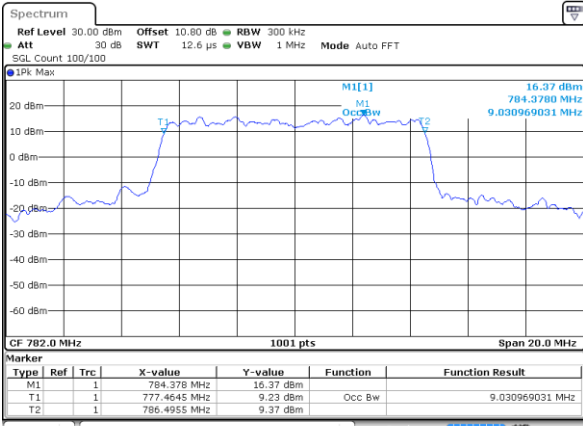




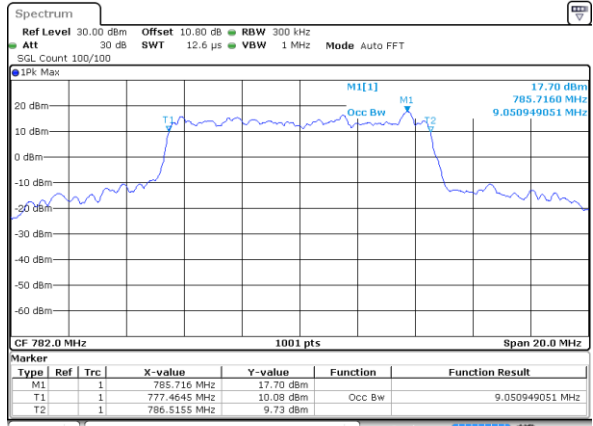
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 2 SEP 2017 00:02:43

Middle Channel / 10MHz / 16QAM



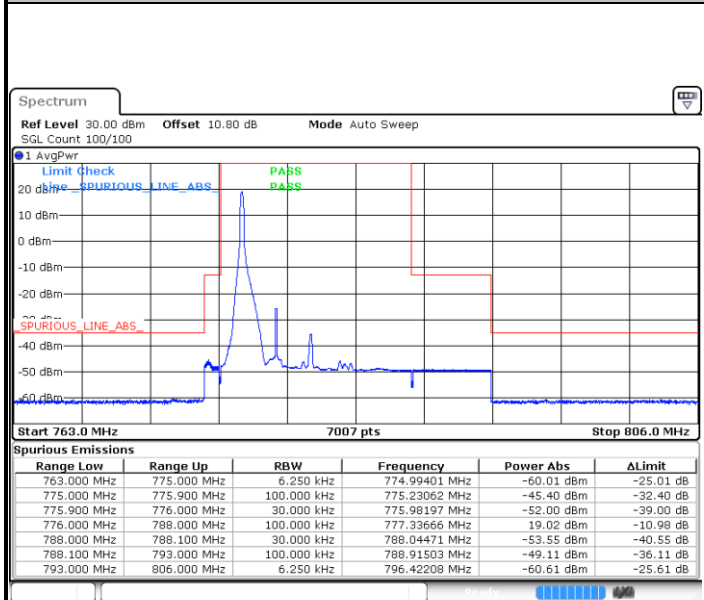
Date: 2 SEP 2017 00:02:53



Conducted Band Edge

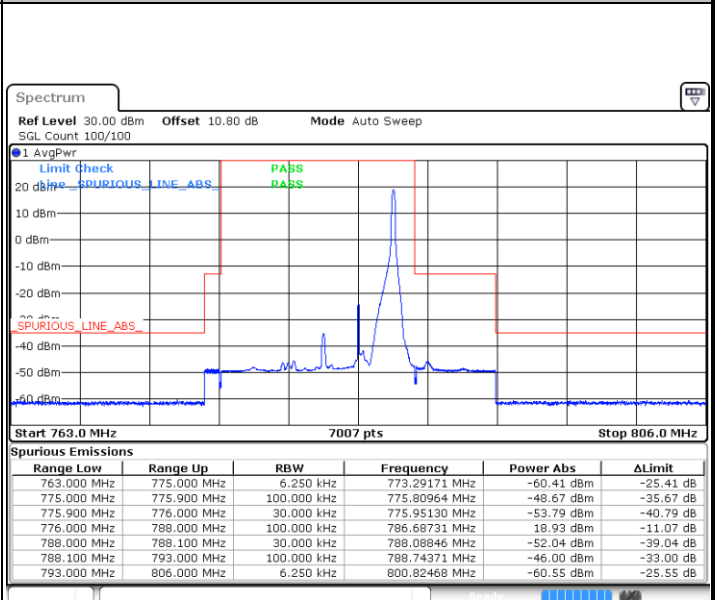
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



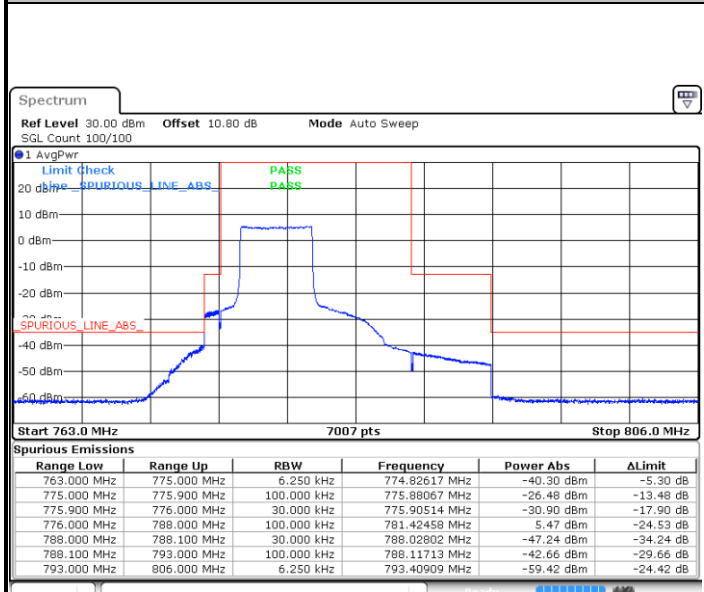
Date: 1 SEP.2017 23:49:16

Highest Band Edge / 1 RB



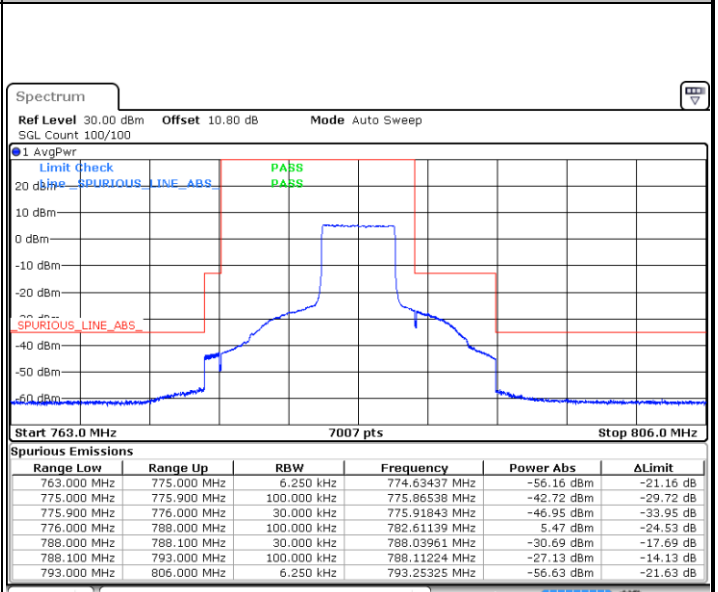
Date: 2 SEP.2017 00:00:45

Lowest Band Edge / Full RB



Date: 1 SEP.2017 23:44:19

Highest Band Edge / Full RB



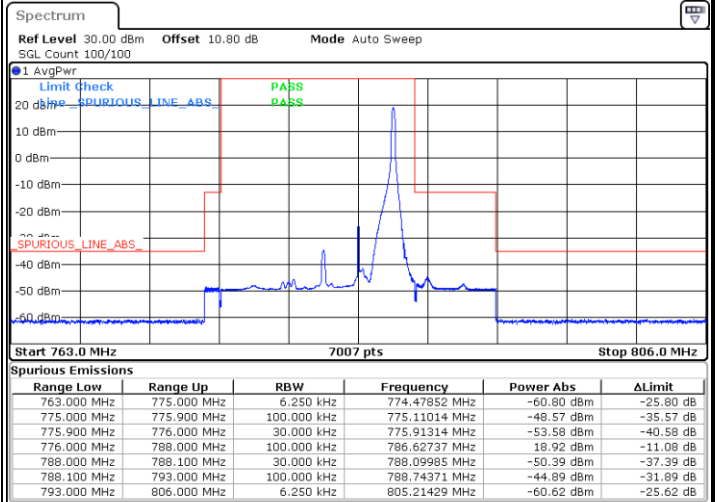
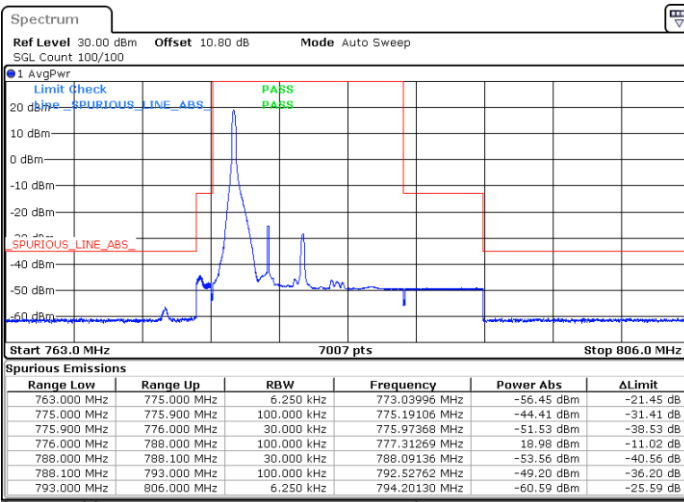
Date: 1 SEP.2017 23:55:49



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

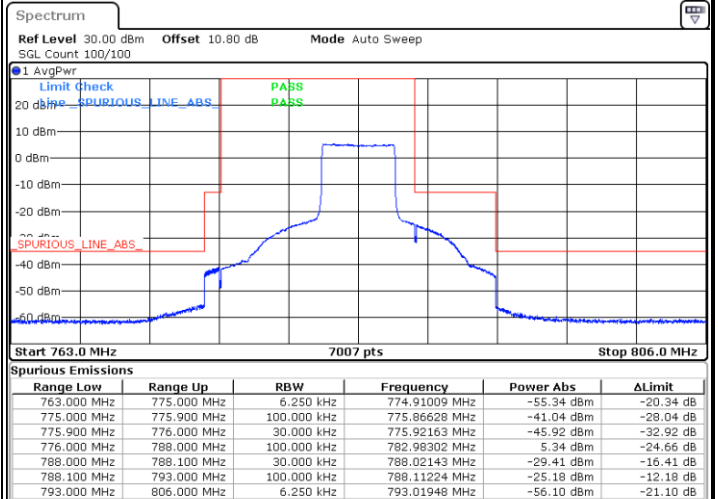
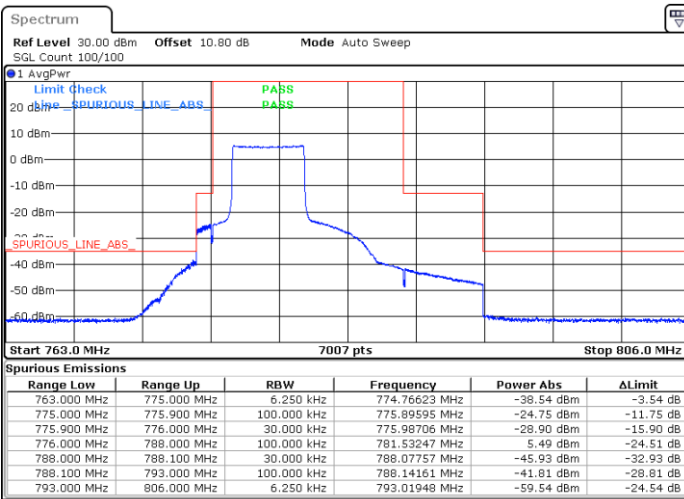


Date: 1 SEP.2017 23:47:37

Date: 1 SEP.2017 23:59:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



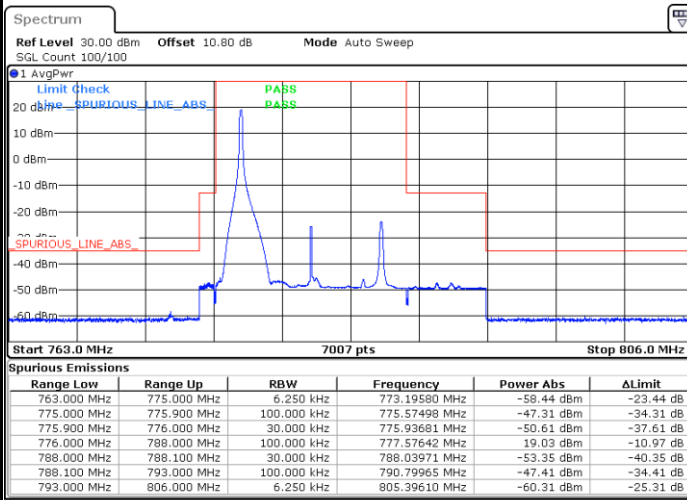
Date: 1 SEP.2017 23:45:58

Date: 1 SEP.2017 23:57:28



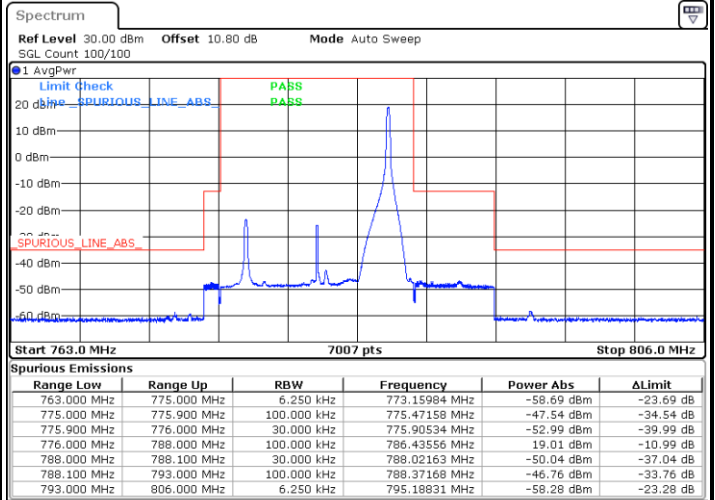
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



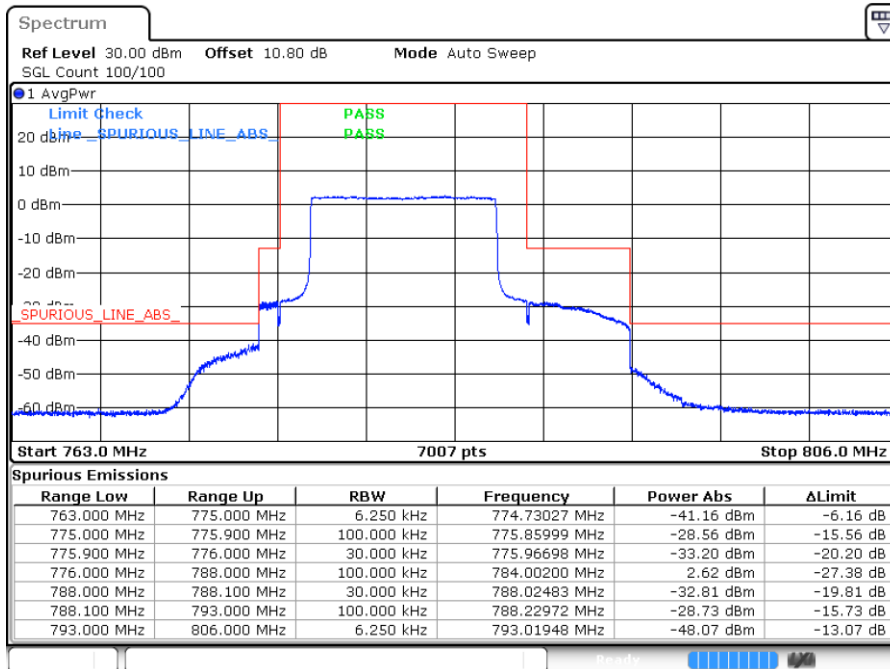
Date: 2 SEP 2017 00:09:48

Highest Band Edge / 1 RB



Date: 2 SEP 2017 00:11:27

Band Edge / Full RB



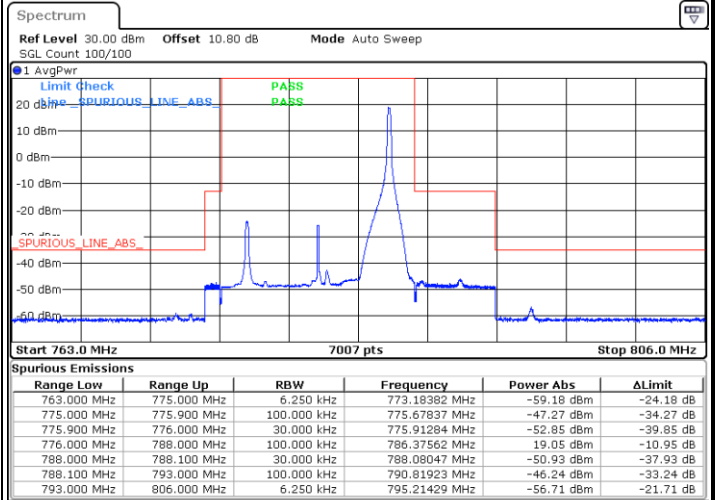
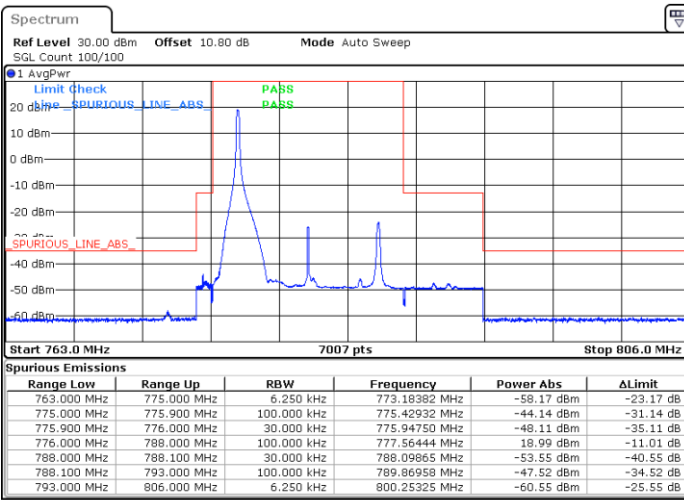
Date: 2 SEP 2017 00:04:51



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

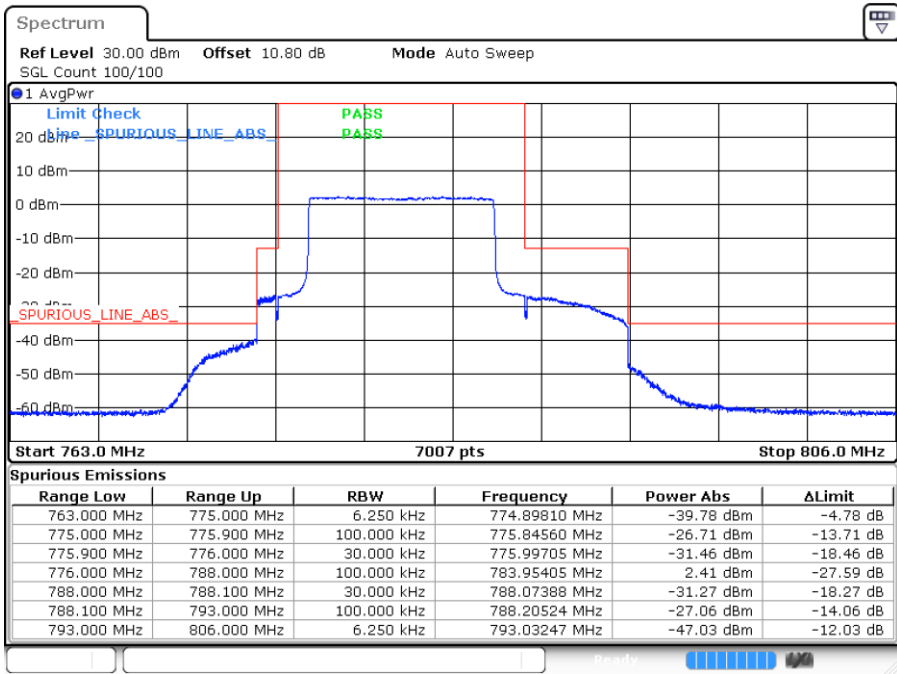
Highest Band Edge / 1 RB



Date: 2 SEP 2017 00:08:09

Date: 2 SEP 2017 00:13:05

Band Edge / Full RB



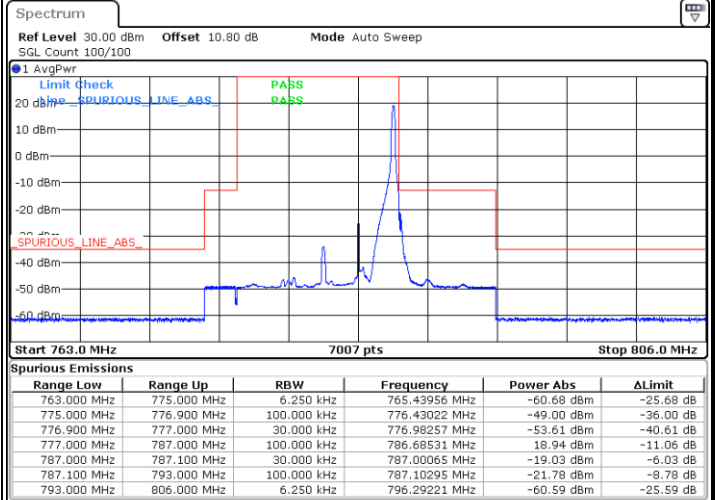
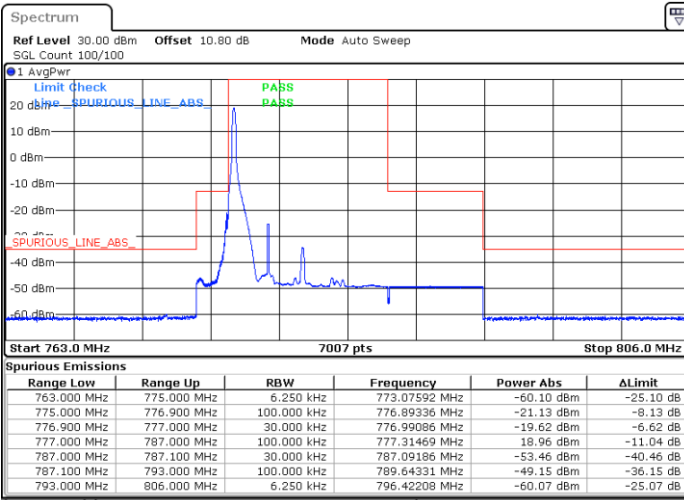
Date: 2 SEP 2017 00:06:30



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

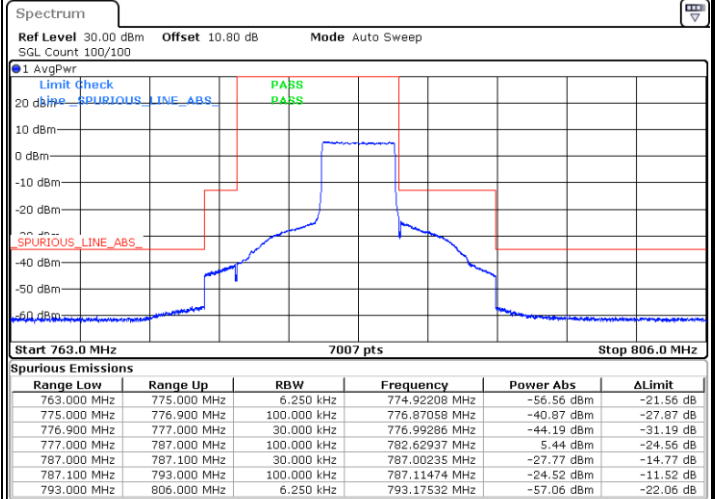
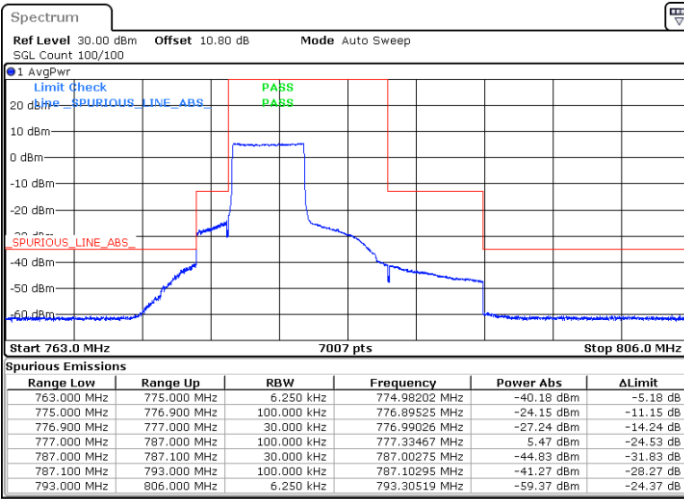


Date: 2 SEP.2017 00:32:15

Date: 2 SEP.2017 00:38:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2 SEP.2017 00:27:19

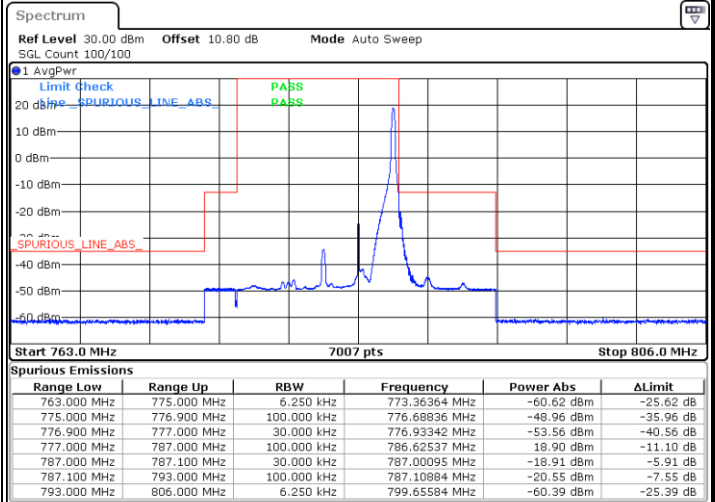
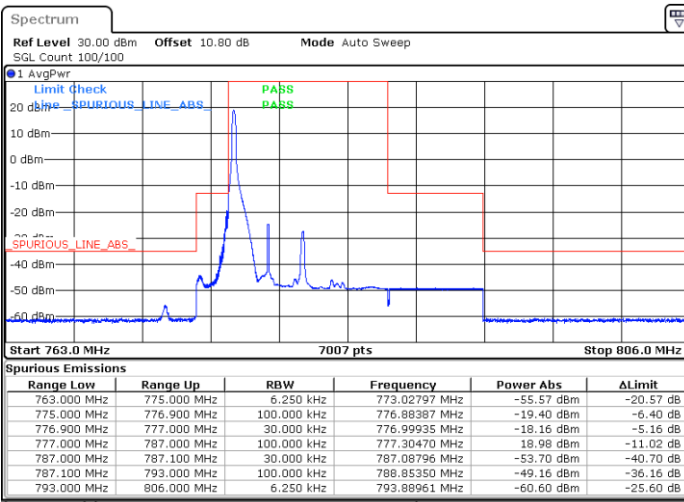
Date: 2 SEP.2017 00:33:54



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

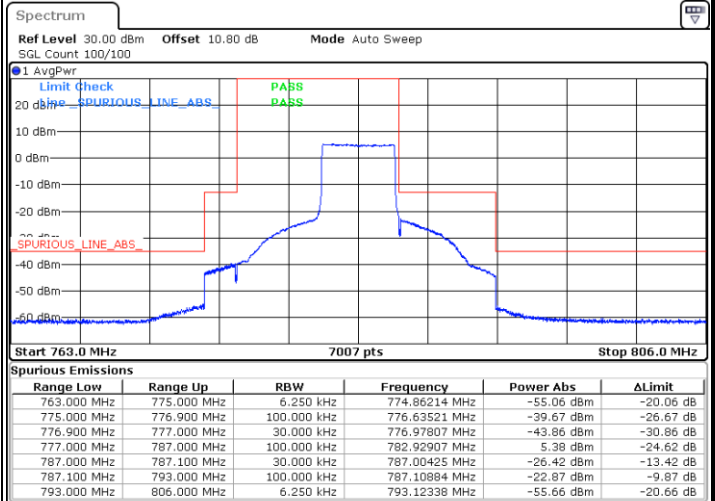
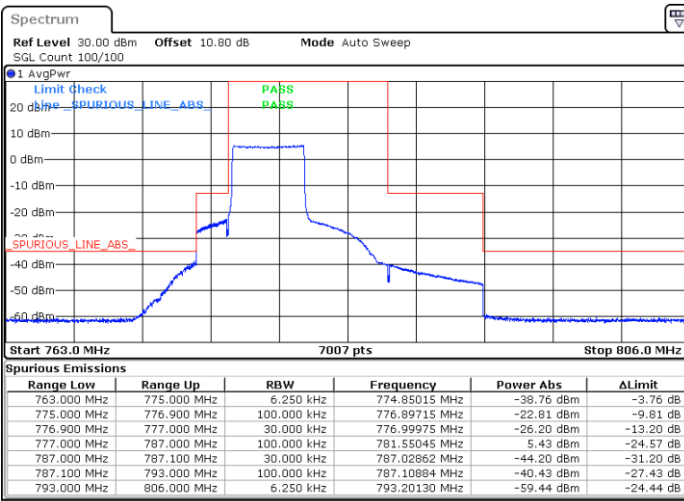


Date: 2 SEP.2017 00:30:37

Date: 2 SEP.2017 00:37:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2 SEP.2017 00:28:58

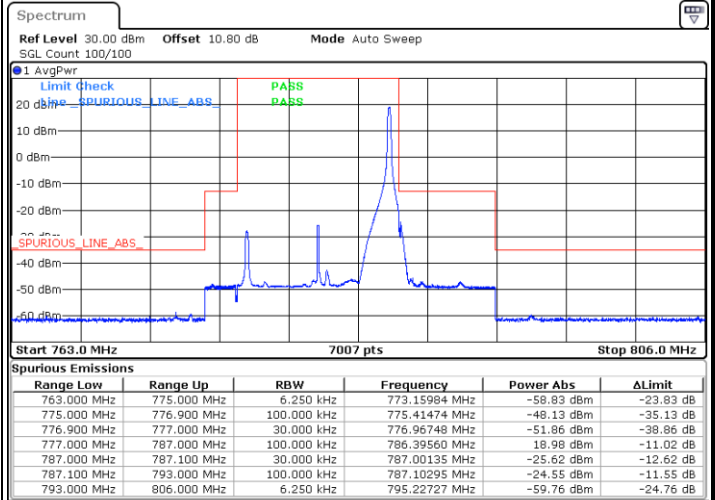
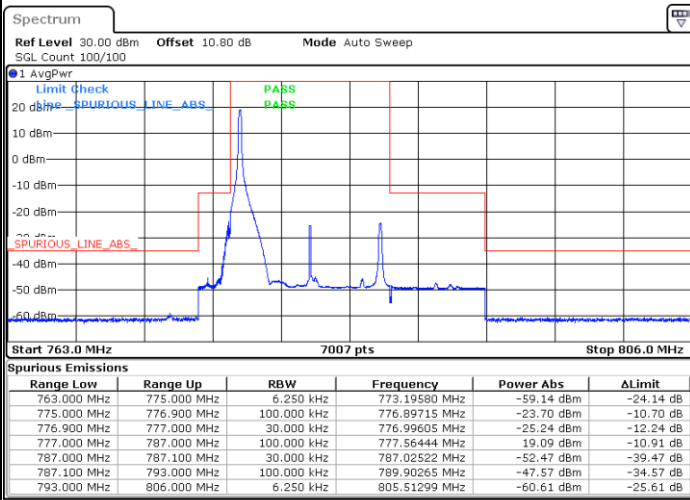
Date: 2 SEP.2017 00:35:33



IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

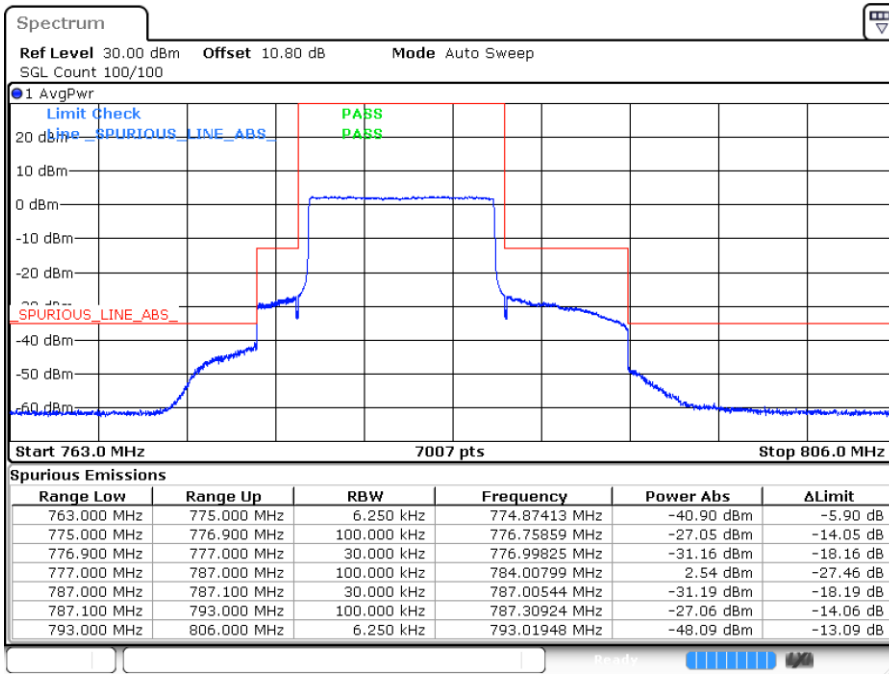
Highest Band Edge / 1 RB



Date: 2 SEP 2017 00:45:26

Date: 2 SEP 2017 00:47:05

Band Edge / Full RB



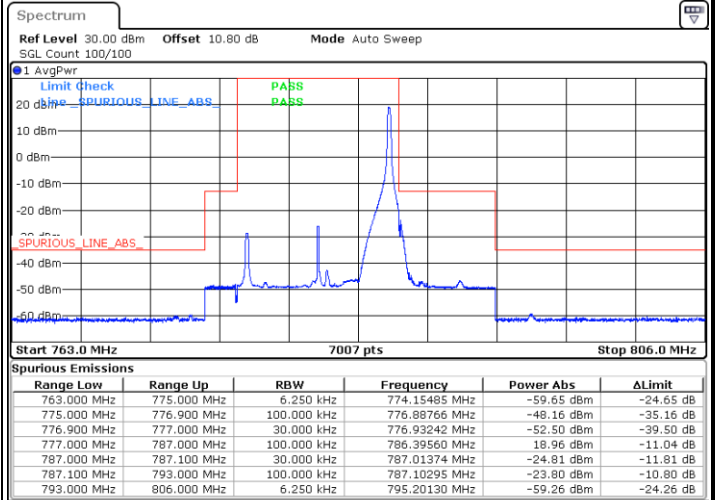
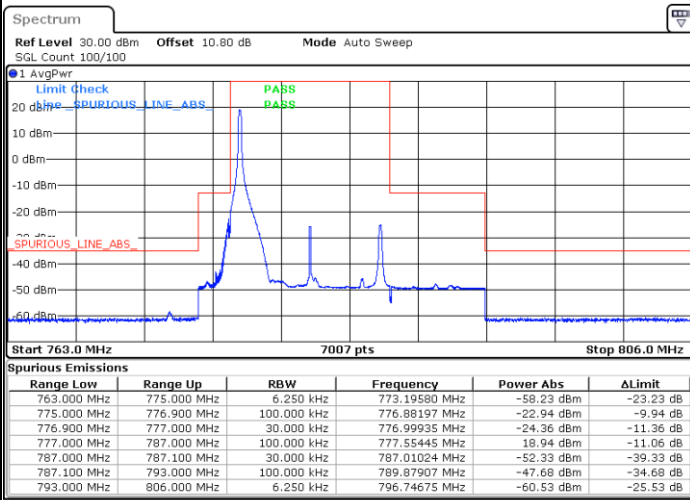
Date: 2 SEP 2017 00:40:30



IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

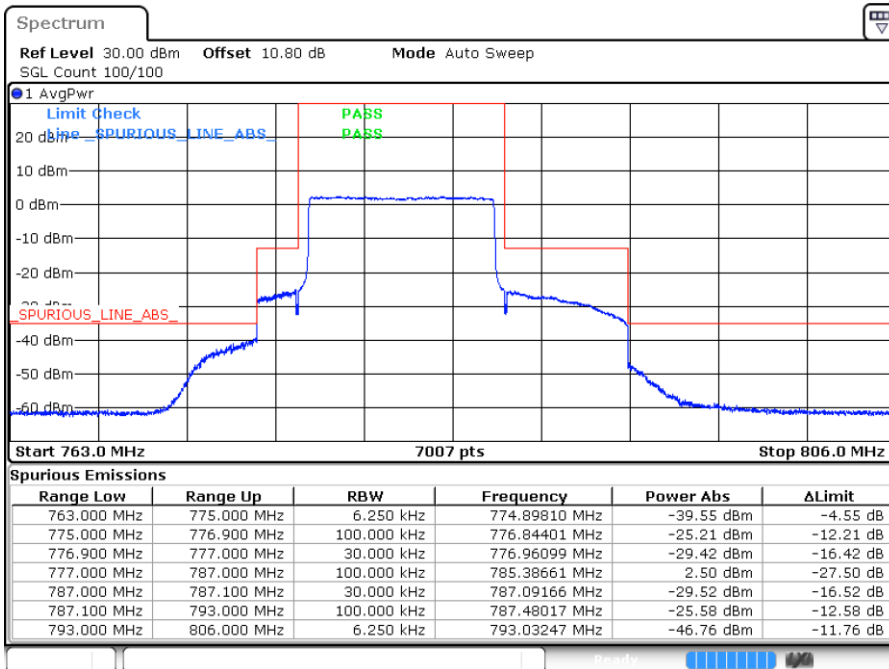
Highest Band Edge / 1 RB



Date: 2 SEP.2017 00:43:47

Date: 2 SEP.2017 00:48:44

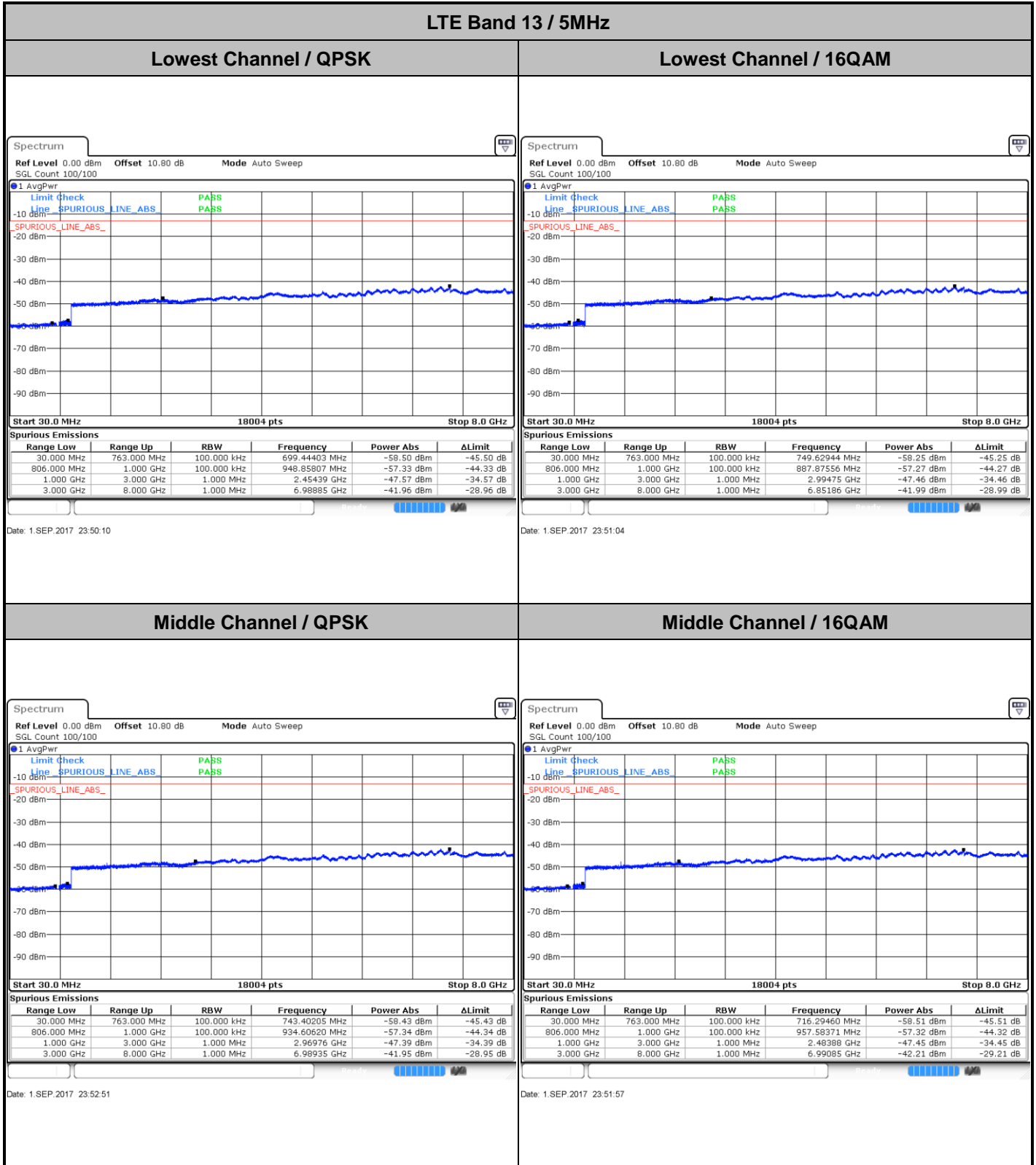
Band Edge / Full RB



Date: 2 SEP.2017 00:42:08



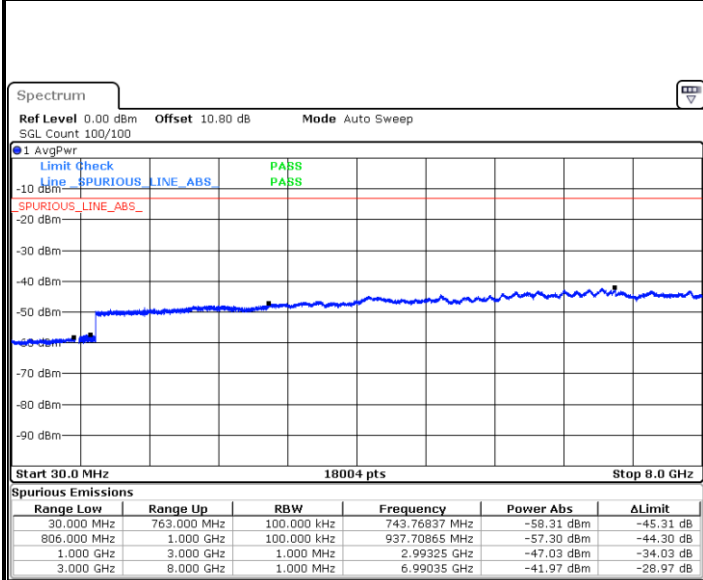
Conducted Spurious Emission





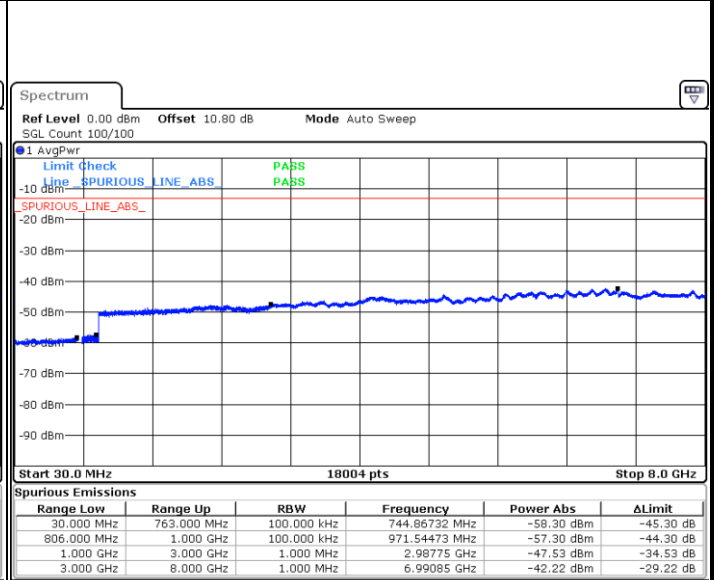
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 2 SEP.2017 00:01:40

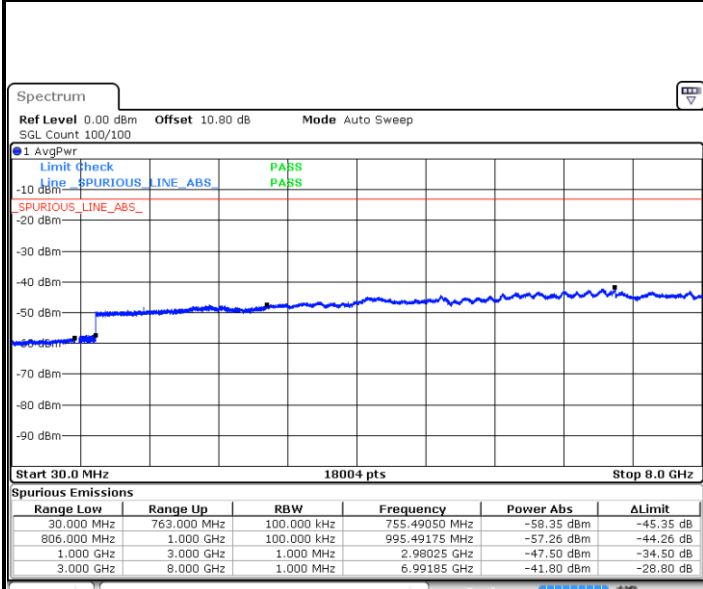
Highest Channel / 16QAM



Date: 2 SEP.2017 00:02:33

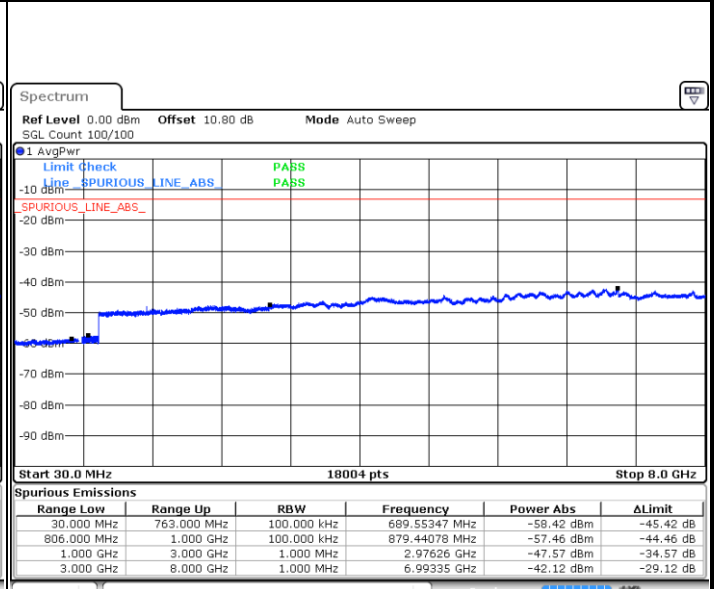
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 2 SEP.2017 00:14:53

Middle Channel / 16QAM



Date: 2 SEP.2017 00:14:00



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	0.0014	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0086	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0058	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

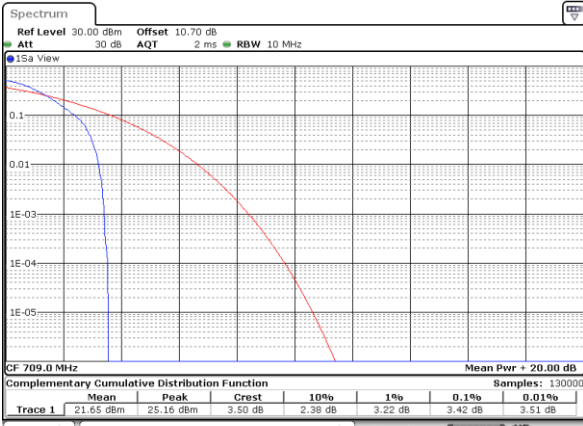
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.61	4.2	5.51	PASS
Middle CH	3.51	4.58	4.17	5.51	
Highest CH	3.16	4.55	4.23	5.51	



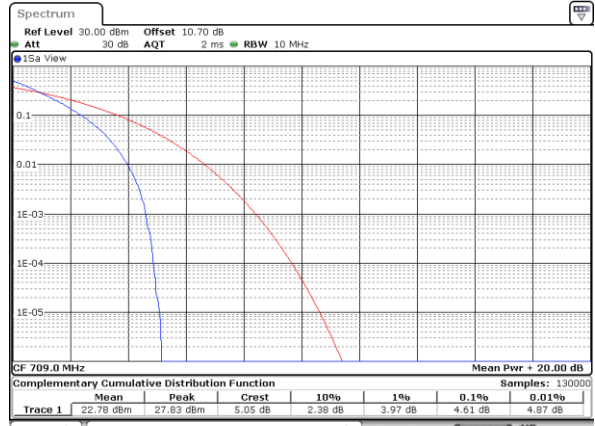
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



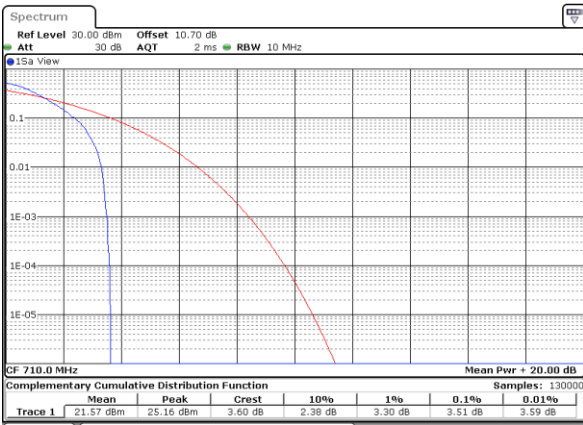
Date: 1 SEP 2017 23:08:54

Lowest Channel / Full RB



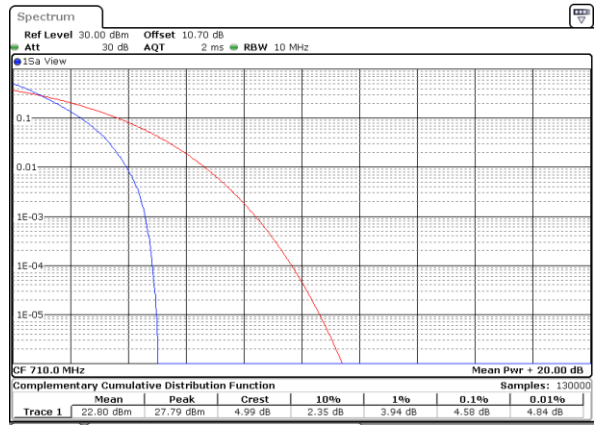
Date: 1 SEP 2017 23:10:28

Middle Channel / 1RB



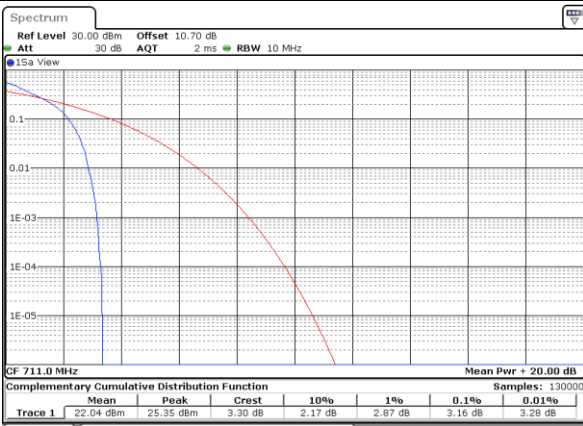
Date: 1 SEP 2017 23:11:04

Middle Channel / Full RB



Date: 1 SEP 2017 23:11:55

Highest Channel / 1RB



Date: 1 SEP 2017 23:12:04

Highest Channel / Full RB

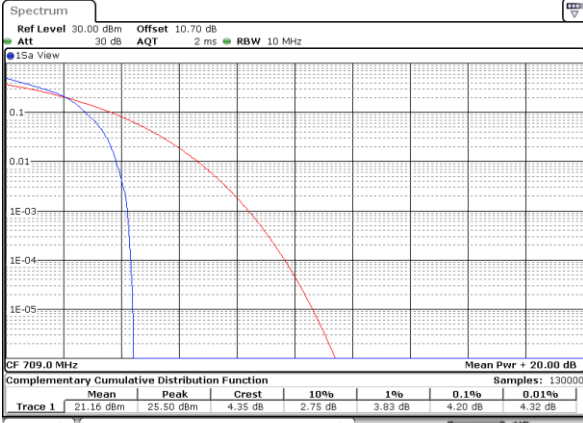


Date: 1 SEP 2017 23:19:11



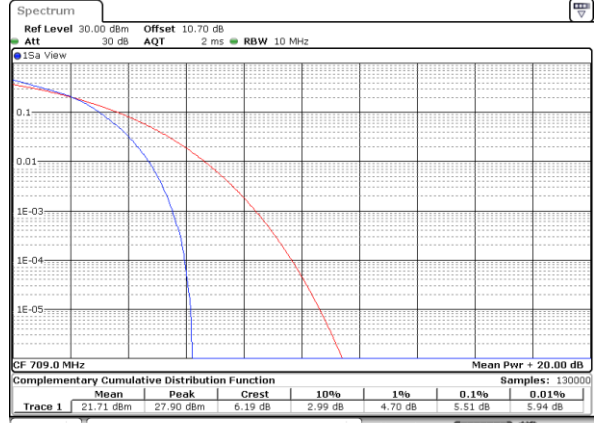
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



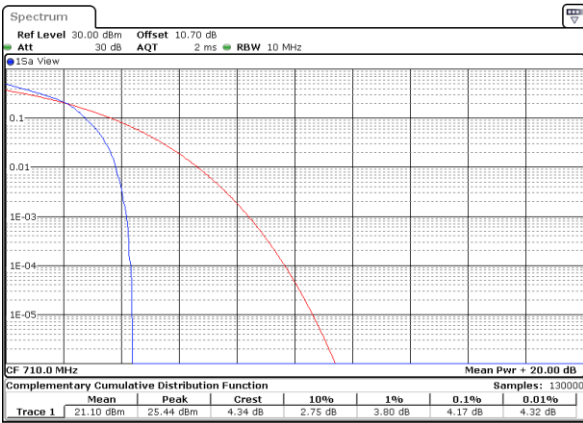
Date: 1 SEP 2017 22:52:10

Lowest Channel / Full RB



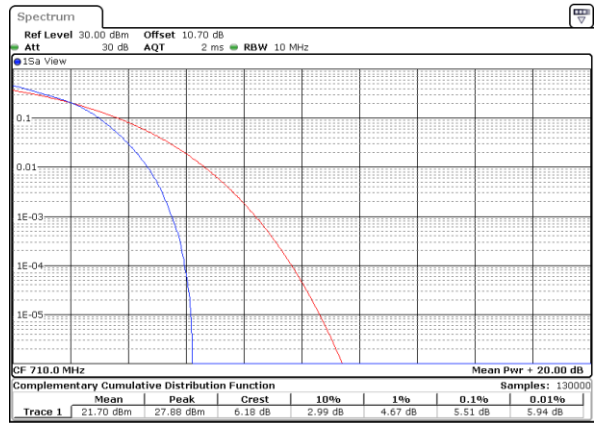
Date: 1 SEP 2017 22:52:18

Middle Channel / 1RB



Date: 1 SEP 2017 23:06:03

Middle Channel / Full RB



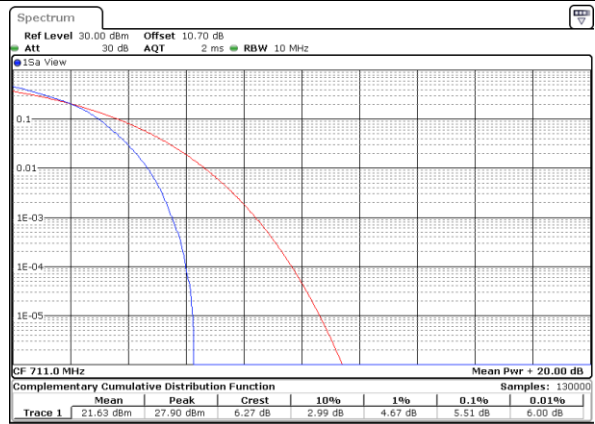
Date: 1 SEP 2017 23:07:00

Highest Channel / 1RB



Date: 1 SEP 2017 23:07:12

Highest Channel / Full RB



Date: 1 SEP 2017 23:08:22



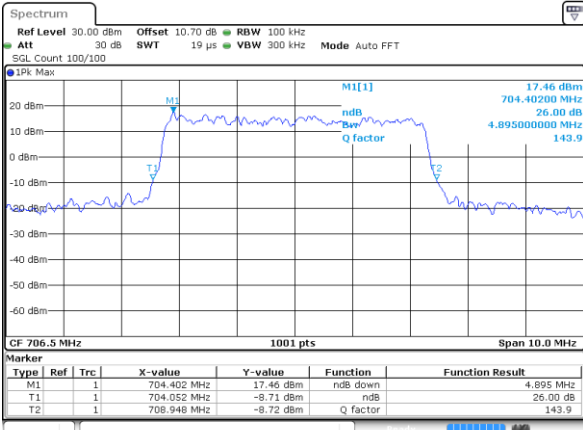
26dB Bandwidth

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	-	-	-	-	4.90	5.02	9.93	9.75	-	-	-	-
Middle CH	-	-	-	-	5.05	5.05	9.89	9.81	-	-	-	-
Highest CH	-	-	-	-	4.92	4.97	9.73	9.89	-	-	-	-



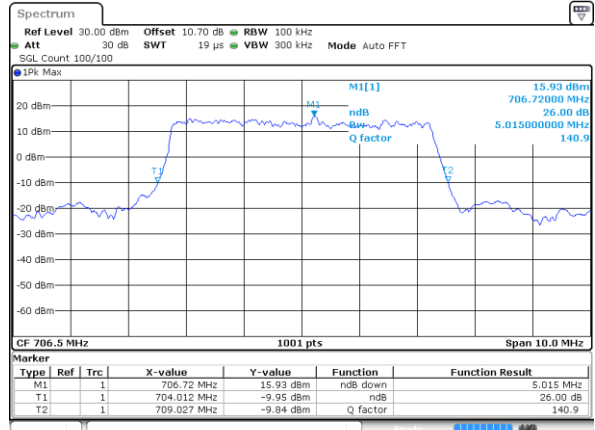
LTE Band 17

Lowest Channel / 5MHz / QPSK



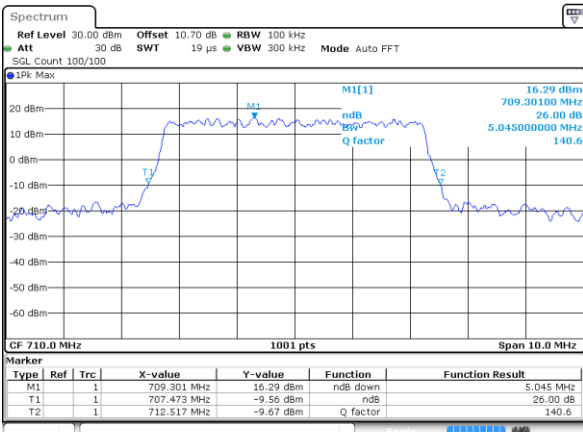
Date: 1 SEP 2017 21:50:50

Lowest Channel / 5MHz / 16QAM



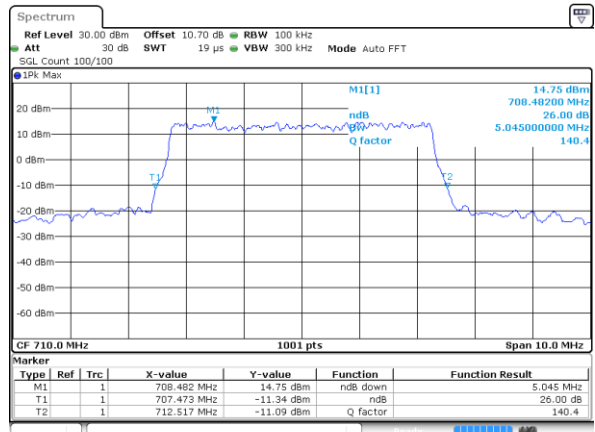
Date: 1 SEP 2017 21:51:00

Middle Channel / 5MHz / QPSK



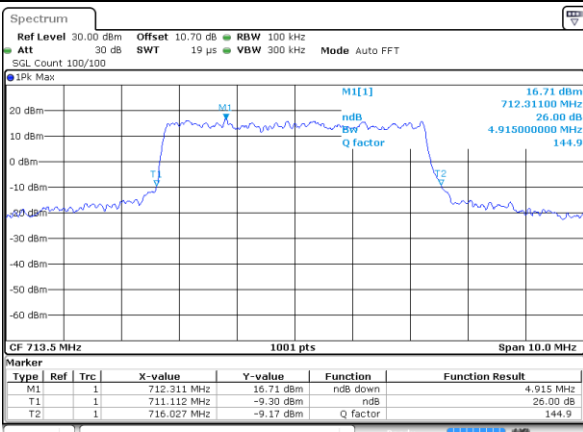
Date: 1 SEP 2017 21:57:52

Middle Channel / 5MHz / 16QAM



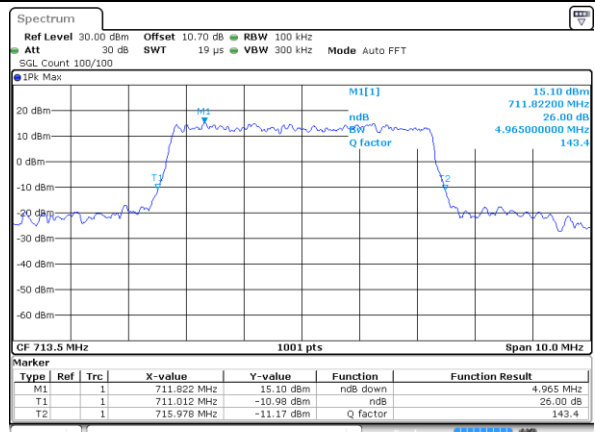
Date: 1 SEP 2017 21:58:02

Highest Channel / 5MHz / QPSK



Date: 1 SEP 2017 22:00:20

Highest Channel / 5MHz / 16QAM

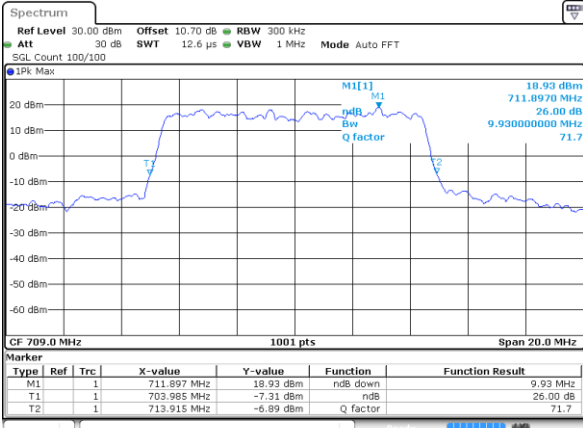


Date: 1 SEP 2017 22:00:30

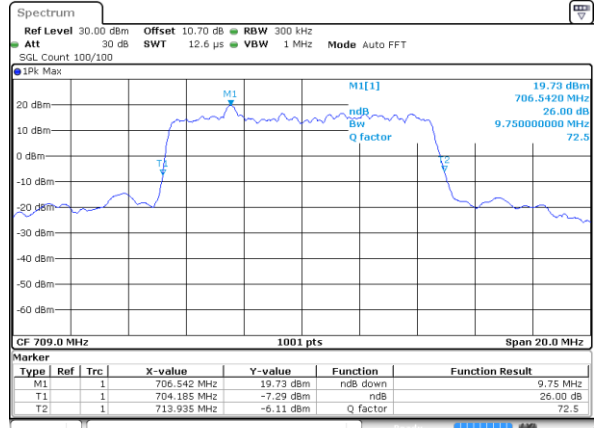


LTE Band 17

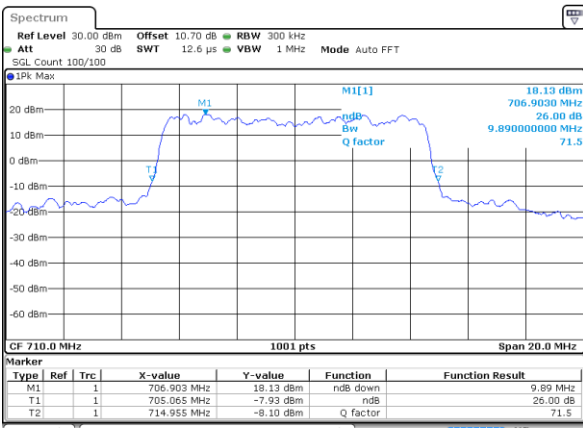
Lowest Channel / 10MHz / QPSK



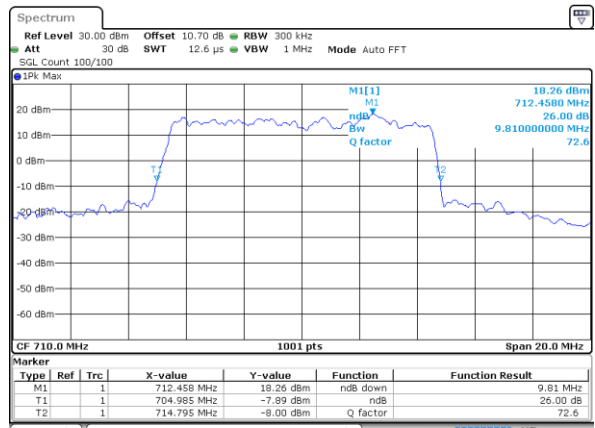
Lowest Channel / 10MHz / 16QAM



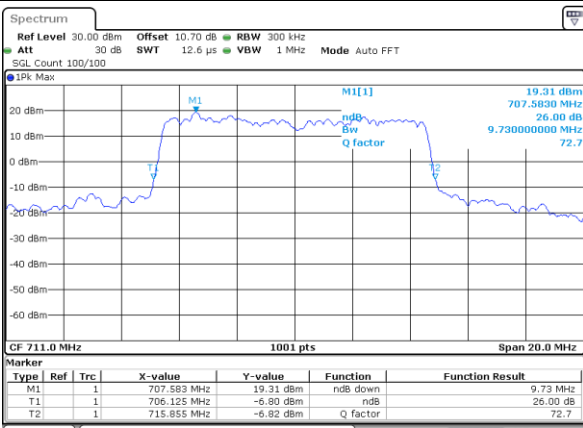
Middle Channel / 10MHz / QPSK



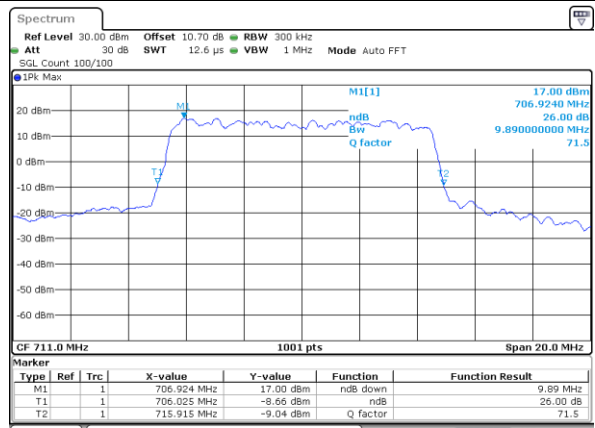
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





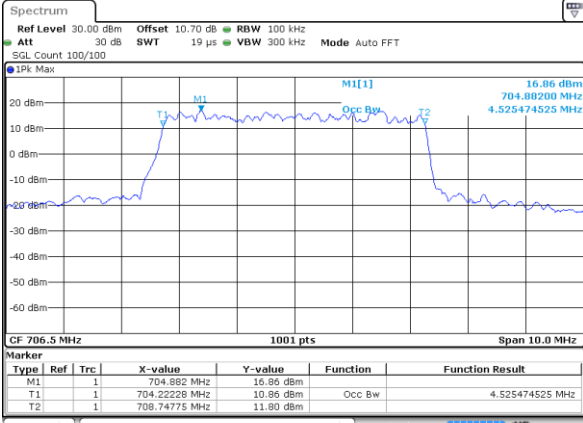
Occupied Bandwidth

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
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.53	4.5	9.07	9.07	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	9.01	9.01	-	-	-	-
Highest CH	-	-	-	-	4.5	4.52	9.03	9.03	-	-	-	-



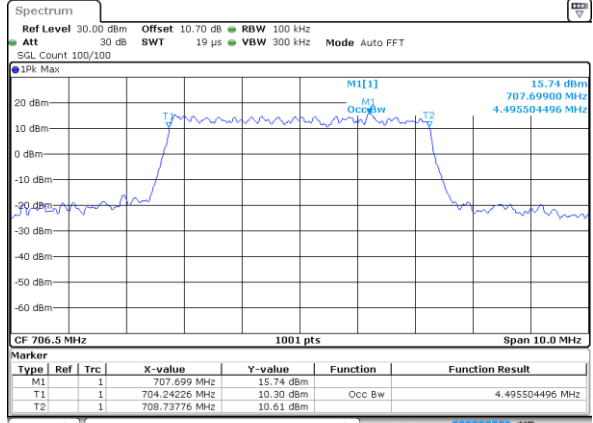
LTE Band 17

Lowest Channel / 5MHz / QPSK



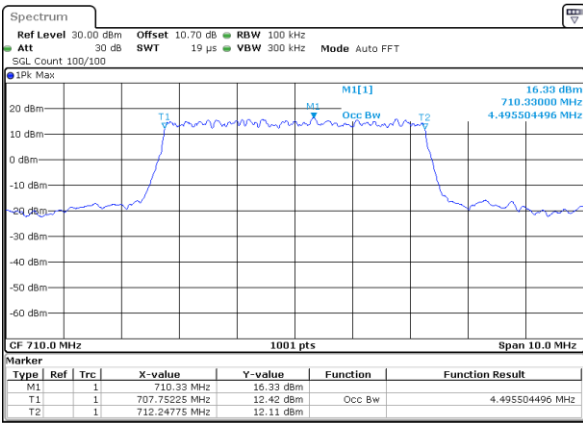
Date: 1 SEP 2017 21:50:30

Lowest Channel / 5MHz / 16QAM



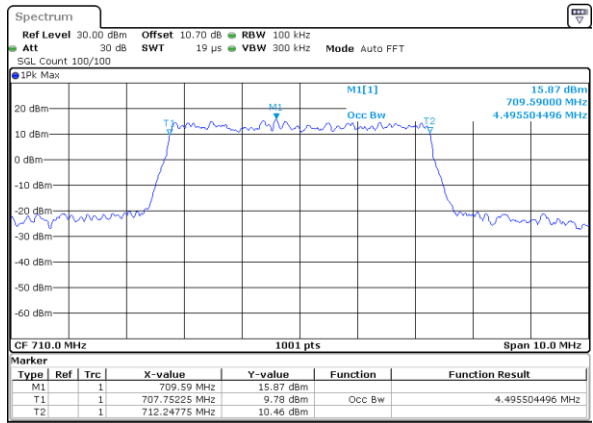
Date: 1 SEP 2017 21:50:40

Middle Channel / 5MHz / QPSK



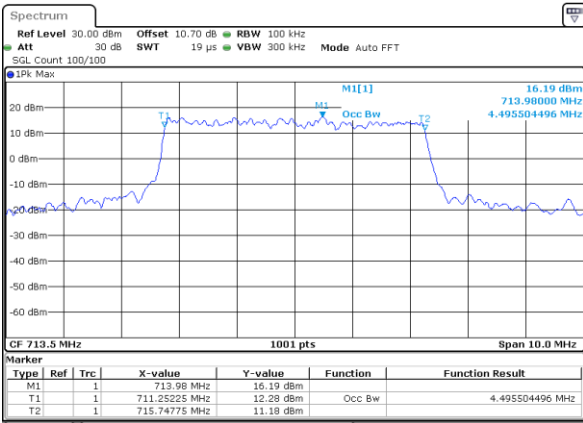
Date: 1 SEP 2017 21:57:32

Middle Channel / 5MHz / 16QAM



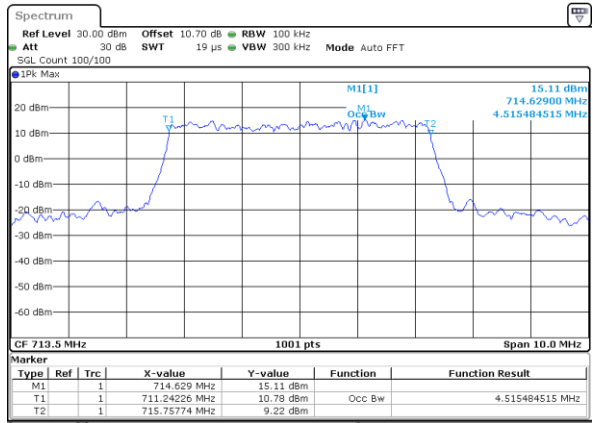
Date: 1 SEP 2017 21:57:42

Highest Channel / 5MHz / QPSK



Date: 1 SEP 2017 22:00:00

Highest Channel / 5MHz / 16QAM

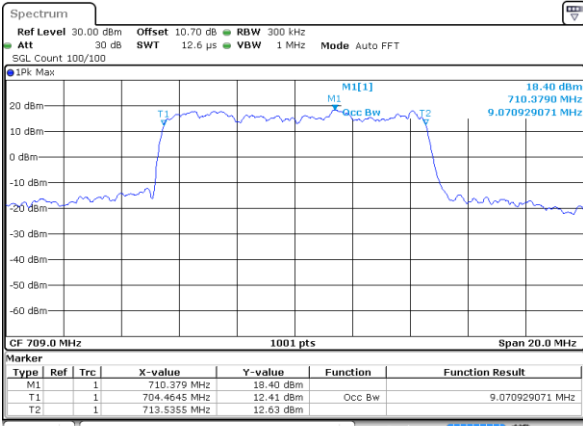


Date: 1 SEP 2017 22:00:10



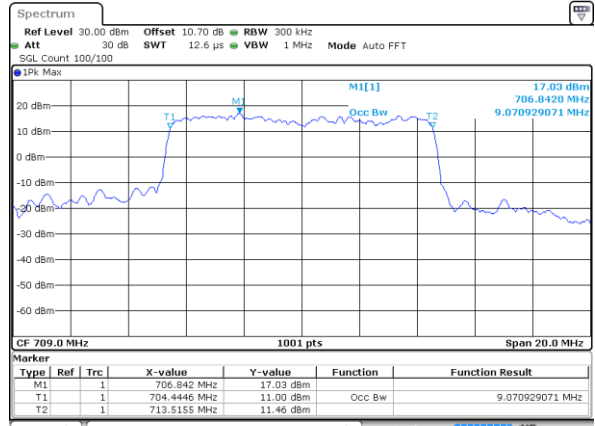
LTE Band 17

Lowest Channel / 10MHz / QPSK



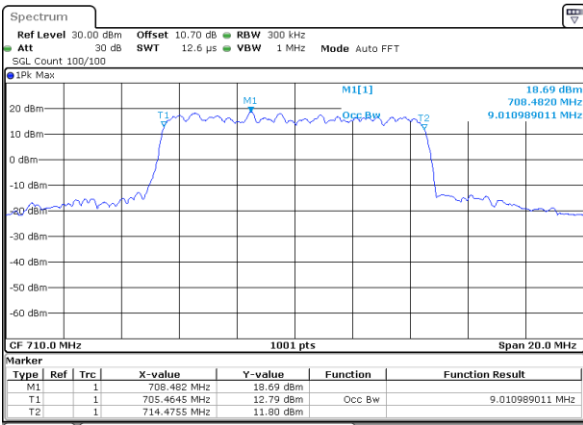
Date: 1 SEP 2017 22:07:02

Lowest Channel / 10MHz / 16QAM



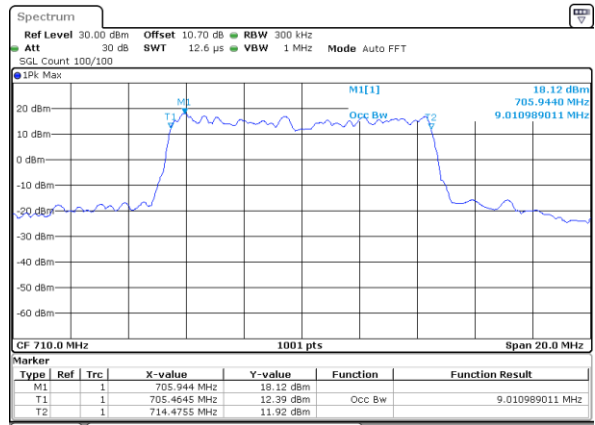
Date: 1 SEP 2017 22:07:12

Middle Channel / 10MHz / QPSK



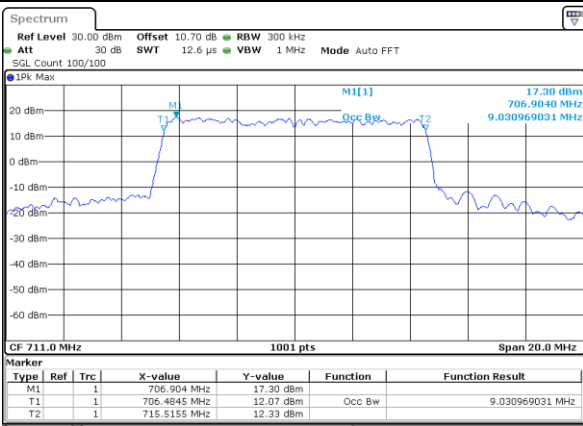
Date: 1 SEP 2017 22:14:05

Middle Channel / 10MHz / 16QAM



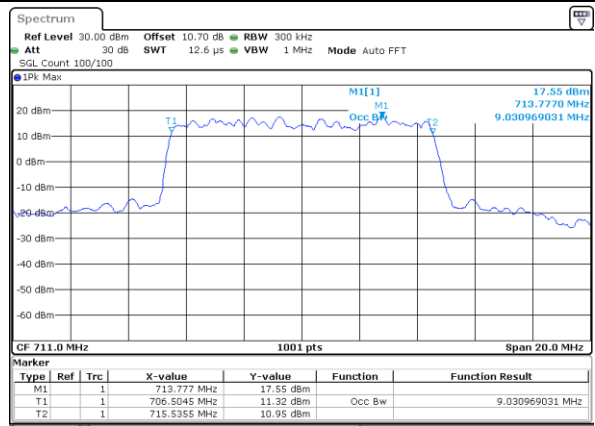
Date: 1 SEP 2017 22:14:15

Highest Channel / 10MHz / QPSK



Date: 1 SEP 2017 22:16:32

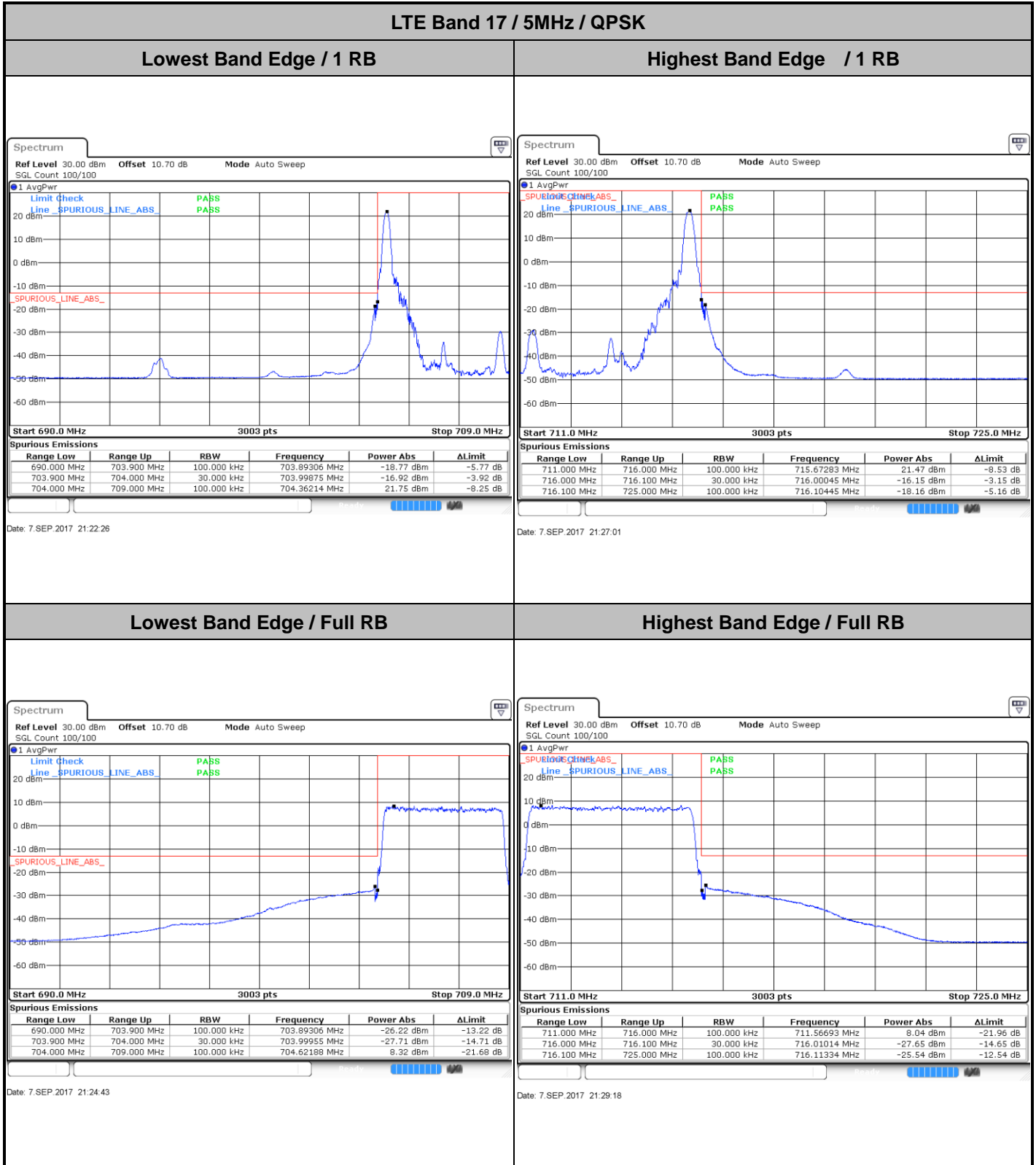
Highest Channel / 10MHz / 16QAM



Date: 1 SEP 2017 22:16:42



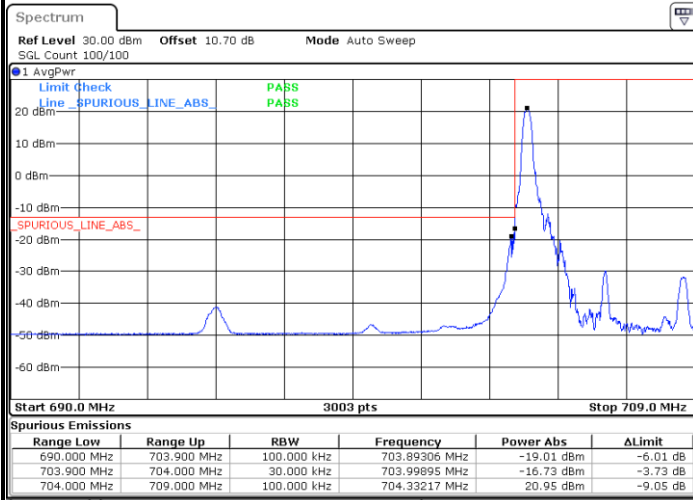
Conducted Band Edge





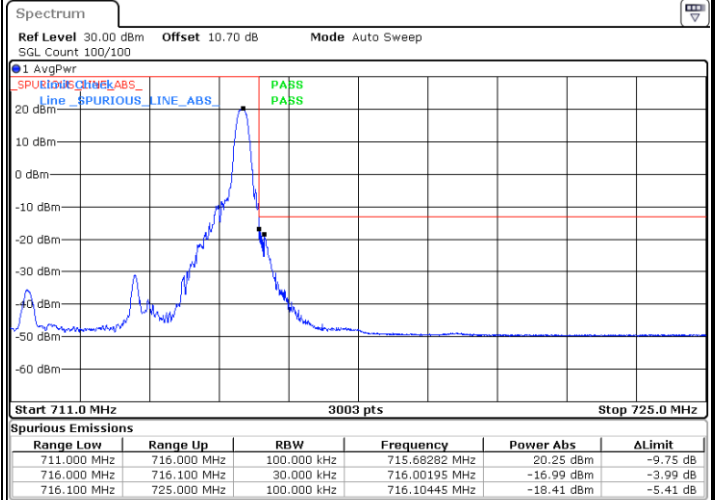
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



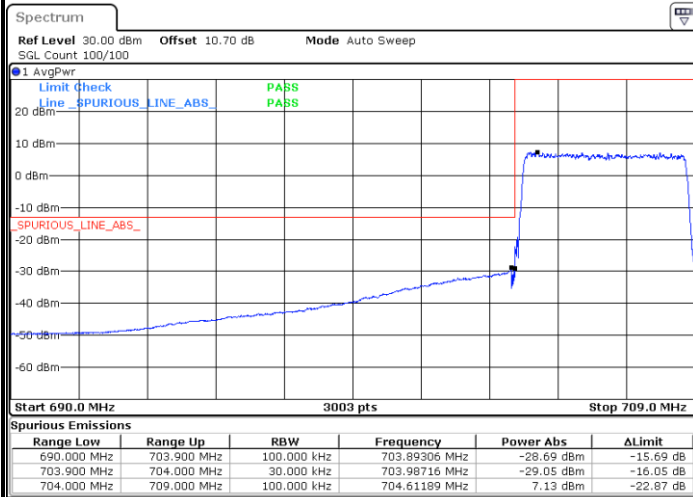
Date: 7 SEP.2017 21:23:35

Highest Band Edge / 1 RB



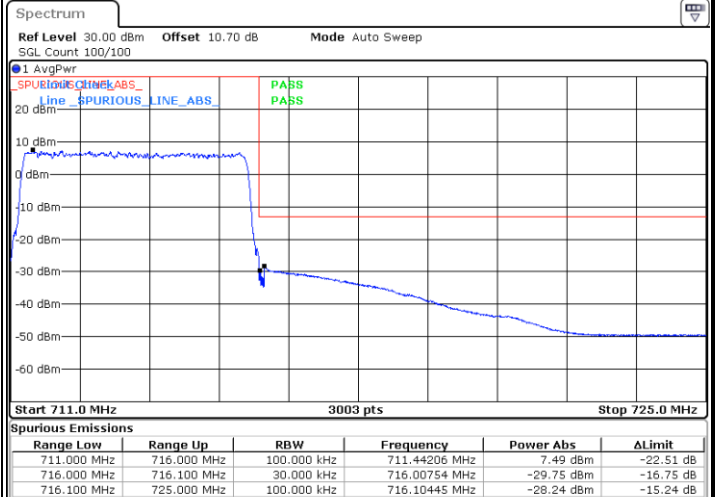
Date: 7 SEP.2017 21:28:10

Lowest Band Edge / Full RB



Date: 7 SEP.2017 21:25:52

Highest Band Edge / Full RB

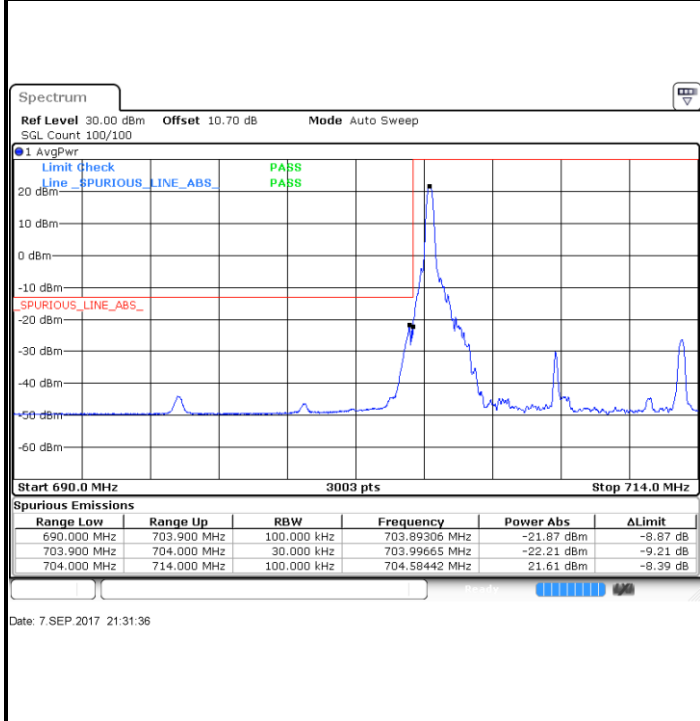


Date: 7 SEP.2017 21:30:27

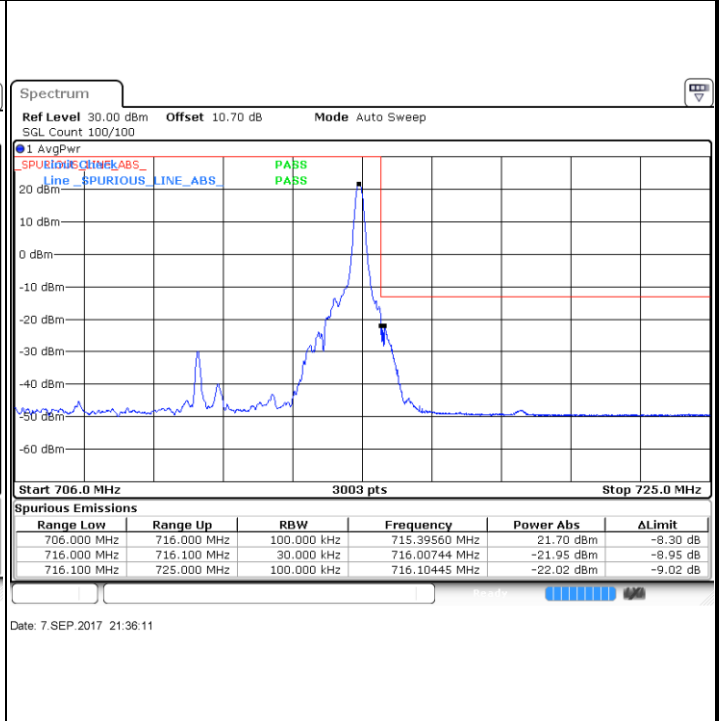


LTE Band 17 / 10MHz / QPSK

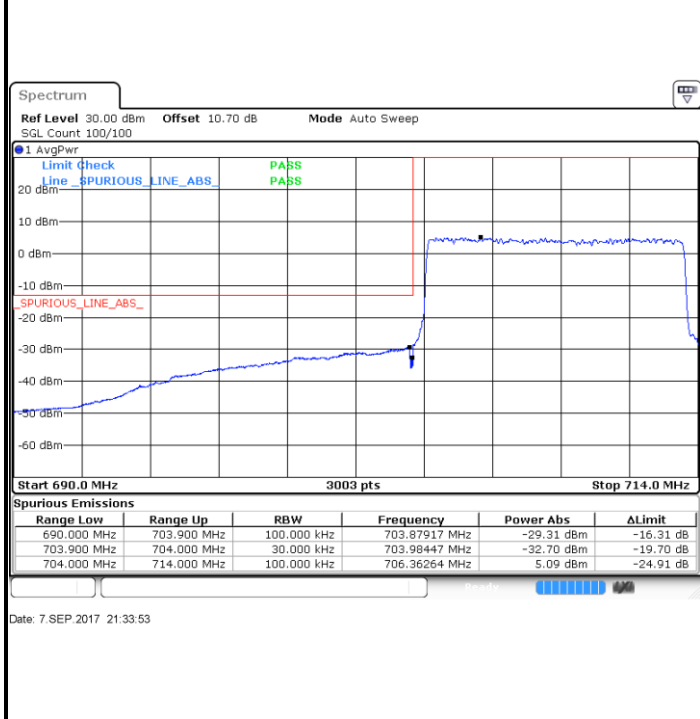
Lowest Band Edge / 1 RB



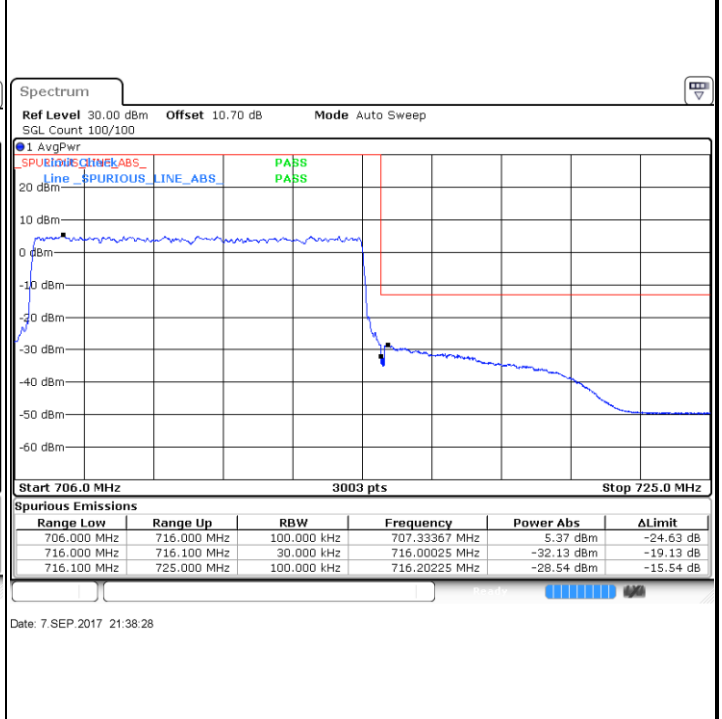
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



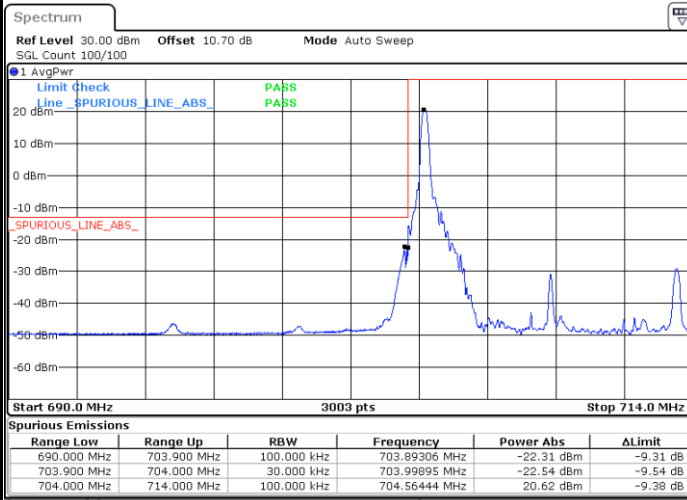
Highest Band Edge / Full RB





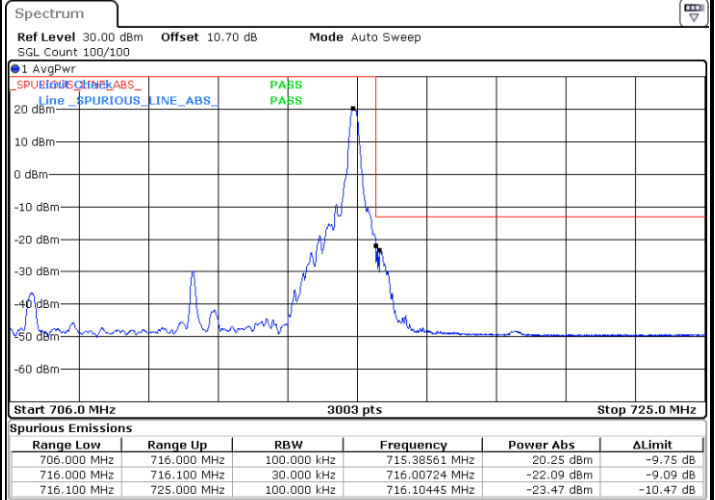
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



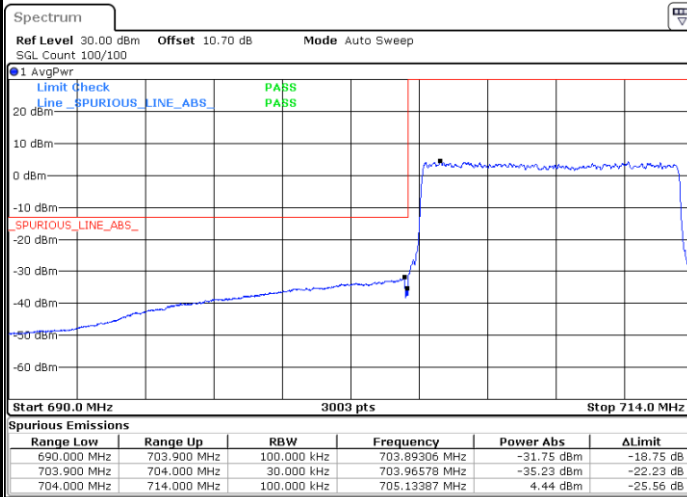
Date: 7 SEP.2017 21:32:44

Highest Band Edge / 1 RB



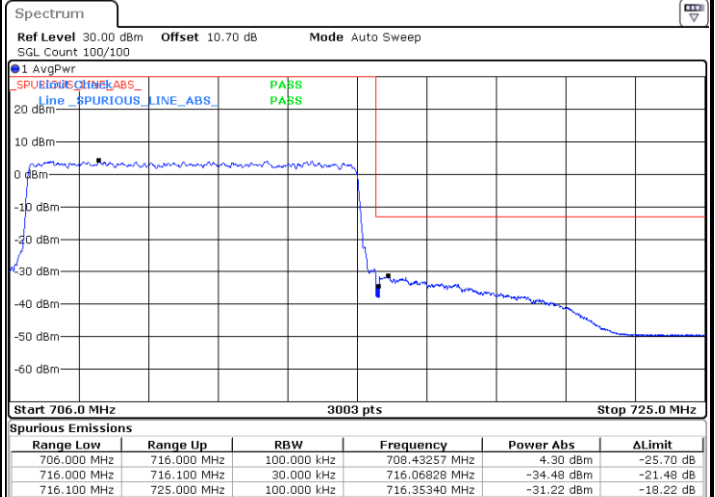
Date: 7 SEP.2017 21:37:19

Lowest Band Edge / Full RB



Date: 7 SEP.2017 21:35:02

Highest Band Edge / Full RB



Date: 7 SEP.2017 21:39:37



Conducted Spurious Emission

