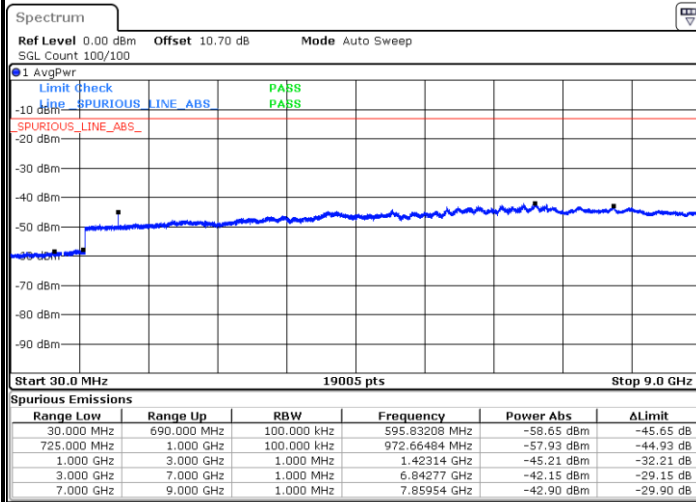




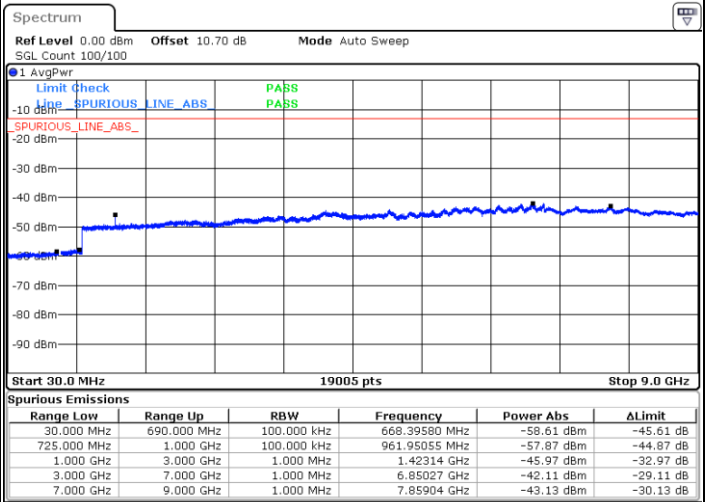
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 3.AUG.2017 21:25:39

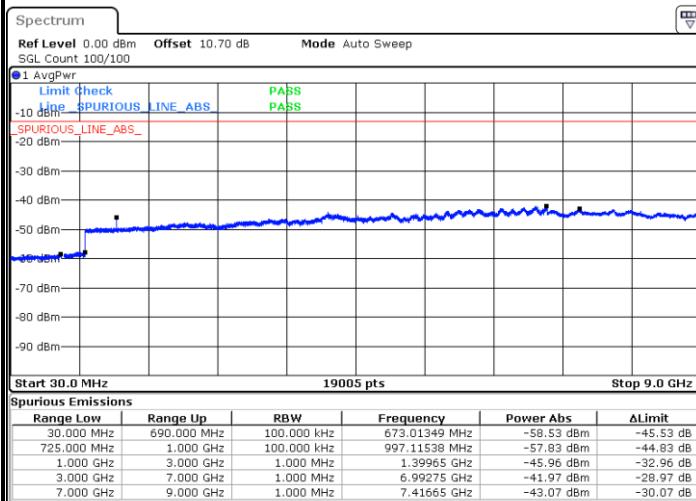
Highest Channel / 16QAM



Date: 3.AUG.2017 21:24:45

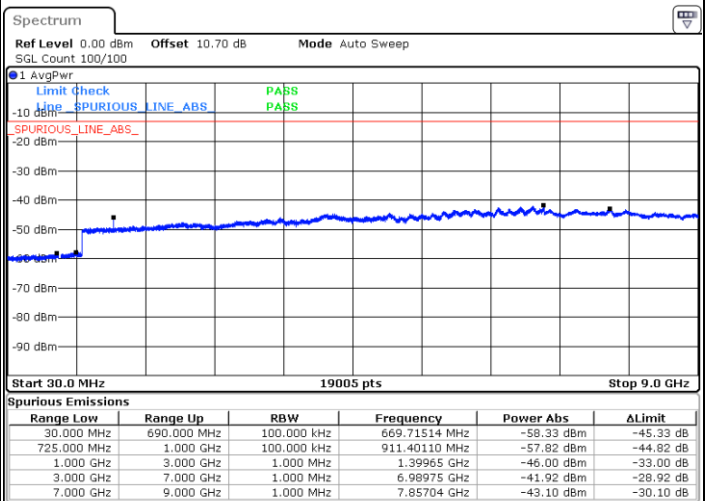
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 3.AUG.2017 21:31:48

Lowest Channel / 16QAM

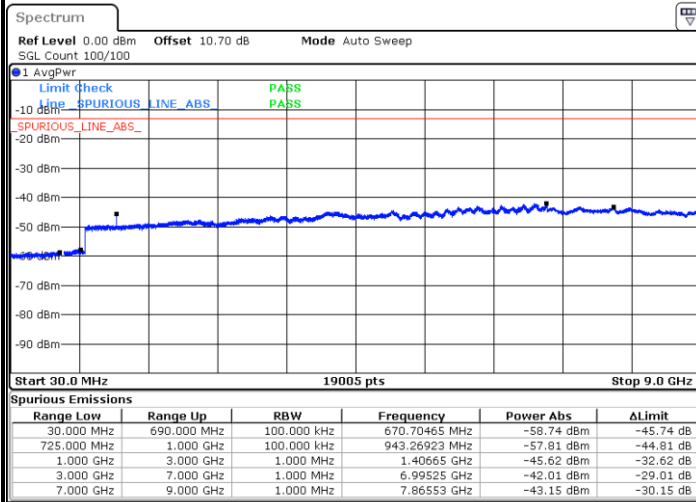


Date: 3.AUG.2017 21:32:42



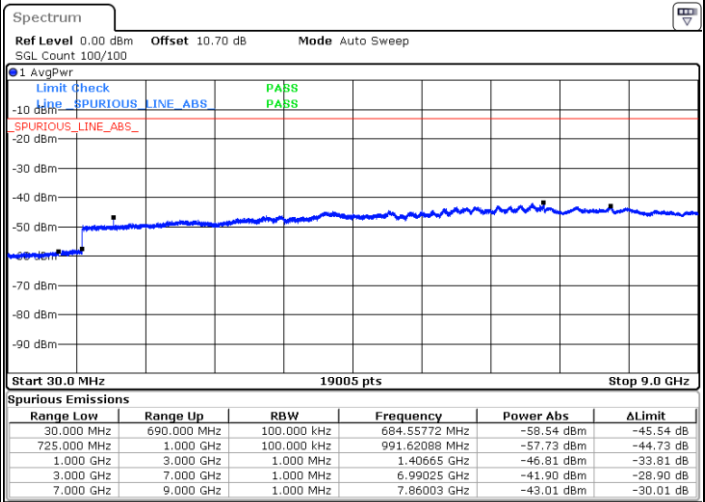
LTE Band 12 / 10MHz

Middle Channel / QPSK



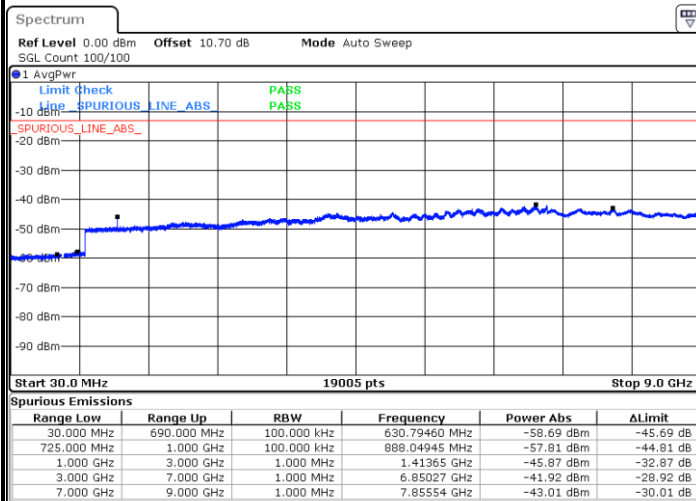
Date: 3.AUG.2017 21:35:09

Middle Channel / 16QAM



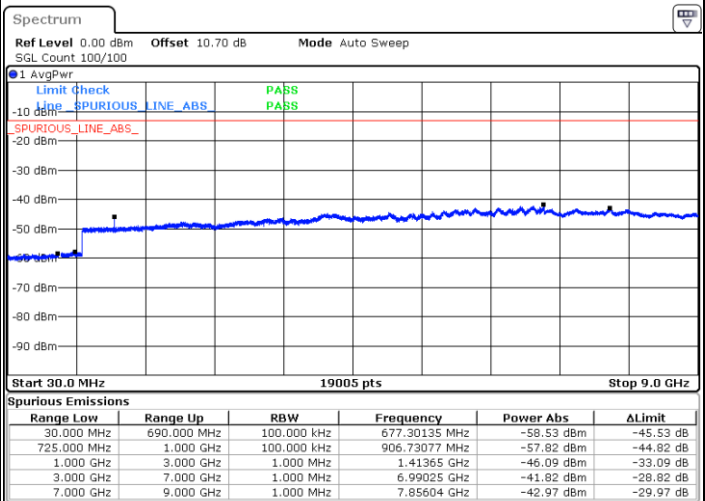
Date: 3.AUG.2017 21:34:16

Highest Channel / QPSK



Date: 3.AUG.2017 21:41:18

Highest Channel / 16QAM

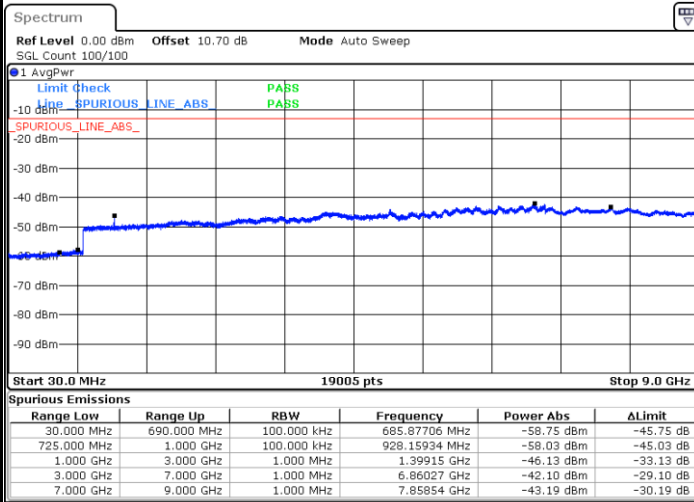


Date: 3.AUG.2017 21:42:12



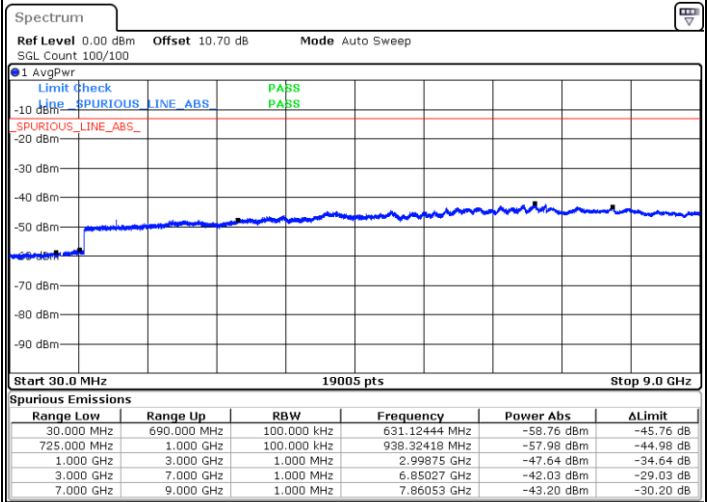
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



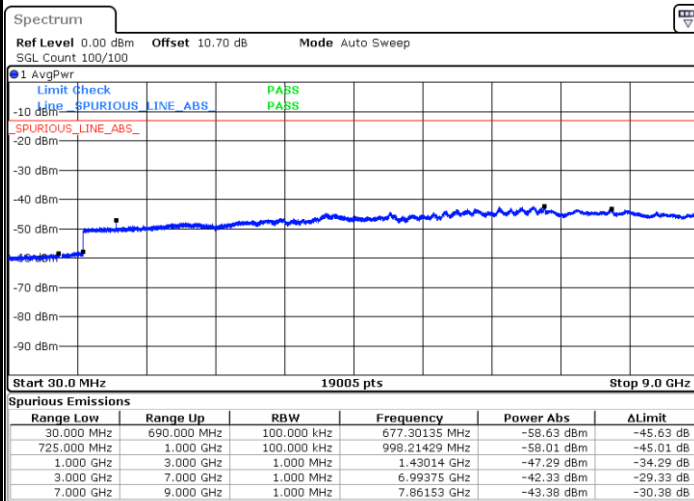
Date: 6.OCT.2017 22:31:52

Middle Channel / 64QAM



Date: 6.OCT.2017 22:33:06

Highest Channel / 64QAM

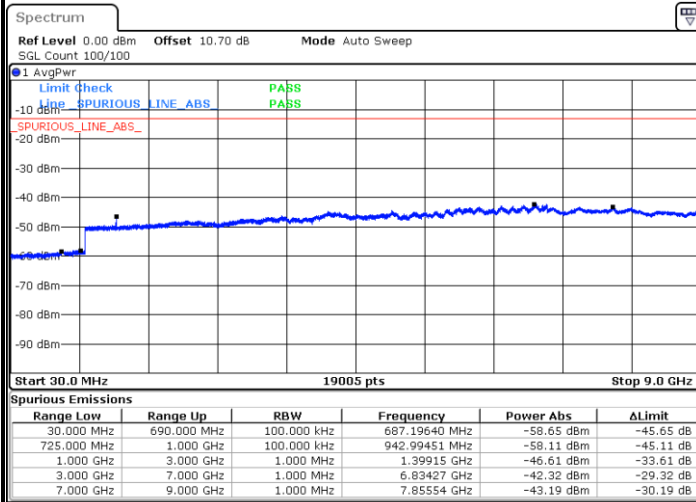


Date: 6.OCT.2017 22:36:37



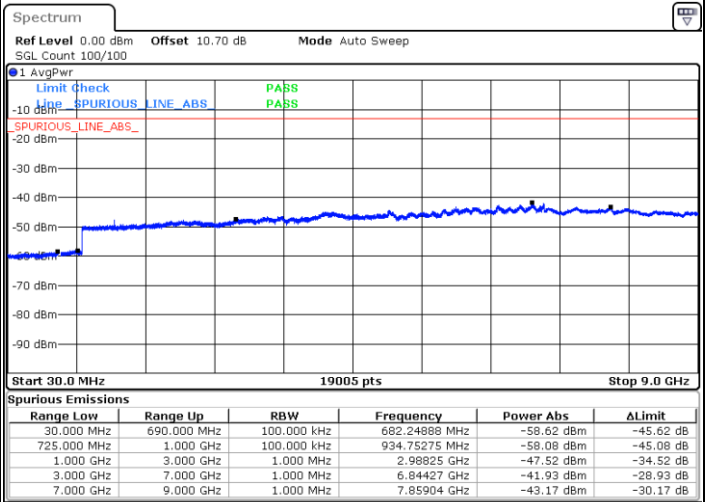
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



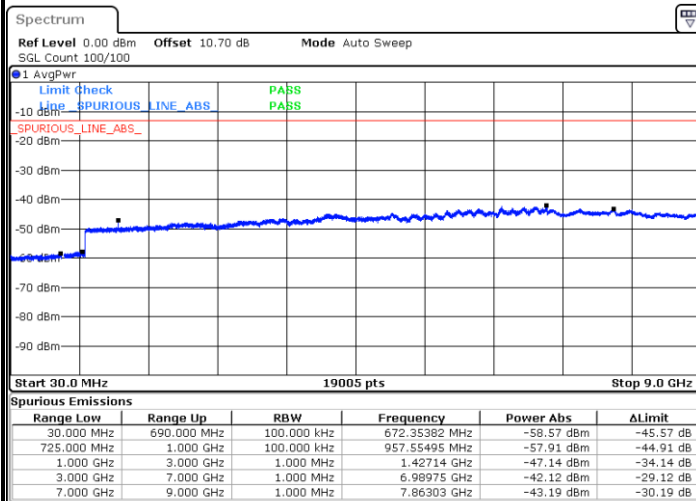
Date: 6.OCT.2017 22:07:04

Middle Channel / 64QAM



Date: 6.OCT.2017 22:08:17

Highest Channel / 64QAM

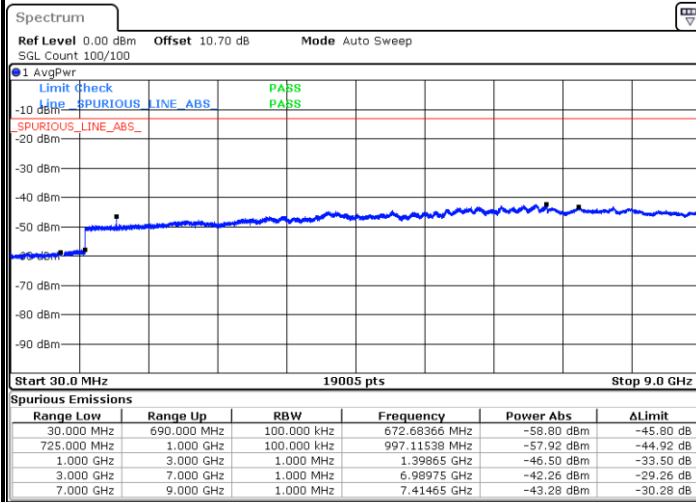


Date: 6.OCT.2017 22:11:49



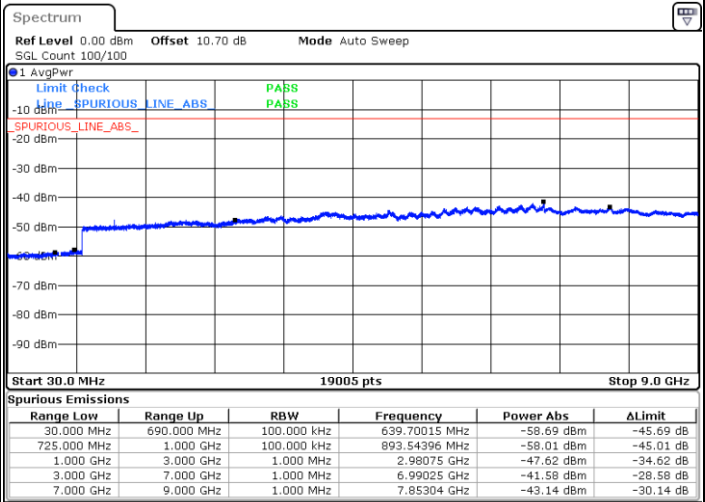
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



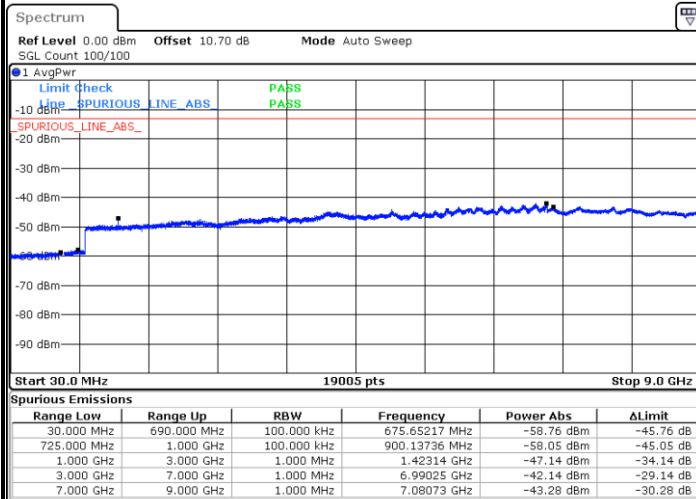
Date: 6.OCT.2017 22:15:20

Middle Channel / 64QAM



Date: 6.OCT.2017 22:16:34

Highest Channel / 64QAM

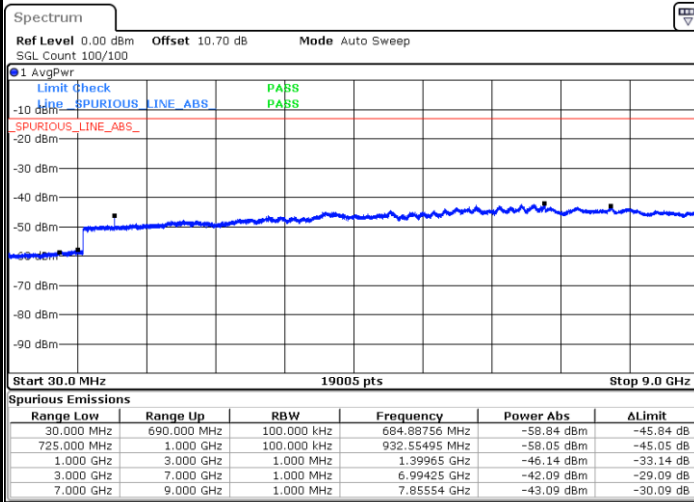


Date: 6.OCT.2017 22:20:05



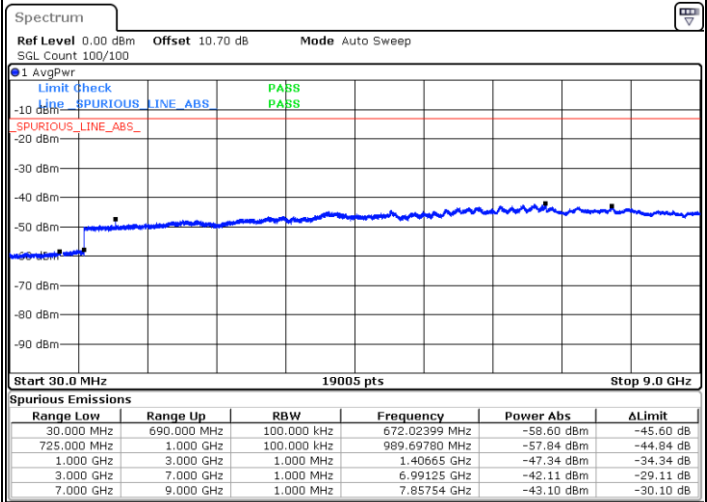
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



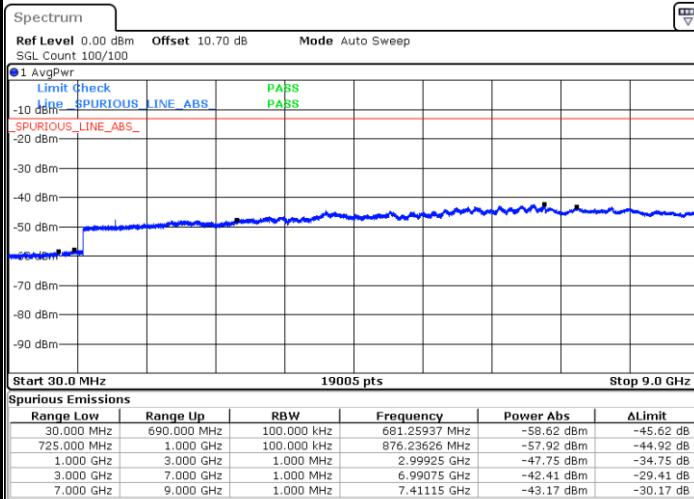
Date: 6.OCT.2017 22:23:36

Middle Channel / 64QAM



Date: 6.OCT.2017 22:24:50

Highest Channel / 64QAM



Date: 6.OCT.2017 22:28:21

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	0.0061	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0076	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0079	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0054	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

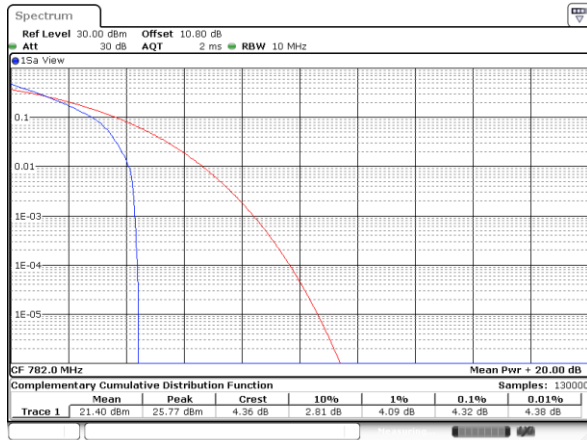
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.32	5.01	5.22	5.88	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH			-	-	PASS
Middle CH	5.51	6.58	-	-	
Highest CH			-	-	

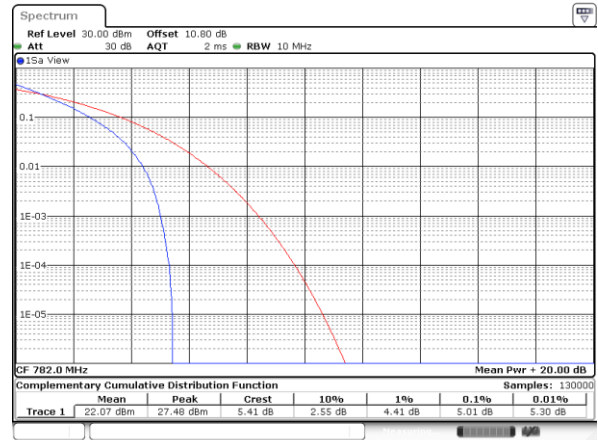


LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

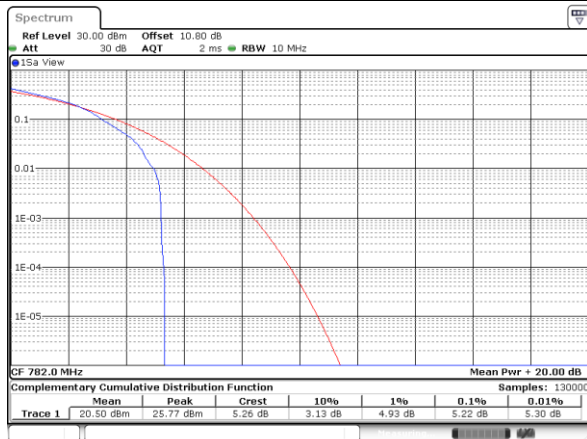


Middle Channel / Full RB

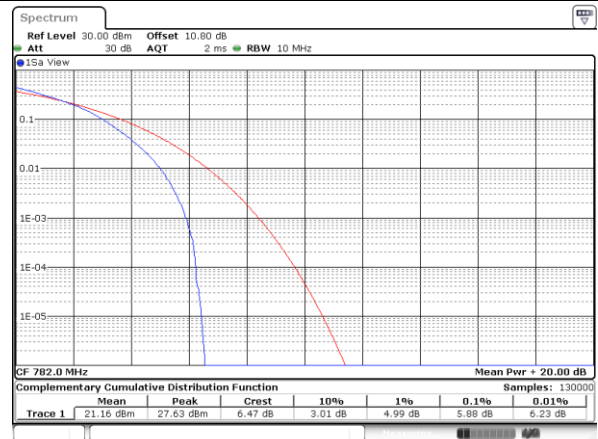


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB

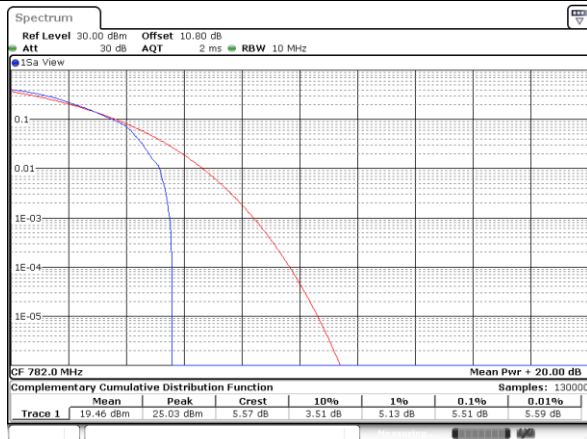


Middle Channel / Full RB



LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB



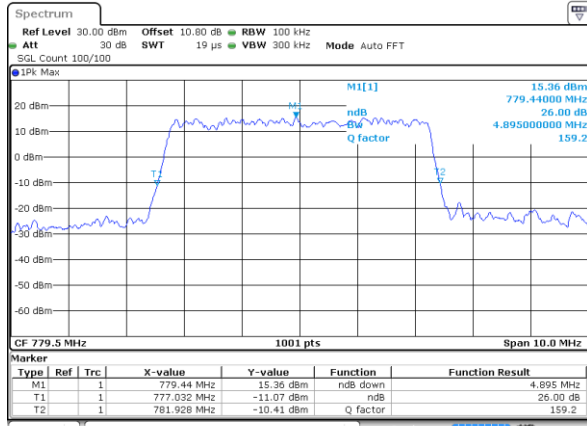
**26dB Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.90	4.84	-	-	-	-	-	-
Middle CH	-	-	-	-	4.91	4.95	9.81	9.83	-	-	-	-
Highest CH	-	-	-	-	4.90	4.92	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.92	-		-	-	-	-	-
Middle CH	-	-	-	-	4.94	-	9.71	-	-	-	-	-
Highest CH	-	-	-	-	4.96	-		-	-	-	-	-



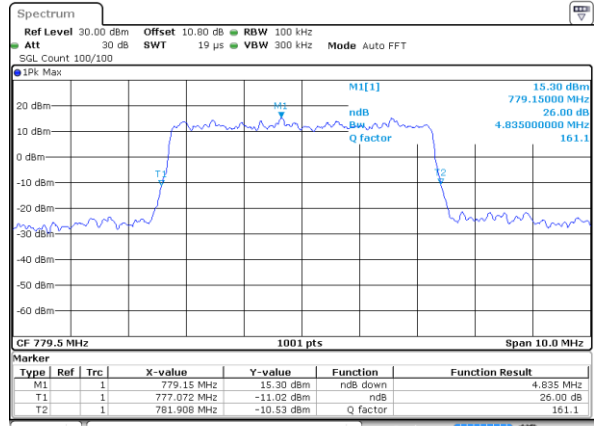
LTE Band 13

Lowest Channel / 5MHz / QPSK



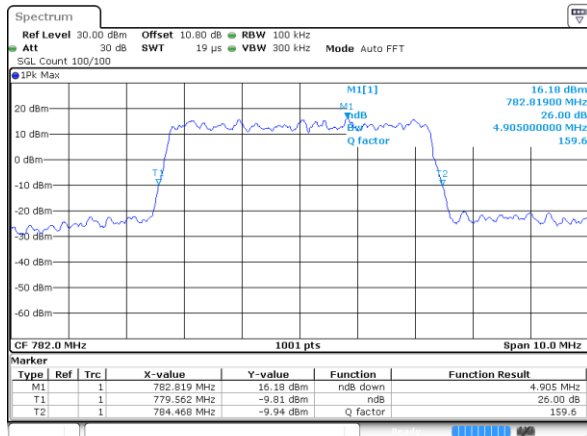
Date: 3 AUG 2017 19:47:59

Lowest Channel / 5MHz / 16QAM



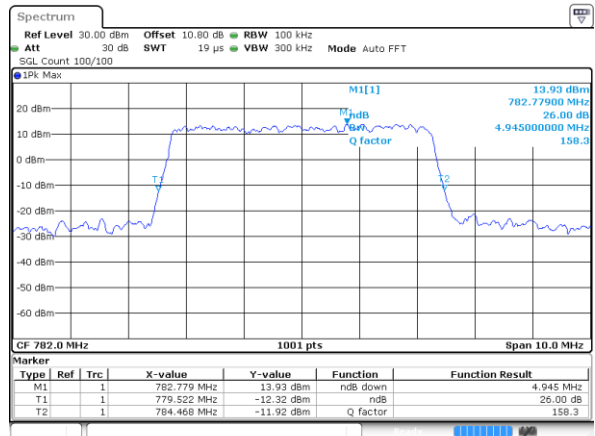
Date: 3 AUG 2017 19:47:49

Middle Channel / 5MHz / QPSK



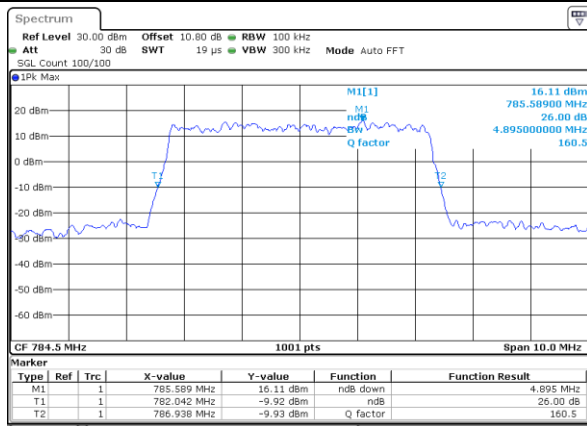
Date: 3 AUG 2017 19:58:18

Middle Channel / 5MHz / 16QAM



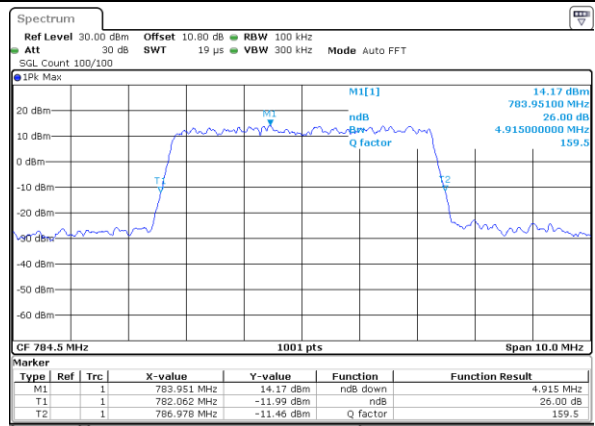
Date: 3 AUG 2017 19:58:28

Highest Channel / 5MHz / QPSK



Date: 3 AUG 2017 19:59:28

Highest Channel / 5MHz / 16QAM

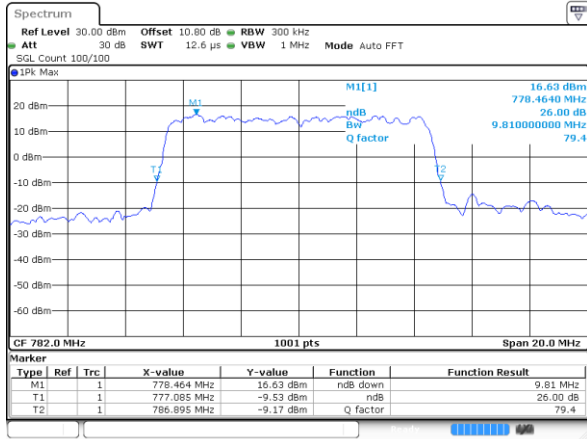


Date: 3 AUG 2017 19:59:18



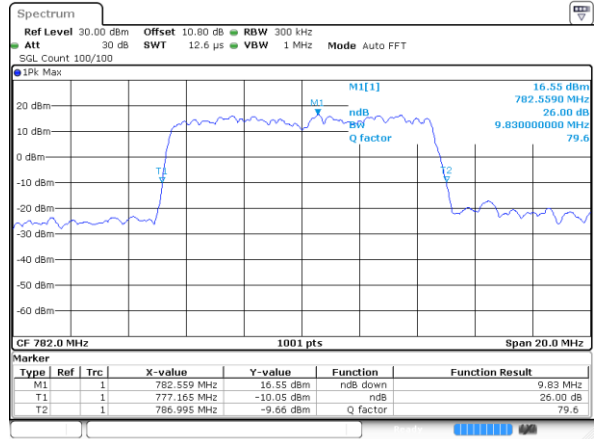
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 3 AUG 2017 20:08:31

Middle Channel / 10MHz / 16QAM

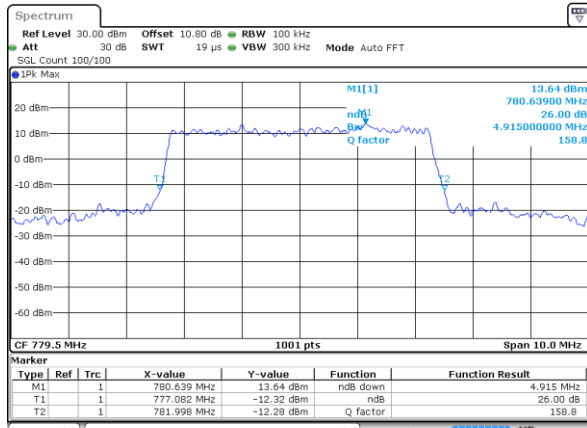


Date: 3 AUG 2017 20:08:21

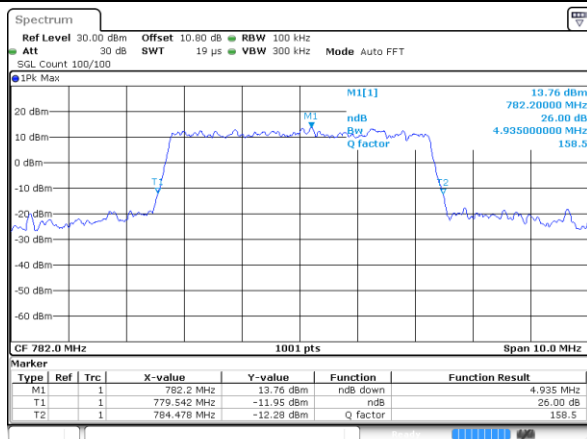


LTE Band 13

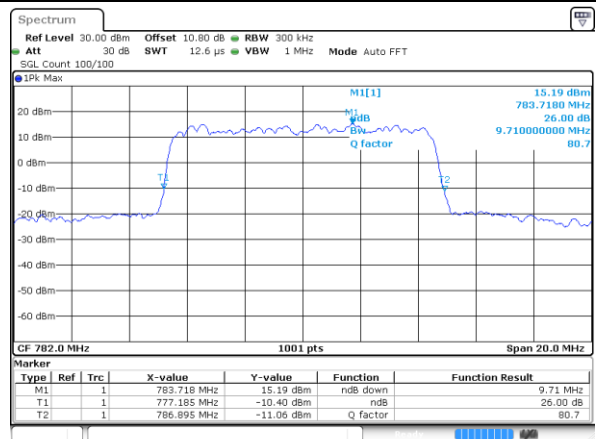
Lowest Channel / 5MHz / 64QAM



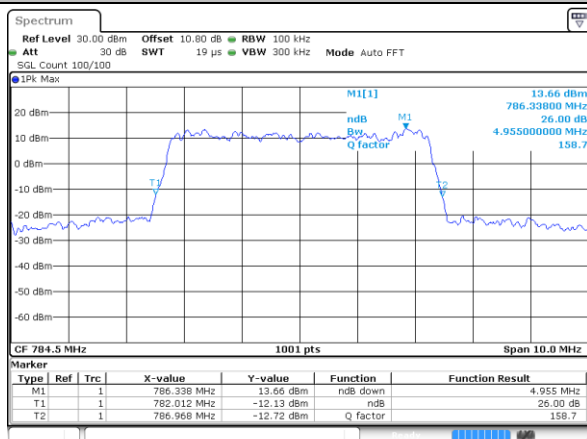
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



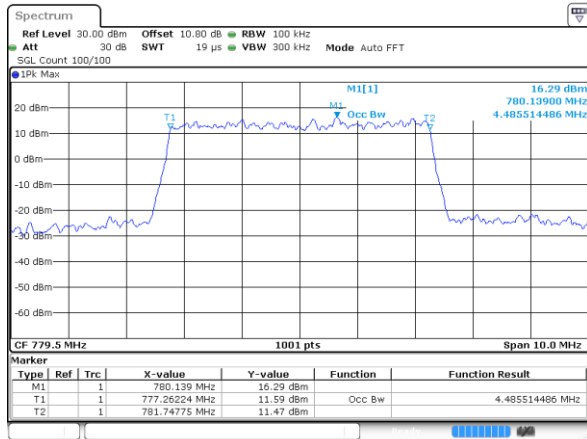
**Occupied Bandwidth**

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.52	-	-	-	-	-	-
Middle CH	-	-	-	-	4.52	4.5	9.03	9.01	-	-	-	-
Highest CH	-	-	-	-	4.52	4.51	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-		-	-	-	-	-
Middle CH	-	-	-	-	4.51	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-		-	-	-	-	-

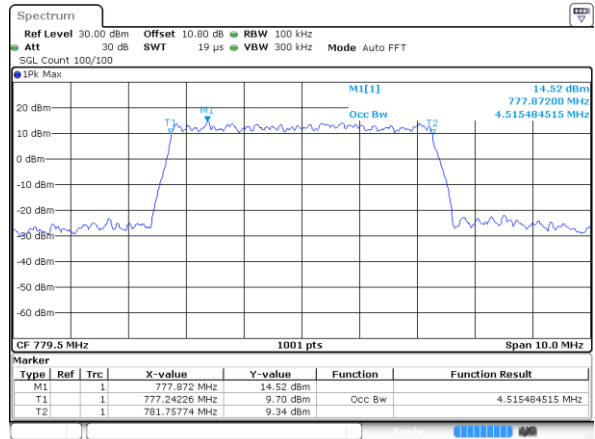


LTE Band 13

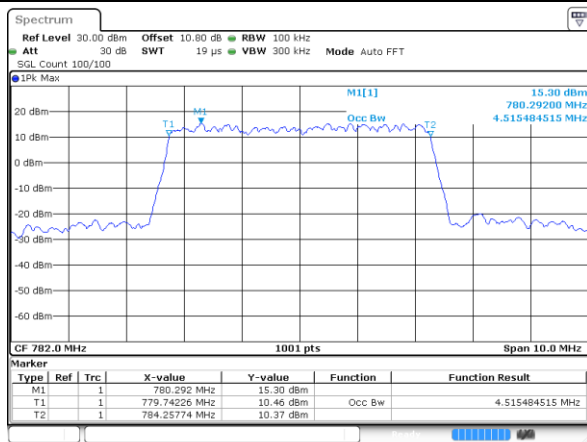
Lowest Channel / 5MHz / QPSK



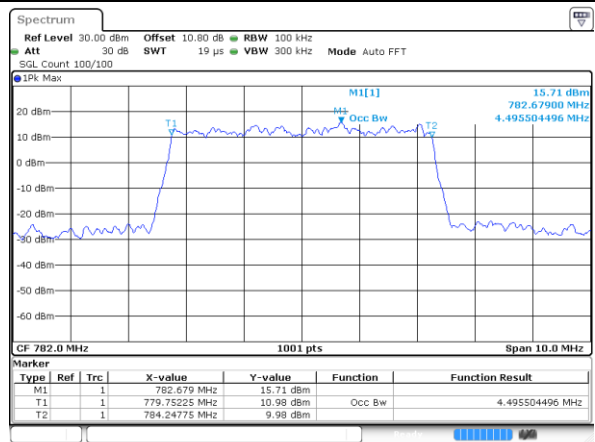
Lowest Channel / 5MHz / 16QAM



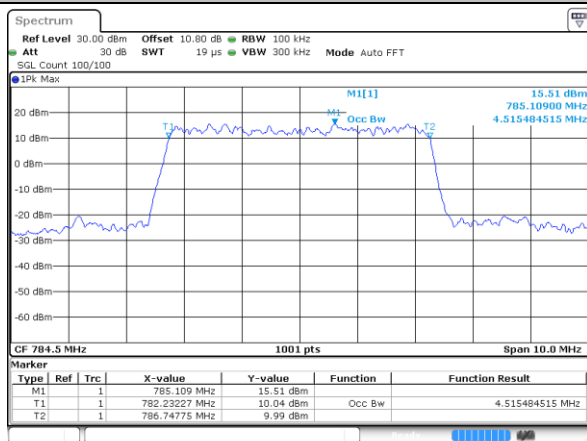
Middle Channel / 5MHz / QPSK



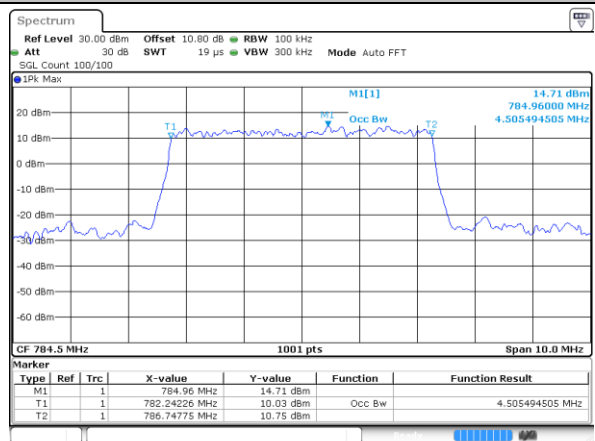
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



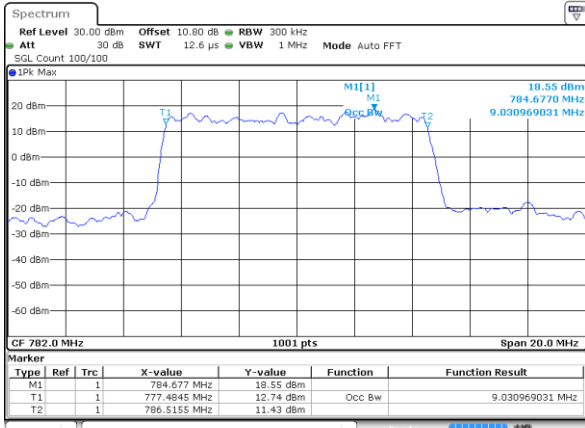
Highest Channel / 5MHz / 16QAM





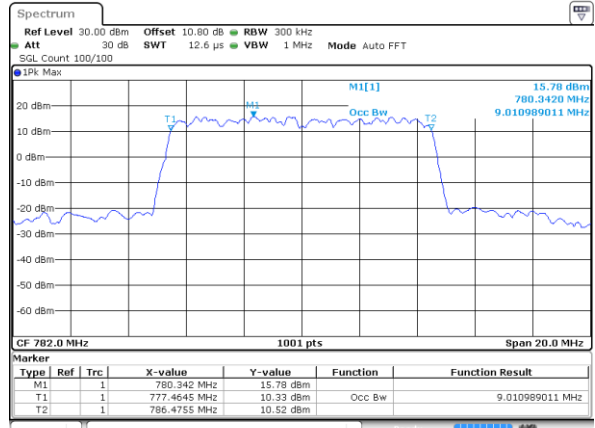
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 3.AUG.2017 20:08:01

Middle Channel / 10MHz / 16QAM

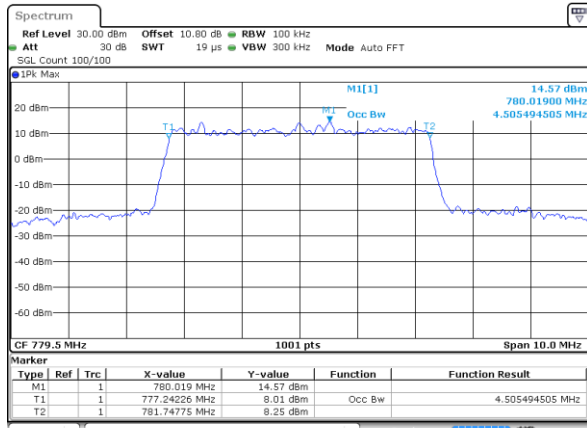


Date: 3.AUG.2017 20:08:11

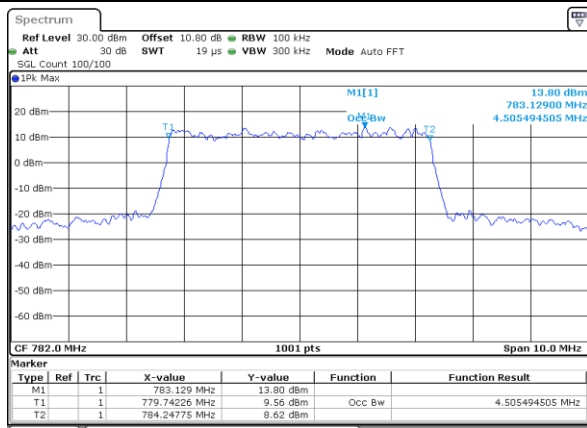


LTE Band 13

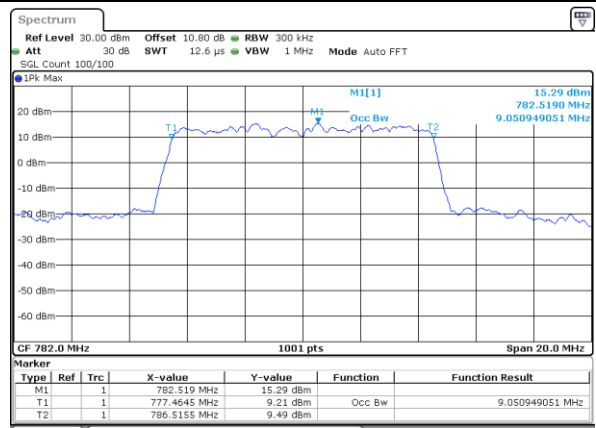
Lowest Channel / 5MHz / 64QAM



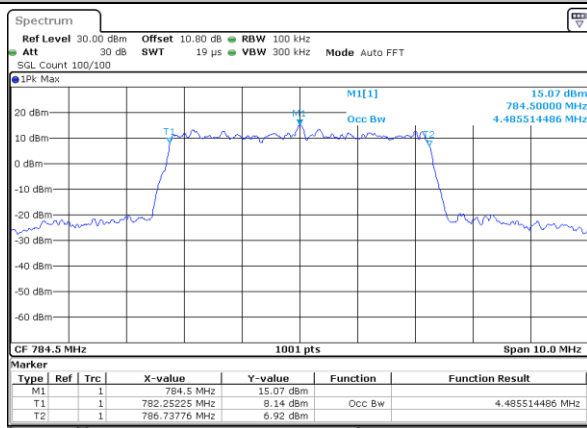
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



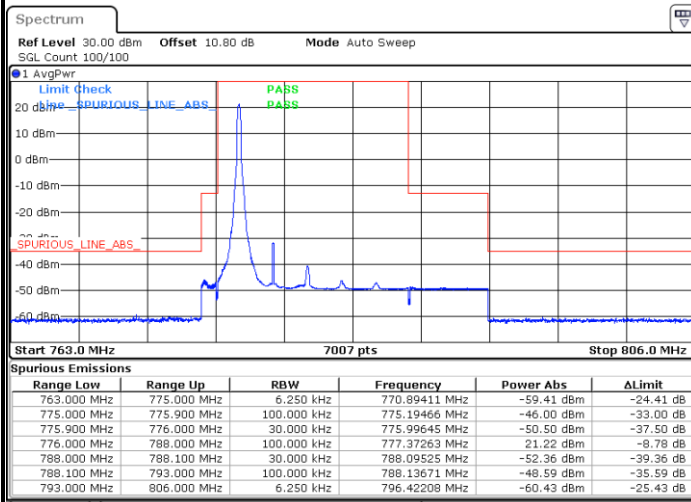


Conducted Band Edge



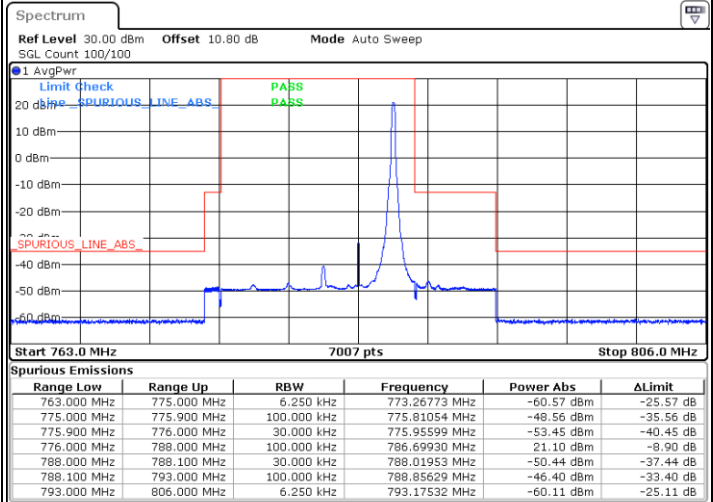
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



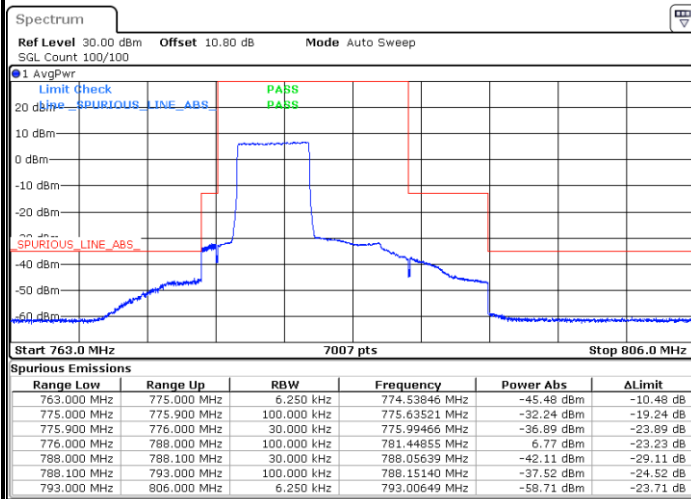
Date: 3.AUG.2017 19:54:34

Highest Band Edge / 1 RB



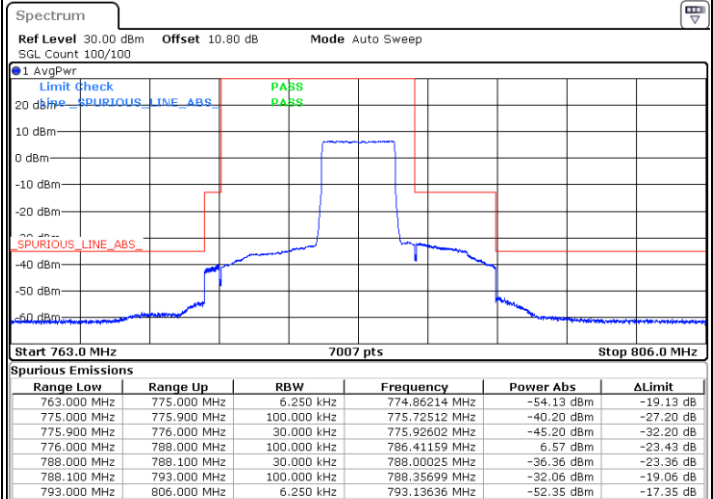
Date: 3.AUG.2017 20:06:03

Lowest Band Edge / Full RB



Date: 3.AUG.2017 19:49:37

Highest Band Edge / Full RB

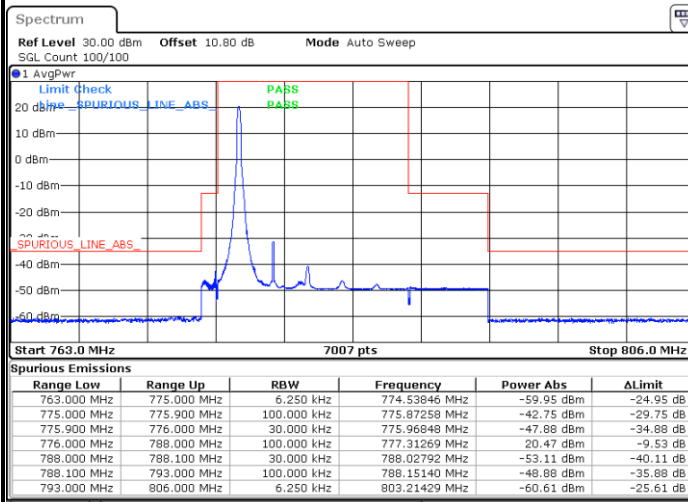


Date: 3.AUG.2017 20:01:07



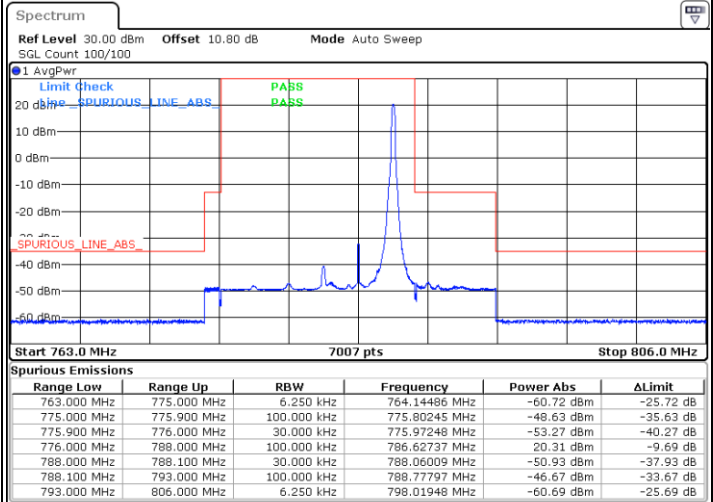
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



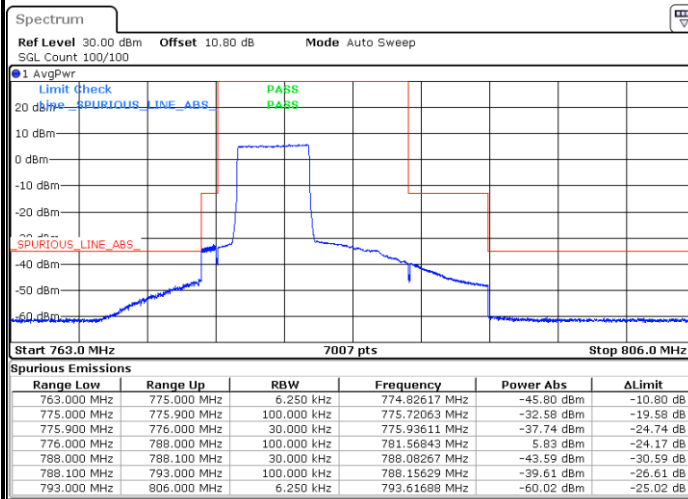
Date: 3.AUG.2017 19:52:55

Highest Band Edge / 1 RB



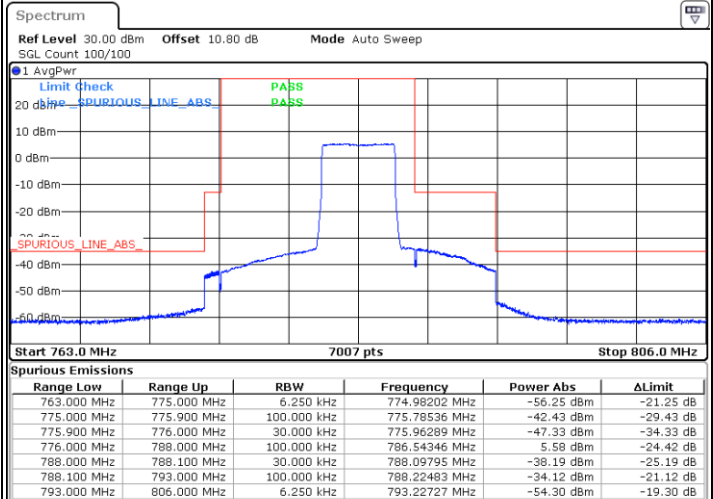
Date: 3.AUG.2017 20:04:24

Lowest Band Edge / Full RB



Date: 3.AUG.2017 19:51:16

Highest Band Edge / Full RB

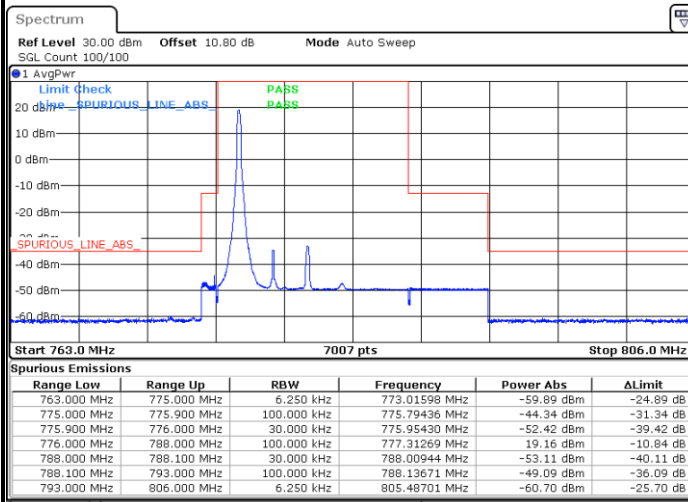


Date: 3.AUG.2017 20:02:46

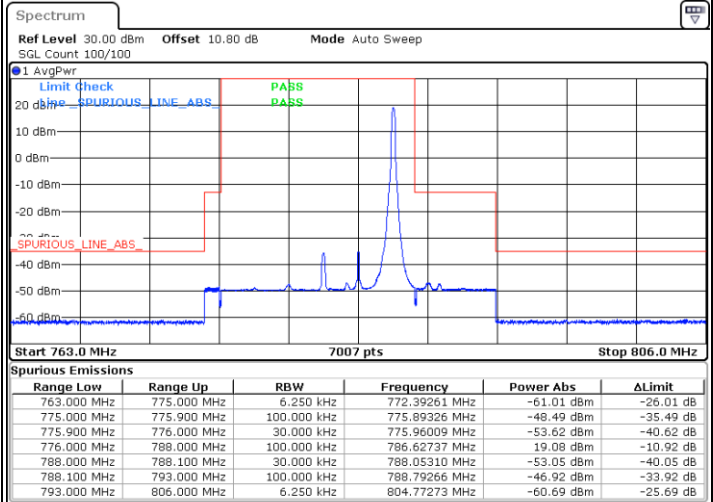


LTE Band 13 / 5MHz / 64QAM

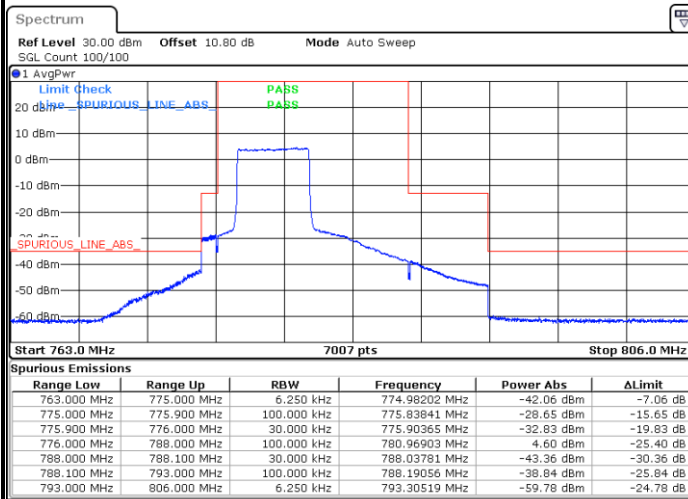
Lowest Band Edge / 1 RB



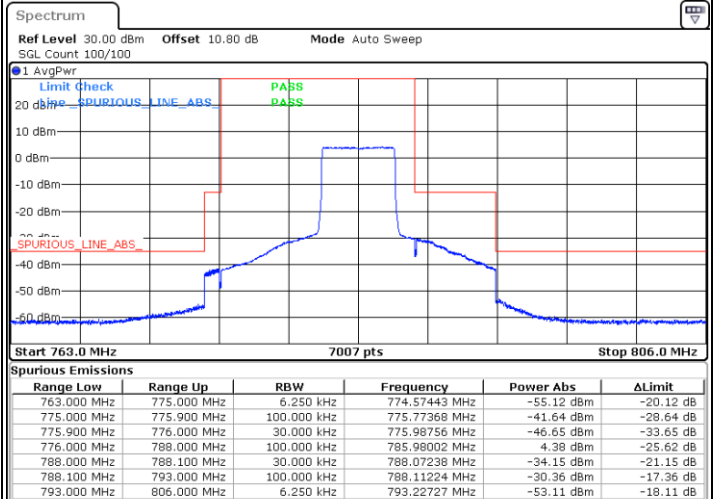
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



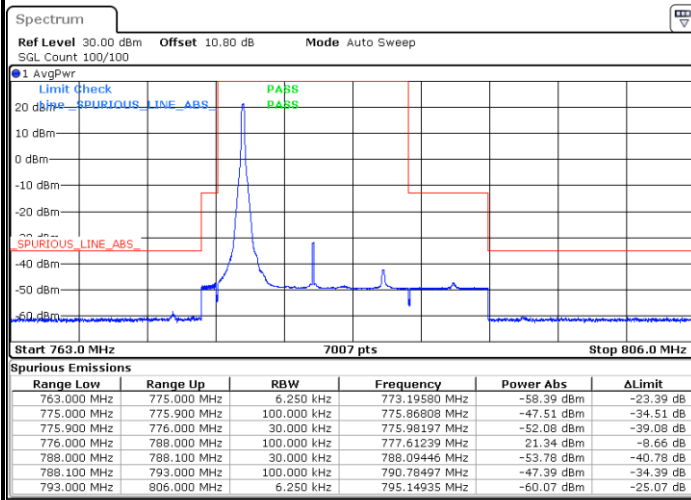
Highest Band Edge / Full RB





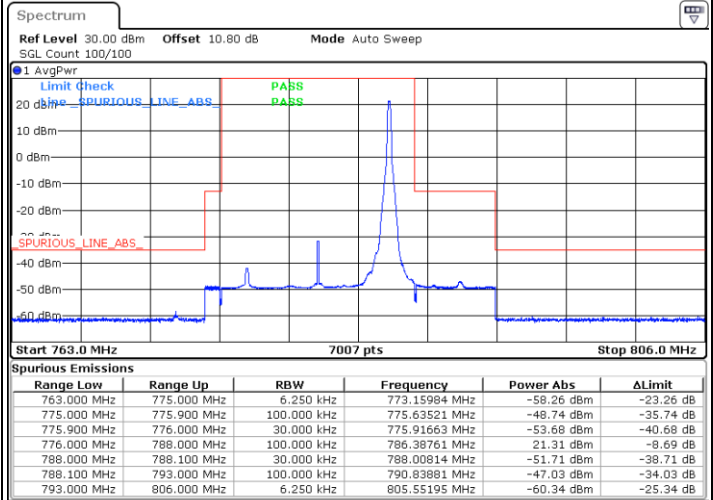
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



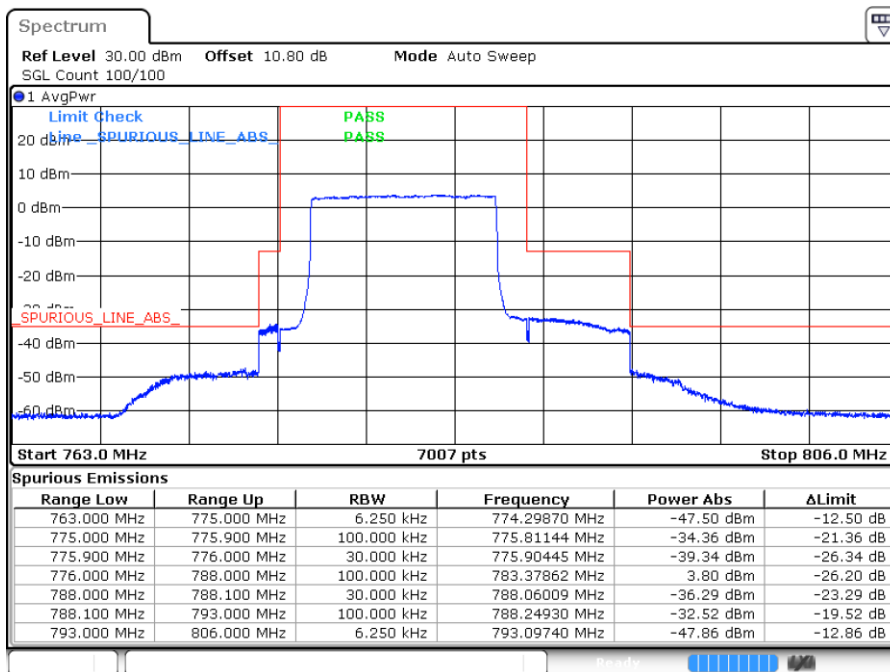
Date: 3.AUG.2017 20:15:05

Highest Band Edge / 1 RB



Date: 3.AUG.2017 20:16:44

Band Edge / Full RB

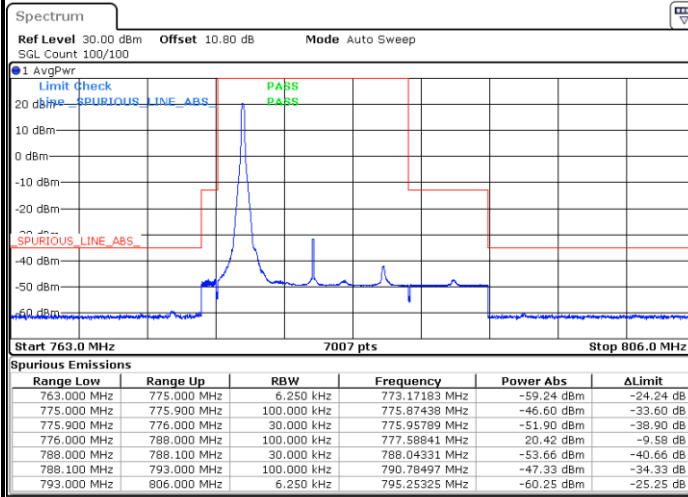


Date: 3.AUG.2017 20:10:09



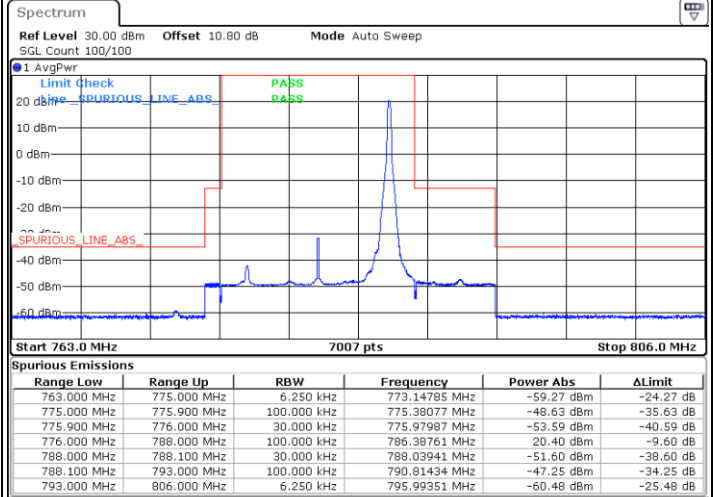
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



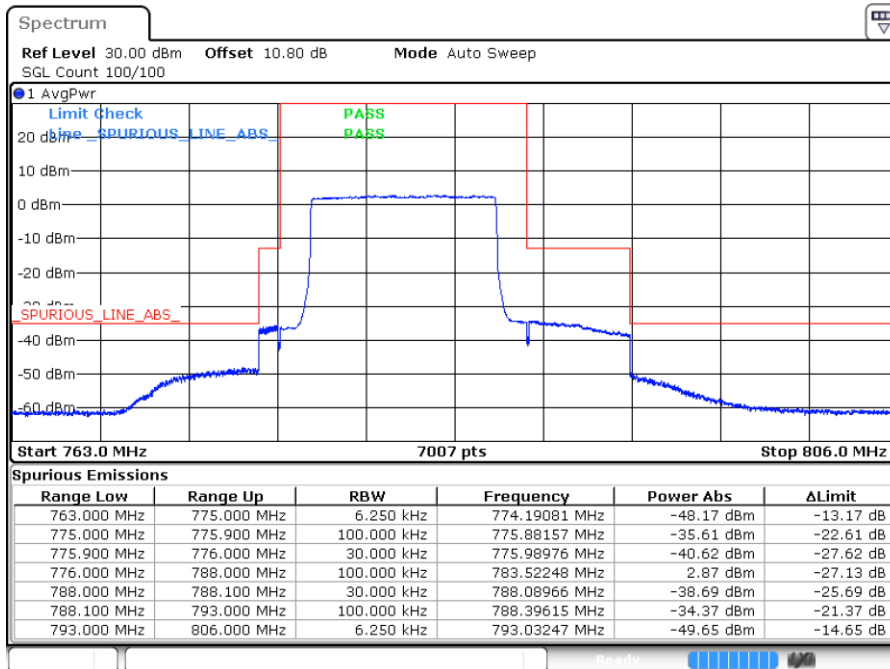
Date: 3.AUG.2017 20:13:27

Highest Band Edge / 1 RB



Date: 3.AUG.2017 20:18:23

Band Edge / Full RB

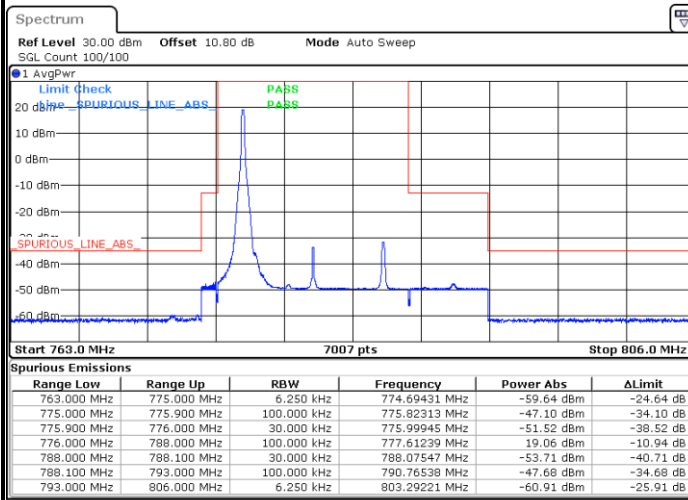


Date: 3.AUG.2017 20:11:48



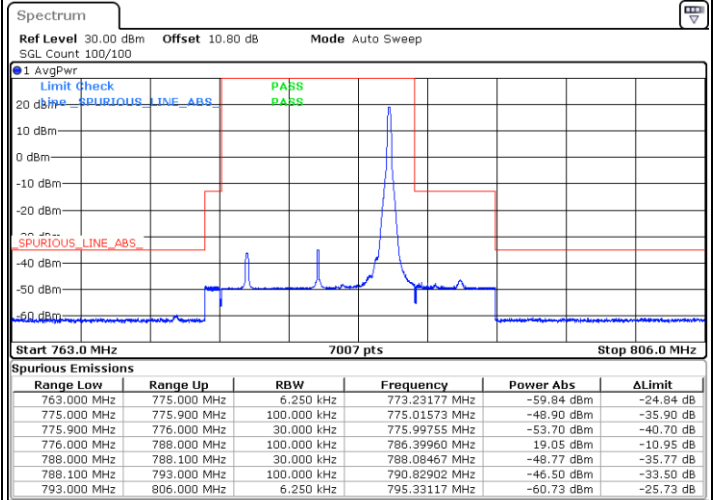
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



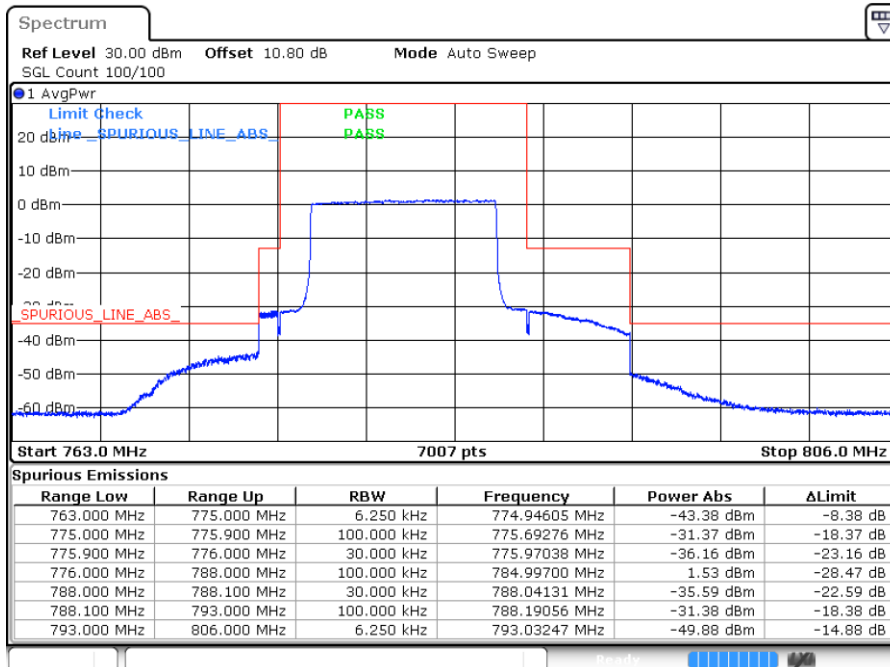
Date: 11.OCT.2017 10:53:28

Highest Band Edge / 1 RB



Date: 11.OCT.2017 10:55:07

Band Edge / Full RB

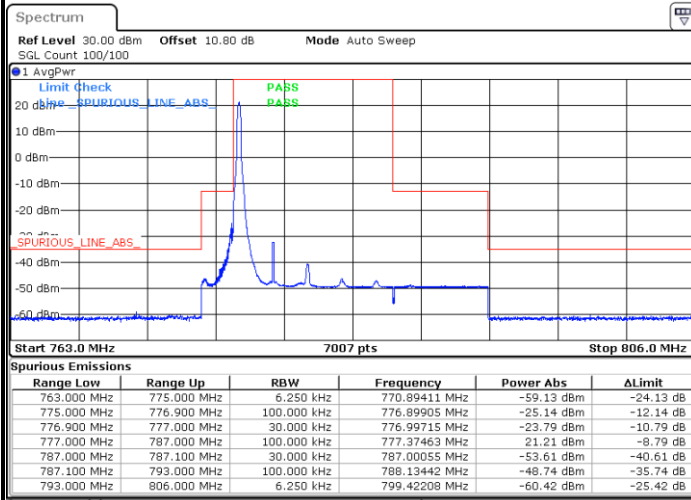


Date: 11.OCT.2017 10:51:49

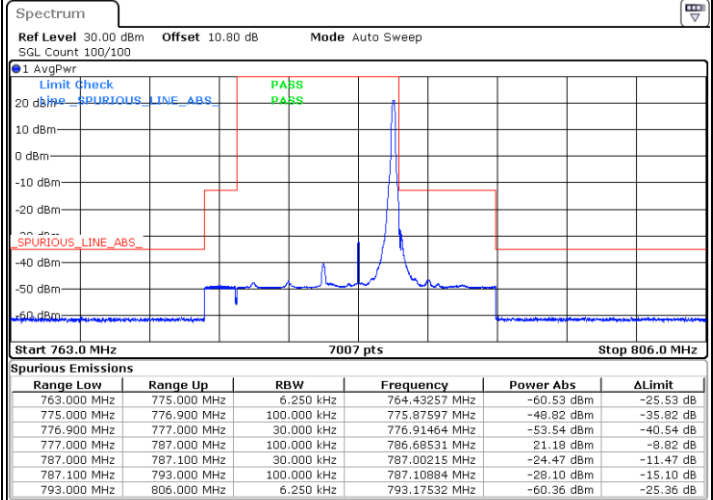


IC LTE Band 13 / 5MHz / QPSK

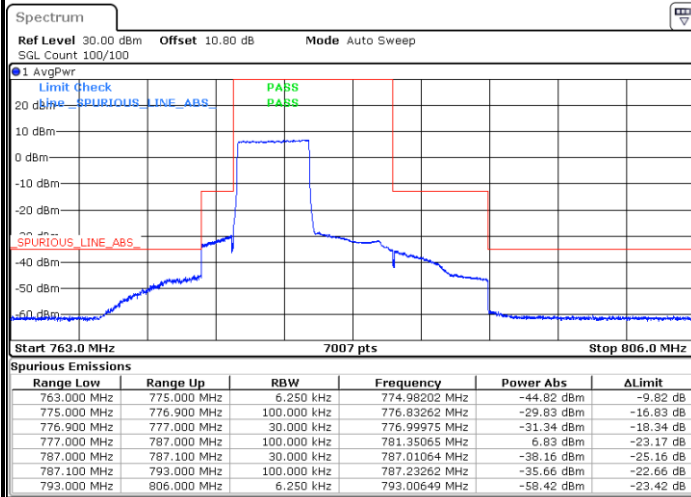
Lowest Band Edge / 1 RB



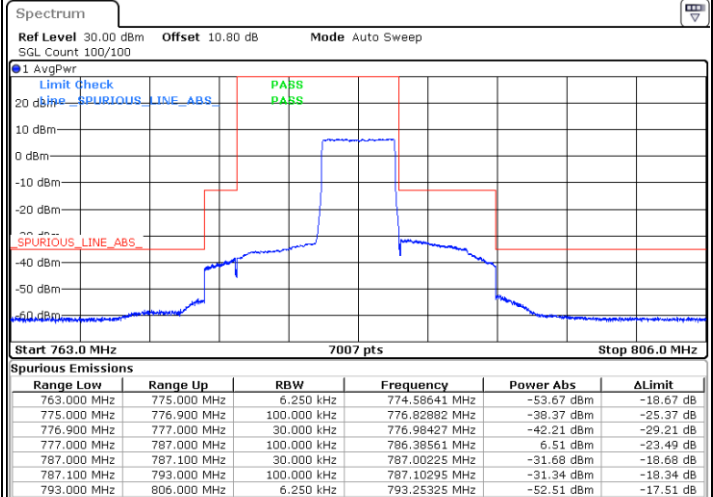
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



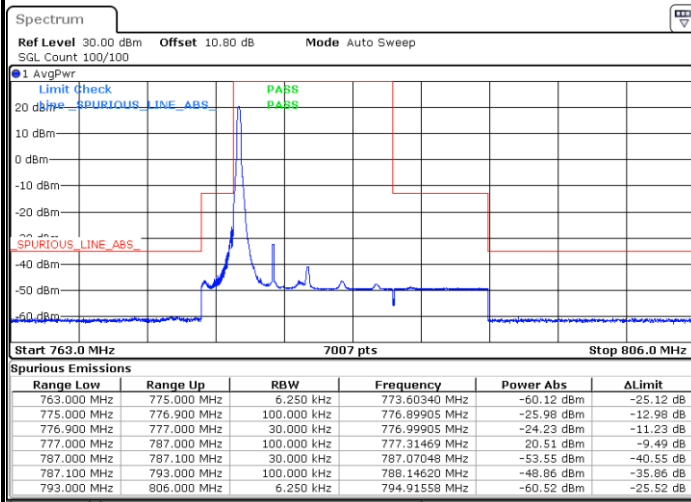
Highest Band Edge / Full RB



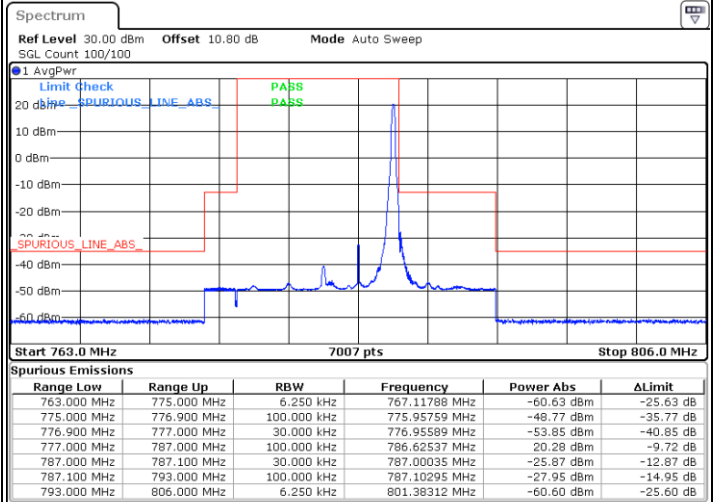


IC LTE Band 13 / 5MHz / 16QAM

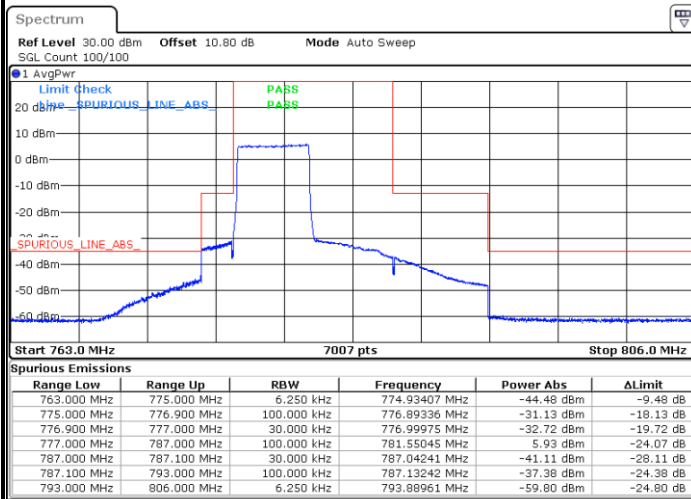
Lowest Band Edge / 1 RB



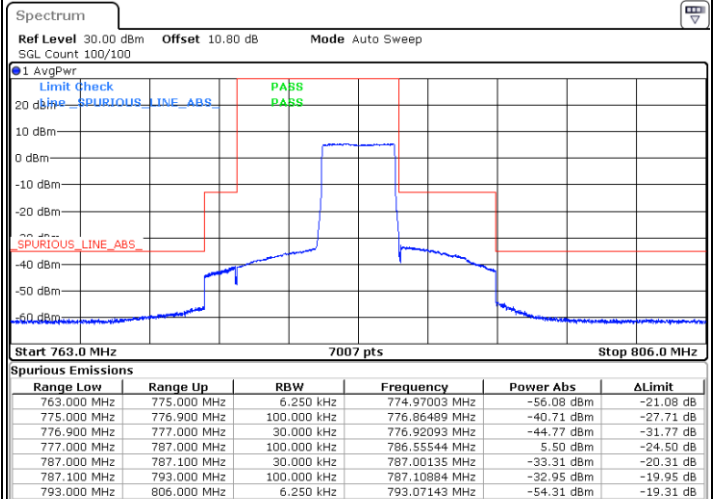
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



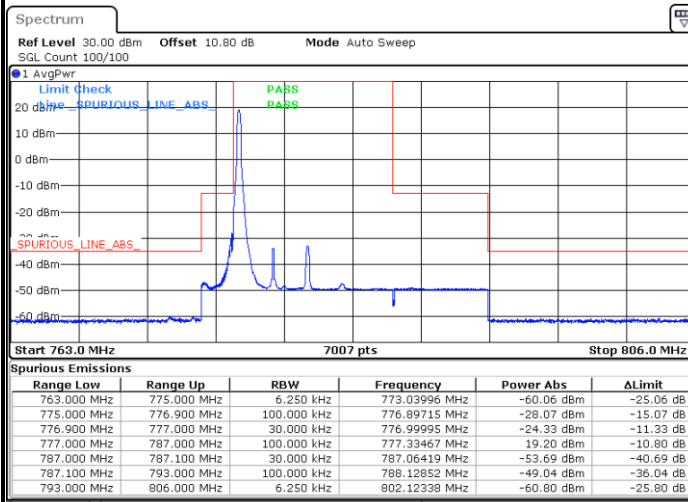
Highest Band Edge / Full RB



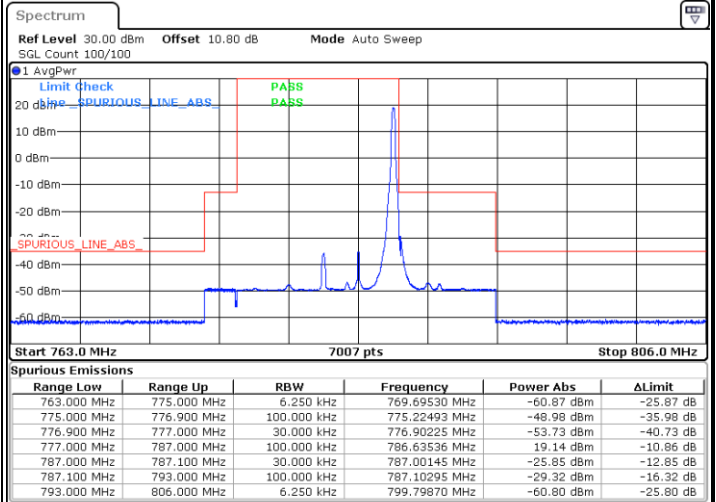


IC LTE Band 13 / 5MHz / 64QAM

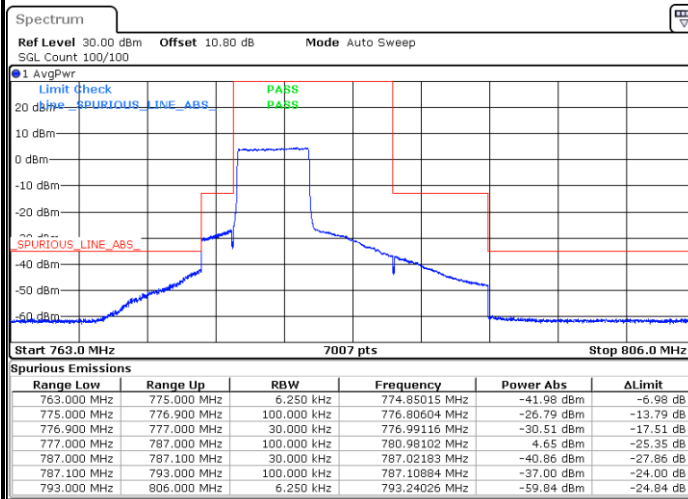
Lowest Band Edge / 1 RB



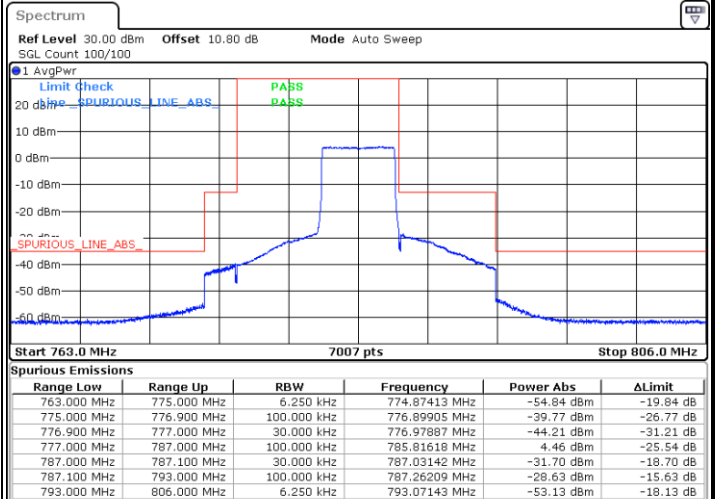
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



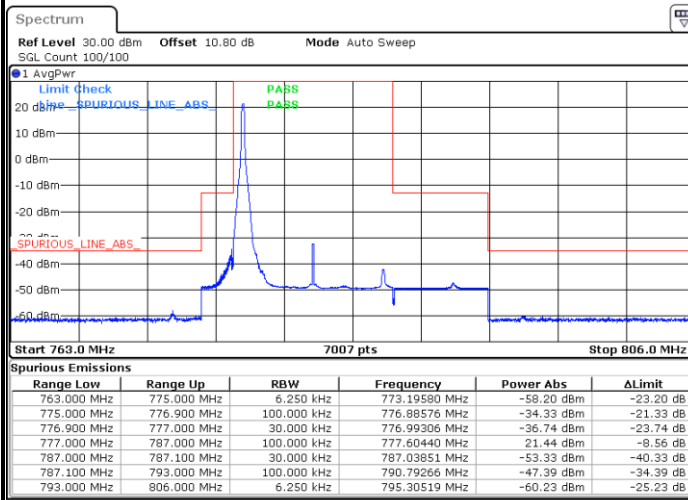
Highest Band Edge / Full RB





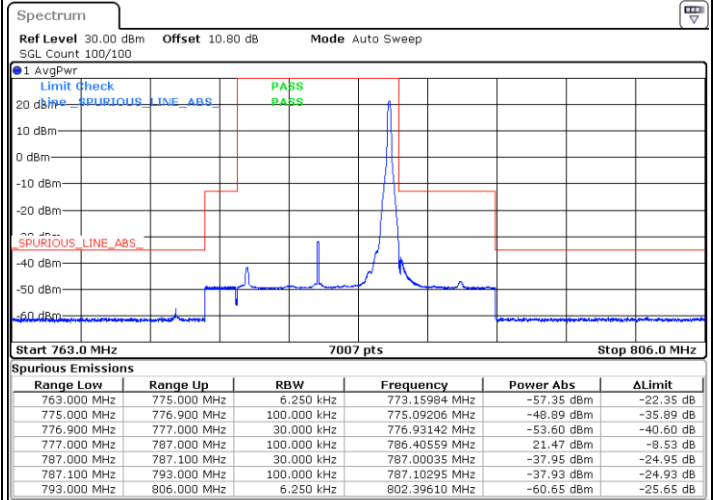
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



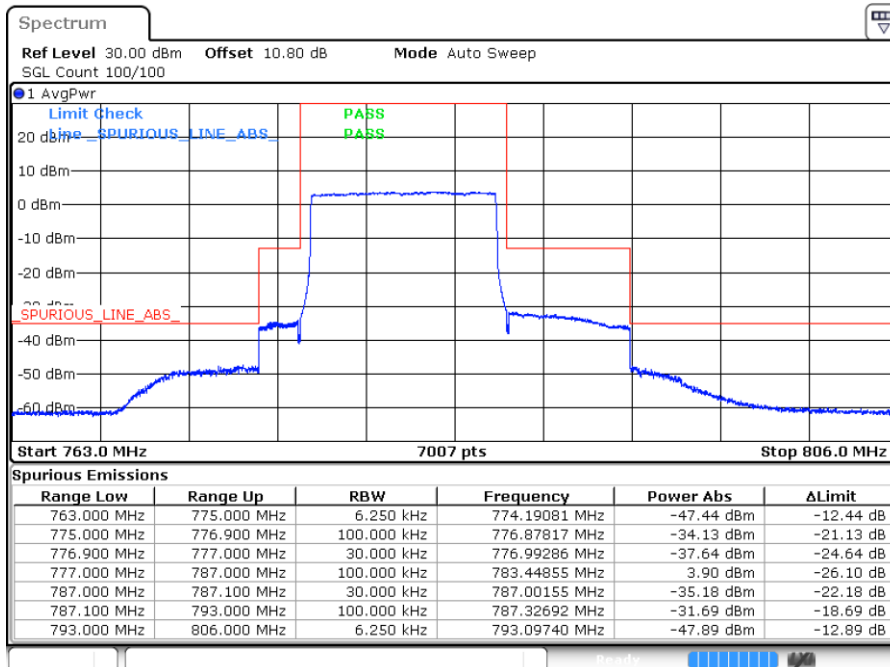
Date: 3.AUG.2017 20:47:24

Highest Band Edge / 1 RB



Date: 3.AUG.2017 20:49:02

Band Edge / Full RB

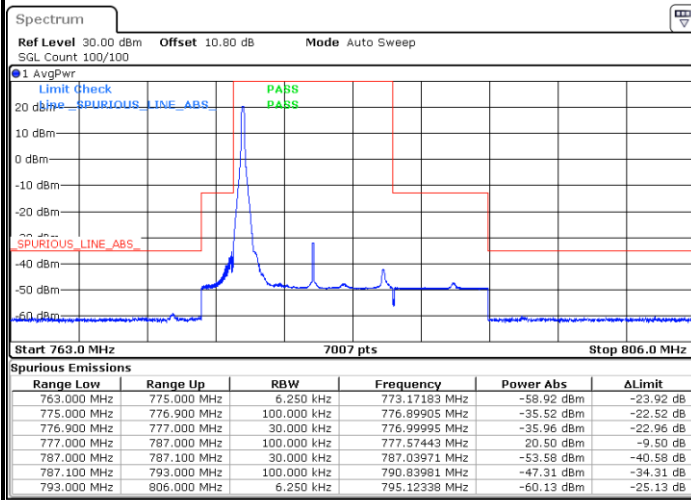


Date: 3.AUG.2017 20:40:25



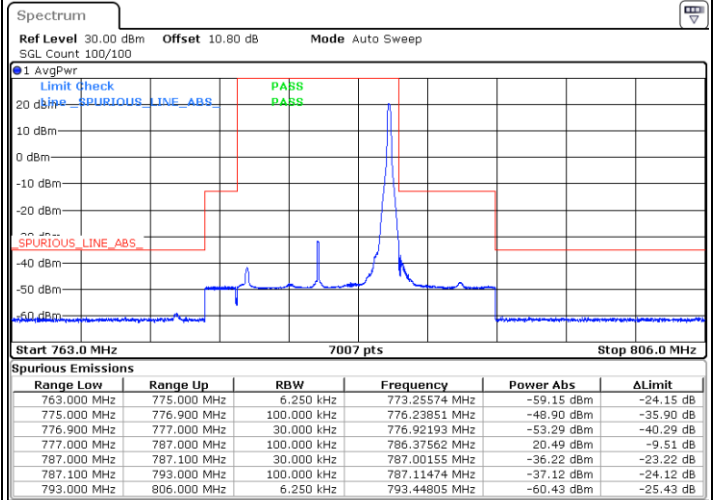
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



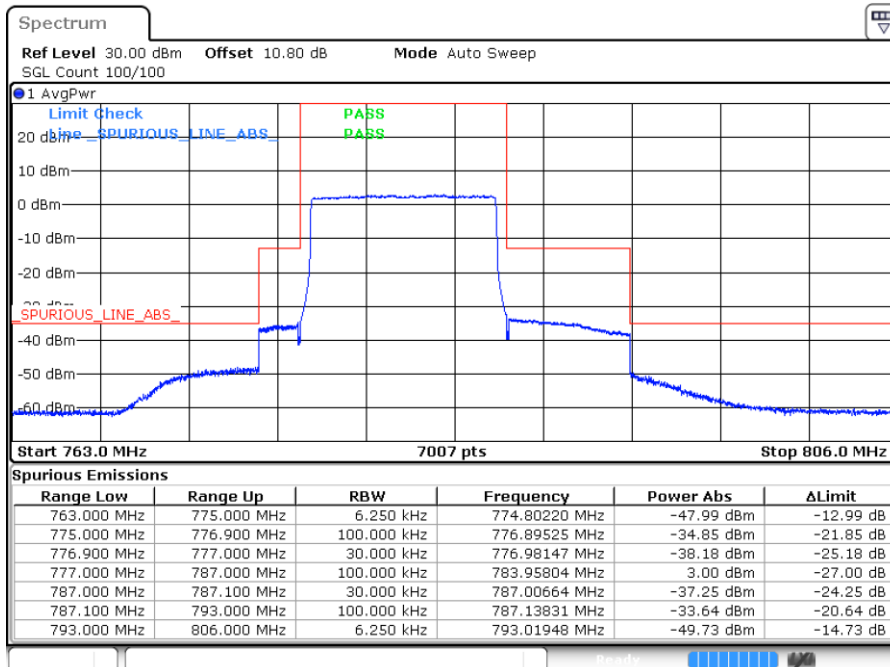
Date: 3.AUG.2017 20:45:45

Highest Band Edge / 1 RB



Date: 3.AUG.2017 20:50:41

Band Edge / Full RB

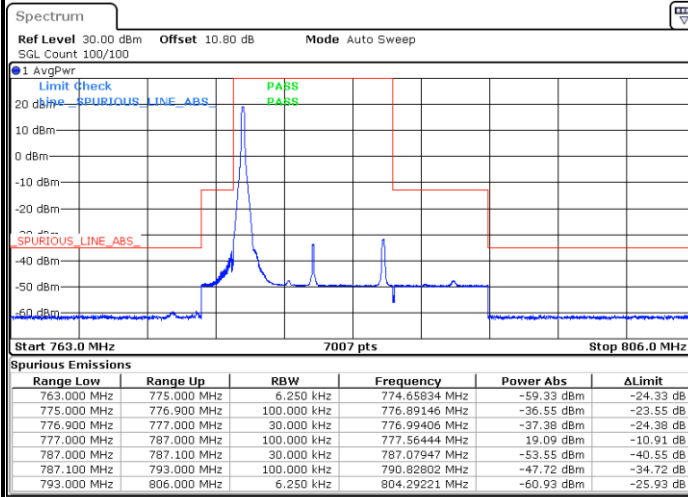


Date: 3.AUG.2017 20:42:02



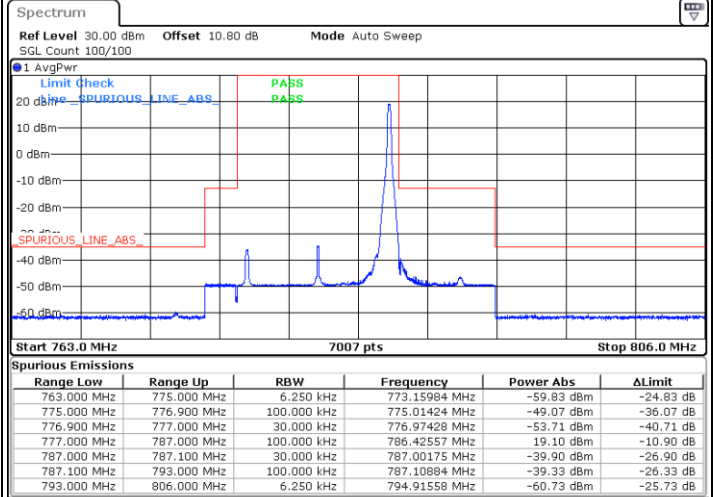
IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



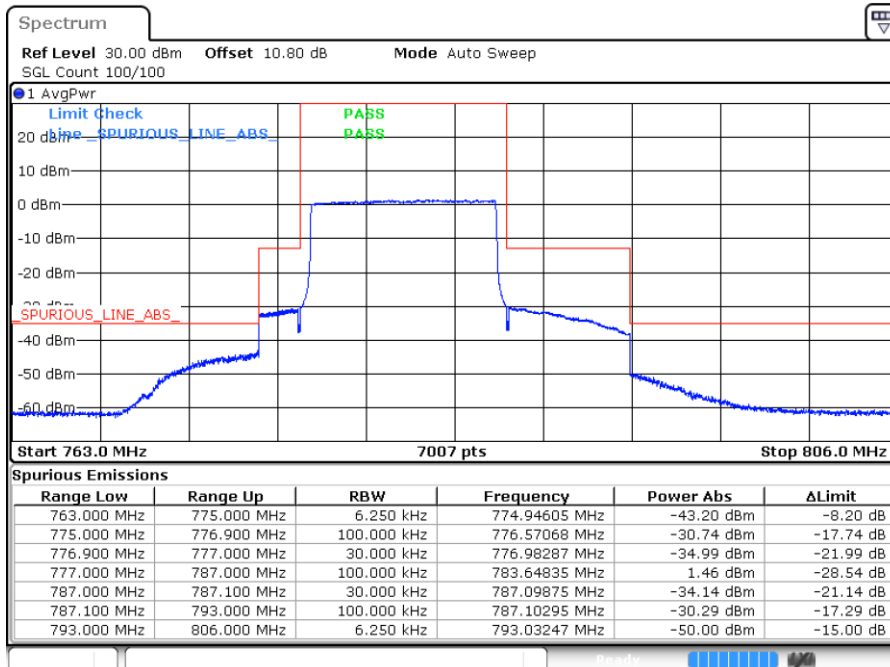
Date: 11.OCT.2017 11:05:38

Highest Band Edge / 1 RB



Date: 11.OCT.2017 11:07:17

Band Edge / Full RB



Date: 11.OCT.2017 11:04:00

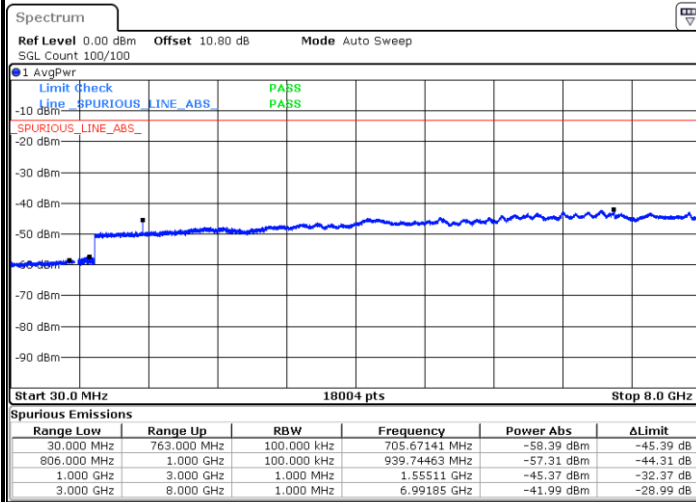


Conducted Spurious Emission



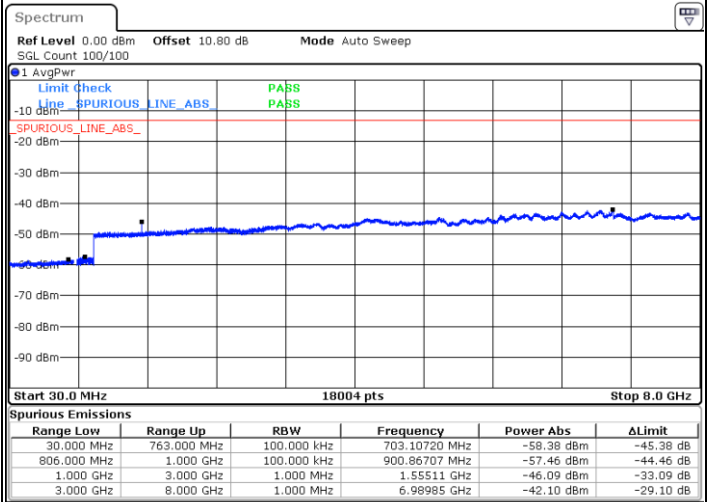
LTE Band 13 / 5MHz

Lowest Channel / QPSK



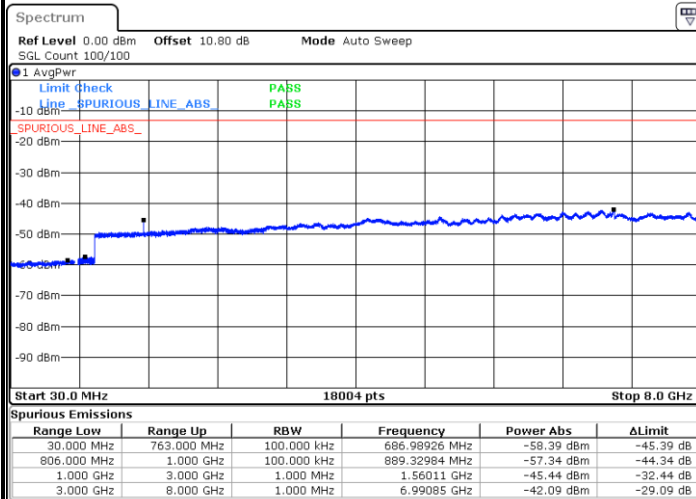
Date: 3.AUG.2017 19:55:28

Lowest Channel / 16QAM



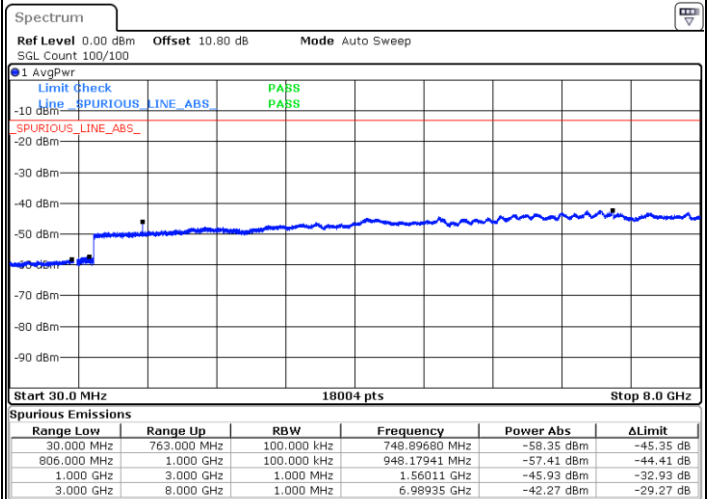
Date: 3.AUG.2017 19:56:21

Middle Channel / QPSK



Date: 3.AUG.2017 19:58:09

Middle Channel / 16QAM



Date: 3.AUG.2017 19:57:15