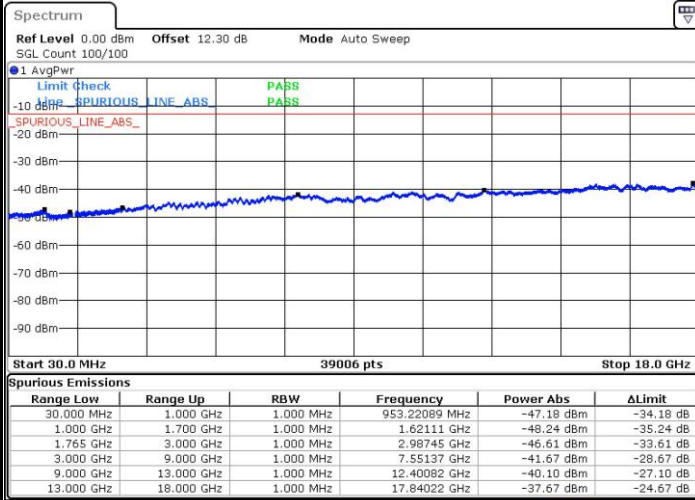




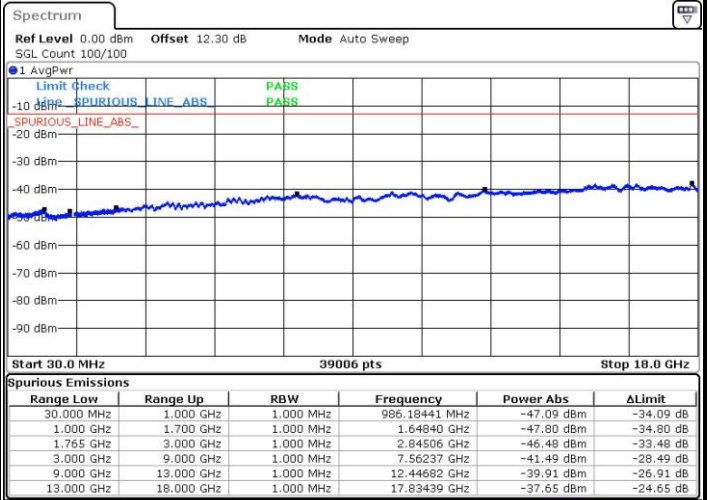
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 5 APR 2018 06:29:25

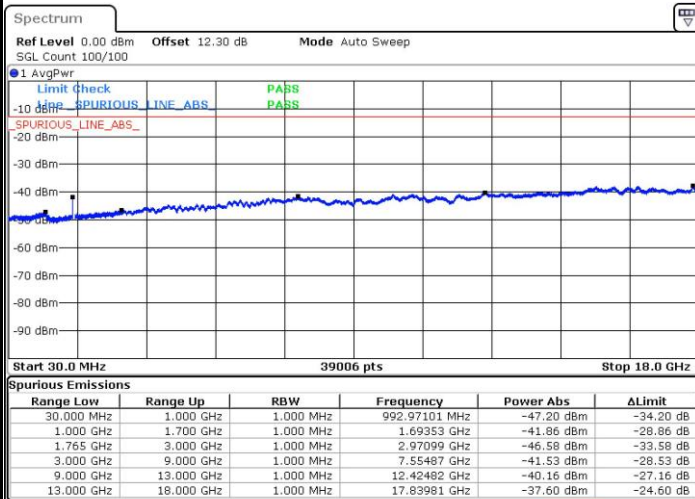
Highest Channel / 16QAM



Date: 5 APR 2018 06:30:19

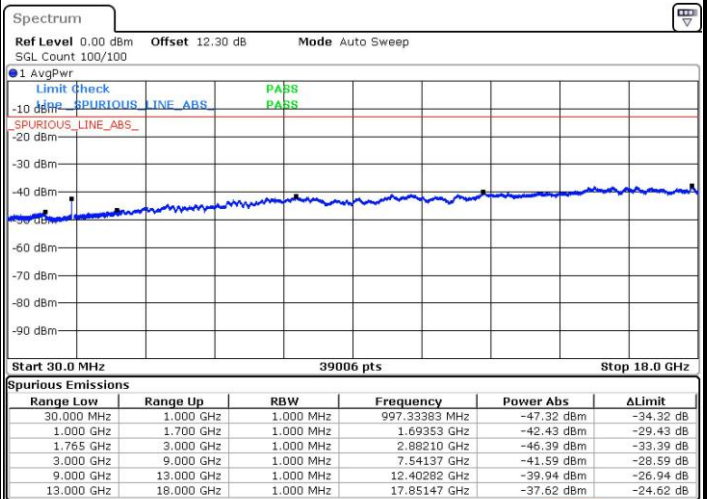
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 5 APR 2018 06:36:32

Lowest Channel / 16QAM



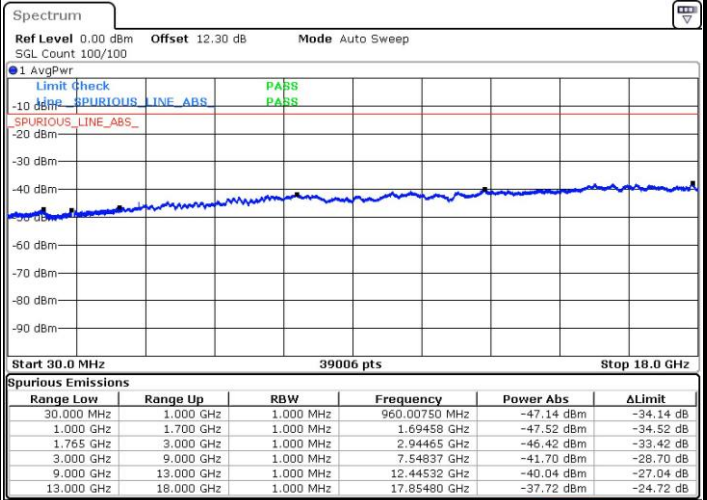
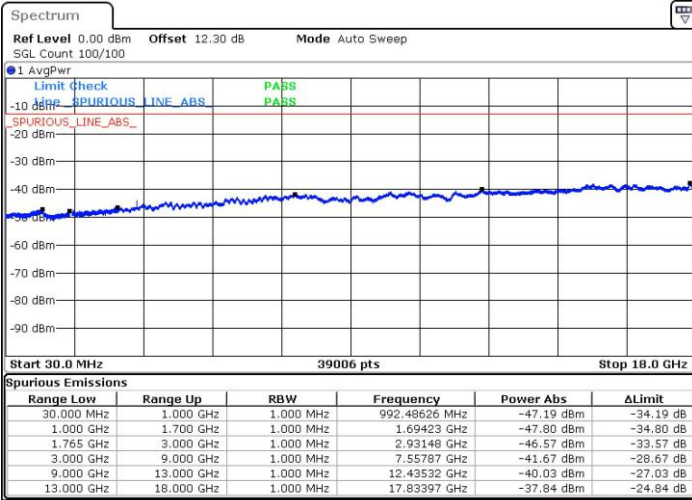
Date: 5 APR 2018 06:37:27



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

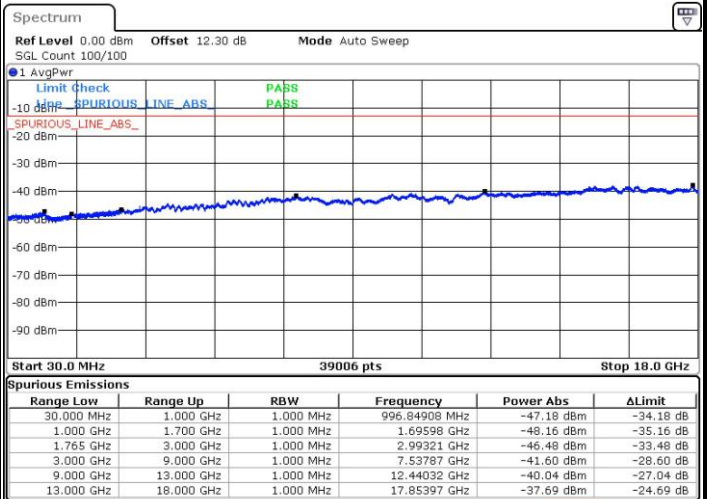
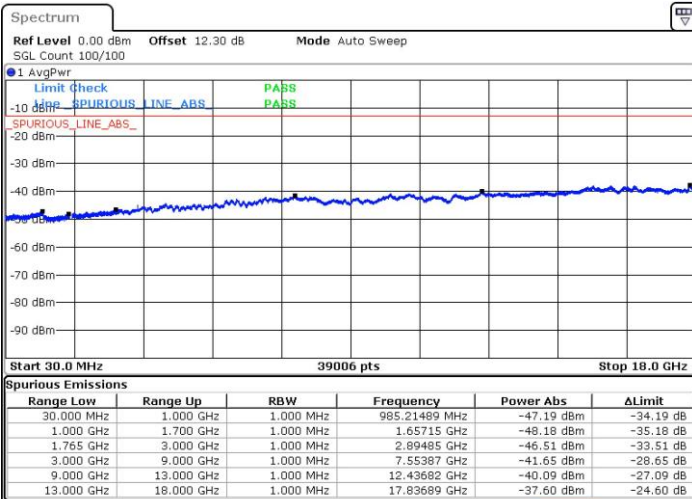


Date: 5 APR 2018 06:39:03

Date: 5 APR 2018 06:39:58

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 APR 2018 06:46:11

Date: 5 APR 2018 06:47:05



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =120 V. ; Battery End Point (BEP) =102 V. ; Maximum Voltage =138 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.8	4.64	4.46	5.57	PASS
Middle CH	3.88	4.46	4.7	5.42	
Highest CH	3.91	4.35	5.01	5.51	



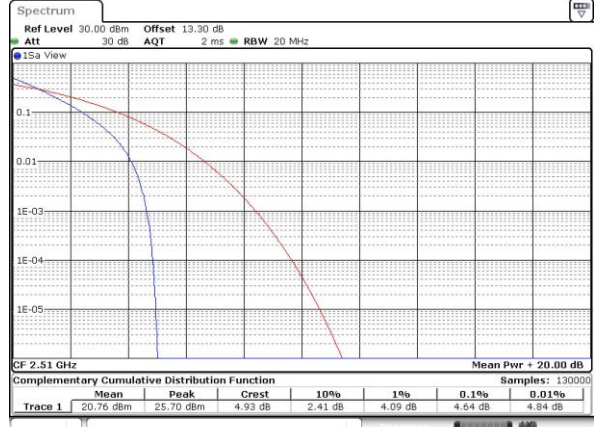
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



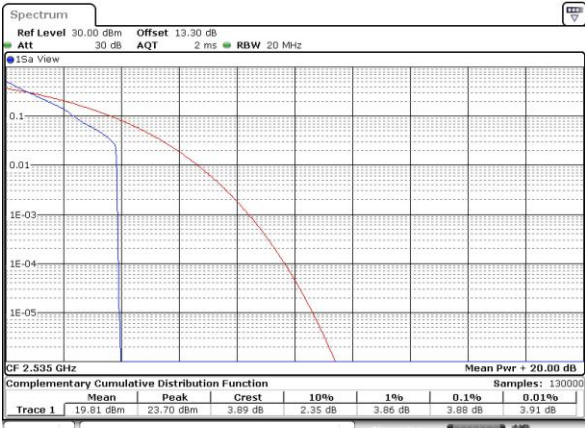
Date: 9 APR 2018 17:00:00

Lowest Channel / Full RB



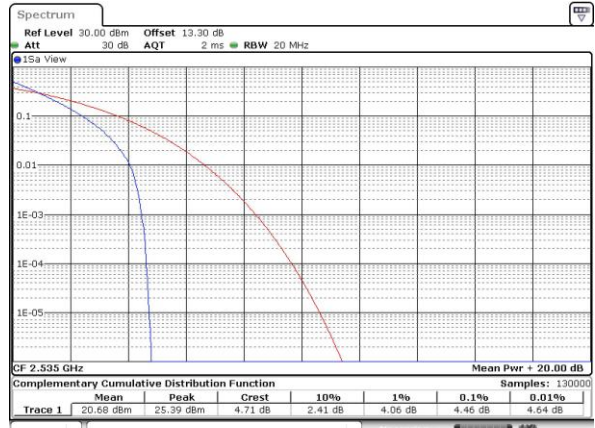
Date: 9 APR 2018 17:00:09

Middle Channel / 1RB



Date: 9 APR 2018 17:00:19

Middle Channel / Full RB



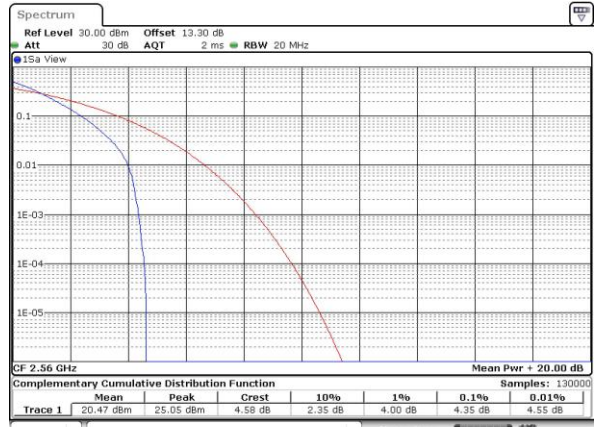
Date: 9 APR 2018 17:00:25

Highest Channel / 1RB



Date: 9 APR 2018 17:00:40

Highest Channel / Full RB

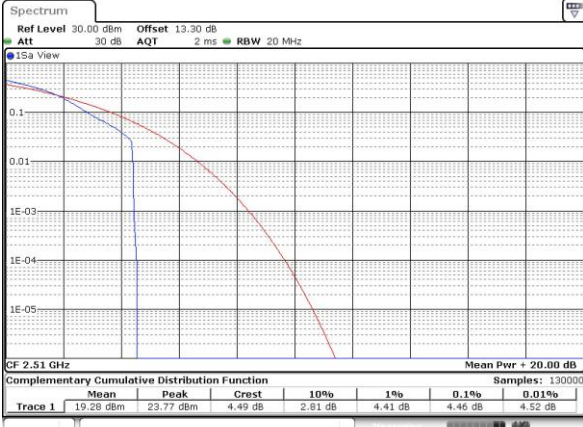


Date: 9 APR 2018 17:00:51



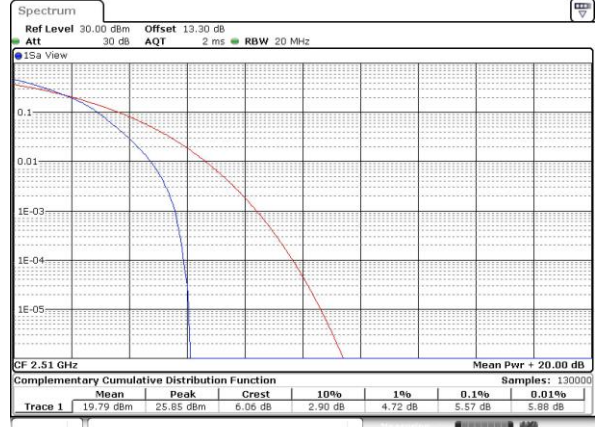
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



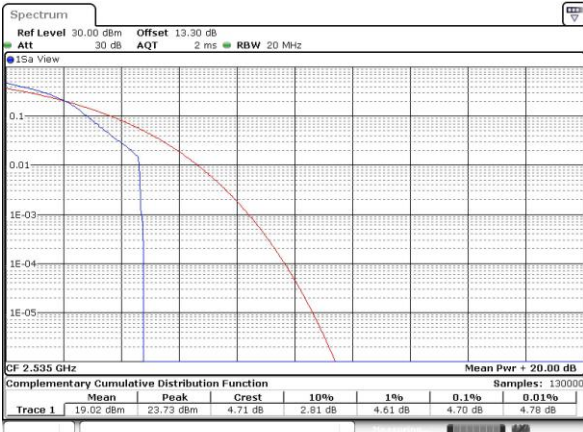
Date: 9 APR 2018 16:52:36

Lowest Channel / Full RB



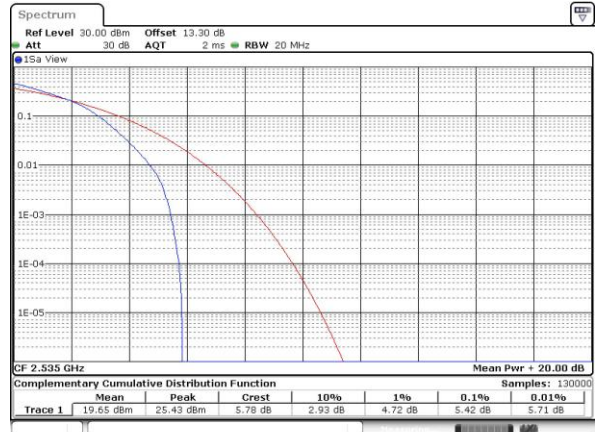
Date: 9 APR 2018 16:58:41

Middle Channel / 1RB



Date: 9 APR 2018 16:58:54

Middle Channel / Full RB



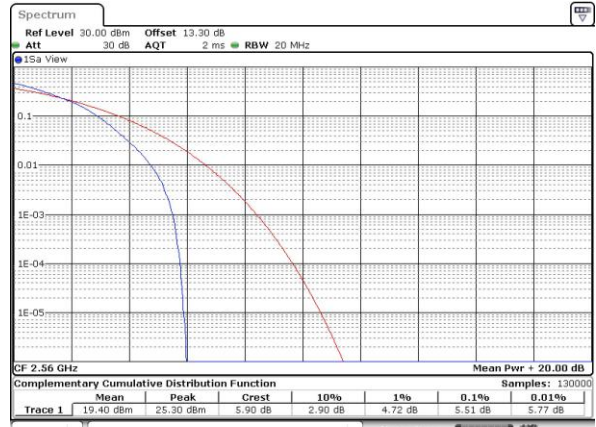
Date: 9 APR 2018 16:59:04

Highest Channel / 1RB



Date: 9 APR 2018 16:59:20

Highest Channel / Full RB



Date: 9 APR 2018 16:59:42



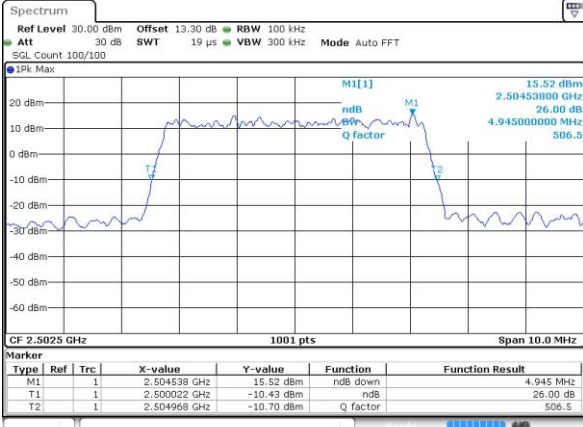
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.95	4.82	9.75	9.79	14.60	14.39	20.26	20.30
Middle CH	-	-	-	-	4.89	4.89	9.93	9.81	14.30	14.24	20.22	20.30
Highest CH	-	-	-	-	4.87	4.88	9.83	9.79	14.27	14.45	20.22	20.30



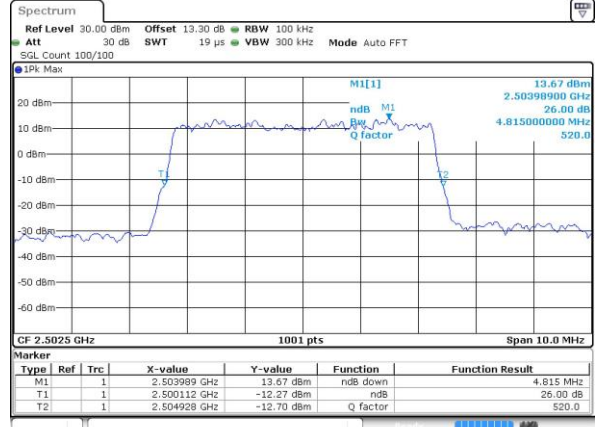
LTE Band 7

Lowest Channel / 5MHz / QPSK



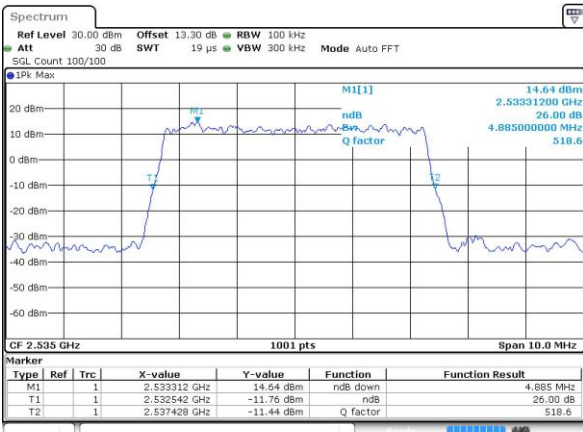
Date: 9 APR 2018 15:34:54

Lowest Channel / 5MHz / 16QAM



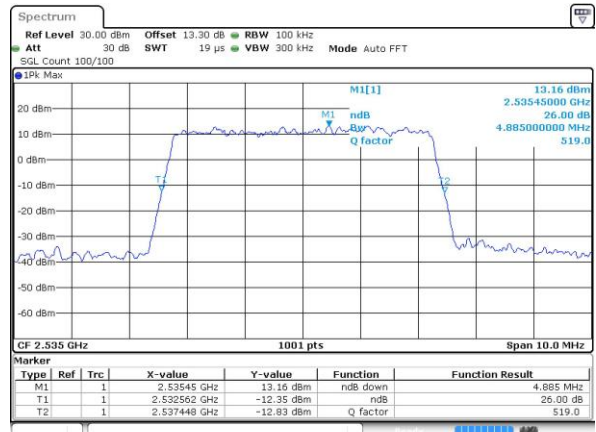
Date: 9 APR 2018 15:35:05

Middle Channel / 5MHz / QPSK



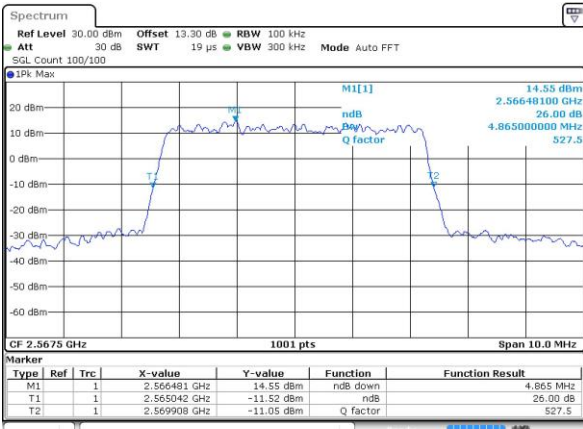
Date: 9 APR 2018 15:50:54

Middle Channel / 5MHz / 16QAM



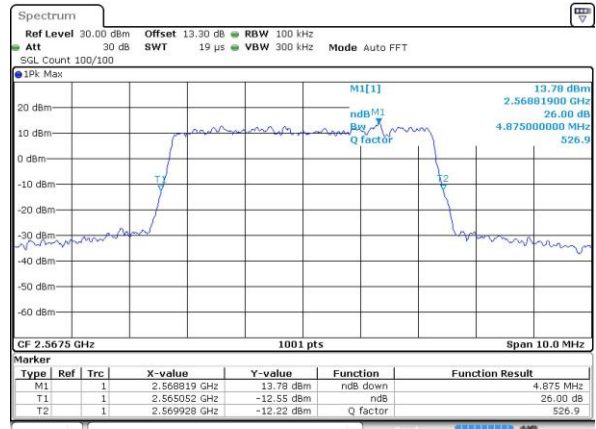
Date: 9 APR 2018 15:51:04

Highest Channel / 5MHz / QPSK



Date: 9 APR 2018 15:53:23

Highest Channel / 5MHz / 16QAM

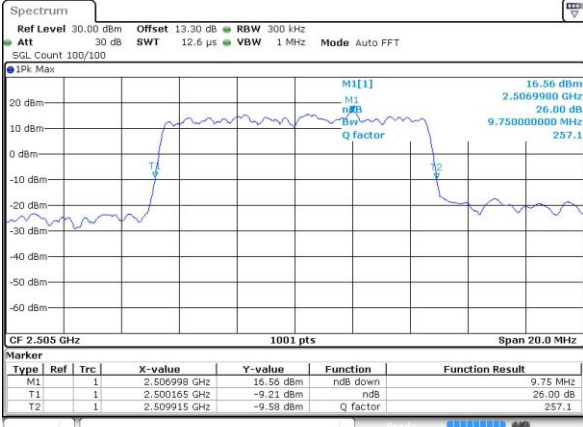


Date: 9 APR 2018 15:53:34



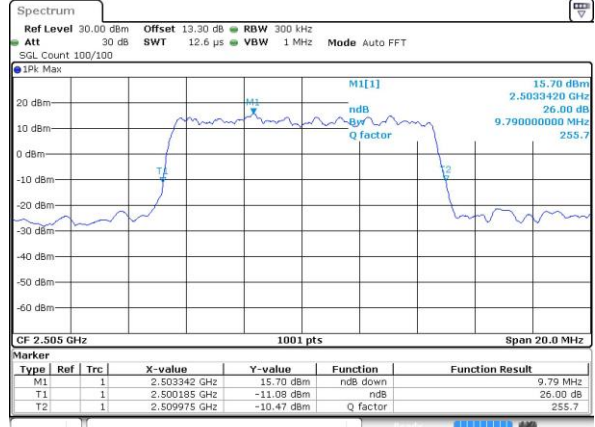
LTE Band 7

Lowest Channel / 10MHz / QPSK



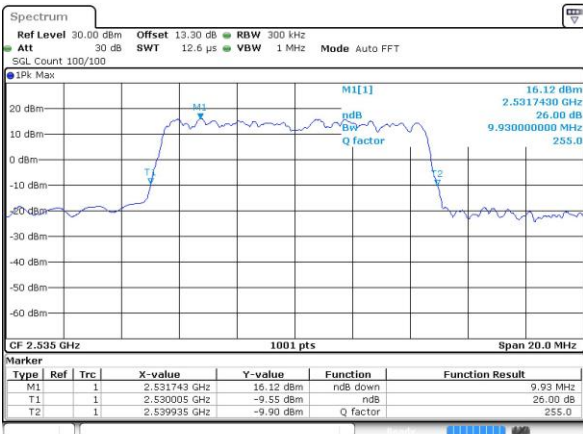
Date: 9 APR 2018 16:00:32

Lowest Channel / 10MHz / 16QAM



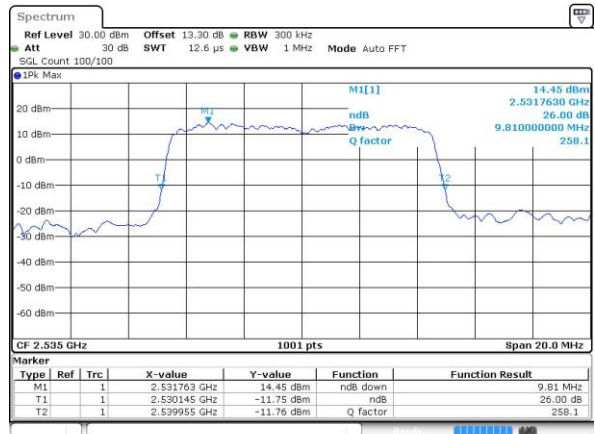
Date: 9 APR 2018 16:00:43

Middle Channel / 10MHz / QPSK



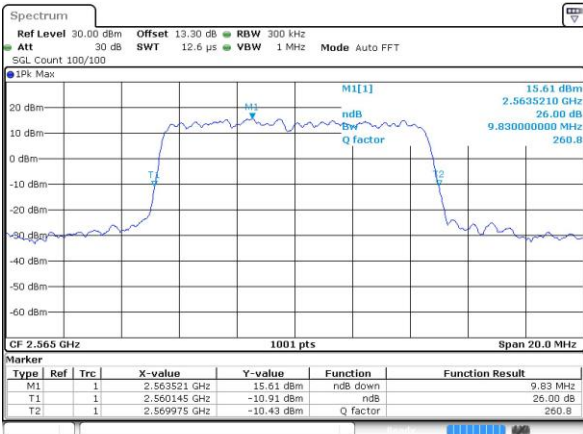
Date: 9 APR 2018 16:07:41

Middle Channel / 10MHz / 16QAM



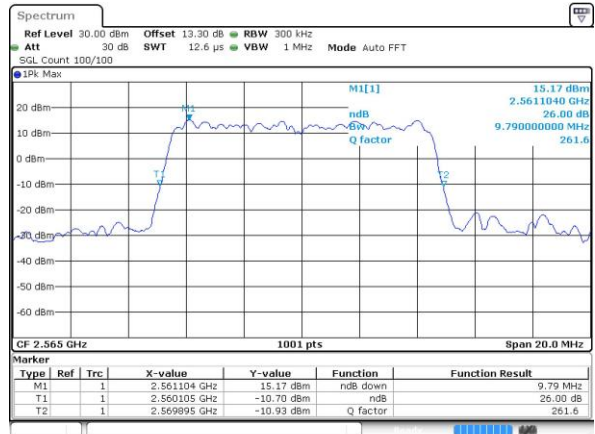
Date: 9 APR 2018 16:07:51

Highest Channel / 10MHz / QPSK



Date: 9 APR 2018 16:10:10

Highest Channel / 10MHz / 16QAM

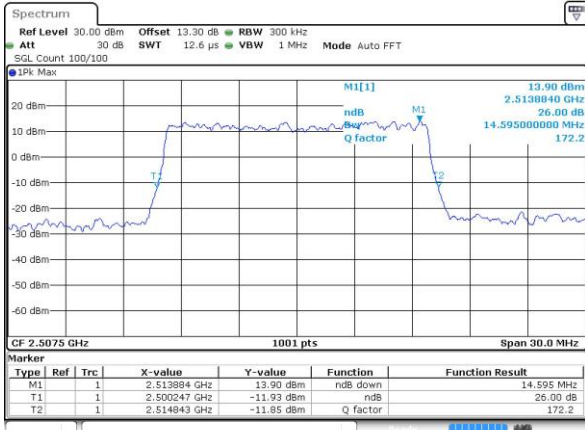


Date: 9 APR 2018 16:10:21



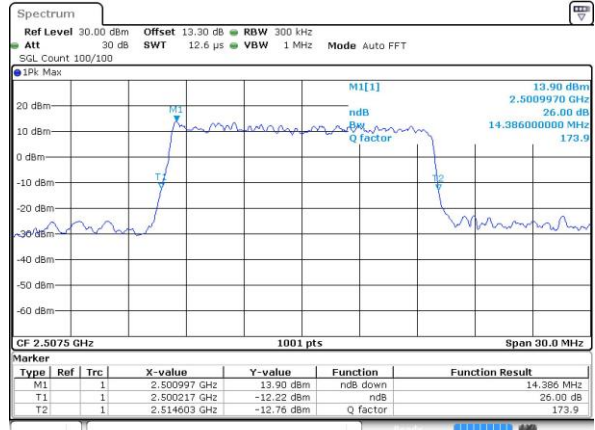
LTE Band 7

Lowest Channel / 15MHz / QPSK



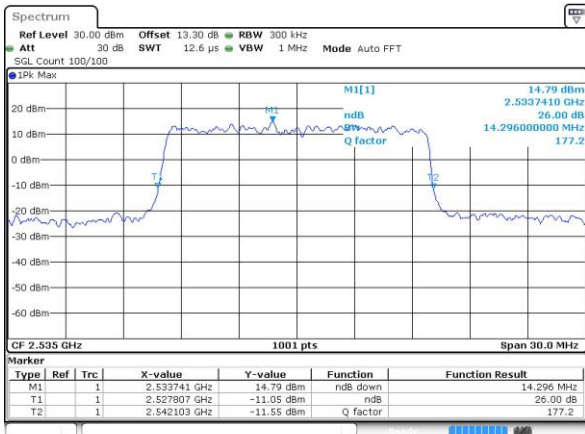
Date: 9 APR 2018 16:17:19

Lowest Channel / 15MHz / 16QAM



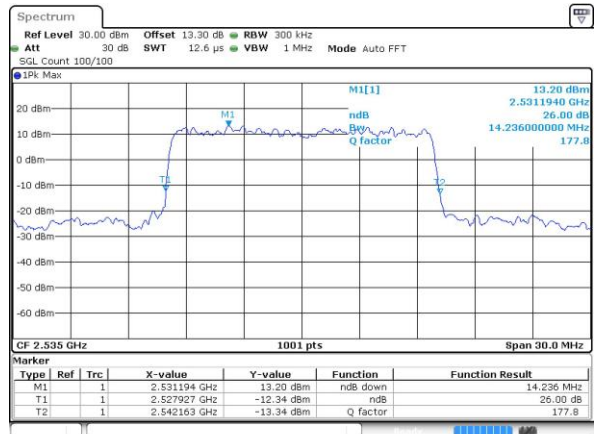
Date: 9 APR 2018 16:17:29

Middle Channel / 15MHz / QPSK



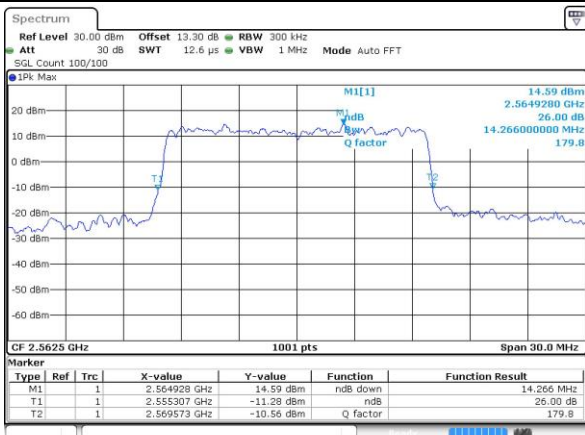
Date: 9 APR 2018 16:24:28

Middle Channel / 15MHz / 16QAM



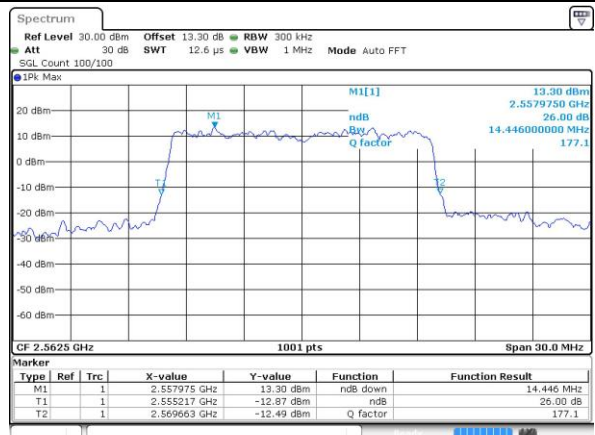
Date: 9 APR 2018 16:24:38

Highest Channel / 15MHz / QPSK



Date: 9 APR 2018 16:26:57

Highest Channel / 15MHz / 16QAM

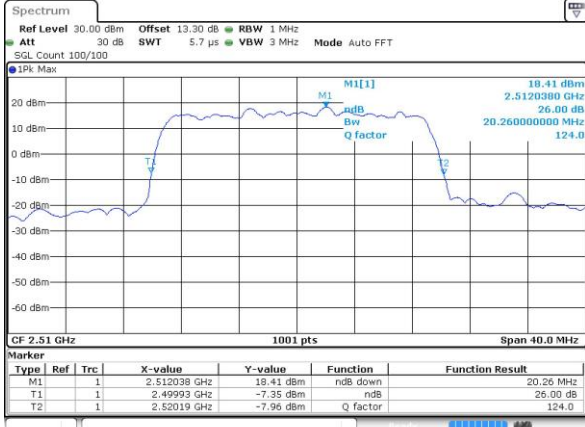


Date: 9 APR 2018 16:27:08



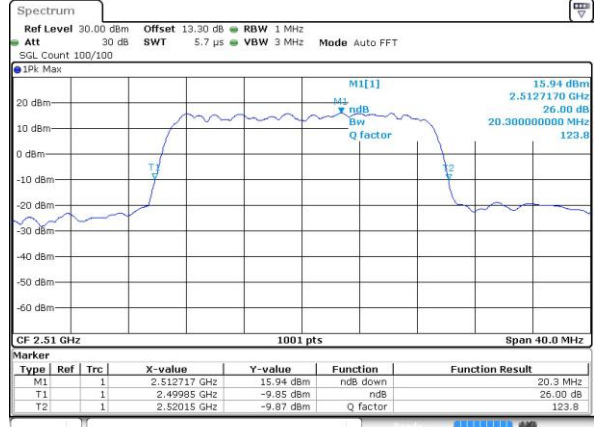
LTE Band 7

Lowest Channel / 20MHz / QPSK



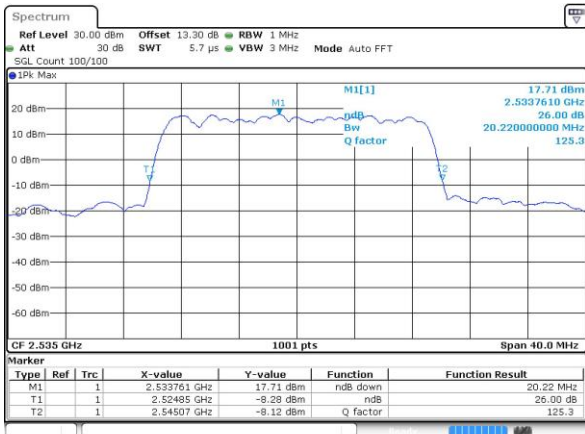
Date: 9 APR 2018 16:34:06

Lowest Channel / 20MHz / 16QAM



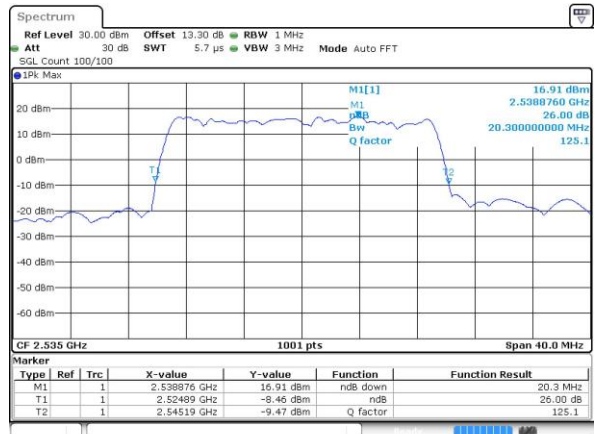
Date: 9 APR 2018 16:34:17

Middle Channel / 20MHz / QPSK



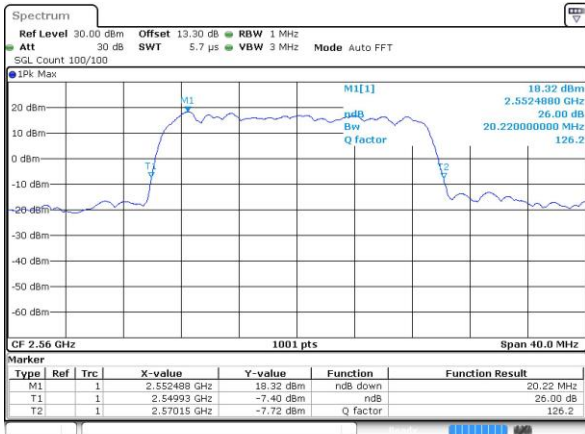
Date: 9 APR 2018 16:41:15

Middle Channel / 20MHz / 16QAM



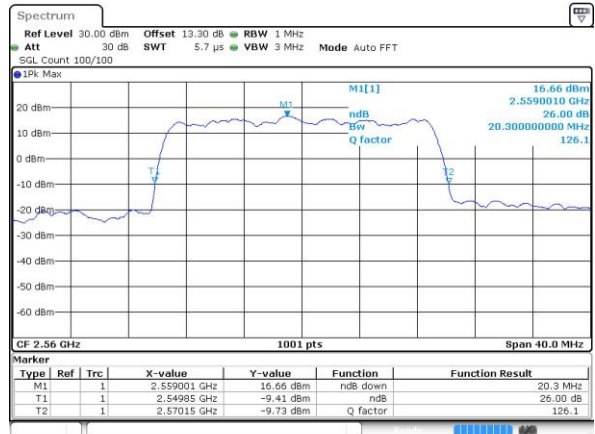
Date: 9 APR 2018 16:41:25

Highest Channel / 20MHz / QPSK



Date: 9 APR 2018 16:43:45

Highest Channel / 20MHz / 16QAM



Date: 9 APR 2018 16:43:55



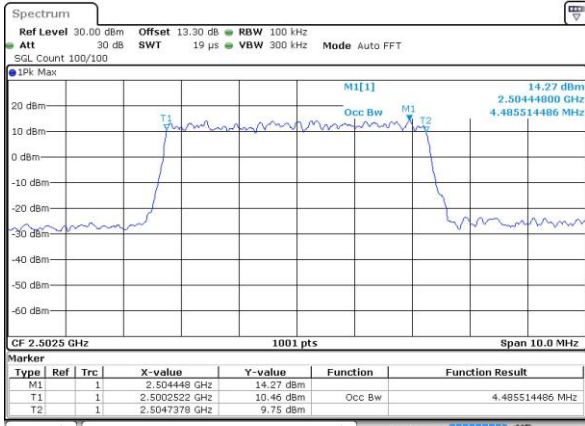
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.48	9.05	9.03	13.46	13.4	18.26	18.3
Middle CH	-	-	-	-	4.49	4.49	9.01	9.05	13.4	13.52	18.46	18.42
Highest CH	-	-	-	-	4.51	4.5	9.03	9.03	13.46	13.46	18.46	18.5



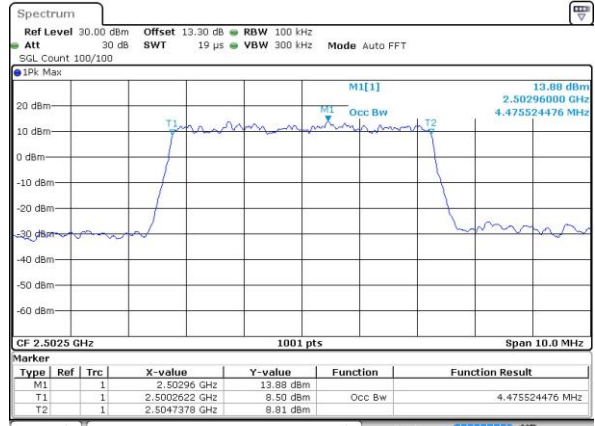
LTE Band 7

Lowest Channel / 5MHz / QPSK



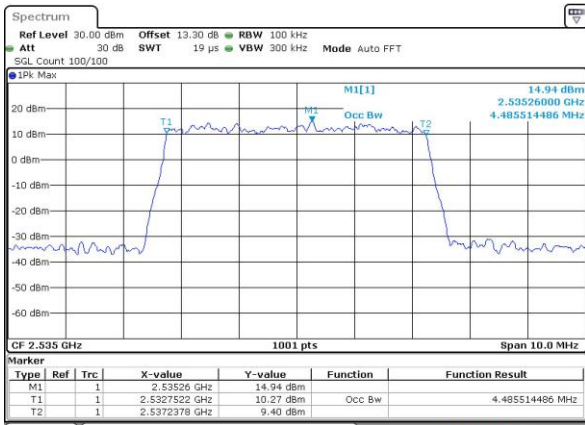
Date: 9 APR 2018 15:34:33

Lowest Channel / 5MHz / 16QAM



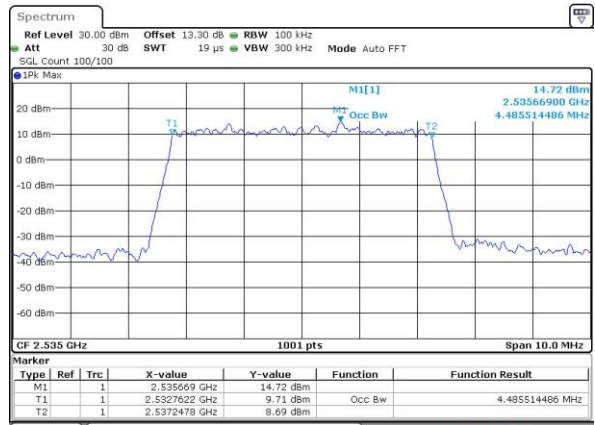
Date: 9 APR 2018 15:34:44

Middle Channel / 5MHz / QPSK



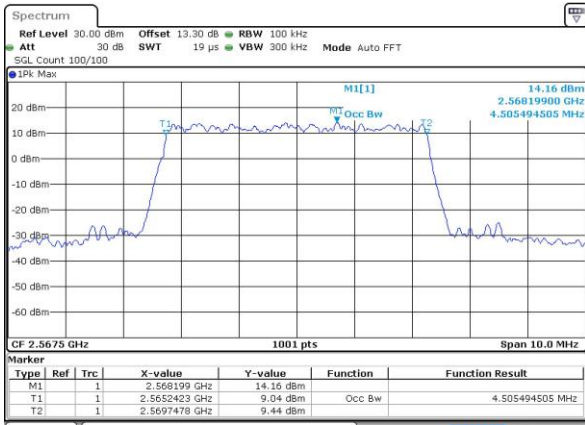
Date: 9 APR 2018 15:50:33

Middle Channel / 5MHz / 16QAM



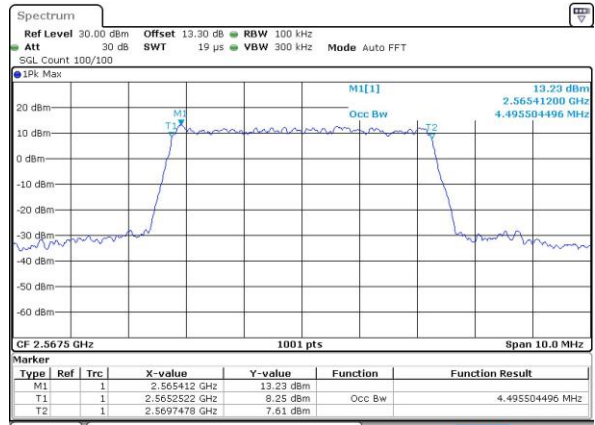
Date: 9 APR 2018 15:50:43

Highest Channel / 5MHz / QPSK



Date: 9 APR 2018 15:53:02

Highest Channel / 5MHz / 16QAM

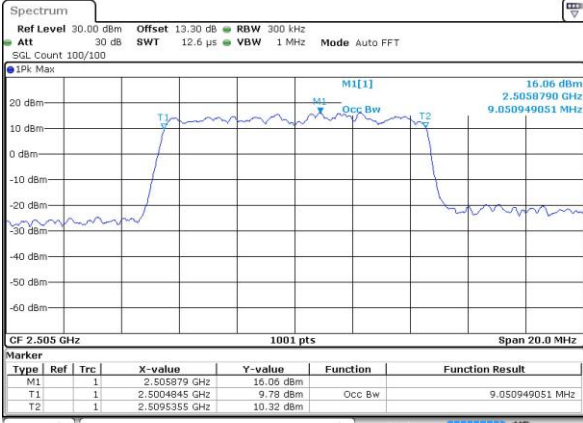


Date: 9 APR 2018 15:53:13



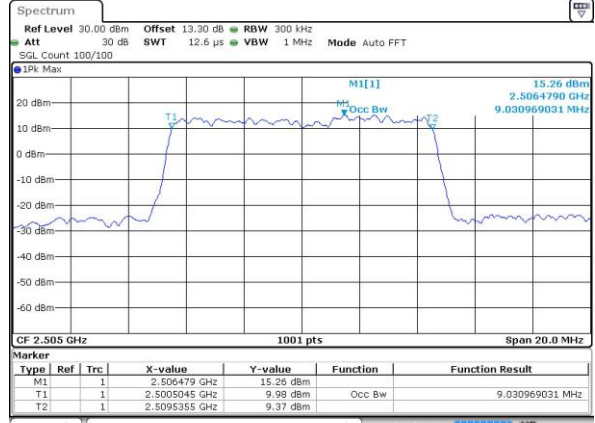
LTE Band 7

Lowest Channel / 10MHz / QPSK



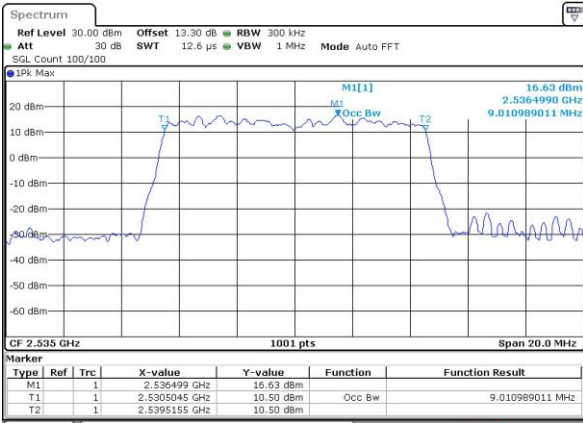
Date: 9 APR 2018 16:00:11

Lowest Channel / 10MHz / 16QAM



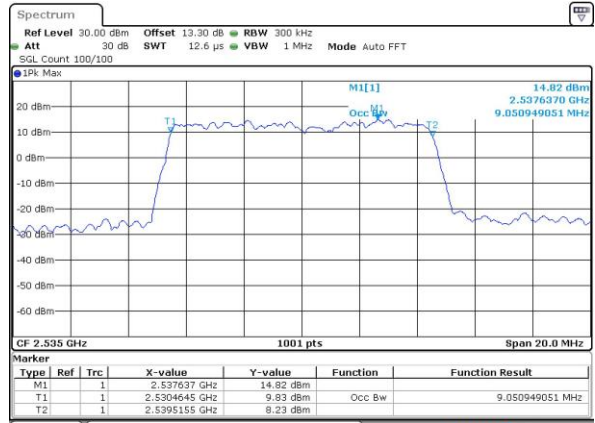
Date: 9 APR 2018 16:00:22

Middle Channel / 10MHz / QPSK



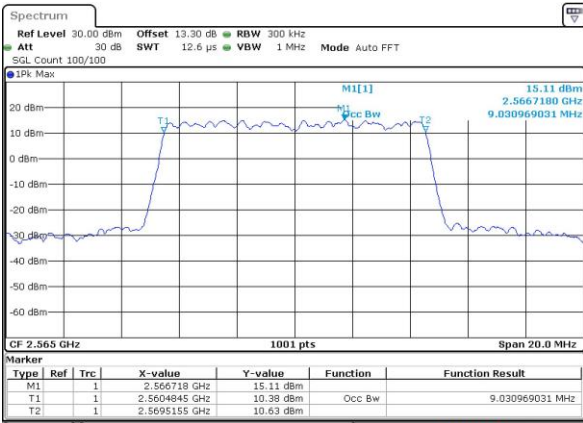
Date: 9 APR 2018 16:07:20

Middle Channel / 10MHz / 16QAM



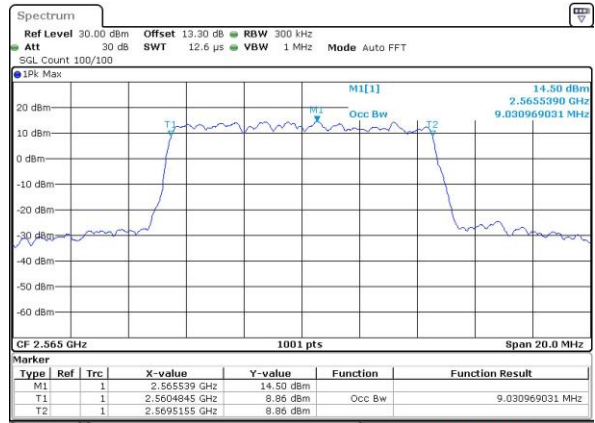
Date: 9 APR 2018 16:07:30

Highest Channel / 10MHz / QPSK



Date: 9 APR 2018 16:09:49

Highest Channel / 10MHz / 16QAM

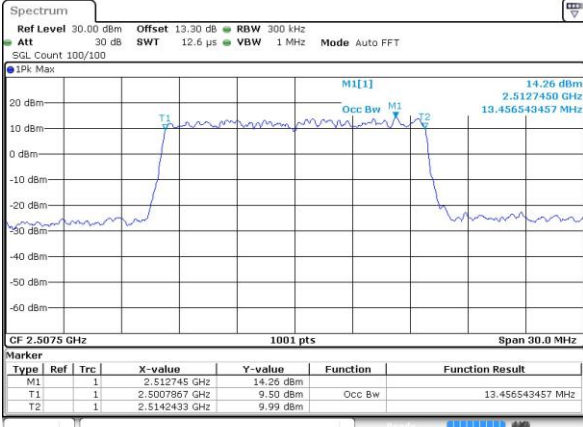


Date: 9 APR 2018 16:10:00



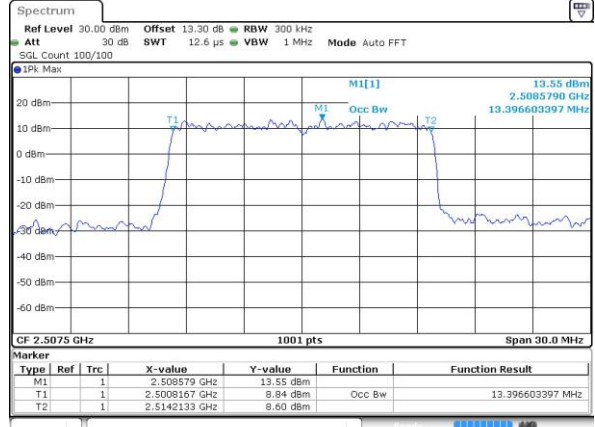
LTE Band 7

Lowest Channel / 15MHz / QPSK



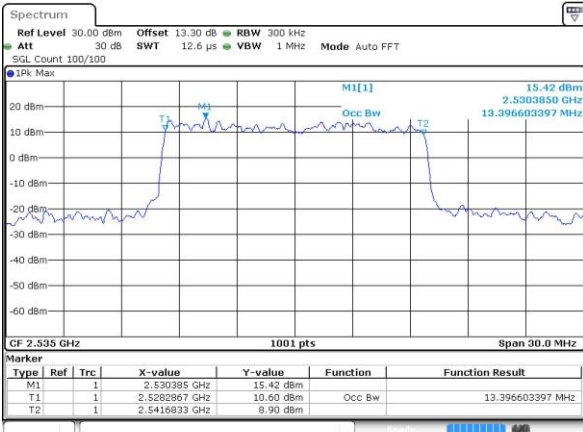
Date: 9 APR 2018 16:16:58

Lowest Channel / 15MHz / 16QAM



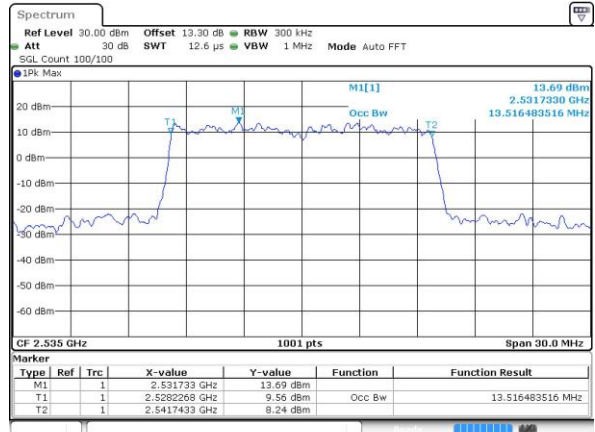
Date: 9 APR 2018 16:17:08

Middle Channel / 15MHz / QPSK



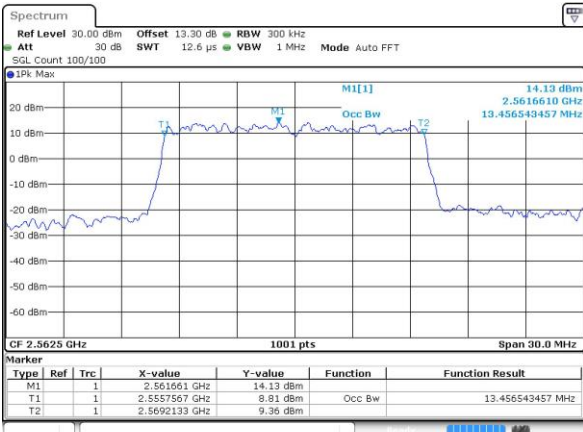
Date: 9 APR 2018 16:24:07

Middle Channel / 15MHz / 16QAM



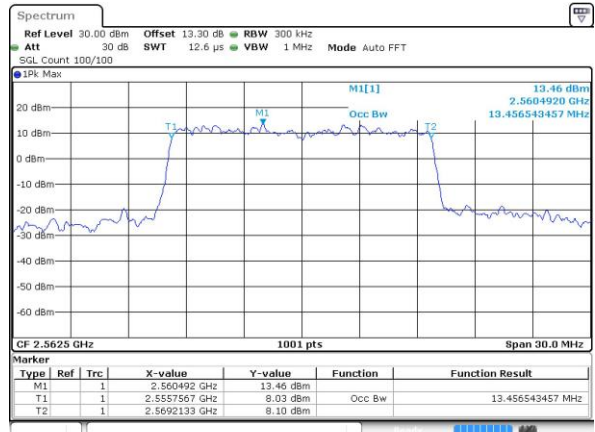
Date: 9 APR 2018 16:24:17

Highest Channel / 15MHz / QPSK



Date: 9 APR 2018 16:26:37

Highest Channel / 15MHz / 16QAM

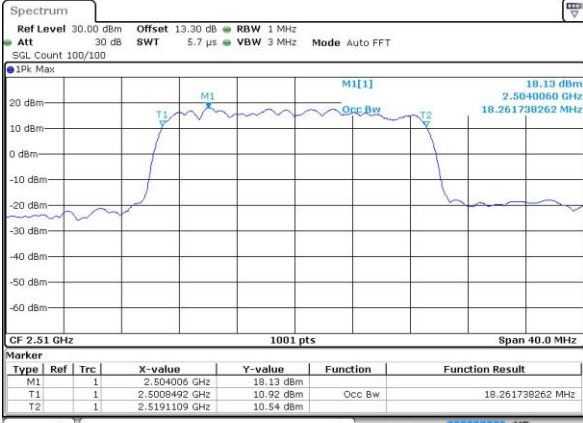


Date: 9 APR 2018 16:26:47



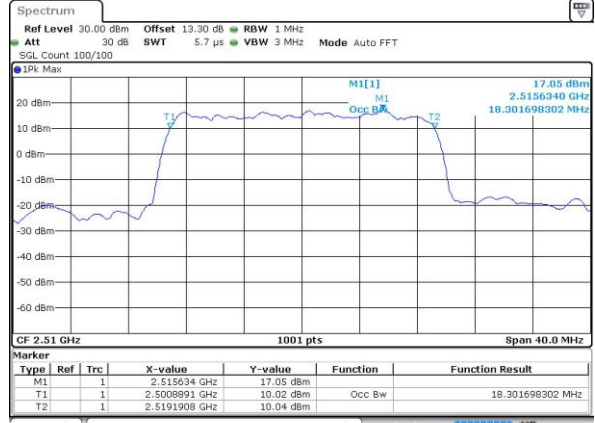
LTE Band 7

Lowest Channel / 20MHz / QPSK



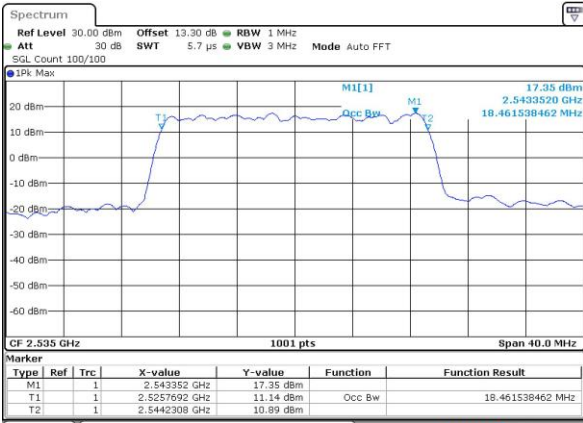
Date: 9 APR 2018 16:33:46

Lowest Channel / 20MHz / 16QAM



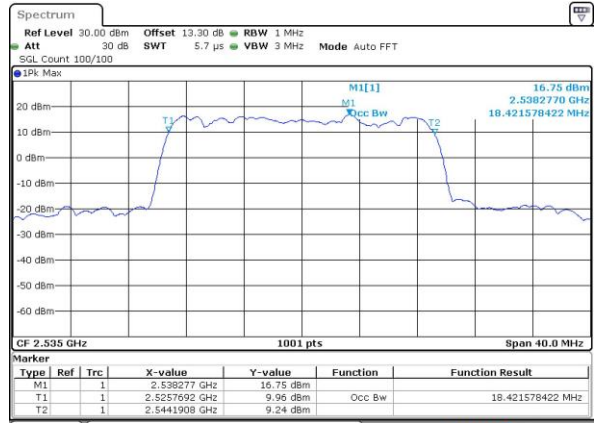
Date: 9 APR 2018 16:33:56

Middle Channel / 20MHz / QPSK



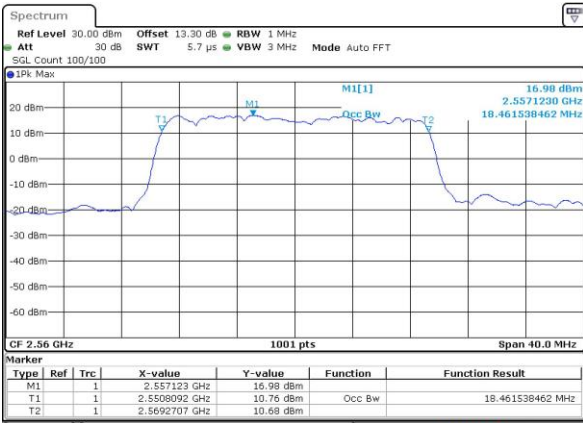
Date: 9 APR 2018 16:40:54

Middle Channel / 20MHz / 16QAM



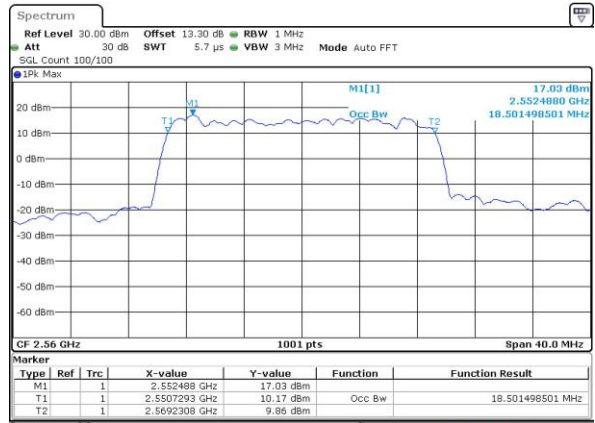
Date: 9 APR 2018 16:41:05

Highest Channel / 20MHz / QPSK



Date: 9 APR 2018 16:43:24

Highest Channel / 20MHz / 16QAM



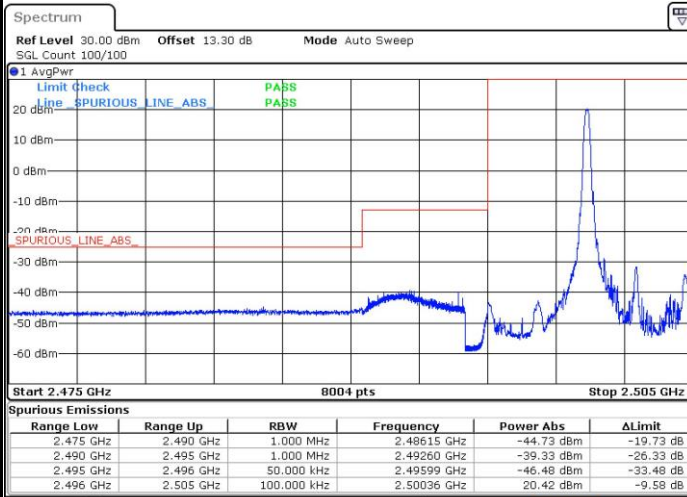
Date: 9 APR 2018 16:43:34



Conducted Band Edge

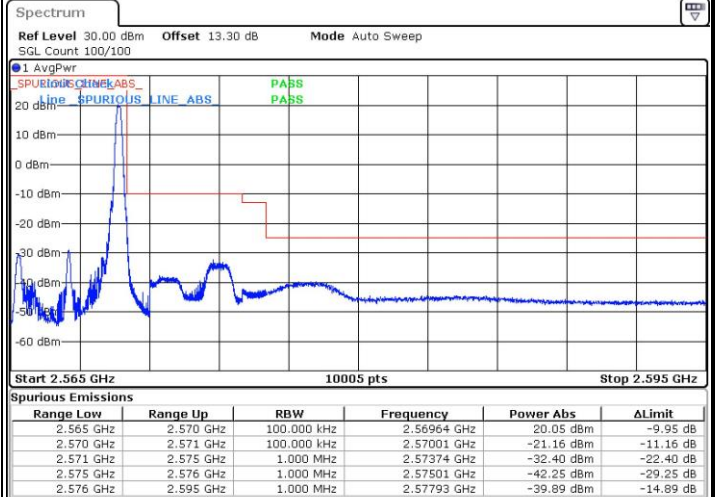
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



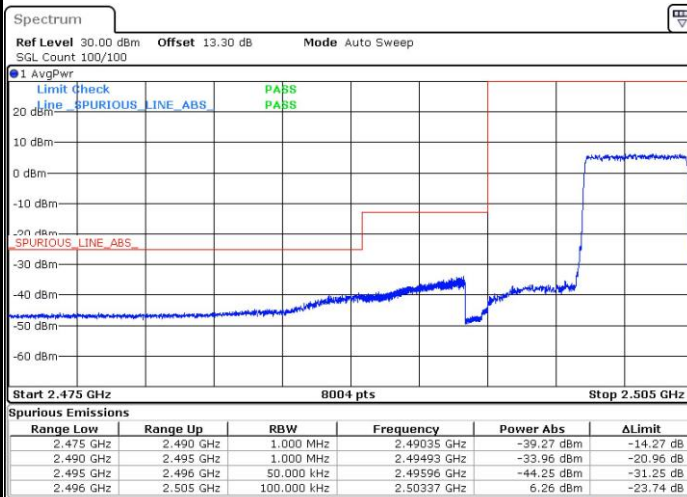
Date: 9 APR 2018 15:36:14

Highest Band Edge / 1 RB



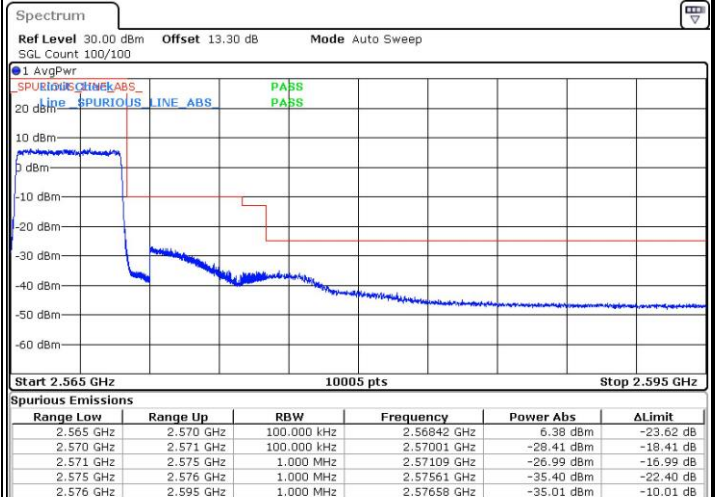
Date: 9 APR 2018 15:54:43

Lowest Band Edge / Full RB



Date: 9 APR 2018 15:38:34

Highest Band Edge / Full RB

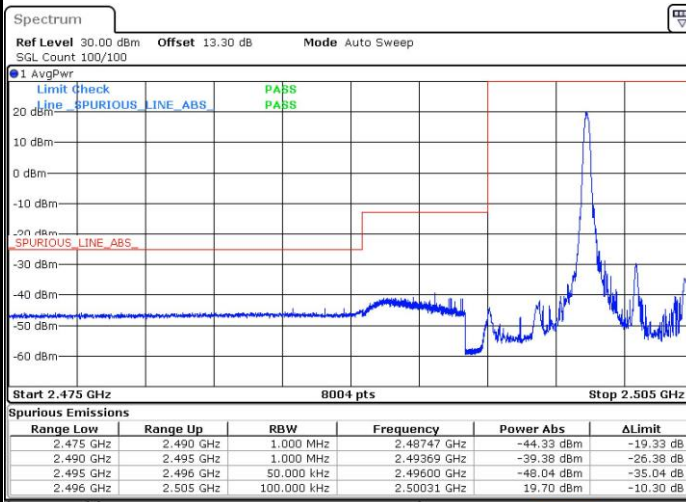


Date: 9 APR 2018 15:57:03



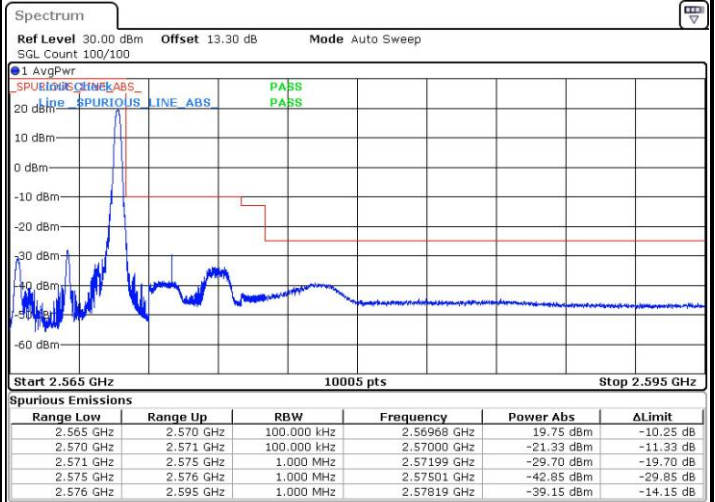
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



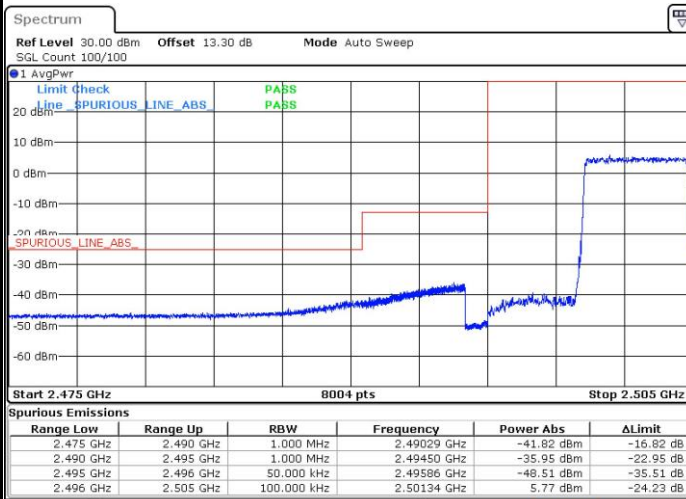
Date: 9 APR 2018 15:37:24

Highest Band Edge / 1 RB



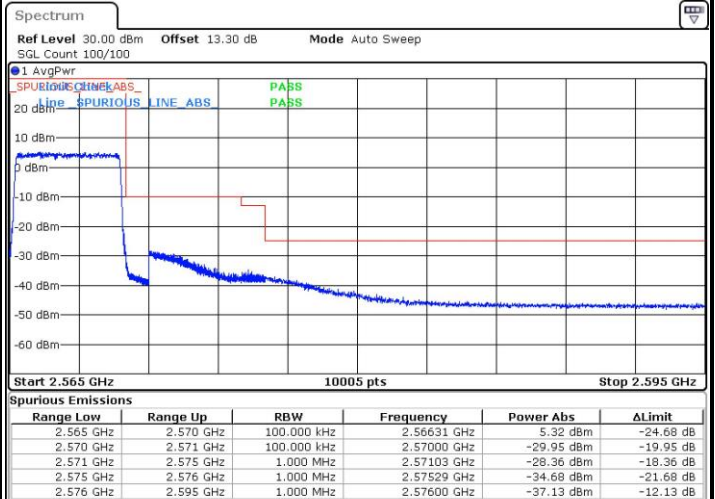
Date: 9 APR 2018 15:55:53

Lowest Band Edge / Full RB



Date: 9 APR 2018 15:48:34

Highest Band Edge / Full RB

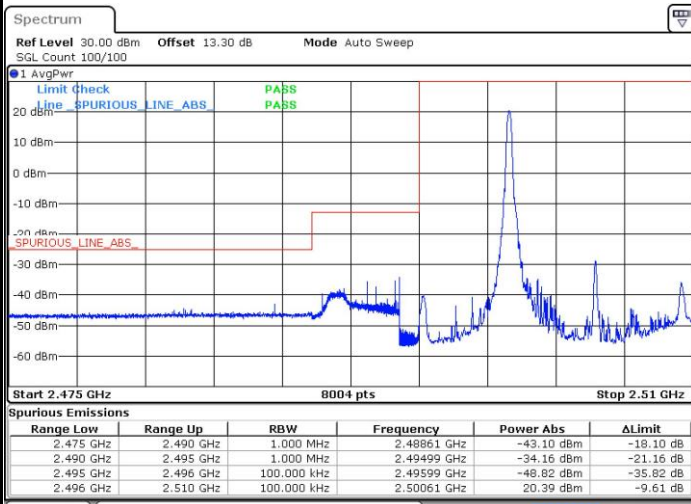


Date: 9 APR 2018 15:58:13



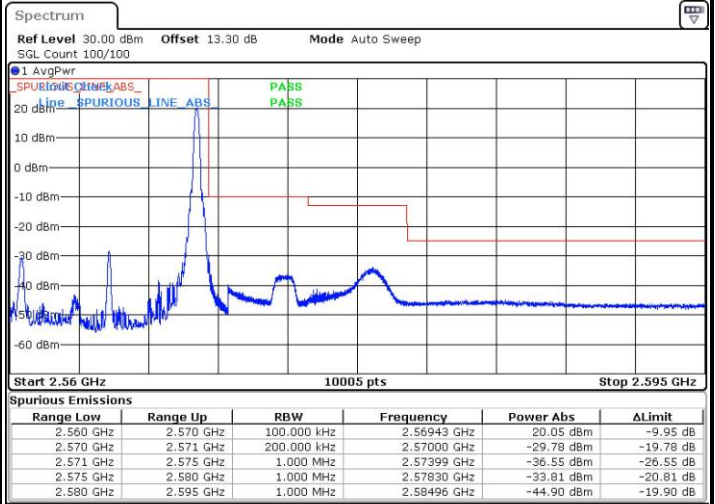
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



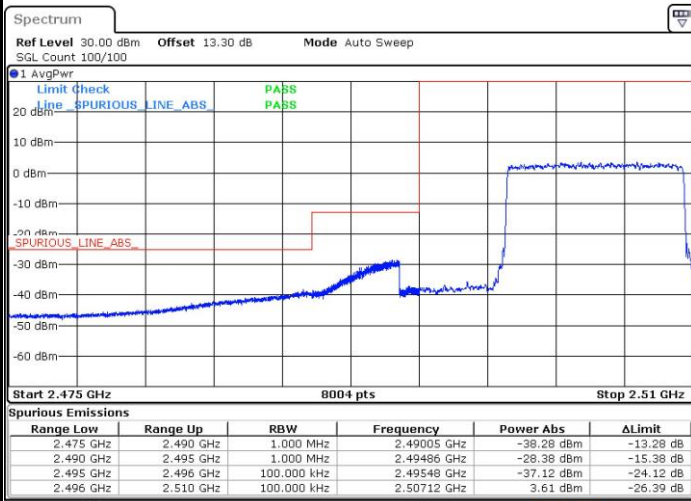
Date: 9 APR 2018 16:01:52

Highest Band Edge / 1 RB



Date: 9 APR 2018 16:11:30

Lowest Band Edge / Full RB



Date: 9 APR 2018 16:04:11

Highest Band Edge / Full RB

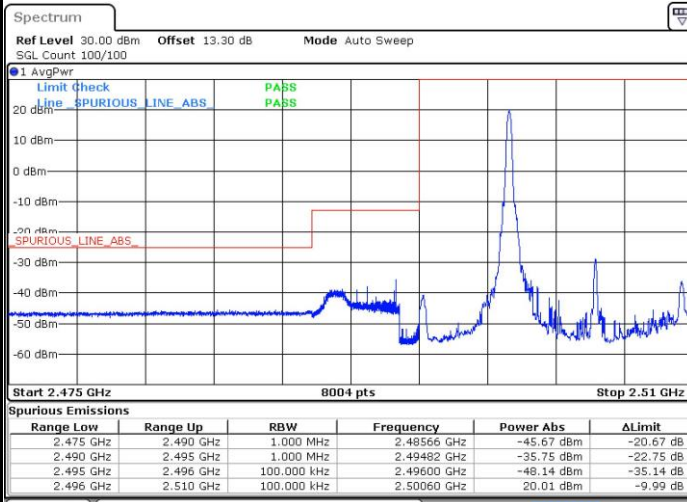


Date: 9 APR 2018 16:13:50



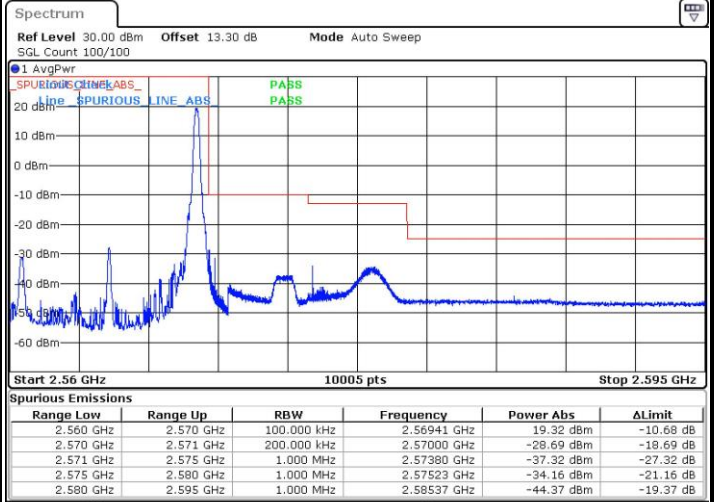
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



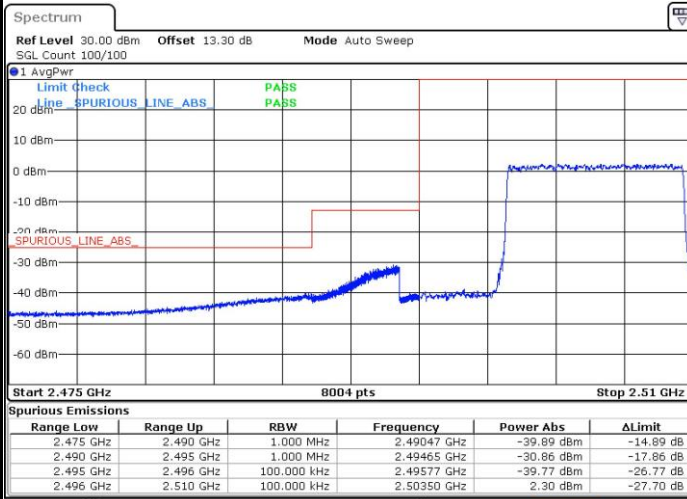
Date: 9 APR 2018 16:03:02

Highest Band Edge / 1 RB



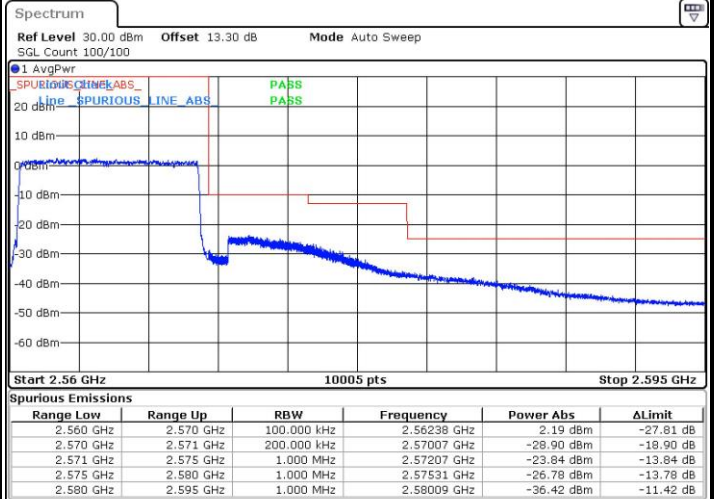
Date: 9 APR 2018 16:12:40

Lowest Band Edge / Full RB



Date: 9 APR 2018 16:05:21

Highest Band Edge / Full RB



Date: 9 APR 2018 16:15:00