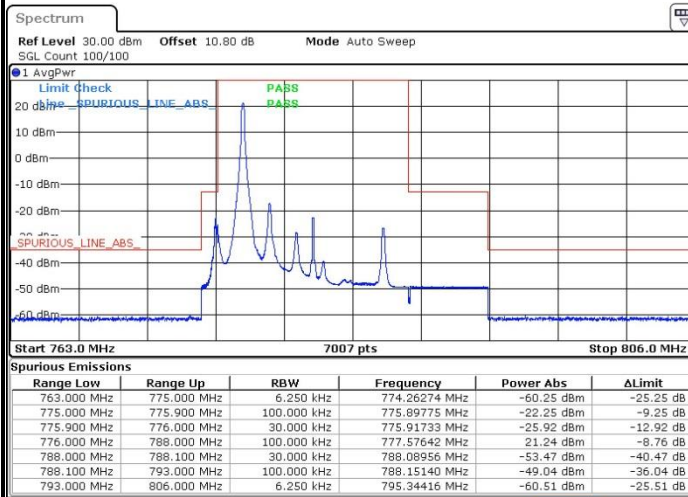




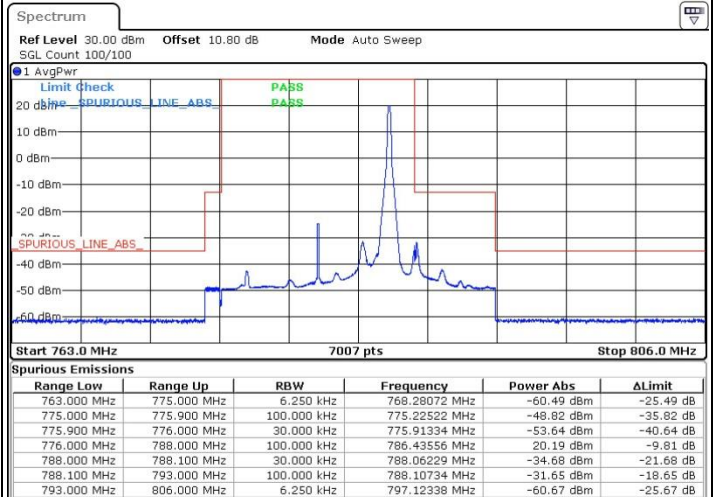
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



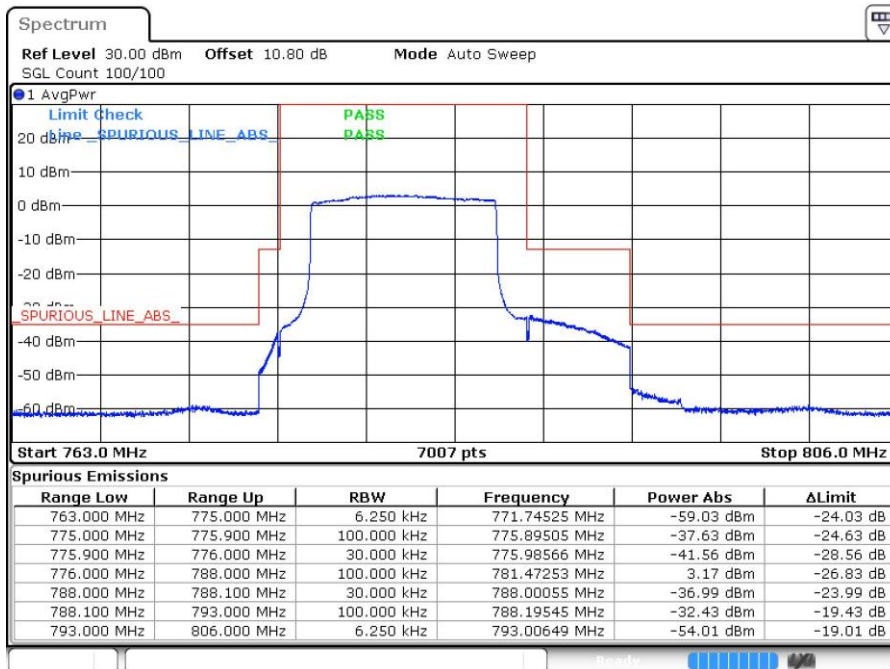
Date: 20 JUN 2017 10:48:58

Highest Band Edge / 1 RB



Date: 20 JUN 2017 10:50:37

Band Edge / Full RB

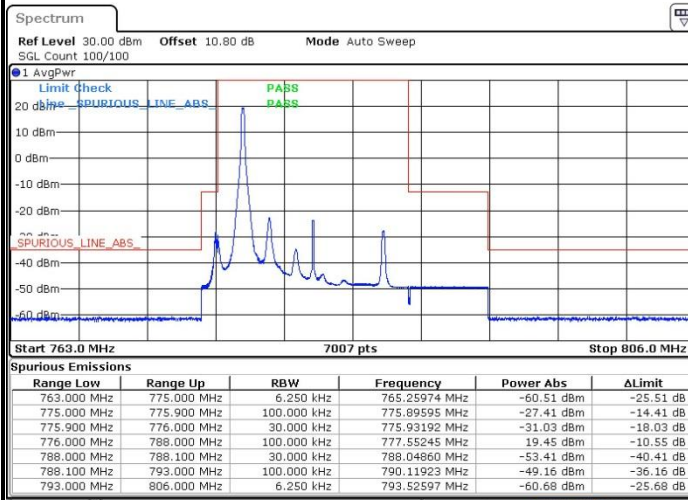


Date: 20 JUN 2017 10:44:00



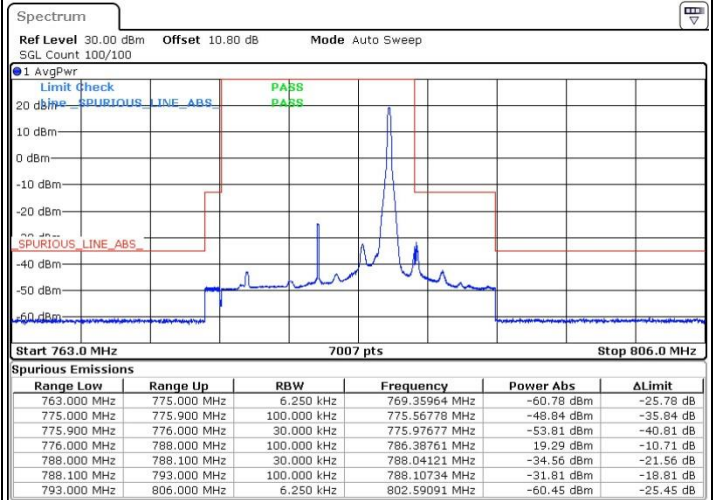
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



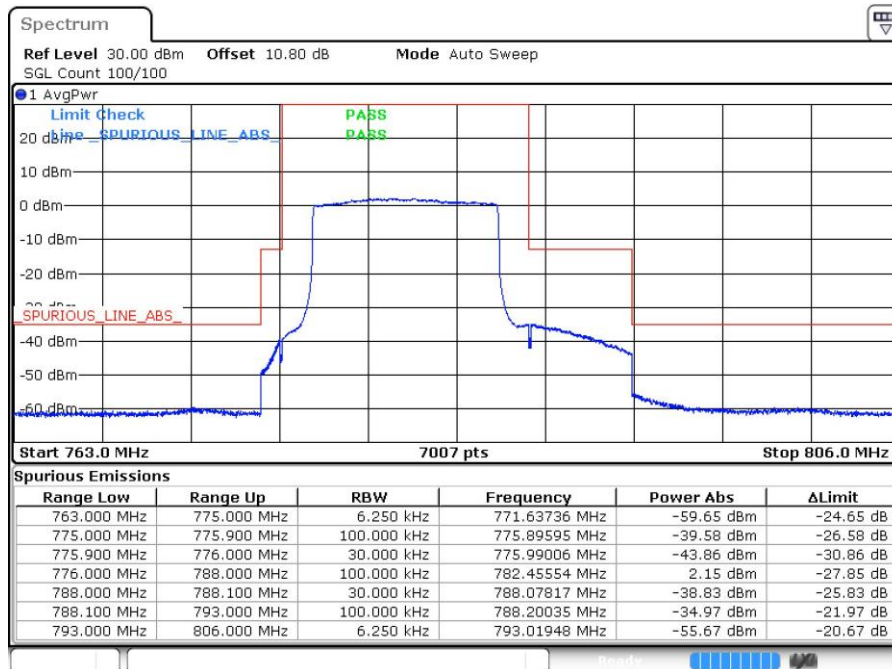
Date: 20 JUN 2017 10:47:19

Highest Band Edge / 1 RB



Date: 20 JUN 2017 10:52:17

Band Edge / Full RB

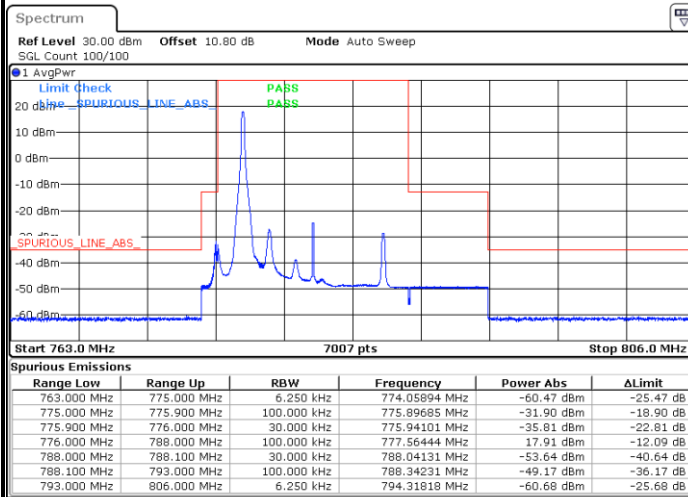


Date: 20 JUN 2017 10:45:39



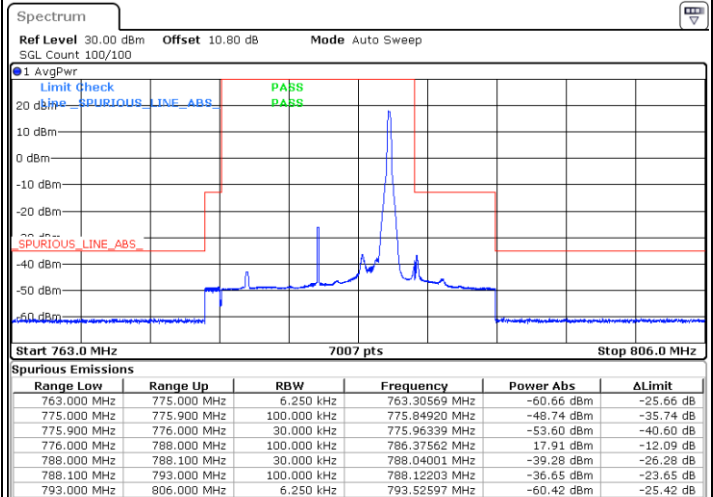
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



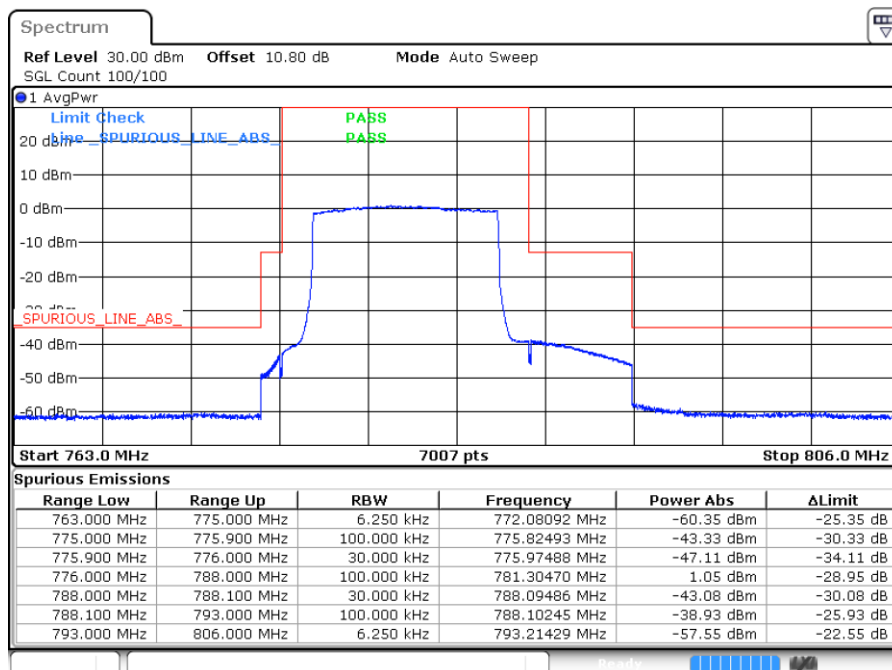
Date: 22 JUN 2017 00:09:45

Highest Band Edge / 1 RB



Date: 22 JUN 2017 00:11:23

Band Edge / Full RB

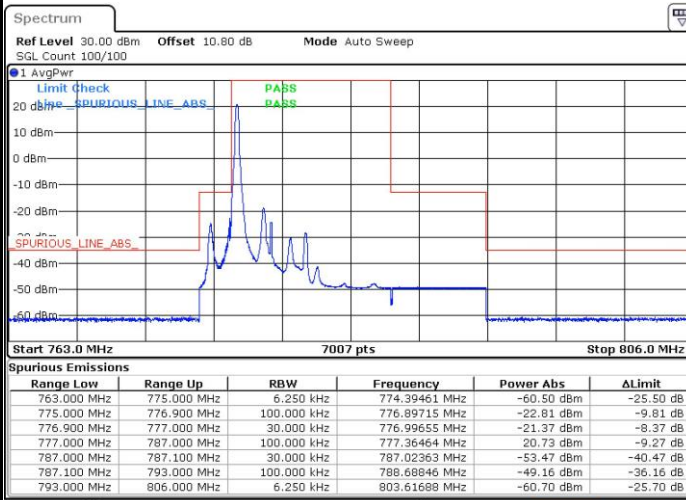


Date: 22 JUN 2017 00:08:06

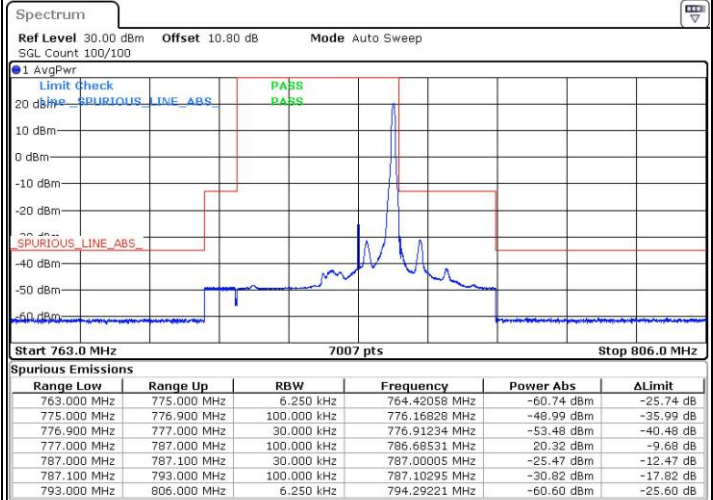


IC LTE Band 13 / 5MHz / QPSK

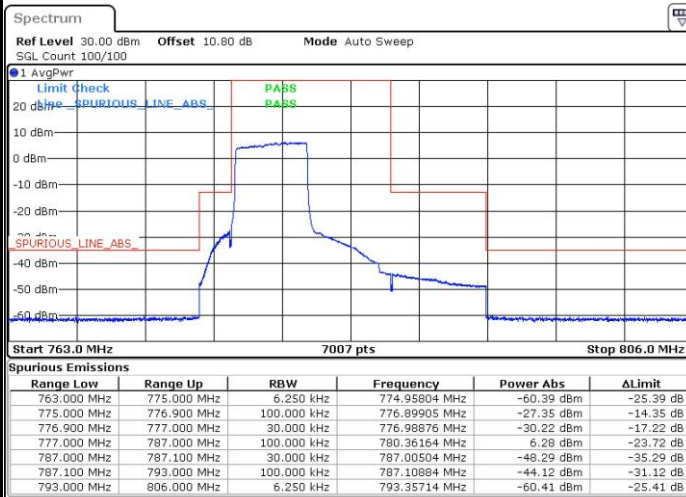
Lowest Band Edge / 1 RB



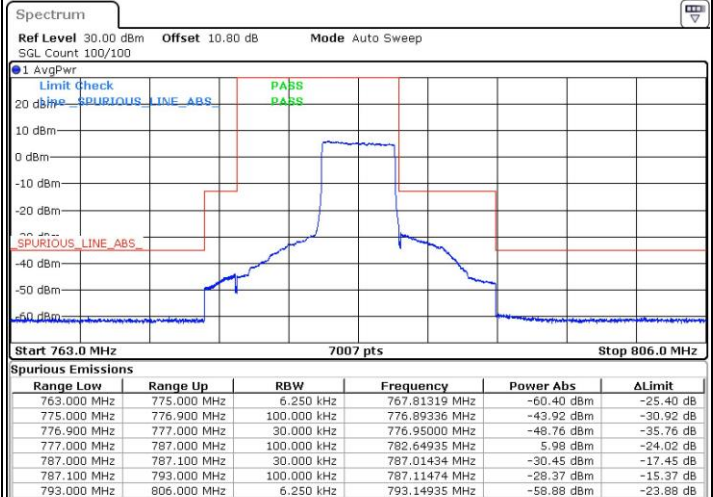
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



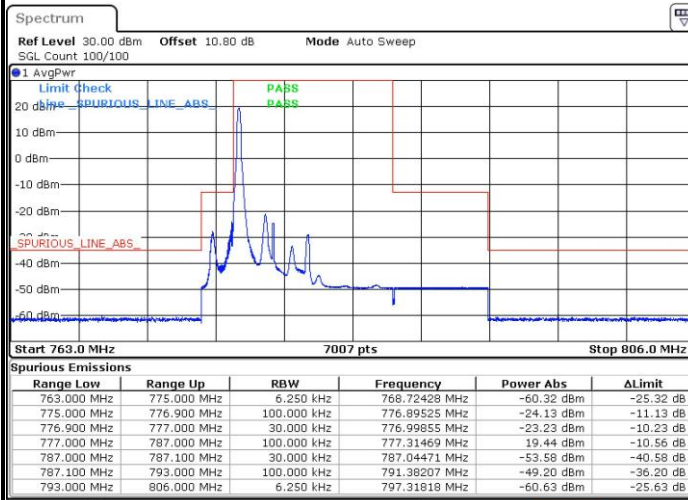
Highest Band Edge / Full RB





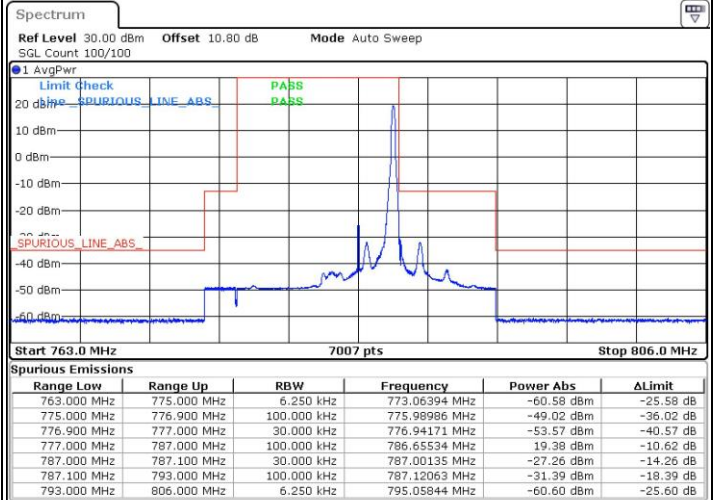
IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



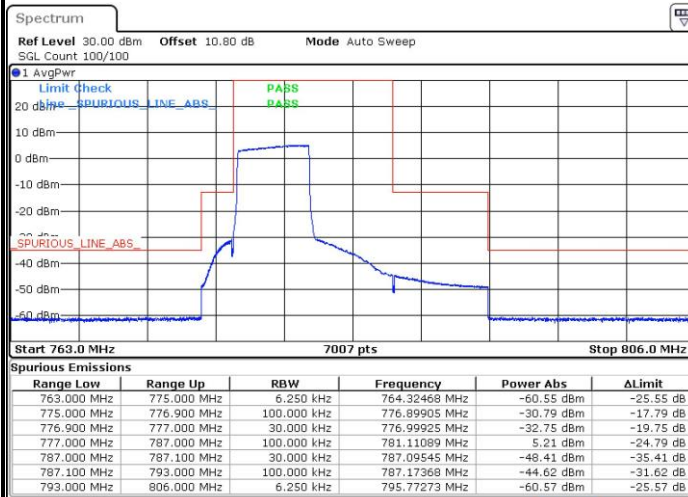
Date: 20 JUN 2017 10:58:25

Highest Band Edge / 1 RB



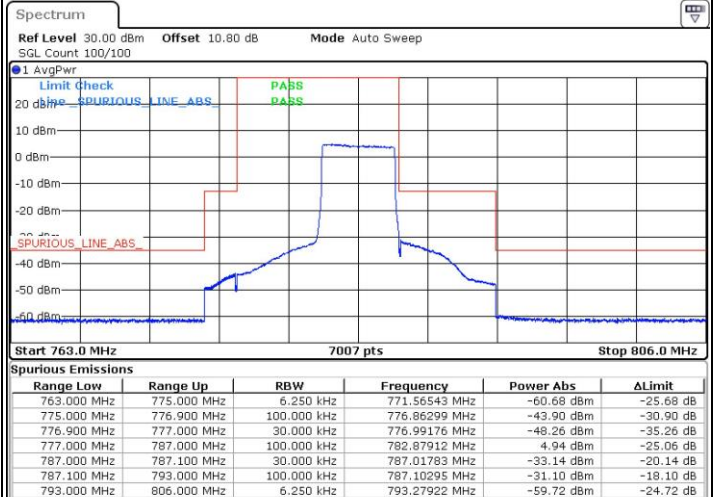
Date: 20 JUN 2017 11:05:03

Lowest Band Edge / Full RB



Date: 20 JUN 2017 10:56:46

Highest Band Edge / Full RB

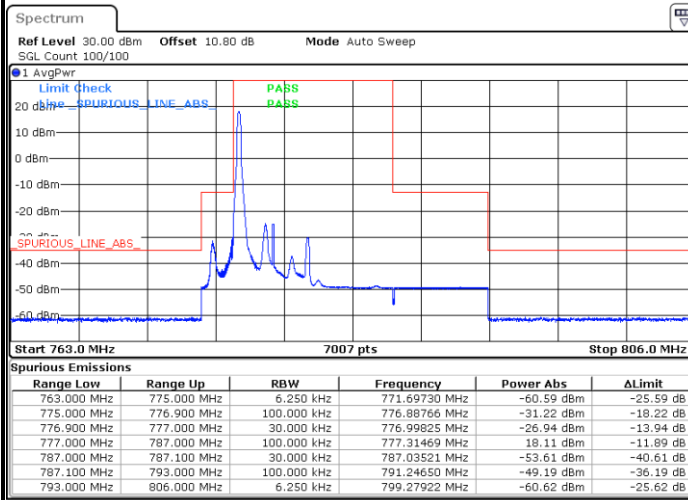


Date: 20 JUN 2017 11:03:24



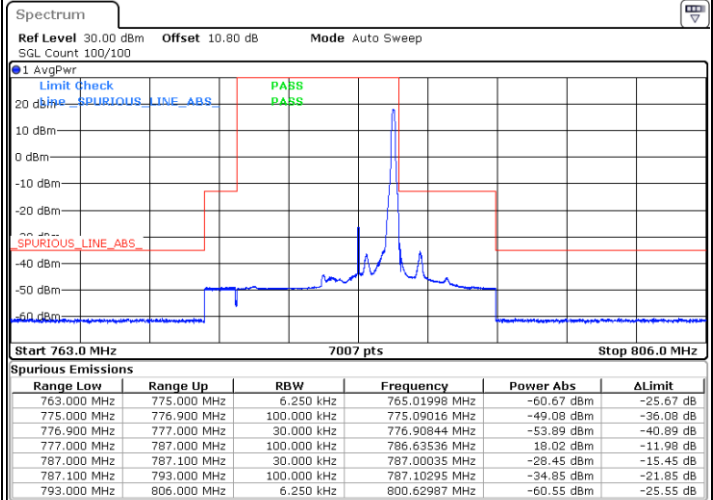
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



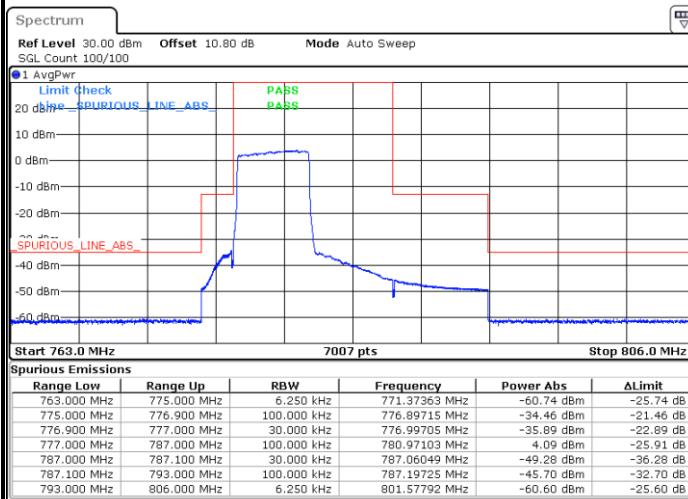
Date: 22 JUN 2017 00:16:40

Highest Band Edge / 1 RB



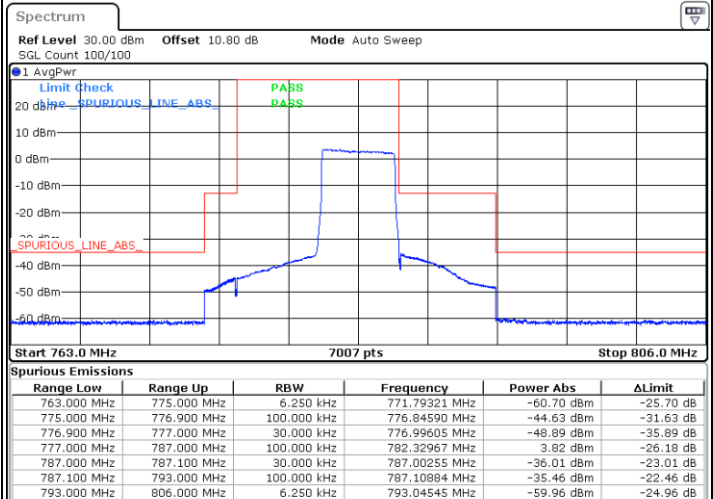
Date: 22 JUN 2017 00:21:56

Lowest Band Edge / Full RB



Date: 22 JUN 2017 00:18:38

Highest Band Edge / Full RB

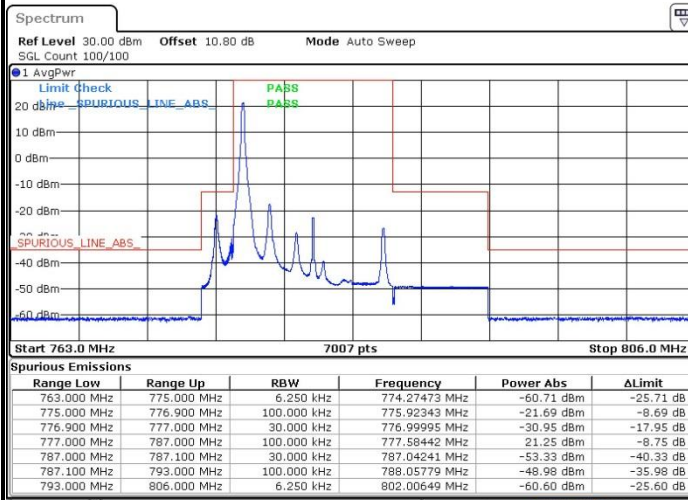


Date: 22 JUN 2017 00:20:17



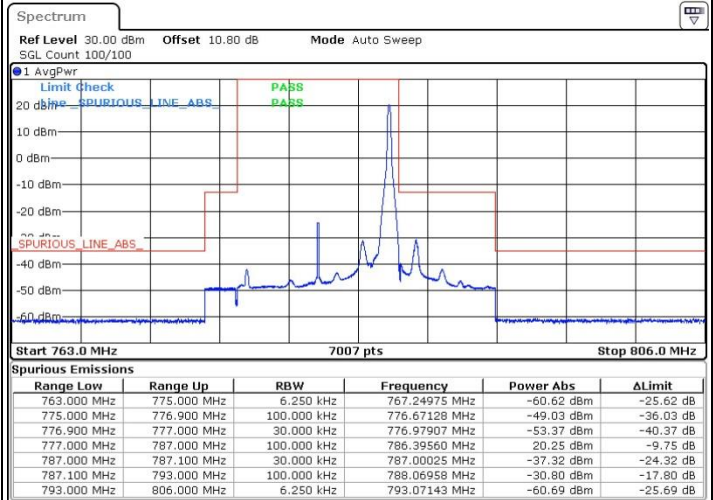
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



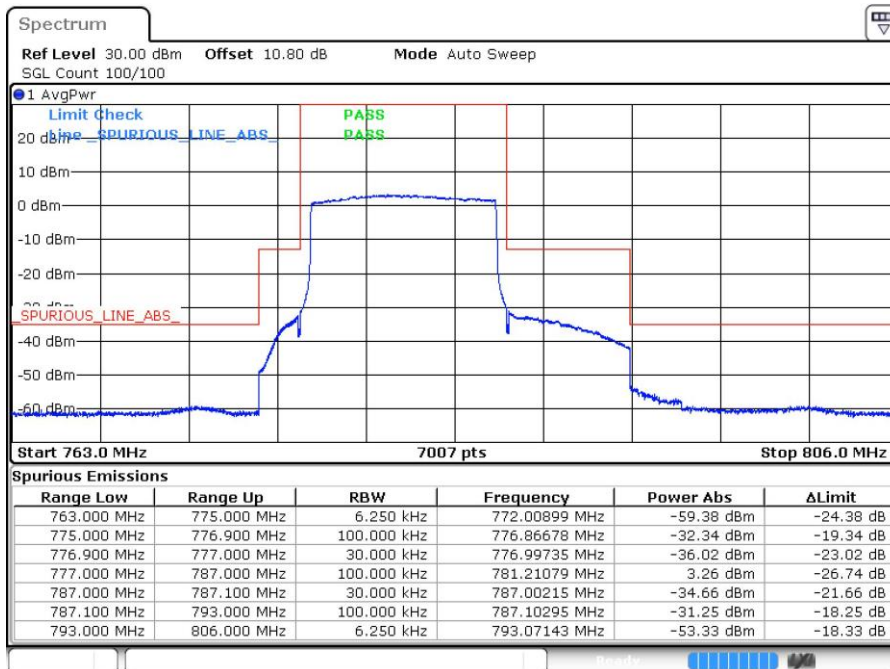
Date: 20 JUN 2017 11:13:20

Highest Band Edge / 1 RB



Date: 20 JUN 2017 11:15:00

Band Edge / Full RB

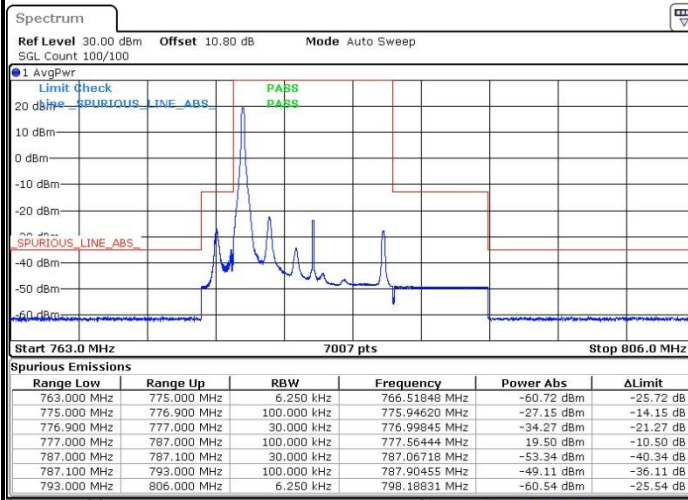


Date: 20 JUN 2017 11:08:22



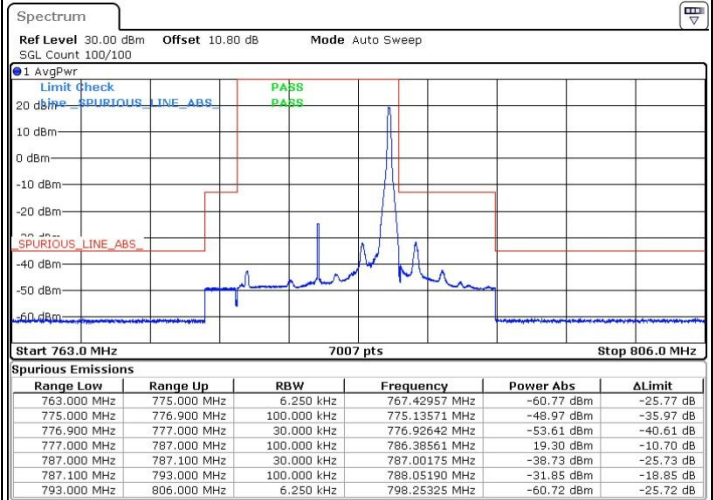
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



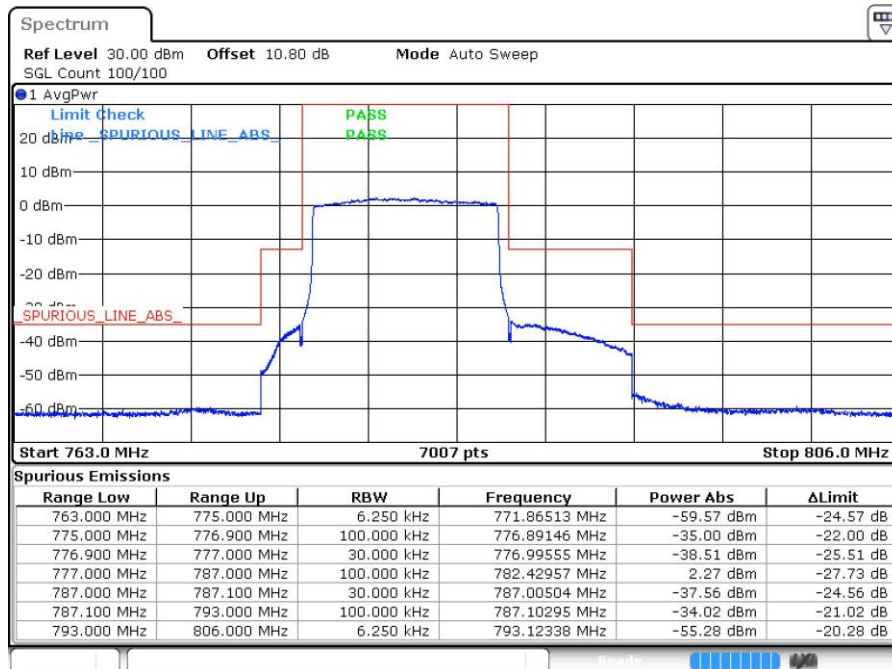
Date: 20 JUN 2017 11:11:41

Highest Band Edge / 1 RB



Date: 20 JUN 2017 11:16:39

Band Edge / Full RB

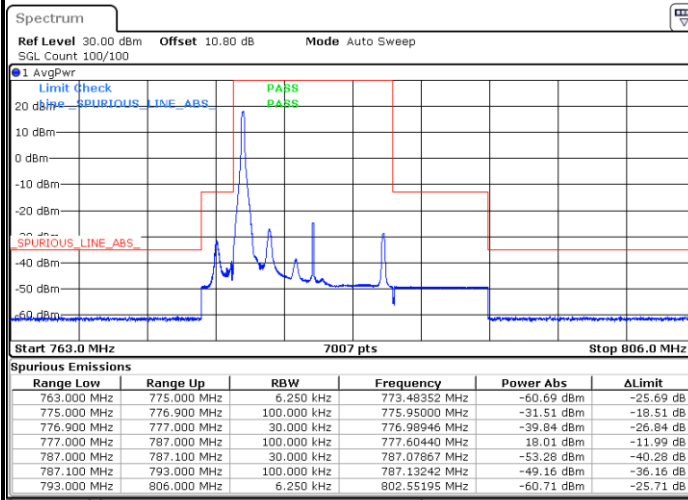


Date: 20 JUN 2017 11:10:01



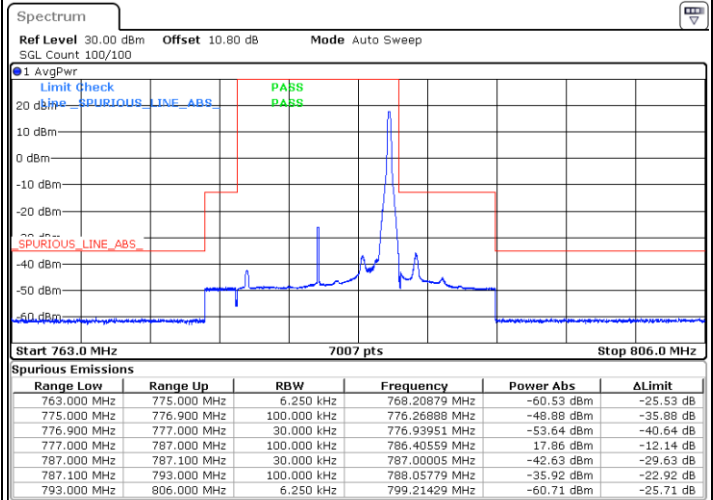
IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



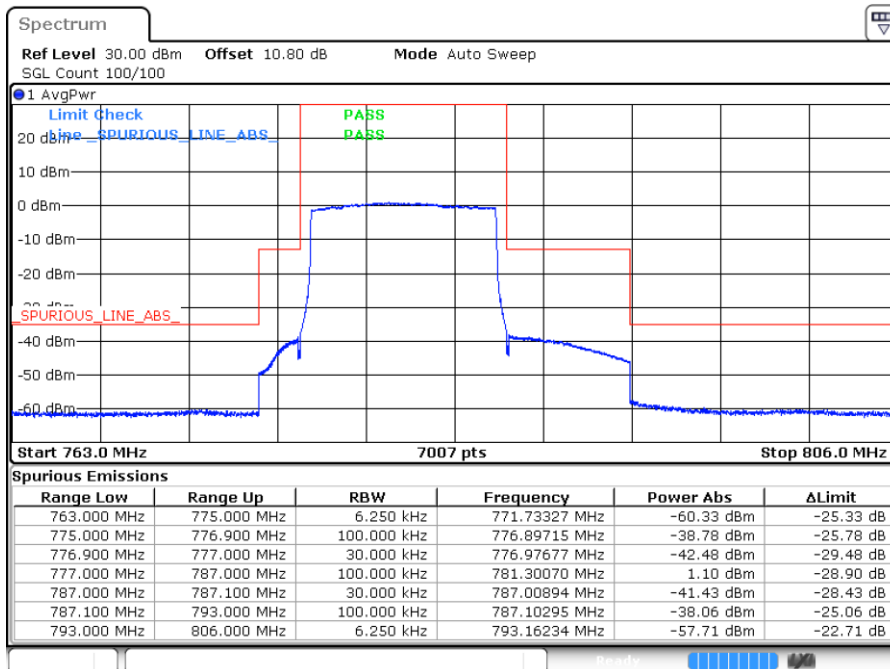
Date: 22 JUN 2017 00:25:13

Highest Band Edge / 1 RB



Date: 22 JUN 2017 00:26:52

Band Edge / Full RB



Date: 22 JUN 2017 00:23:34

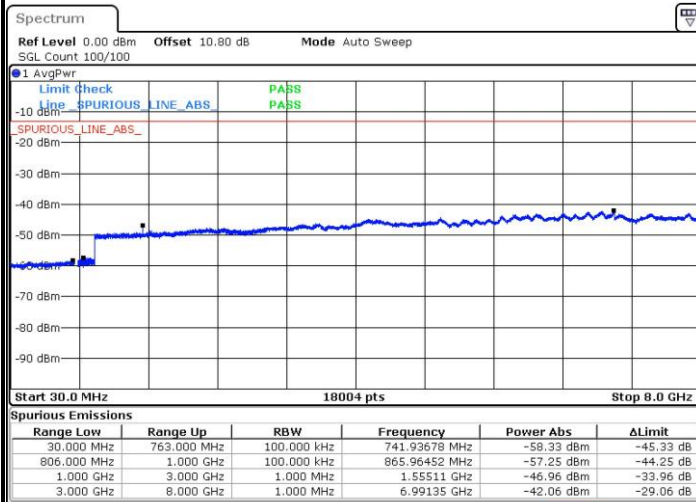


Conducted Spurious Emission



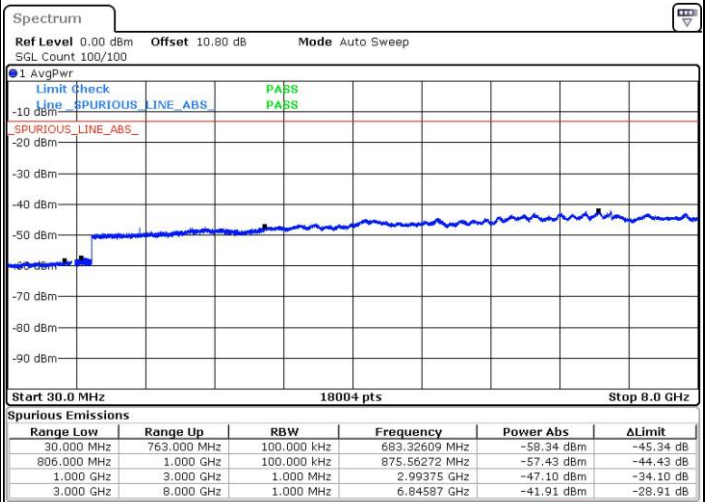
LTE Band 13 / 5MHz

Lowest Channel / QPSK



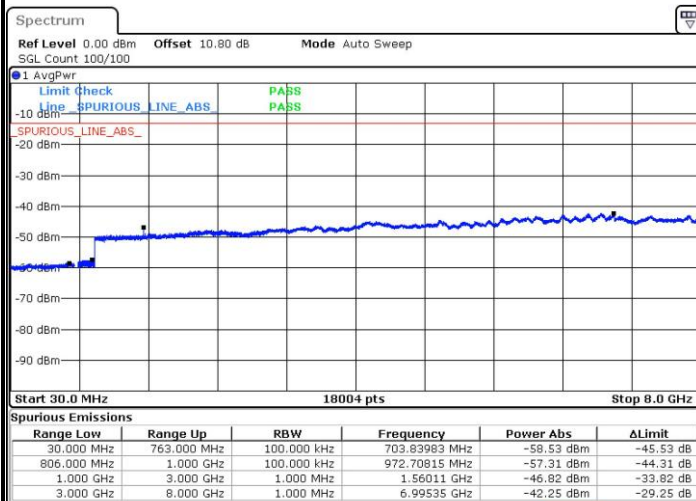
Date: 20 JUN 2017 10:14:49

Lowest Channel / 16QAM



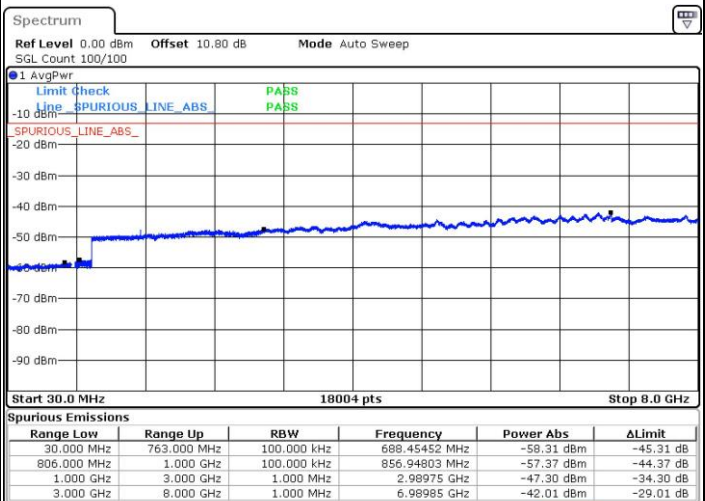
Date: 20 JUN 2017 10:15:43

Middle Channel / QPSK



Date: 20 JUN 2017 10:17:31

Middle Channel / 16QAM

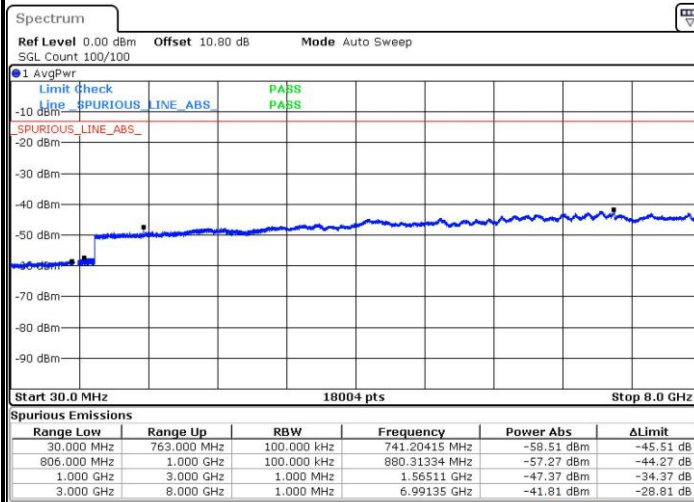


Date: 20 JUN 2017 10:16:37



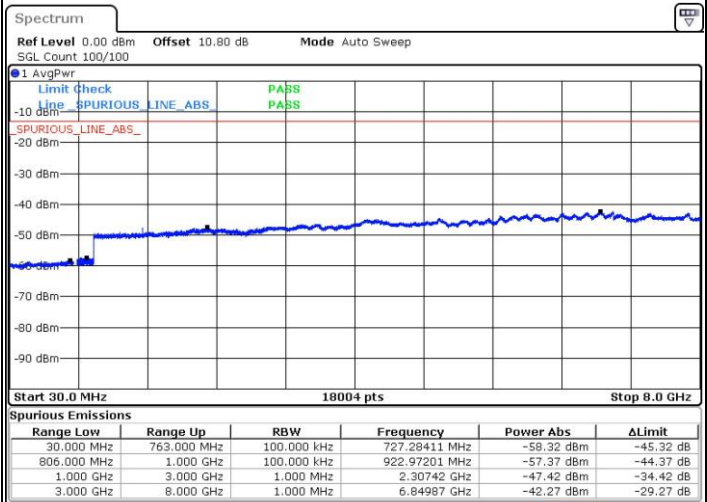
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2017 10:19:48

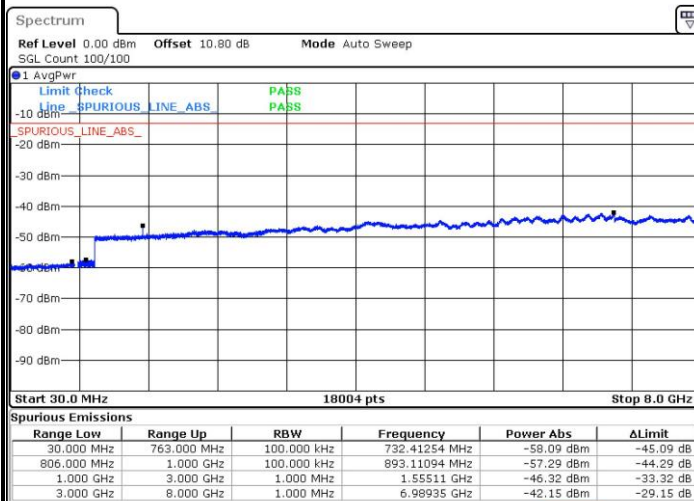
Highest Channel / 16QAM



Date: 20 JUN 2017 10:20:42

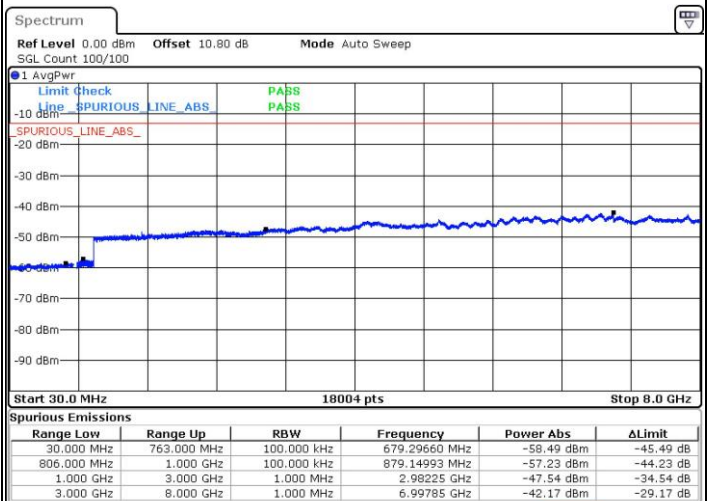
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 20 JUN 2017 10:23:11

Middle Channel / 16QAM

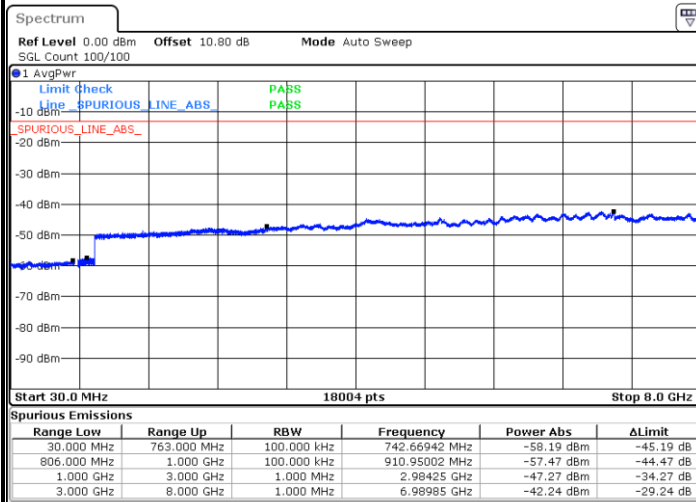


Date: 20 JUN 2017 10:22:17



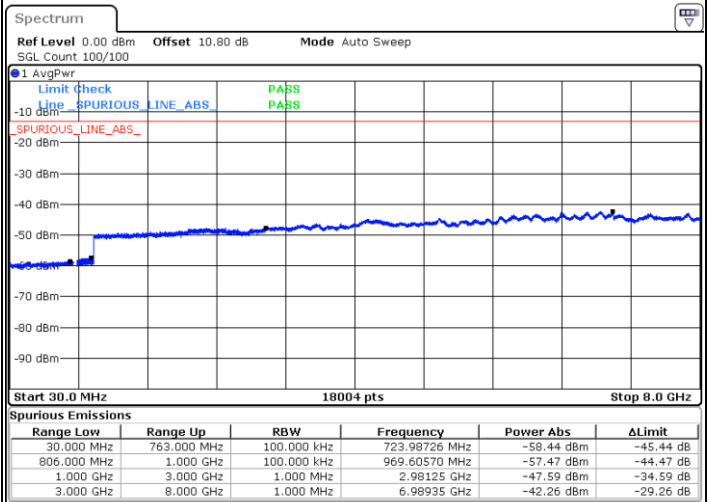
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



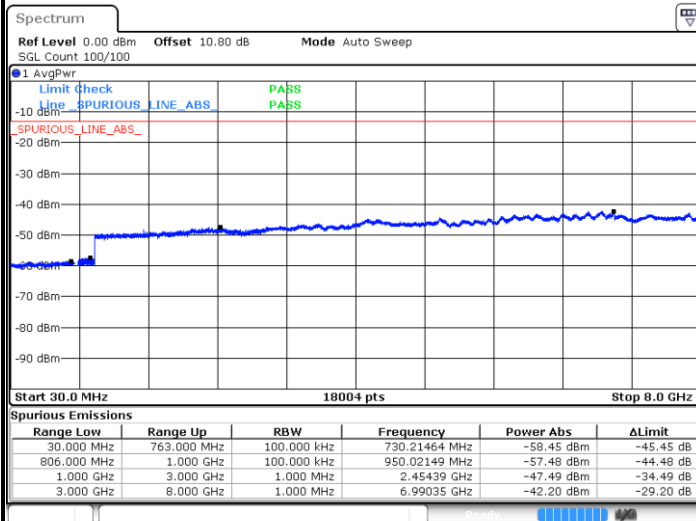
Date: 22 JUN 2017 00:00:23

Middle Channel / 64QAM



Date: 22 JUN 2017 00:01:16

Highest Channel / 64QAM

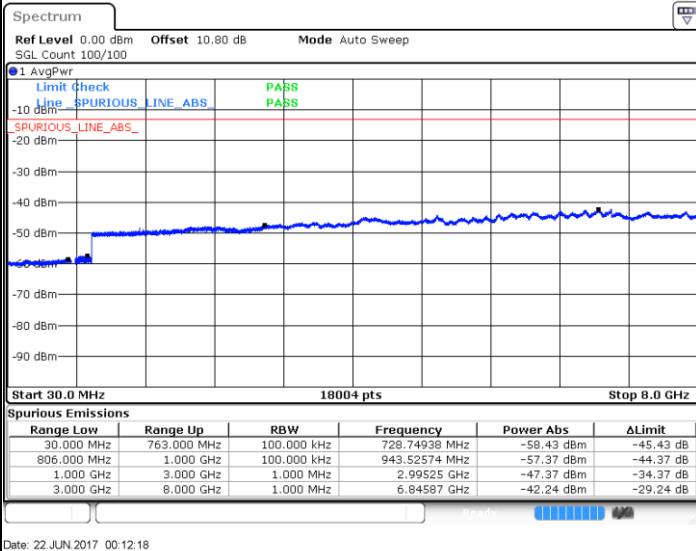


Date: 22 JUN 2017 00:06:07



LTE Band 13 / 10MHz

Middle Channel / 64QAM



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	0.0004	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

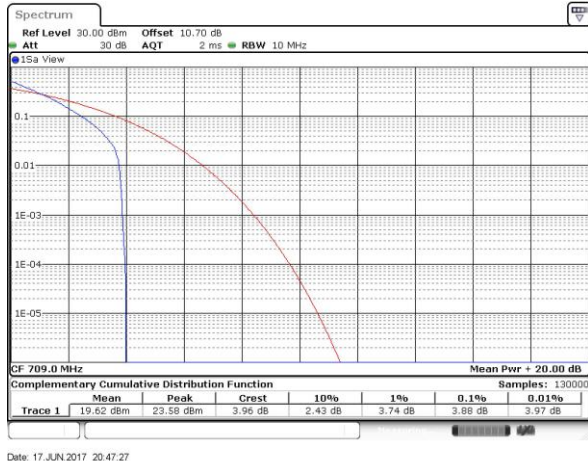
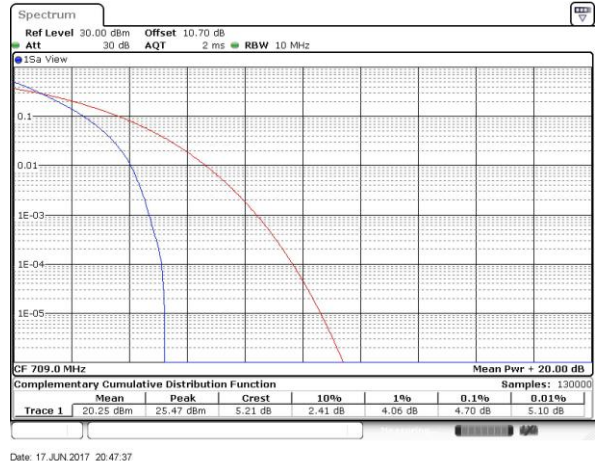
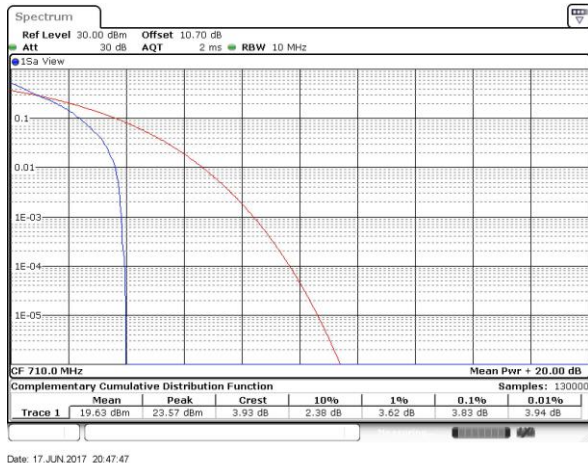
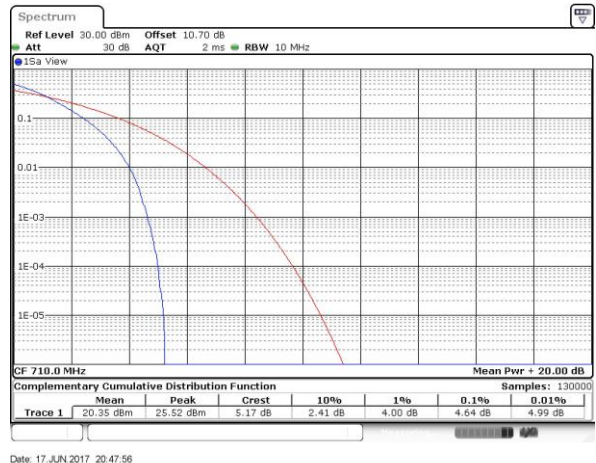
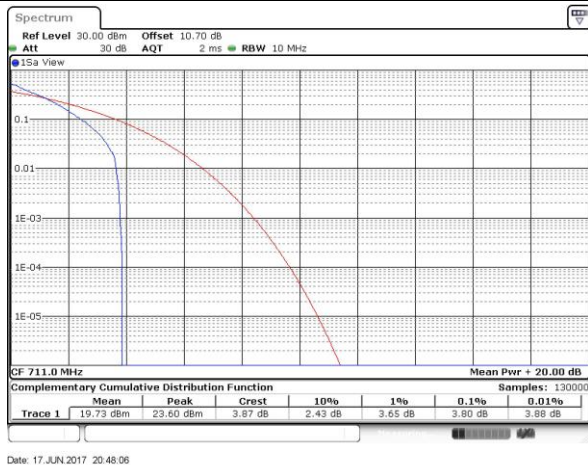
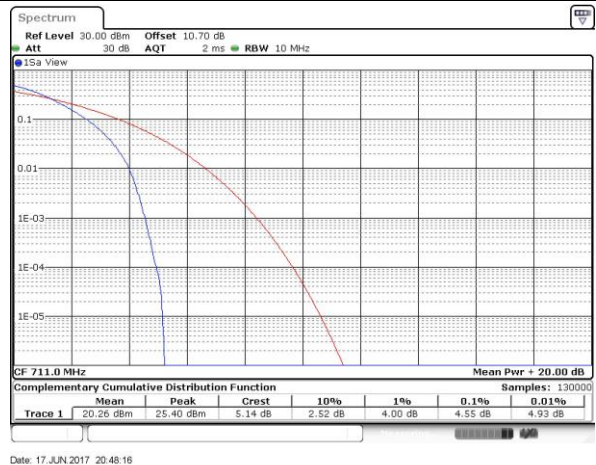
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

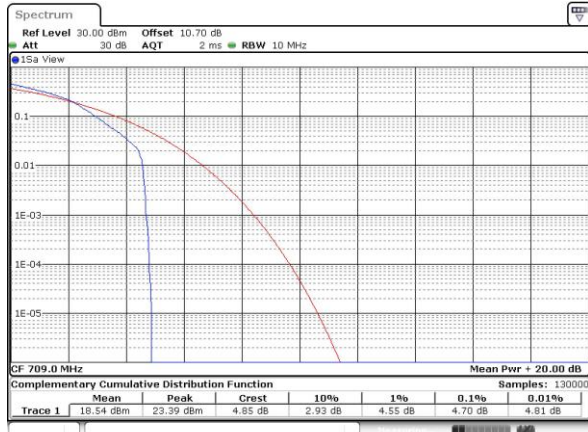


LTE Band 17

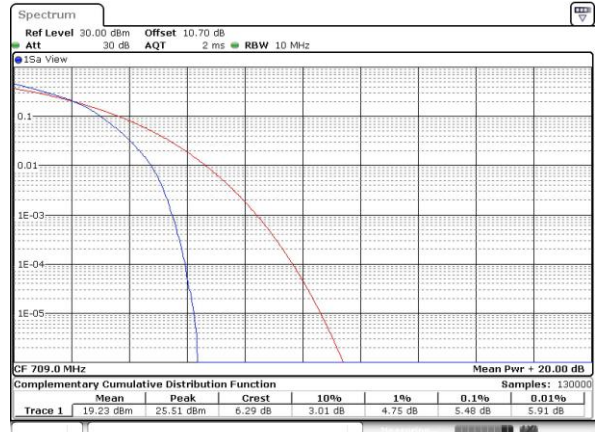
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.88	4.7	4.7	5.48	PASS
Middle CH	3.83	4.64	4.75	5.51	
Highest CH	3.8	4.55	4.49	5.48	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.65	6.09			PASS
Middle CH	5.68	6.09			
Highest CH	5.68	6.09			

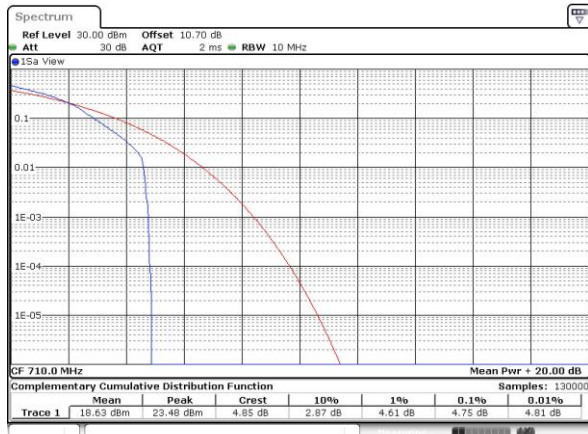
LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB


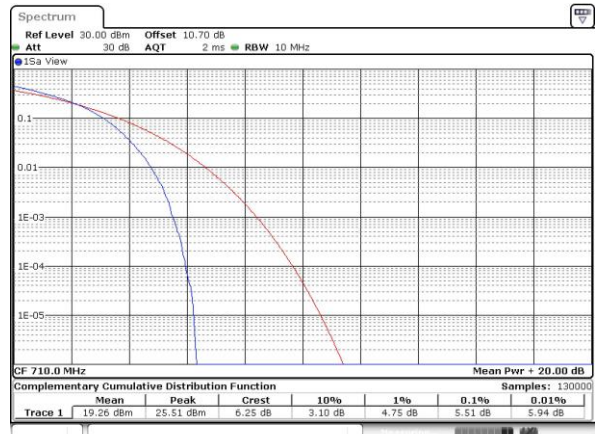
Date: 17 JUN 2017 20:46:28

Lowest Channel / Full RB


Date: 17 JUN 2017 20:46:37

Middle Channel / 1RB


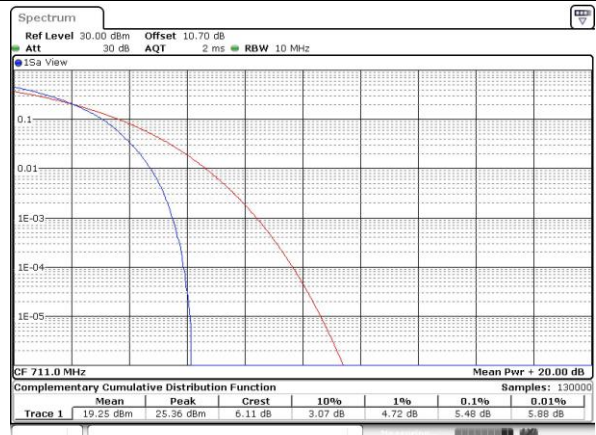
Date: 17 JUN 2017 20:46:47

Middle Channel / Full RB


Date: 17 JUN 2017 20:46:57

Highest Channel / 1RB

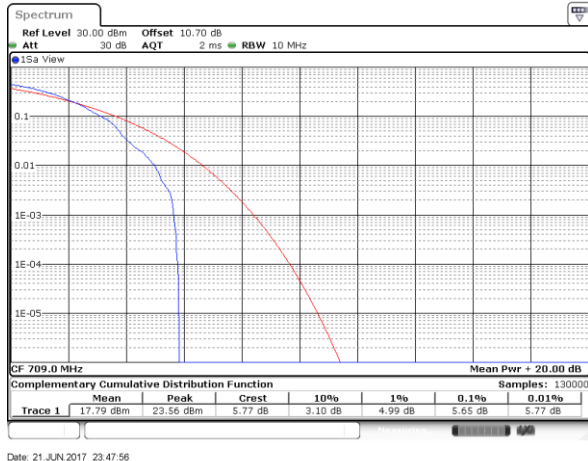

Date: 17 JUN 2017 20:47:07

Highest Channel / Full RB


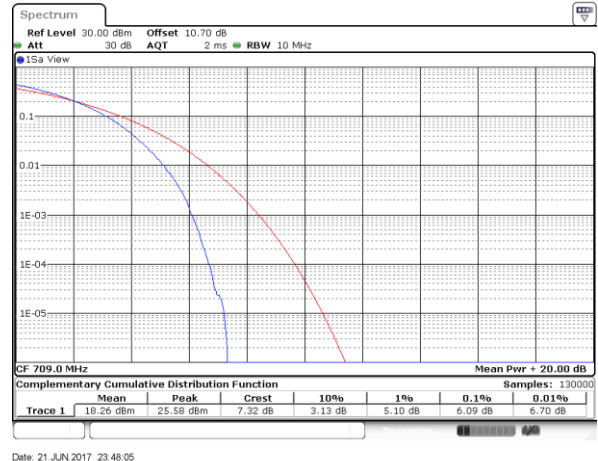
Date: 17 JUN 2017 20:47:17

LTE Band 17 / 10MHz / 64QAM

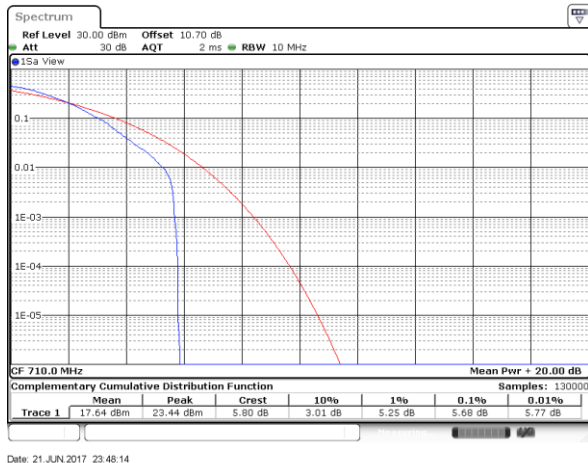
Lowest Channel / 1RB



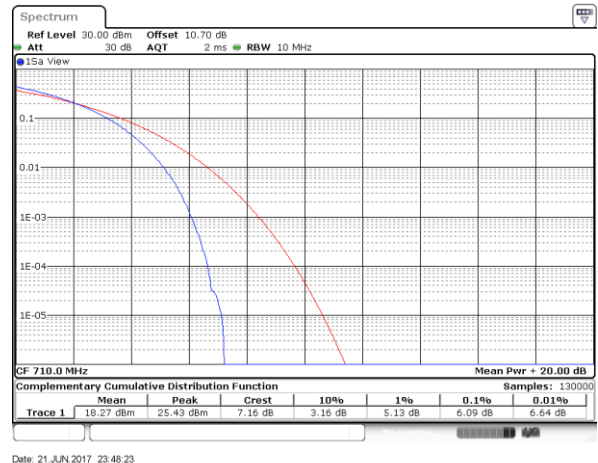
Lowest Channel / Full RB



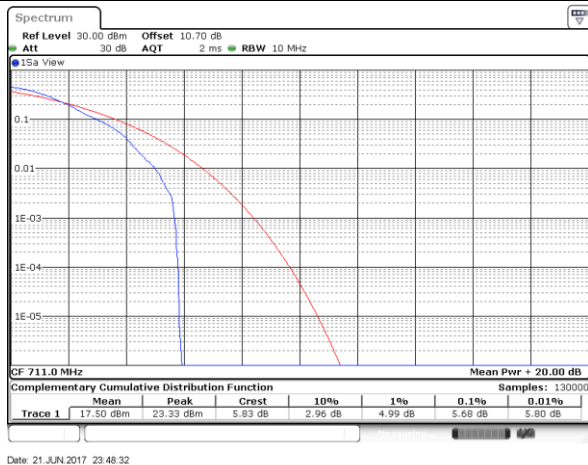
Middle Channel / 1RB



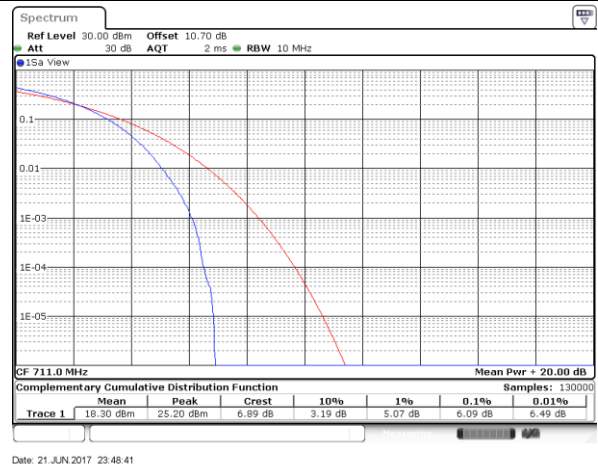
Middle Channel / Full RB



Highest Channel / 1RB

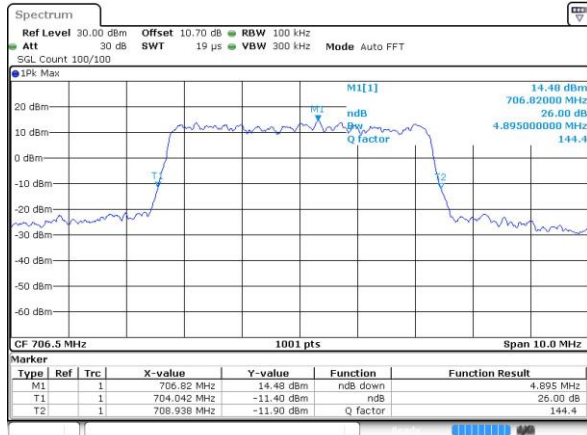


Highest Channel / Full RB

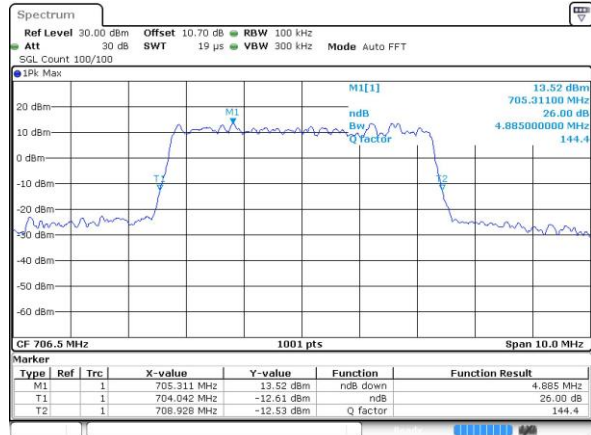


**26dB Bandwidth**

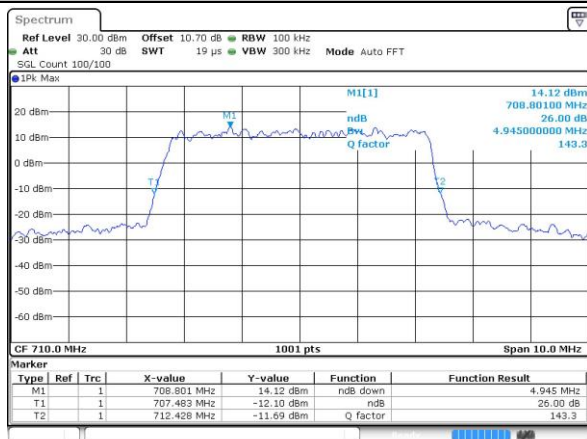
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.90	4.89	9.89	9.69	-	-	-	-
Middle CH	-	-	-	-	4.95	4.88	9.83	9.95	-	-	-	-
Highest CH	-	-	-	-	4.86	4.85	9.67	9.67	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.95	-	9.75	-	-	-	-	-
Middle CH	-	-	-	-	4.9	-	9.69	-	-	-	-	-
Highest CH	-	-	-	-	4.88	-	9.77	-	-	-	-	-

LTE Band 17
Lowest Channel / 5MHz / QPSK


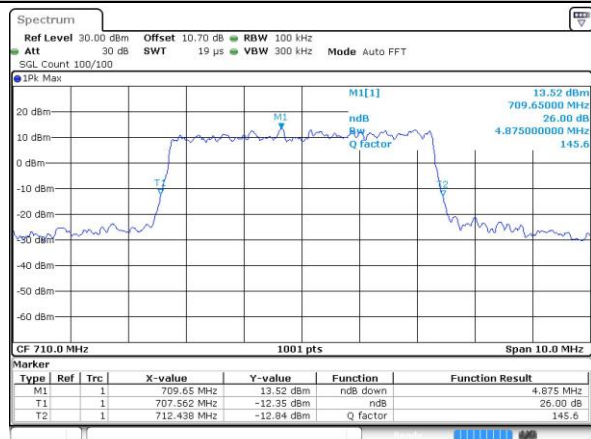
Date: 17 JUN 2017 19:53:53

Lowest Channel / 5MHz / 16QAM


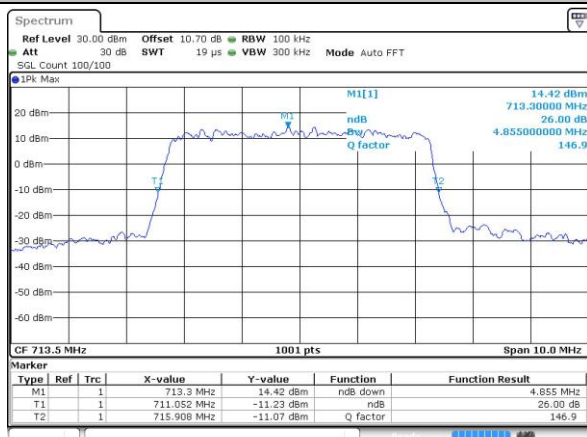
Date: 17 JUN 2017 19:54:03

Middle Channel / 5MHz / QPSK


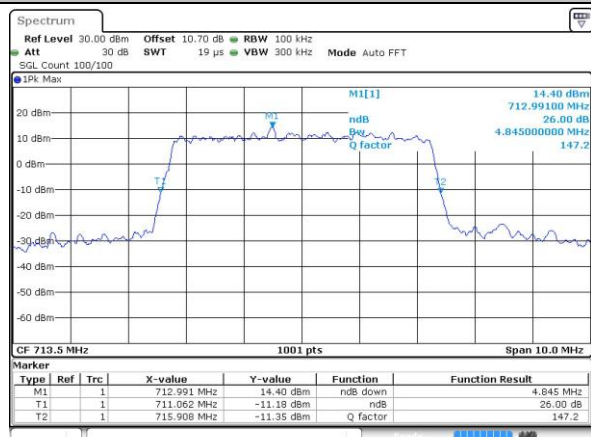
Date: 17 JUN 2017 20:00:59

Middle Channel / 5MHz / 16QAM


Date: 17 JUN 2017 20:01:09

Highest Channel / 5MHz / QPSK


Date: 17 JUN 2017 20:03:29

Highest Channel / 5MHz / 16QAM


Date: 17 JUN 2017 20:03:39