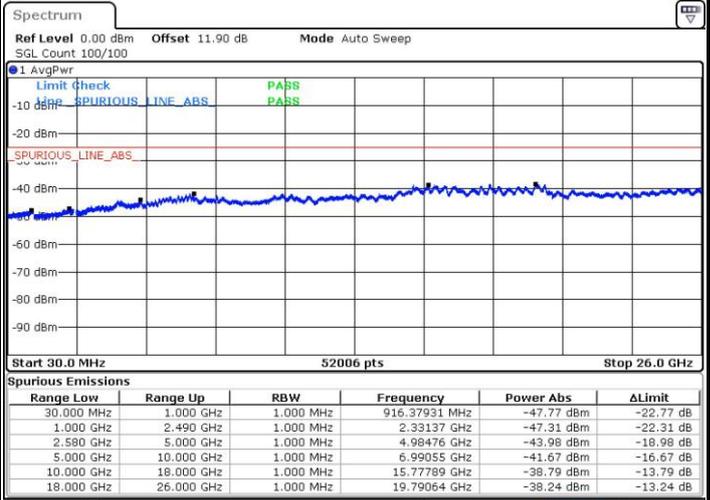
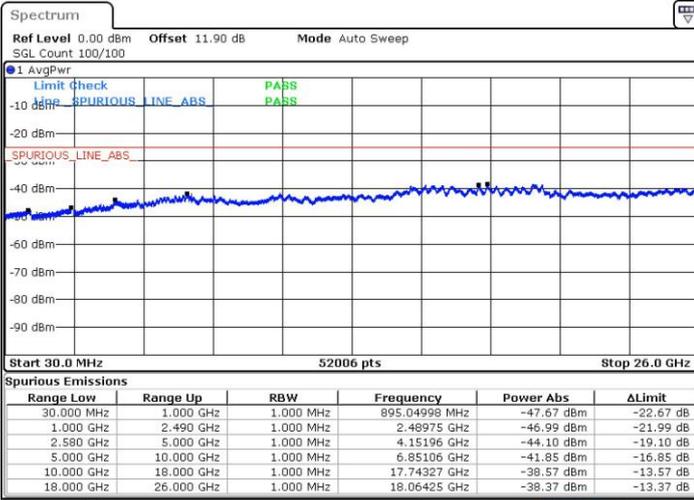




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

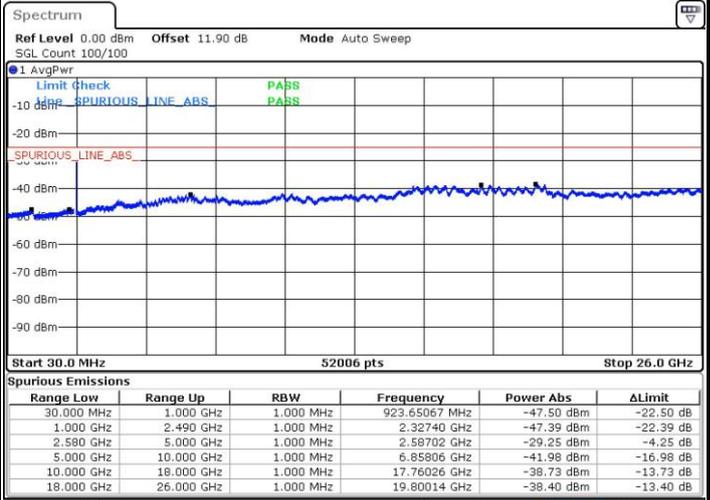
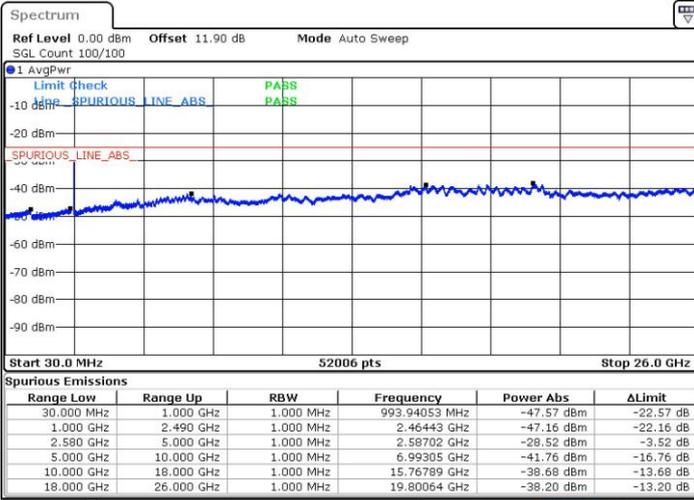


Date: 15.DEC.2016 22:17:39

Date: 15.DEC.2016 22:18:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.DEC.2016 22:24:46

Date: 15.DEC.2016 22:25:40



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0142	PASS
40	Normal Voltage	0.0148	
30	Normal Voltage	0.0148	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0148	
-10	Normal Voltage	0.0144	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0145	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0136	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

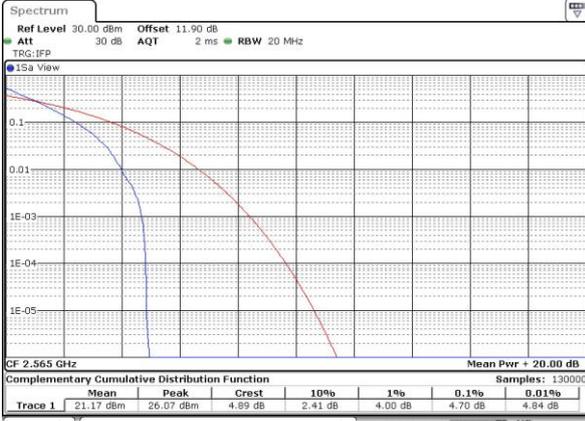
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.7	5.3	5.42	6.17	PASS
Middle CH	4.58	5.28	5.74	6.12	
Highest CH	4.7	5.3	5.39	6.23	



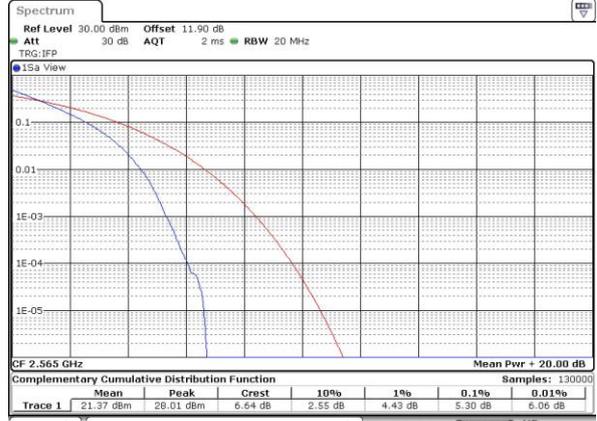
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



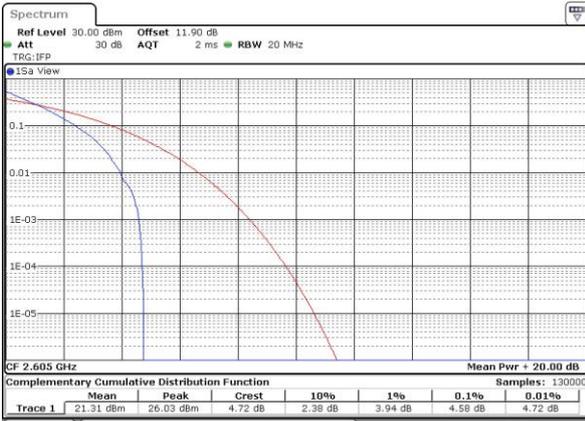
Date: 16 DEC 2016 00:12:31

Lowest Channel / Full RB



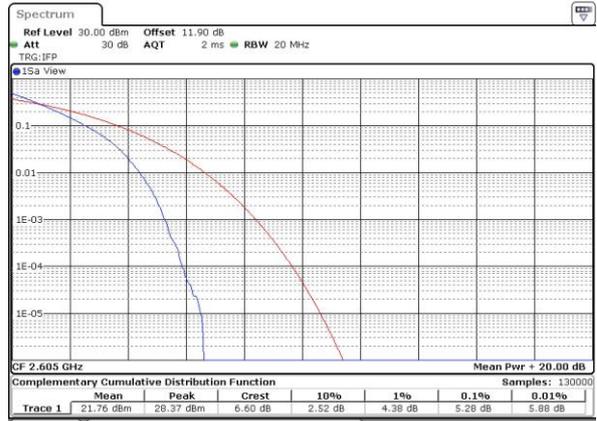
Date: 16 DEC 2016 00:13:02

Middle Channel / 1RB



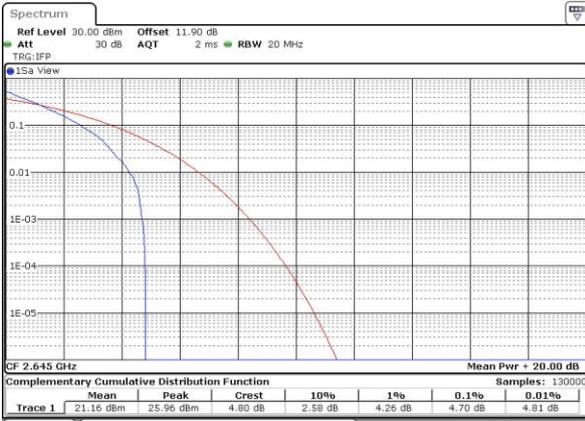
Date: 16 DEC 2016 00:14:38

Middle Channel / Full RB



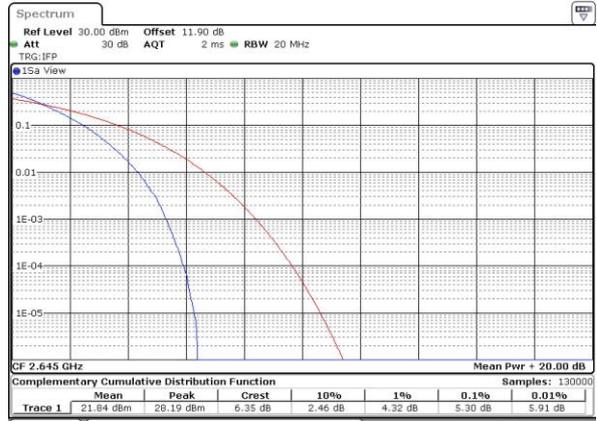
Date: 16 DEC 2016 00:14:15

Highest Channel / 1RB



Date: 16 DEC 2016 00:15:41

Highest Channel / Full RB

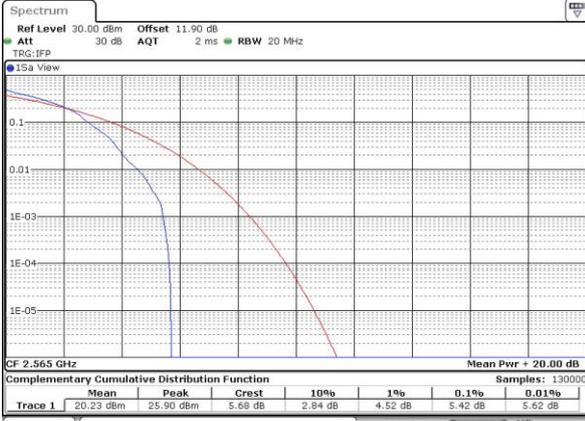


Date: 16 DEC 2016 00:16:05



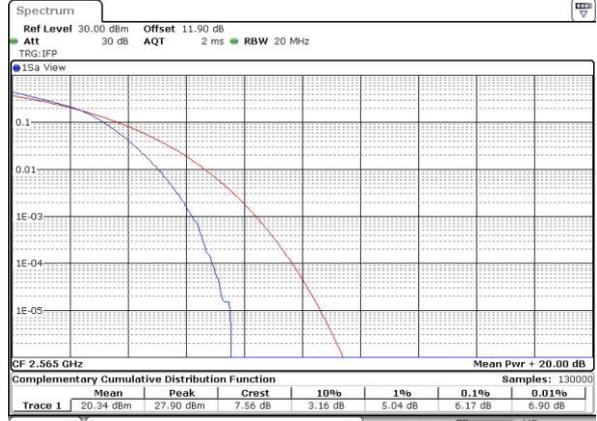
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



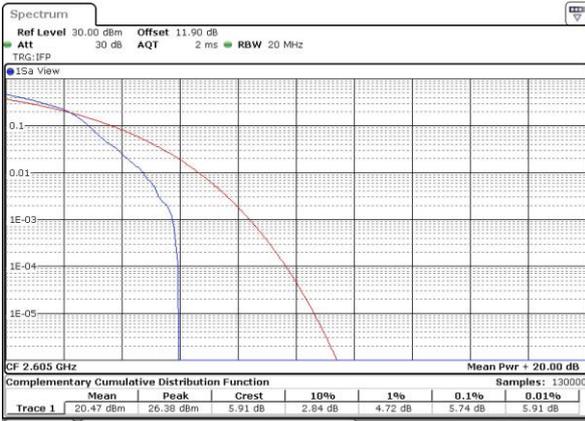
Date: 16 DEC 2016 00:11:39

Lowest Channel / Full RB



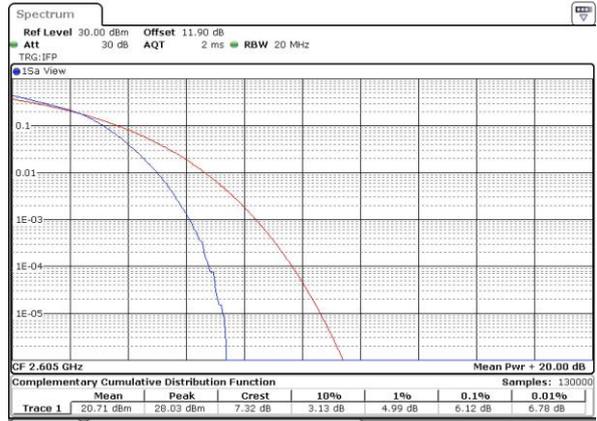
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Middle Channel / 1RB



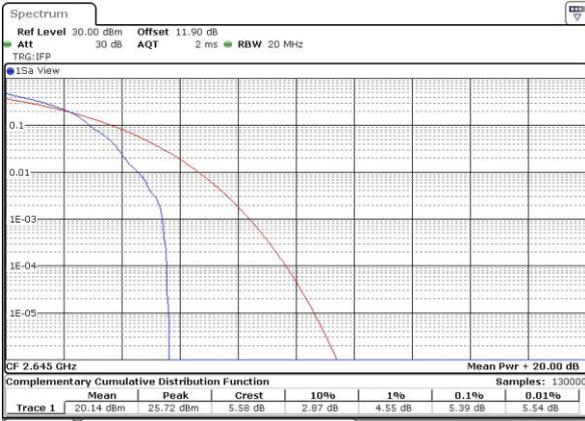
Date: 16 DEC 2016 00:14:58

Middle Channel / Full RB



Date: 16 DEC 2016 00:13:52

Highest Channel / 1RB



Date: 16 DEC 2016 00:15:19

Highest Channel / Full RB



Date: 16 DEC 2016 00:17:05



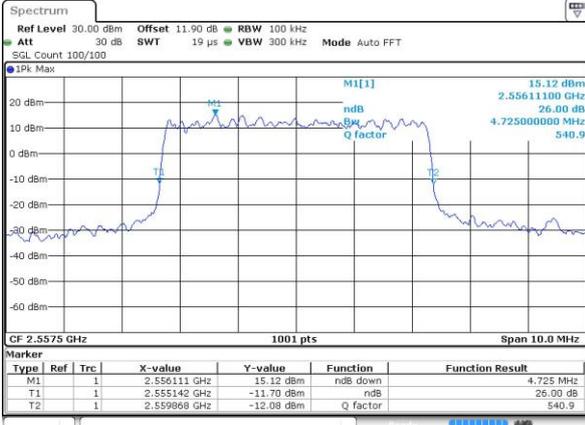
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.725	5.025	9.81	9.73	14.296	14.386	20.06	20.06
Middle CH	-	-	-	-	4.855	4.965	9.99	9.63	14.266	14.446	20.14	20.22
Highest CH	-	-	-	-	5.015	4.925	9.67	9.81	14.386	14.625	20.26	20.22



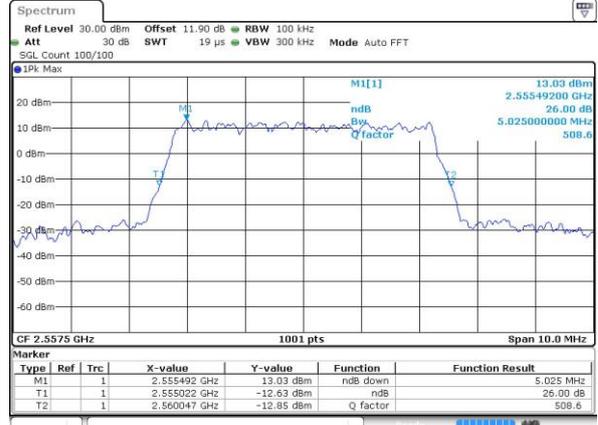
LTE Band 41

Lowest Channel / 5MHz / QPSK



Date: 15 DEC 2016 22:57:43

Lowest Channel / 5MHz / 16QAM



Date: 15 DEC 2016 22:57:53

Middle Channel / 5MHz / QPSK



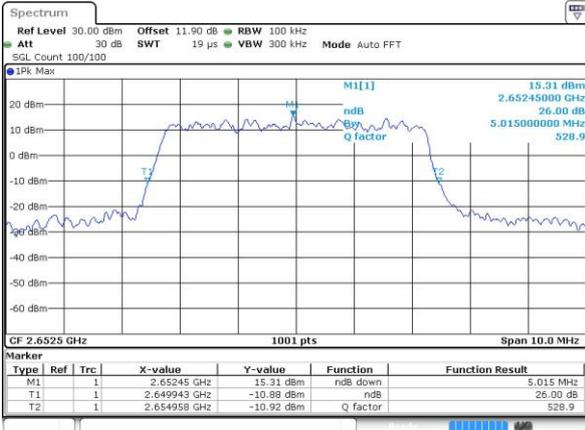
Date: 15 DEC 2016 22:58:24

Middle Channel / 5MHz / 16QAM



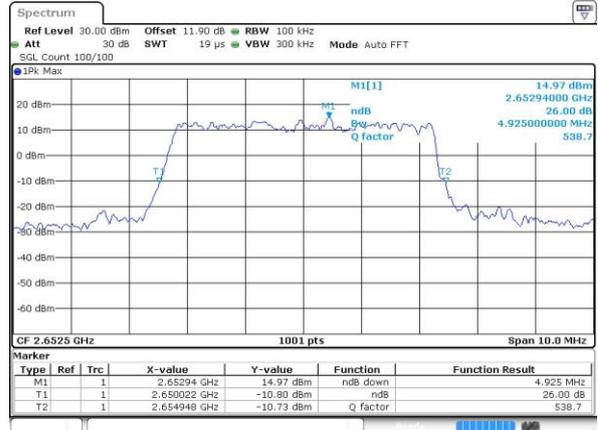
Date: 15 DEC 2016 22:58:34

Highest Channel / 5MHz / QPSK



Date: 15 DEC 2016 22:59:05

Highest Channel / 5MHz / 16QAM

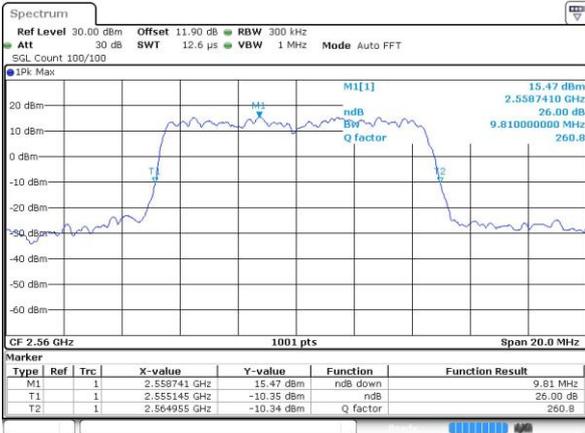


Date: 15 DEC 2016 22:59:16



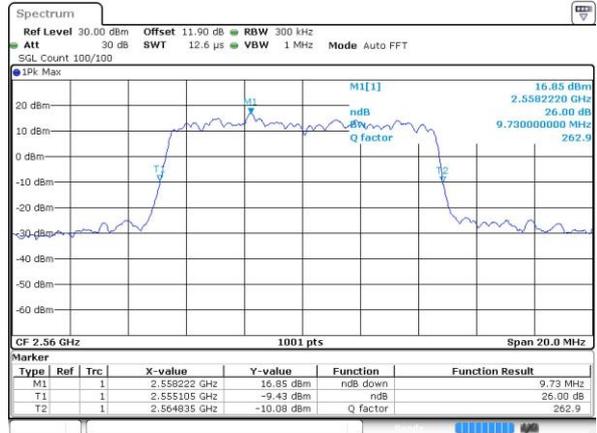
LTE Band 41

Lowest Channel / 10MHz / QPSK



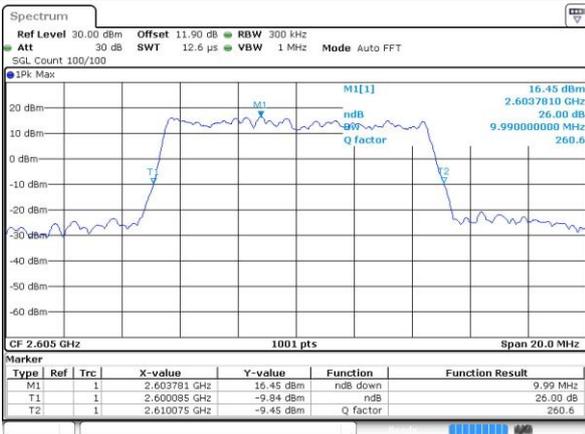
Date: 15 DEC 2016 22:59:47

Lowest Channel / 10MHz / 16QAM



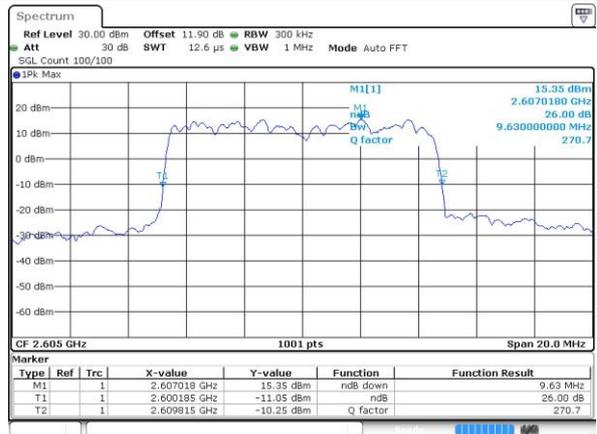
Date: 15 DEC 2016 22:59:57

Middle Channel / 10MHz / QPSK



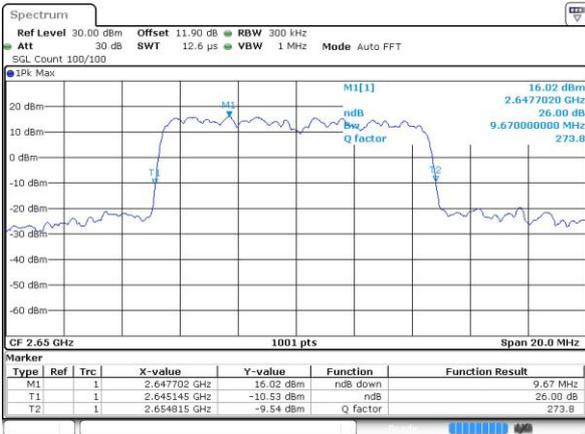
Date: 15 DEC 2016 23:00:28

Middle Channel / 10MHz / 16QAM



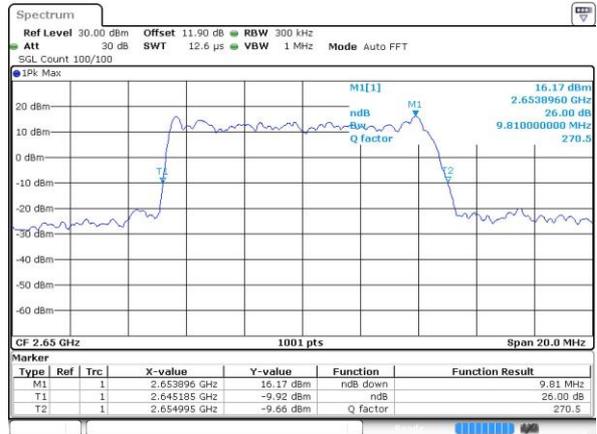
Date: 15 DEC 2016 23:00:39

Highest Channel / 10MHz / QPSK



Date: 15 DEC 2016 23:01:10

Highest Channel / 10MHz / 16QAM

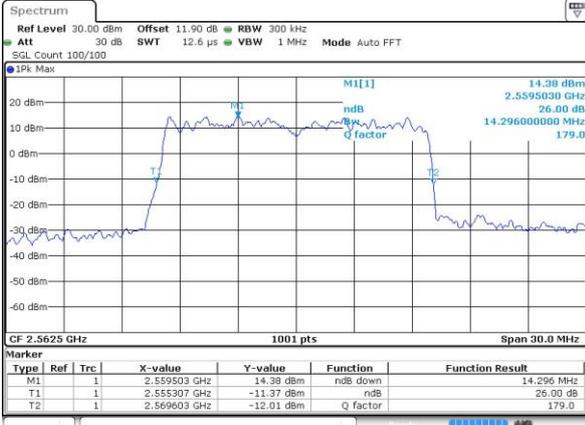


Date: 15 DEC 2016 23:01:20



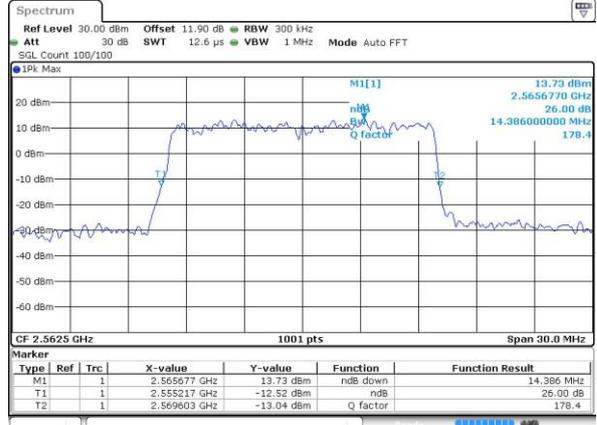
LTE Band 41

Lowest Channel / 15MHz / QPSK



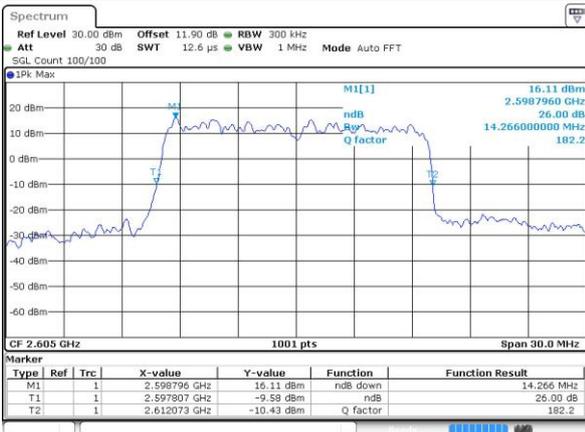
Date: 15 DEC 2016 23 01 51

Lowest Channel / 15MHz / 16QAM



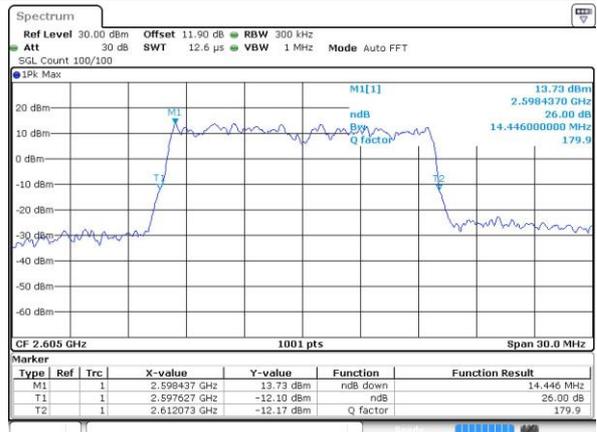
Date: 15 DEC 2016 23 02 01

Middle Channel / 15MHz / QPSK



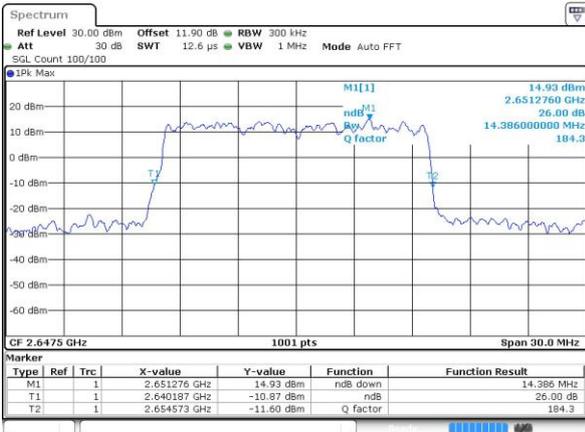
Date: 15 DEC 2016 23 02 32

Middle Channel / 15MHz / 16QAM



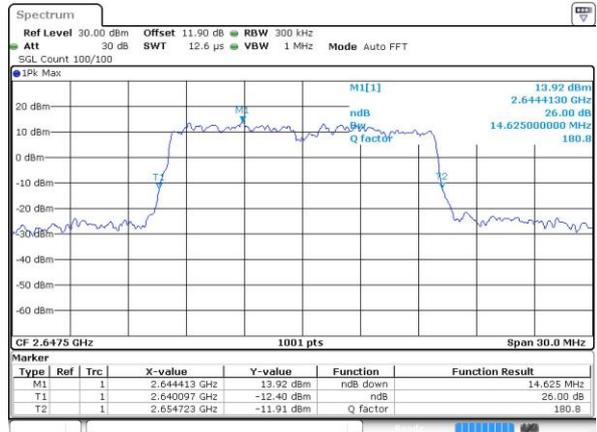
Date: 15 DEC 2016 23 02 43

Highest Channel / 15MHz / QPSK



Date: 15 DEC 2016 23 03 14

Highest Channel / 15MHz / 16QAM

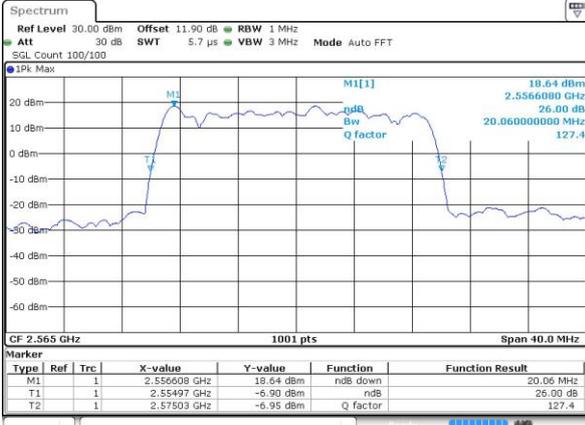


Date: 15 DEC 2016 23 03 24



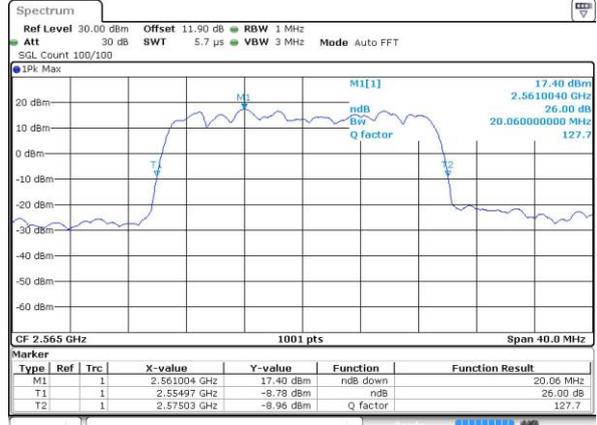
LTE Band 41

Lowest Channel / 20MHz / QPSK



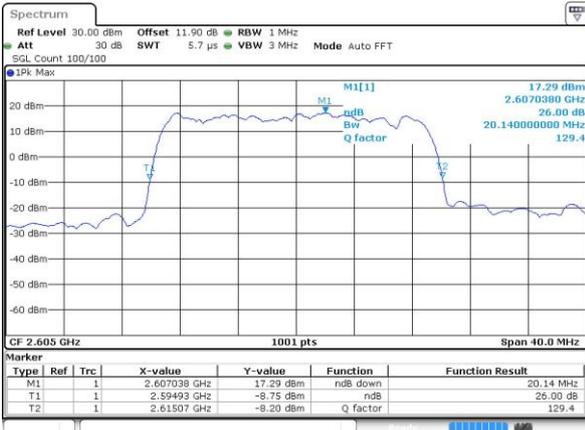
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Lowest Channel / 20MHz / 16QAM



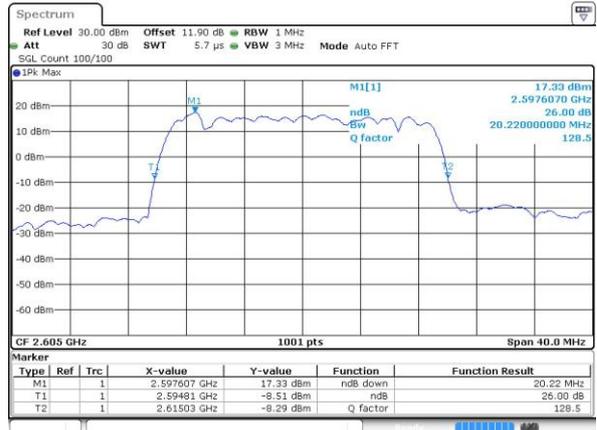
Date: 15 DEC 2016 23:04:06

Middle Channel / 20MHz / QPSK



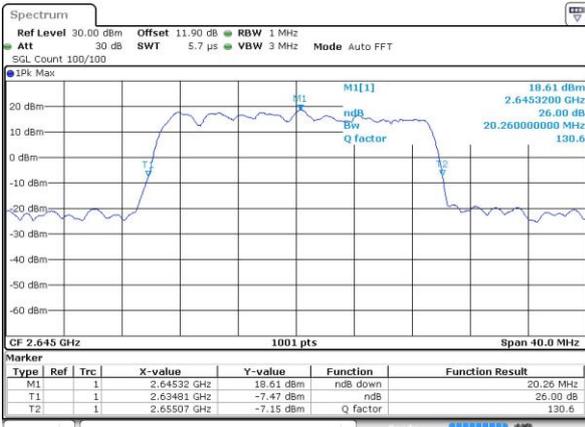
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Middle Channel / 20MHz / 16QAM



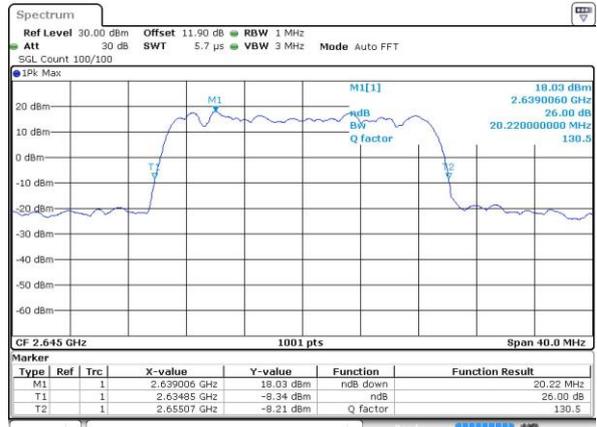
Date: 15 DEC 2016 23:04:47

Highest Channel / 20MHz / QPSK



Date: 15 DEC 2016 23:05:18

Highest Channel / 20MHz / 16QAM



Date: 15 DEC 2016 23:05:28



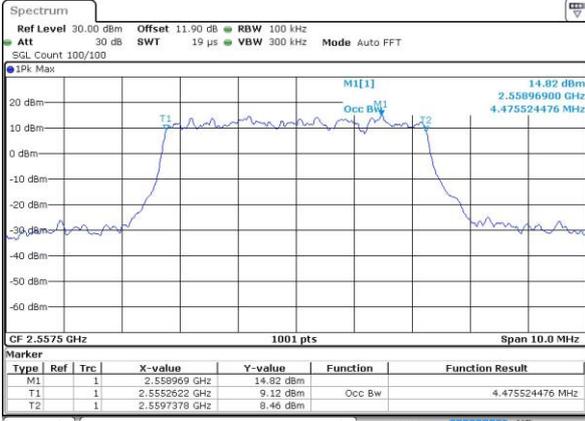
Occupied Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.48	4.5	9.01	9.01	13.46	13.43	18.38	18.3
Middle CH	-	-	-	-	4.5	4.51	8.99	9.03	13.43	13.49	18.34	18.34
Highest CH	-	-	-	-	4.52	4.49	9.09	8.99	13.43	13.37	18.46	18.5



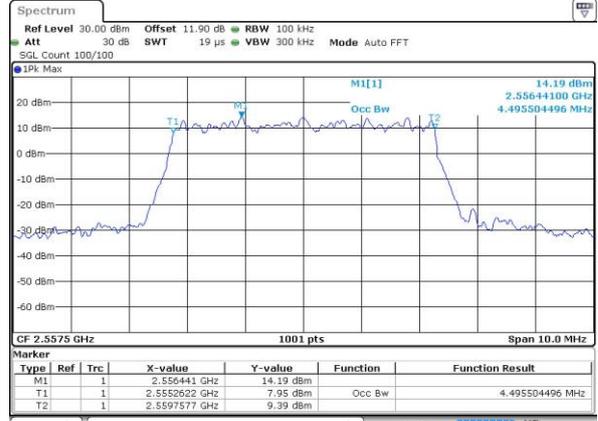
LTE Band 41

Lowest Channel / 5MHz / QPSK



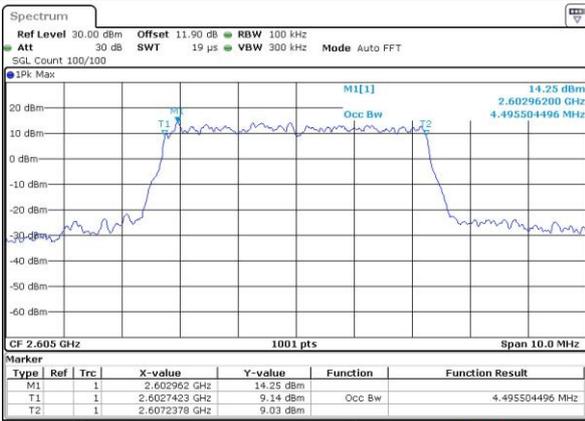
Date: 15 DEC 2016 22:57:22

Lowest Channel / 5MHz / 16QAM



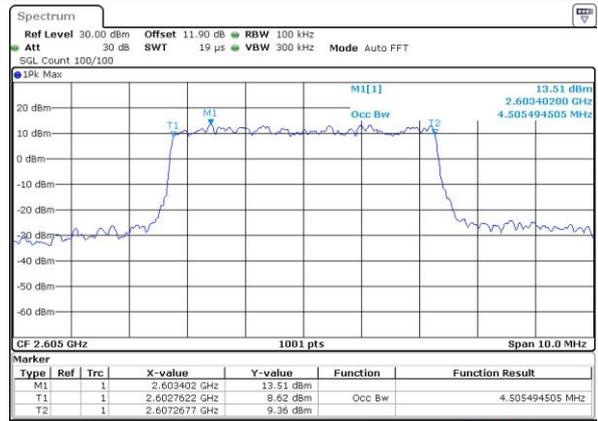
Date: 15 DEC 2016 22:57:32

Middle Channel / 5MHz / QPSK



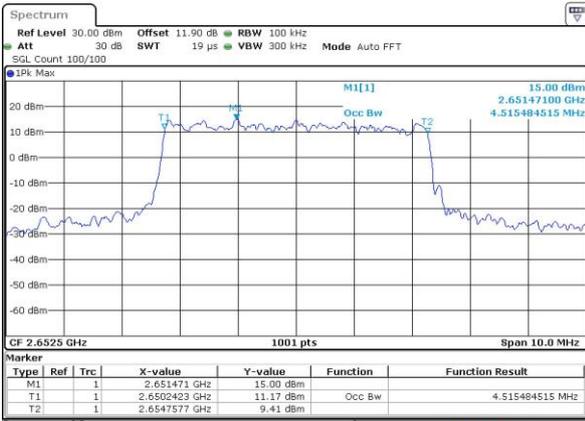
Date: 15 DEC 2016 22:58:03

Middle Channel / 5MHz / 16QAM



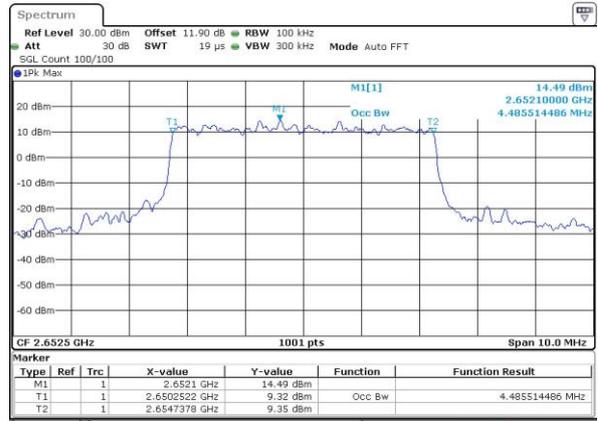
Date: 15 DEC 2016 22:58:14

Highest Channel / 5MHz / QPSK



Date: 15 DEC 2016 22:58:45

Highest Channel / 5MHz / 16QAM

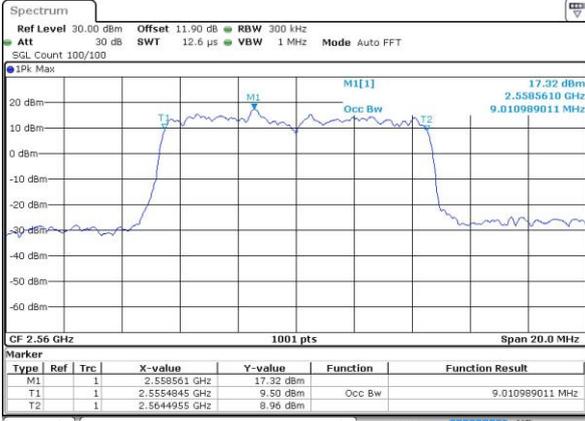


Date: 15 DEC 2016 22:58:55



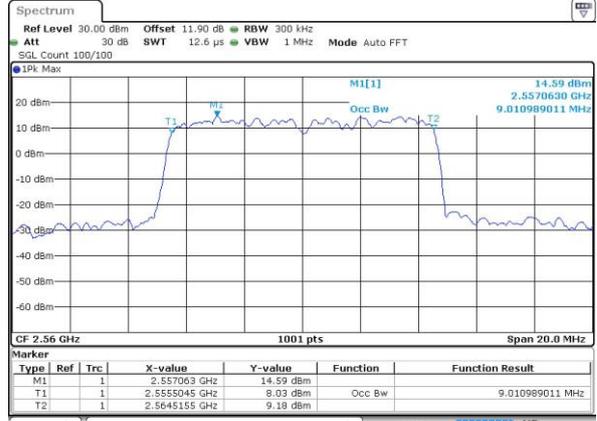
LTE Band 41

Lowest Channel / 10MHz / QPSK



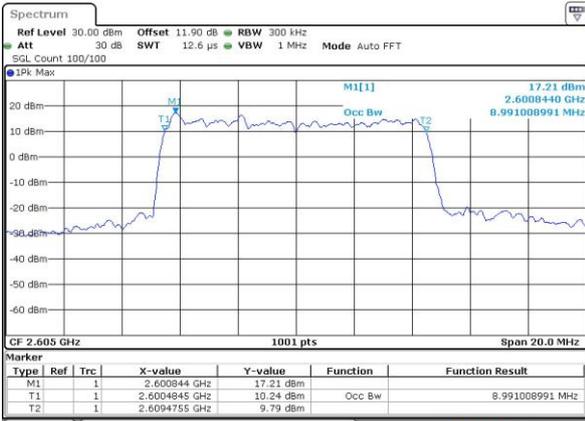
Date: 15 DEC 2016 22:59:26

Lowest Channel / 10MHz / 16QAM



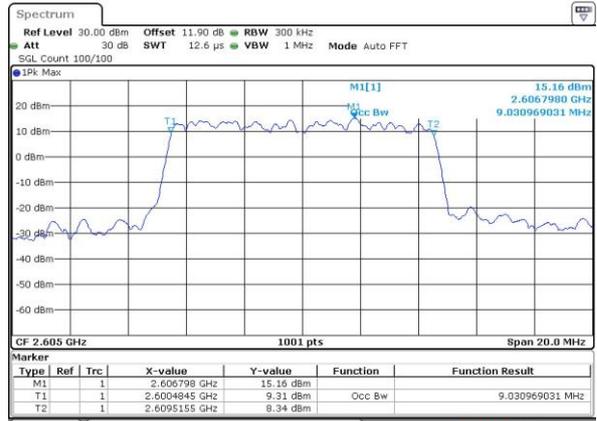
Date: 15 DEC 2016 22:59:37

Middle Channel / 10MHz / QPSK



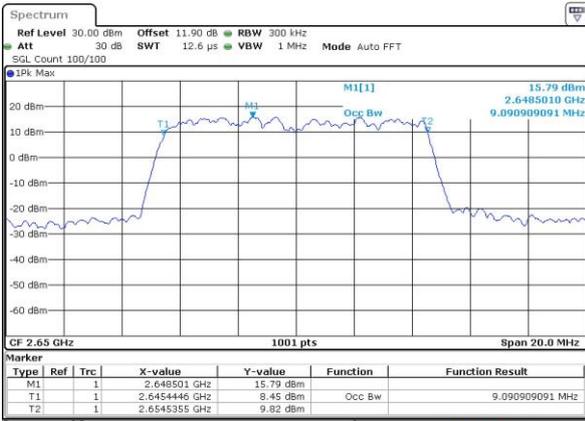
Date: 15 DEC 2016 23:00:08

Middle Channel / 10MHz / 16QAM



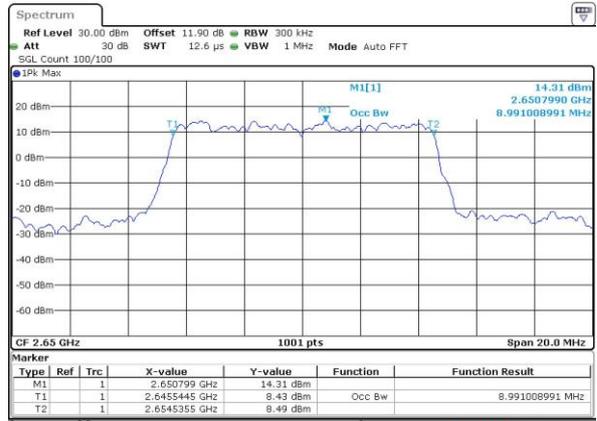
Date: 15 DEC 2016 23:00:18

Highest Channel / 10MHz / QPSK



Date: 15 DEC 2016 23:00:49

Highest Channel / 10MHz / 16QAM

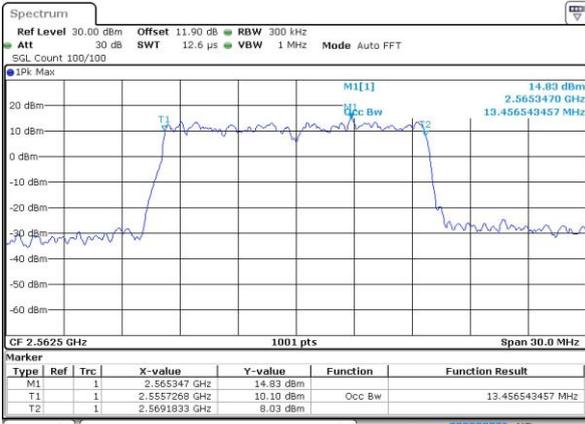


Date: 15 DEC 2016 23:00:59



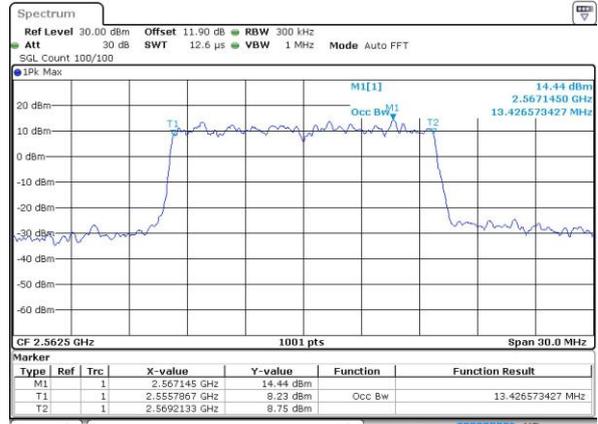
LTE Band 41

Lowest Channel / 15MHz / QPSK



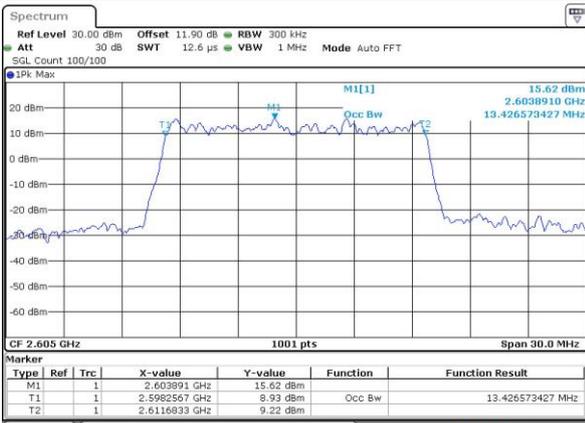
Date: 15 DEC 2016 23 01 30

Lowest Channel / 15MHz / 16QAM



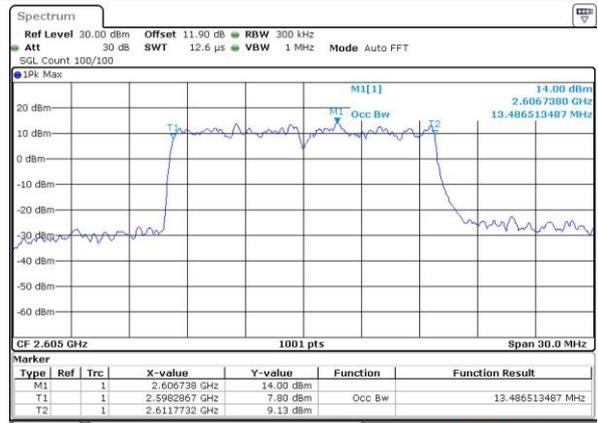
Date: 15 DEC 2016 23 01 41

Middle Channel / 15MHz / QPSK



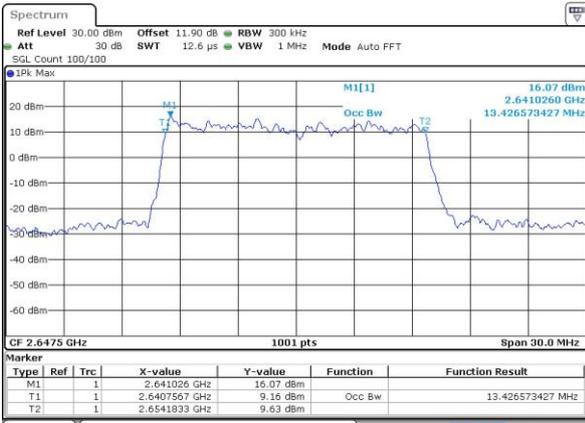
Date: 15 DEC 2016 23 02 12

Middle Channel / 15MHz / 16QAM



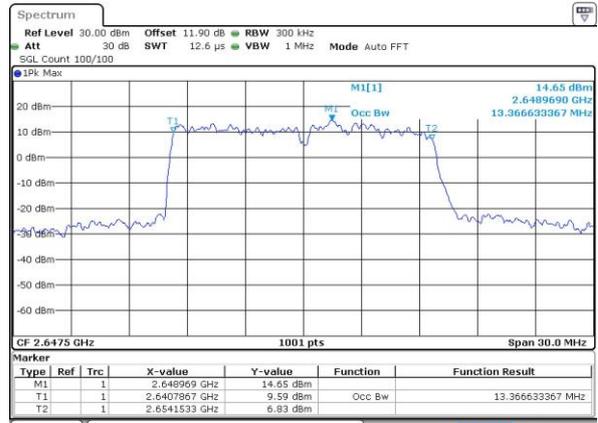
Date: 15 DEC 2016 23 02 22

Highest Channel / 15MHz / QPSK



Date: 15 DEC 2016 23 02 53

Highest Channel / 15MHz / 16QAM

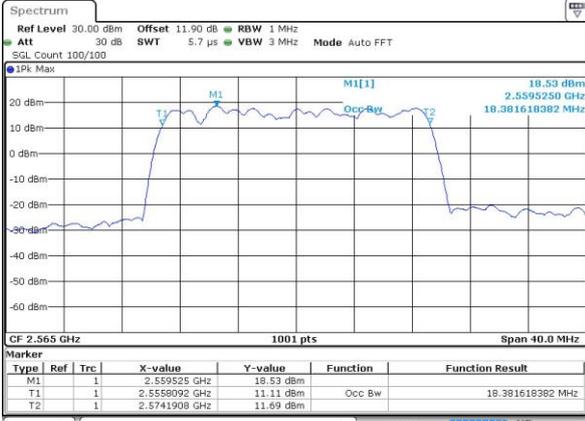


Date: 15 DEC 2016 23 03 03



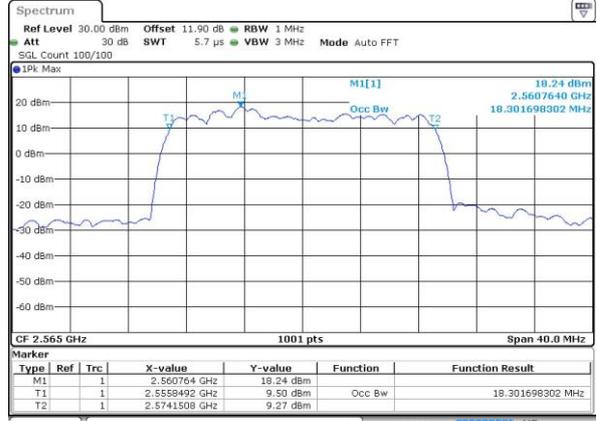
LTE Band 41

Lowest Channel / 20MHz / QPSK



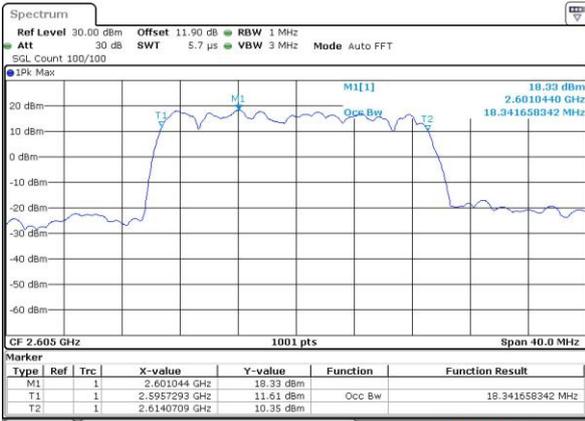
Date: 15 DEC 2016 23 03 34

Lowest Channel / 20MHz / 16QAM



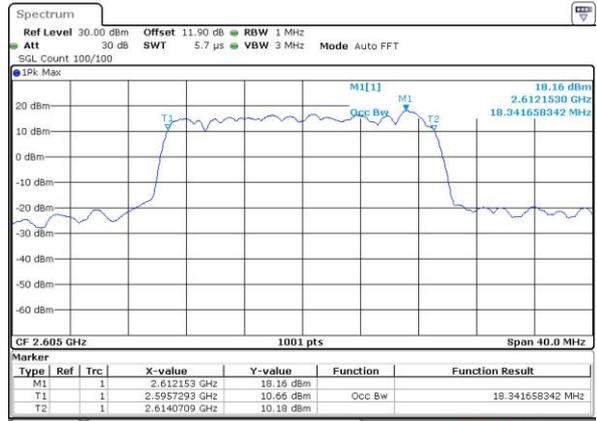
Date: 15 DEC 2016 23 03 45

Middle Channel / 20MHz / QPSK



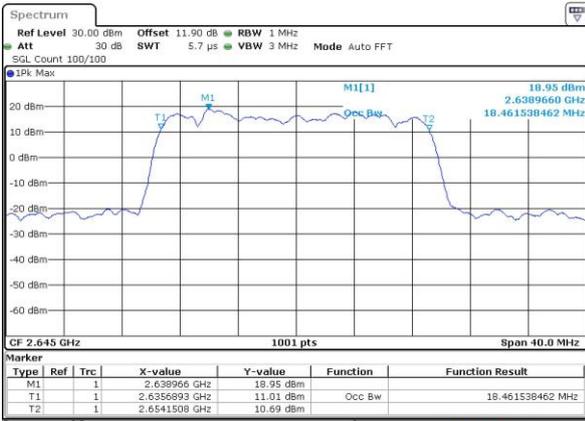
Date: 15 DEC 2016 23 04 16

Middle Channel / 20MHz / 16QAM



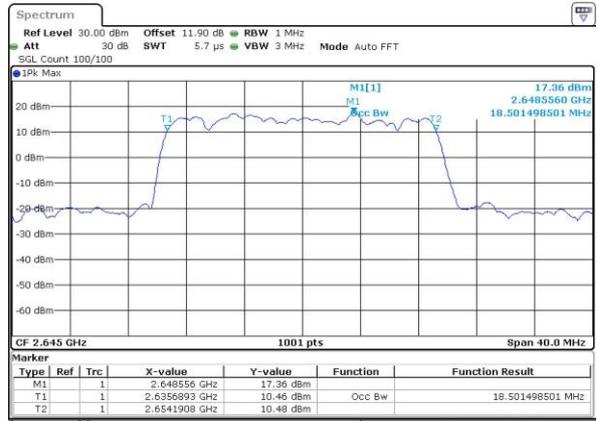
Date: 15 DEC 2016 23 04 26

Highest Channel / 20MHz / QPSK



Date: 15 DEC 2016 23 04 57

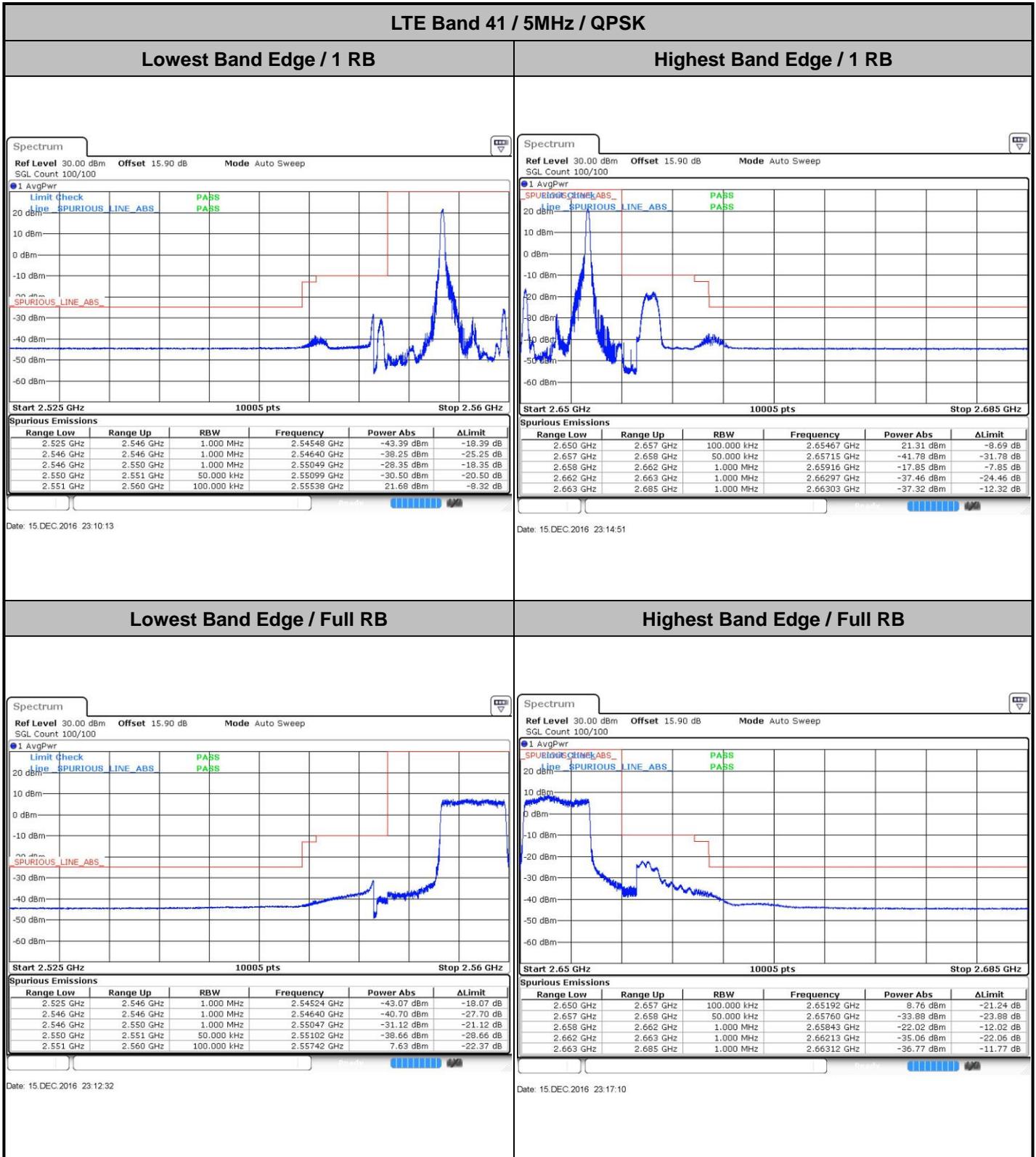
Highest Channel / 20MHz / 16QAM



Date: 15 DEC 2016 23 05 08



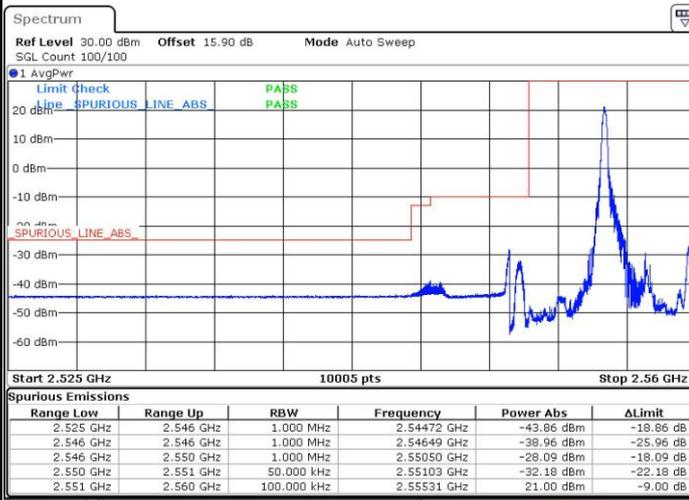
Conducted Band Edge





LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 15 DEC 2016 23:11:22

Highest Band Edge / 1 RB



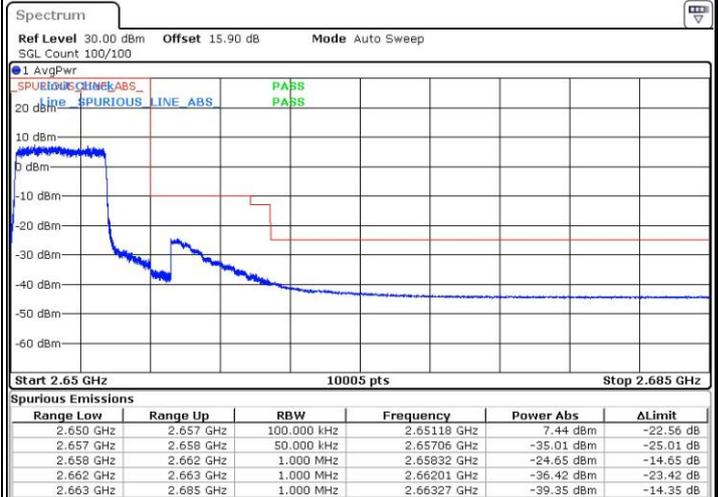
Date: 15 DEC 2016 23:16:01

Lowest Band Edge / Full RB



Date: 15 DEC 2016 23:13:42

Highest Band Edge / Full RB

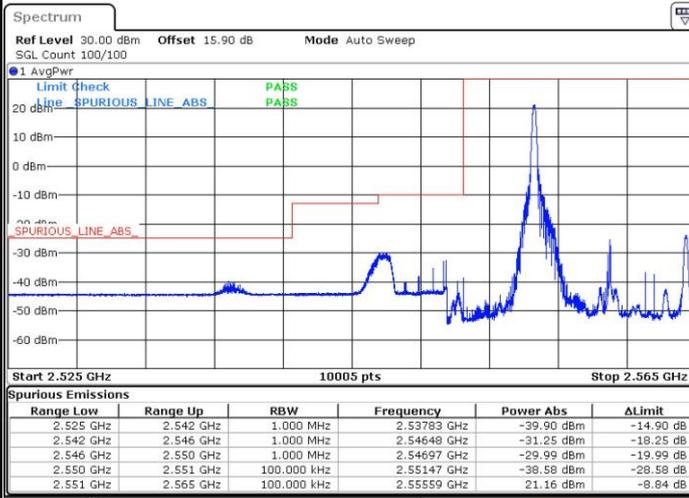


Date: 15 DEC 2016 23:18:19



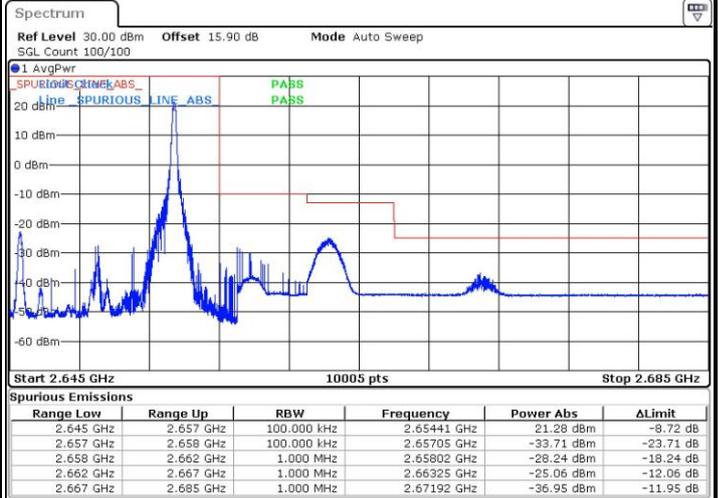
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



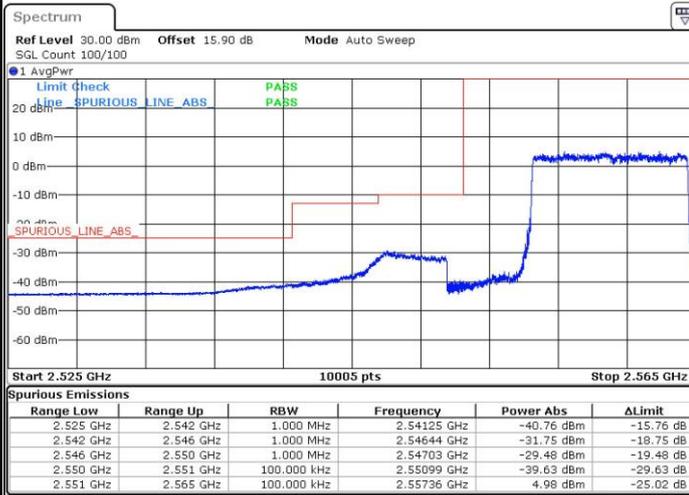
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Highest Band Edge / 1 RB



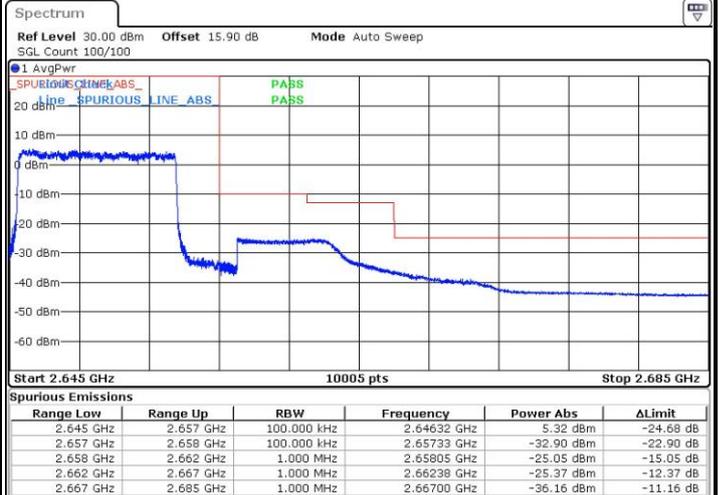
Date: 15 DEC 2016 23:24:07

Lowest Band Edge / Full RB



Date: 15 DEC 2016 23:21:48

Highest Band Edge / Full RB

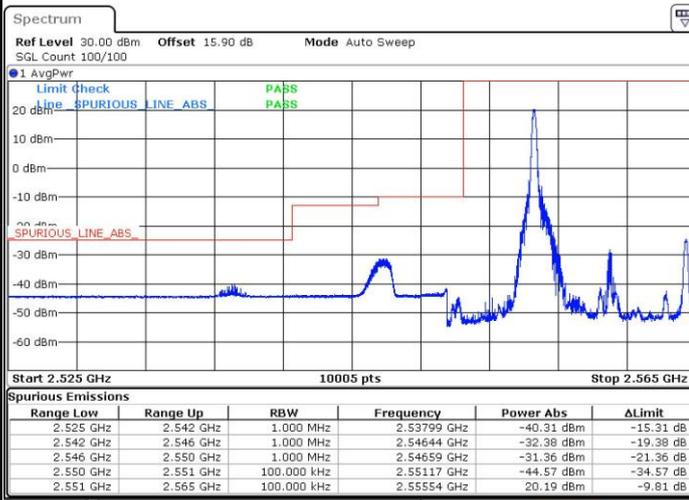


Date: 15 DEC 2016 23:26:26



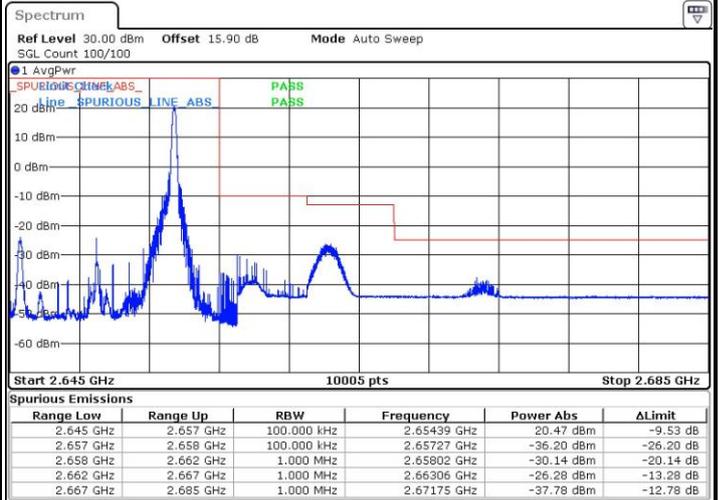
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



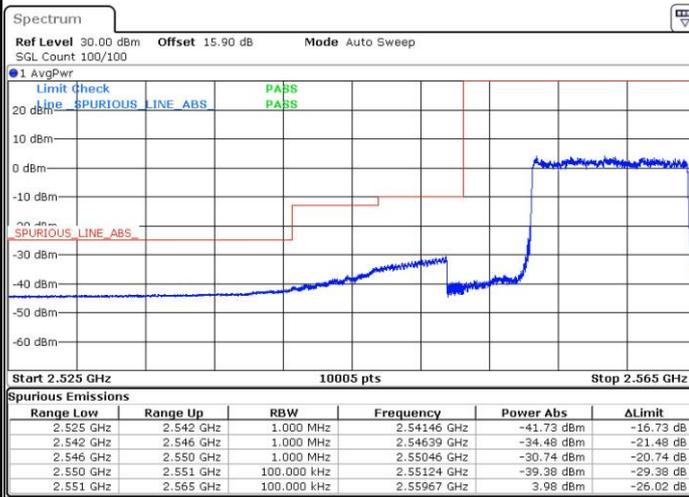
Date: 15 DEC 2016 23:20:39

Highest Band Edge / 1 RB



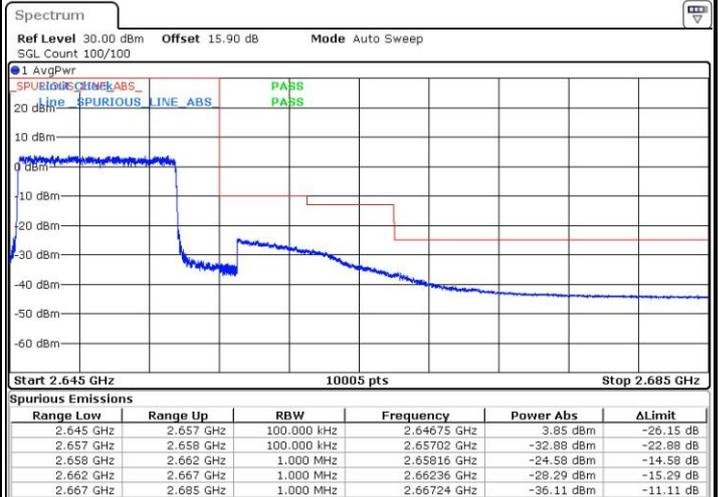
Date: 15 DEC 2016 23:25:17

Lowest Band Edge / Full RB



Date: 15 DEC 2016 23:22:58

Highest Band Edge / Full RB

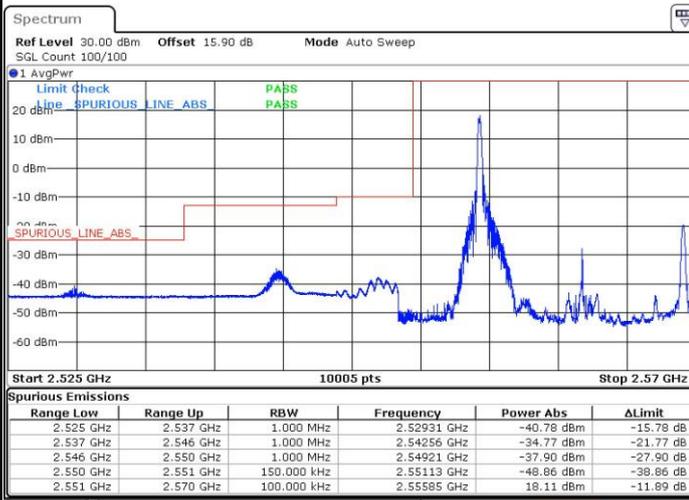


Date: 15 DEC 2016 23:27:36



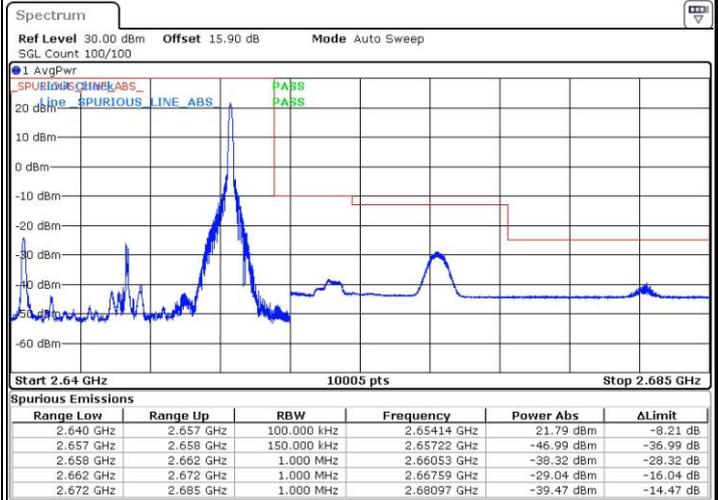
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



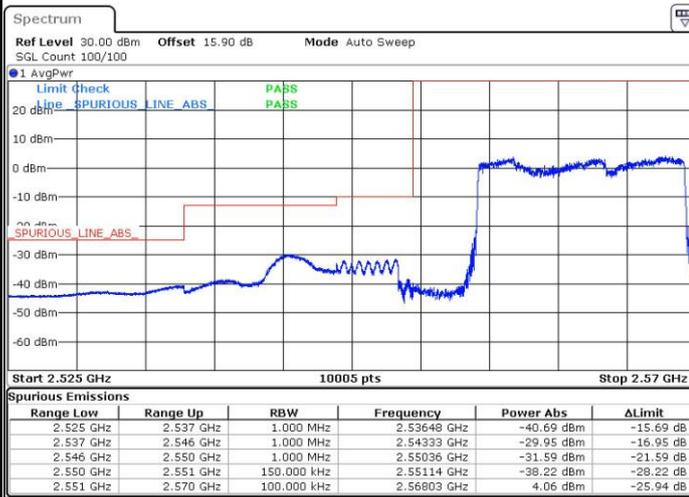
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Highest Band Edge / 1 RB



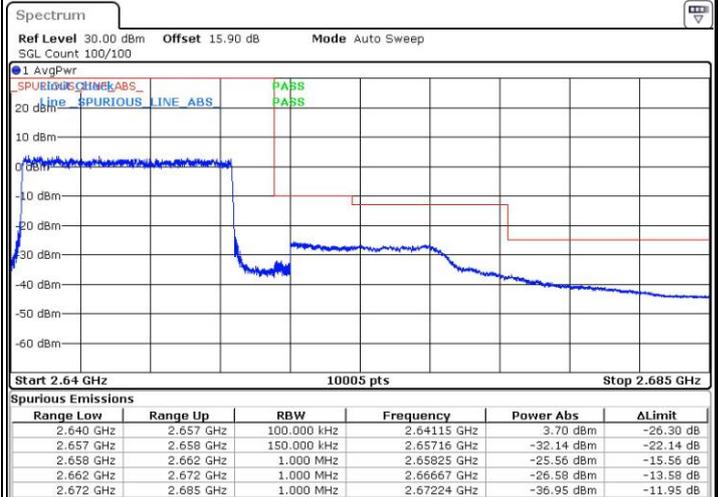
Date: 15 DEC 2016 23:33:24

Lowest Band Edge / Full RB



Date: 15 DEC 2016 23:31:05

Highest Band Edge / Full RB



Date: 15 DEC 2016 23:35:43