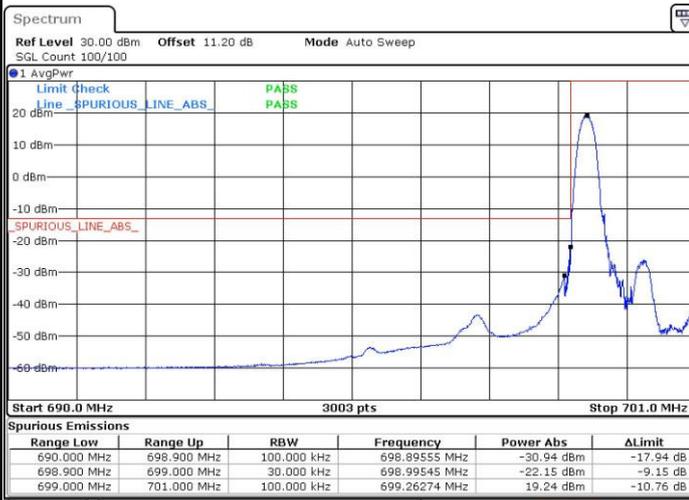




LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 9 FEB 2016 10:22:41

Highest Band Edge / 1 RB



Date: 9 FEB 2016 10:35:53

Lowest Band Edge / Full RB



Date: 9 FEB 2016 10:20:39

Highest Band Edge / Full RB

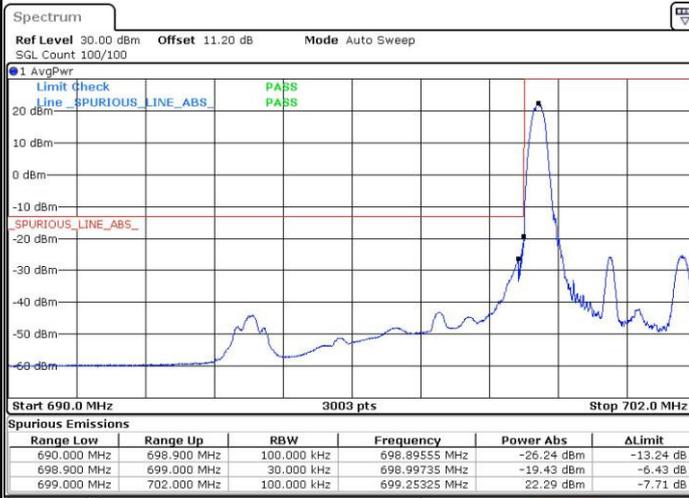


Date: 9 FEB 2016 10:33:50



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 9 FEB 2016 09:06:16

Highest Band Edge / 1 RB



Date: 9 FEB 2016 09:19:27

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:00:09

Highest Band Edge / Full RB

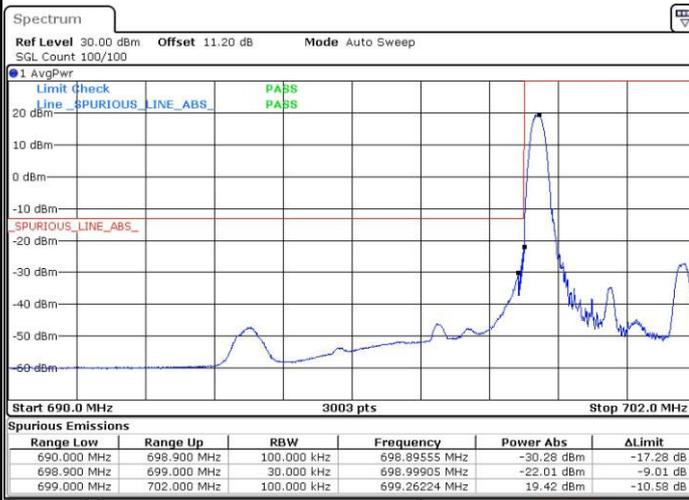


Date: 9 FEB 2016 09:13:20



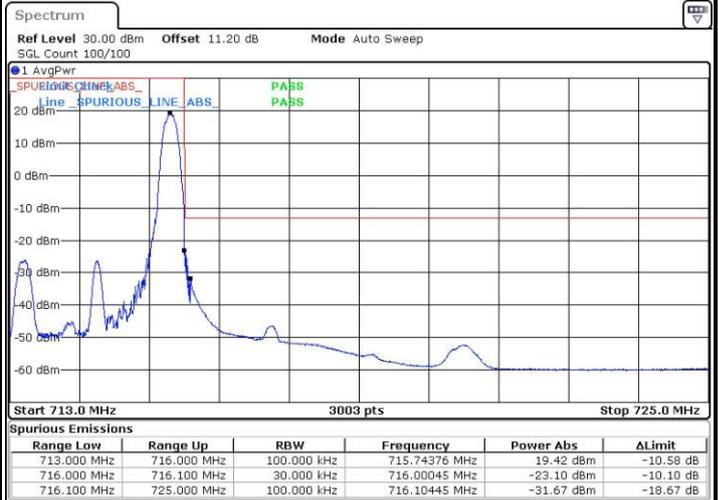
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 9 FEB 2016 09:04:14

Highest Band Edge / 1 RB



Date: 9 FEB 2016 09:17:25

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:02:11

Highest Band Edge / Full RB

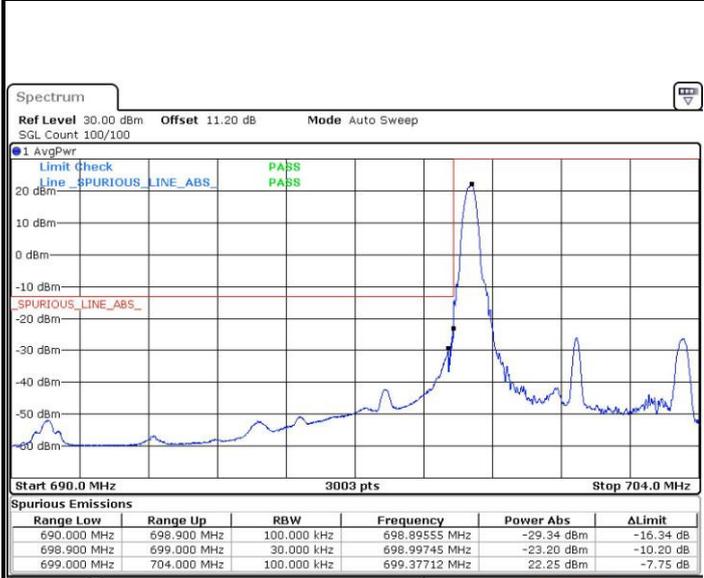


Date: 9 FEB 2016 09:15:22



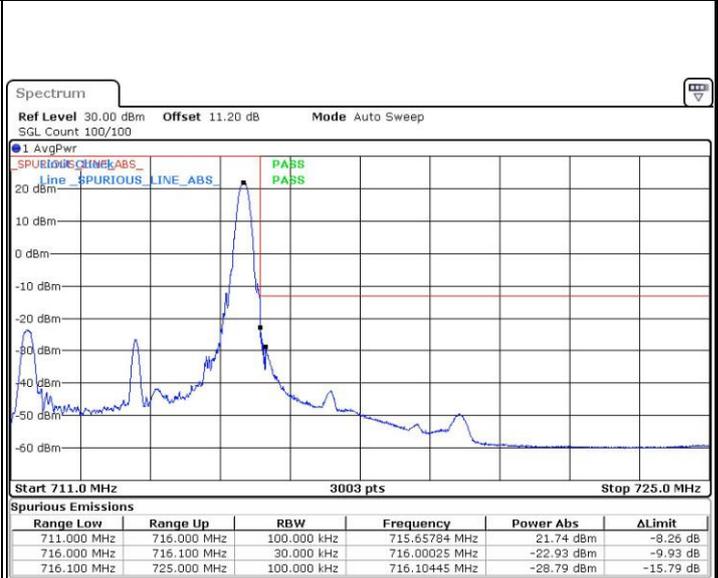
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



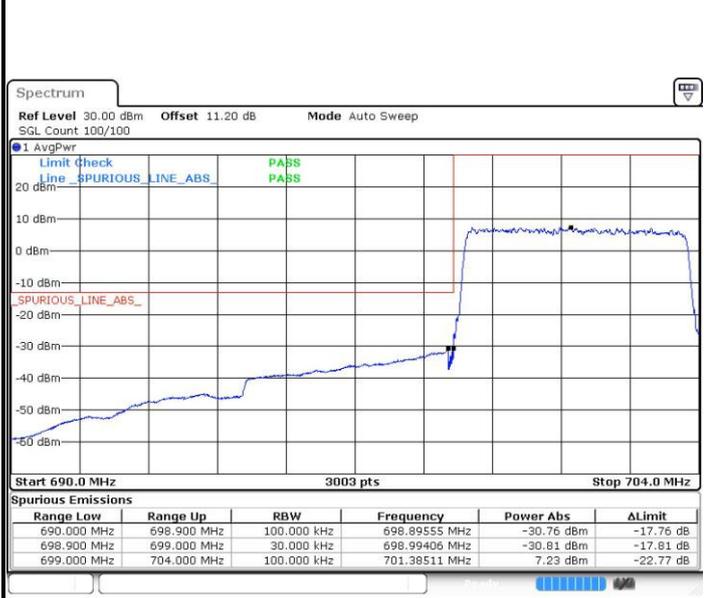
Date: 9 FEB 2016 09:30:07

Highest Band Edge / 1 RB



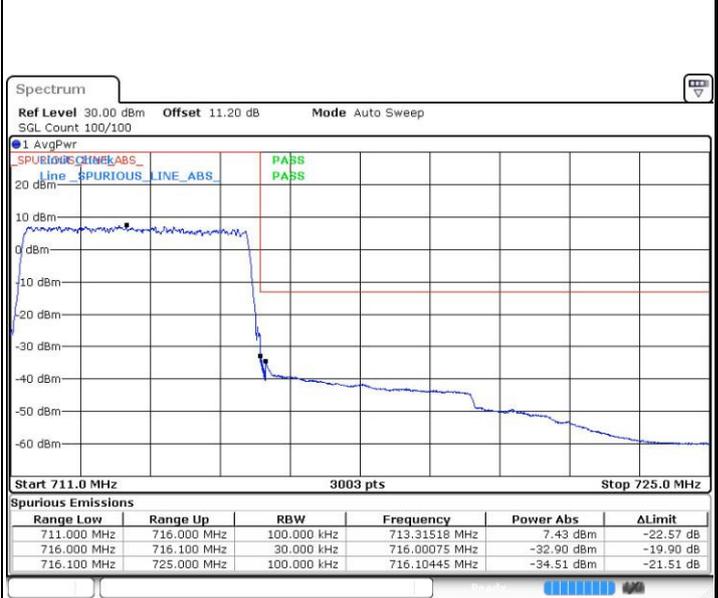
Date: 9 FEB 2016 09:41:16

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:24:00

Highest Band Edge / Full RB

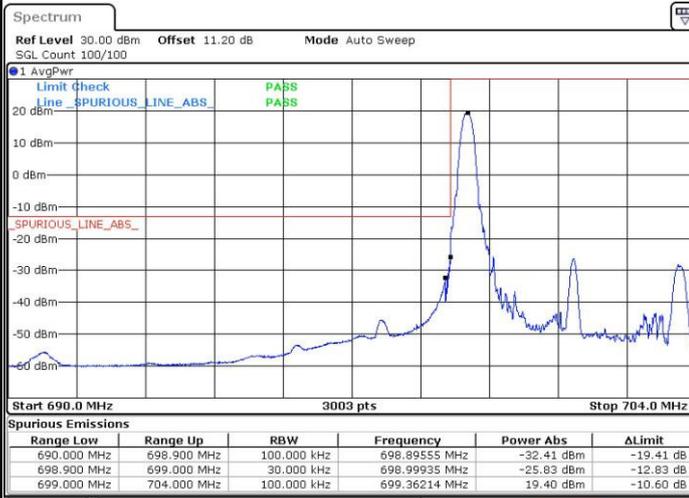


Date: 9 FEB 2016 09:37:12



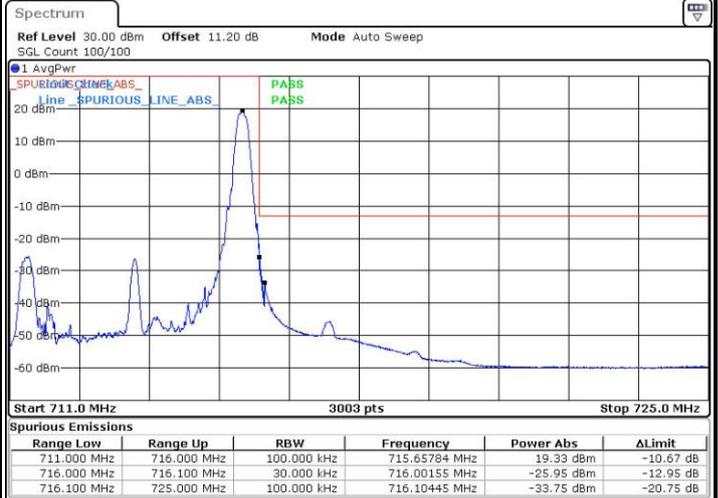
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 9 FEB 2016 09:28:05

Highest Band Edge / 1 RB



Date: 9 FEB 2016 09:43:19

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:26:03

Highest Band Edge / Full RB

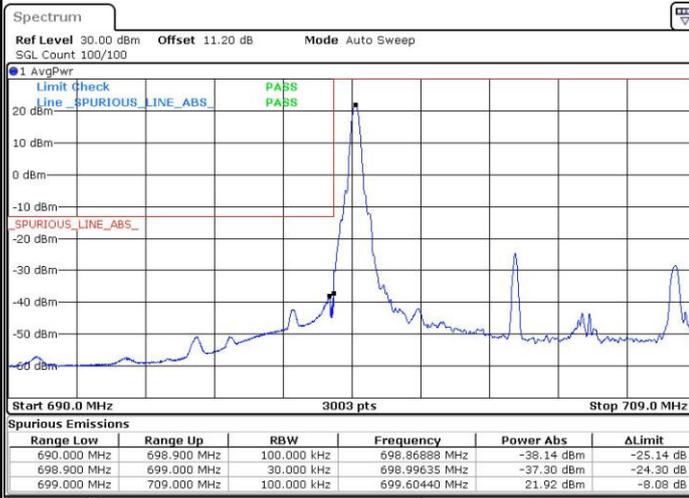


Date: 9 FEB 2016 09:39:14



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



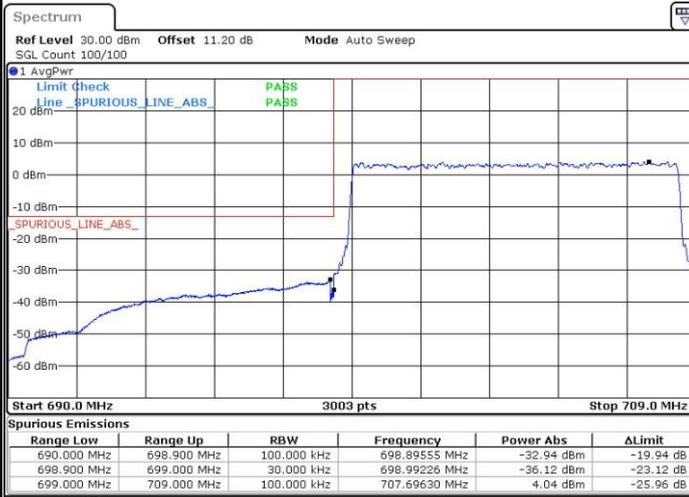
Date: 9 FEB 2016 09:53:59

Highest Band Edge / 1 RB



Date: 9 FEB 2016 10:07:10

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:47:52

Highest Band Edge / Full RB

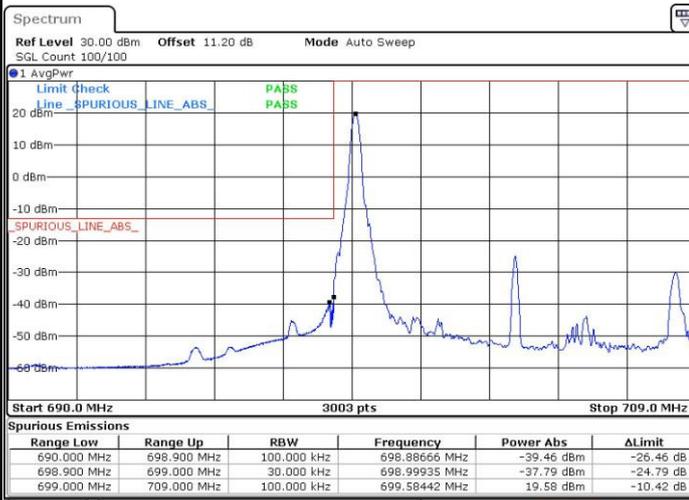


Date: 9 FEB 2016 10:01:03



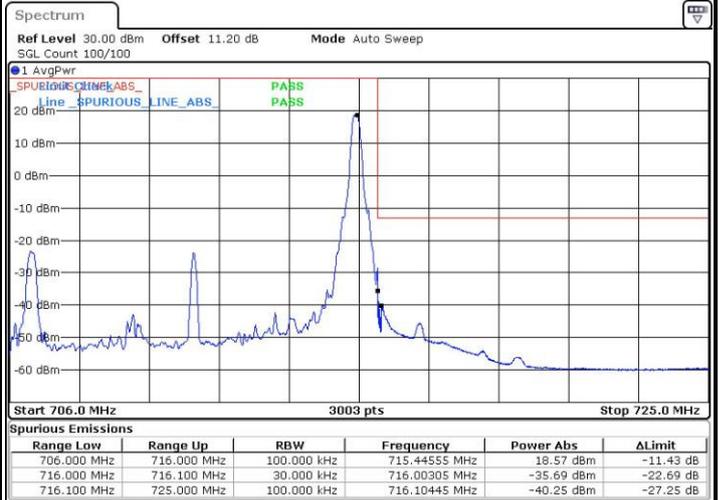
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



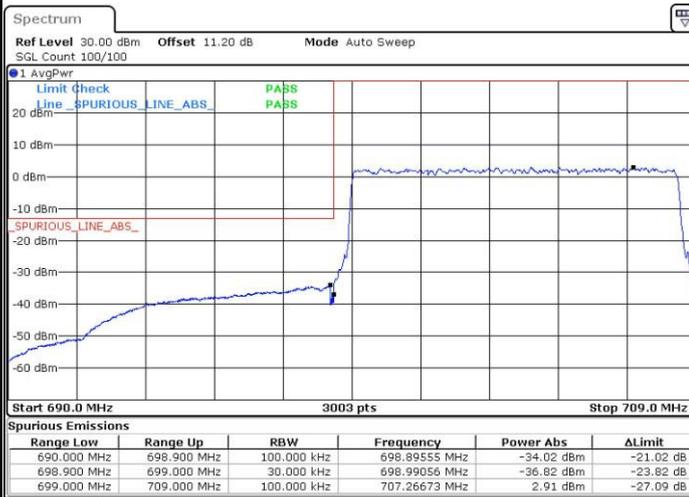
Date: 9 FEB 2016 09:51:56

Highest Band Edge / 1 RB



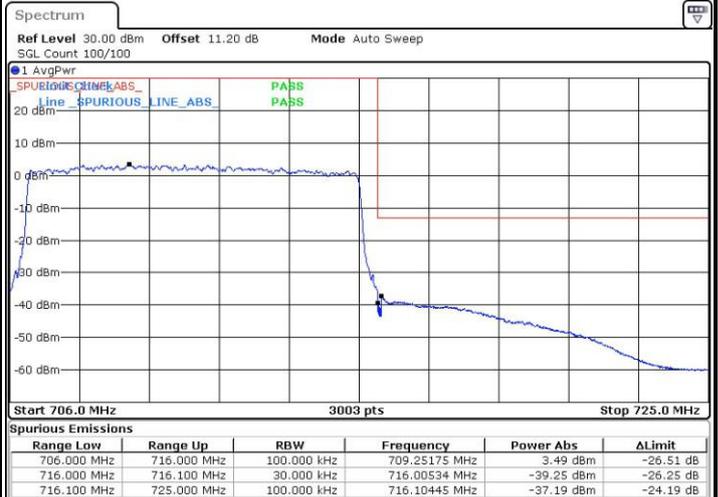
Date: 9 FEB 2016 10:05:07

Lowest Band Edge / Full RB



Date: 9 FEB 2016 09:49:54

Highest Band Edge / Full RB



Date: 9 FEB 2016 10:03:05

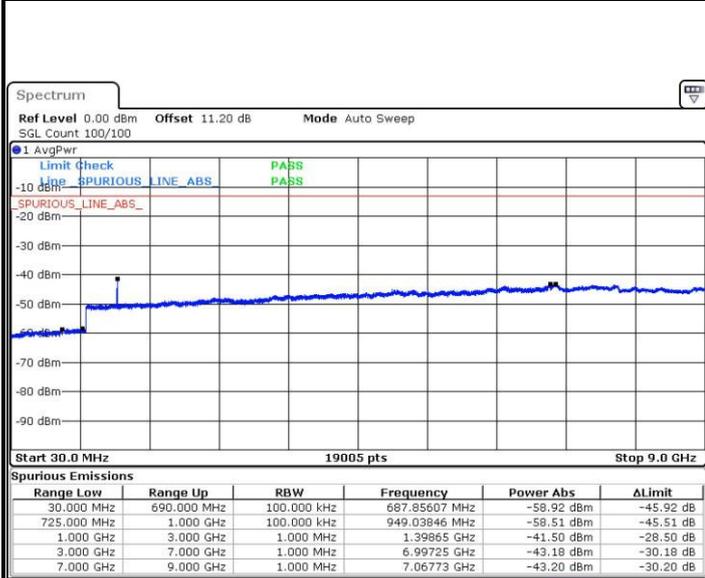


**Conducted Spurious Emission**



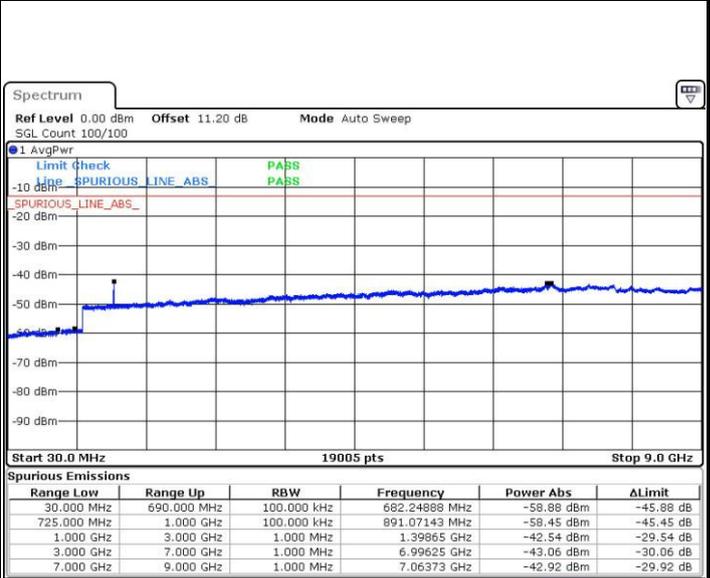
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



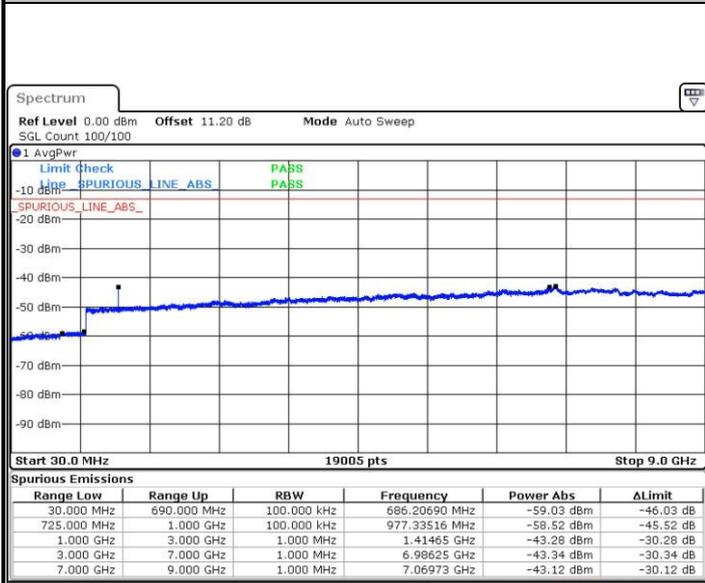
Date: 9 FEB 2016 10:25:39

Lowest Channel / 16QAM



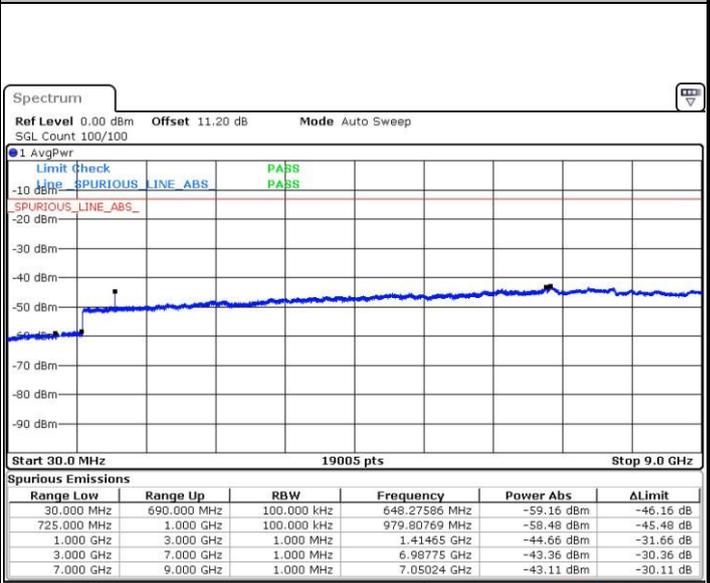
Date: 9 FEB 2016 10:26:33

Middle Channel / QPSK



Date: 9 FEB 2016 10:29:04

Middle Channel / 16QAM

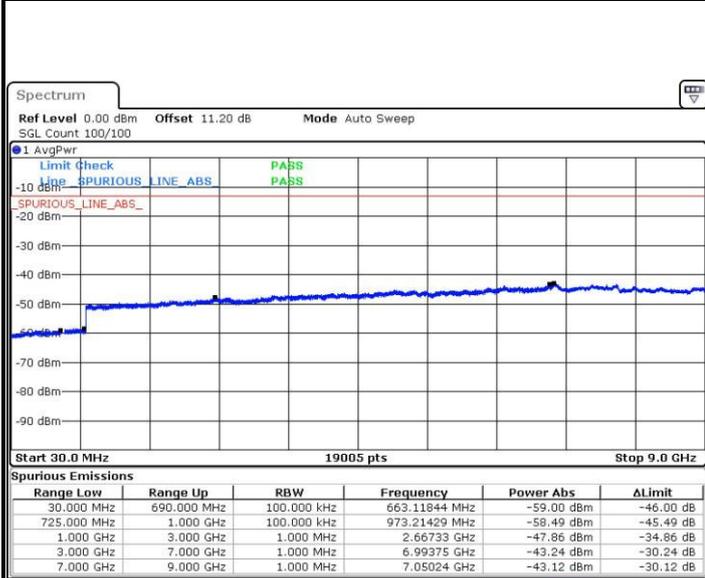


Date: 9 FEB 2016 10:28:10



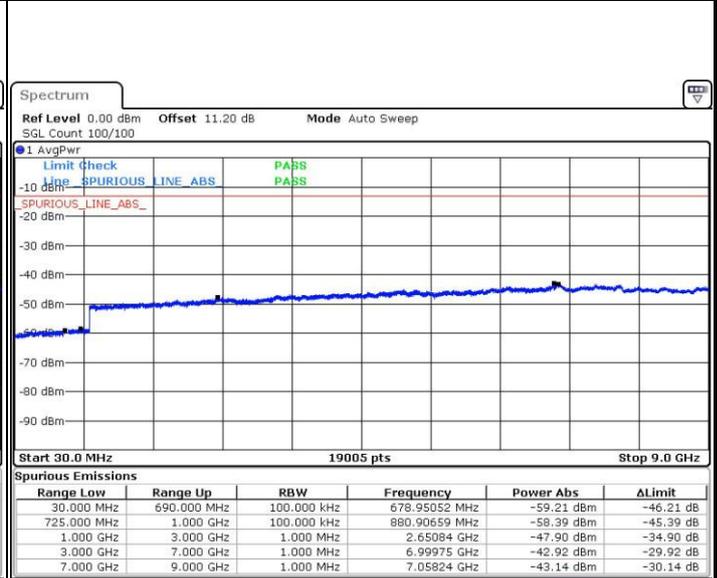
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 9 FEB 2016 10:38:50

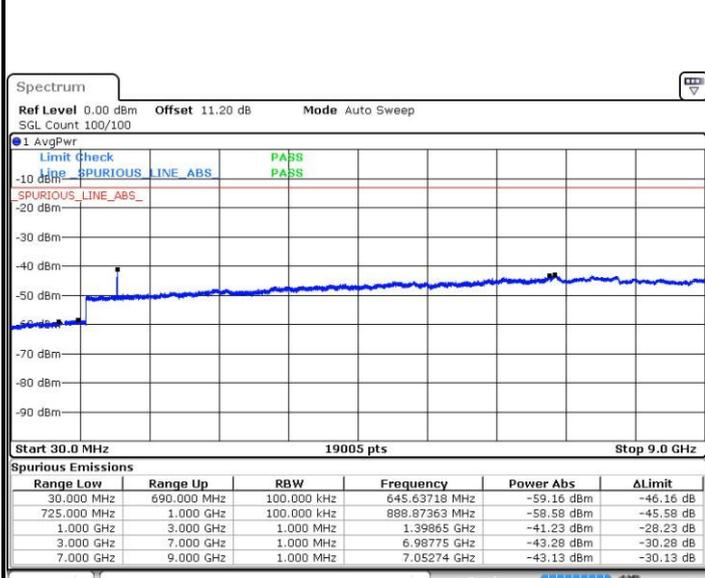
Highest Channel / 16QAM



Date: 9 FEB 2016 10:39:44

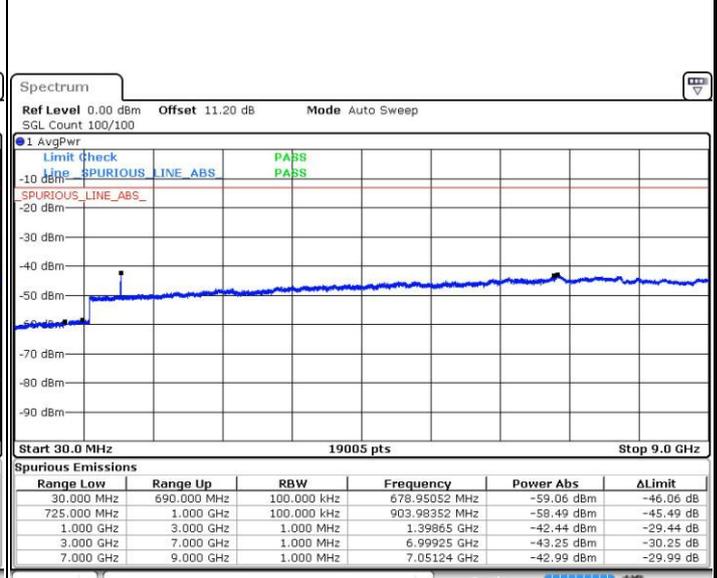
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 9 FEB 2016 09:07:11

Lowest Channel / 16QAM

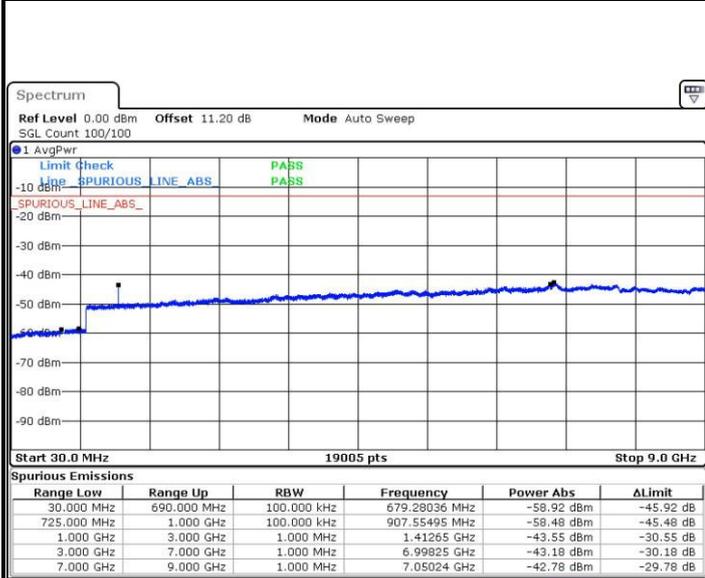


Date: 9 FEB 2016 09:08:05



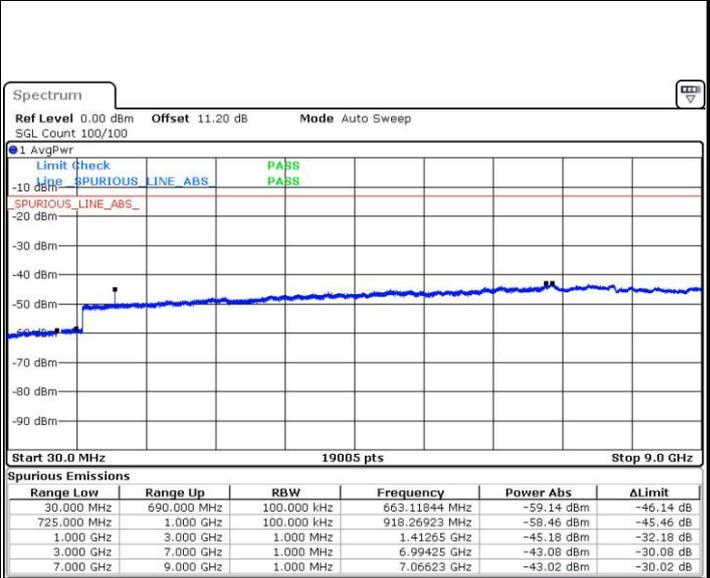
LTE Band 12 / 3MHz

Middle Channel / QPSK



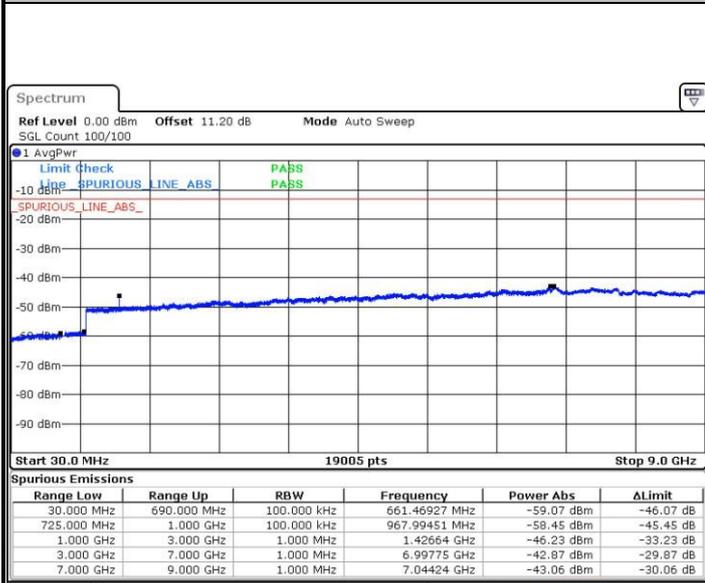
Date: 9 FEB 2016 09:10:36

Middle Channel / 16QAM



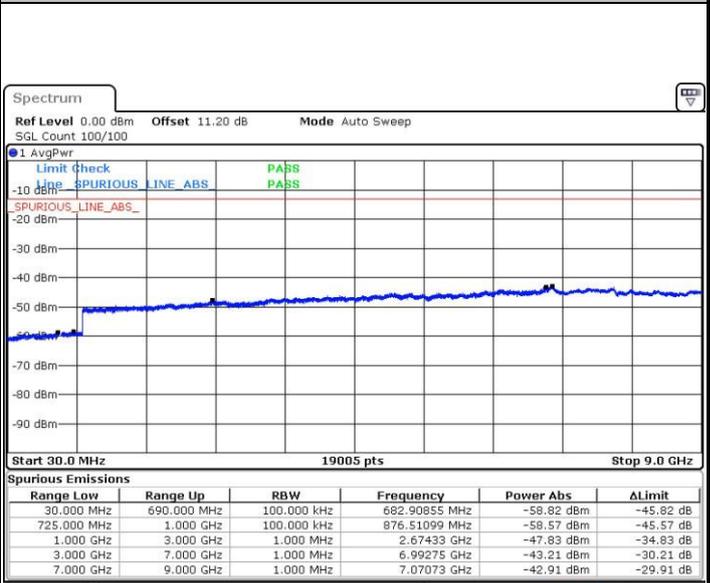
Date: 9 FEB 2016 09:09:42

Highest Channel / QPSK



Date: 9 FEB 2016 09:20:22

Highest Channel / 16QAM

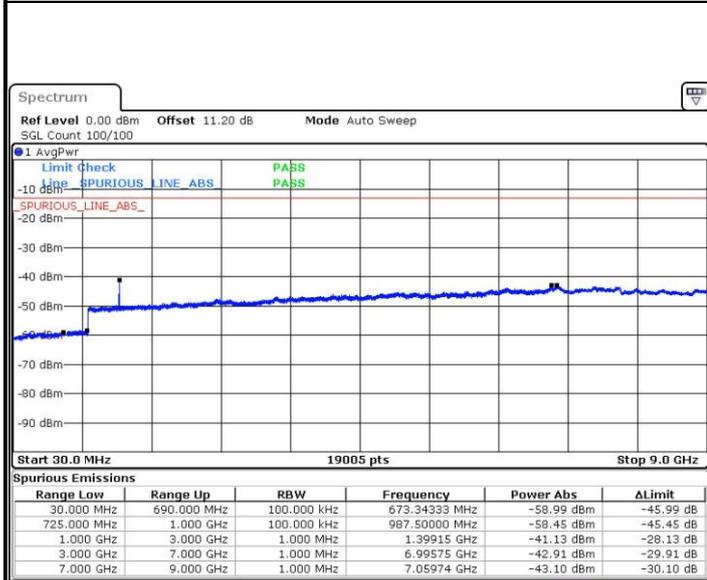


Date: 9 FEB 2016 09:21:16



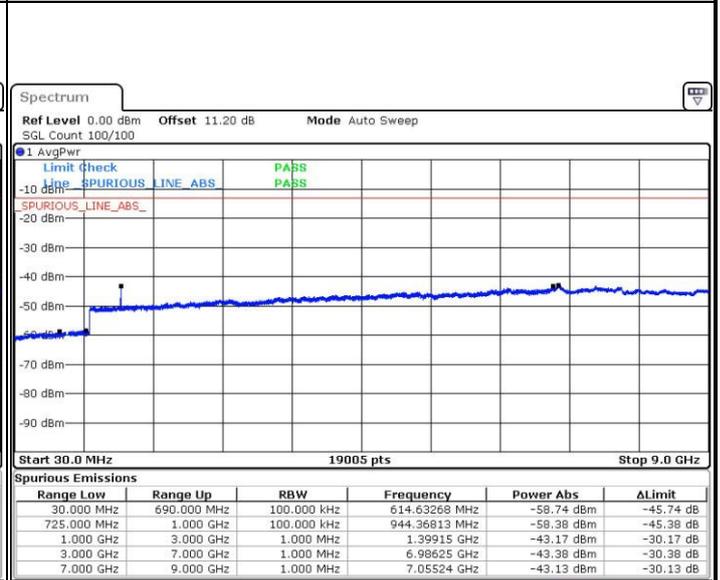
LTE Band 12 / 5MHz

Lowest Channel / QPSK



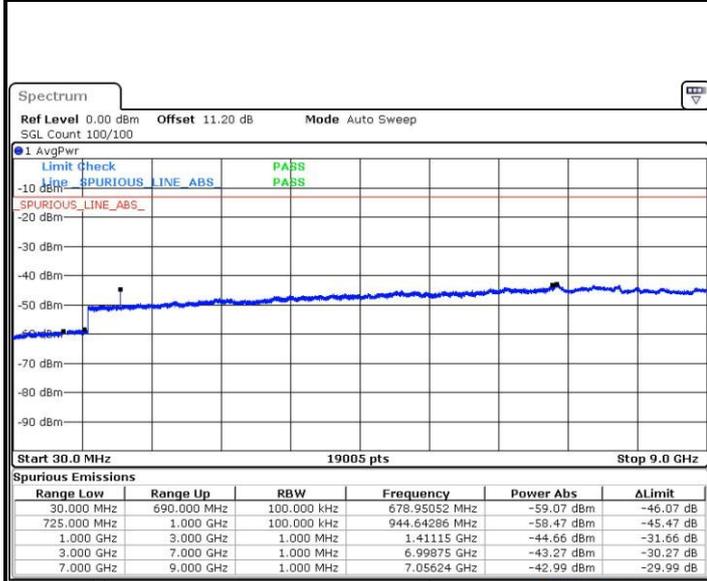
Date: 9 FEB 2016 09:31:02

Lowest Channel / 16QAM



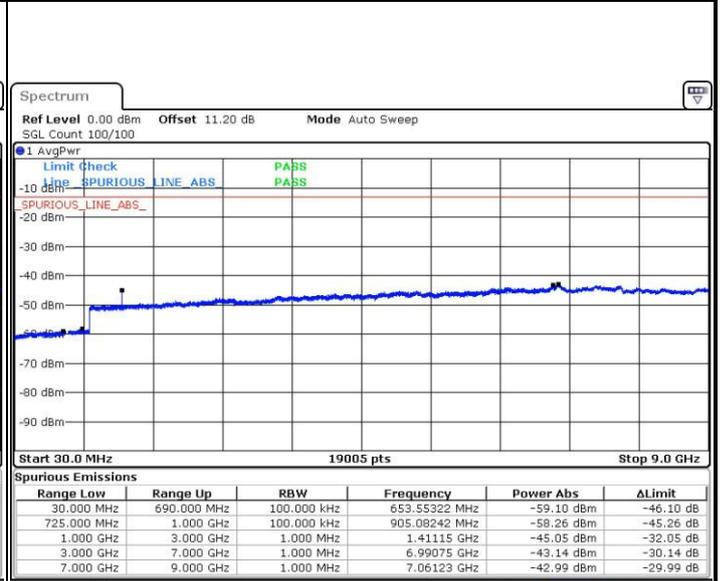
Date: 9 FEB 2016 09:31:57

Middle Channel / QPSK



Date: 9 FEB 2016 09:34:28

Middle Channel / 16QAM

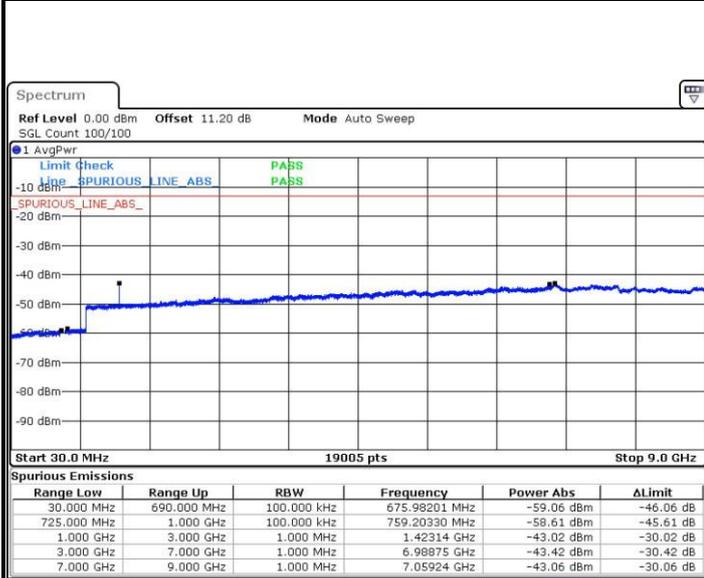


Date: 9 FEB 2016 09:33:33



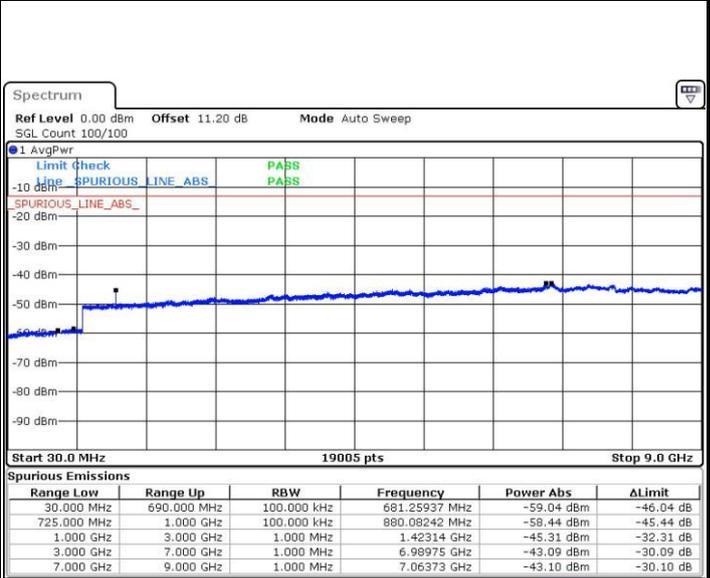
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 9 FEB 2016 09:45:08

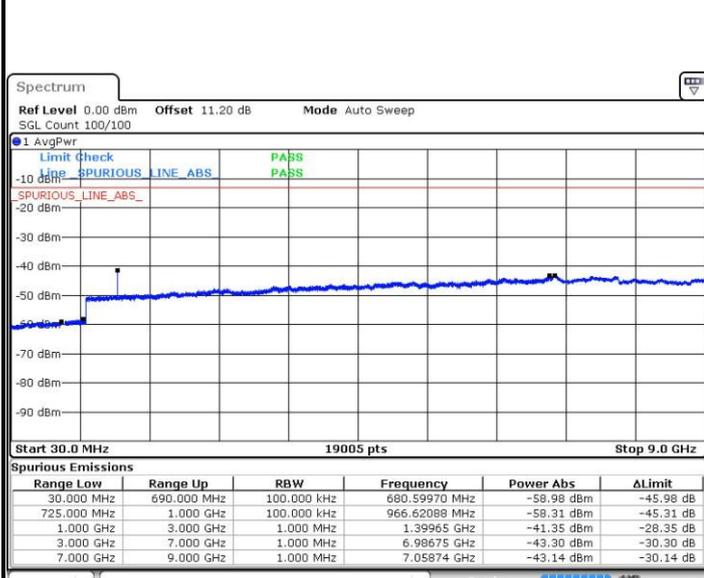
Highest Channel / 16QAM



Date: 9 FEB 2016 09:44:14

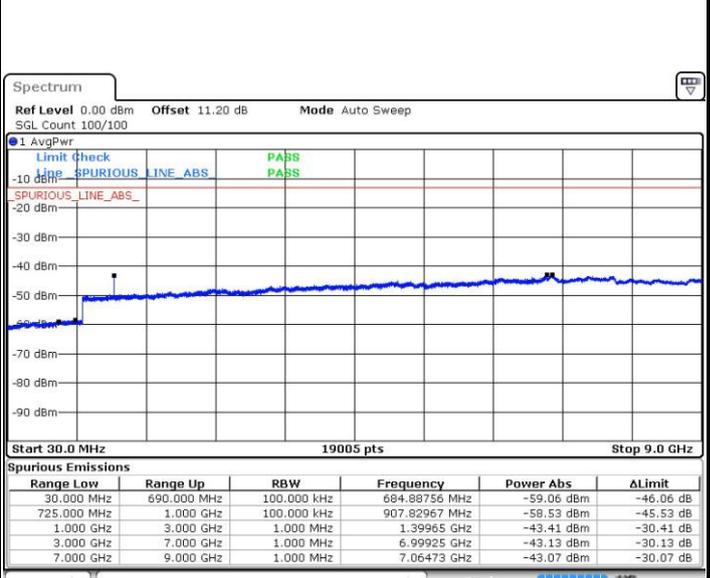
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 9 FEB 2016 09:54:54

Lowest Channel / 16QAM



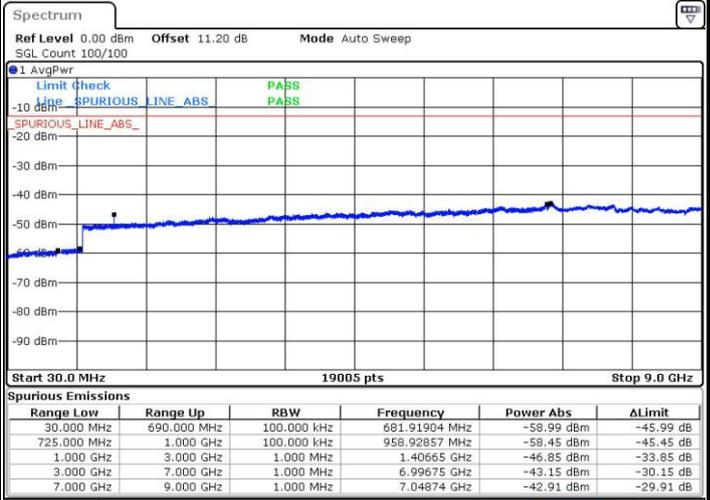
Date: 9 FEB 2016 09:55:48



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

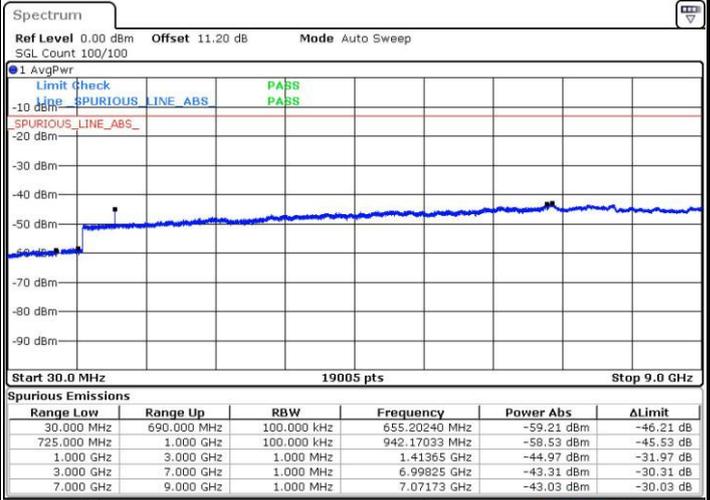
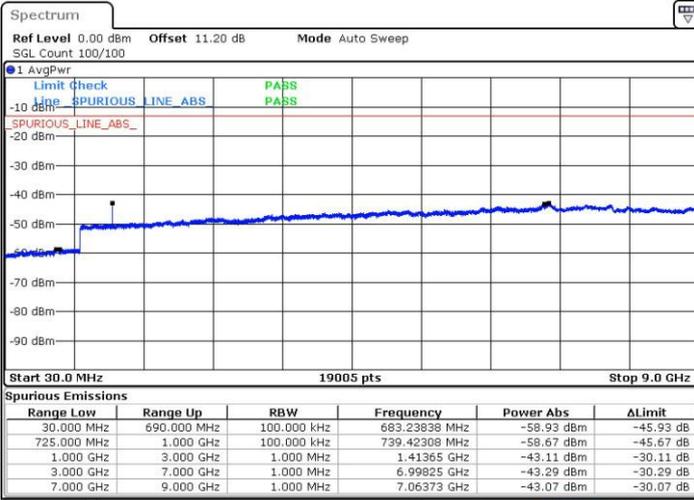


Date: 9 FEB 2016 09:58:19

Date: 9 FEB 2016 09:57:25

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9 FEB 2016 10:08:05

Date: 9 FEB 2016 10:08:59



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

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 17

### Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.29	4.99	5.68	6.09	<b>PASS</b>
Middle CH	4.43	4.99	6.09	6.03	
Highest CH	4.41	5.1	5.8	6.09	



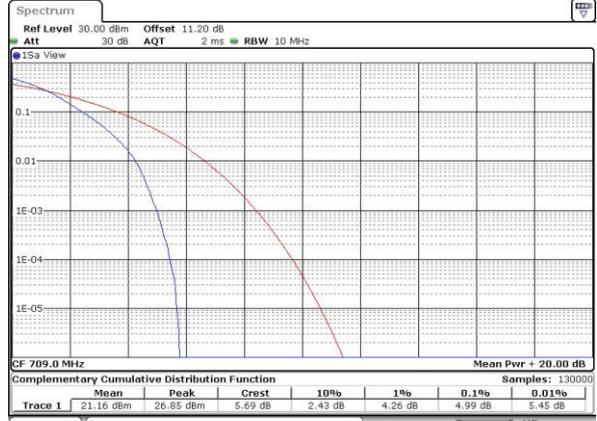
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 9 FEB 2016 14:40:16

Lowest Channel / Full RB



Date: 9 FEB 2016 14:40:26

Middle Channel / 1RB



Date: 9 FEB 2016 14:40:36

Middle Channel / Full RB



Date: 9 FEB 2016 14:40:46

Highest Channel / 1RB



Date: 9 FEB 2016 14:40:55

Highest Channel / Full RB

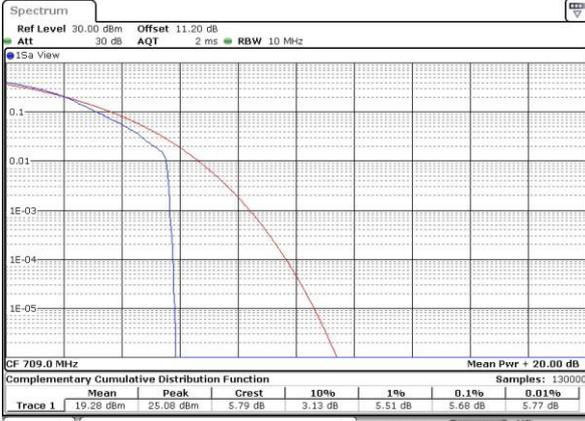


Date: 9 FEB 2016 14:41:05



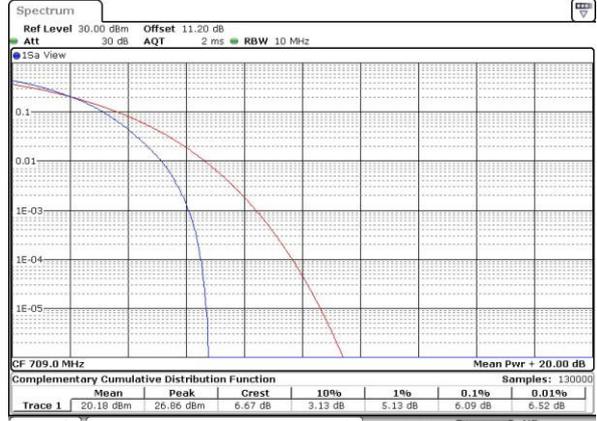
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 9 FEB 2016 14:39:14

Lowest Channel / Full RB



Date: 9 FEB 2016 14:39:24

Middle Channel / 1RB



Date: 9 FEB 2016 14:39:34

Middle Channel / Full RB



Date: 9 FEB 2016 14:39:44

Highest Channel / 1RB



Date: 9 FEB 2016 14:39:54

Highest Channel / Full RB



Date: 9 FEB 2016 14:40:05



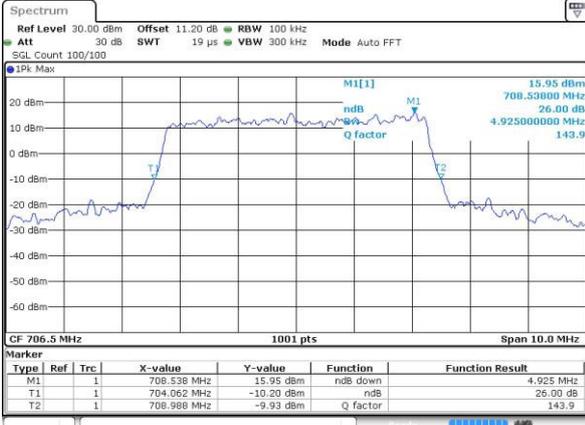
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.93	4.91	9.85	9.65	-	-	-	-
Middle CH	-	-	-	-	4.9	4.89	9.67	9.95	-	-	-	-
Highest CH	-	-	-	-	4.99	4.9	9.71	9.83	-	-	-	-



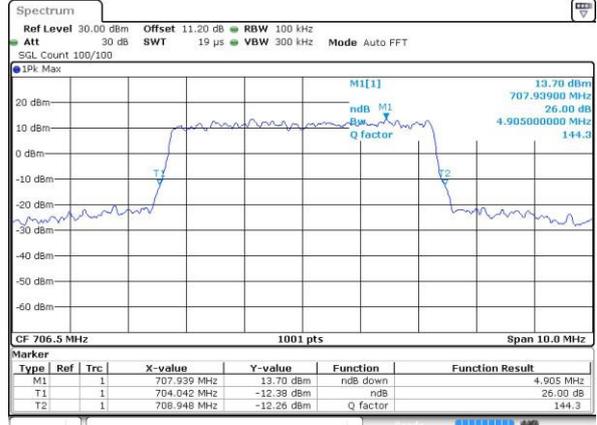
LTE Band 17

Lowest Channel / 5MHz / QPSK



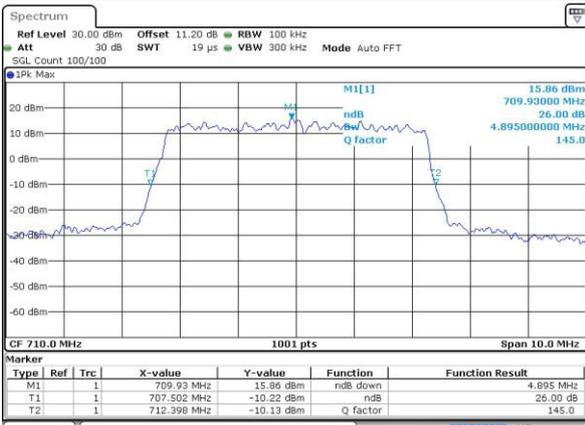
Date: 9 FEB 2016 13:48:35

Lowest Channel / 5MHz / 16QAM



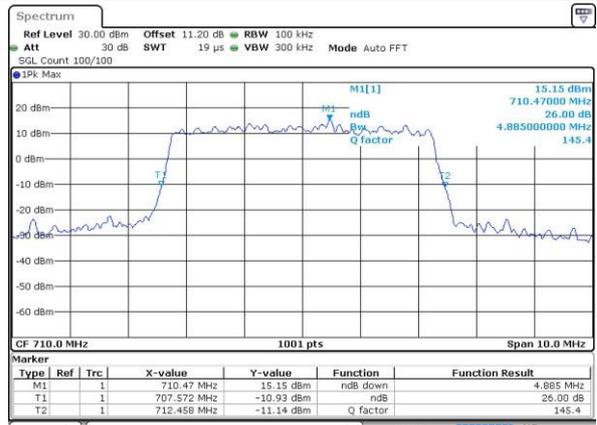
Date: 9 FEB 2016 13:48:45

Middle Channel / 5MHz / QPSK



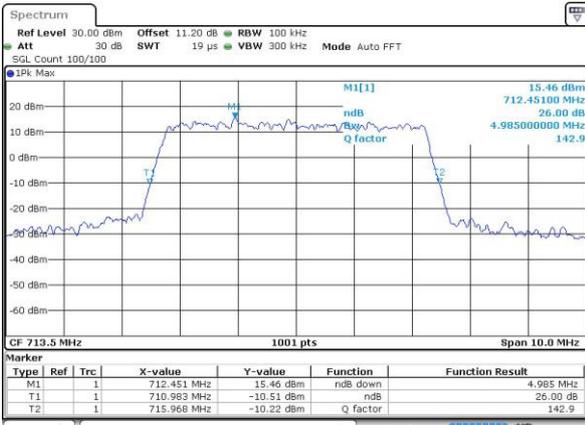
Date: 9 FEB 2016 13:59:15

Middle Channel / 5MHz / 16QAM



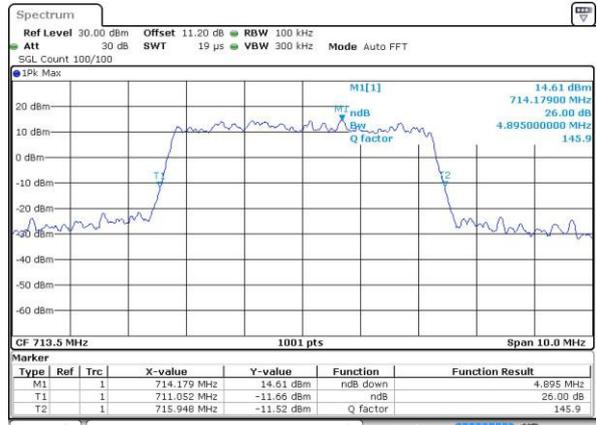
Date: 9 FEB 2016 13:59:25

Highest Channel / 5MHz / QPSK



Date: 9 FEB 2016 14:01:46

Highest Channel / 5MHz / 16QAM



Date: 9 FEB 2016 14:01:56