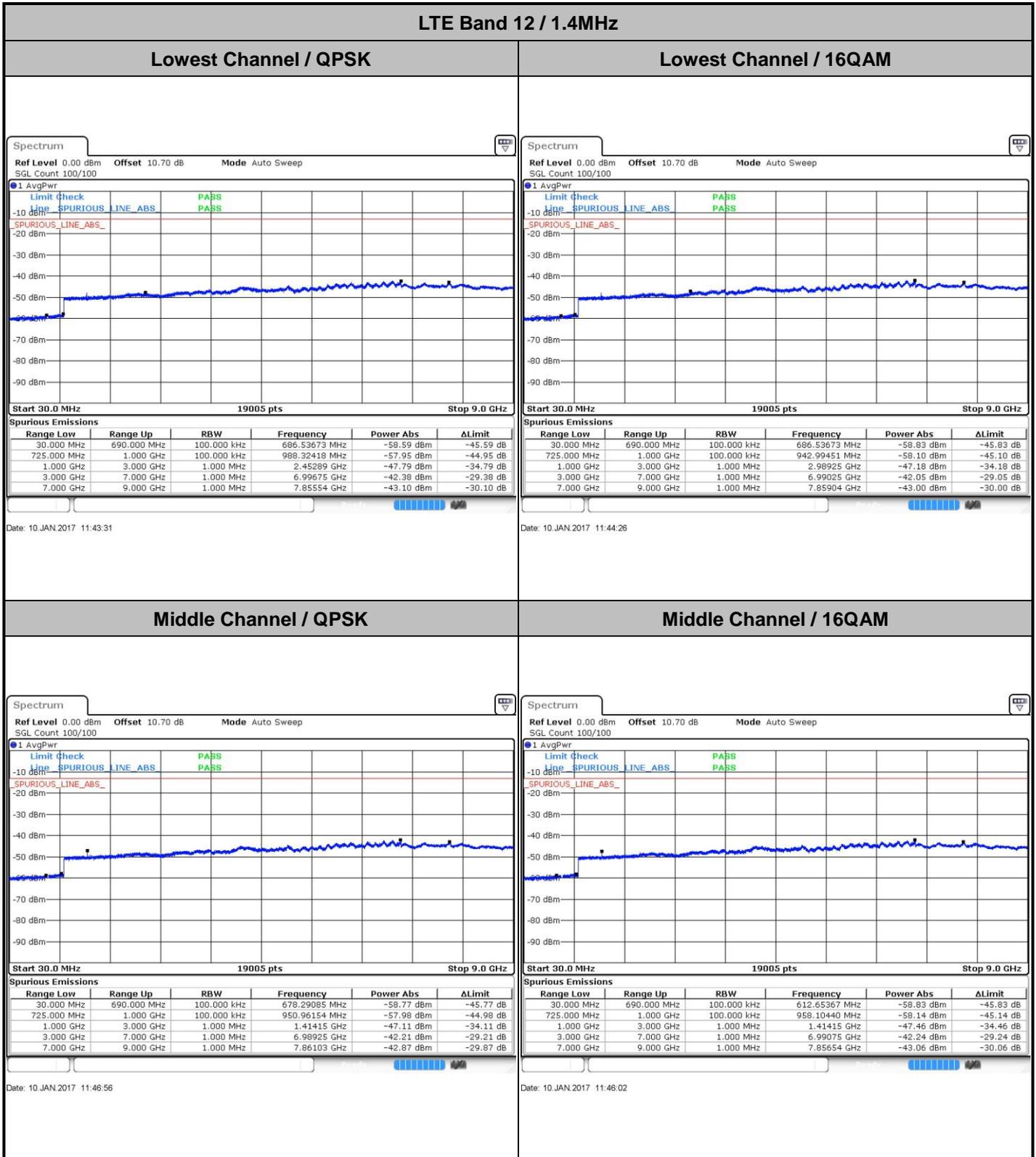




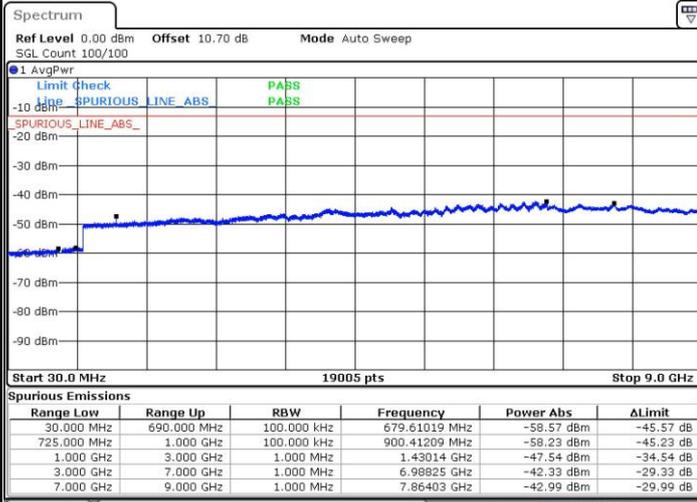
Conducted Spurious Emission





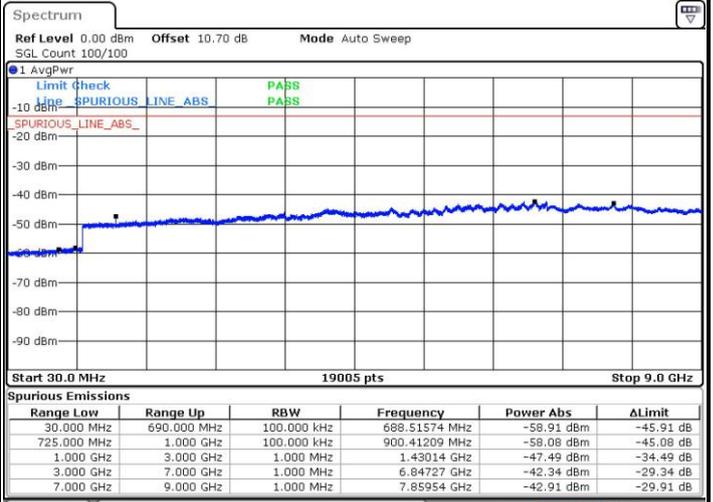
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 10 JAN 2017 11:53:09

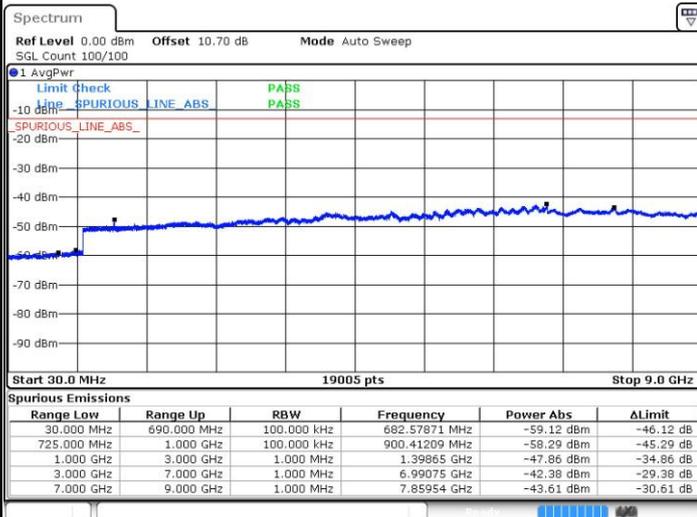
Highest Channel / 16QAM



Date: 10 JAN 2017 11:54:03

LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 9 JAN 2017 09:44:38

Lowest Channel / 16QAM

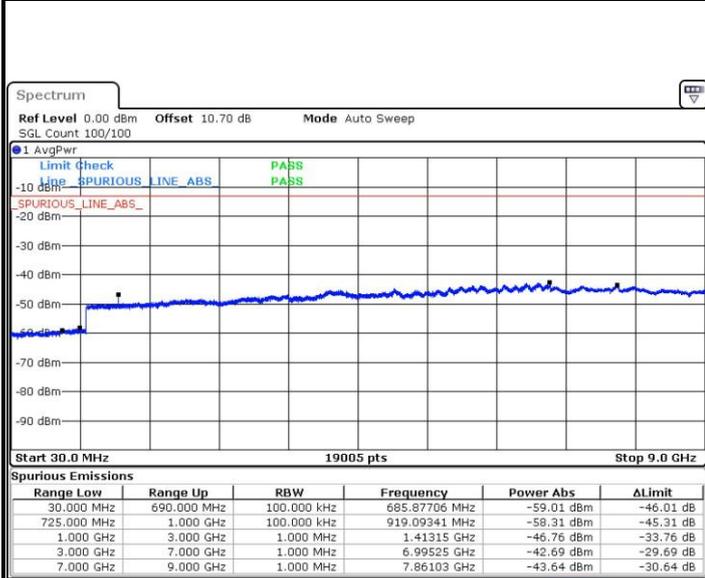


Date: 9 JAN 2017 09:45:32



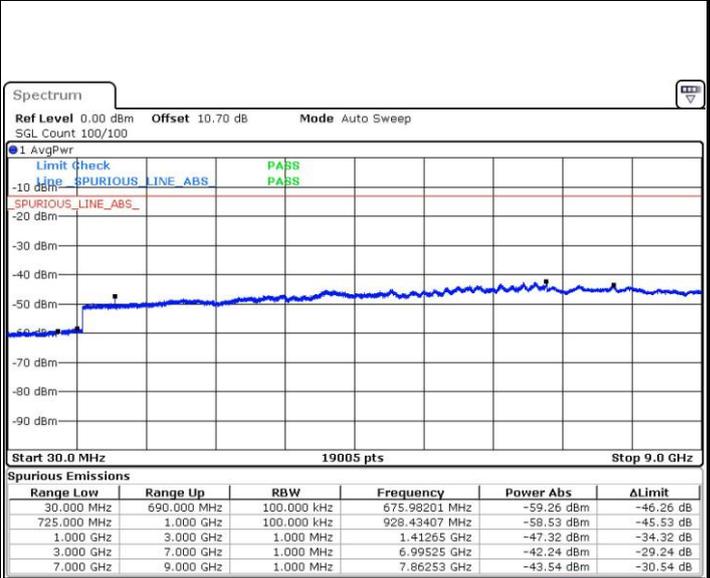
LTE Band 12 / 3MHz

Middle Channel / QPSK



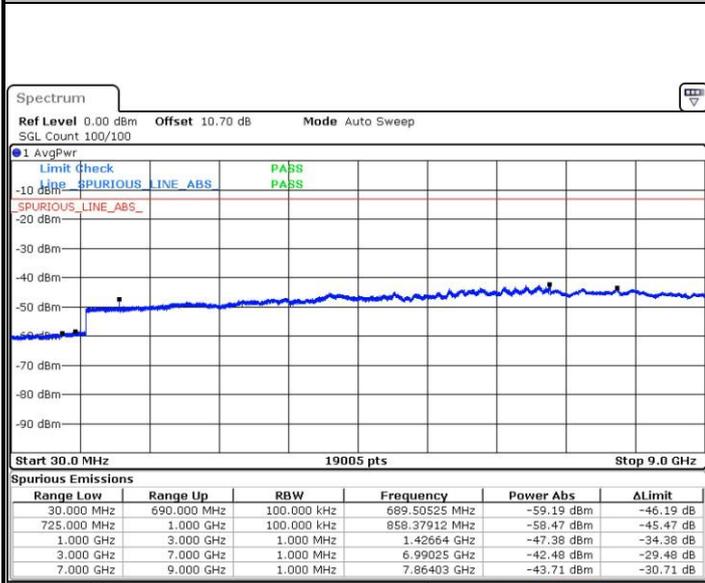
Date: 9 JAN 2017 09:48:02

Middle Channel / 16QAM



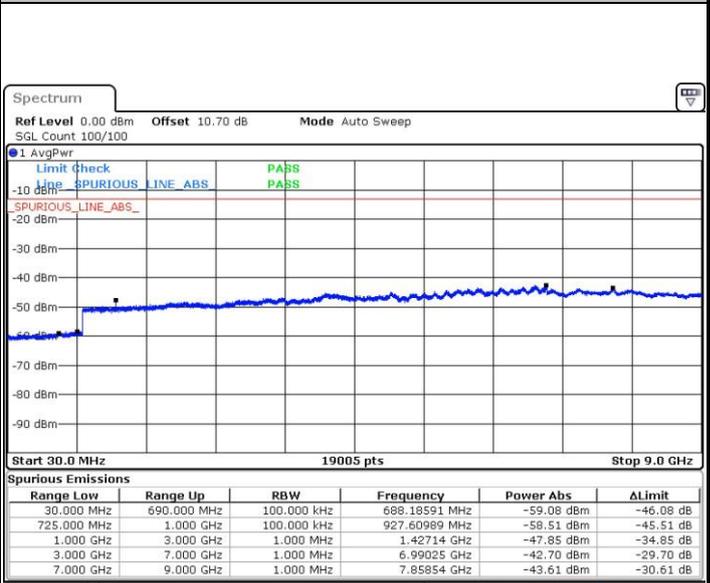
Date: 9 JAN 2017 09:47:08

Highest Channel / QPSK



Date: 9 JAN 2017 09:54:14

Highest Channel / 16QAM



Date: 9 JAN 2017 09:55:08



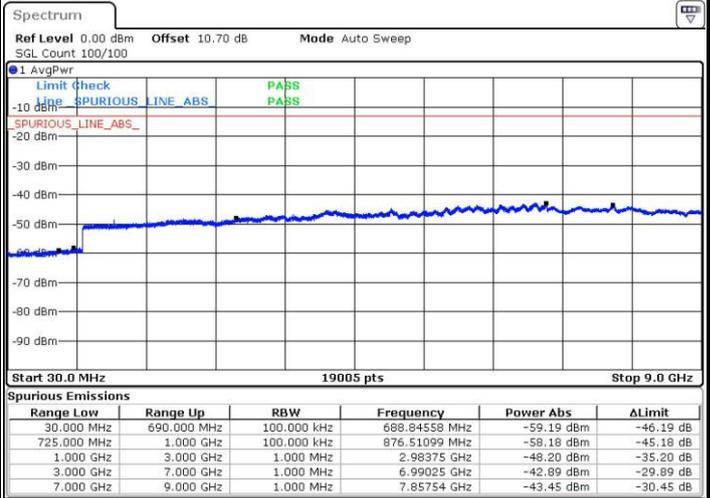
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



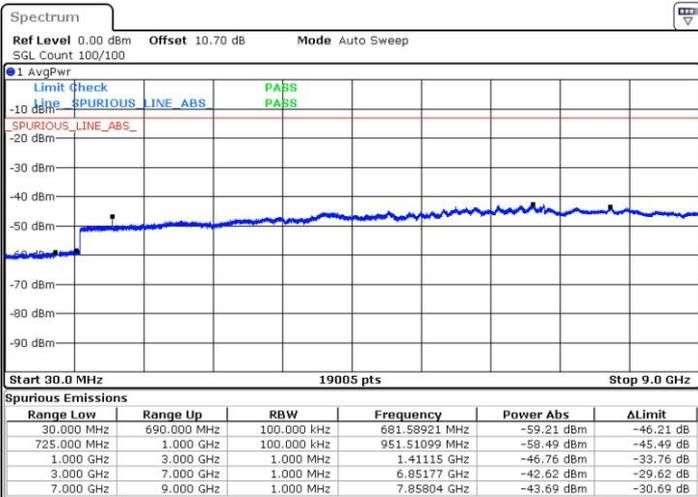
Date: 9 JAN 2017 10:50:34



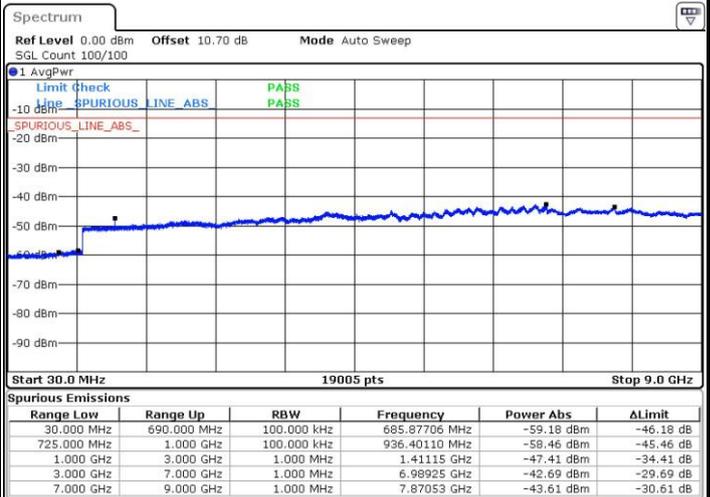
Date: 9 JAN 2017 10:51:29

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 9 JAN 2017 10:53:59



Date: 9 JAN 2017 10:53:04



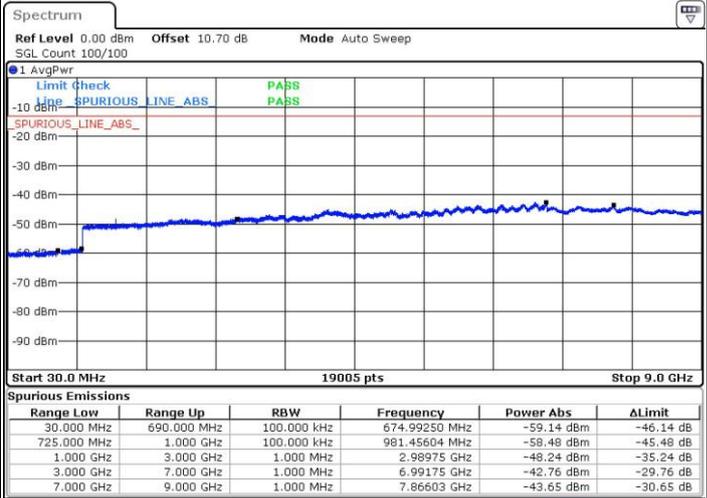
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 9 JAN 2017 11:01:06

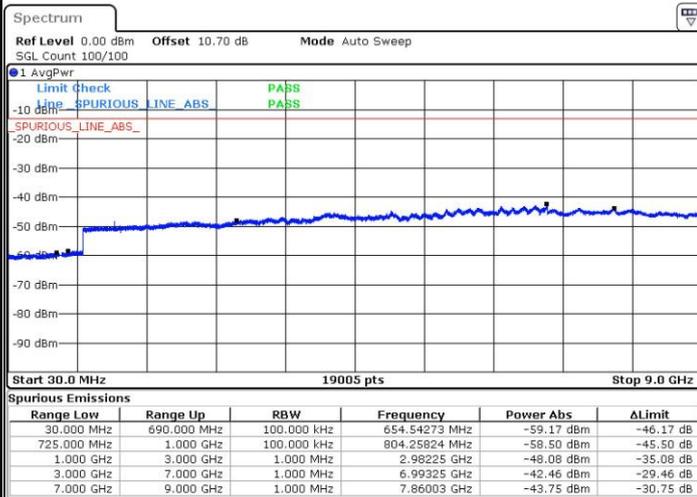
Highest Channel / 16QAM



Date: 9 JAN 2017 11:00:11

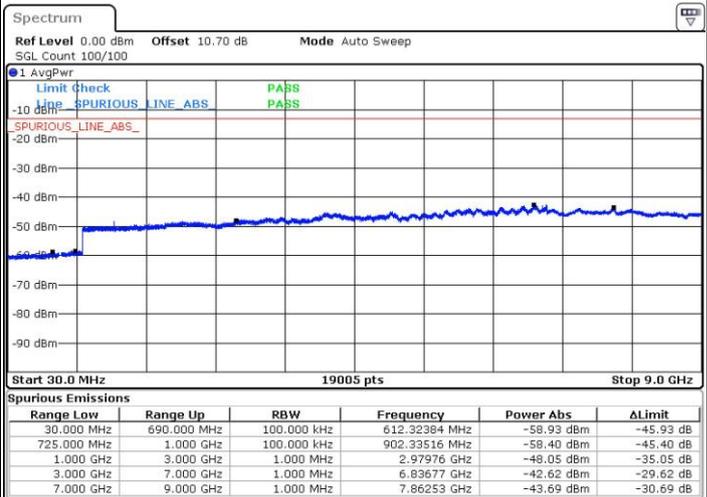
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 9 JAN 2017 11:07:18

Lowest Channel / 16QAM

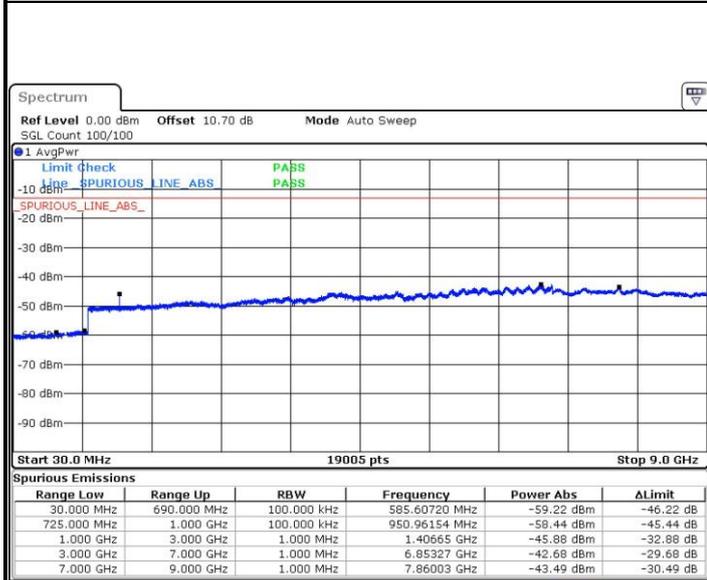


Date: 9 JAN 2017 11:08:12



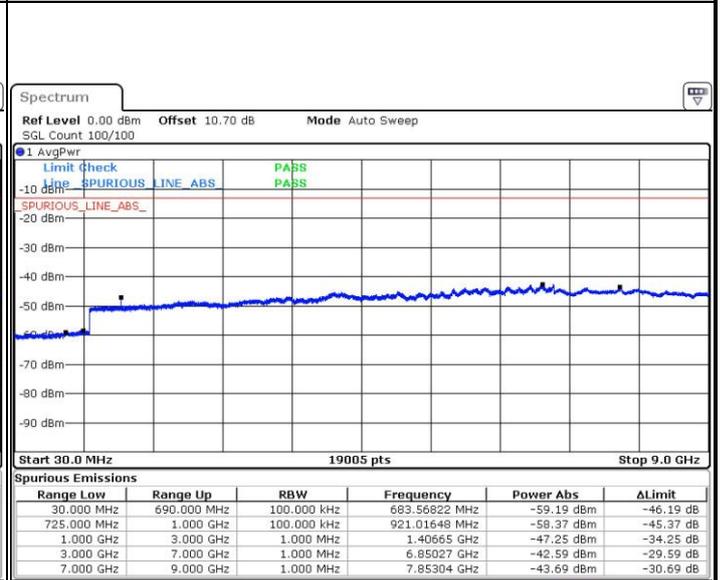
LTE Band 12 / 10MHz

Middle Channel / QPSK



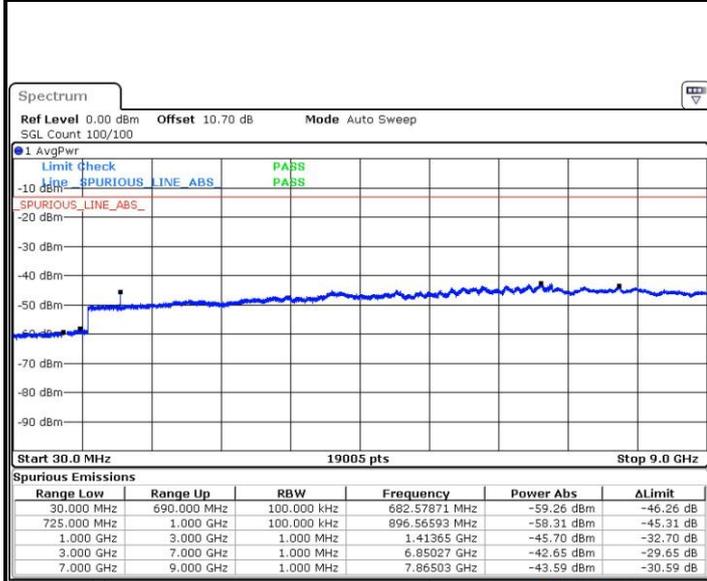
Date: 9 JAN 2017 11:10:42

Middle Channel / 16QAM



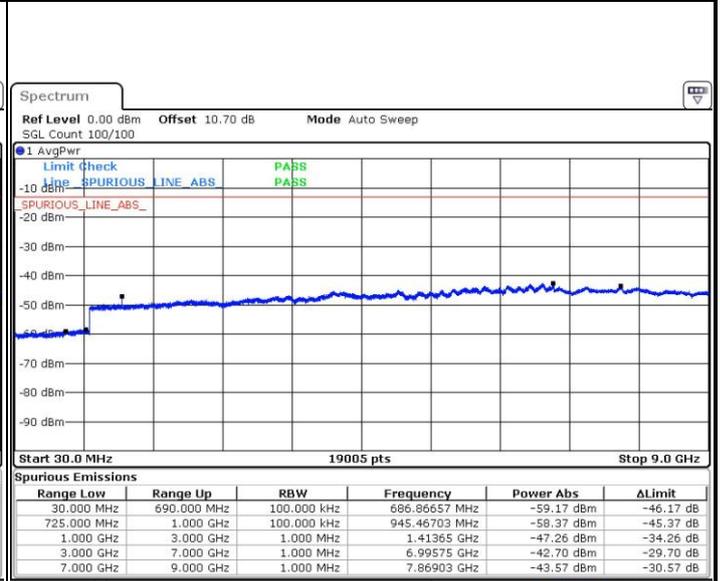
Date: 9 JAN 2017 11:09:48

Highest Channel / QPSK



Date: 9 JAN 2017 11:41:45

Highest Channel / 16QAM



Date: 9 JAN 2017 11:42:39



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	0.0007	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0049	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	4.67	4.99	5.45	5.94	PASS
Middle CH	4.64	5.01	5.42	5.86	
Highest CH	4.67	5.01	5.48	5.86	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



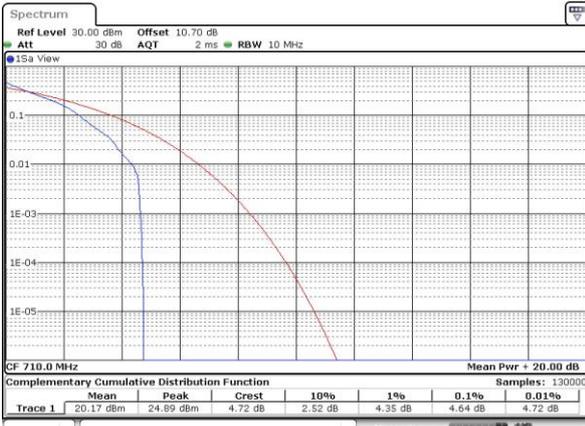
Date: 11 JAN 2017 10:51:58

Lowest Channel / Full RB



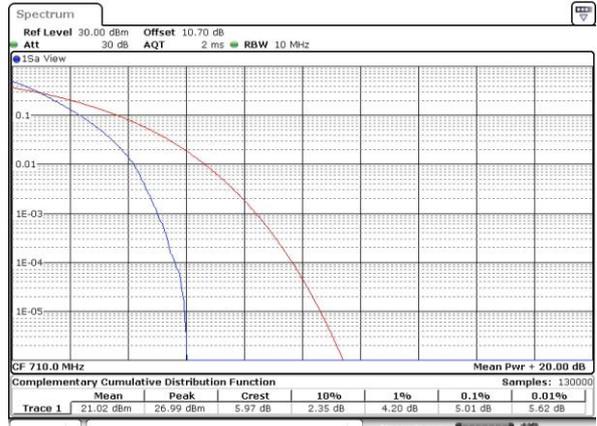
Date: 11 JAN 2017 10:52:10

Middle Channel/ 1RB



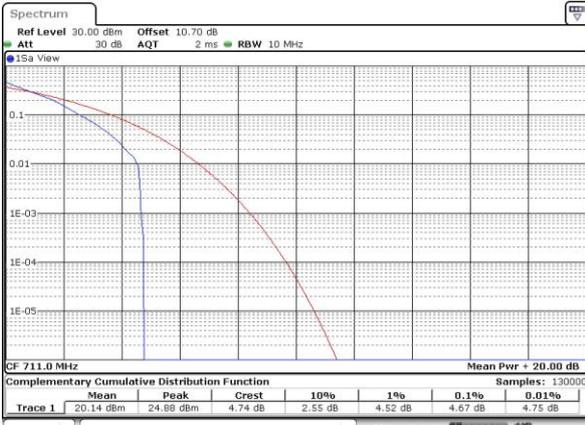
Date: 11 JAN 2017 10:52:25

Middle Channel / Full RB



Date: 11 JAN 2017 10:52:34

Highest Channel/ 1RB



Date: 11 JAN 2017 10:52:43

Highest Channel / Full RB



Date: 11 JAN 2017 10:52:52



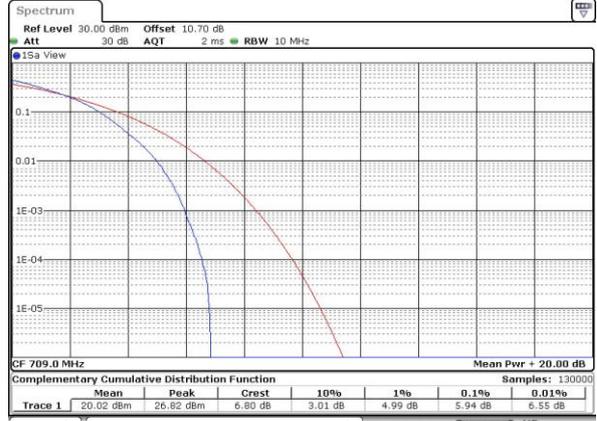
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 11 JAN 2017 10:50:53

Lowest Channel / Full RB



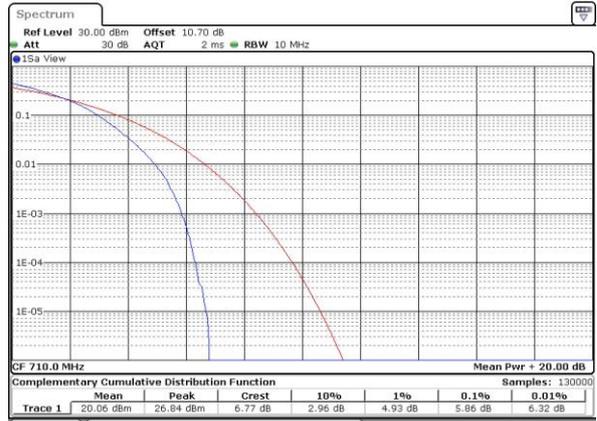
Date: 11 JAN 2017 10:51:03

Middle Channel / 1RB



Date: 11 JAN 2017 10:51:14

Middle Channel / Full RB



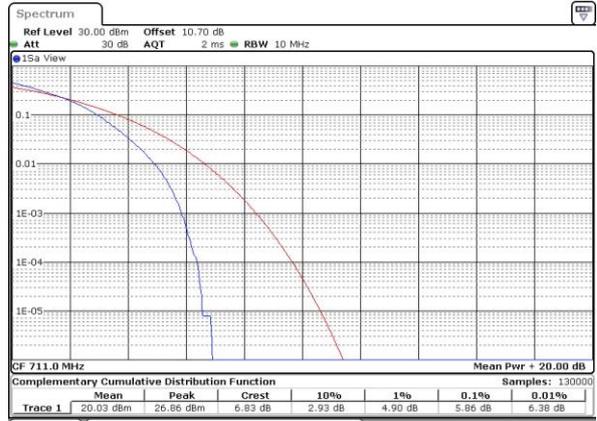
Date: 11 JAN 2017 10:51:28

Highest Channel / 1RB



Date: 11 JAN 2017 10:51:39

Highest Channel / Full RB



Date: 11 JAN 2017 10:51:48



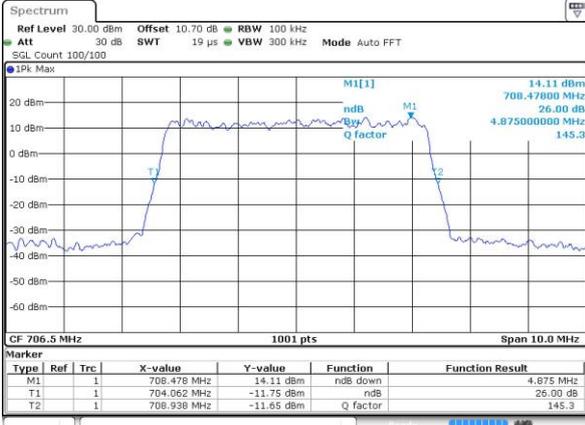
26dB Bandwidth

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	-	-	-	-	4.875	4.925	9.71	9.83	-	-	-	-
Middle CH	-	-	-	-	4.875	4.865	9.73	9.69	-	-	-	-
Highest CH	-	-	-	-	4.995	4.885	9.75	9.87	-	-	-	-



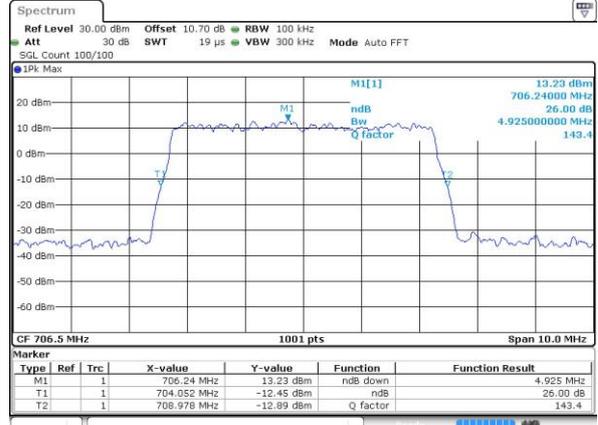
LTE Band 17

Lowest Channel / 5MHz / QPSK



Date: 9 JAN 2017 11:43:10

Lowest Channel / 5MHz / 16QAM



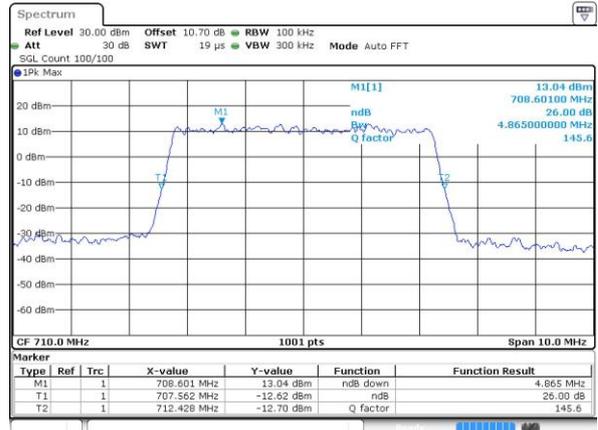
Date: 9 JAN 2017 11:43:21

Middle Channel / 5MHz / QPSK



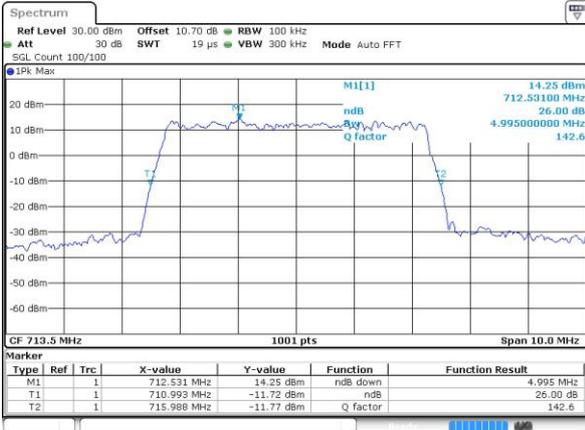
Date: 9 JAN 2017 11:50:17

Middle Channel / 5MHz / 16QAM



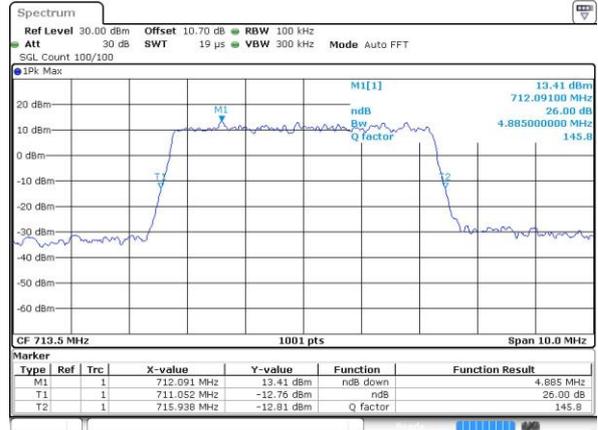
Date: 9 JAN 2017 11:50:27

Highest Channel / 5MHz / QPSK



Date: 9 JAN 2017 11:52:47

Highest Channel / 5MHz / 16QAM

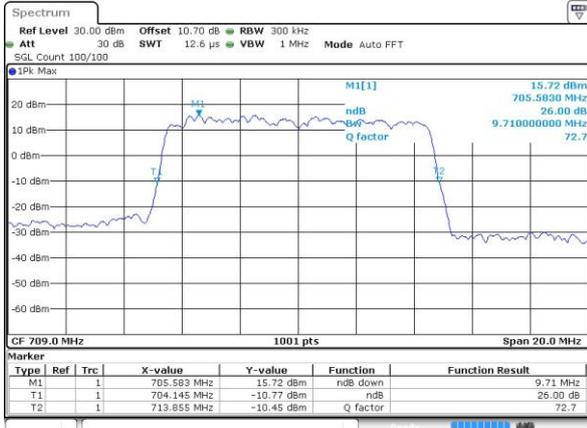


Date: 9 JAN 2017 11:52:57



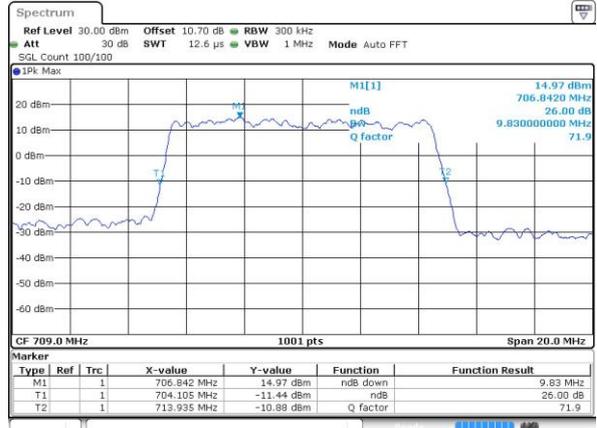
LTE Band 17

Lowest Channel / 10MHz / QPSK



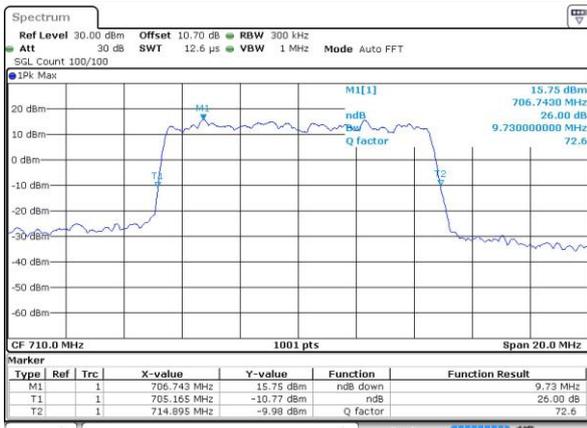
Date: 9 JAN 2017 11:59:53

Lowest Channel / 10MHz / 16QAM



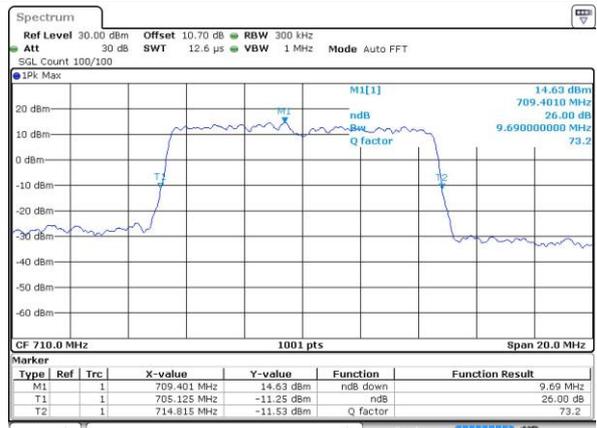
Date: 9 JAN 2017 12:00:03

Middle Channel / 10MHz / QPSK



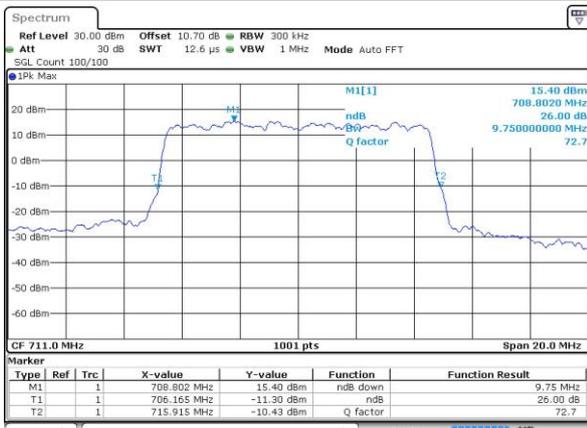
Date: 9 JAN 2017 12:06:59

Middle Channel / 10MHz / 16QAM



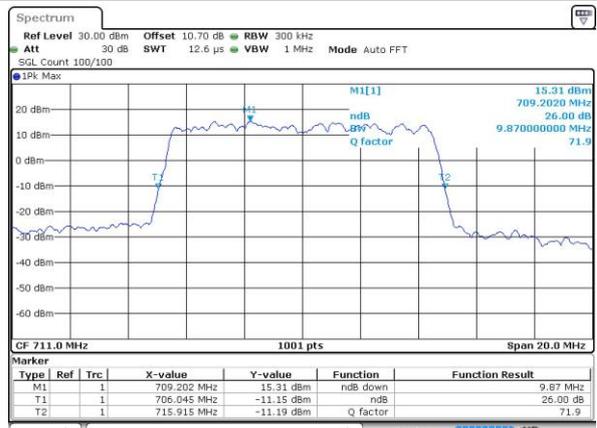
Date: 9 JAN 2017 12:07:10

Highest Channel / 10MHz / QPSK



Date: 10 JAN 2017 10:55:49

Highest Channel / 10MHz / 16QAM



Date: 10 JAN 2017 10:56:00



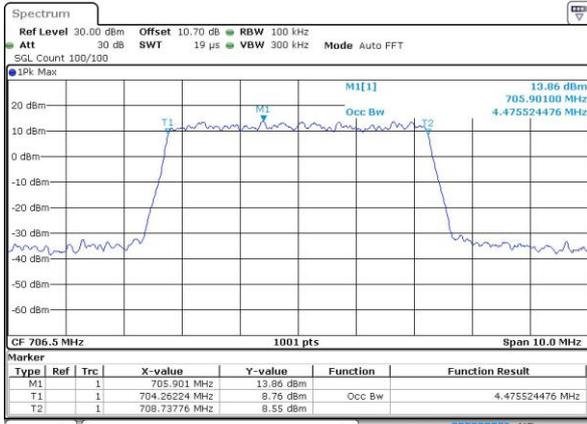
Occupied Bandwidth

Mode	LTE Band 17 : 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	4.48	9.05	9.01	-	-	-	-
Middle CH	-	-	-	-	4.49	4.5	8.99	9.03	-	-	-	-
Highest CH	-	-	-	-	4.48	4.5	8.99	9.01	-	-	-	-



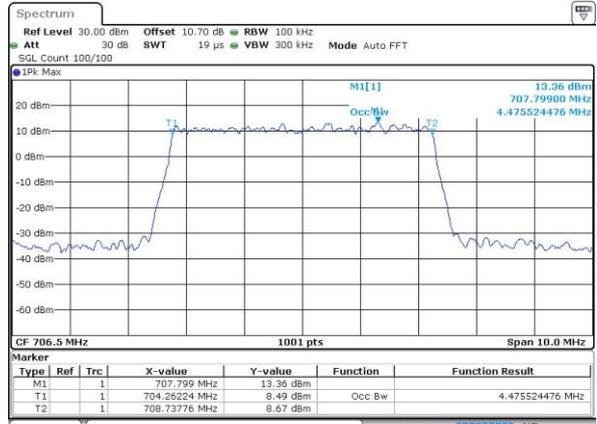
LTE Band 17

Lowest Channel / 5MHz / QPSK



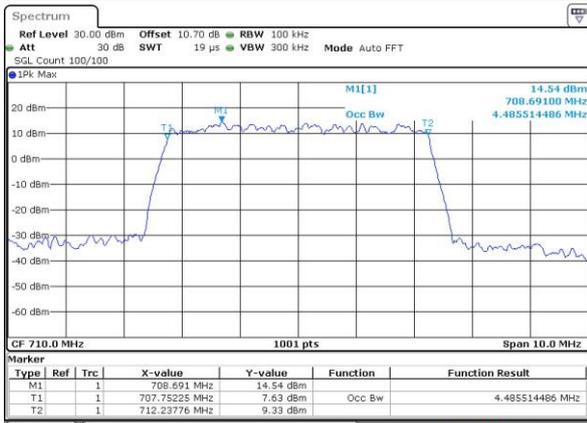
Date: 9 JAN 2017 11:42:50

Lowest Channel / 5MHz / 16QAM



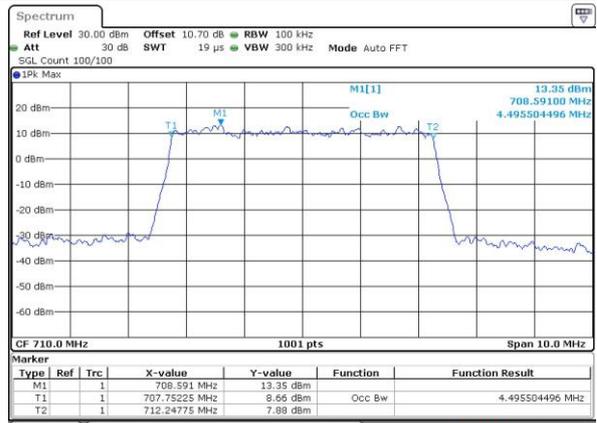
Date: 9 JAN 2017 11:43:00

Middle Channel / 5MHz / QPSK



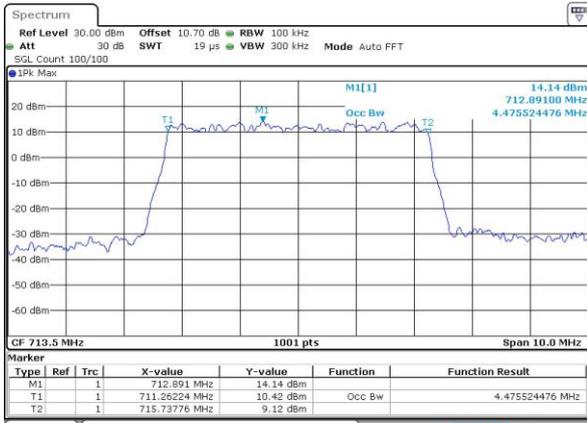
Date: 9 JAN 2017 11:49:56

Middle Channel / 5MHz / 16QAM



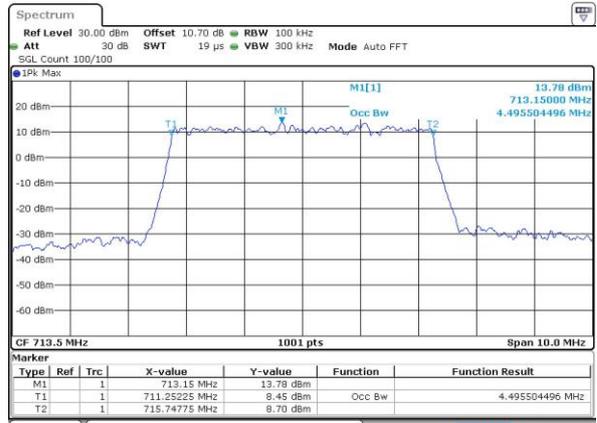
Date: 9 JAN 2017 11:50:07

Highest Channel / 5MHz / QPSK



Date: 9 JAN 2017 11:52:26

Highest Channel / 5MHz / 16QAM

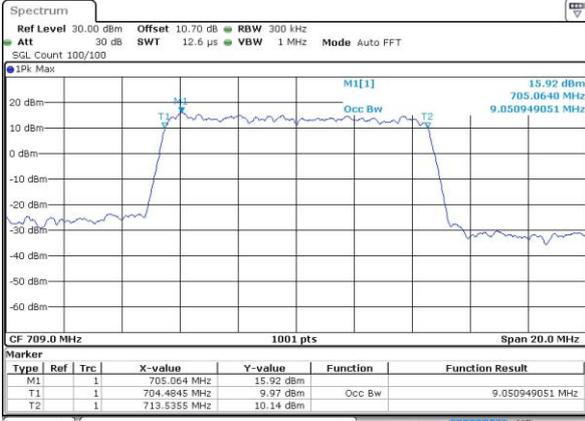


Date: 9 JAN 2017 11:52:36



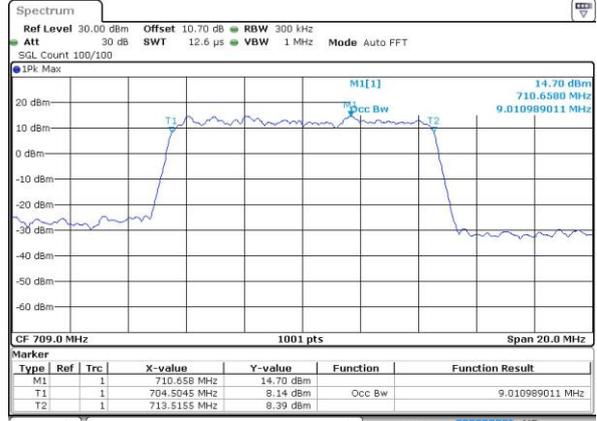
LTE Band 17

Lowest Channel / 10MHz / QPSK



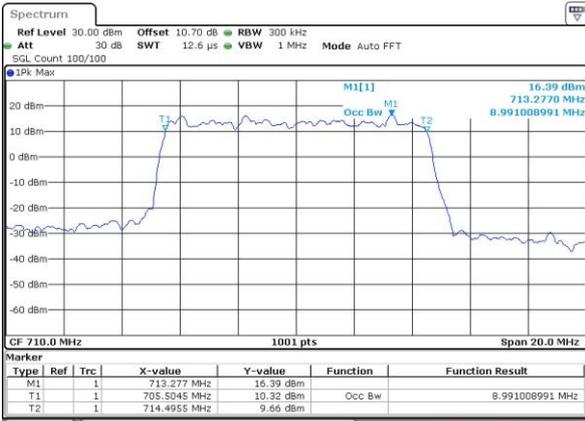
Date: 9 JAN 2017 11:59:32

Lowest Channel / 10MHz / 16QAM



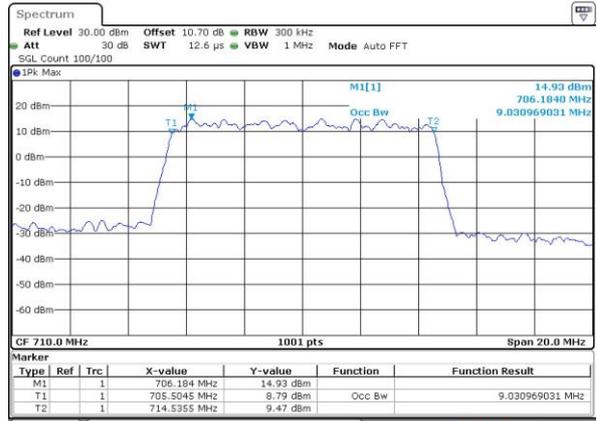
Date: 9 JAN 2017 11:59:43

Middle Channel / 10MHz / QPSK



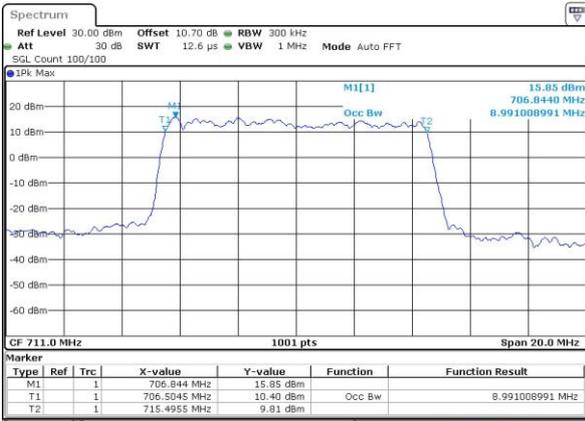
Date: 9 JAN 2017 12:06:39

Middle Channel / 10MHz / 16QAM



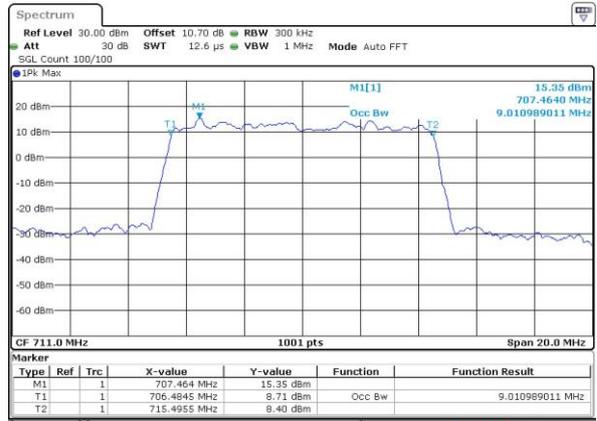
Date: 9 JAN 2017 12:06:49

Highest Channel / 10MHz / QPSK



Date: 9 JAN 2017 12:09:08

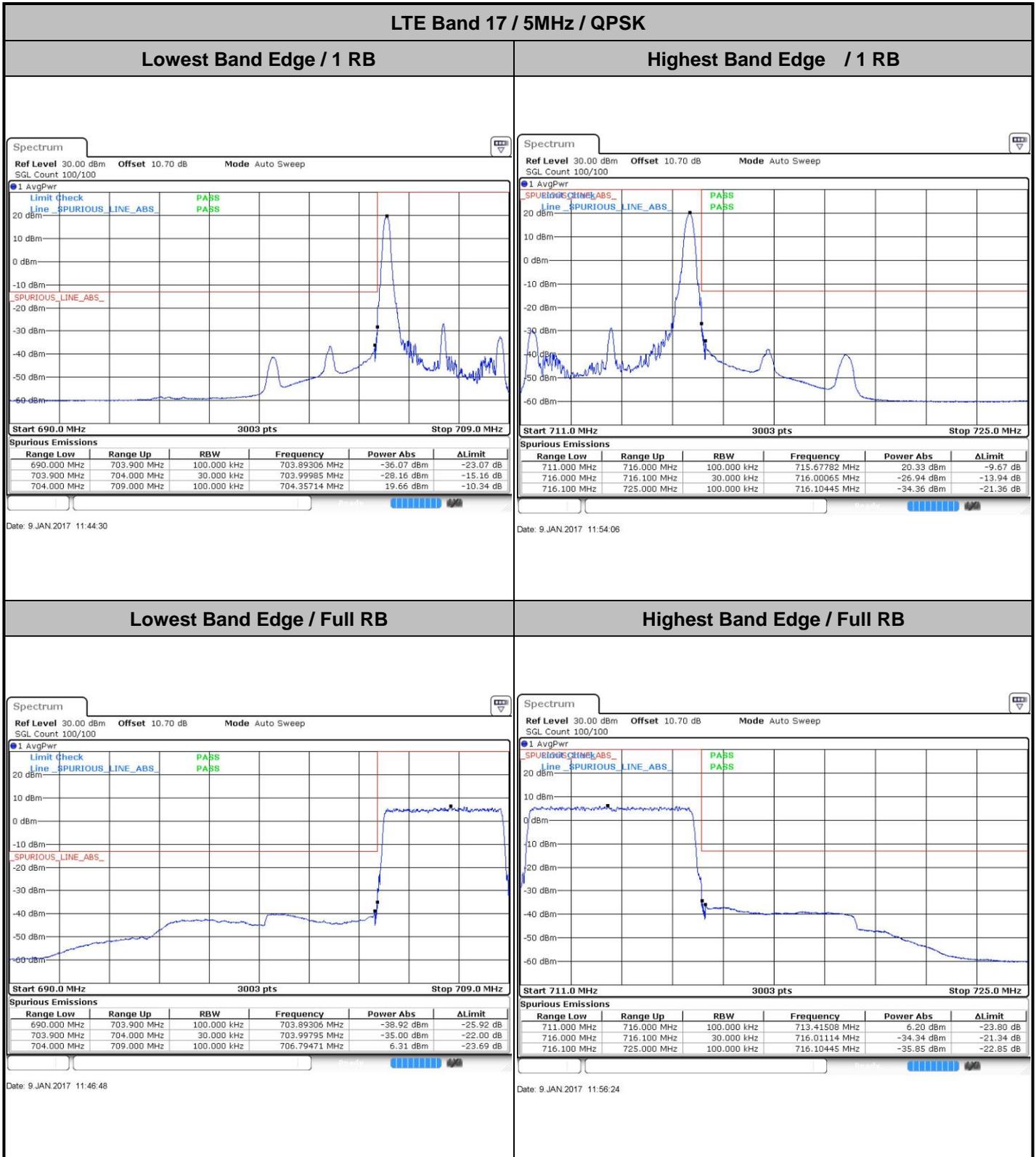
Highest Channel / 10MHz / 16QAM



Date: 9 JAN 2017 12:09:19



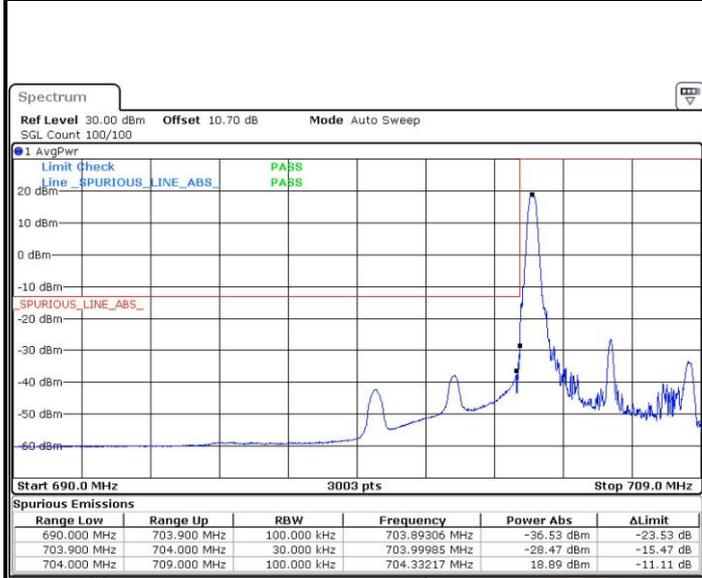
Conducted Band Edge





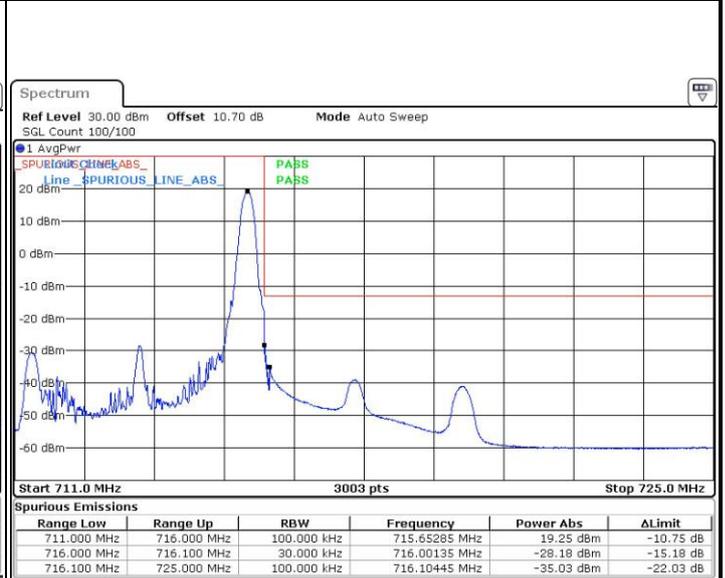
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



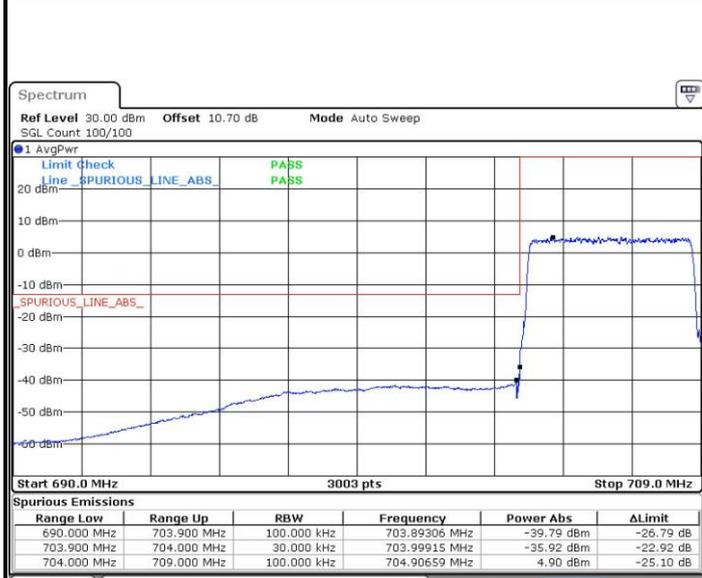
Date: 9 JAN 2017 11:45:39

Highest Band Edge / 1 RB



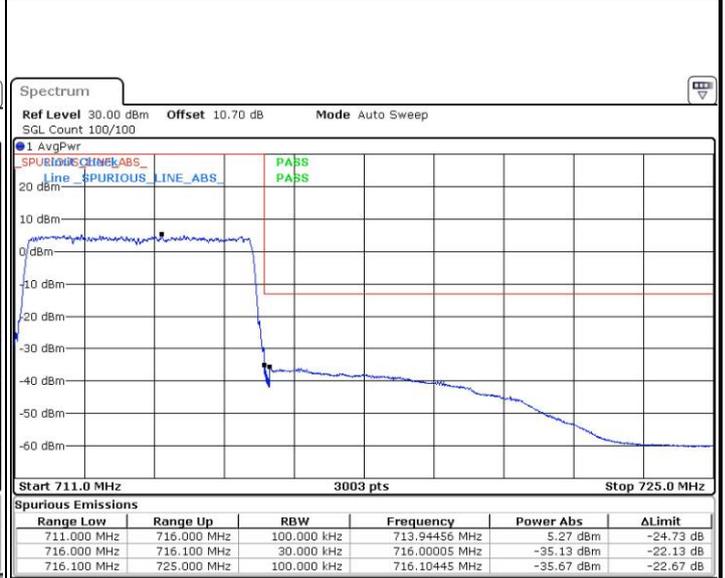
Date: 9 JAN 2017 11:55:15

Lowest Band Edge / Full RB



Date: 9 JAN 2017 11:47:57

Highest Band Edge / Full RB

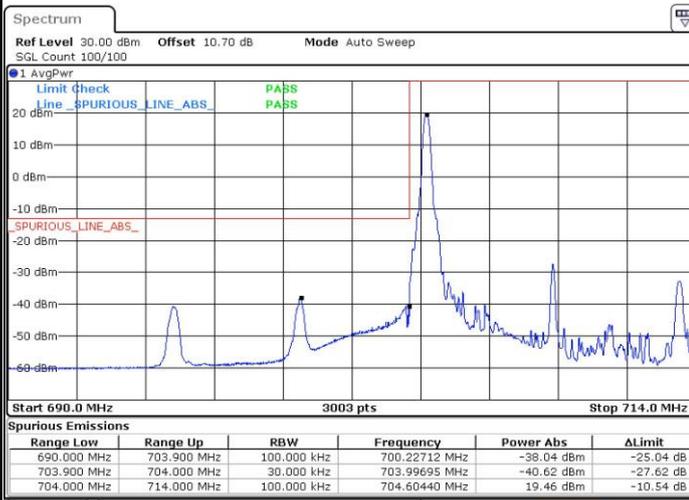


Date: 9 JAN 2017 11:57:33



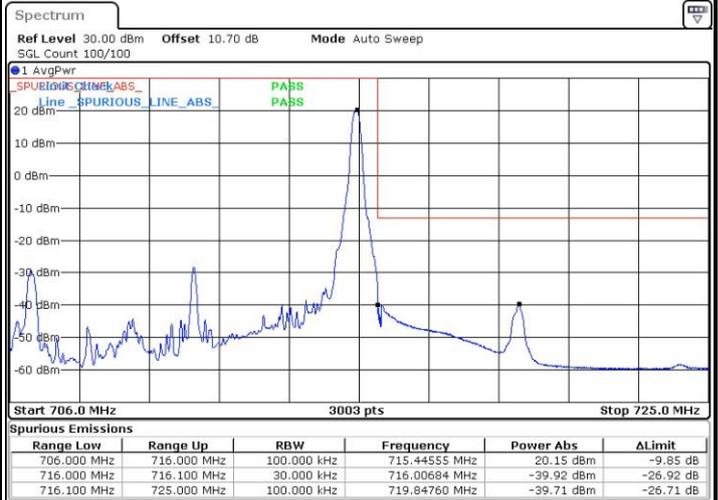
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



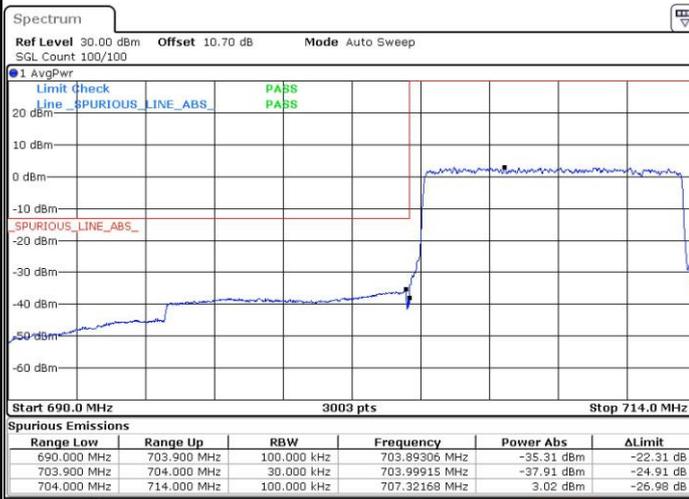
Date: 9 JAN 2017 12:01:12

Highest Band Edge / 1 RB



Date: 10 JAN 2017 10:57:09

Lowest Band Edge / Full RB



Date: 9 JAN 2017 12:03:30

Highest Band Edge / Full RB

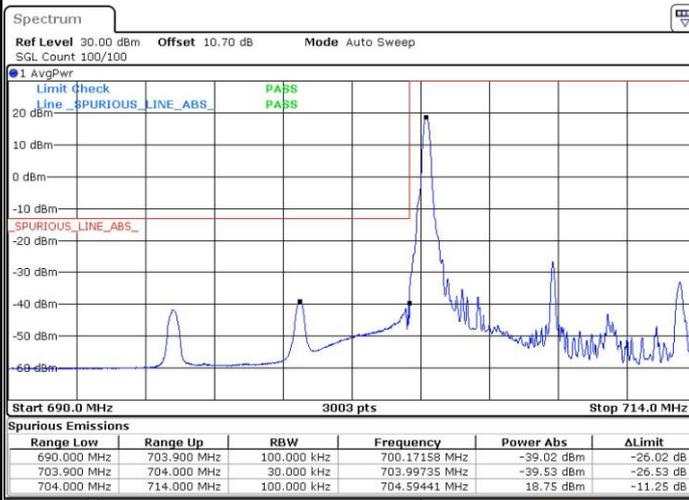


Date: 10 JAN 2017 10:59:27



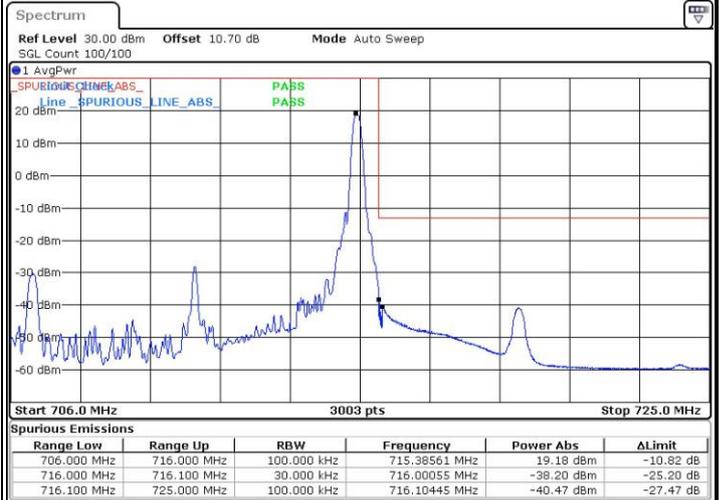
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



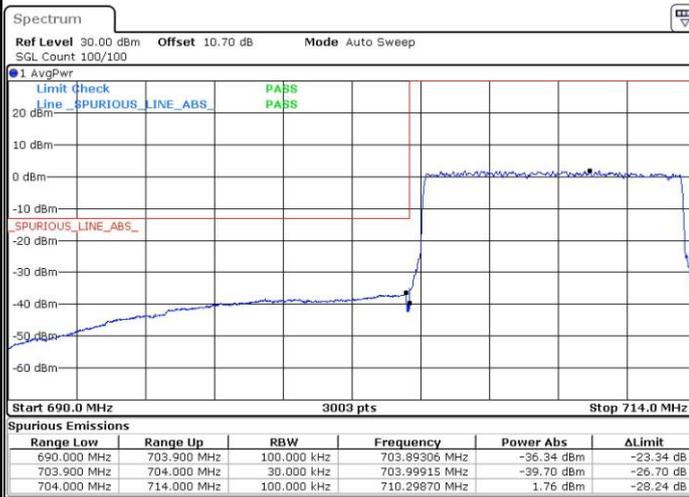
Date: 9 JAN 2017 12:02:21

Highest Band Edge / 1 RB



Date: 10 JAN 2017 10:58:18

Lowest Band Edge / Full RB



Date: 9 JAN 2017 12:04:39

Highest Band Edge / Full RB



Date: 10 JAN 2017 11:00:36



Conducted Spurious Emission

