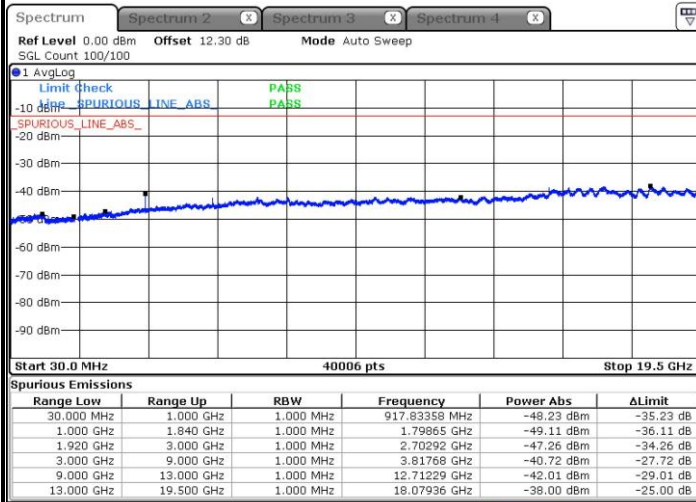




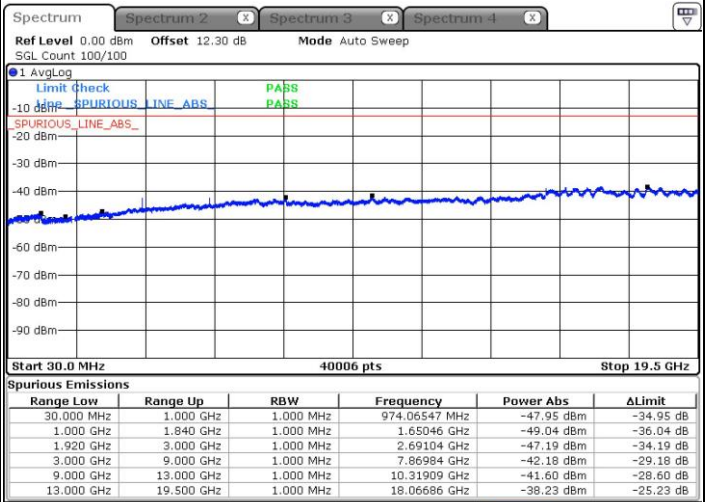
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 9 MAY 2015 00:44:13

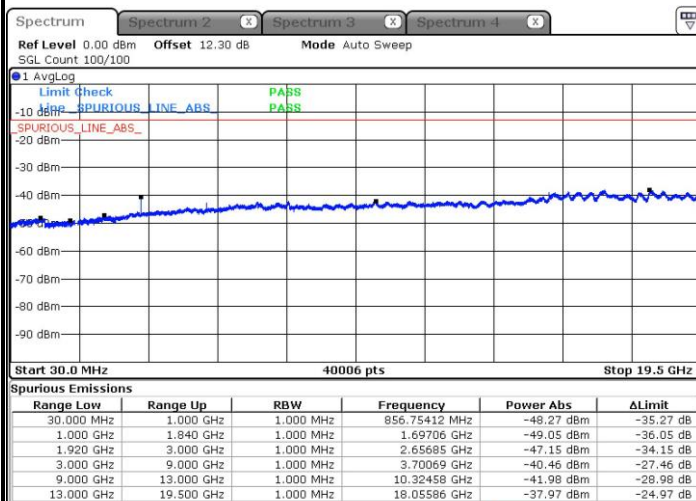
Highest Channel / 16QAM



Date: 9 MAY 2015 00:45:25

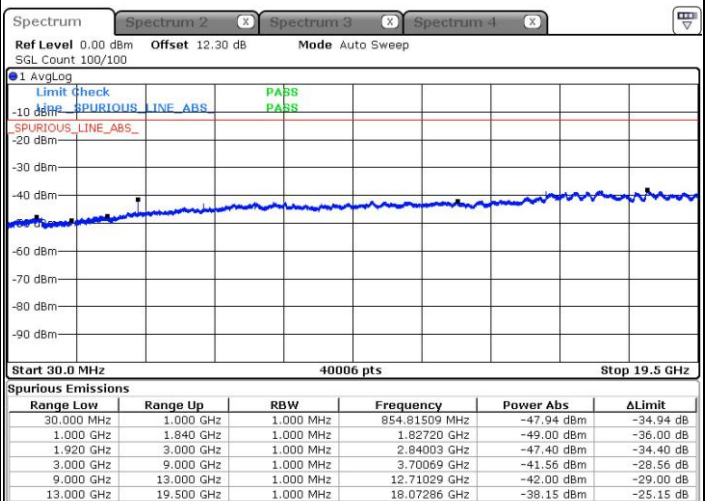
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 9 MAY 2015 00:57:03

Lowest Channel / 16QAM

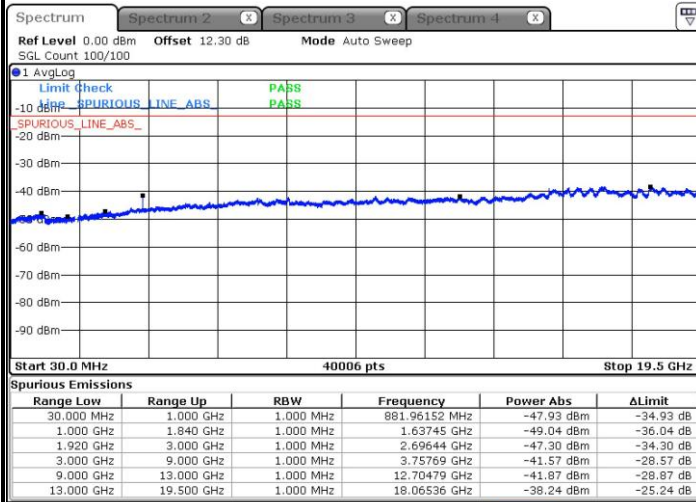


Date: 9 MAY 2015 00:58:16



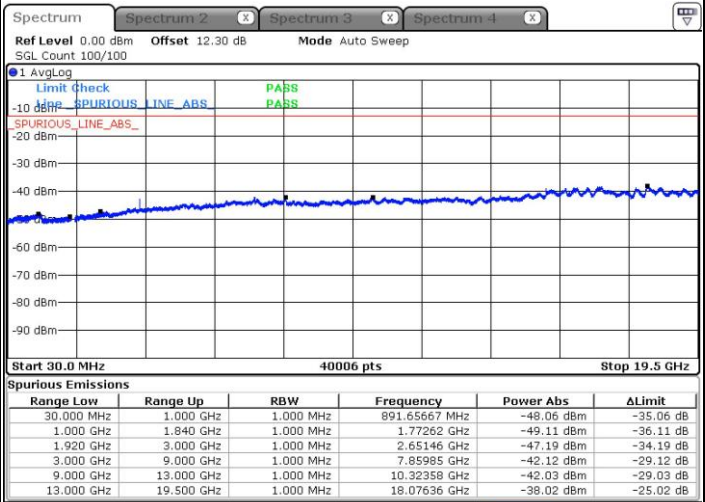
LTE Band 2 / 3MHz

Middle Channel / QPSK



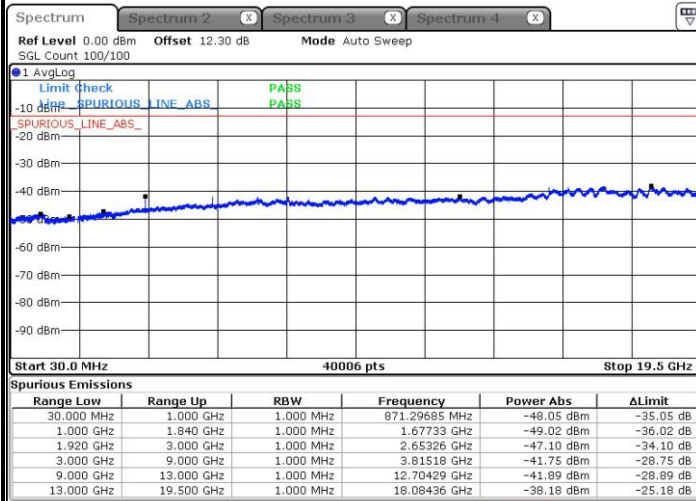
Date: 9 MAY 2015 01:00:16

Middle Channel / 16QAM



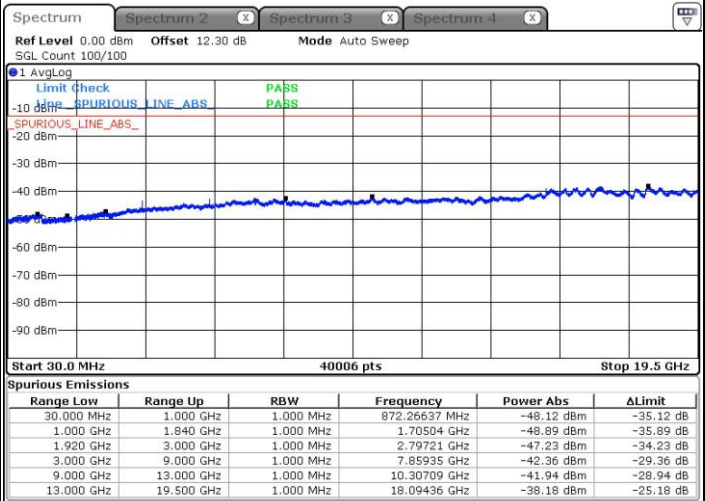
Date: 9 MAY 2015 01:01:29

Highest Channel / QPSK



Date: 9 MAY 2015 01:08:09

Highest Channel / 16QAM

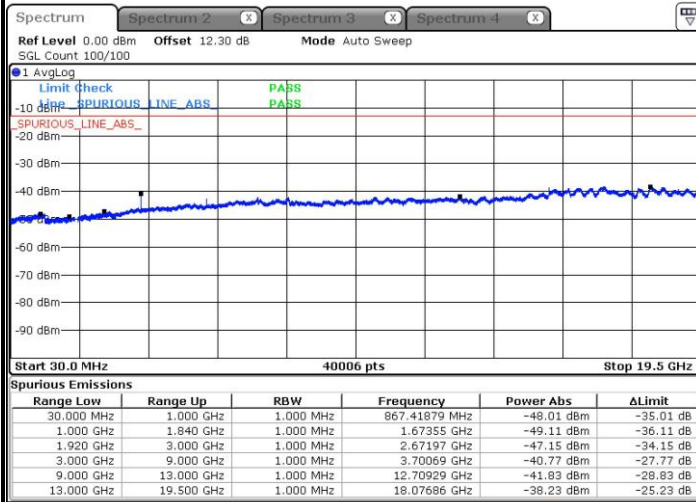


Date: 9 MAY 2015 01:09:22



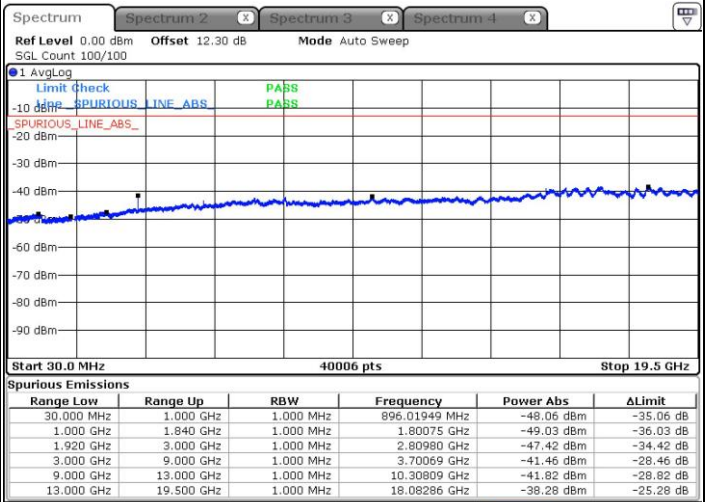
LTE Band 2 / 5MHz

Lowest Channel / QPSK



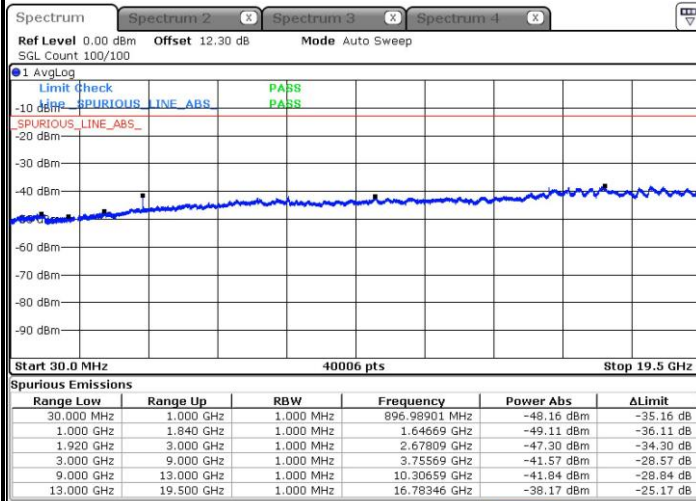
Date: 9 MAY 2015 01:18:53

Lowest Channel / 16QAM



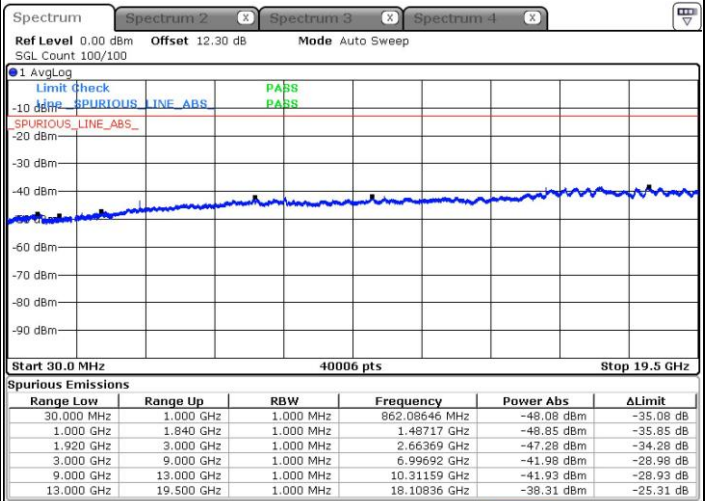
Date: 9 MAY 2015 01:20:06

Middle Channel / QPSK



Date: 9 MAY 2015 01:22:05

Middle Channel / 16QAM

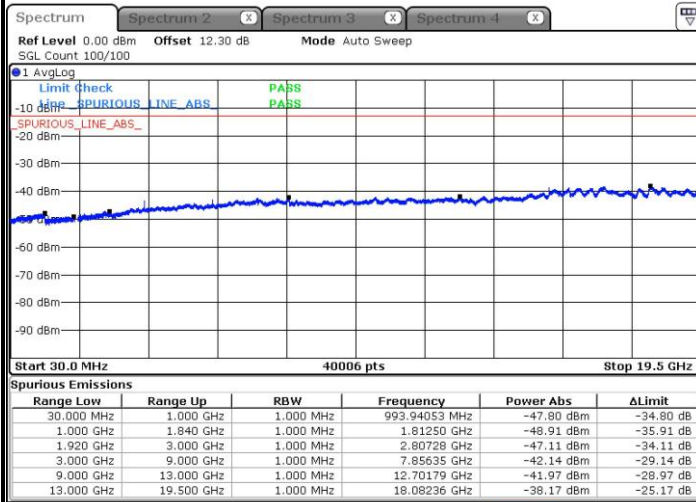


Date: 9 MAY 2015 01:23:18



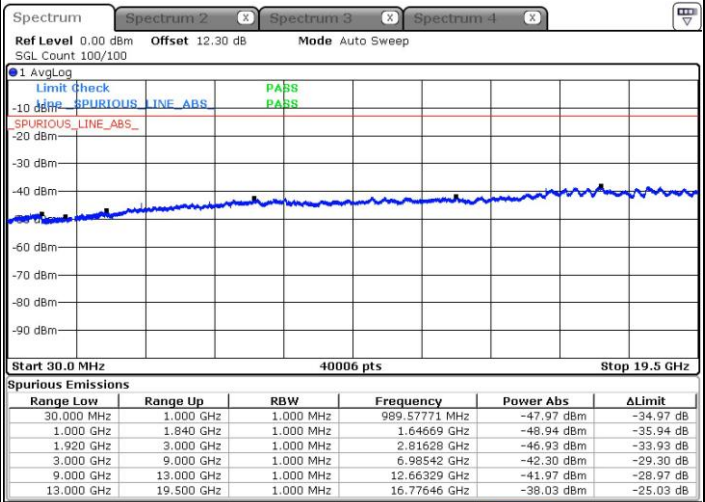
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 9 MAY 2015 01:29:58

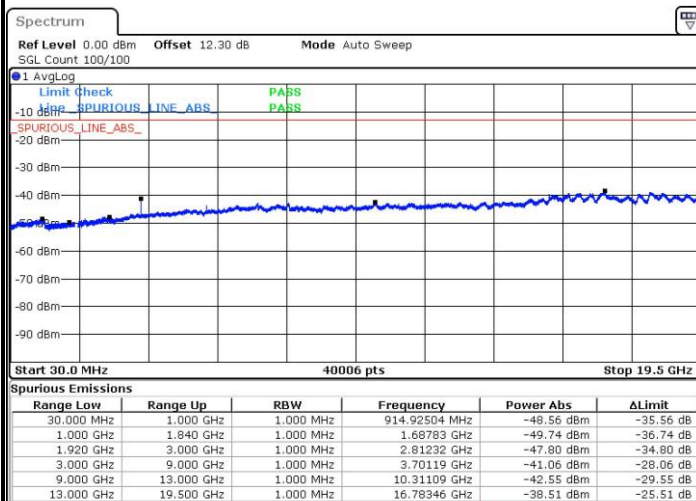
Highest Channel / 16QAM



Date: 9 MAY 2015 01:31:10

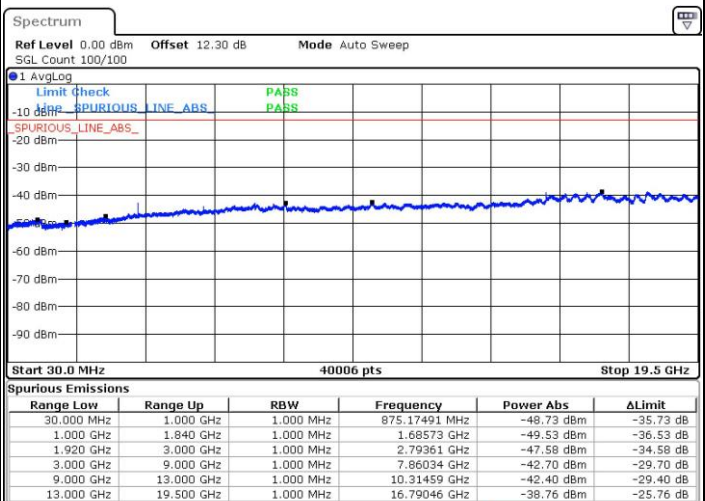
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 9 MAY 2015 07:03:31

Lowest Channel / 16QAM

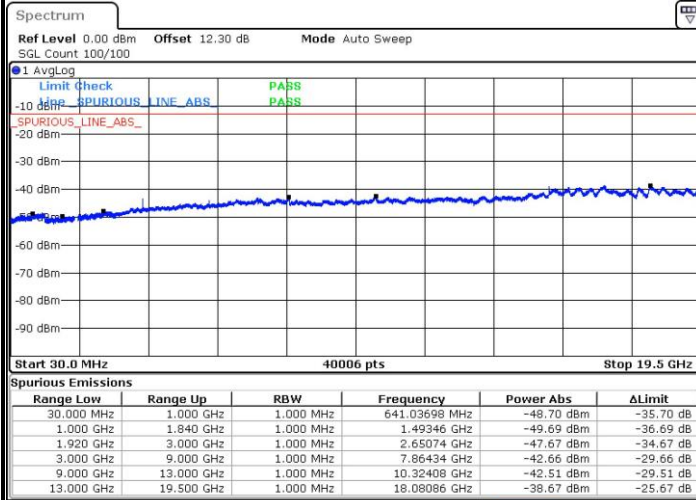


Date: 9 MAY 2015 07:04:43



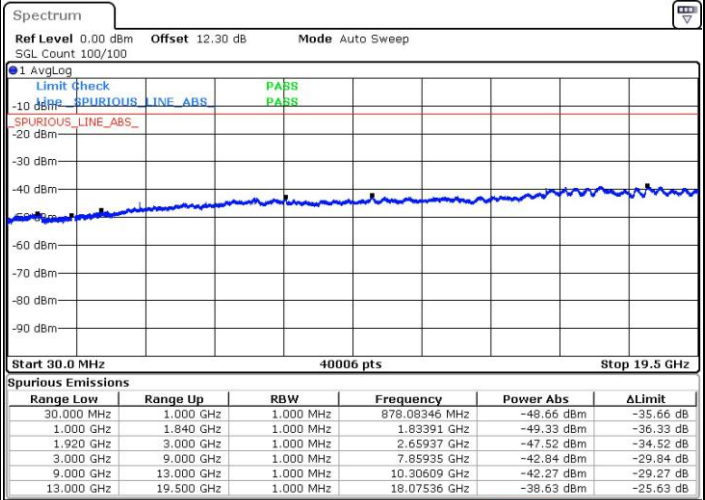
LTE Band 2 / 10MHz

Middle Channel / QPSK



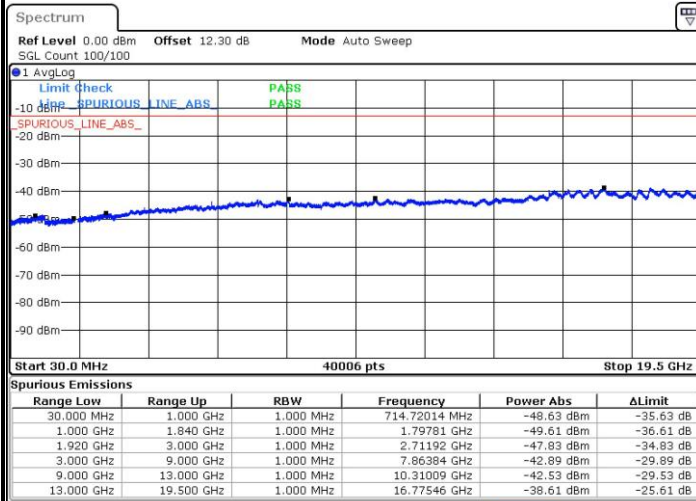
Date: 9 MAY 2015 07:06:43

Middle Channel / 16QAM



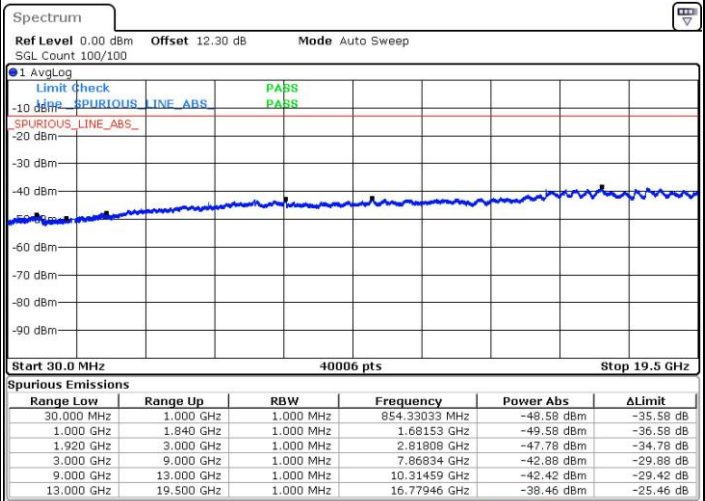
Date: 9 MAY 2015 07:07:56

Highest Channel / QPSK



Date: 9 MAY 2015 07:14:36

Highest Channel / 16QAM

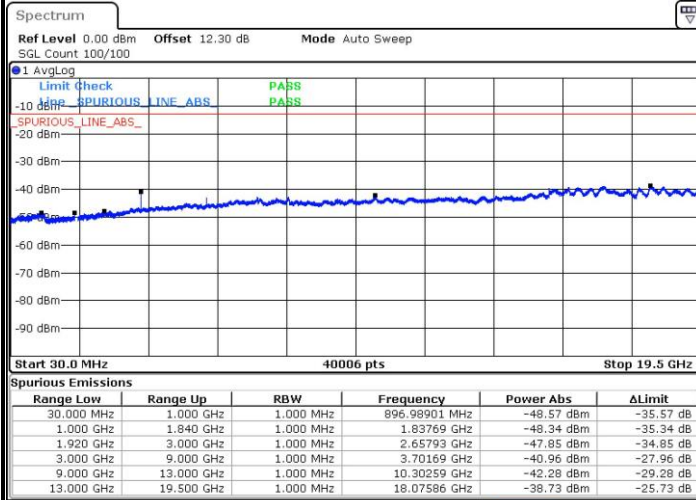


Date: 9 MAY 2015 07:15:49



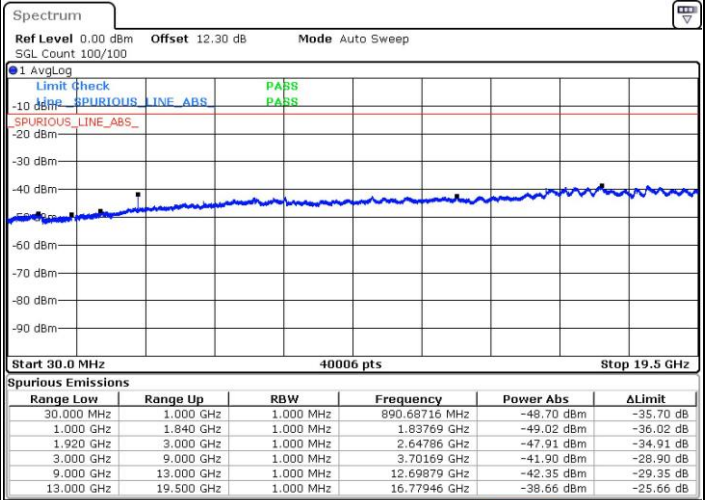
LTE Band 2 / 15MHz

Lowest Channel / QPSK



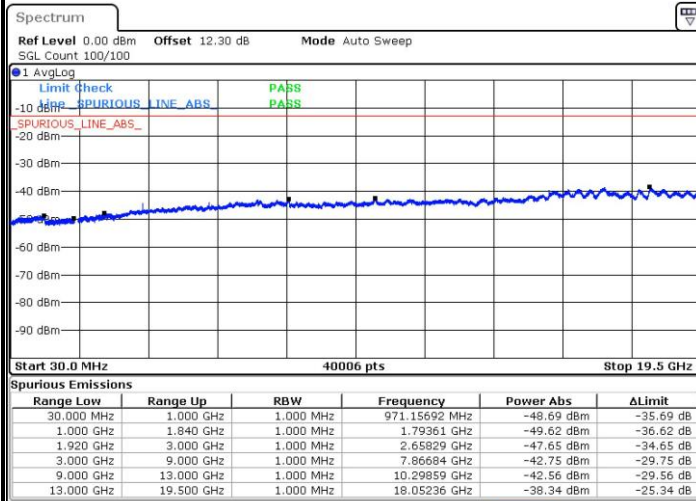
Date: 9 MAY 2015 07:23:33

Lowest Channel / 16QAM



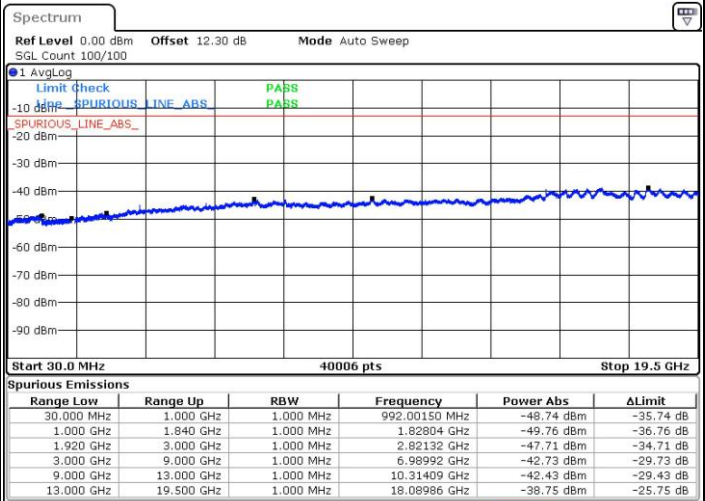
Date: 9 MAY 2015 07:24:46

Middle Channel / QPSK



Date: 9 MAY 2015 07:26:45

Middle Channel / 16QAM

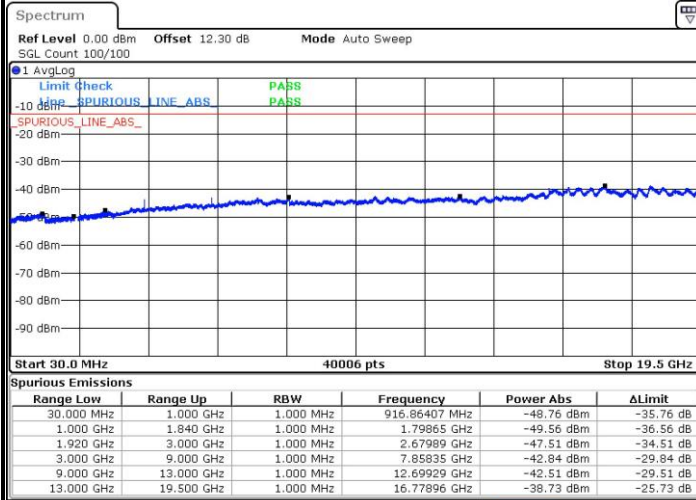


Date: 9 MAY 2015 07:27:58



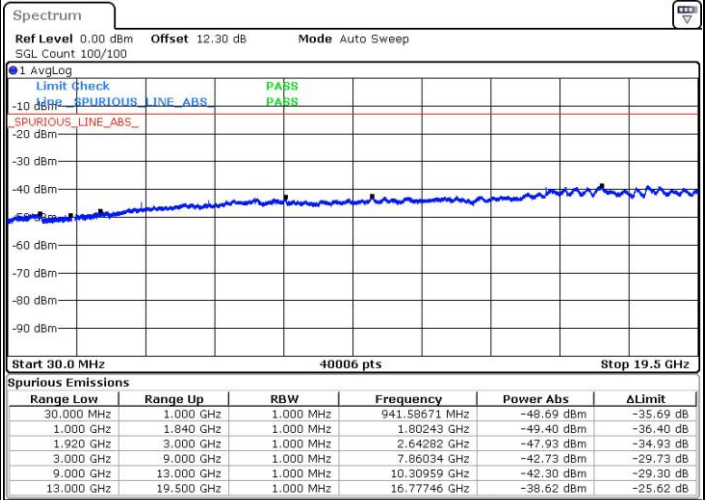
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 9 MAY 2015 07:34:38

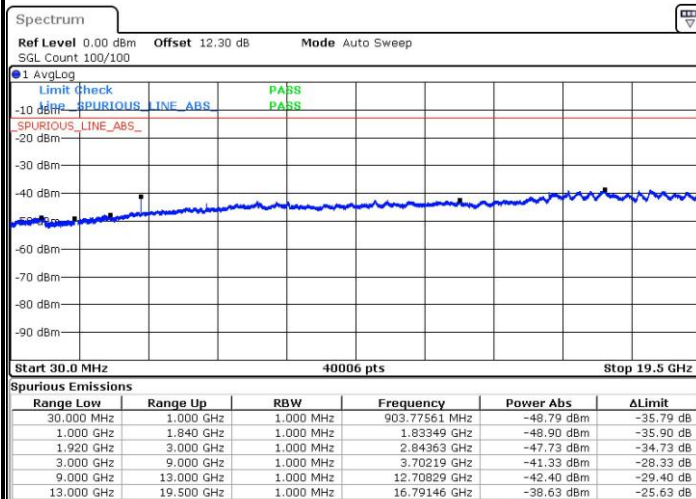
Highest Channel / 16QAM



Date: 9 MAY 2015 07:35:50

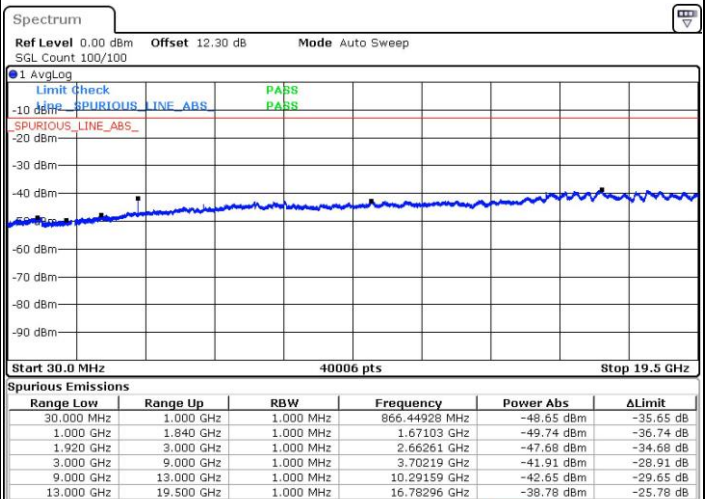
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 9 MAY 2015 07:44:31

Lowest Channel / 16QAM

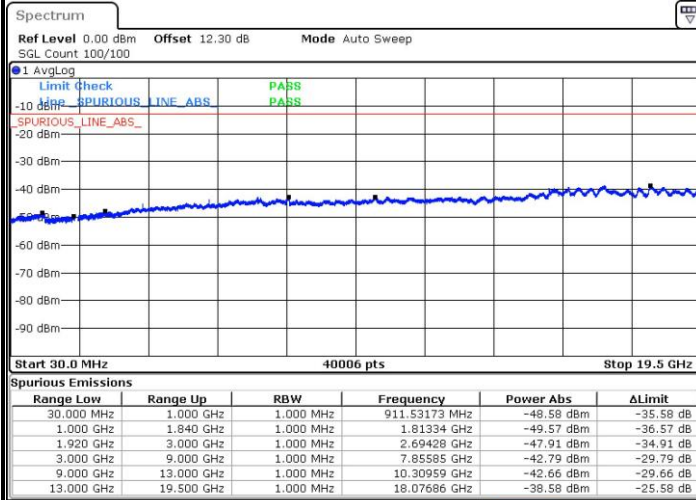


Date: 9 MAY 2015 07:45:44



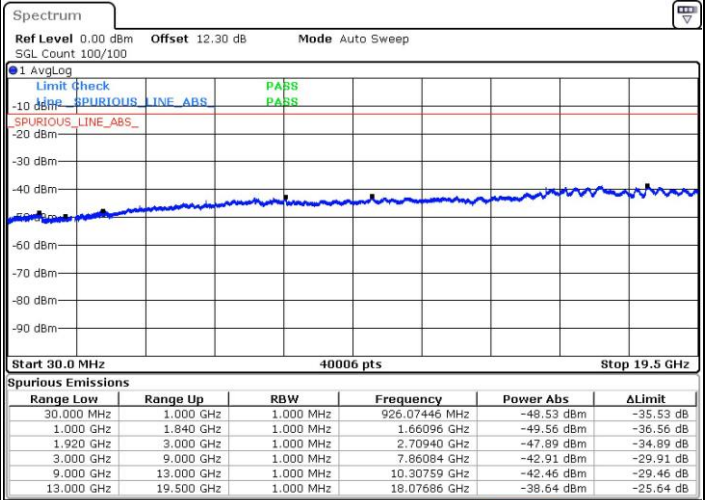
LTE Band 2 / 20MHz

Middle Channel / QPSK



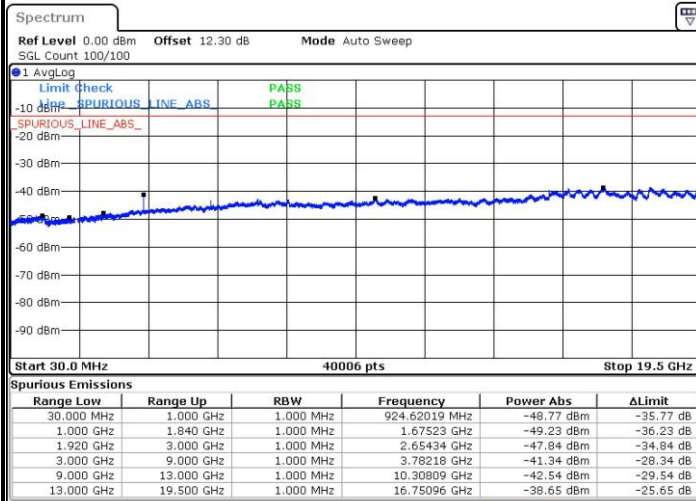
Date: 9 MAY 2015 07:47:44

Middle Channel / 16QAM



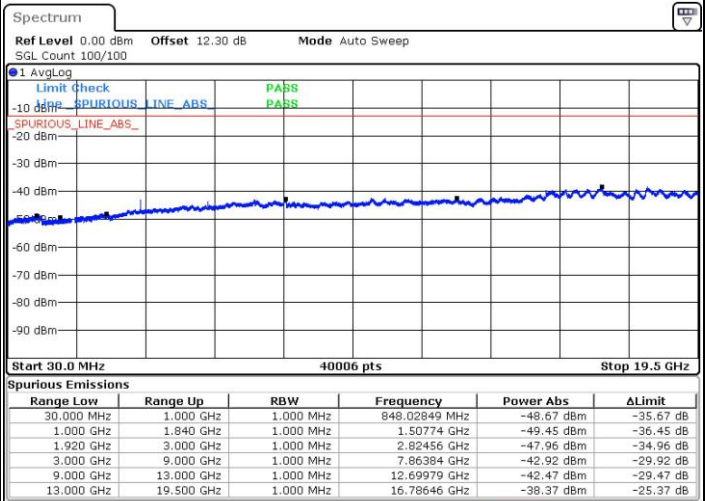
Date: 9 MAY 2015 07:48:56

Highest Channel / QPSK



Date: 9 MAY 2015 07:55:36

Highest Channel / 16QAM



Date: 9 MAY 2015 07:56:48

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

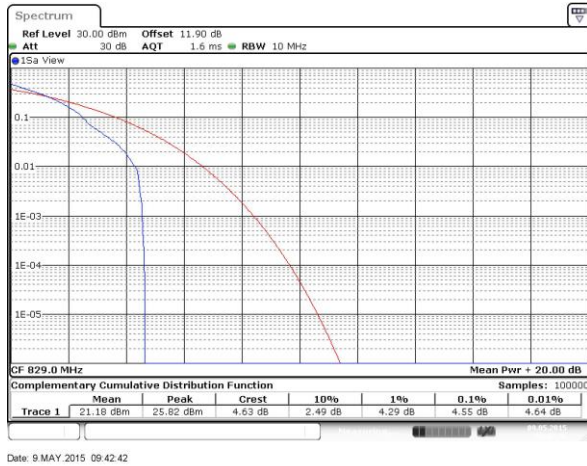
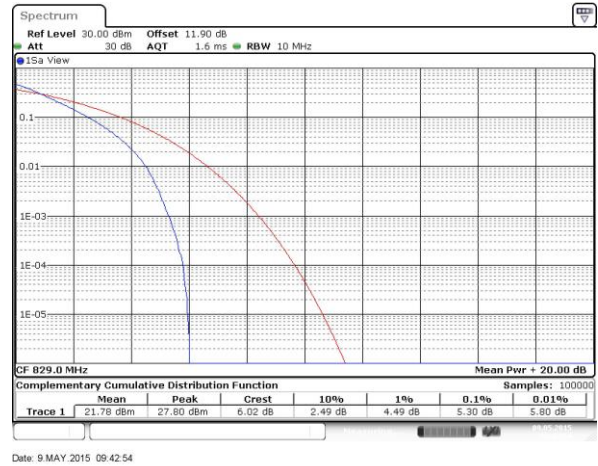
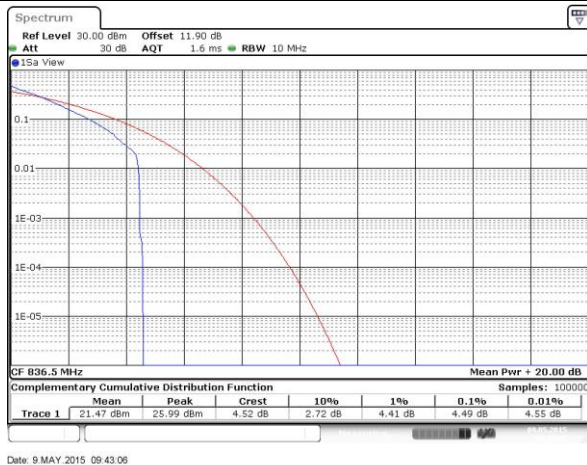
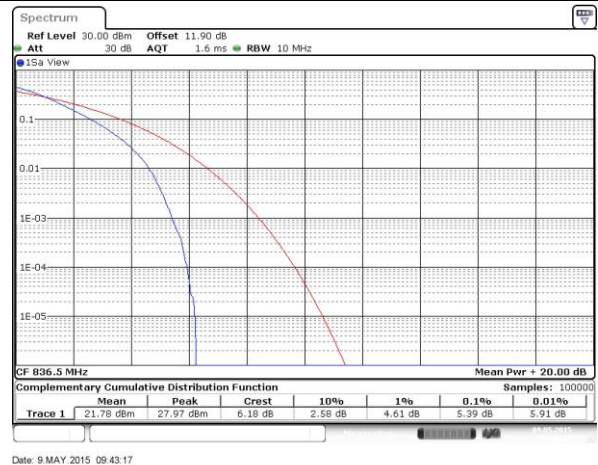
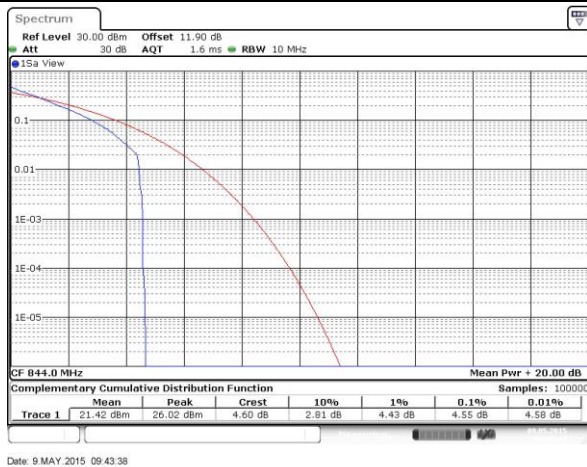
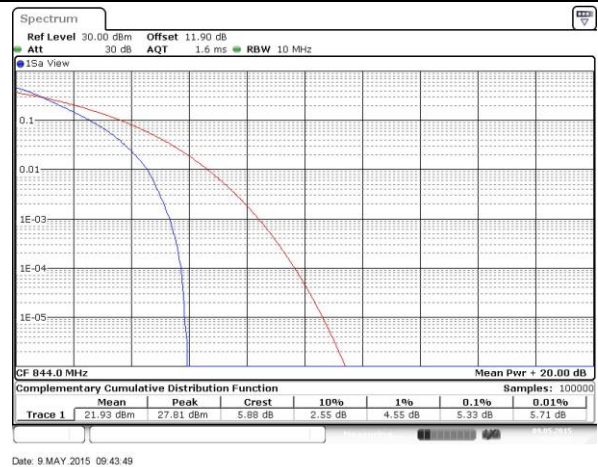
1. Normal Voltage = 3.95V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

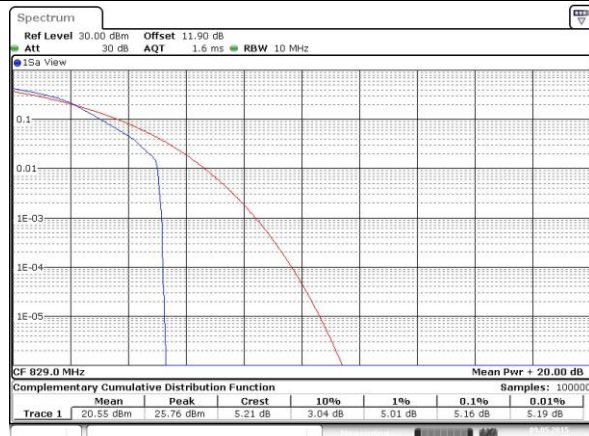
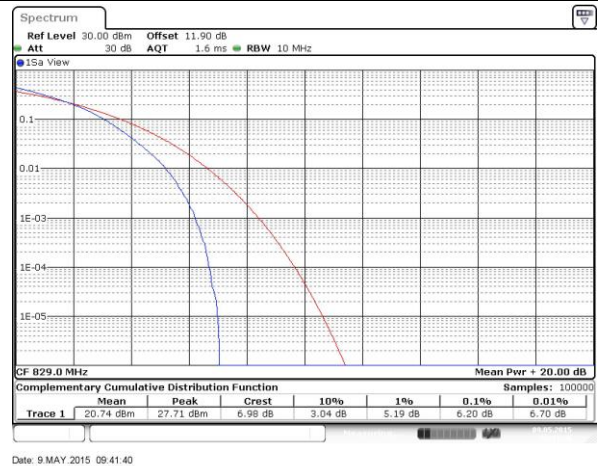
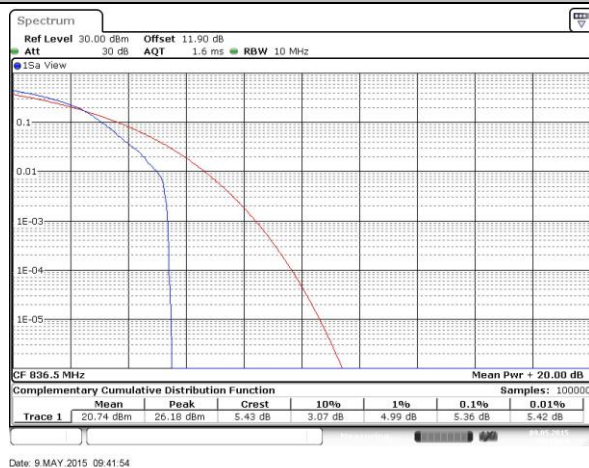
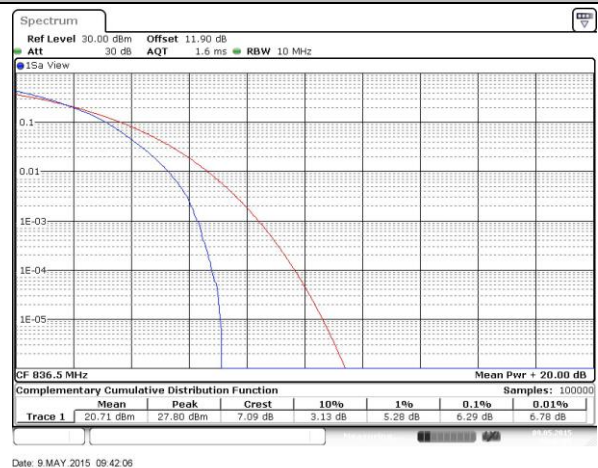
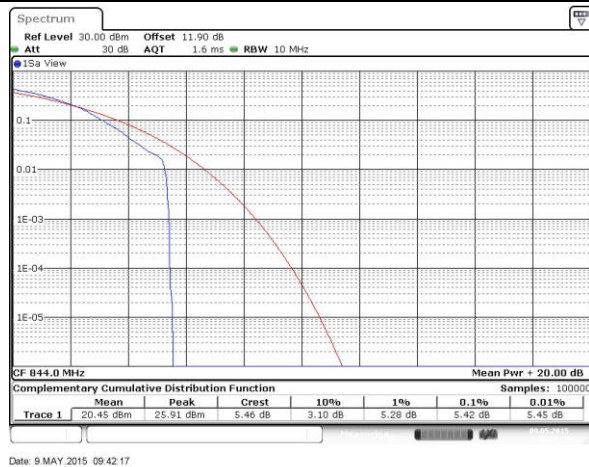


LTE Band 5

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	4.55	5.3	5.16	6.2	PASS
Middle CH	4.49	5.39	5.36	6.29	
Highest CH	4.55	5.33	5.42	6.14	

LTE Band 5 / 10MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 5 / 10MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB



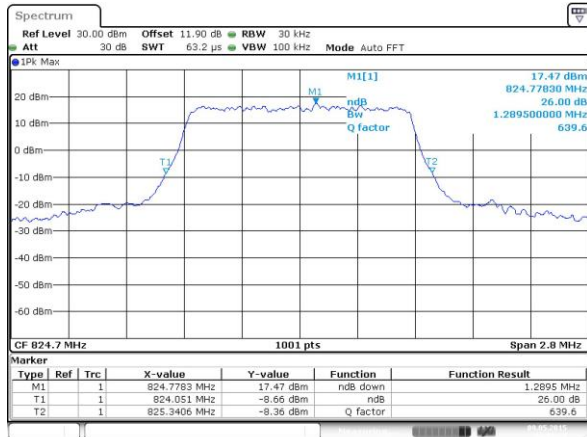

26dB Bandwidth

Mode	LTE Band 5 : 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	1.29	1.29	3.04	3.06	5.03	5.04	9.99	9.99	-	-	-	-
Middle CH	1.30	1.29	3.05	3.06	5.03	5.02	10.05	9.93	-	-	-	-
Highest CH	1.28	1.29	3.05	3.05	5.03	5.04	10.01	9.99	-	-	-	-

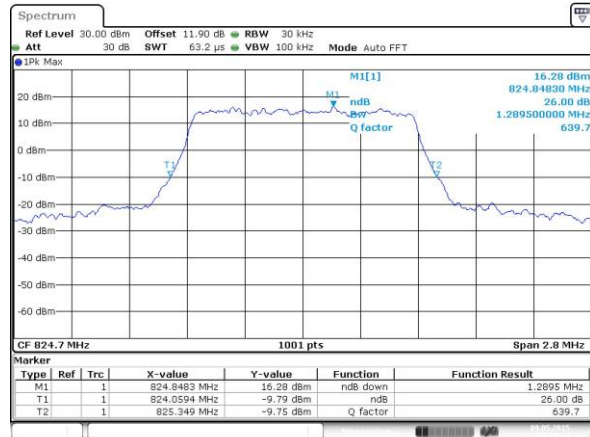


LTE Band 5

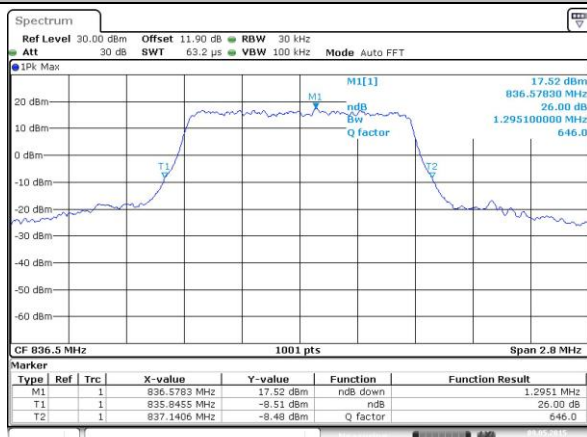
Lowest Channel / 1.4MHz / QPSK



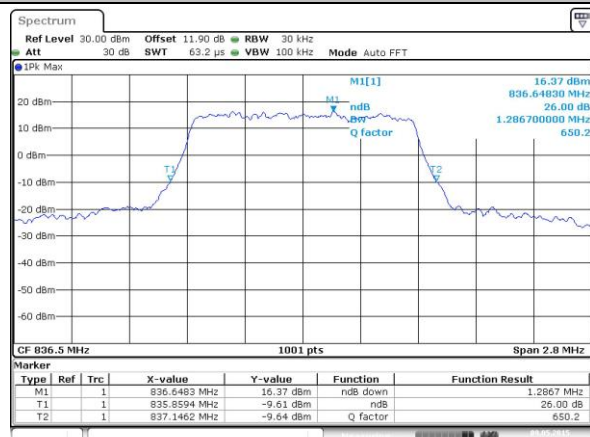
Lowest Channel / 1.4MHz / 16QAM



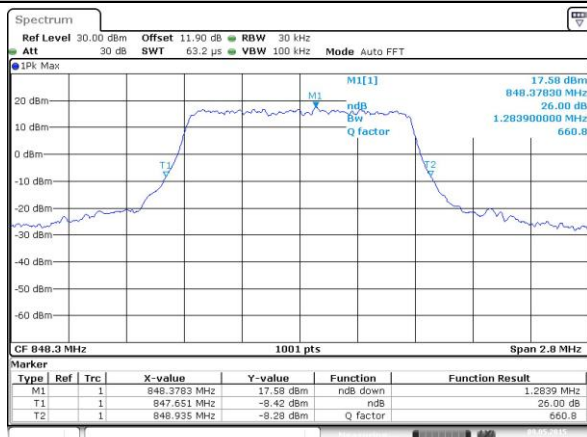
Middle Channel / 1.4MHz / QPSK



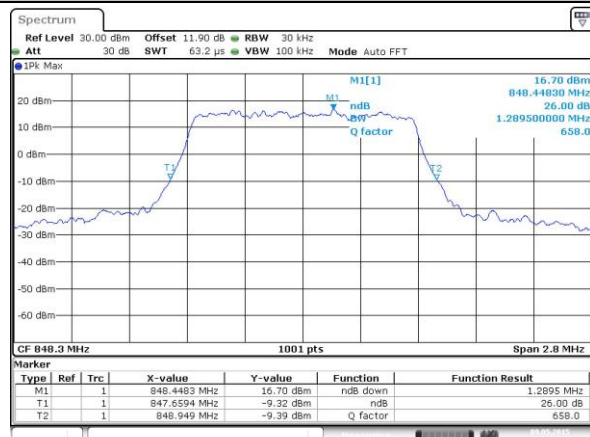
Middle Channel / 1.4MHz / 16QAM

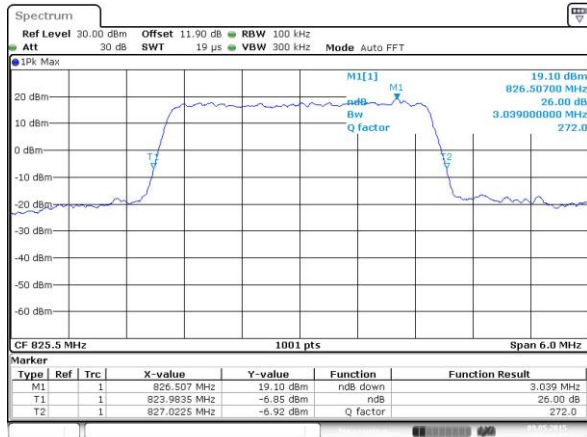


Highest Channel / 1.4MHz / QPSK

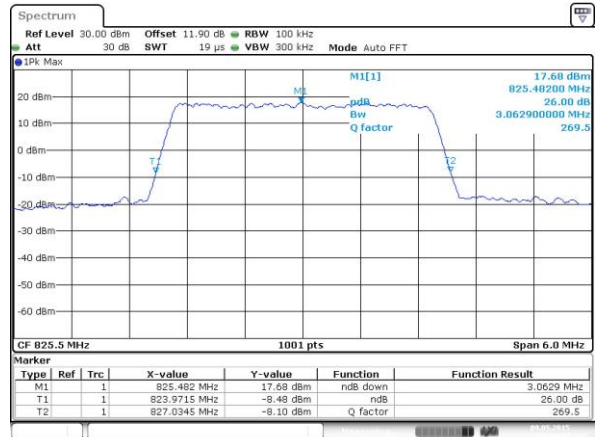


Highest Channel / 1.4MHz / 16QAM

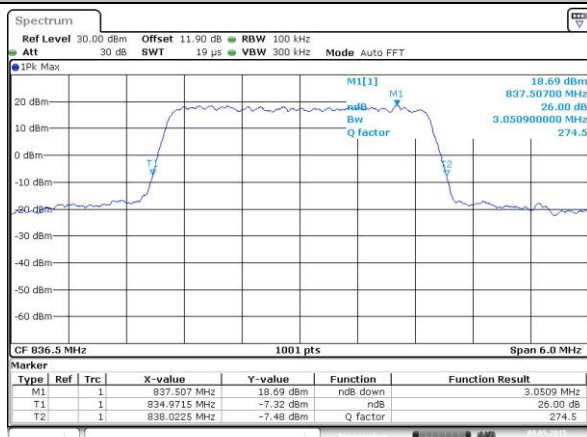


LTE Band 5
Lowest Channel / 3MHz / QPSK


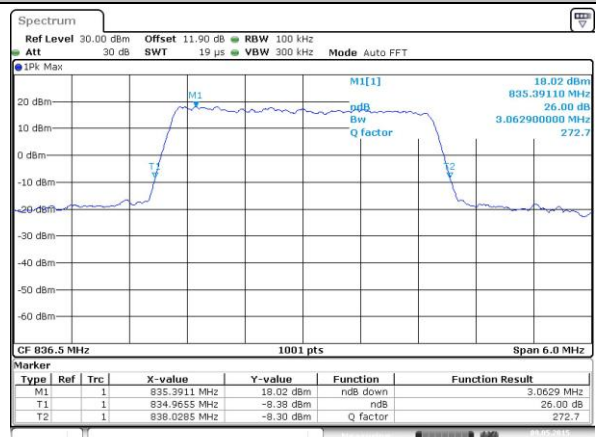
Date: 9 MAY 2015 08:04:29

Lowest Channel / 3MHz / 16QAM


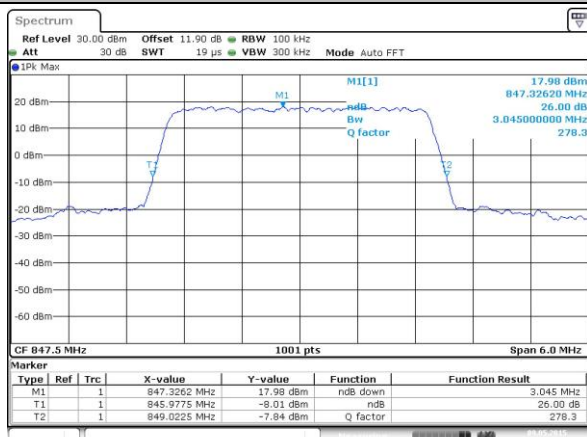
Date: 9 MAY 2015 08:04:42

Middle Channel / 3MHz / QPSK


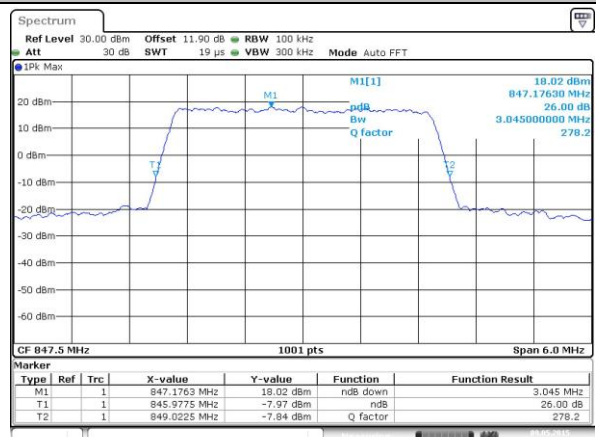
Date: 9 MAY 2015 08:12:20

Middle Channel / 3MHz / 16QAM


Date: 9 MAY 2015 08:12:33

Highest Channel / 3MHz / QPSK


Date: 9 MAY 2015 08:15:33

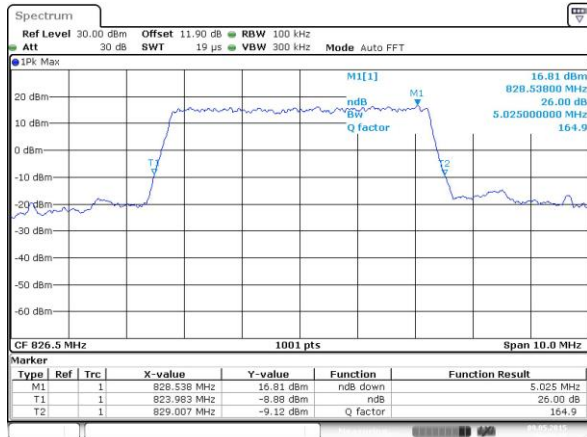
Highest Channel / 3MHz / 16QAM


Date: 9 MAY 2015 08:15:45

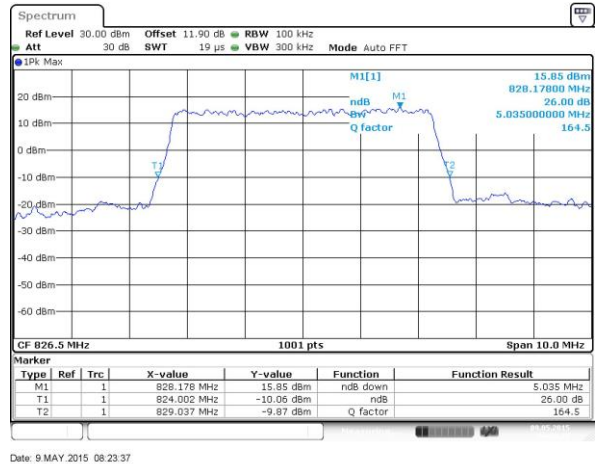


LTE Band 5

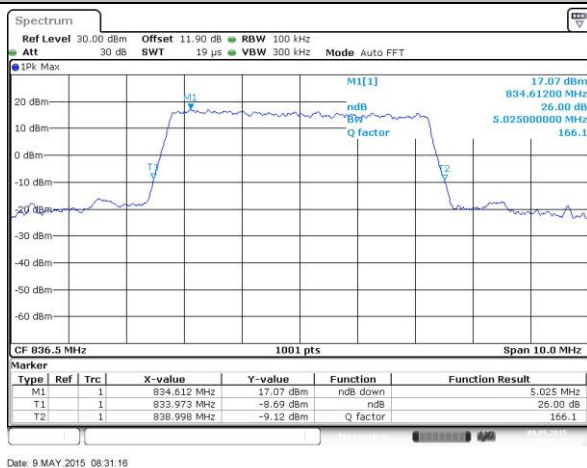
Lowest Channel / 5MHz / QPSK



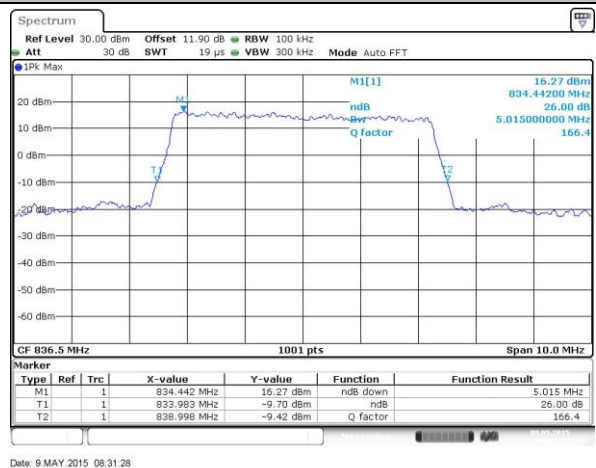
Lowest Channel / 5MHz / 16QAM



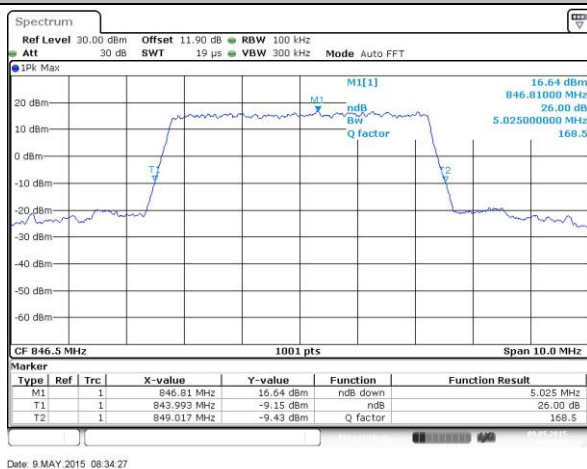
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

