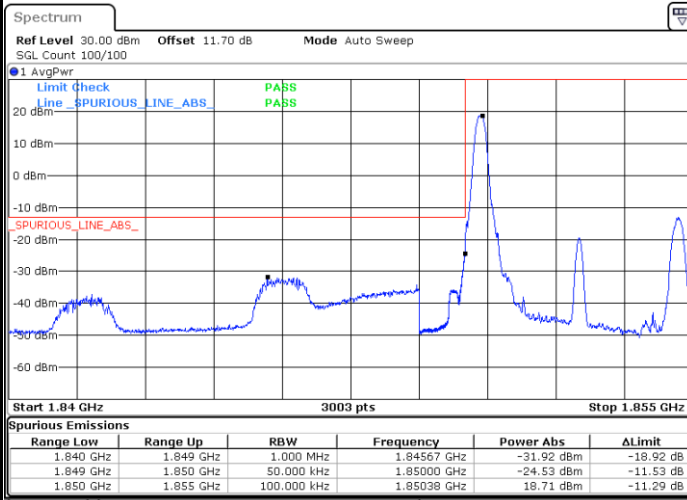




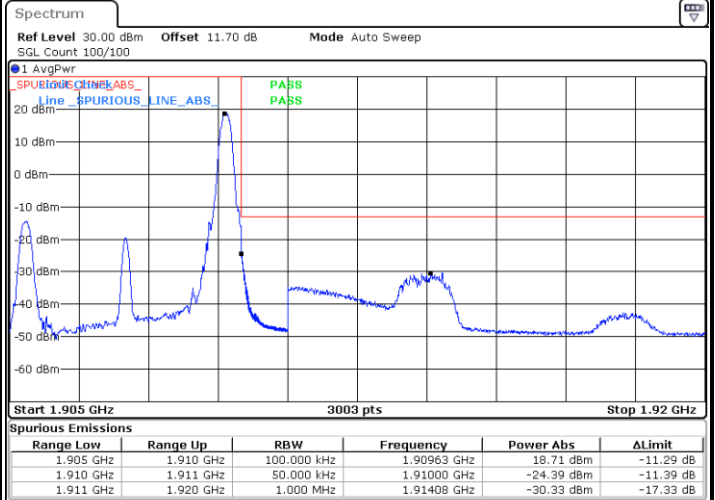
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



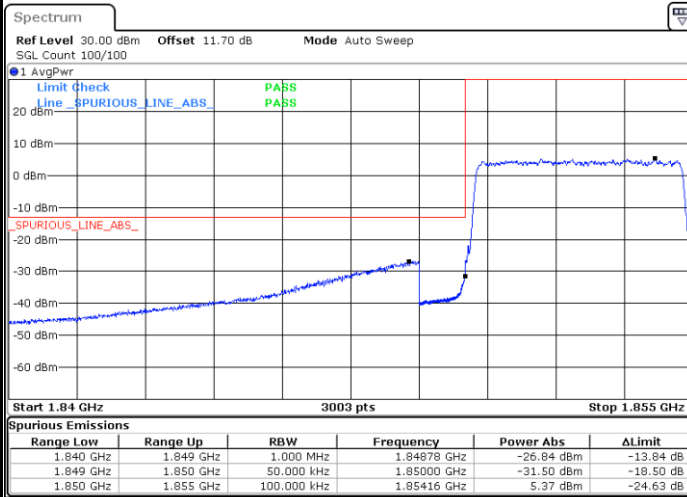
Date: 9 JUL 2017 21:25:39

Highest Band Edge / 1 RB



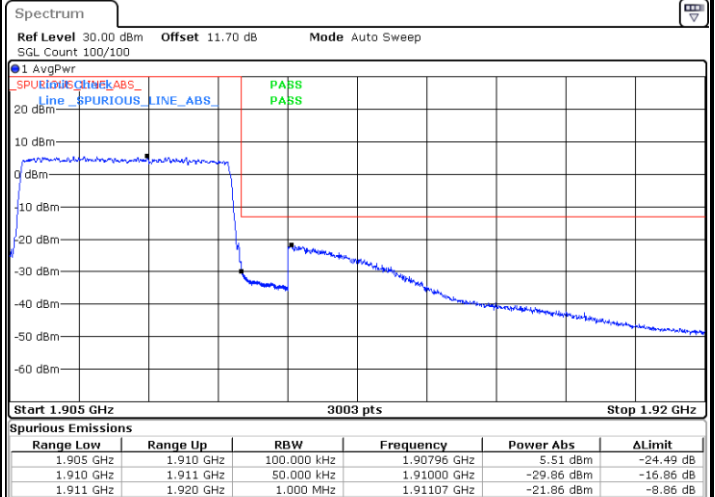
Date: 9 JUL 2017 21:35:10

Lowest Band Edge / Full RB



Date: 9 JUL 2017 21:27:56

Highest Band Edge / Full RB

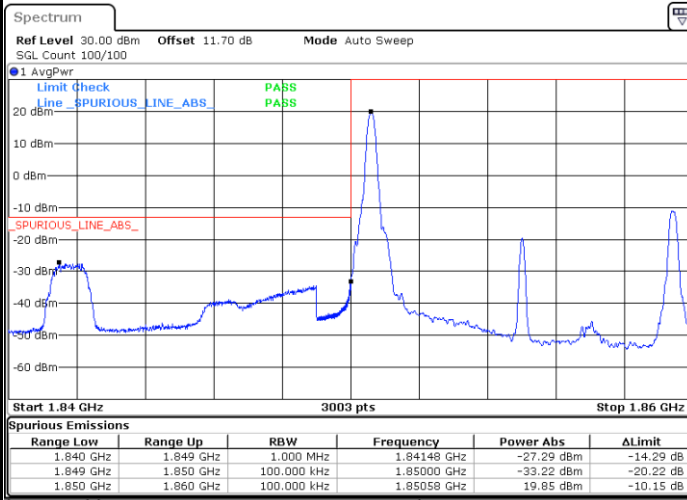


Date: 9 JUL 2017 21:37:27



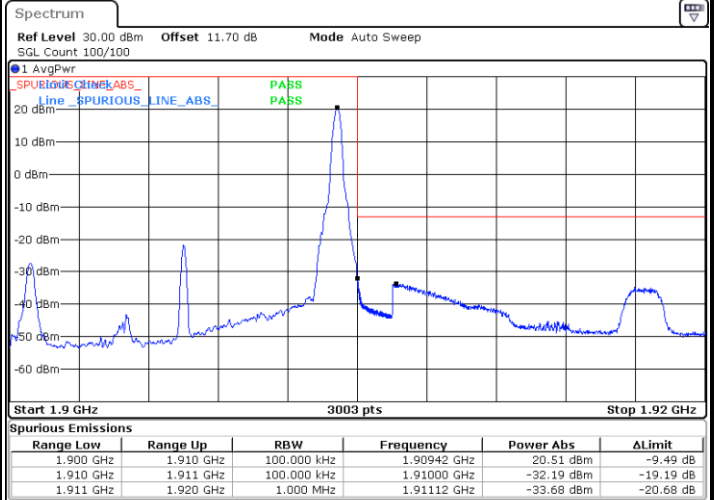
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



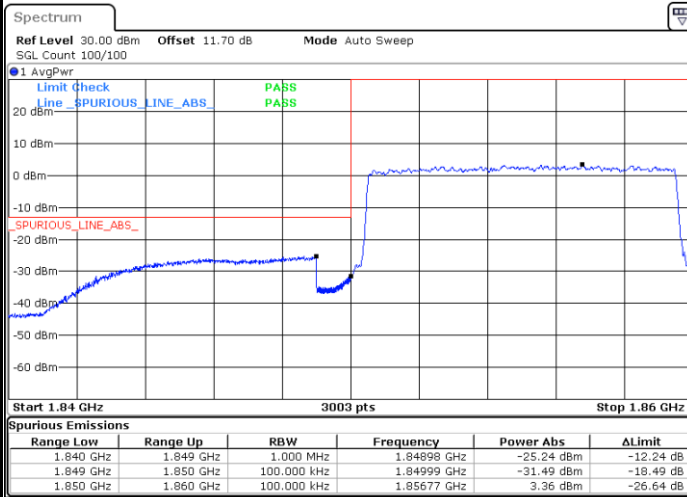
Date: 9 JUL 2017 21:41:04

Highest Band Edge / 1 RB



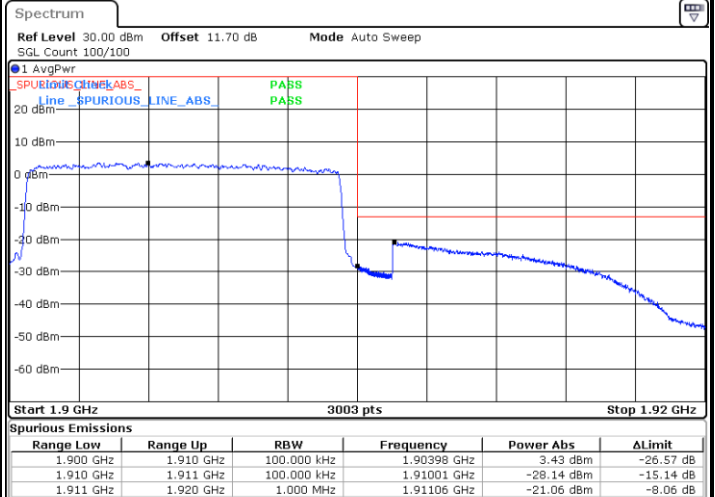
Date: 9 JUL 2017 21:50:35

Lowest Band Edge / Full RB



Date: 9 JUL 2017 21:43:22

Highest Band Edge / Full RB

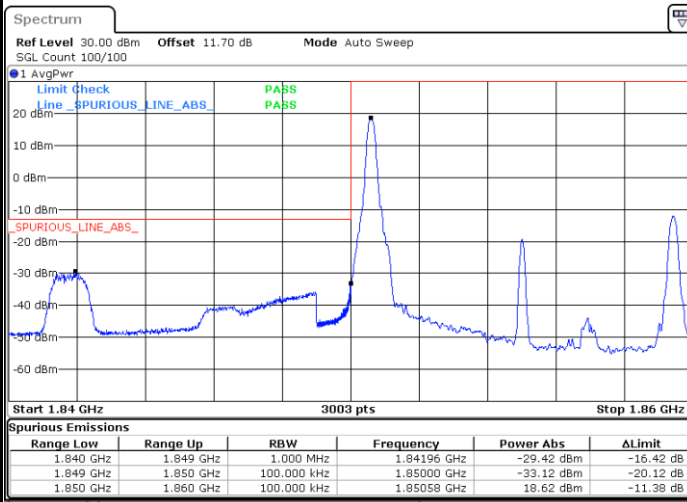


Date: 9 JUL 2017 21:52:53



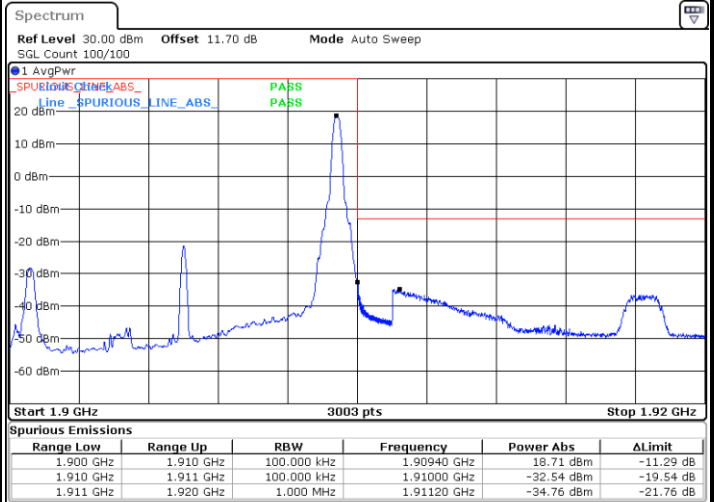
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



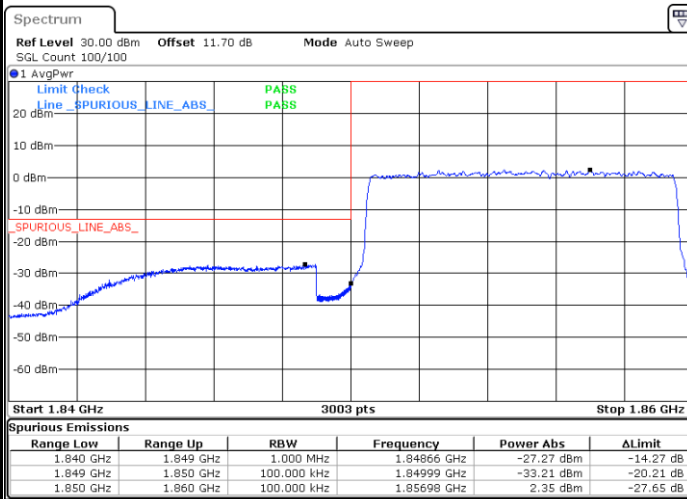
Date: 9 JUL 2017 21:42:13

Highest Band Edge / 1 RB



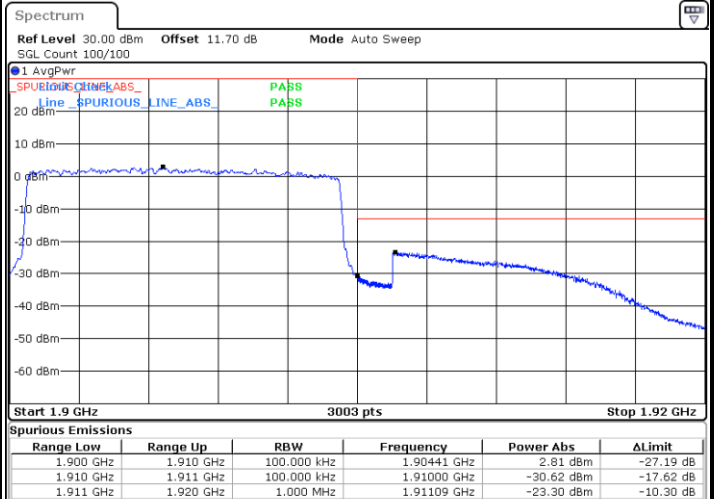
Date: 9 JUL 2017 21:51:44

Lowest Band Edge / Full RB



Date: 9 JUL 2017 21:44:30

Highest Band Edge / Full RB

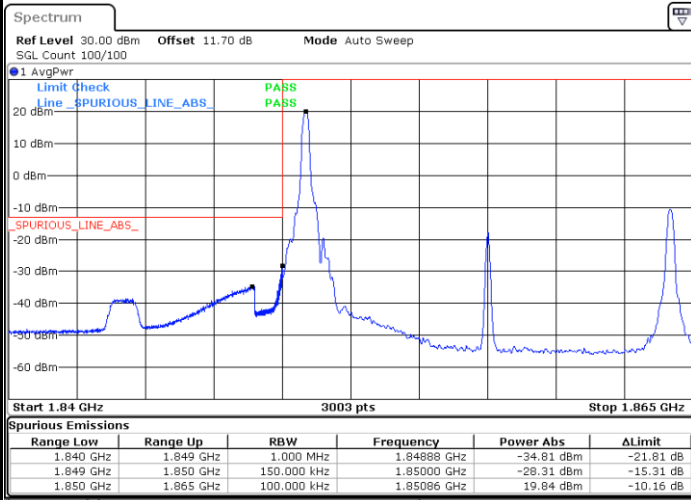


Date: 9 JUL 2017 21:54:01



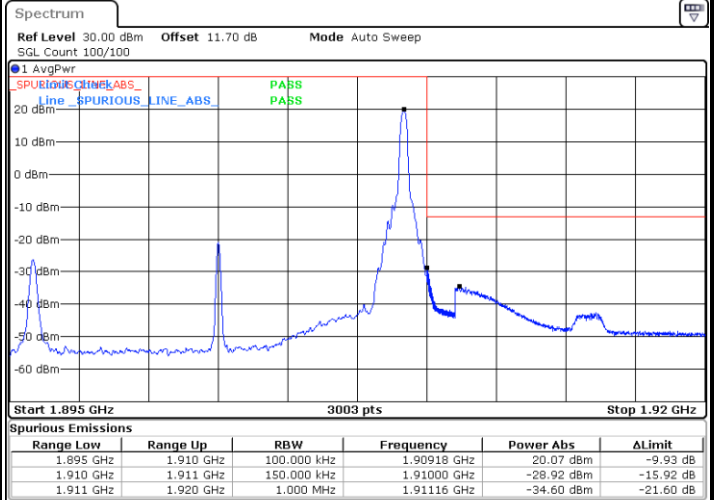
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



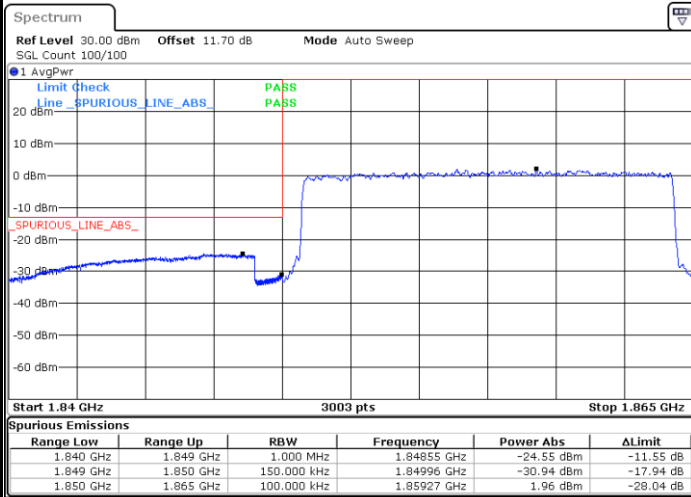
Date: 9 JUL 2017 21:57:38

Highest Band Edge / 1 RB



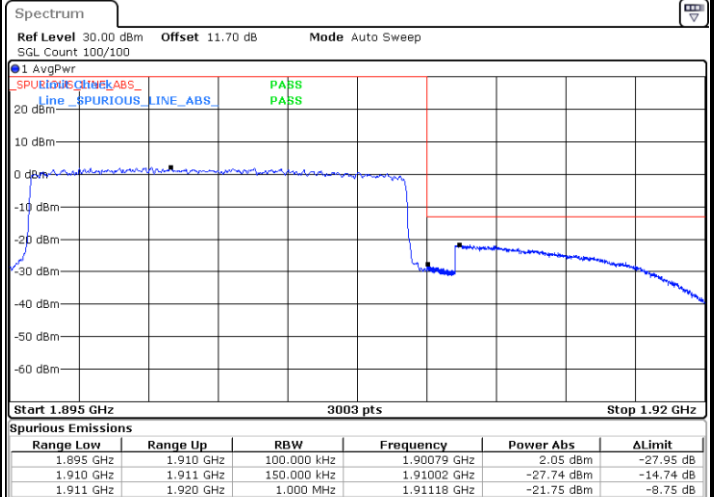
Date: 9 JUL 2017 22:07:09

Lowest Band Edge / Full RB



Date: 9 JUL 2017 21:59:56

Highest Band Edge / Full RB

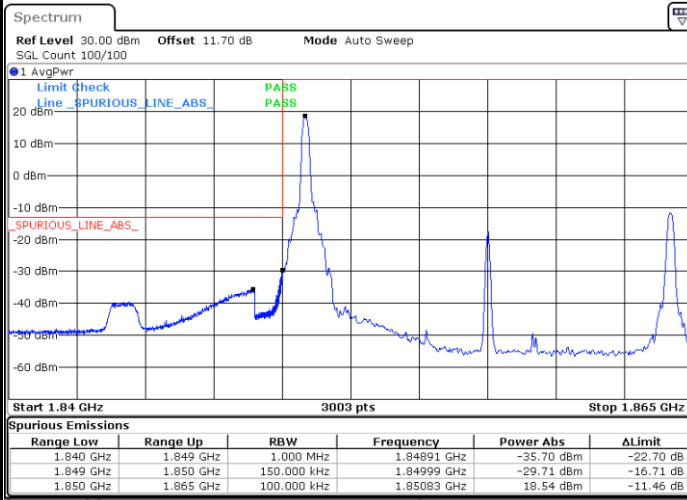


Date: 9 JUL 2017 22:09:27



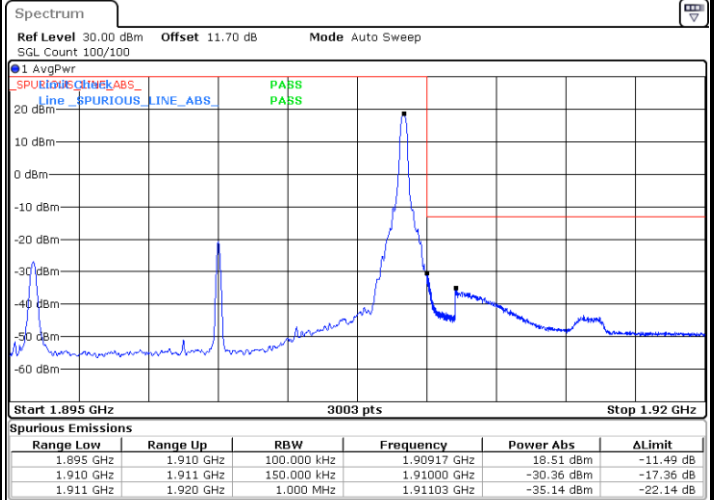
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



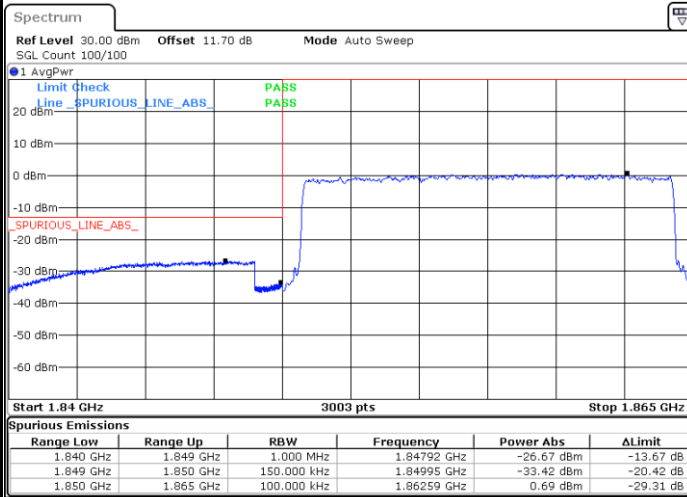
Date: 9 JUL 2017 21:58:47

Highest Band Edge / 1 RB



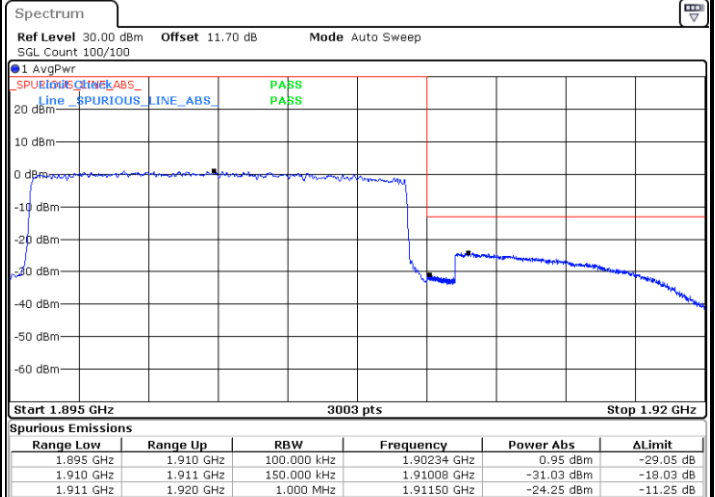
Date: 9 JUL 2017 22:08:18

Lowest Band Edge / Full RB



Date: 9 JUL 2017 22:01:04

Highest Band Edge / Full RB

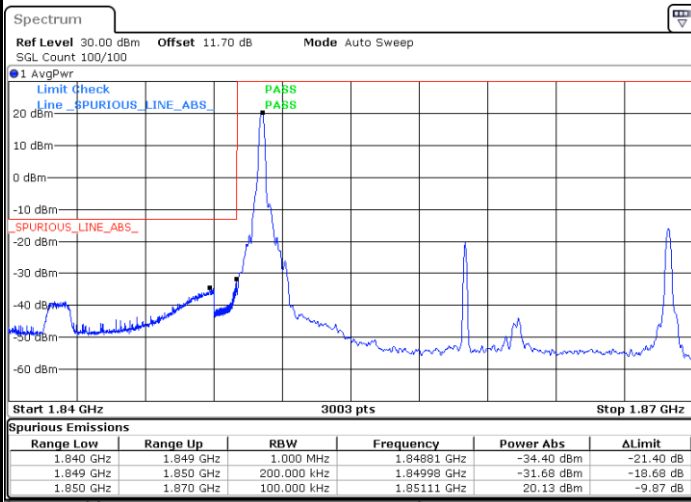


Date: 9 JUL 2017 22:10:36



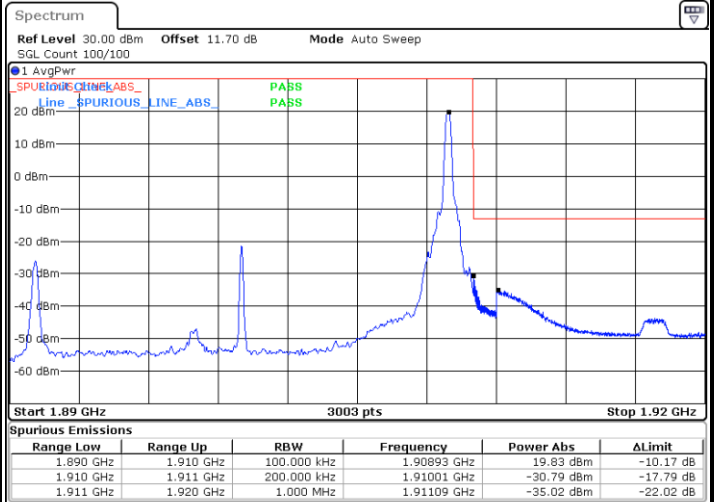
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



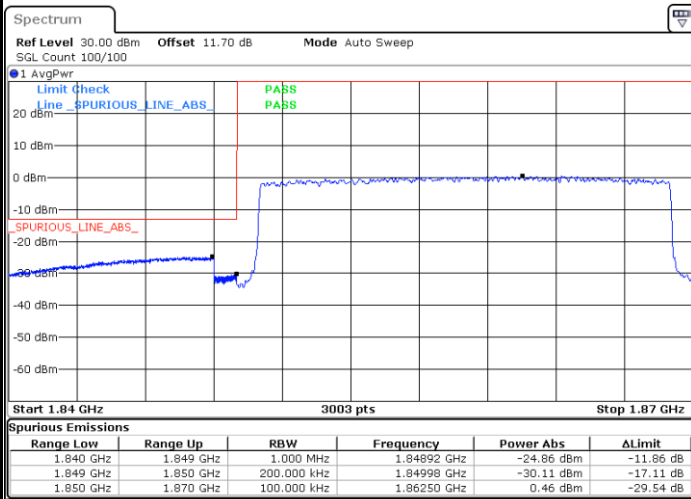
Date: 9 JUL 2017 22:14:13

Highest Band Edge / 1 RB



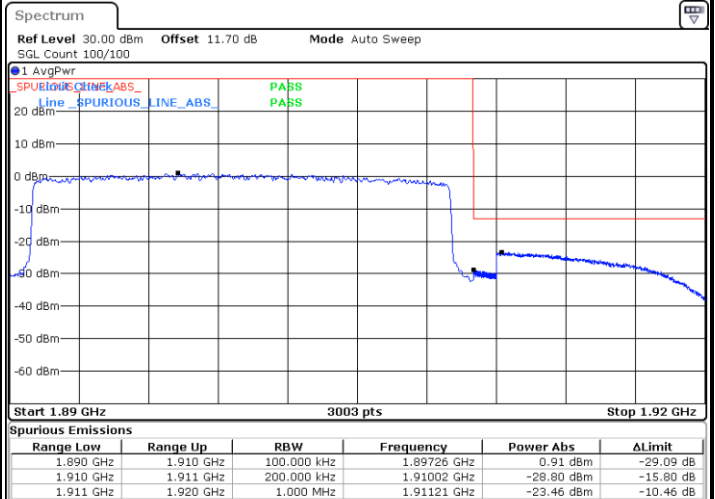
Date: 9 JUL 2017 22:23:44

Lowest Band Edge / Full RB



Date: 9 JUL 2017 22:16:30

Highest Band Edge / Full RB

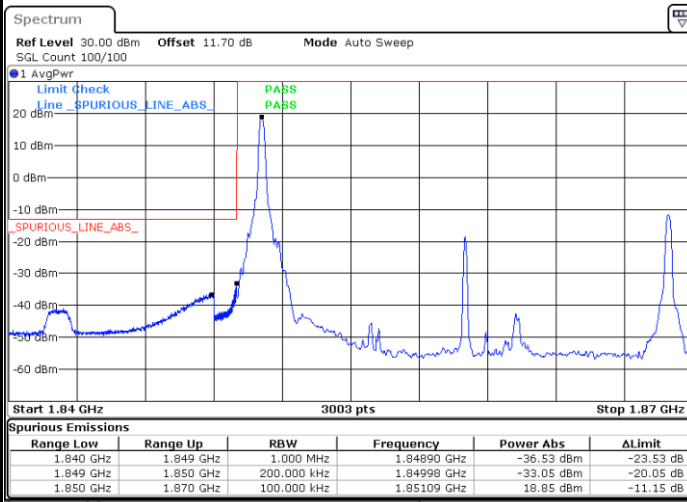


Date: 9 JUL 2017 22:26:01



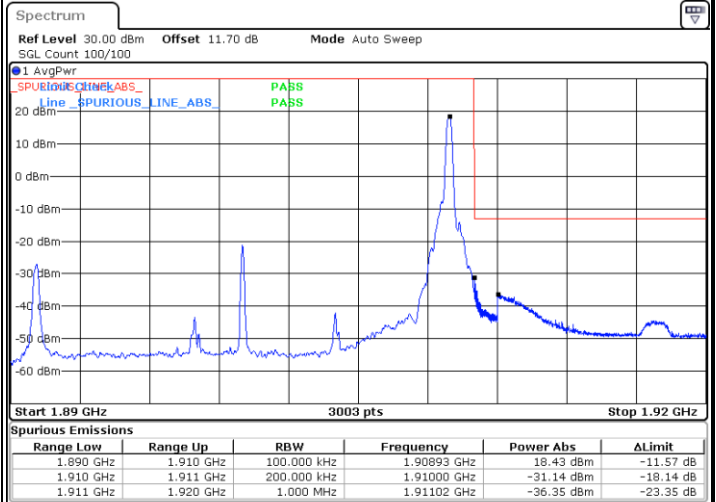
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



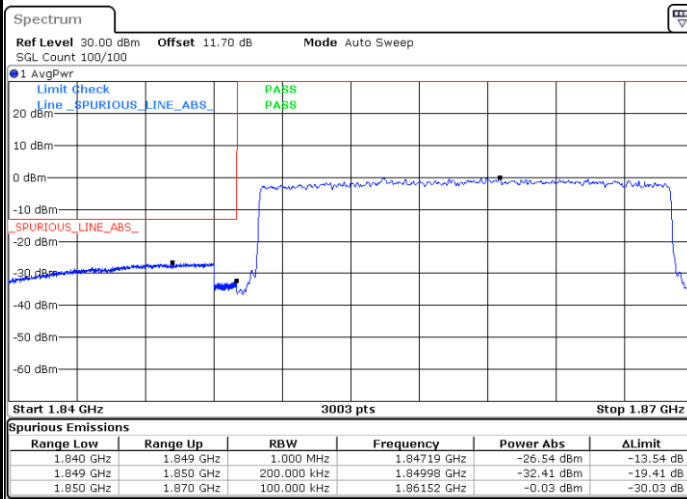
Date: 9 JUL 2017 22:15:21

Highest Band Edge / 1 RB



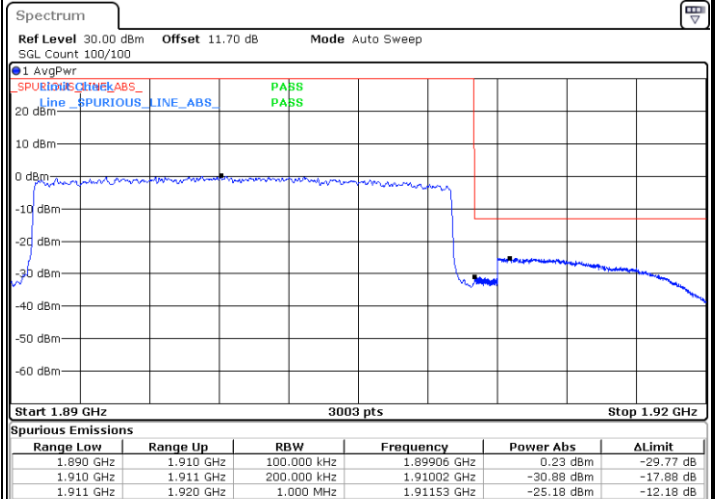
Date: 9 JUL 2017 22:24:52

Lowest Band Edge / Full RB



Date: 9 JUL 2017 22:17:39

Highest Band Edge / Full RB



Date: 9 JUL 2017 22:27:10



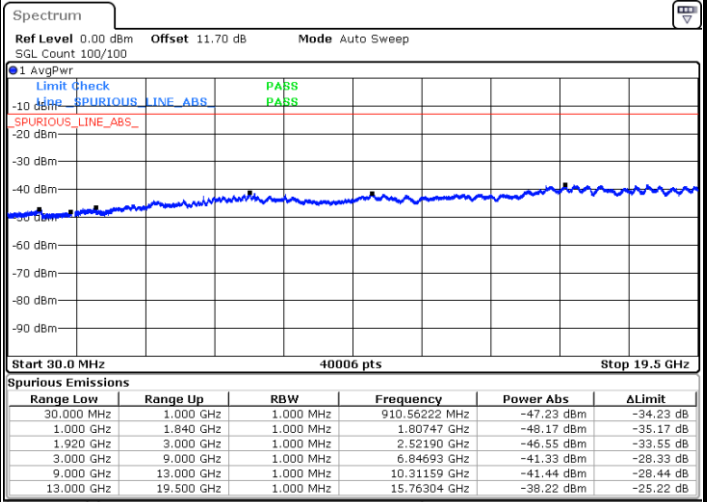
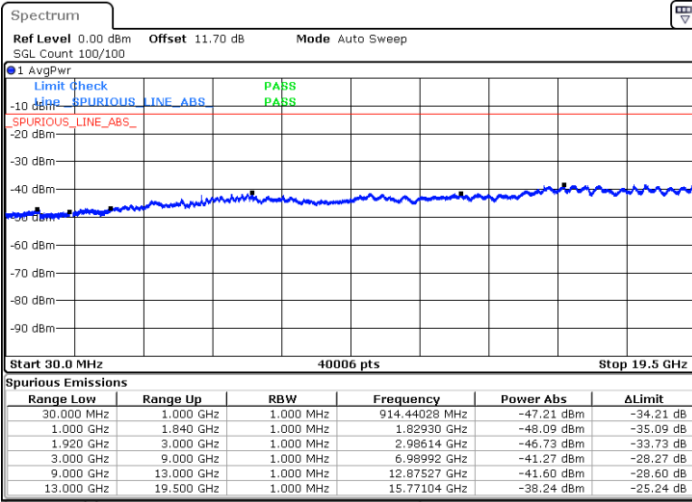
Conducted Spurious Emission



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

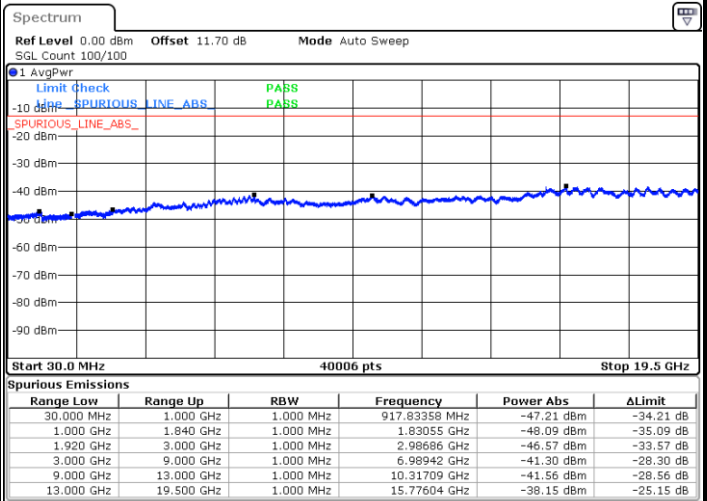
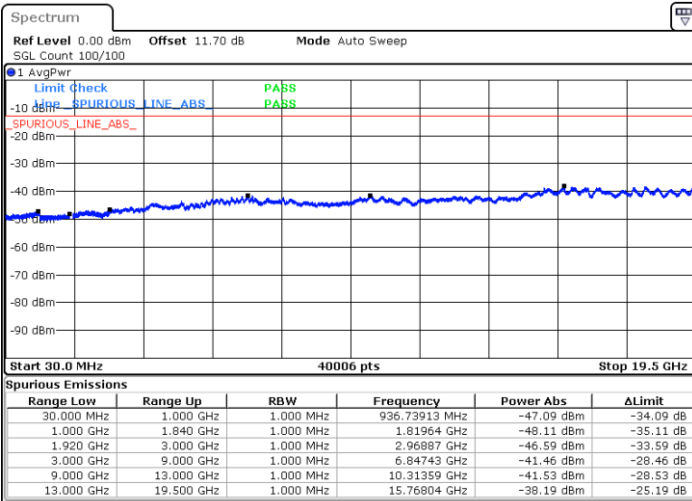


Date: 9 JUL 2017 22:40:13

Date: 9 JUL 2017 22:41:07

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 9 JUL 2017 22:42:41

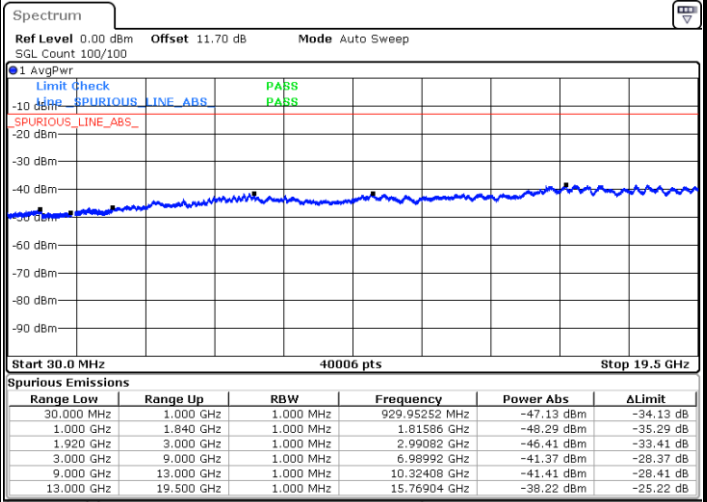
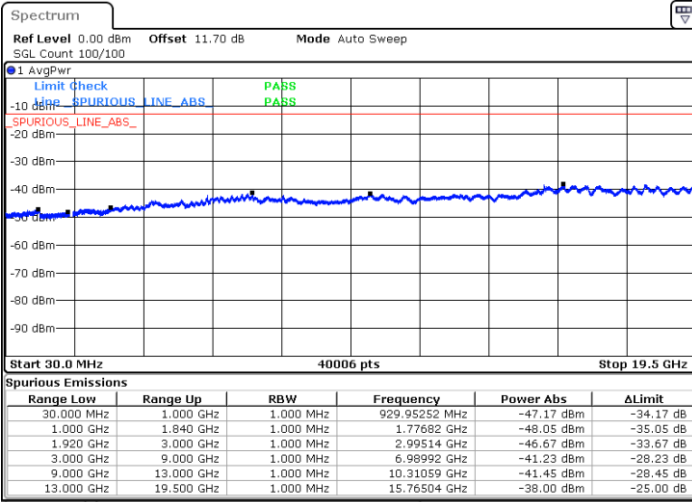
Date: 9 JUL 2017 22:43:35



LTE Band 2 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



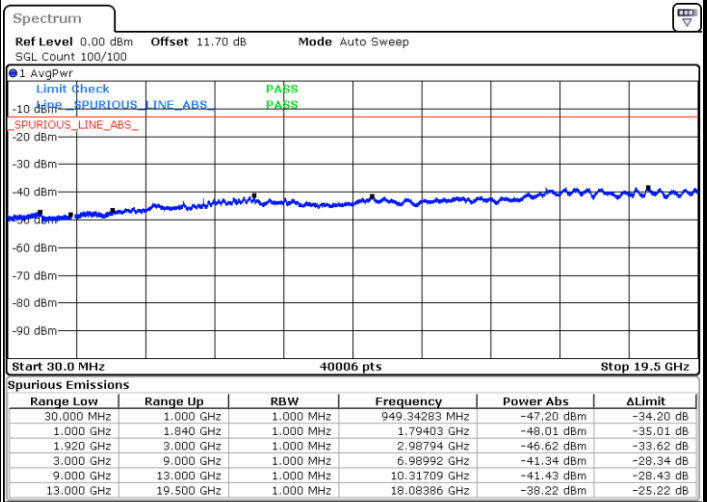
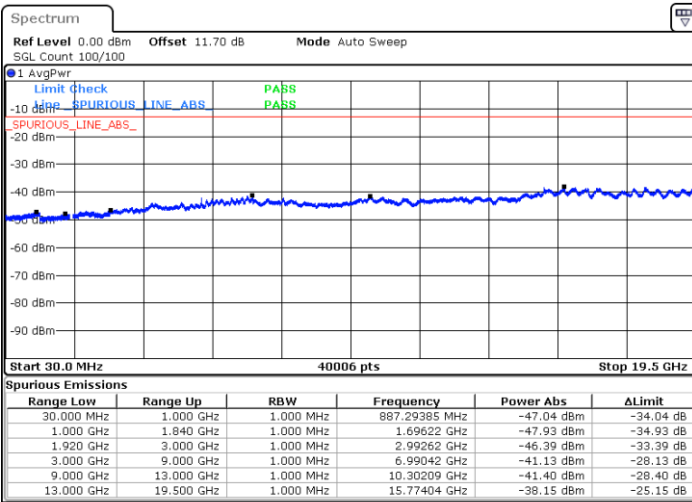
Date: 9 JUL 2017 22:49:44

Date: 9 JUL 2017 22:50:38

LTE Band 2 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 9 JUL 2017 21:12:16

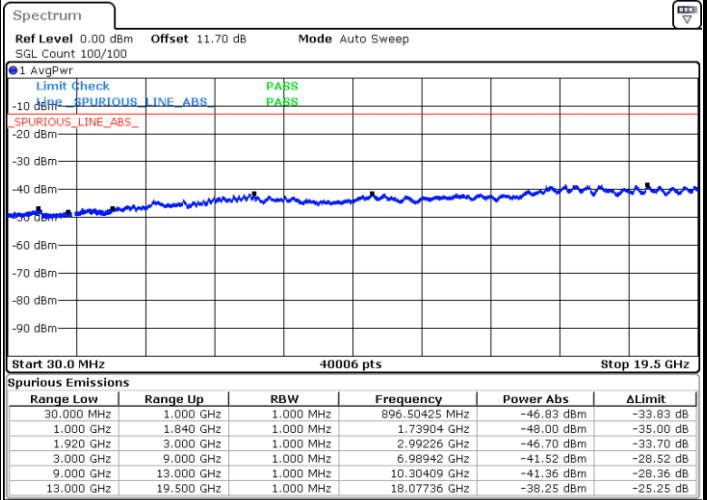
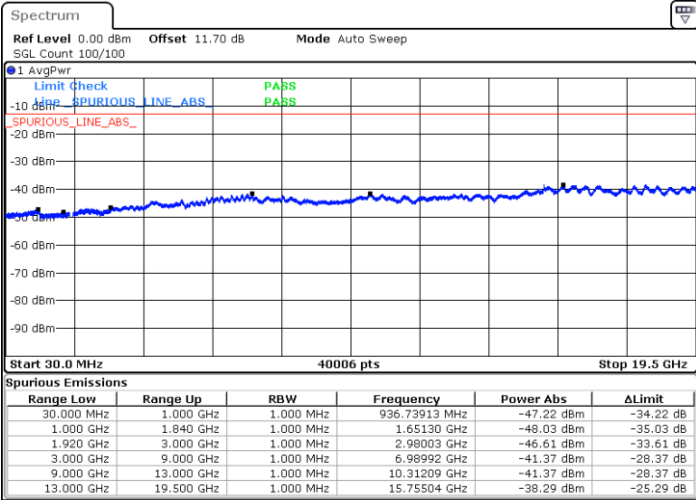
Date: 9 JUL 2017 21:13:10



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

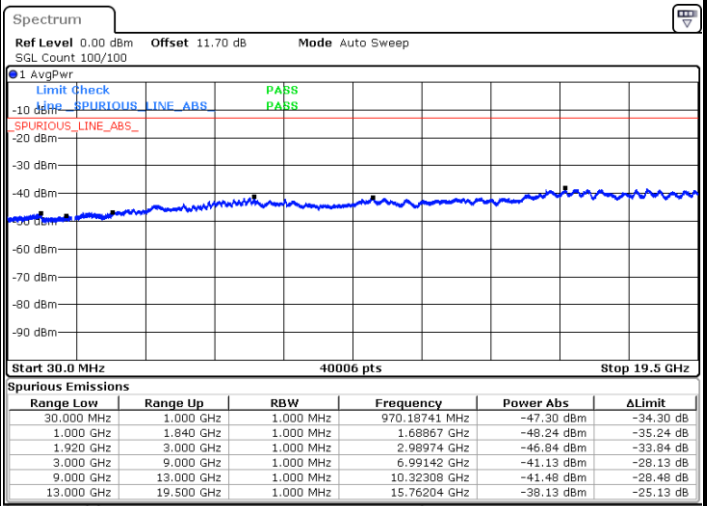
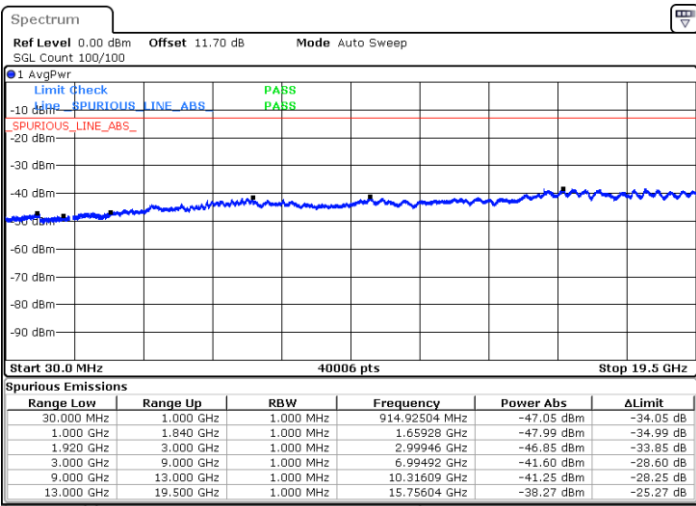


Date: 9 JUL 2017 21:14:45

Date: 9 JUL 2017 21:15:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9 JUL 2017 21:21:48

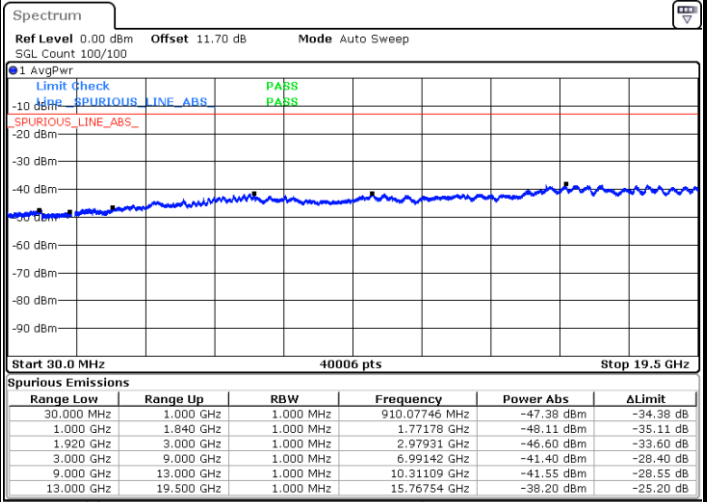
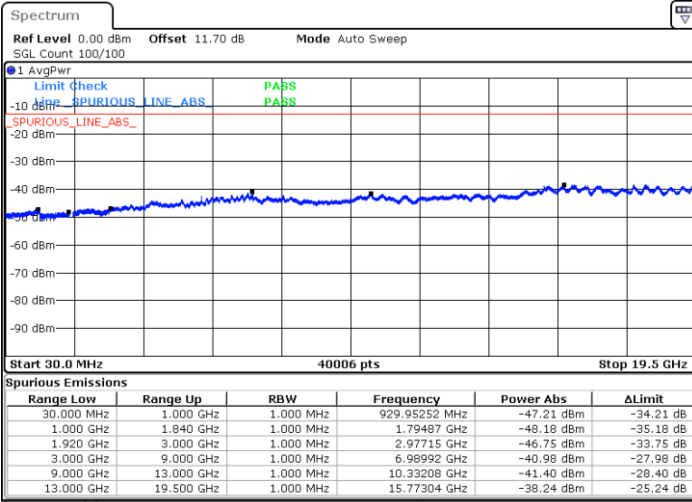
Date: 9 JUL 2017 21:22:42



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

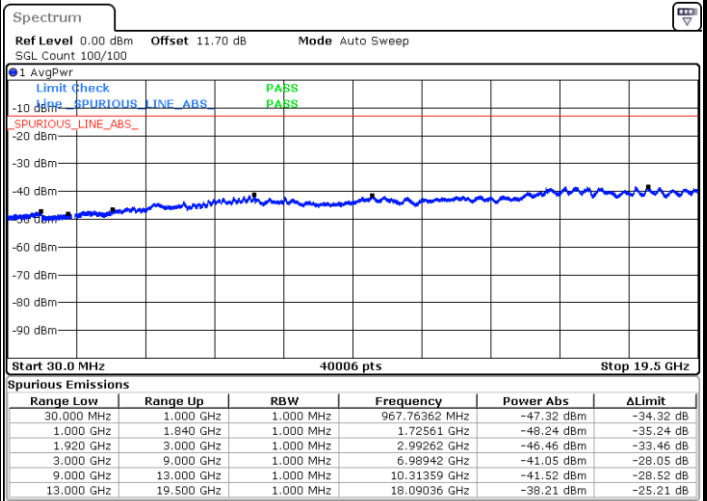
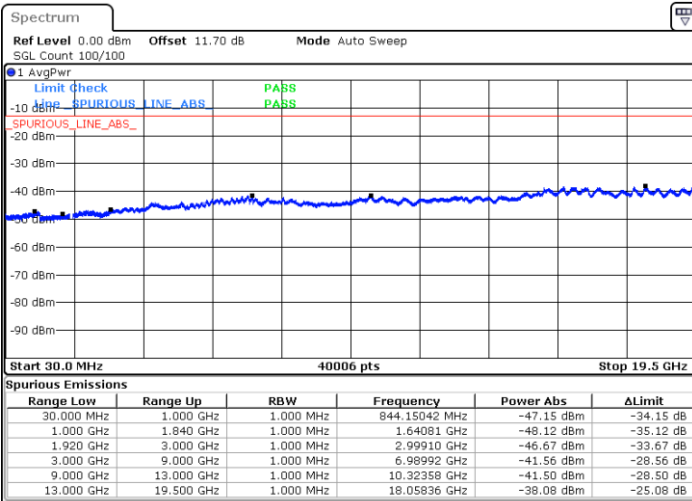


Date: 9 JUL 2017 21:28:51

Date: 9 JUL 2017 21:29:45

Middle Channel / QPSK

Middle Channel / 16QAM



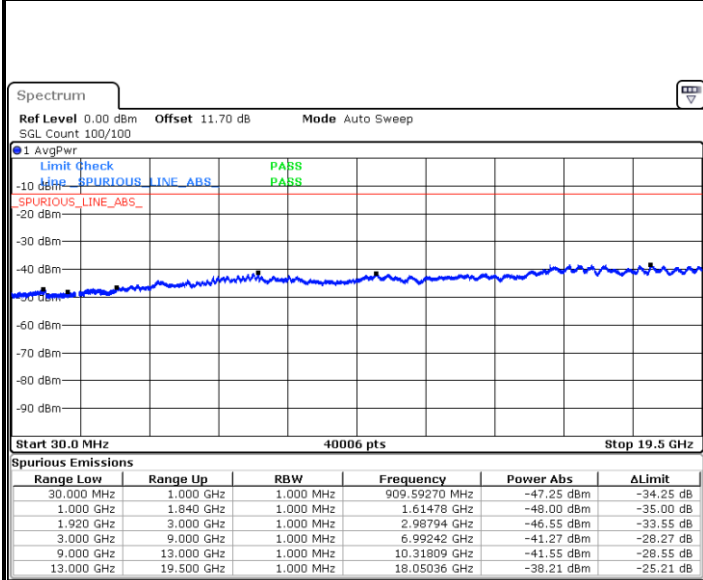
Date: 9 JUL 2017 21:31:19

Date: 9 JUL 2017 21:32:13



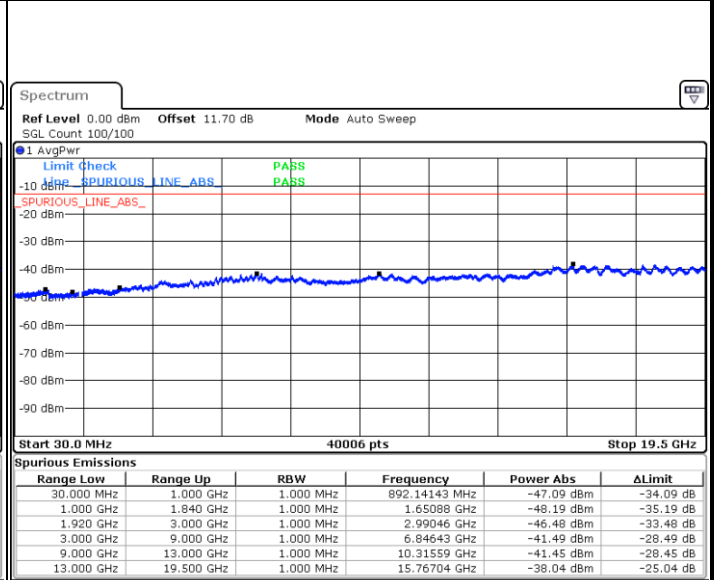
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 9 JUL 2017 21:38:22

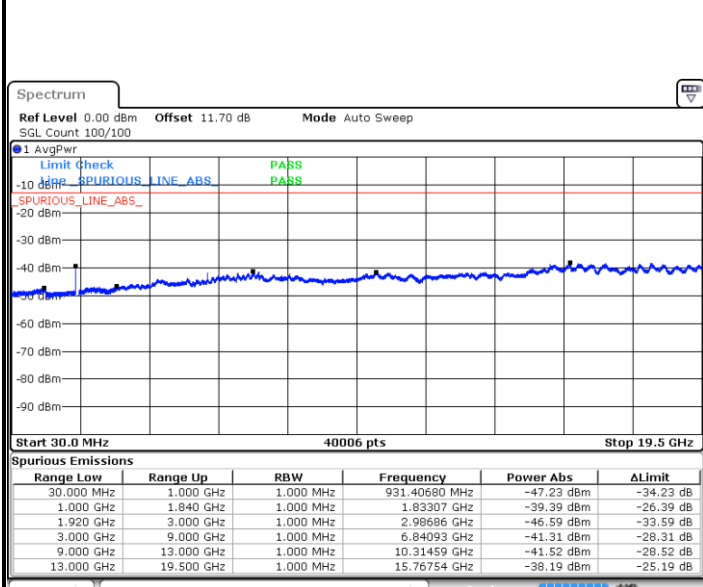
Highest Channel / 16QAM



Date: 9 JUL 2017 21:39:16

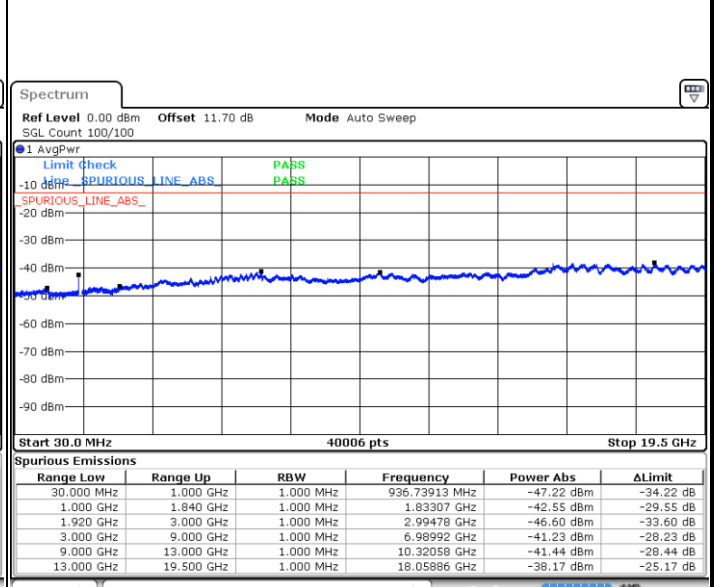
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 9 JUL 2017 21:45:25

Lowest Channel / 16QAM



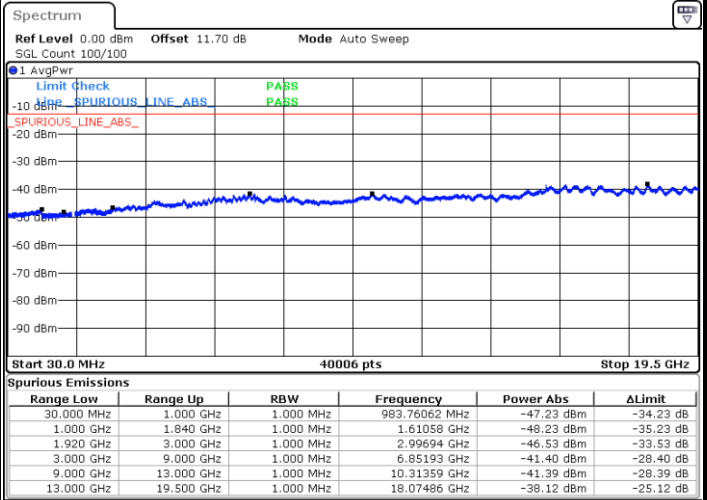
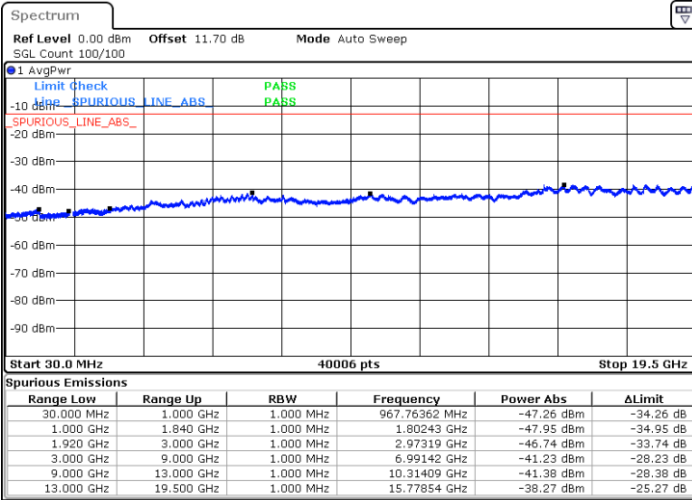
Date: 9 JUL 2017 21:46:19



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

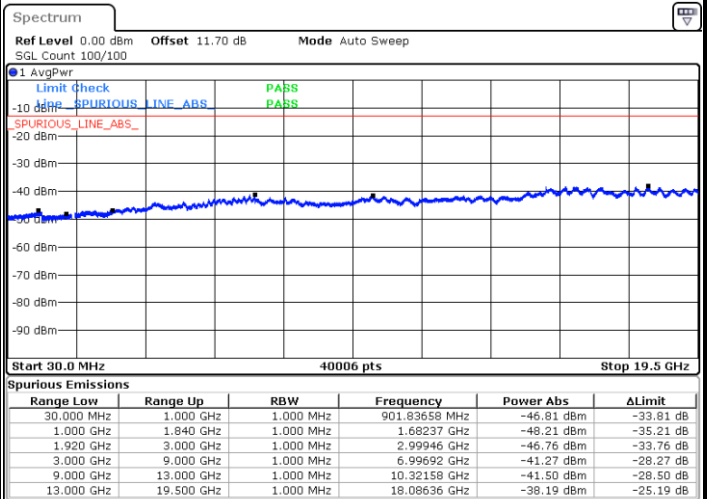
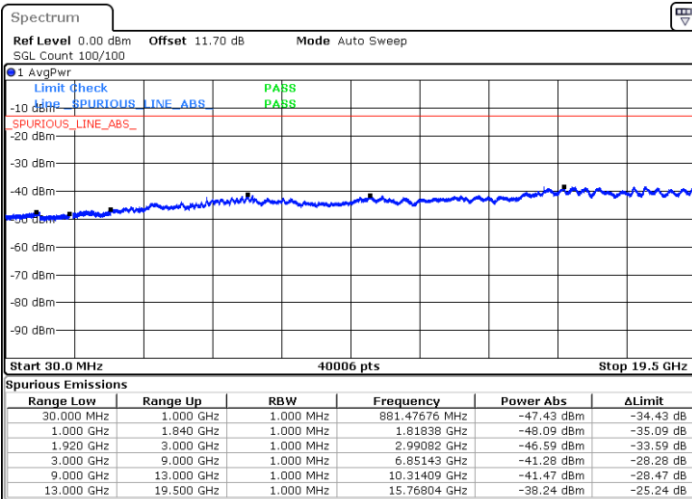


Date: 9 JUL 2017 21:47:53

Date: 9 JUL 2017 21:48:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9 JUL 2017 21:54:56

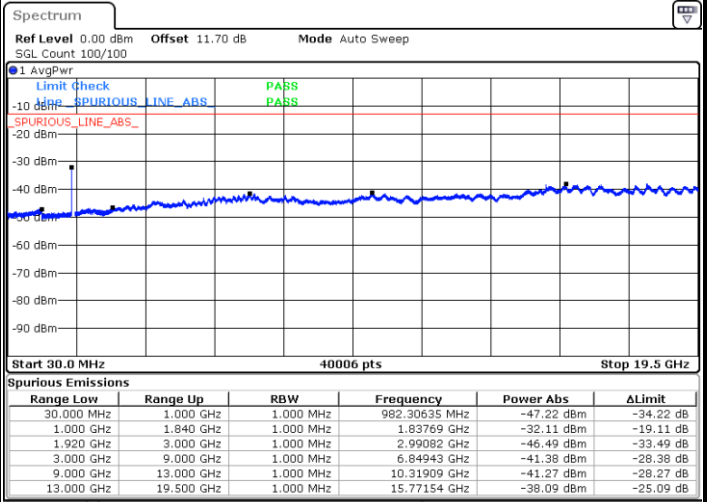
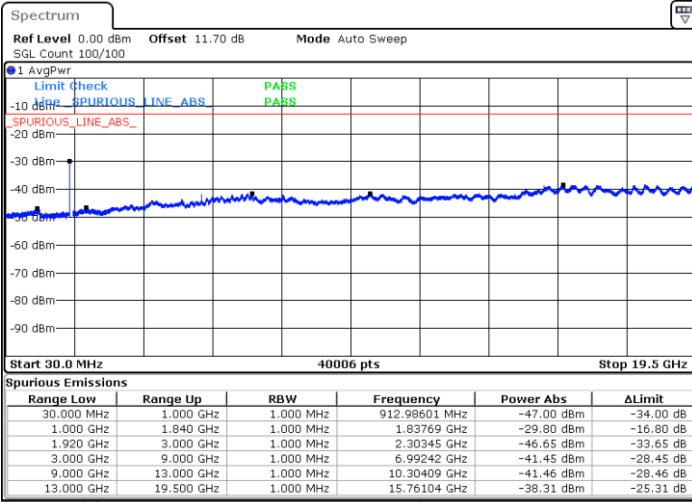
Date: 9 JUL 2017 21:55:50



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

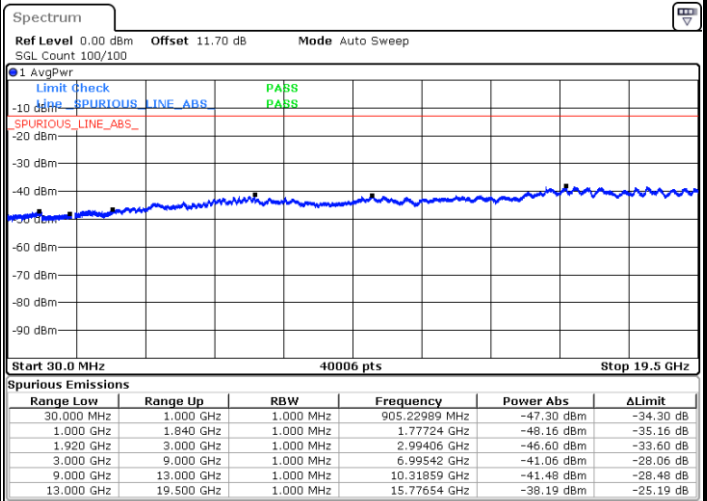
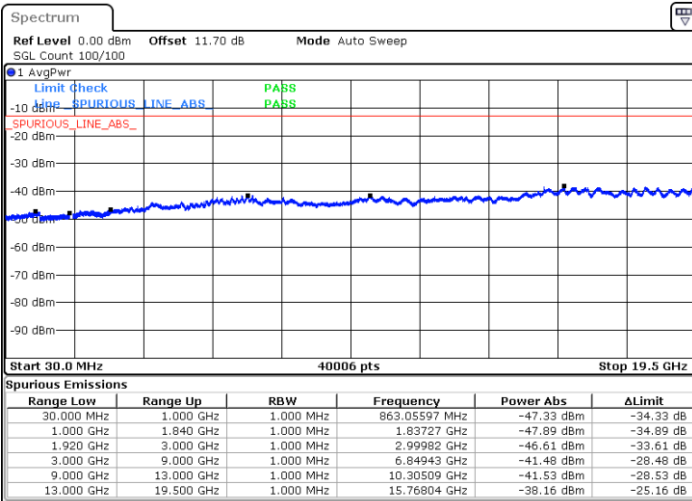


Date: 9 JUL 2017 22:01:59

Date: 9 JUL 2017 22:02:53

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 9 JUL 2017 22:04:27

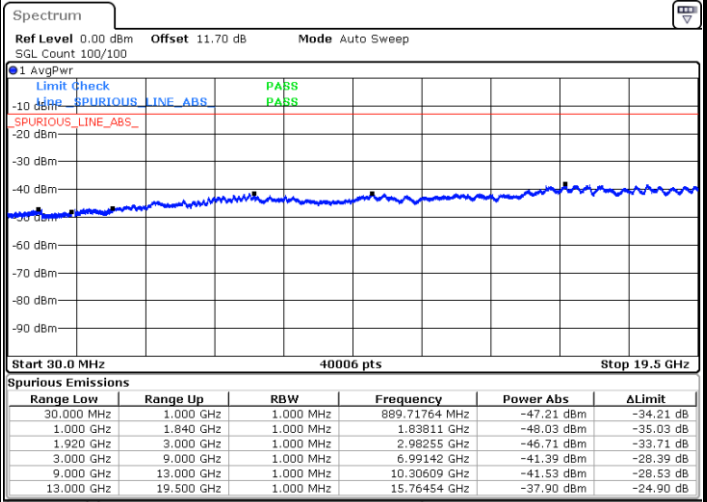
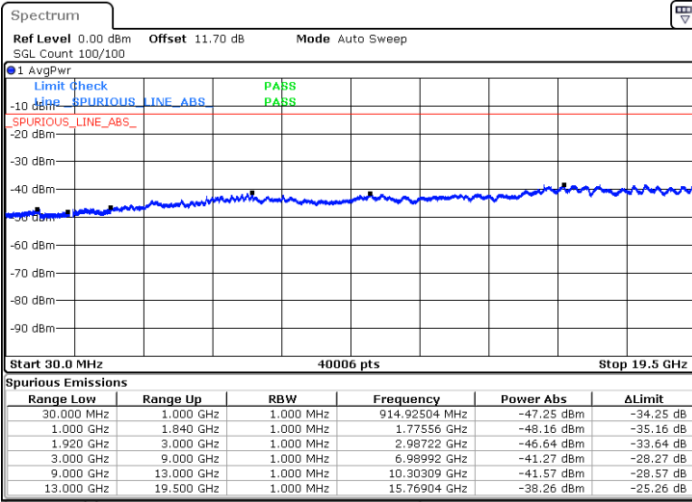
Date: 9 JUL 2017 22:05:21



LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



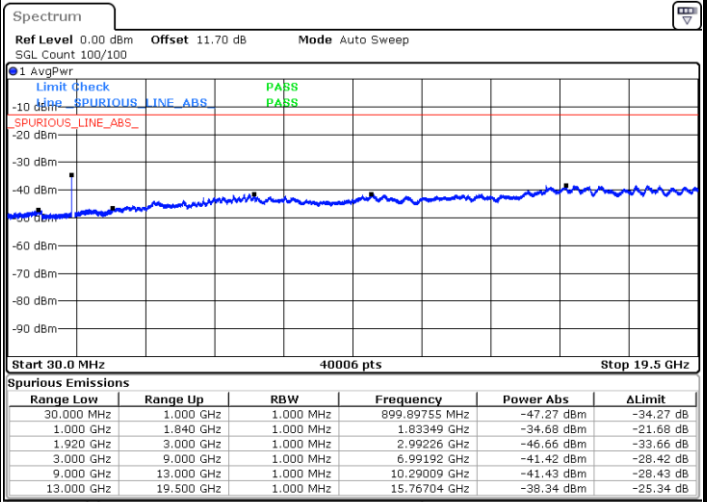
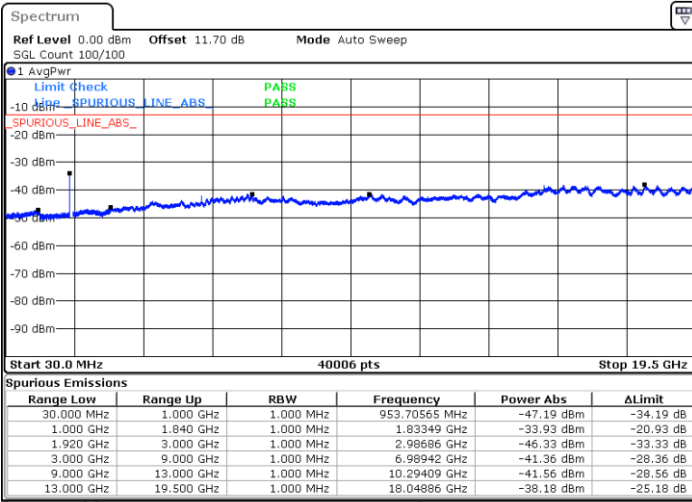
Date: 9 JUL 2017 22:11:30

Date: 9 JUL 2017 22:12:24

LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 9 JUL 2017 22:18:33

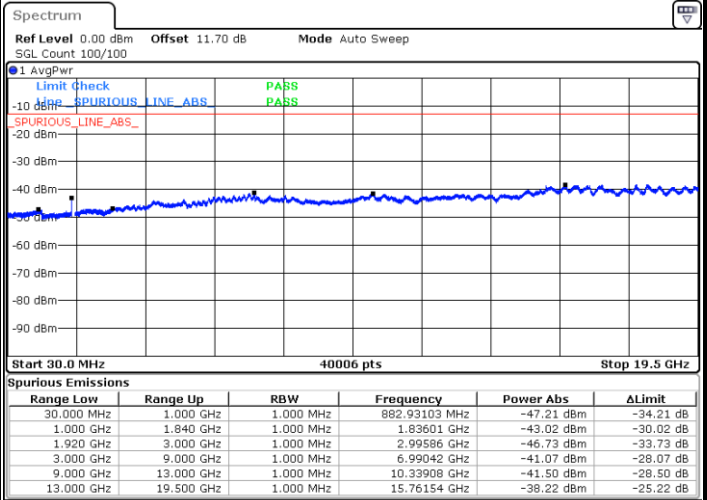
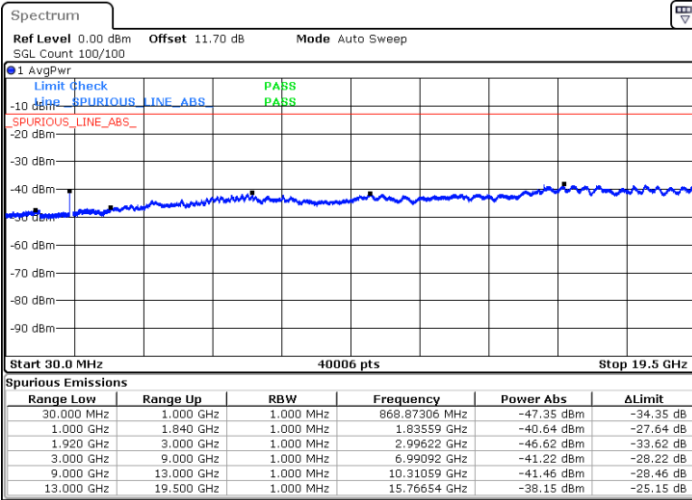
Date: 9 JUL 2017 22:19:27



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

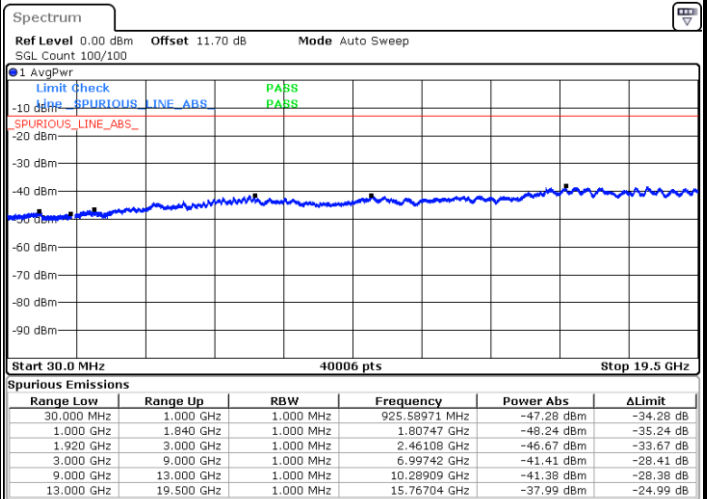
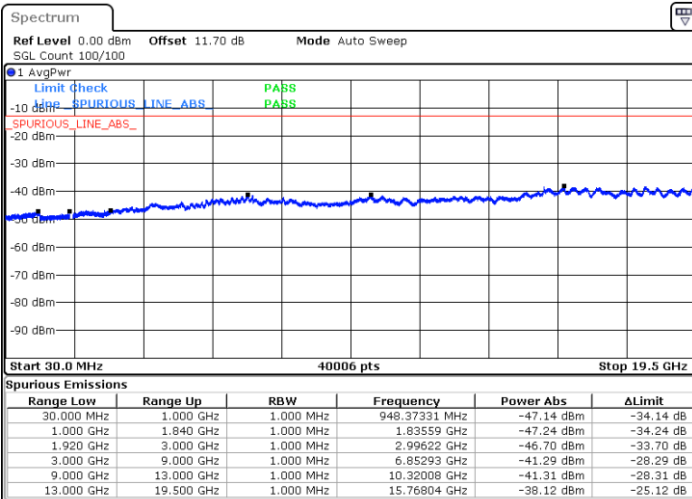


Date: 9 JUL 2017 22:21:01

Date: 9 JUL 2017 22:21:55

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9 JUL 2017 22:28:04

Date: 9 JUL 2017 22:28:58



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

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



LTE Band 4

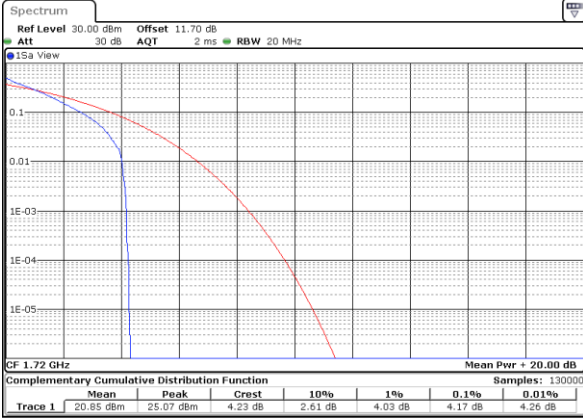
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.17	4.72	5.07	5.77	PASS
Middle CH	4.41	4.67	5.33	5.77	
Highest CH	4.06	4.58	5.42	5.74	



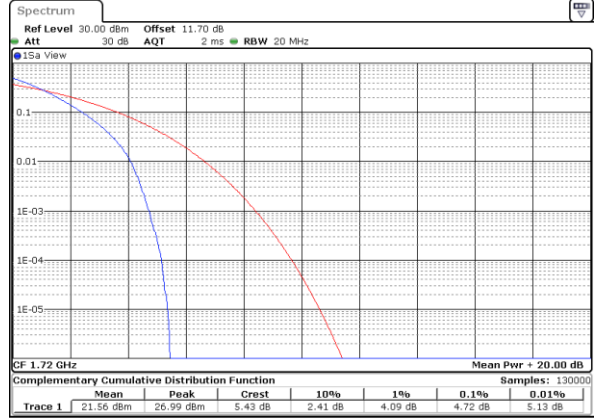
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 10 JUL 2017 00:50:32

Lowest Channel / Full RB



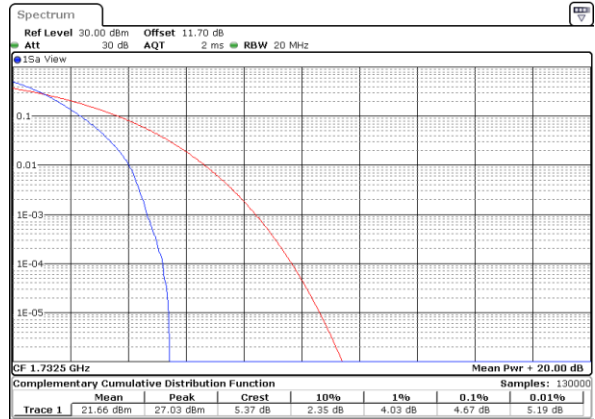
Date: 10 JUL 2017 00:50:42

Middle Channel / 1RB



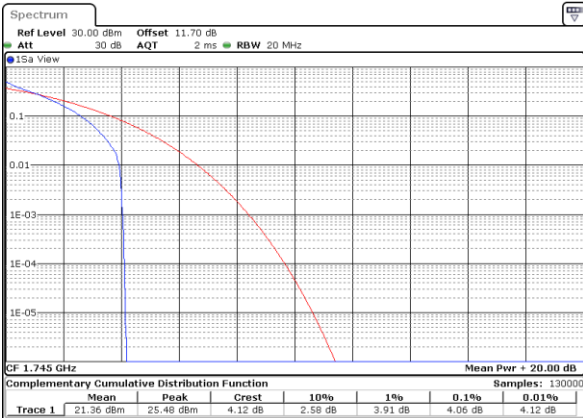
Date: 10 JUL 2017 00:54:42

Middle Channel / Full RB



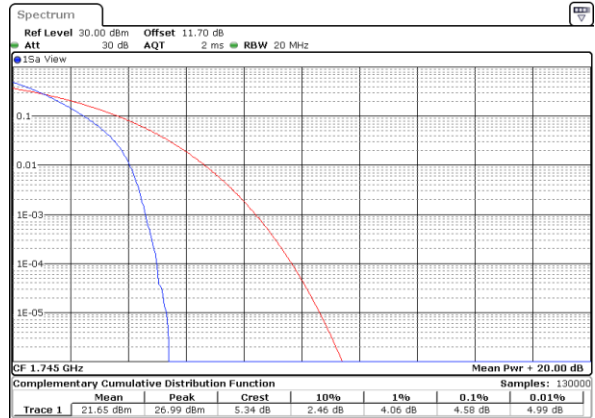
Date: 10 JUL 2017 00:54:52

Highest Channel / 1RB



Date: 10 JUL 2017 00:57:51

Highest Channel / Full RB

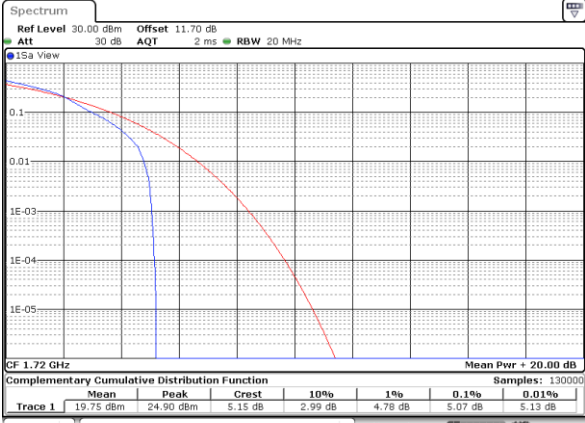


Date: 10 JUL 2017 00:58:17



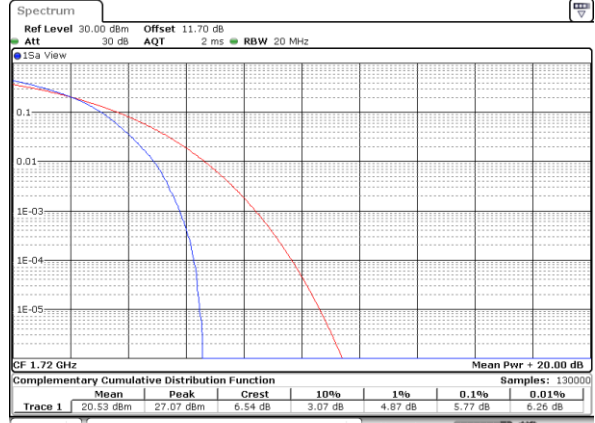
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



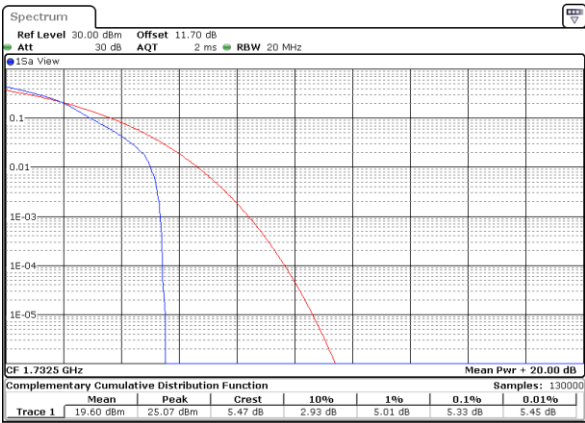
Date: 10 JUL 2017 00:49:25

Lowest Channel / Full RB



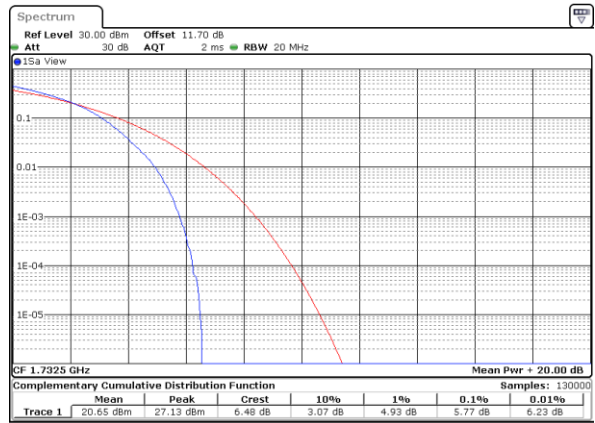
Date: 10 JUL 2017 00:49:41

Middle Channel / 1RB



Date: 10 JUL 2017 00:49:50

Middle Channel / Full RB



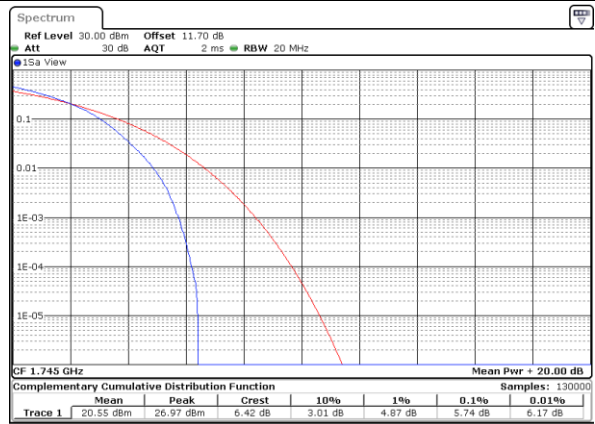
Date: 10 JUL 2017 00:49:58

Highest Channel / 1RB



Date: 10 JUL 2017 00:50:08

Highest Channel / Full RB



Date: 10 JUL 2017 00:50:16



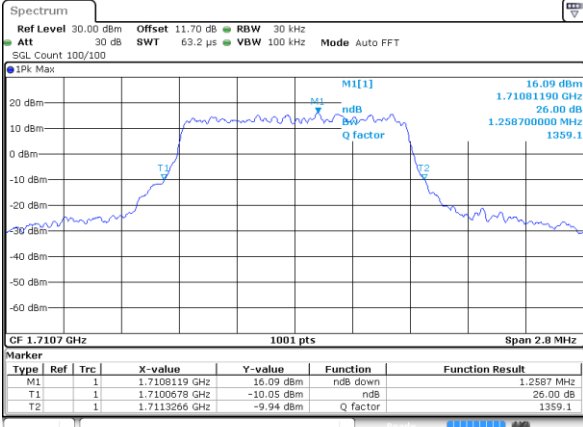
26dB Bandwidth

Mode	LTE Band 4 : 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	1.26	1.28	3.05	3.00	4.89	4.92	9.97	9.95	14.33	14.63	20.14	20.10
Middle CH	1.27	1.25	3.03	2.99	4.91	4.87	9.85	9.81	14.42	14.27	20.18	20.22
Highest CH	1.26	1.28	3.00	3.04	4.91	4.91	9.71	9.85	14.39	14.24	20.26	20.14



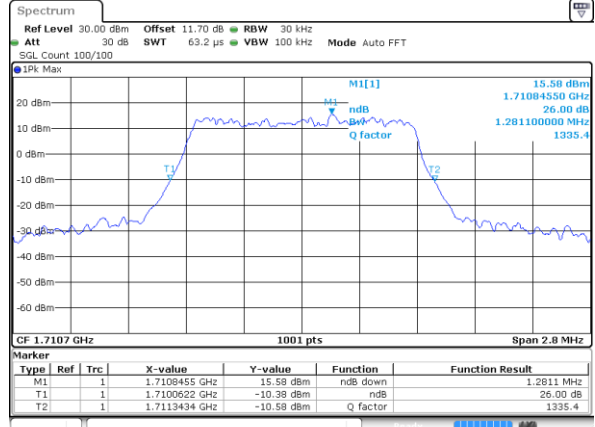
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



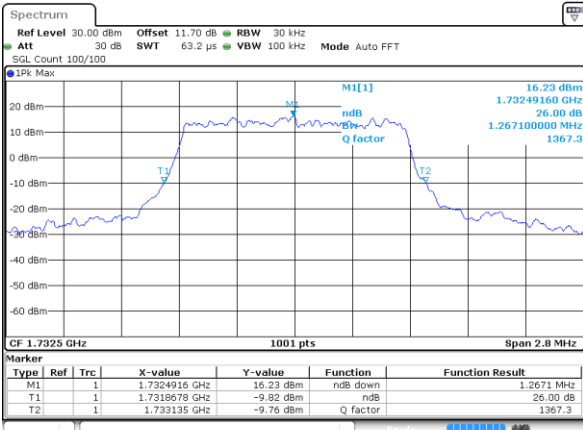
Date: 10 JUL 2017 00:29:22

Lowest Channel / 1.4MHz / 16QAM



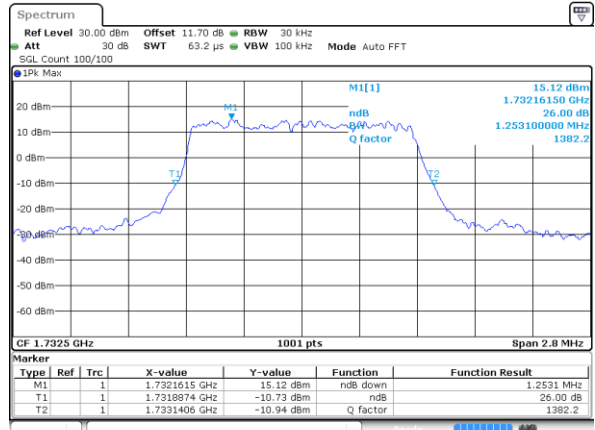
Date: 10 JUL 2017 00:29:32

Middle Channel / 1.4MHz / QPSK



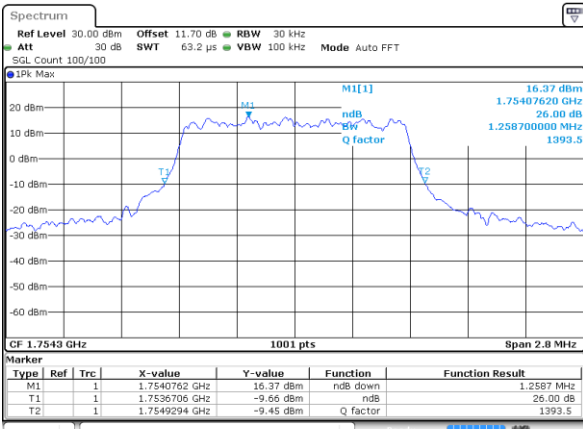
Date: 10 JUL 2017 00:36:25

Middle Channel / 1.4MHz / 16QAM



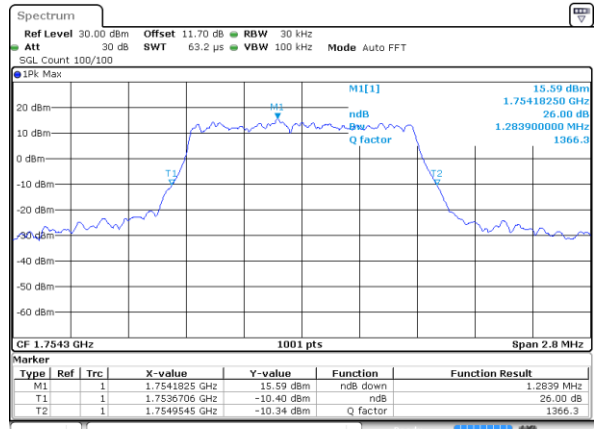
Date: 10 JUL 2017 00:36:35

Highest Channel / 1.4MHz / QPSK



Date: 10 JUL 2017 00:38:53

Highest Channel / 1.4MHz / 16QAM

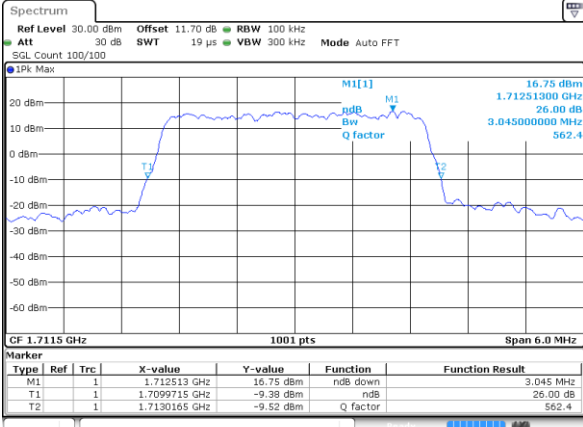


Date: 10 JUL 2017 00:39:03



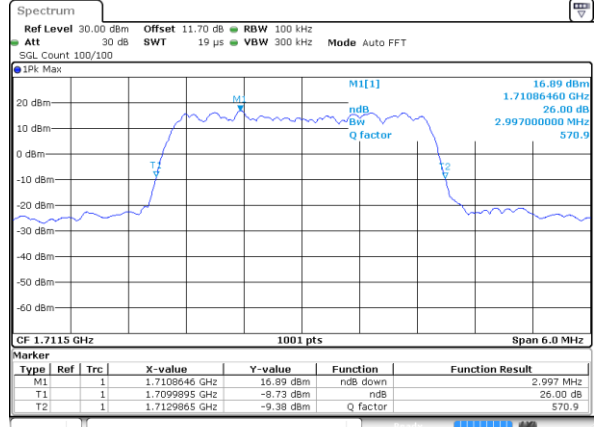
LTE Band 4

Lowest Channel / 3MHz / QPSK



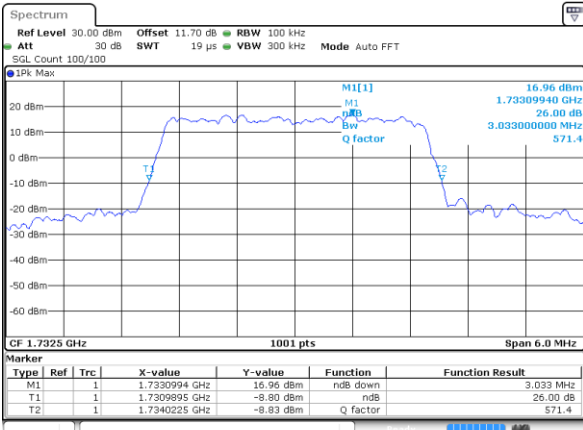
Date: 9 JUL 2017 22:57:38

Lowest Channel / 3MHz / 16QAM



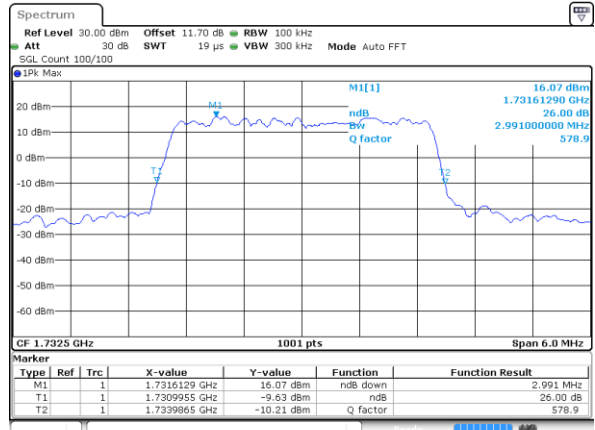
Date: 9 JUL 2017 22:57:48

Middle Channel / 3MHz / QPSK



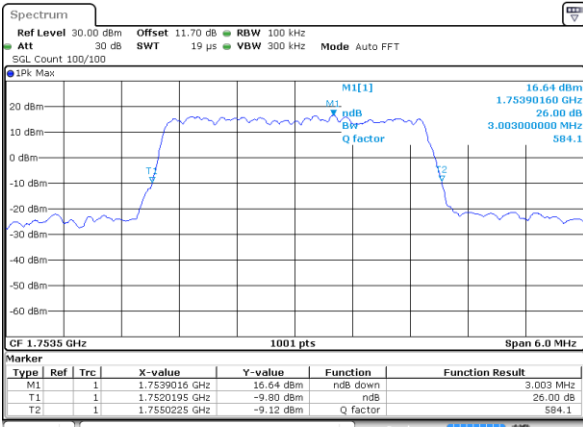
Date: 9 JUL 2017 23:04:41

Middle Channel / 3MHz / 16QAM



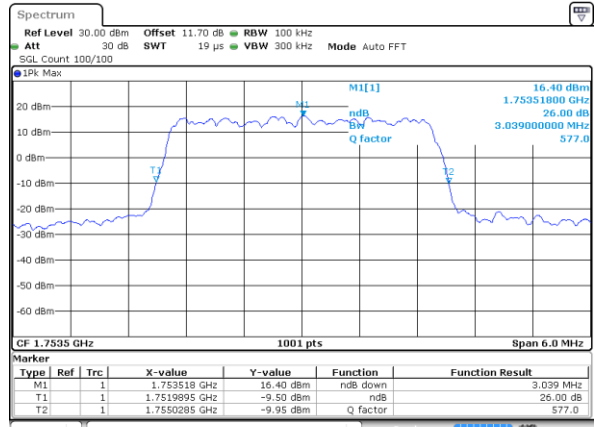
Date: 9 JUL 2017 23:04:52

Highest Channel / 3MHz / QPSK



Date: 9 JUL 2017 23:07:10

Highest Channel / 3MHz / 16QAM

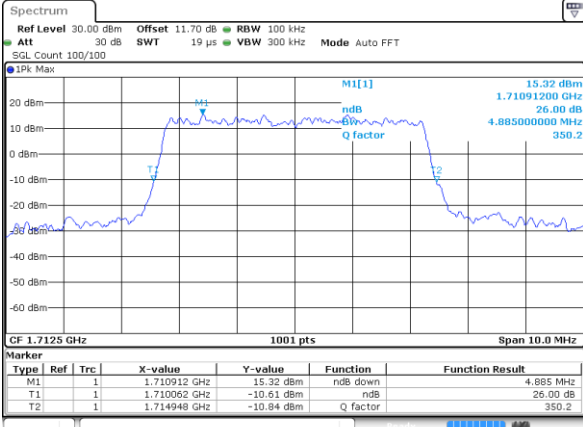


Date: 9 JUL 2017 23:07:20



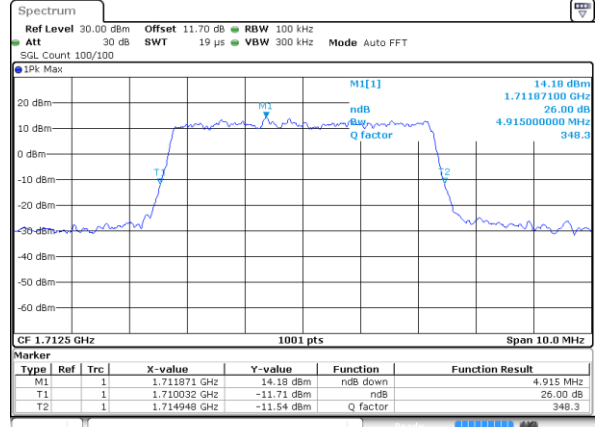
LTE Band 4

Lowest Channel / 5MHz / QPSK



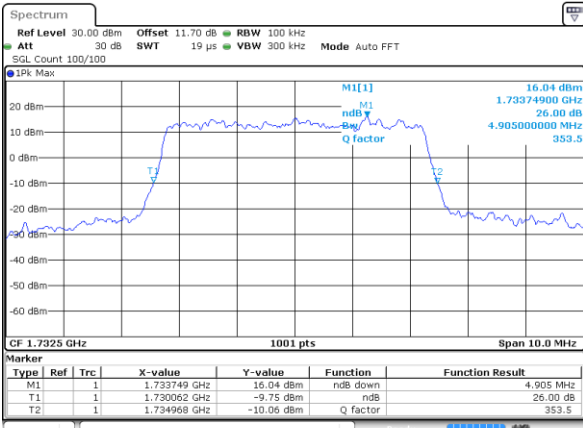
Date: 9 JUL 2017 23:14:13

Lowest Channel / 5MHz / 16QAM



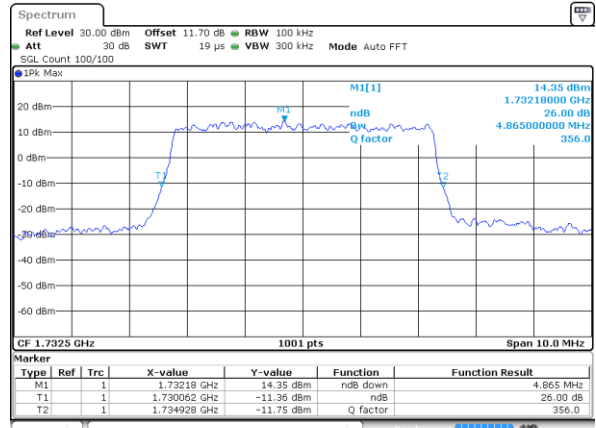
Date: 9 JUL 2017 23:14:23

Middle Channel / 5MHz / QPSK



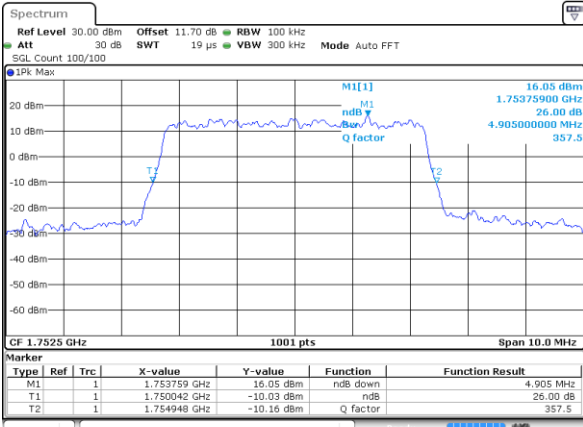
Date: 9 JUL 2017 23:21:16

Middle Channel / 5MHz / 16QAM



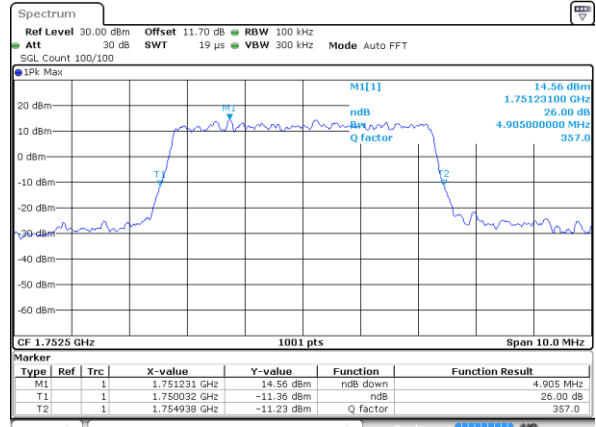
Date: 9 JUL 2017 23:21:26

Highest Channel / 5MHz / QPSK



Date: 9 JUL 2017 23:23:44

Highest Channel / 5MHz / 16QAM



Date: 9 JUL 2017 23:23:54