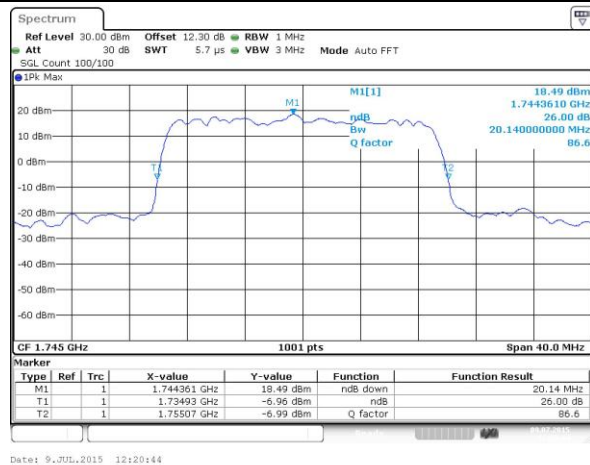
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





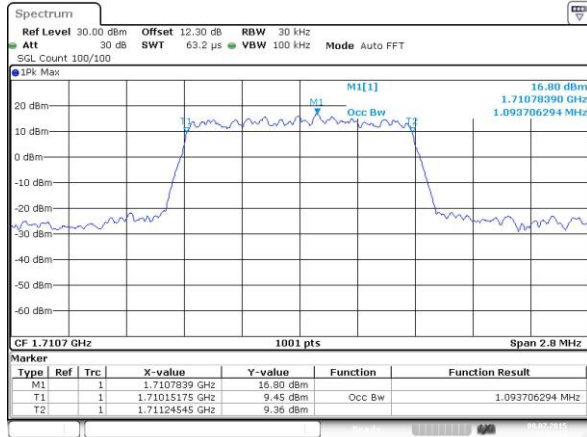
Occupied Bandwidth

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	1.09	2.69	2.74	4.49	4.48	9.05	8.97	13.49	13.43	18.3	18.42
Middle CH	1.1	1.09	2.71	2.7	4.51	4.49	9.01	9.03	13.52	13.43	18.46	18.54
Highest CH	1.09	1.09	2.72	2.7	4.49	4.48	9.01	9.03	13.43	13.49	18.46	18.34

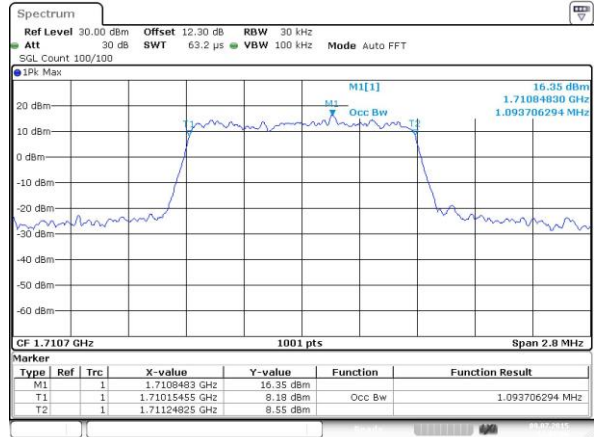


LTE Band 4

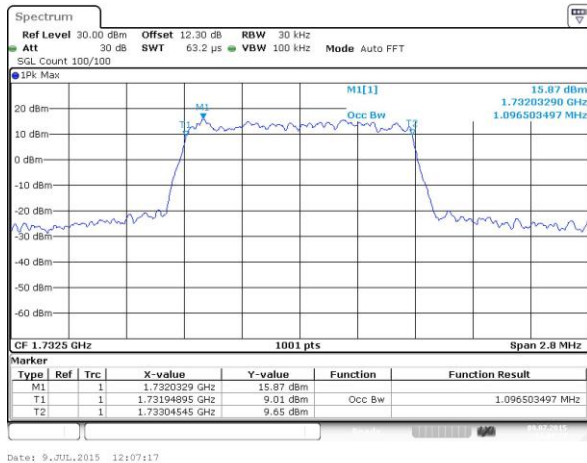
Lowest Channel / 1.4MHz / QPSK



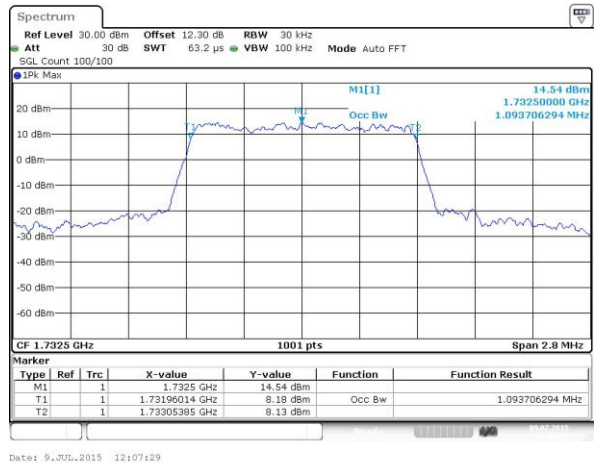
Lowest Channel / 1.4MHz / 16QAM



Middle Channel / 1.4MHz / QPSK



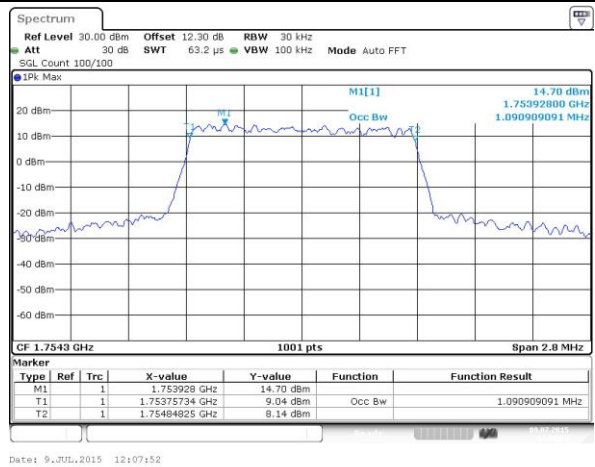
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



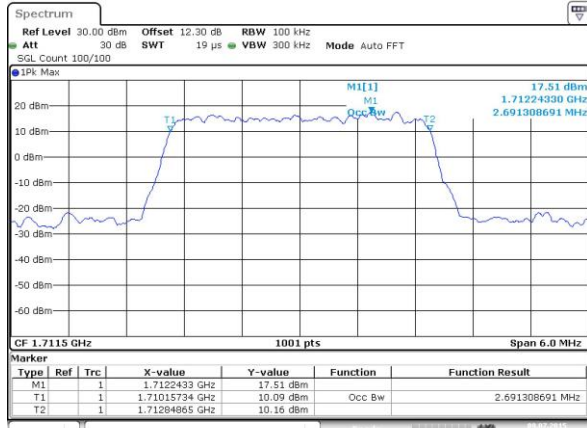
Highest Channel / 1.4MHz / 16QAM





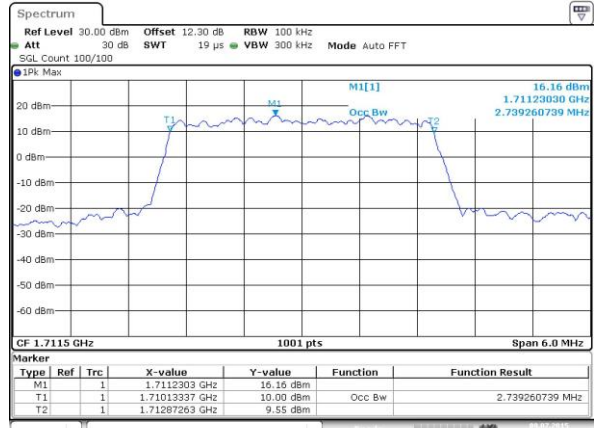
LTE Band 4

Lowest Channel / 3MHz / QPSK



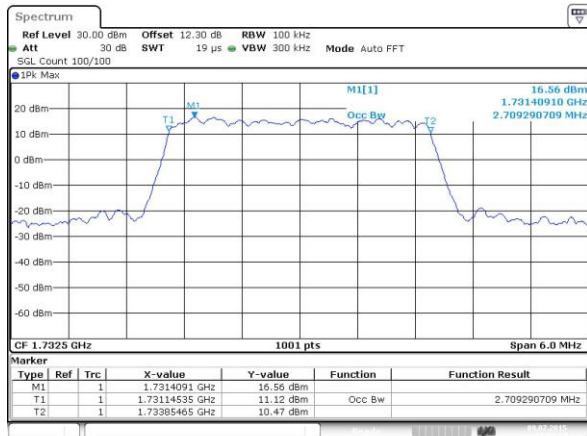
Date: 9,JUL,2015 12:08:04

Lowest Channel / 3MHz / 16QAM



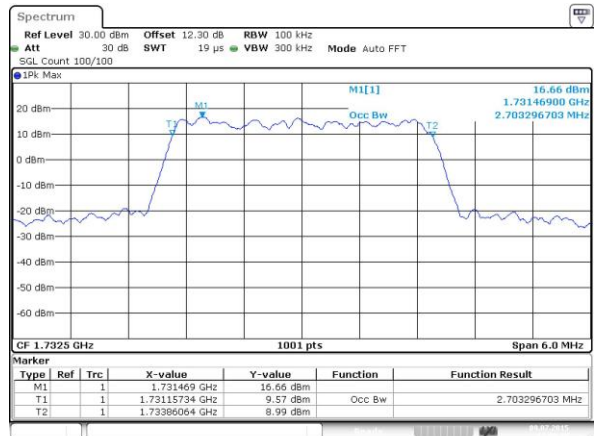
Date: 9,JUL,2015 12:08:16

Middle Channel / 3MHz / QPSK



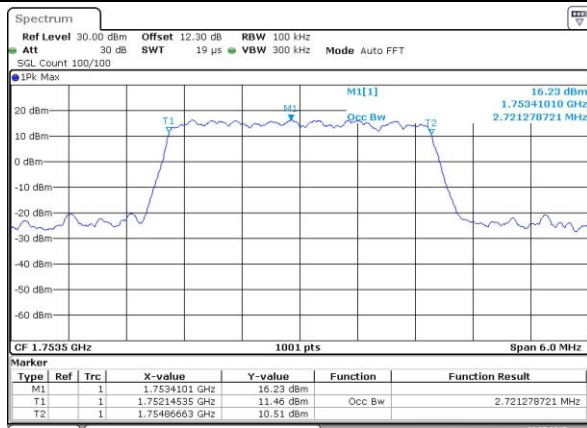
Date: 9,JUL,2015 12:08:28

Middle Channel / 3MHz / 16QAM



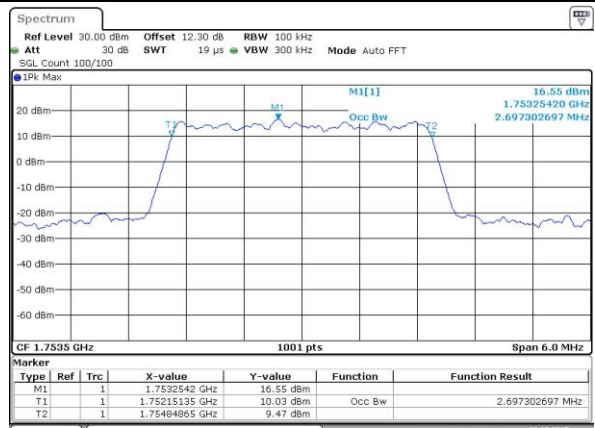
Date: 9,JUL,2015 12:08:39

Highest Channel / 3MHz / QPSK



Date: 9,JUL,2015 12:08:51

Highest Channel / 3MHz / 16QAM

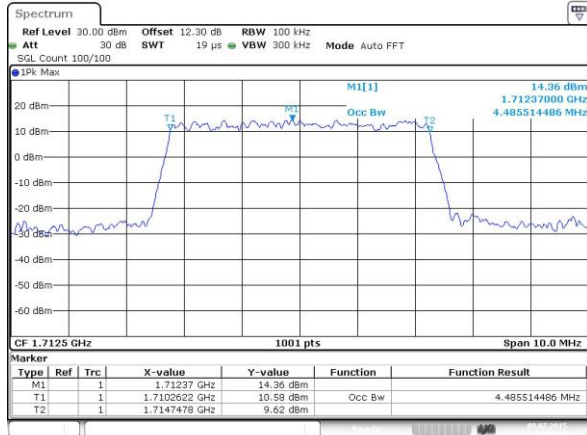


Date: 9,JUL,2015 12:09:03

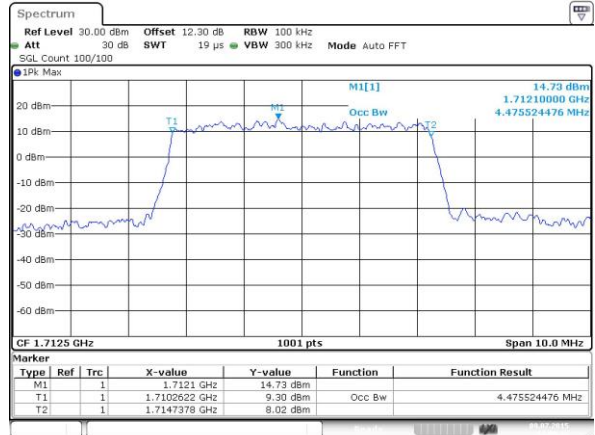


LTE Band 4

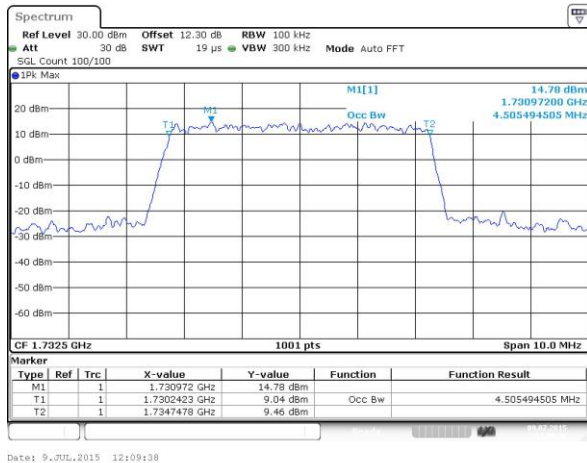
Lowest Channel / 5MHz / QPSK



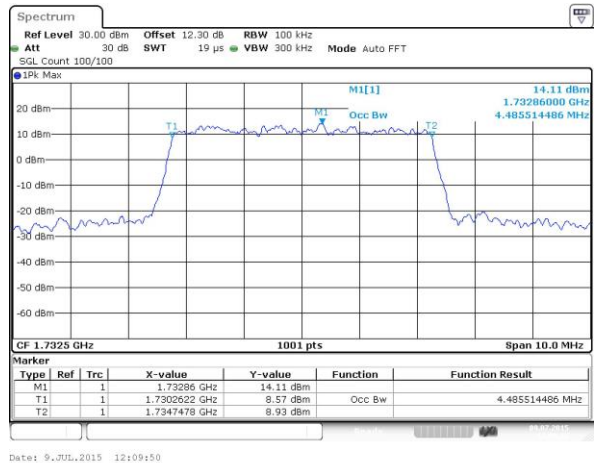
Lowest Channel / 5MHz / 16QAM



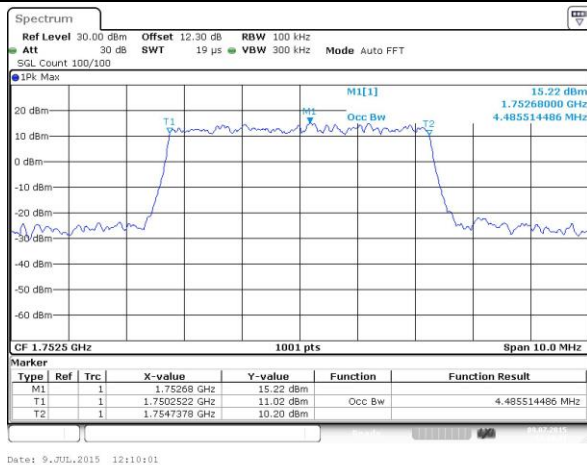
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

