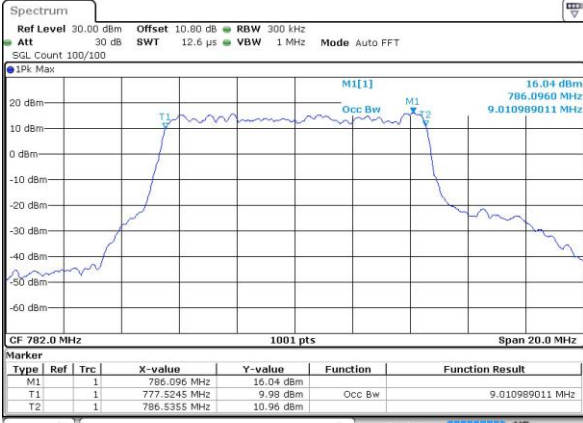




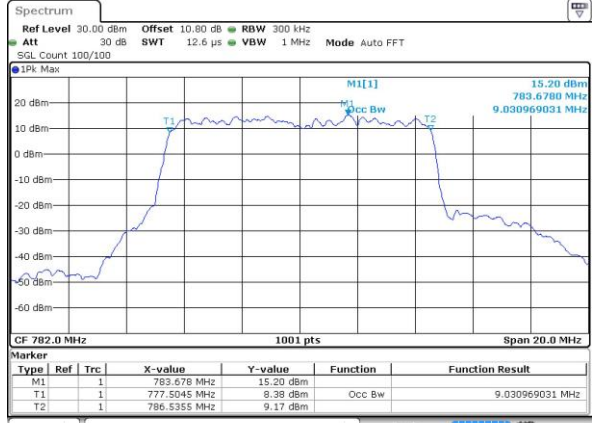
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 22 JUN 2017 23:41:36

Middle Channel / 10MHz / 16QAM



Date: 22 JUN 2017 23:41:46



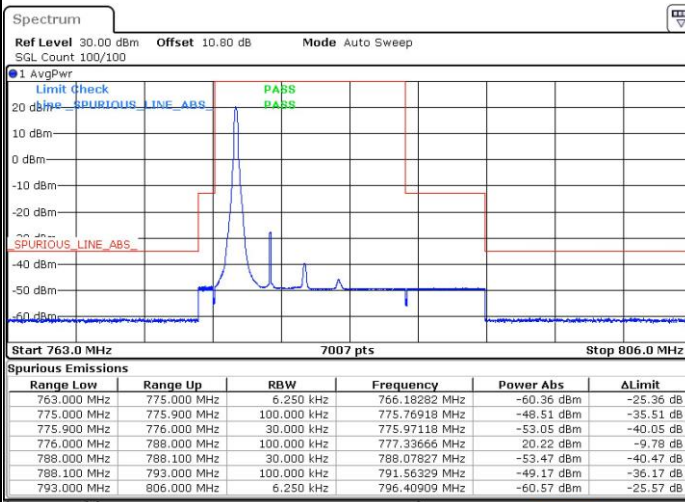
Conducted Band Edge



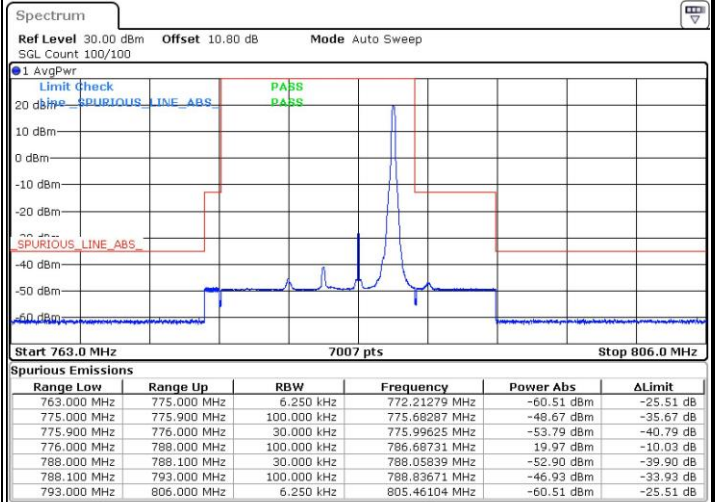
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



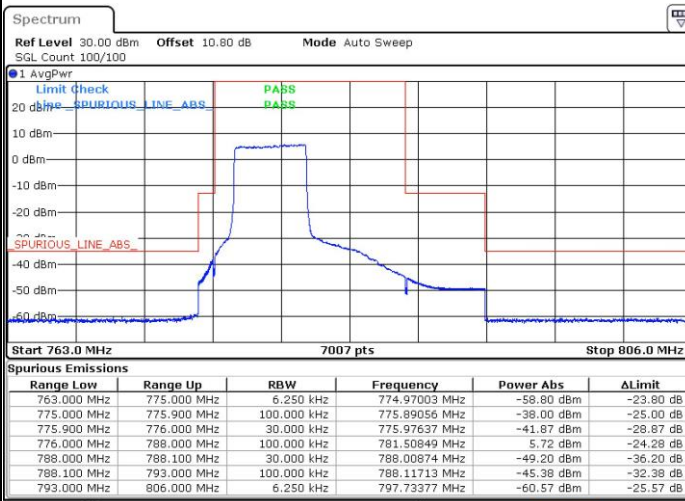
Date: 23 JUN 2017 01:16:22



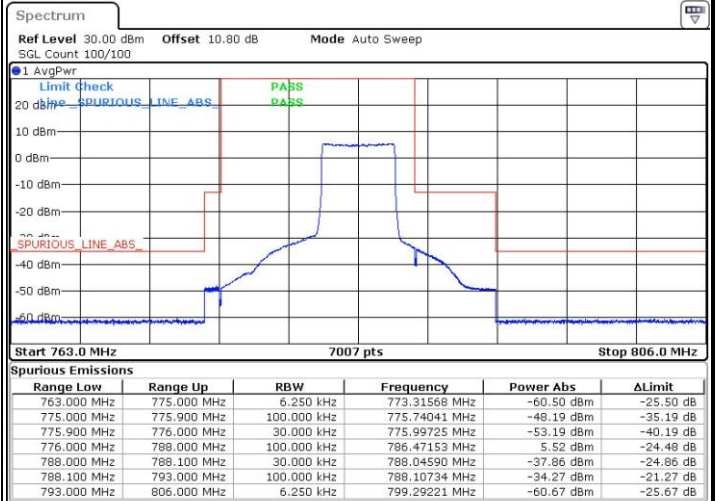
Date: 22 JUN 2017 23:38:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2017 23:20:43



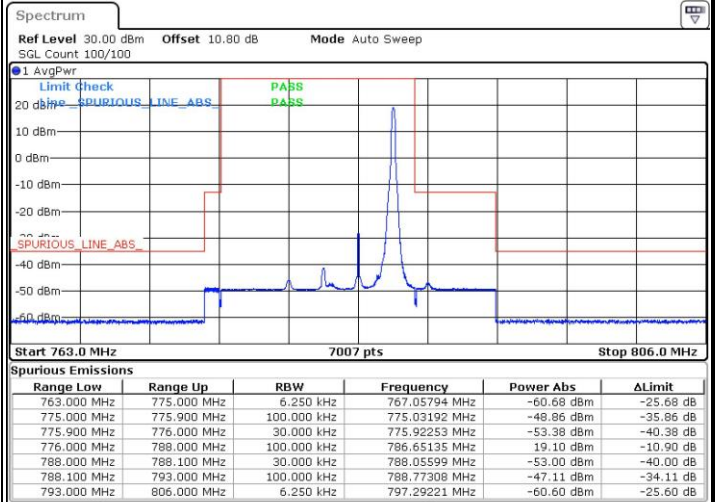
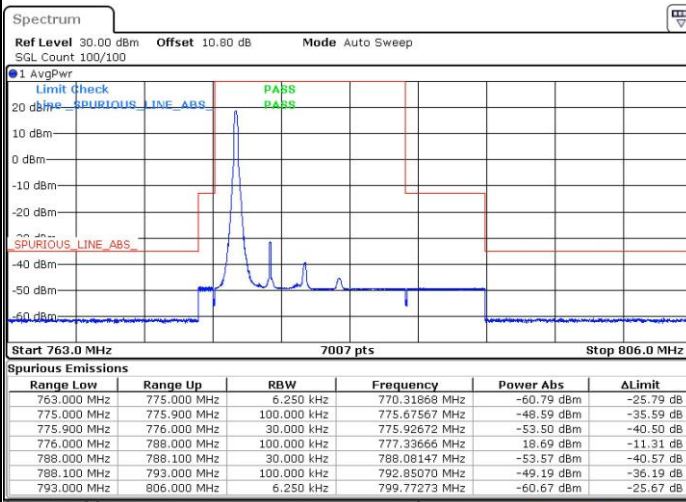
Date: 22 JUN 2017 23:33:03



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

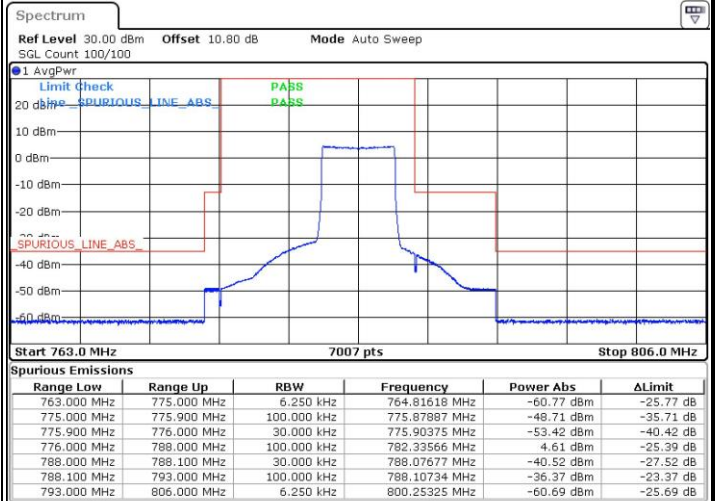
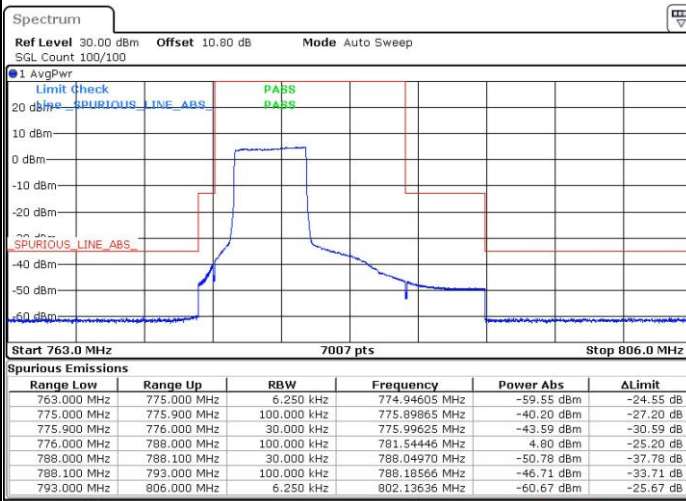


Date: 22 JUN 2017 23:24:02

Date: 22 JUN 2017 23:36:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2017 23:22:23

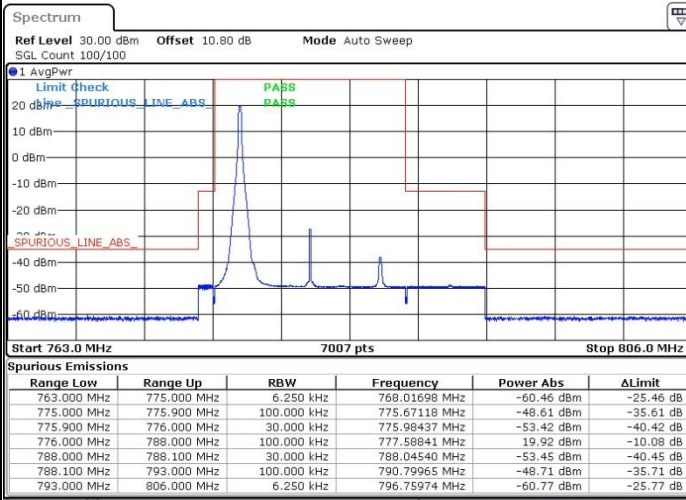
Date: 22 JUN 2017 23:34:42



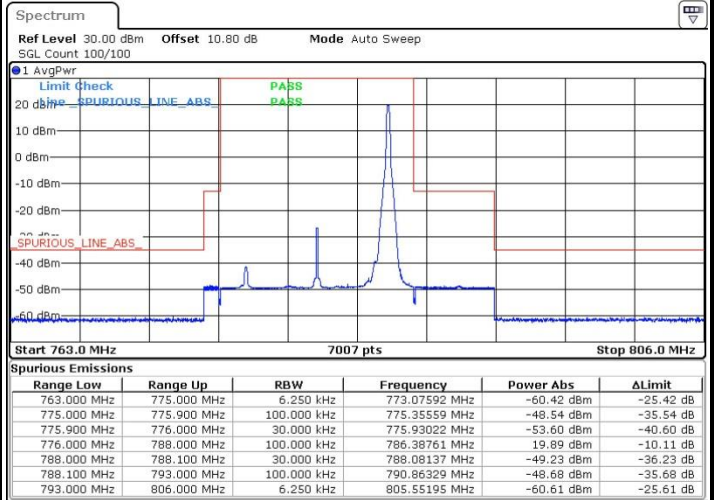
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

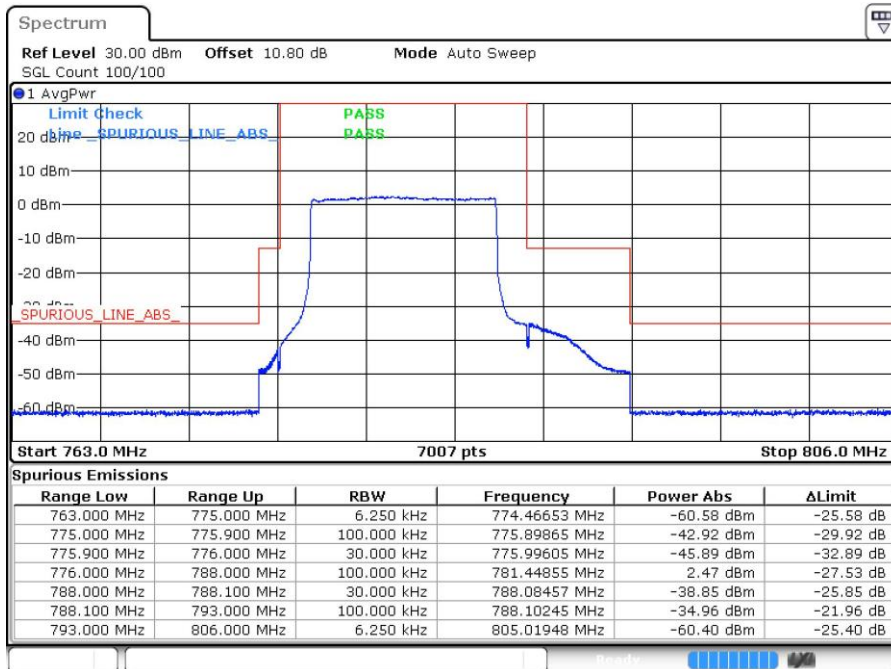


Date: 22 JUN 2017 23:48:44



Date: 22 JUN 2017 23:50:24

Band Edge / Full RB



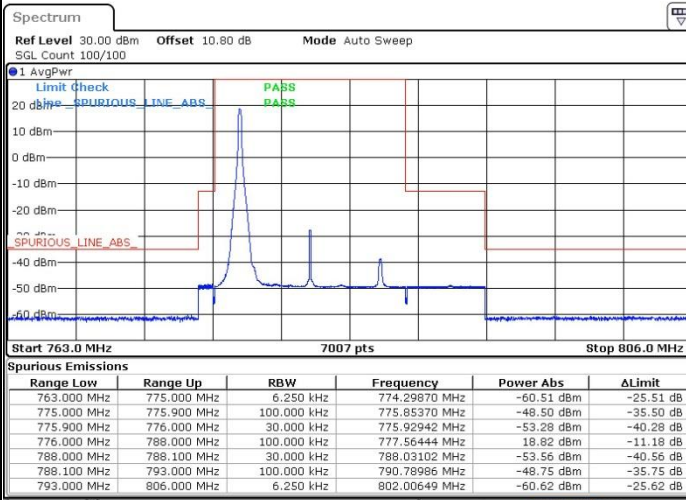
Date: 22 JUN 2017 23:43:46



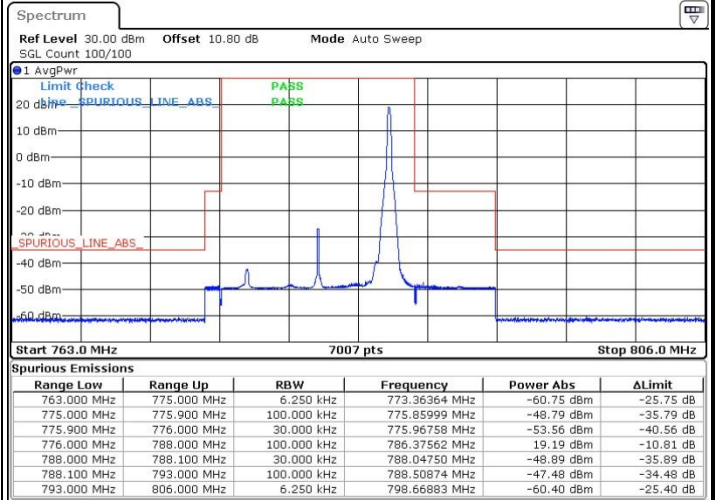
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

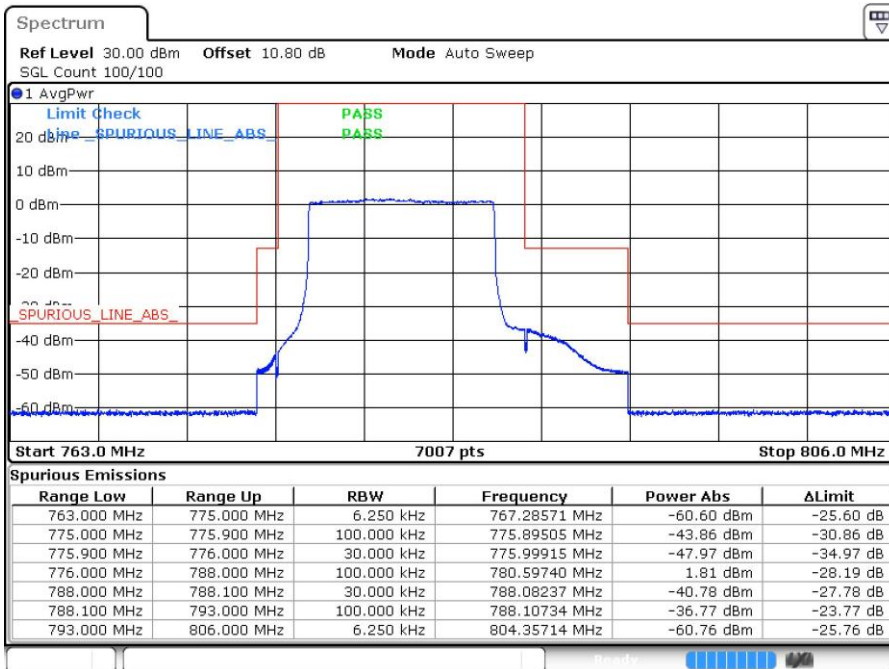


Date: 22 JUN 2017 23:47:05



Date: 22 JUN 2017 23:52:03

Band Edge / Full RB



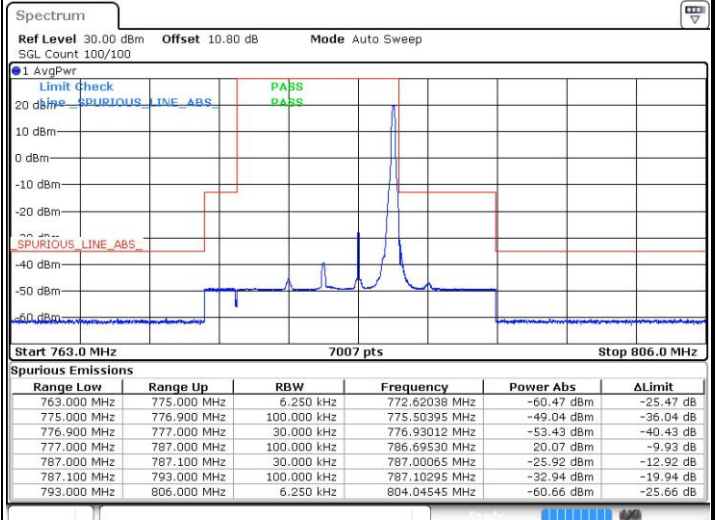
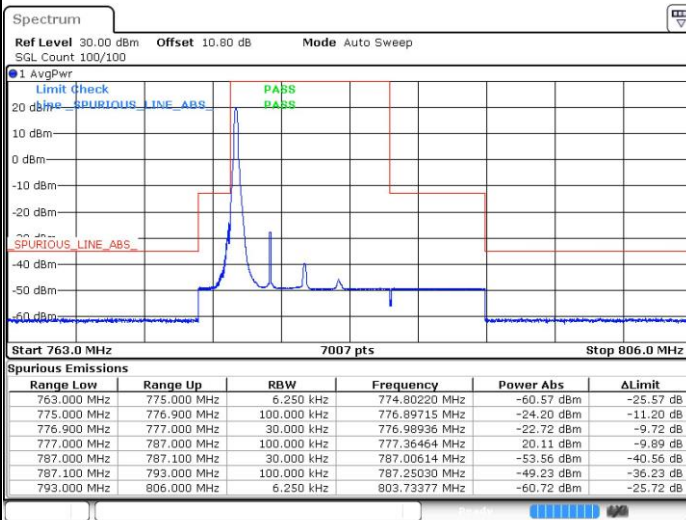
Date: 22 JUN 2017 23:45:25



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

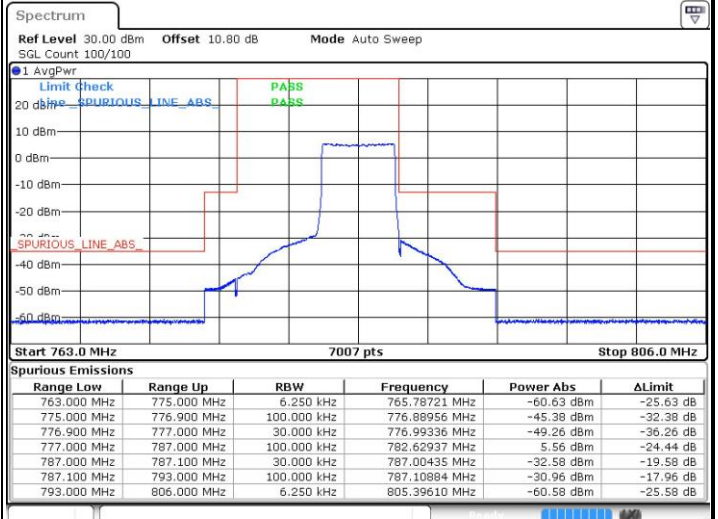
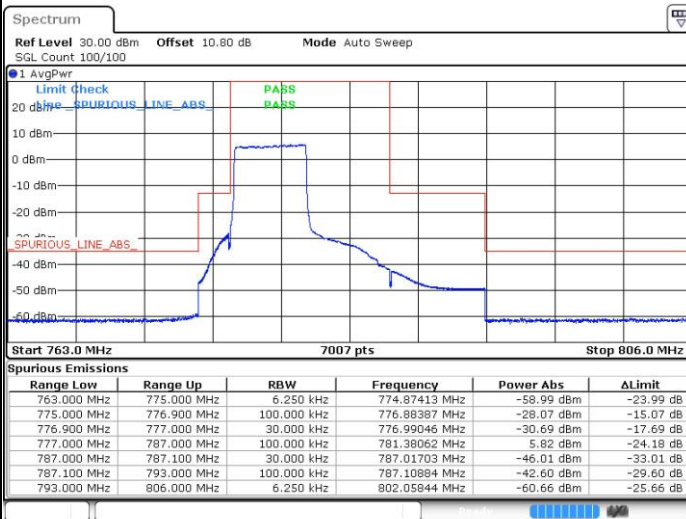


Date: 23 JUN 2017 00:57:56

Date: 23 JUN 2017 01:04:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 JUN 2017 00:52:58

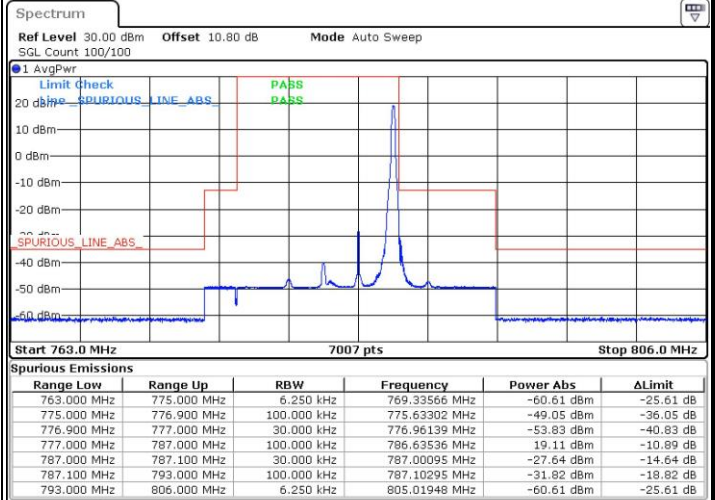
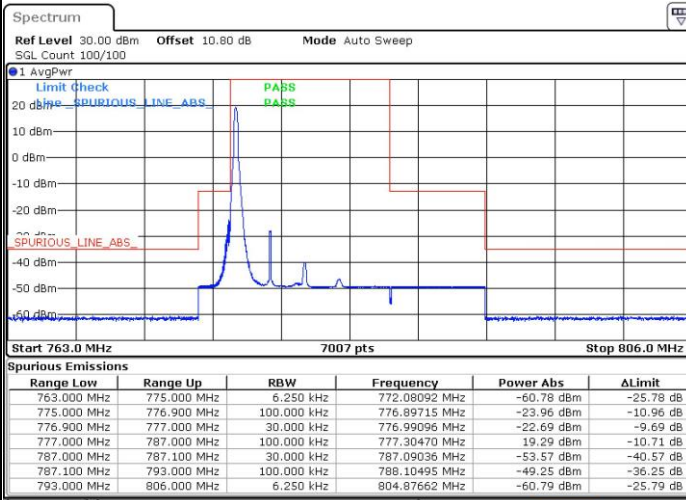
Date: 23 JUN 2017 00:59:35



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

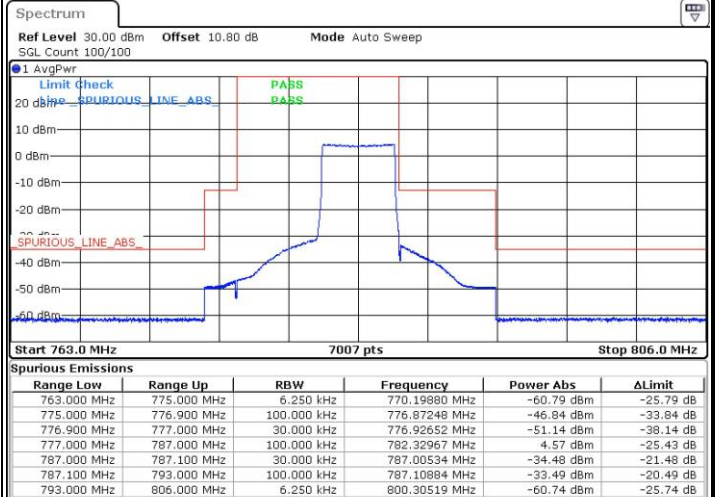
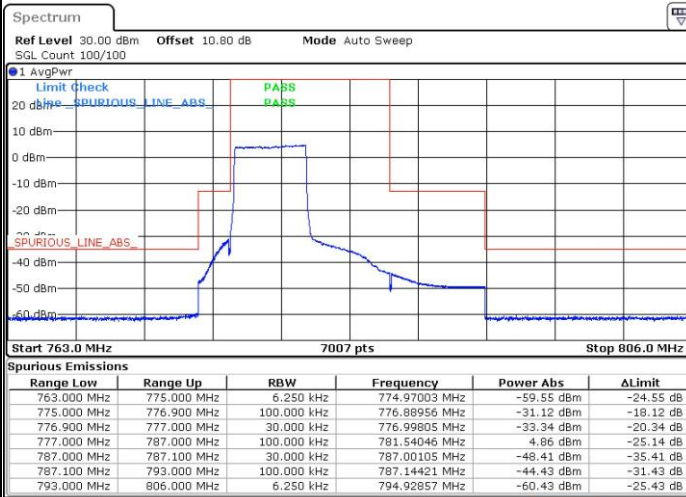


Date: 23 JUN 2017 00:56:16

Date: 23 JUN 2017 01:02:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 JUN 2017 00:54:37

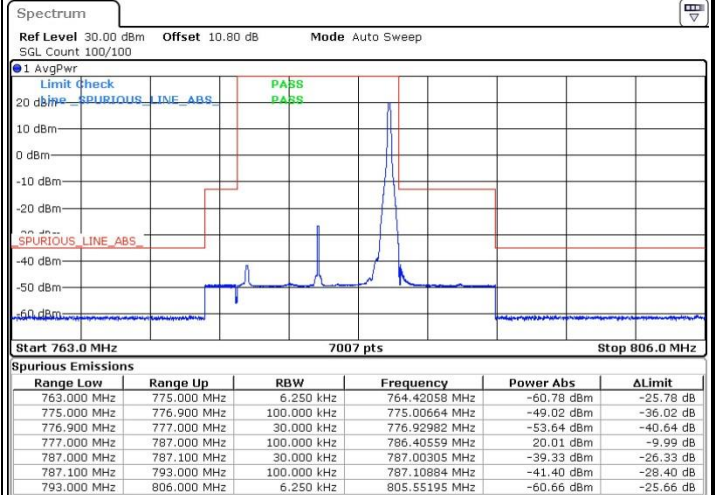
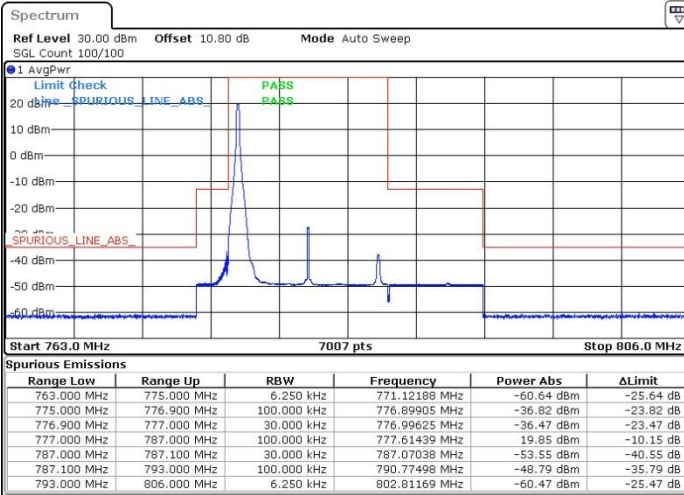
Date: 23 JUN 2017 01:01:15



IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

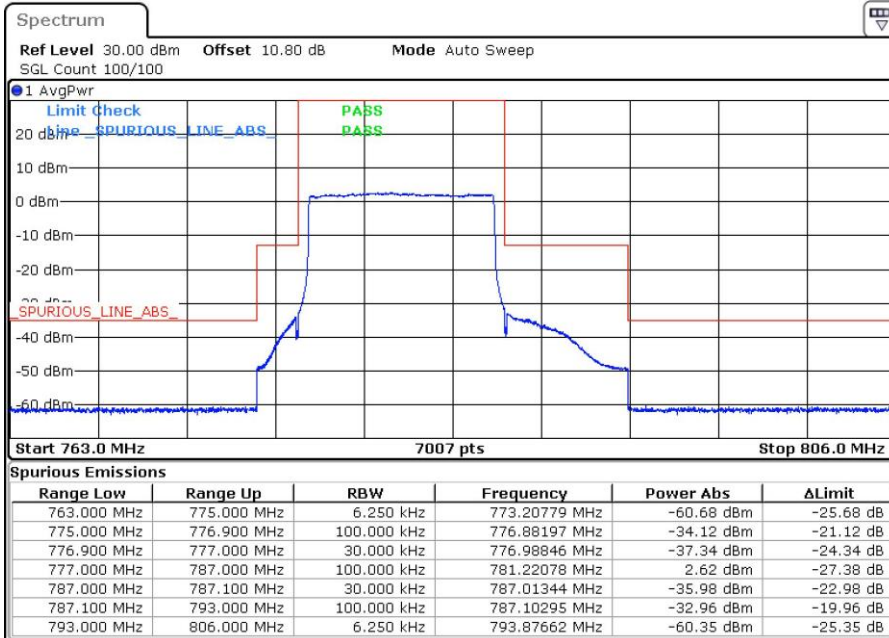
Highest Band Edge / 1 RB



Date: 23 JUN 2017 01:11:11

Date: 23 JUN 2017 01:12:50

Band Edge / Full RB

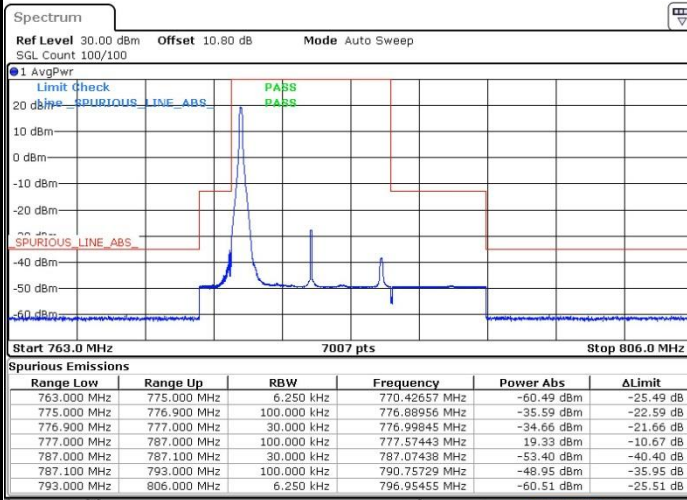


Date: 23 JUN 2017 01:06:13



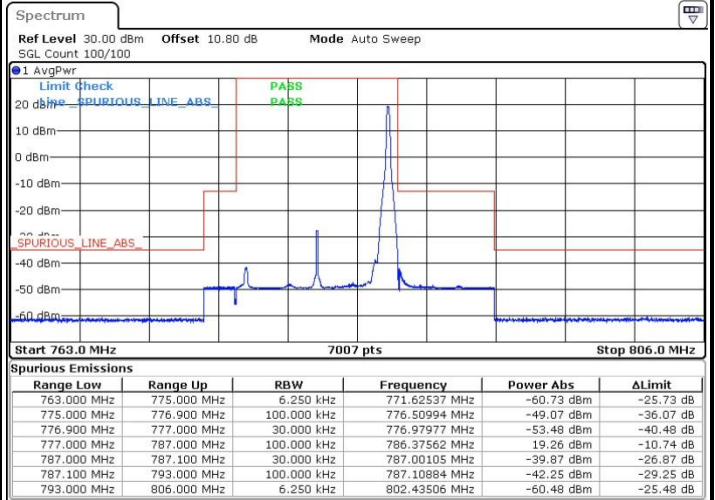
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



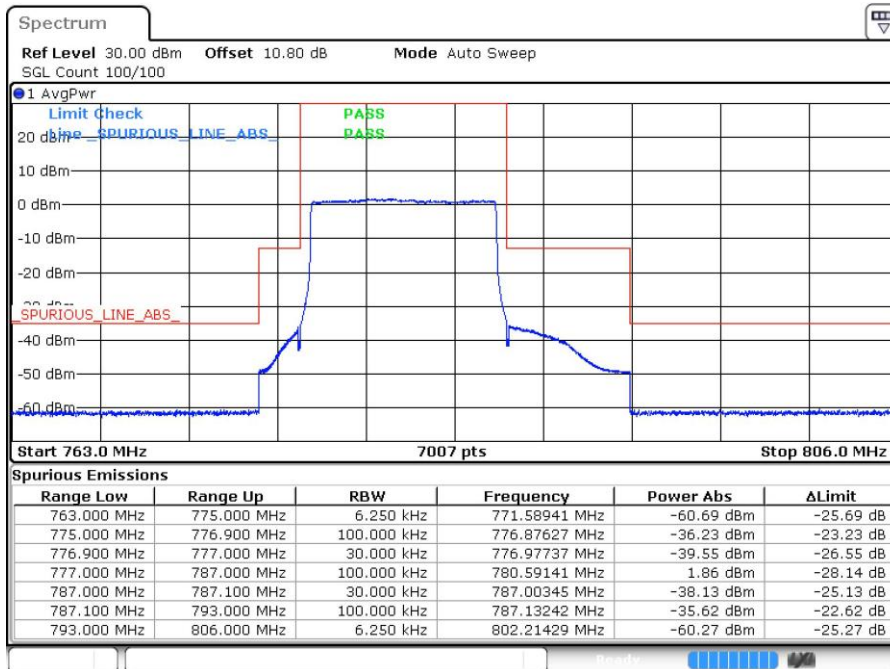
Date: 23 JUN 2017 01:09:31

Highest Band Edge / 1 RB



Date: 23 JUN 2017 01:14:29

Band Edge / Full RB



Date: 23 JUN 2017 01:07:52



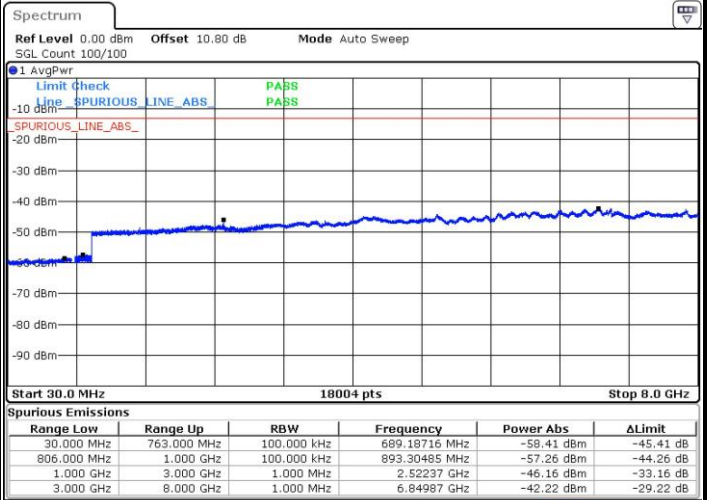
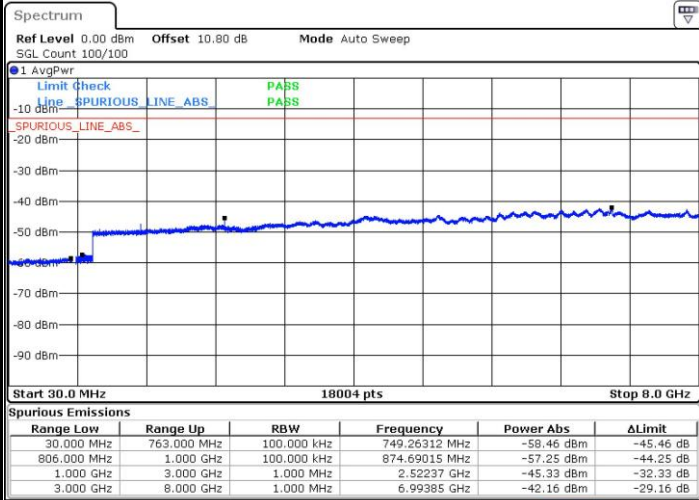
Conducted Spurious Emission



LTE Band 13 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

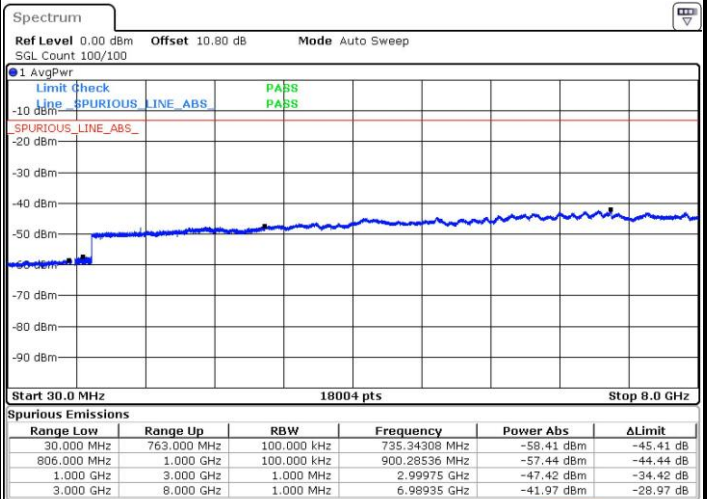
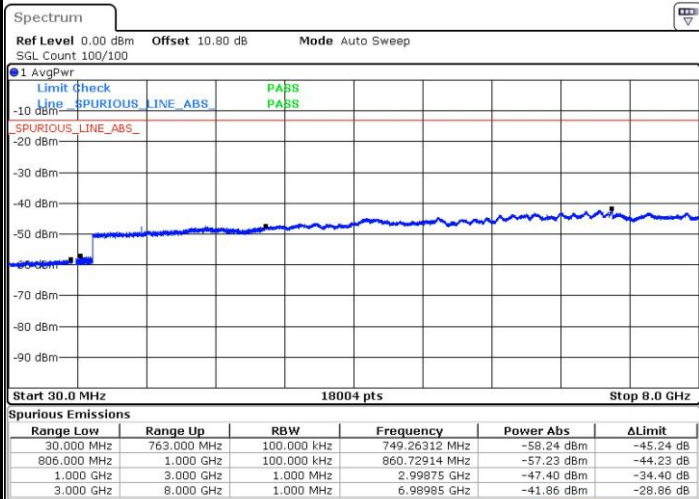


Date: 22 JUN 2017 23:27:19

Date: 22 JUN 2017 23:28:13

Middle Channel / QPSK

Middle Channel / 16QAM



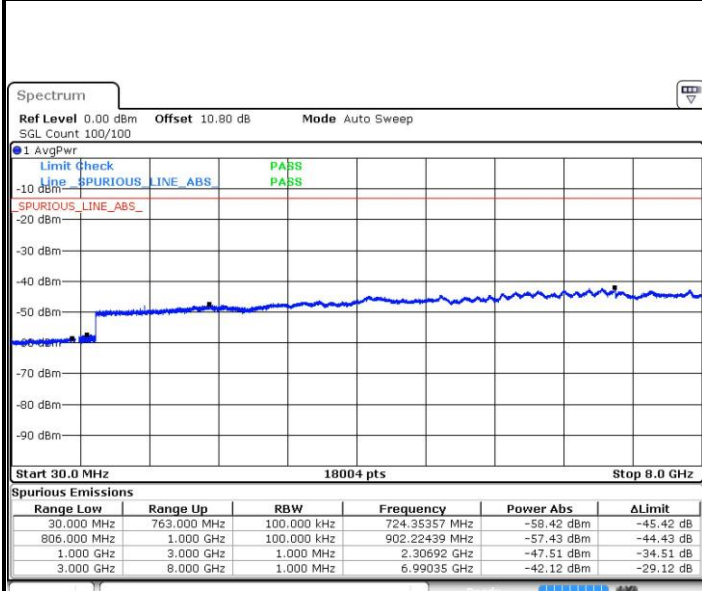
Date: 22 JUN 2017 23:30:01

Date: 22 JUN 2017 23:29:07



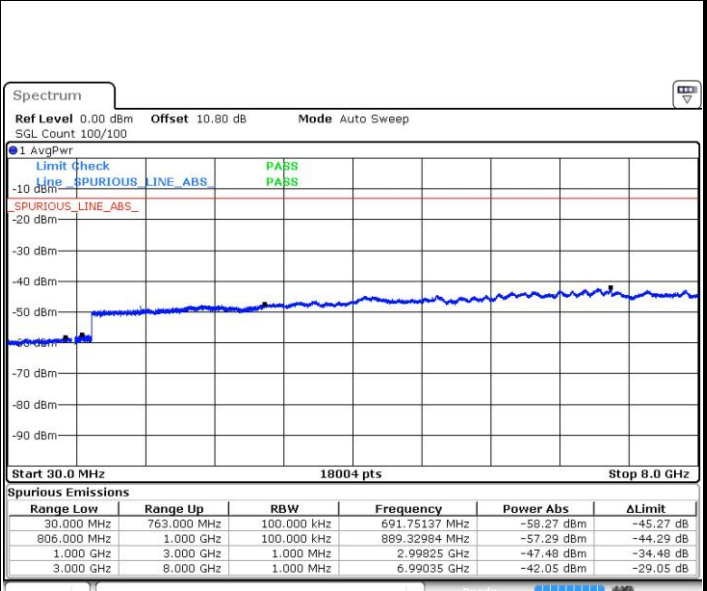
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 22 JUN 2017 23:40:32

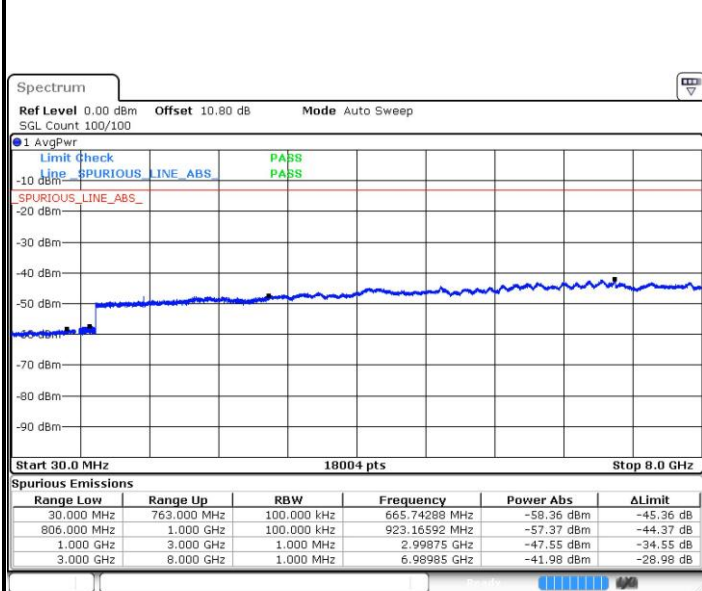
Highest Channel / 16QAM



Date: 22 JUN 2017 23:41:26

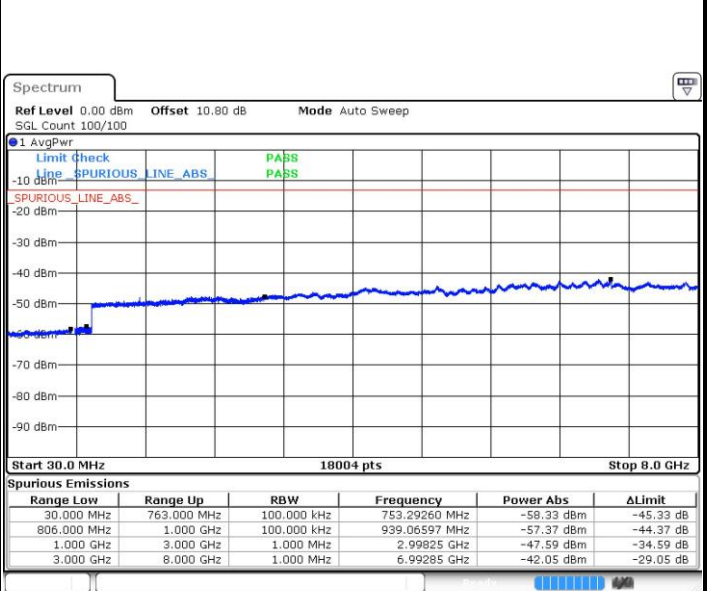
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 22 JUN 2017 23:53:52

Middle Channel / 16QAM



Date: 22 JUN 2017 23:52:58



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	0.0027	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0088	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0079	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

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	4.93	5.13	5.94	PASS
Middle CH	4.72	4.84	5.91	5.83	
Highest CH	4.78	4.75	5.8	5.68	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



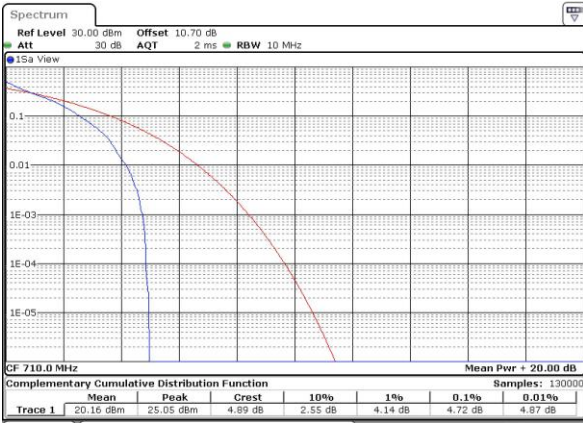
Date: 19 JUN 2017 22:46:54

Lowest Channel / Full RB



Date: 19 JUN 2017 22:47:04

Middle Channel / 1RB



Date: 19 JUN 2017 22:47:14

Middle Channel / Full RB



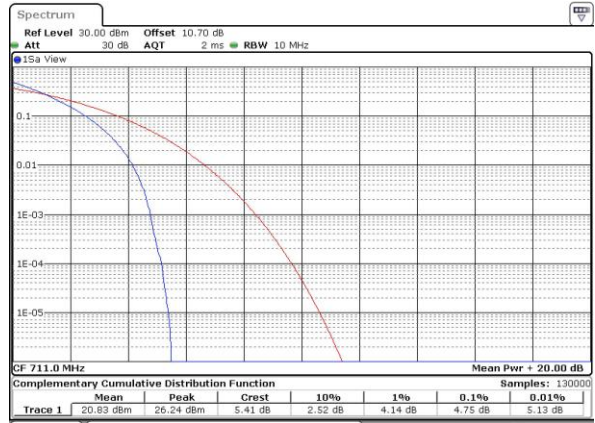
Date: 19 JUN 2017 22:47:25

Highest Channel / 1RB



Date: 19 JUN 2017 22:47:35

Highest Channel / Full RB

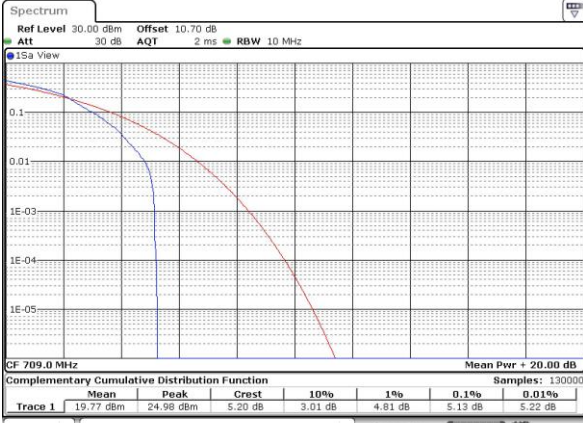


Date: 19 JUN 2017 22:47:44



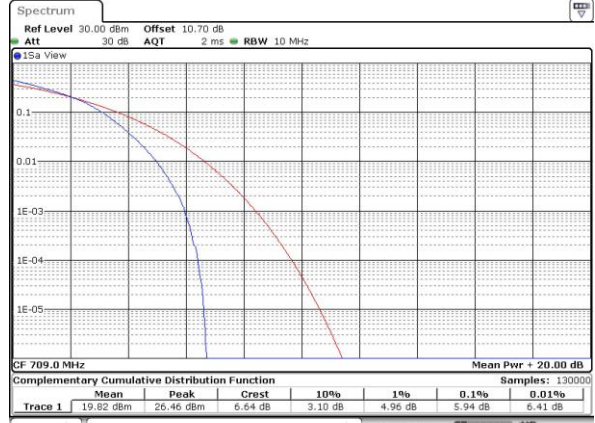
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



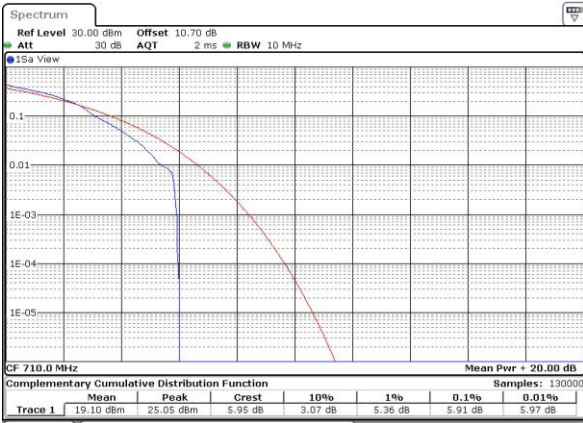
Date: 19 JUN 2017 22:45:29

Lowest Channel / Full RB



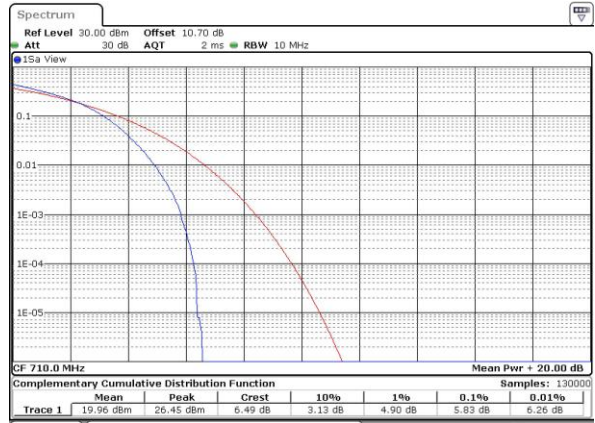
Date: 19 JUN 2017 22:45:54

Middle Channel / 1RB



Date: 19 JUN 2017 22:46:14

Middle Channel / Full RB



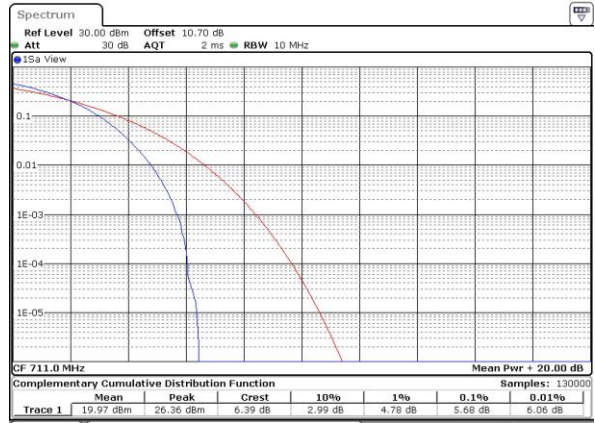
Date: 19 JUN 2017 22:46:25

Highest Channel / 1RB



Date: 19 JUN 2017 22:46:34

Highest Channel / Full RB



Date: 19 JUN 2017 22:46:44



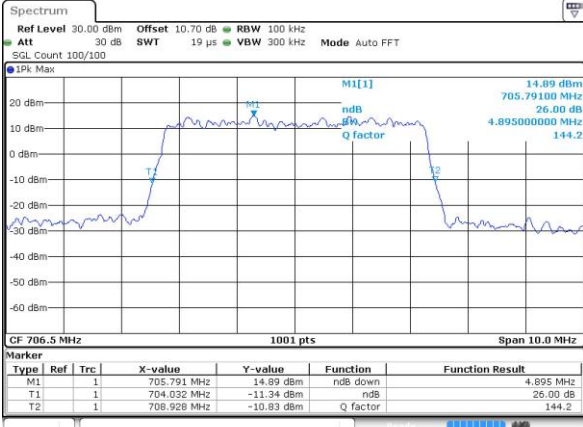
26dB Bandwidth

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	-	-	-	-	4.90	4.89	9.67	9.69	-	-	-	-
Middle CH	-	-	-	-	4.89	4.91	9.71	9.79	-	-	-	-
Highest CH	-	-	-	-	4.90	4.88	9.87	9.63	-	-	-	-



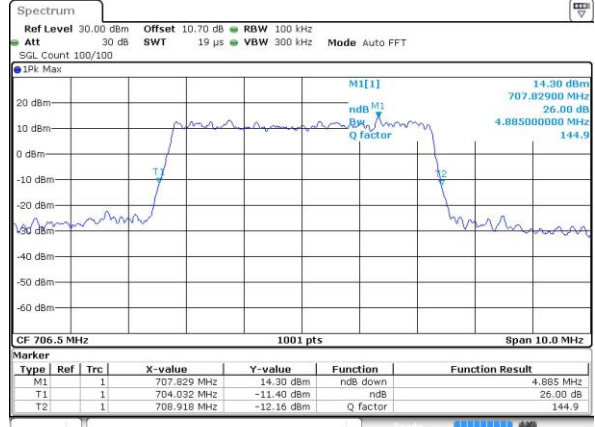
LTE Band 17

Lowest Channel / 5MHz / QPSK



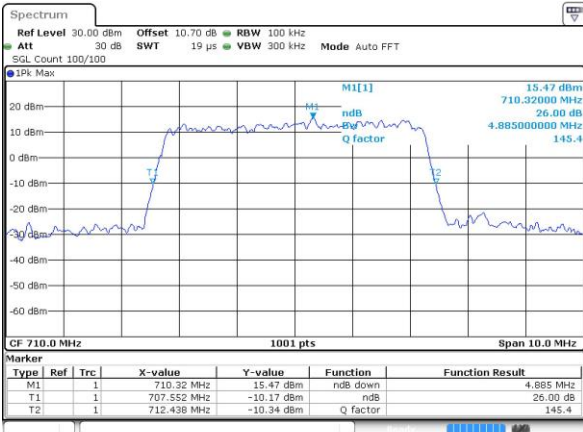
Date: 19 JUN 2017 21:38:11

Lowest Channel / 5MHz / 16QAM



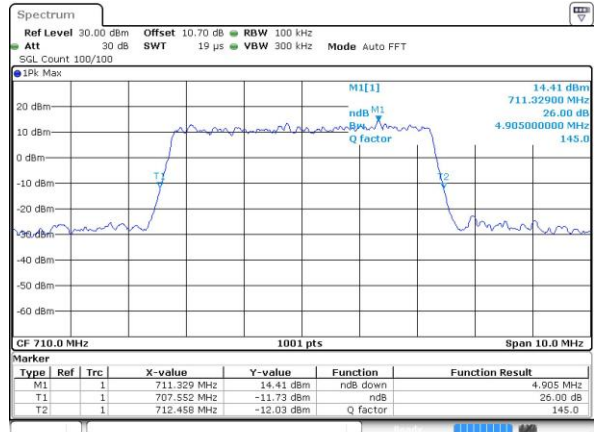
Date: 19 JUN 2017 21:38:22

Middle Channel / 5MHz / QPSK



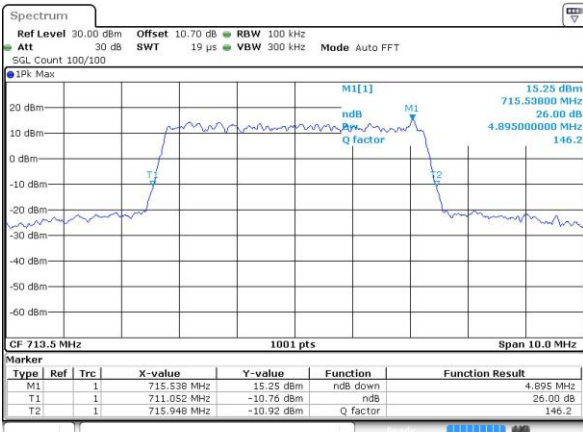
Date: 19 JUN 2017 21:45:18

Middle Channel / 5MHz / 16QAM



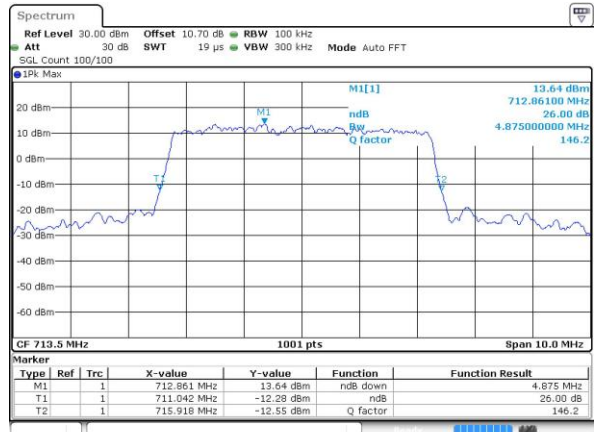
Date: 19 JUN 2017 21:45:29

Highest Channel / 5MHz / QPSK



Date: 19 JUN 2017 21:47:50

Highest Channel / 5MHz / 16QAM

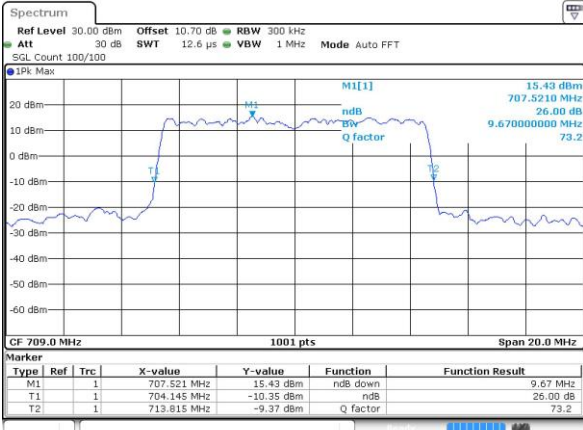


Date: 19 JUN 2017 21:48:00

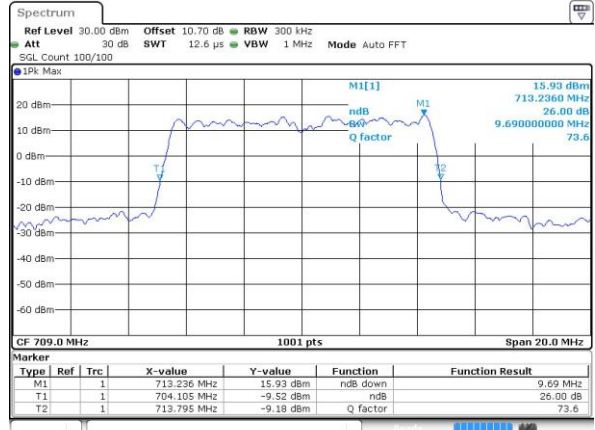


LTE Band 17

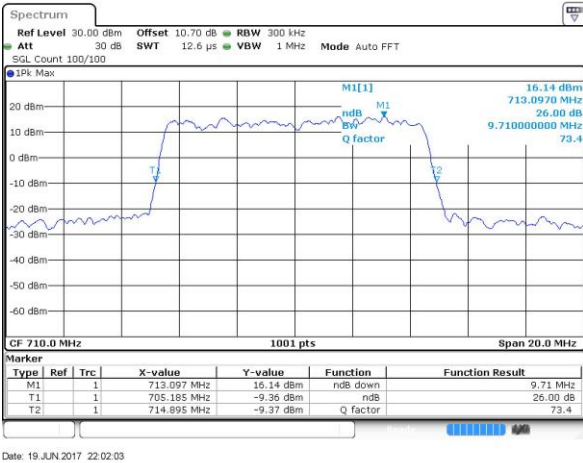
Lowest Channel / 10MHz / QPSK



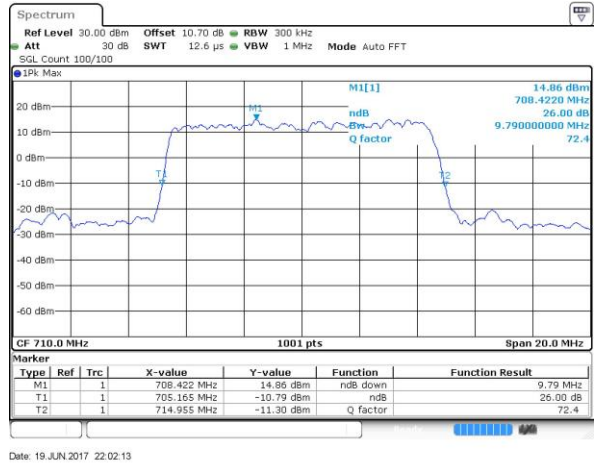
Lowest Channel / 10MHz / 16QAM



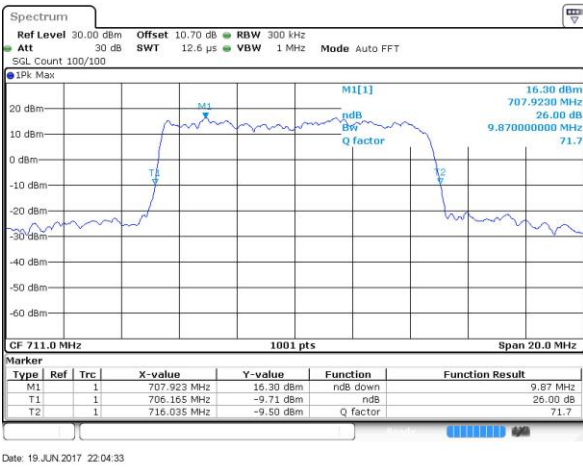
Middle Channel / 10MHz / QPSK



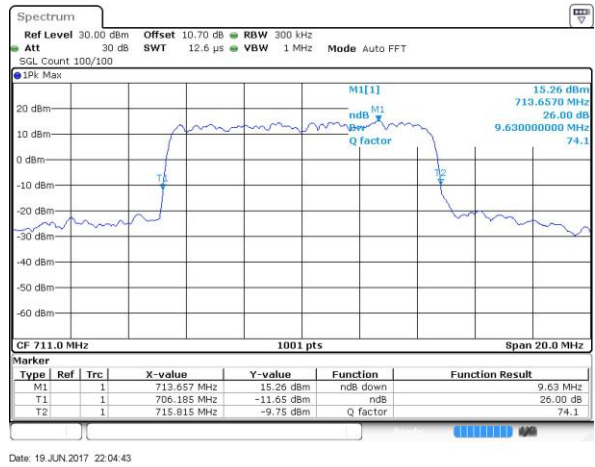
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





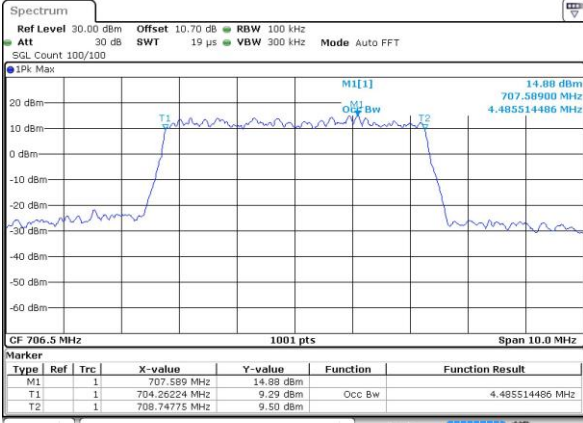
Occupied Bandwidth

Mode	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.51	9.03	9.03	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	9.03	8.97	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	9.01	8.99	-	-	-	-



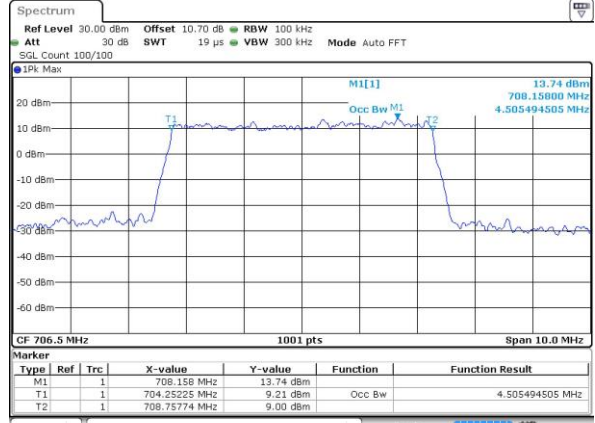
LTE Band 17

Lowest Channel / 5MHz / QPSK



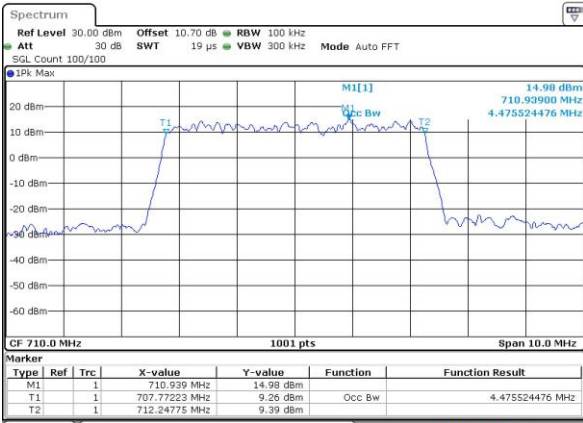
Date: 19 JUN 2017 21:37:51

Lowest Channel / 5MHz / 16QAM



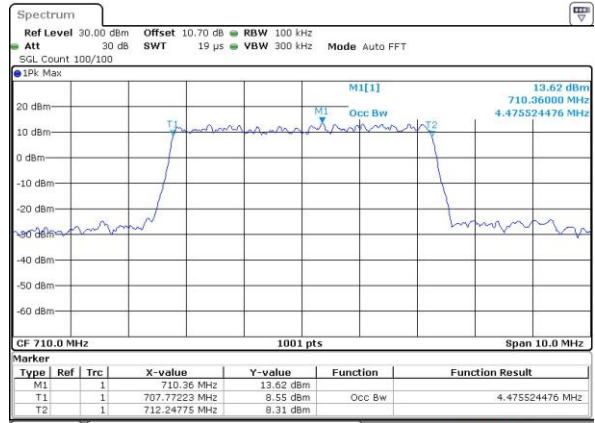
Date: 19 JUN 2017 21:38:01

Middle Channel / 5MHz / QPSK



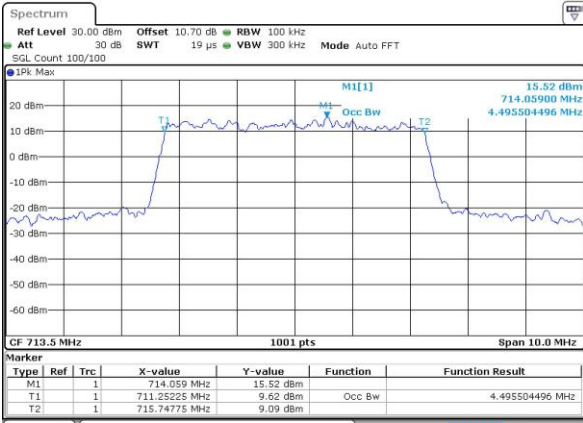
Date: 19 JUN 2017 21:44:57

Middle Channel / 5MHz / 16QAM



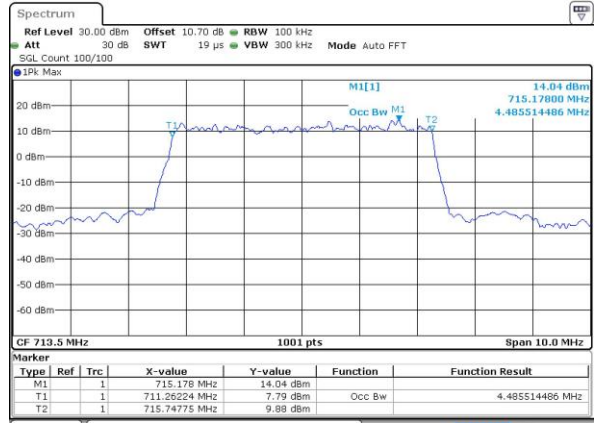
Date: 19 JUN 2017 21:45:08

Highest Channel / 5MHz / QPSK



Date: 19 JUN 2017 21:47:28

Highest Channel / 5MHz / 16QAM



Date: 19 JUN 2017 21:47:38