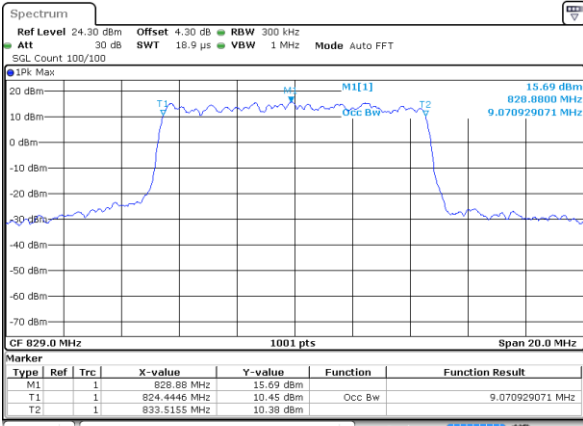




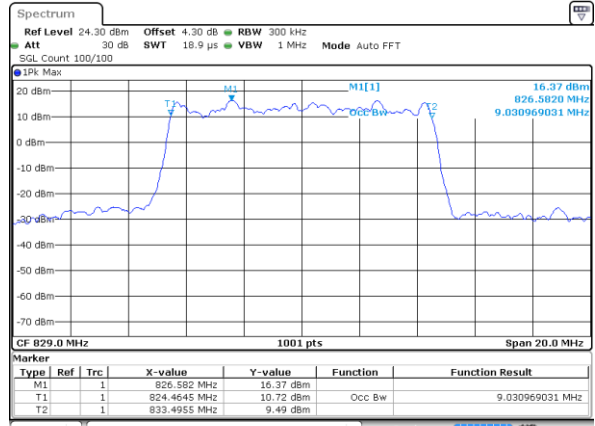
LTE Band 5

Lowest Channel / 10MHz / QPSK



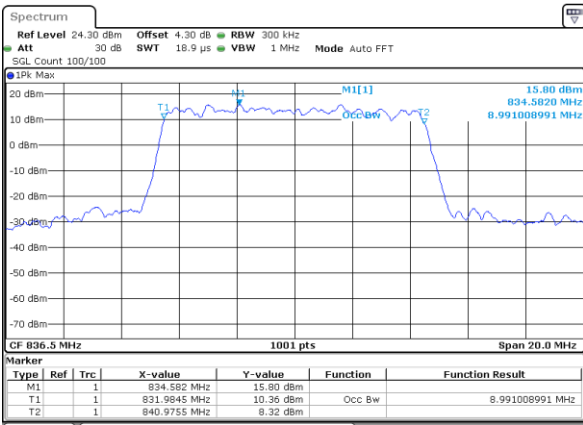
Date: 4 DEC 2019 18:51:09

Lowest Channel / 10MHz / 16QAM



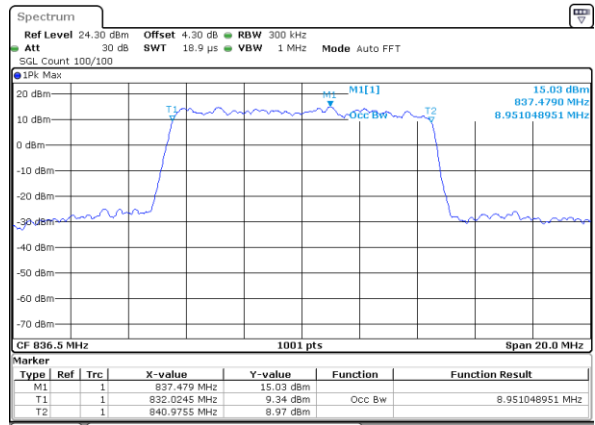
Date: 4 DEC 2019 18:51:19

Middle Channel / 10MHz / QPSK



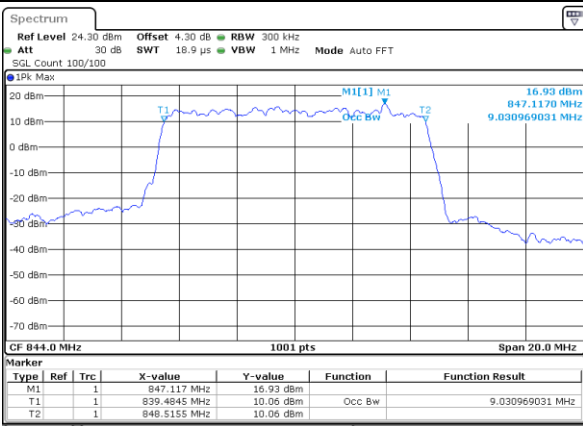
Date: 4 DEC 2019 19:00:09

Middle Channel / 10MHz / 16QAM



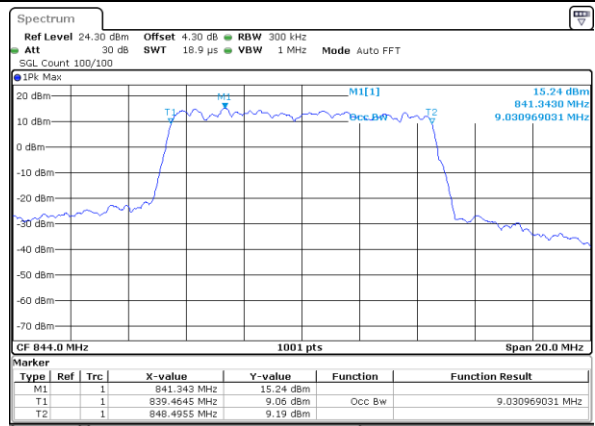
Date: 4 DEC 2019 19:00:19

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 19:02:36

Highest Channel / 10MHz / 16QAM

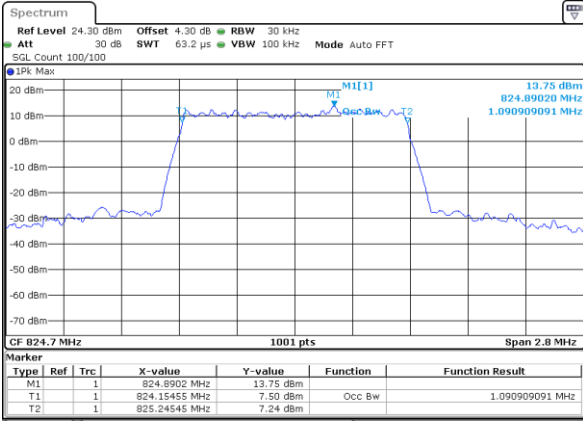


Date: 4 DEC 2019 19:02:46



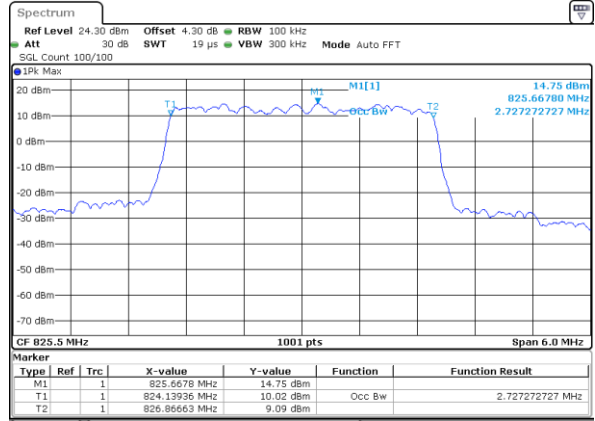
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



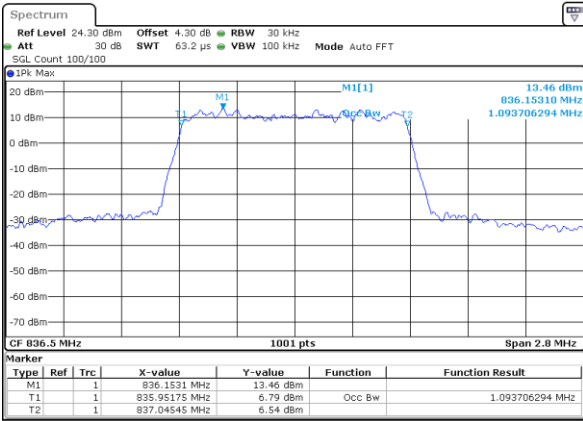
Date: 4 DEC 2019 19:15:45

Lowest Channel / 3MHz / 64QAM



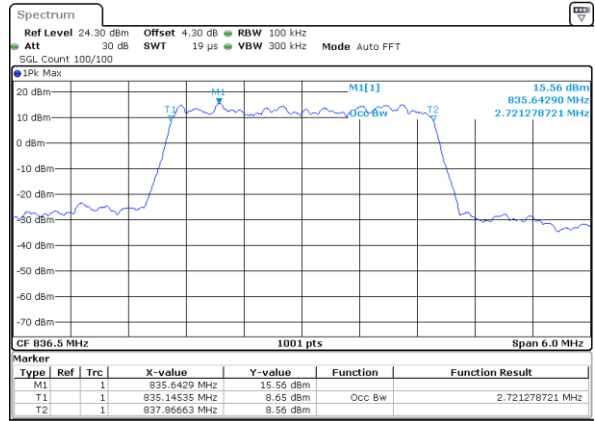
Date: 4 DEC 2019 19:25:59

Middle Channel / 1.4MHz / 64QAM



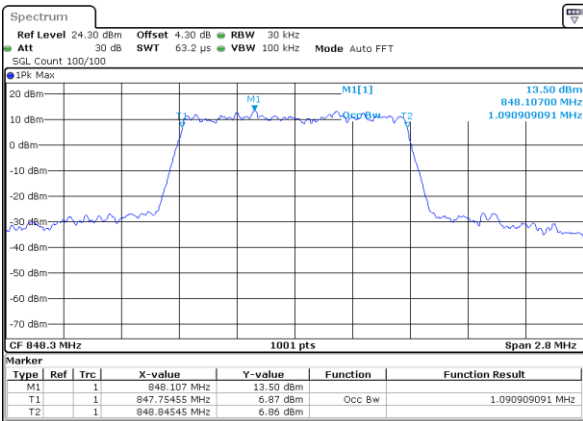
Date: 4 DEC 2019 19:21:09

Middle Channel / 3MHz / 64QAM



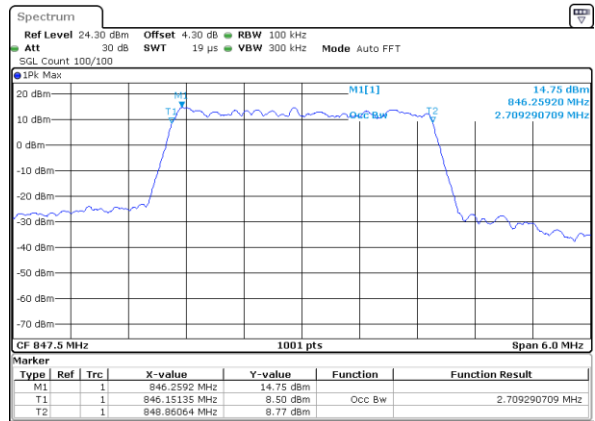
Date: 4 DEC 2019 19:31:22

Highest Channel / 1.4MHz / 64QAM



Date: 4 DEC 2019 19:21:28

Highest Channel / 3MHz / 64QAM

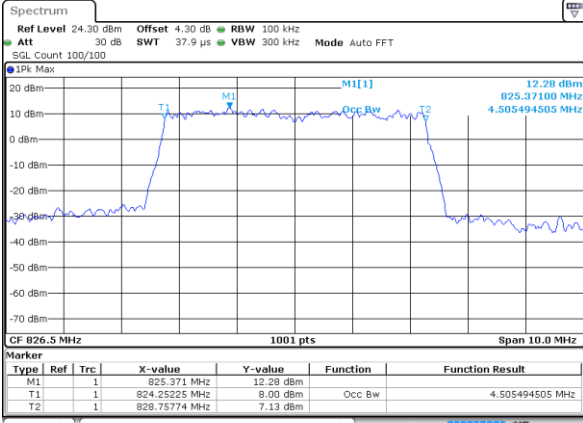


Date: 4 DEC 2019 19:31:42



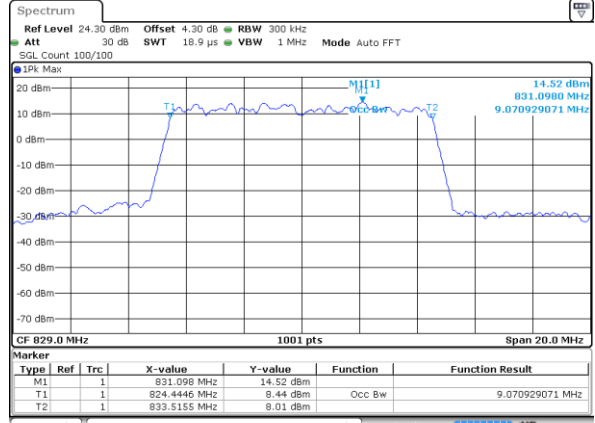
LTE Band 5

Lowest Channel / 5MHz / 64QAM



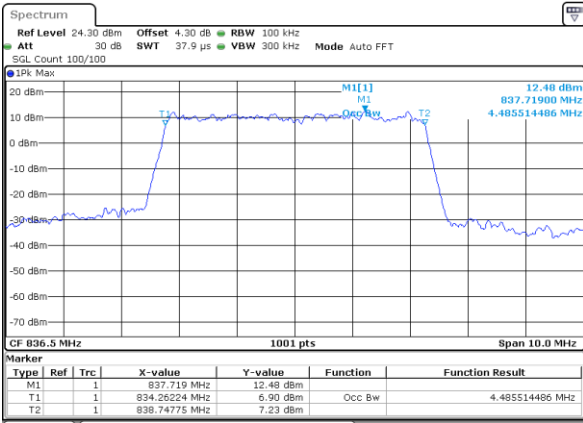
Date: 4 DEC 2019 19:36:12

Lowest Channel / 10MHz / 64QAM



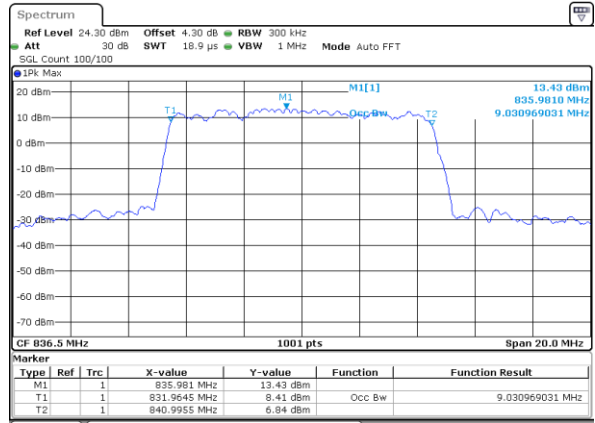
Date: 4 DEC 2019 19:46:26

Middle Channel / 5MHz / 64QAM



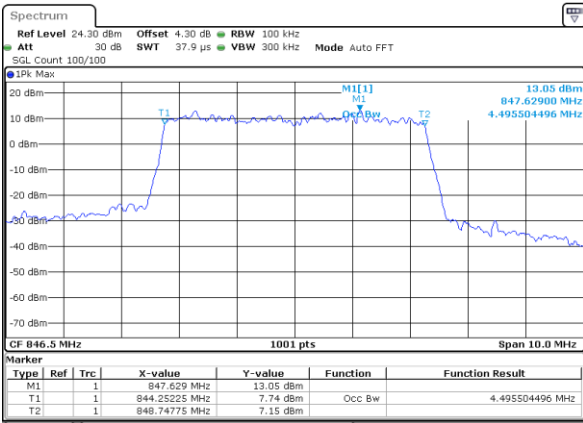
Date: 4 DEC 2019 19:41:35

Middle Channel / 10MHz / 64QAM



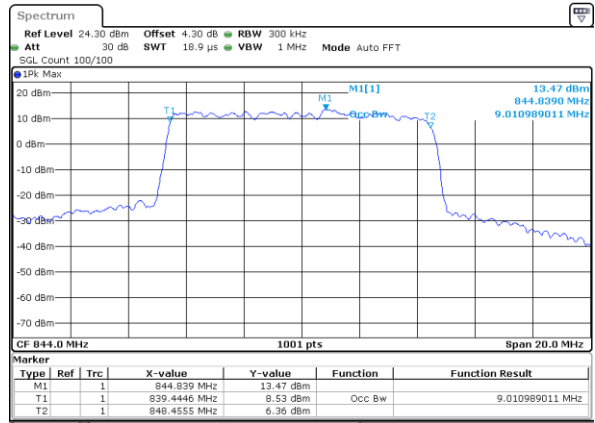
Date: 4 DEC 2019 19:51:49

Highest Channel / 5MHz / 64QAM



Date: 4 DEC 2019 19:41:55

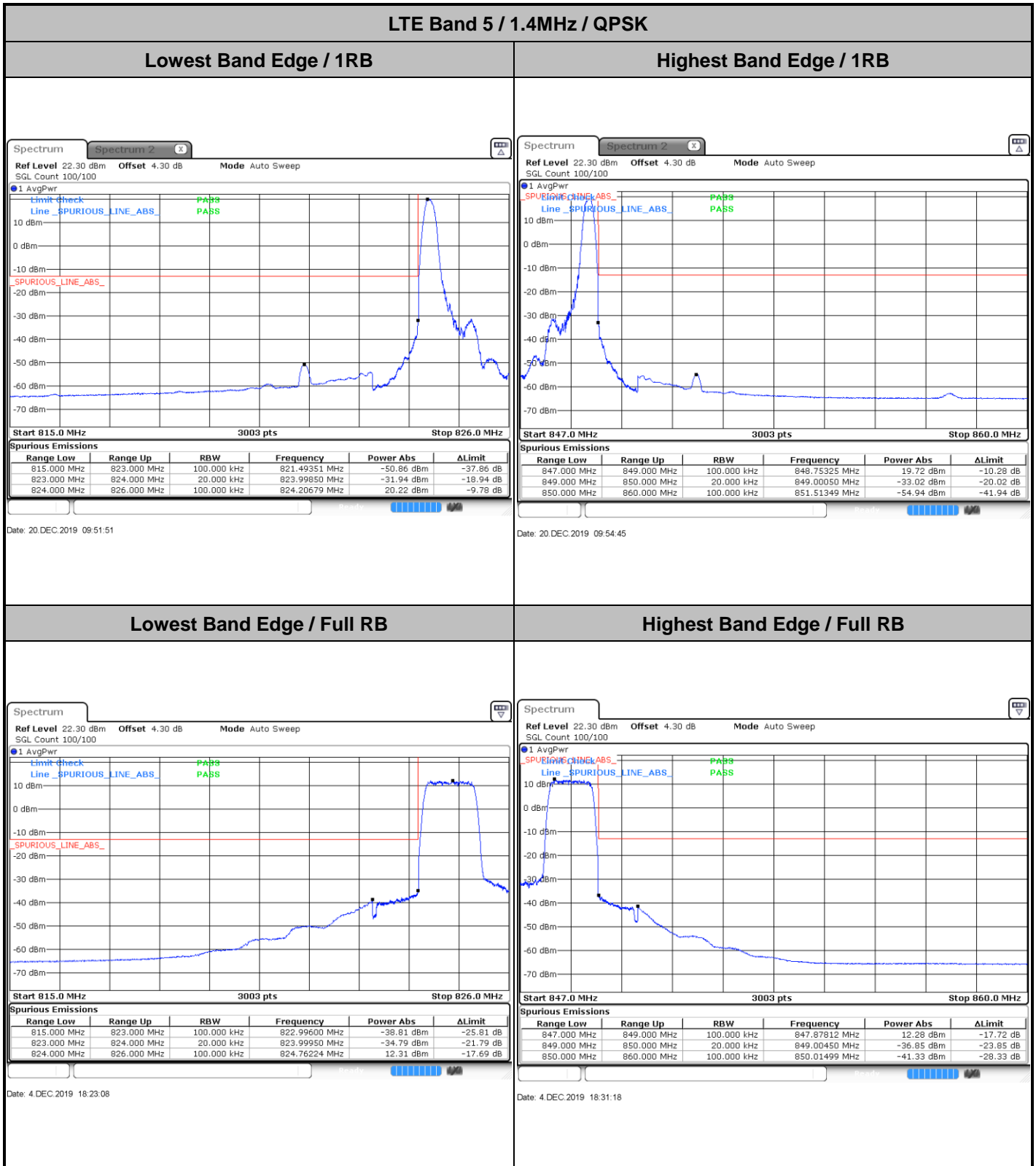
Highest Channel / 10MHz / 64QAM



Date: 4 DEC 2019 19:52:09



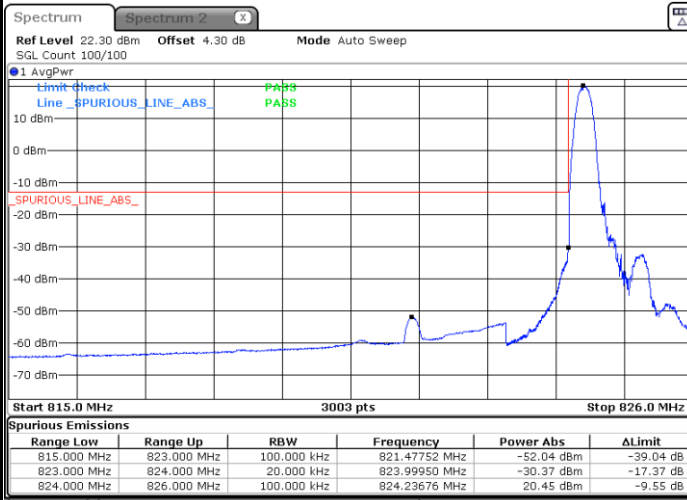
# Conducted Band Edge





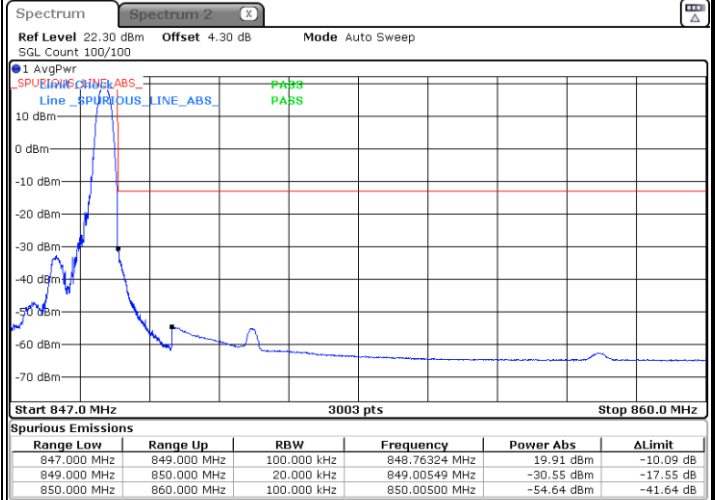
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



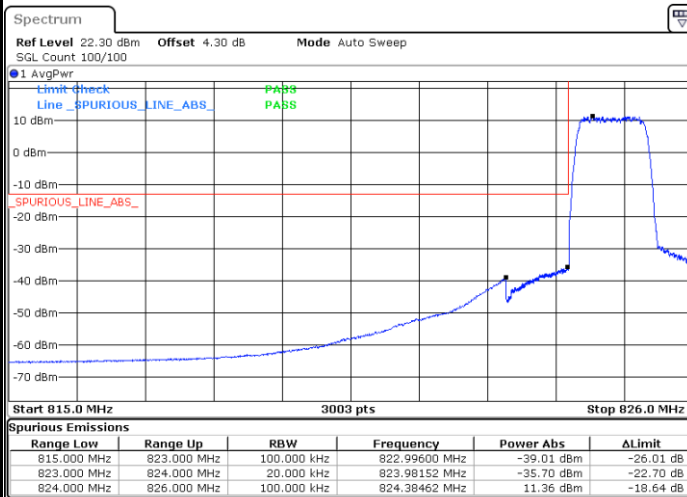
Date: 20 DEC 2019 09:53:14

Highest Band Edge / 1 RB



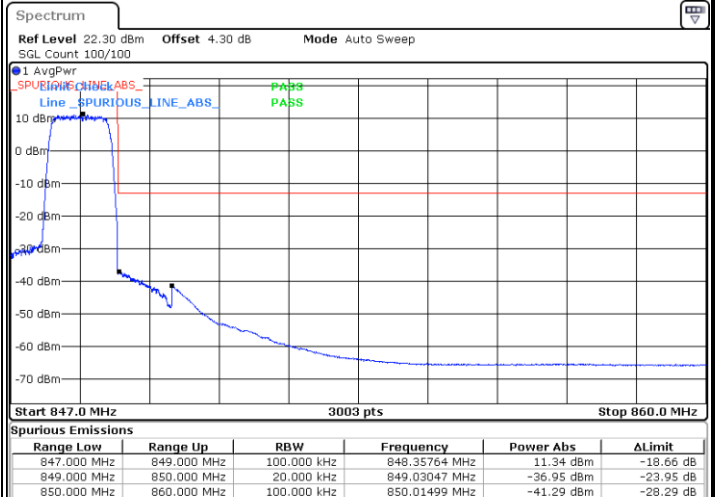
Date: 20 DEC 2019 09:57:33

Lowest Band Edge / Full RB



Date: 4 DEC 2019 18:24:47

Highest Band Edge / Full RB

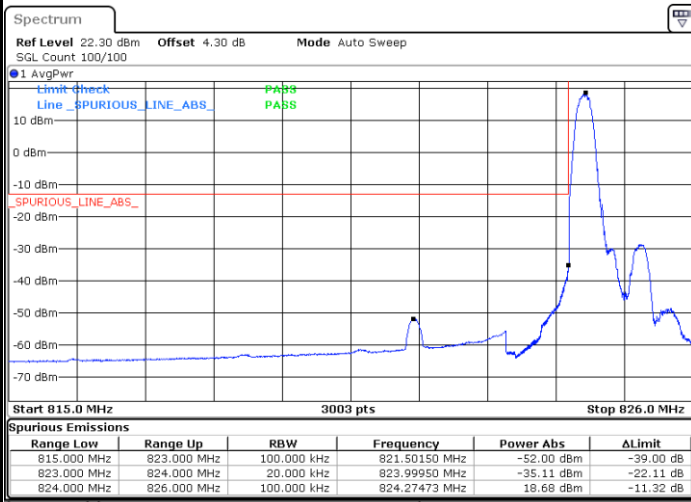


Date: 4 DEC 2019 18:32:56



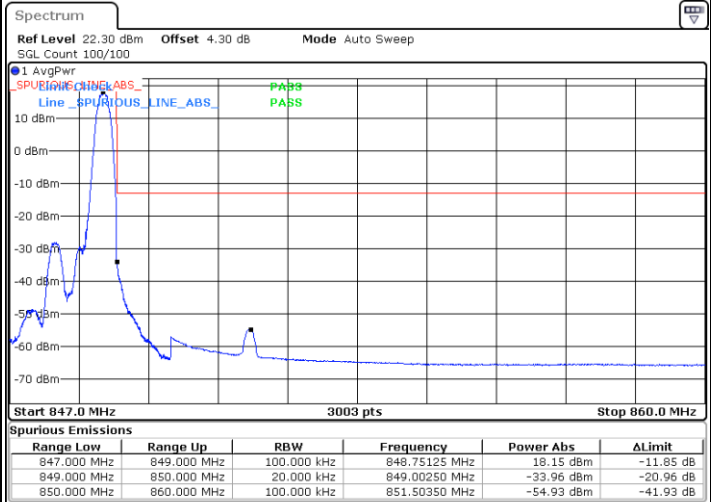
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



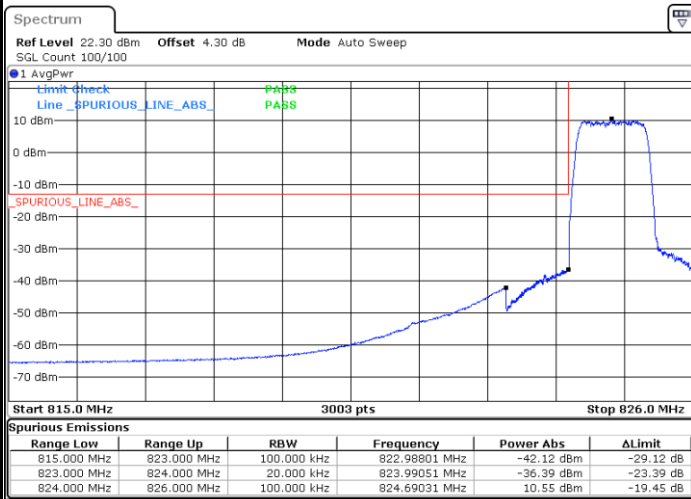
Date: 4 DEC.2019 19:19:11

Highest Band Edge / 1 RB



Date: 4 DEC.2019 19:24:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:17:33

Highest Band Edge / Full RB

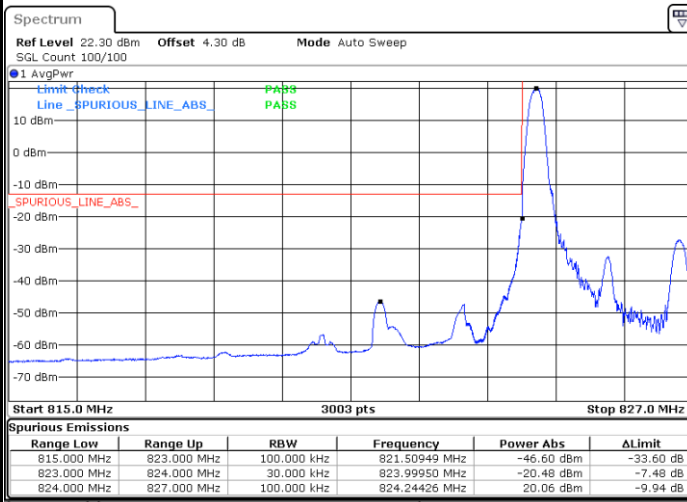


Date: 4 DEC.2019 19:23:16



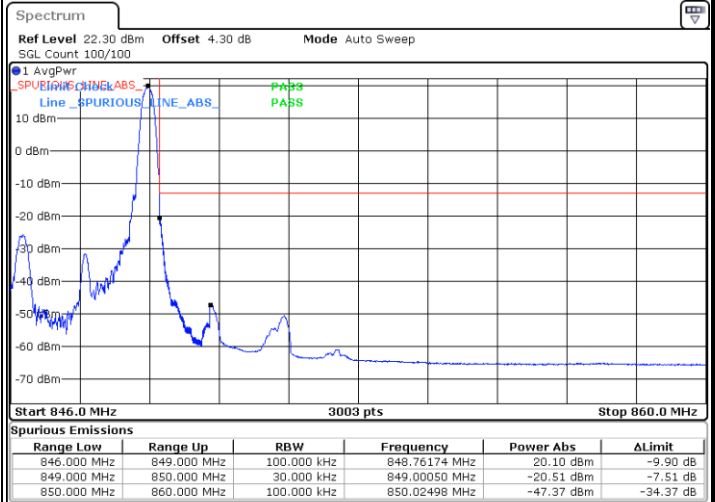
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



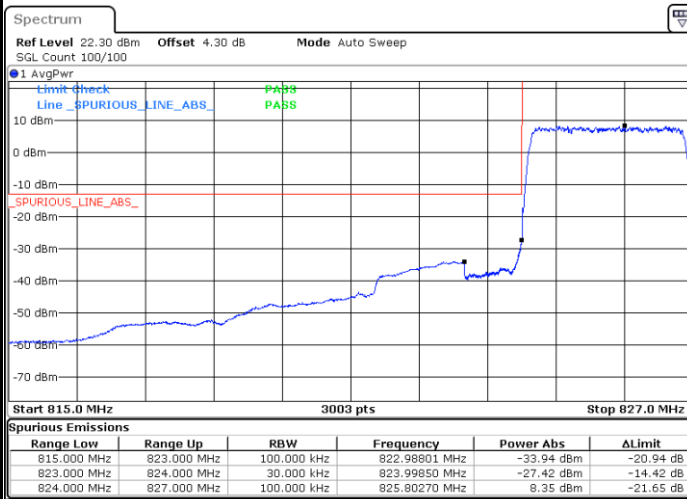
Date: 4 DEC.2019 20:02:28

Highest Band Edge / 1 RB



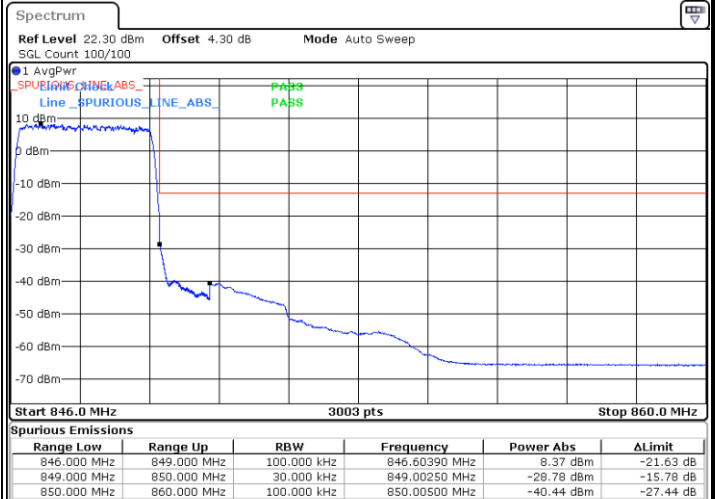
Date: 4 DEC.2019 20:13:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:05:45

Highest Band Edge / Full RB

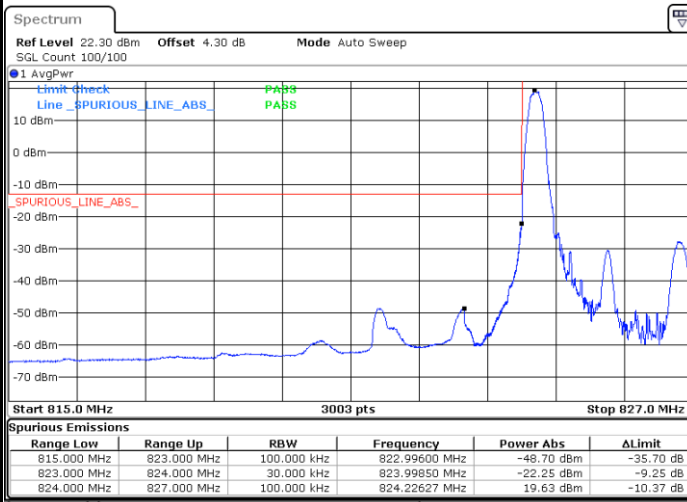


Date: 4 DEC.2019 20:17:12



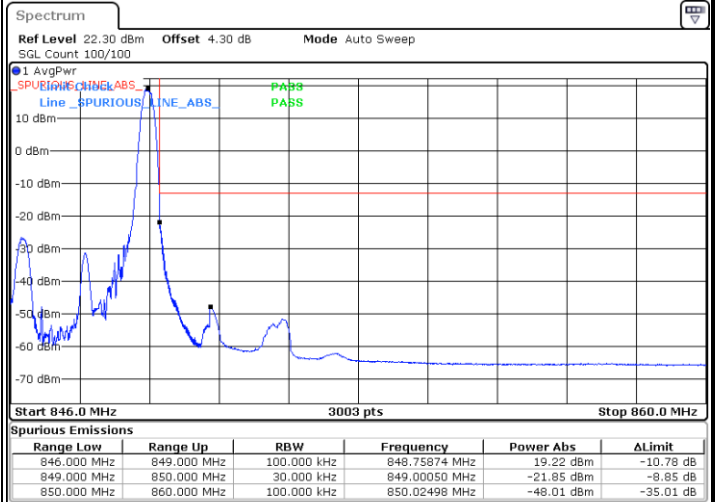
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



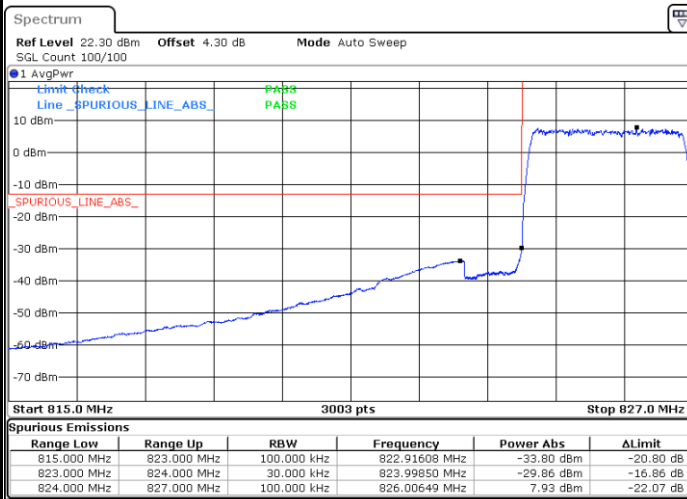
Date: 4 DEC.2019 20:04:07

Highest Band Edge / 1 RB



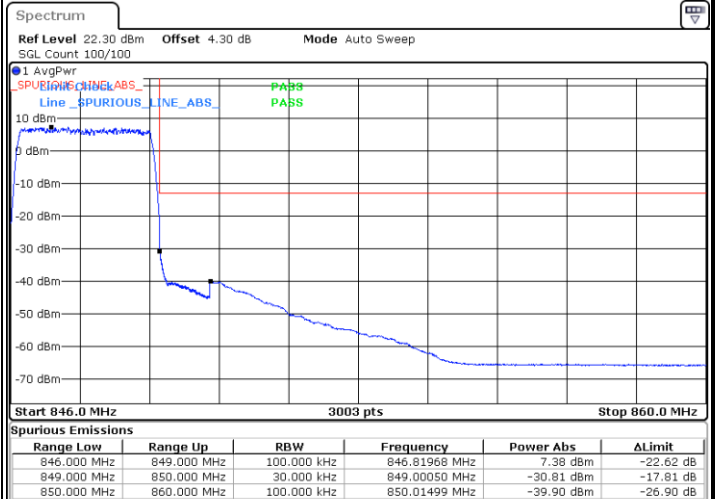
Date: 4 DEC.2019 20:15:34

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:07:24

Highest Band Edge / Full RB



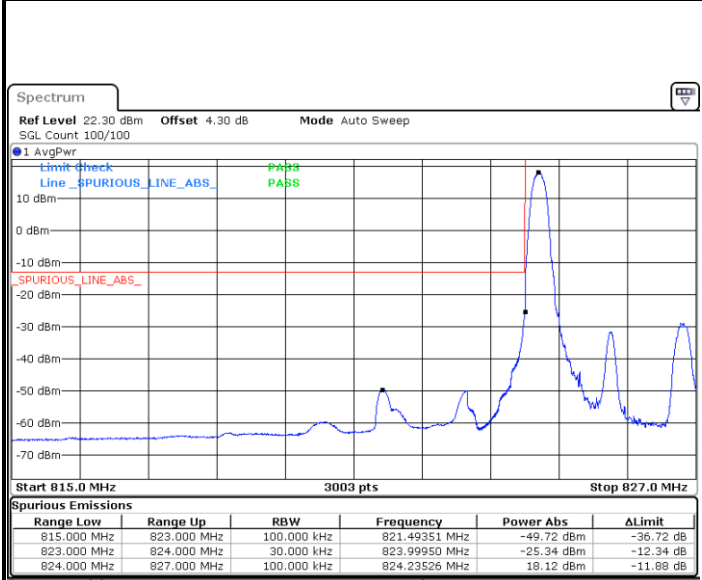
Date: 4 DEC.2019 20:18:51





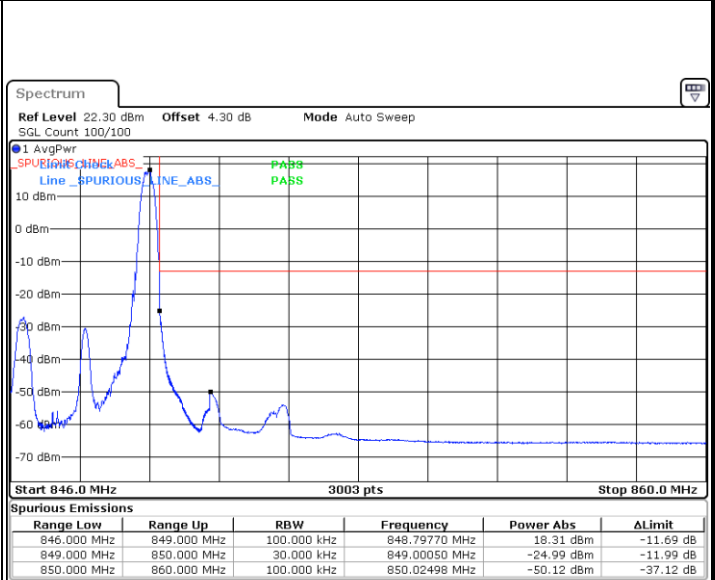
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



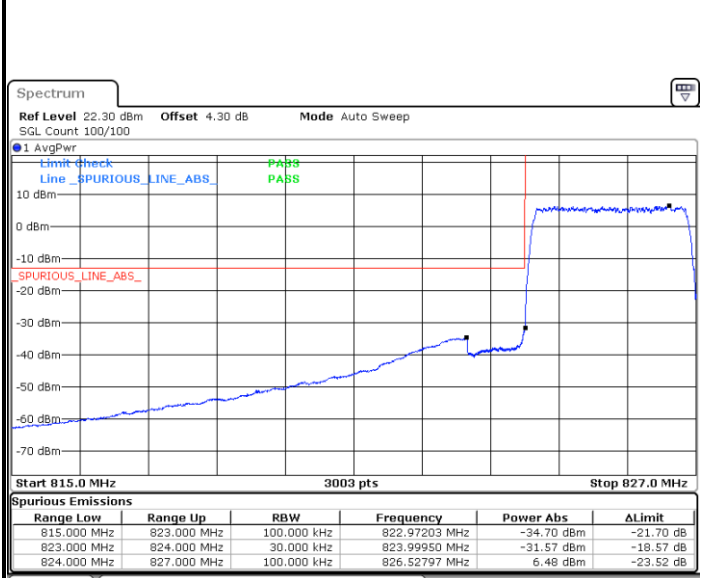
Date: 4 DEC.2019 19:29:25

Highest Band Edge / 1 RB



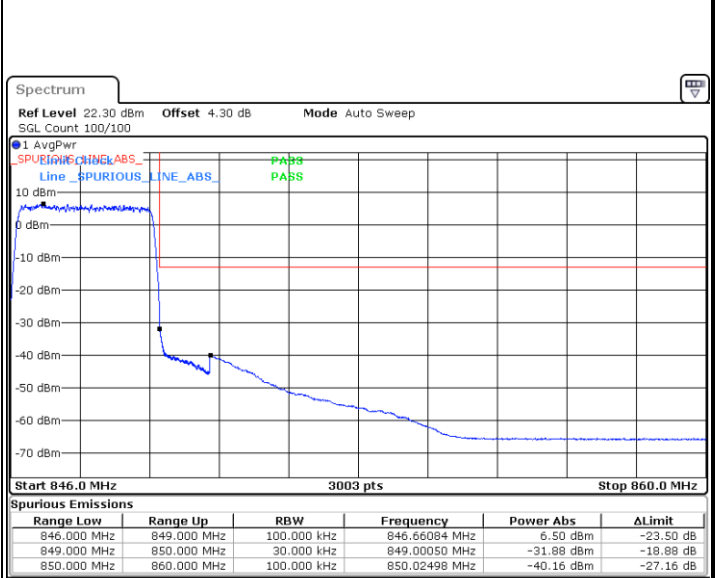
Date: 4 DEC.2019 19:35:08

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:27:47

Highest Band Edge / Full RB

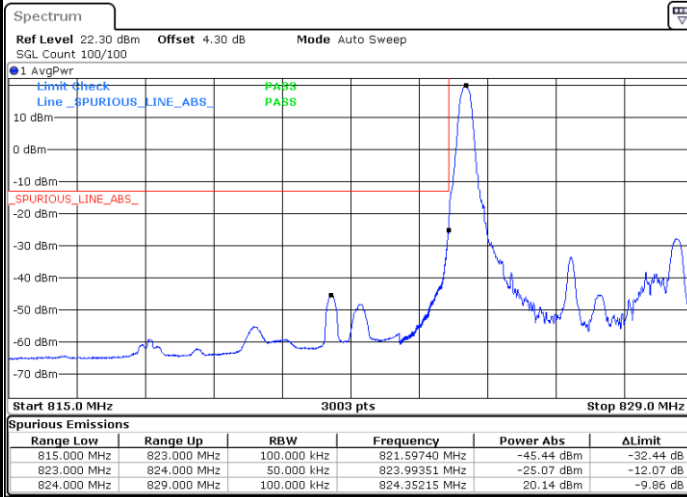


Date: 4 DEC.2019 19:33:30



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



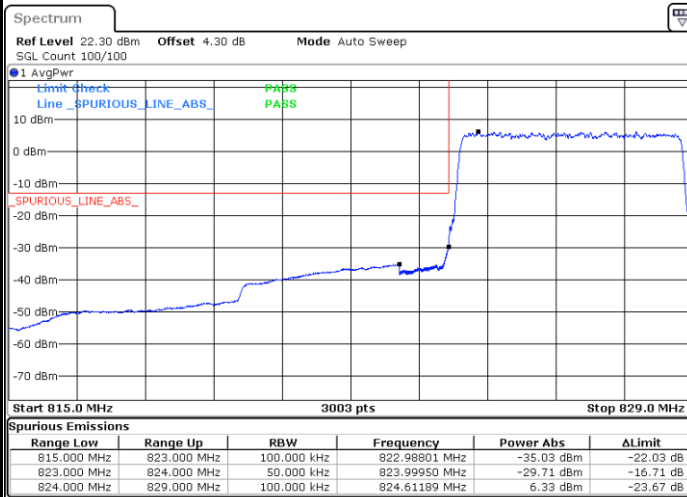
Date: 4 DEC.2019 20:31:52

Highest Band Edge / 1 RB



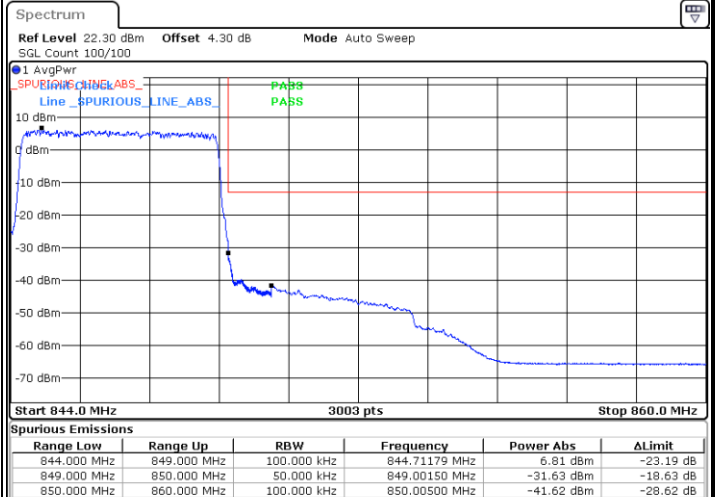
Date: 4 DEC.2019 18:44:17

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:35:09

Highest Band Edge / Full RB

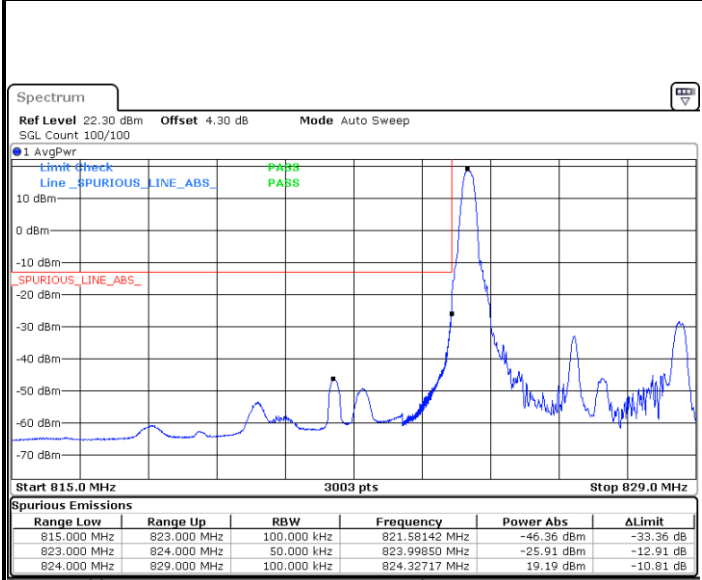


Date: 4 DEC.2019 18:47:34



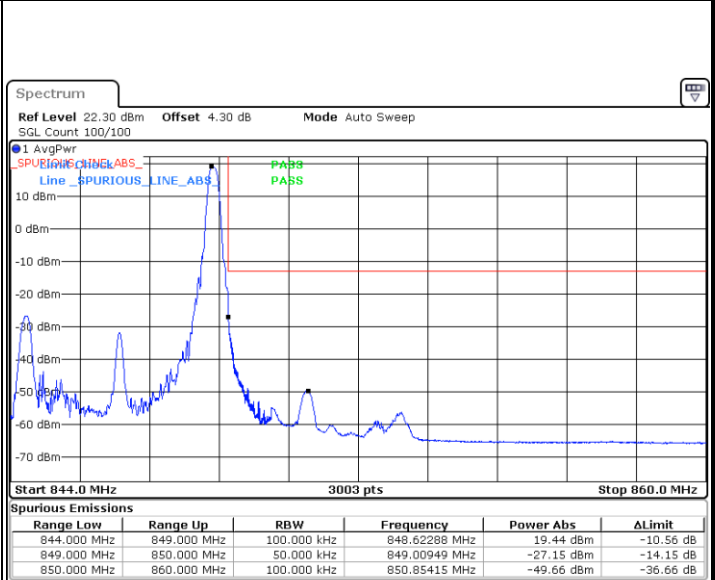
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



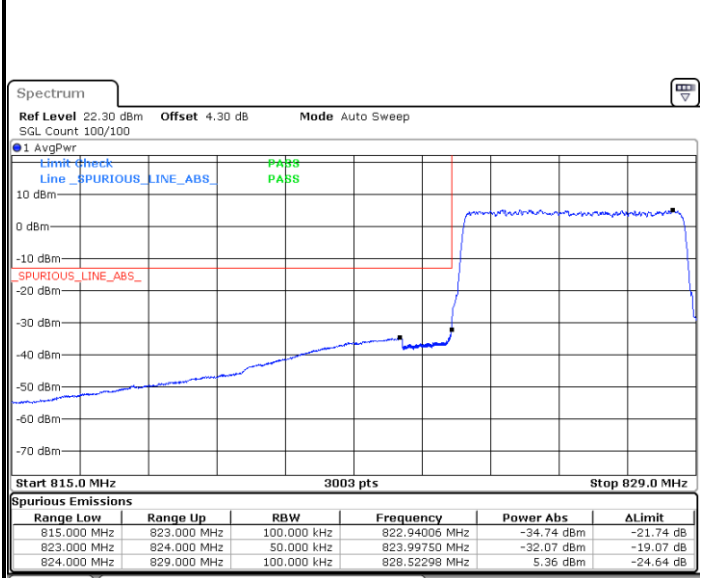
Date: 4 DEC.2019 20:33:31

Highest Band Edge / 1 RB



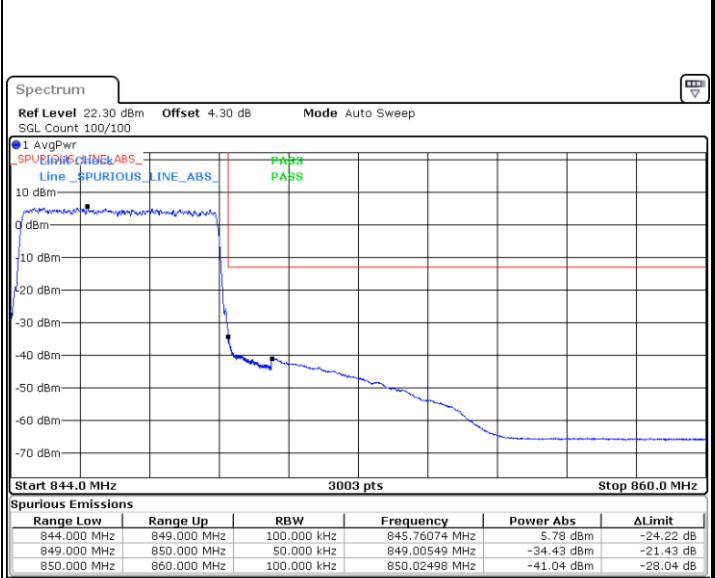
Date: 4 DEC.2019 18:45:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:36:48

Highest Band Edge / Full RB

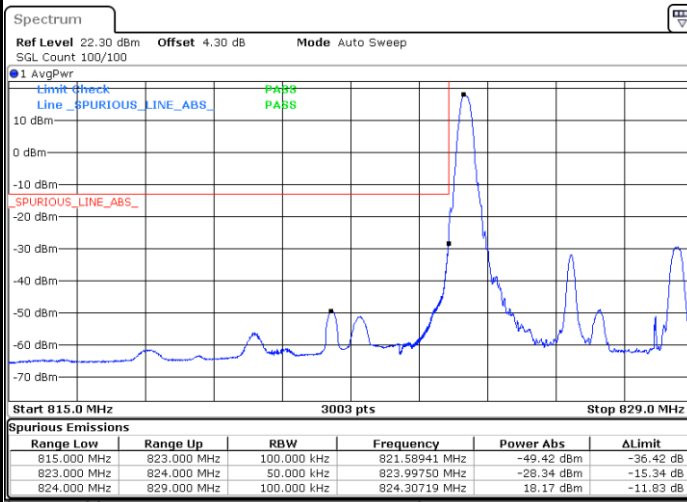


Date: 4 DEC.2019 18:49:12



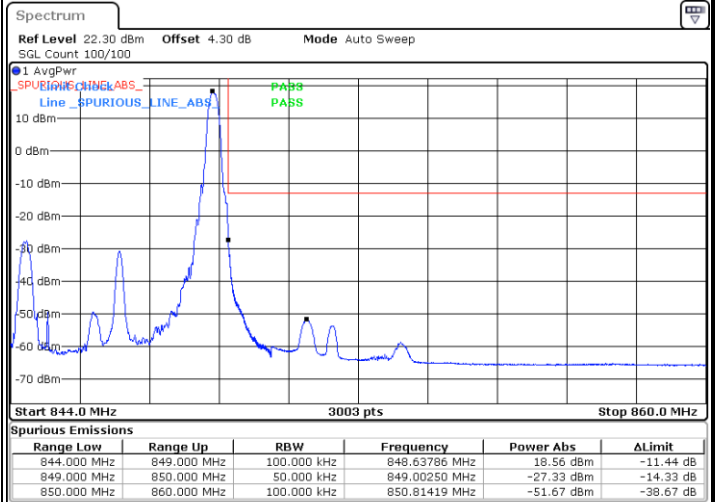
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



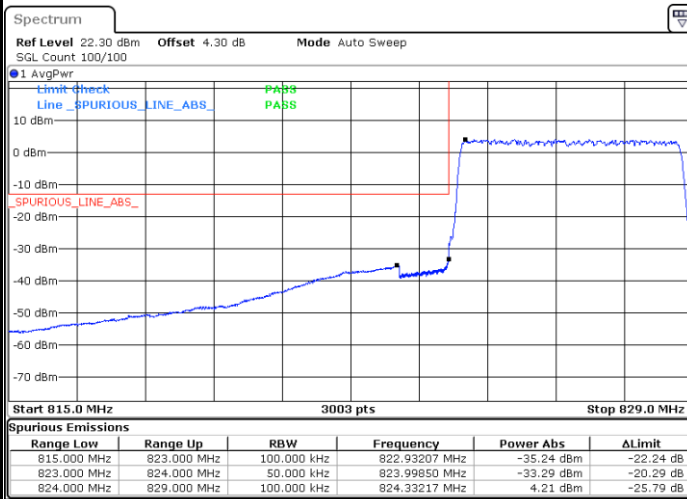
Date: 4 DEC.2019 19:39:38

Highest Band Edge / 1 RB



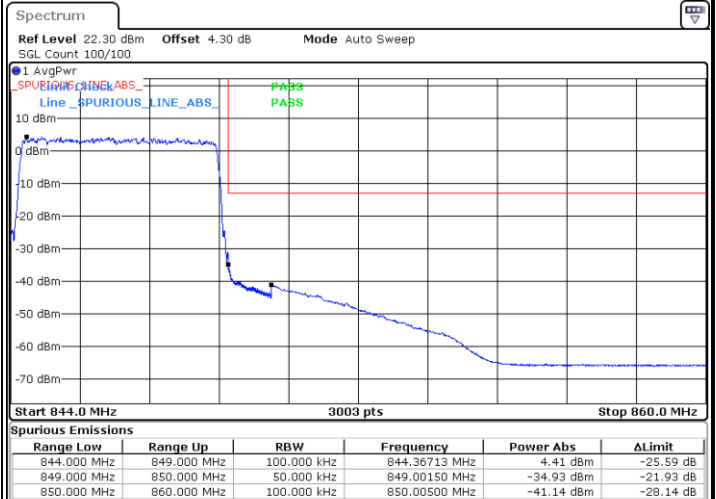
Date: 4 DEC.2019 19:45:22

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:38:00

Highest Band Edge / Full RB



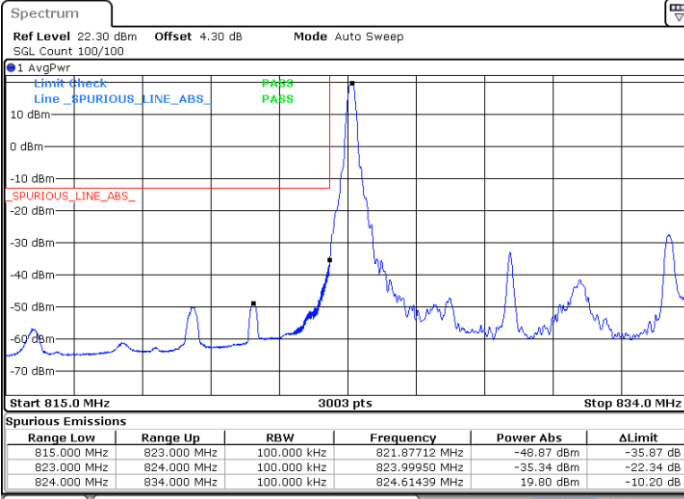
Date: 4 DEC.2019 19:43:43



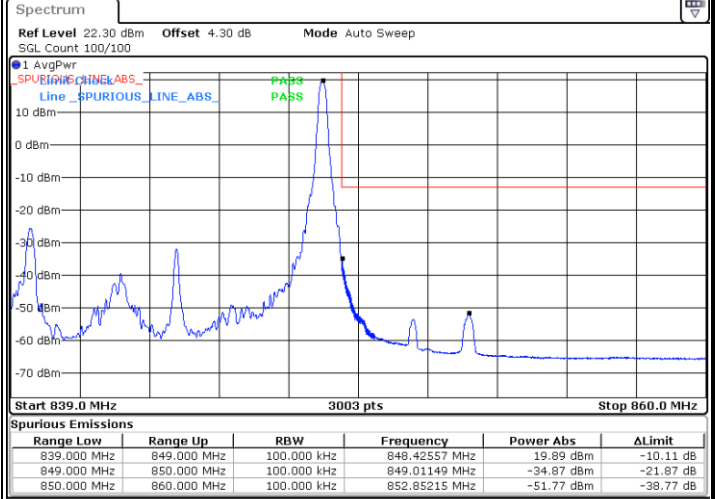
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



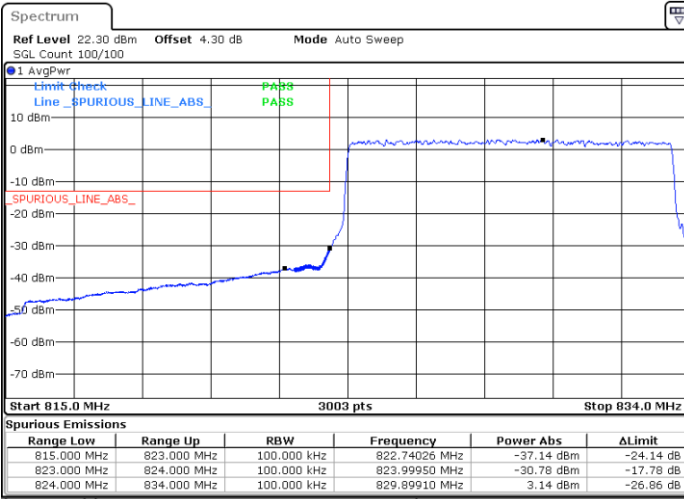
Date: 4 DEC.2019 18:53:17



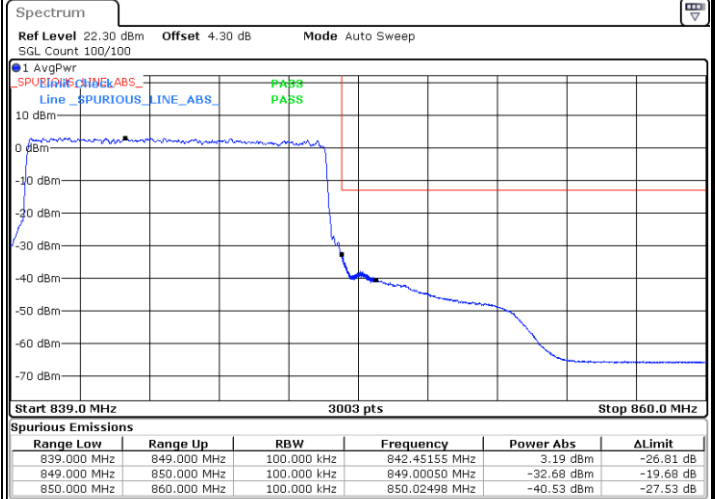
Date: 4 DEC.2019 19:04:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 DEC.2019 18:56:34

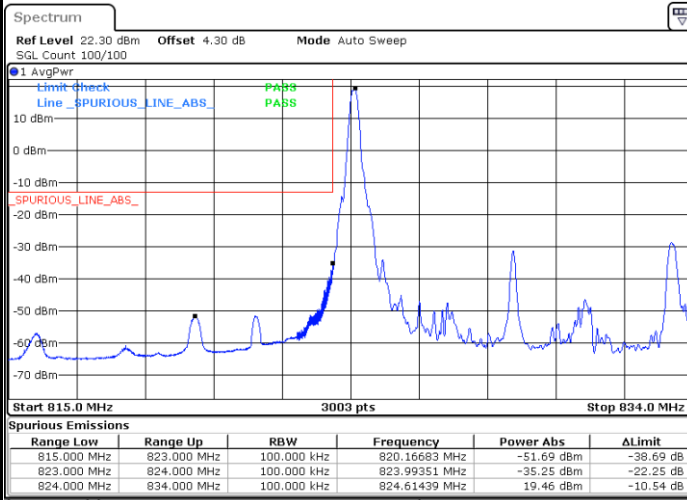


Date: 4 DEC.2019 19:08:01



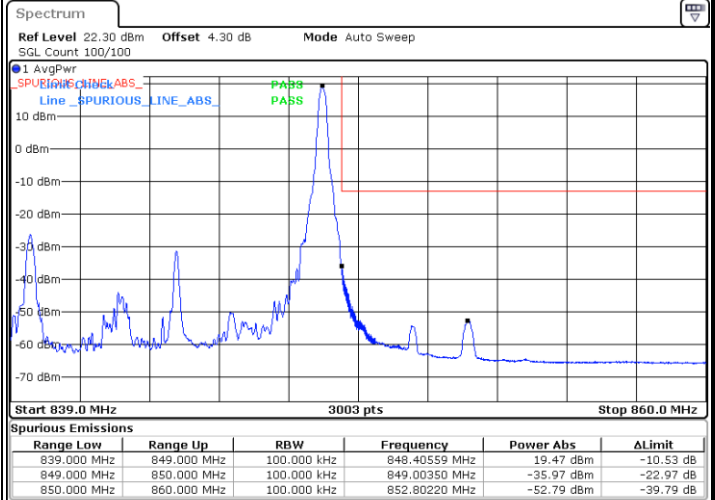
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



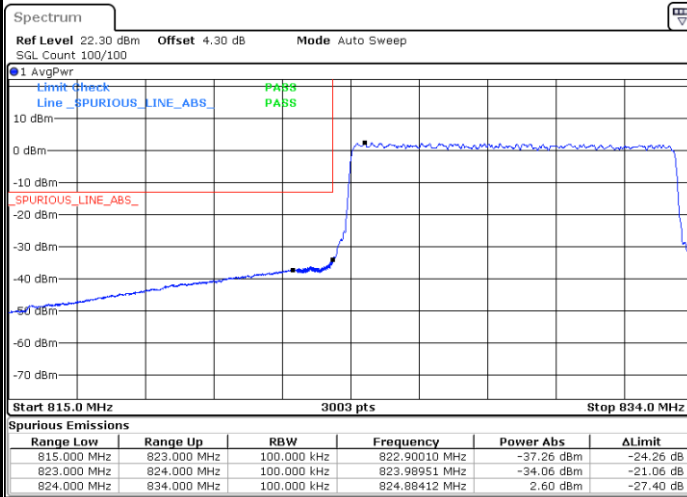
Date: 4 DEC.2019 18:54:56

Highest Band Edge / 1 RB



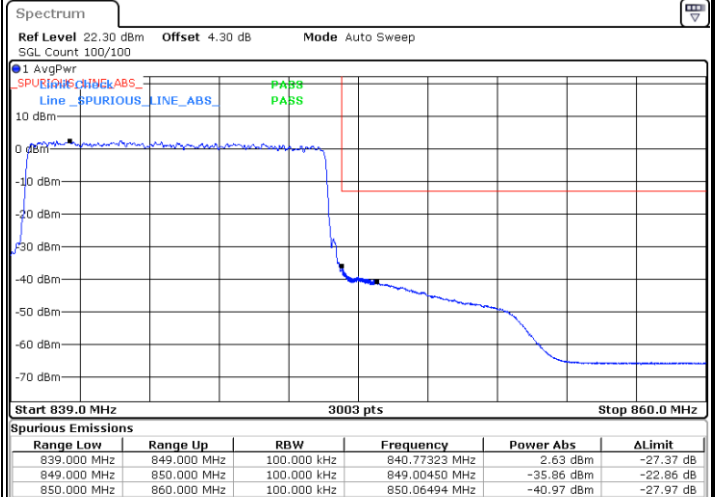
Date: 4 DEC.2019 19:06:22

Lowest Band Edge / Full RB



Date: 4 DEC.2019 18:58:12

Highest Band Edge / Full RB

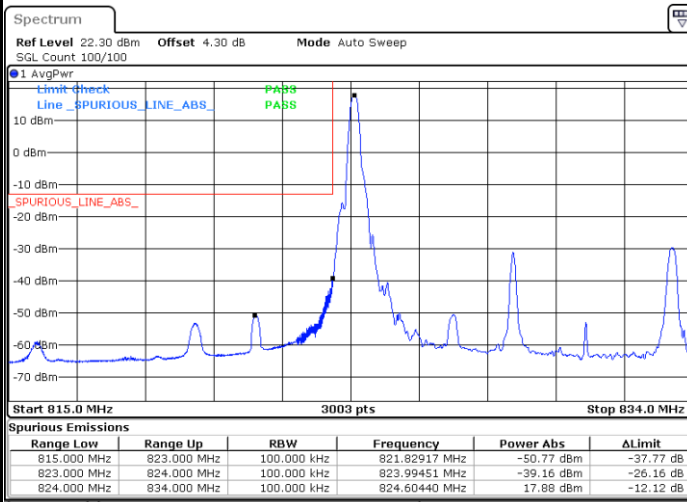


Date: 4 DEC.2019 19:09:39



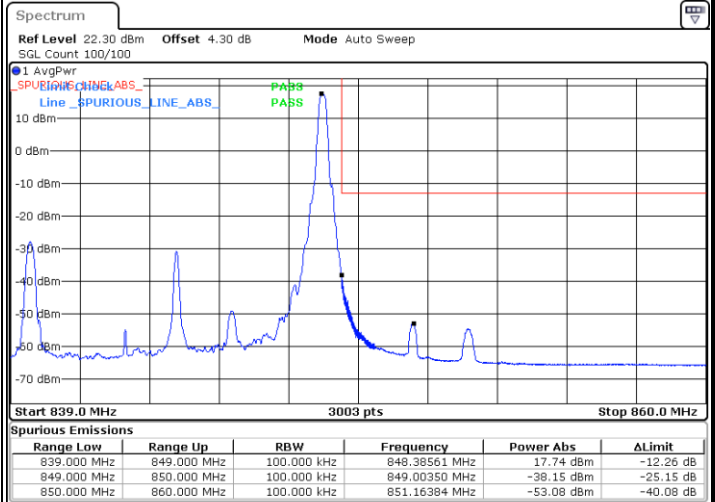
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



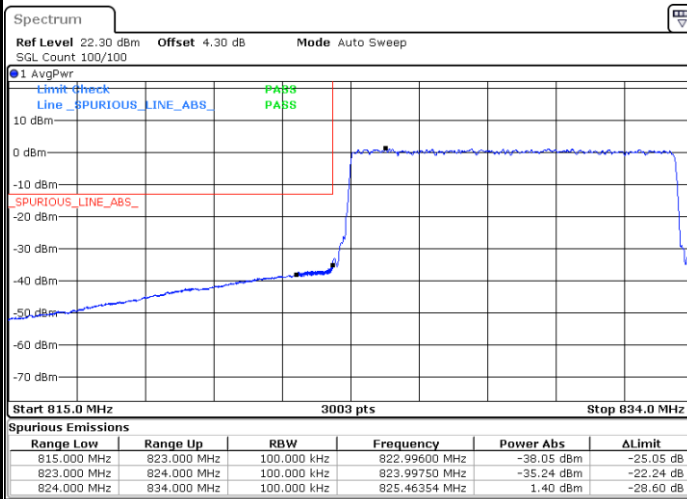
Date: 4 DEC.2019 19:49:52

Highest Band Edge / 1 RB



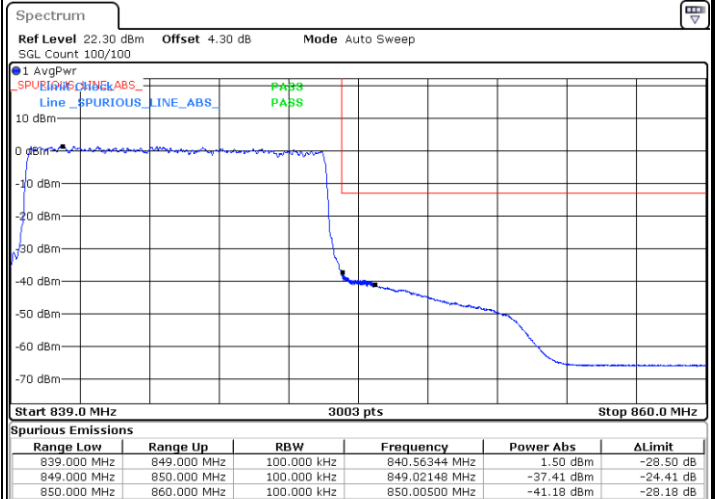
Date: 4 DEC.2019 19:55:36

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:48:14

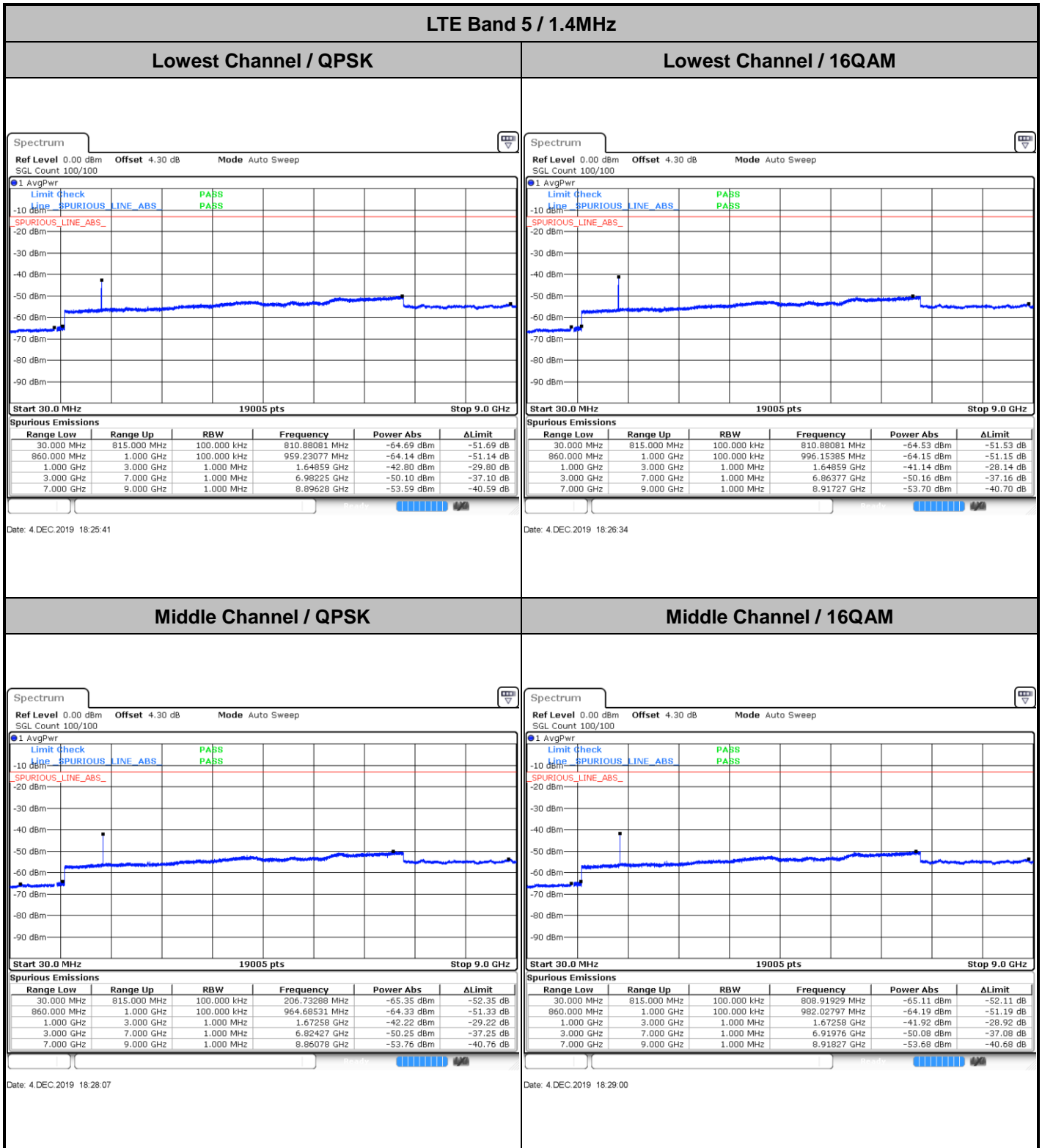
Highest Band Edge / Full RB



Date: 4 DEC.2019 19:53:57



# Conducted Spurious Emission

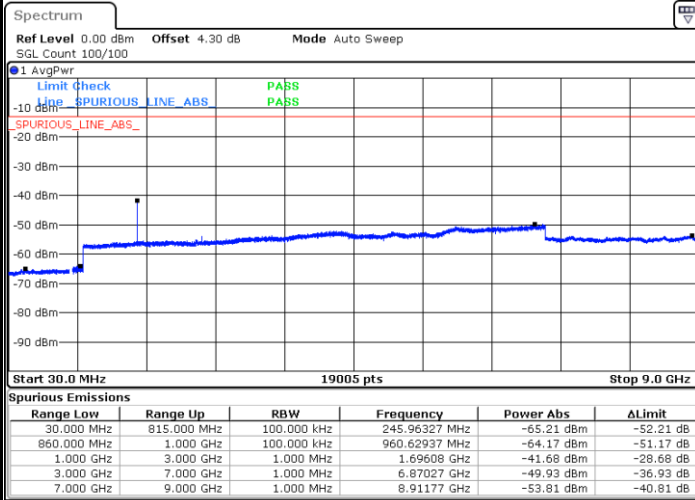






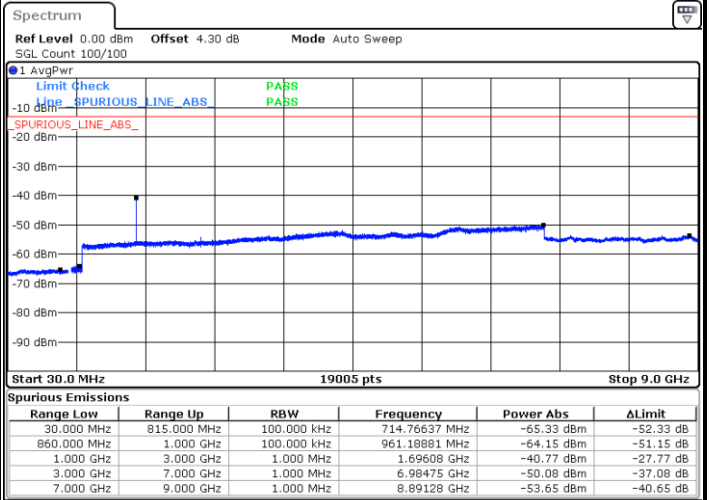
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 4 DEC.2019 18:37:07

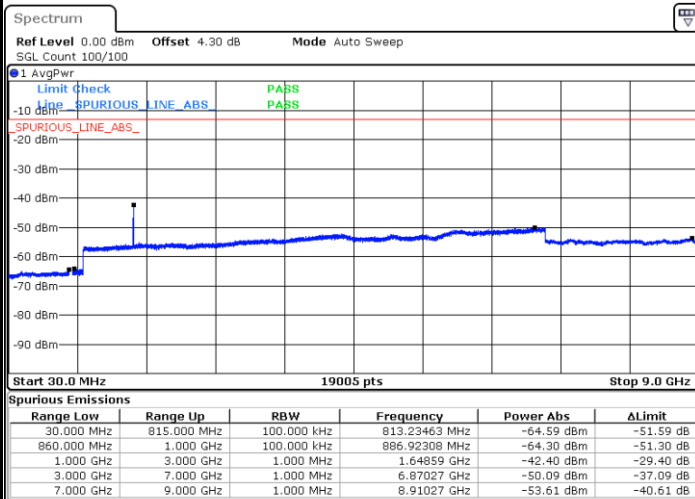
Highest Channel / 16QAM



Date: 4 DEC.2019 18:38:00

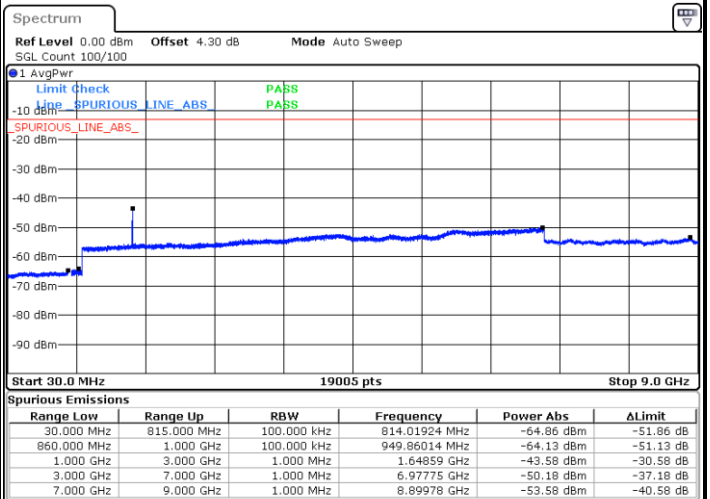
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 4 DEC.2019 20:08:18

Lowest Channel / 16QAM



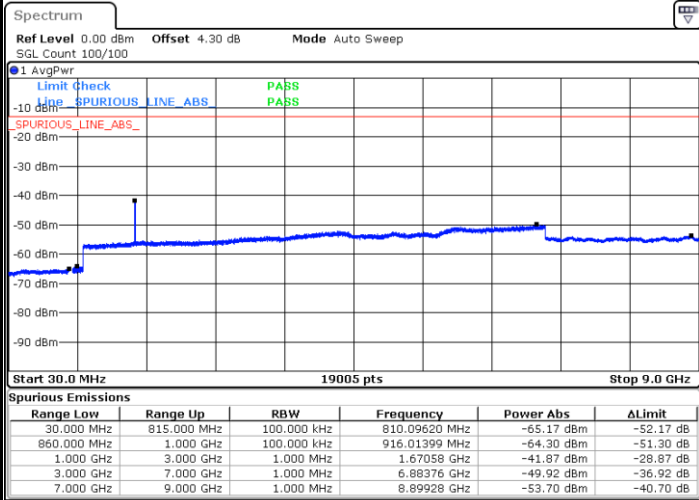
Date: 4 DEC.2019 20:09:11



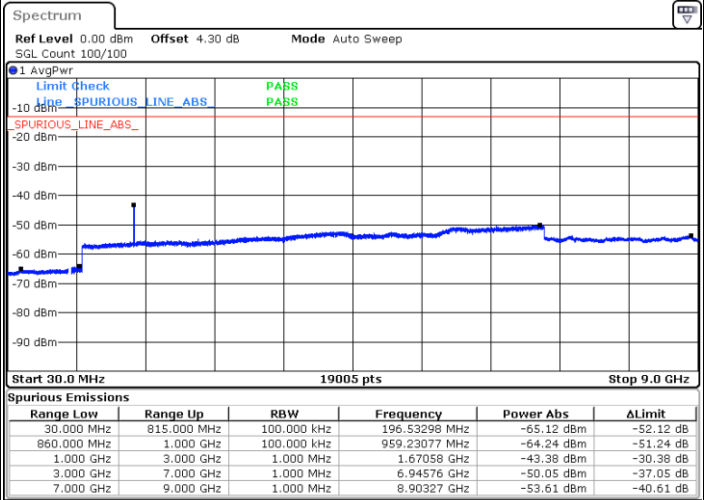
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



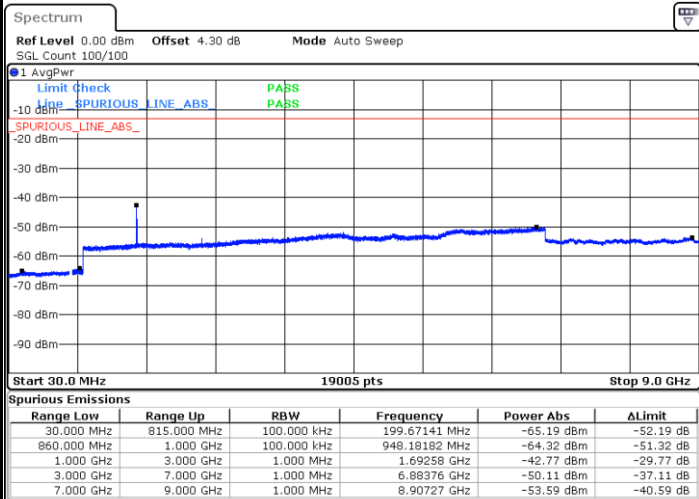
Date: 4 DEC.2019 20:10:44



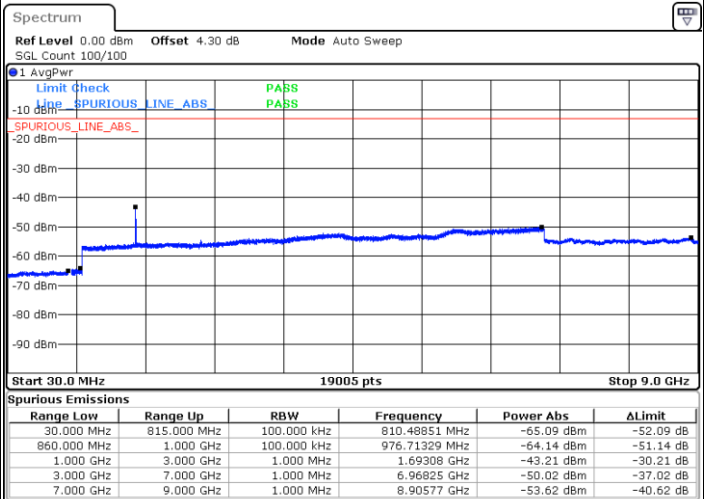
Date: 4 DEC.2019 20:11:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 DEC.2019 20:19:45



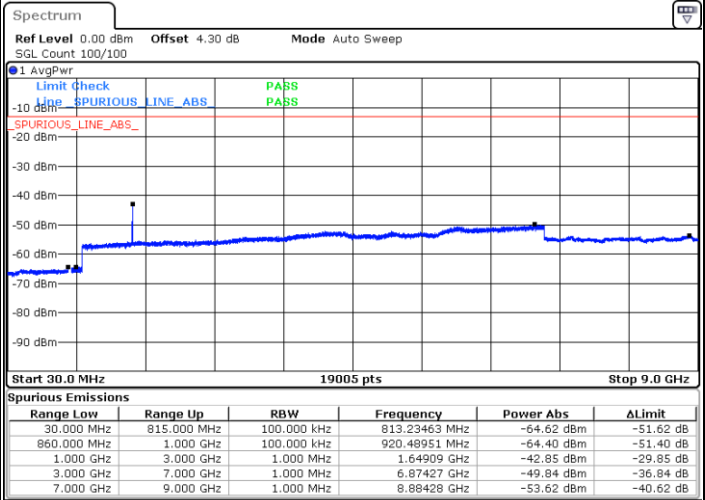
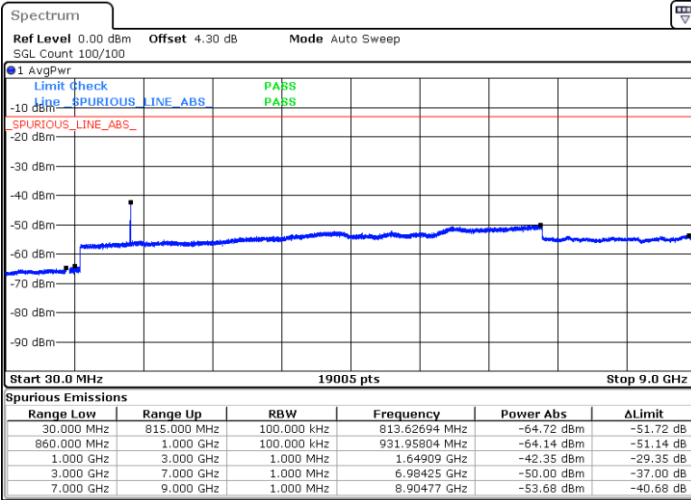
Date: 4 DEC.2019 20:20:38



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

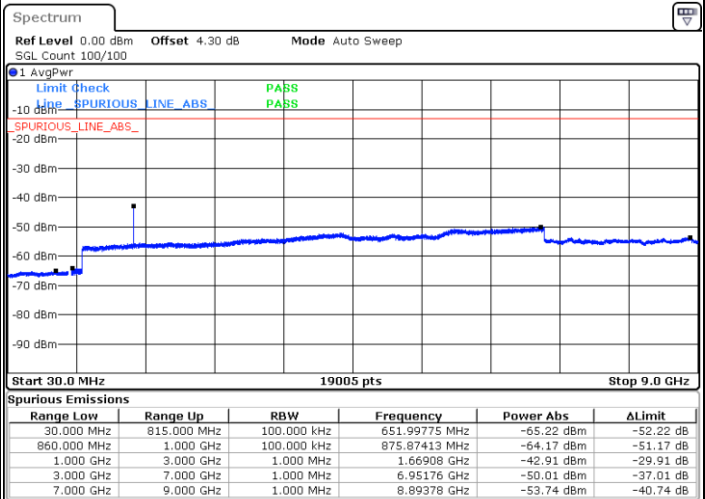
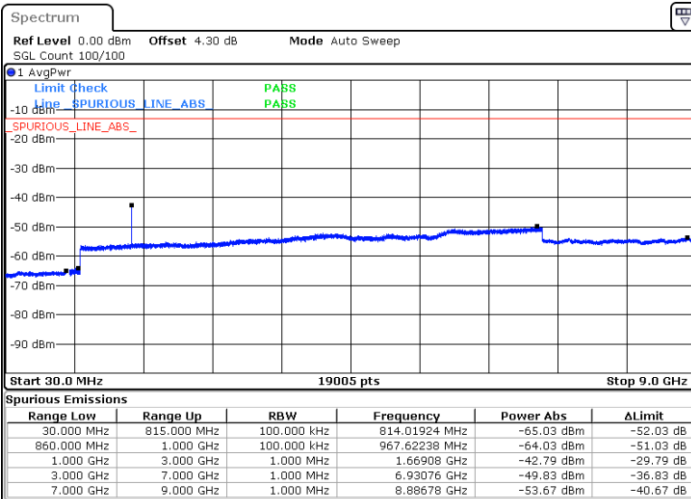


Date: 4 DEC.2019 20:37:42

Date: 4 DEC.2019 18:39:33

Middle Channel / QPSK

Middle Channel / 16QAM



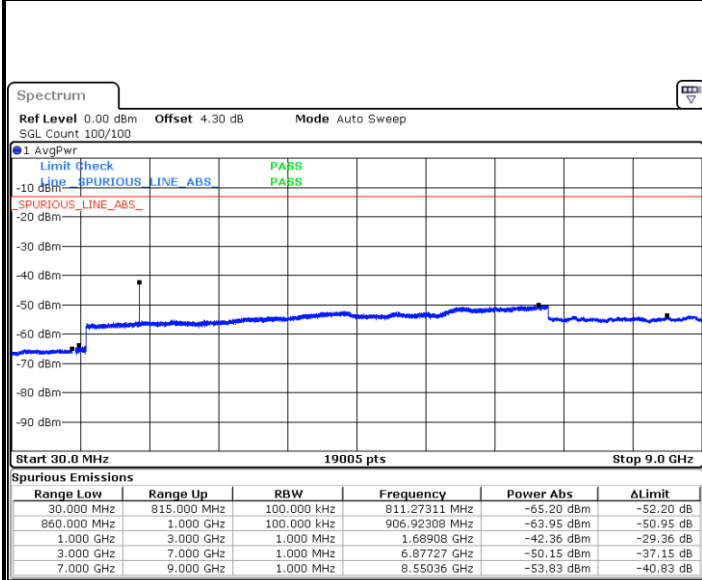
Date: 4 DEC.2019 20:38:35

Date: 4 DEC.2019 20:38:28



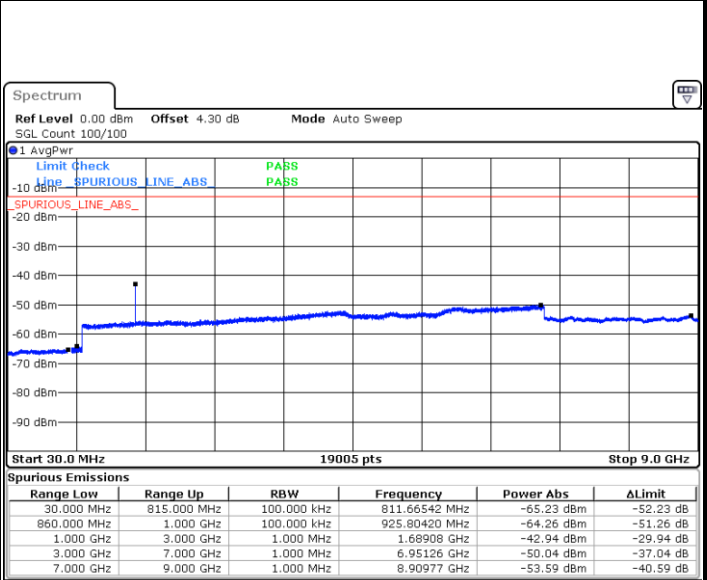
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 4 DEC.2019 20:40:22

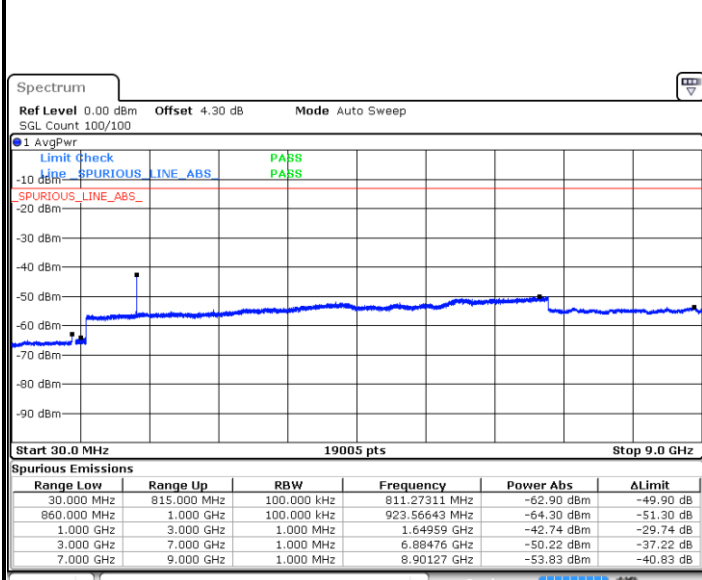
Highest Channel / 16QAM



Date: 4 DEC.2019 20:41:15

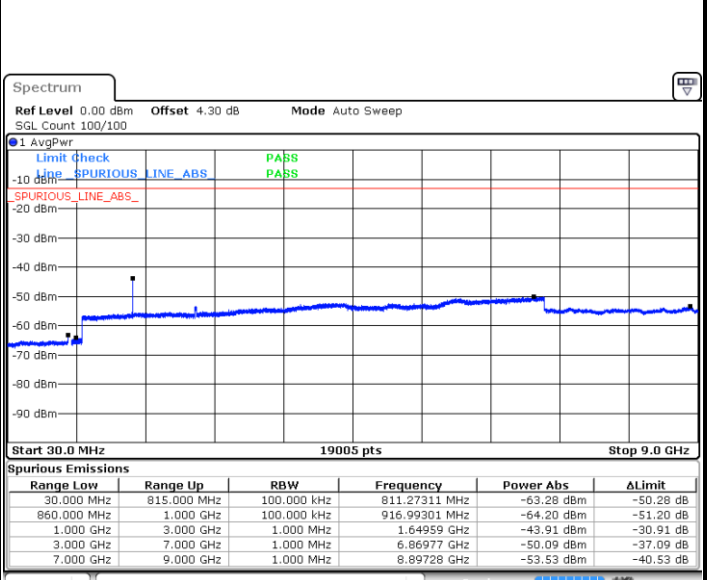
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 4 DEC.2019 18:59:06

Lowest Channel / 16QAM



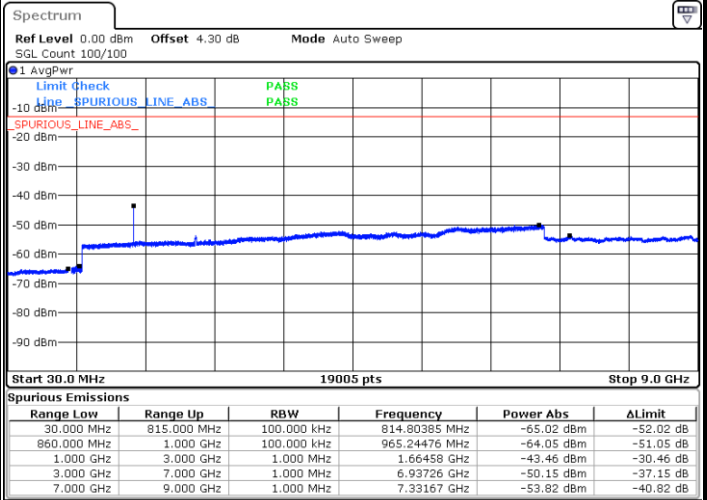
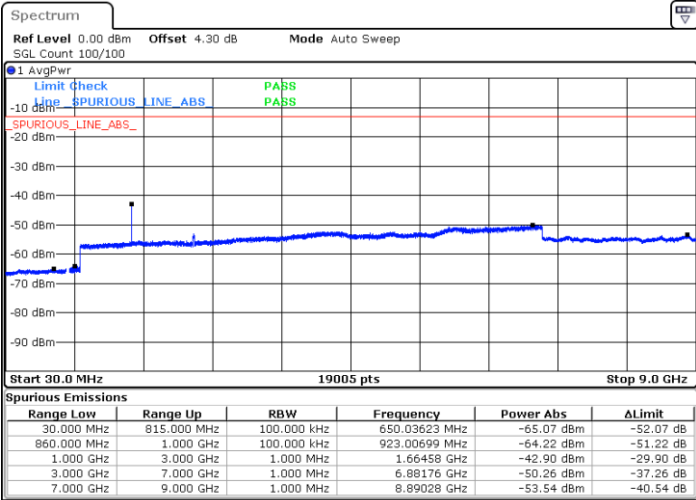
Date: 4 DEC.2019 19:00:00



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

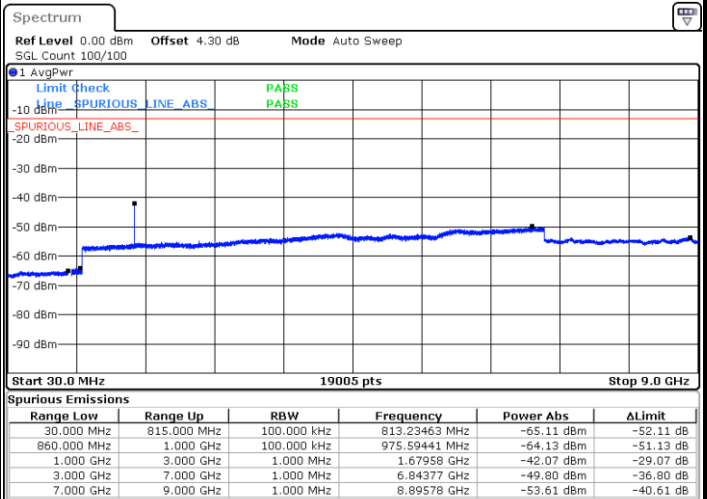
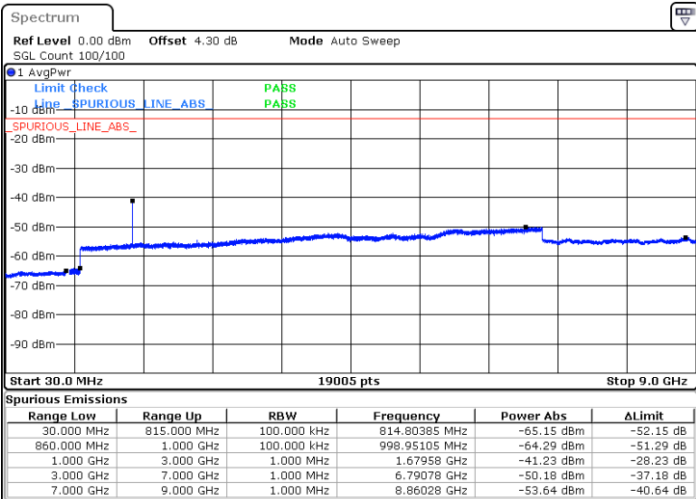


Date: 4 DEC.2019 19:01:33

Date: 4 DEC.2019 19:02:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 DEC.2019 19:10:33

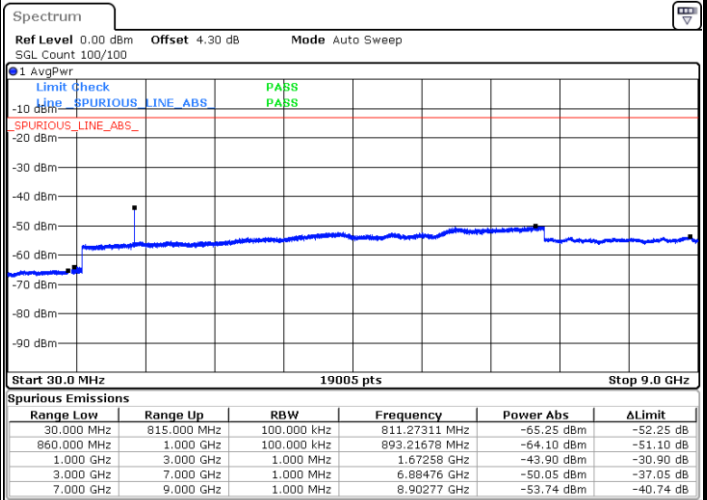
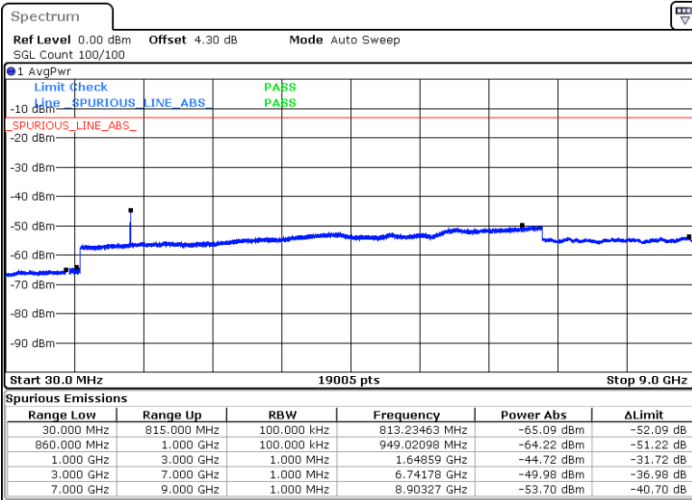
Date: 4 DEC.2019 19:11:26



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

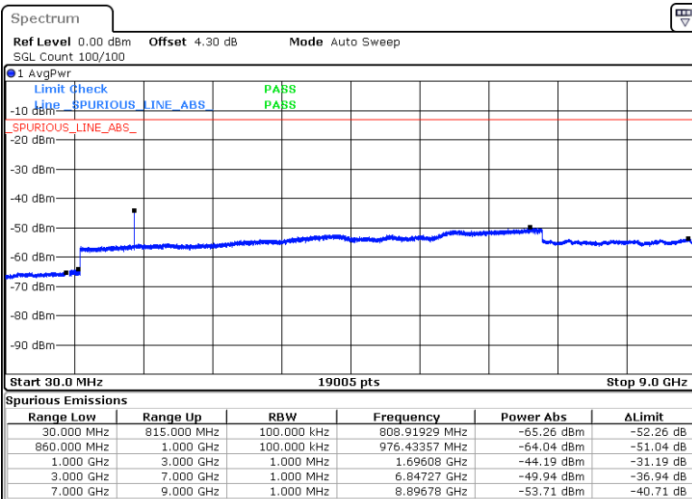
Middle Channel / 64QAM



Date: 4 DEC.2019 19:20:05

Date: 4 DEC.2019 19:20:59

Highest Channel / 64QAM

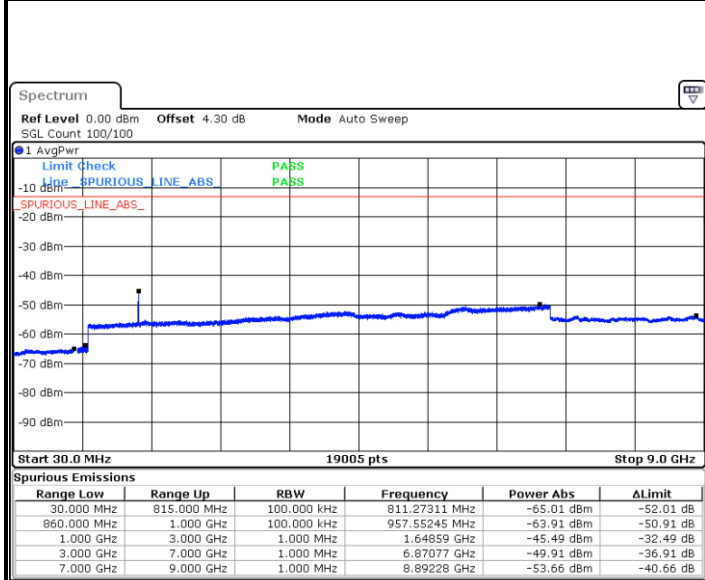


Date: 4 DEC.2019 19:25:49



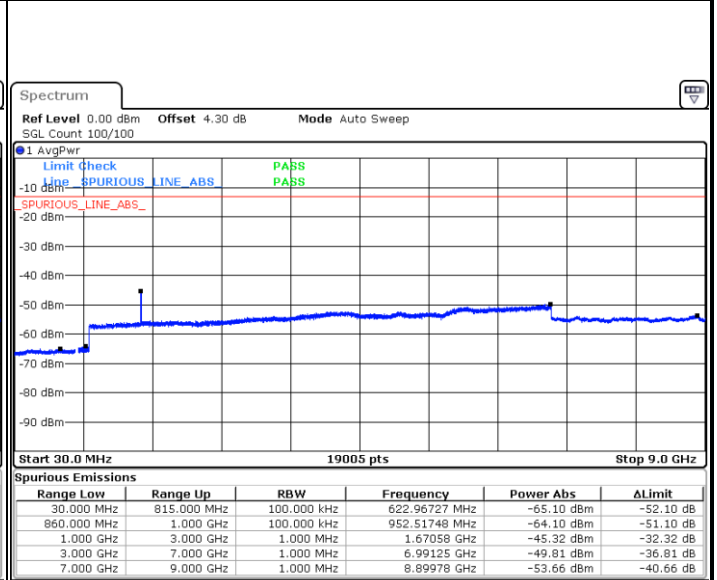
**LTE Band 5 / 3MHz**

**Lowest Channel / 64QAM**



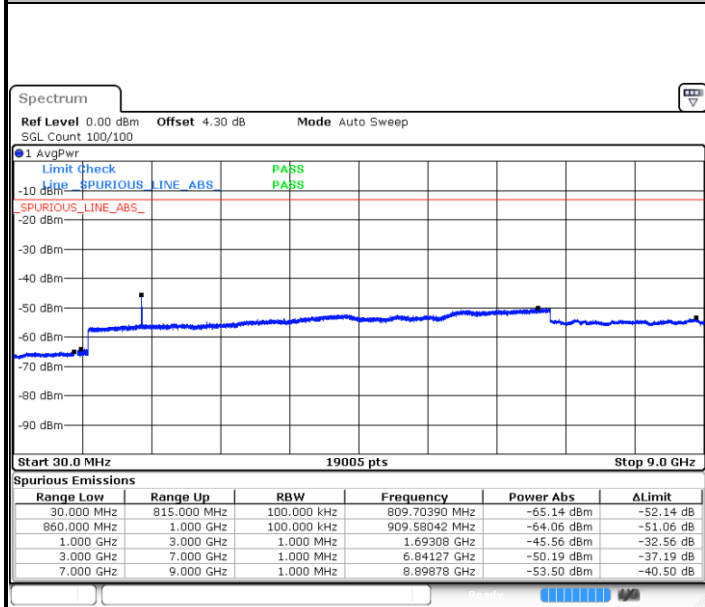
Date: 4 DEC.2019 19:30:19

**Middle Channel / 64QAM**



Date: 4 DEC.2019 19:31:12

**Highest Channel / 64QAM**

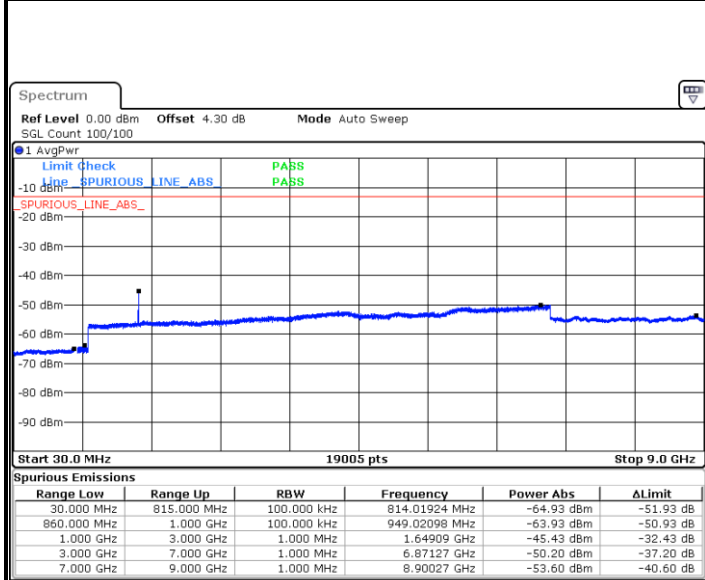


Date: 4 DEC.2019 19:36:02



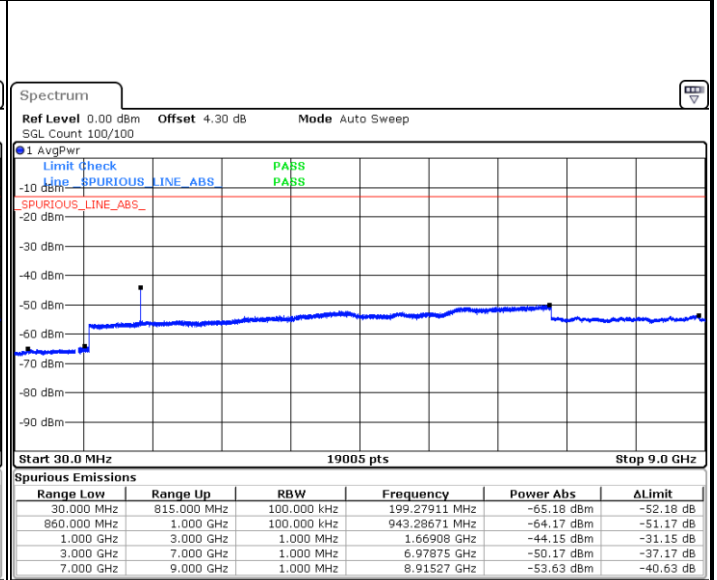
**LTE Band 5 / 5MHz**

**Lowest Channel / 64QAM**



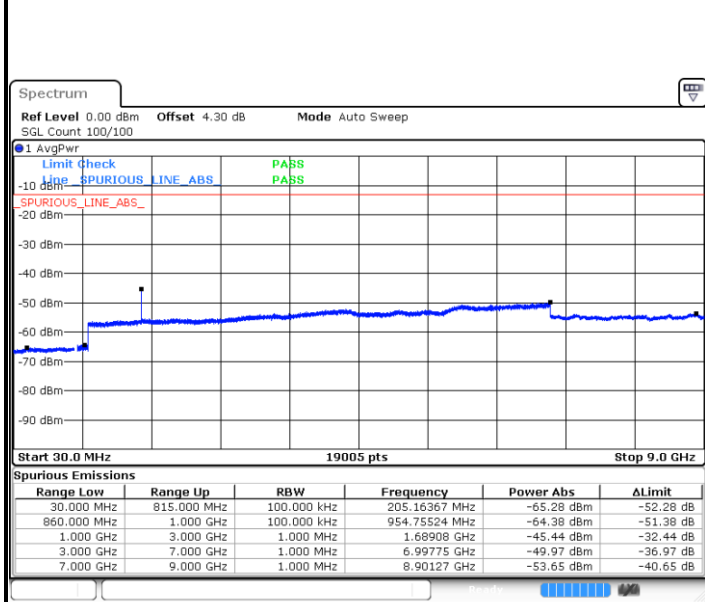
Date: 4 DEC.2019 19:40:32

**Middle Channel / 64QAM**



Date: 4 DEC.2019 19:41:26

**Highest Channel / 64QAM**



Date: 4 DEC.2019 19:46:16

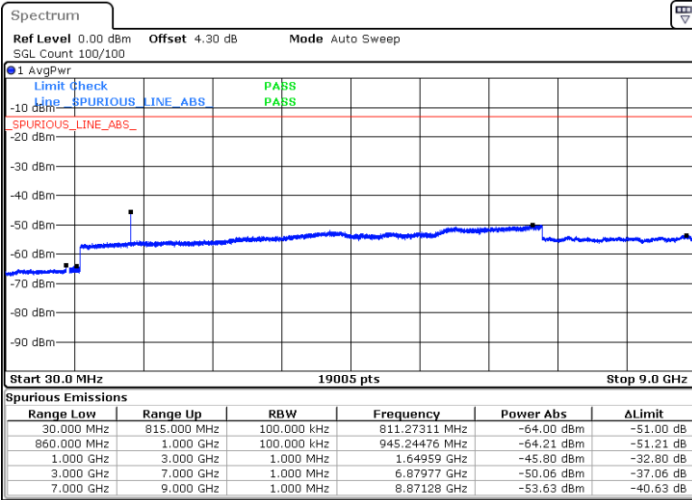




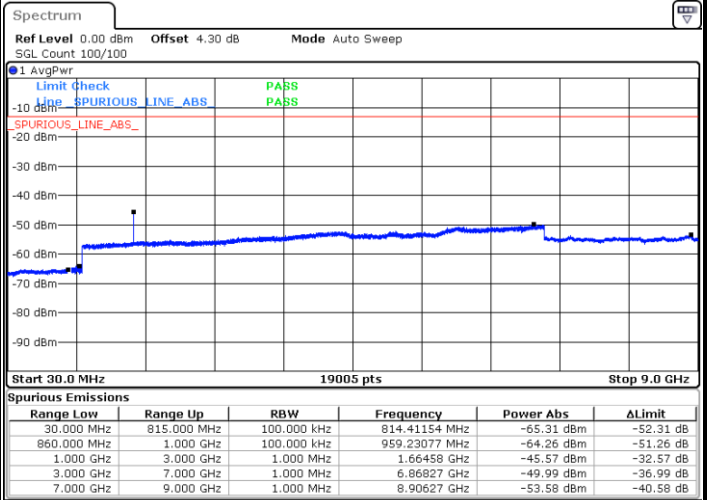
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

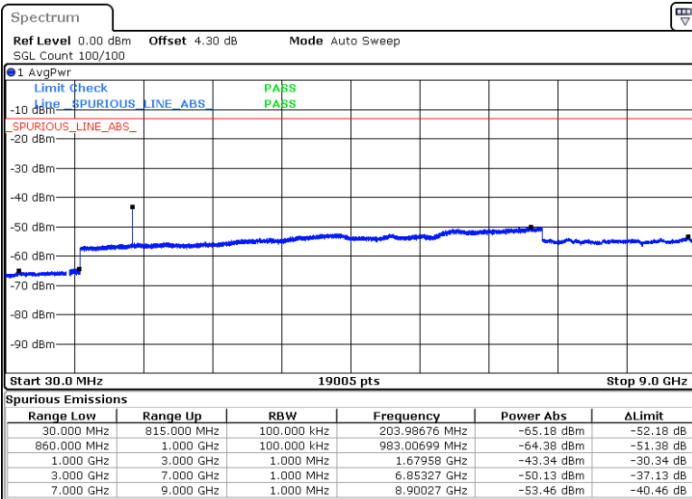


Date: 4 DEC.2019 19:50:46



Date: 4 DEC.2019 19:51:39

Highest Channel / 64QAM



Date: 4 DEC.2019 19:56:29



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	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

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



# LTE Band 41

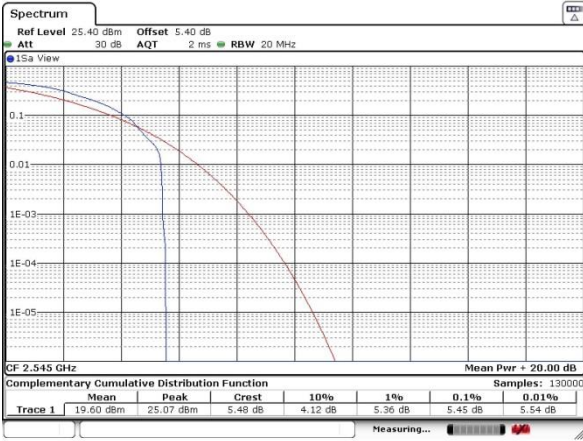
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.45	4.55	5.48	5.71	<b>PASS</b>
Middle CH	3.97	4.81	6.72	6.20	
Highest CH	3.71	6.38	5.68	6.06	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.12	5.71	<b>PASS</b>		
Middle CH	6.75	6.17			
Highest CH	5.62	6.29			



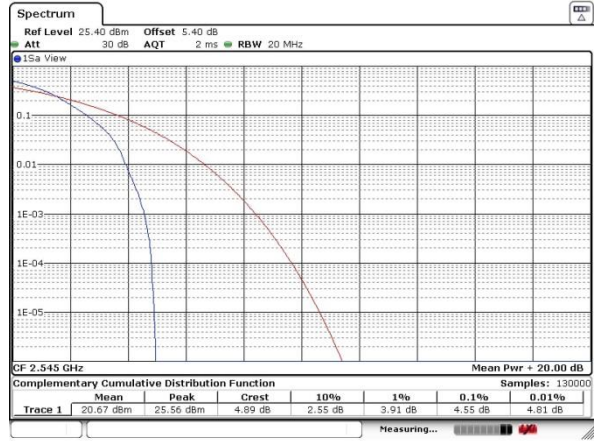
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



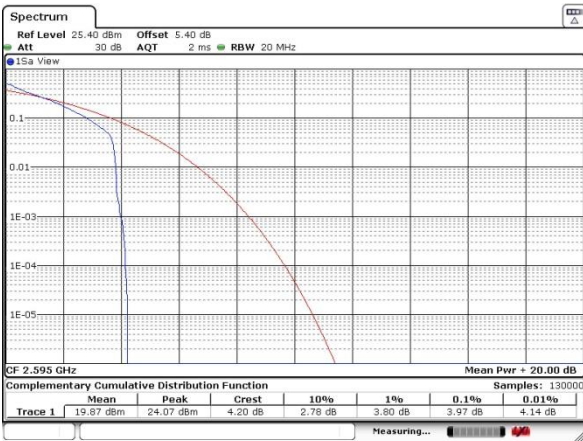
Date: 20 DEC 2019 21:19:19

Lowest Channel / Full RB



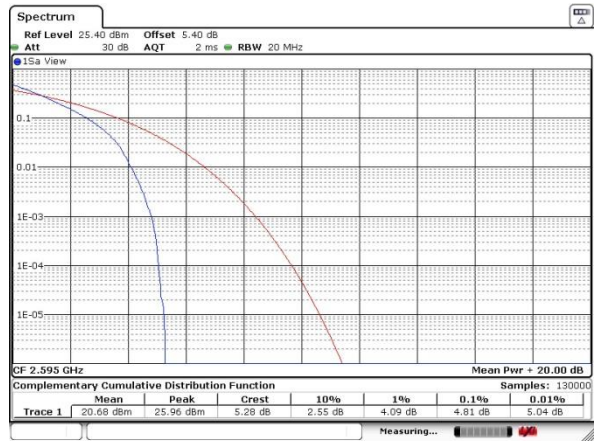
Date: 20 DEC 2019 21:15:19

Middle Channel / 1RB



Date: 5 DEC 2019 06:29:52

Middle Channel / Full RB



Date: 5 DEC 2019 06:30:51

Highest Channel / 1RB



Date: 5 DEC 2019 06:31:59

Highest Channel / Full RB



Date: 5 DEC 2019 06:32:57