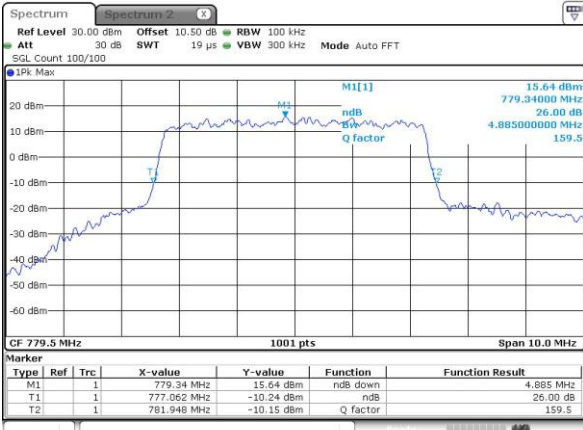




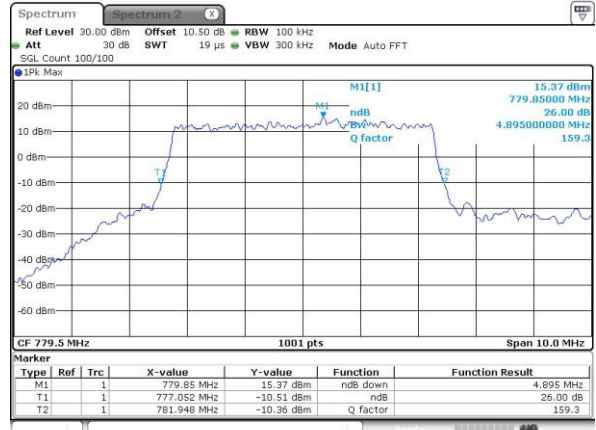
LTE Band 13

Lowest Channel / 5MHz / QPSK



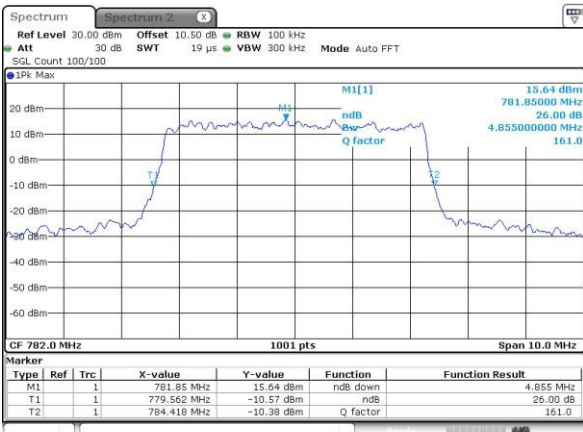
Date: 1,SEP,2016 21:12:04

Lowest Channel / 5MHz / 16QAM



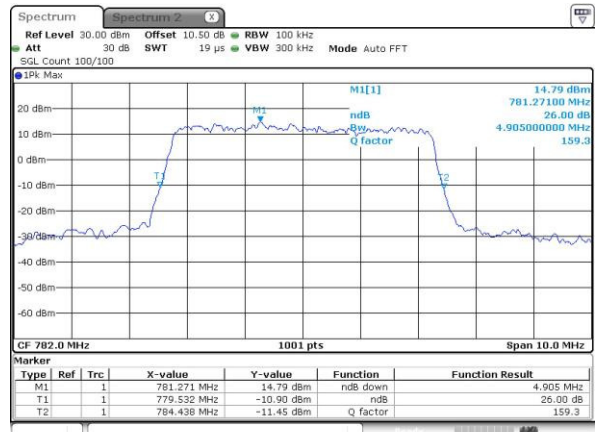
Date: 1,SEP,2016 21:11:53

Middle Channel / 5MHz / QPSK



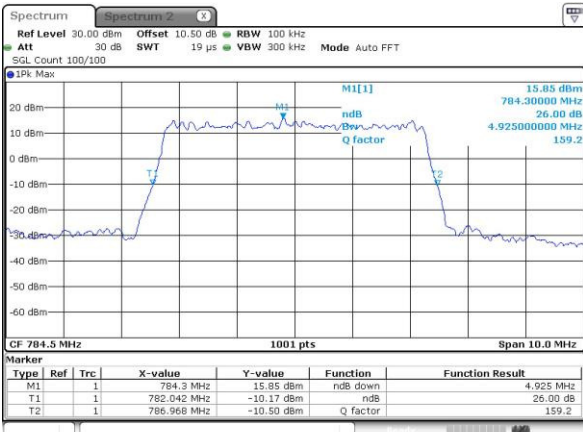
Date: 1,SEP,2016 21:16:08

Middle Channel / 5MHz / 16QAM



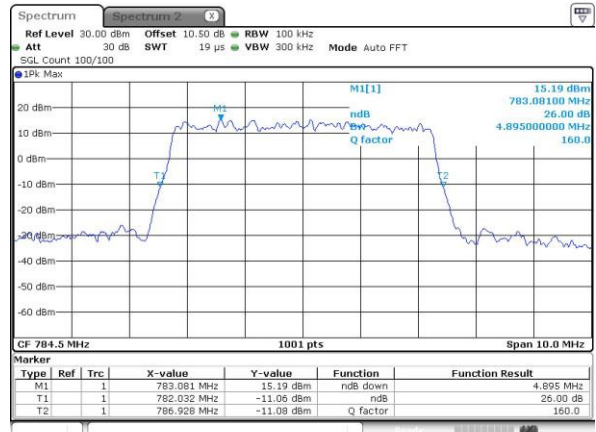
Date: 1,SEP,2016 21:16:19

Highest Channel / 5MHz / QPSK



Date: 1,SEP,2016 21:17:30

Highest Channel / 5MHz / 16QAM

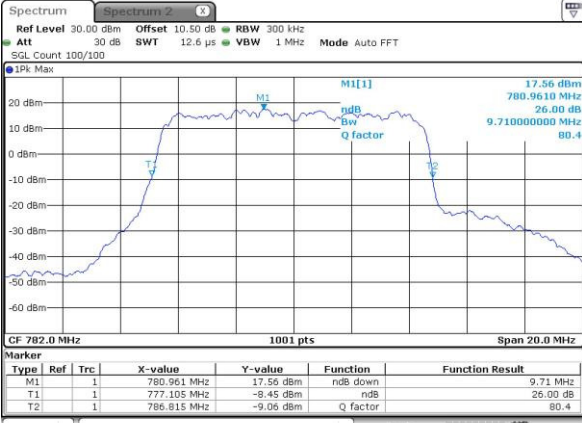


Date: 1,SEP,2016 21:17:18



LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 1.SEP.2016 21:20:13

Middle Channel / 10MHz / 16QAM



Date: 1.SEP.2016 21:20:02



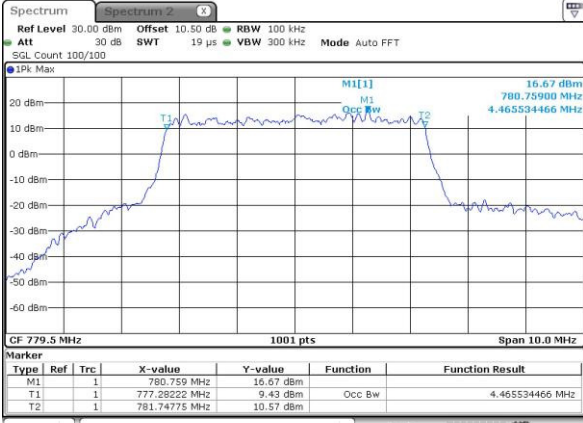
Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(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	-	-	-	-	4.47	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.47	4.49	8.95	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.48	-	-	-	-	-	-



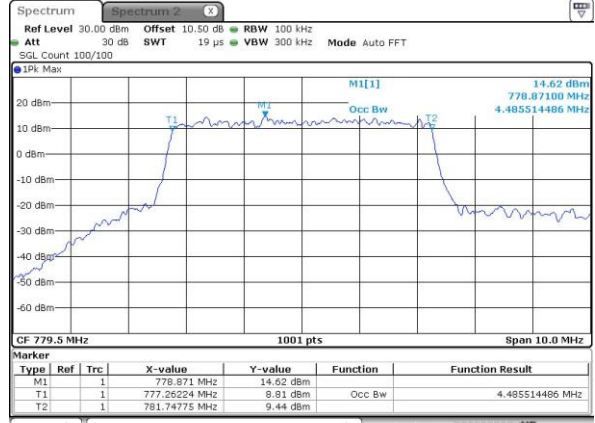
LTE Band 13

Lowest Channel / 5MHz / QPSK



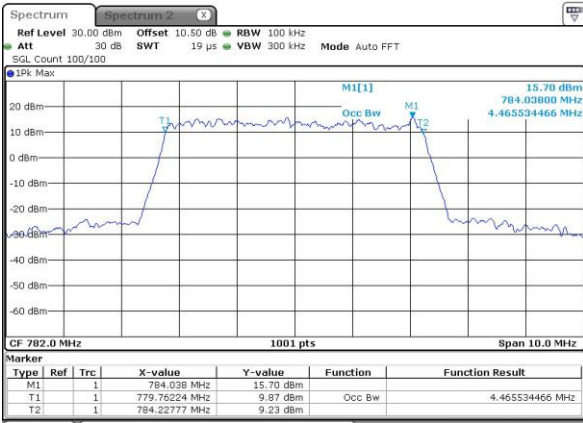
Date: 1,SEP,2016 21:11:29

Lowest Channel / 5MHz / 16QAM



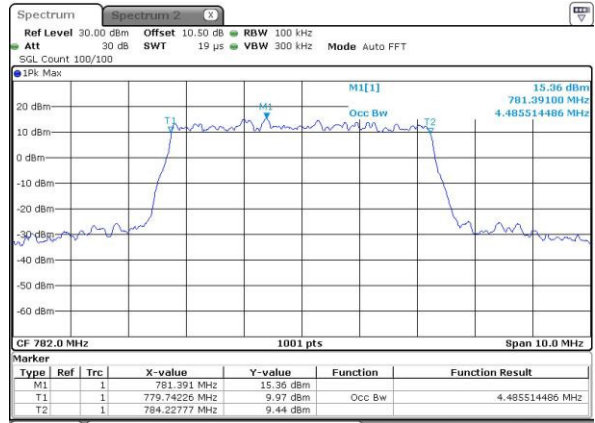
Date: 1,SEP,2016 21:11:41

Middle Channel / 5MHz / QPSK



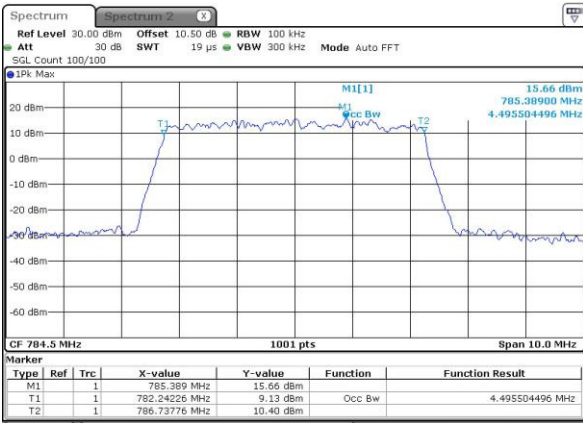
Date: 1,SEP,2016 21:16:43

Middle Channel / 5MHz / 16QAM



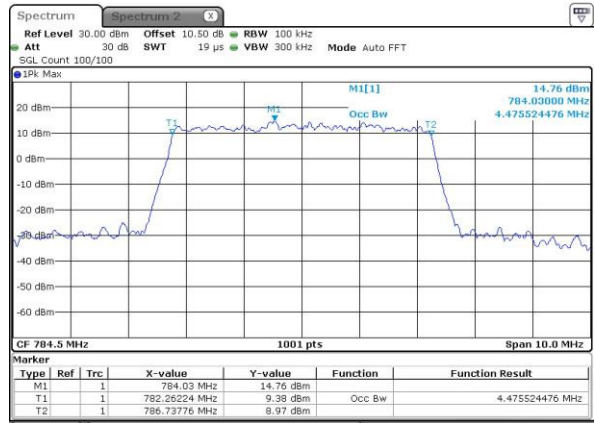
Date: 1,SEP,2016 21:16:31

Highest Channel / 5MHz / QPSK



Date: 1,SEP,2016 21:16:55

Highest Channel / 5MHz / 16QAM

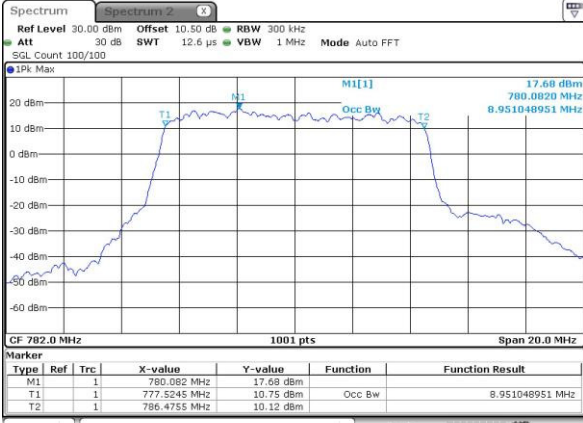


Date: 1,SEP,2016 21:17:06



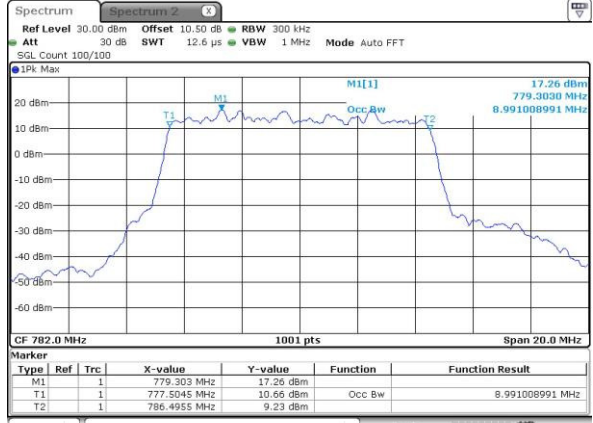
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 1.SEP.2016 21:19:38

Middle Channel / 10MHz / 16QAM



Date: 1.SEP.2016 21:19:50



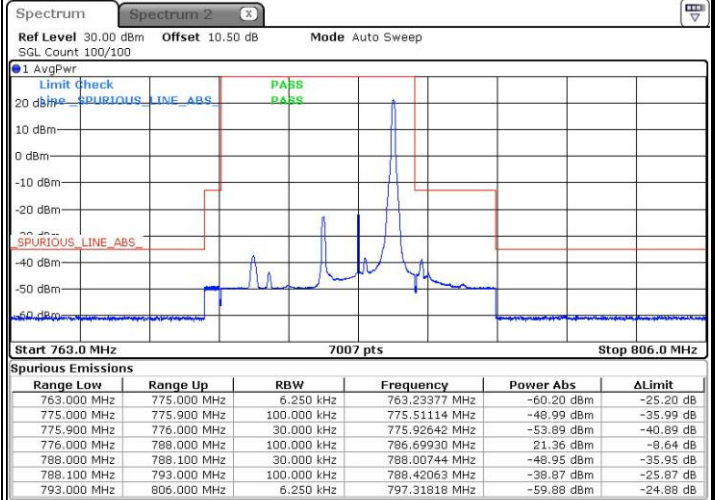
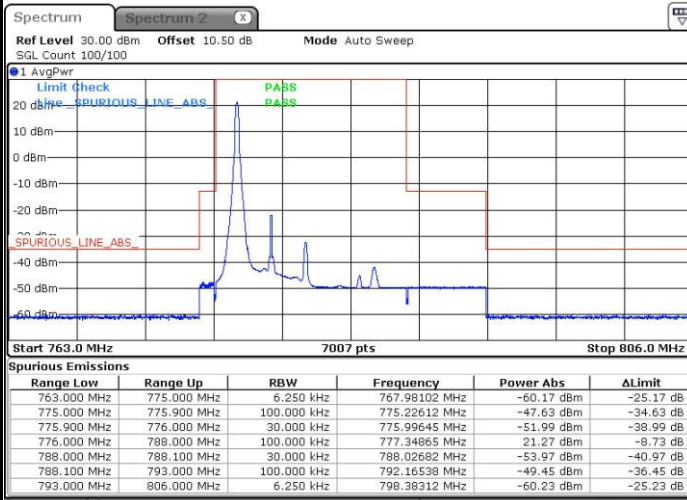
Conducted Band Edge



LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

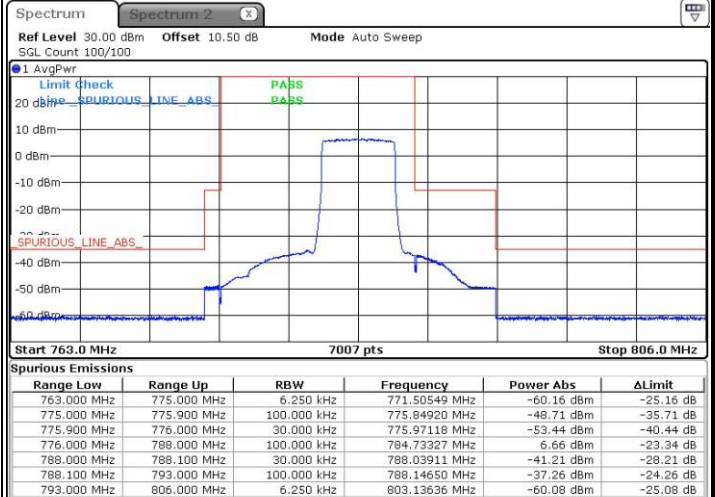
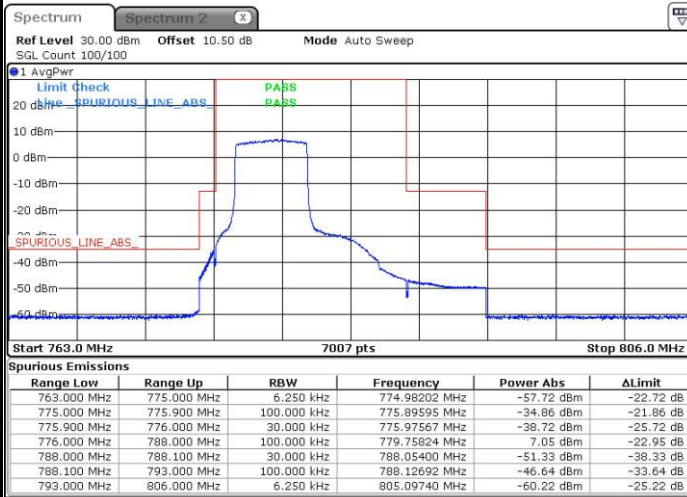


Date: 2.SEP.2016 00:30:40

Date: 2.SEP.2016 00:44:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



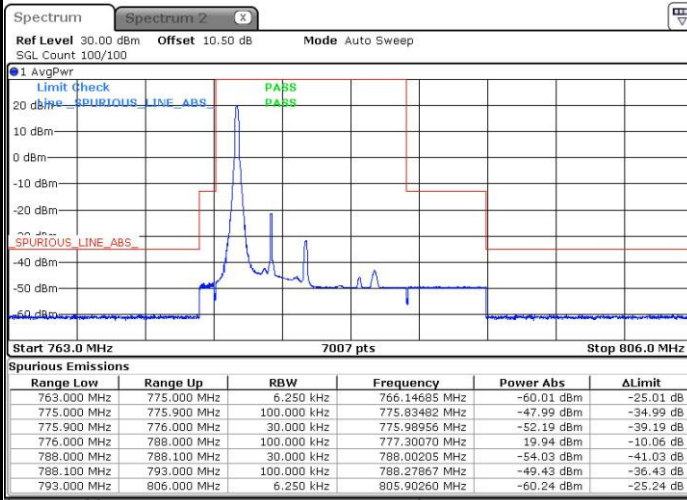
Date: 2.SEP.2016 00:37:11

Date: 2.SEP.2016 00:38:59



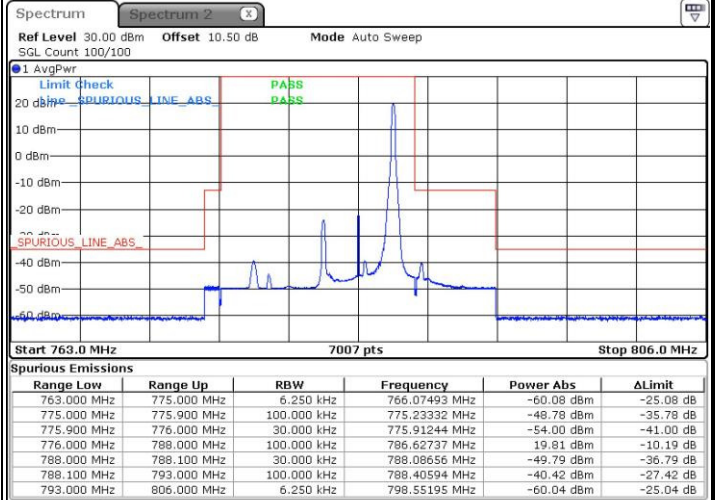
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



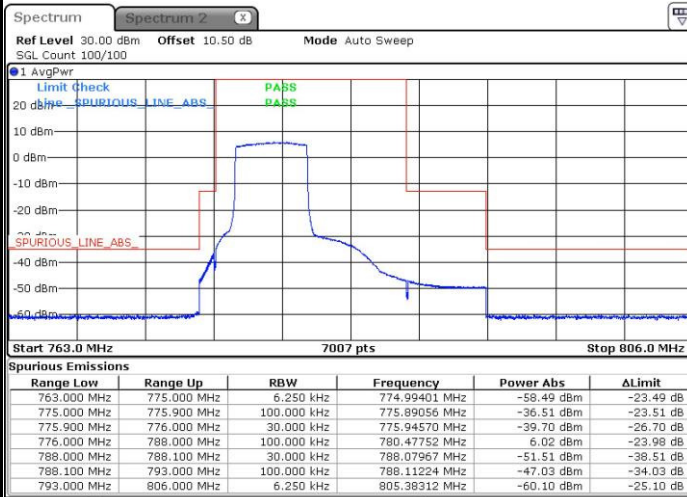
Date: 2.SEP.2016 00:33:29

Highest Band Edge / 1 RB



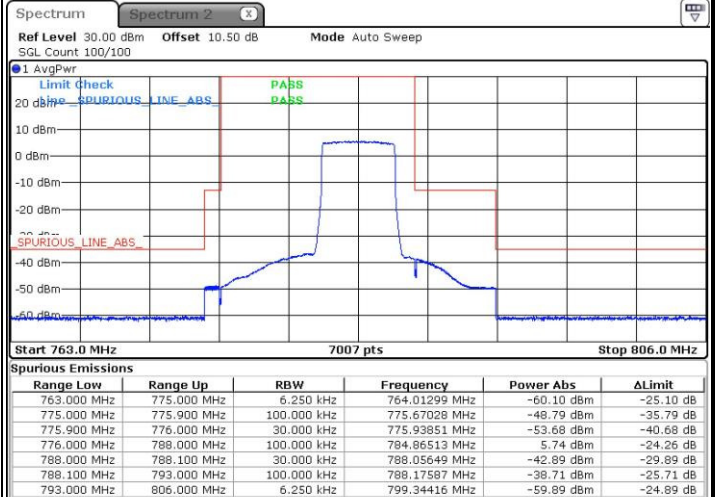
Date: 2.SEP.2016 00:42:37

Lowest Band Edge / Full RB



Date: 2.SEP.2016 00:35:08

Highest Band Edge / Full RB

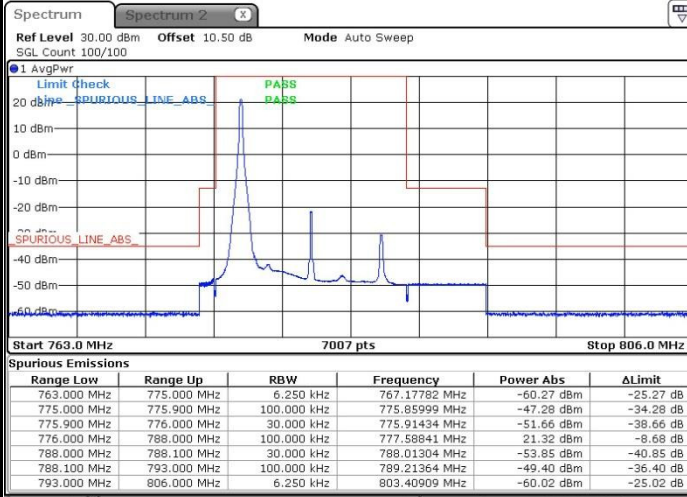


Date: 2.SEP.2016 00:41:08



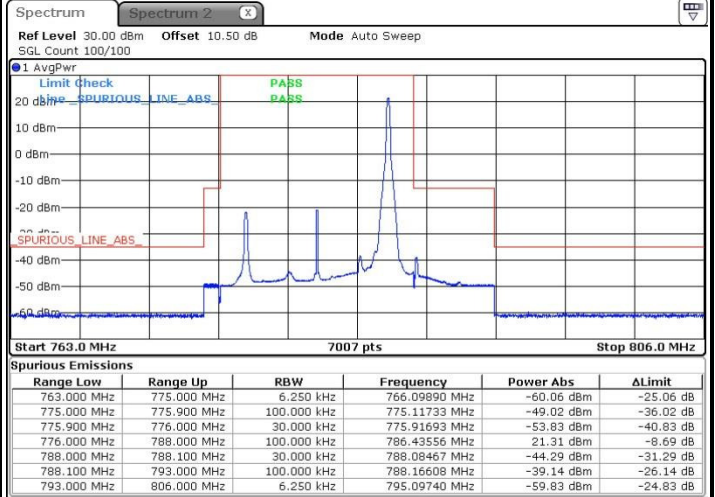
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



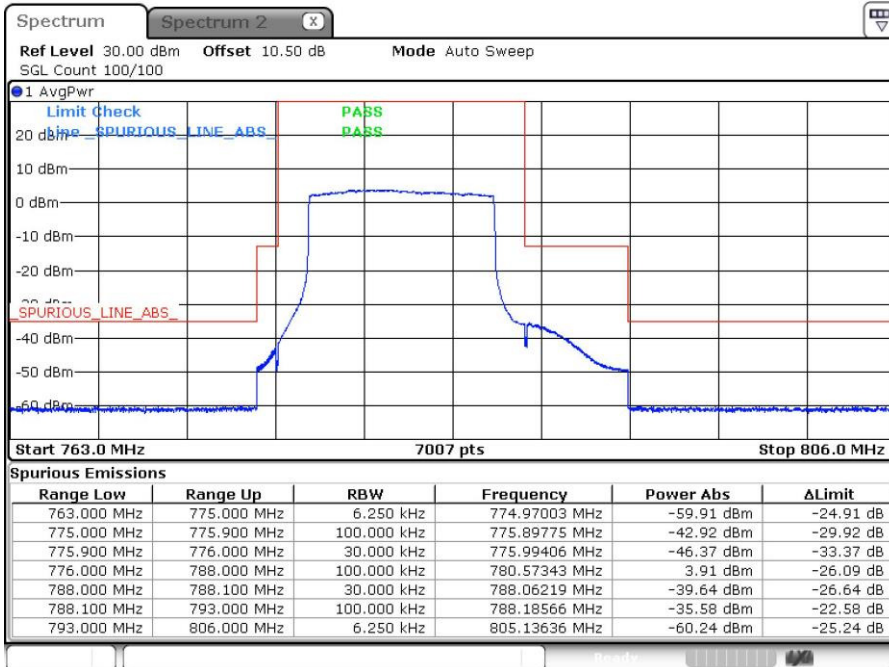
Date: 2.SEP.2016 00:46:07

Highest Band Edge / 1 RB



Date: 2.SEP.2016 01:03:59

Band Edge / Full RB

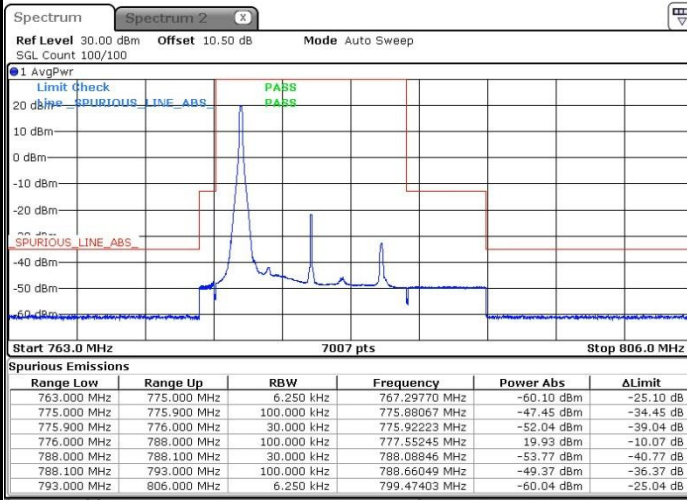


Date: 2.SEP.2016 00:54:54



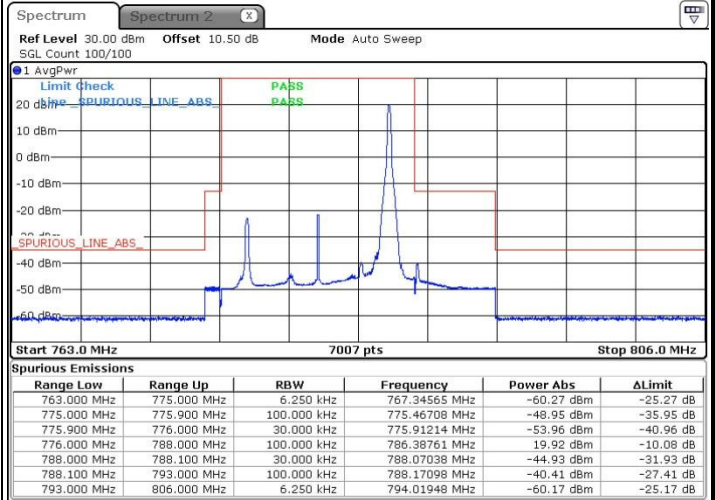
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



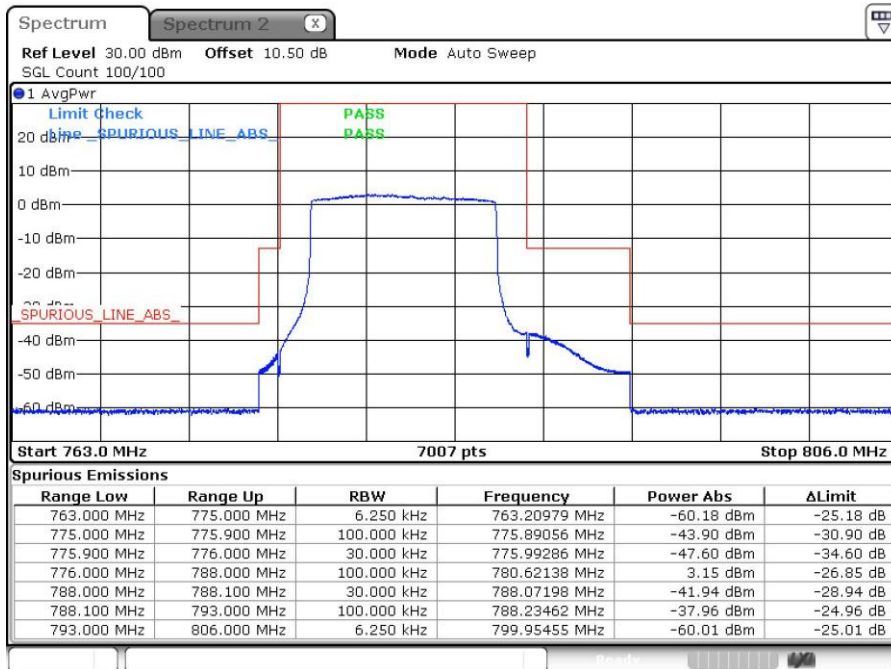
Date: 2.SEP.2016 00:47:39

Highest Band Edge / 1 RB



Date: 2.SEP.2016 01:06:45

Band Edge / Full RB



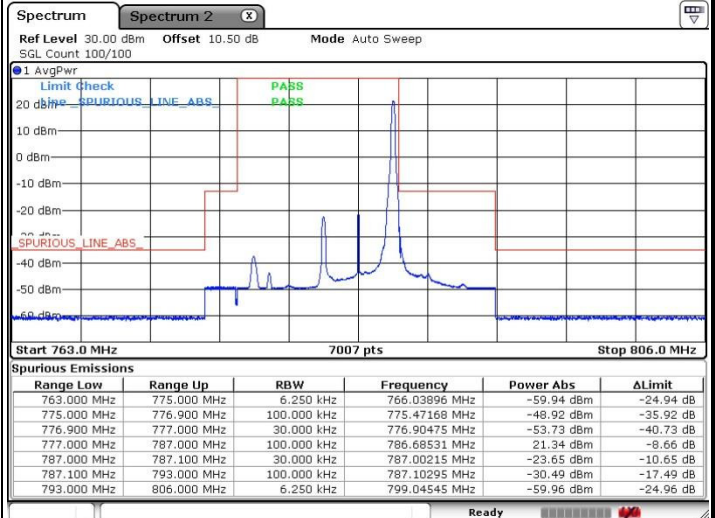
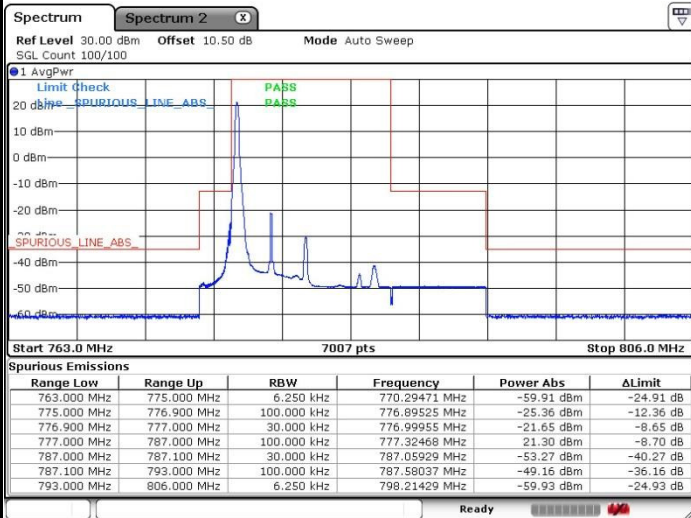
Date: 2.SEP.2016 00:53:23



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

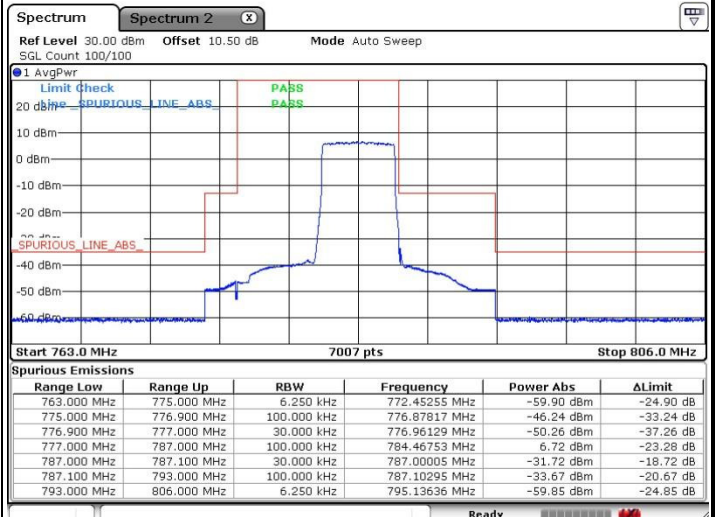
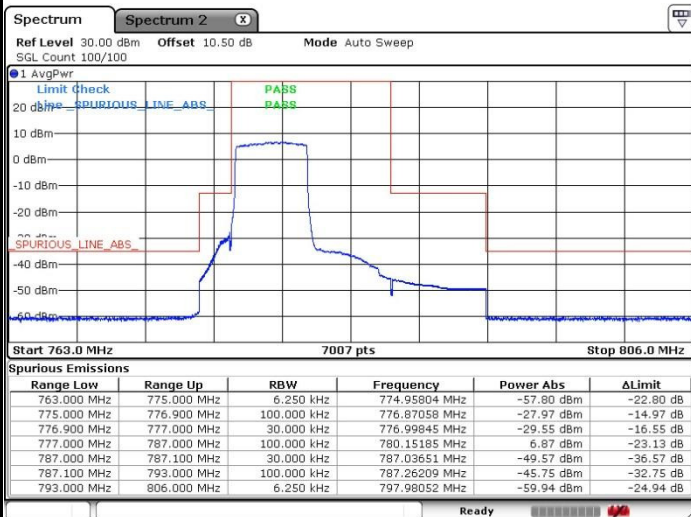


Date: 2.SEP.2016 21:47:43

Date: 2.SEP.2016 22:08:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.SEP.2016 21:53:55

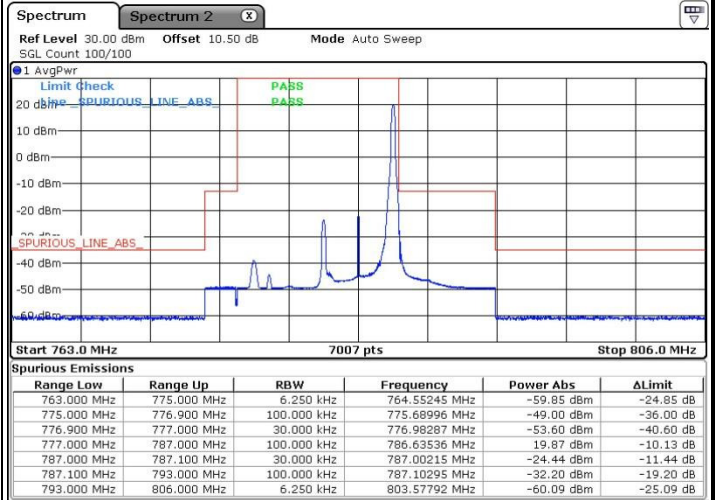
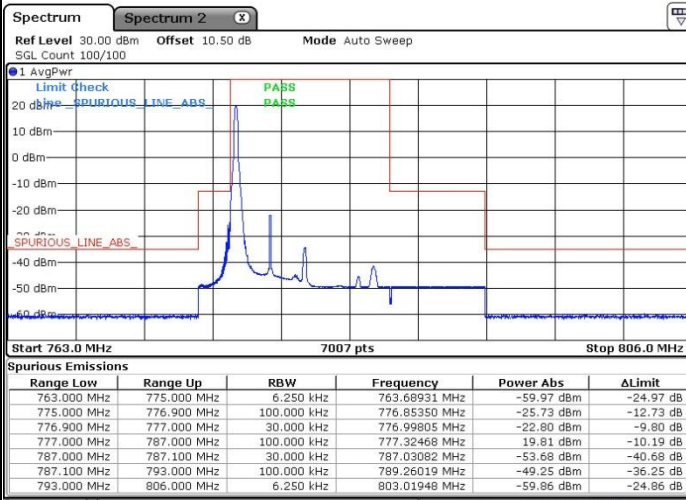
Date: 2.SEP.2016 22:13:13



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

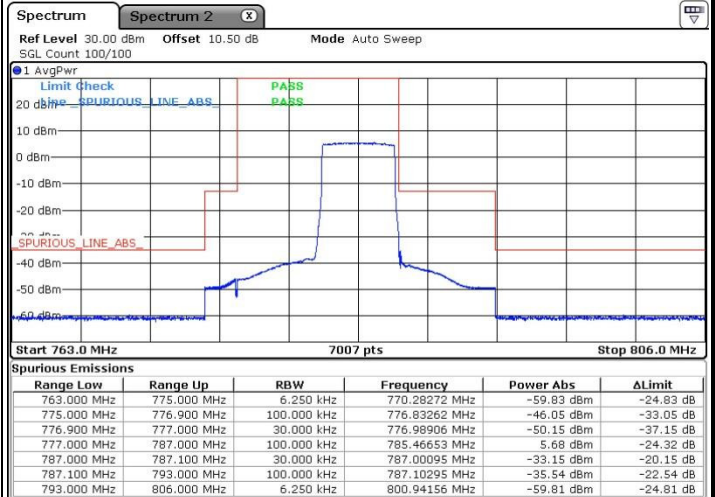
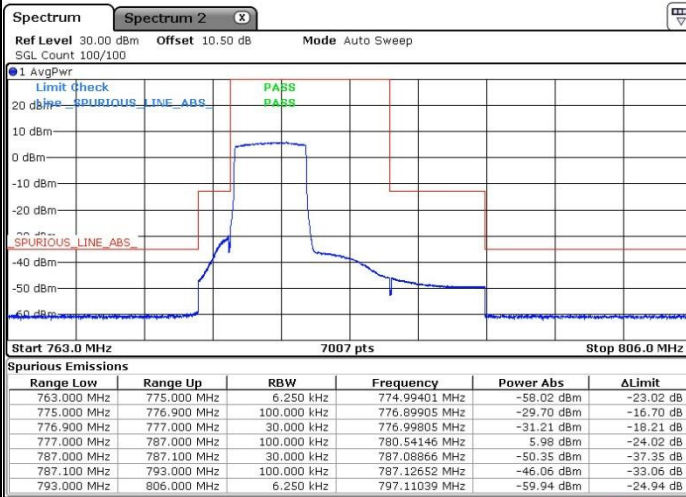


Date: 2.SEP.2016 21:51:08

Date: 2.SEP.2016 22:11:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



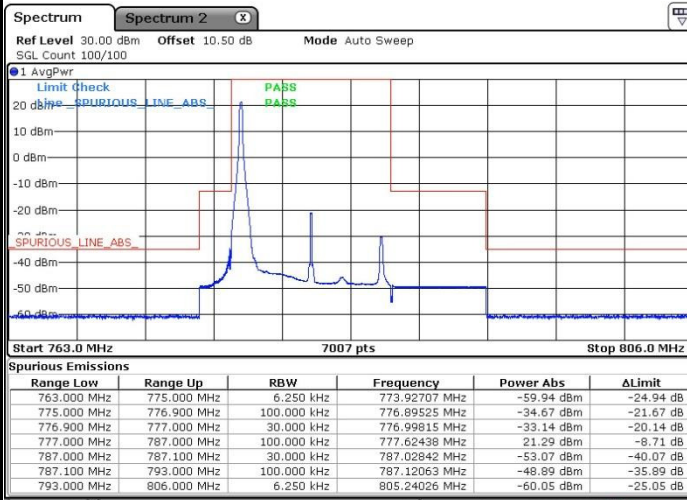
Date: 2.SEP.2016 21:55:15

Date: 2.SEP.2016 22:14:43



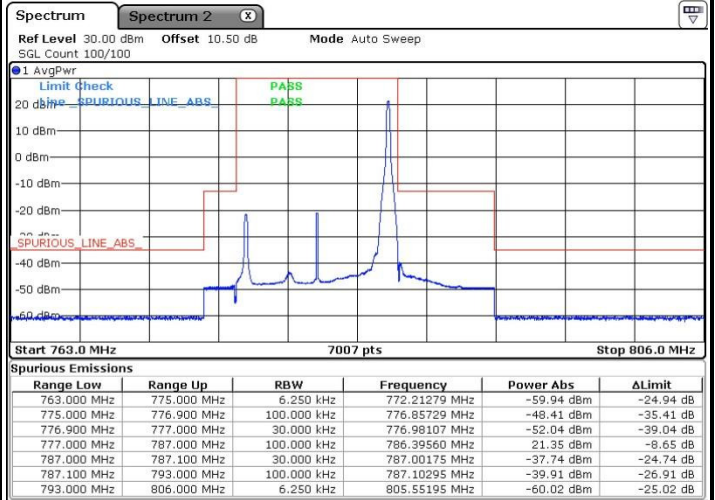
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



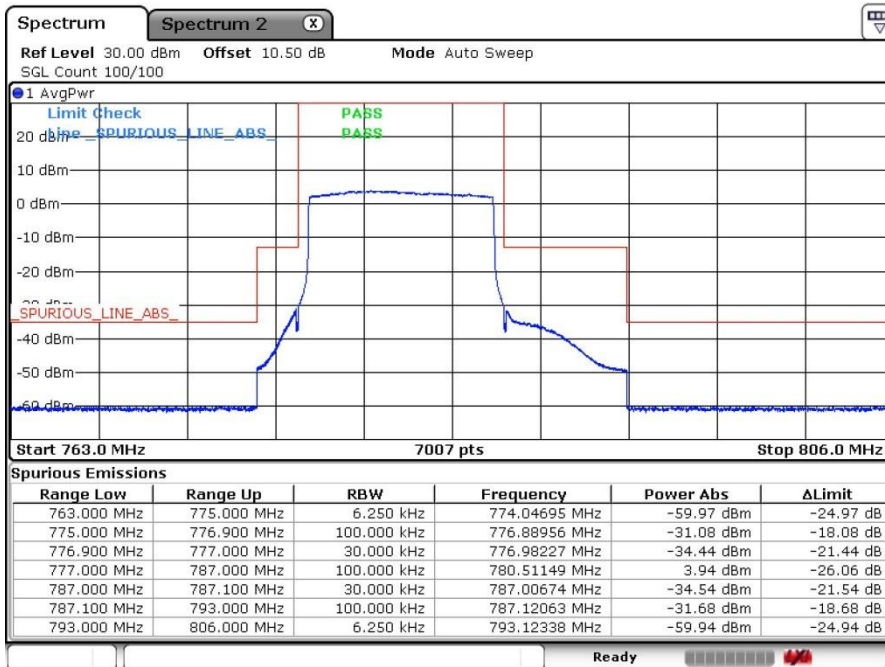
Date: 2.SEP.2016 22:22:30

Highest Band Edge / 1 RB



Date: 2.SEP.2016 22:25:29

Band Edge / Full RB

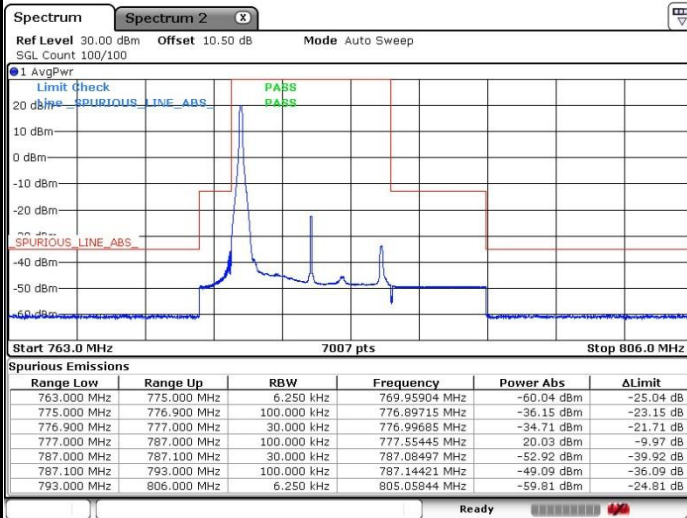


Date: 2.SEP.2016 22:19:33



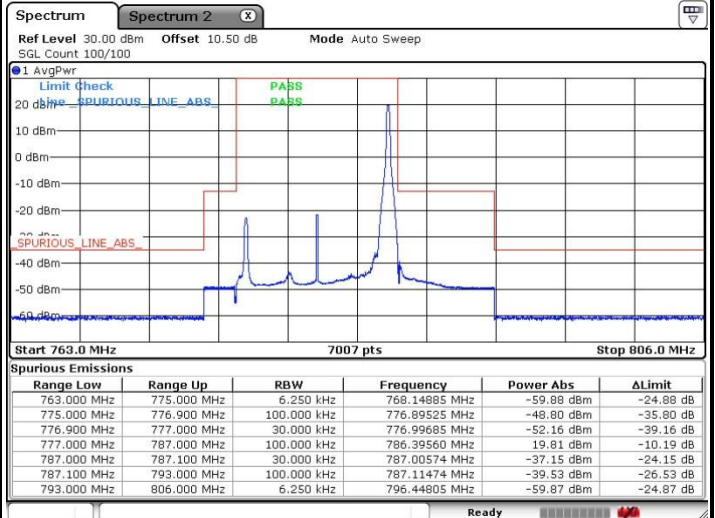
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



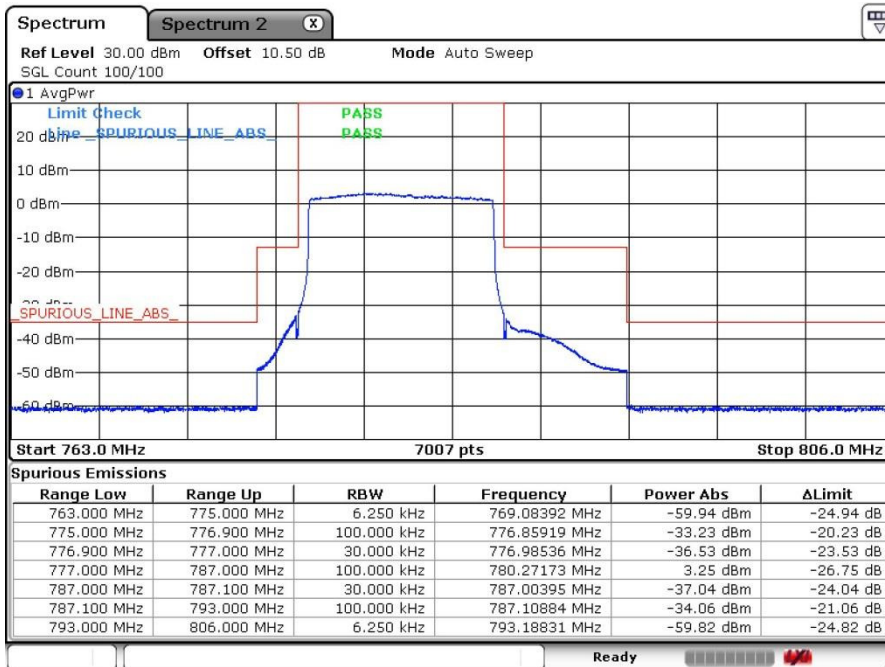
Date: 2.SEP.2016 22:23:52

Highest Band Edge / 1 RB



Date: 2.SEP.2016 22:27:21

Band Edge / Full RB



Date: 2.SEP.2016 22:21:01

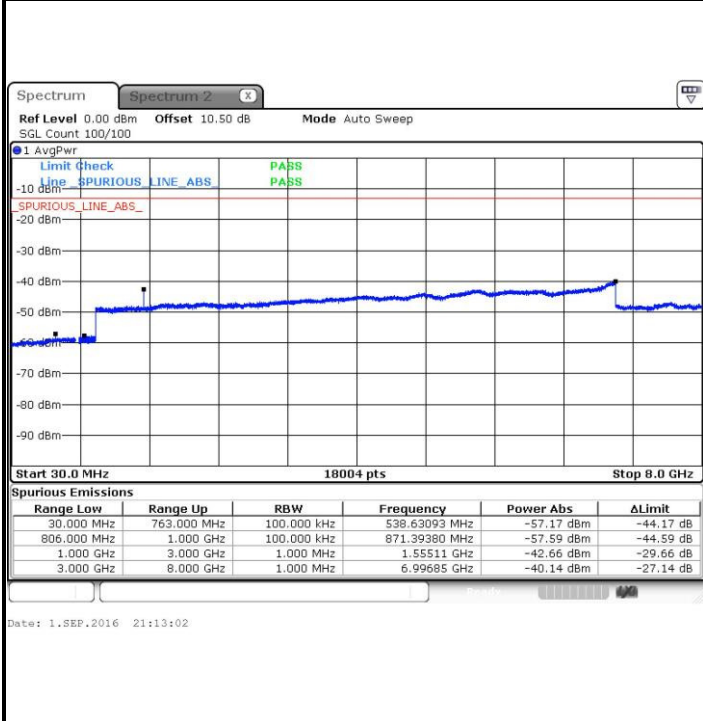


Conducted Spurious Emission



LTE Band 13 / 5MHz

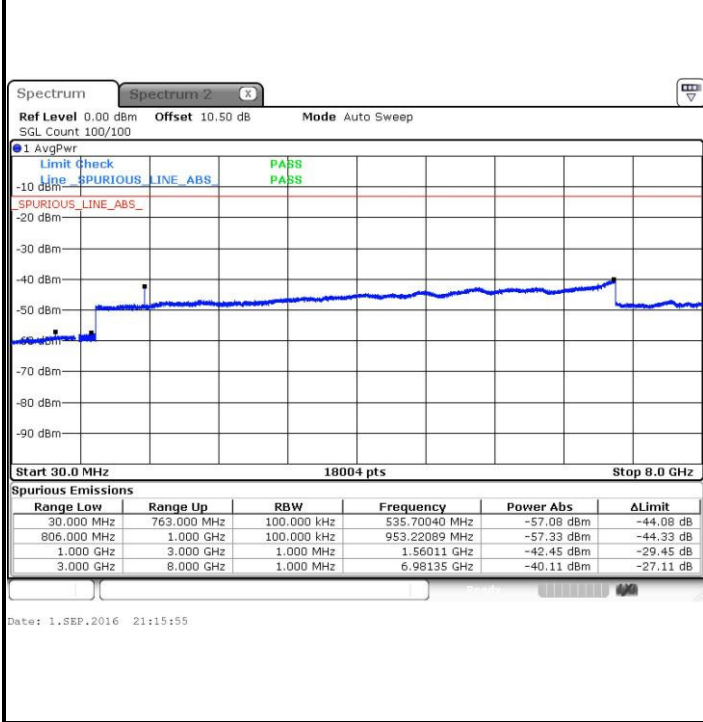
Lowest Channel / QPSK



Lowest Channel / 16QAM



Middle Channel / QPSK



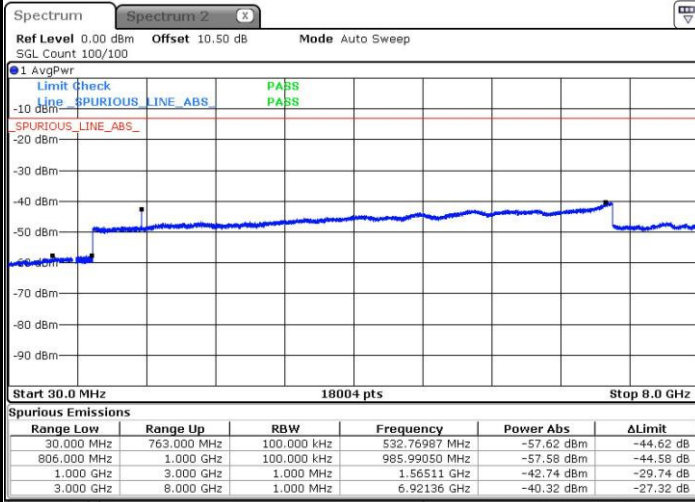
Middle Channel / 16QAM





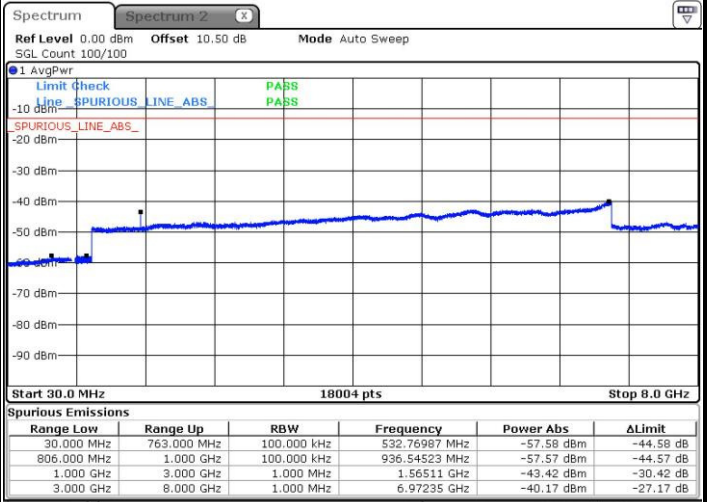
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 1.SEP.2016 21:18:27

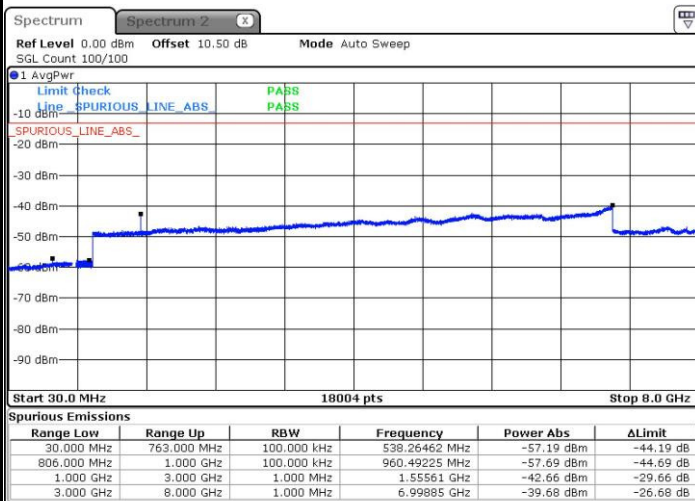
Highest Channel / 16QAM



Date: 1.SEP.2016 21:19:25

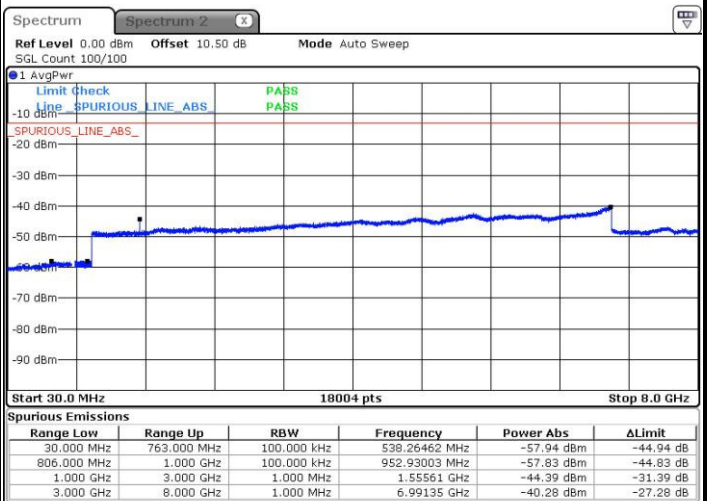
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.SEP.2016 21:22:08

Middle Channel / 16QAM



Date: 1.SEP.2016 21:21:11



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0090	PASS
40	Normal Voltage	0.0095	
30	Normal Voltage	0.0100	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0118	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0086	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.2 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	3.83	4.93	4.7	5.71	PASS
Middle CH	4.06	4.75	5.22	5.74	
Highest CH	4.12	4.72	4.96	5.71	



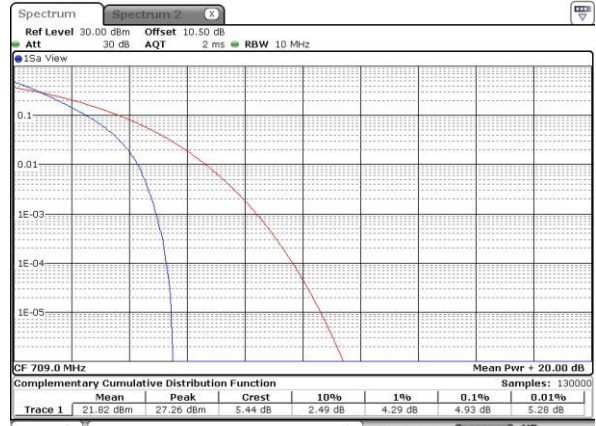
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



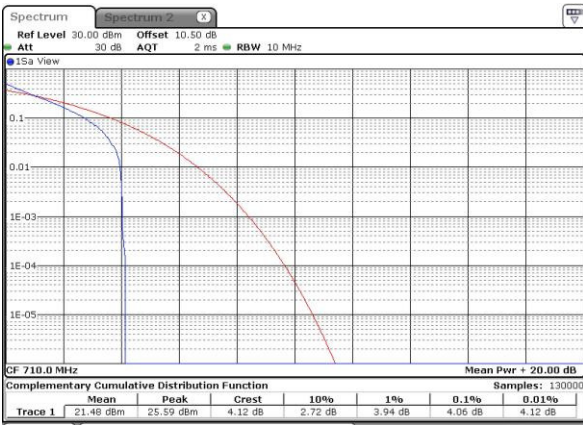
Date: 1,SEP,2016 21:09:12

Lowest Channel / Full RB



Date: 1,SEP,2016 21:09:23

Middle Channel / 1RB



Date: 1,SEP,2016 21:09:34

Middle Channel / Full RB



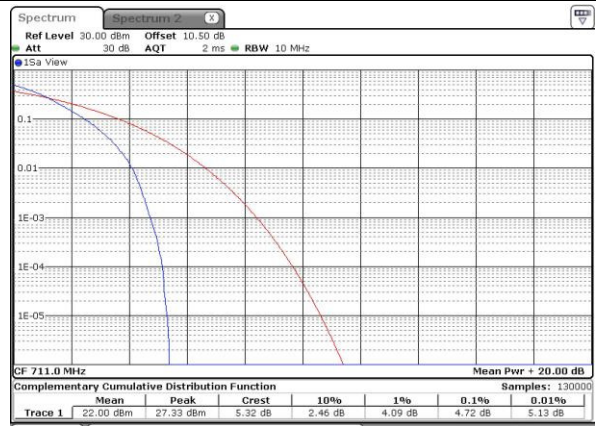
Date: 1,SEP,2016 21:10:00

Highest Channel / 1RB



Date: 1,SEP,2016 21:10:13

Highest Channel / Full RB

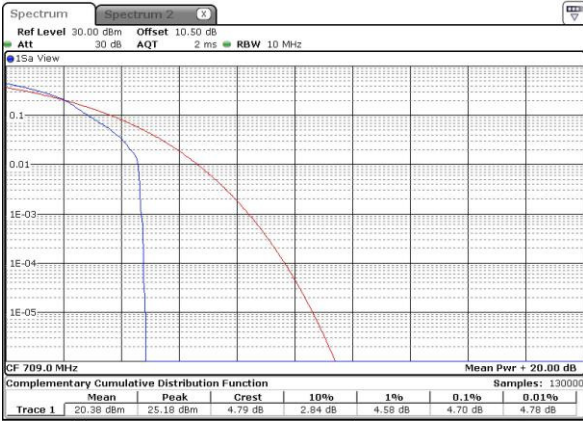


Date: 1,SEP,2016 21:10:25



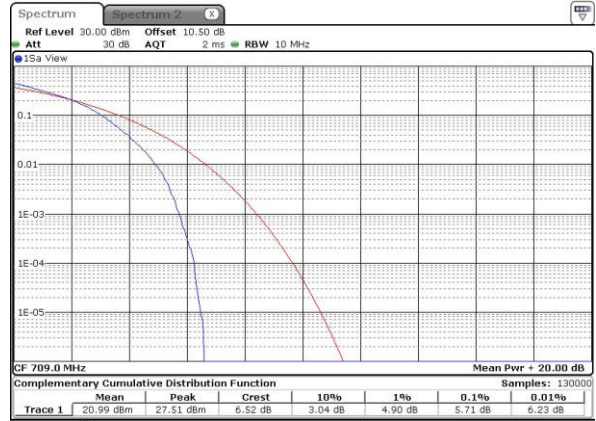
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



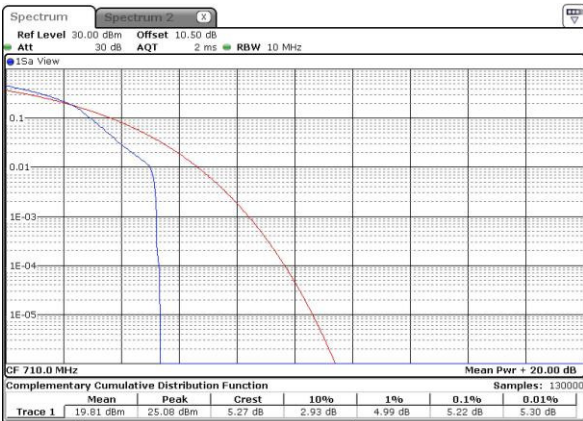
Date: 1,SEP,2016 21:08:04

Lowest Channel / Full RB



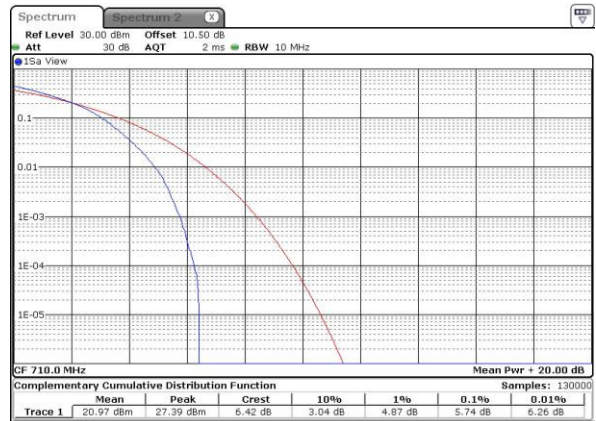
Date: 1,SEP,2016 21:08:15

Middle Channel / 1RB



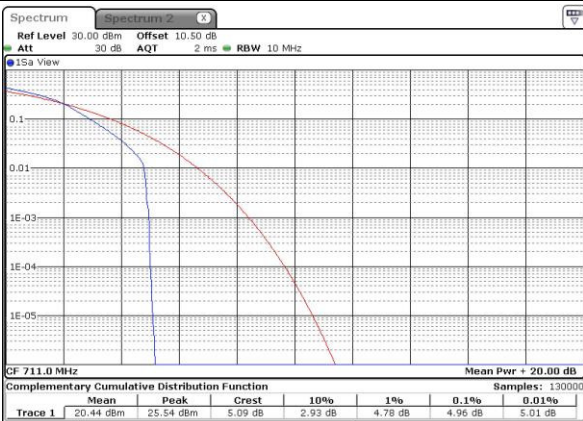
Date: 1,SEP,2016 21:08:26

Middle Channel / Full RB



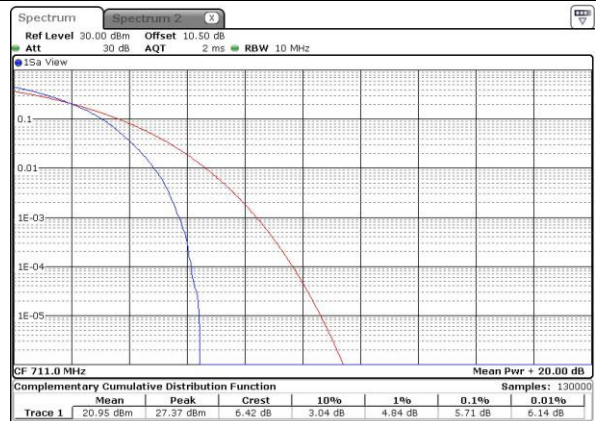
Date: 1,SEP,2016 21:08:37

Highest Channel / 1RB



Date: 1,SEP,2016 21:08:48

Highest Channel / Full RB



Date: 1,SEP,2016 21:09:00



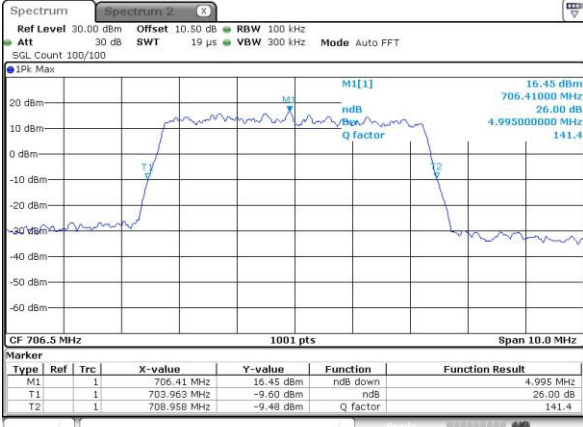
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.995	4.925	9.83	9.75	-	-	-	-
Middle CH	-	-	-	-	4.945	4.875	9.79	9.75	-	-	-	-
Highest CH	-	-	-	-	4.915	4.885	9.83	9.71	-	-	-	-



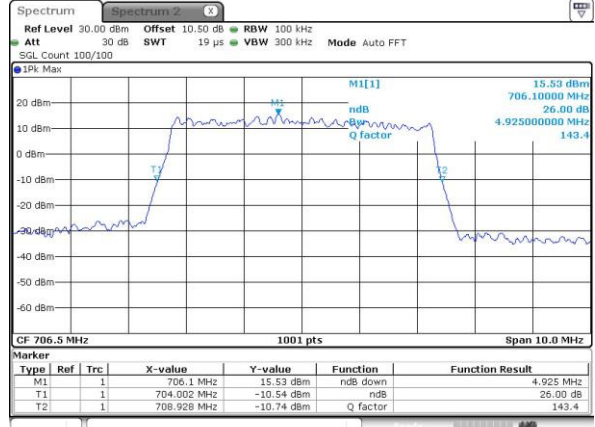
LTE Band 17

Lowest Channel / 5MHz / QPSK



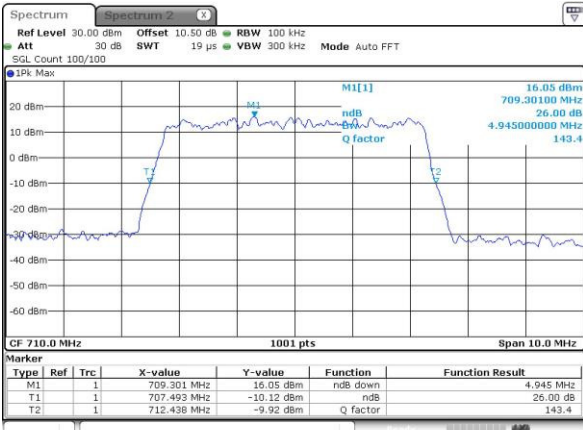
Date: 1,SEP,2016 20:33:18

Lowest Channel / 5MHz / 16QAM



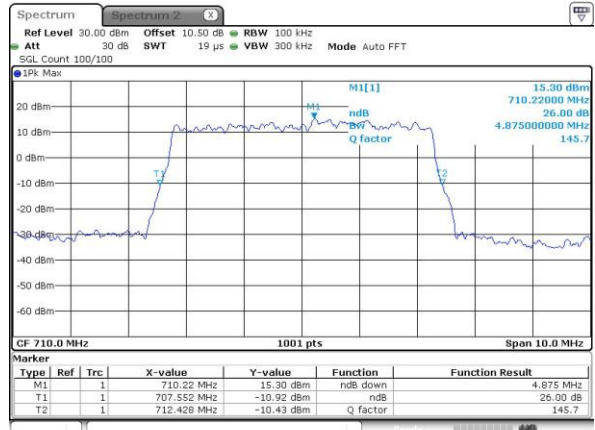
Date: 1,SEP,2016 20:33:30

Middle Channel / 5MHz / QPSK



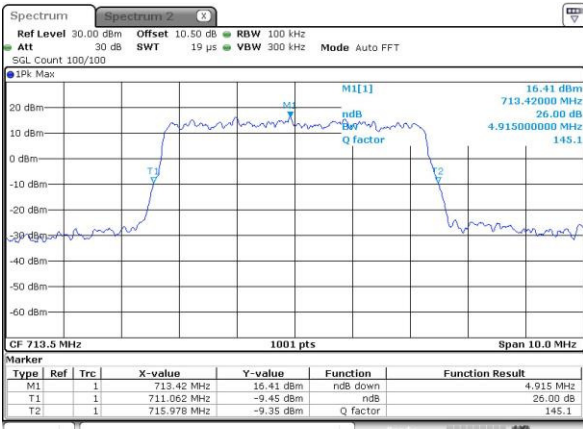
Date: 1,SEP,2016 20:40:41

Middle Channel / 5MHz / 16QAM



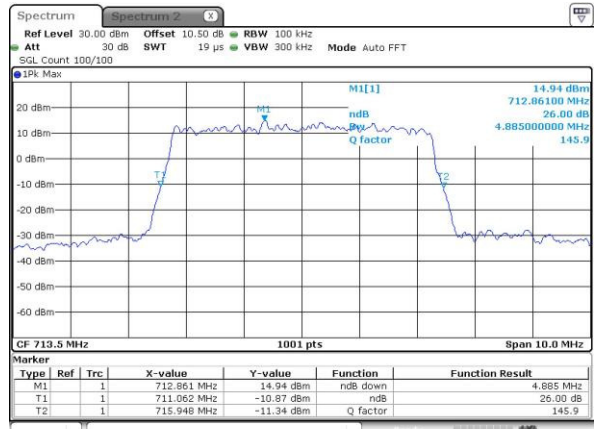
Date: 1,SEP,2016 20:40:52

Highest Channel / 5MHz / QPSK



Date: 1,SEP,2016 20:43:25

Highest Channel / 5MHz / 16QAM



Date: 1,SEP,2016 20:43:36