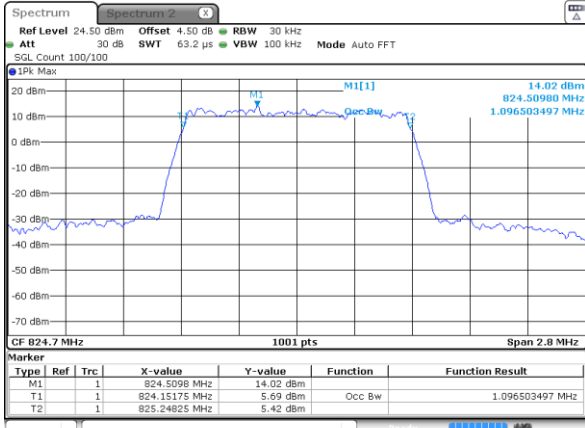




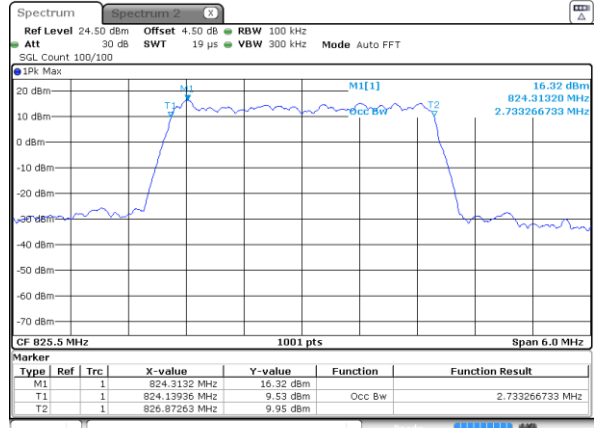
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



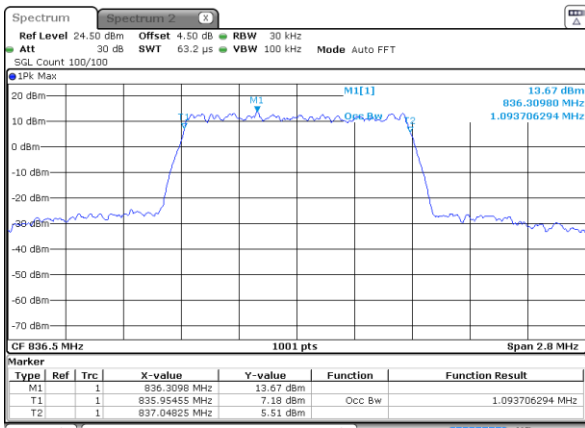
Date: 11.FEB.2020 16:39:51

Lowest Channel / 3MHz / 64QAM



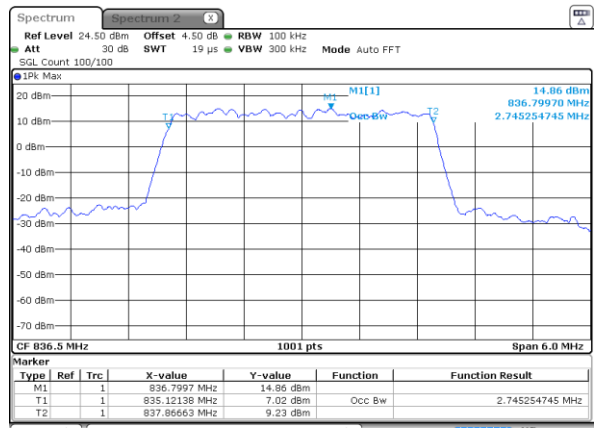
Date: 11.FEB.2020 16:04:55

Middle Channel / 1.4MHz / 64QAM



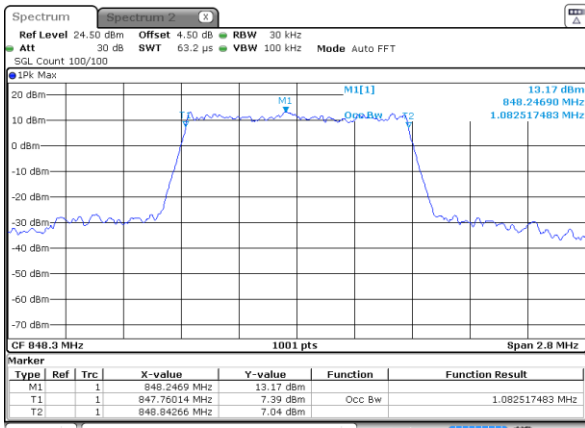
Date: 11.FEB.2020 16:00:06

Middle Channel / 3MHz / 64QAM



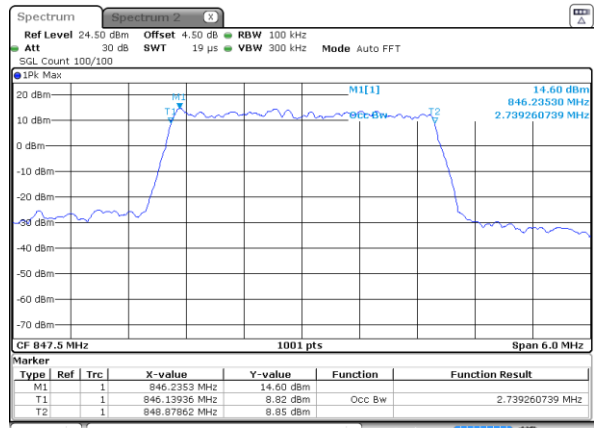
Date: 11.FEB.2020 16:10:19

Highest Channel / 1.4MHz / 64QAM



Date: 11.FEB.2020 16:00:26

Highest Channel / 3MHz / 64QAM

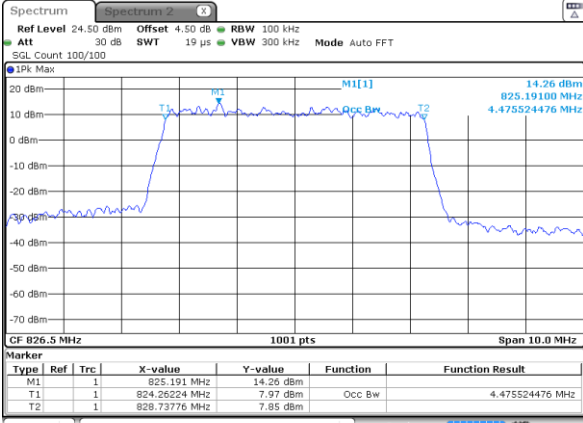


Date: 11.FEB.2020 16:10:39



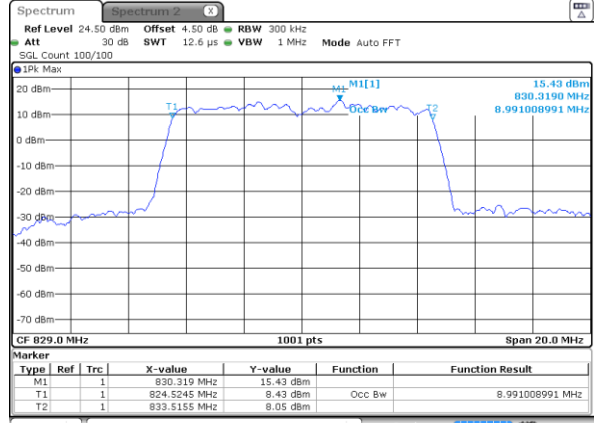
LTE Band 5

Lowest Channel / 5MHz / 64QAM



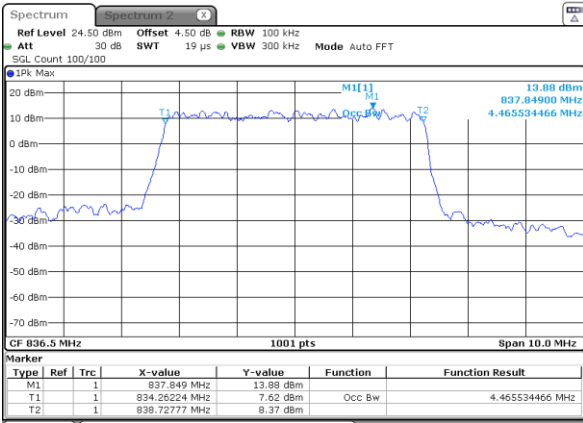
Date: 11 FEB 2020 16:15:08

Lowest Channel / 10MHz / 64QAM



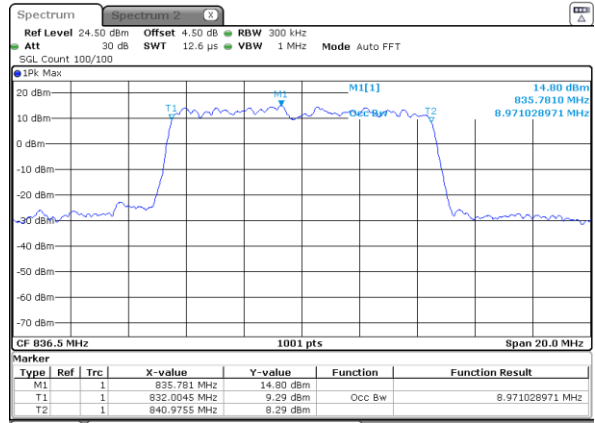
Date: 11 FEB 2020 16:25:21

Middle Channel / 5MHz / 64QAM



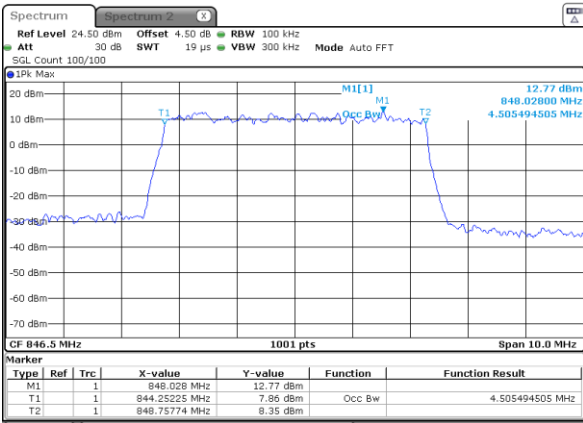
Date: 11 FEB 2020 16:20:32

Middle Channel / 10MHz / 64QAM



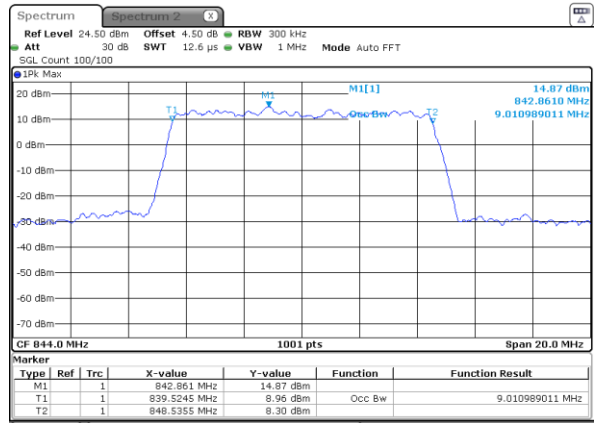
Date: 11 FEB 2020 16:30:45

Highest Channel / 5MHz / 64QAM



Date: 11 FEB 2020 16:20:52

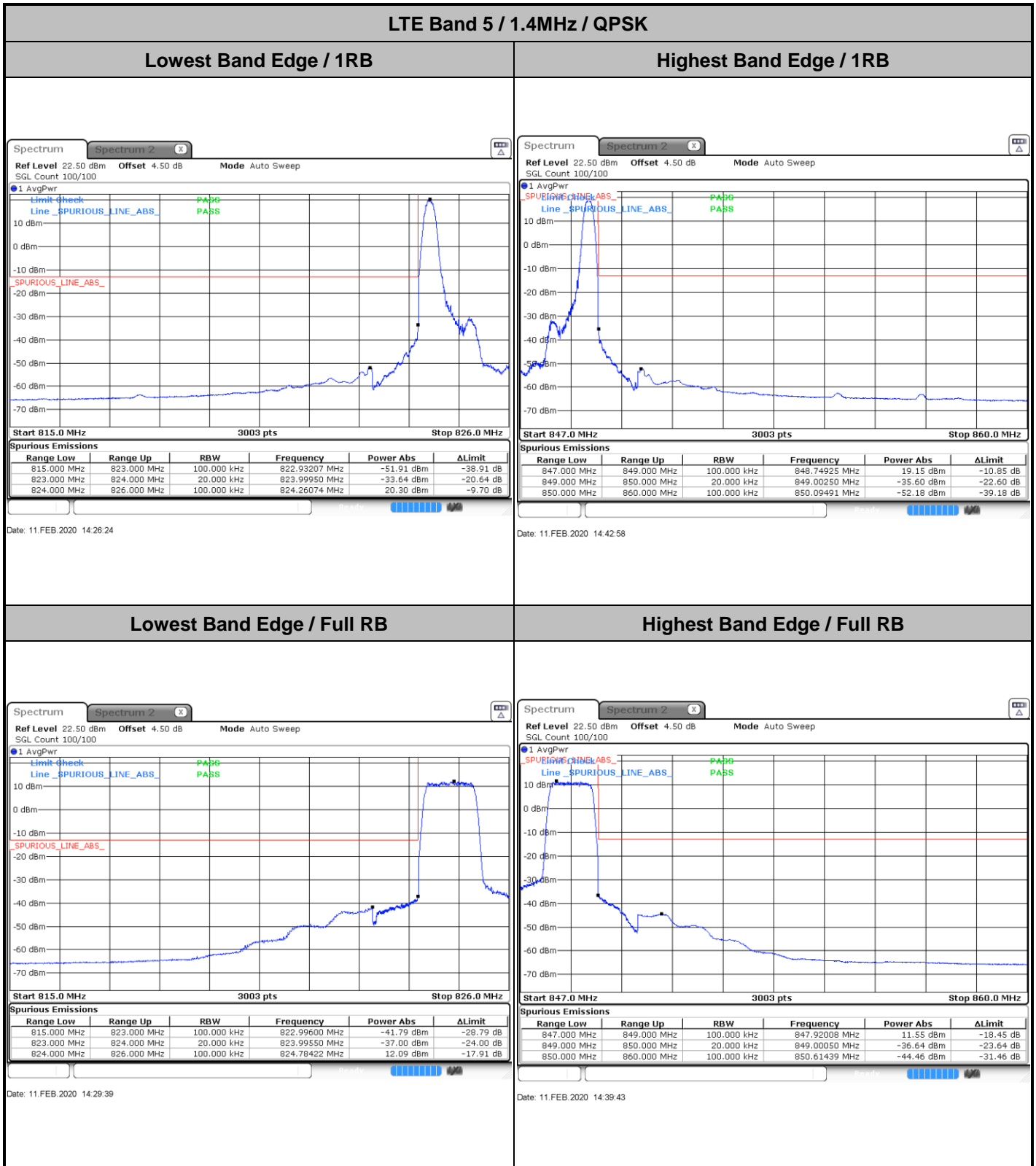
Highest Channel / 10MHz / 64QAM



Date: 11 FEB 2020 16:31:05



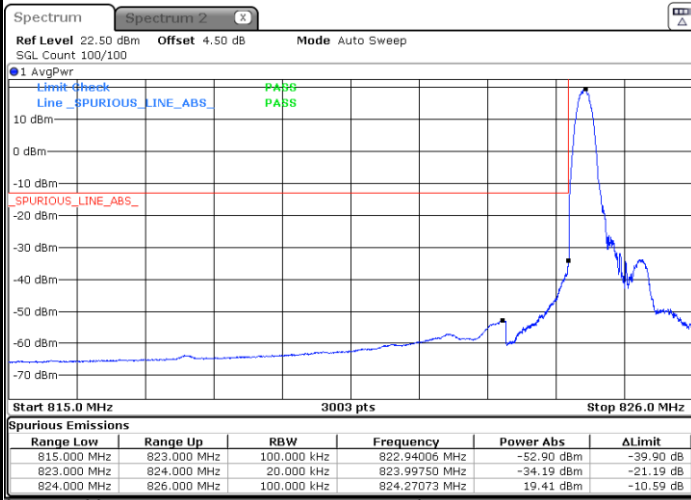
# Conducted Band Edge





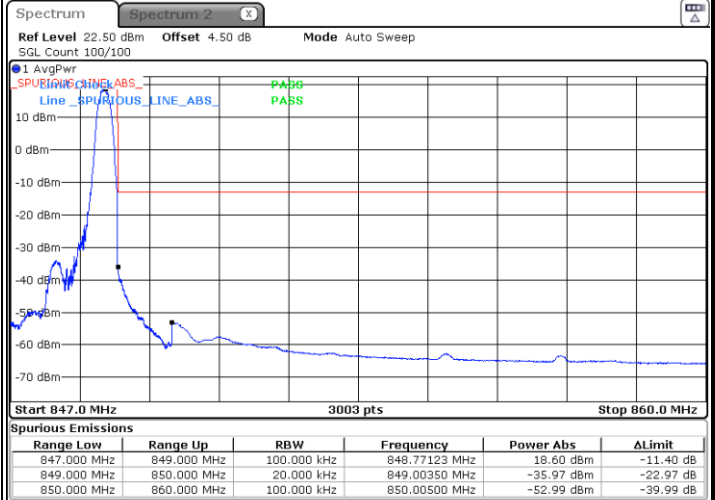
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



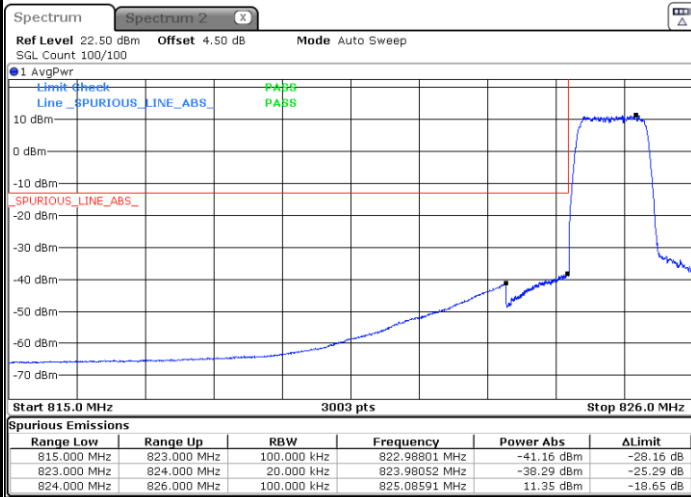
Date: 11.FEB.2020 14:28:02

Highest Band Edge / 1 RB



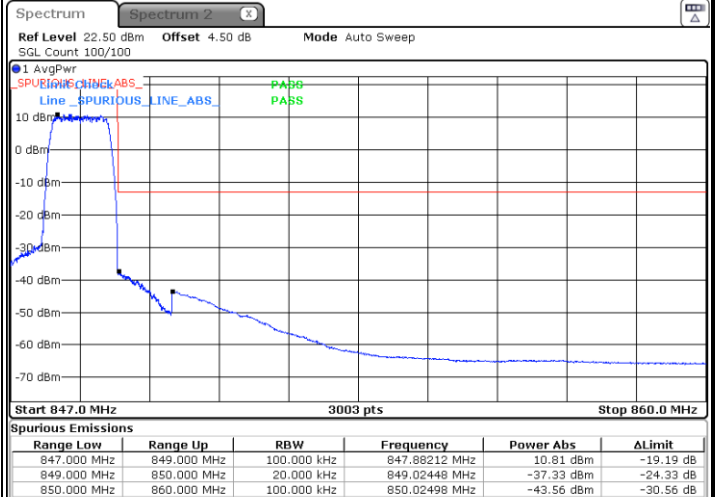
Date: 11.FEB.2020 14:44:35

Lowest Band Edge / Full RB



Date: 11.FEB.2020 14:31:17

Highest Band Edge / Full RB

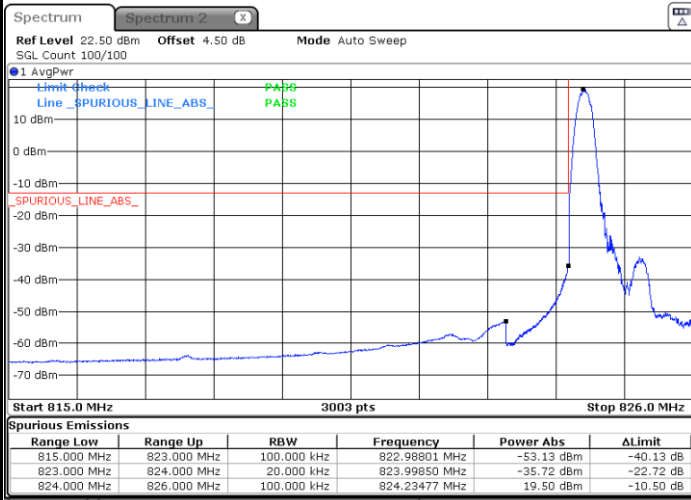


Date: 11.FEB.2020 14:41:20



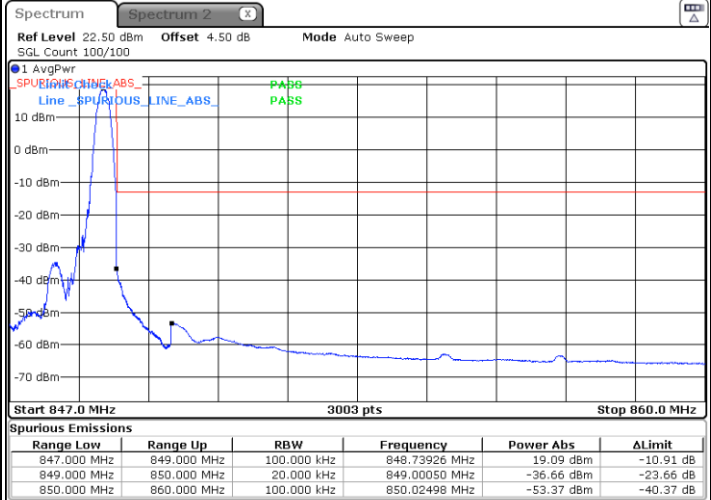
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



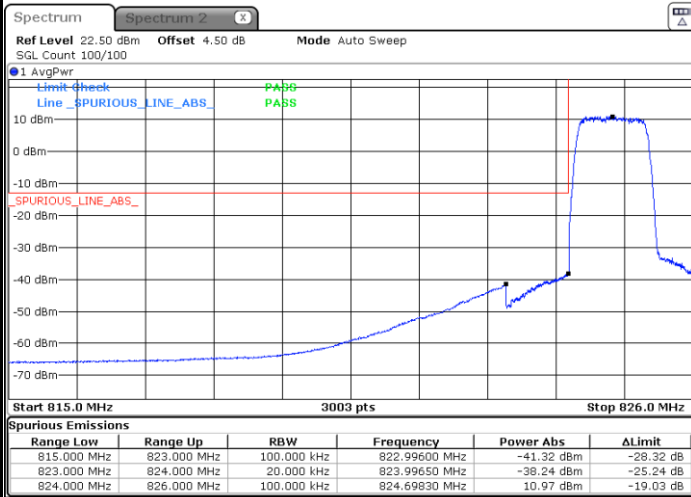
Date: 11.FEB.2020 15:58:08

Highest Band Edge / 1 RB



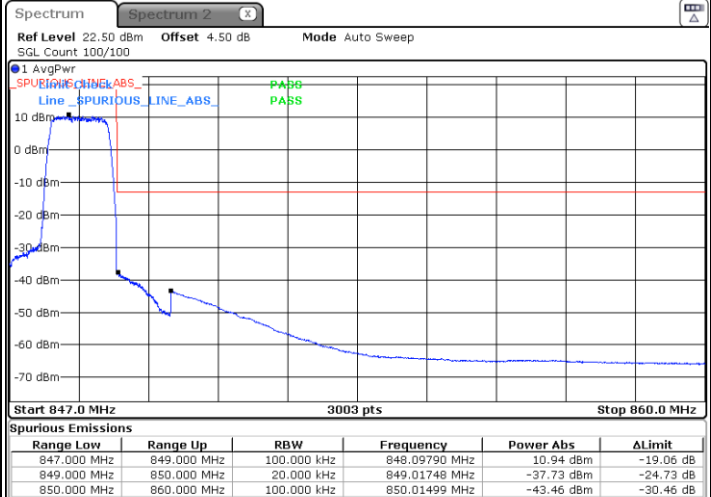
Date: 11.FEB.2020 16:03:51

Lowest Band Edge / Full RB



Date: 11.FEB.2020 16:41:20

Highest Band Edge / Full RB

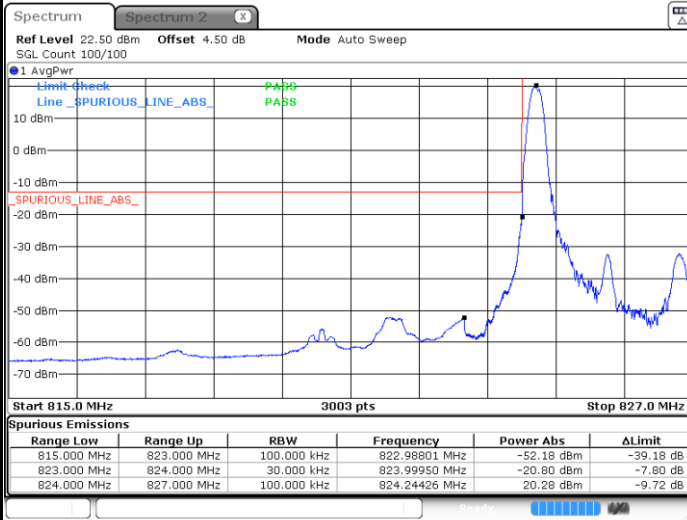


Date: 11.FEB.2020 16:02:14



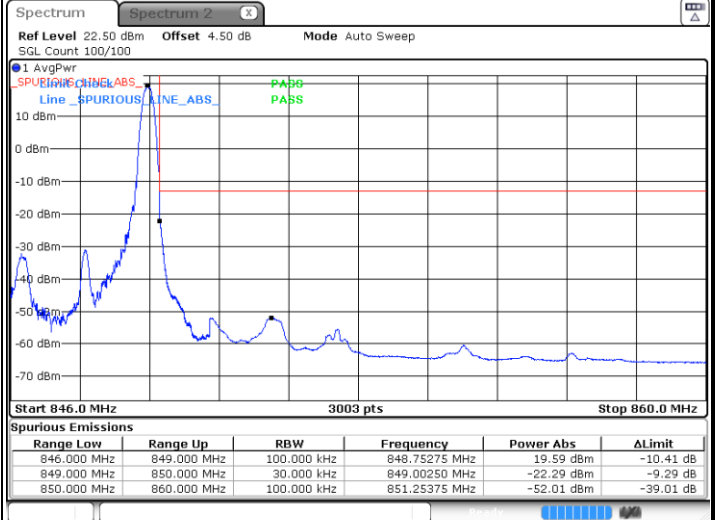
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



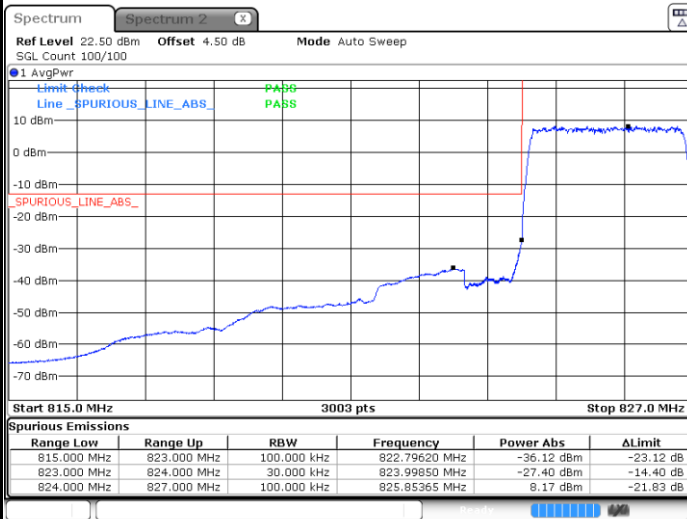
Date: 11.FEB.2020 14:48:41

Highest Band Edge / 1 RB



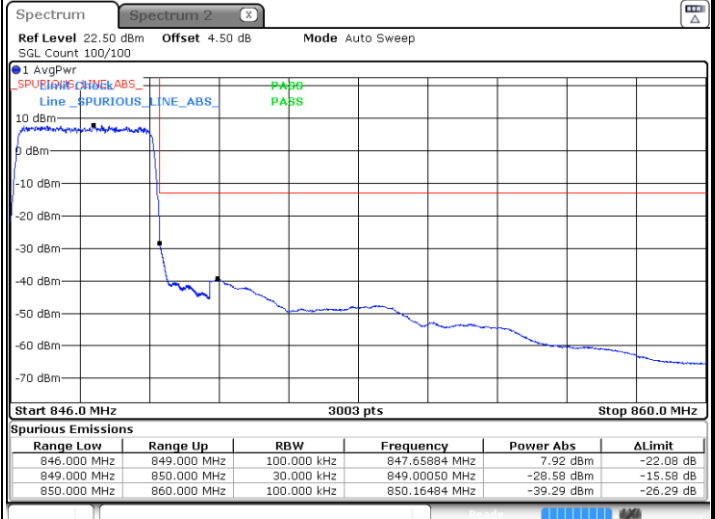
Date: 11.FEB.2020 15:00:09

Lowest Band Edge / Full RB



Date: 11.FEB.2020 14:51:56

Highest Band Edge / Full RB

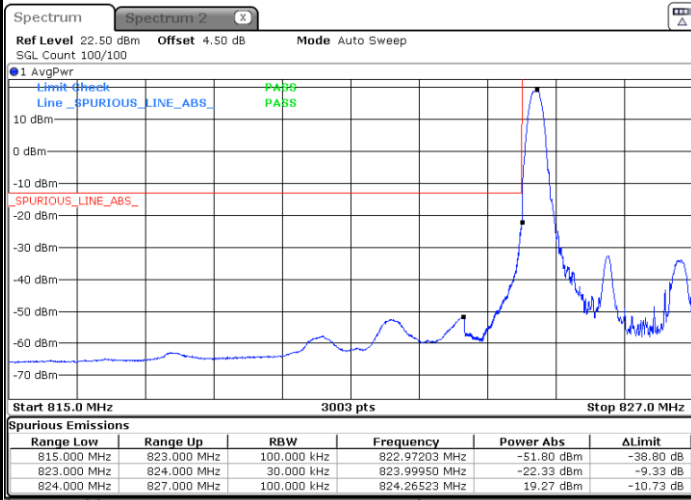


Date: 11.FEB.2020 15:03:24



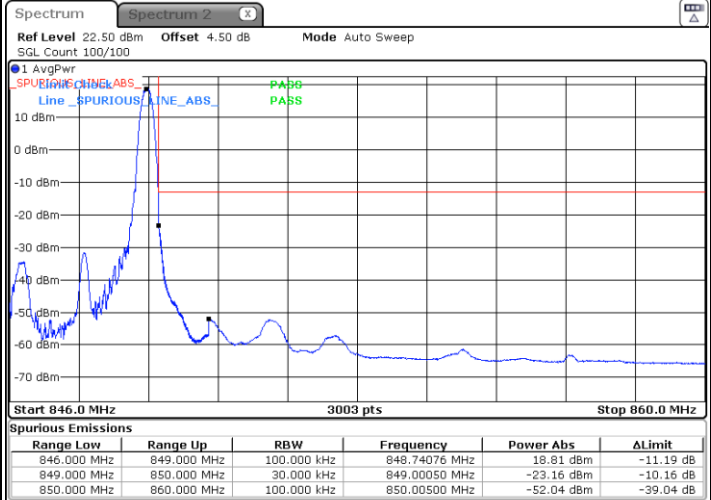
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



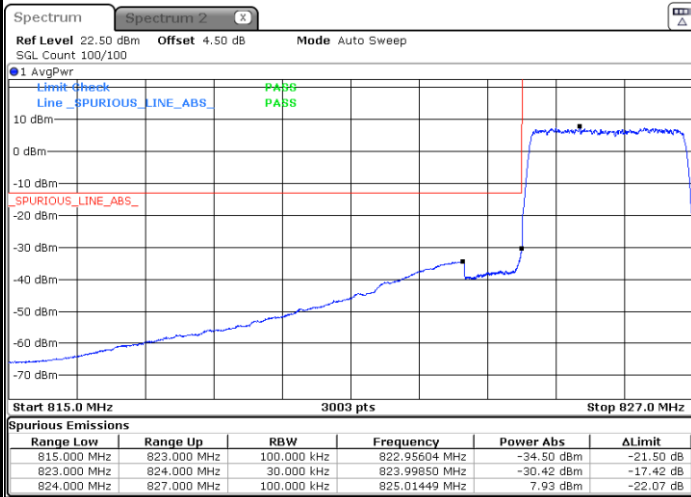
Date: 11.FEB.2020 14:50:19

Highest Band Edge / 1 RB



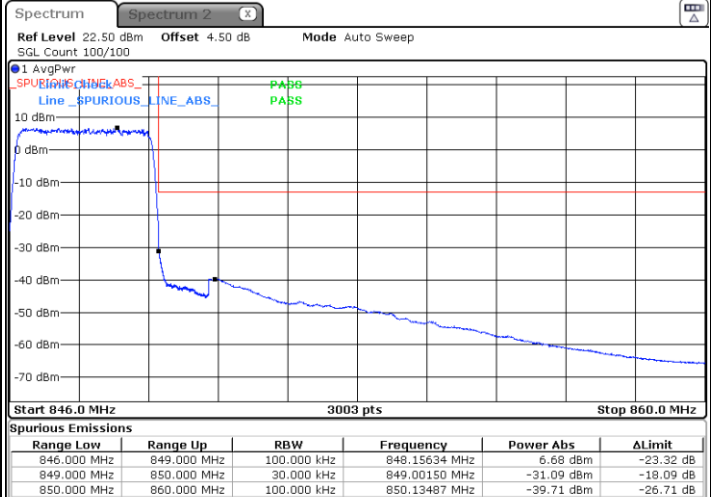
Date: 11.FEB.2020 15:01:46

Lowest Band Edge / Full RB



Date: 11.FEB.2020 14:53:34

Highest Band Edge / Full RB

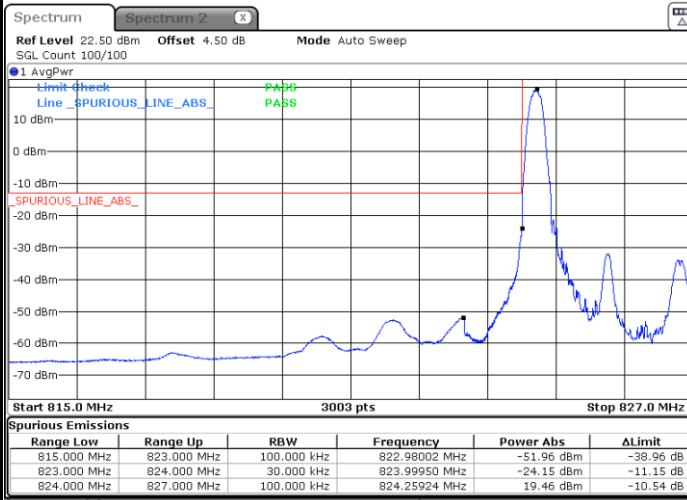


Date: 11.FEB.2020 15:05:01



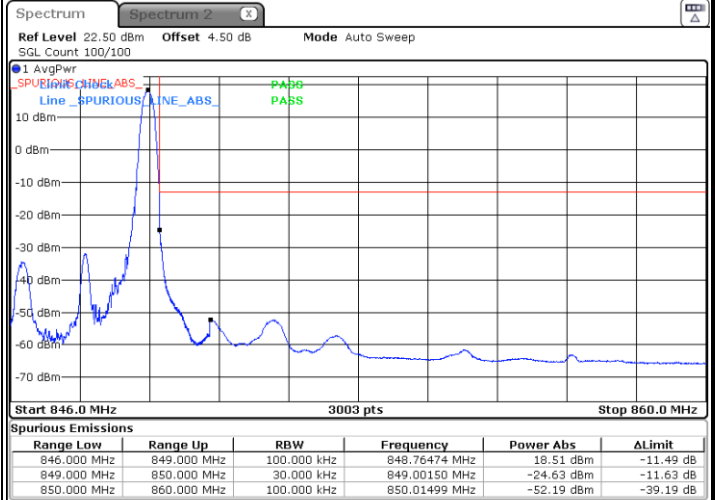
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



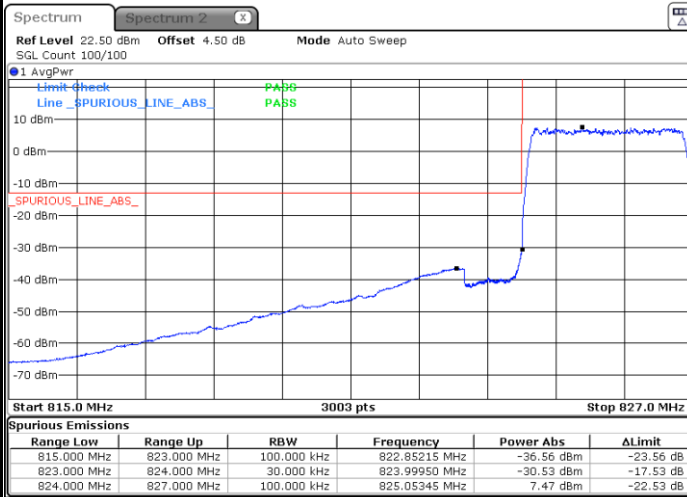
Date: 11.FEB.2020 16:08:21

Highest Band Edge / 1 RB



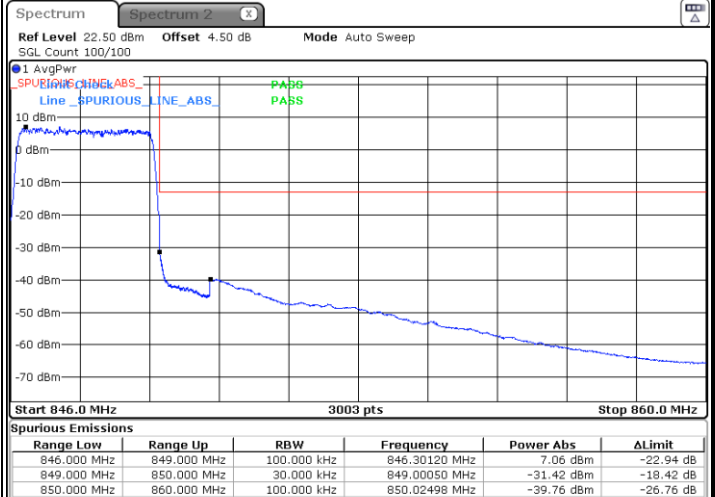
Date: 11.FEB.2020 16:14:04

Lowest Band Edge / Full RB



Date: 11.FEB.2020 16:06:43

Highest Band Edge / Full RB



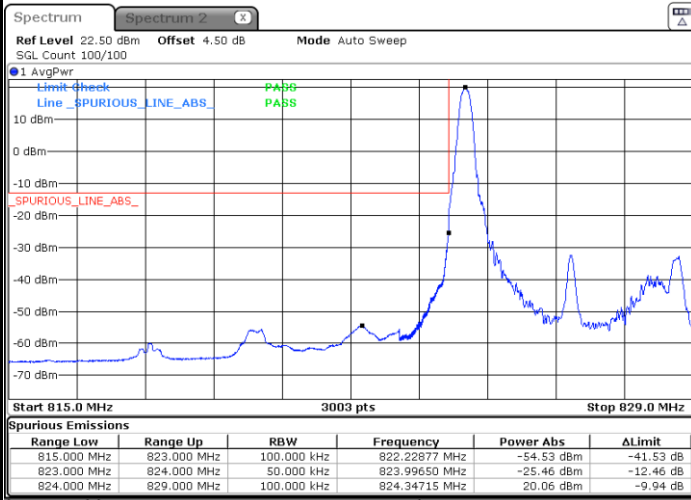
Date: 11.FEB.2020 16:12:27





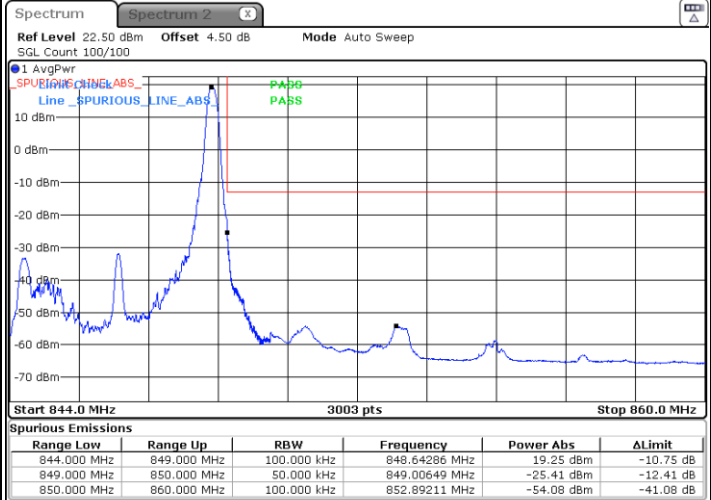
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



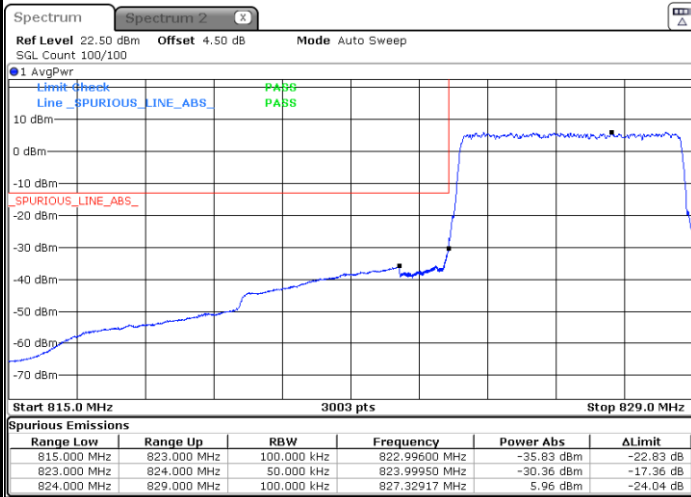
Date: 11.FEB.2020 15:09:08

Highest Band Edge / 1 RB



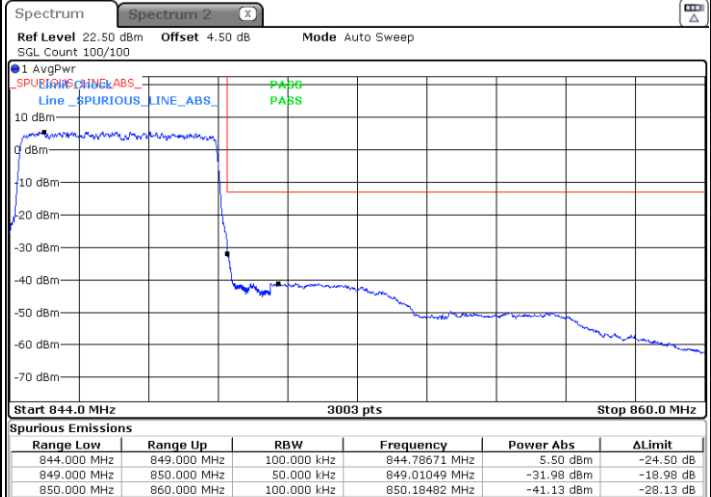
Date: 11.FEB.2020 15:20:35

Lowest Band Edge / Full RB



Date: 11.FEB.2020 15:12:22

Highest Band Edge / Full RB

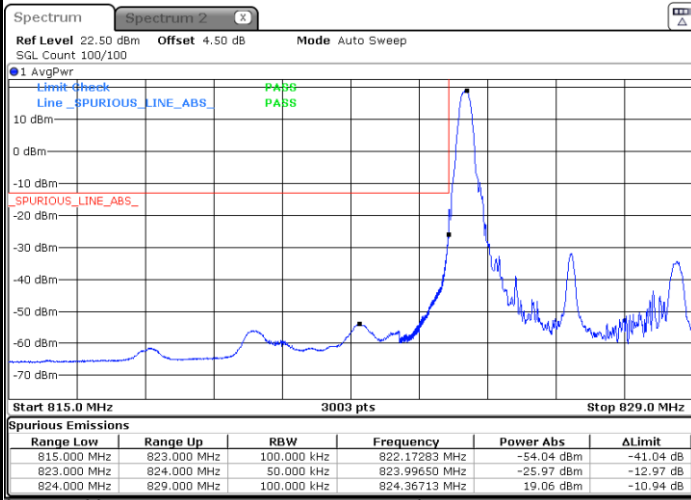


Date: 11.FEB.2020 15:23:50



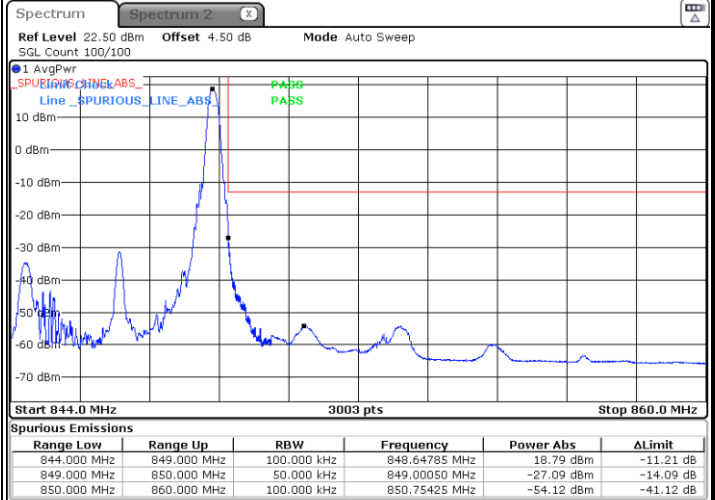
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



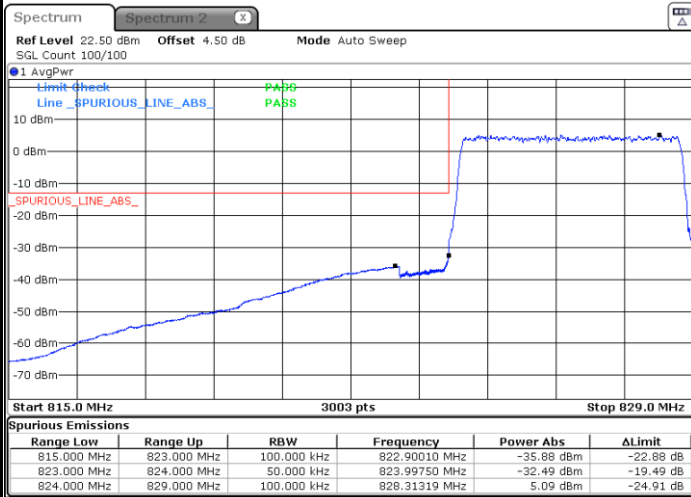
Date: 11.FEB.2020 15:10:45

Highest Band Edge / 1 RB



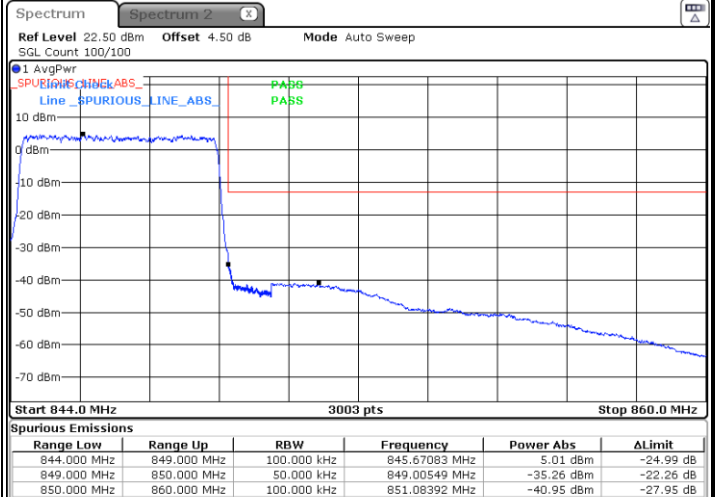
Date: 11.FEB.2020 15:22:13

Lowest Band Edge / Full RB



Date: 11.FEB.2020 15:14:00

Highest Band Edge / Full RB

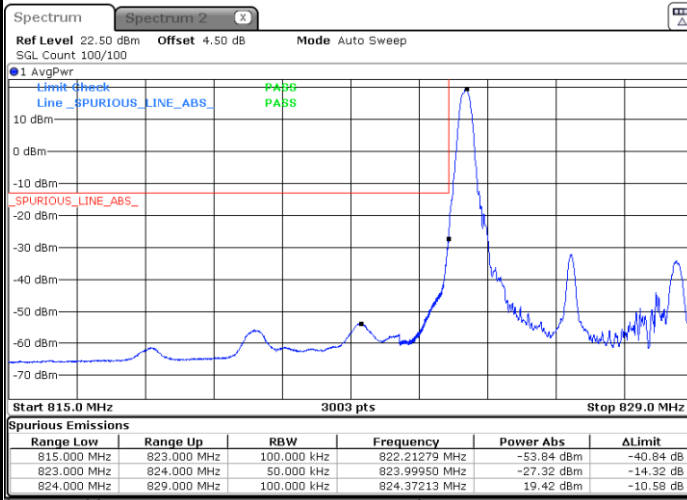


Date: 11.FEB.2020 15:25:27



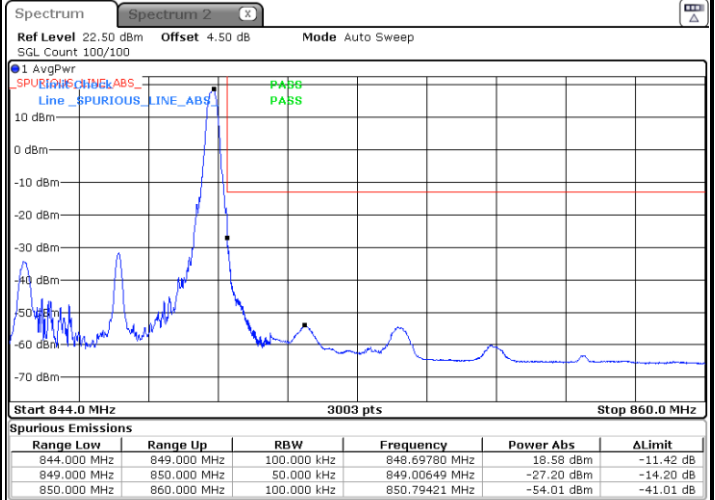
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



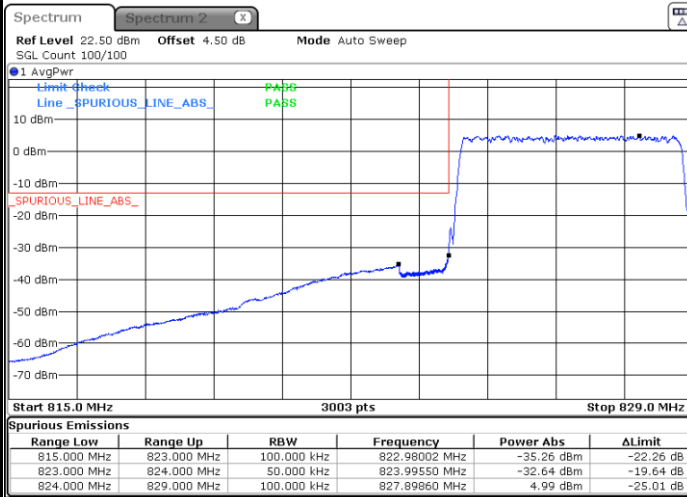
Date: 11.FEB.2020 16:18:34

Highest Band Edge / 1 RB



Date: 11.FEB.2020 16:24:17

Lowest Band Edge / Full RB



Date: 11.FEB.2020 16:16:56

Highest Band Edge / Full RB

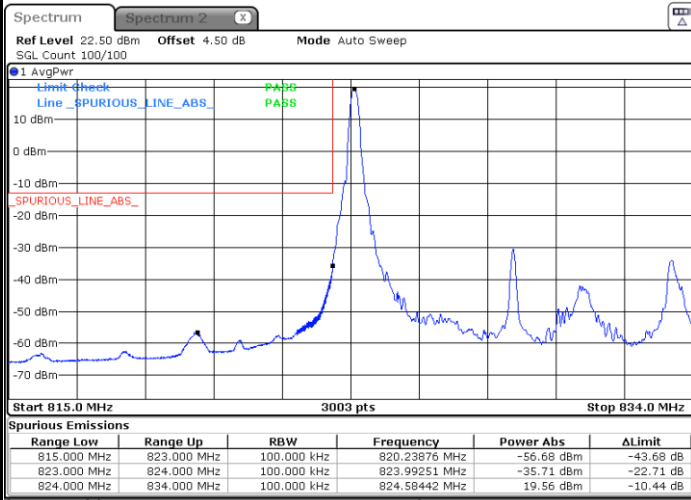


Date: 11.FEB.2020 16:22:40



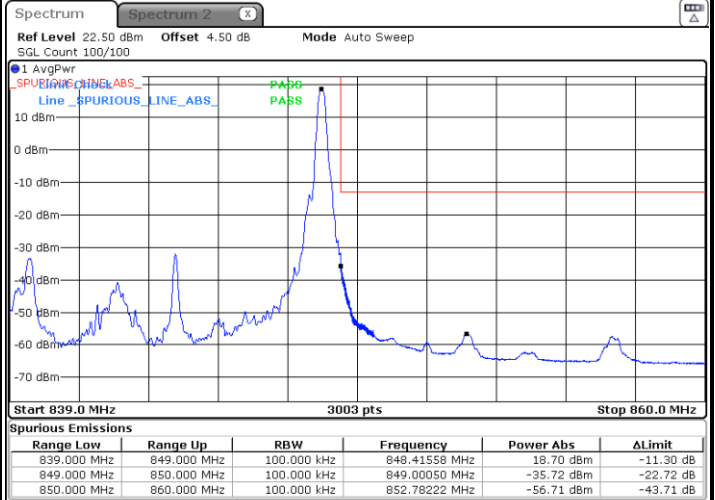
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



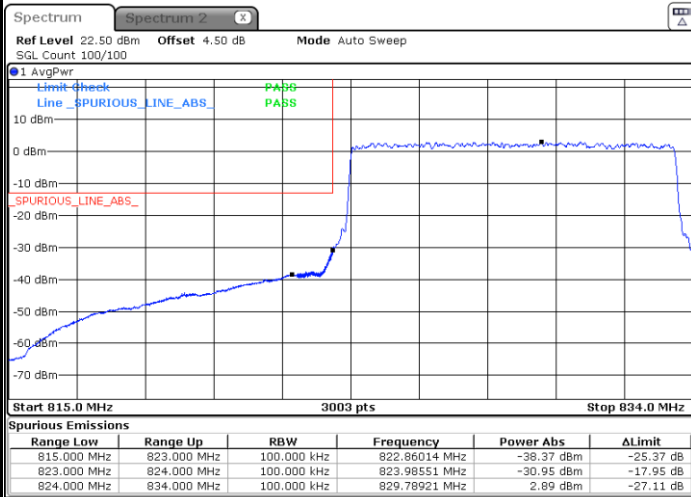
Date: 11.FEB.2020 15:29:34

Highest Band Edge / 1 RB



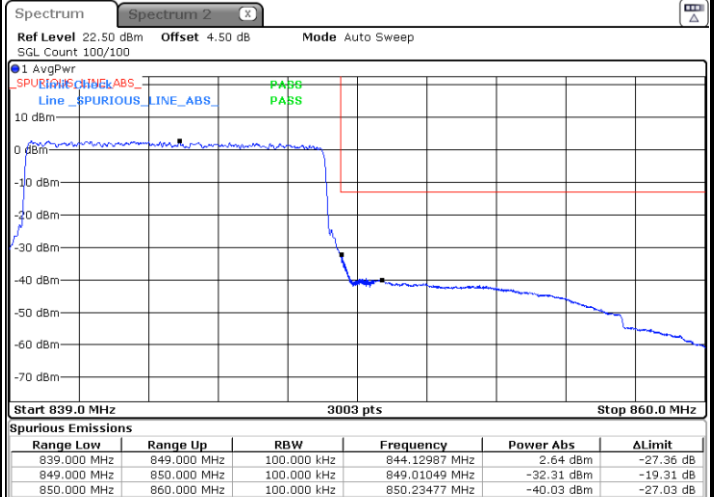
Date: 11.FEB.2020 15:41:01

Lowest Band Edge / Full RB



Date: 11.FEB.2020 15:32:49

Highest Band Edge / Full RB

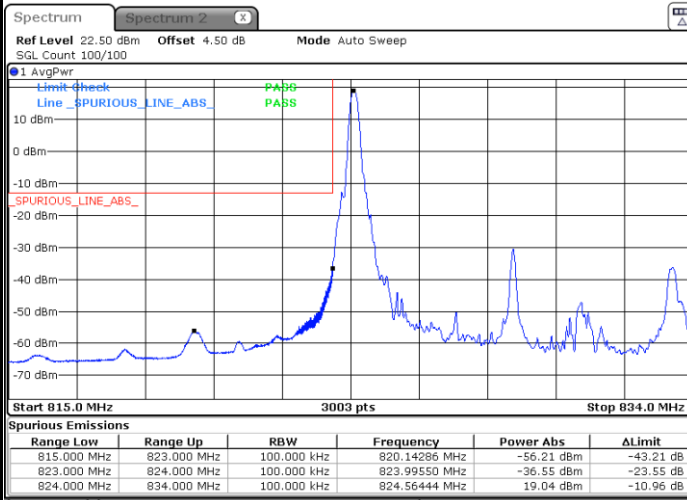


Date: 11.FEB.2020 15:44:16



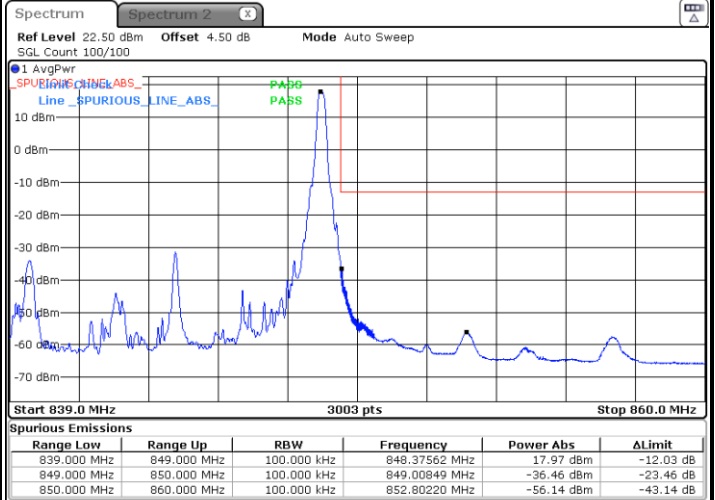
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



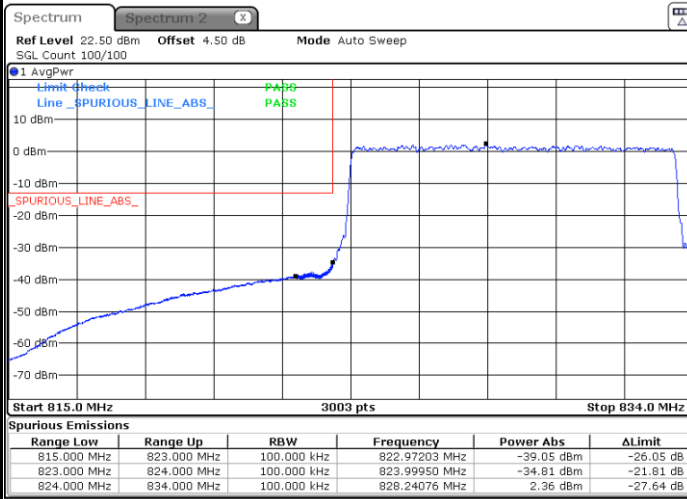
Date: 11.FEB.2020 15:31:11

Highest Band Edge / 1 RB



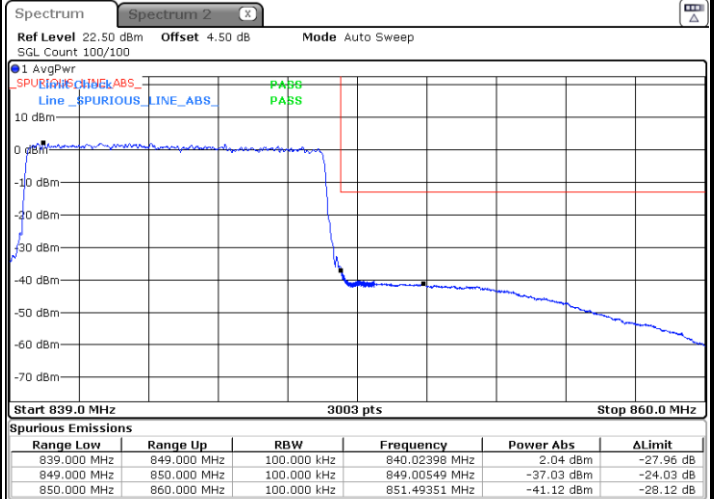
Date: 11.FEB.2020 15:42:39

Lowest Band Edge / Full RB



Date: 11.FEB.2020 15:34:26

Highest Band Edge / Full RB

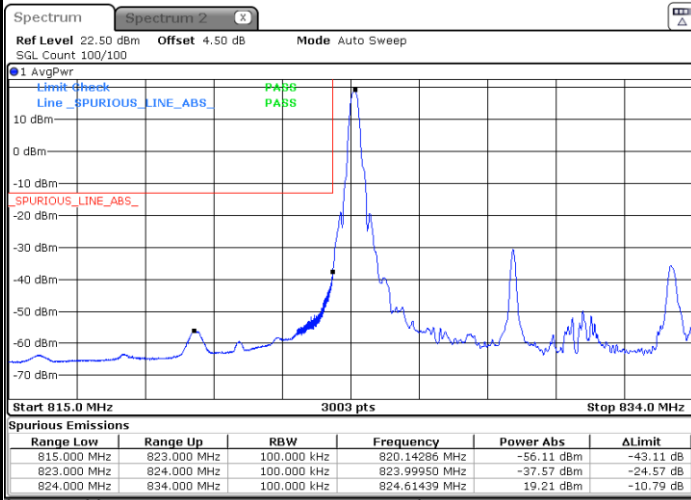


Date: 11.FEB.2020 15:45:54



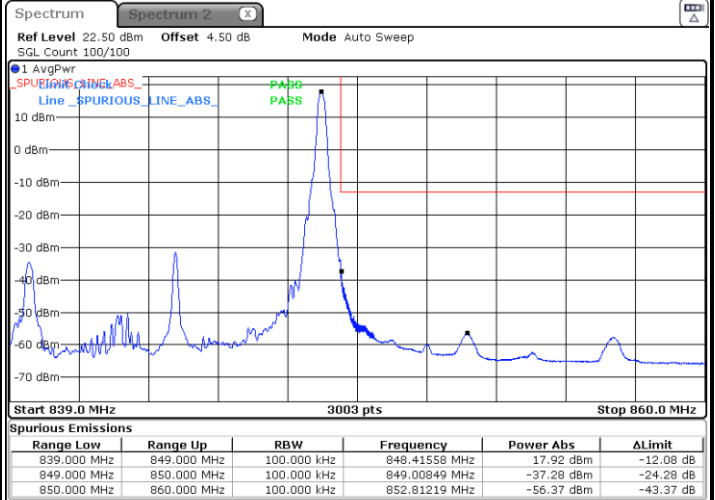
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



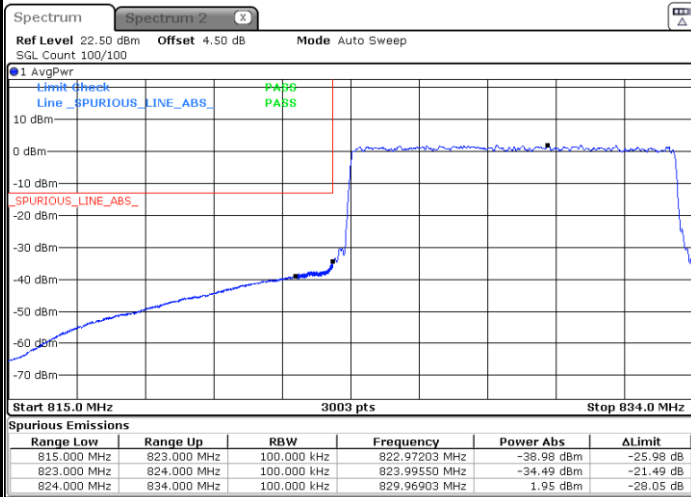
Date: 11.FEB.2020 16:28:47

Highest Band Edge / 1 RB



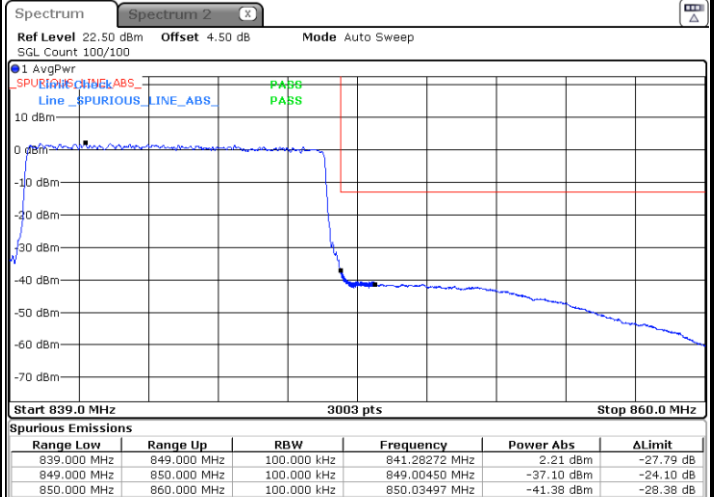
Date: 11.FEB.2020 16:34:30

Lowest Band Edge / Full RB



Date: 11.FEB.2020 16:27:09

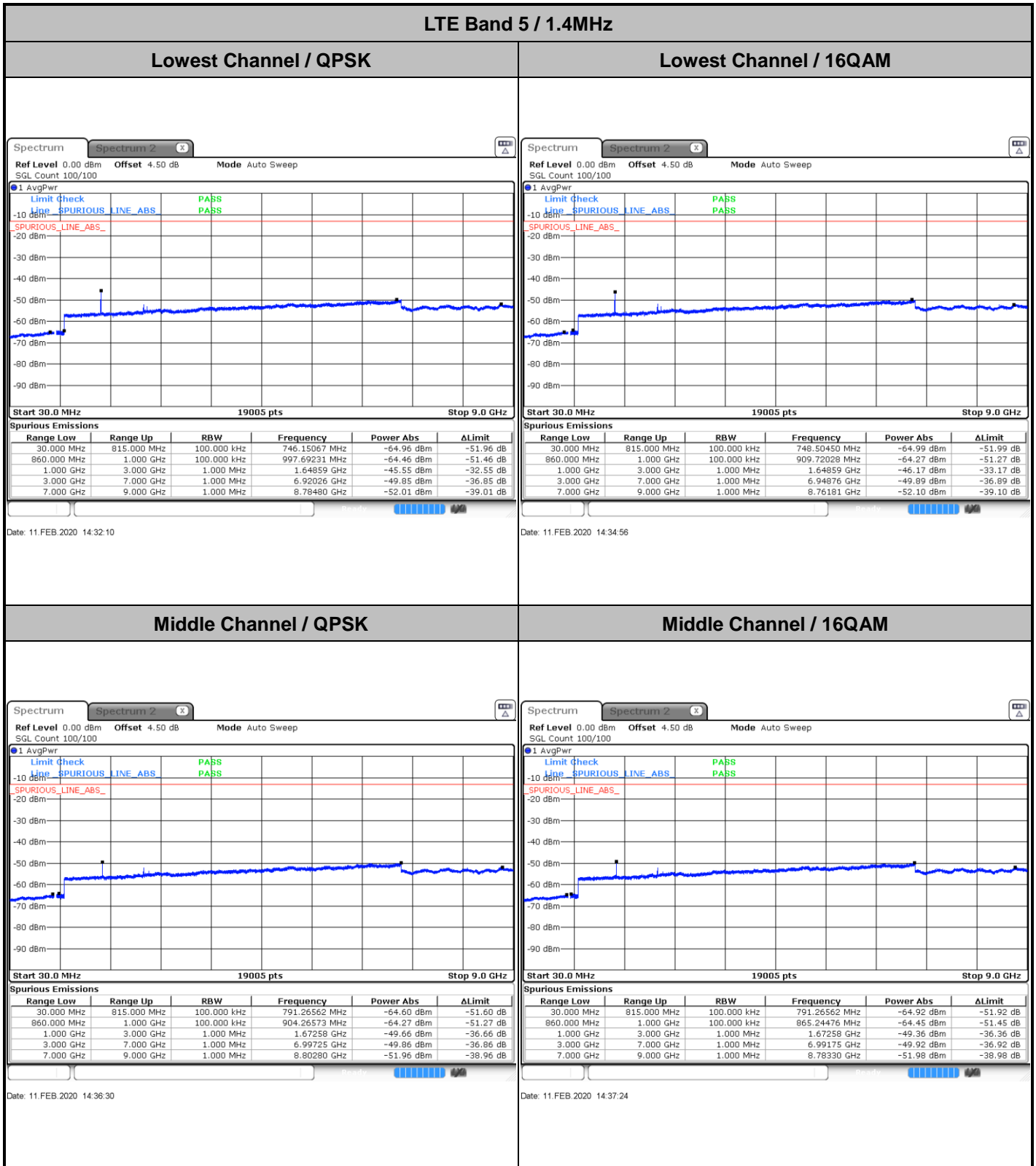
Highest Band Edge / Full RB



Date: 11.FEB.2020 16:32:53



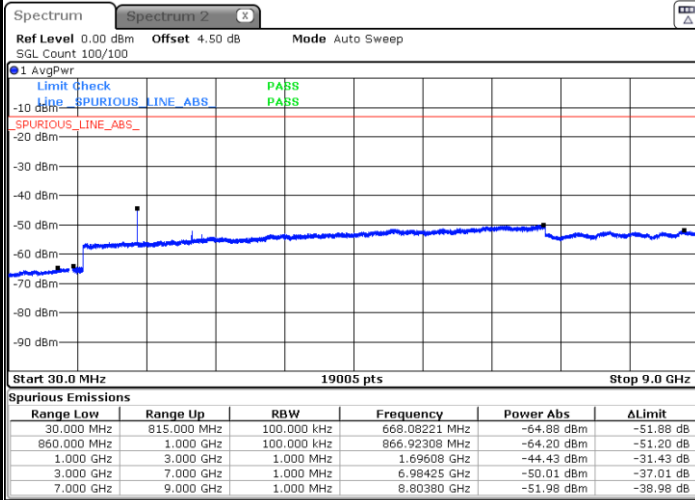
# Conducted Spurious Emission





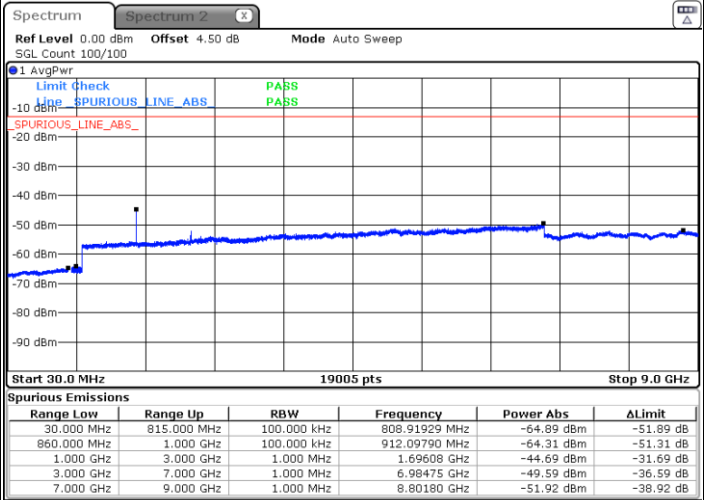
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 11.FEB 2020 14:45:29

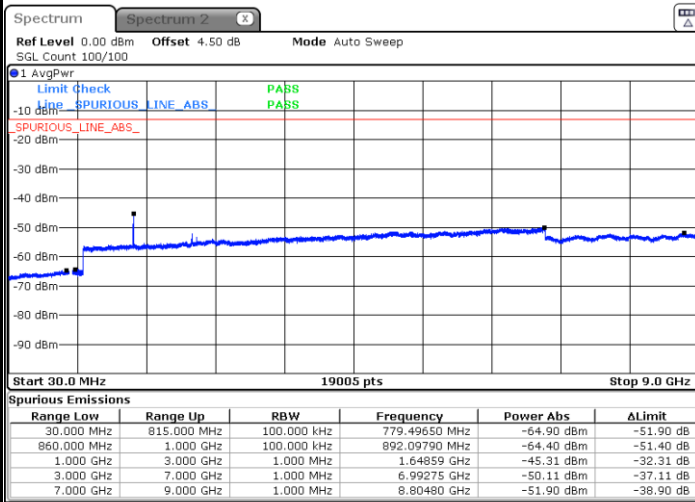
Highest Channel / 16QAM



Date: 11.FEB 2020 14:46:23

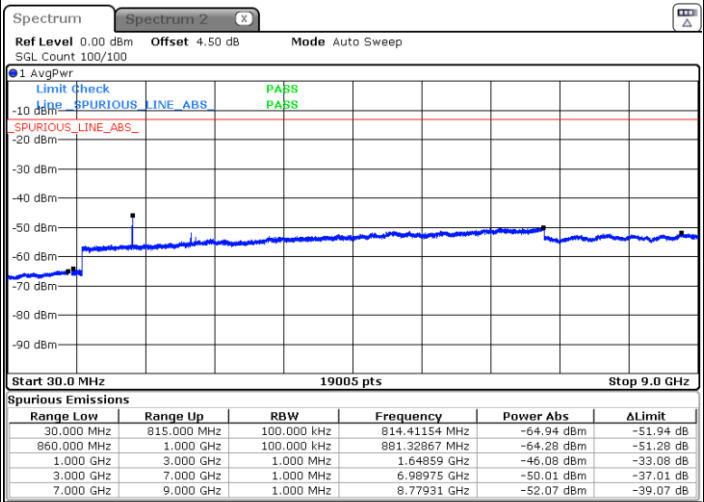
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 11.FEB 2020 14:54:27

Lowest Channel / 16QAM



Date: 11.FEB 2020 14:55:21

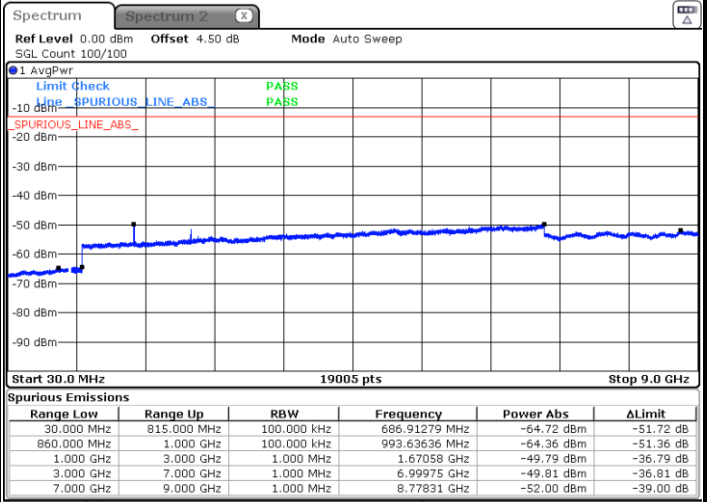
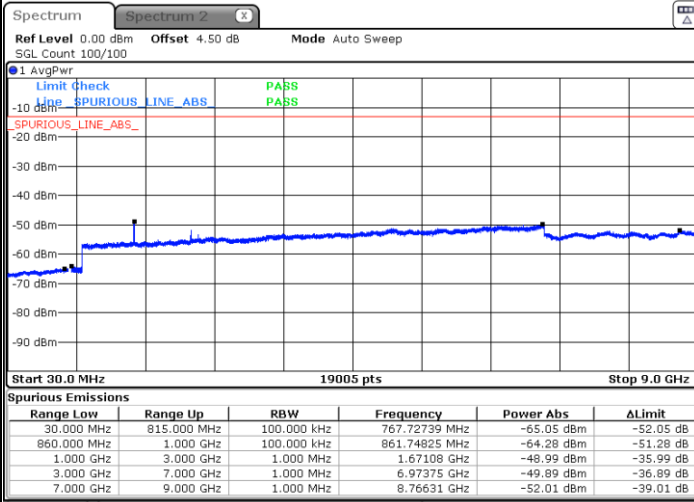




LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

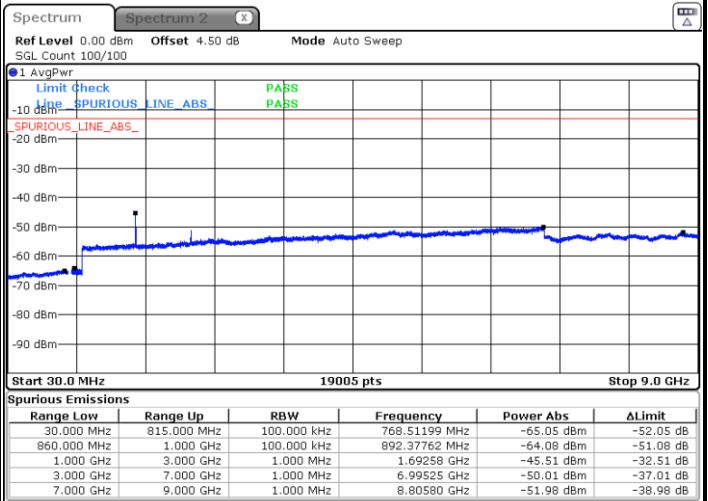
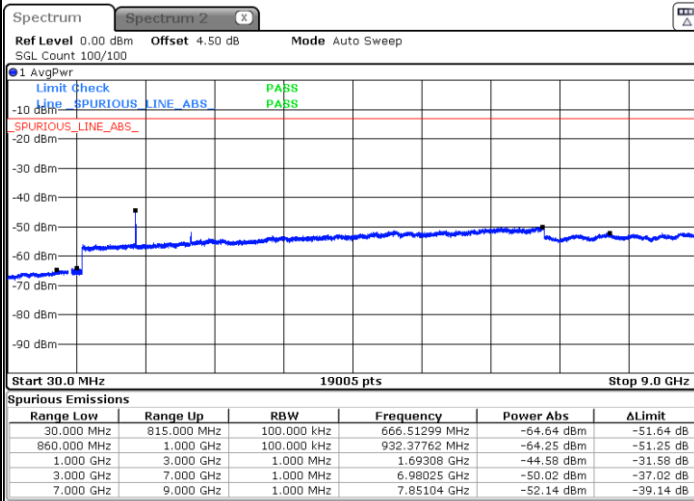


Date: 11.FEB.2020 14:56:56

Date: 11.FEB.2020 14:57:50

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.FEB.2020 15:05:55

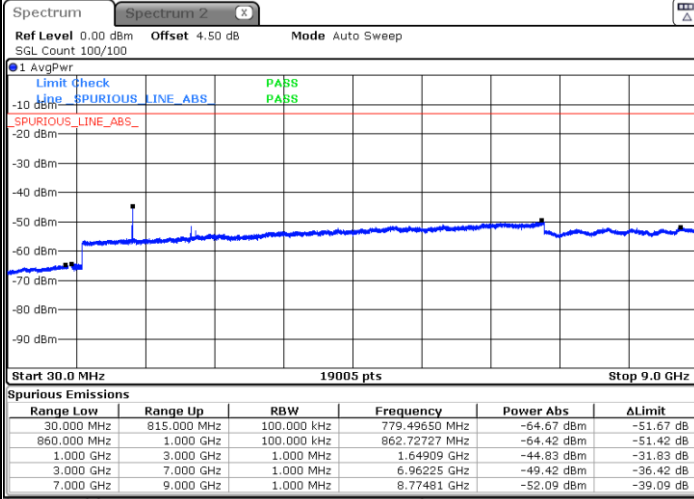
Date: 11.FEB.2020 15:06:49



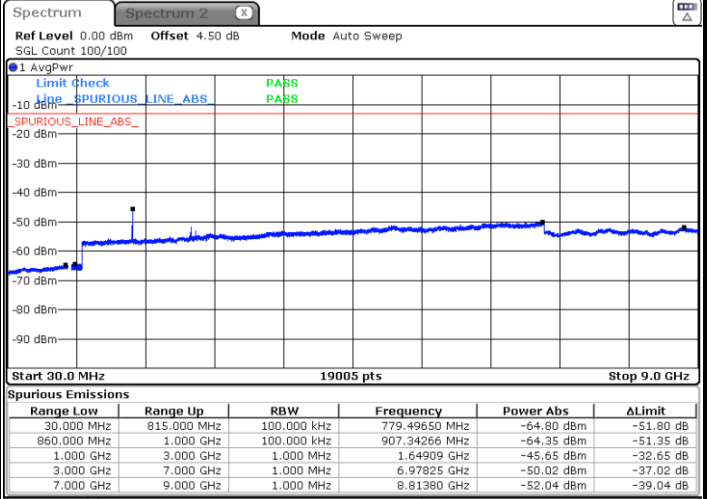
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



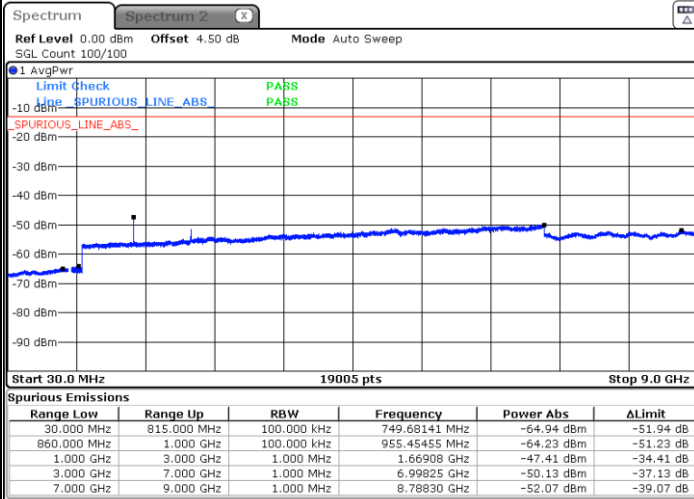
Date: 11.FEB.2020 15:14:53



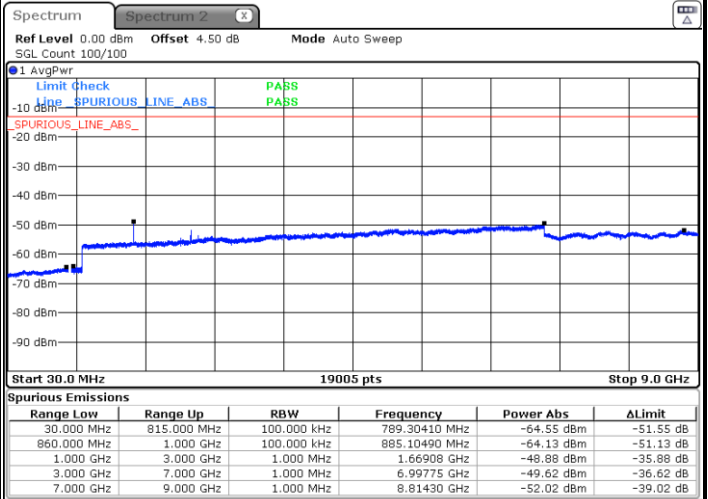
Date: 11.FEB.2020 15:15:48

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 11.FEB.2020 15:17:22

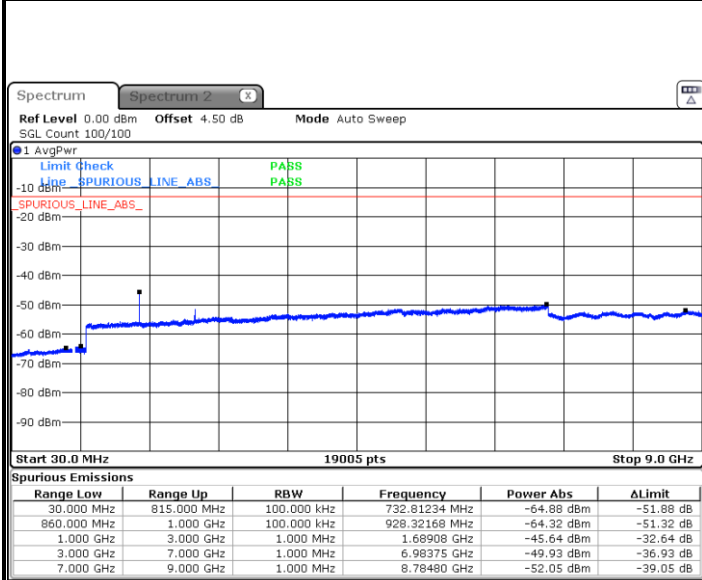


Date: 11.FEB.2020 15:18:17



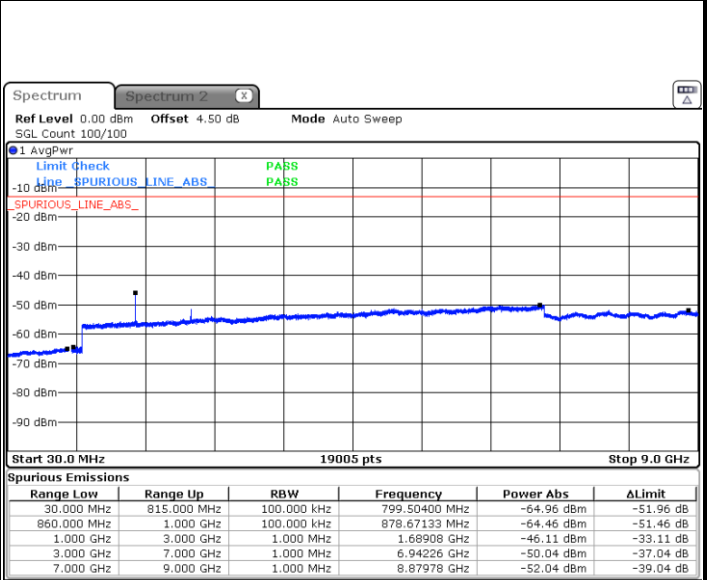
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 11.FEB 2020 15:26:21

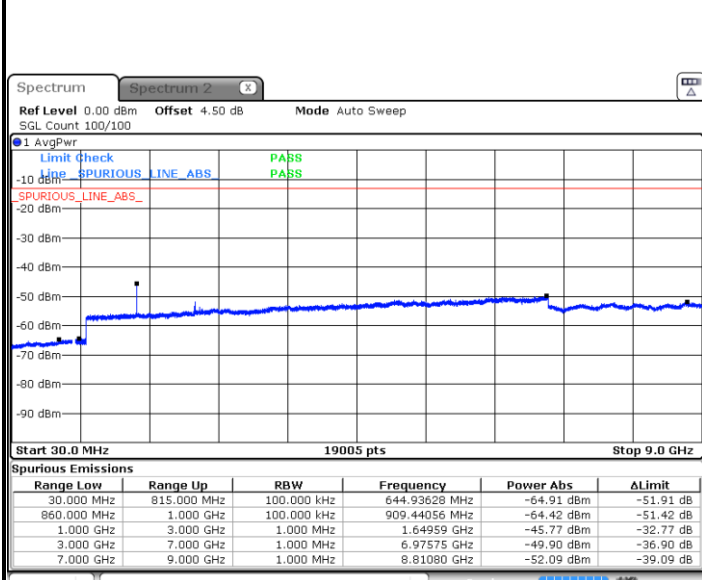
Highest Channel / 16QAM



Date: 11.FEB 2020 15:27:15

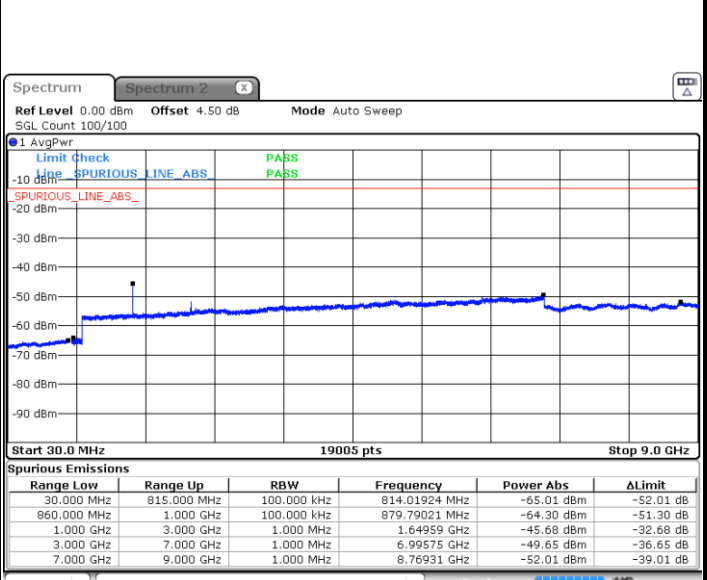
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 11.FEB 2020 15:35:20

Lowest Channel / 16QAM

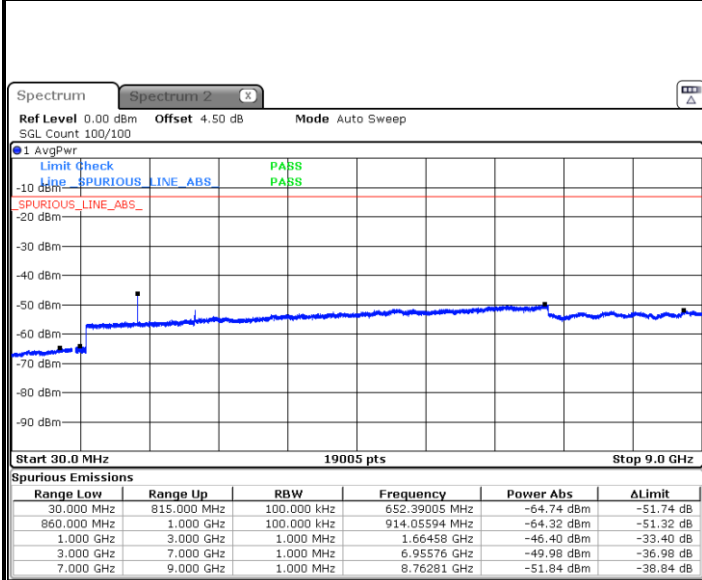


Date: 11.FEB 2020 15:36:14



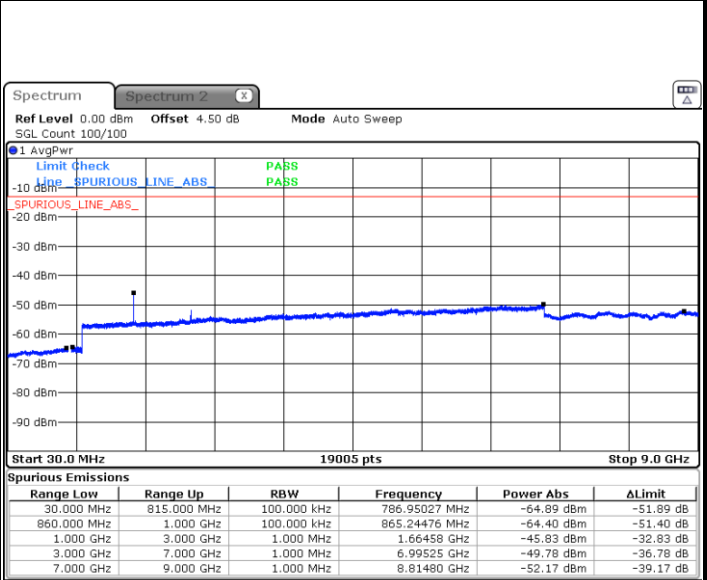
LTE Band 5 / 10MHz

Middle Channel / QPSK



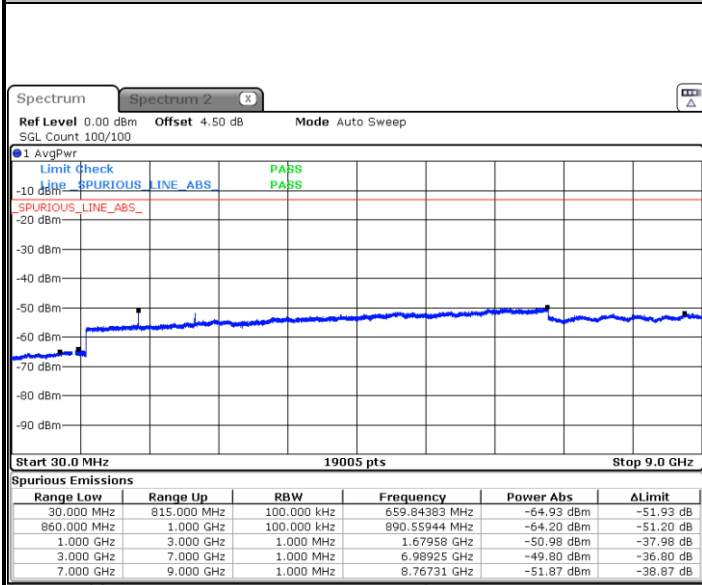
Date: 11.FEB.2020 15:37:48

Middle Channel / 16QAM



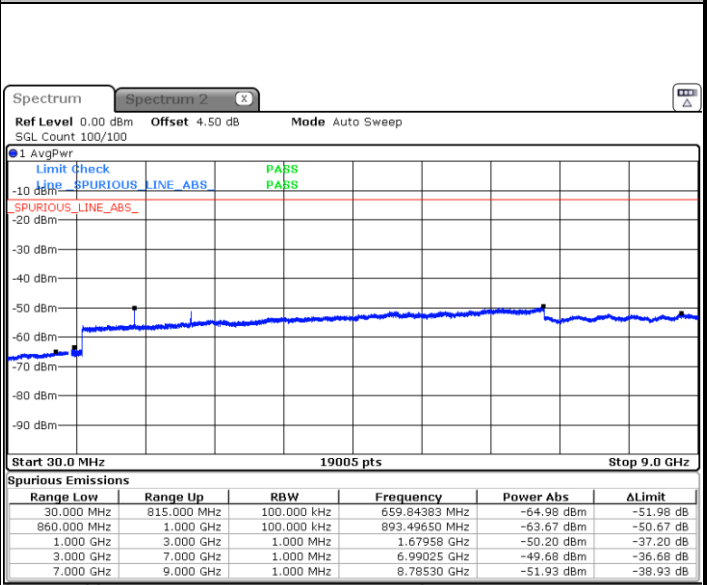
Date: 11.FEB.2020 15:38:43

Highest Channel / QPSK



Date: 11.FEB.2020 15:46:47

Highest Channel / 16QAM



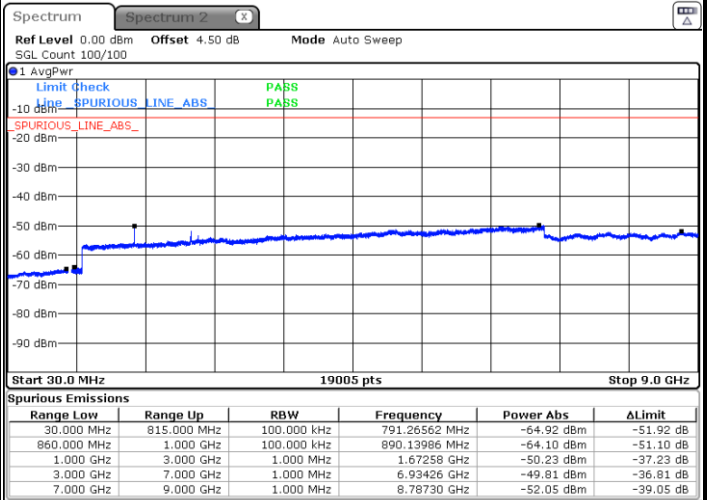
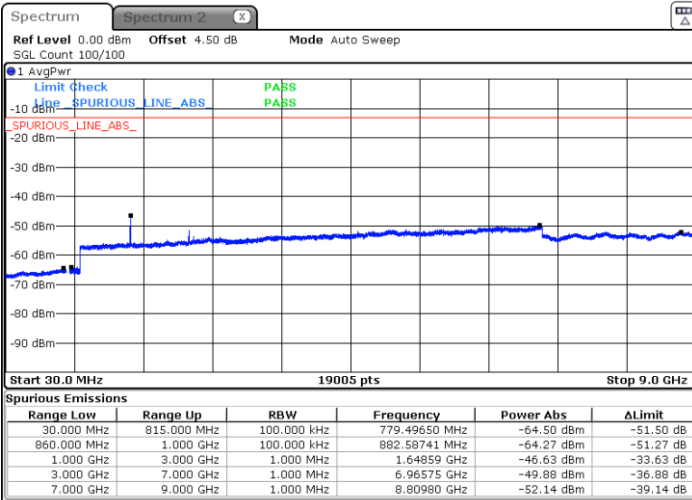
Date: 11.FEB.2020 15:47:41



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

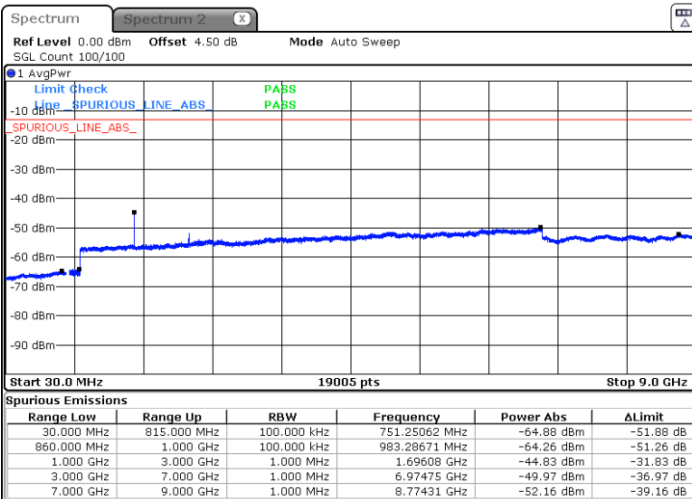
Middle Channel / 64QAM



Date: 11.FEB.2020 15:59:01

Date: 11.FEB.2020 15:59:55

Highest Channel / 64QAM



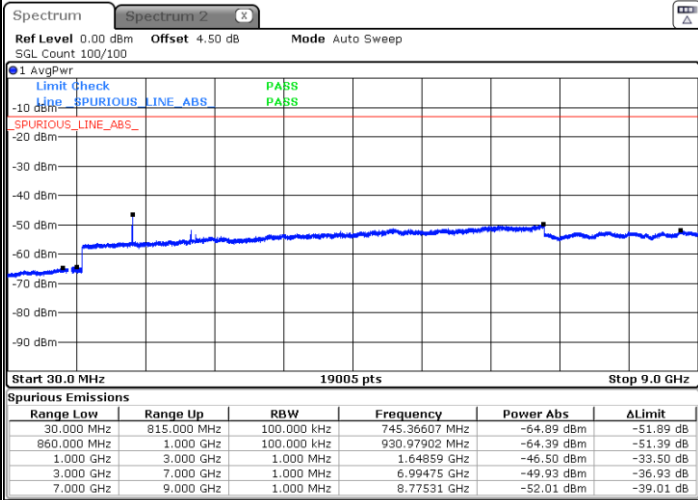
Date: 11.FEB.2020 16:04:45



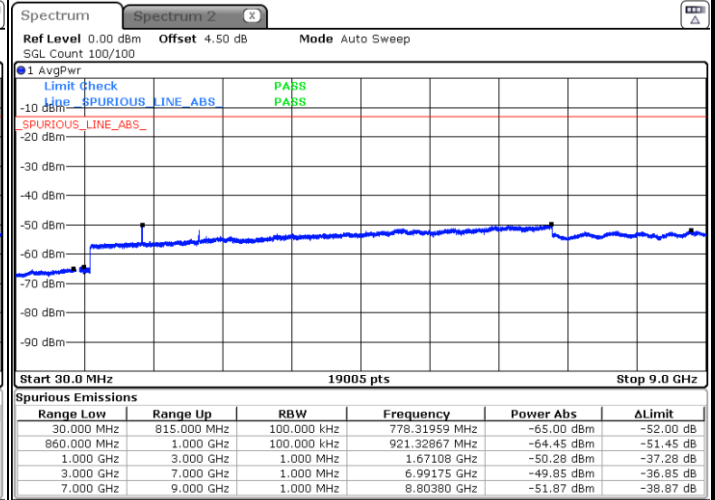
LTE Band 5 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

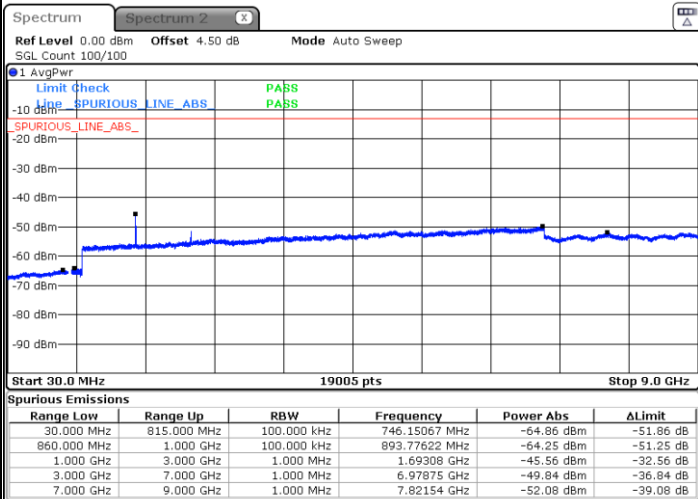


Date: 11.FEB.2020 16:09:14



Date: 11.FEB.2020 16:10:08

Highest Channel / 64QAM

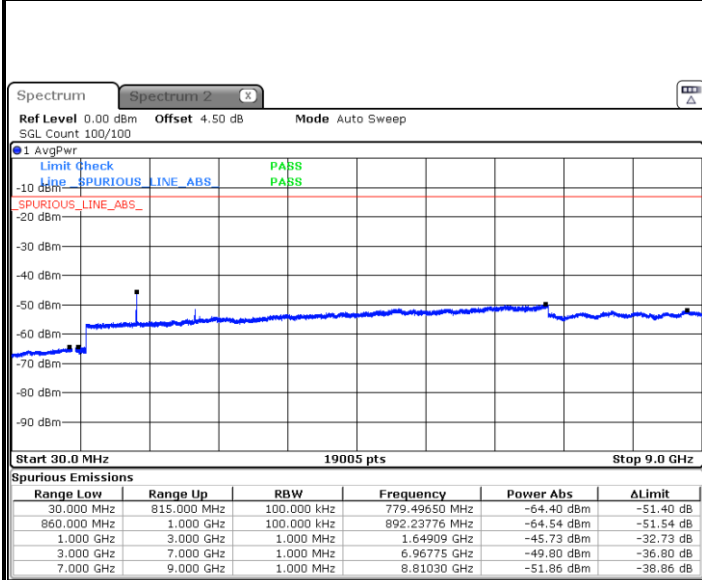


Date: 11.FEB.2020 16:14:58



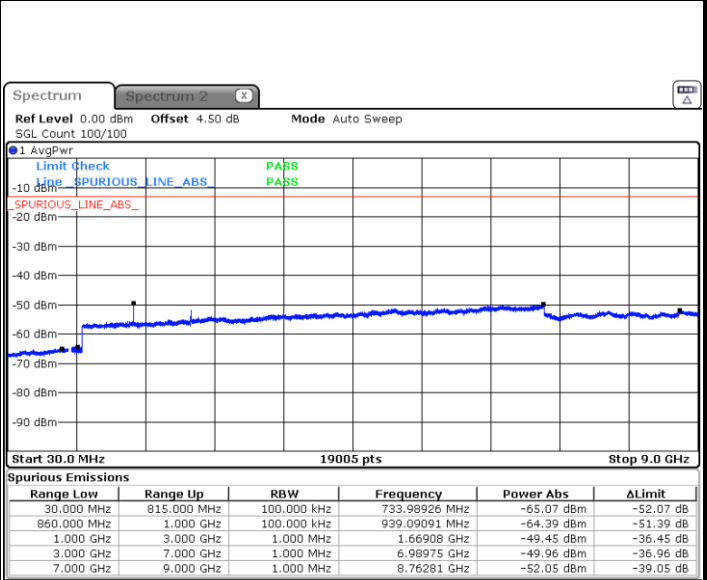
**LTE Band 5 / 5MHz**

**Lowest Channel / 64QAM**



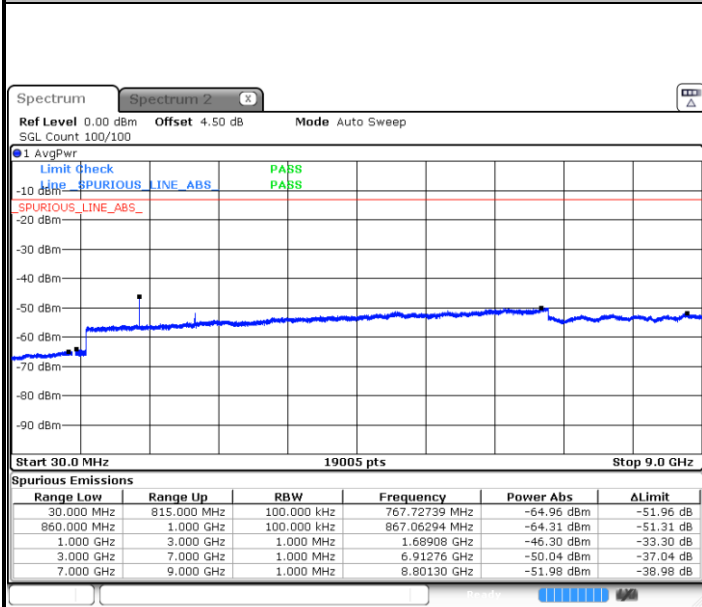
Date: 11.FEB.2020 16:19:27

**Middle Channel / 64QAM**



Date: 11.FEB.2020 16:20:21

**Highest Channel / 64QAM**

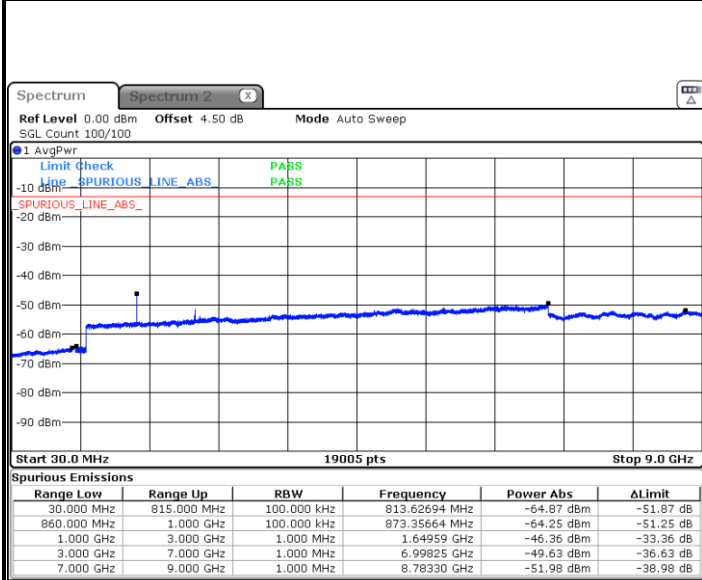


Date: 11.FEB.2020 16:25:11



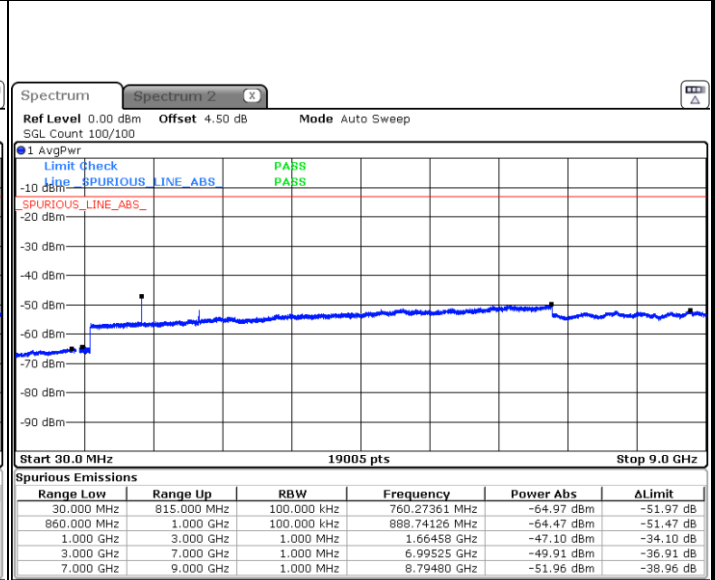
**LTE Band 5 / 10MHz**

**Lowest Channel / 64QAM**



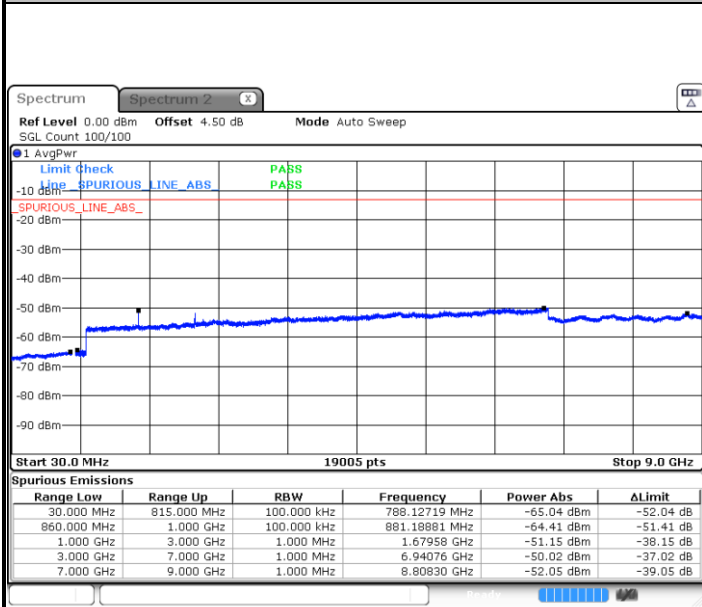
Date: 11.FEB.2020 16:29:40

**Middle Channel / 64QAM**



Date: 11.FEB.2020 16:30:34

**Highest Channel / 64QAM**



Date: 11.FEB.2020 16:35:24





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



# LTE Band 7

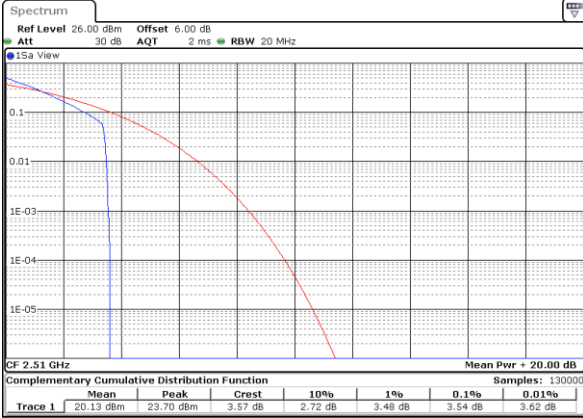
## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.64	5.36	6.00	<b>PASS</b>
Middle CH	3.57	4.43	4.99	5.91	
Highest CH	3.54	4.41	5.25	5.94	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.30	5.97			<b>PASS</b>
Middle CH	5.54	5.83			
Highest CH	5.30	5.86			



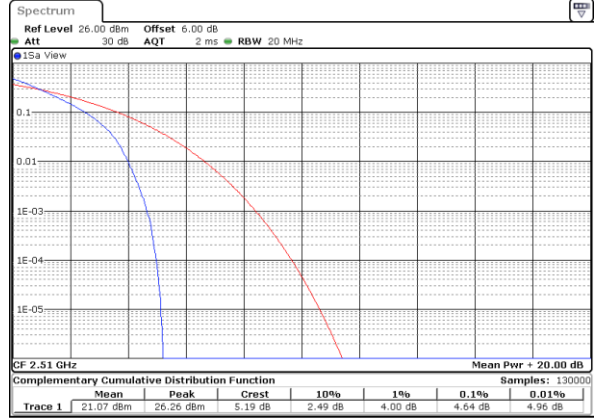
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



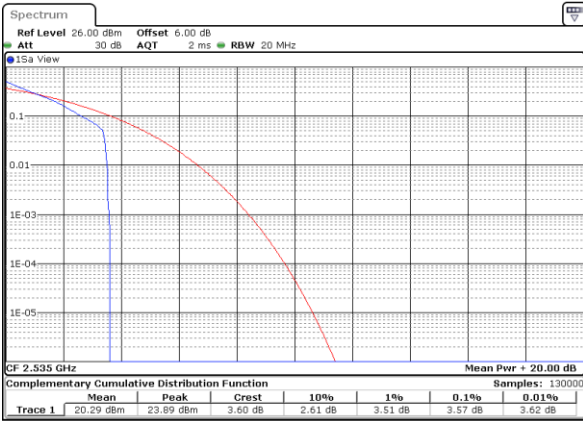
Date: 11 FEB 2020 13:00:04

Lowest Channel / Full RB



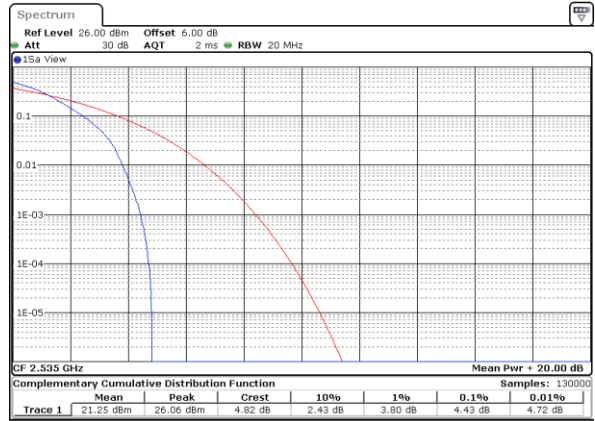
Date: 11 FEB 2020 13:00:14

Middle Channel / 1RB



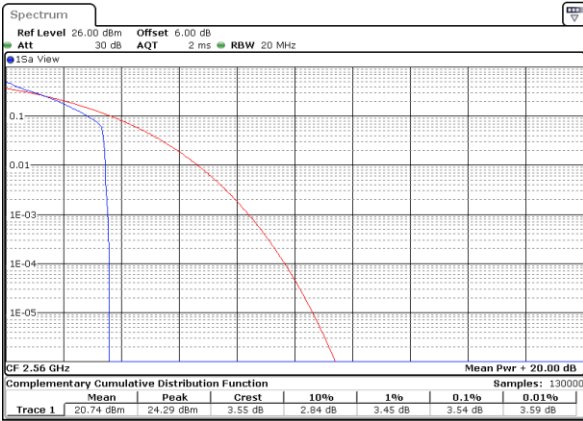
Date: 11 FEB 2020 13:01:04

Middle Channel / Full RB



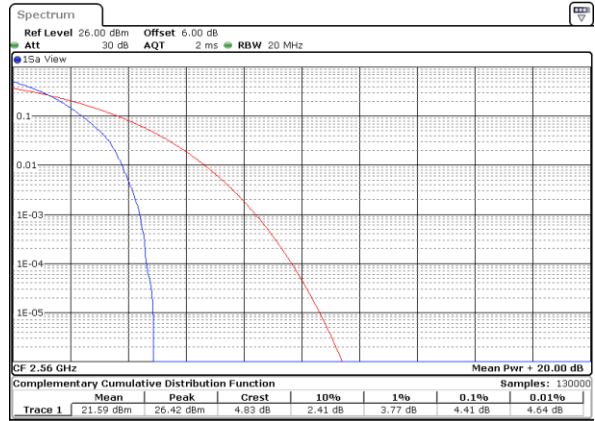
Date: 11 FEB 2020 13:00:54

Highest Channel / 1RB



Date: 11 FEB 2020 13:01:38

Highest Channel / Full RB



Date: 11 FEB 2020 13:01:48



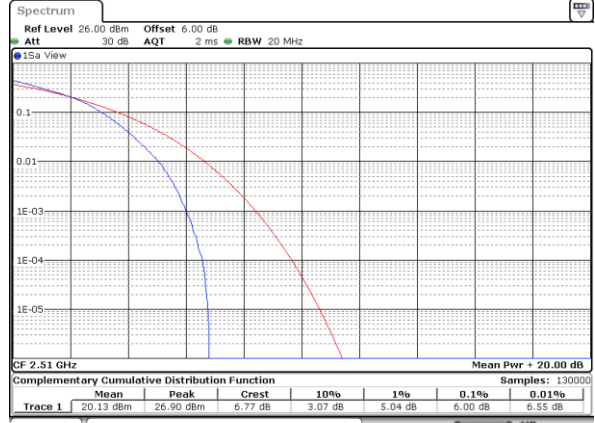
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



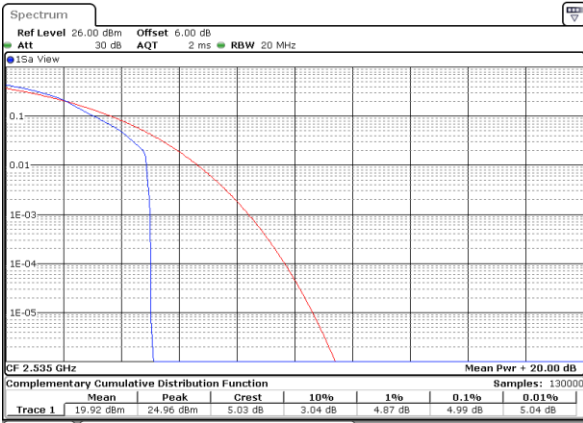
Date: 11 FEB 2020 12:59:54

Lowest Channel / Full RB



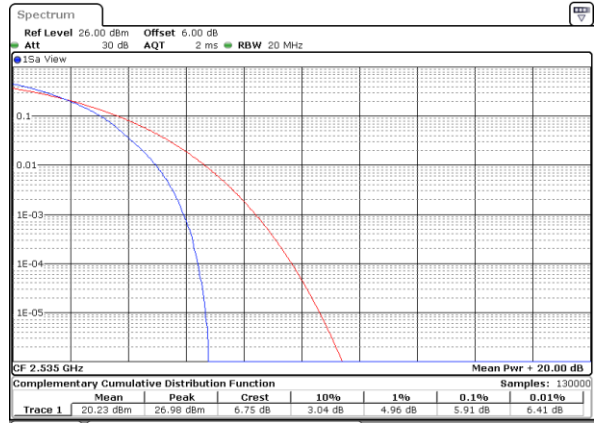
Date: 11 FEB 2020 13:00:27

Middle Channel / 1RB



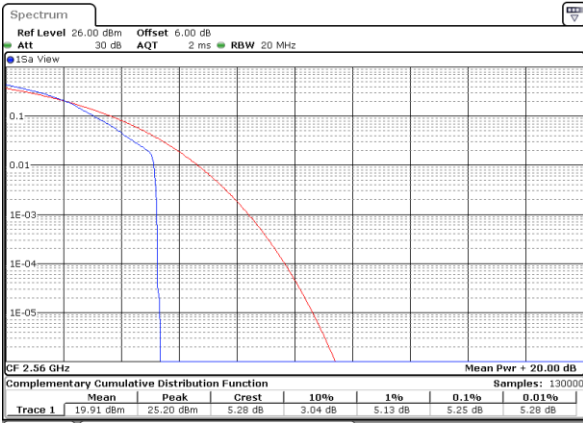
Date: 11 FEB 2020 13:01:15

Middle Channel / Full RB



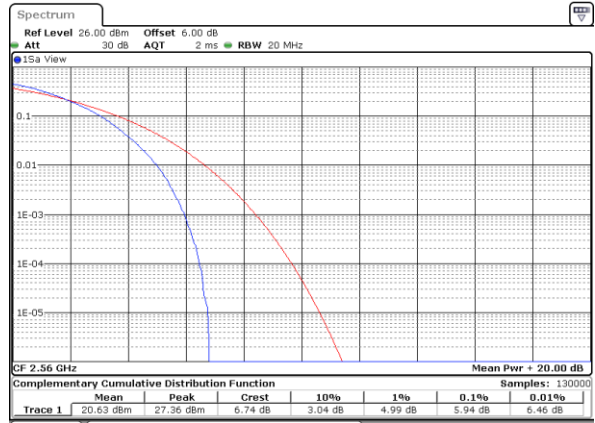
Date: 11 FEB 2020 13:00:39

Highest Channel / 1RB



Date: 11 FEB 2020 13:01:25

Highest Channel / Full RB



Date: 11 FEB 2020 13:02:02