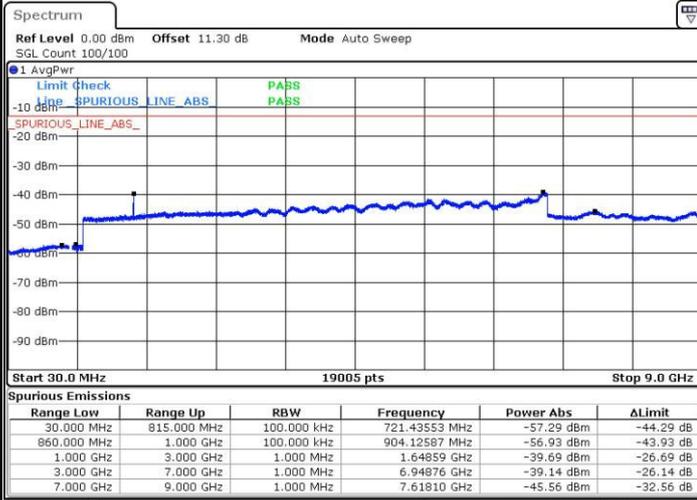




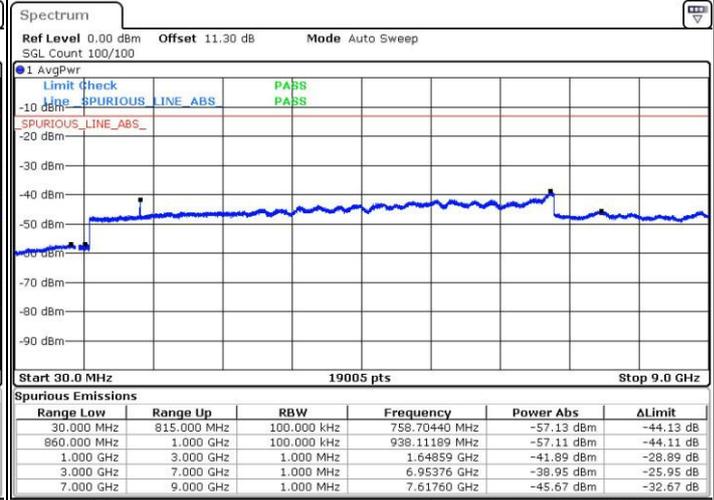
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



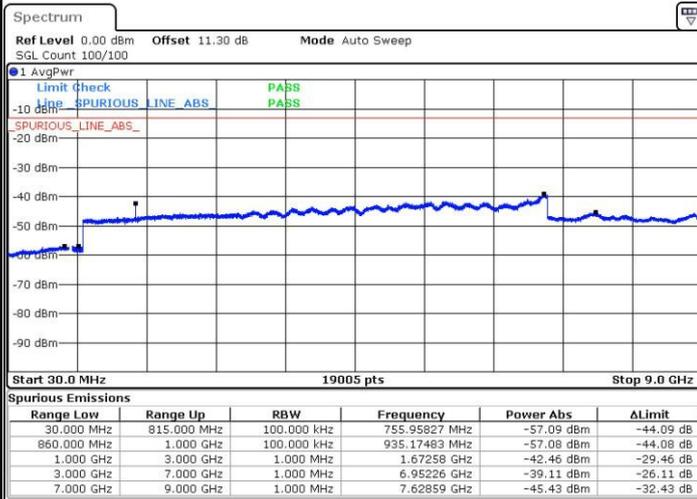
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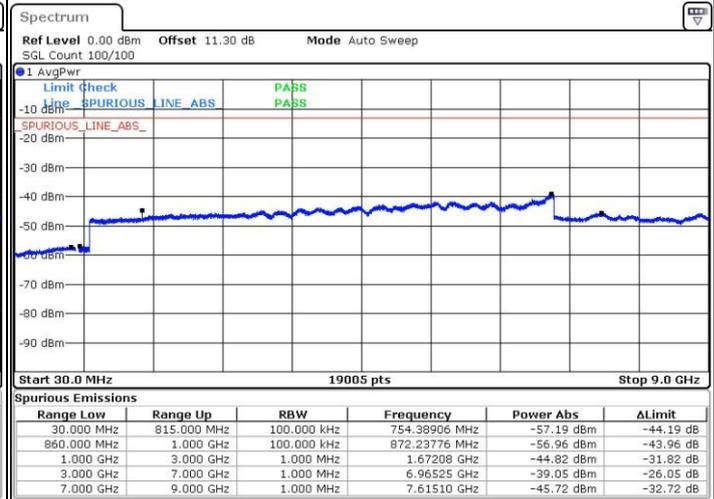
Date: 8.FEB.2016 16:23:34

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8.FEB.2016 16:25:20



Date: 8.FEB.2016 16:26:18



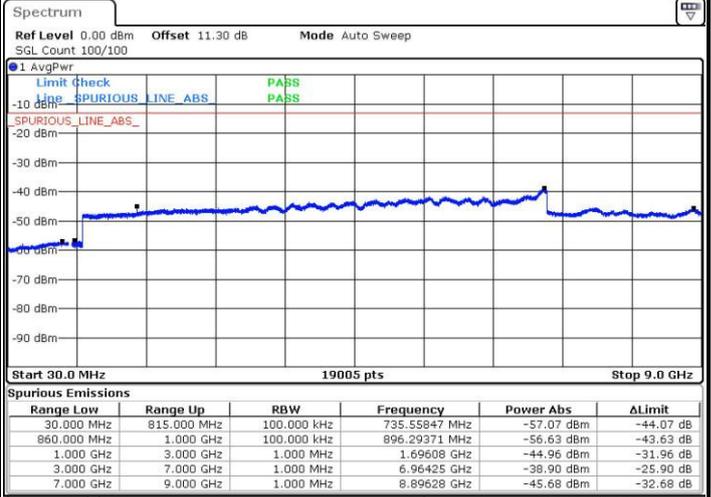
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 8.FEB.2016 16:36:13

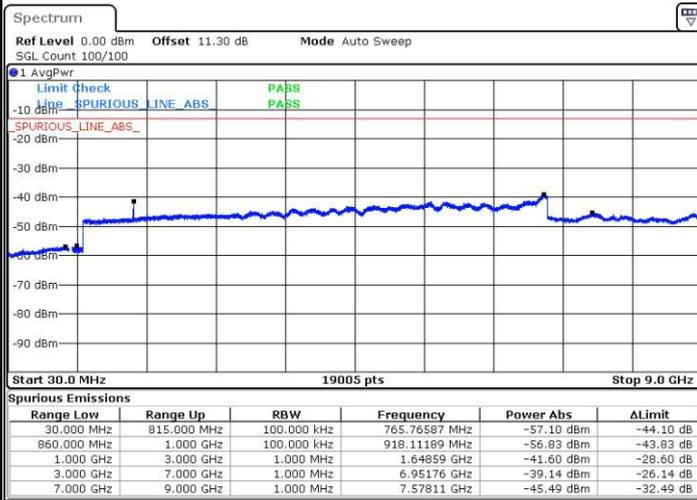
Highest Channel / 16QAM



Date: 8.FEB.2016 16:37:11

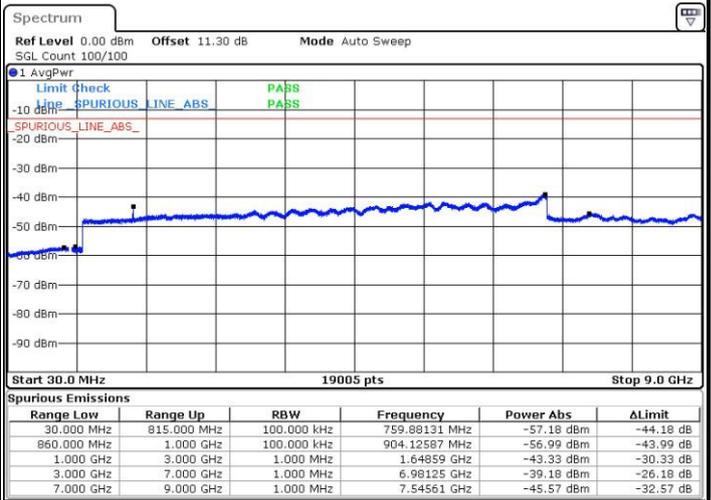
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 8.FEB.2016 14:55:13

Lowest Channel / 16QAM



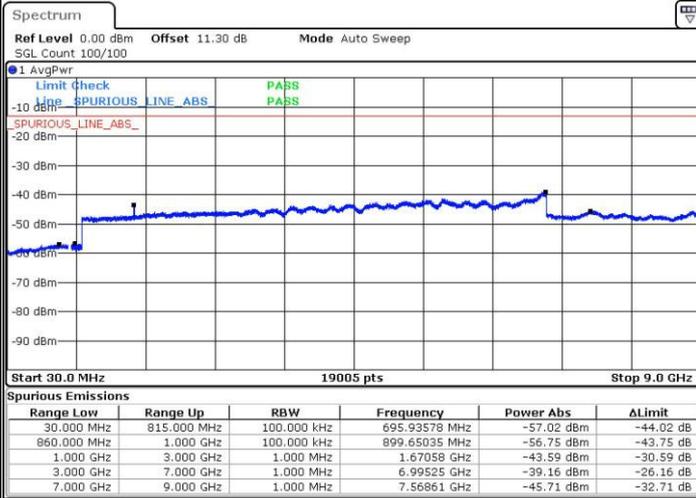
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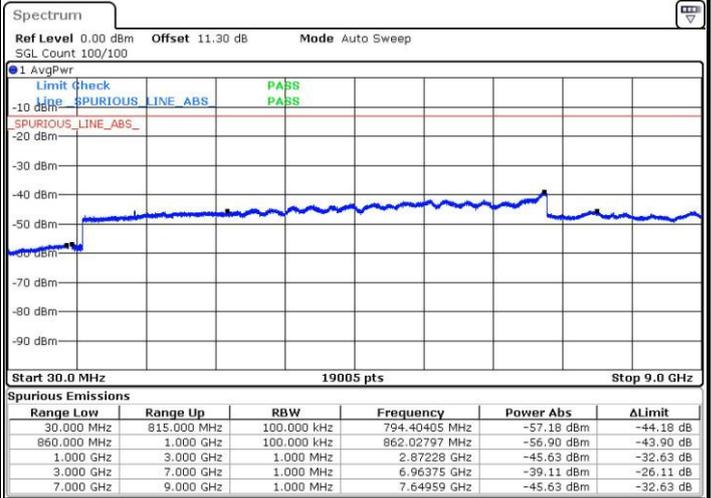
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



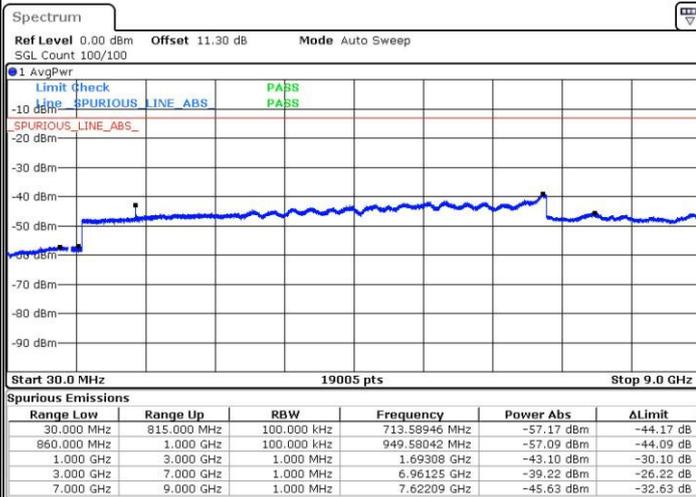
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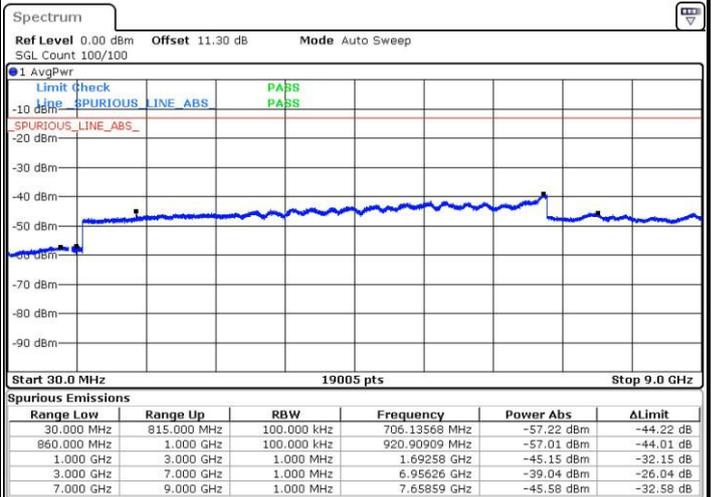
Date: 8.FEB.2016 14:58:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.FEB.2016 15:08:51



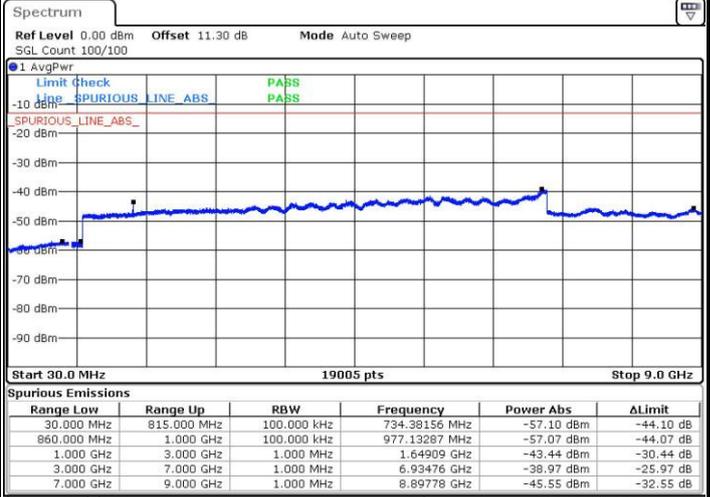
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LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

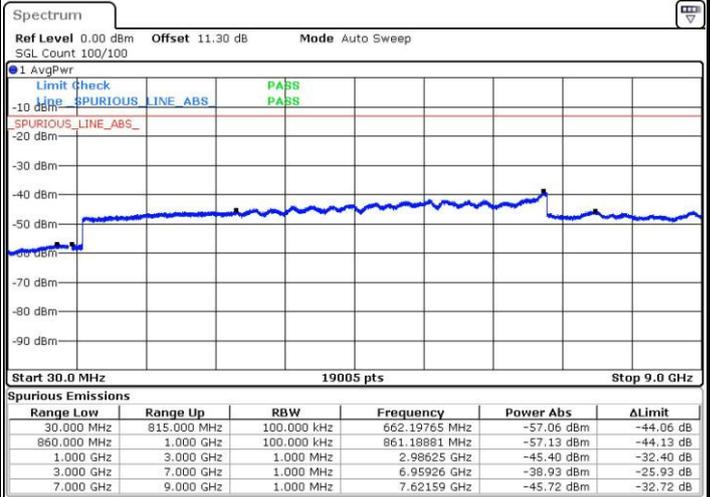


Date: 8.FEB.2016 15:19:49

Date: 8.FEB.2016 15:20:44

Middle Channel / QPSK

Middle Channel / 16QAM



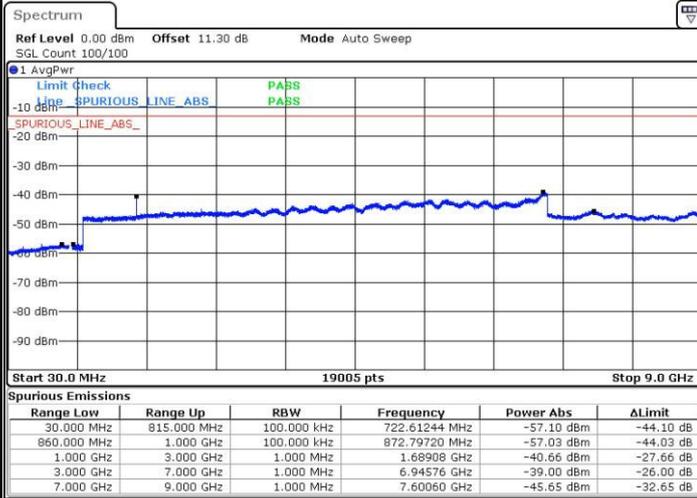
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Date: 8.FEB.2016 15:28:18



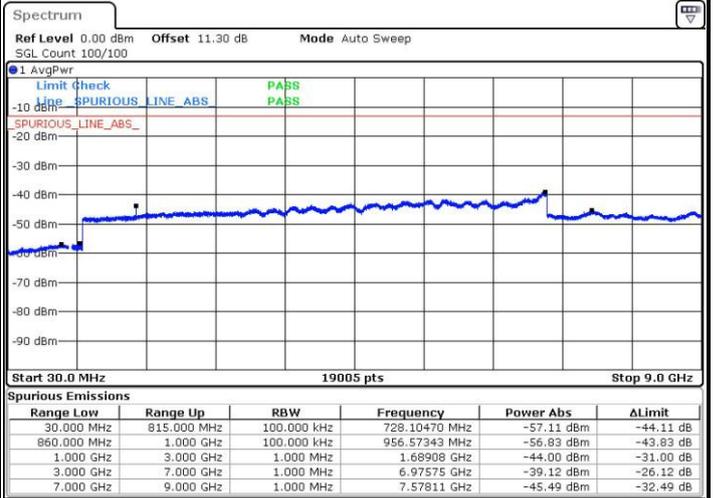
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 8.FEB.2016 15:39:00

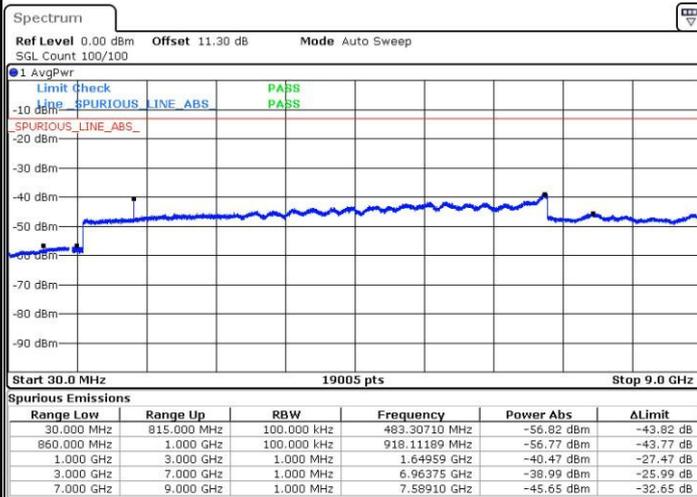
Highest Channel / 16QAM



Date: 8.FEB.2016 15:39:59

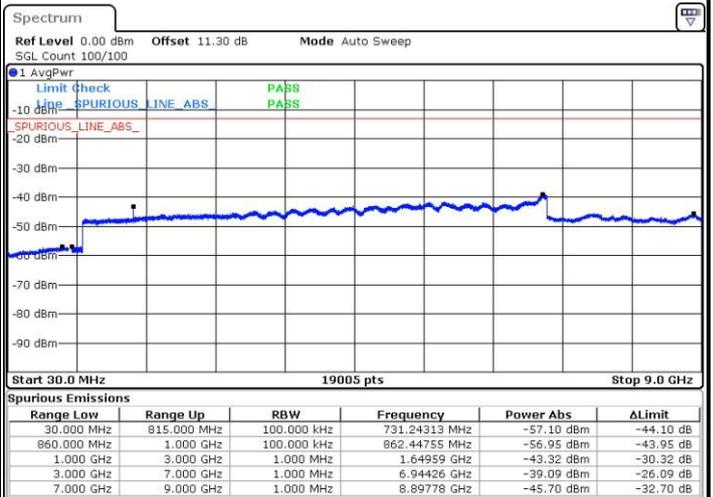
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 8.FEB.2016 15:49:54

Lowest Channel / 16QAM

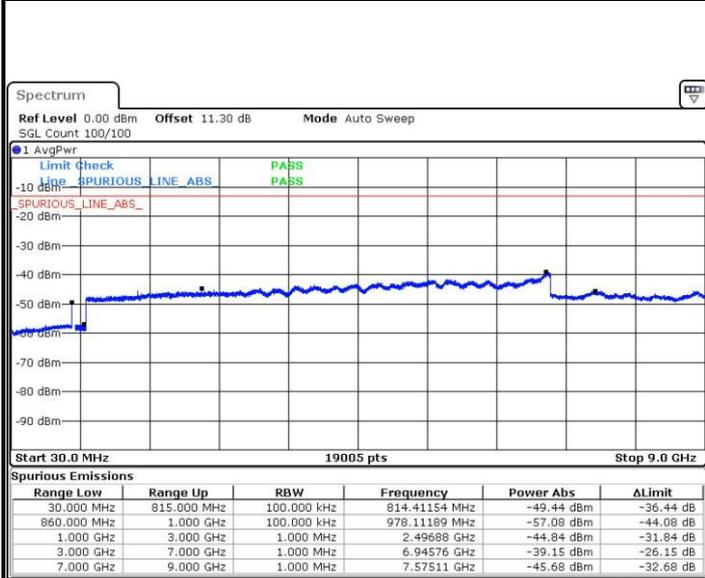


Date: 8.FEB.2016 15:50:53



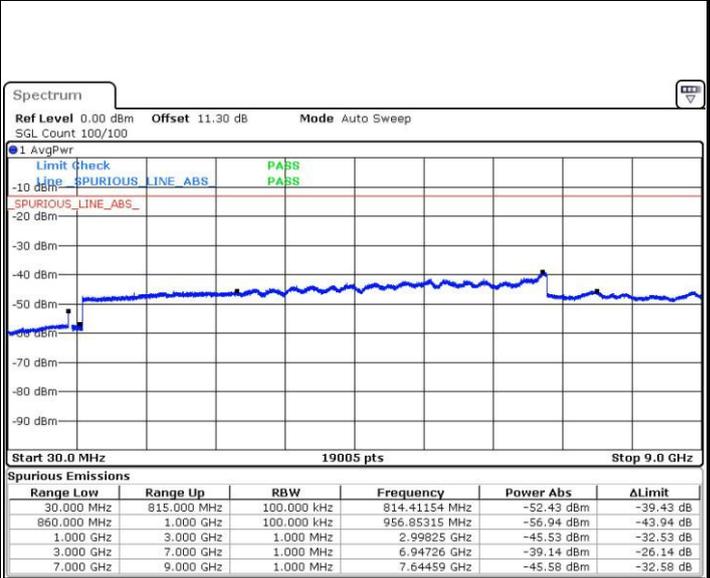
LTE Band 5 / 10MHz

Middle Channel / QPSK



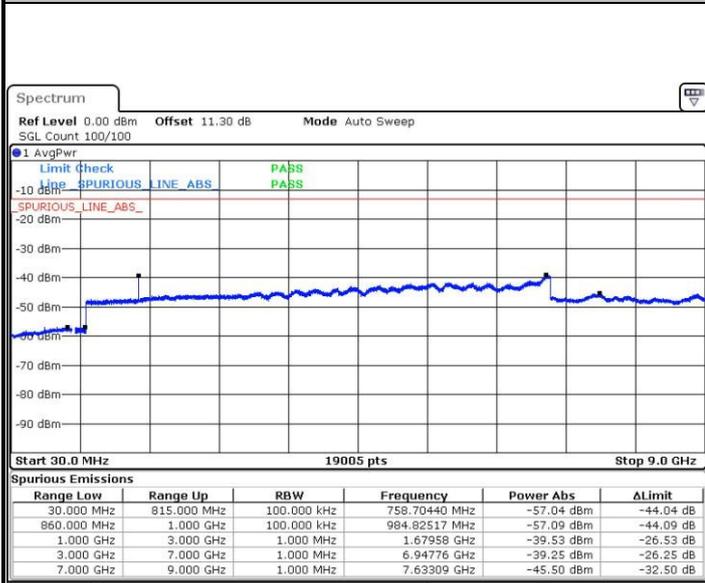
Date: 8.FEB.2016 15:52:38

Middle Channel / 16QAM



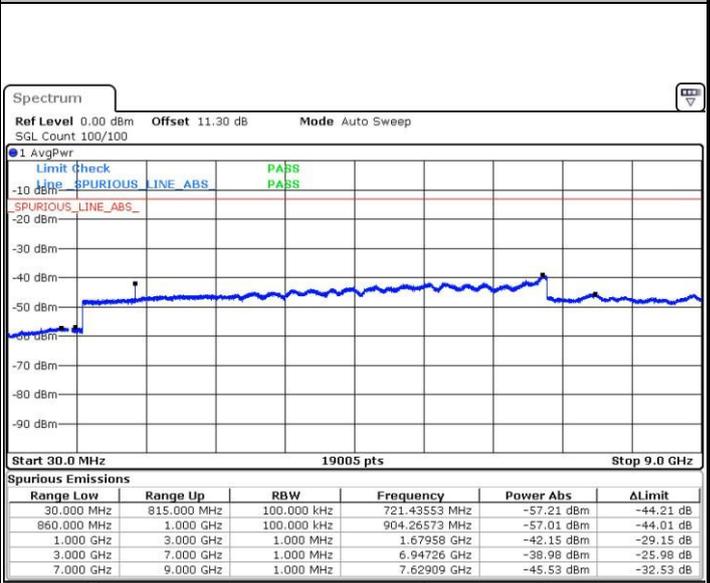
Date: 8.FEB.2016 15:53:37

Highest Channel / QPSK



Date: 8.FEB.2016 16:03:32

Highest Channel / 16QAM



Date: 8.FEB.2016 16:04:30



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0082	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.2 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

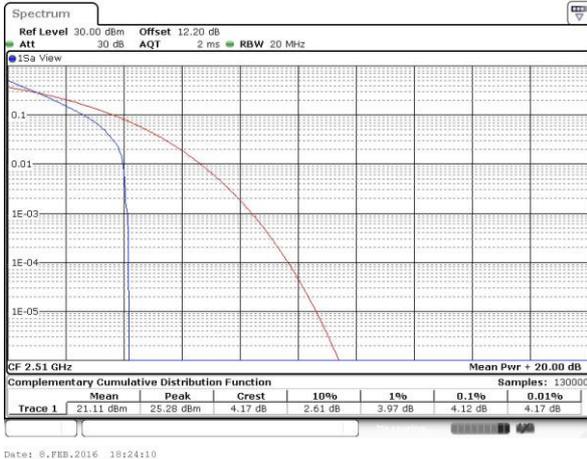
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.12	4.7	5.36	5.74	PASS
Middle CH	4.38	4.96	5.48	6	
Highest CH	4.17	5.04	5.62	6.06	



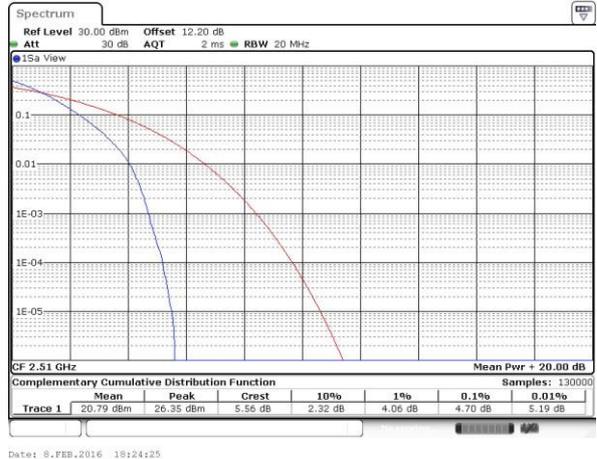
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



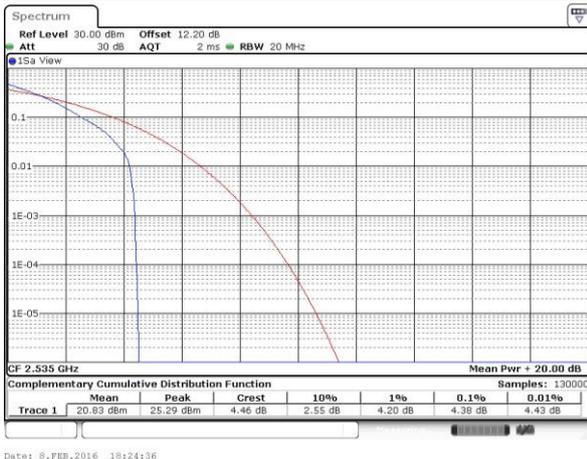
Date: 8.FEB.2016 18:24:10

Lowest Channel / Full RB



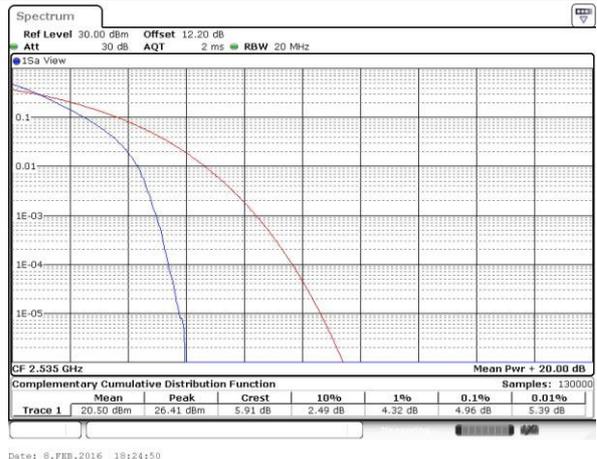
Date: 8.FEB.2016 18:24:25

Middle Channel / 1RB



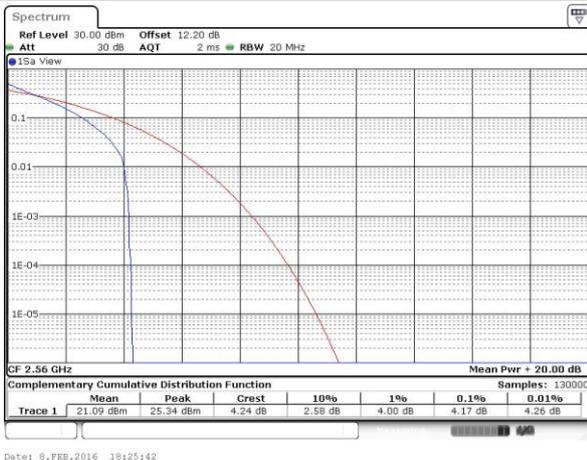
Date: 8.FEB.2016 18:24:36

Middle Channel / Full RB



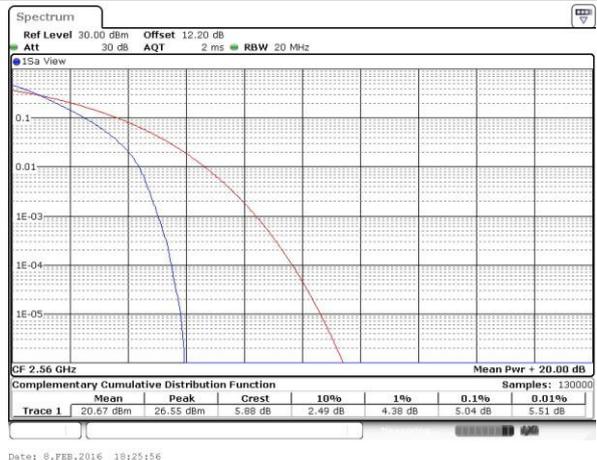
Date: 8.FEB.2016 18:24:50

Highest Channel / 1RB



Date: 8.FEB.2016 18:25:42

Highest Channel / Full RB



Date: 8.FEB.2016 18:25:56



LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



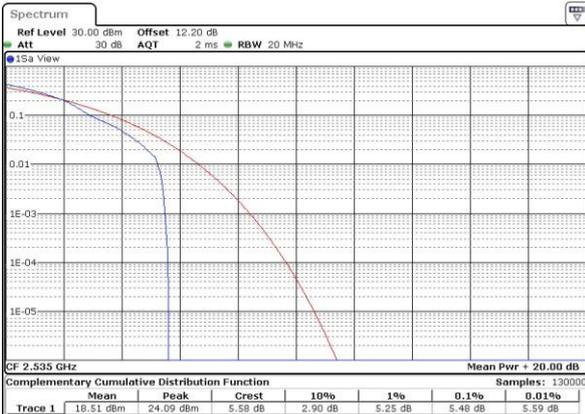
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Lowest Channel / Full RB



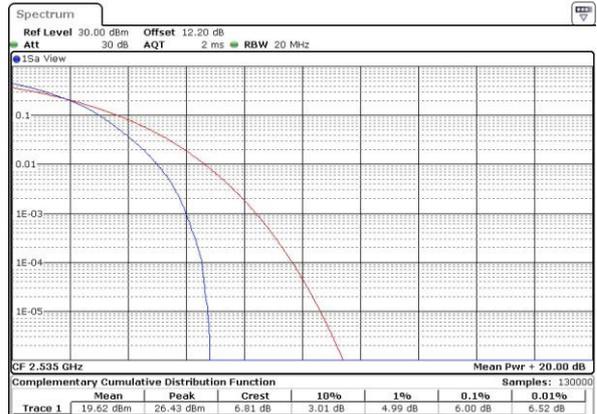
Date: 8.FEB.2016 18:19:56

Middle Channel / 1RB



Date: 8.FEB.2016 18:20:08

Middle Channel / Full RB



Date: 8.FEB.2016 18:23:33

Highest Channel / 1RB



Date: 8.FEB.2016 18:23:44

Highest Channel / Full RB



Date: 8.FEB.2016 18:23:57



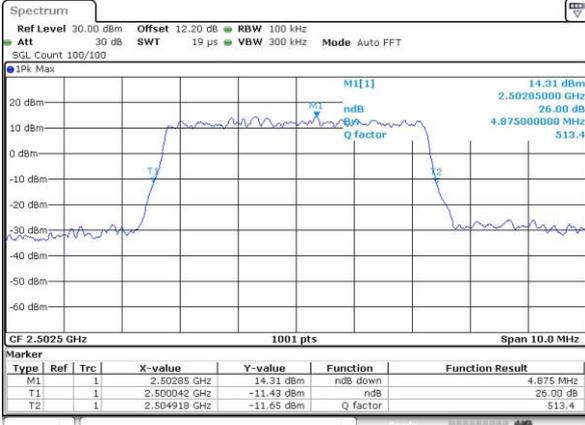
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.88	4.83	9.89	9.81	14.39	14.24	20.14	20.42
Middle CH	-	-	-	-	4.86	4.91	9.93	9.89	14.24	14.36	20.06	20.3
Highest CH	-	-	-	-	4.93	4.85	9.71	9.83	14.36	14.57	20.22	20.14



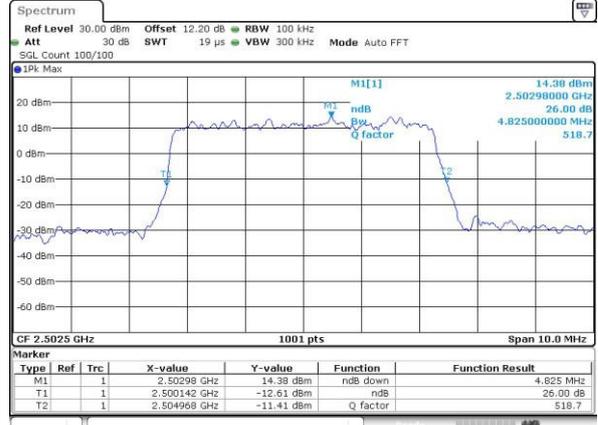
LTE Band 7

Lowest Channel / 5MHz / QPSK



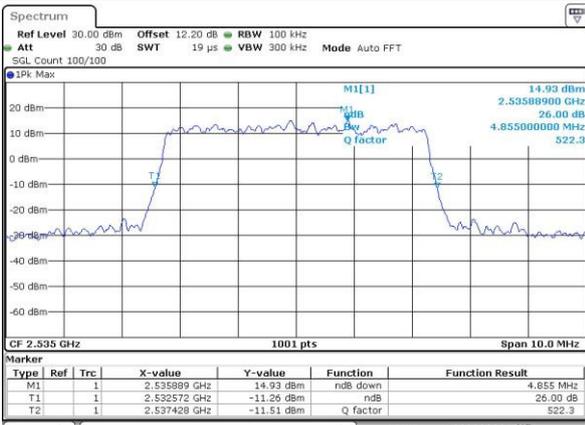
Date: 8.FEB.2016 17:06:19

Lowest Channel / 5MHz / 16QAM



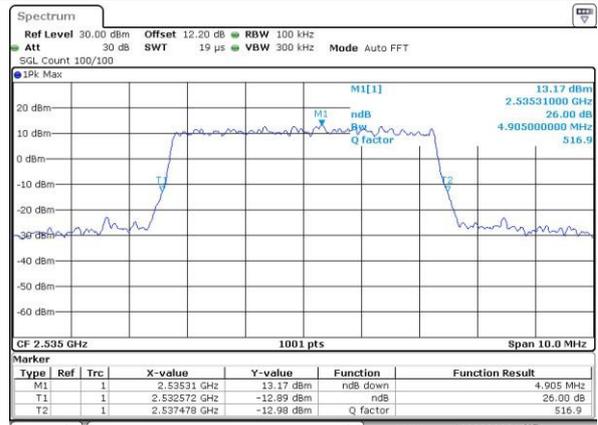
Date: 8.FEB.2016 17:06:31

Middle Channel / 5MHz / QPSK



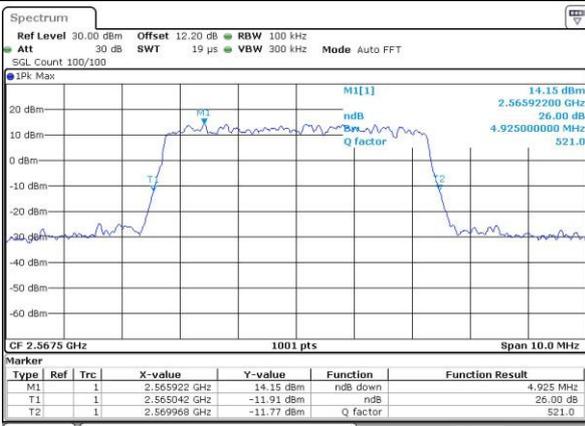
Date: 8.FEB.2016 17:13:42

Middle Channel / 5MHz / 16QAM



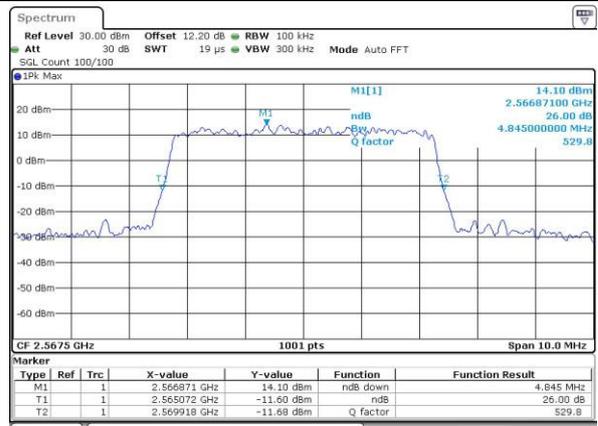
Date: 8.FEB.2016 17:13:53

Highest Channel / 5MHz / QPSK



Date: 8.FEB.2016 17:16:24

Highest Channel / 5MHz / 16QAM

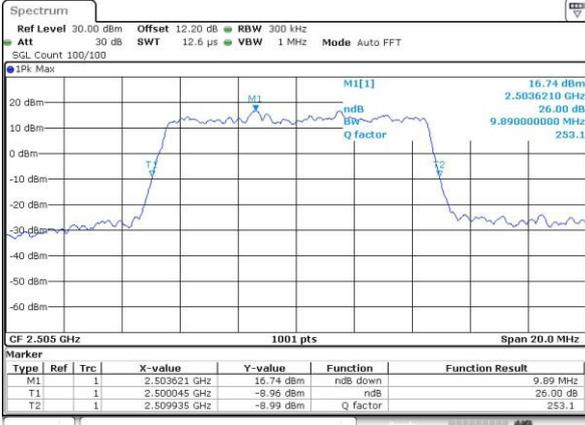


Date: 8.FEB.2016 17:16:36



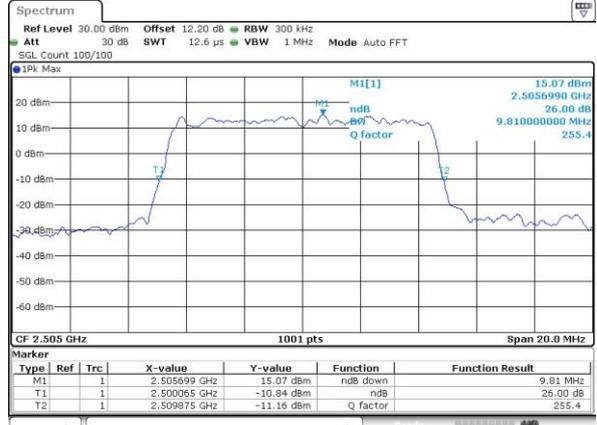
LTE Band 7

Lowest Channel / 10MHz / QPSK



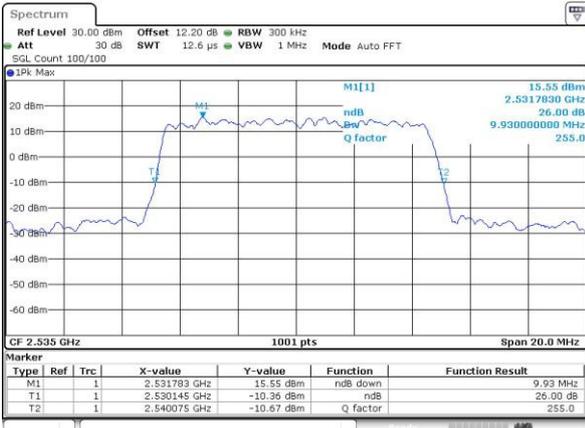
Date: 8.FEB.2016 17:23:46

Lowest Channel / 10MHz / 16QAM



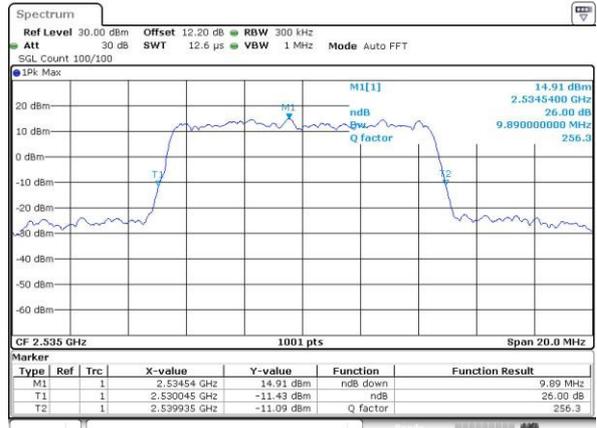
Date: 8.FEB.2016 17:23:57

Middle Channel / 10MHz / QPSK



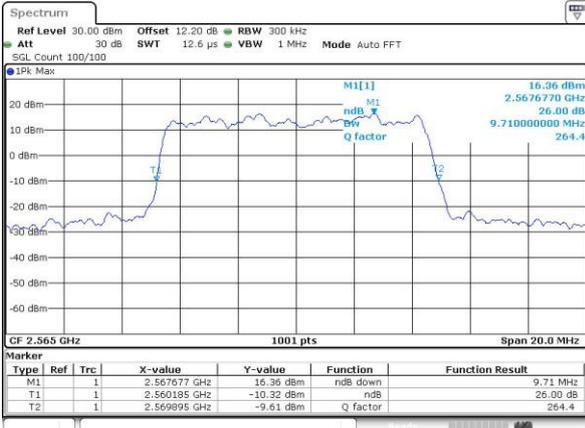
Date: 8.FEB.2016 17:31:07

Middle Channel / 10MHz / 16QAM



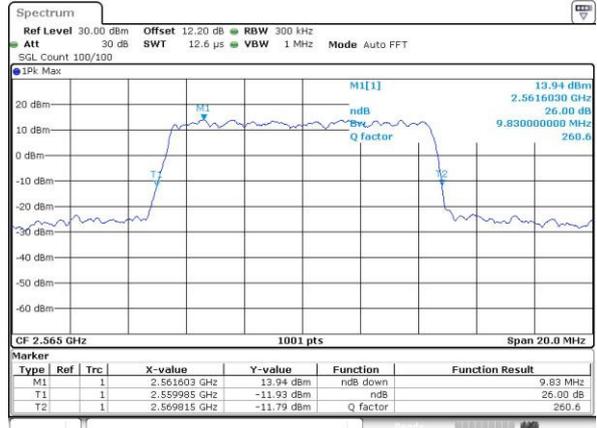
Date: 8.FEB.2016 17:31:19

Highest Channel / 10MHz / QPSK



Date: 8.FEB.2016 17:33:49

Highest Channel / 10MHz / 16QAM

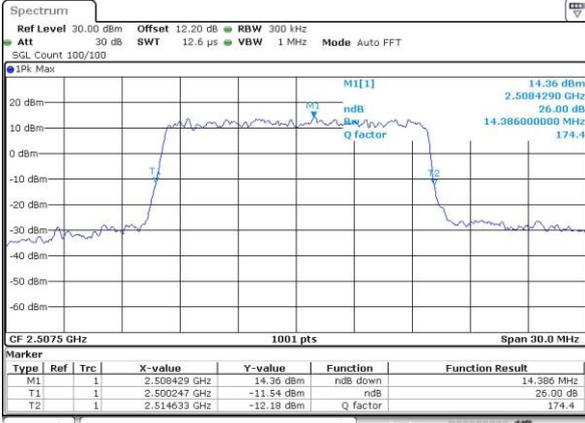


Date: 8.FEB.2016 17:34:01



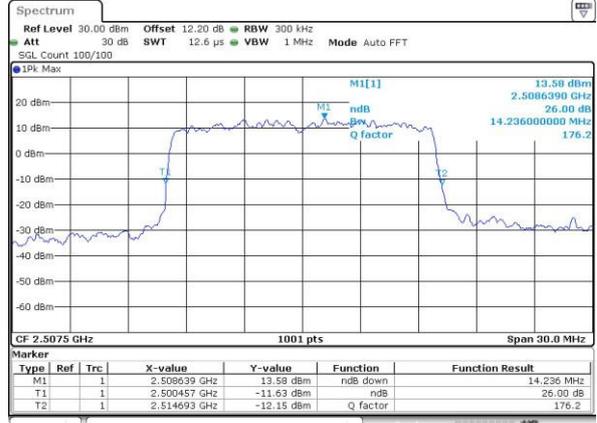
LTE Band 7

Lowest Channel / 15MHz / QPSK



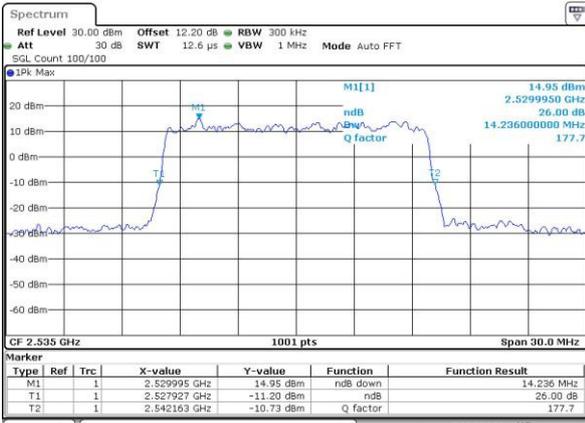
Date: 8.FEB.2016 17:41:11

Lowest Channel / 15MHz / 16QAM



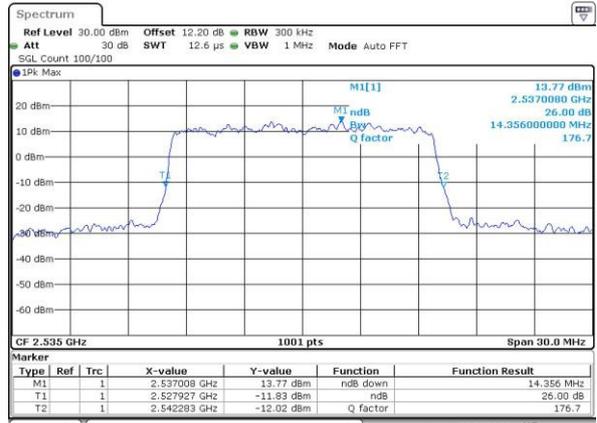
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Middle Channel / 15MHz / QPSK



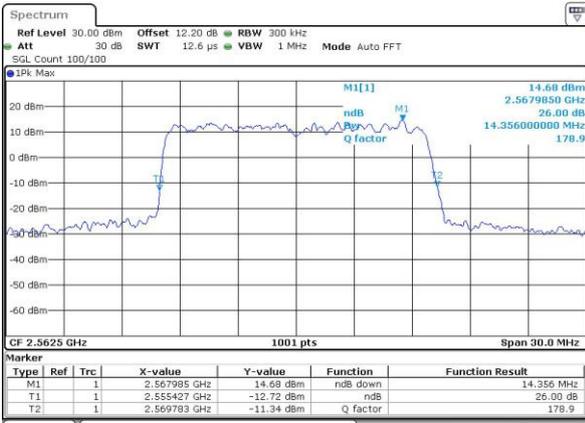
Date: 8.FEB.2016 17:48:33

Middle Channel / 15MHz / 16QAM



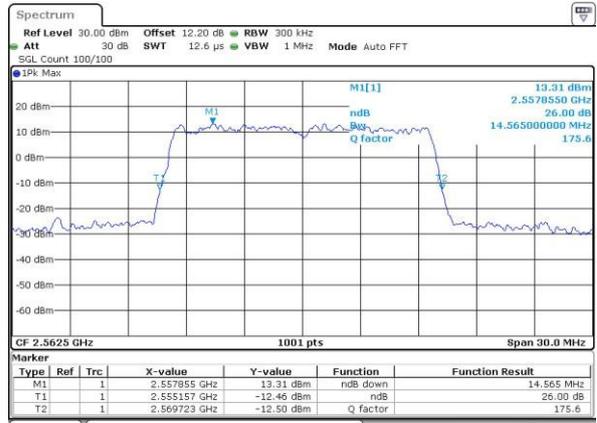
Date: 8.FEB.2016 17:48:44

Highest Channel / 15MHz / QPSK



Date: 8.FEB.2016 17:51:15

Highest Channel / 15MHz / 16QAM

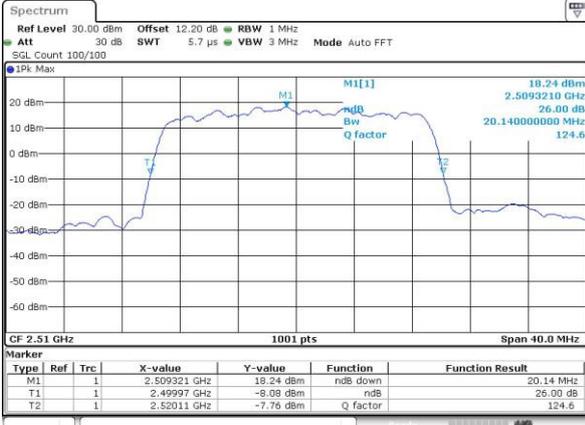


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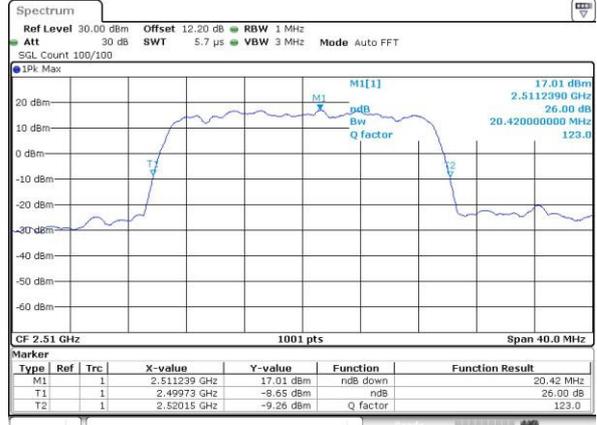
LTE Band 7

Lowest Channel / 20MHz / QPSK



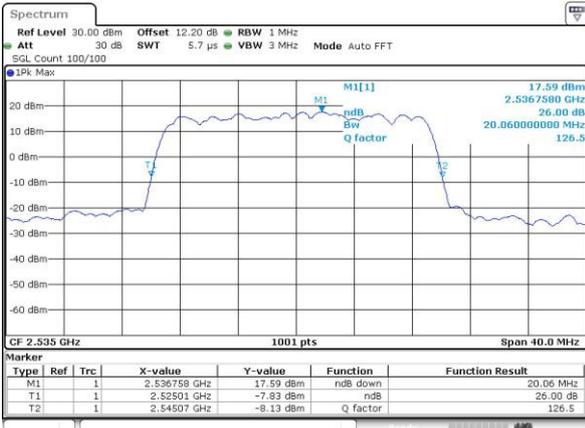
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Lowest Channel / 20MHz / 16QAM



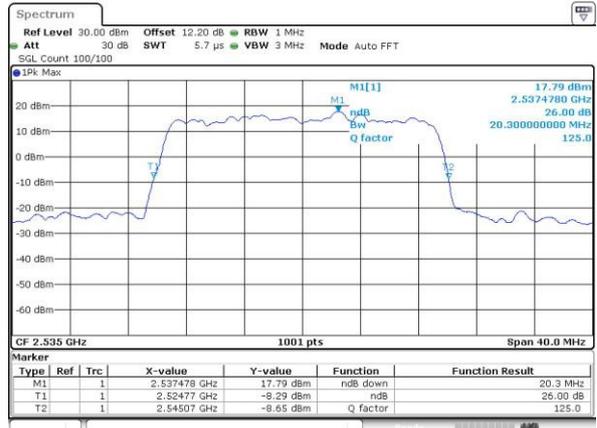
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Middle Channel / 20MHz / QPSK



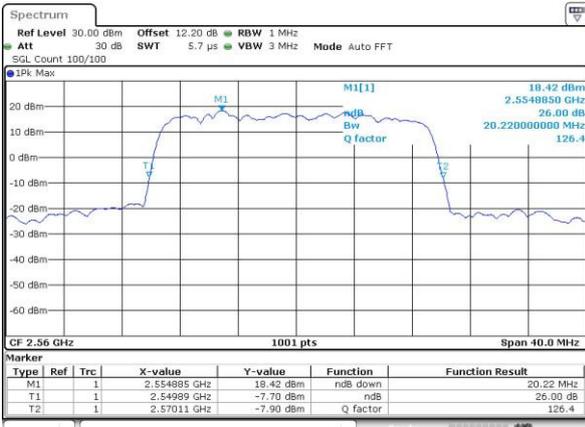
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Middle Channel / 20MHz / 16QAM



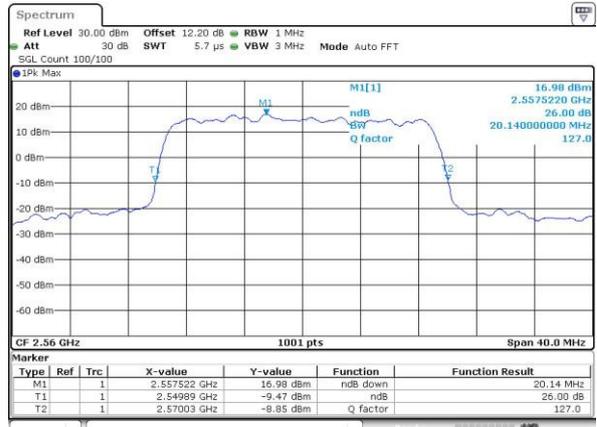
Date: 8.FEB.2016 18:06:09

Highest Channel / 20MHz / QPSK



Date: 8.FEB.2016 18:08:40

Highest Channel / 20MHz / 16QAM



Date: 8.FEB.2016 18:08:51



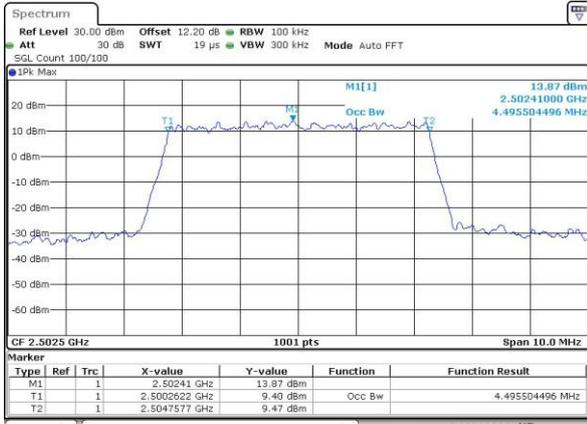
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.5	4.48	8.95	9.01	13.4	13.4	18.3	18.26
Middle CH	-	-	-	-	4.47	4.48	8.97	8.99	13.37	13.43	18.26	18.34
Highest CH	-	-	-	-	4.47	4.49	9.07	9.01	13.49	13.4	18.42	18.22



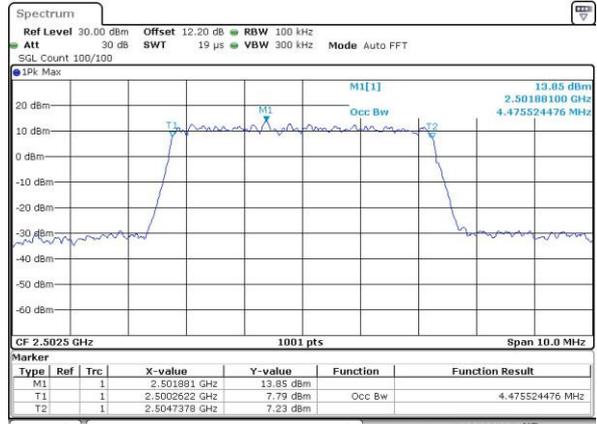
LTE Band 7

Lowest Channel / 5MHz / QPSK



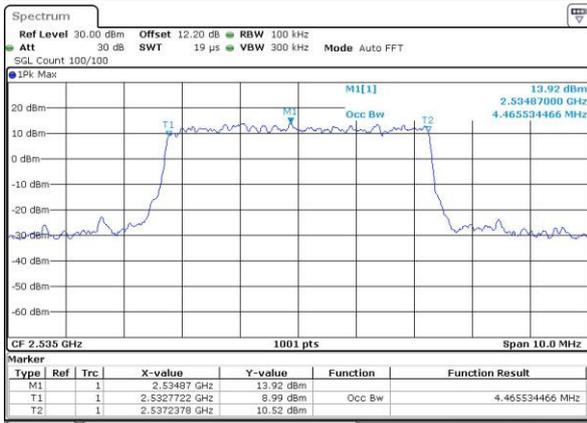
Date: 8.FEB.2016 17:05:56

Lowest Channel / 5MHz / 16QAM



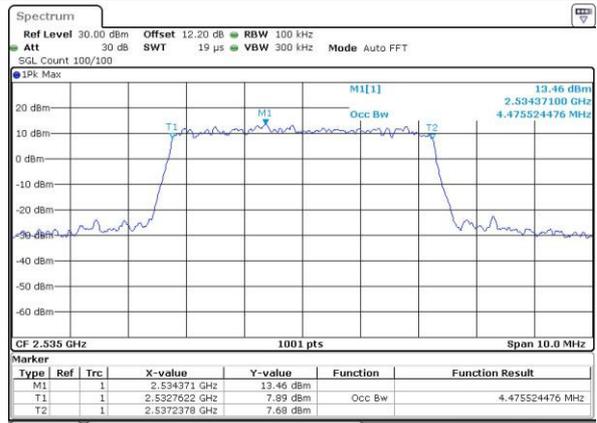
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Middle Channel / 5MHz / QPSK



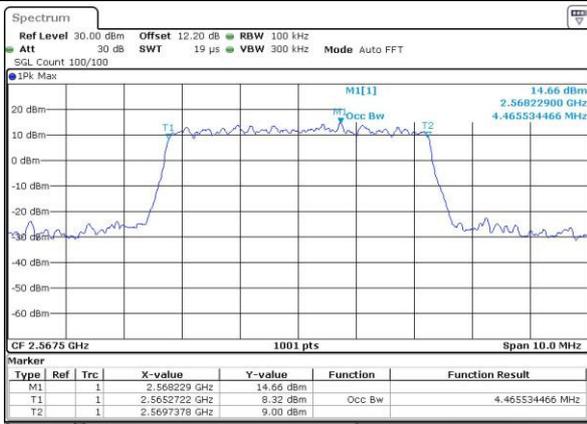
Date: 8.FEB.2016 17:13:18

Middle Channel / 5MHz / 16QAM



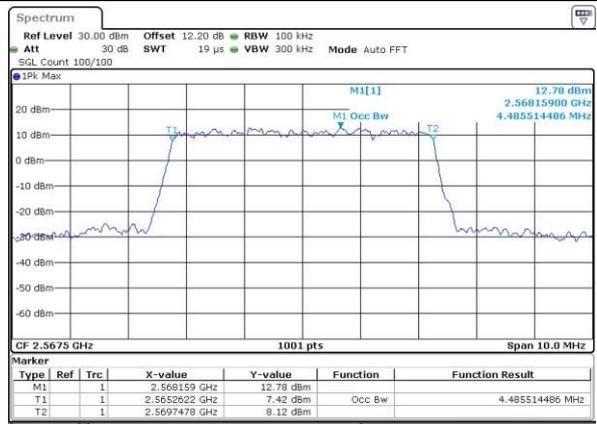
Date: 8.FEB.2016 17:13:30

Highest Channel / 5MHz / QPSK



Date: 8.FEB.2016 17:16:01

Highest Channel / 5MHz / 16QAM

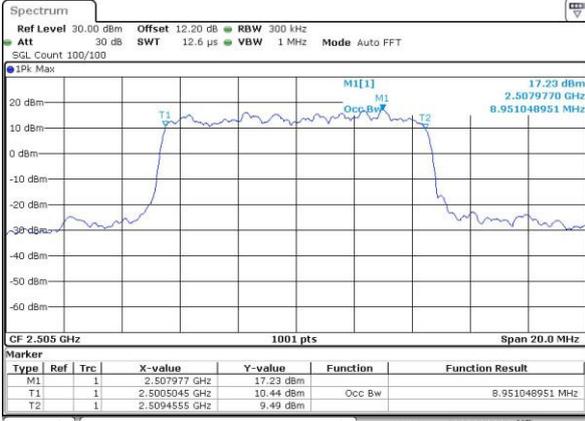


Date: 8.FEB.2016 17:16:12



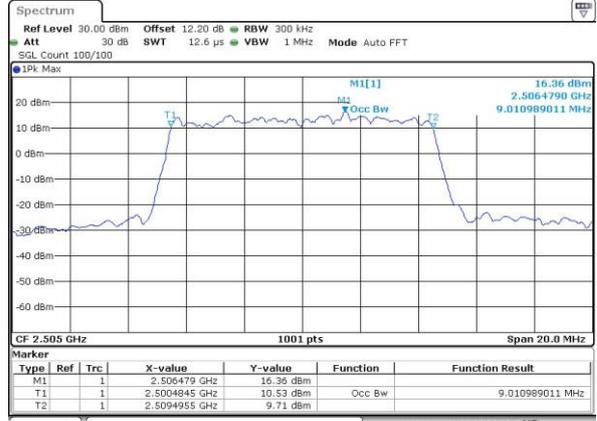
LTE Band 7

Lowest Channel / 10MHz / QPSK



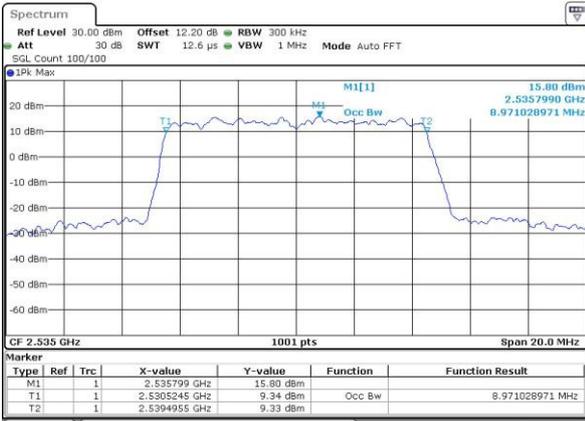
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Lowest Channel / 10MHz / 16QAM



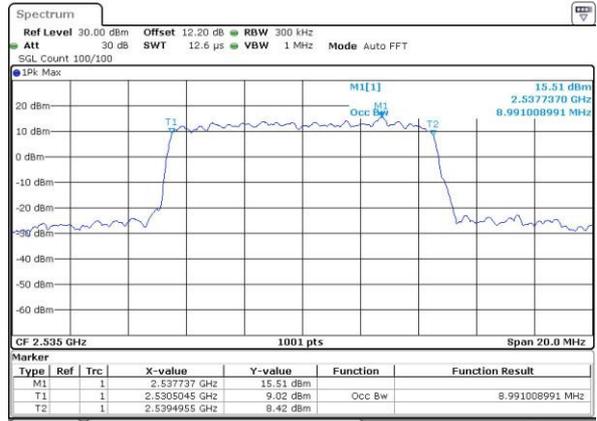
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Middle Channel / 10MHz / QPSK



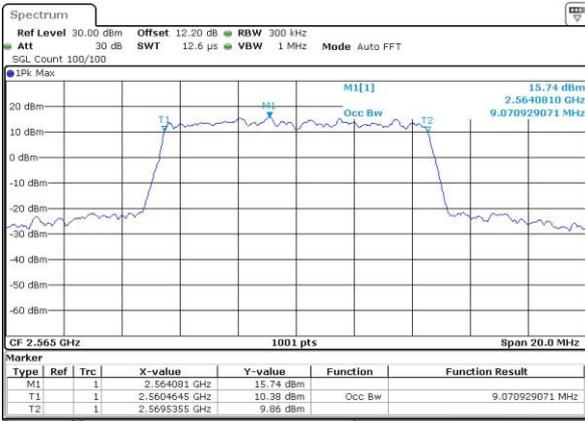
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Middle Channel / 10MHz / 16QAM



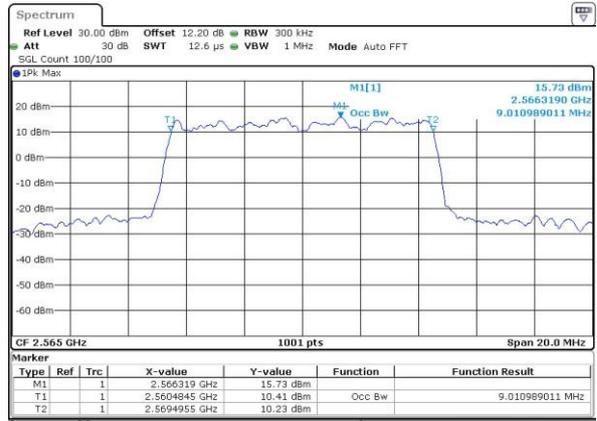
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Highest Channel / 10MHz / QPSK



Date: 8.FEB.2016 17:33:26

Highest Channel / 10MHz / 16QAM

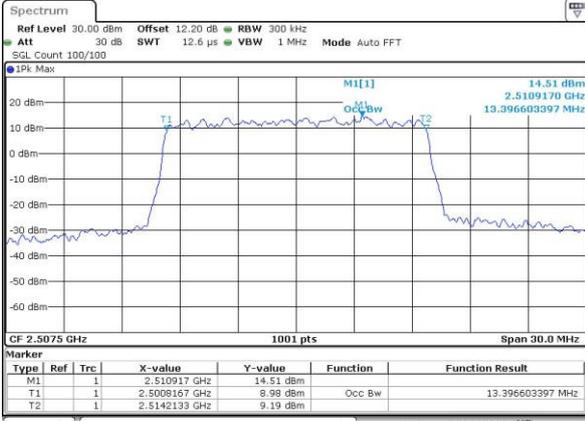


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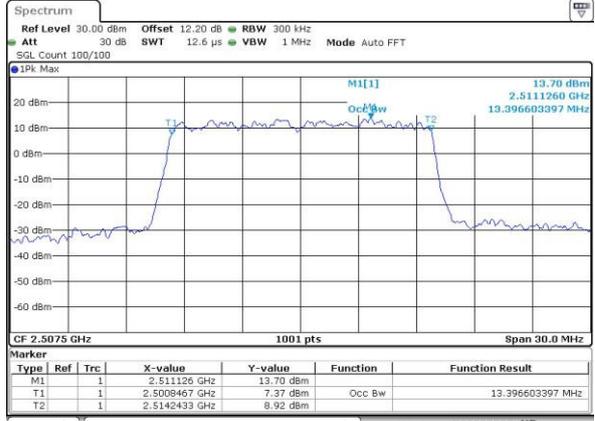
LTE Band 7

Lowest Channel / 15MHz / QPSK



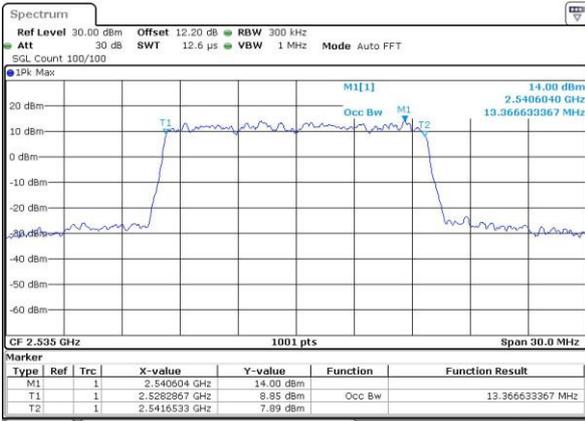
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Lowest Channel / 15MHz / 16QAM



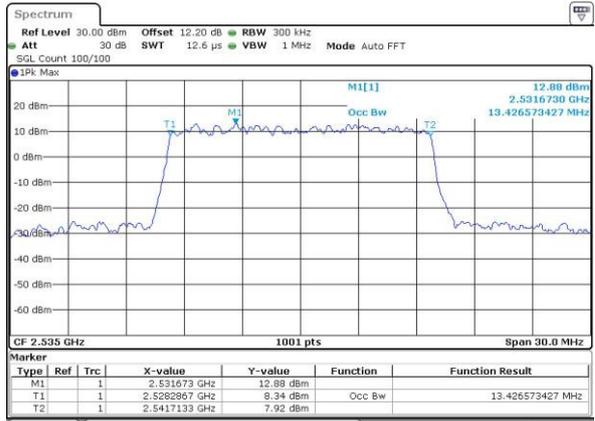
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Middle Channel / 15MHz / QPSK



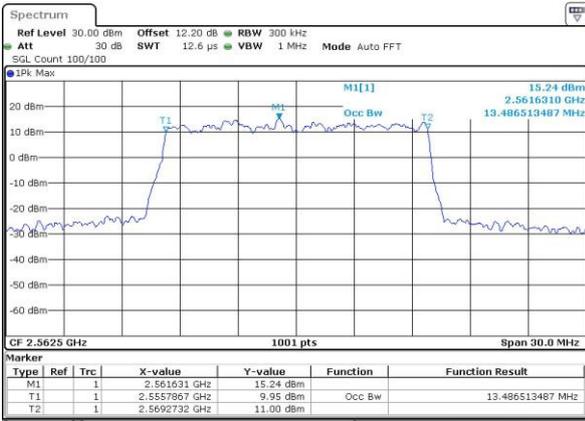
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Middle Channel / 15MHz / 16QAM



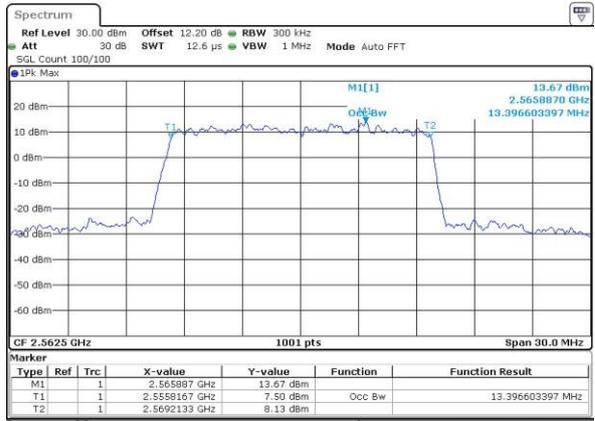
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Highest Channel / 15MHz / QPSK



Date: 8.FEB.2016 17:50:52

Highest Channel / 15MHz / 16QAM



Date: 8.FEB.2016 17:51:03