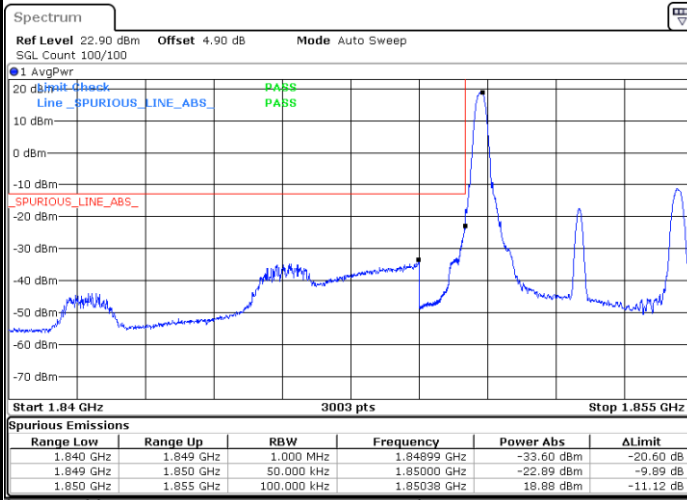




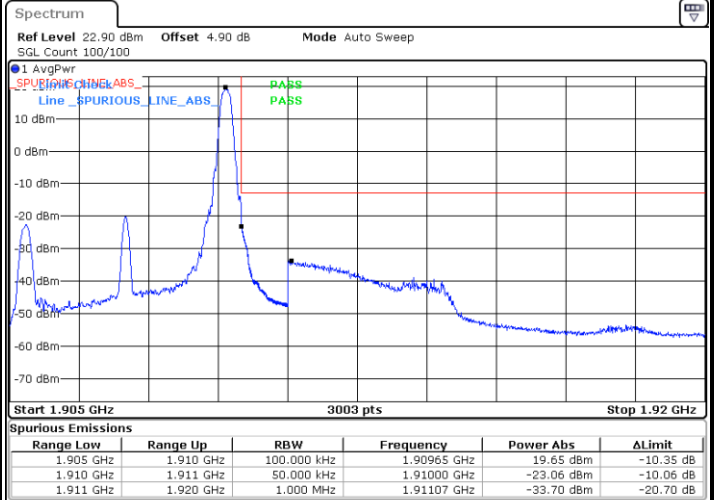
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



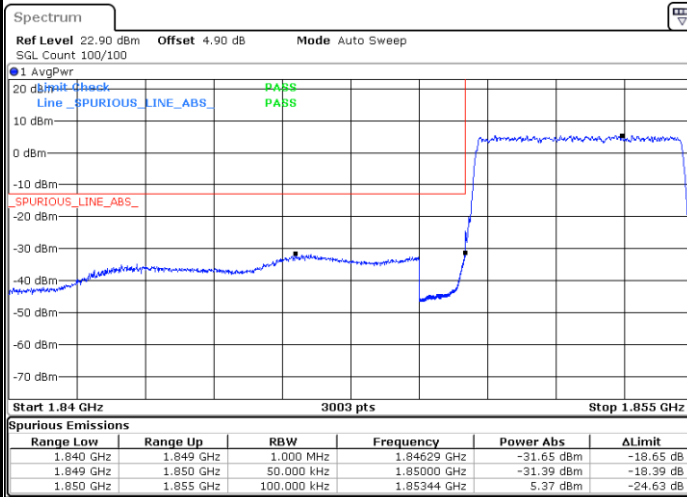
Date: 4 JUN 2020 22:40:04

Highest Band Edge / 1 RB



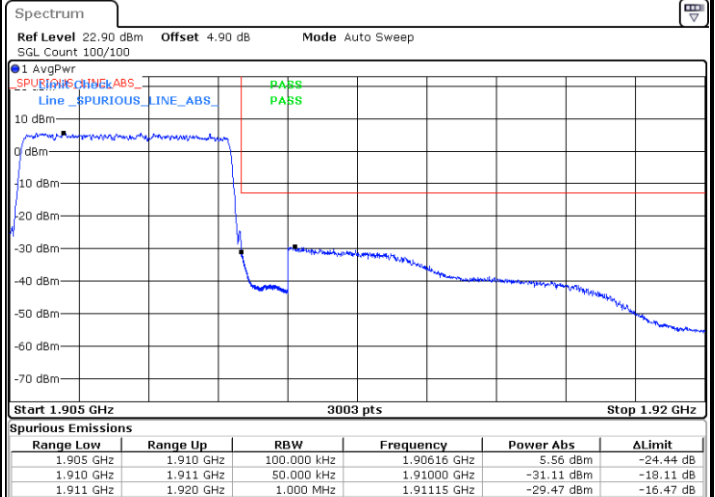
Date: 4 JUN 2020 22:49:33

Lowest Band Edge / Full RB



Date: 4 JUN 2020 22:42:19

Highest Band Edge / Full RB

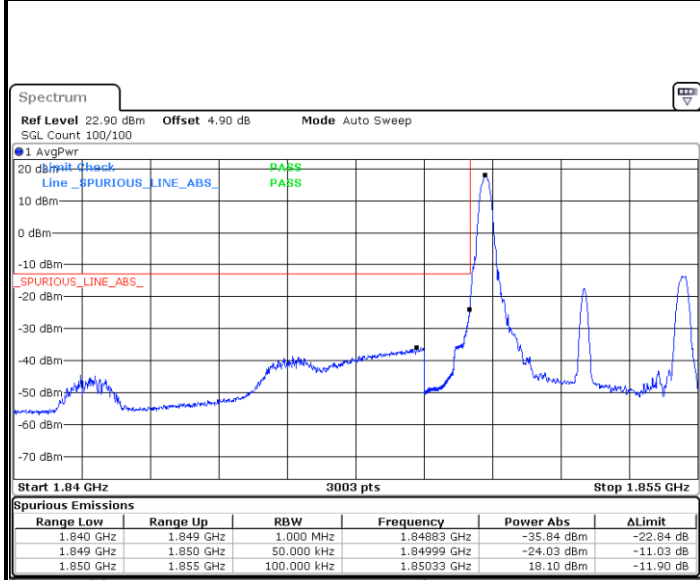


Date: 4 JUN 2020 22:51:47



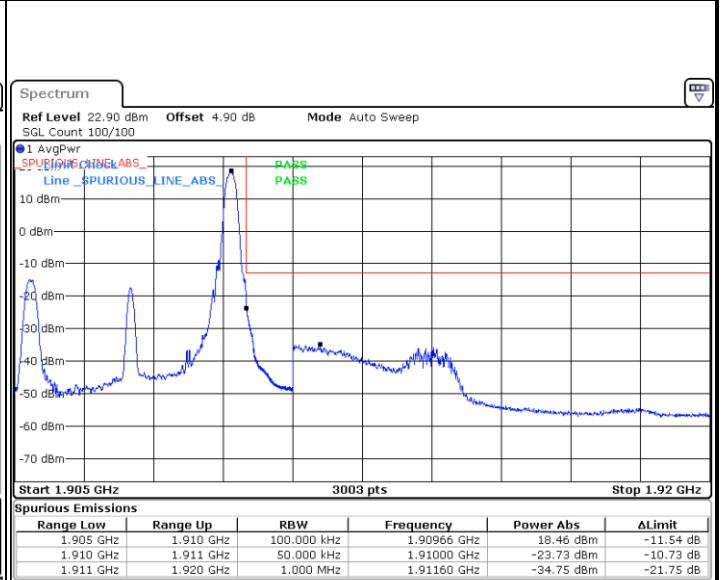
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



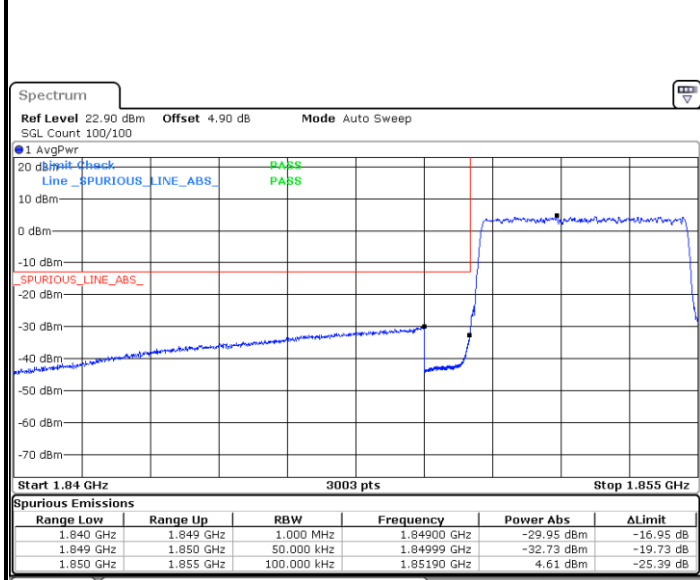
Date: 4 JUN 2020 22:41:11

Highest Band Edge / 1 RB



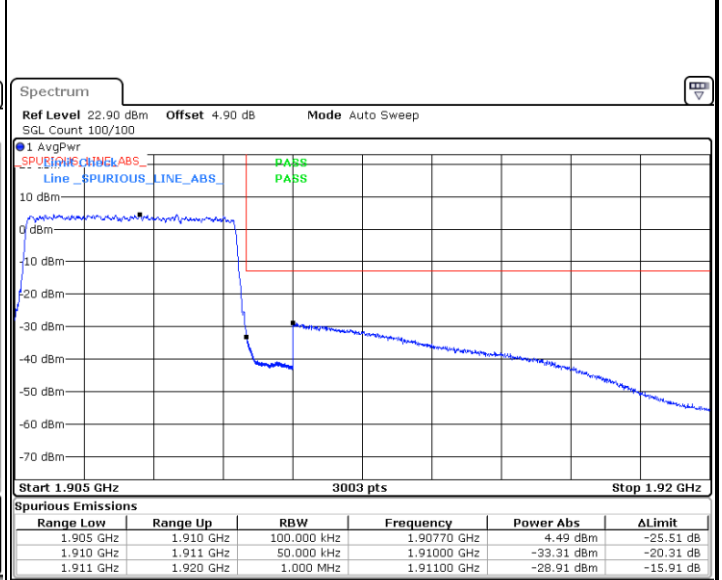
Date: 4 JUN 2020 22:50:40

Lowest Band Edge / Full RB



Date: 4 JUN 2020 22:43:26

Highest Band Edge / Full RB

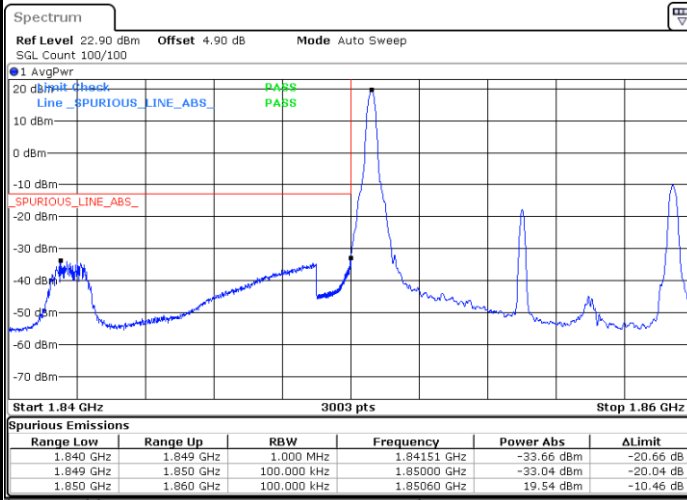


Date: 4 JUN 2020 22:52:55



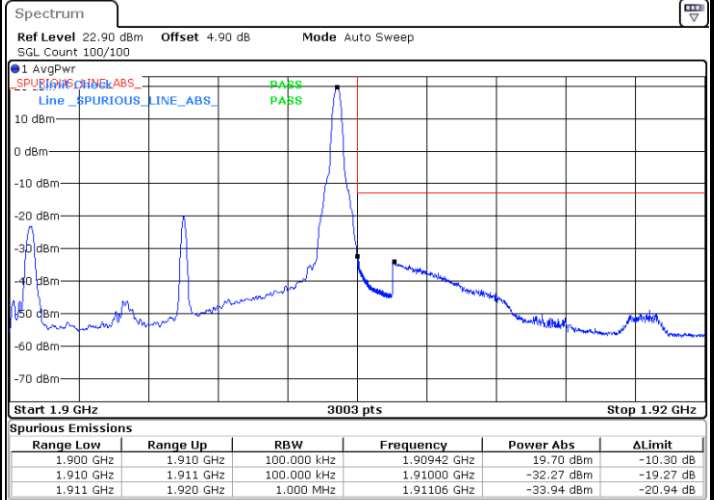
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



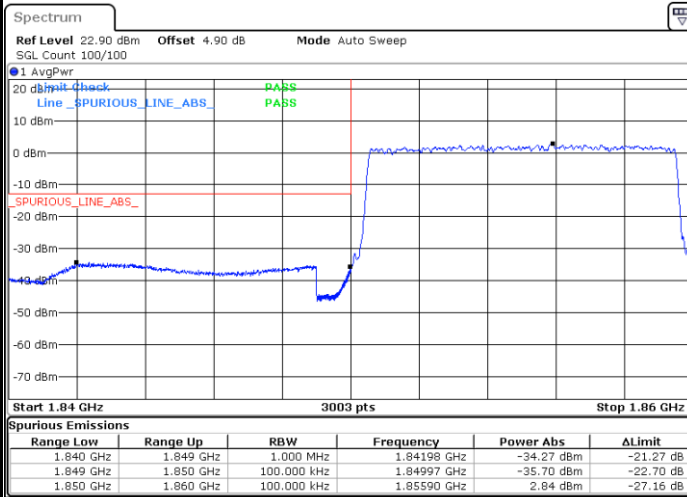
Date: 4 JUN 2020 22:56:31

Highest Band Edge / 1 RB



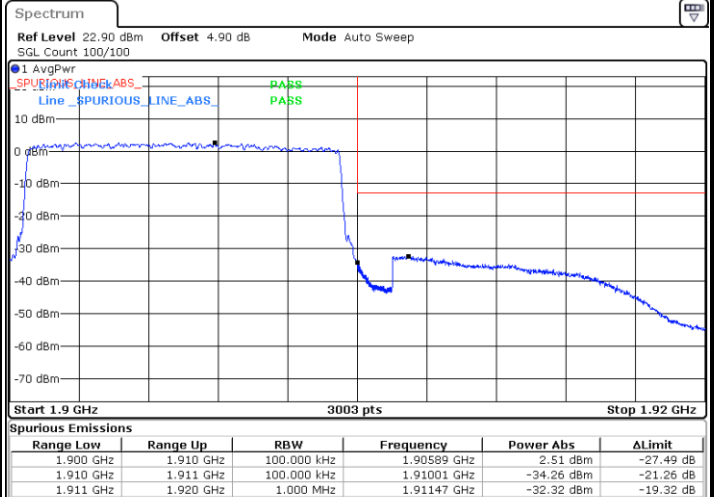
Date: 4 JUN 2020 23:05:59

Lowest Band Edge / Full RB



Date: 4 JUN 2020 22:58:46

Highest Band Edge / Full RB

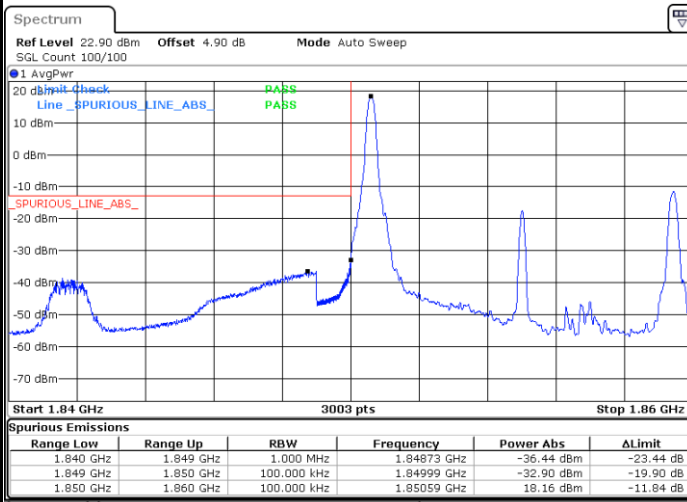


Date: 4 JUN 2020 23:08:14



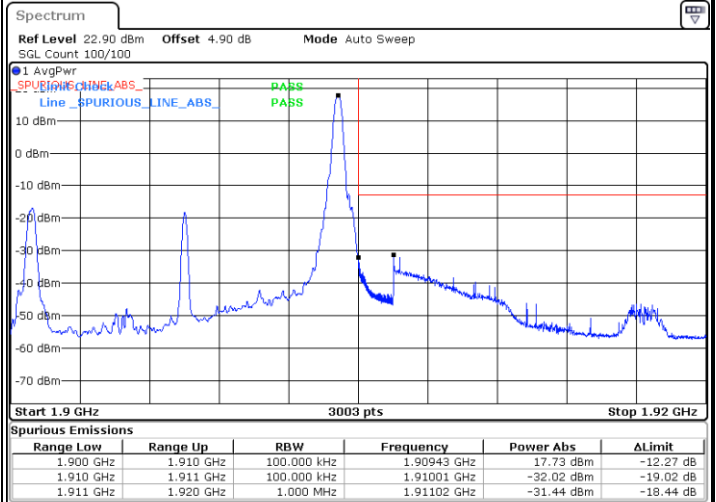
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



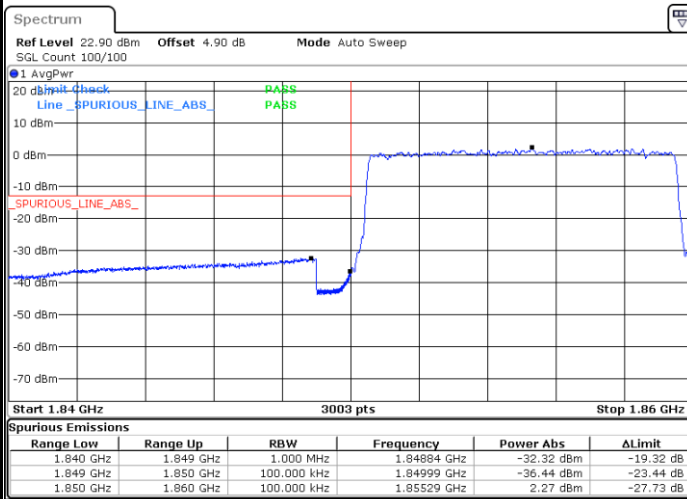
Date: 4 JUN 2020 22:57:39

Highest Band Edge / 1 RB



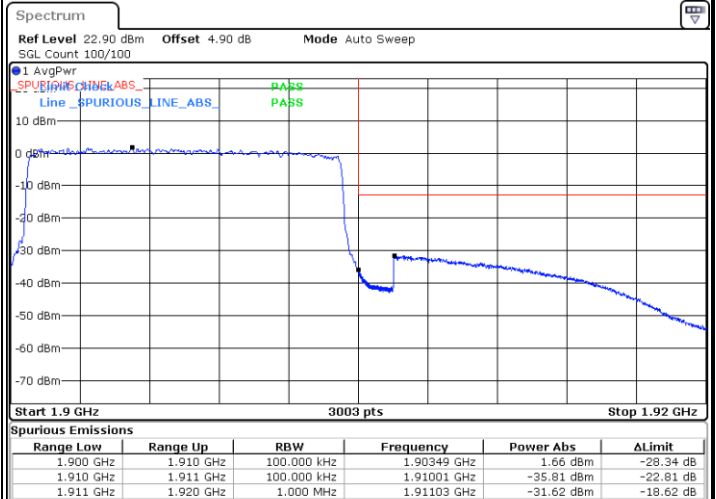
Date: 4 JUN 2020 23:07:07

Lowest Band Edge / Full RB



Date: 4 JUN 2020 22:59:54

Highest Band Edge / Full RB

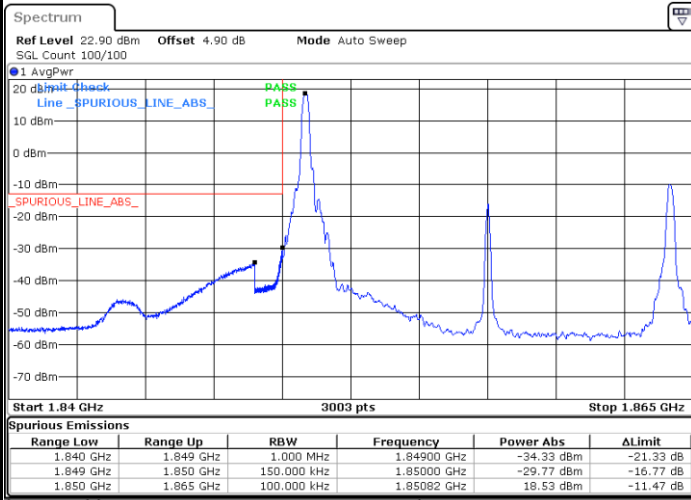


Date: 4 JUN 2020 23:09:22



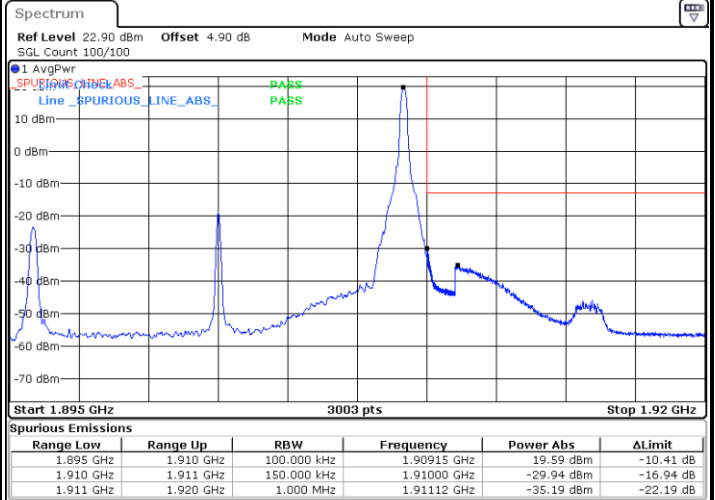
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



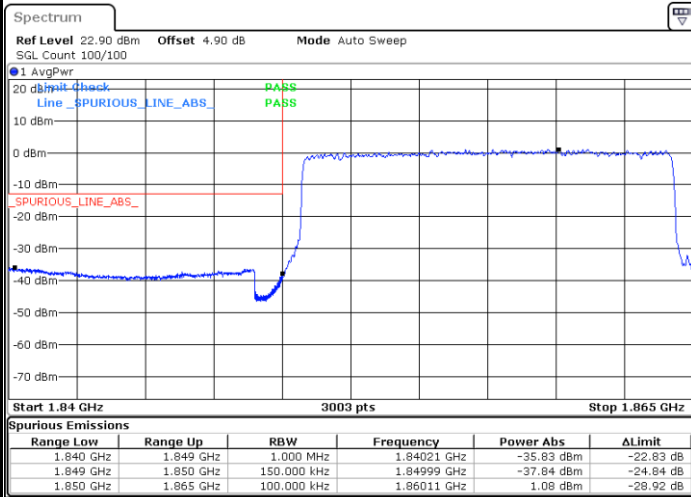
Date: 4 JUN 2020 23:12:58

Highest Band Edge / 1 RB



Date: 4 JUN 2020 23:22:26

Lowest Band Edge / Full RB



Date: 4 JUN 2020 23:15:13

Highest Band Edge / Full RB

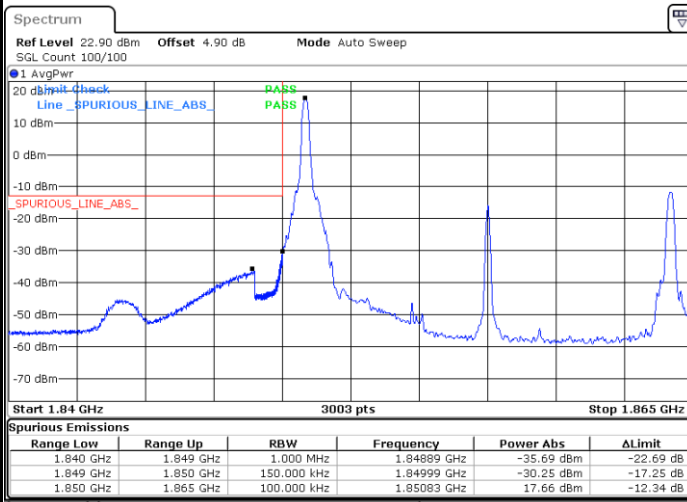


Date: 4 JUN 2020 23:24:41



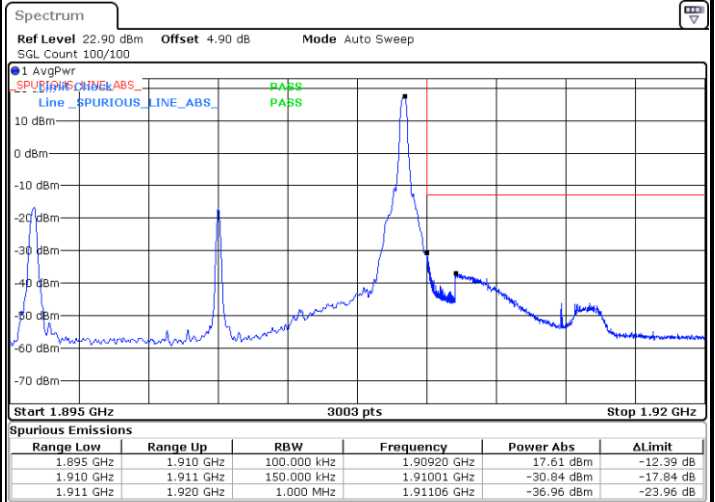
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



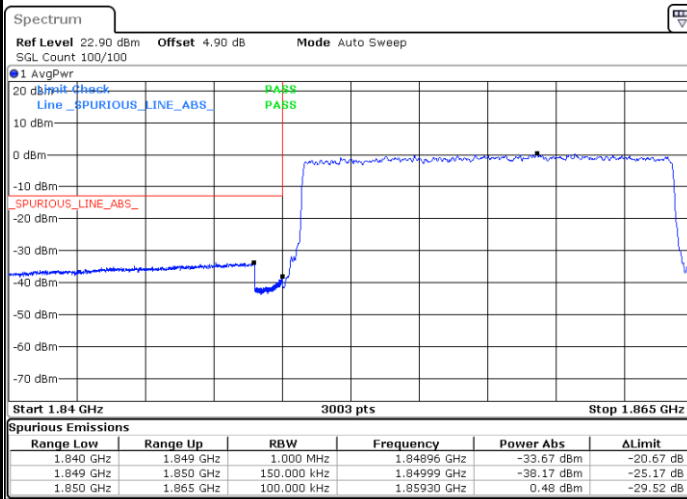
Date: 4 JUN 2020 23:14:05

Highest Band Edge / 1 RB



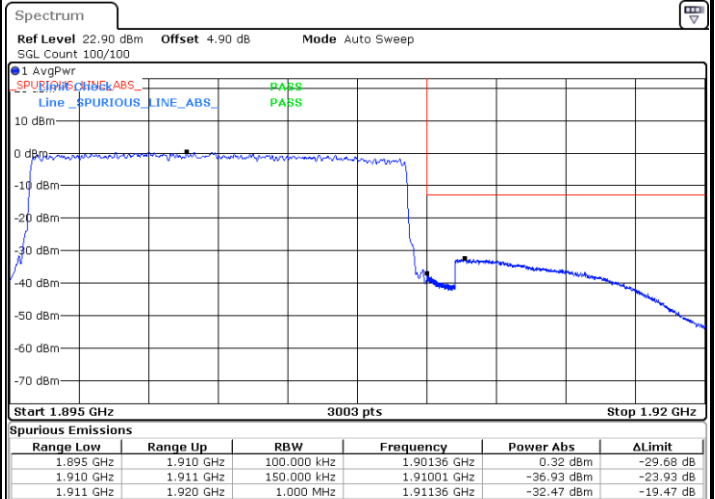
Date: 4 JUN 2020 23:23:34

Lowest Band Edge / Full RB



Date: 4 JUN 2020 23:16:20

Highest Band Edge / Full RB

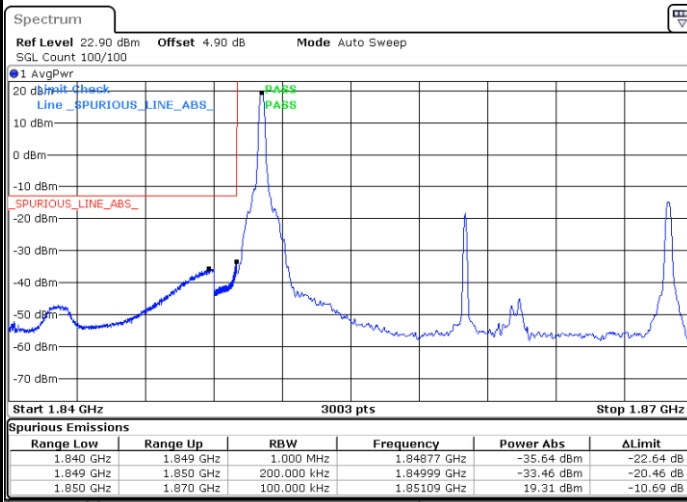


Date: 4 JUN 2020 23:25:48



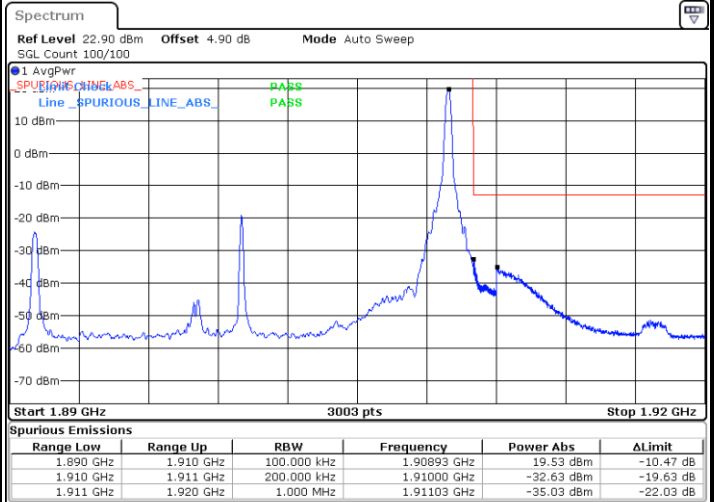
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



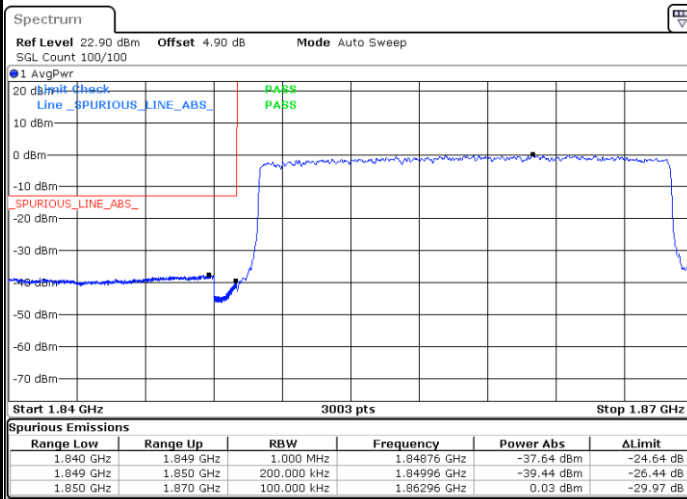
Date: 4 JUN 2020 23:29:25

Highest Band Edge / 1 RB



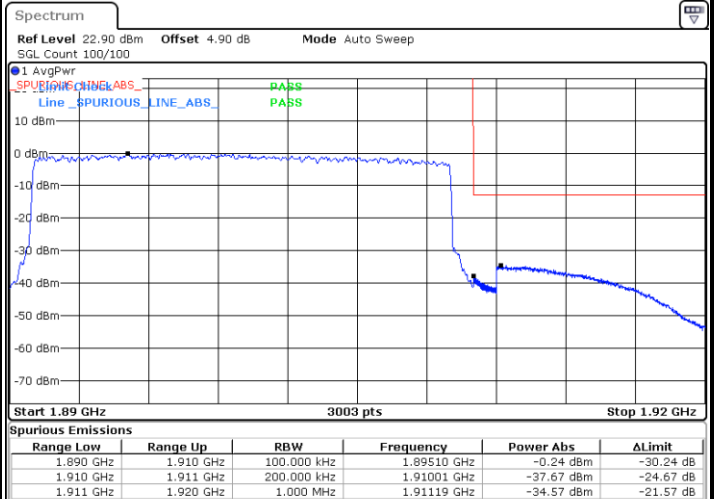
Date: 4 JUN 2020 23:38:53

Lowest Band Edge / Full RB



Date: 4 JUN 2020 23:31:40

Highest Band Edge / Full RB

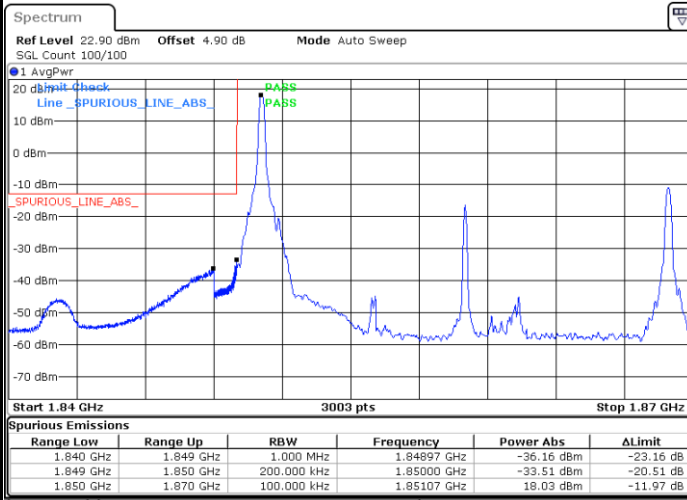


Date: 4 JUN 2020 23:41:08



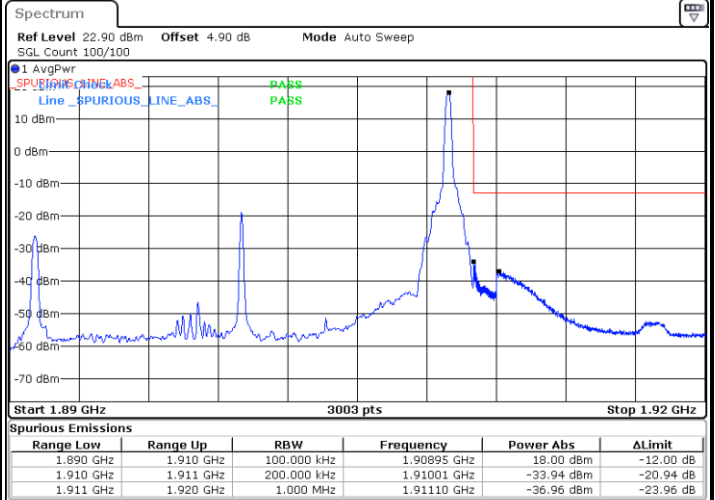
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



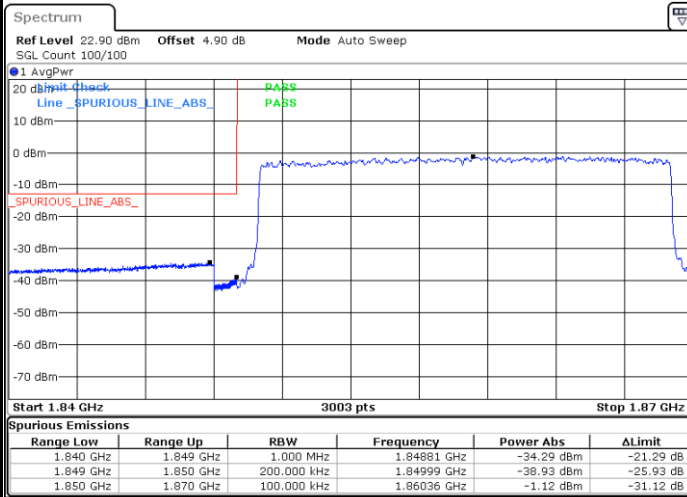
Date: 4 JUN 2020 23:30:32

Highest Band Edge / 1 RB



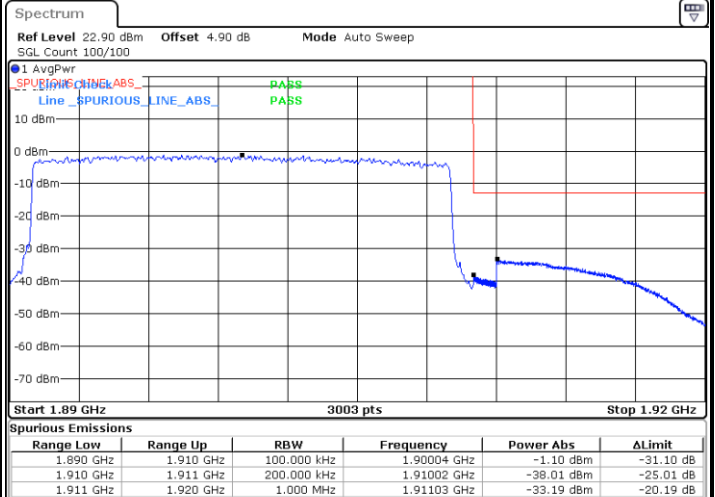
Date: 4 JUN 2020 23:40:00

Lowest Band Edge / Full RB



Date: 4 JUN 2020 23:32:47

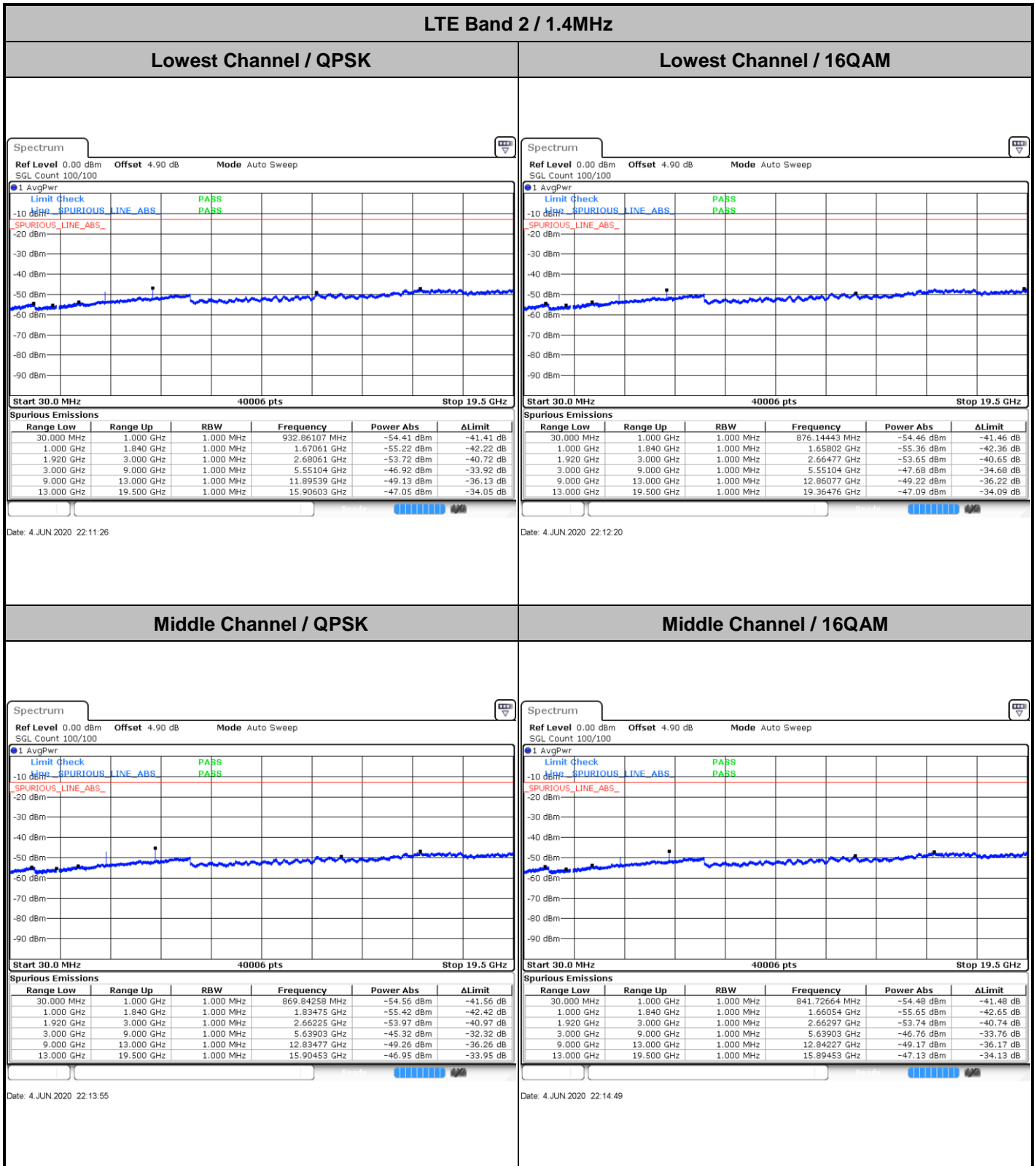
Highest Band Edge / Full RB



Date: 4 JUN 2020 23:42:15



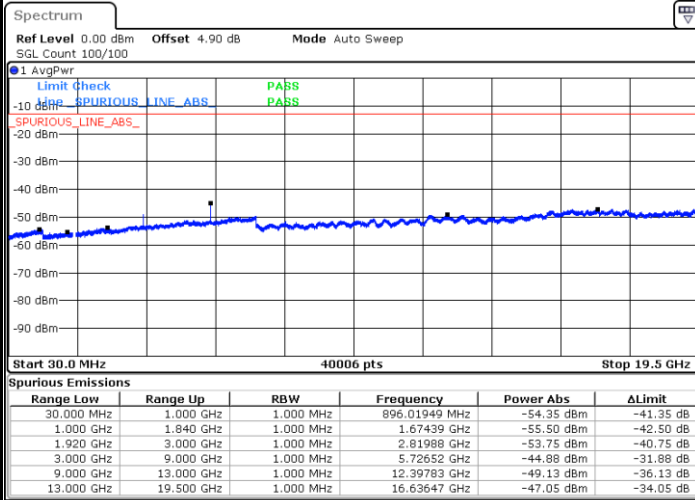
Conducted Spurious Emission





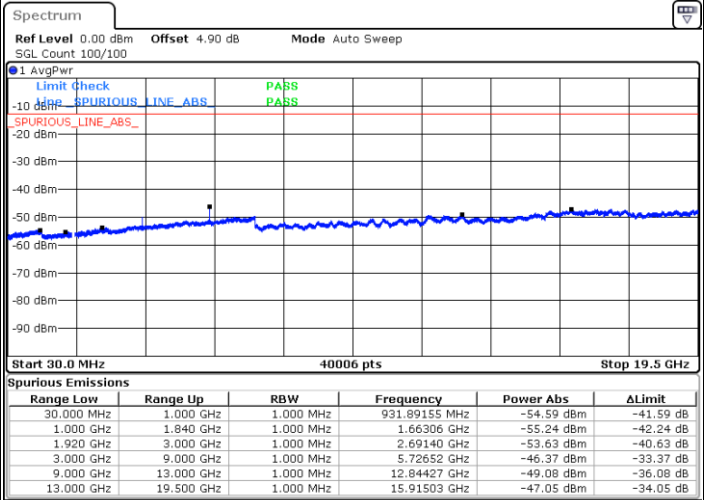
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 4 JUN 2020 22:20:54

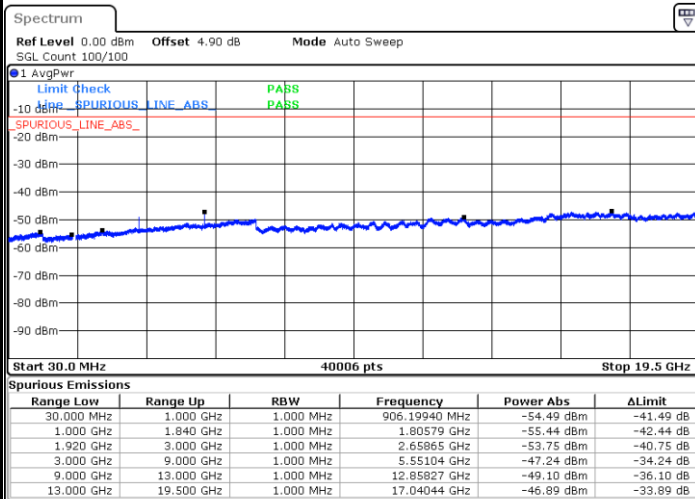
Highest Channel / 16QAM



Date: 4 JUN 2020 22:21:48

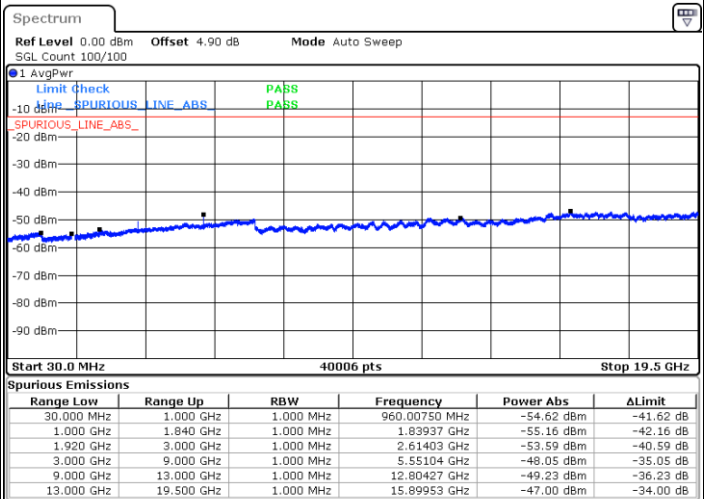
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 4 JUN 2020 22:27:53

Lowest Channel / 16QAM

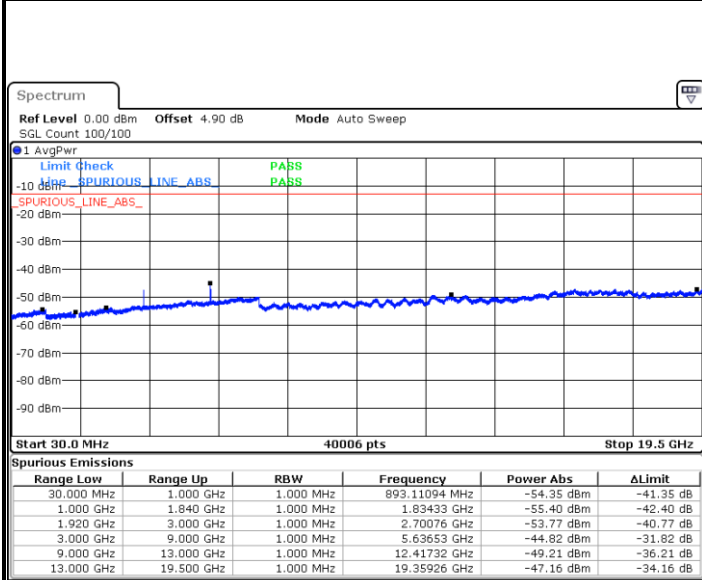


Date: 4 JUN 2020 22:28:47



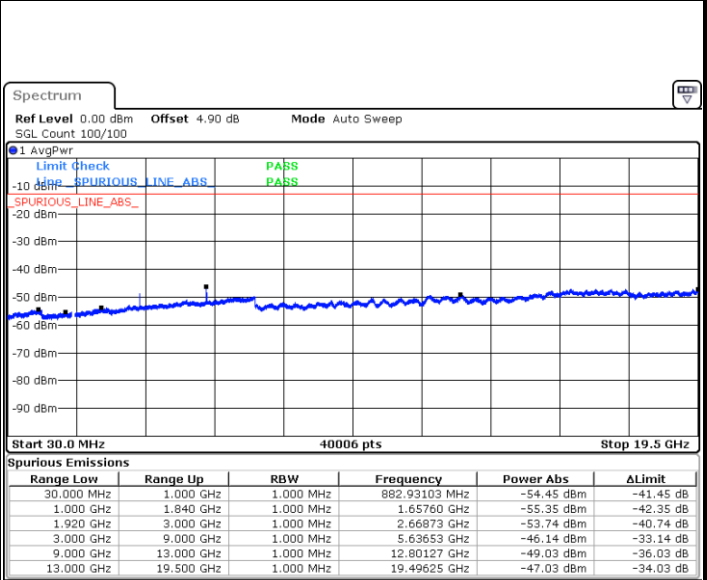
LTE Band 2 / 3MHz

Middle Channel / QPSK



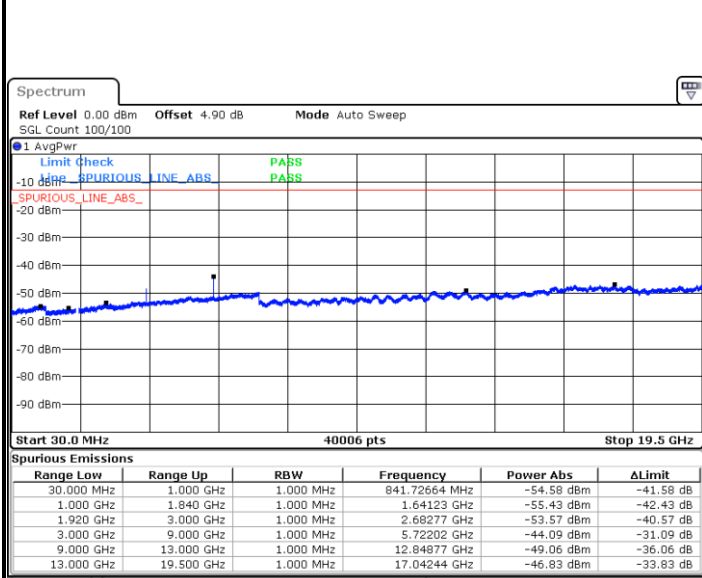
Date: 4 JUN 2020 22:30:22

Middle Channel / 16QAM



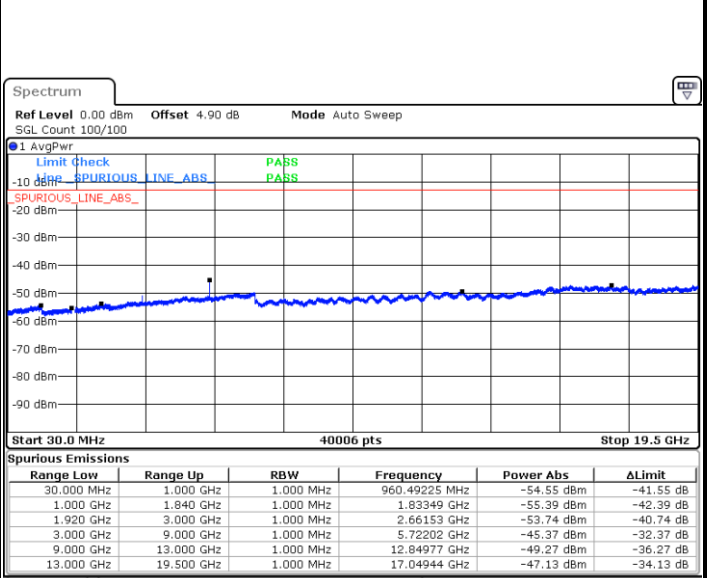
Date: 4 JUN 2020 22:31:16

Highest Channel / QPSK



Date: 4 JUN 2020 22:37:20

Highest Channel / 16QAM



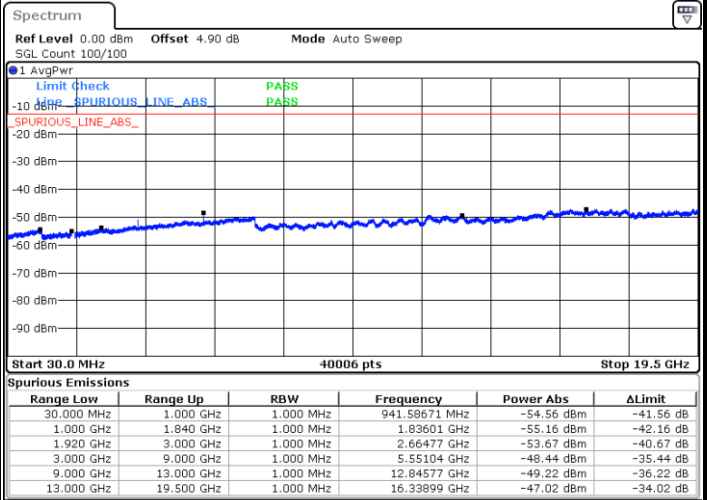
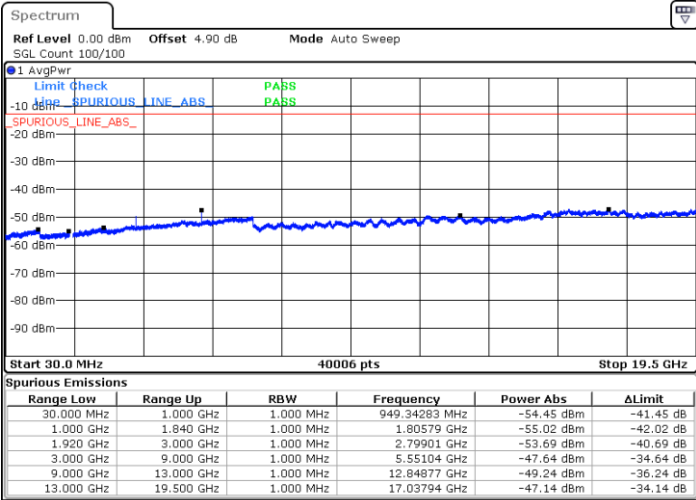
Date: 4 JUN 2020 22:38:15



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

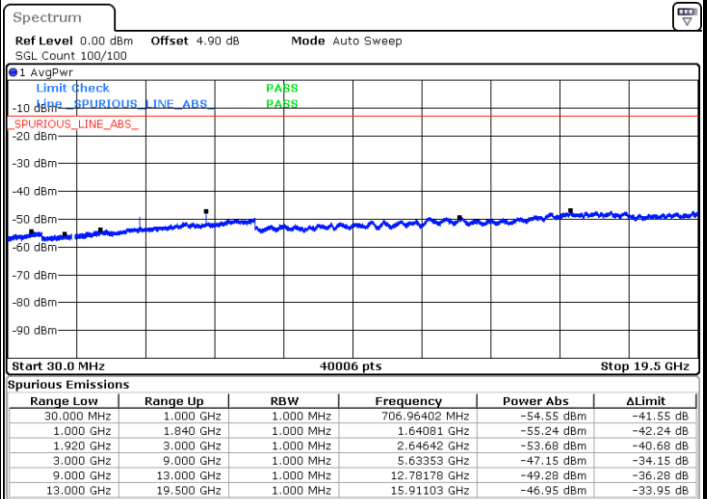
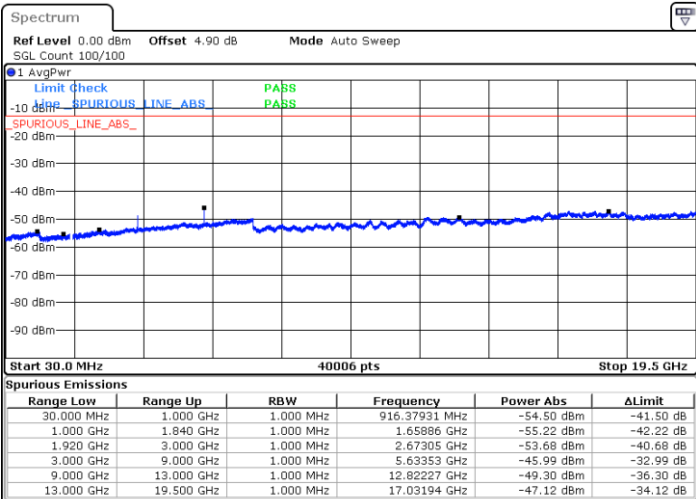


Date: 4 JUN 2020 22:44:20

Date: 4 JUN 2020 22:45:14

Middle Channel / QPSK

Middle Channel / 16QAM



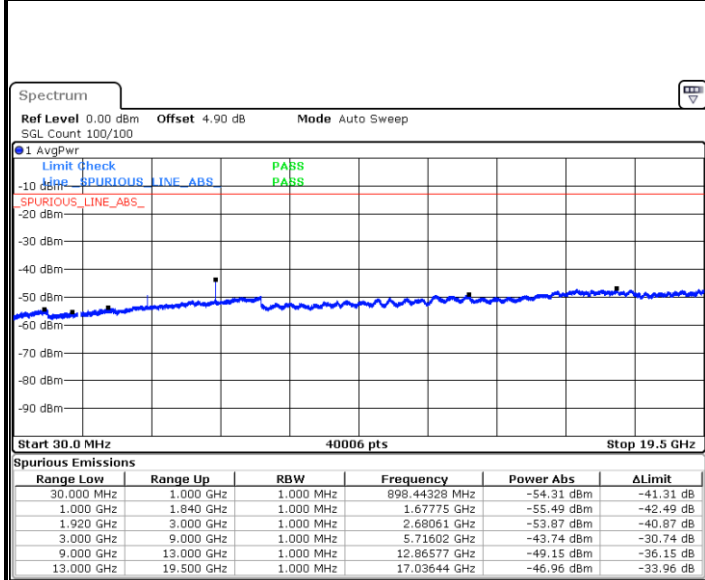
Date: 4 JUN 2020 22:46:49

Date: 4 JUN 2020 22:47:44



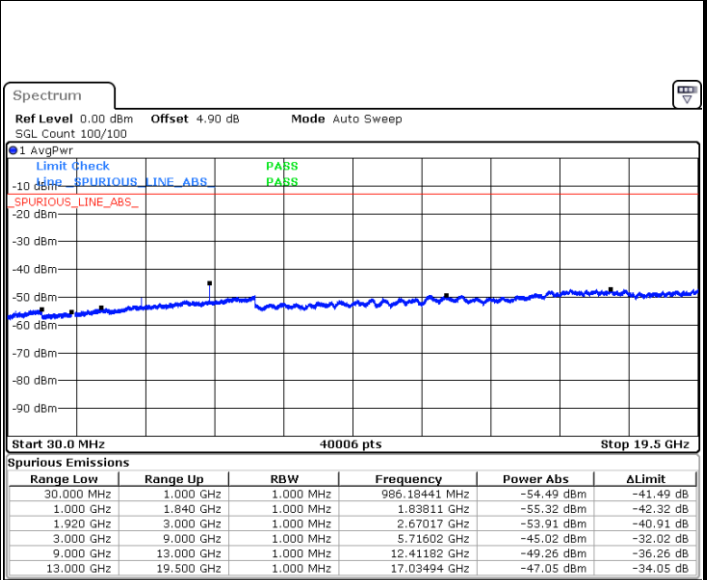
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 4 JUN 2020 22:53:48

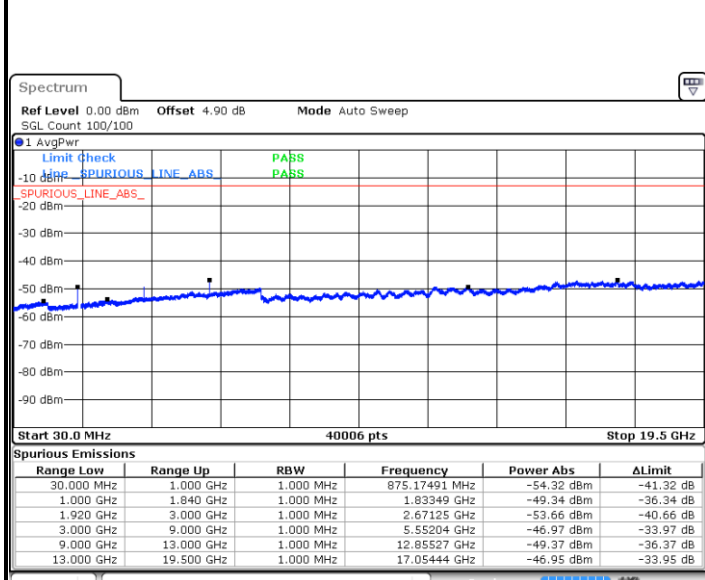
Highest Channel / 16QAM



Date: 4 JUN 2020 22:54:43

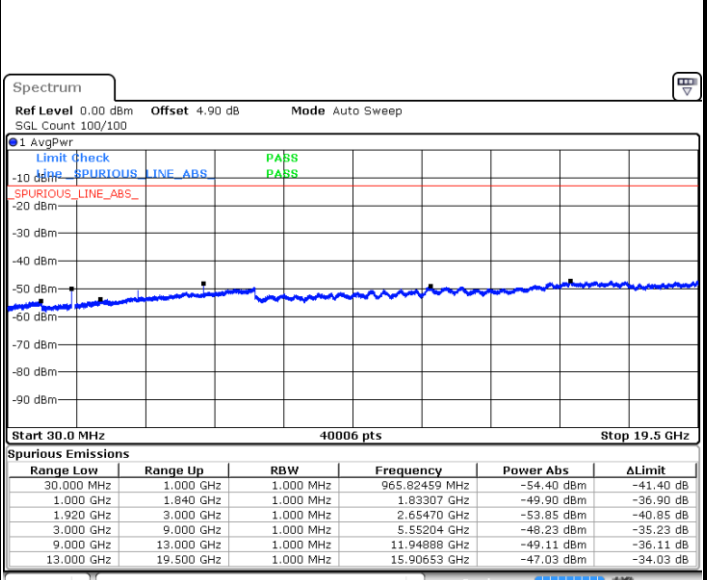
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 4 JUN 2020 23:00:47

Lowest Channel / 16QAM



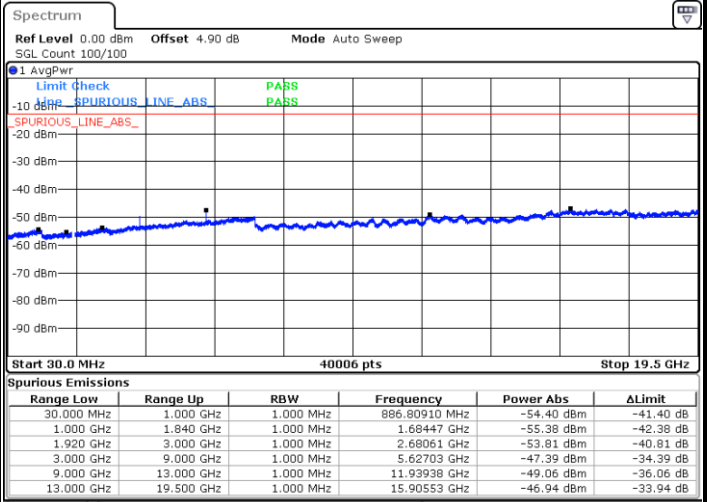
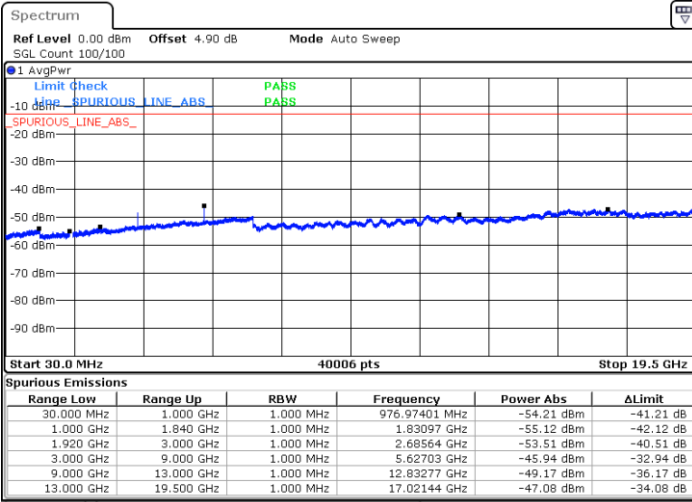
Date: 4 JUN 2020 23:01:42



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

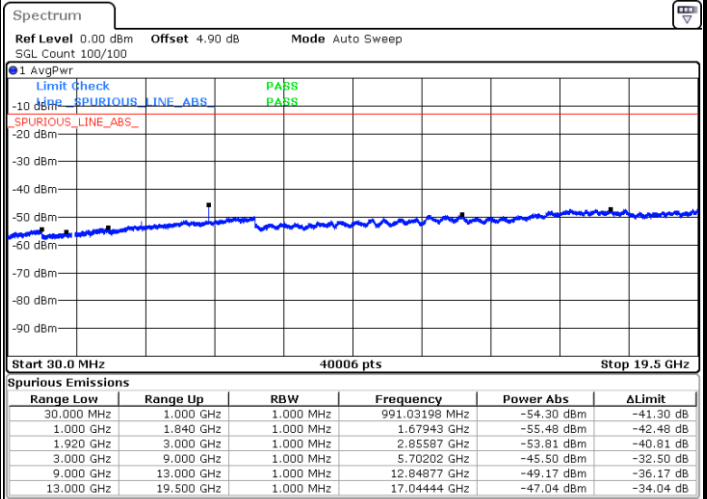
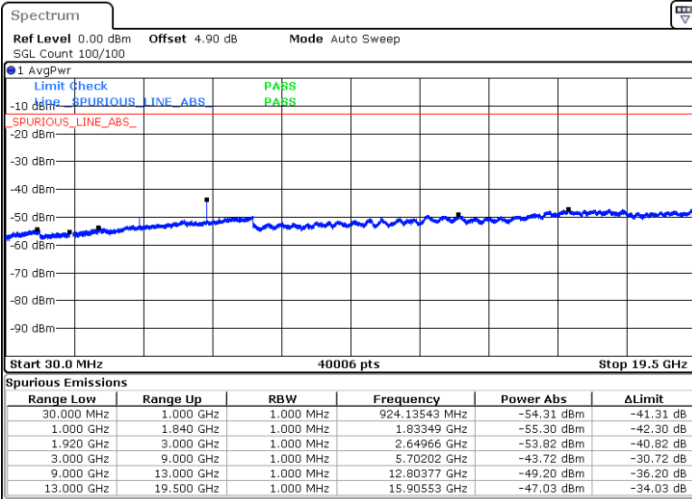


Date: 4 JUN 2020 23:03:16

Date: 4 JUN 2020 23:04:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 JUN 2020 23:10:15

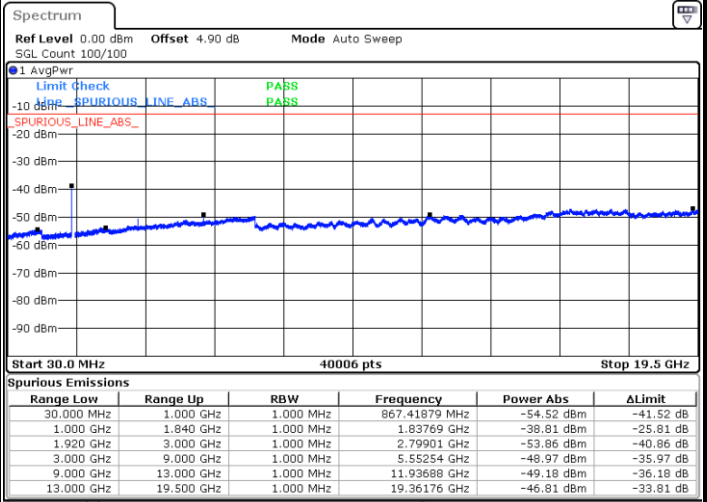
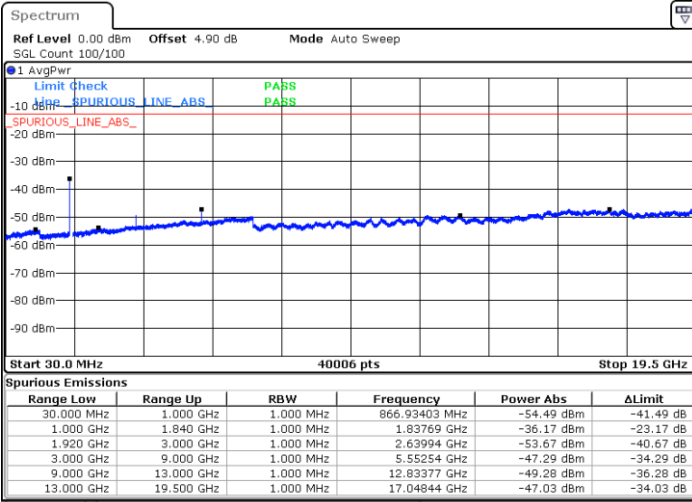
Date: 4 JUN 2020 23:11:09



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

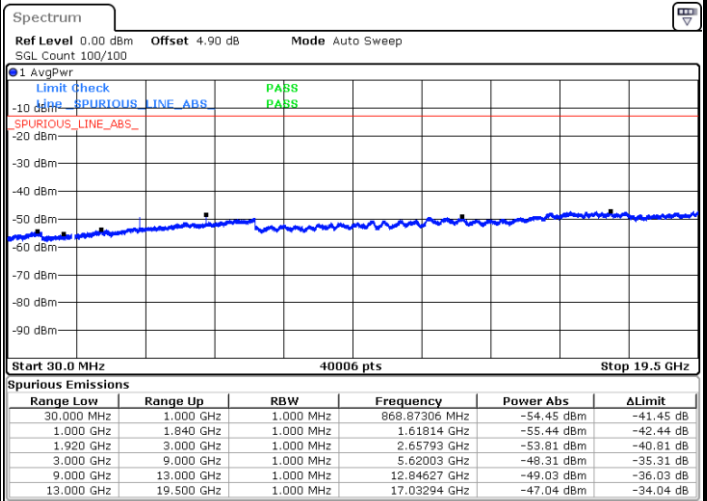
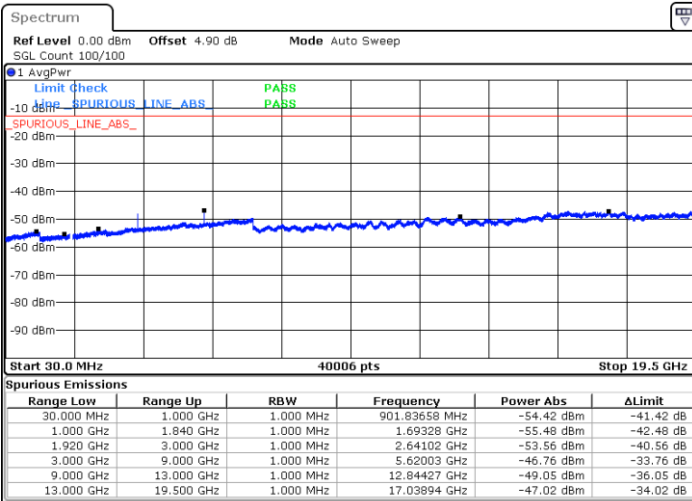


Date: 4 JUN 2020 23:17:14

Date: 4 JUN 2020 23:18:08

Middle Channel / QPSK

Middle Channel / 16QAM



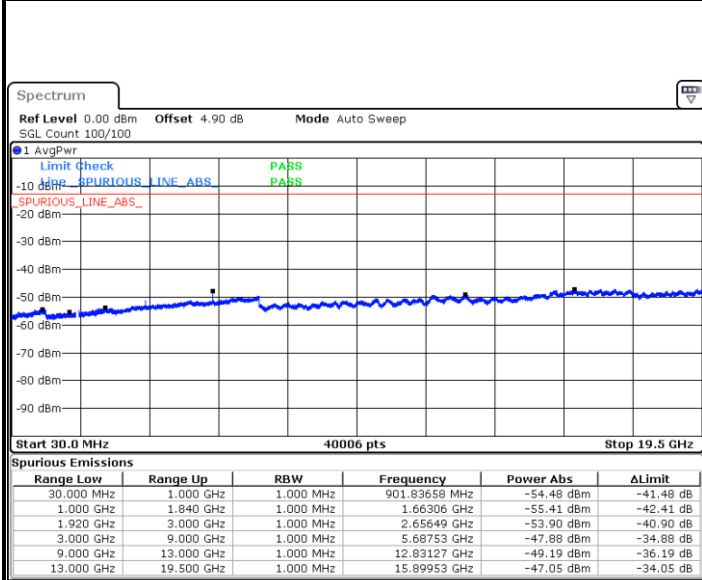
Date: 4 JUN 2020 23:19:43

Date: 4 JUN 2020 23:20:37



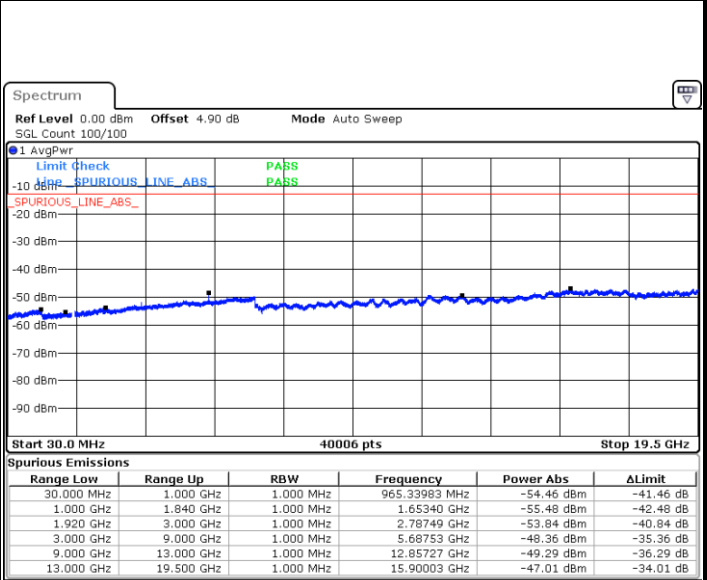
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 4 JUN 2020 23:26:42

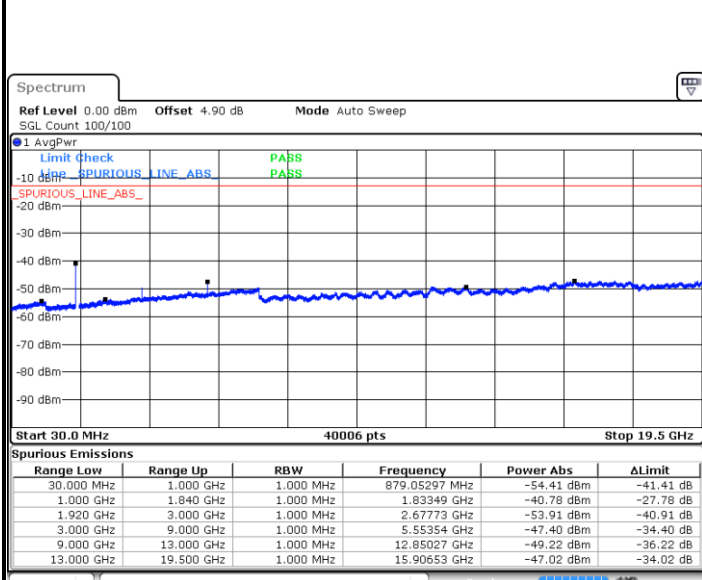
Highest Channel / 16QAM



Date: 4 JUN 2020 23:27:36

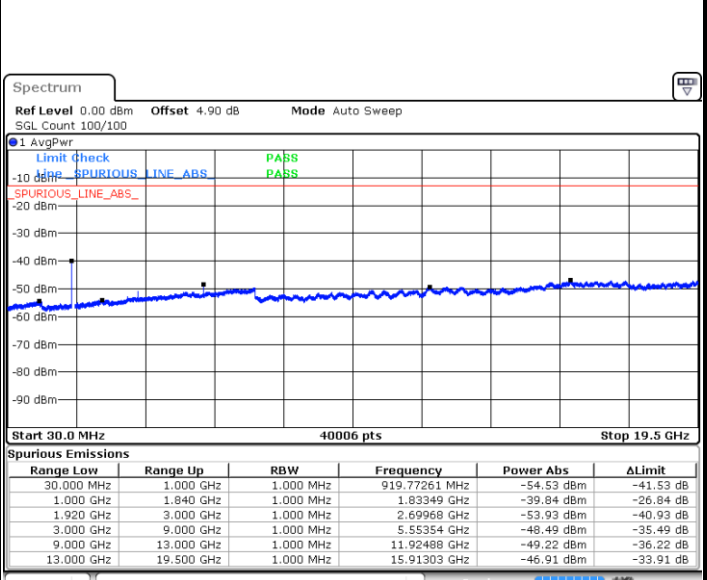
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 4 JUN 2020 23:33:41

Lowest Channel / 16QAM



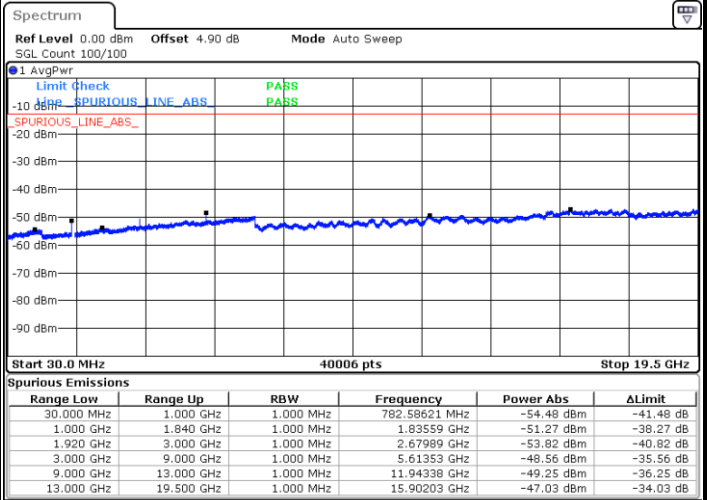
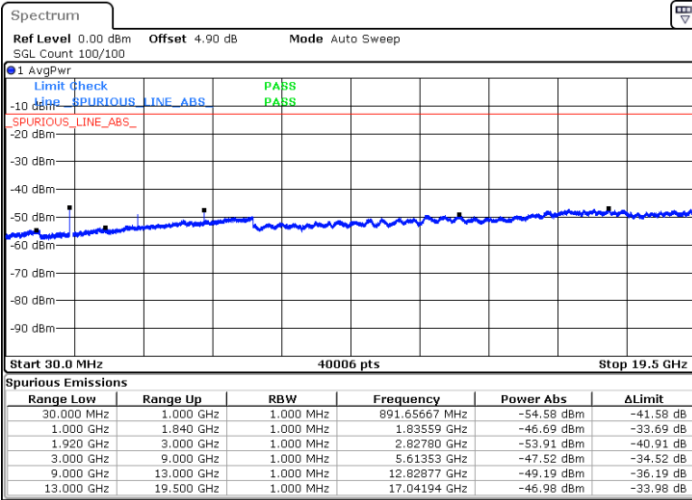
Date: 4 JUN 2020 23:34:35



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

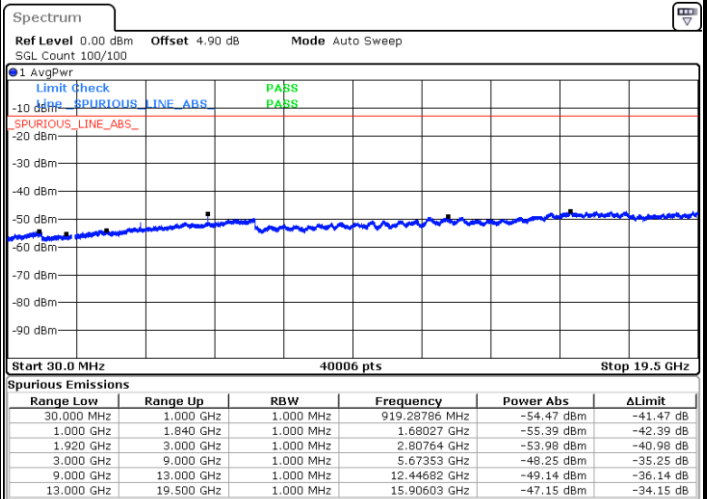
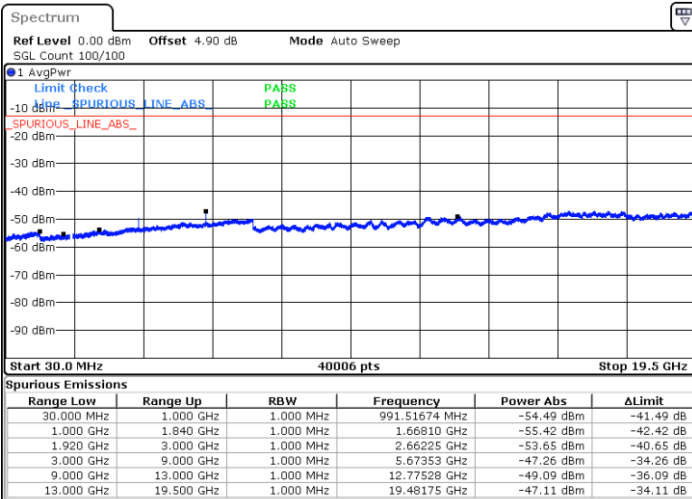


Date: 4 JUN 2020 23:36:10

Date: 4 JUN 2020 23:37:04

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 JUN 2020 23:43:09

Date: 4 JUN 2020 23:44:03



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
60	Normal Voltage	0.0005	PASS
50	Normal Voltage	0.0055	
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0072	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0075	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0058	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0088	

Note:

1. Normal Voltage =5 V. ; Battery End Point (BEP) =4.5 V. ; Maximum Voltage =5.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.52	5.10	5.33	5.91	PASS
Middle CH	4.46	5.07	5.33	5.97	
Highest CH	4.49	4.75	5.25	5.83	



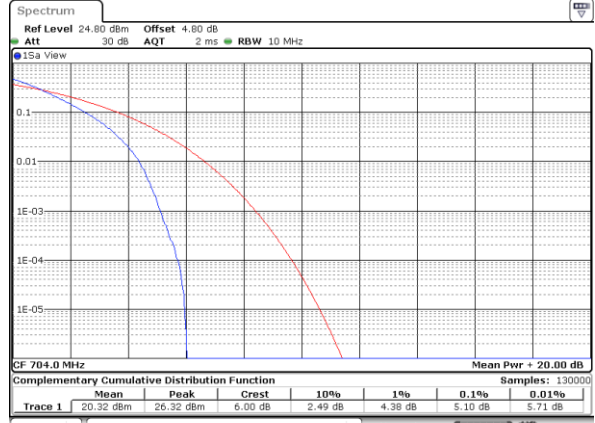
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



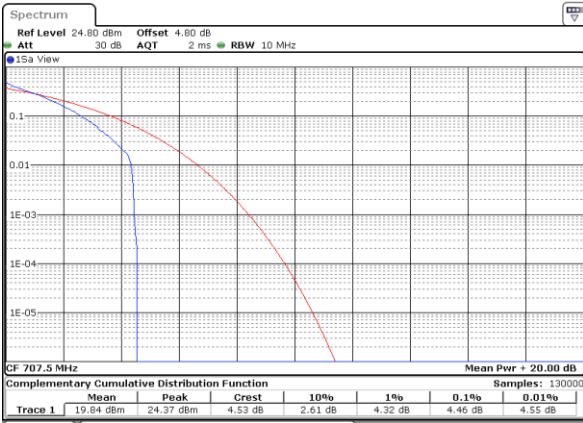
Date: 4 JUN 2020 04:13:46

Lowest Channel / Full RB



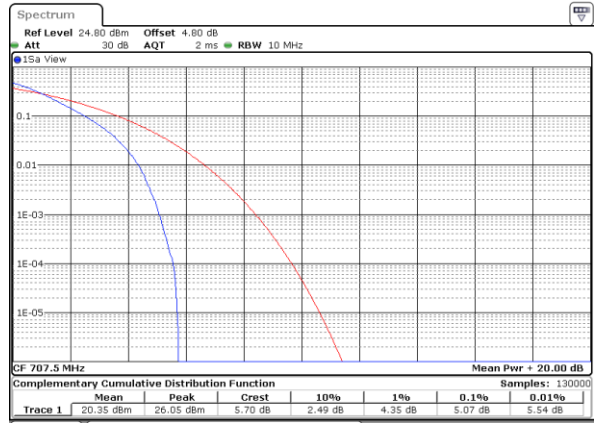
Date: 4 JUN 2020 04:24:16

Middle Channel / 1RB



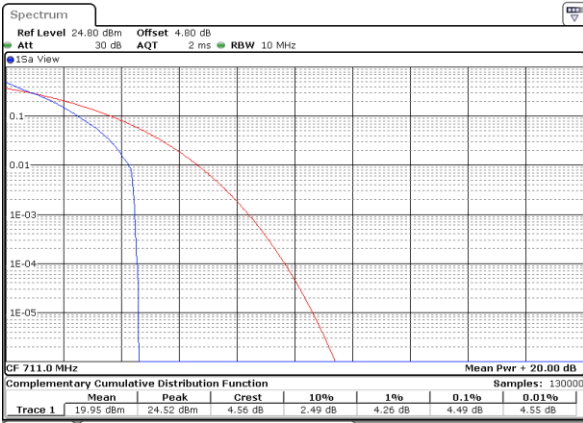
Date: 4 JUN 2020 04:24:54

Middle Channel / Full RB



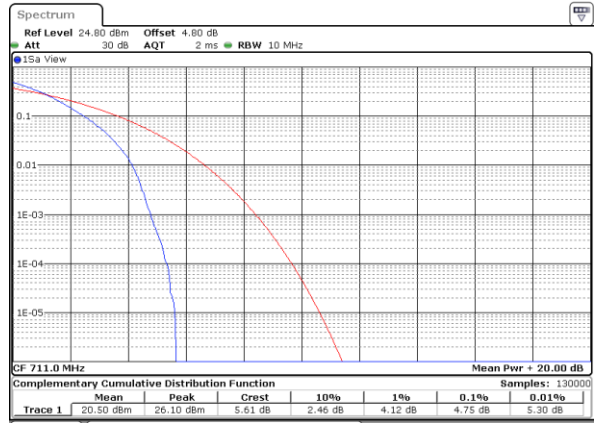
Date: 4 JUN 2020 04:24:46

Highest Channel / 1RB



Date: 4 JUN 2020 04:25:22

Highest Channel / Full RB

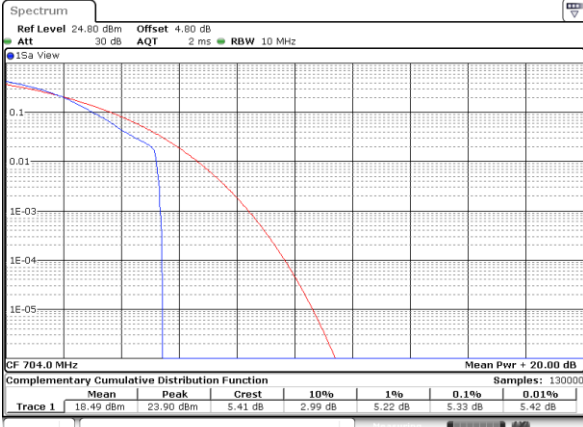


Date: 4 JUN 2020 04:25:31



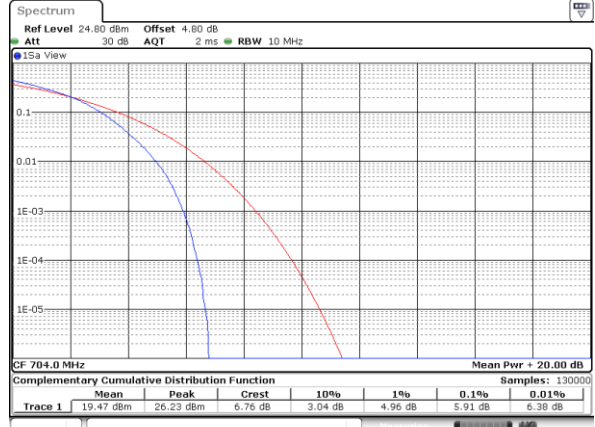
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



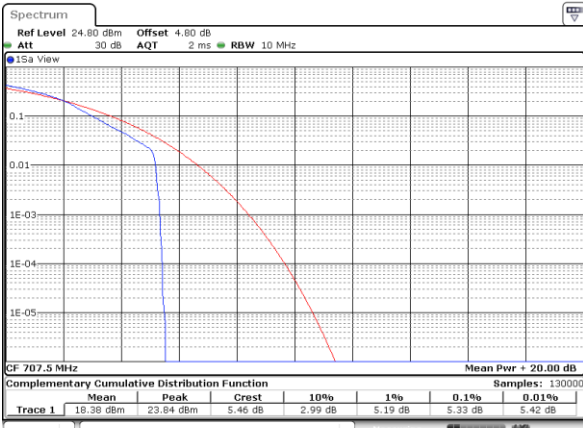
Date: 4 JUN 2020 04:13:37

Lowest Channel / Full RB



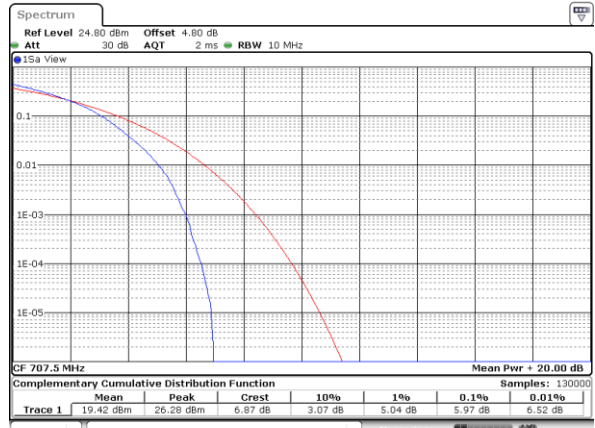
Date: 4 JUN 2020 04:24:26

Middle Channel / 1RB



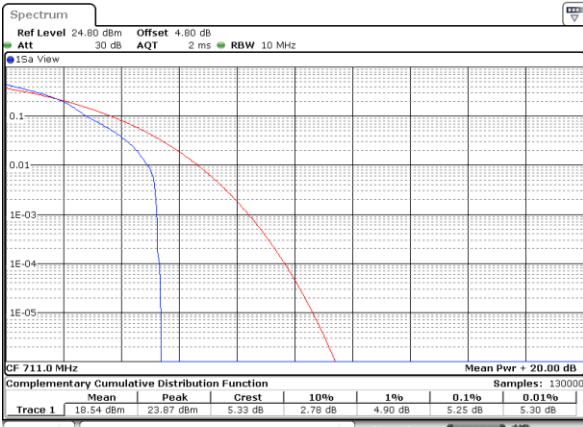
Date: 4 JUN 2020 04:25:03

Middle Channel / Full RB



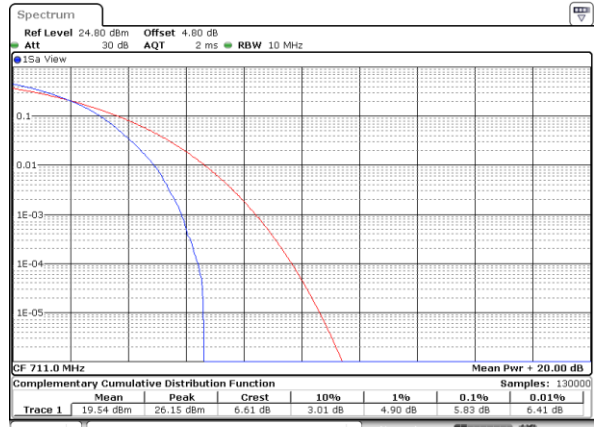
Date: 4 JUN 2020 04:24:37

Highest Channel / 1RB



Date: 4 JUN 2020 04:25:12

Highest Channel / Full RB



Date: 4 JUN 2020 04:25:40



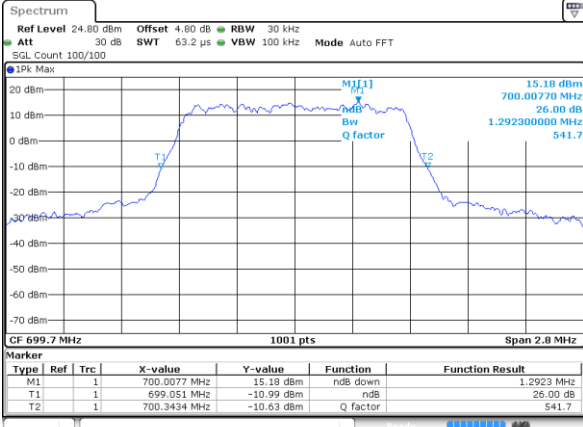
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)							
	1.4MHz		3MHz		5MHz		10MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.26	3.00	3.05	4.88	4.91	9.69	9.87
Middle CH	1.26	1.30	3.05	2.98	4.95	4.94	9.79	9.77
Highest CH	1.27	1.30	3.01	3.01	4.88	4.99	9.91	9.91



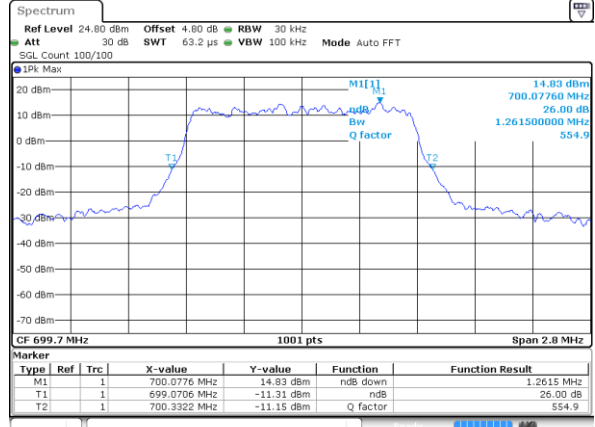
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



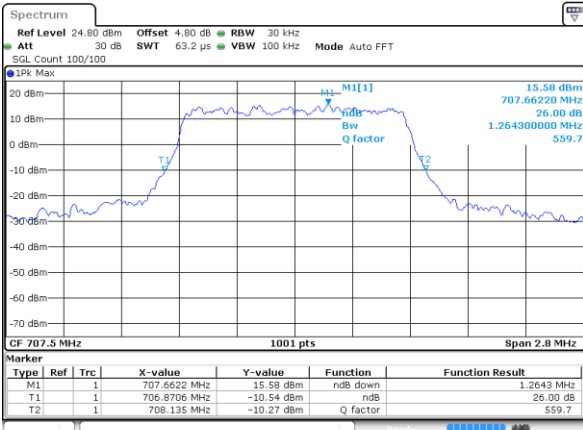
Date: 4 JUN 2020 00:01:37

Lowest Channel / 1.4MHz / 16QAM



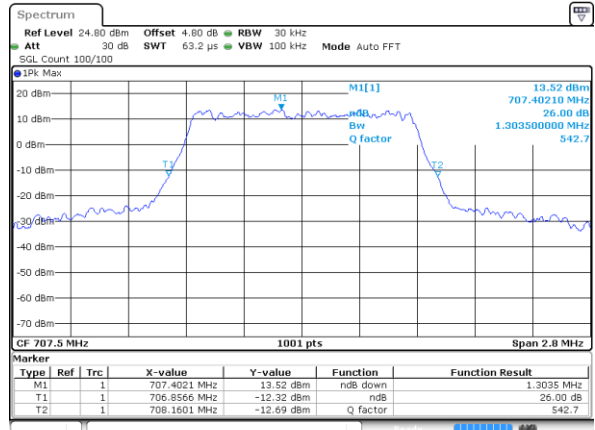
Date: 4 JUN 2020 00:01:27

Middle Channel / 1.4MHz / QPSK



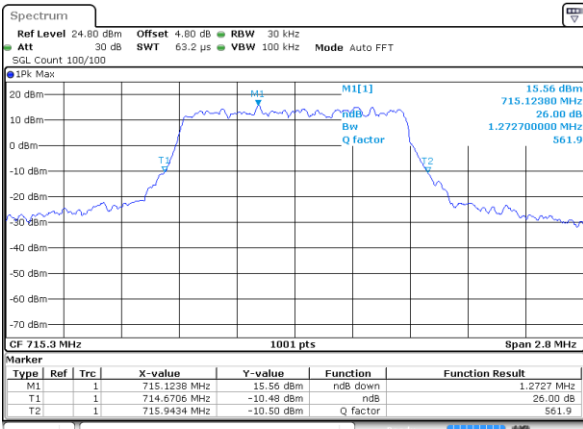
Date: 4 JUN 2020 00:01:07

Middle Channel / 1.4MHz / 16QAM



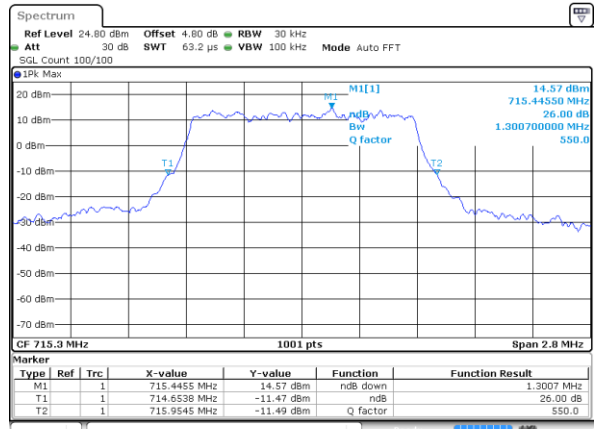
Date: 4 JUN 2020 00:01:17

Highest Channel / 1.4MHz / QPSK



Date: 4 JUN 2020 00:00:57

Highest Channel / 1.4MHz / 16QAM

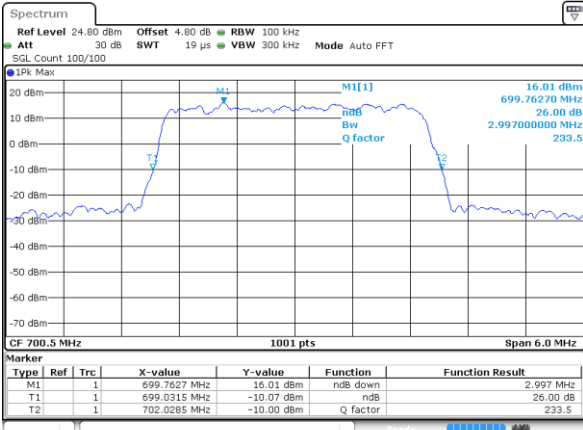


Date: 4 JUN 2020 00:00:47



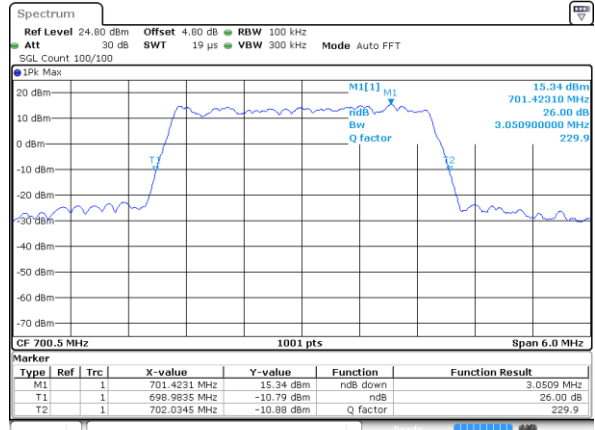
LTE Band 12

Lowest Channel / 3MHz / QPSK



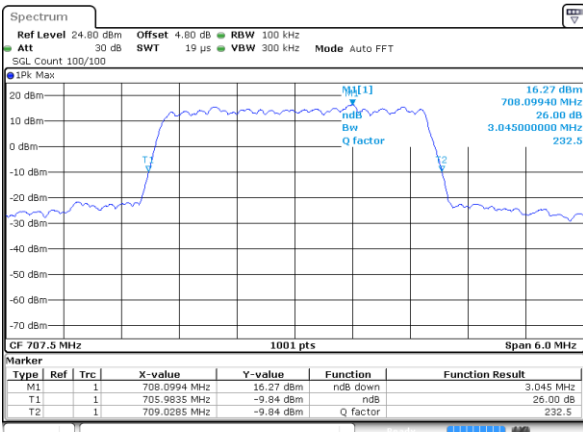
Date: 4 JUN 2020 00:18:12

Lowest Channel / 3MHz / 16QAM



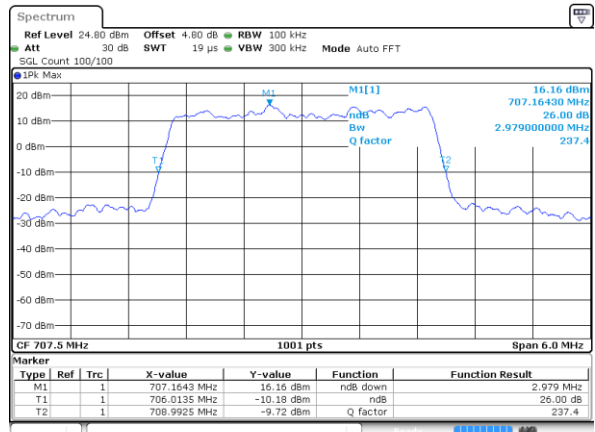
Date: 4 JUN 2020 00:18:02

Middle Channel / 3MHz / QPSK



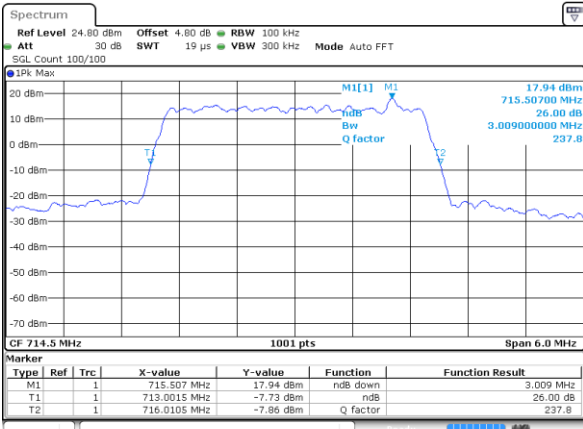
Date: 4 JUN 2020 00:17:42

Middle Channel / 3MHz / 16QAM



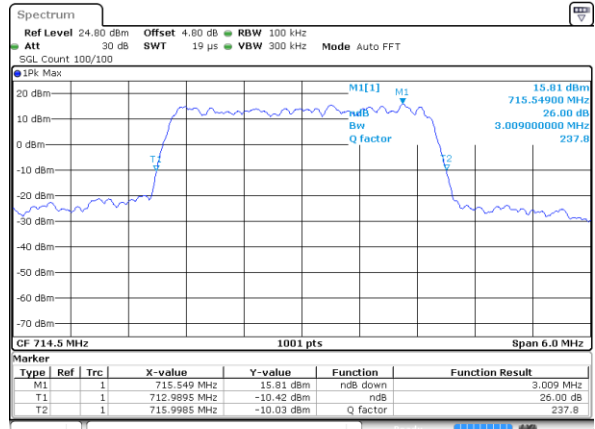
Date: 4 JUN 2020 00:17:52

Highest Channel / 3MHz / QPSK



Date: 4 JUN 2020 00:17:32

Highest Channel / 3MHz / 16QAM

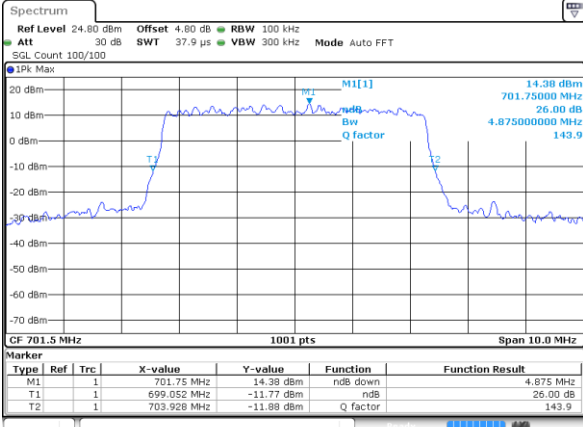


Date: 4 JUN 2020 00:17:22



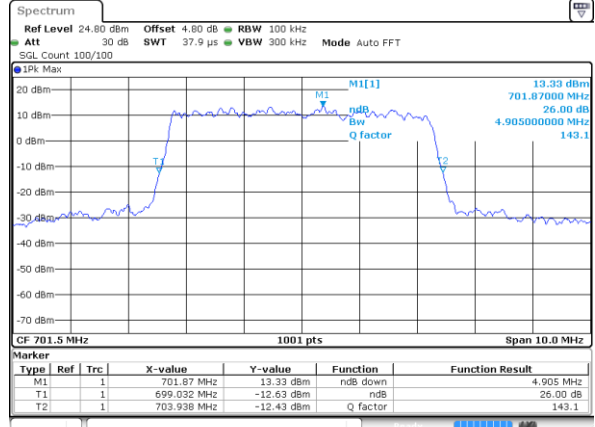
LTE Band 12

Lowest Channel / 5MHz / QPSK



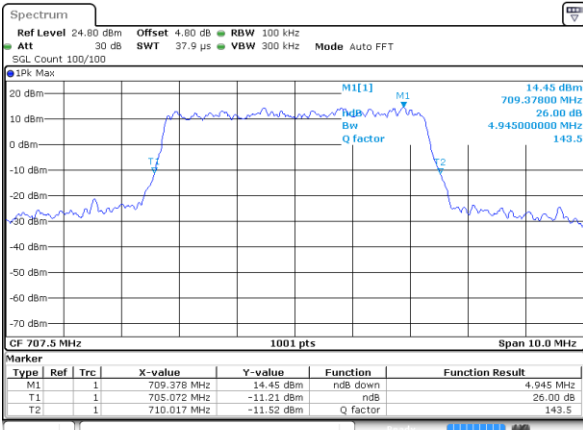
Date: 4 JUN 2020 00:34:47

Lowest Channel / 5MHz / 16QAM



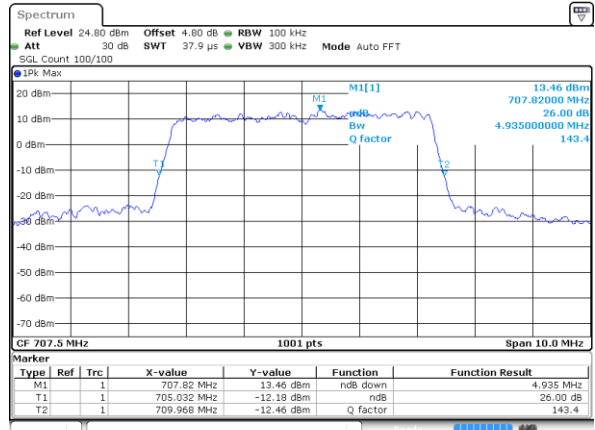
Date: 4 JUN 2020 00:34:37

Middle Channel / 5MHz / QPSK



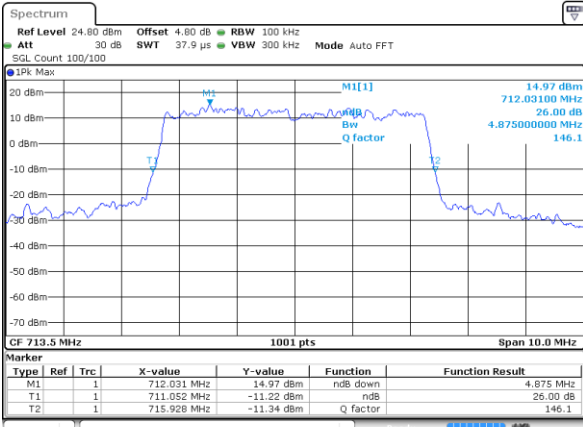
Date: 4 JUN 2020 00:34:16

Middle Channel / 5MHz / 16QAM



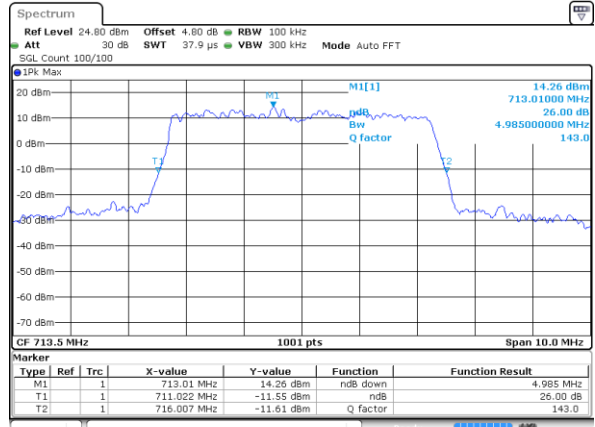
Date: 4 JUN 2020 00:34:27

Highest Channel / 5MHz / QPSK



Date: 4 JUN 2020 00:34:06

Highest Channel / 5MHz / 16QAM



Date: 4 JUN 2020 00:33:56