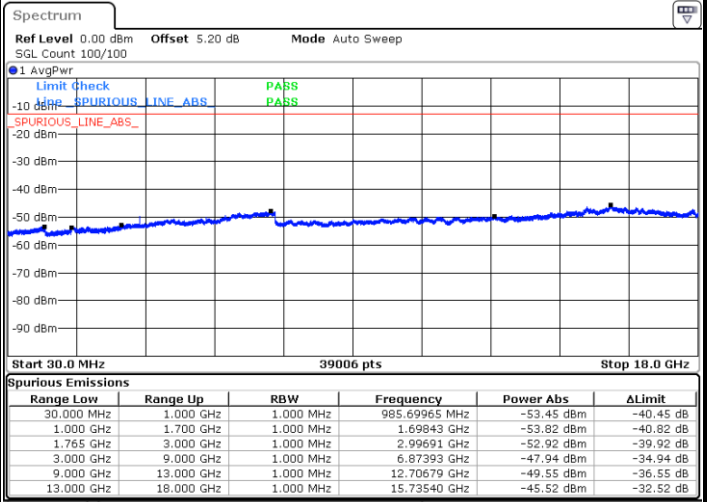
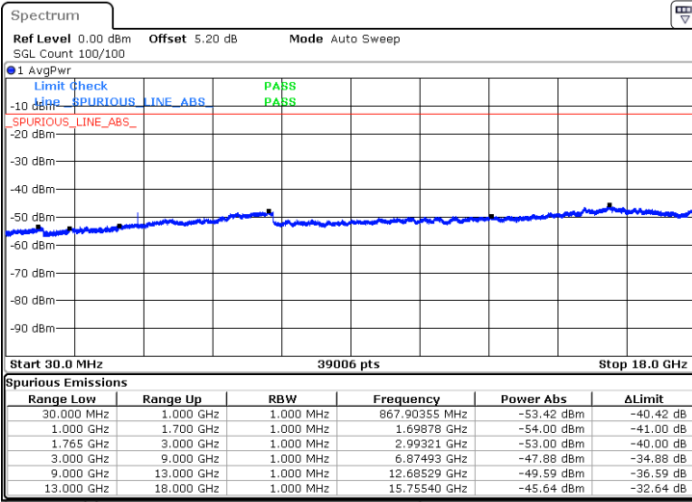




LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

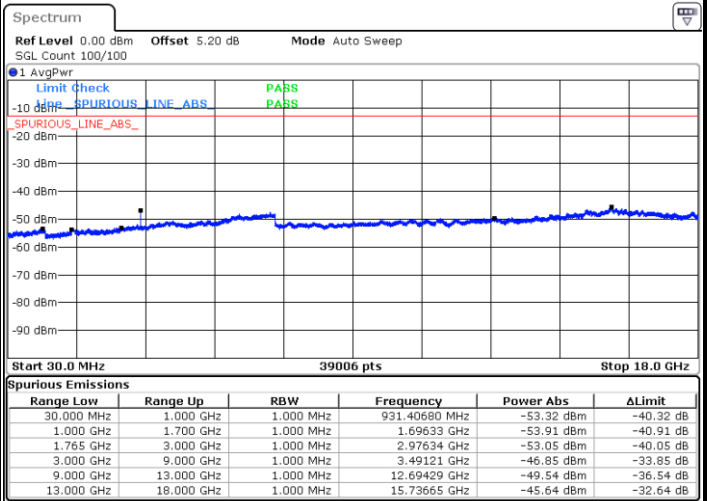
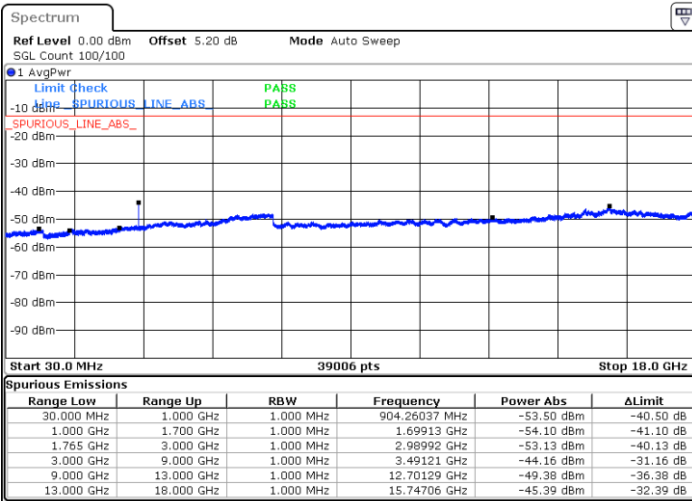


Date: 16 JAN 2020 01:22:24

Date: 16 JAN 2020 01:47:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16 JAN 2020 01:53:08

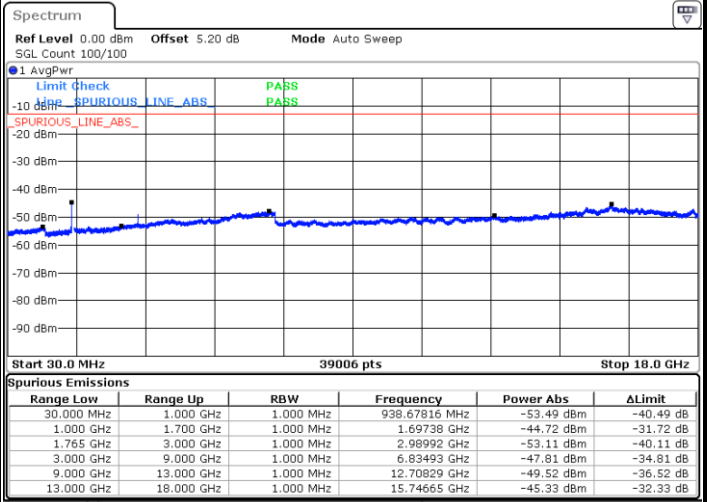
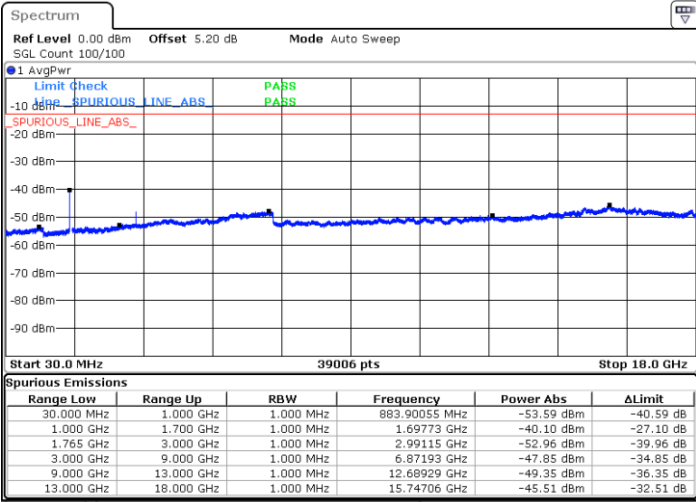
Date: 16 JAN 2020 01:54:03



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

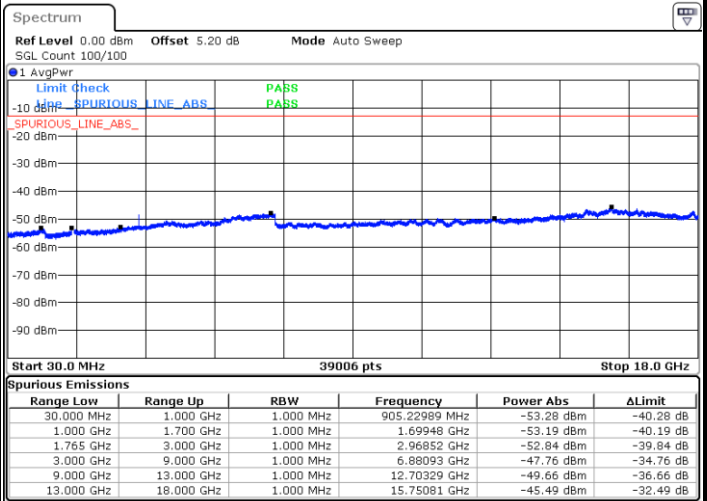
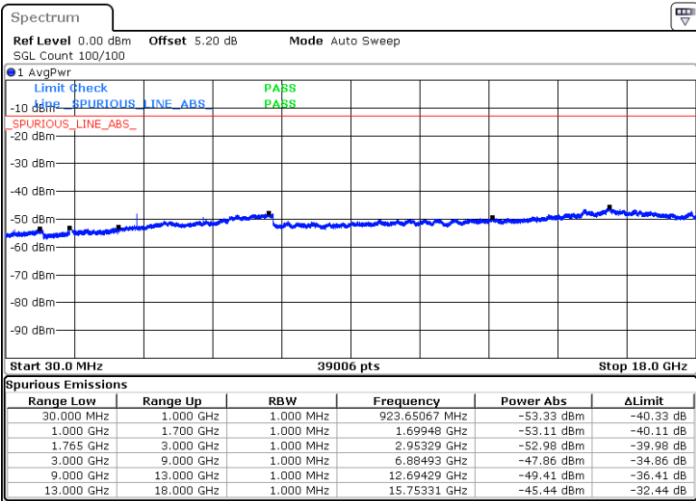


Date: 16 JAN 2020 02:00:07

Date: 16 JAN 2020 02:01:01

Middle Channel / QPSK

Middle Channel / 16QAM



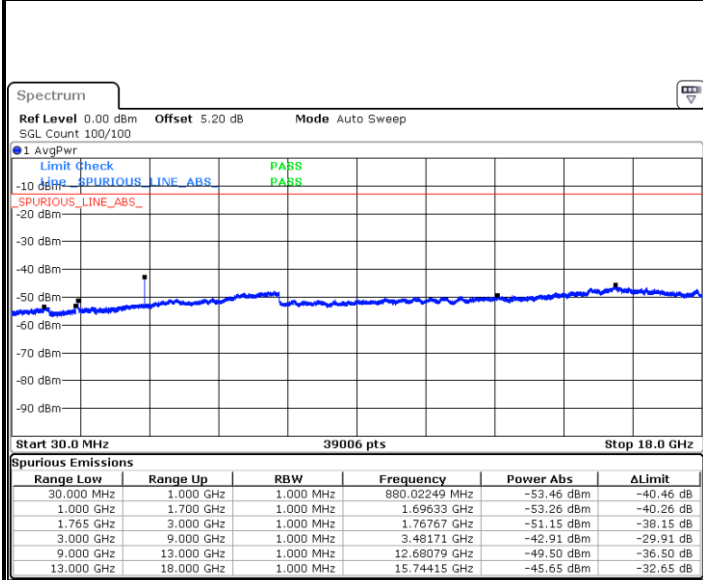
Date: 16 JAN 2020 02:02:36

Date: 16 JAN 2020 02:03:30



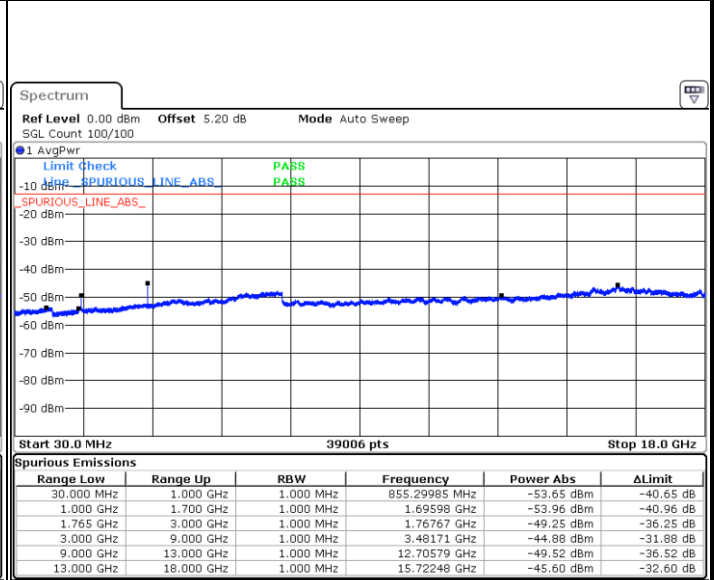
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 16 JAN 2020 02:09:34

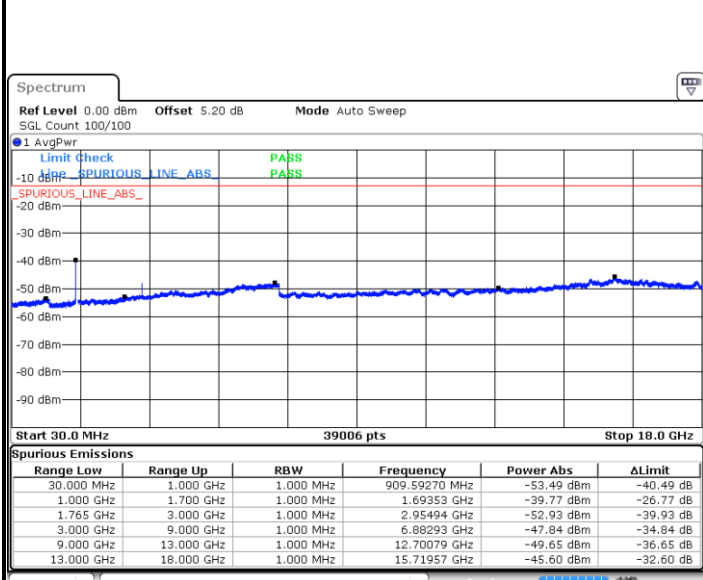
Highest Channel / 16QAM



Date: 16 JAN 2020 02:10:29

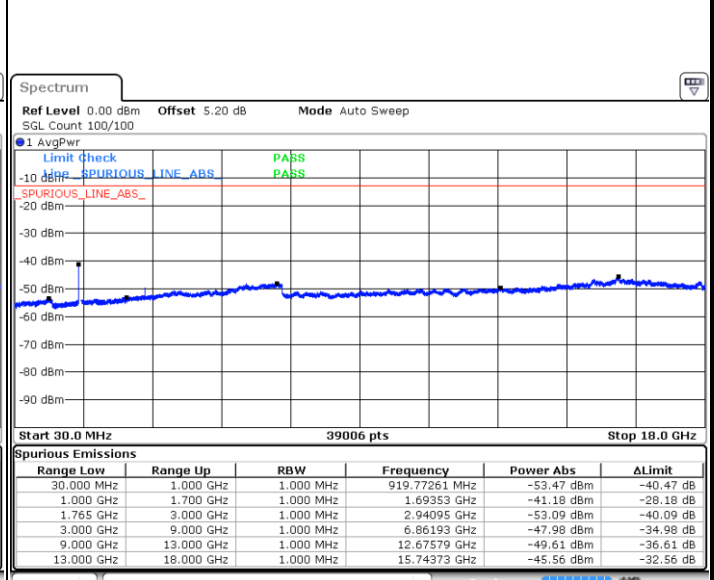
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 16 JAN 2020 02:16:33

Lowest Channel / 16QAM

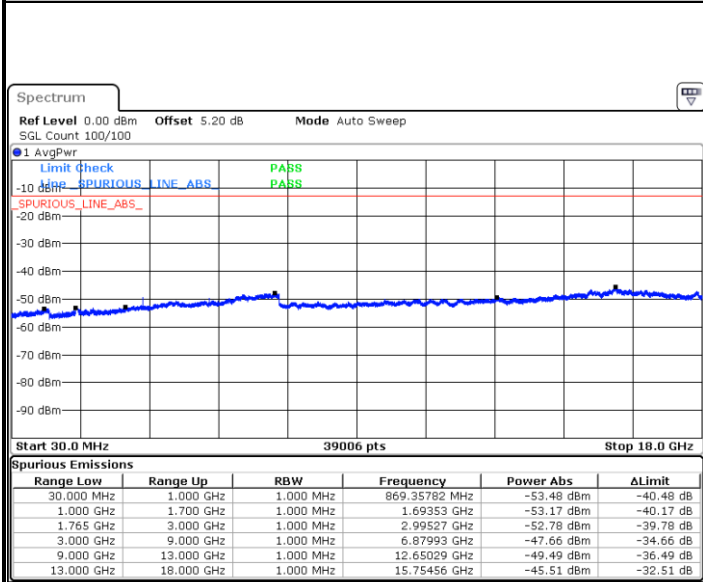


Date: 16 JAN 2020 02:17:27



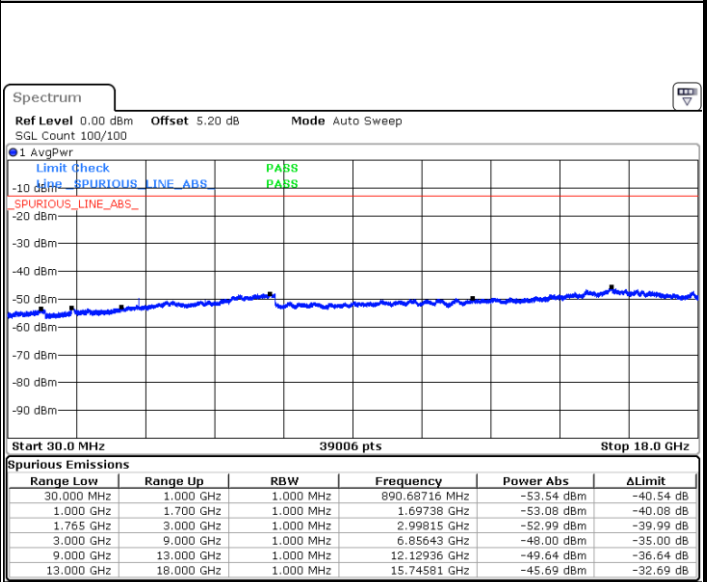
LTE Band 4 / 20MHz

Middle Channel / QPSK



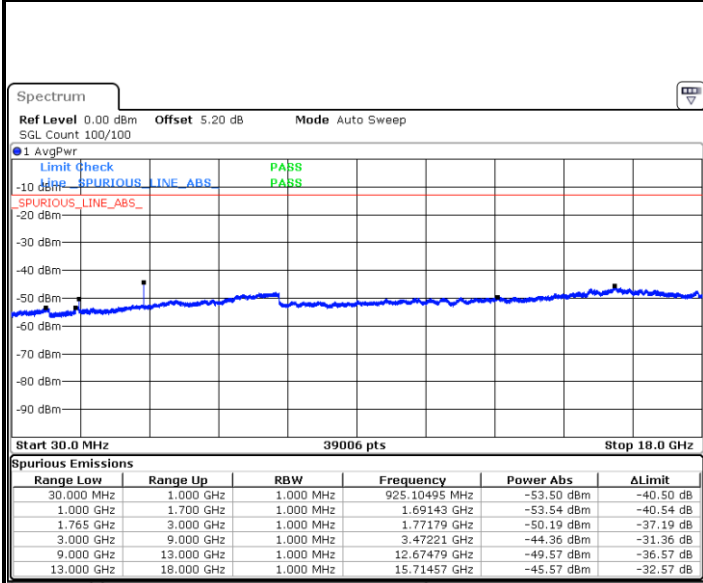
Date: 16 JAN 2020 02:19:01

Middle Channel / 16QAM



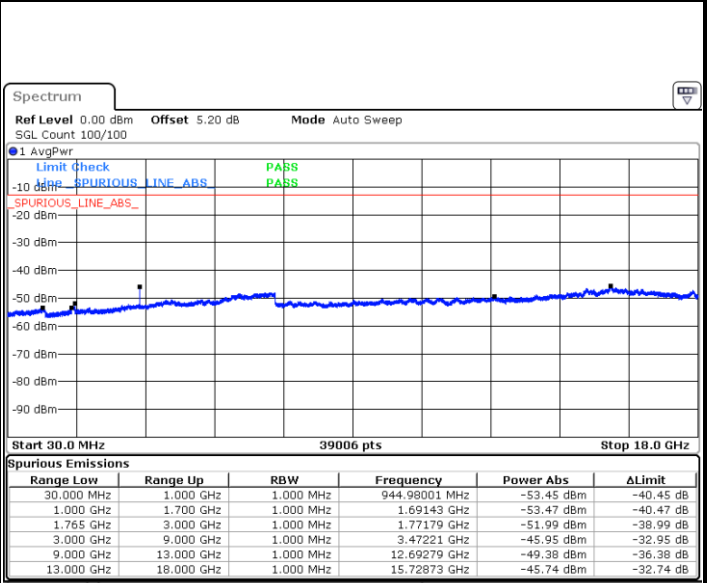
Date: 16 JAN 2020 02:19:56

Highest Channel / QPSK



Date: 16 JAN 2020 02:26:00

Highest Channel / 16QAM



Date: 16 JAN 2020 02:26:54



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	0.0016	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =7.2 V. ; Battery End Point (BEP) =7 V. ; Maximum Voltage =8.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

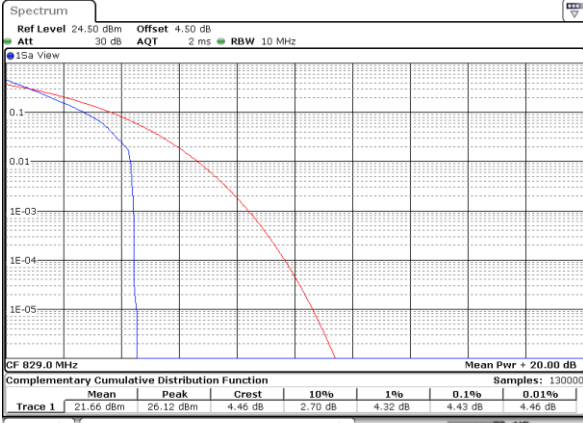
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.43	5.16	5.22	6.09	PASS
Middle CH	4.67	5.16	5.42	6.12	
Highest CH	4.38	4.93	4.99	5.77	



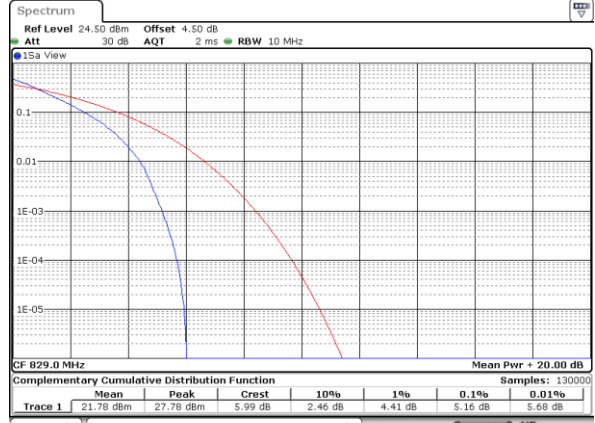
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



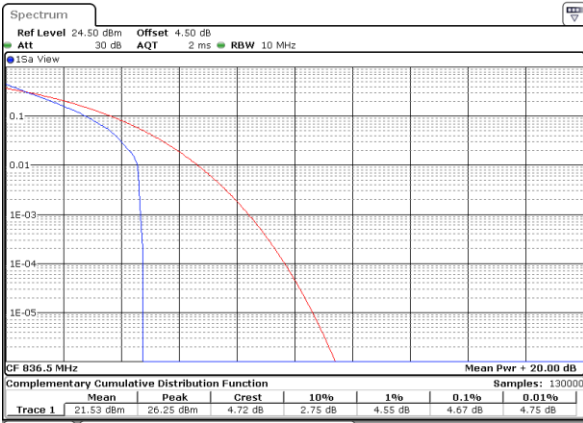
Date: 16 JAN 2020 03:31:41

Lowest Channel / Full RB



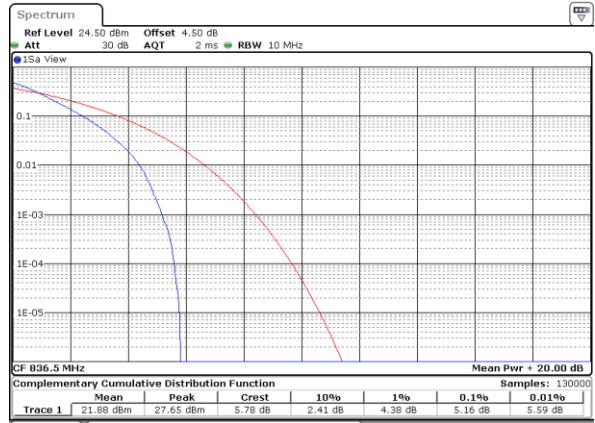
Date: 16 JAN 2020 03:31:50

Middle Channel / 1RB



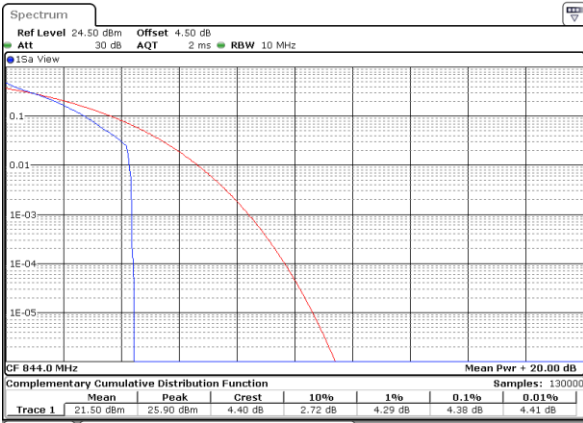
Date: 16 JAN 2020 03:31:59

Middle Channel / Full RB



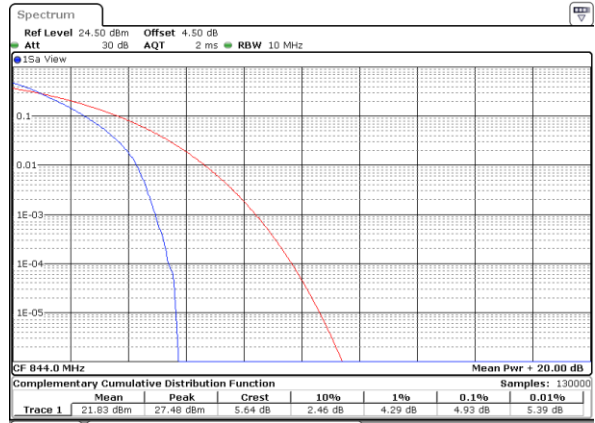
Date: 16 JAN 2020 03:32:08

Highest Channel / 1RB



Date: 16 JAN 2020 03:32:17

Highest Channel / Full RB

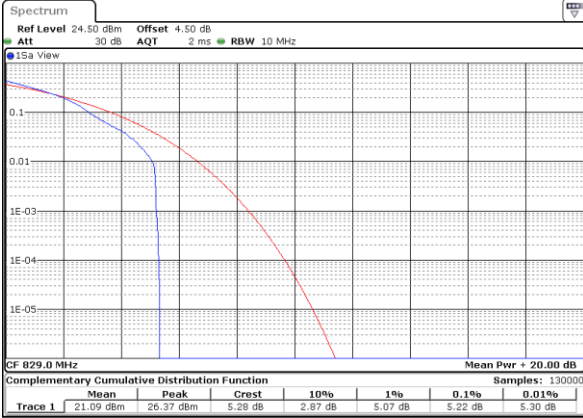


Date: 16 JAN 2020 03:32:26



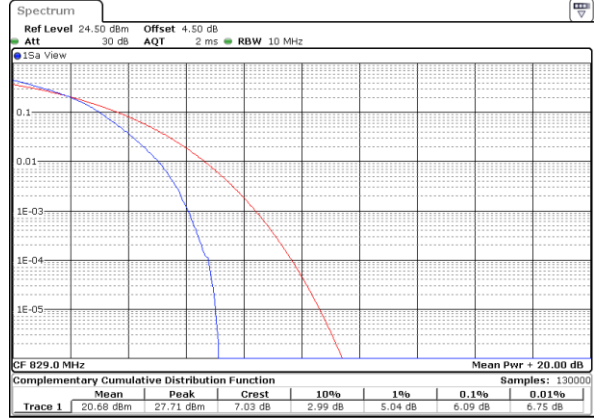
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



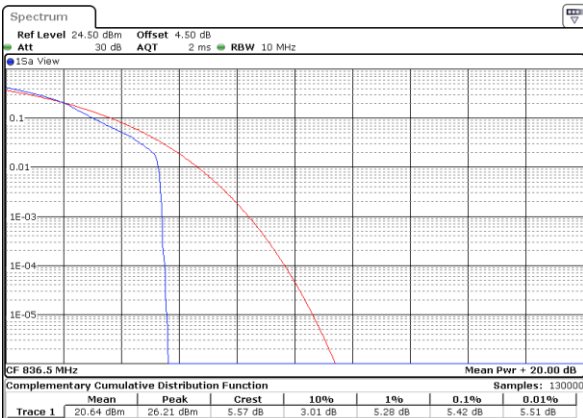
Date: 16 JAN 2020 03:30:36

Lowest Channel / Full RB



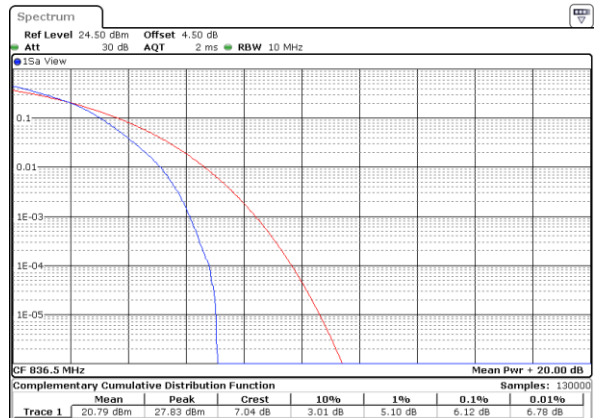
Date: 16 JAN 2020 03:30:46

Middle Channel / 1RB



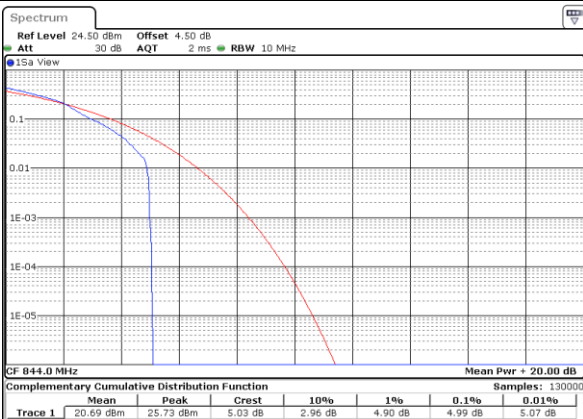
Date: 16 JAN 2020 03:30:55

Middle Channel / Full RB



Date: 16 JAN 2020 03:31:13

Highest Channel / 1RB



Date: 16 JAN 2020 03:31:23

Highest Channel / Full RB



Date: 16 JAN 2020 03:31:32



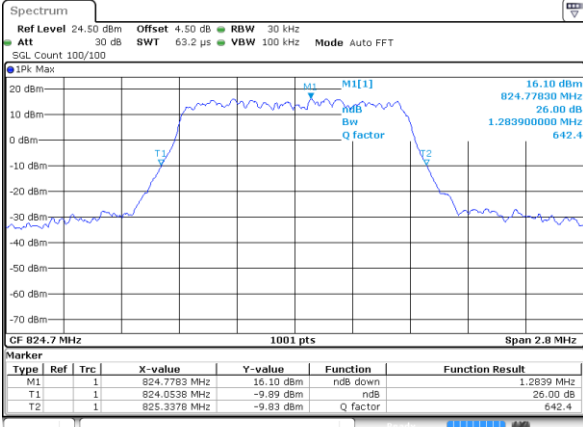
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)							
	1.4MHz		3MHz		5MHz		10MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.284	1.264	3.027	3.003	4.905	4.915	9.790	9.850
Middle CH	1.281	1.273	2.979	3.021	4.925	4.915	9.770	9.950
Highest CH	1.276	1.292	2.997	2.985	4.915	4.915	9.910	9.850



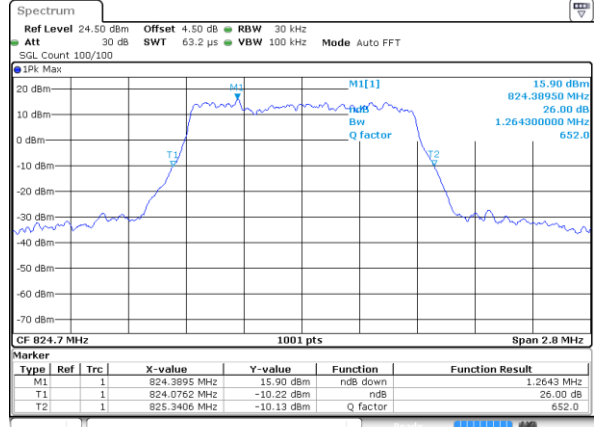
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



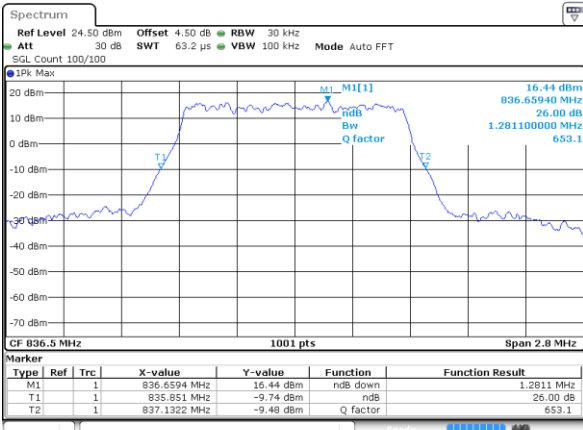
Date: 16 JAN 2020 02:30:56

Lowest Channel / 1.4MHz / 16QAM



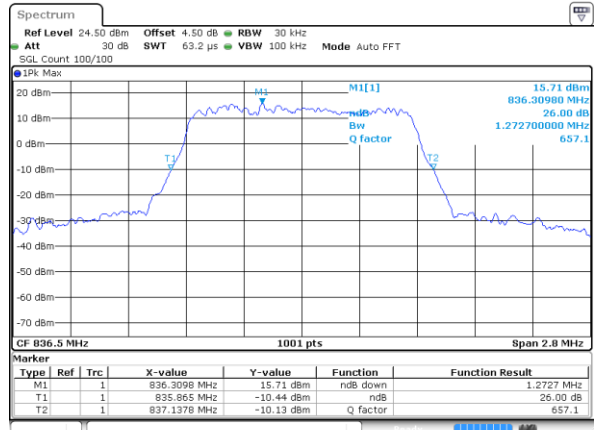
Date: 16 JAN 2020 02:30:46

Middle Channel / 1.4MHz / QPSK



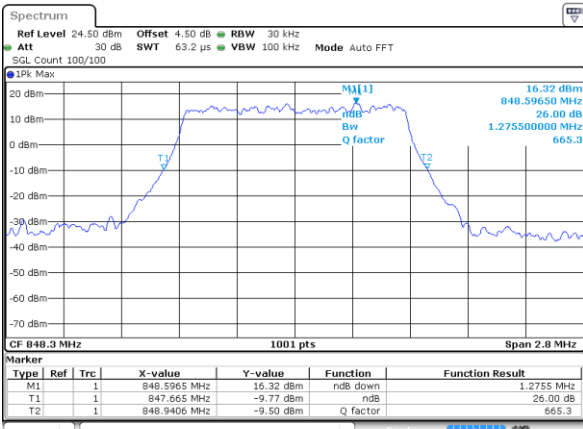
Date: 16 JAN 2020 02:42:49

Middle Channel / 1.4MHz / 16QAM



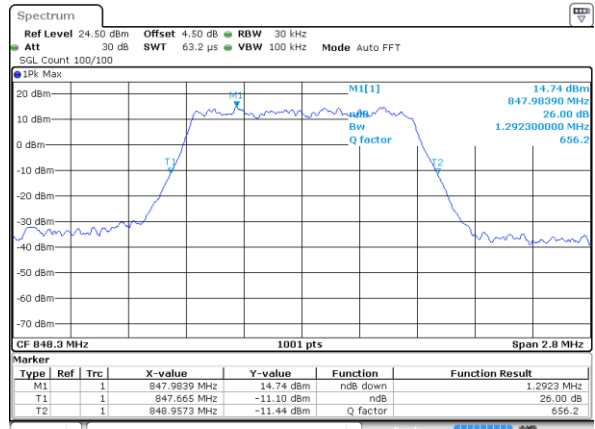
Date: 16 JAN 2020 02:42:59

Highest Channel / 1.4MHz / QPSK



Date: 16 JAN 2020 02:45:18

Highest Channel / 1.4MHz / 16QAM

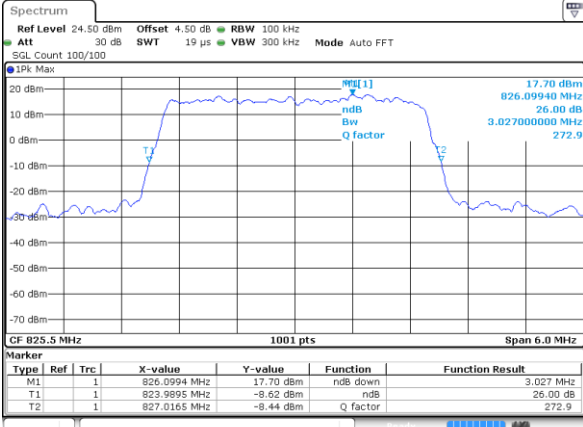


Date: 16 JAN 2020 02:45:28



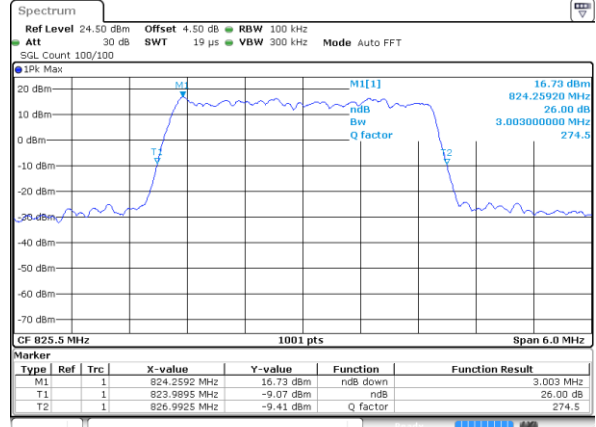
LTE Band 5

Lowest Channel / 3MHz / QPSK



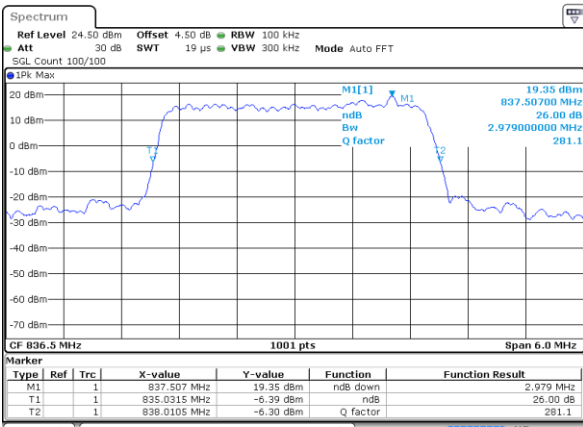
Date: 16 JAN 2020 02:54:15

Lowest Channel / 3MHz / 16QAM



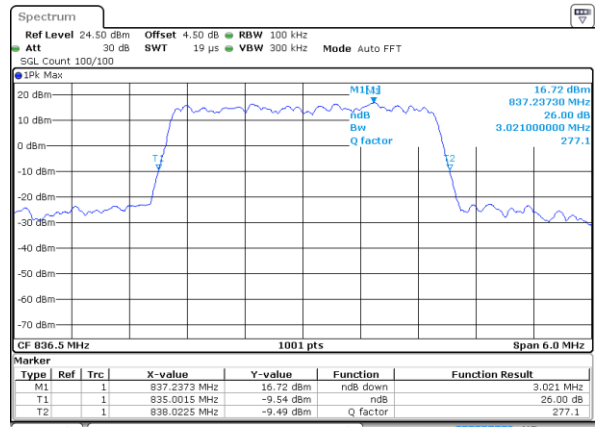
Date: 16 JAN 2020 02:54:25

Middle Channel / 3MHz / QPSK



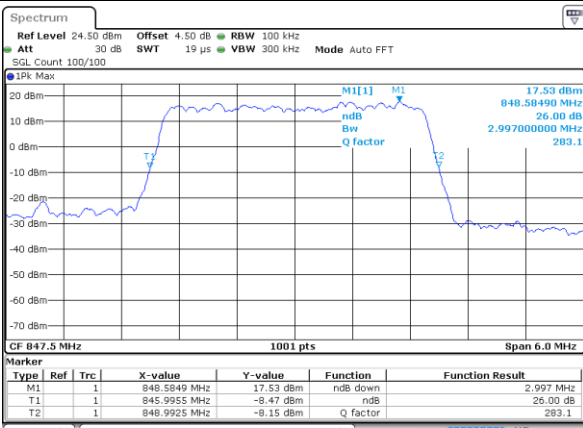
Date: 16 JAN 2020 07:32:11

Middle Channel / 3MHz / 16QAM



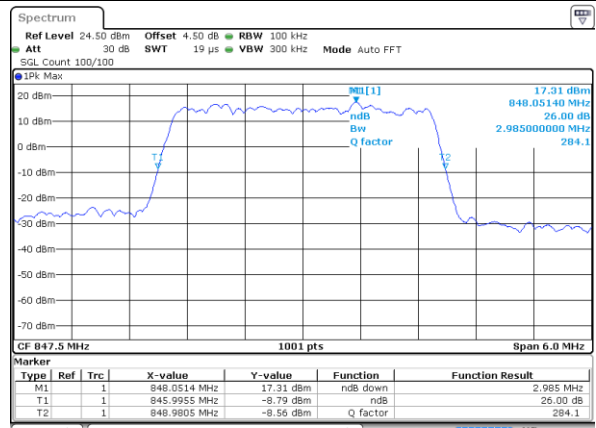
Date: 16 JAN 2020 07:32:21

Highest Channel / 3MHz / QPSK



Date: 16 JAN 2020 07:34:40

Highest Channel / 3MHz / 16QAM

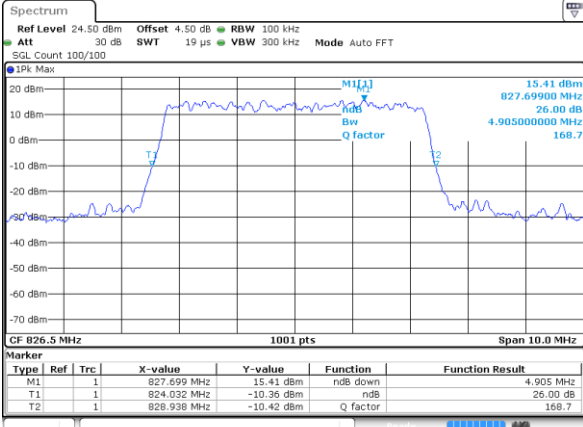


Date: 16 JAN 2020 07:34:50



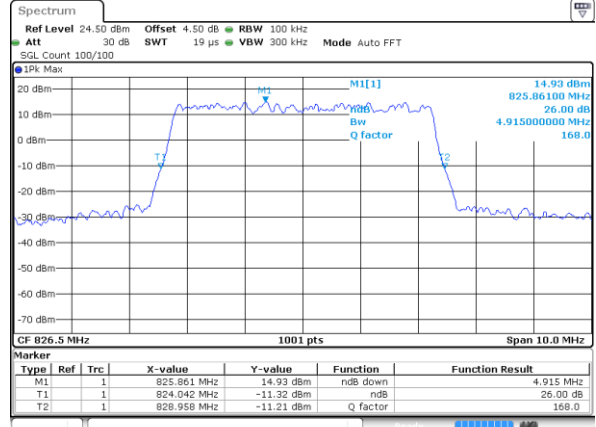
LTE Band 5

Lowest Channel / 5MHz / QPSK



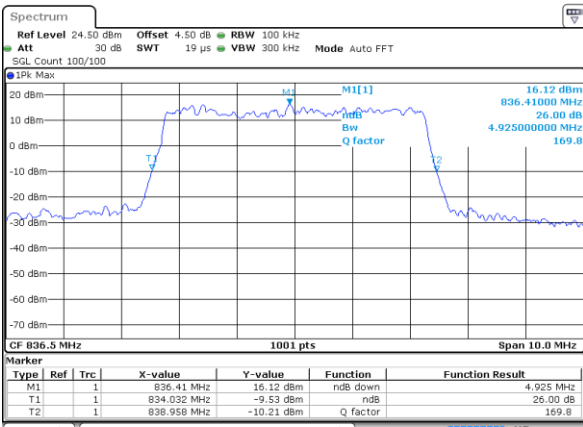
Date: 16 JAN 2020 07:45:42

Lowest Channel / 5MHz / 16QAM



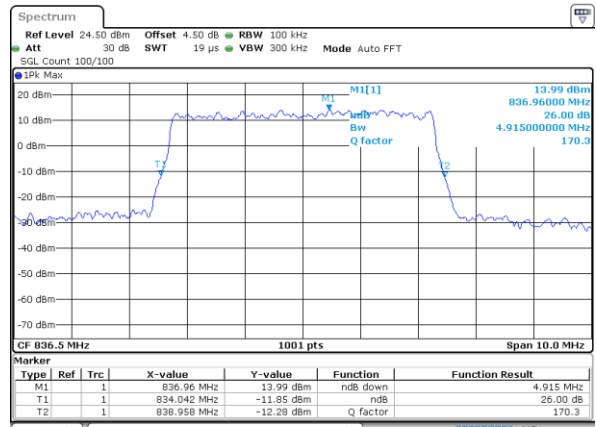
Date: 16 JAN 2020 07:45:52

Middle Channel / 5MHz / QPSK



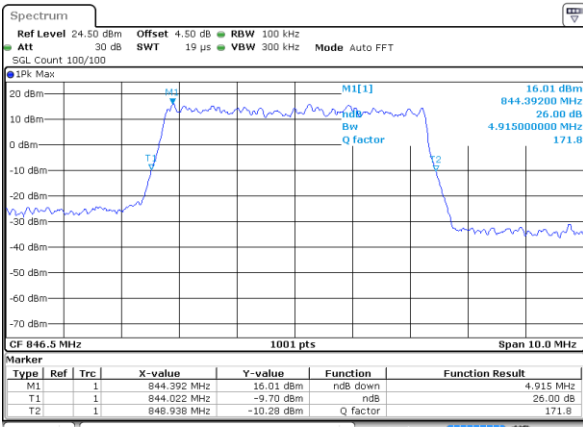
Date: 16 JAN 2020 02:55:49

Middle Channel / 5MHz / 16QAM



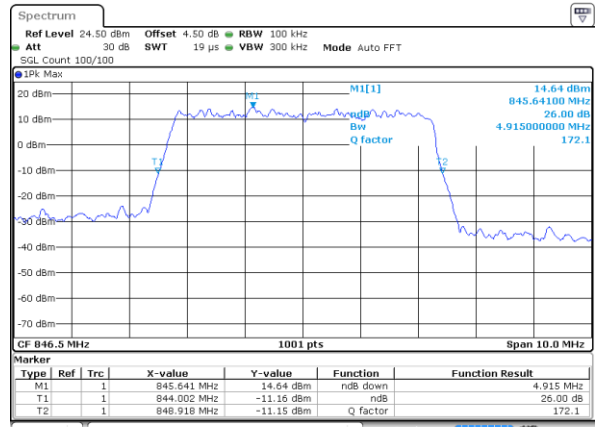
Date: 16 JAN 2020 02:55:59

Highest Channel / 5MHz / QPSK



Date: 16 JAN 2020 02:58:18

Highest Channel / 5MHz / 16QAM

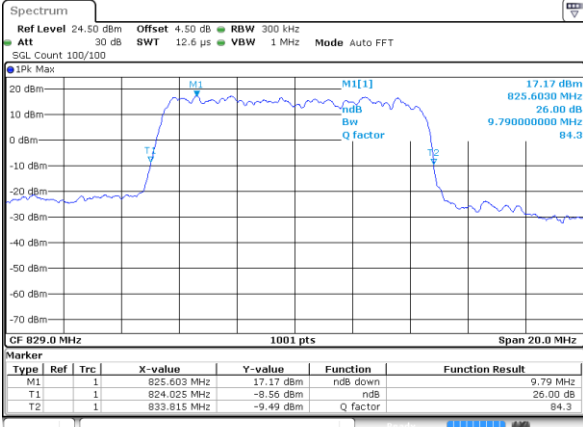


Date: 16 JAN 2020 02:58:28



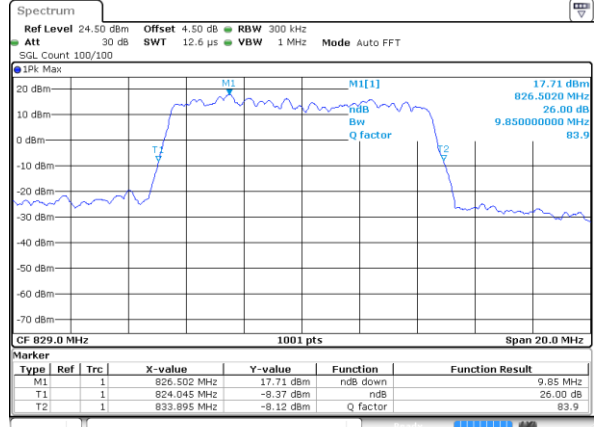
LTE Band 5

Lowest Channel / 10MHz / QPSK



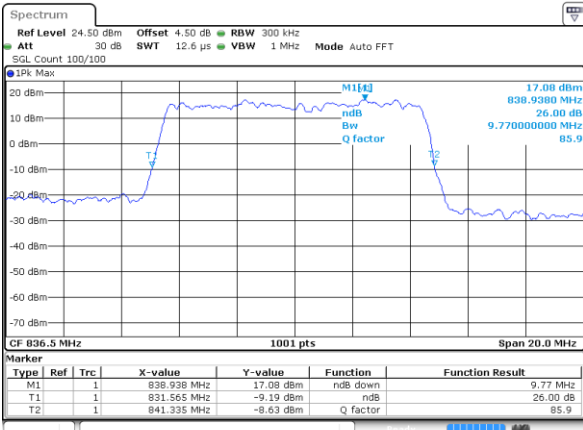
Date: 16 JAN 2020 03:07:16

Lowest Channel / 10MHz / 16QAM



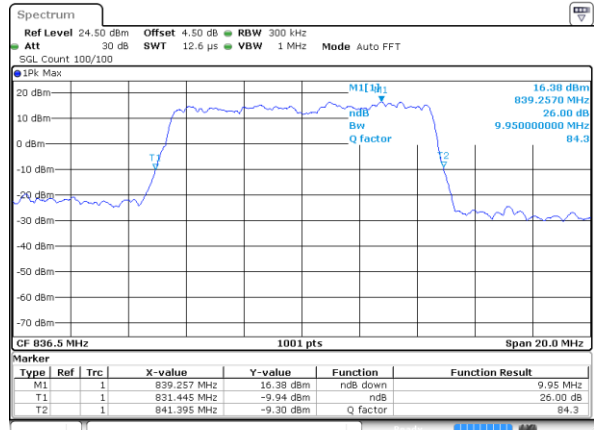
Date: 16 JAN 2020 03:07:25

Middle Channel / 10MHz / QPSK



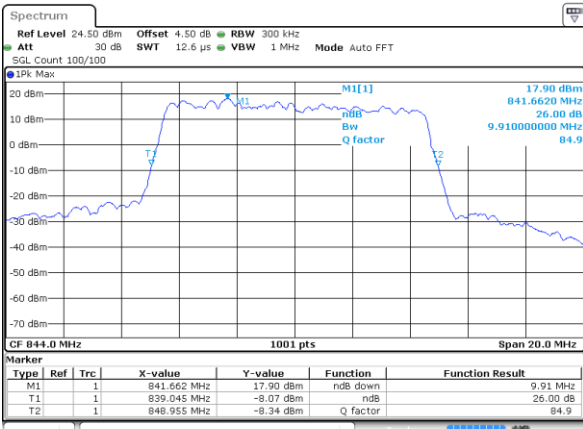
Date: 16 JAN 2020 03:16:13

Middle Channel / 10MHz / 16QAM



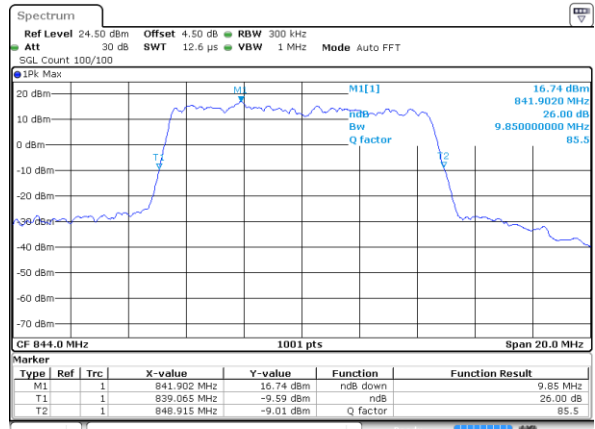
Date: 16 JAN 2020 03:16:23

Highest Channel / 10MHz / QPSK



Date: 16 JAN 2020 03:18:41

Highest Channel / 10MHz / 16QAM



Date: 16 JAN 2020 03:18:51



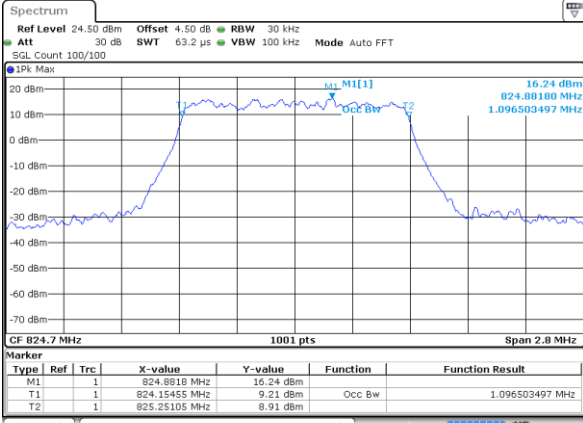
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)							
	1.4MHz		3MHz		5MHz		10MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.097	1.085	2.709	2.703	4.486	4.496	8.991	9.011
Middle CH	1.097	1.077	2.715	2.727	4.515	4.515	9.011	8.991
Highest CH	1.091	1.102	2.715	2.721	4.505	4.496	9.091	8.991



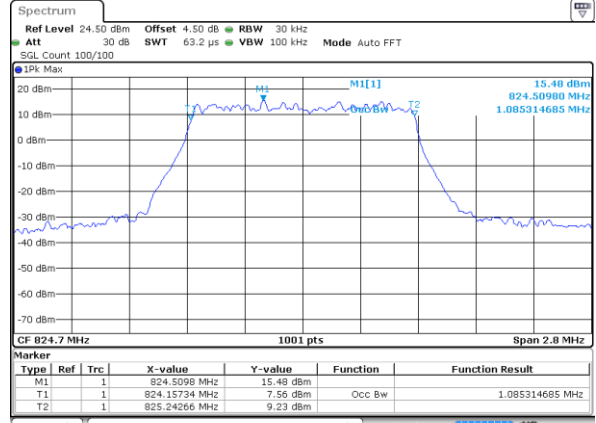
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



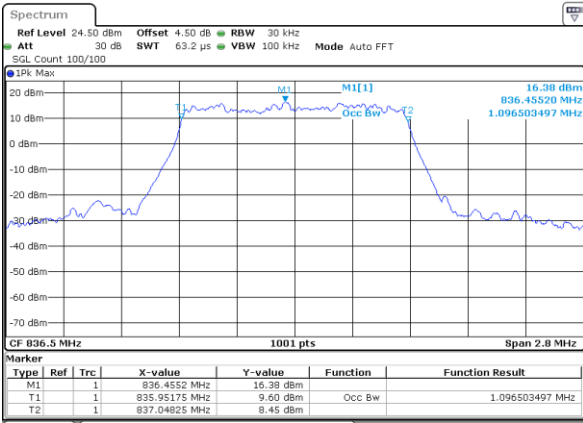
Date: 16 JAN 2020 02:30:26

Lowest Channel / 1.4MHz / 16QAM



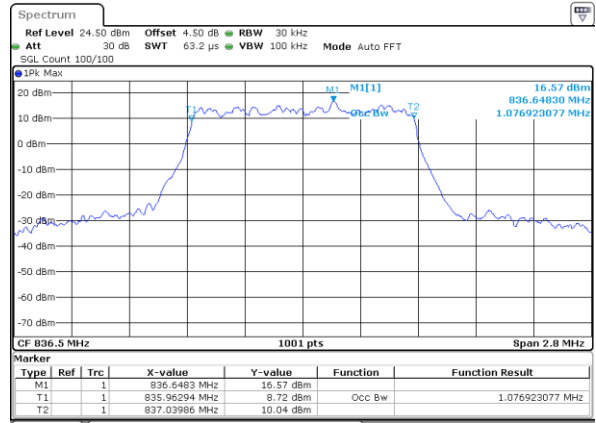
Date: 16 JAN 2020 02:30:36

Middle Channel / 1.4MHz / QPSK



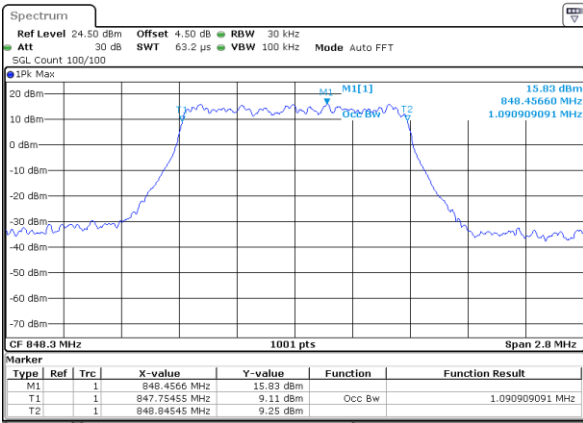
Date: 16 JAN 2020 02:42:29

Middle Channel / 1.4MHz / 16QAM



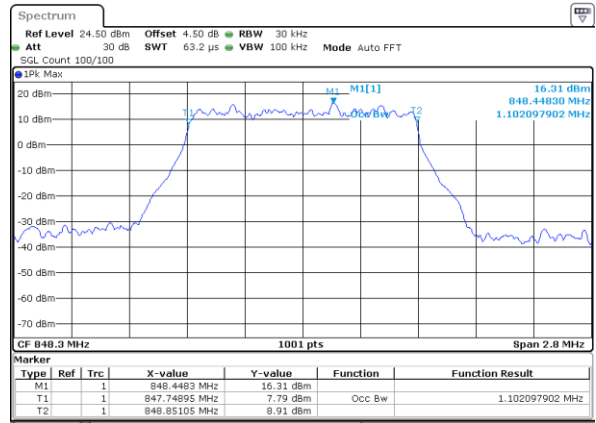
Date: 16 JAN 2020 02:42:39

Highest Channel / 1.4MHz / QPSK



Date: 16 JAN 2020 02:44:58

Highest Channel / 1.4MHz / 16QAM

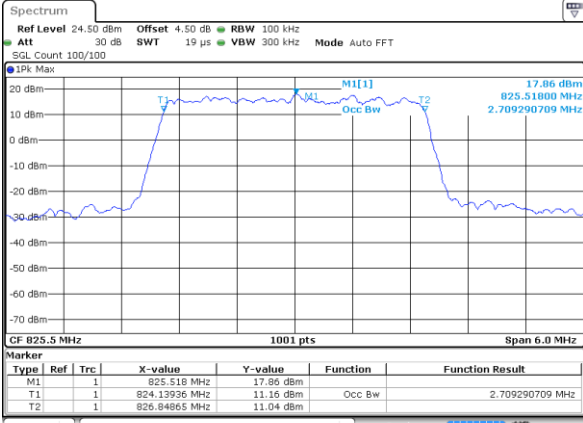


Date: 16 JAN 2020 02:45:08



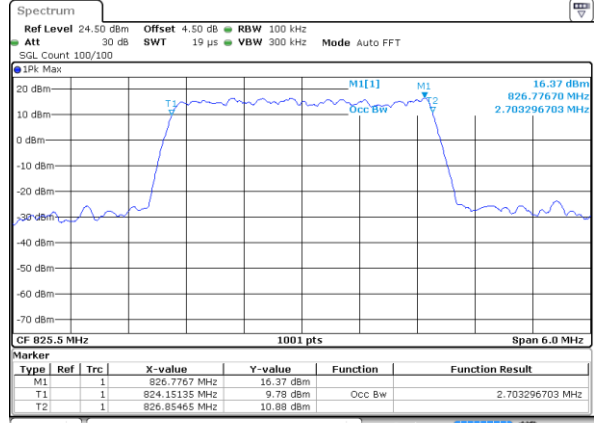
LTE Band 5

Lowest Channel / 3MHz / QPSK



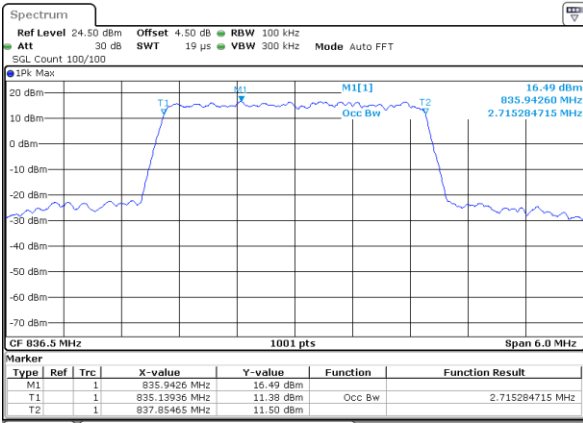
Date: 16 JAN 2020 02:53:55

Lowest Channel / 3MHz / 16QAM



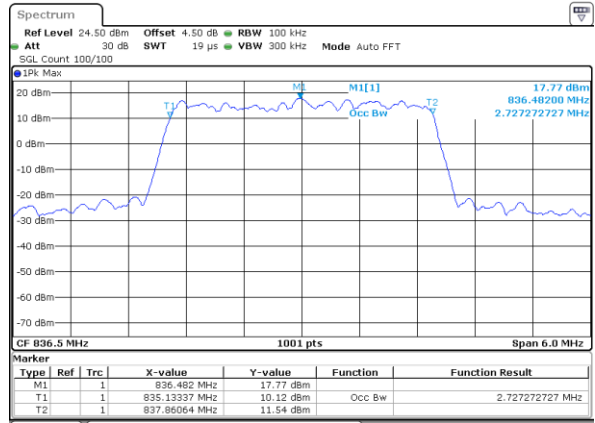
Date: 16 JAN 2020 02:54:05

Middle Channel / 3MHz / QPSK



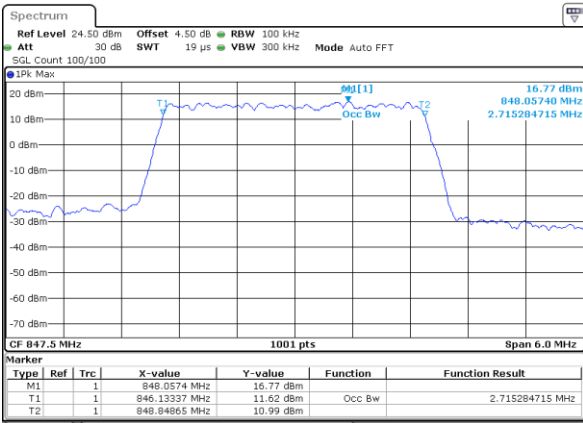
Date: 16 JAN 2020 07:31:51

Middle Channel / 3MHz / 16QAM



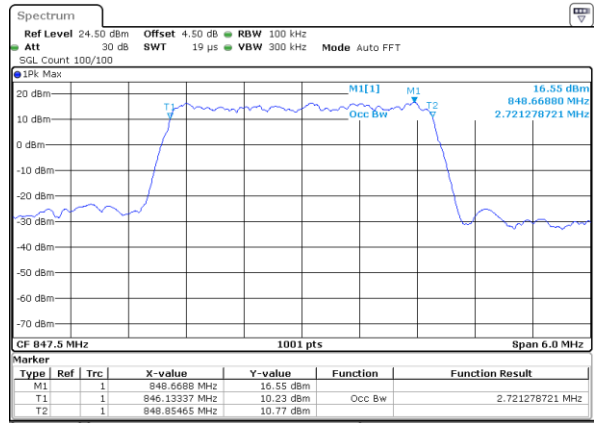
Date: 16 JAN 2020 07:32:01

Highest Channel / 3MHz / QPSK



Date: 16 JAN 2020 07:34:20

Highest Channel / 3MHz / 16QAM

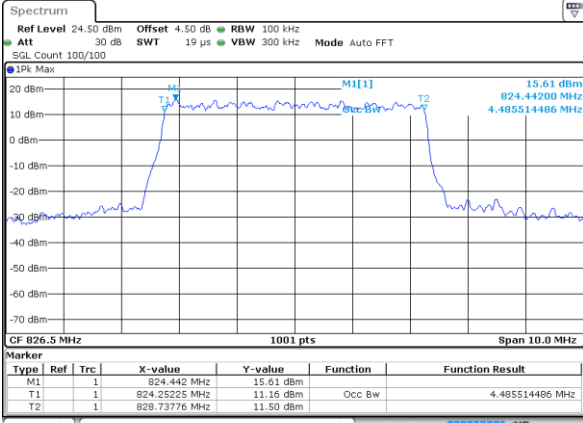


Date: 16 JAN 2020 07:34:30



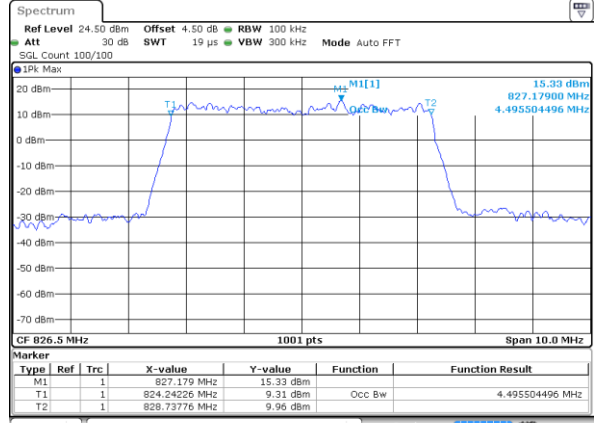
LTE Band 5

Lowest Channel / 5MHz / QPSK



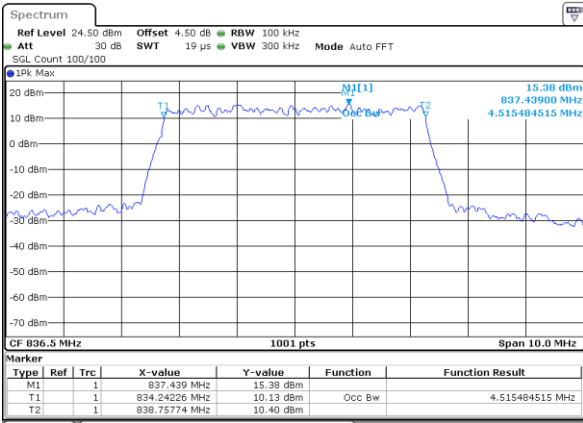
Date: 16 JAN 2020 07:45:22

Lowest Channel / 5MHz / 16QAM



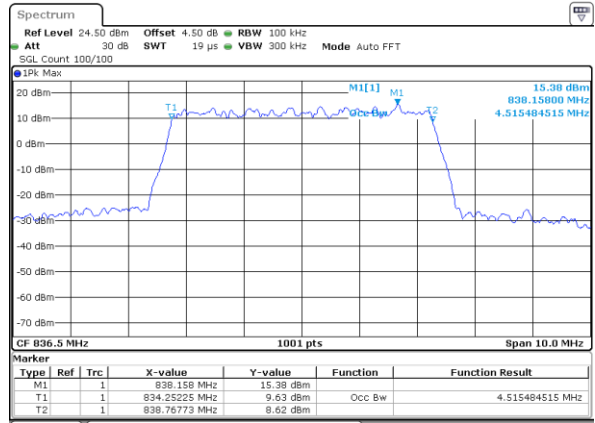
Date: 16 JAN 2020 07:45:32

Middle Channel / 5MHz / QPSK



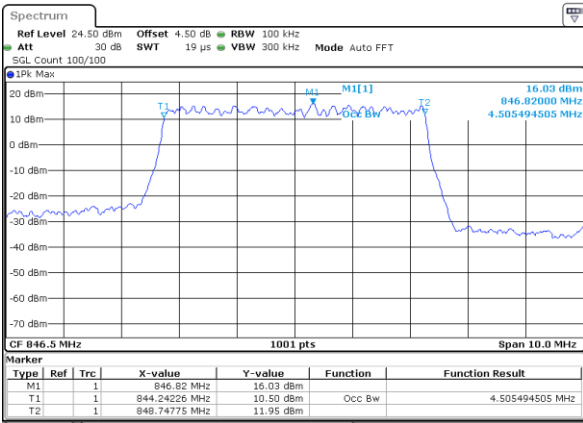
Date: 16 JAN 2020 02:55:29

Middle Channel / 5MHz / 16QAM



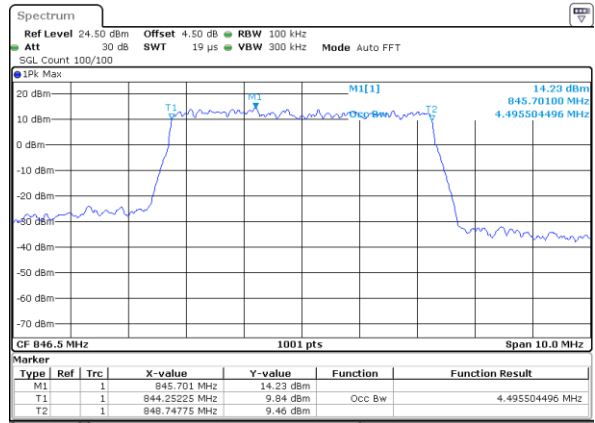
Date: 16 JAN 2020 02:55:39

Highest Channel / 5MHz / QPSK



Date: 16 JAN 2020 02:57:58

Highest Channel / 5MHz / 16QAM

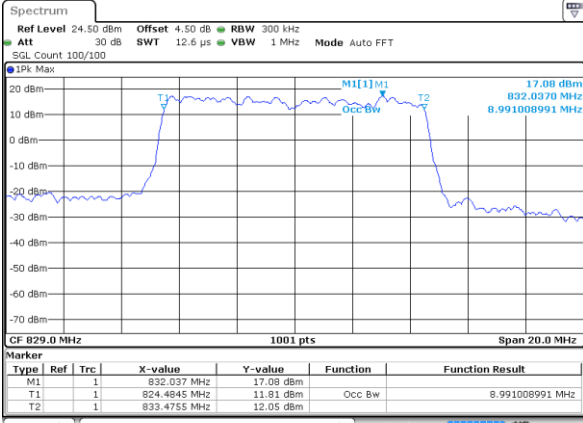


Date: 16 JAN 2020 02:58:08



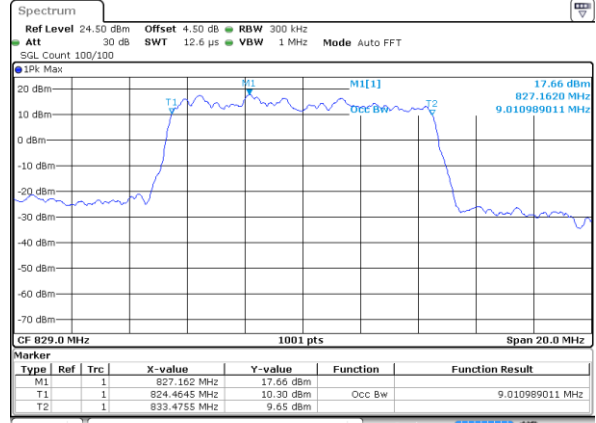
LTE Band 5

Lowest Channel / 10MHz / QPSK



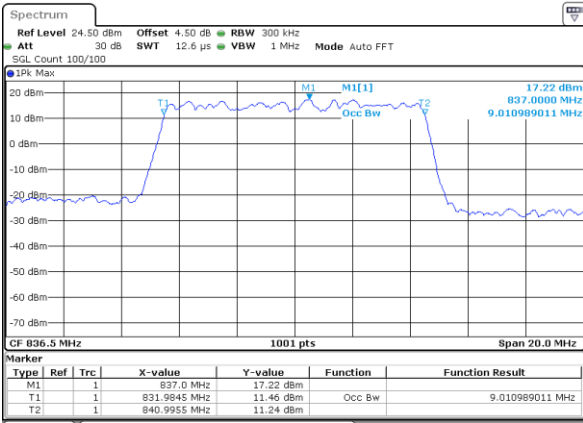
Date: 16 JAN 2020 03:06:56

Lowest Channel / 10MHz / 16QAM



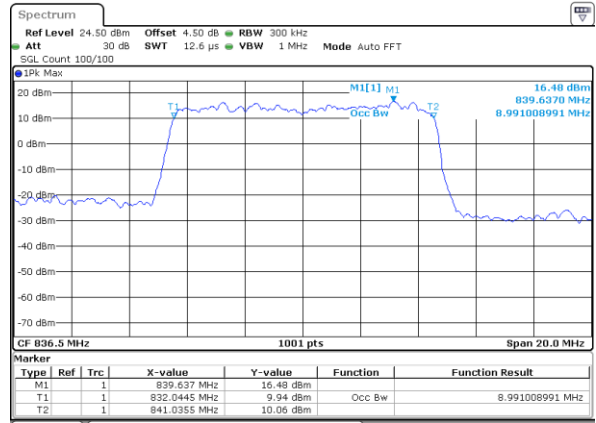
Date: 16 JAN 2020 03:07:06

Middle Channel / 10MHz / QPSK



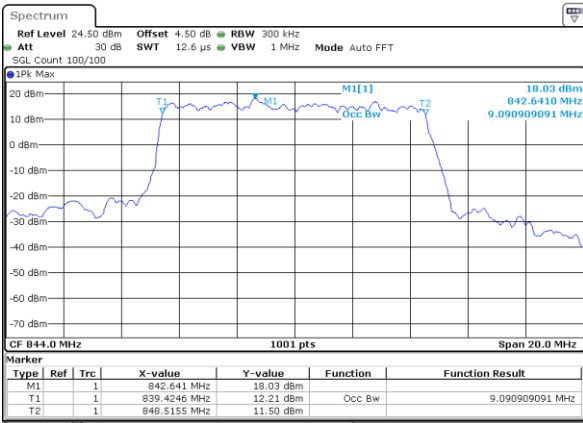
Date: 16 JAN 2020 03:15:53

Middle Channel / 10MHz / 16QAM



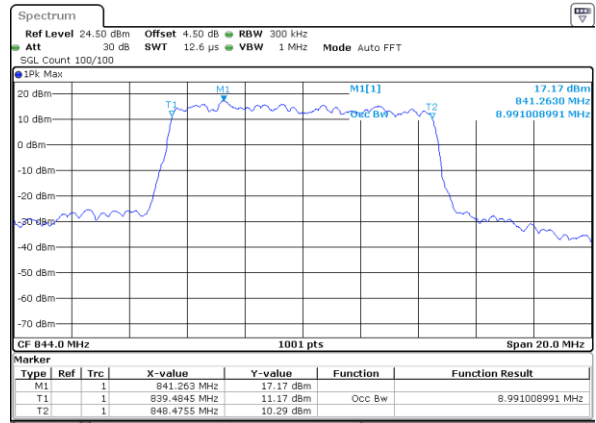
Date: 16 JAN 2020 03:16:03

Highest Channel / 10MHz / QPSK



Date: 16 JAN 2020 03:18:21

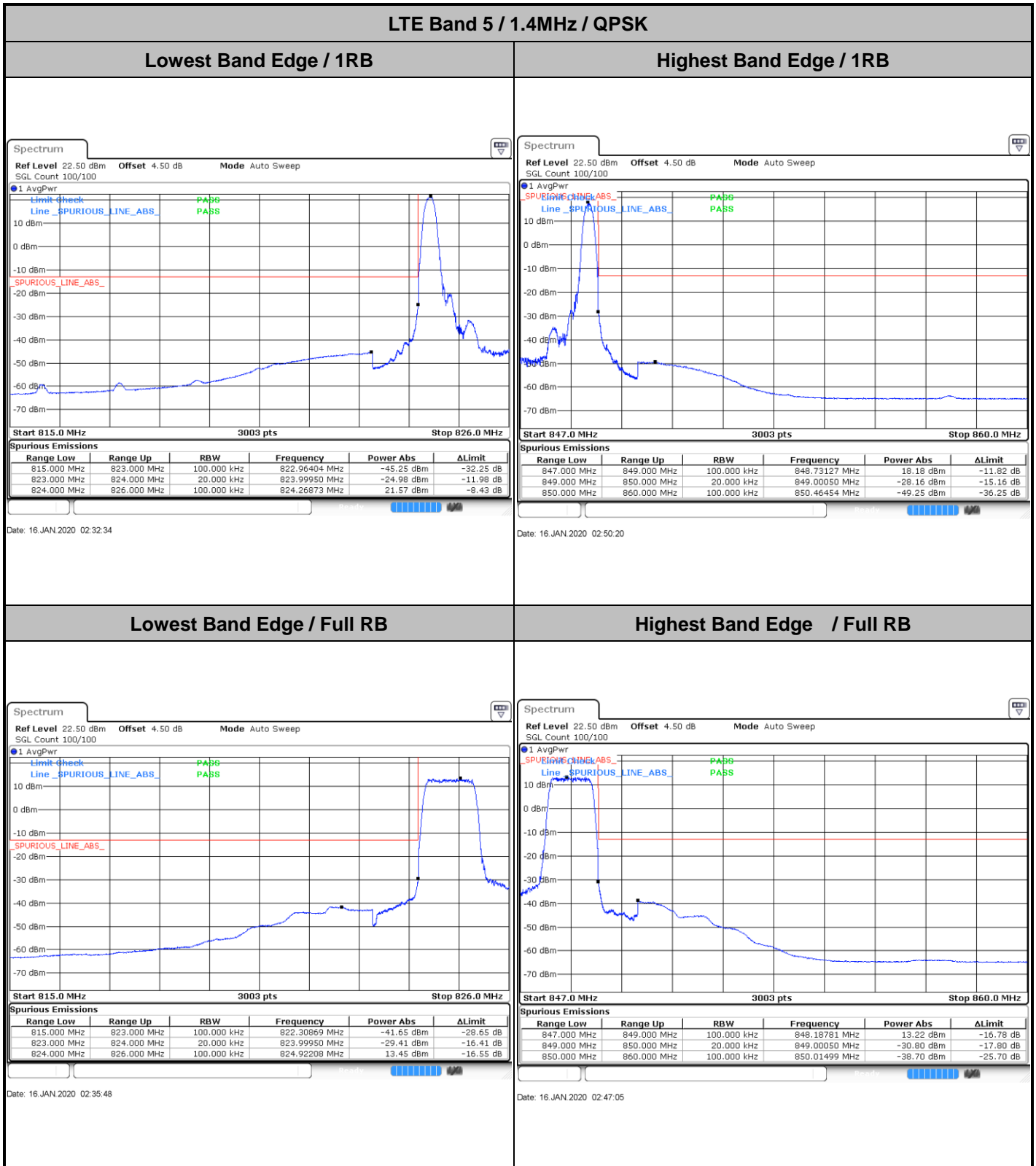
Highest Channel / 10MHz / 16QAM



Date: 16 JAN 2020 03:18:31



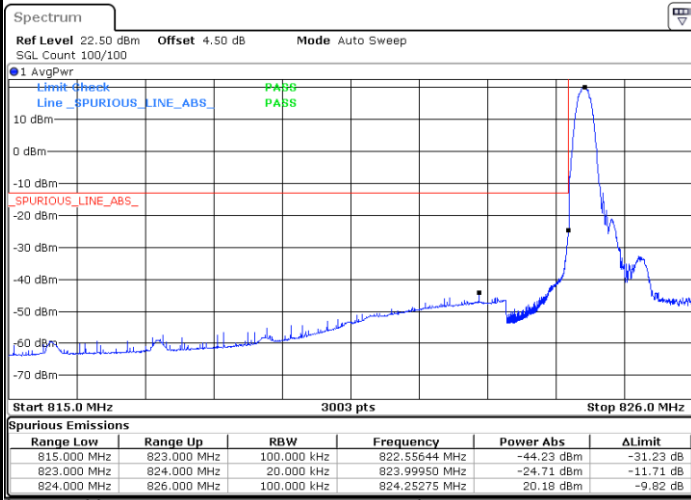
Conducted Band Edge





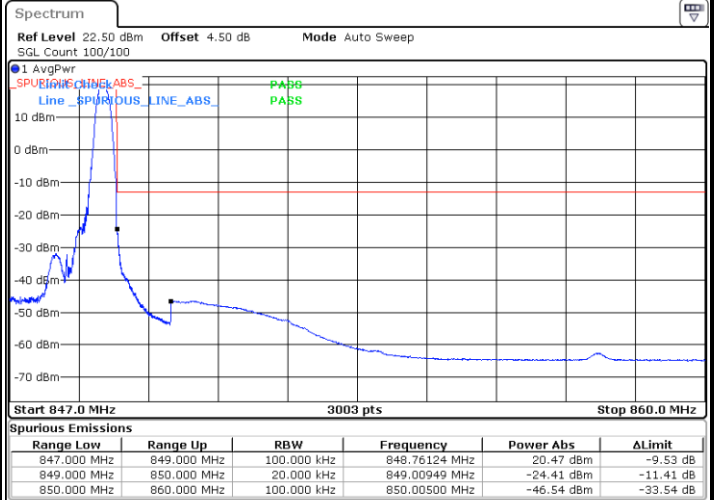
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



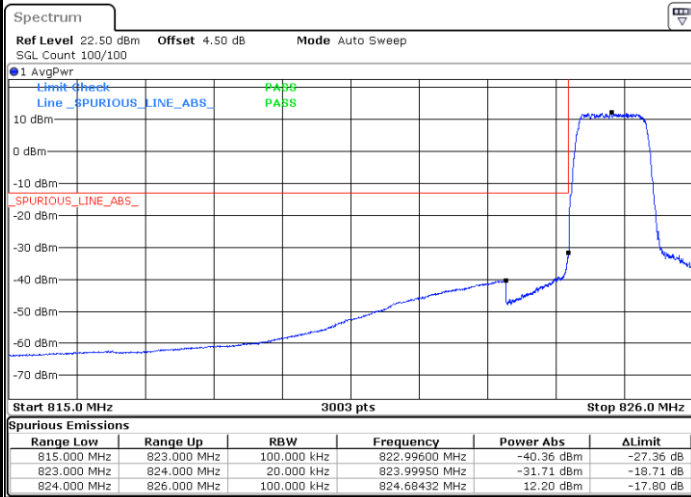
Date: 16 JAN 2020 02:34:11

Highest Band Edge / 1 RB



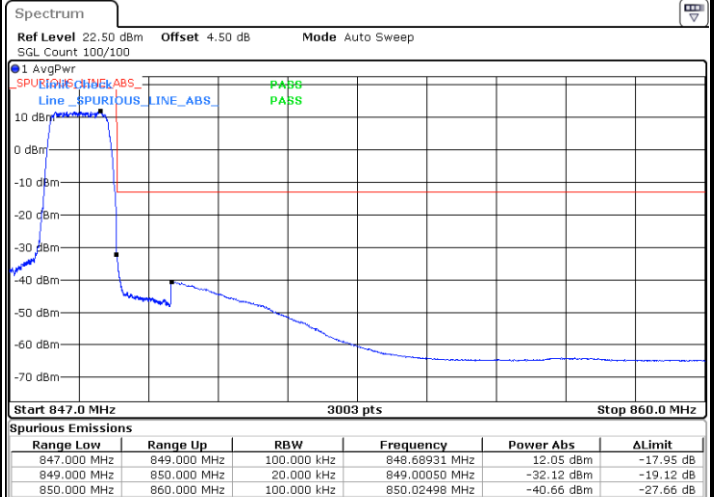
Date: 16 JAN 2020 02:51:57

Lowest Band Edge / Full RB



Date: 16 JAN 2020 02:37:26

Highest Band Edge / Full RB

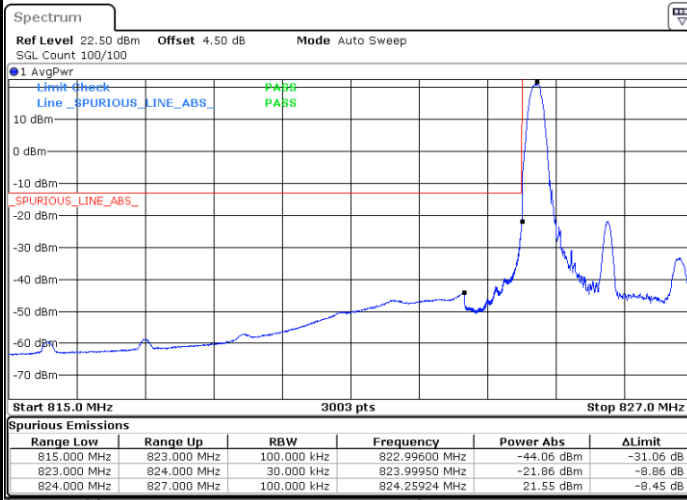


Date: 16 JAN 2020 02:48:43



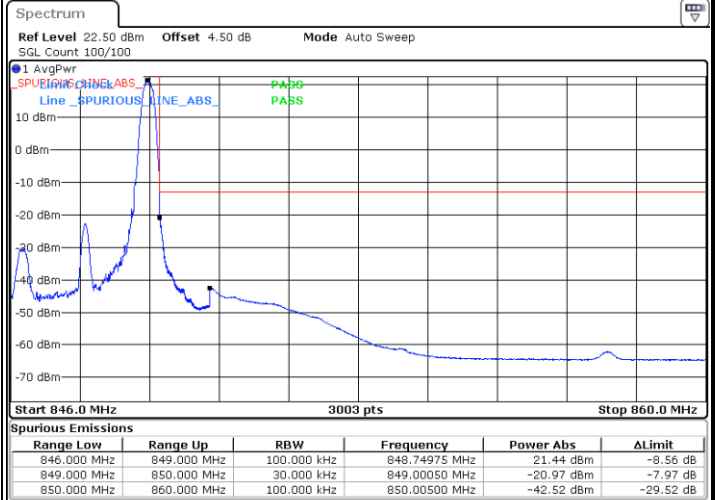
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



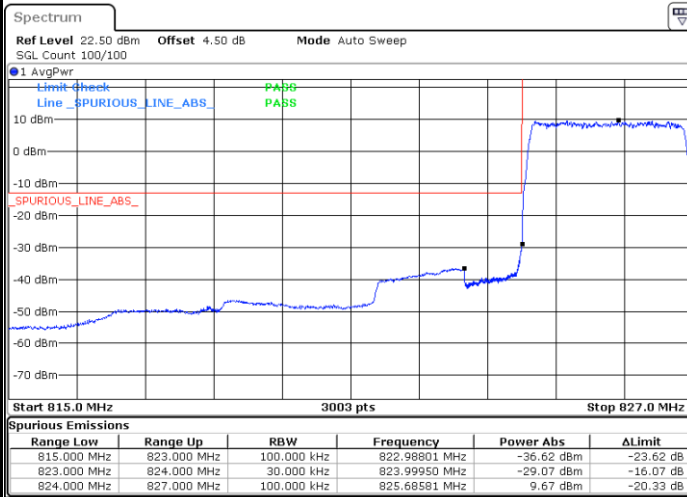
Date: 16 JAN 2020 07:22:14

Highest Band Edge / 1 RB



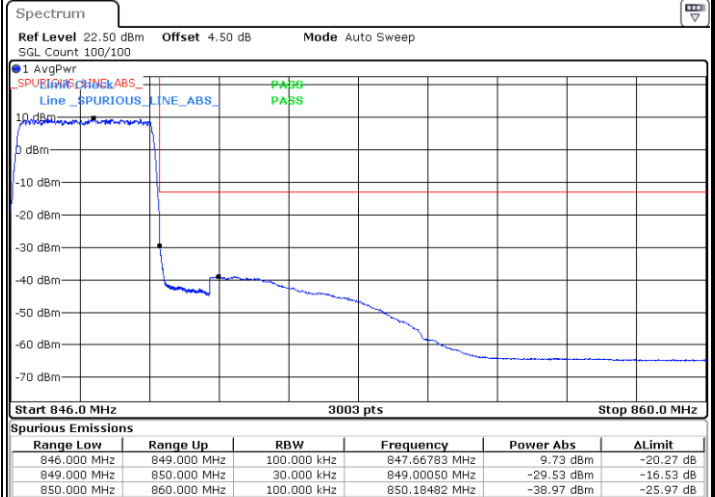
Date: 16 JAN 2020 07:36:28

Lowest Band Edge / Full RB



Date: 16 JAN 2020 07:25:29

Highest Band Edge / Full RB

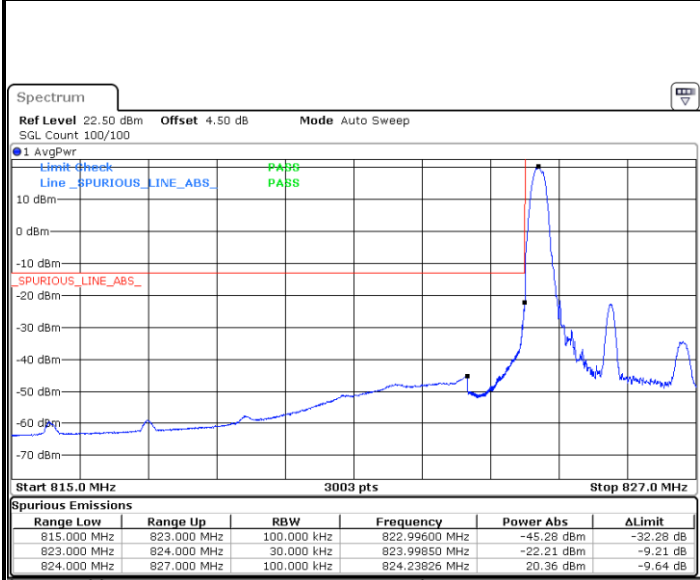


Date: 16 JAN 2020 07:39:42



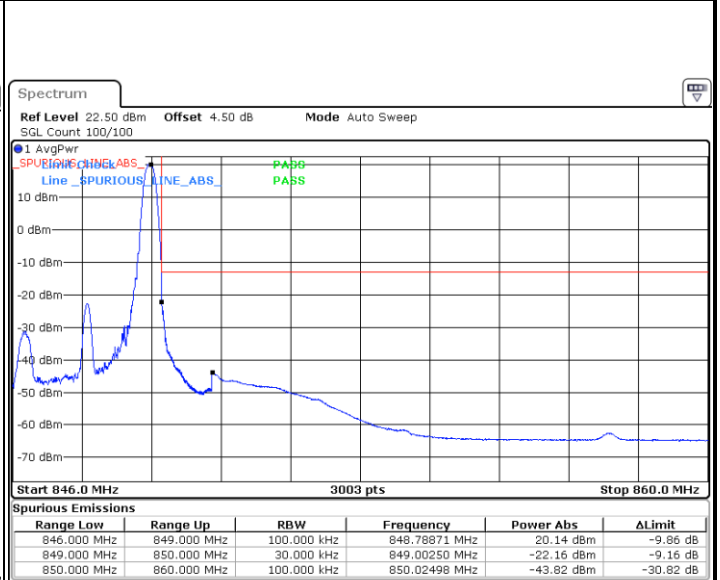
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



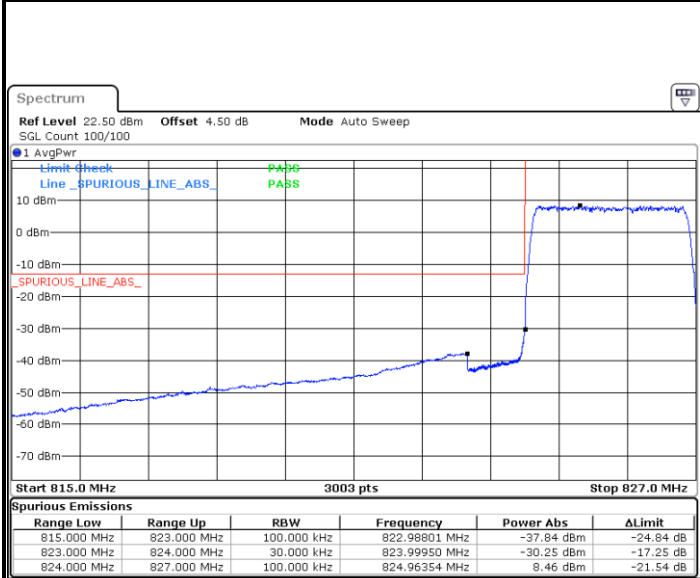
Date: 16 JAN 2020 07:23:52

Highest Band Edge / 1 RB



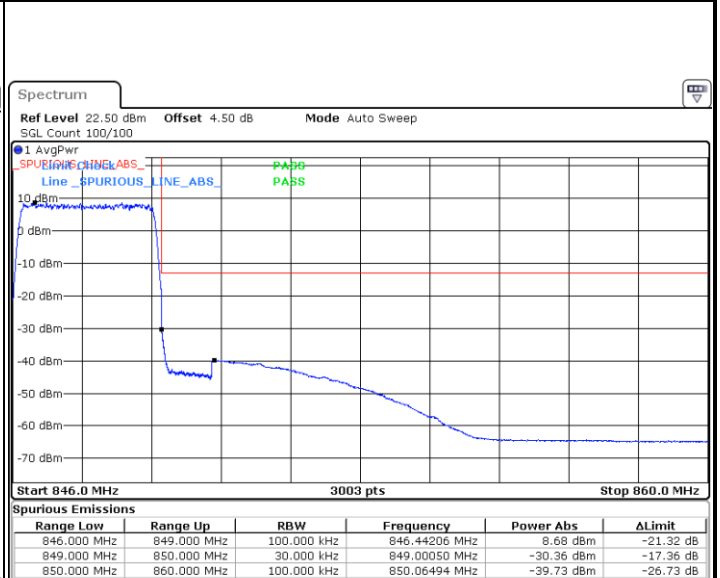
Date: 16 JAN 2020 07:38:05

Lowest Band Edge / Full RB



Date: 16 JAN 2020 07:27:06

Highest Band Edge / Full RB

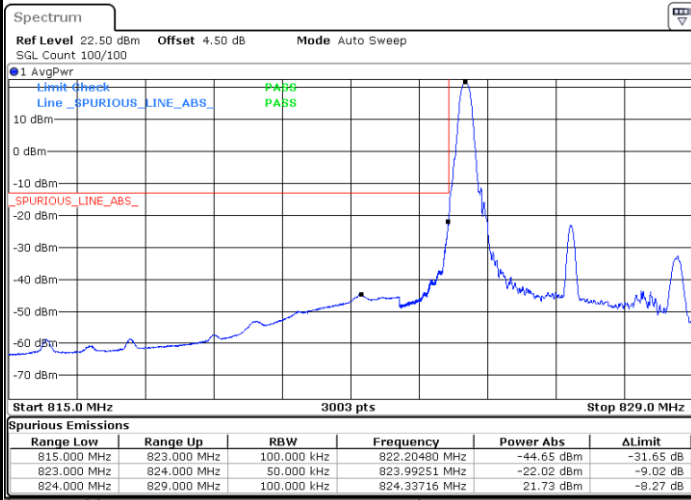


Date: 16 JAN 2020 07:41:20



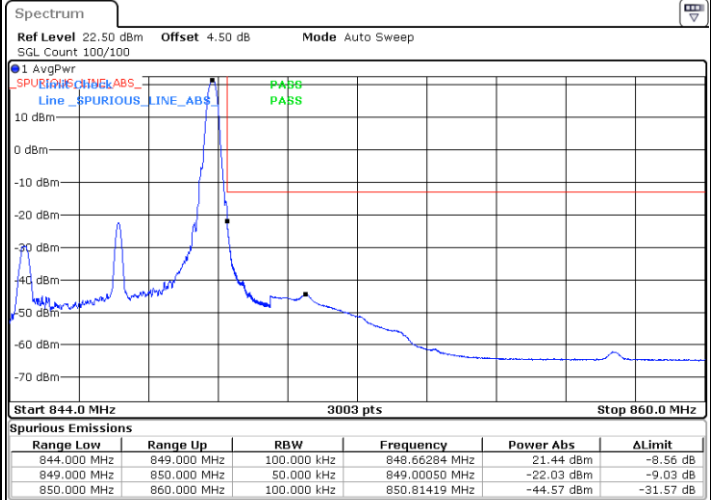
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



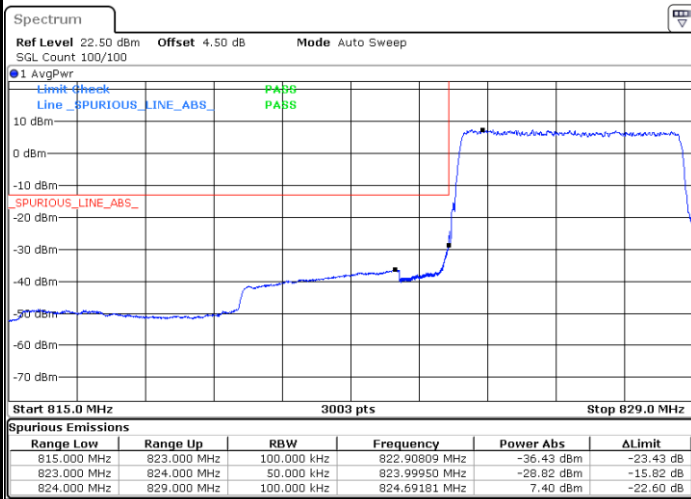
Date: 16 JAN 2020 07:47:30

Highest Band Edge / 1 RB



Date: 16 JAN 2020 03:00:05

Lowest Band Edge / Full RB



Date: 16 JAN 2020 07:50:44

Highest Band Edge / Full RB

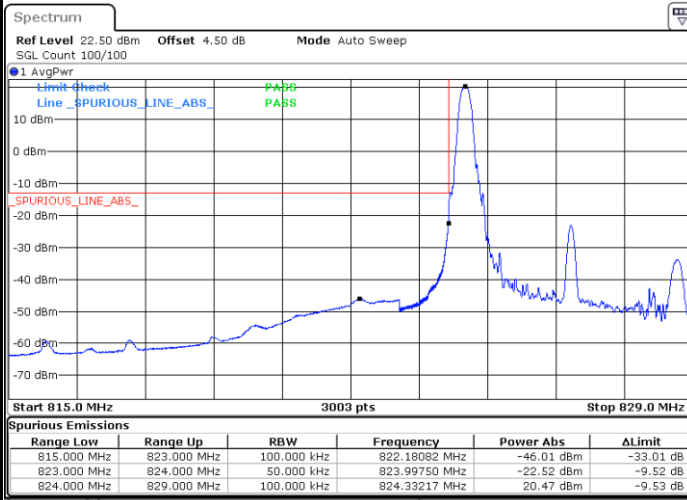


Date: 16 JAN 2020 03:03:20



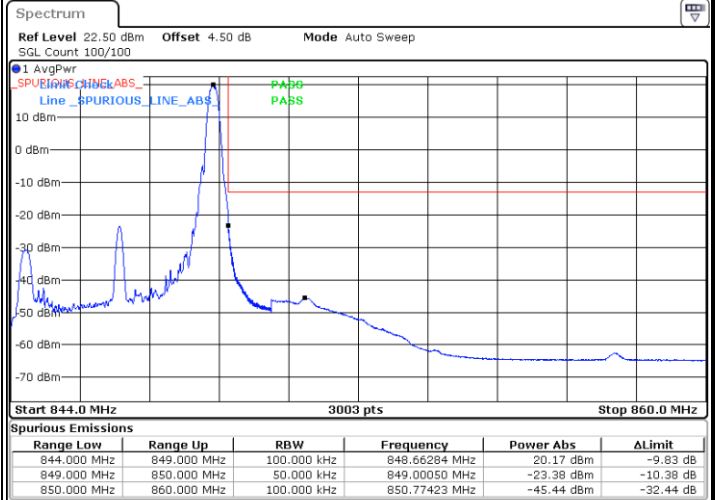
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



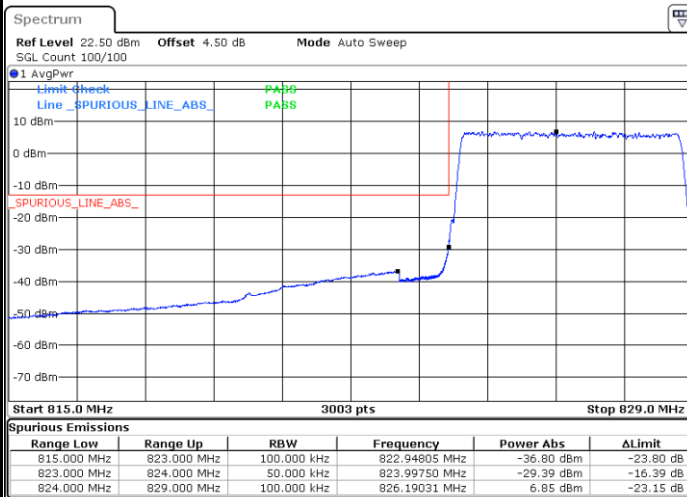
Date: 16 JAN 2020 07:49:07

Highest Band Edge / 1 RB



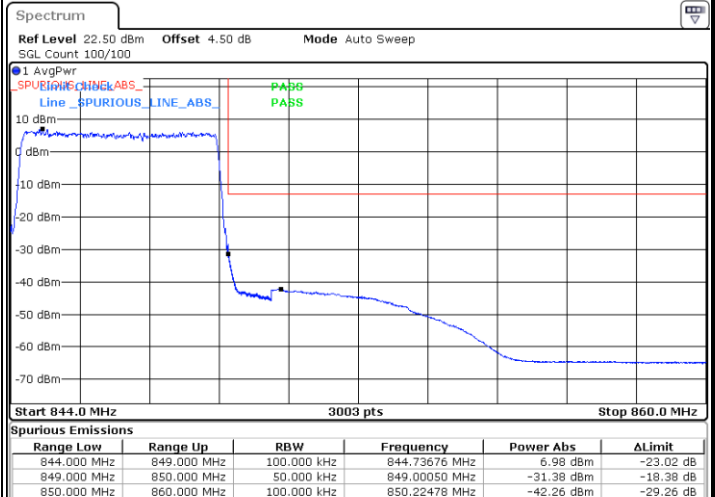
Date: 16 JAN 2020 03:01:43

Lowest Band Edge / Full RB



Date: 16 JAN 2020 07:52:22

Highest Band Edge / Full RB

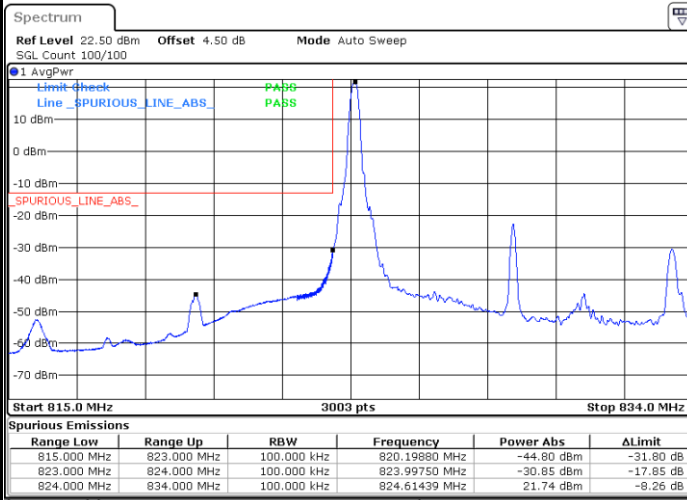


Date: 16 JAN 2020 03:04:58



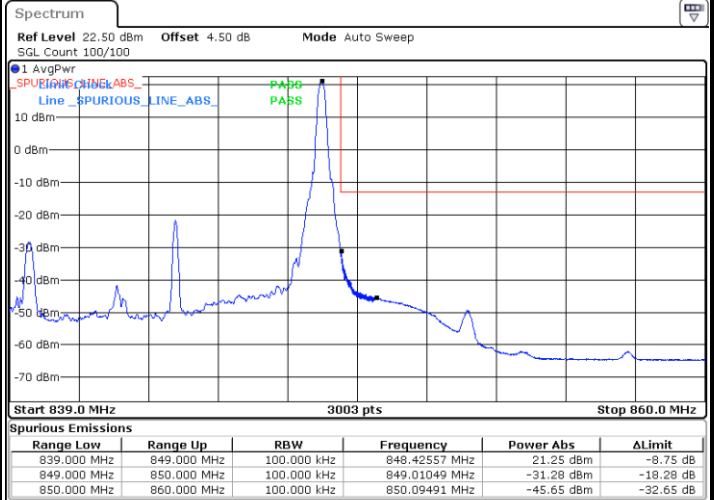
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



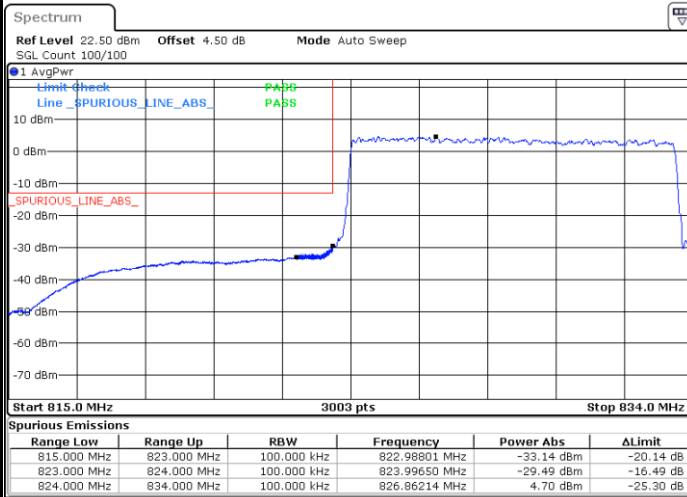
Date: 16 JAN 2020 03:09:03

Highest Band Edge / 1 RB



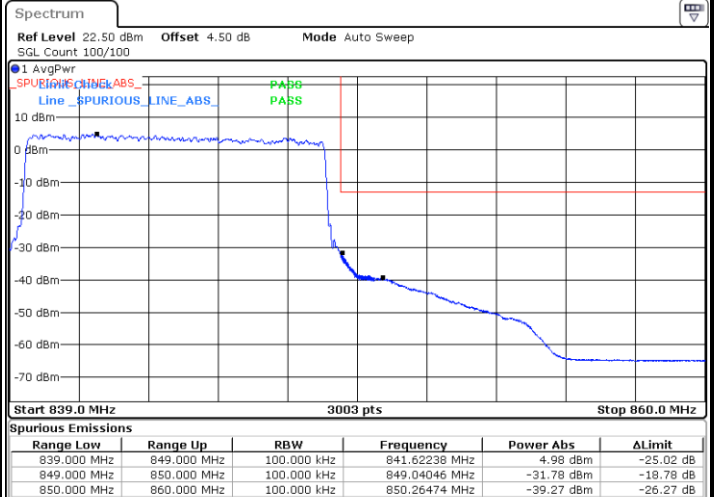
Date: 16 JAN 2020 03:20:29

Lowest Band Edge / Full RB



Date: 16 JAN 2020 03:12:18

Highest Band Edge / Full RB

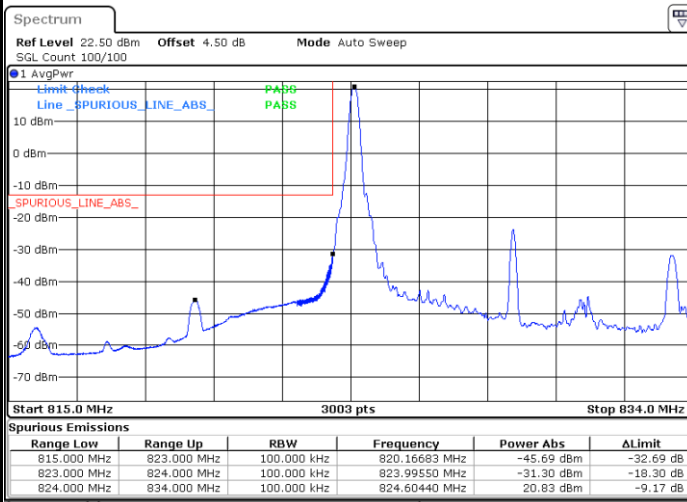


Date: 16 JAN 2020 03:23:44



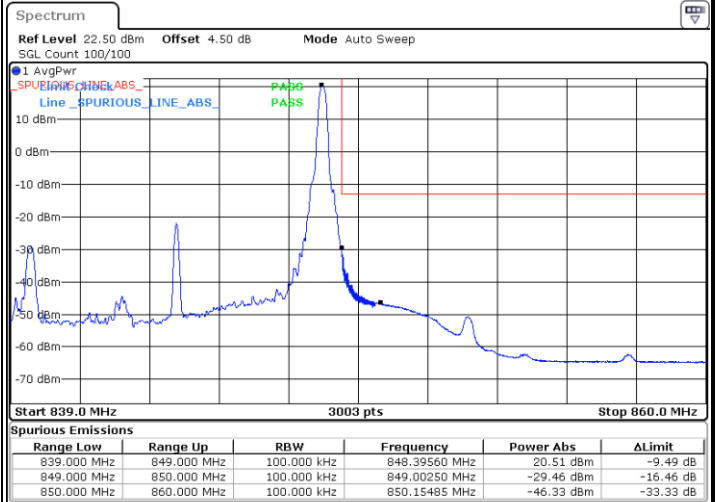
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



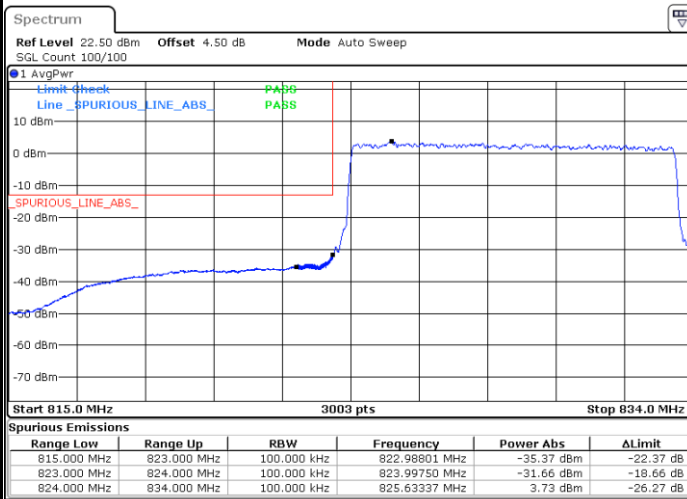
Date: 16 JAN 2020 03:10:41

Highest Band Edge / 1 RB



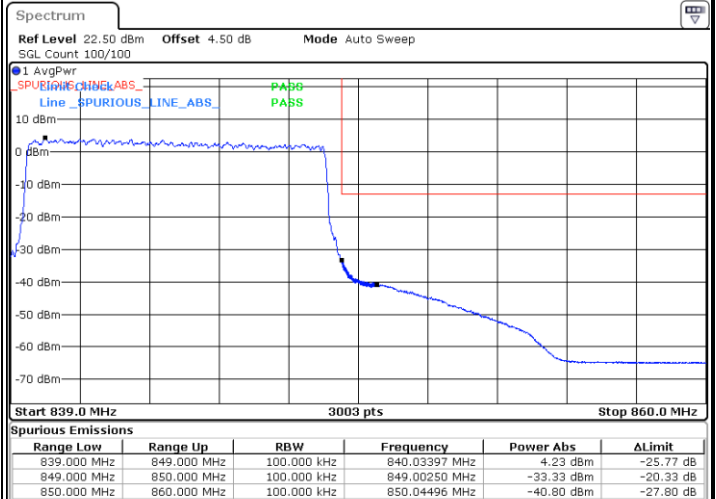
Date: 16 JAN 2020 03:22:06

Lowest Band Edge / Full RB



Date: 16 JAN 2020 03:13:55

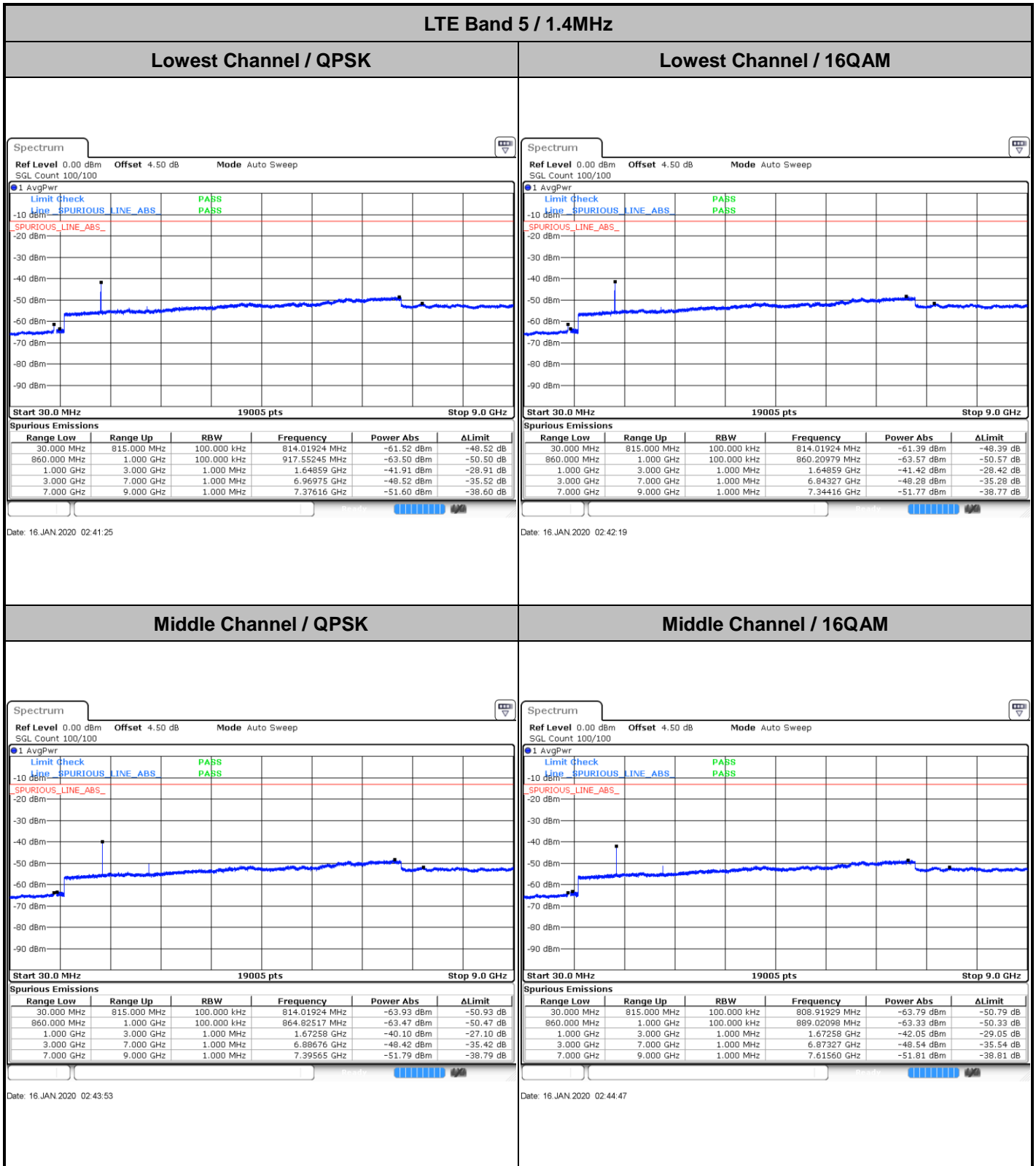
Highest Band Edge / Full RB



Date: 16 JAN 2020 03:25:21



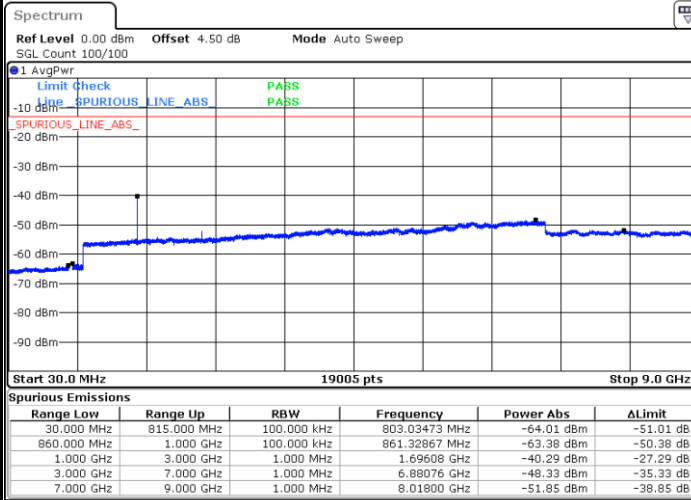
Conducted Spurious Emission





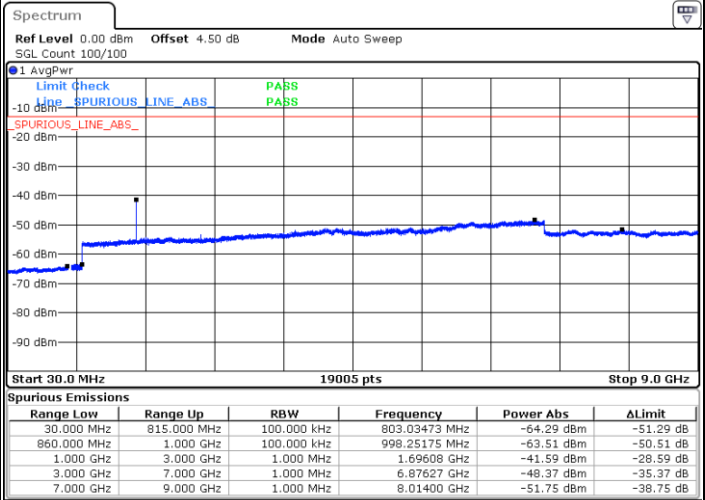
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 16 JAN 2020 02:52:51

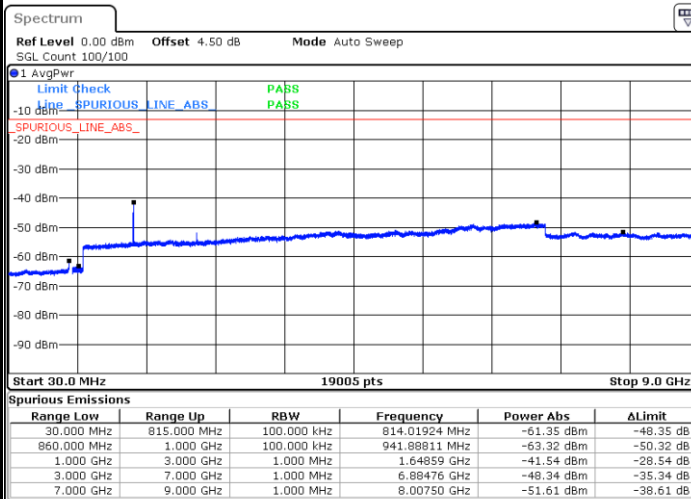
Highest Channel / 16QAM



Date: 16 JAN 2020 02:53:45

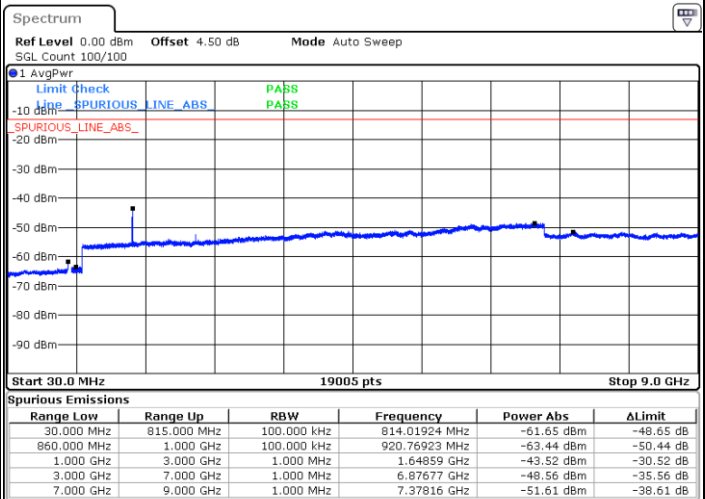
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 16 JAN 2020 07:28:00

Lowest Channel / 16QAM



Date: 16 JAN 2020 07:31:40