



LTE Band 4

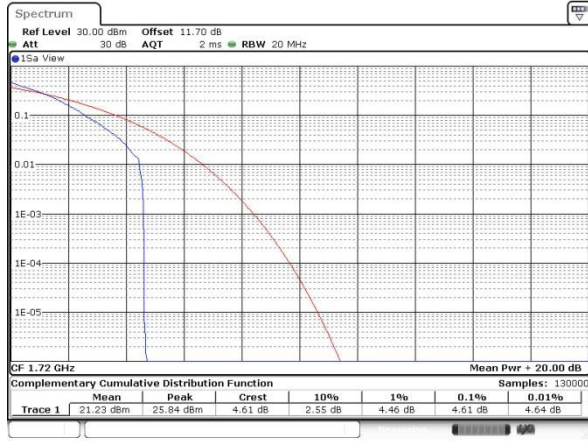
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	4.72	5.3	5.8	PASS
Middle CH	4.09	4.81	4.72	5.68	
Highest CH	4.35	5.04	4.9	6.03	

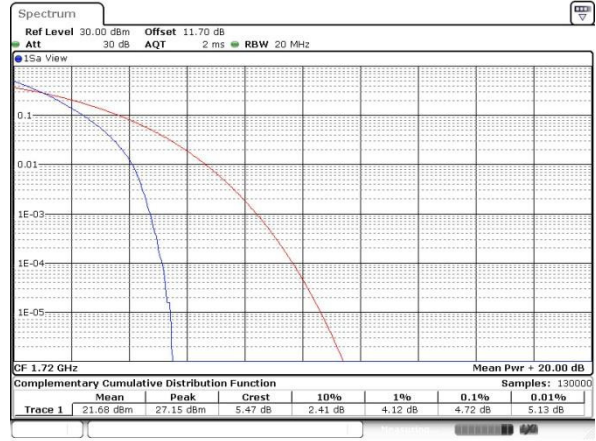


LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

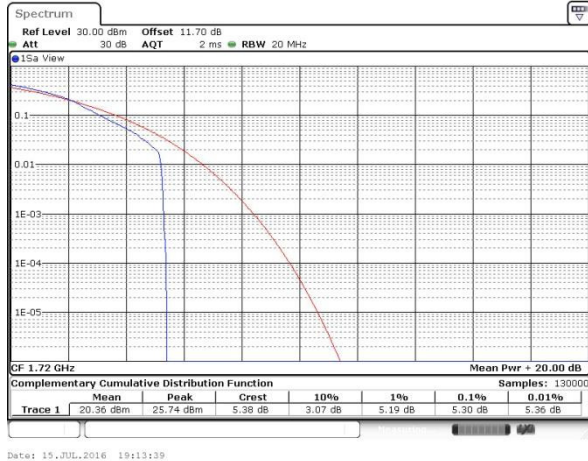
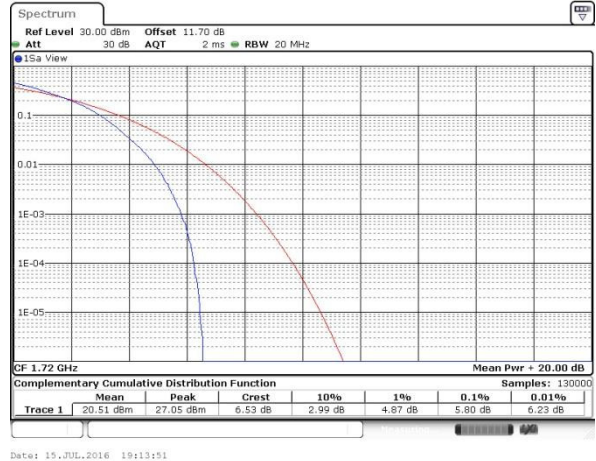
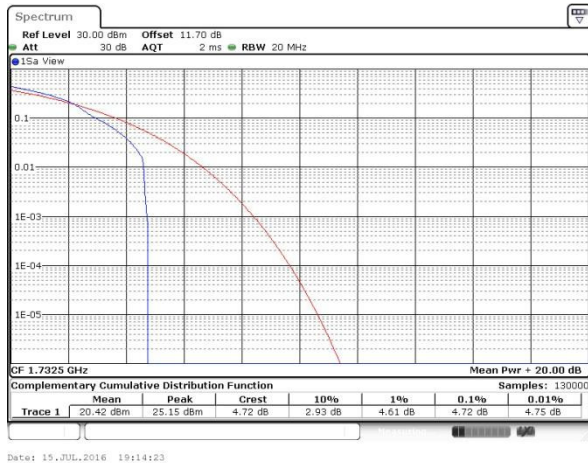
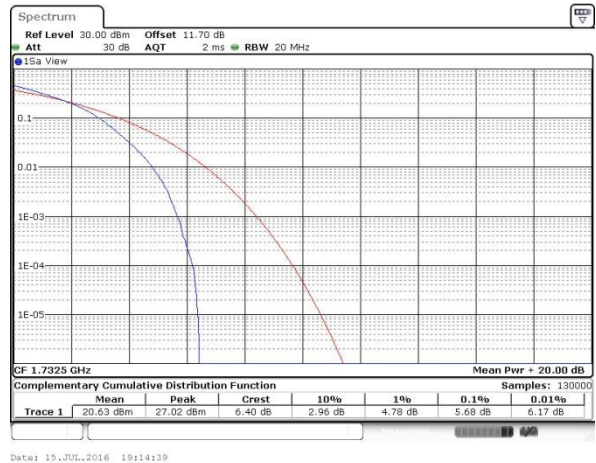
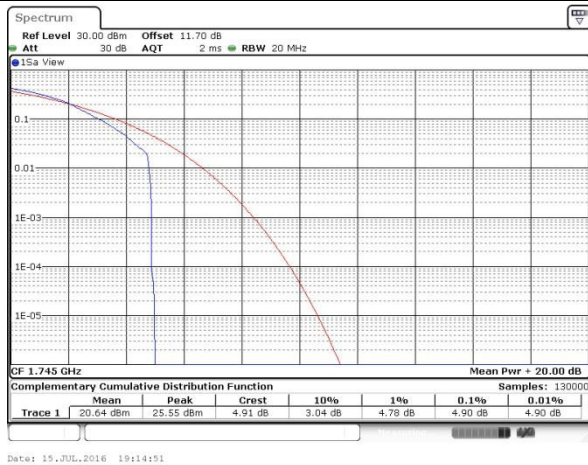
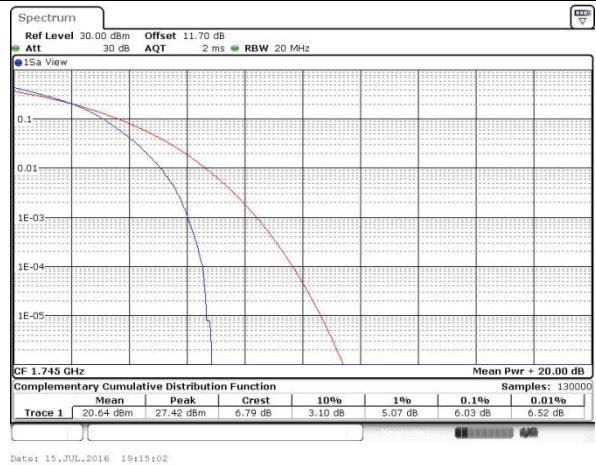


Highest Channel / 1RB



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


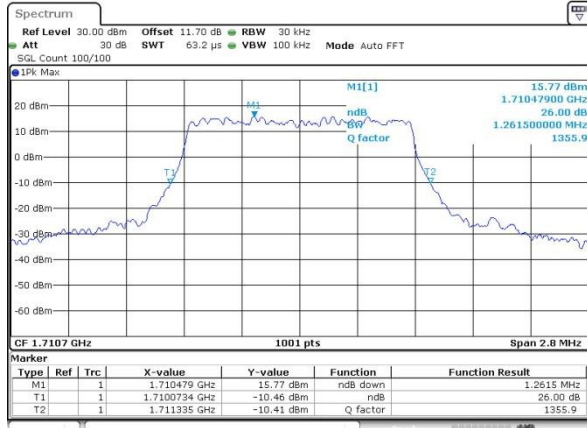
**26dB Bandwidth**

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	1.262	1.239	3.051	2.991	5.065	4.845	10.03	9.79	14.595	14.386	20.1	20.1
Middle CH	1.278	1.27	3.033	3.033	4.775	5.015	9.93	9.85	14.386	14.535	20.18	20.1
Highest CH	1.281	1.284	3.009	2.973	4.985	5.025	9.75	9.75	14.505	14.266	20.18	20.42



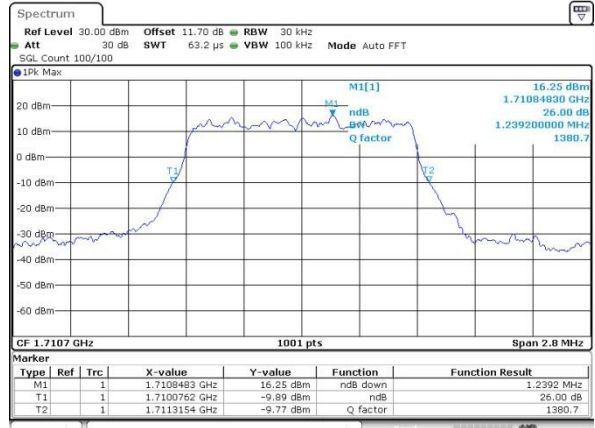
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



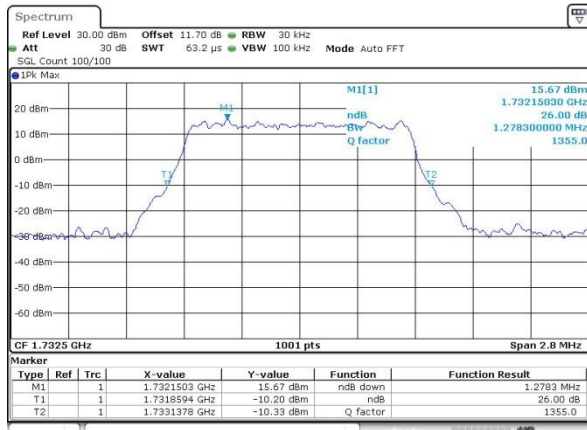
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Lowest Channel / 1.4MHz / 16QAM



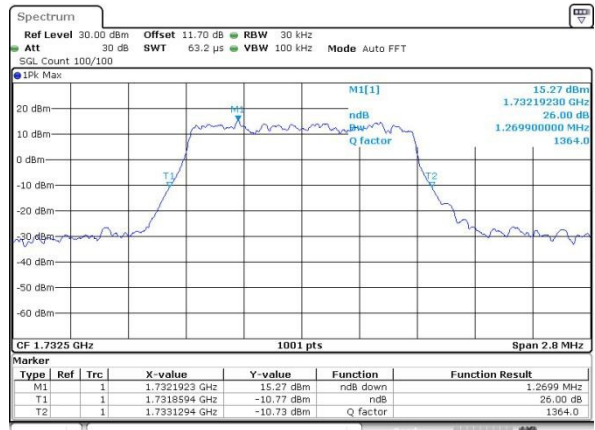
Date: 15.JUL.2016 15:55:34

Middle Channel / 1.4MHz / QPSK



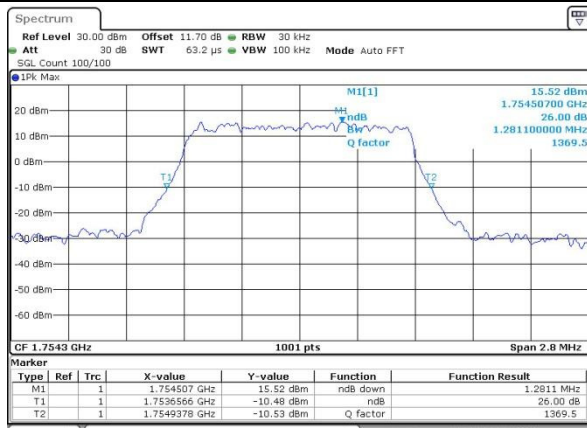
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Middle Channel / 1.4MHz / 16QAM



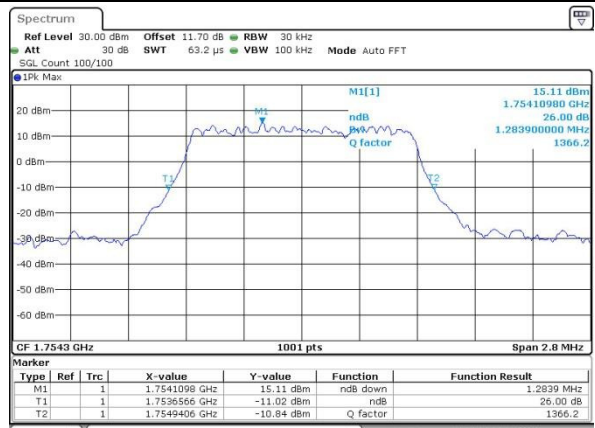
Date: 15.JUL.2016 16:02:55

Highest Channel / 1.4MHz / QPSK



Date: 15.JUL.2016 16:05:27

Highest Channel / 1.4MHz / 16QAM

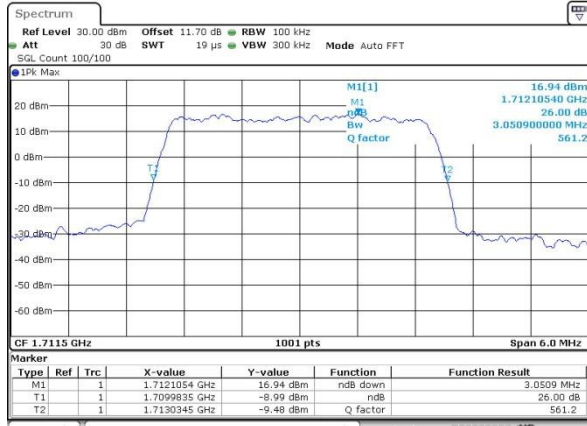


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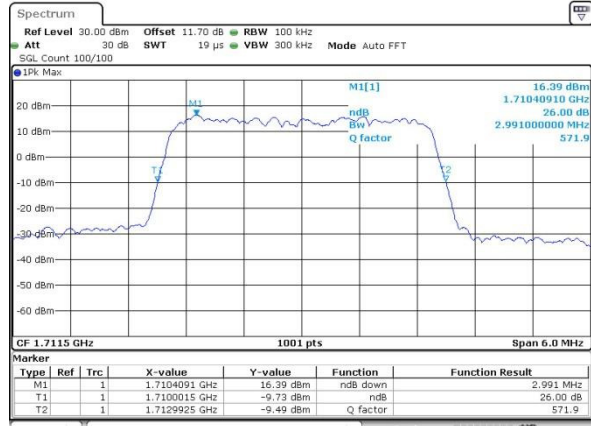


LTE Band 4

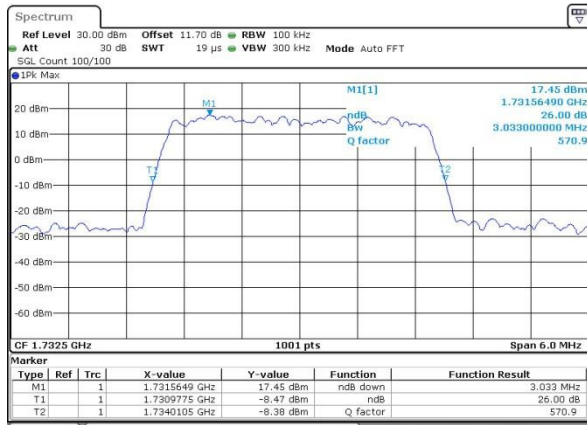
Lowest Channel / 3MHz / QPSK



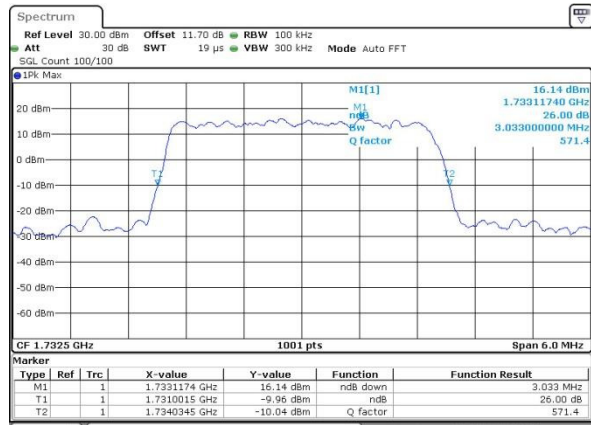
Lowest Channel / 3MHz / 16QAM



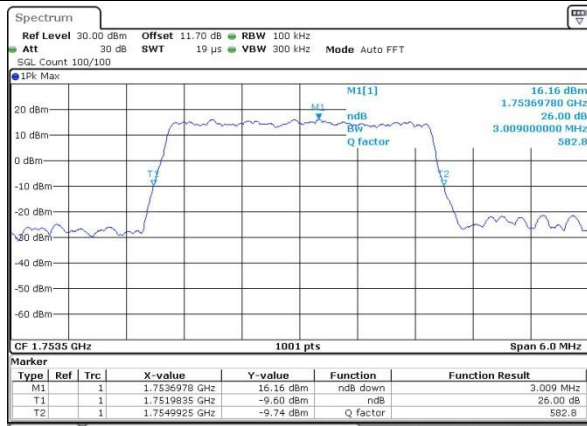
Middle Channel / 3MHz / QPSK



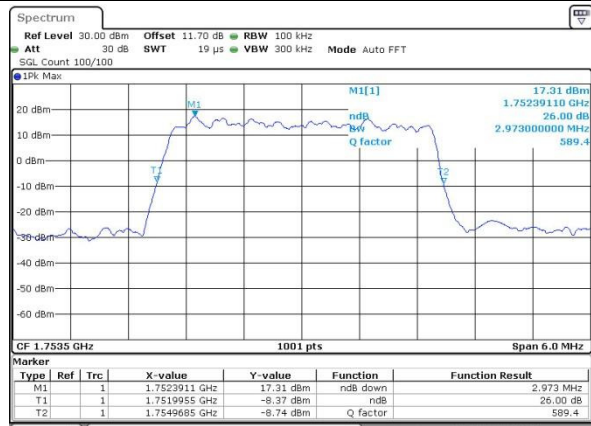
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



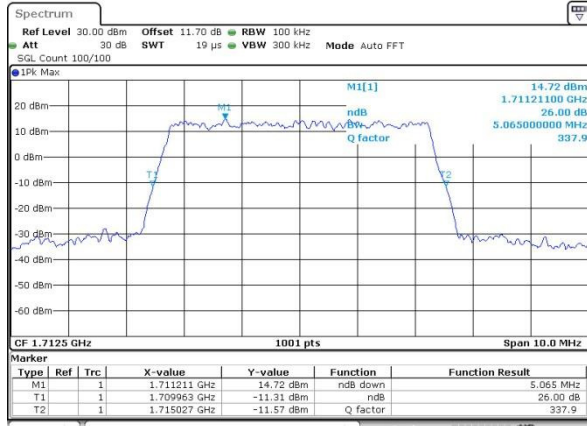
Highest Channel / 3MHz / 16QAM



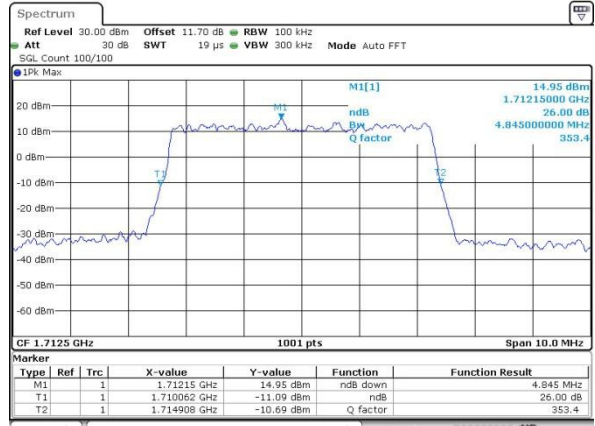


LTE Band 4

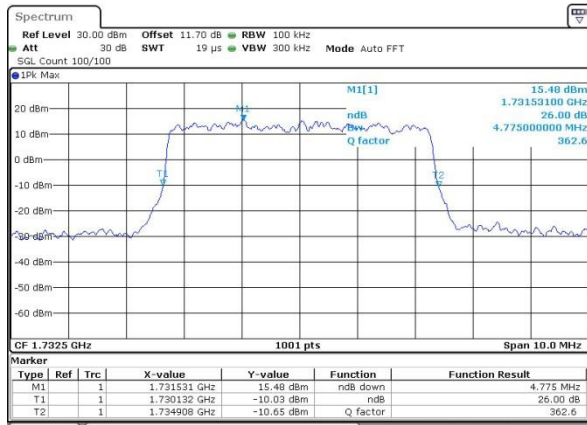
Lowest Channel / 5MHz / QPSK



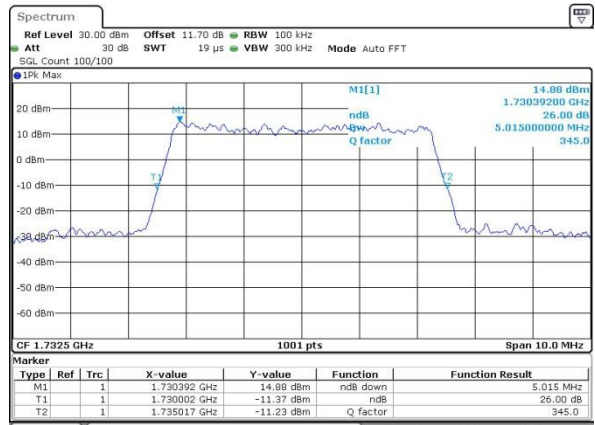
Lowest Channel / 5MHz / 16QAM



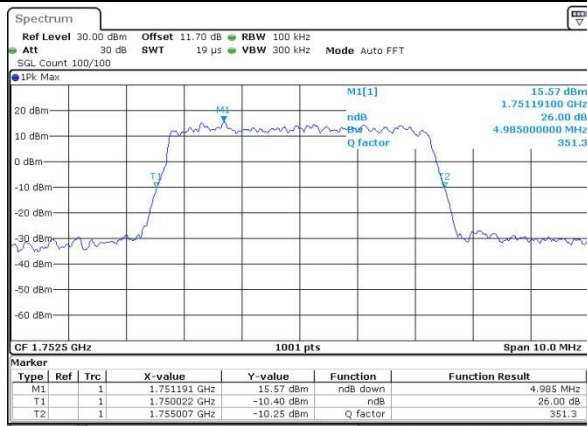
Middle Channel / 5MHz / QPSK



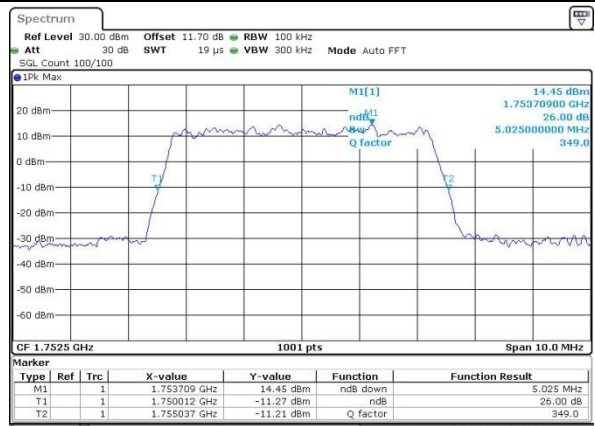
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



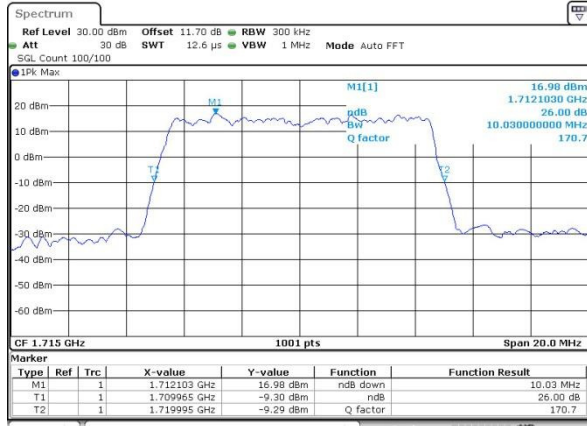
Highest Channel / 5MHz / 16QAM





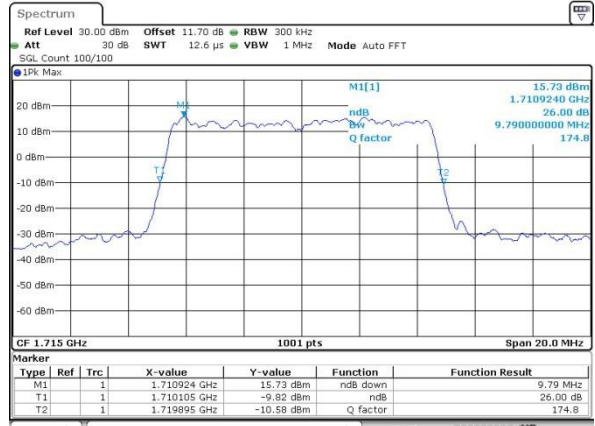
LTE Band 4

Lowest Channel / 10MHz / QPSK



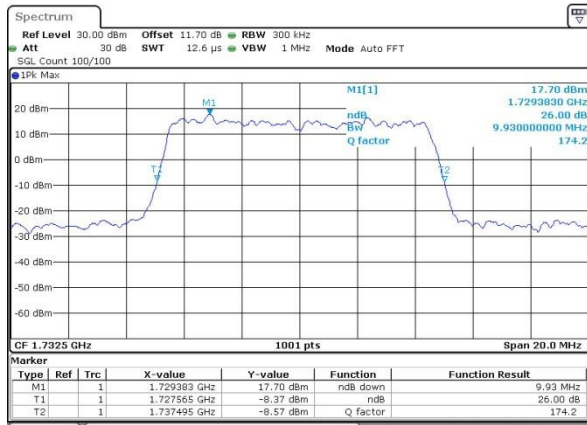
Date: 15.JUL.2016 16:47:37

Lowest Channel / 10MHz / 16QAM



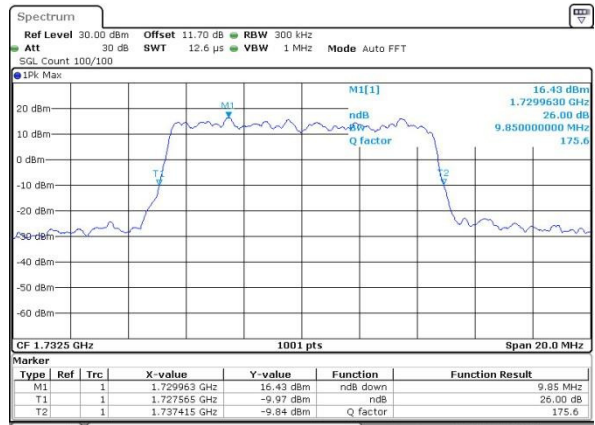
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Middle Channel / 10MHz / QPSK



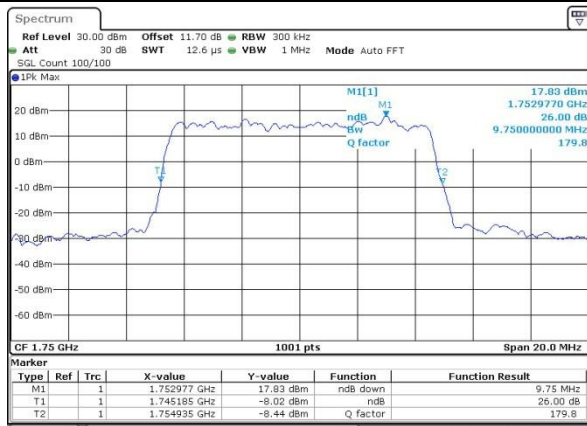
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Middle Channel / 10MHz / 16QAM



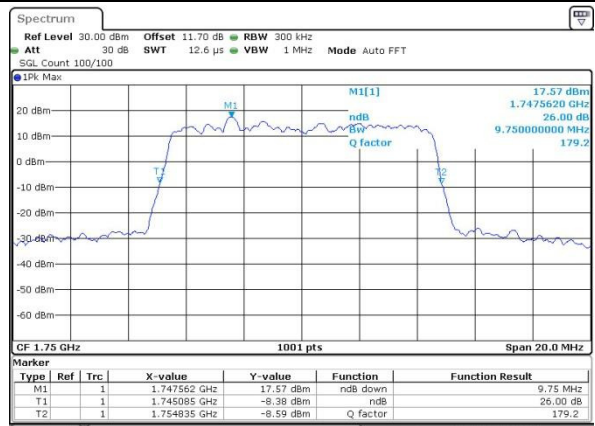
Date: 15.JUL.2016 16:55:09

Highest Channel / 10MHz / QPSK



Date: 15.JUL.2016 17:54:25

Highest Channel / 10MHz / 16QAM

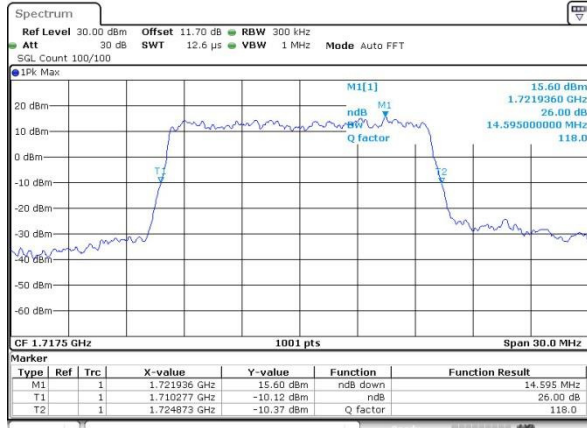


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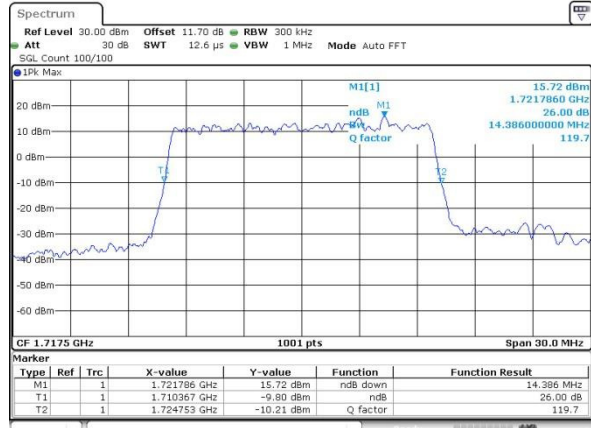
LTE Band 4

Lowest Channel / 15MHz / QPSK



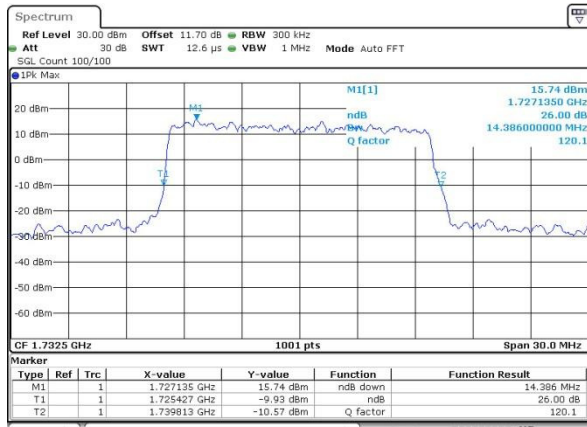
Date: 15.JUL.2016 18:01:50

Lowest Channel / 15MHz / 16QAM



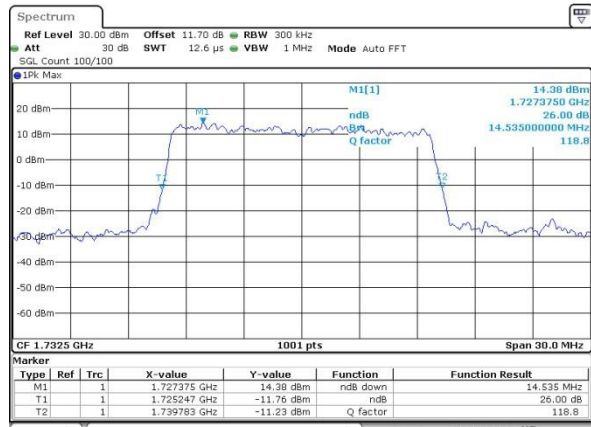
Date: 15.JUL.2016 18:02:02

Middle Channel / 15MHz / QPSK



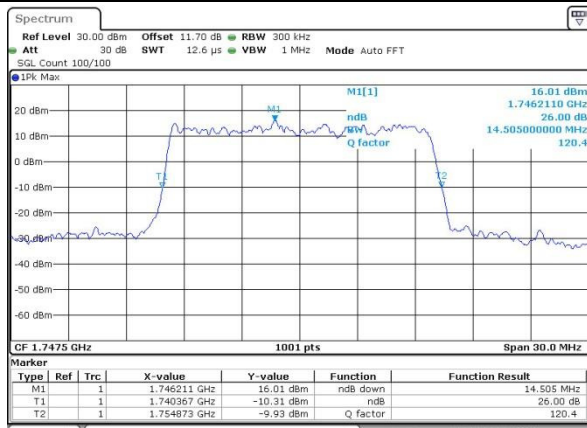
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Middle Channel / 15MHz / 16QAM



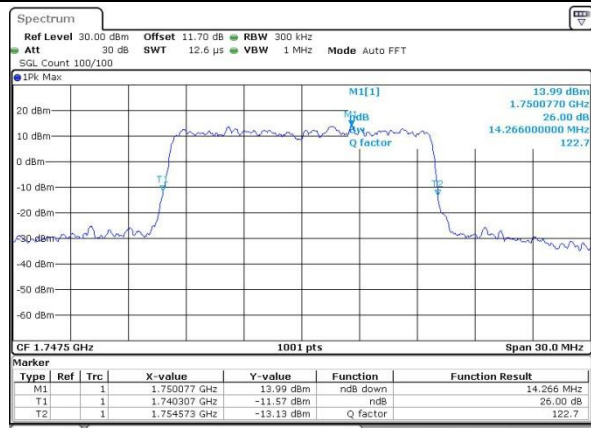
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Highest Channel / 15MHz / QPSK



Date: 15.JUL.2016 18:11:58

Highest Channel / 15MHz / 16QAM

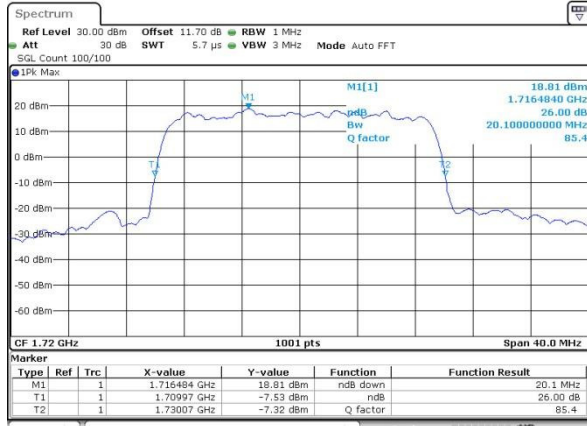


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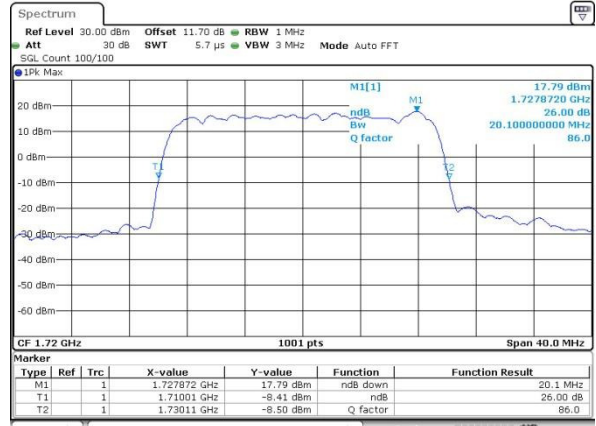


LTE Band 4

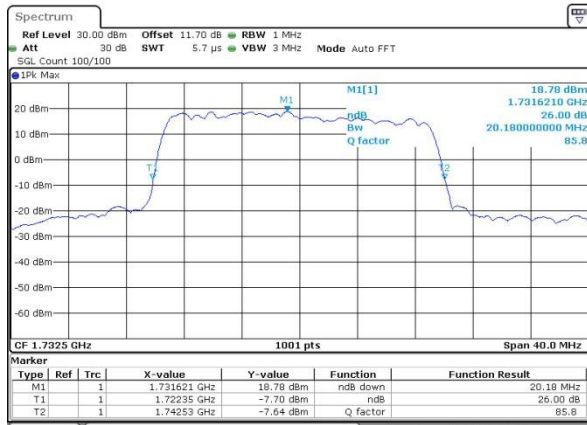
Lowest Channel / 20MHz / QPSK



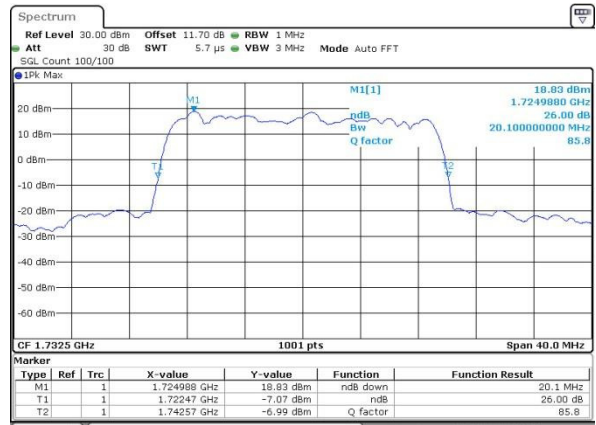
Lowest Channel / 20MHz / 16QAM



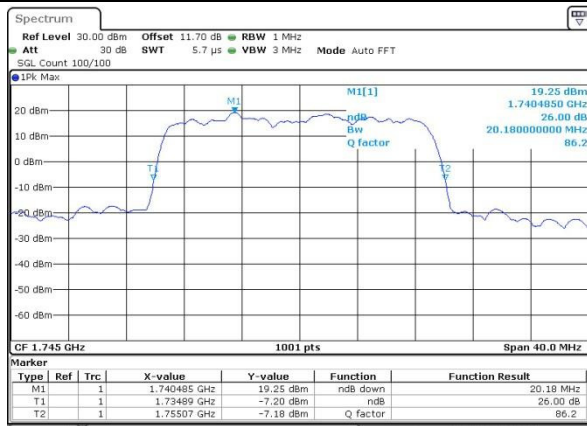
Middle Channel / 20MHz / QPSK



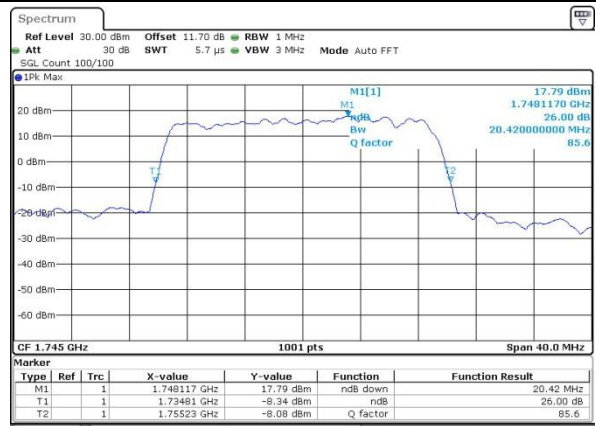
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



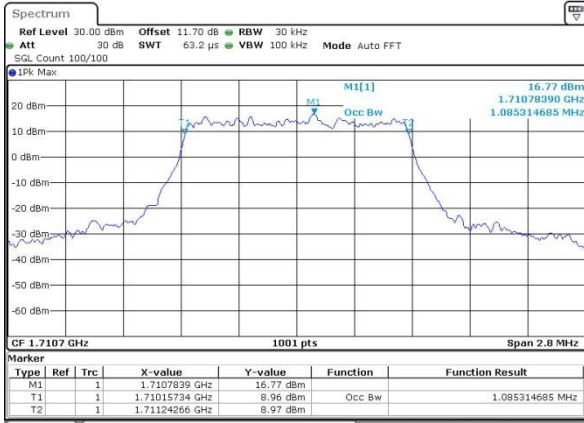
**Occupied Bandwidth**

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	2.71	2.72	4.49	4.5	9.07	9.11	13.52	13.46	18.3	18.22
Middle CH	1.1	1.09	2.72	2.73	4.49	4.48	9.07	9.01	13.52	13.46	18.38	18.26
Highest CH	1.09	1.09	2.72	2.72	4.5	4.49	9.11	8.99	13.46	13.37	18.3	18.38

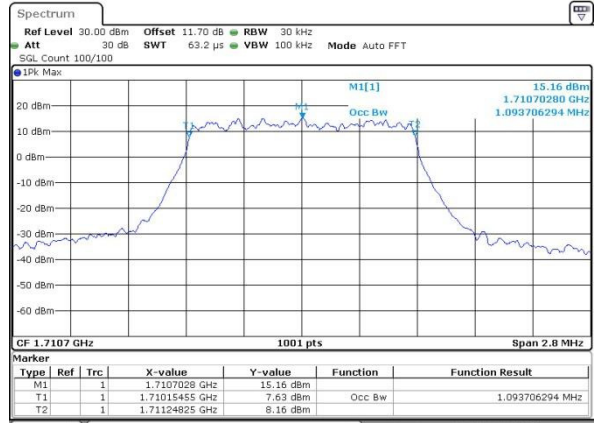


LTE Band 4

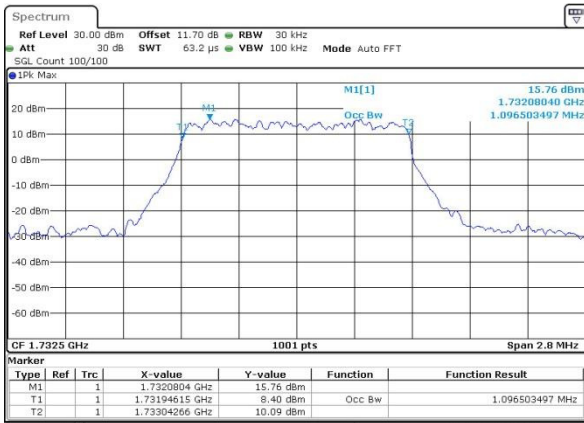
Lowest Channel / 1.4MHz / QPSK



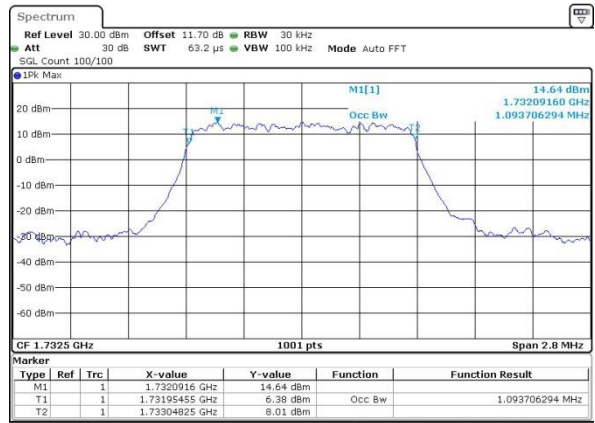
Lowest Channel / 1.4MHz / 16QAM



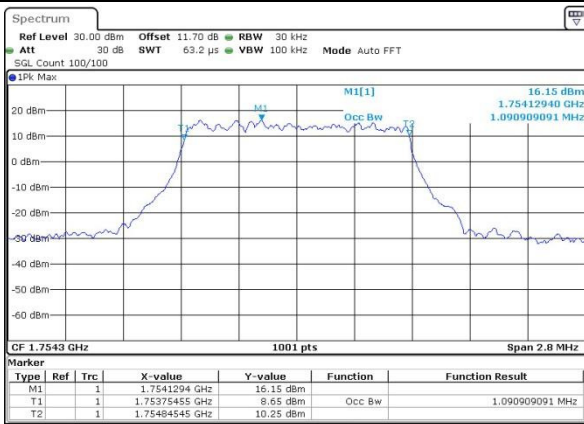
Middle Channel / 1.4MHz / QPSK



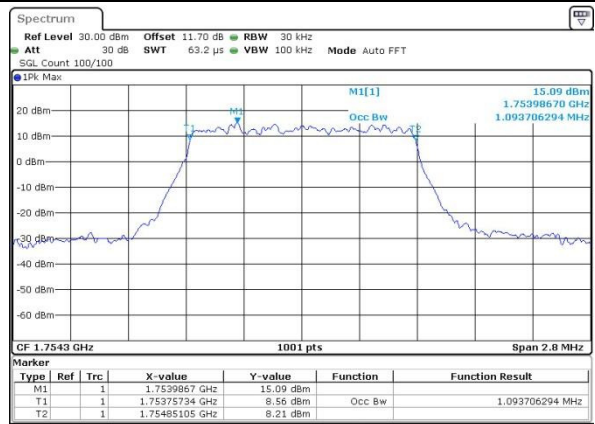
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



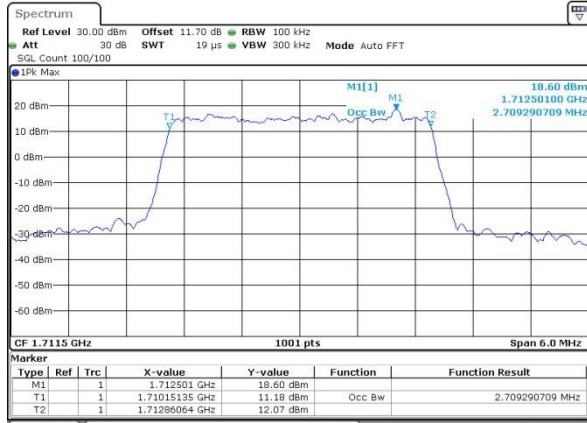
Highest Channel / 1.4MHz / 16QAM



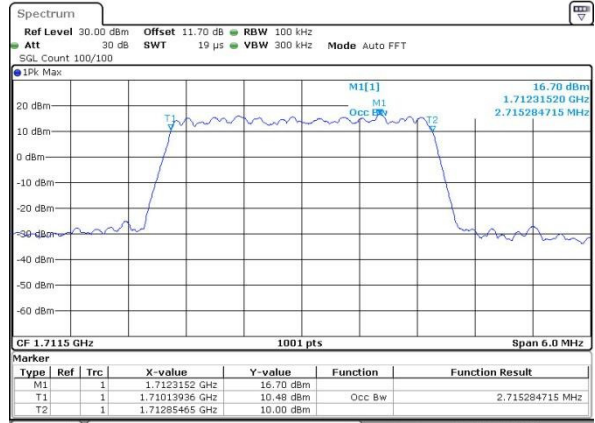


LTE Band 4

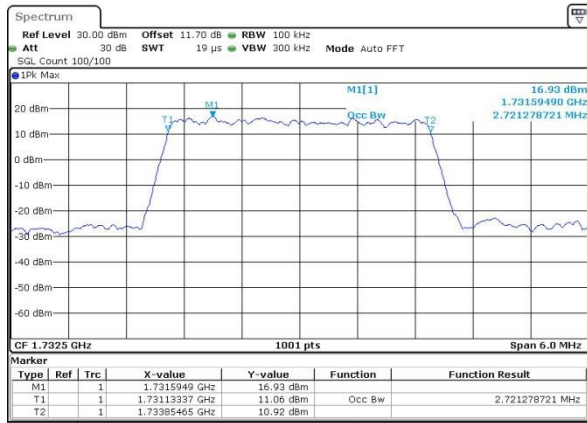
Lowest Channel / 3MHz / QPSK



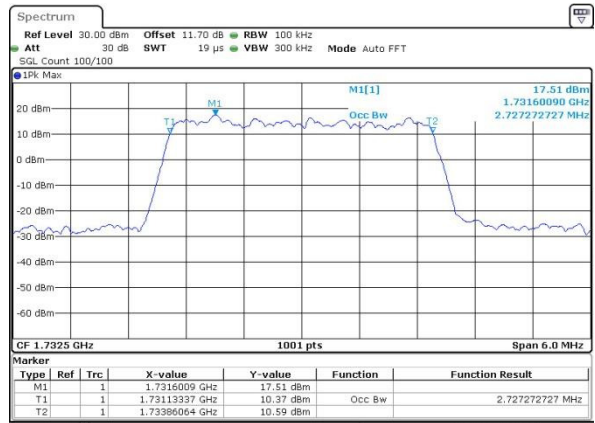
Lowest Channel / 3MHz / 16QAM



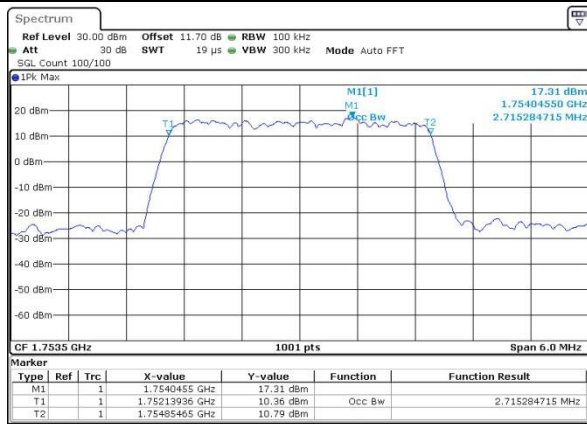
Middle Channel / 3MHz / QPSK



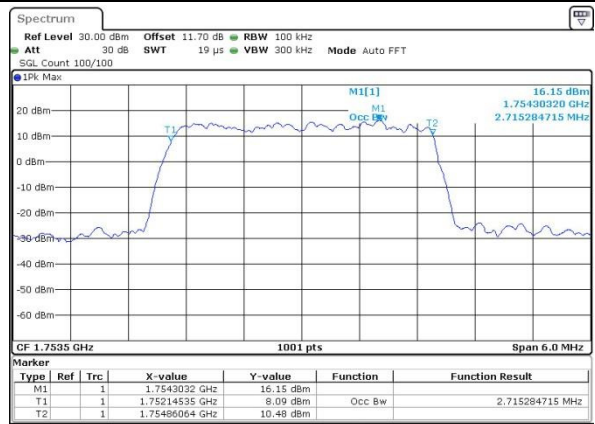
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



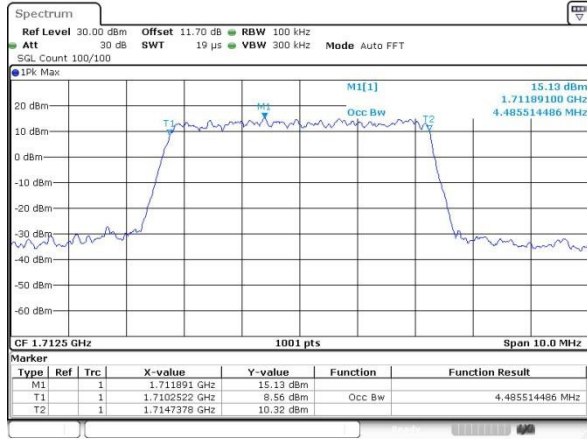
Highest Channel / 3MHz / 16QAM



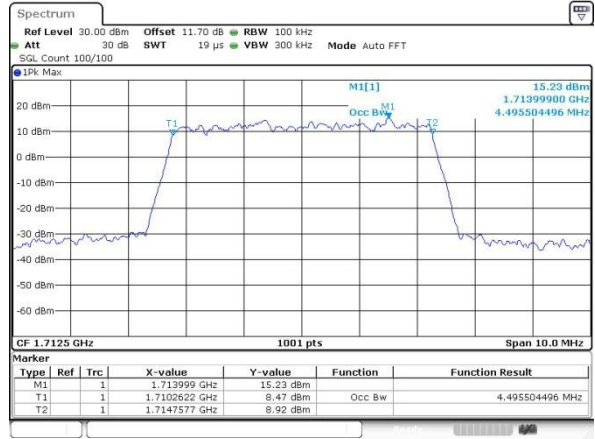


LTE Band 4

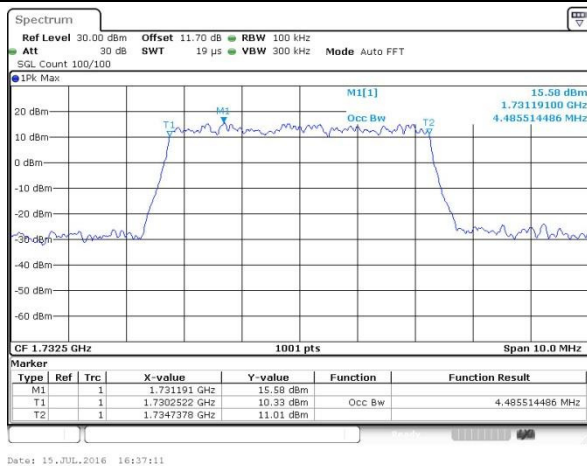
Lowest Channel / 5MHz / QPSK



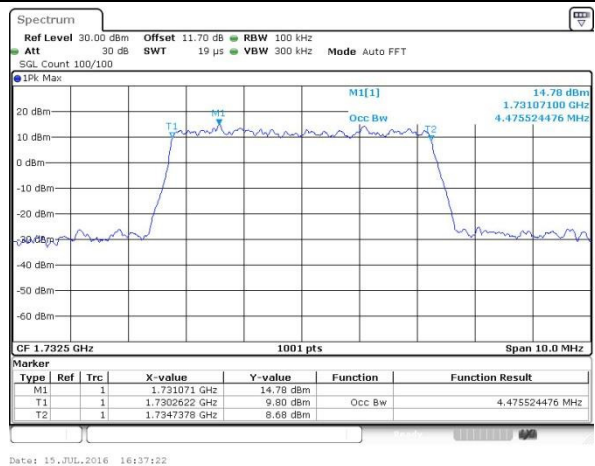
Lowest Channel / 5MHz / 16QAM



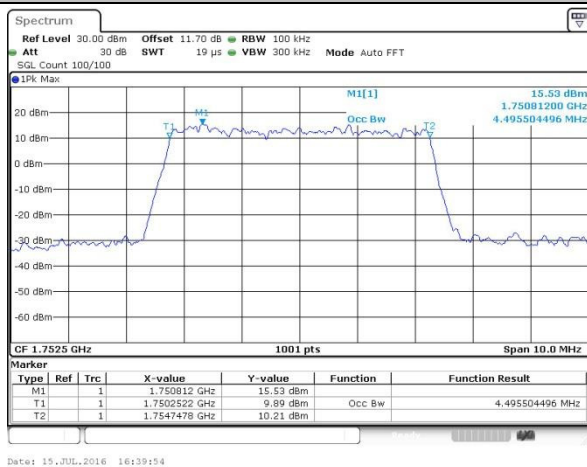
Middle Channel / 5MHz / QPSK



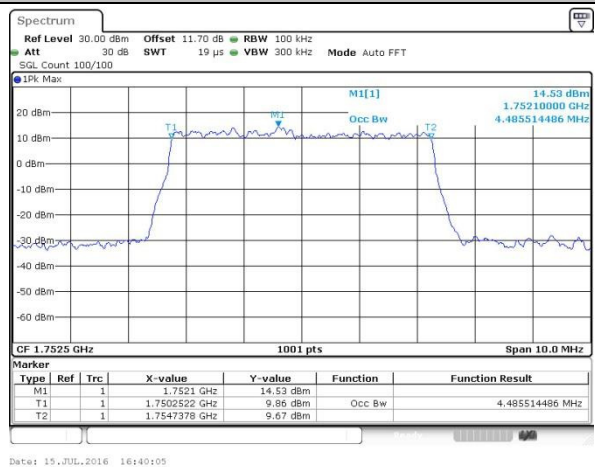
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



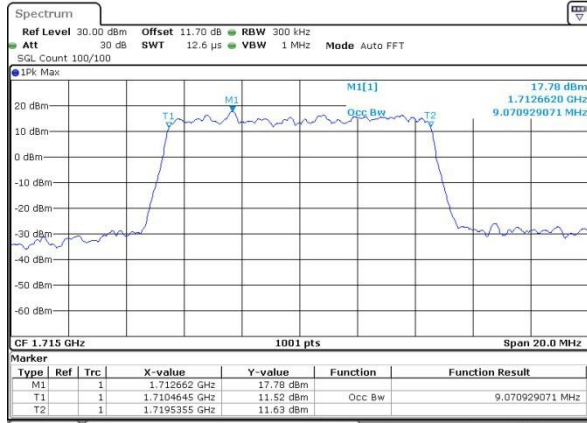
Highest Channel / 5MHz / 16QAM





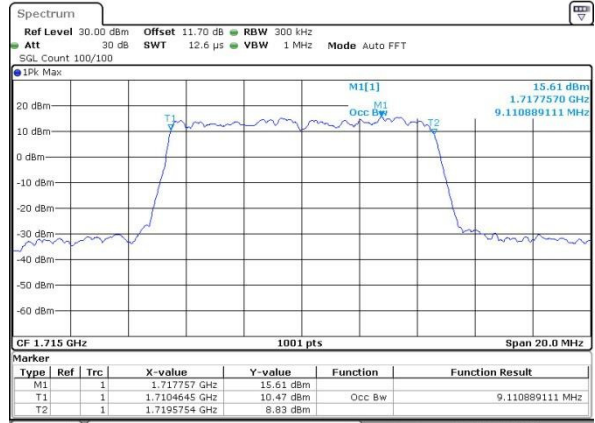
LTE Band 4

Lowest Channel / 10MHz / QPSK



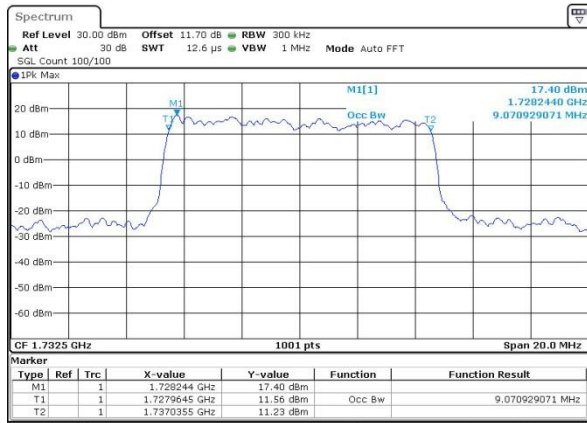
Date: 15.JUL.2016 16:47:14

Lowest Channel / 10MHz / 16QAM



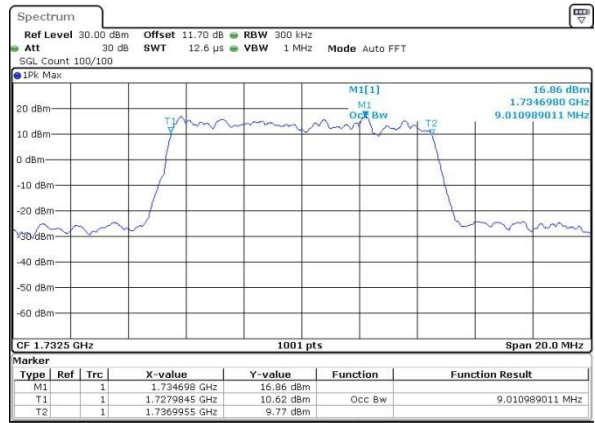
Date: 15.JUL.2016 16:47:25

Middle Channel / 10MHz / QPSK



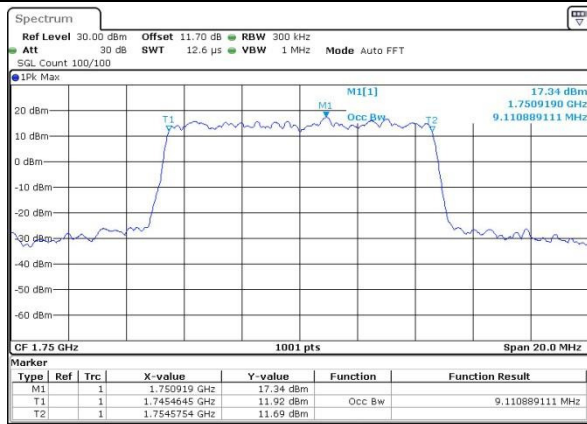
Date: 15.JUL.2016 16:54:34

Middle Channel / 10MHz / 16QAM



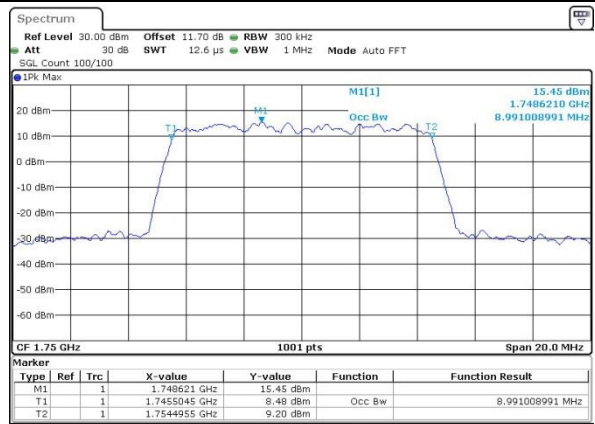
Date: 15.JUL.2016 16:54:45

Highest Channel / 10MHz / QPSK



Date: 15.JUL.2016 17:54:01

Highest Channel / 10MHz / 16QAM

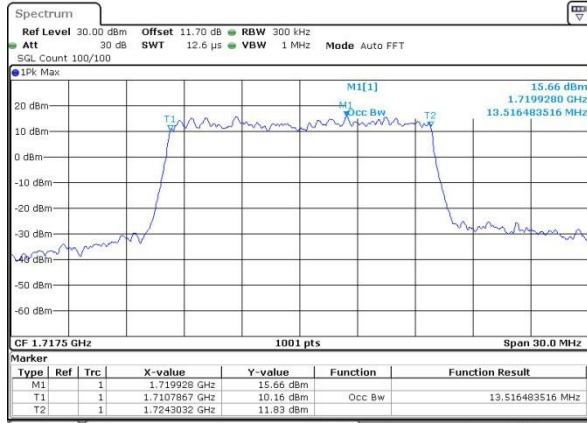


Date: 15.JUL.2016 17:54:13



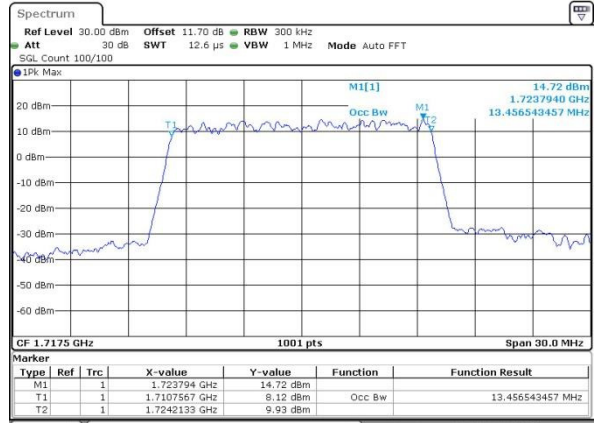
LTE Band 4

Lowest Channel / 15MHz / QPSK



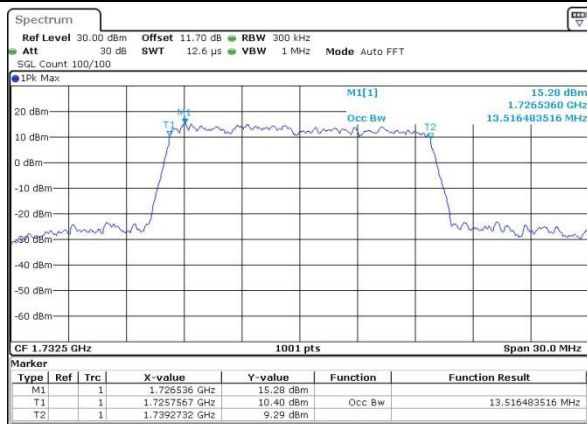
Date: 15.JUL.2016 18:01:26

Lowest Channel / 15MHz / 16QAM



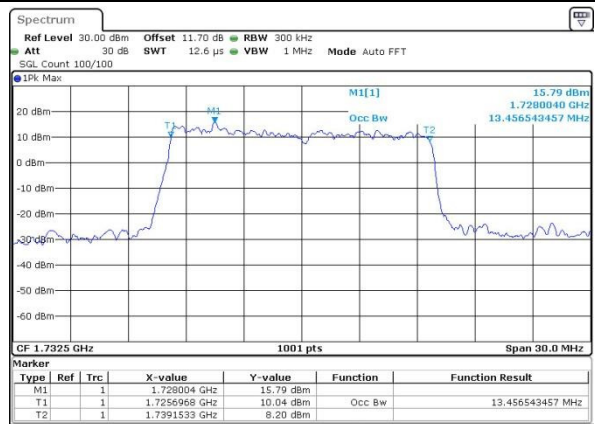
Date: 15.JUL.2016 18:01:38

Middle Channel / 15MHz / QPSK



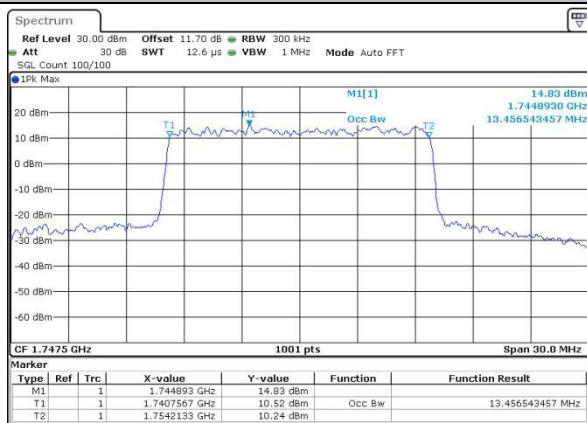
Date: 15.JUL.2016 18:08:51

Middle Channel / 15MHz / 16QAM



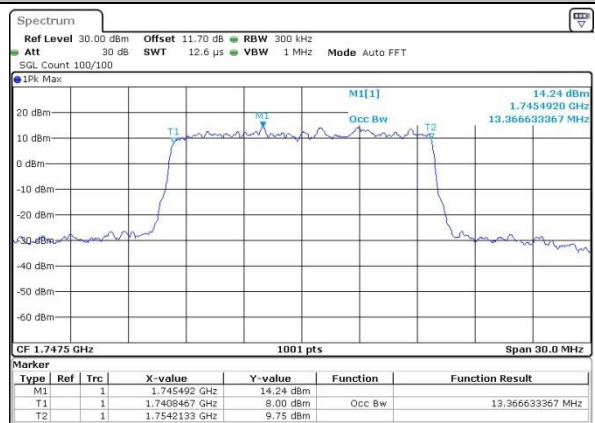
Date: 15.JUL.2016 18:09:03

Highest Channel / 15MHz / QPSK



Date: 15.JUL.2016 18:11:35

Highest Channel / 15MHz / 16QAM



Date: 15.JUL.2016 18:11:47