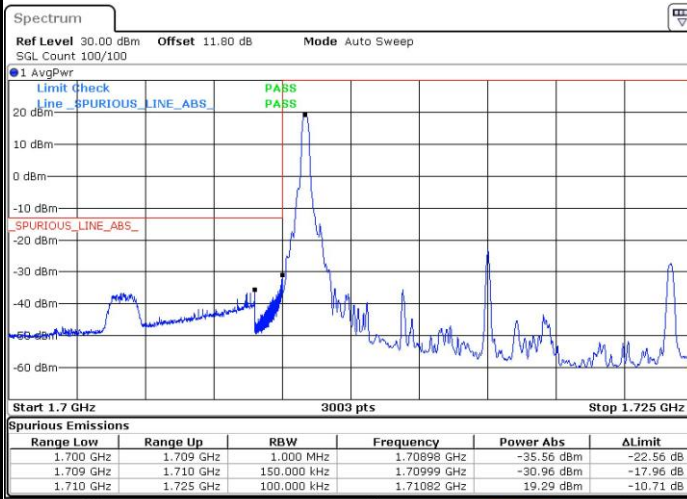




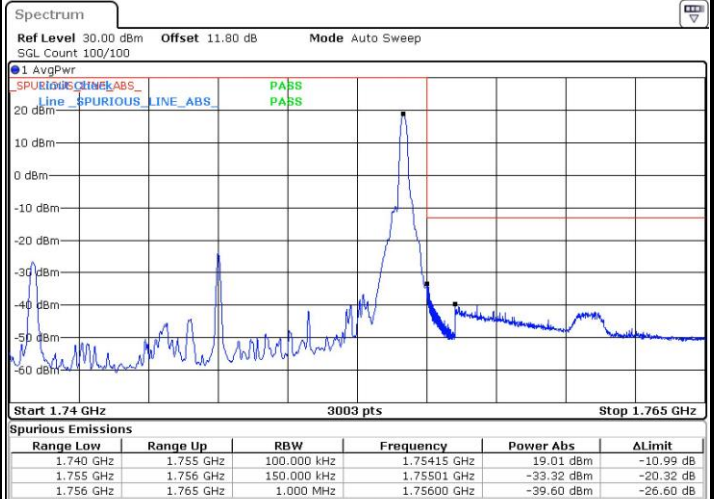
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1RB



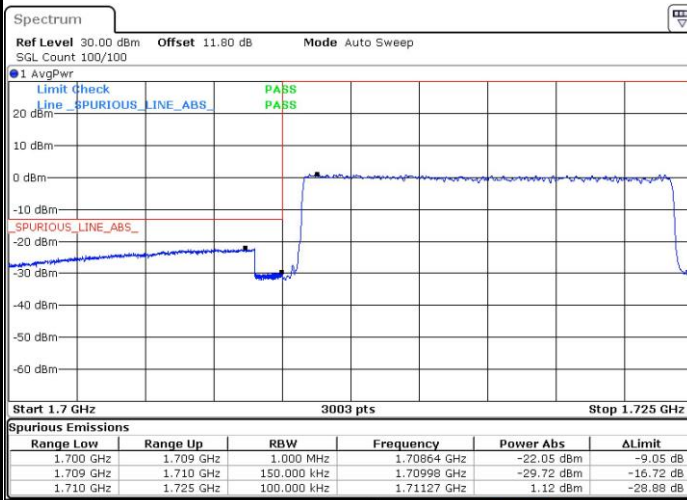
Date: 22 APR 2015 20:12:02

Highest Band Edge / 1RB



Date: 22 APR 2015 20:25:26

Lowest Band Edge / Full RB



Date: 22 APR 2015 21:27:13

Highest Band Edge / Full RB

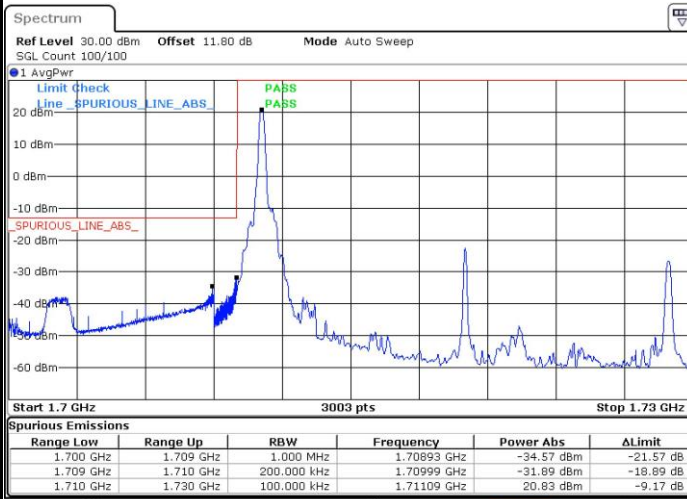


Date: 22 APR 2015 20:28:01



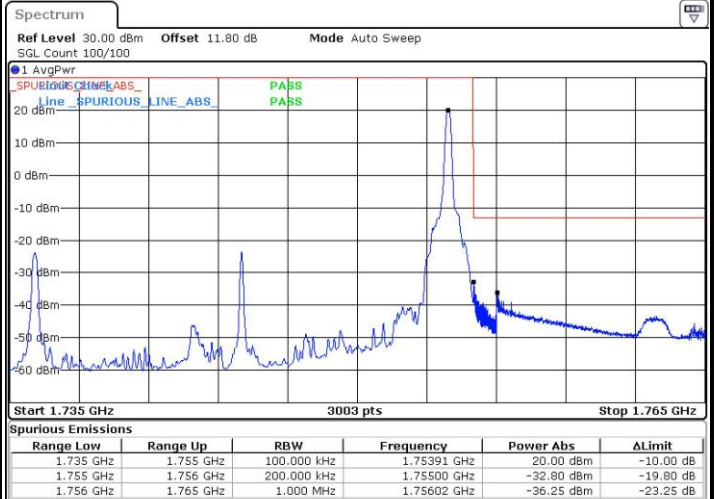
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1RB



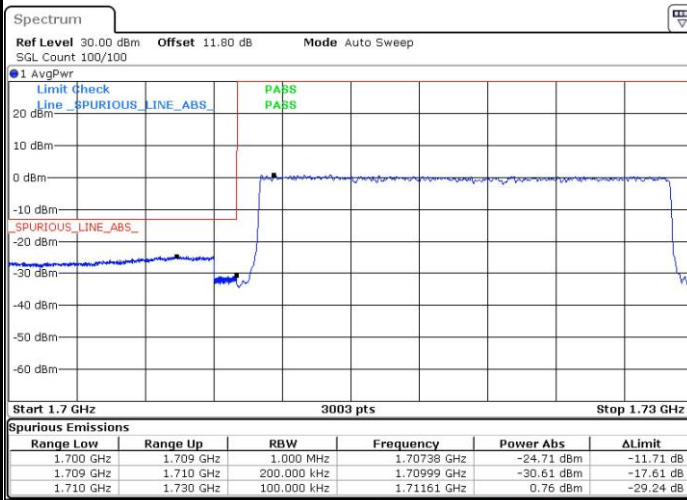
Date: 22 APR 2015 20:33:11

Highest Band Edge / 1RB



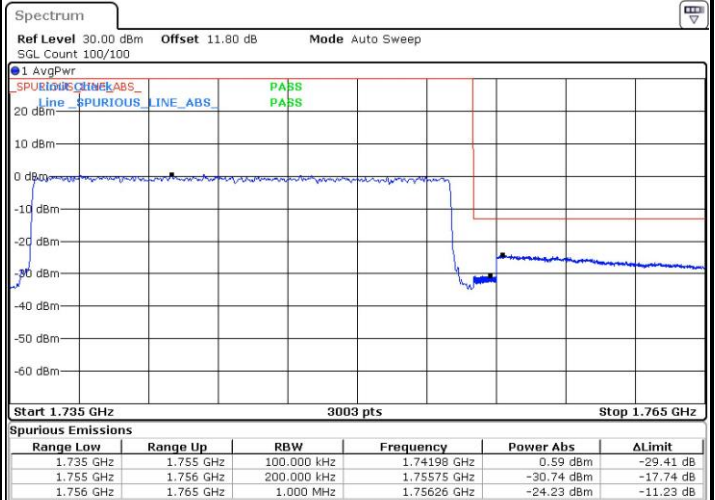
Date: 22 APR 2015 20:45:53

Lowest Band Edge / Full RB



Date: 22 APR 2015 20:35:45

Highest Band Edge / Full RB

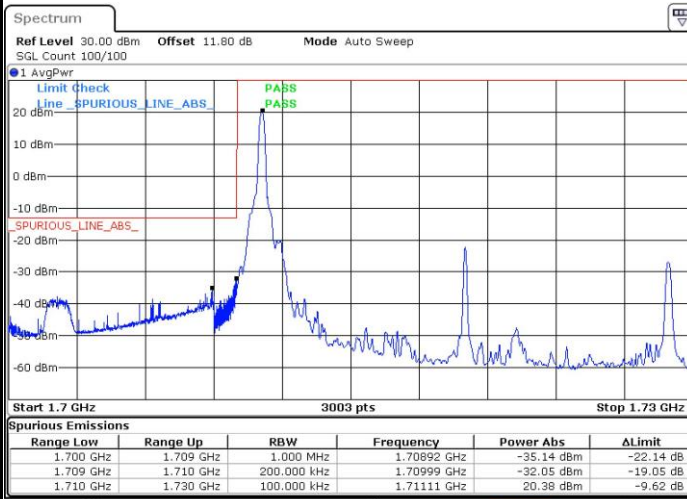


Date: 22 APR 2015 20:48:28



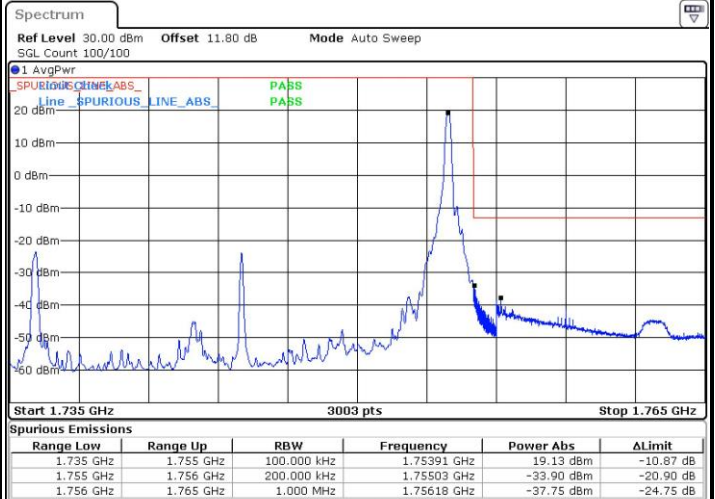
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1RB



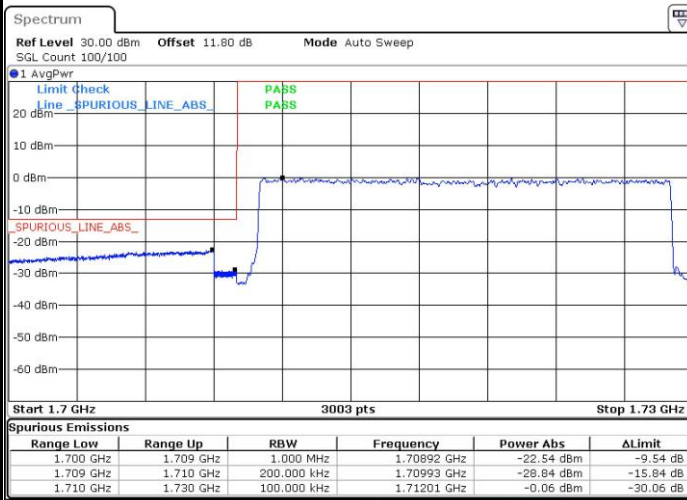
Date: 22 APR 2015 20:34:29

Highest Band Edge / 1RB



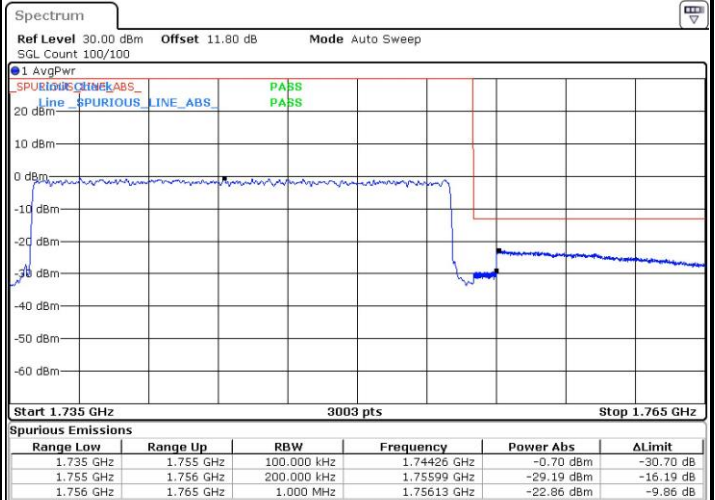
Date: 22 APR 2015 20:47:11

Lowest Band Edge / Full RB



Date: 22 APR 2015 20:37:02

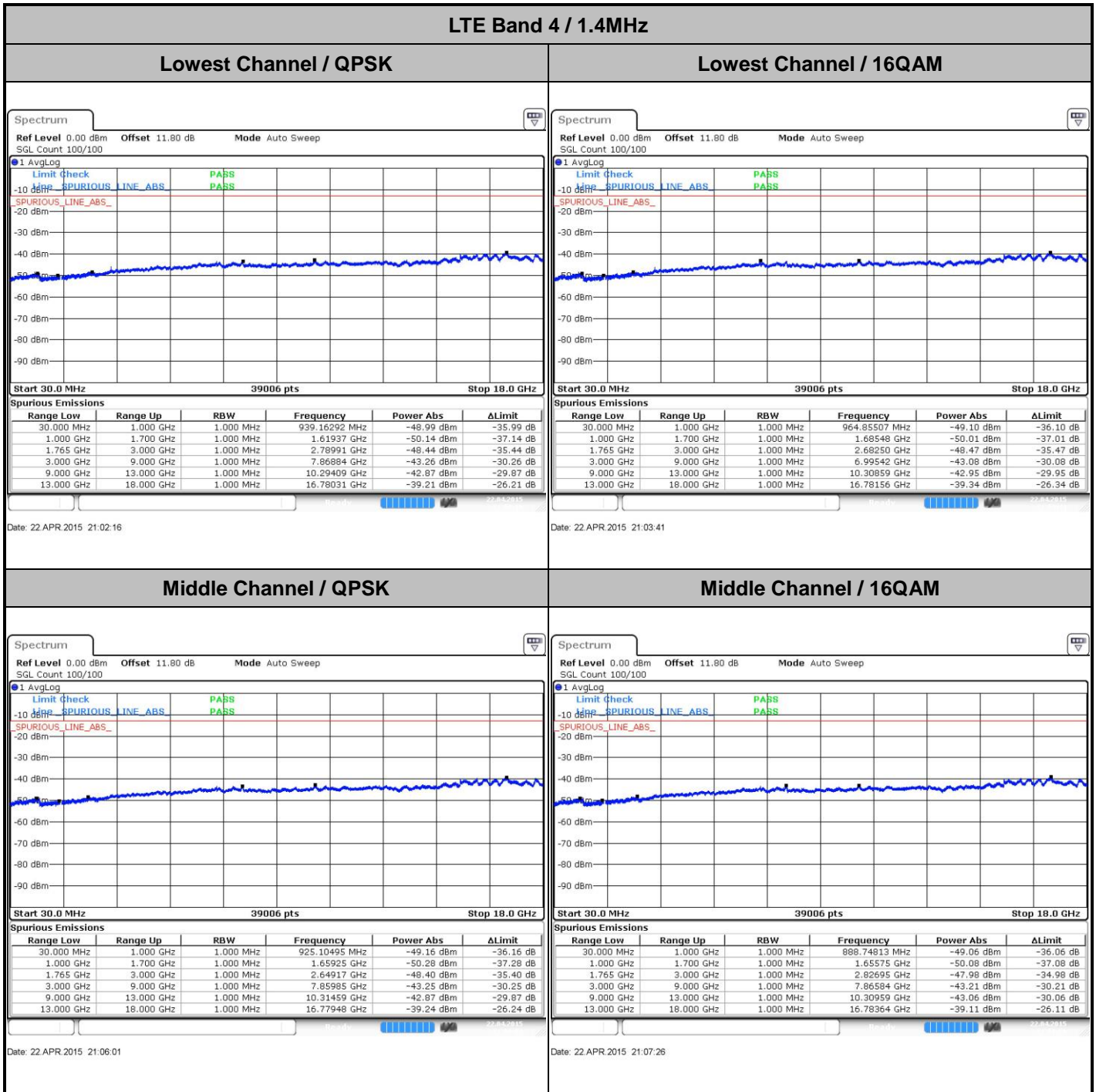
Highest Band Edge / Full RB



Date: 22 APR 2015 20:49:44



Conducted Spurious Emission

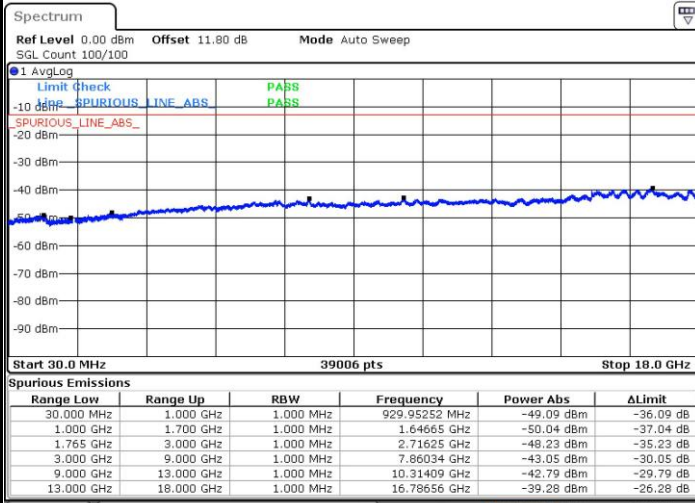




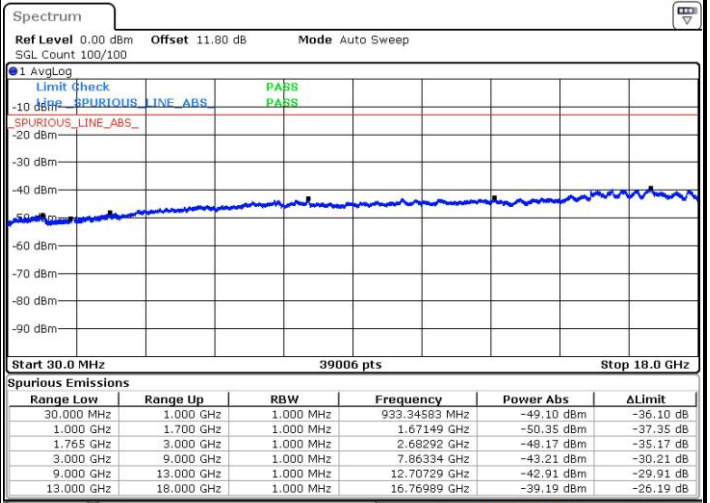
LTE Band 4 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 APR 2015 21:14:54

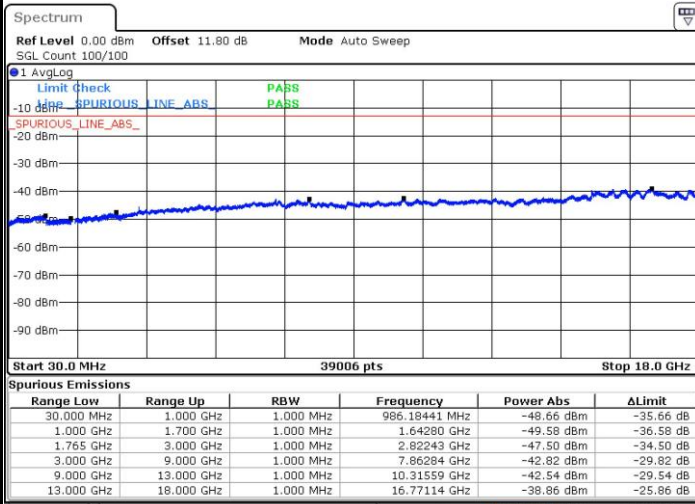


Date: 22 APR 2015 21:16:19

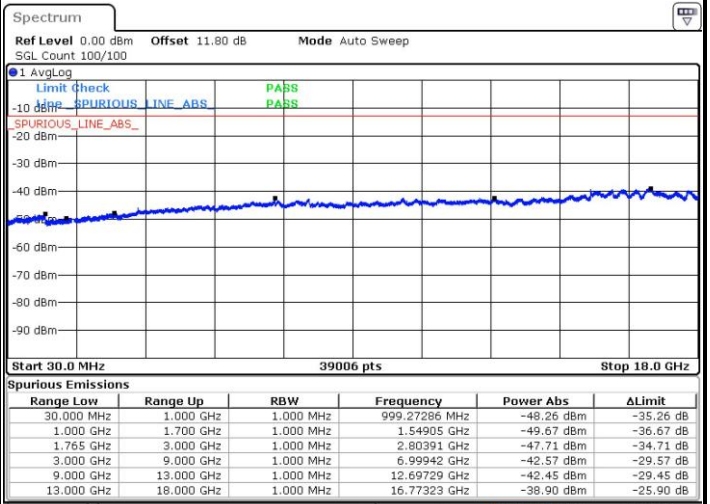
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22 APR 2015 00:31:51



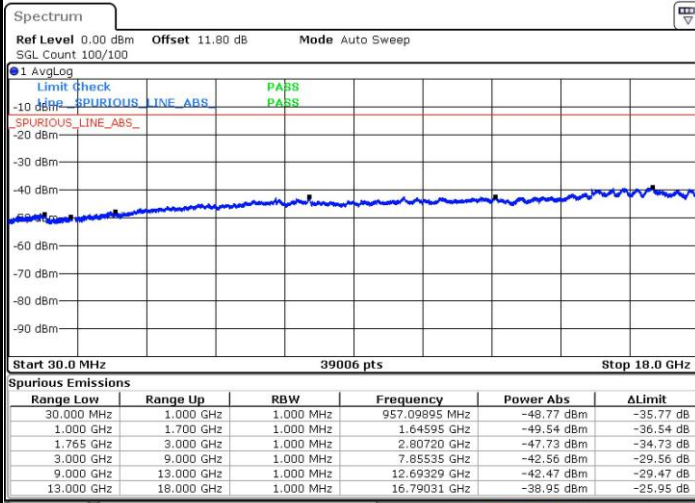
Date: 22 APR 2015 00:33:19



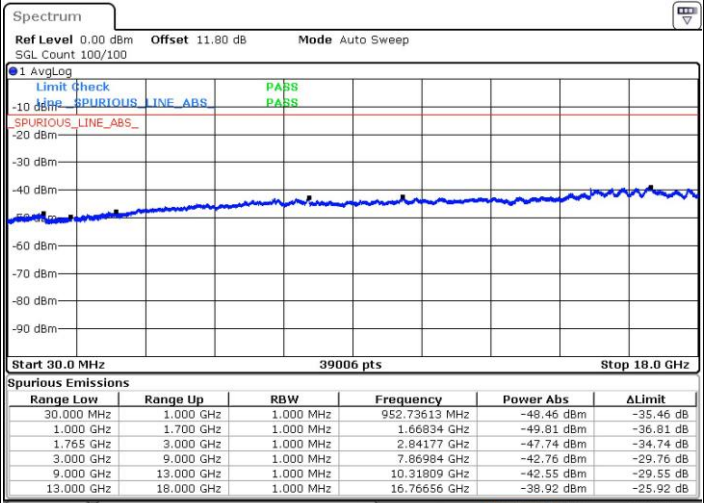
LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



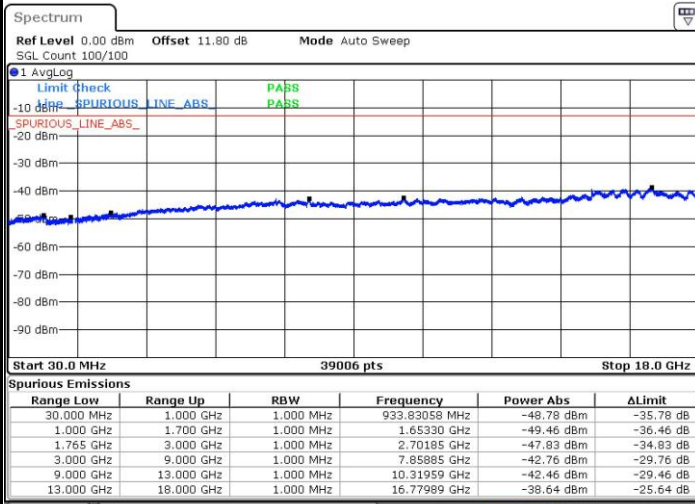
Date: 22 APR 2015 00:35:49



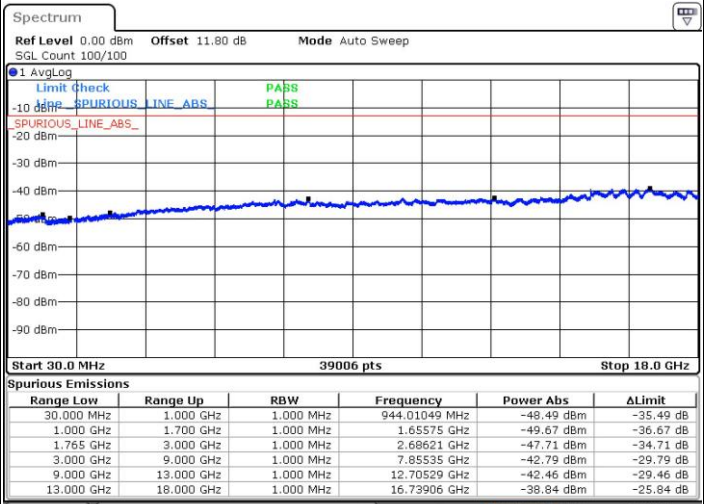
Date: 22 APR 2015 00:37:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 APR 2015 00:44:57



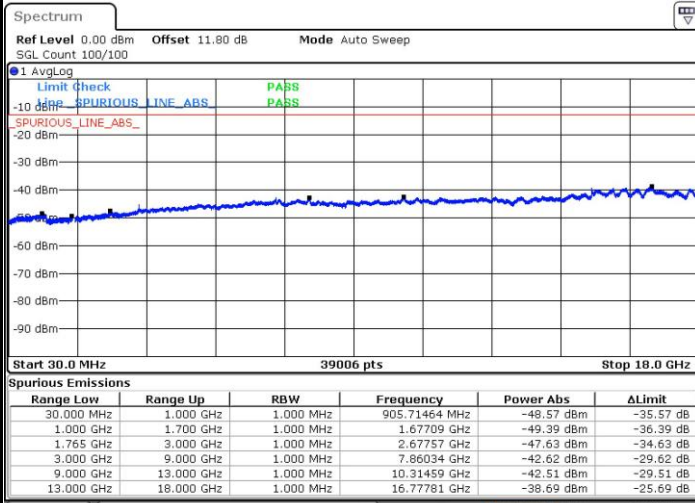
Date: 22 APR 2015 00:46:23



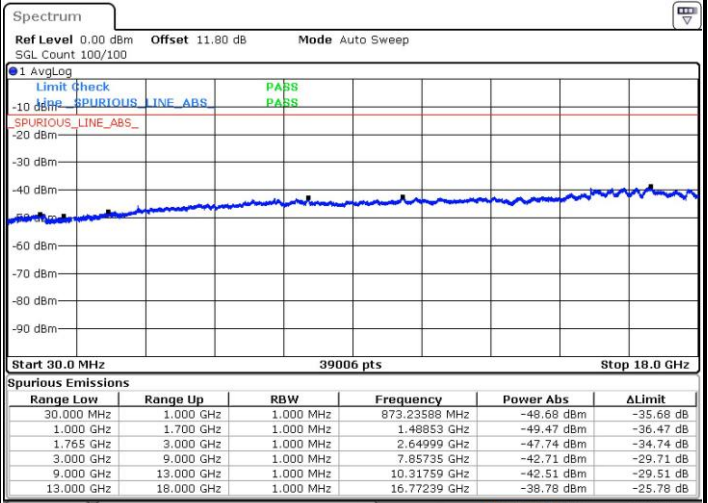
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



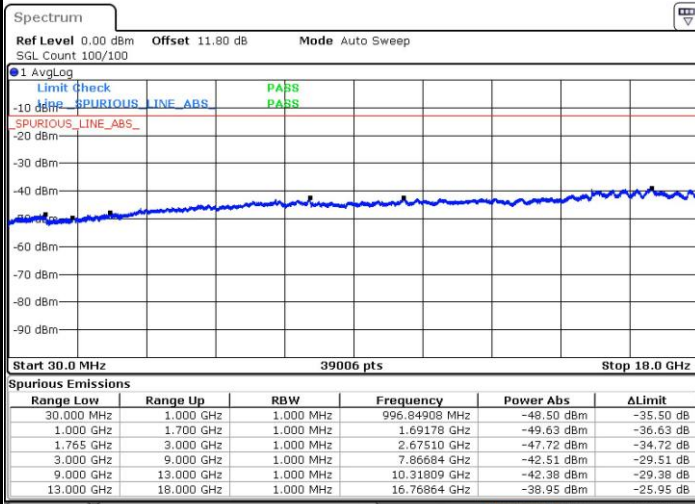
Date: 22 APR 2015 00:58:17



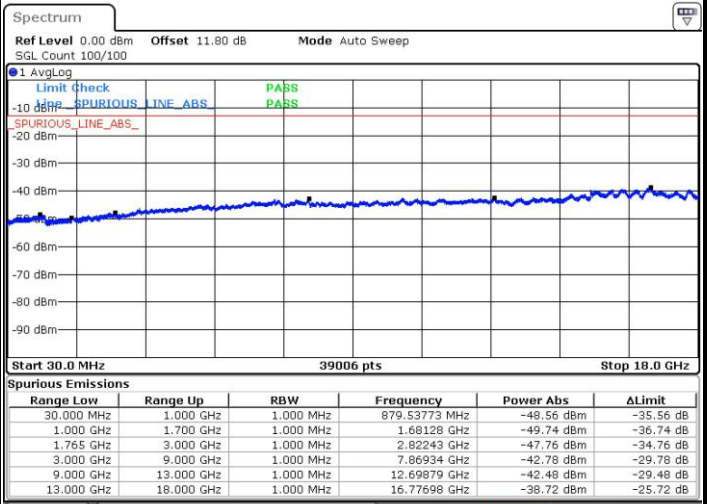
Date: 22 APR 2015 01:16:33

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 22 APR 2015 01:02:35

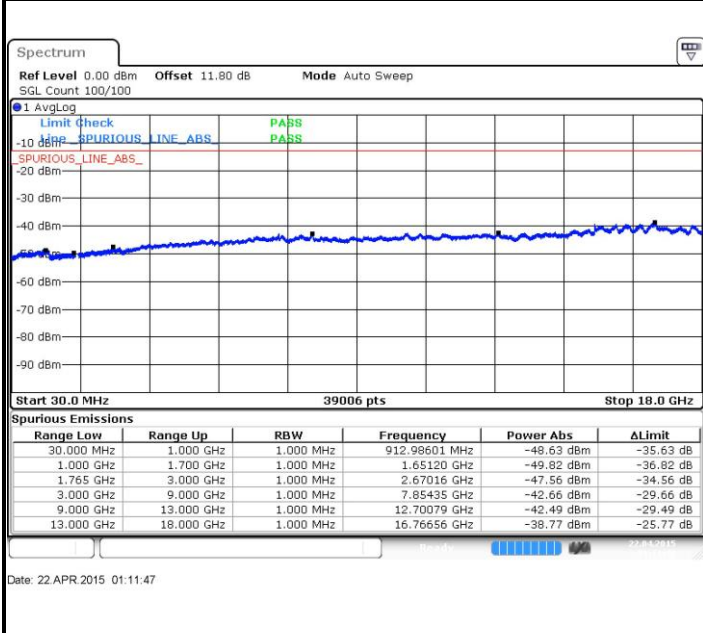


Date: 22 APR 2015 01:04:03

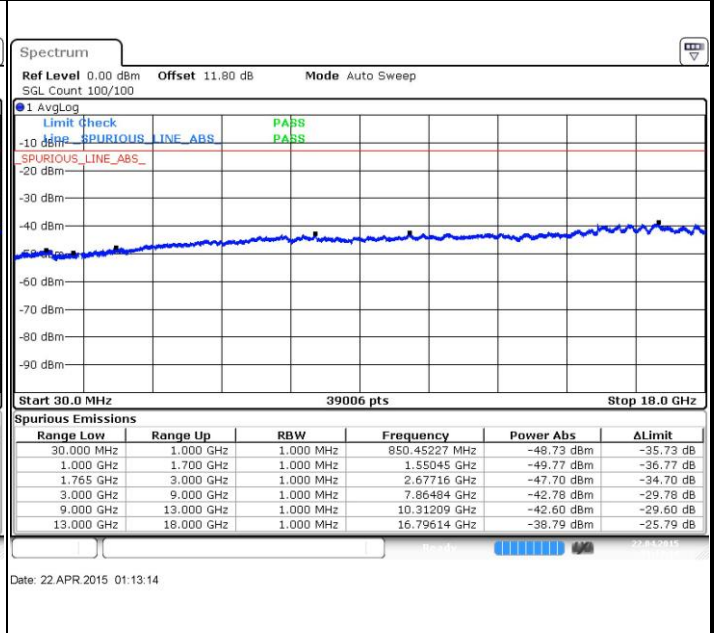


LTE Band 4 / 5MHz

Highest Channel / QPSK

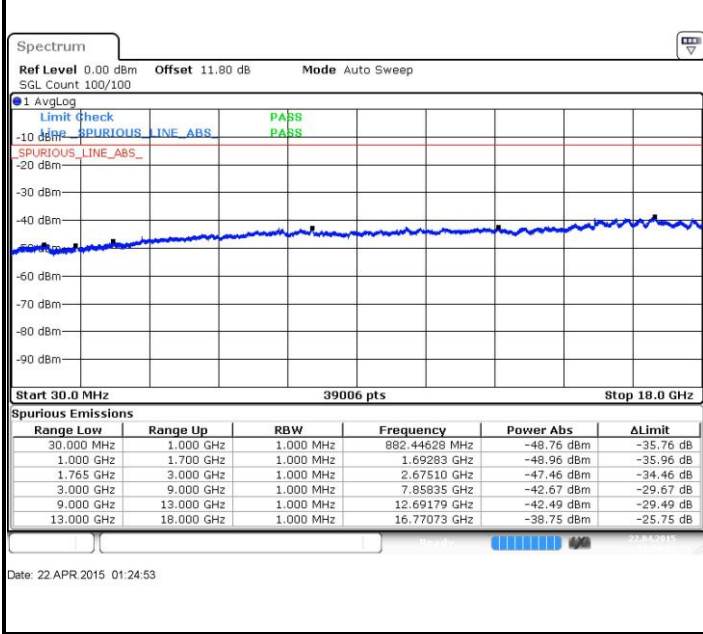


Highest Channel / 16QAM

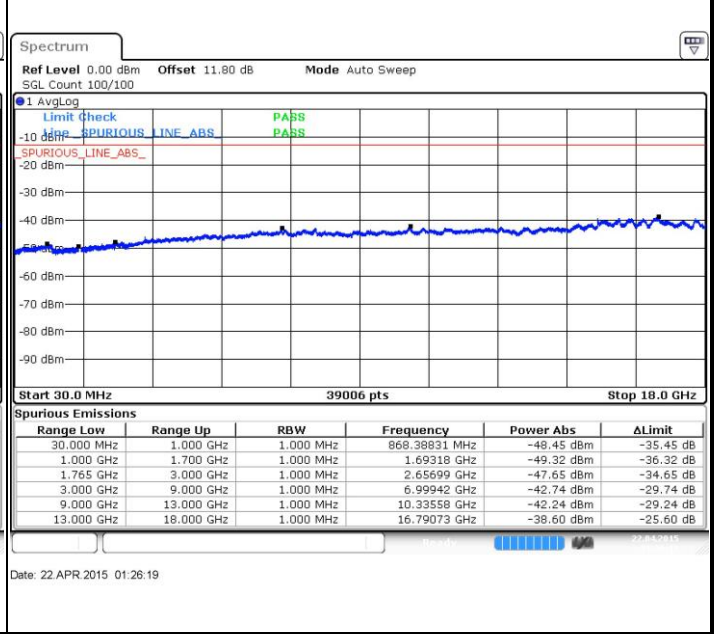


LTE Band 4 / 10MHz

Lowest Channel / QPSK



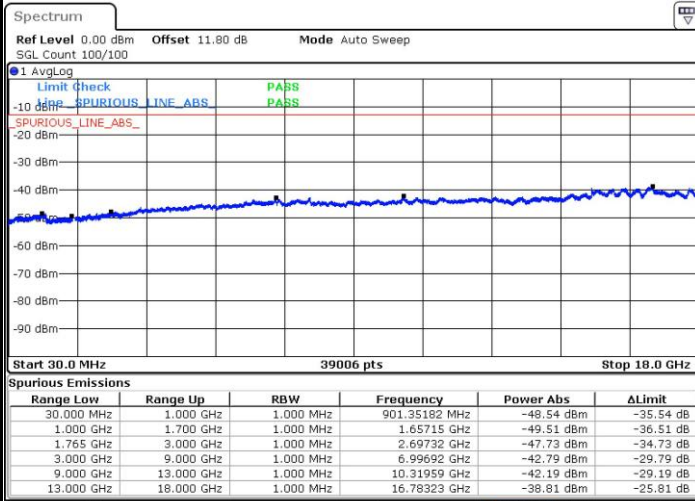
Lowest Channel / 16QAM





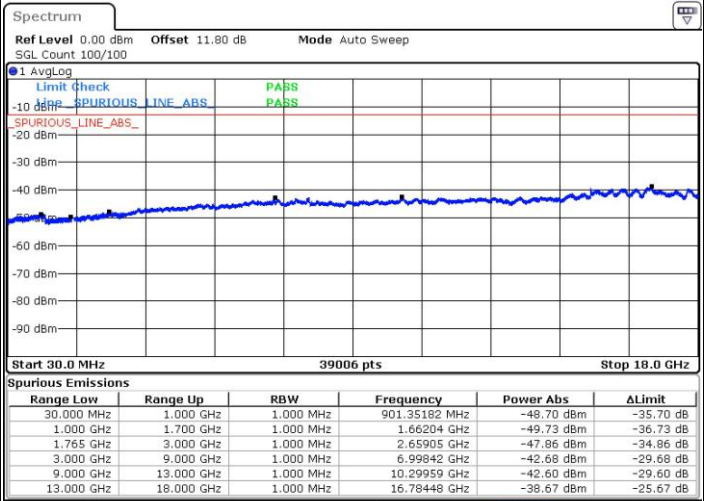
LTE Band 4 / 10MHz

Middle Channel / QPSK



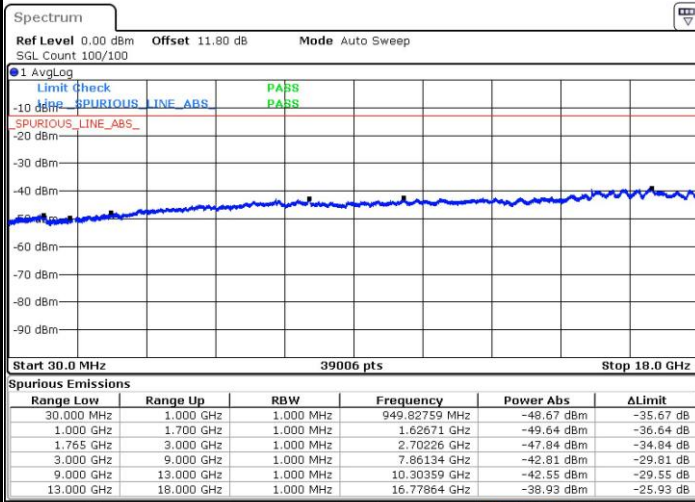
Date: 22 APR 2015 01:28:48

Middle Channel / 16QAM



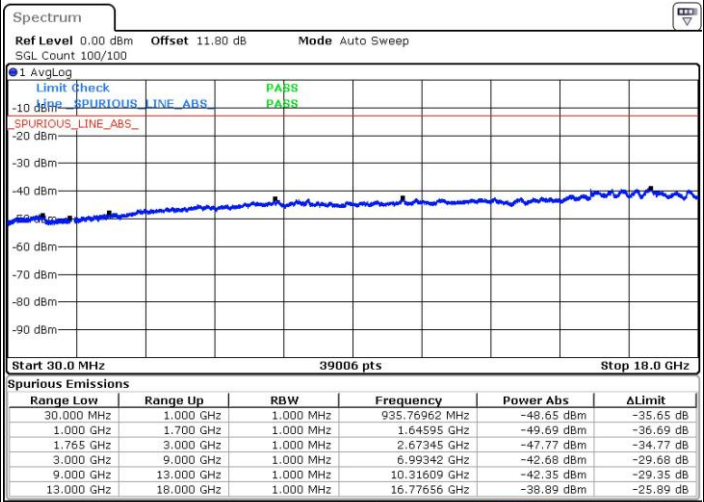
Date: 22 APR 2015 01:30:16

Highest Channel / QPSK



Date: 22 APR 2015 01:37:59

Highest Channel / 16QAM



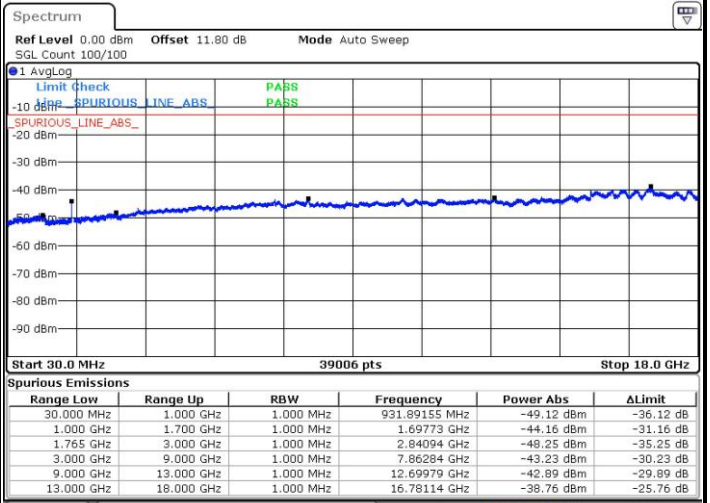
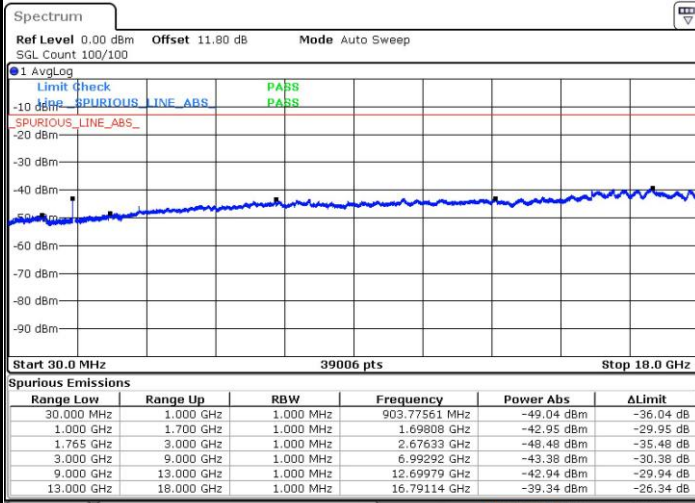
Date: 22 APR 2015 01:39:27



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

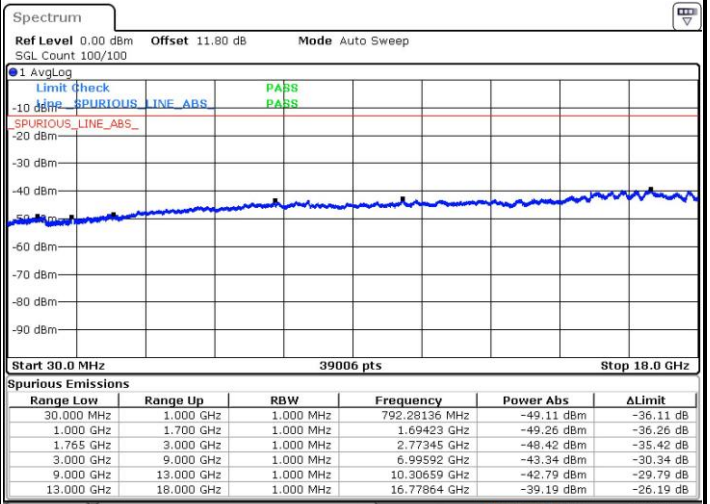
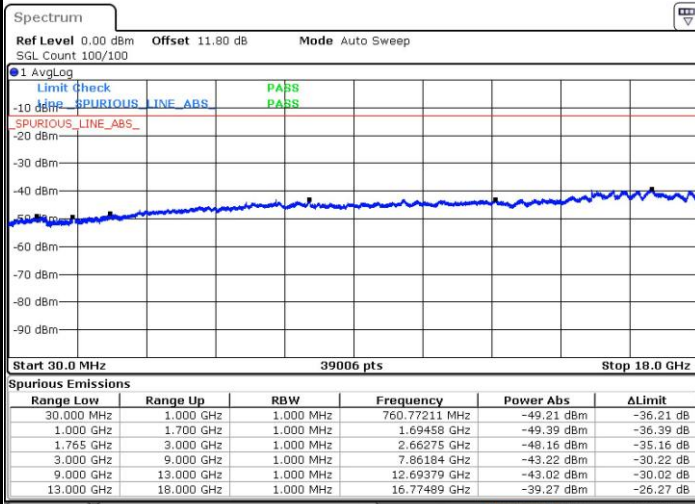


Date: 22 APR 2015 20:15:59

Date: 22 APR 2015 20:17:25

Middle Channel / QPSK

Middle Channel / 16QAM



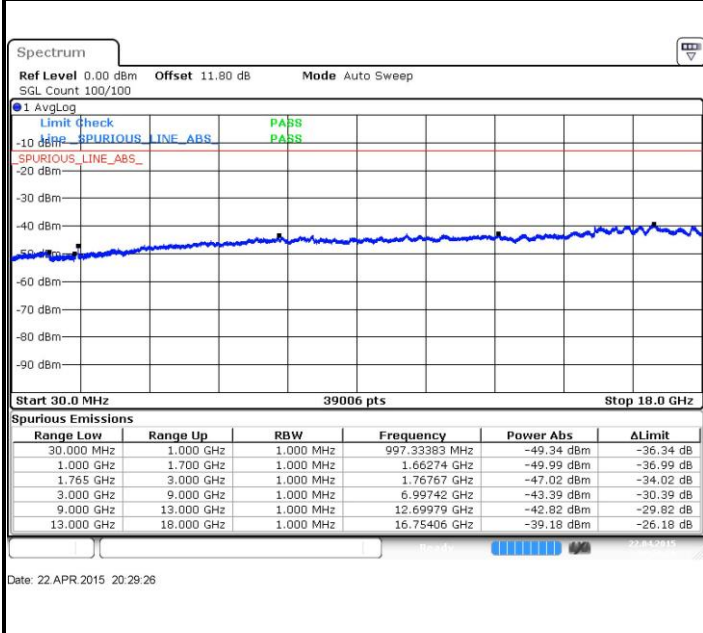
Date: 22 APR 2015 20:19:46

Date: 22 APR 2015 21:28:25

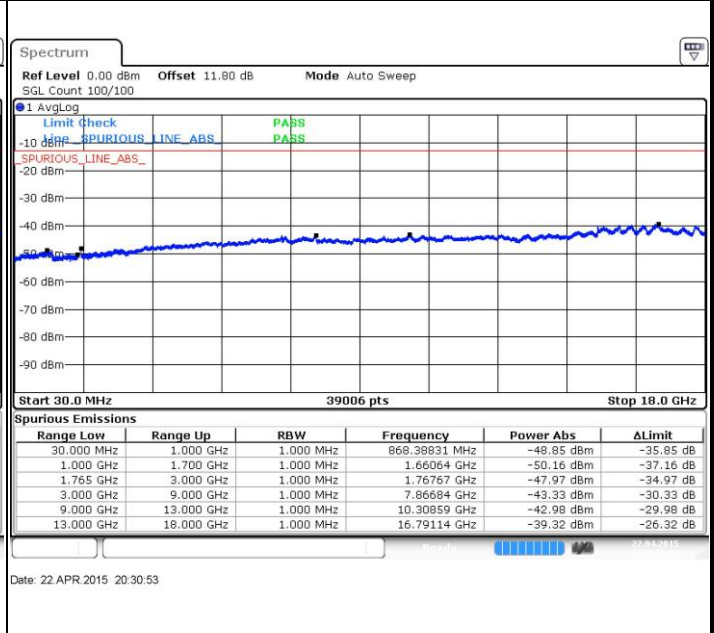


LTE Band 4 / 15MHz

Highest Channel / QPSK

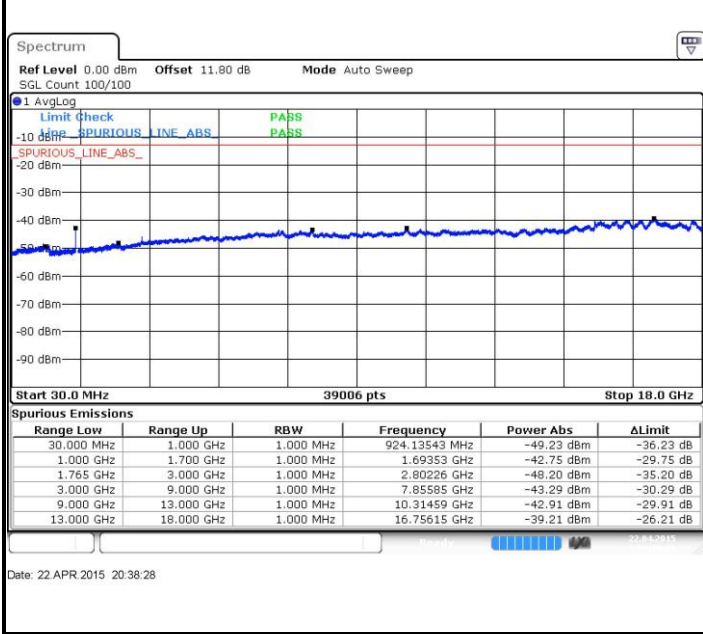


Highest Channel / 16QAM

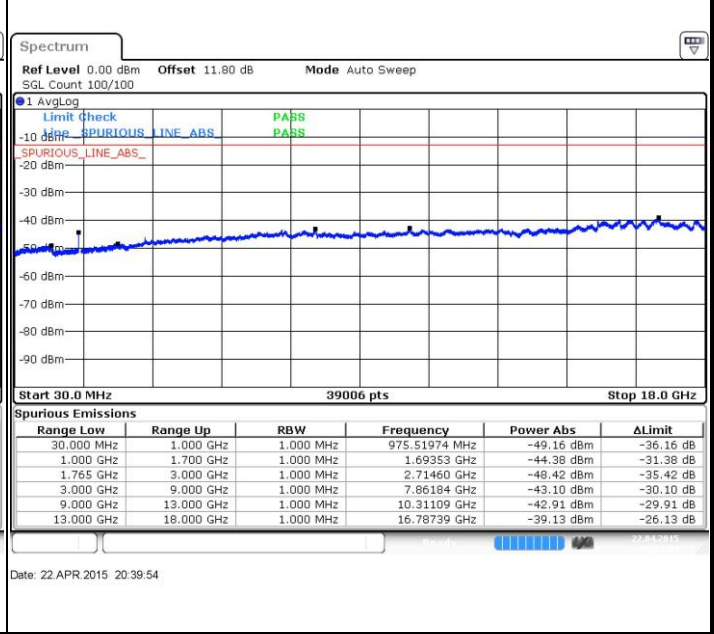


LTE Band 4 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

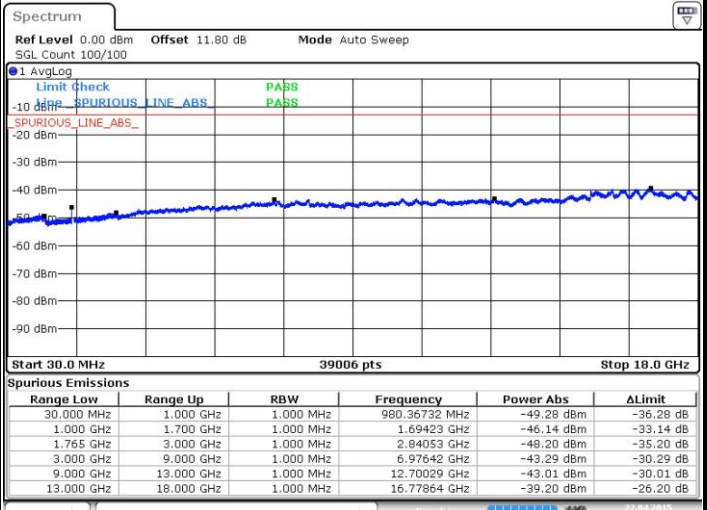
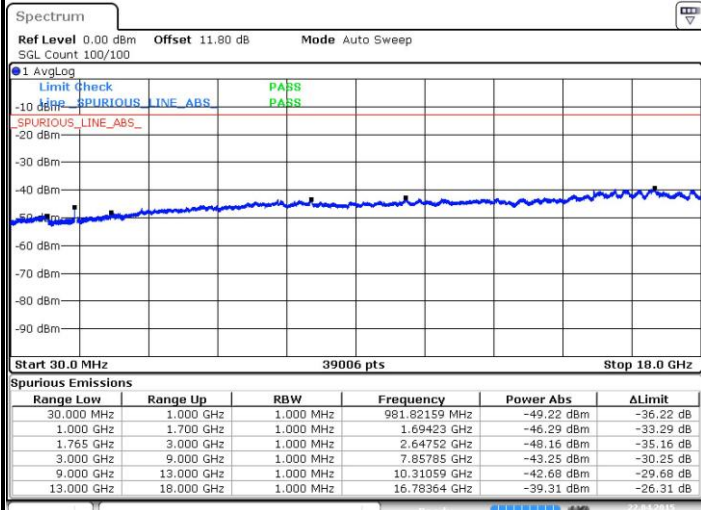




LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

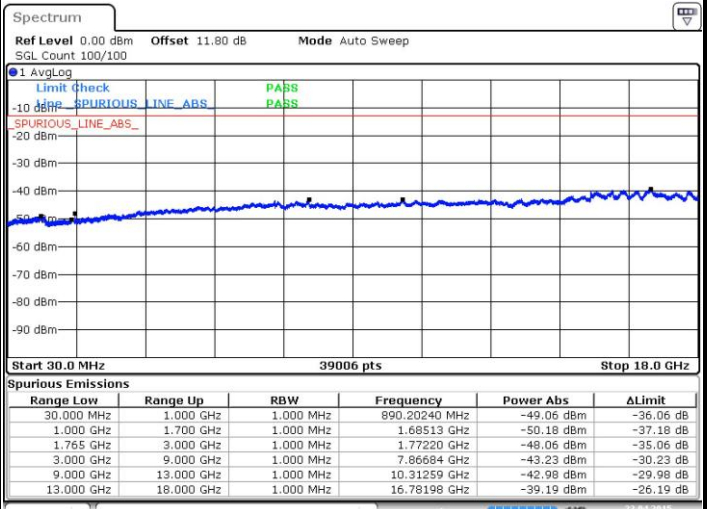
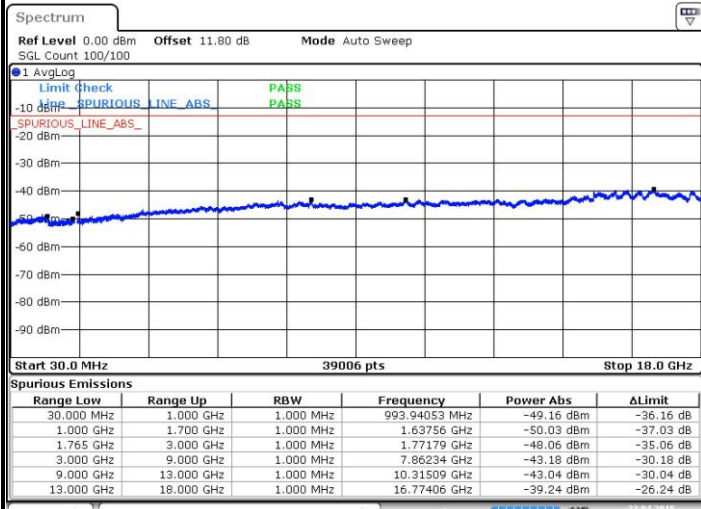


Date: 22 APR 2015 20:42:16

Date: 22 APR 2015 20:43:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 APR 2015 20:51:09

Date: 22 APR 2015 21:26:03



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0070	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0061	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0074	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.87 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 based on the frequency deviation measured is small.



LTE Band 5

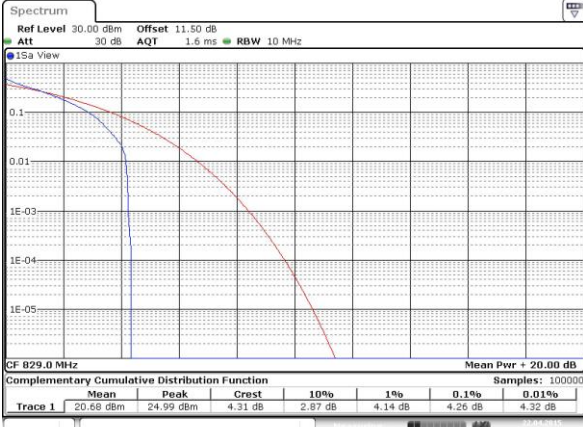
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.26	5.22	5.19	6.17	PASS
Middle CH	4.41	5.16	5.39	6.03	
Highest CH	4.23	5.33	5.33	6.35	



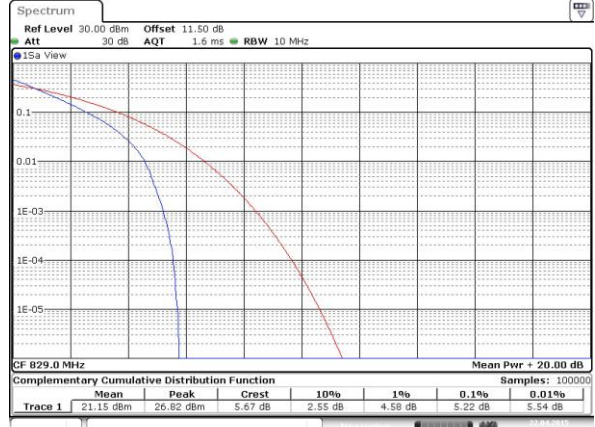
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



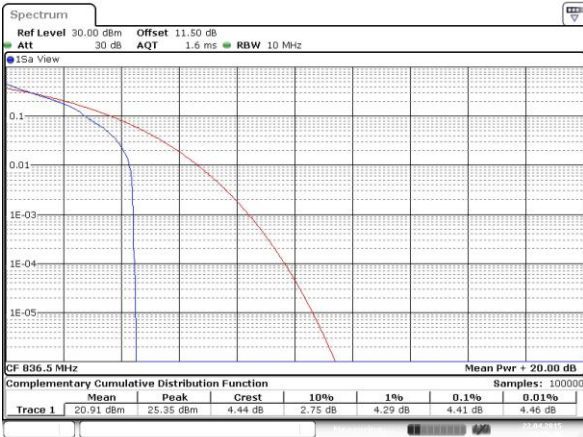
Date: 22 APR 2015 23:48:51

Lowest Channel / Full RB



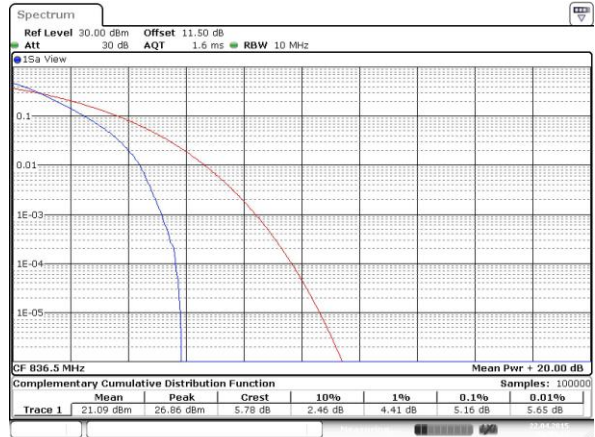
Date: 22 APR 2015 23:49:25

Middle Channel / 1RB



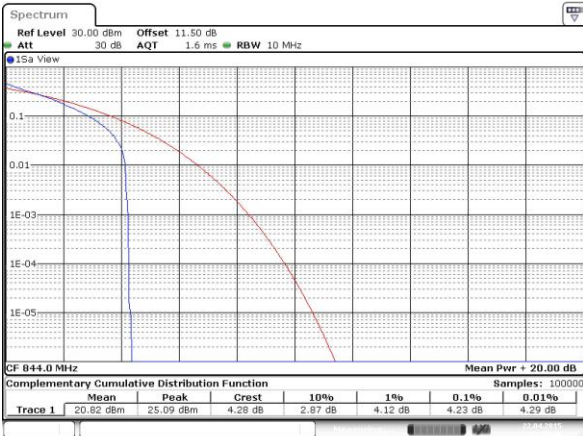
Date: 22 APR 2015 23:49:39

Middle Channel / Full RB



Date: 22 APR 2015 23:49:53

Highest Channel / 1RB



Date: 22 APR 2015 23:50:07

Highest Channel / Full RB

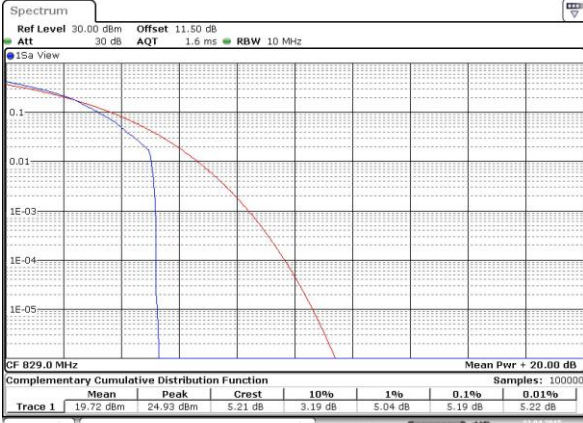


Date: 22 APR 2015 23:50:21



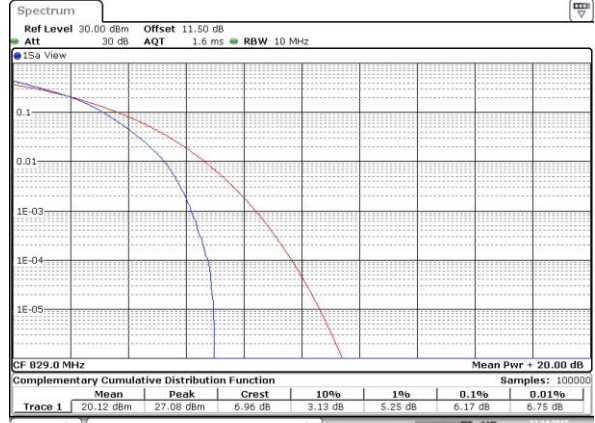
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



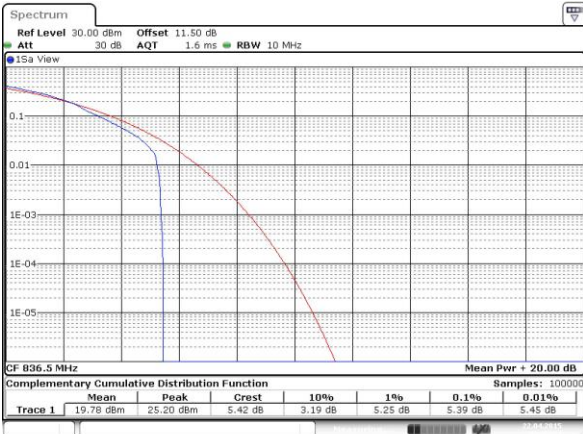
Date: 22 APR 2015 23:51:28

Lowest Channel / Full RB



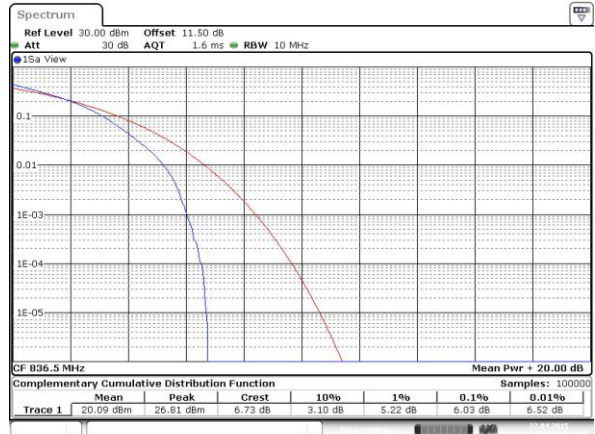
Date: 22 APR 2015 23:51:42

Middle Channel / 1RB



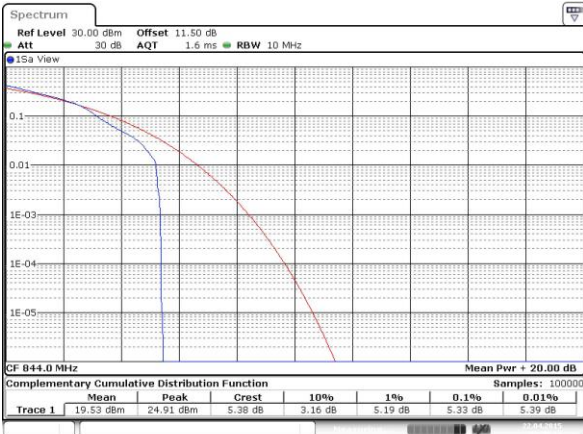
Date: 22 APR 2015 23:47:32

Middle Channel / Full RB



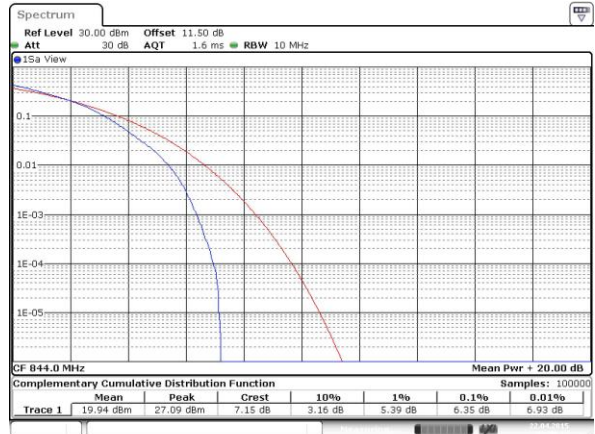
Date: 22 APR 2015 23:47:46

Highest Channel / 1RB



Date: 22 APR 2015 23:48:17

Highest Channel / Full RB



Date: 22 APR 2015 23:48:34