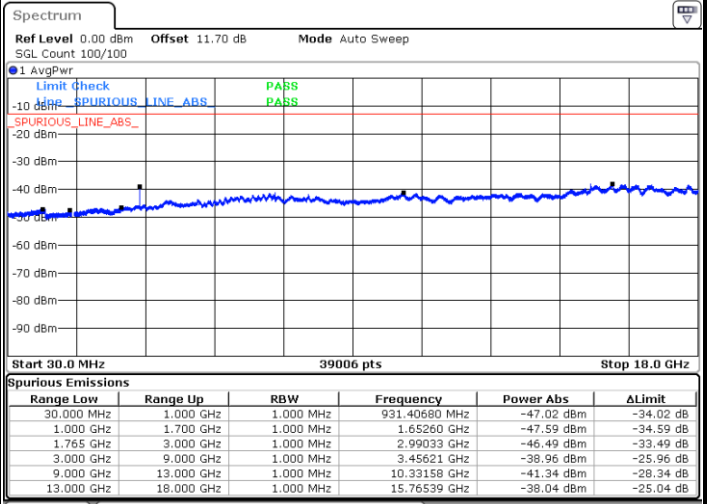
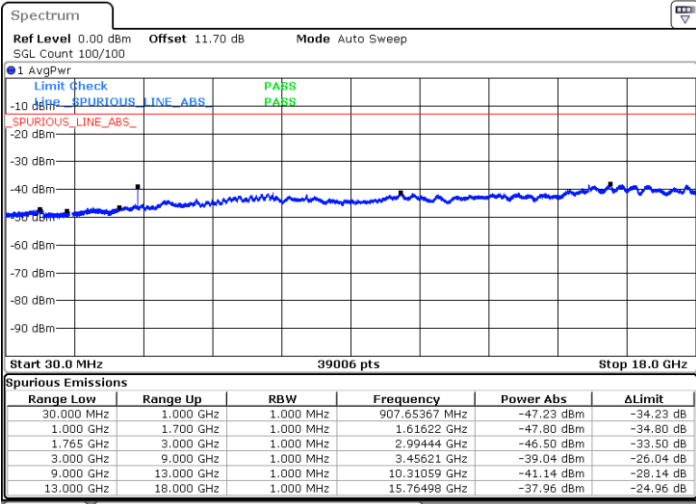




LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

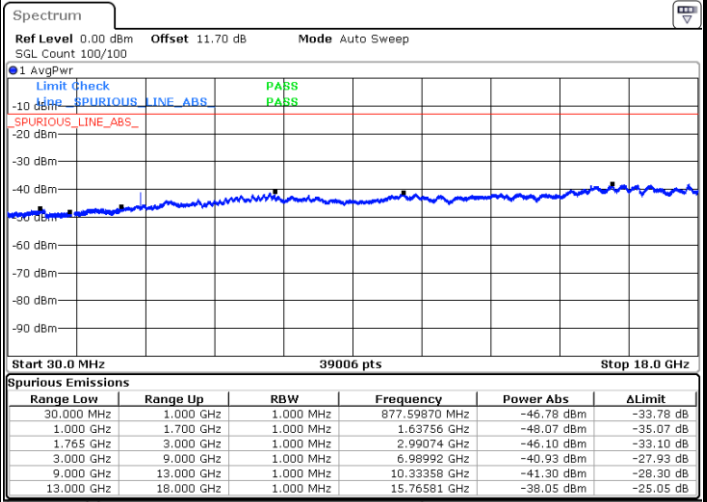
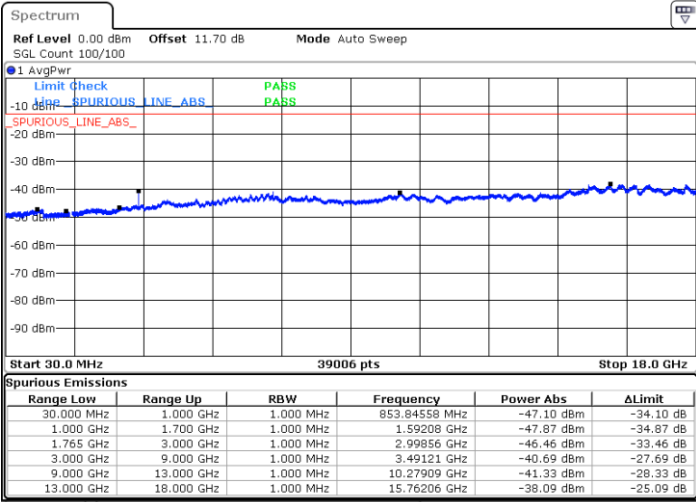


Date: 2 AUG.2017 21:23:21

Date: 2 AUG.2017 21:24:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 AUG.2017 21:30:25

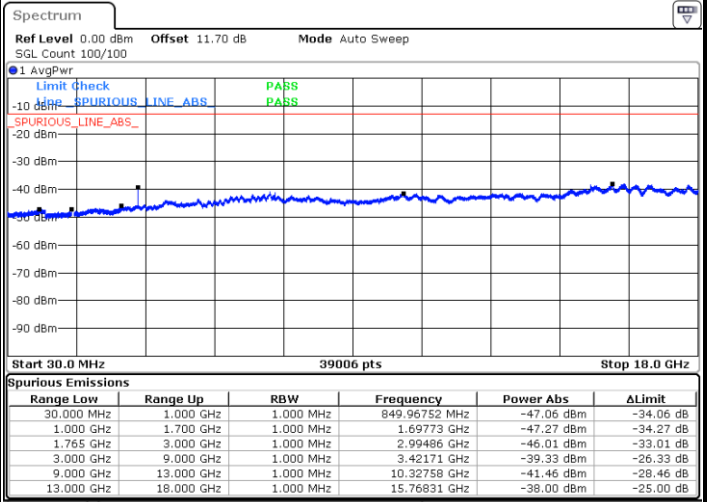
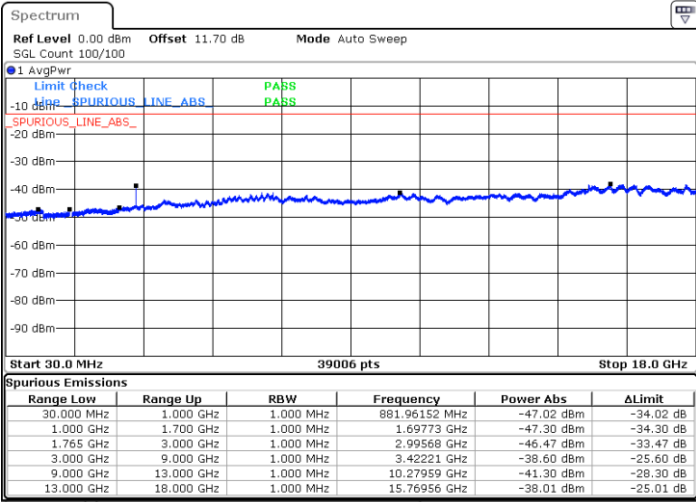
Date: 2 AUG.2017 21:31:19



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

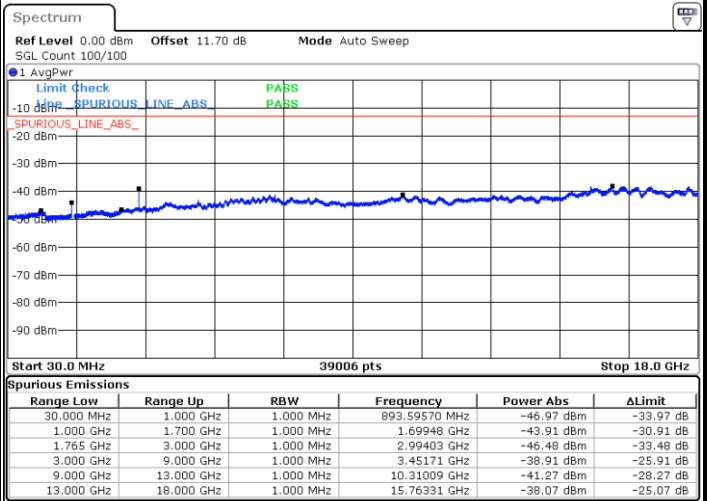
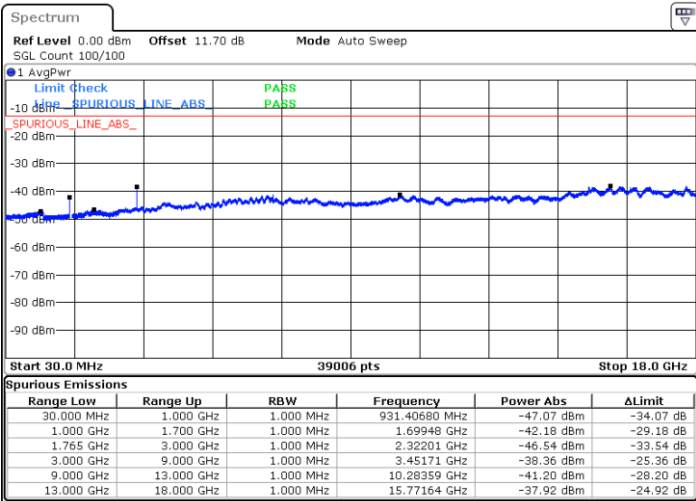


Date: 2 AUG.2017 21:37:28

Date: 2 AUG.2017 21:38:22

Middle Channel / QPSK

Middle Channel / 16QAM



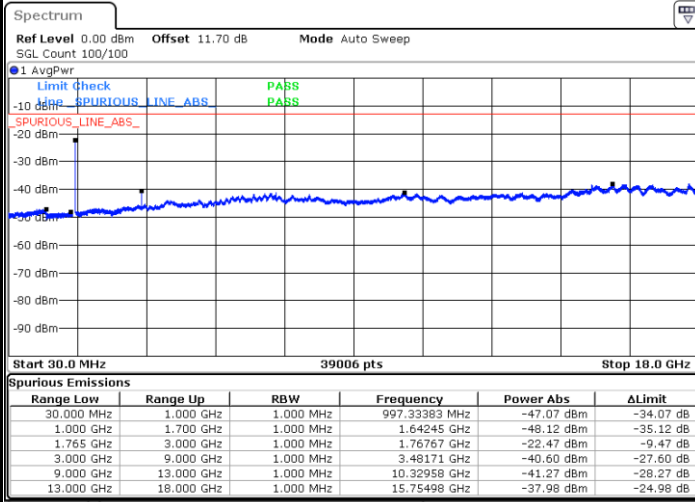
Date: 2 AUG.2017 21:39:56

Date: 2 AUG.2017 21:40:50



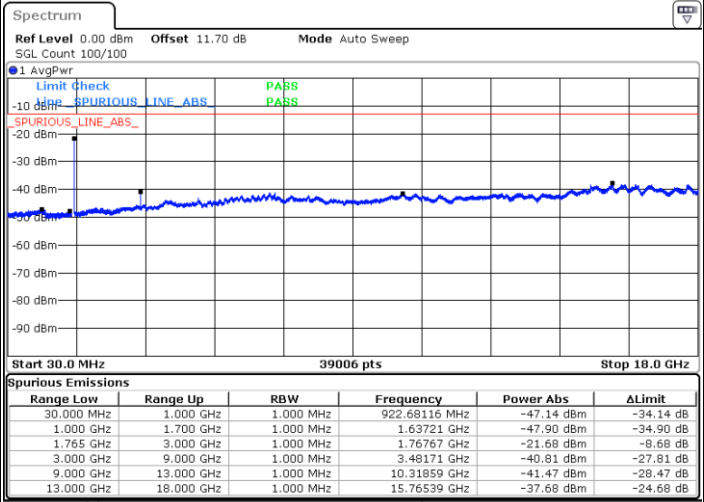
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 2 AUG.2017 21:46:59

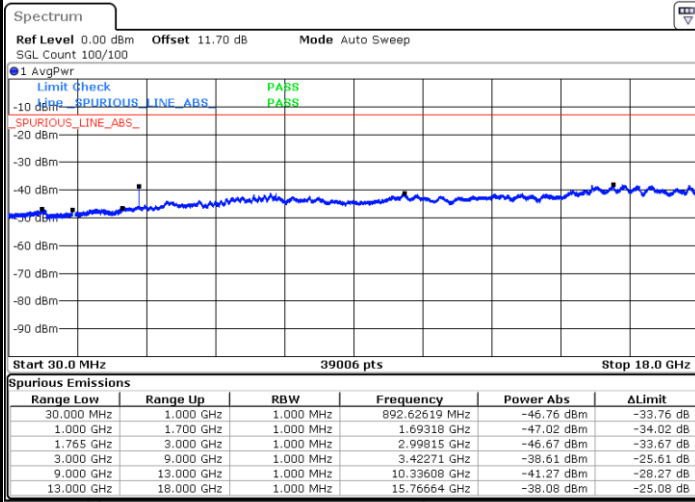
Highest Channel / 16QAM



Date: 2 AUG.2017 21:47:53

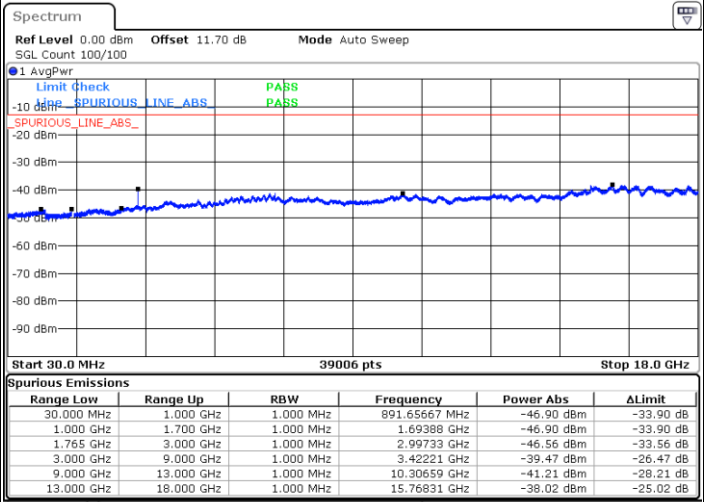
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 2 AUG.2017 21:54:03

Lowest Channel / 16QAM



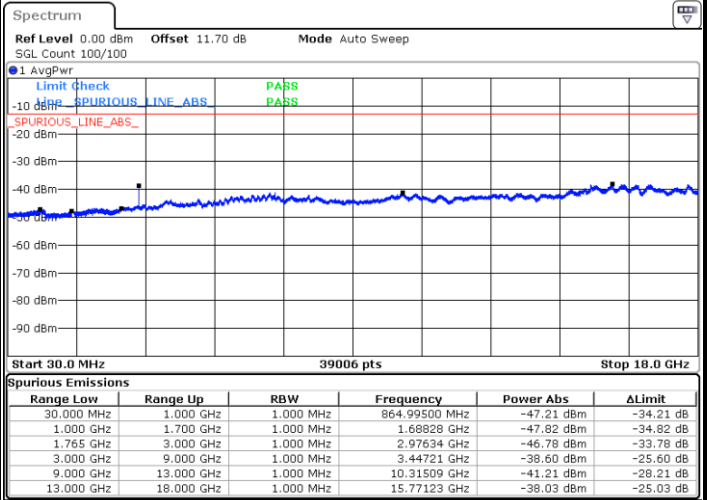
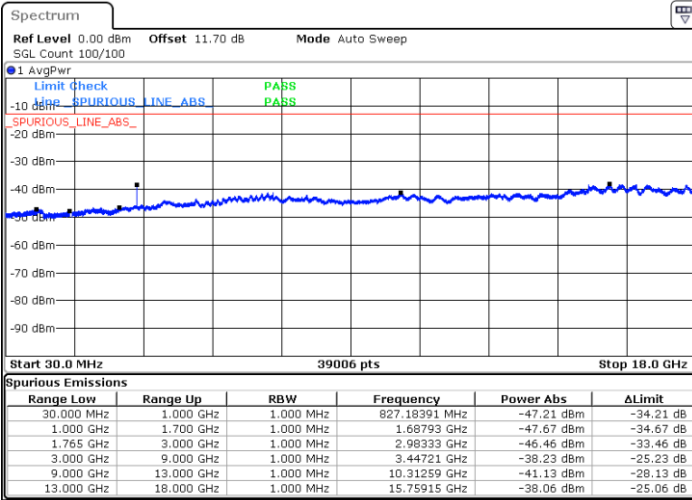
Date: 2 AUG.2017 21:54:56



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

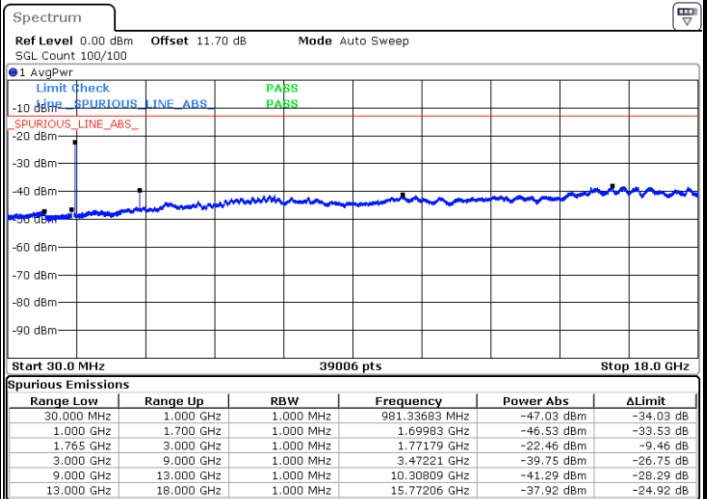
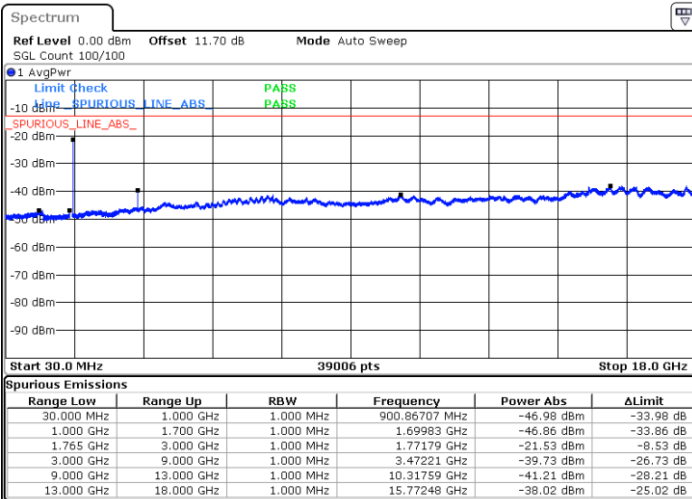


Date: 2 AUG.2017 21:56:31

Date: 2 AUG.2017 21:57:25

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 AUG.2017 22:03:34

Date: 2 AUG.2017 22:04:28



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	0.0099	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0099	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0101	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0102	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0100	

Note:

1. Normal Voltage =4.0 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 5

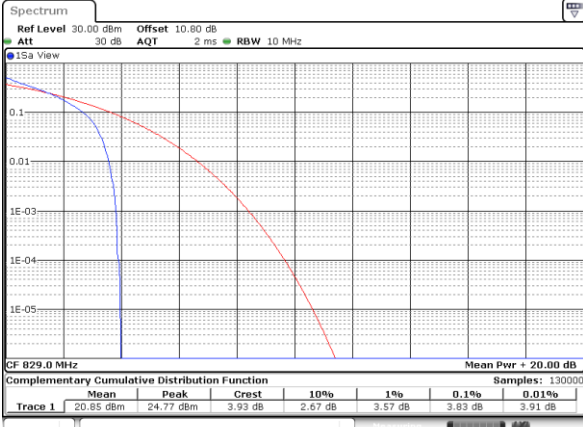
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	5.3	4.32	6.12	PASS
Middle CH	4.52	5.19	5.57	5.94	
Highest CH	4.23	4.99	5.22	5.88	



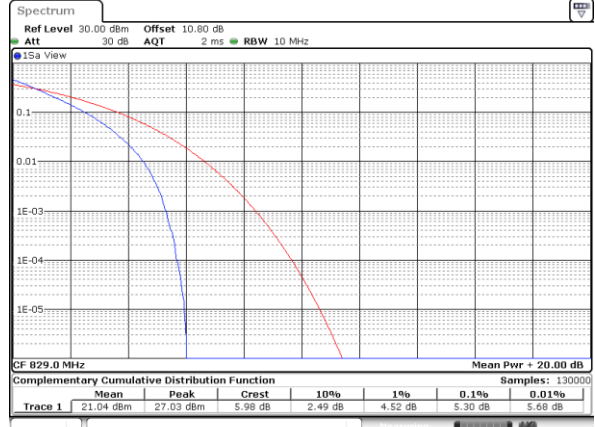
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



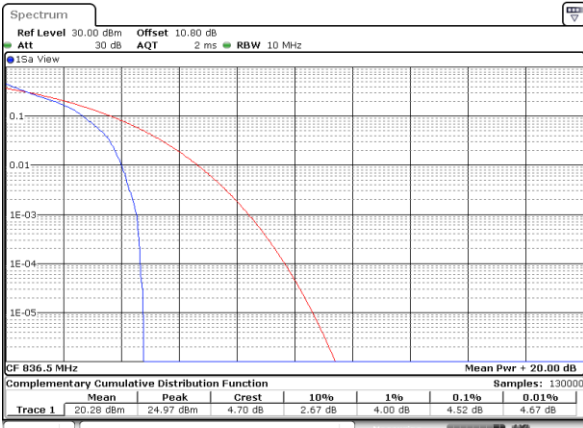
Date: 3 AUG 2017 11:14:11

Lowest Channel / Full RB



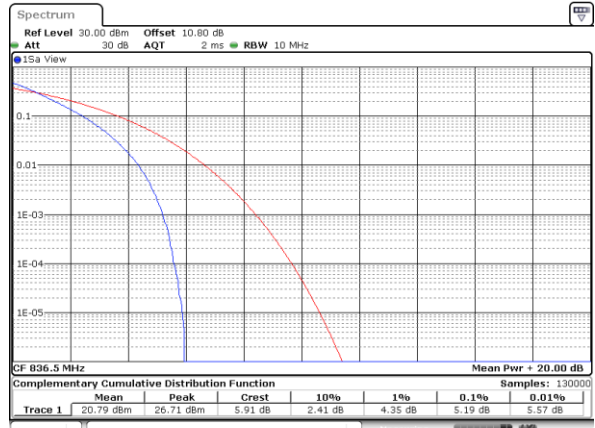
Date: 3 AUG 2017 11:14:37

Middle Channel / 1RB



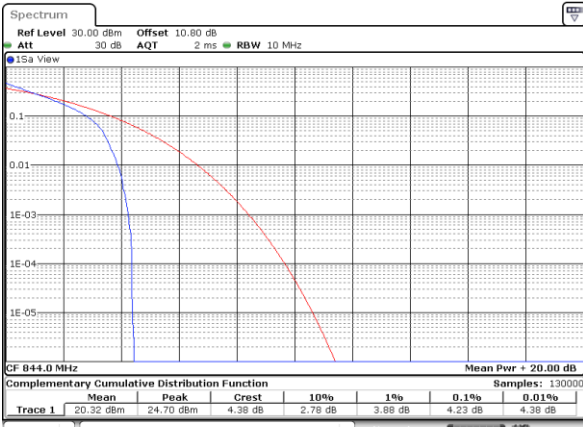
Date: 3 AUG 2017 11:15:46

Middle Channel / Full RB



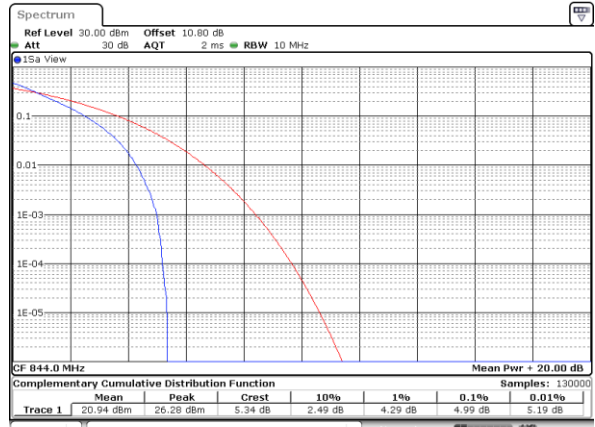
Date: 3 AUG 2017 11:16:00

Highest Channel / 1RB



Date: 3 AUG 2017 11:16:09

Highest Channel / Full RB

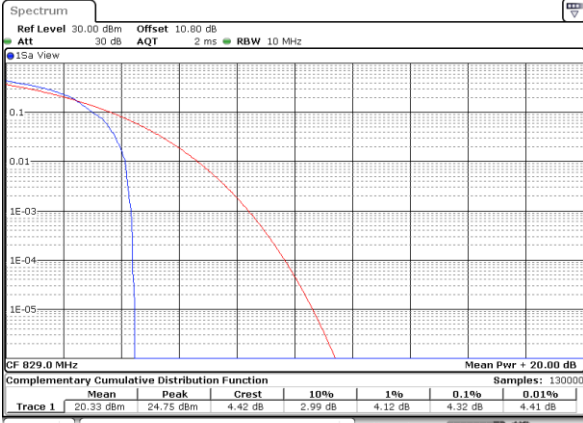


Date: 3 AUG 2017 11:16:19



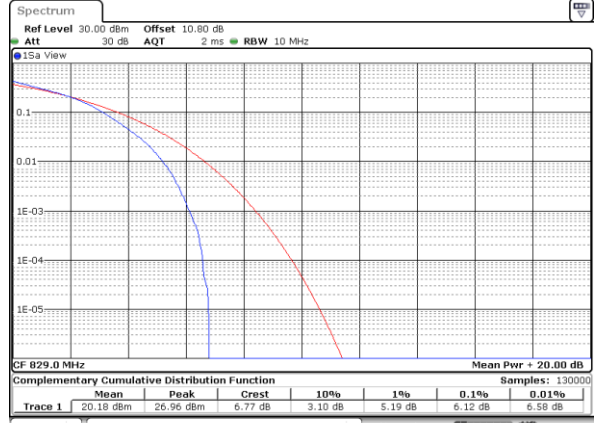
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



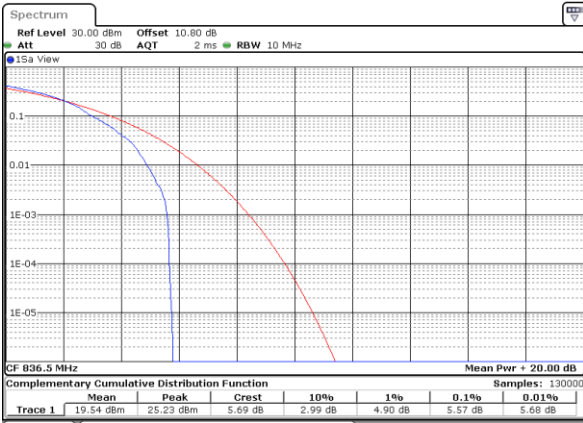
Date: 3 AUG 2017 11:11:49

Lowest Channel / Full RB



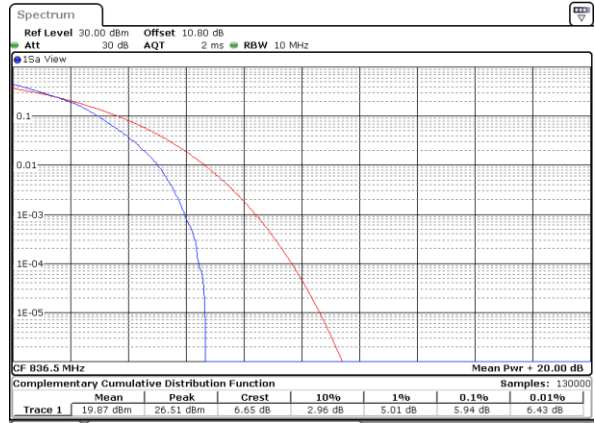
Date: 3 AUG 2017 11:11:59

Middle Channel / 1RB



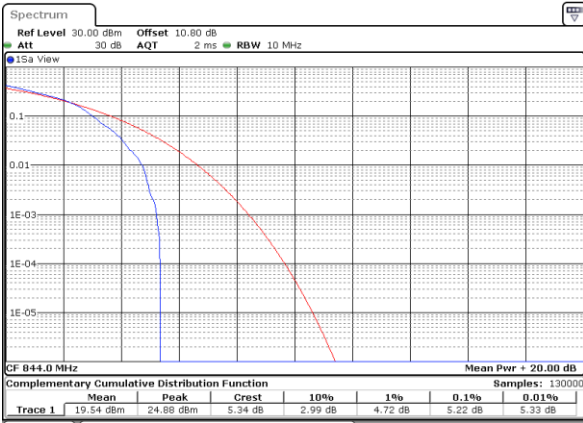
Date: 3 AUG 2017 11:12:39

Middle Channel / Full RB



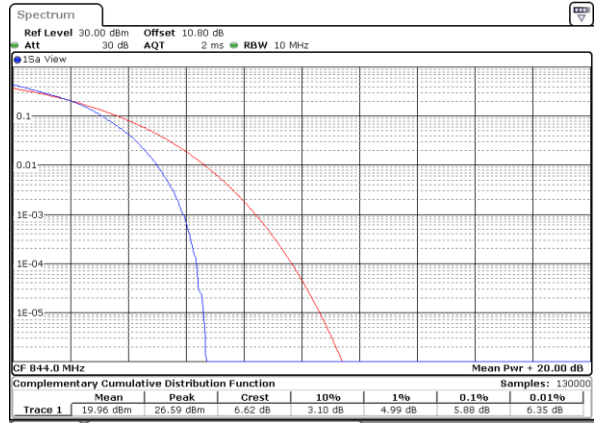
Date: 3 AUG 2017 11:13:19

Highest Channel / 1RB



Date: 3 AUG 2017 11:13:31

Highest Channel / Full RB



Date: 3 AUG 2017 11:13:43



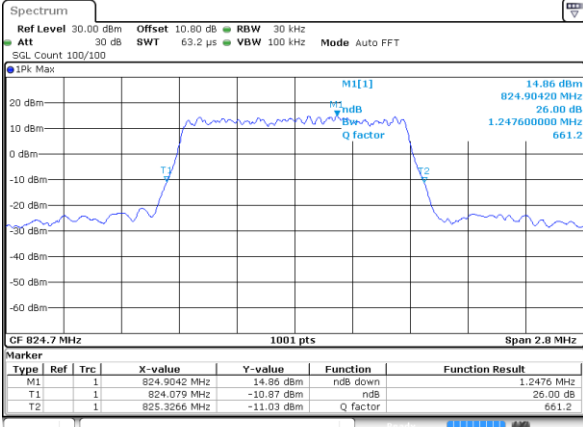
26dB Bandwidth

Mode	LTE Band 5 : 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	1.25	1.27	3.00	3.02	5.01	5.01	9.87	9.83	-	-	-	-
Middle CH	1.24	1.24	3.02	2.92	4.95	4.99	9.87	9.97	-	-	-	-
Highest CH	1.23	1.26	2.96	3.01	4.94	5.00	10.05	9.97	-	-	-	-



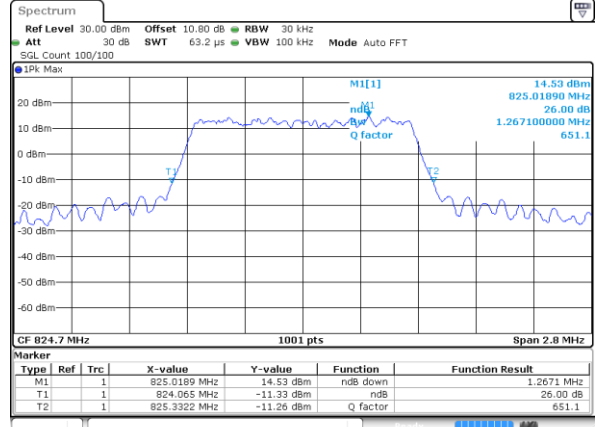
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



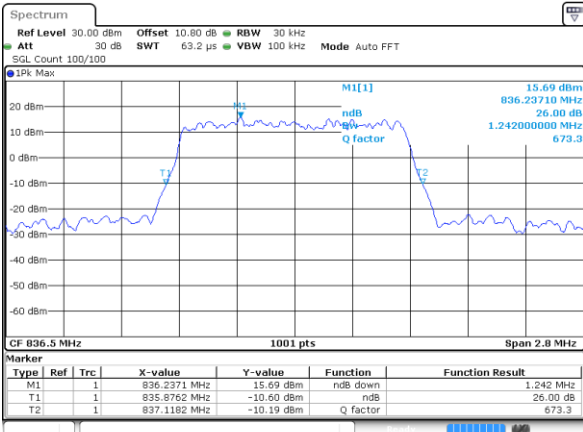
Date: 3 AUG 2017 10:51:07

Lowest Channel / 1.4MHz / 16QAM



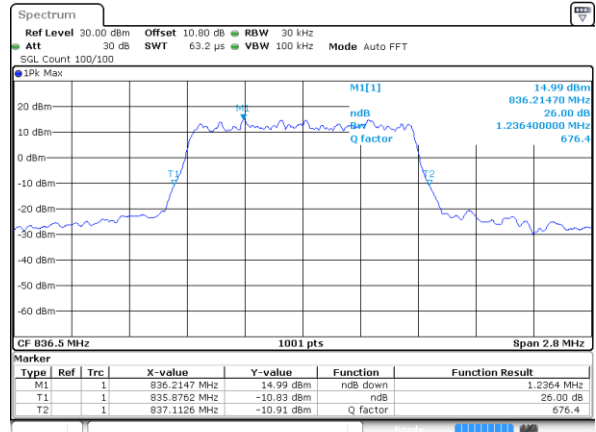
Date: 3 AUG 2017 10:50:57

Middle Channel / 1.4MHz / QPSK



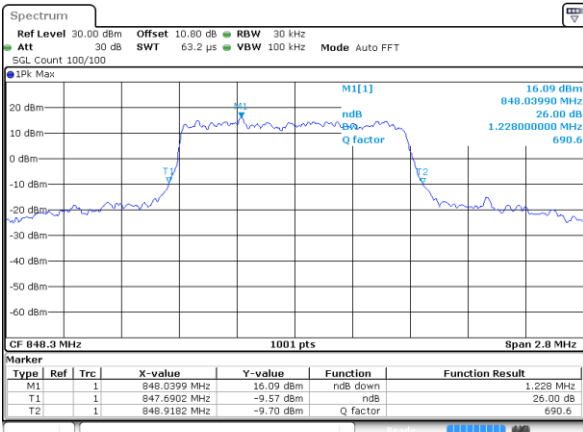
Date: 3 AUG 2017 11:00:00

Middle Channel / 1.4MHz / 16QAM



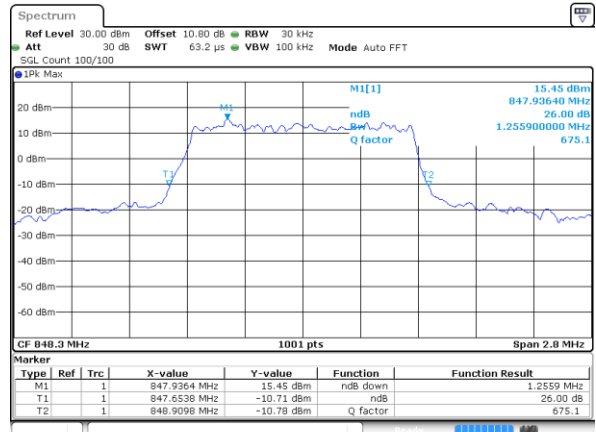
Date: 3 AUG 2017 11:00:10

Highest Channel / 1.4MHz / QPSK



Date: 3 AUG 2017 11:02:27

Highest Channel / 1.4MHz / 16QAM

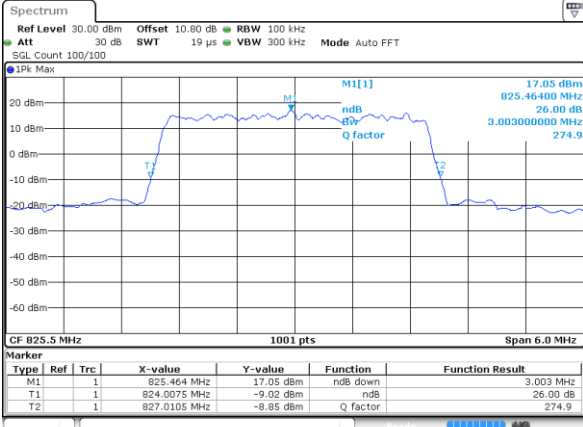


Date: 3 AUG 2017 11:02:37



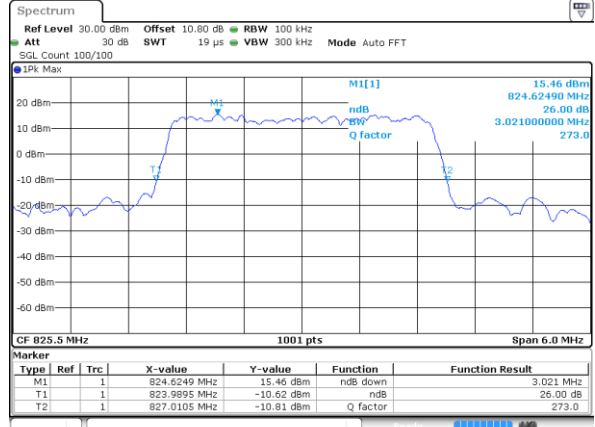
LTE Band 5

Lowest Channel / 3MHz / QPSK



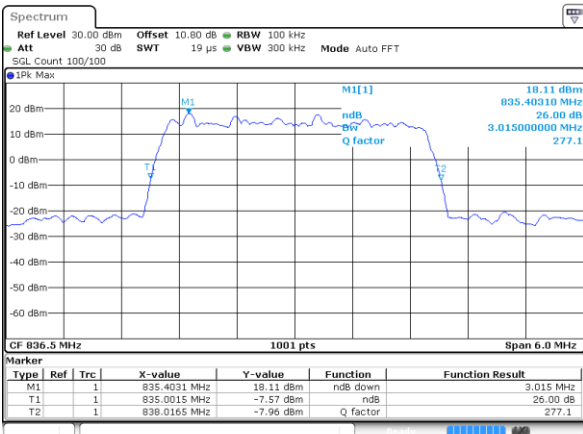
Date: 2 AUG 2017 22:37:03

Lowest Channel / 3MHz / 16QAM



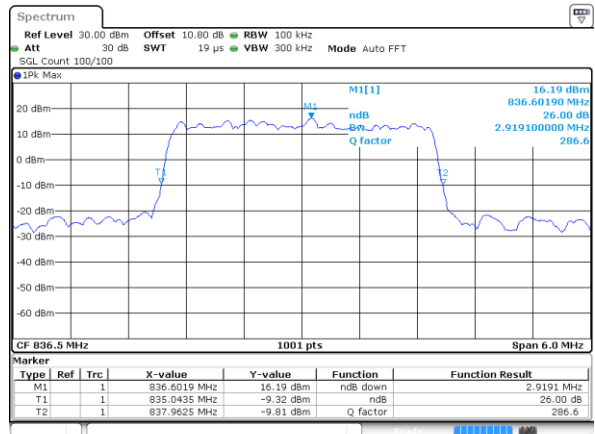
Date: 2 AUG 2017 22:37:13

Middle Channel / 3MHz / QPSK



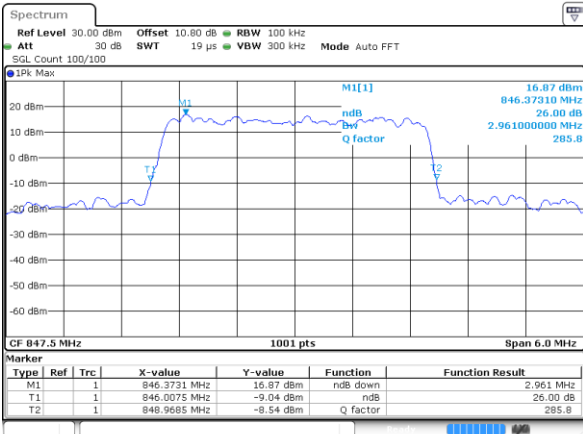
Date: 2 AUG 2017 22:46:05

Middle Channel / 3MHz / 16QAM



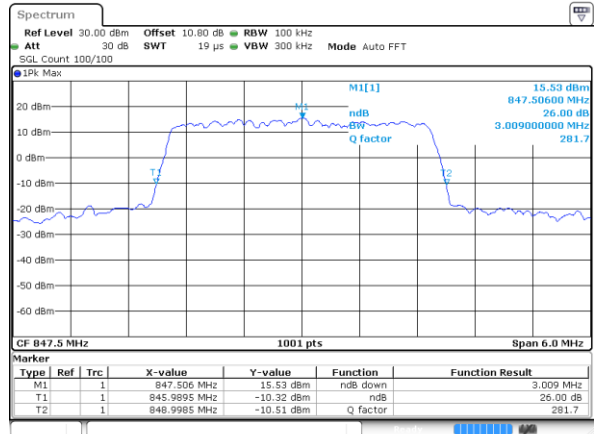
Date: 2 AUG 2017 22:46:15

Highest Channel / 3MHz / QPSK



Date: 2 AUG 2017 22:48:33

Highest Channel / 3MHz / 16QAM

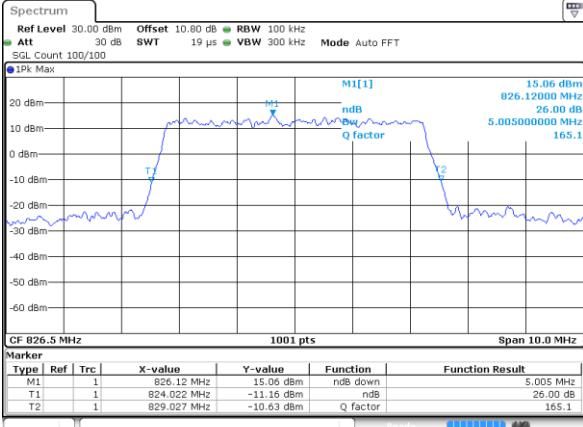


Date: 2 AUG 2017 22:48:43



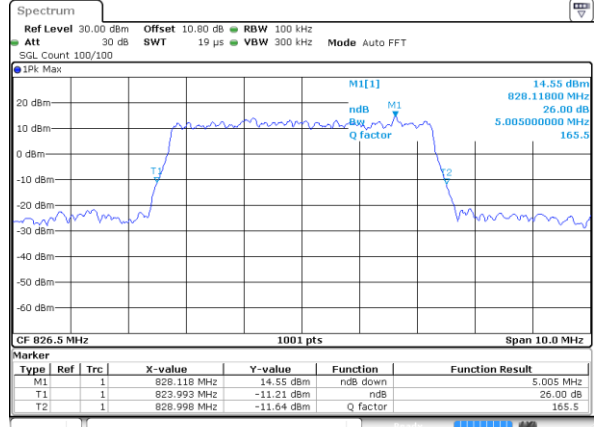
LTE Band 5

Lowest Channel / 5MHz / QPSK



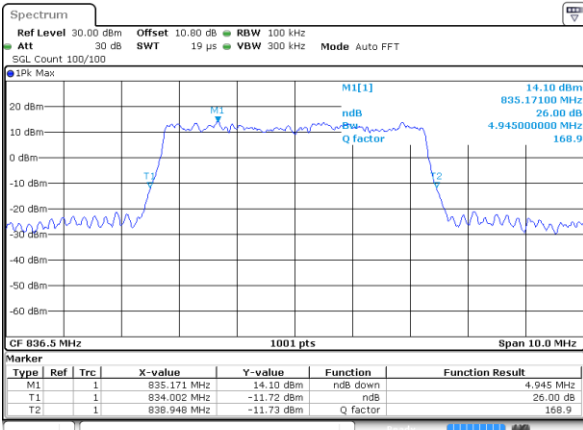
Date: 2 AUG 2017 22:57:36

Lowest Channel / 5MHz / 16QAM



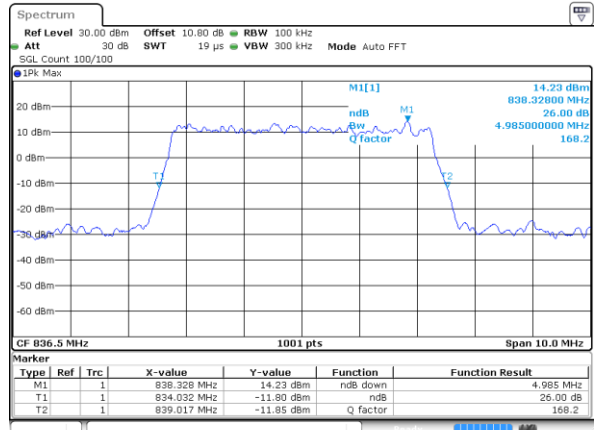
Date: 2 AUG 2017 22:57:46

Middle Channel / 5MHz / QPSK



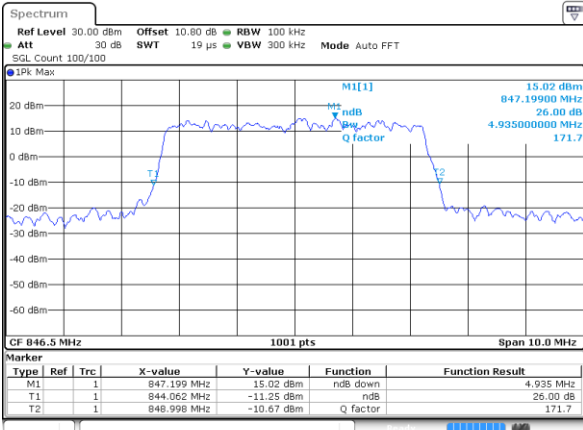
Date: 2 AUG 2017 23:06:39

Middle Channel / 5MHz / 16QAM



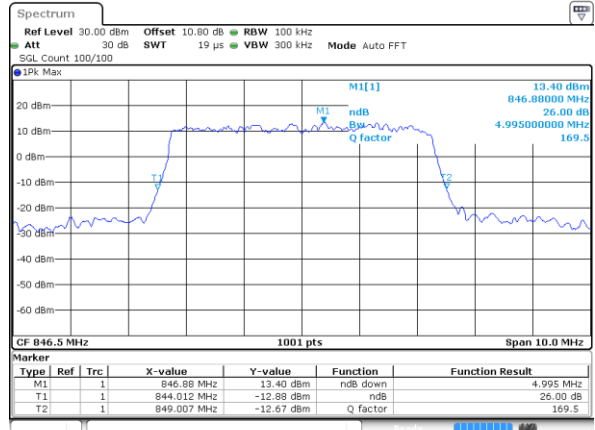
Date: 2 AUG 2017 23:06:49

Highest Channel / 5MHz / QPSK



Date: 2 AUG 2017 23:09:07

Highest Channel / 5MHz / 16QAM

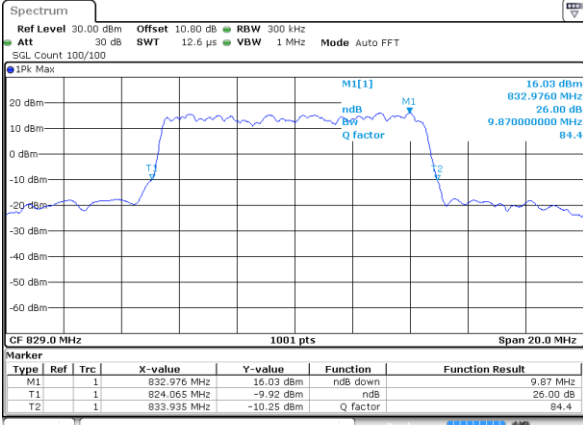


Date: 2 AUG 2017 23:09:17



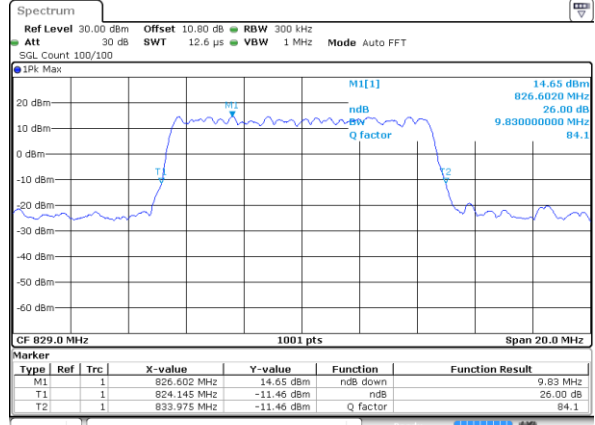
LTE Band 5

Lowest Channel / 10MHz / QPSK



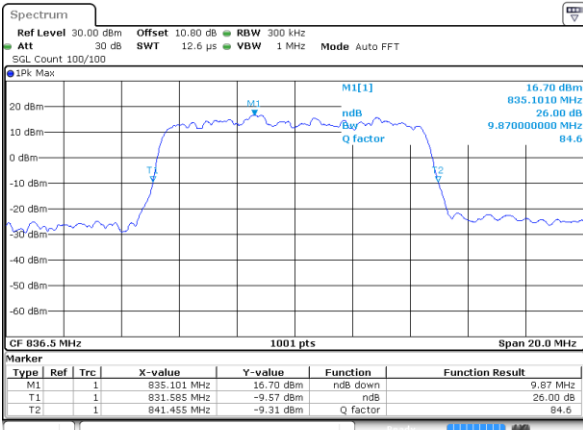
Date: 2 AUG 2017 23:18:10

Lowest Channel / 10MHz / 16QAM



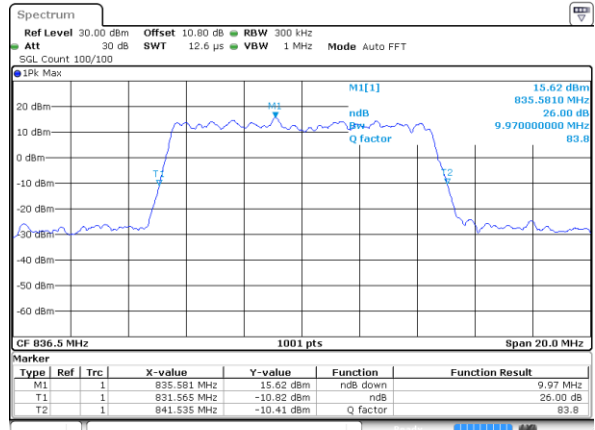
Date: 2 AUG 2017 23:18:20

Middle Channel / 10MHz / QPSK



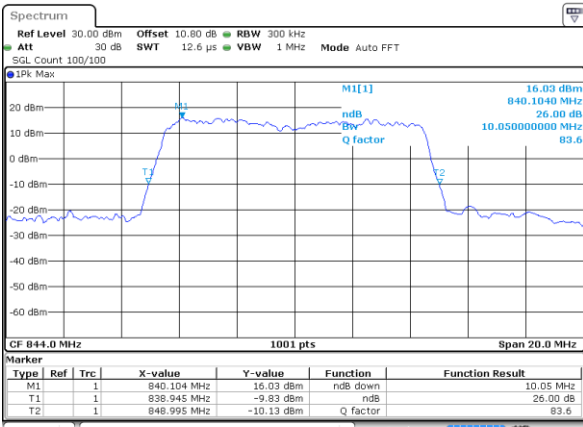
Date: 2 AUG 2017 23:27:12

Middle Channel / 10MHz / 16QAM



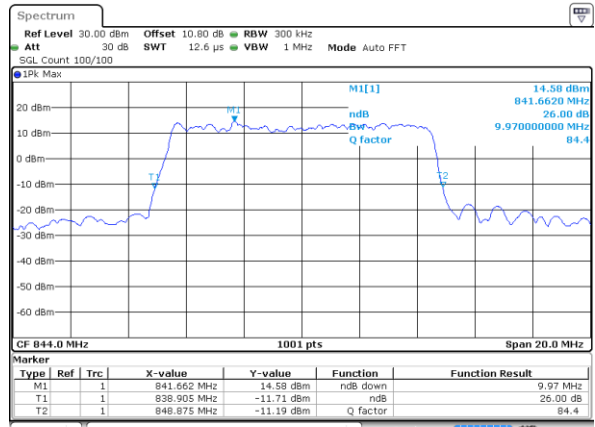
Date: 2 AUG 2017 23:27:22

Highest Channel / 10MHz / QPSK



Date: 2 AUG 2017 23:29:40

Highest Channel / 10MHz / 16QAM



Date: 2 AUG 2017 23:29:50



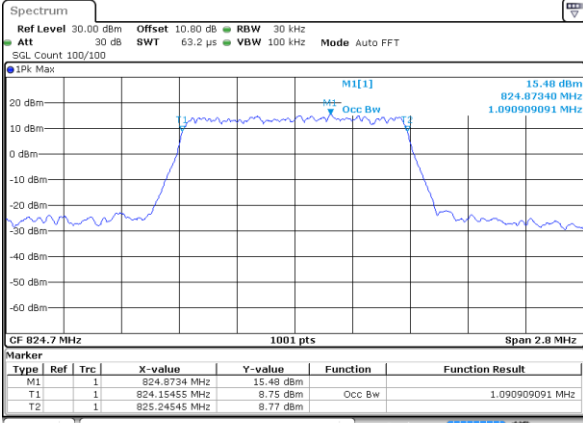
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.74	4.52	4.48	9.05	9.03	-	-	-	-
Middle CH	1.08	1.09	2.72	2.73	4.49	4.49	8.95	9.01	-	-	-	-
Highest CH	1.09	1.09	2.73	2.73	4.5	4.51	9.07	9.07	-	-	-	-



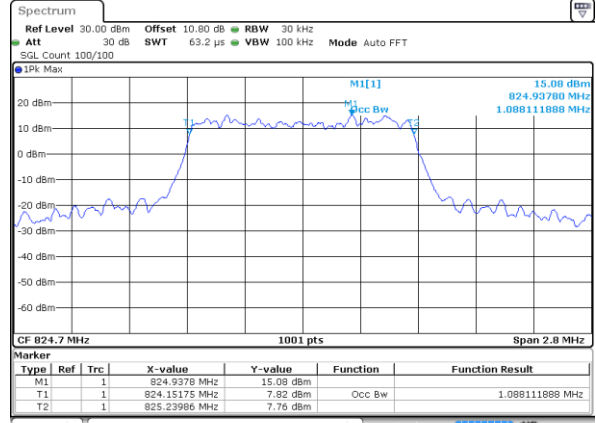
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



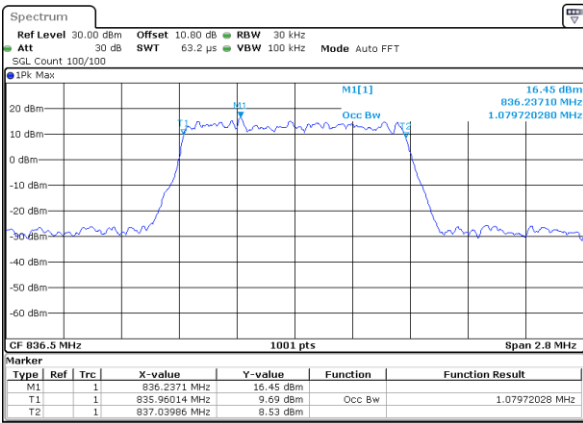
Date: 3 AUG 2017 10:50:36

Lowest Channel / 1.4MHz / 16QAM



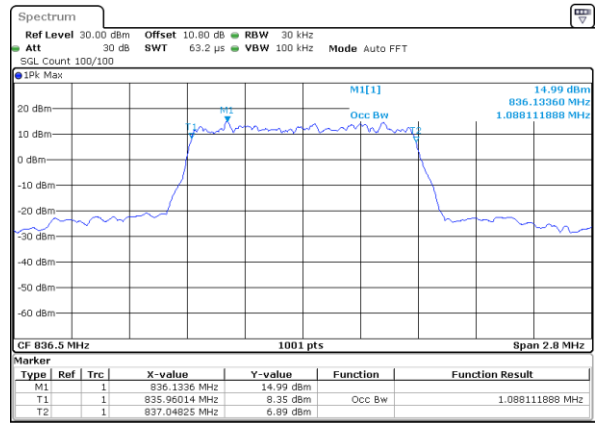
Date: 3 AUG 2017 10:50:47

Middle Channel / 1.4MHz / QPSK



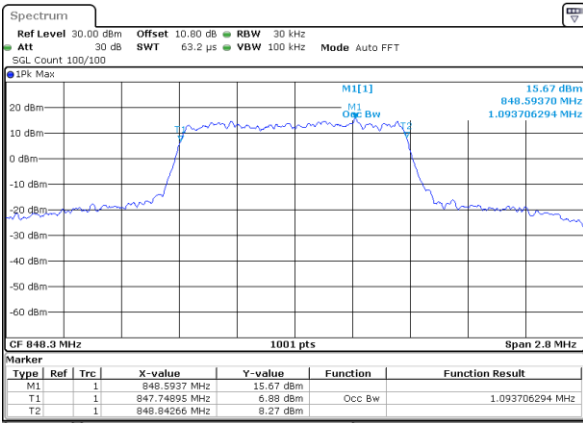
Date: 3 AUG 2017 10:59:40

Middle Channel / 1.4MHz / 16QAM



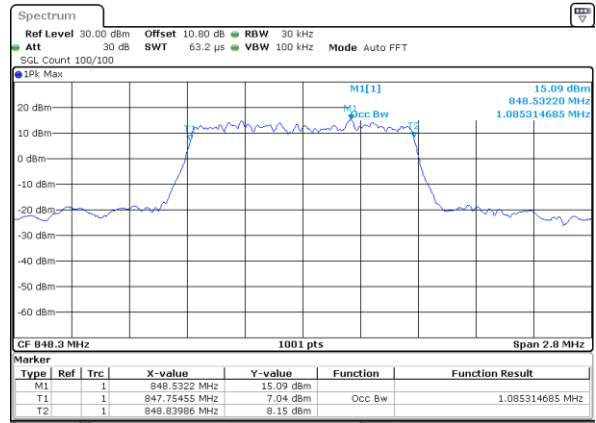
Date: 3 AUG 2017 10:59:50

Highest Channel / 1.4MHz / QPSK



Date: 3 AUG 2017 11:02:07

Highest Channel / 1.4MHz / 16QAM

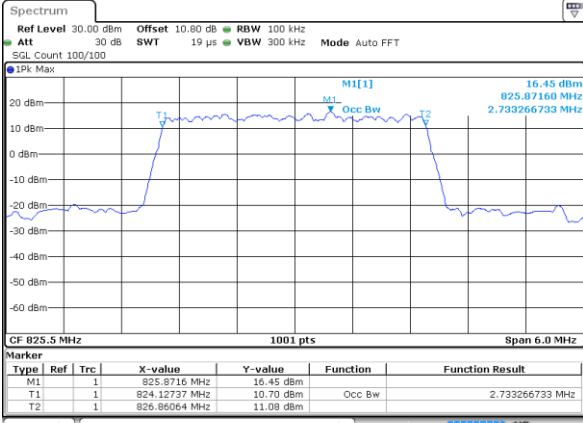


Date: 3 AUG 2017 11:02:17



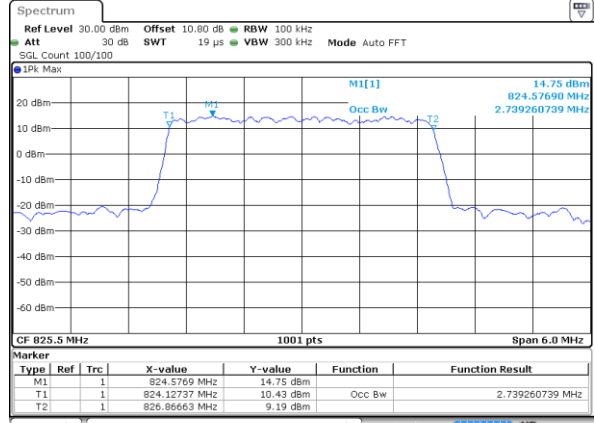
LTE Band 5

Lowest Channel / 3MHz / QPSK



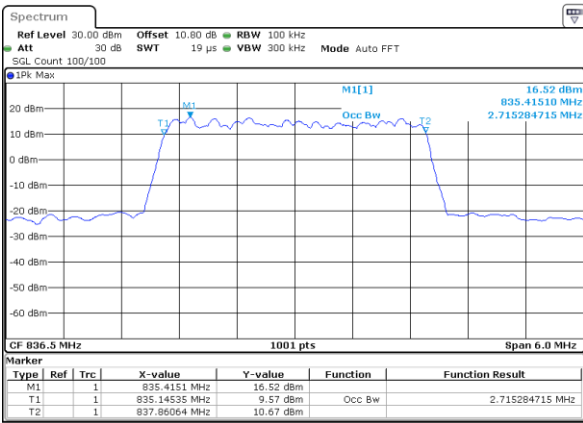
Date: 2 AUG 2017 22:36:42

Lowest Channel / 3MHz / 16QAM



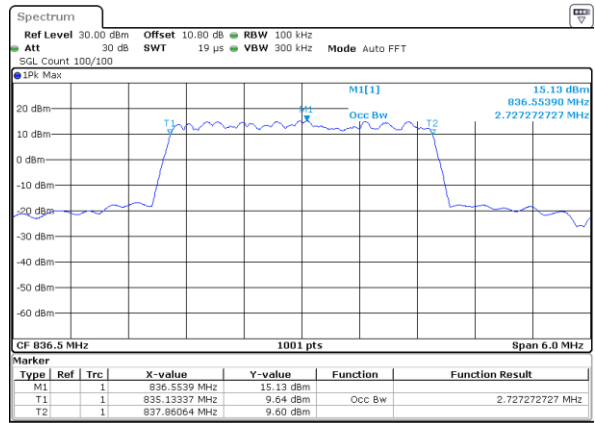
Date: 2 AUG 2017 22:36:53

Middle Channel / 3MHz / QPSK



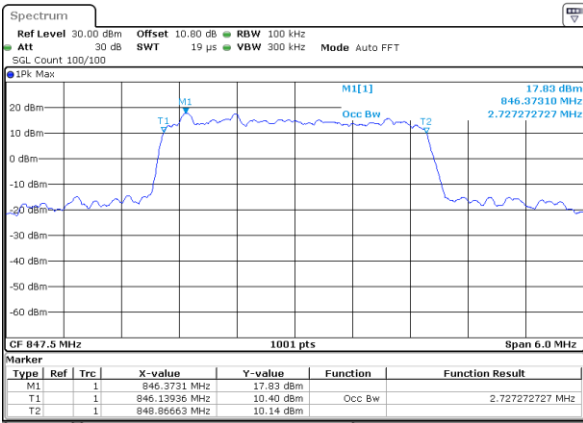
Date: 2 AUG 2017 22:45:45

Middle Channel / 3MHz / 16QAM



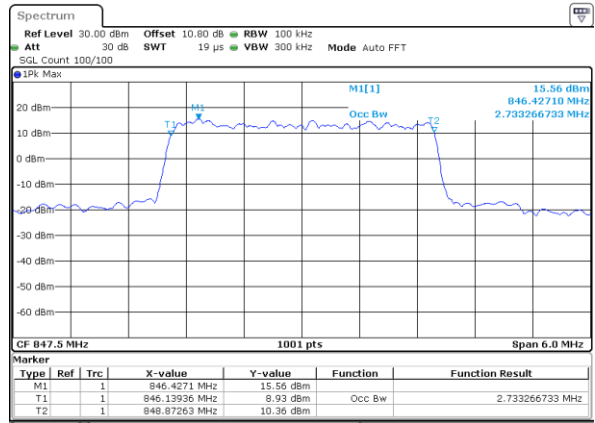
Date: 2 AUG 2017 22:45:55

Highest Channel / 3MHz / QPSK



Date: 2 AUG 2017 22:48:13

Highest Channel / 3MHz / 16QAM

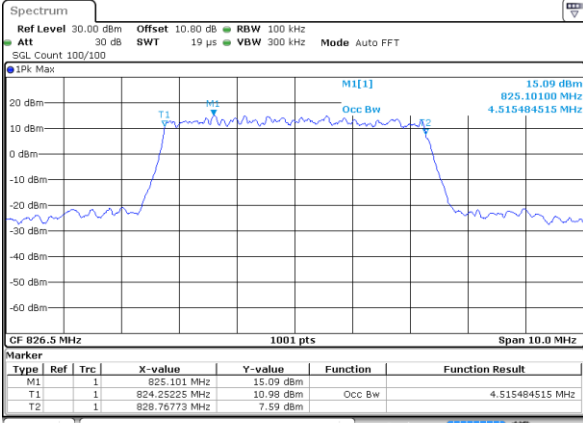


Date: 2 AUG 2017 22:48:23



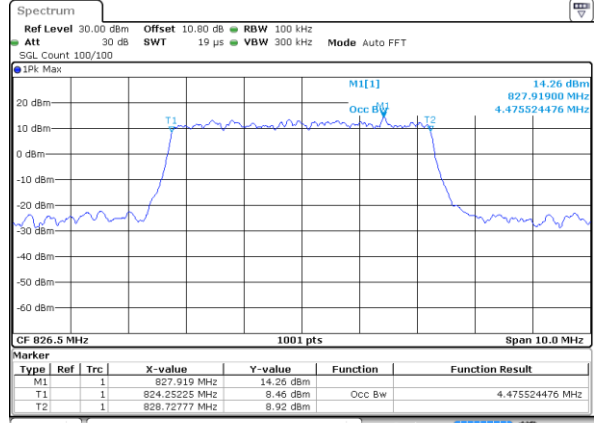
LTE Band 5

Lowest Channel / 5MHz / QPSK



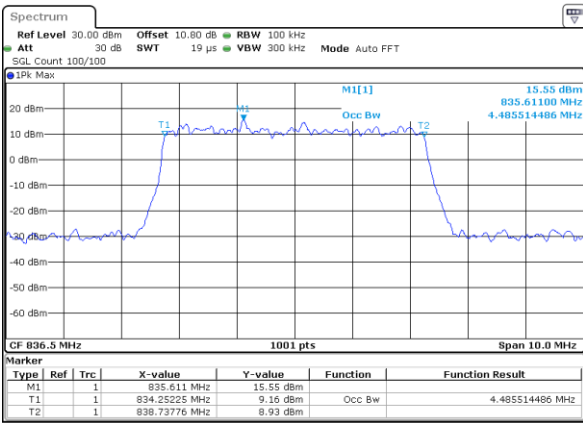
Date: 2 AUG 2017 22:57:16

Lowest Channel / 5MHz / 16QAM



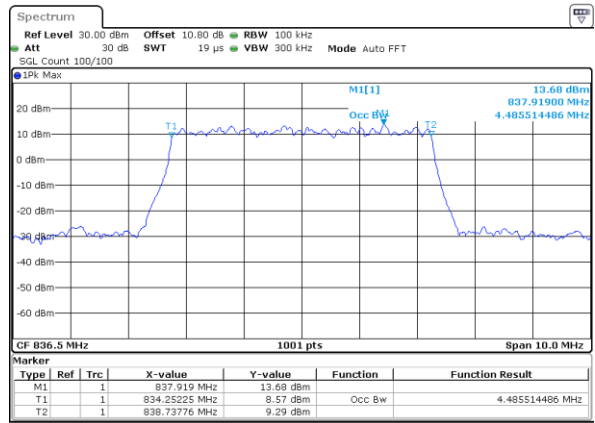
Date: 2 AUG 2017 22:57:26

Middle Channel / 5MHz / QPSK



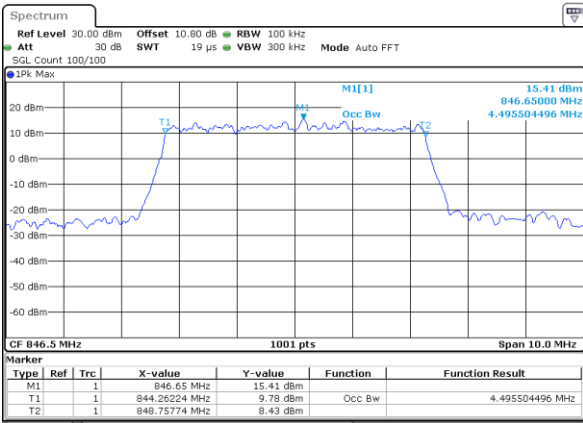
Date: 2 AUG 2017 23:06:19

Middle Channel / 5MHz / 16QAM



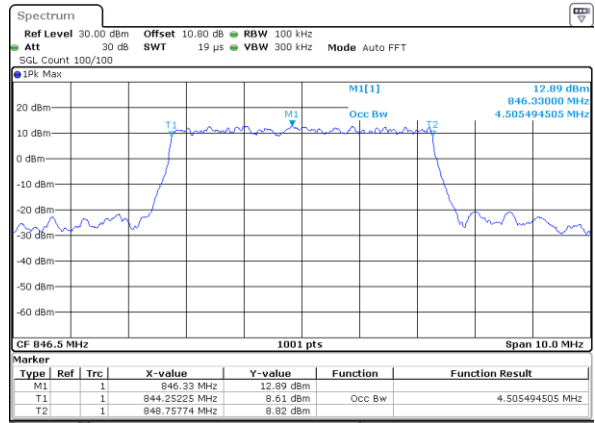
Date: 2 AUG 2017 23:06:29

Highest Channel / 5MHz / QPSK



Date: 2 AUG 2017 23:08:47

Highest Channel / 5MHz / 16QAM

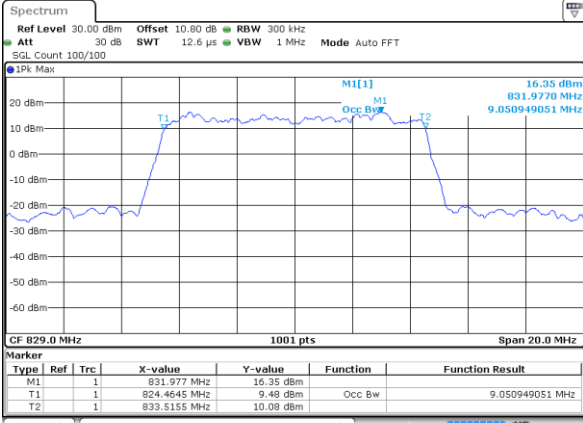


Date: 2 AUG 2017 23:08:57



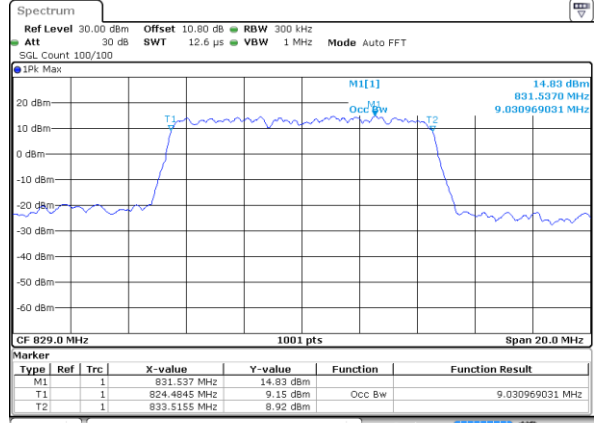
LTE Band 5

Lowest Channel / 10MHz / QPSK



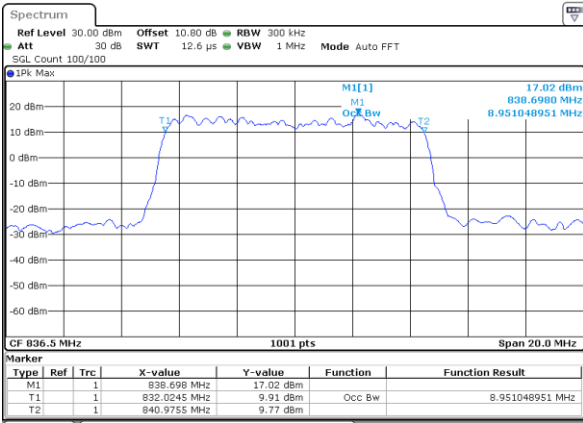
Date: 2 AUG 2017 23:17:50

Lowest Channel / 10MHz / 16QAM



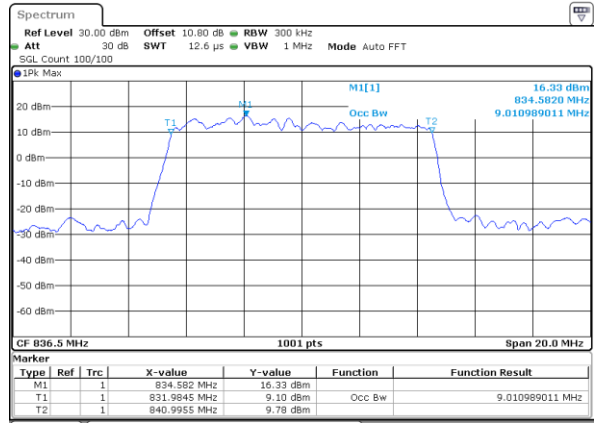
Date: 2 AUG 2017 23:18:00

Middle Channel / 10MHz / QPSK



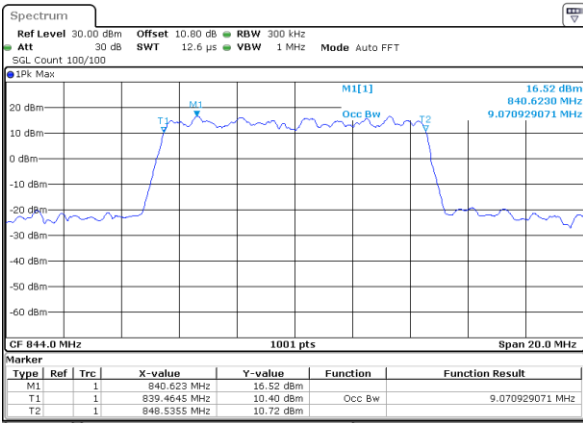
Date: 2 AUG 2017 23:26:52

Middle Channel / 10MHz / 16QAM



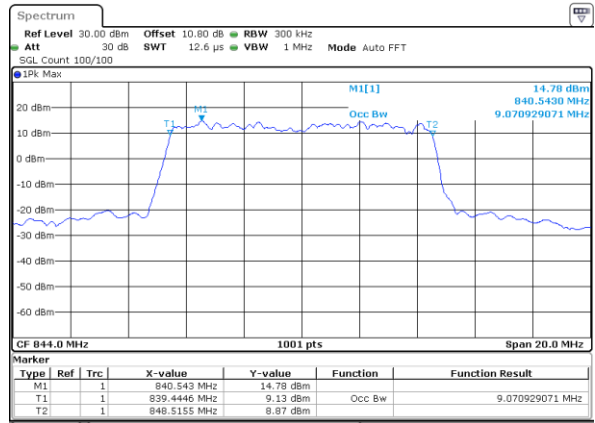
Date: 2 AUG 2017 23:27:02

Highest Channel / 10MHz / QPSK



Date: 2 AUG 2017 23:29:20

Highest Channel / 10MHz / 16QAM



Date: 2 AUG 2017 23:29:30



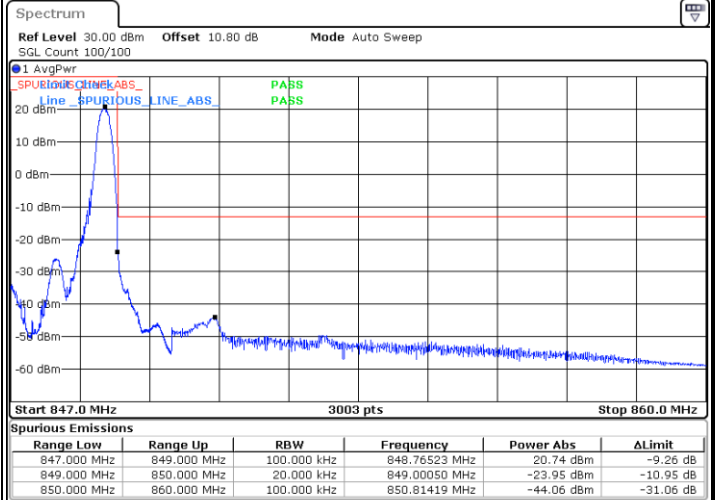
Conducted Band Edge



LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1RB

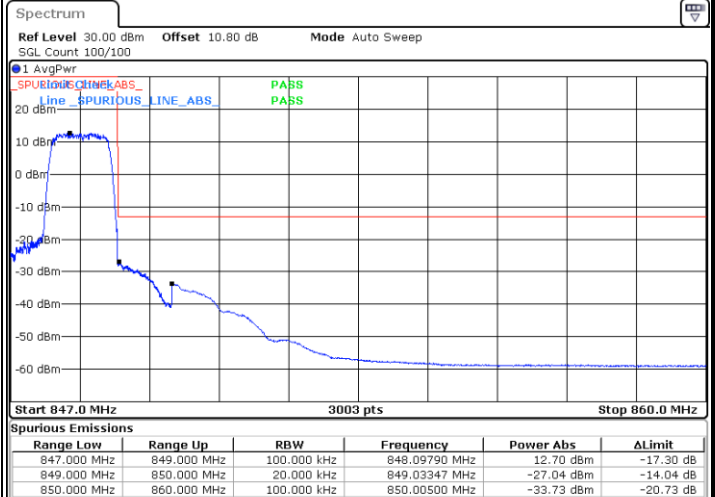
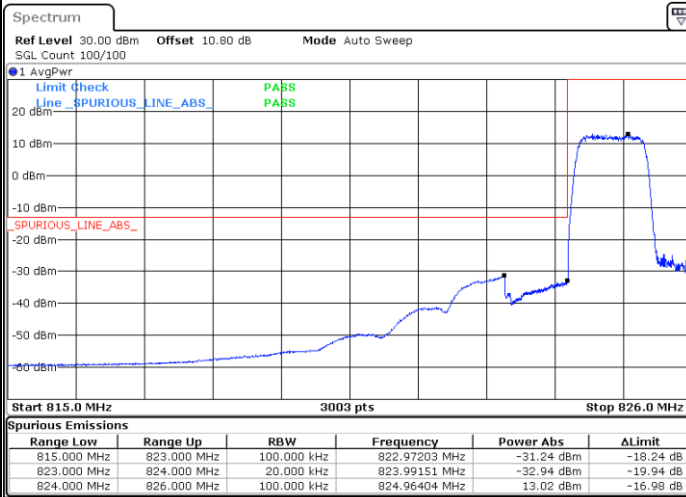


Date: 3 AUG 2017 10:52:46

Date: 3 AUG 2017 11:07:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



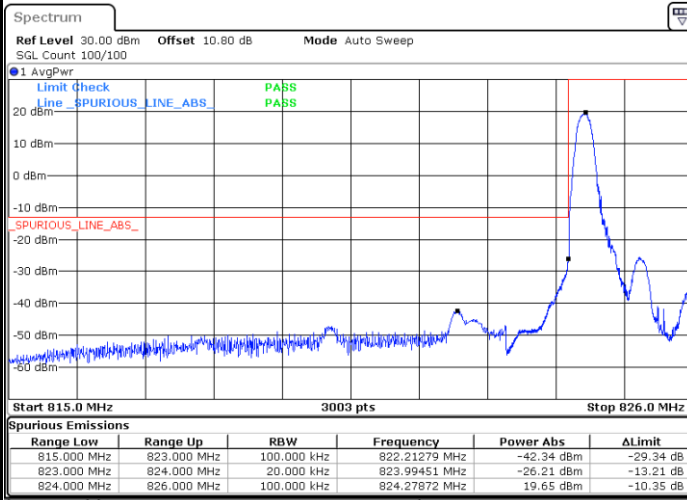
Date: 3 AUG 2017 10:56:03

Date: 3 AUG 2017 11:04:16



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



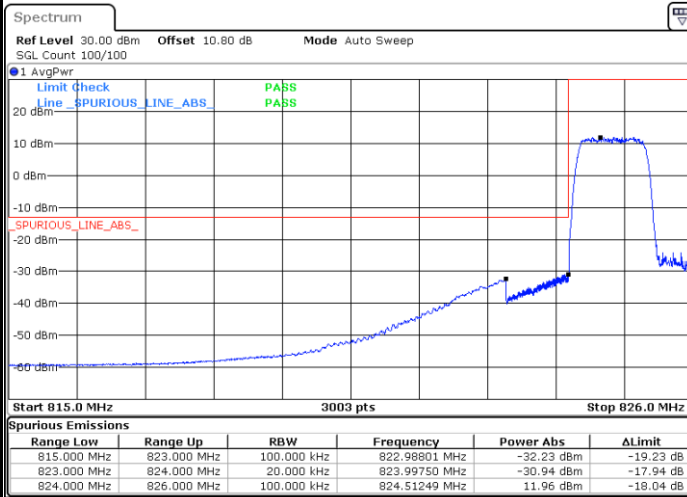
Date: 3 AUG 2017 10:54:25

Highest Band Edge / 1 RB



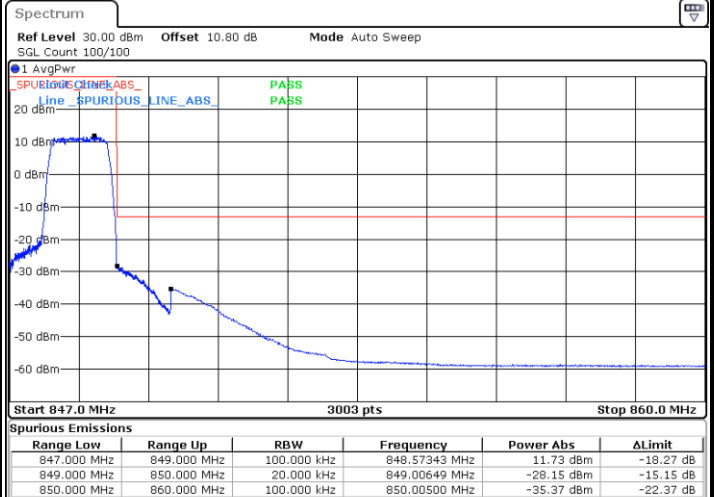
Date: 3 AUG 2017 11:09:12

Lowest Band Edge / Full RB



Date: 3 AUG 2017 10:57:42

Highest Band Edge / Full RB

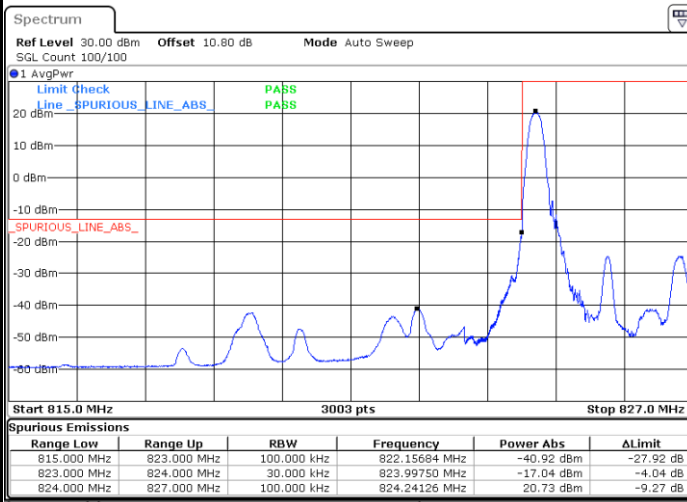


Date: 3 AUG 2017 11:05:55



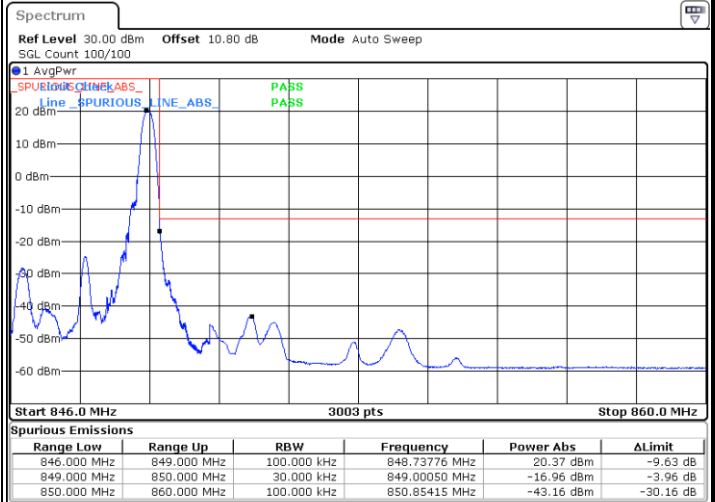
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



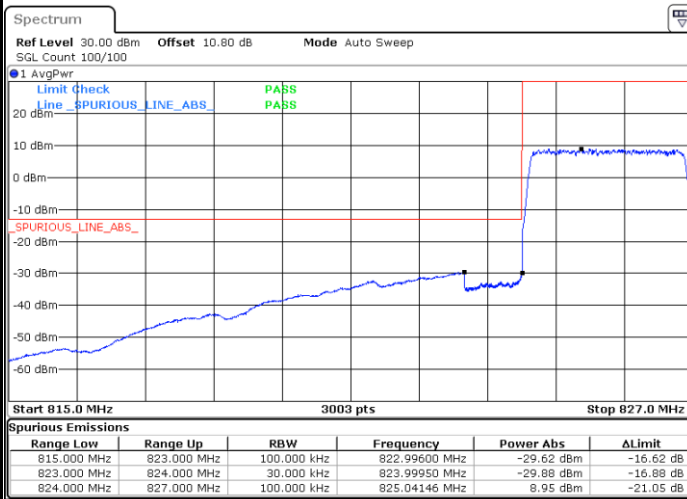
Date: 2 AUG 2017 22:38:51

Highest Band Edge / 1 RB



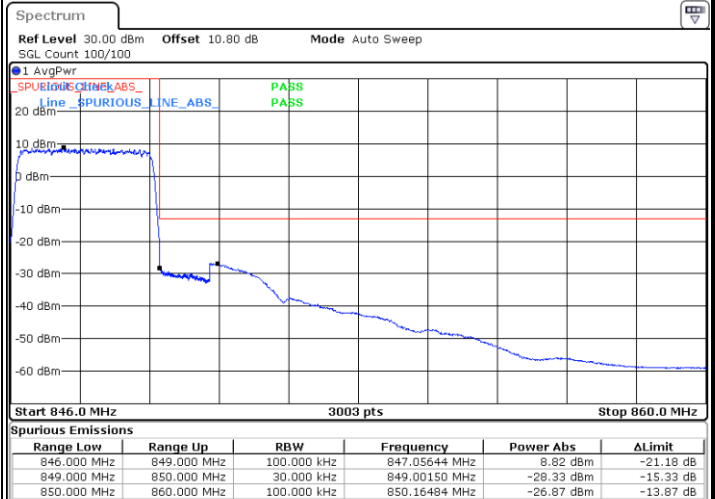
Date: 2 AUG 2017 22:50:21

Lowest Band Edge / Full RB



Date: 2 AUG 2017 22:42:08

Highest Band Edge / Full RB

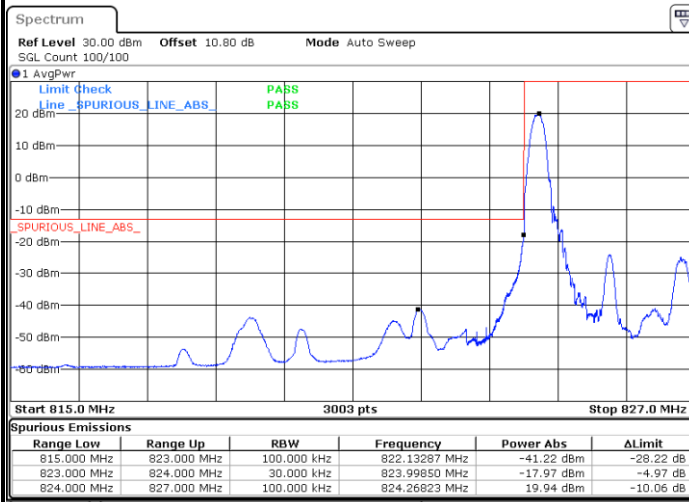


Date: 2 AUG 2017 22:53:39



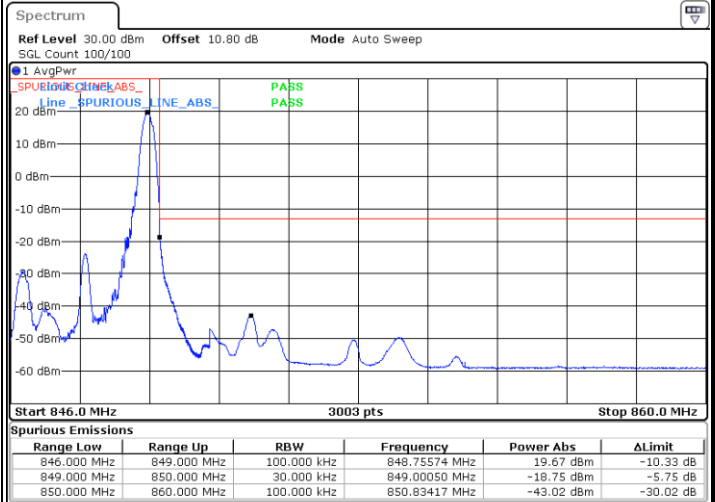
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



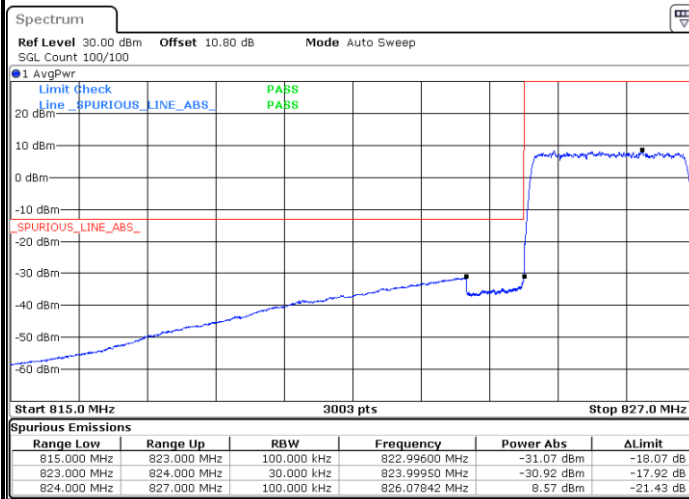
Date: 2 AUG 2017 22:40:30

Highest Band Edge / 1 RB



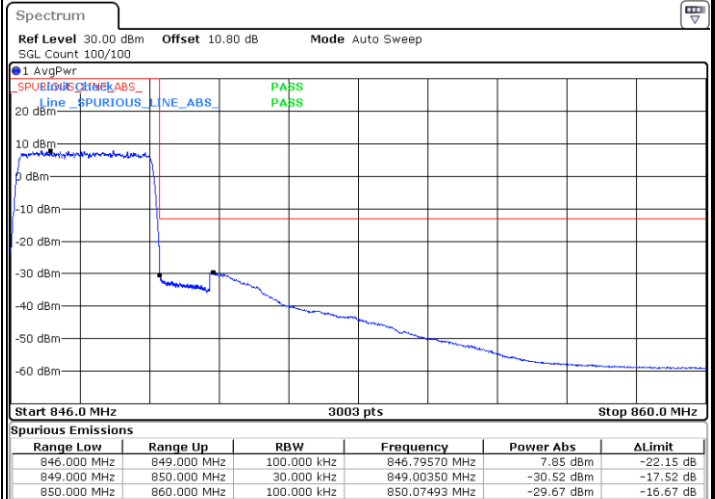
Date: 2 AUG 2017 22:52:00

Lowest Band Edge / Full RB



Date: 2 AUG 2017 22:43:47

Highest Band Edge / Full RB

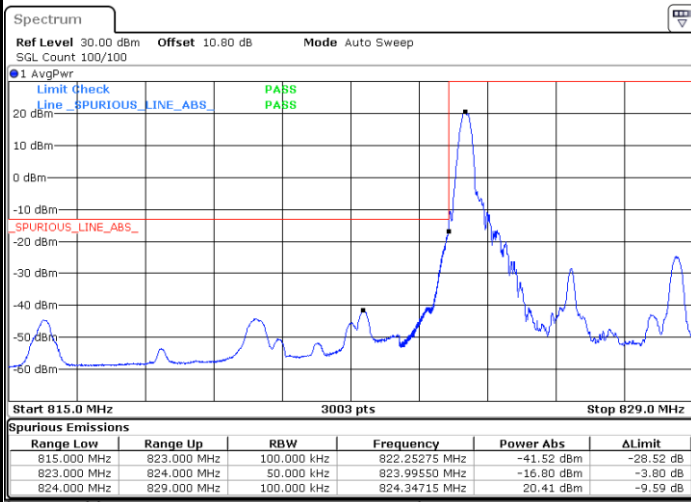


Date: 2 AUG 2017 22:55:18



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



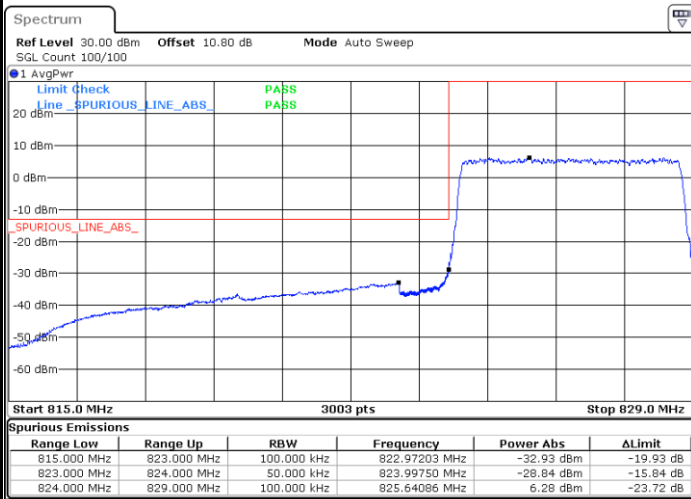
Date: 2 AUG 2017 22:59:24

Highest Band Edge / 1 RB



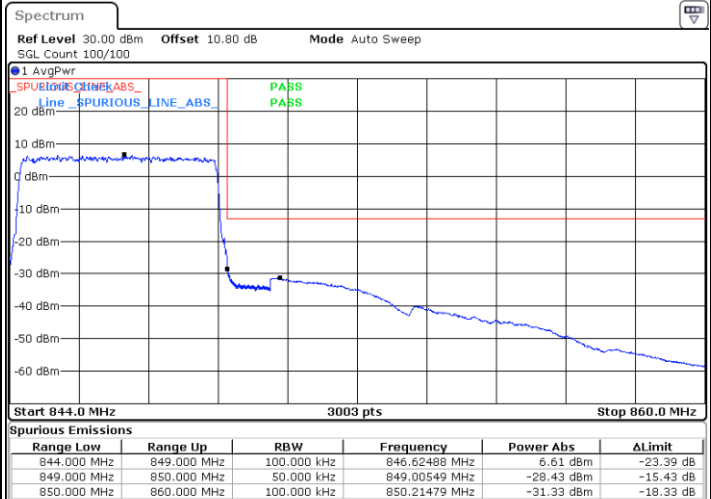
Date: 2 AUG 2017 23:10:55

Lowest Band Edge / Full RB



Date: 2 AUG 2017 23:02:42

Highest Band Edge / Full RB

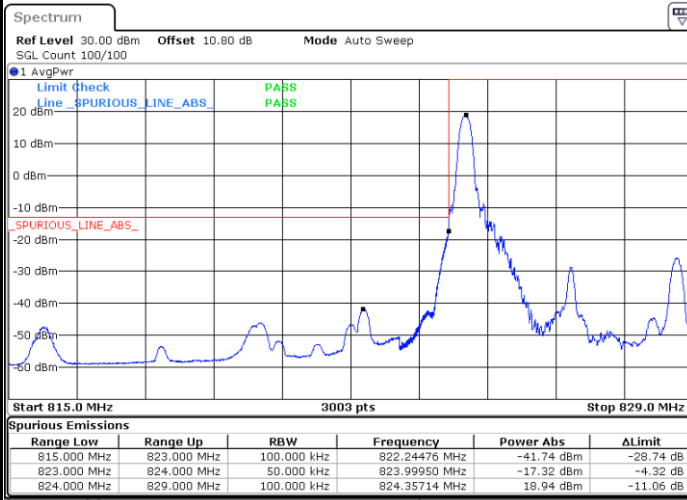


Date: 2 AUG 2017 23:14:13



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



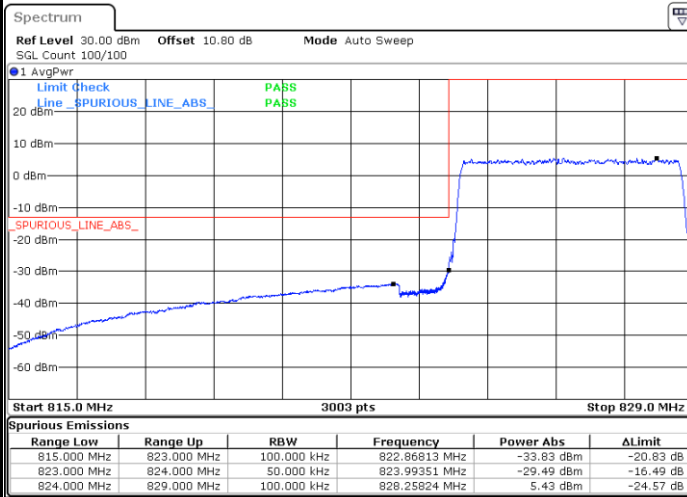
Date: 2 AUG 2017 23:01:03

Highest Band Edge / 1 RB



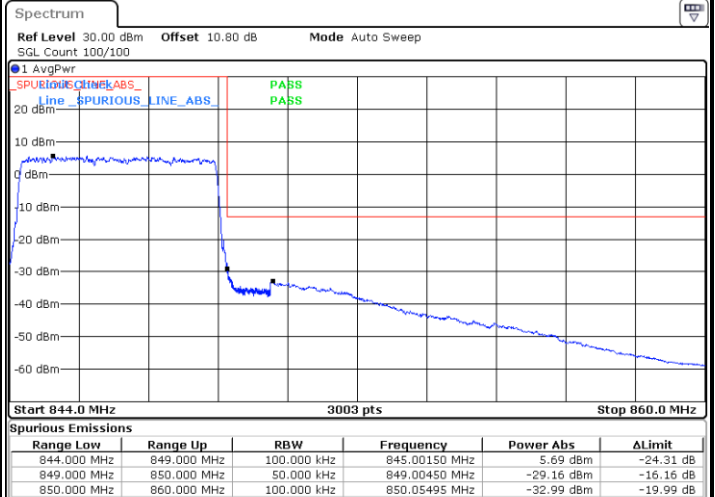
Date: 2 AUG 2017 23:12:34

Lowest Band Edge / Full RB



Date: 2 AUG 2017 23:04:21

Highest Band Edge / Full RB

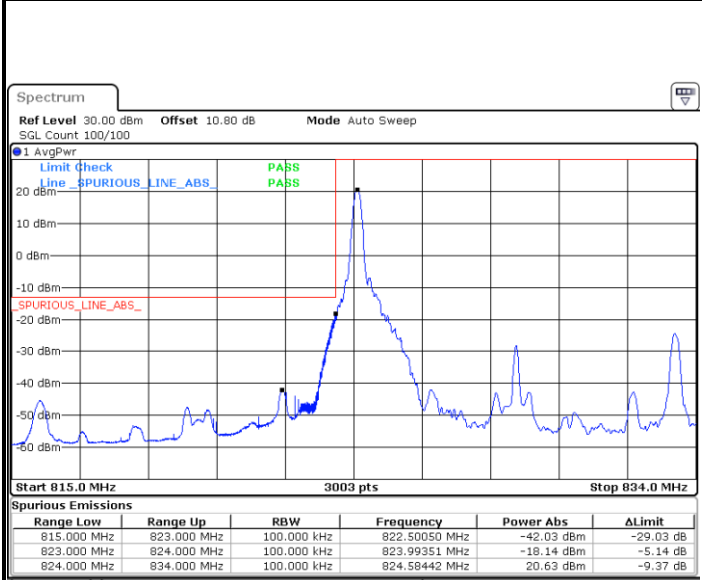


Date: 2 AUG 2017 23:15:52



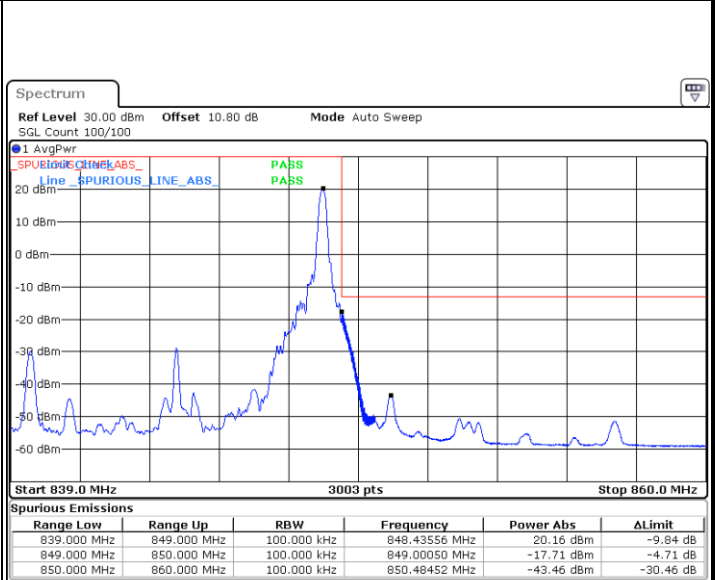
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



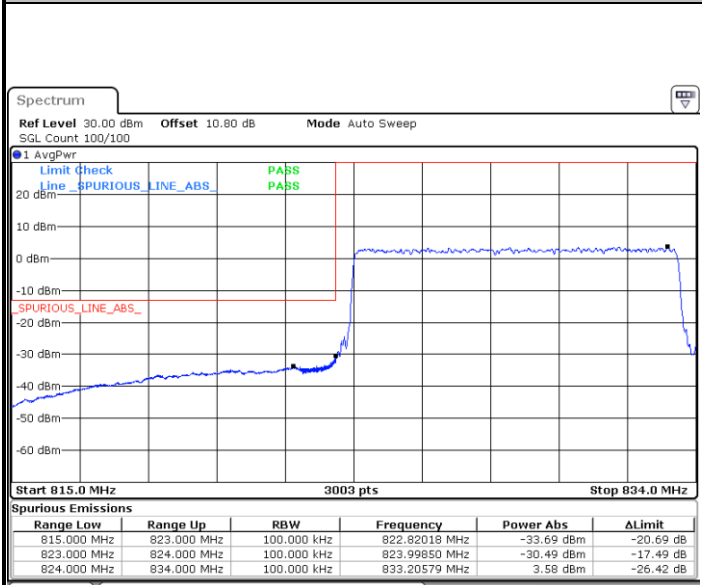
Date: 2 AUG 2017 23:19:58

Highest Band Edge / 1 RB



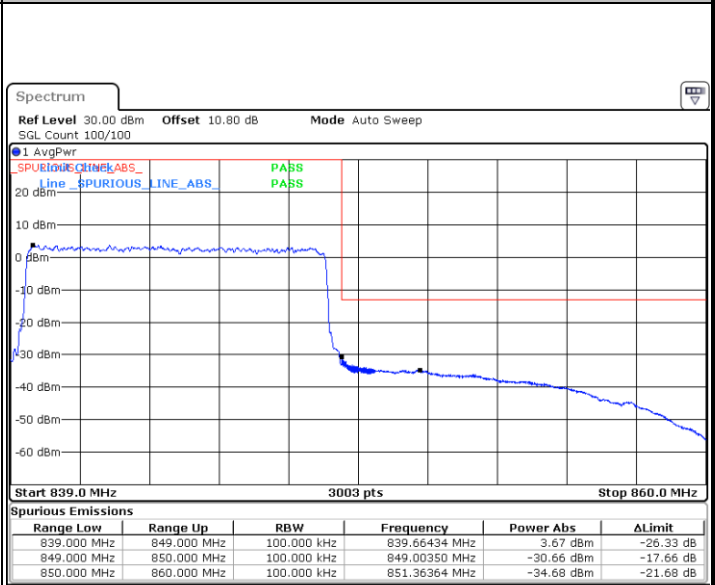
Date: 2 AUG 2017 23:31:28

Lowest Band Edge / Full RB



Date: 2 AUG 2017 23:23:16

Highest Band Edge / Full RB

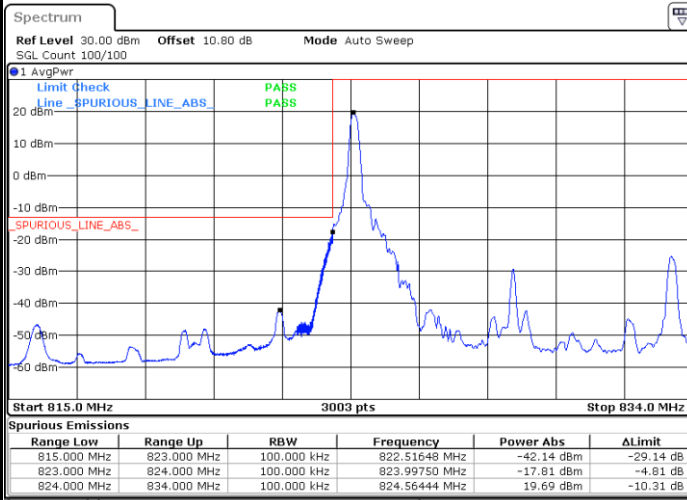


Date: 2 AUG 2017 23:34:46



LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



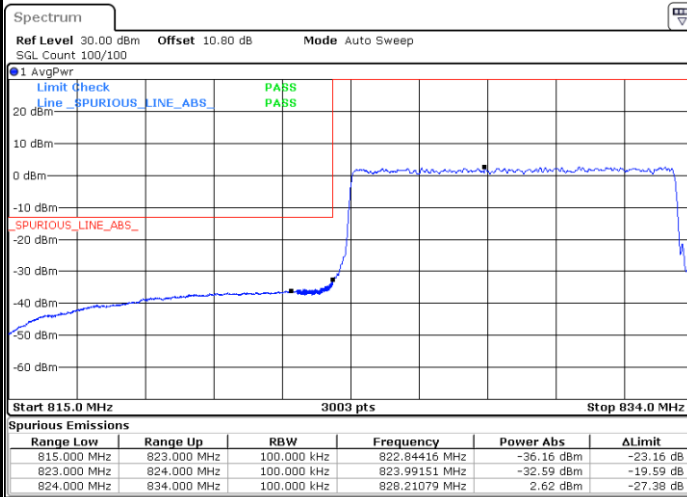
Date: 2 AUG 2017 23:21:37

Highest Band Edge / 1 RB



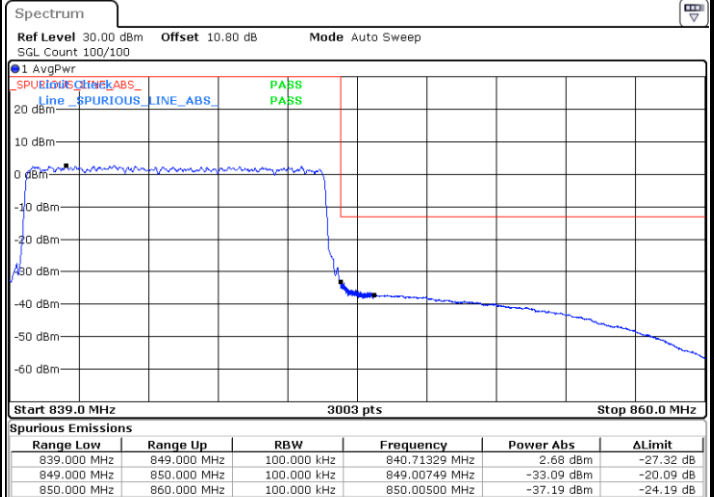
Date: 2 AUG 2017 23:33:07

Lowest Band Edge / Full RB



Date: 2 AUG 2017 23:24:54

Highest Band Edge / Full RB



Date: 2 AUG 2017 23:36:25



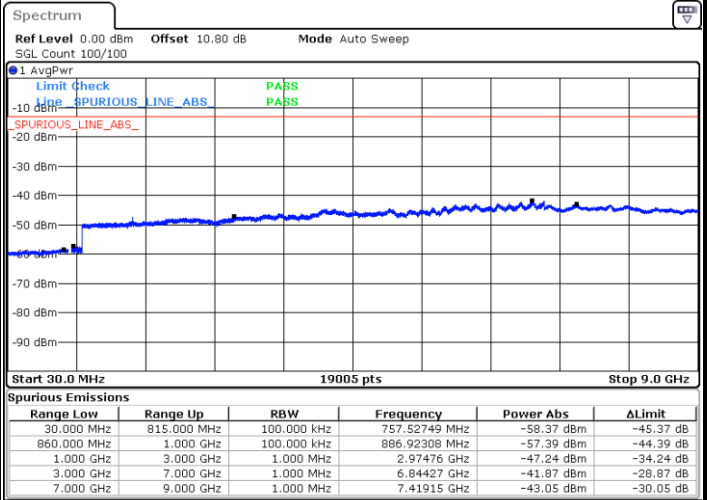
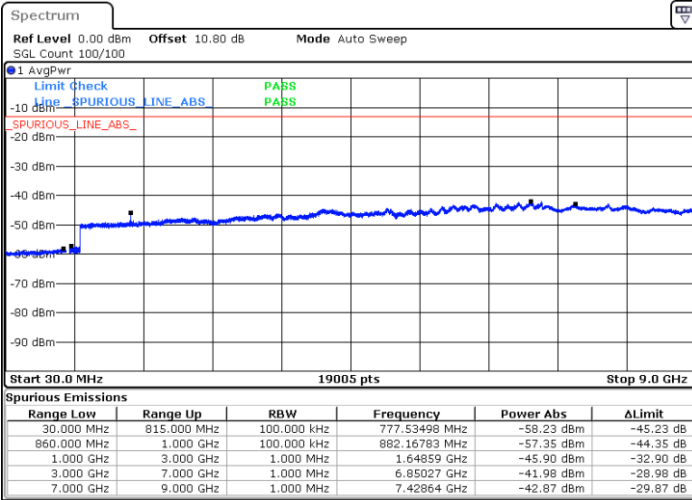
Conducted Spurious Emission



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

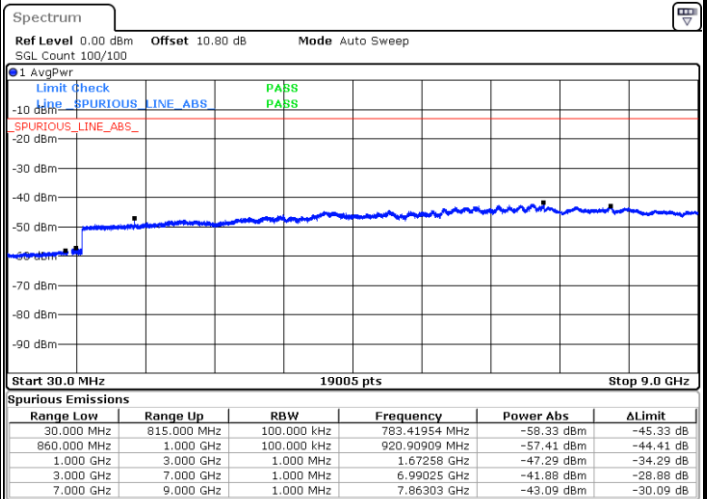
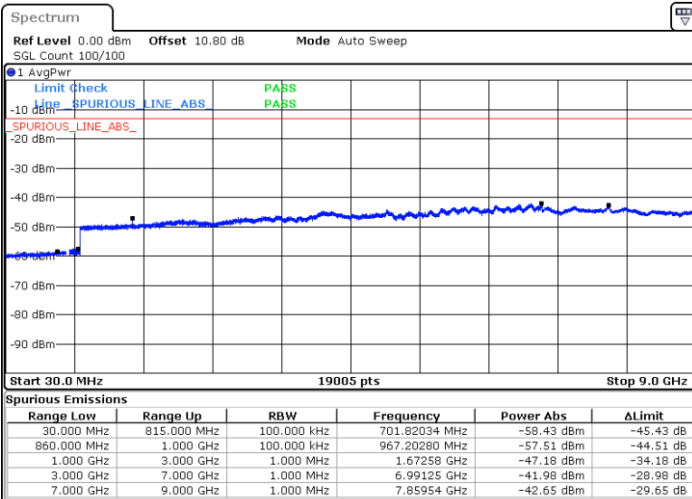


Date: 3 AUG.2017 10:58:36

Date: 3 AUG.2017 10:59:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3 AUG.2017 11:01:04

Date: 3 AUG.2017 11:01:58