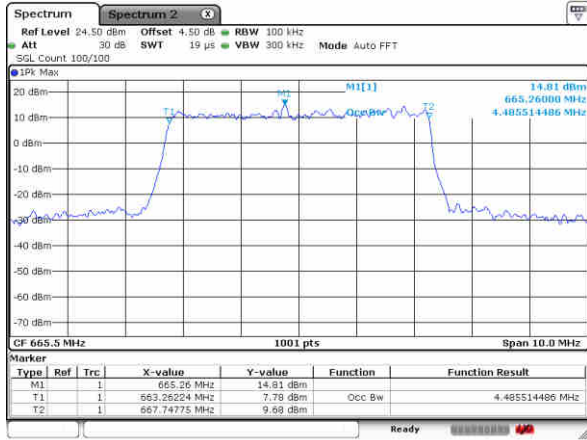




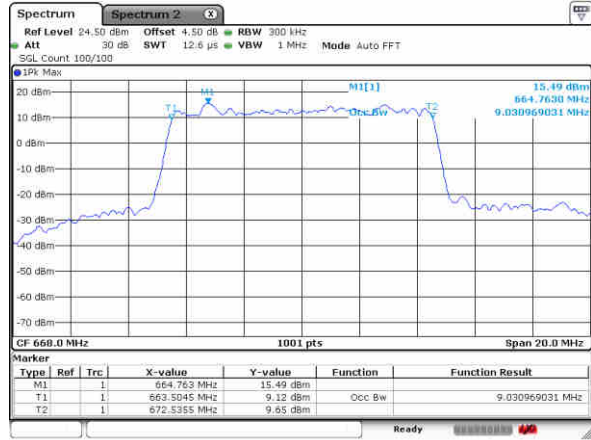
LTE Band 71

Lowest Channel / 5MHz / 64QAM



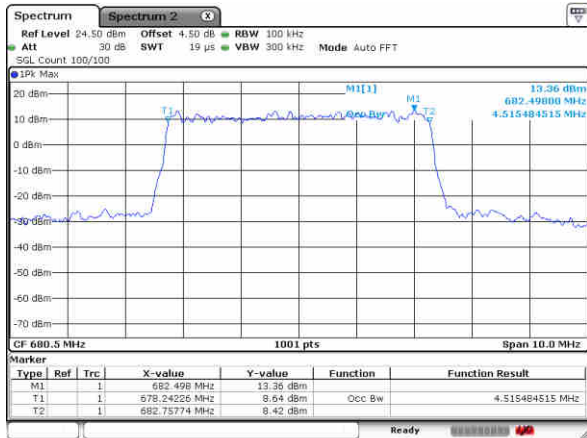
Date: 28.OCT.2019 17:55:32

Lowest Channel / 10MHz / 64QAM



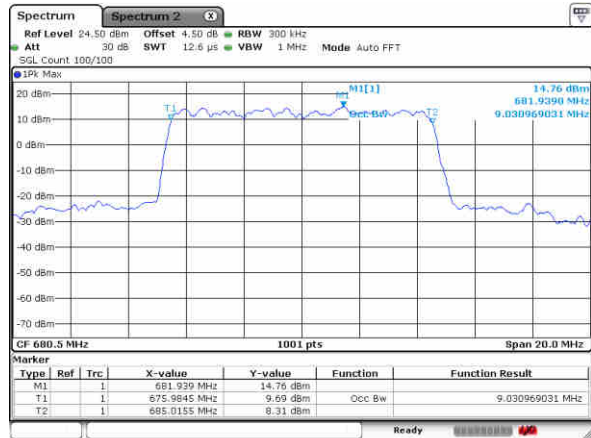
Date: 28.OCT.2019 17:40:54

Middle Channel / 5MHz / 64QAM



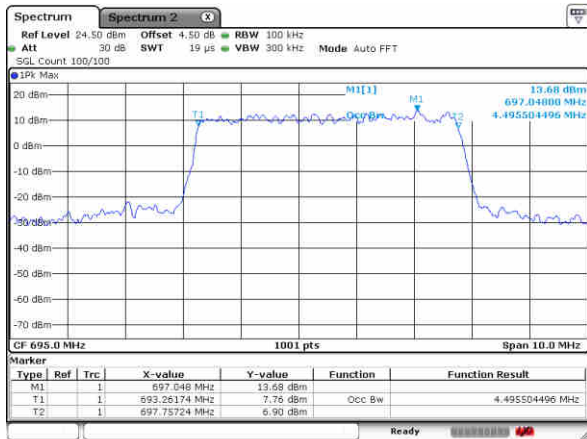
Date: 28.OCT.2019 17:56:46

Middle Channel / 10MHz / 64QAM



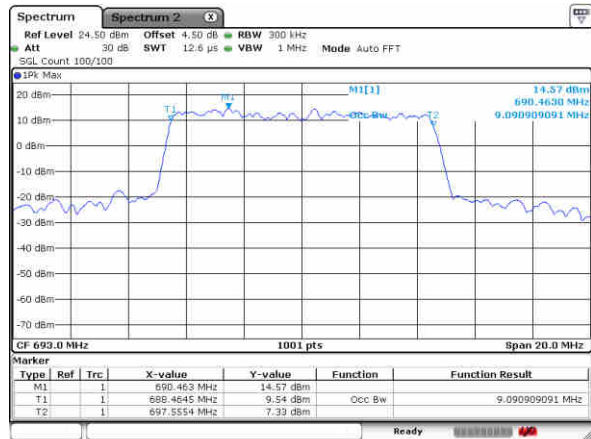
Date: 28.OCT.2019 17:47:48

Highest Channel / 5MHz / 64QAM



Date: 28.OCT.2019 18:02:30

Highest Channel / 10MHz / 64QAM

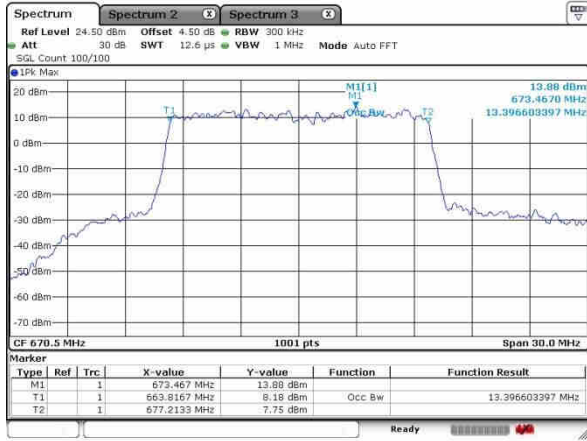


Date: 28.OCT.2019 17:48:16



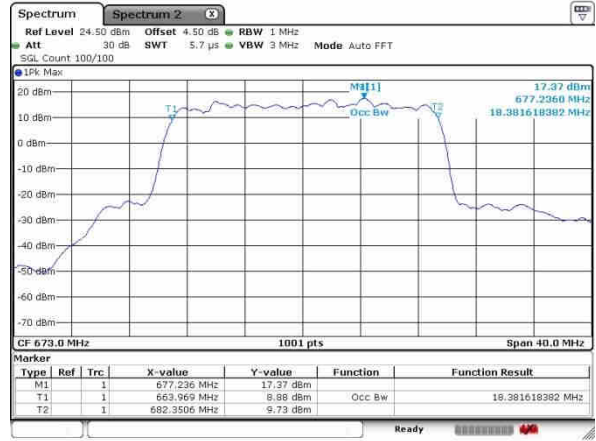
LTE Band 71

Lowest Channel / 15MHz / 64QAM



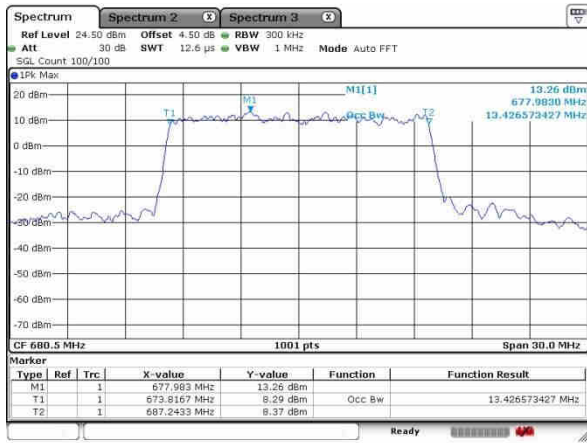
Date: 29 OCT 2019 16:35:07

Lowest Channel / 20MHz / 64QAM



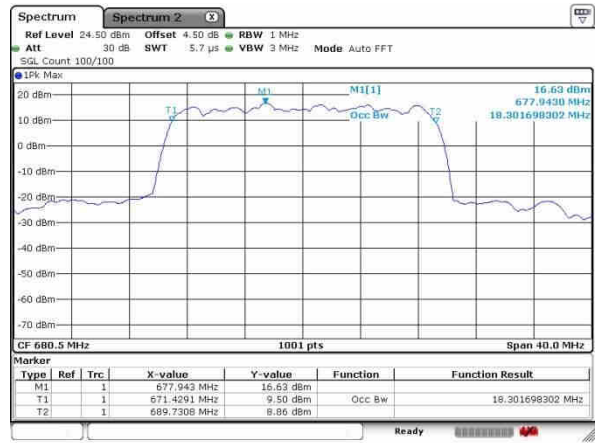
Date: 29 OCT 2019 17:18:58

Middle Channel / 15MHz / 64QAM



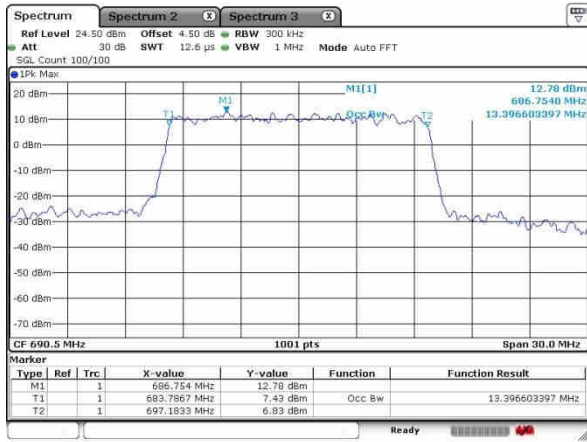
Date: 29 OCT 2019 16:39:44

Middle Channel / 20MHz / 64QAM



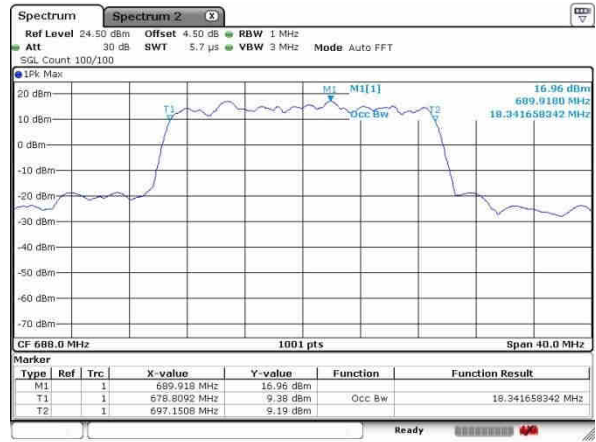
Date: 29 OCT 2019 17:18:28

Highest Channel / 15MHz / 64QAM



Date: 29 OCT 2019 16:44:07

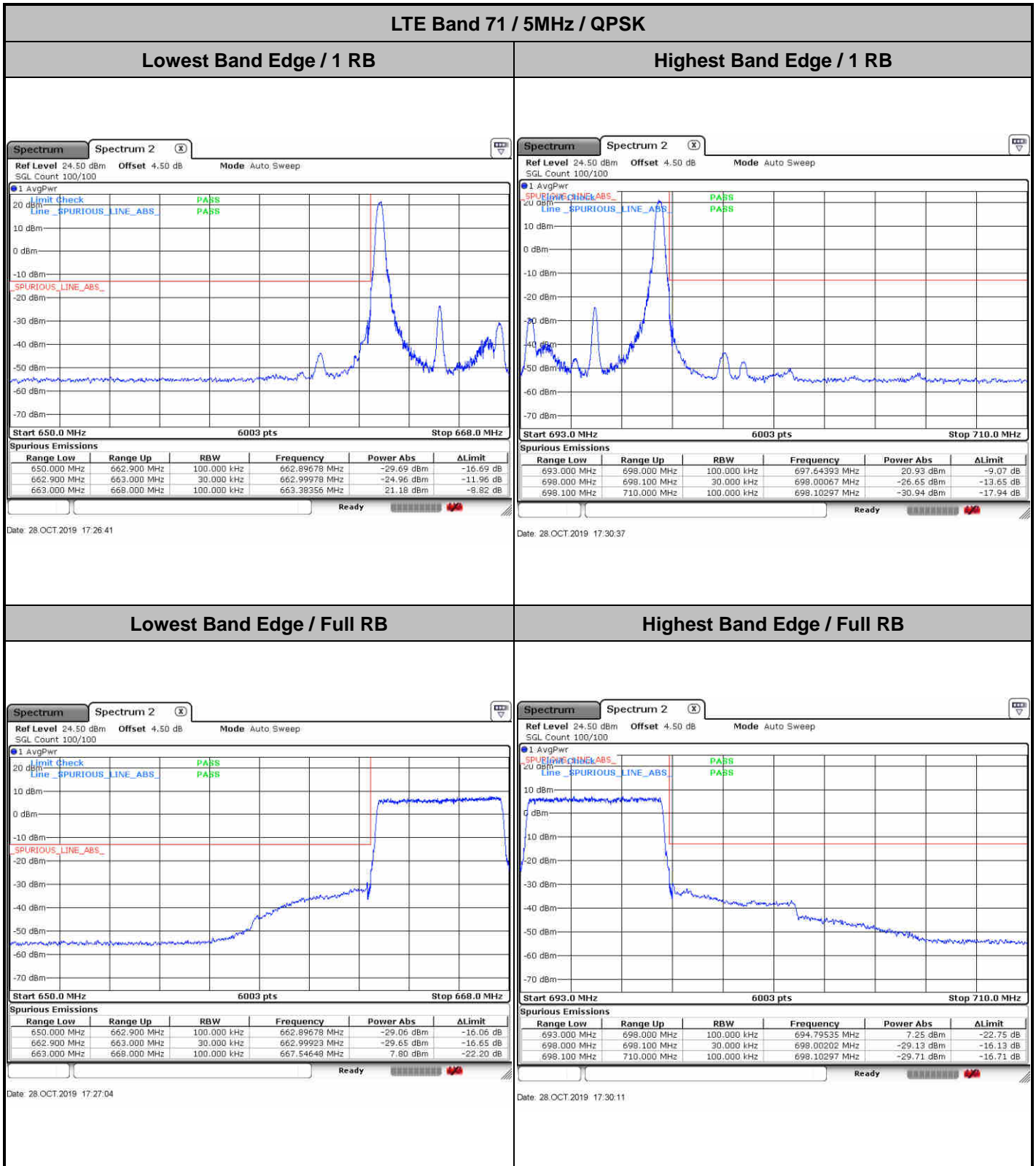
Highest Channel / 20MHz / 64QAM



Date: 29 OCT 2019 17:13:52



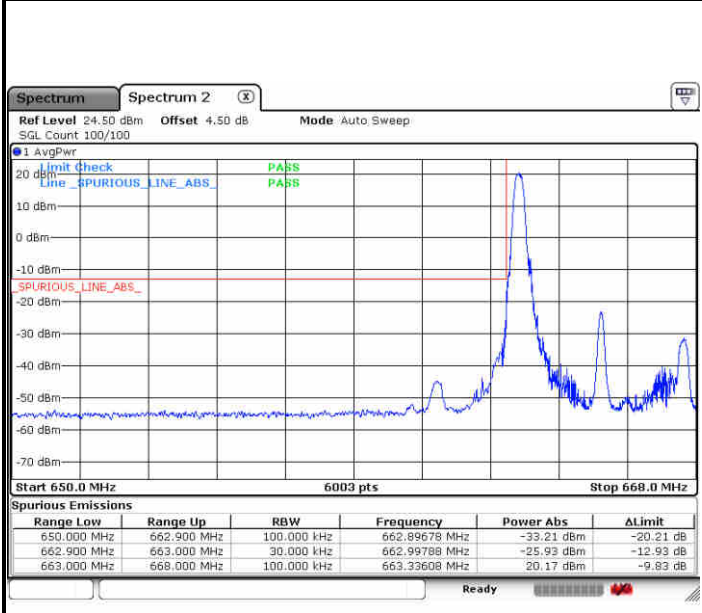
# Conducted Band Edge



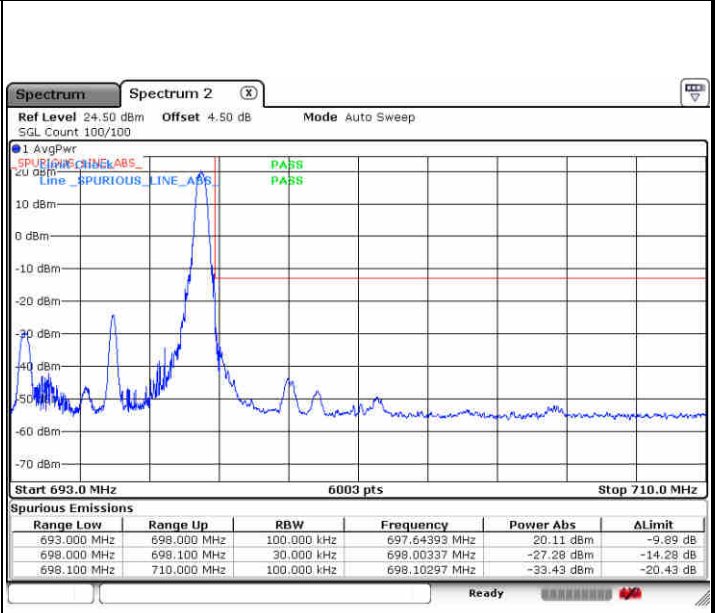


LTE Band 71 / 5MHz / 16QAM

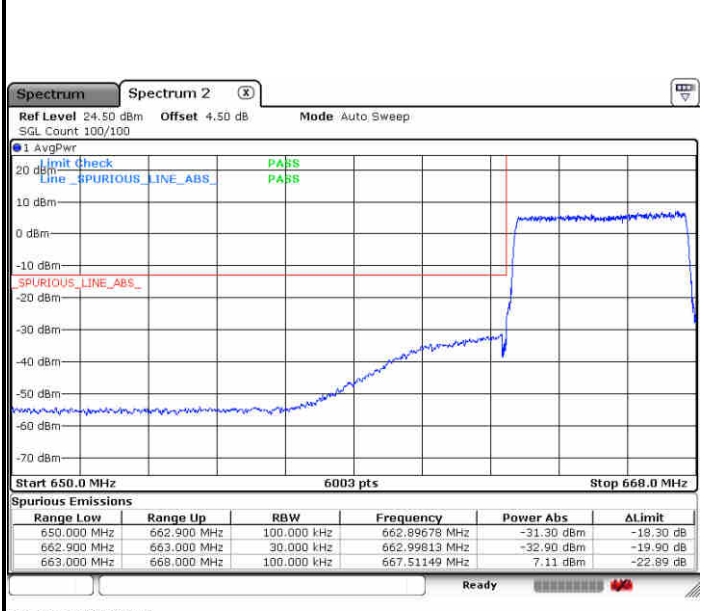
Lowest Band Edge / 1 RB



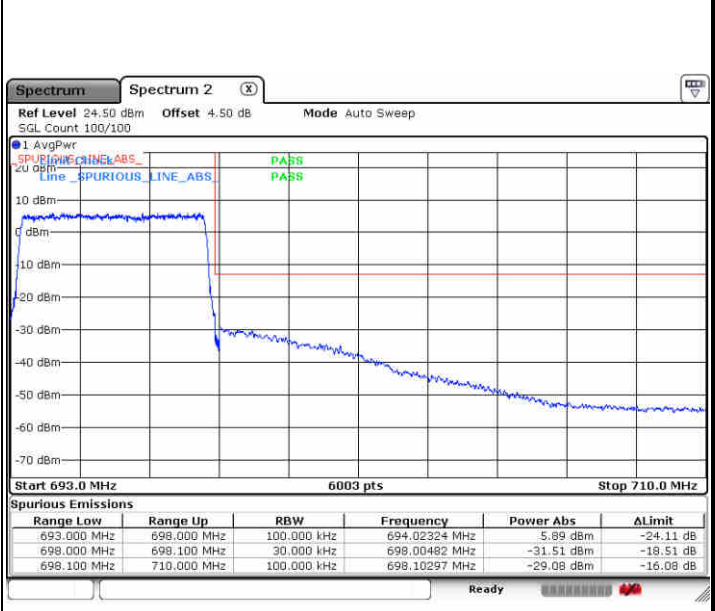
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



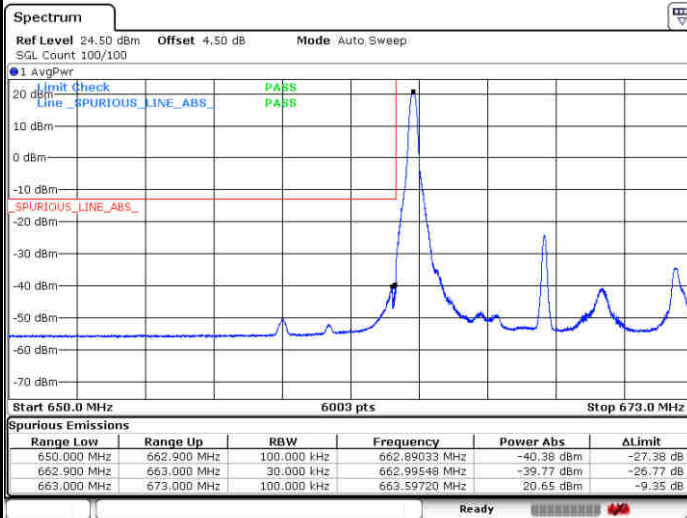
Highest Band Edge / Full RB





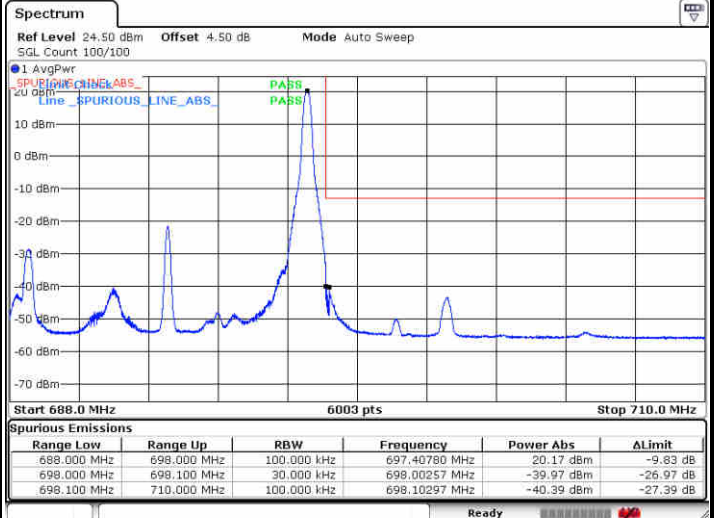
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



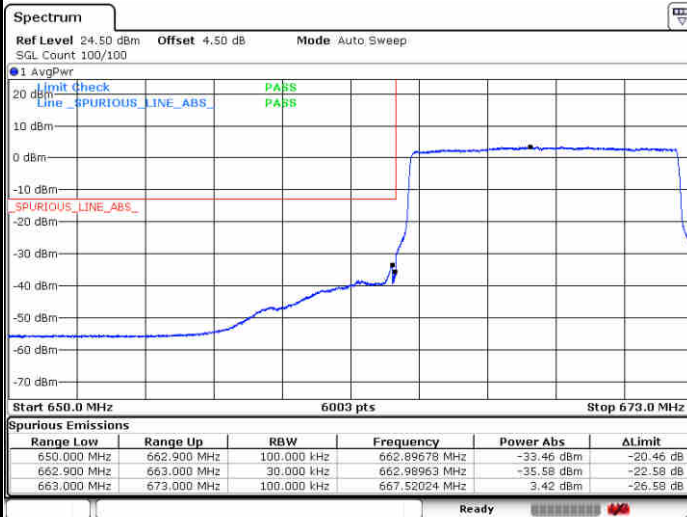
Date: 29.OCT.2019 15:03:58

Highest Band Edge / 1 RB



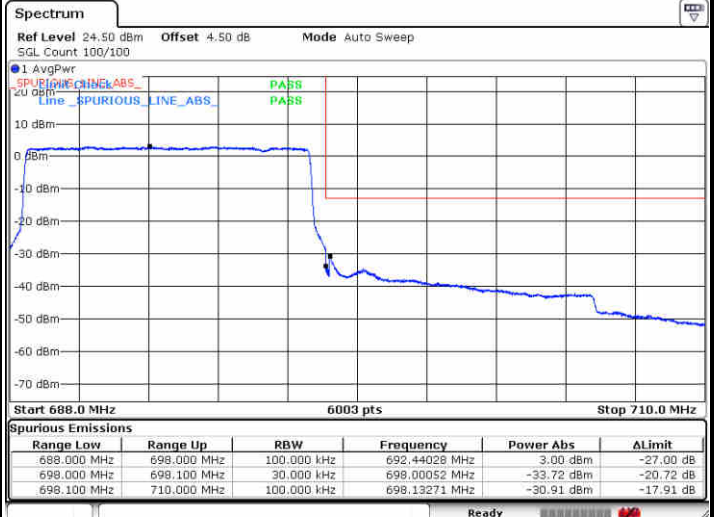
Date: 29.OCT.2019 15:10:32

Lowest Band Edge / Full RB



Date: 29.OCT.2019 14:59:52

Highest Band Edge / Full RB

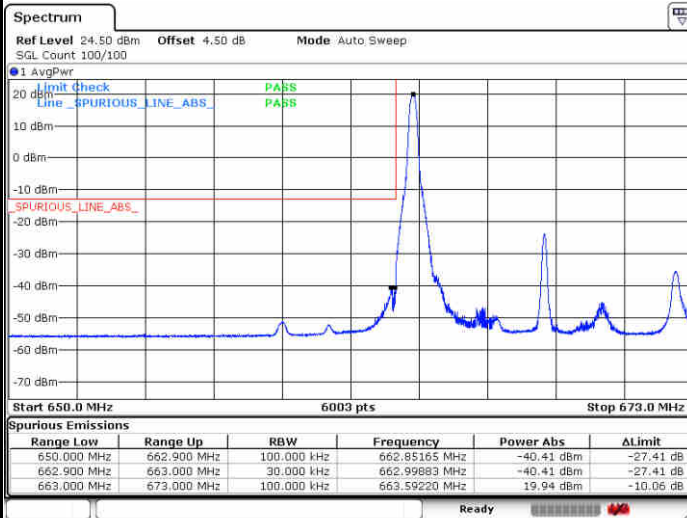


Date: 29.OCT.2019 15:15:13



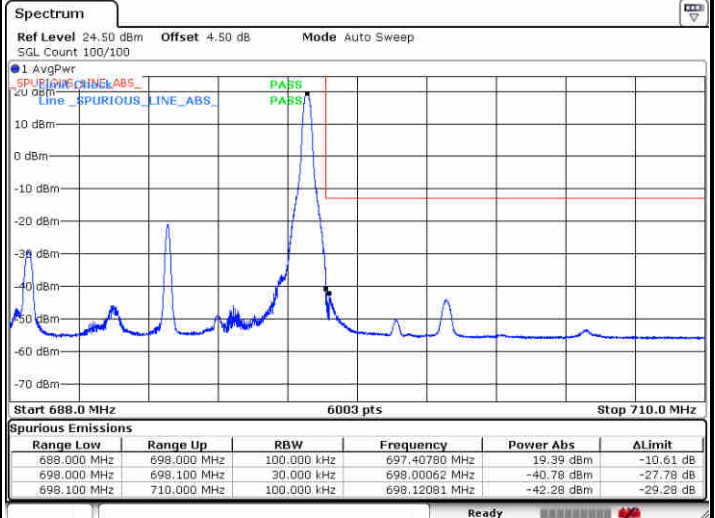
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



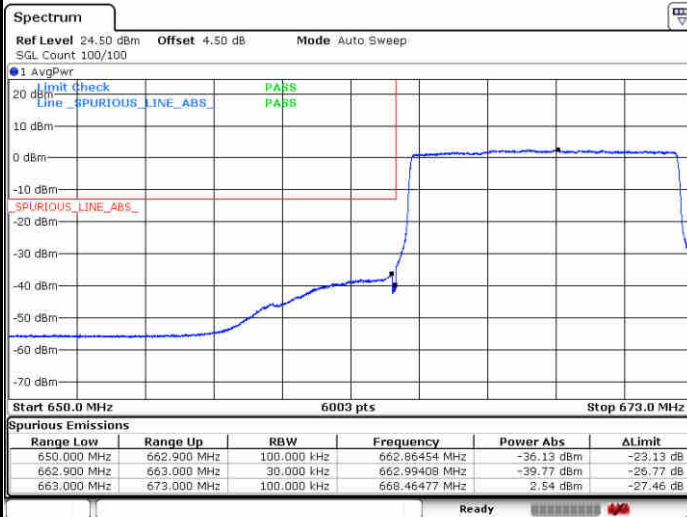
Date: 29.OCT.2019 15:03:09

Highest Band Edge / 1 RB



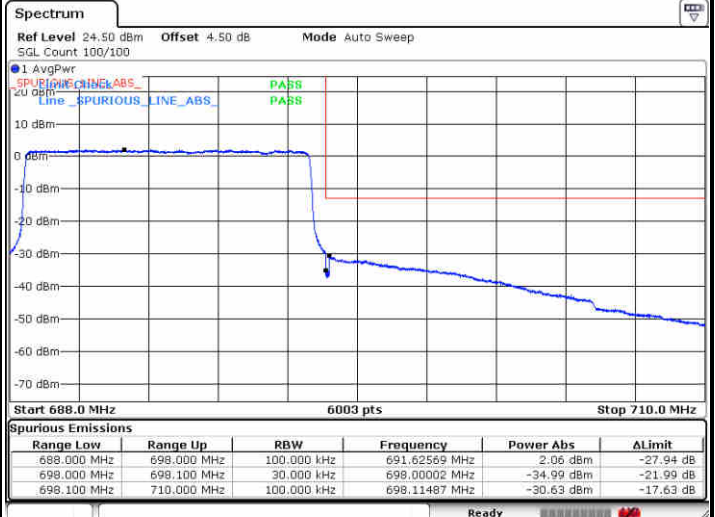
Date: 29.OCT.2019 15:11:31

Lowest Band Edge / Full RB



Date: 29.OCT.2019 15:00:40

Highest Band Edge / Full RB

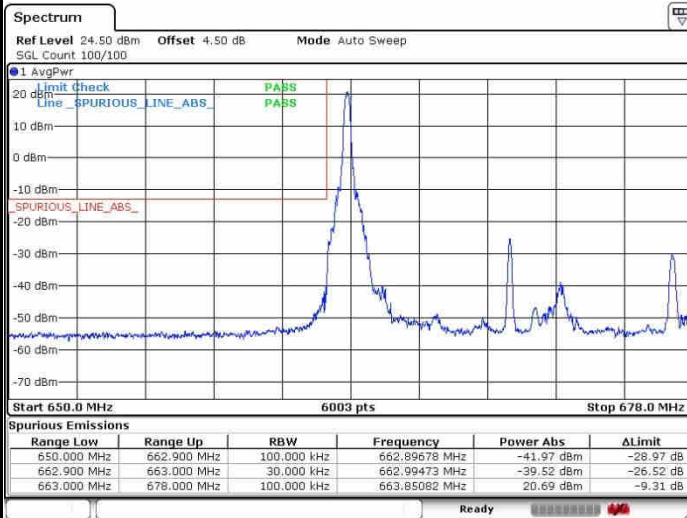


Date: 29.OCT.2019 15:14:19



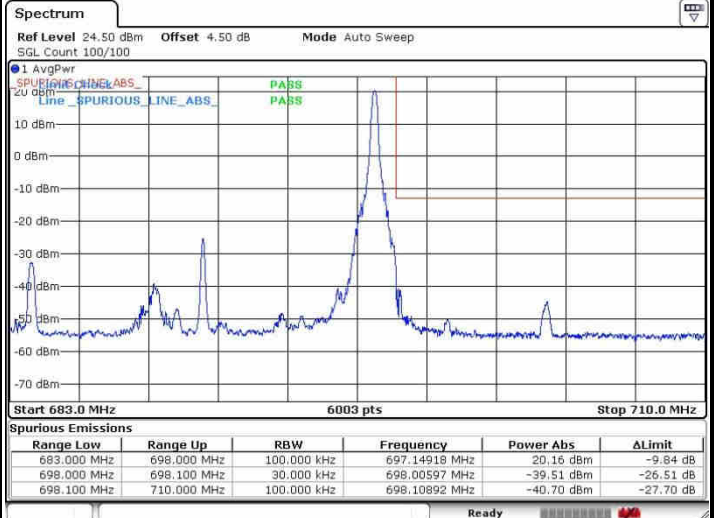
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



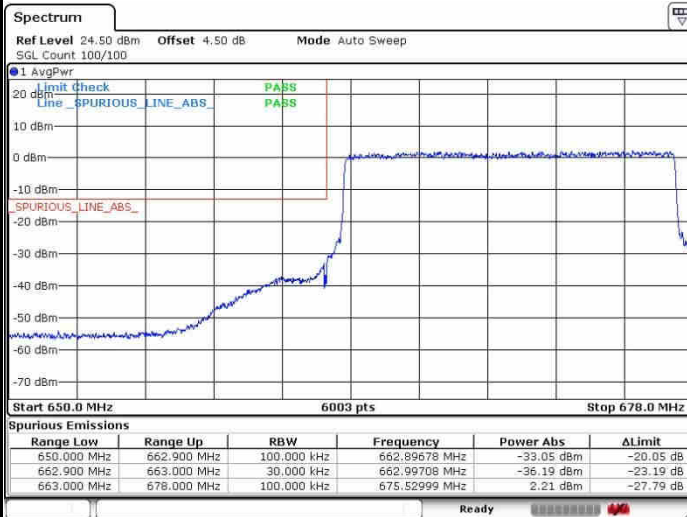
Date: 29.OCT.2019 17:02:00

Highest Band Edge / 1 RB



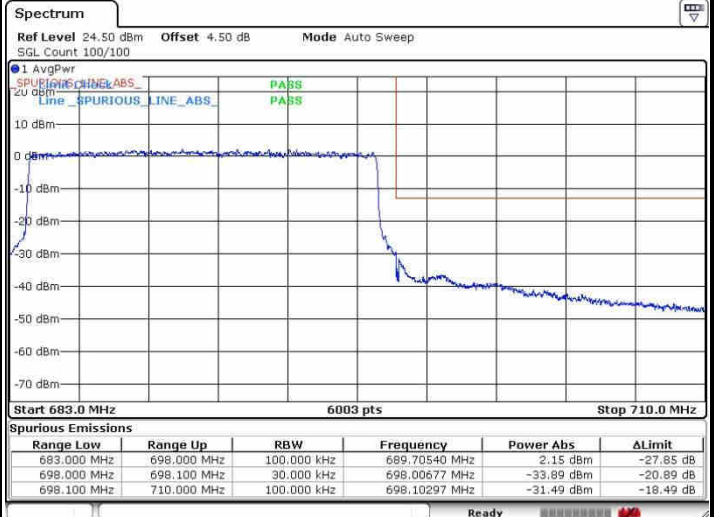
Date: 29.OCT.2019 16:58:22

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:02:18

Highest Band Edge / Full RB

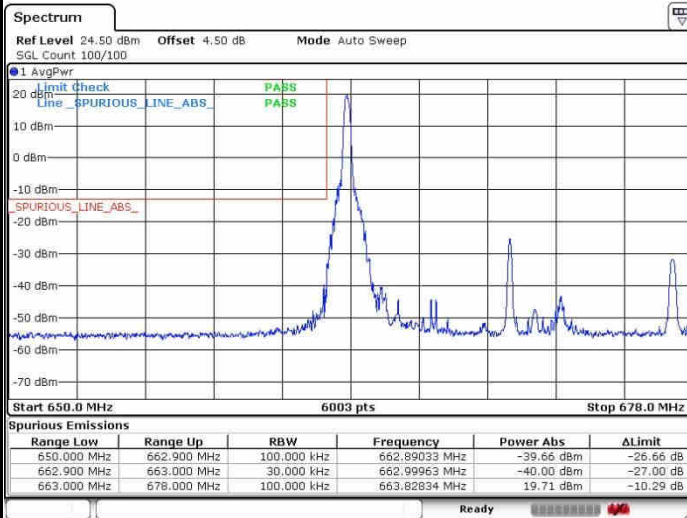


Date: 29.OCT.2019 16:57:44



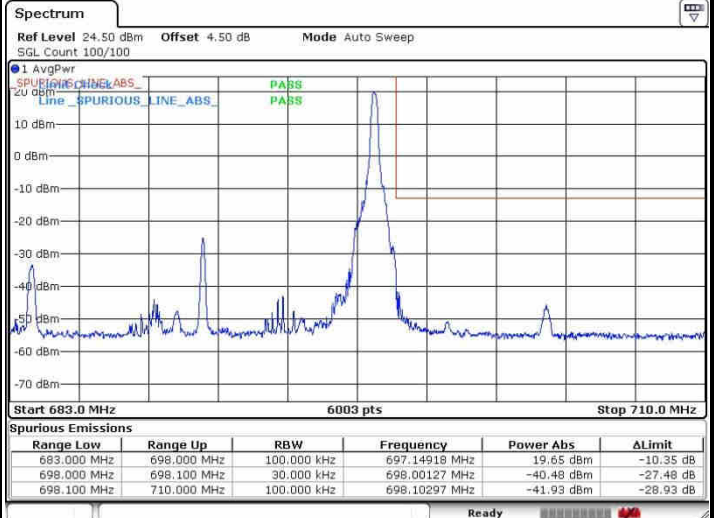
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



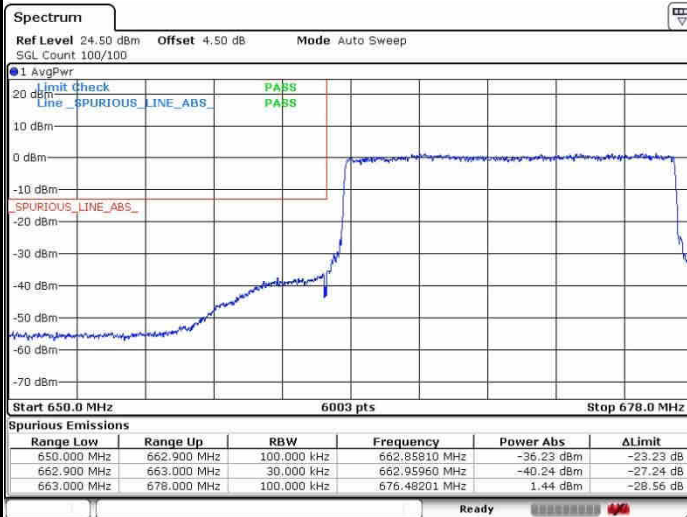
Date: 29.OCT.2019 17:01:37

Highest Band Edge / 1 RB



Date: 29.OCT.2019 16:58:48

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:02:42

Highest Band Edge / Full RB



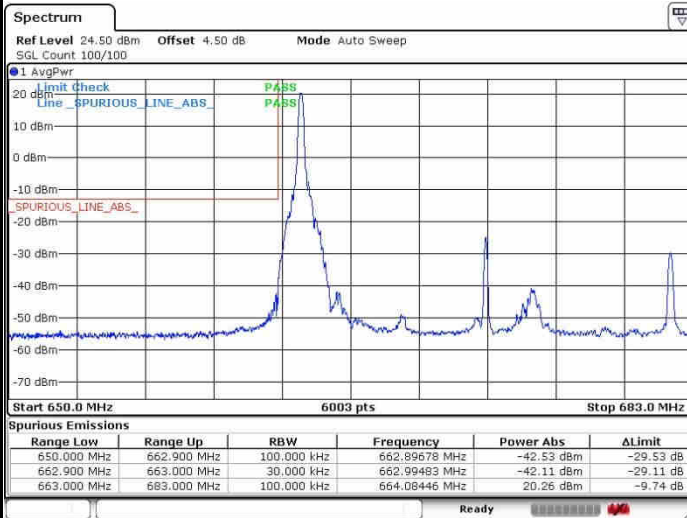
Date: 29.OCT.2019 16:57:21





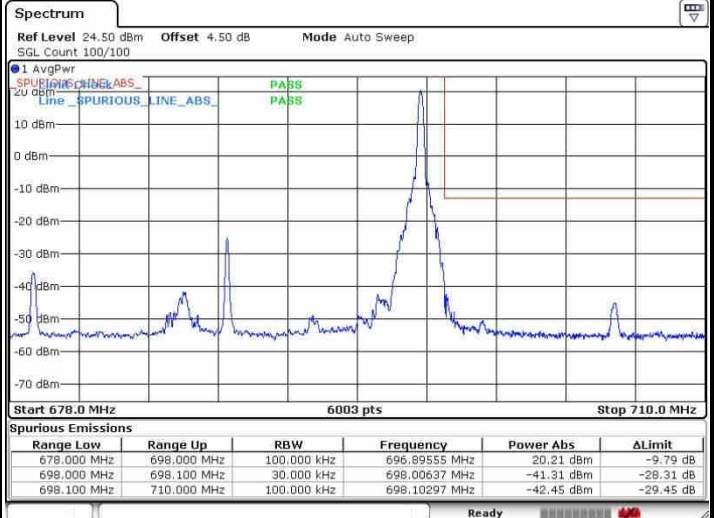
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



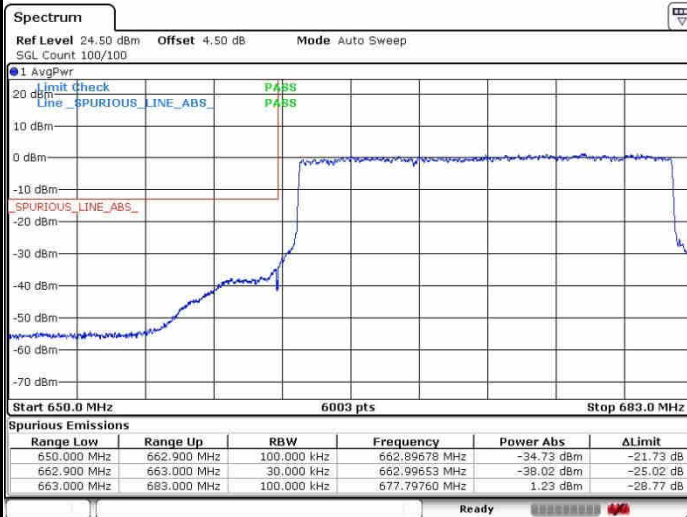
Date: 29.OCT.2019 17:06:43

Highest Band Edge / 1 RB



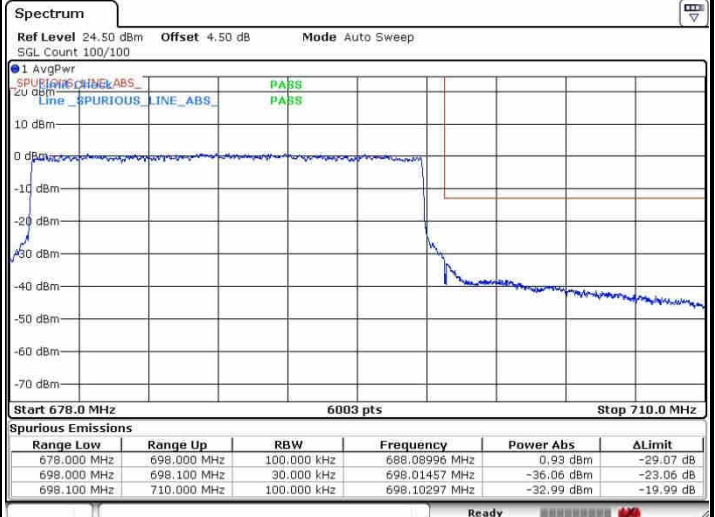
Date: 29.OCT.2019 17:10:05

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:06:23

Highest Band Edge / Full RB

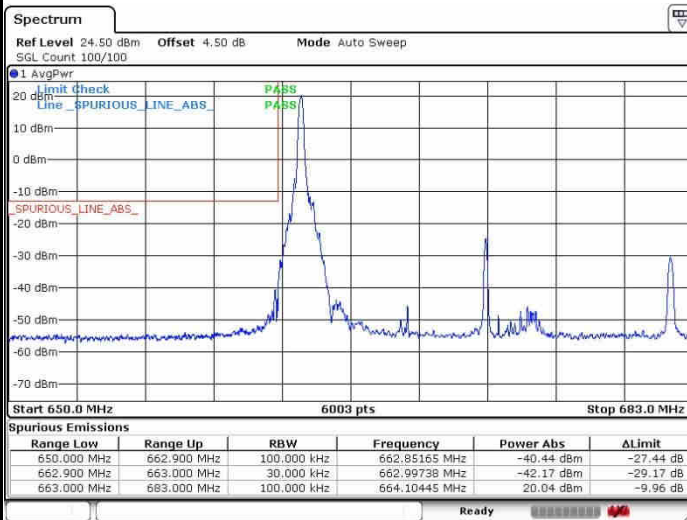


Date: 29.OCT.2019 17:10:29

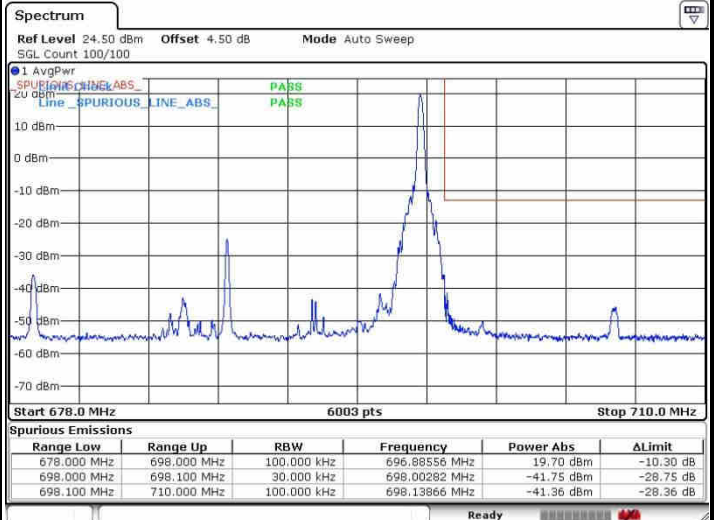


LTE Band 71 / 20MHz / 16QAM

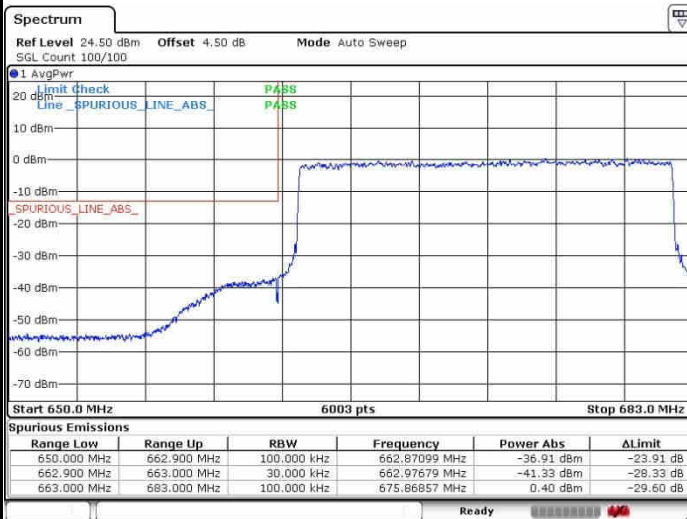
Lowest Band Edge / 1 RB



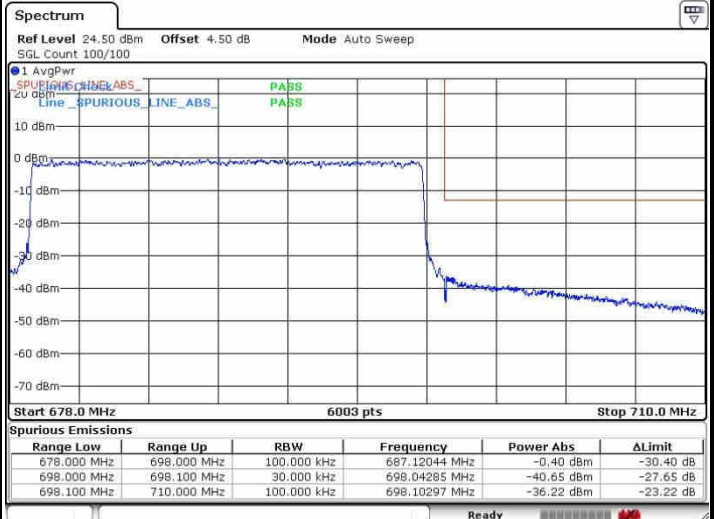
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



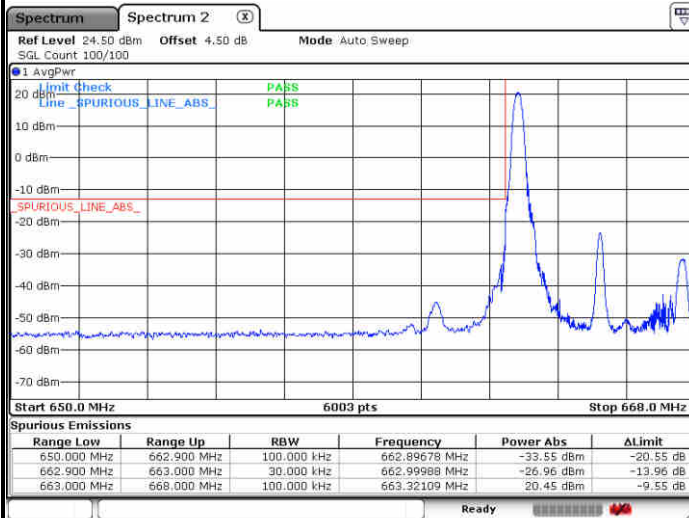
Highest Band Edge / Full RB





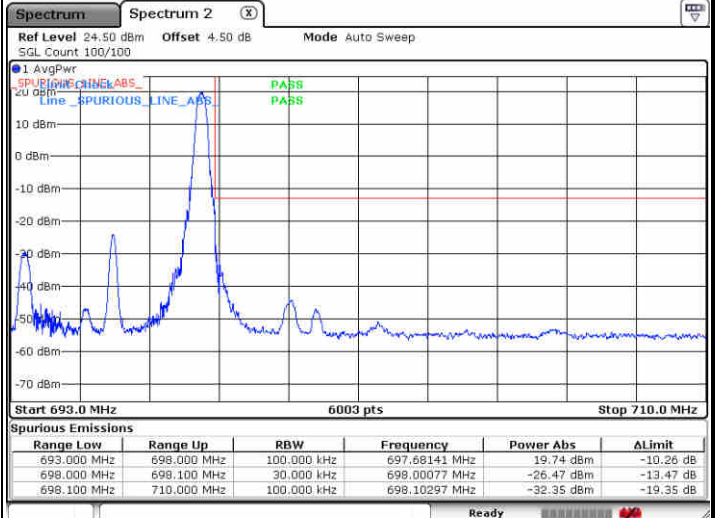
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



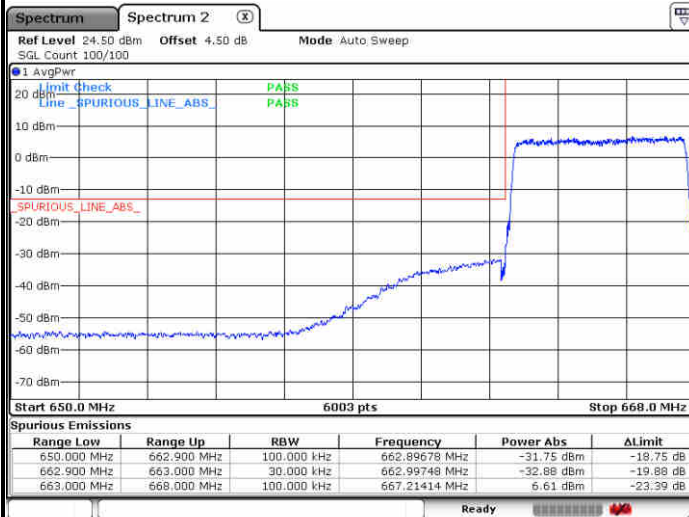
Date: 28.OCT.2019 17:25:14

Highest Band Edge / 1 RB



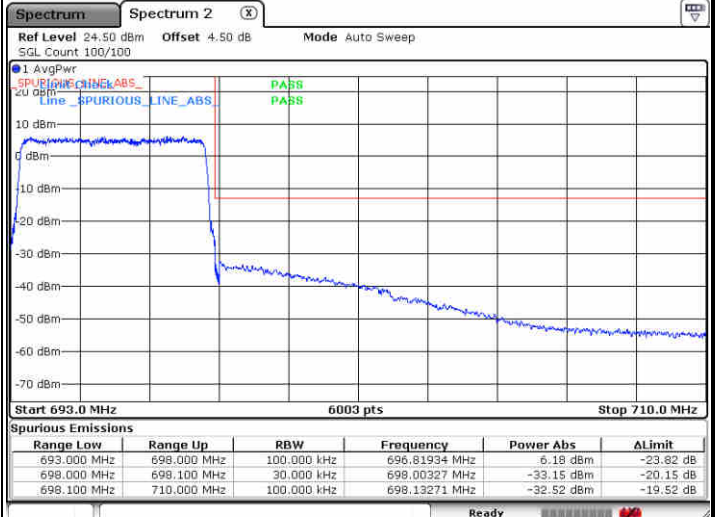
Date: 28.OCT.2019 17:32:02

Lowest Band Edge / Full RB



Date: 28.OCT.2019 17:27:51

Highest Band Edge / Full RB

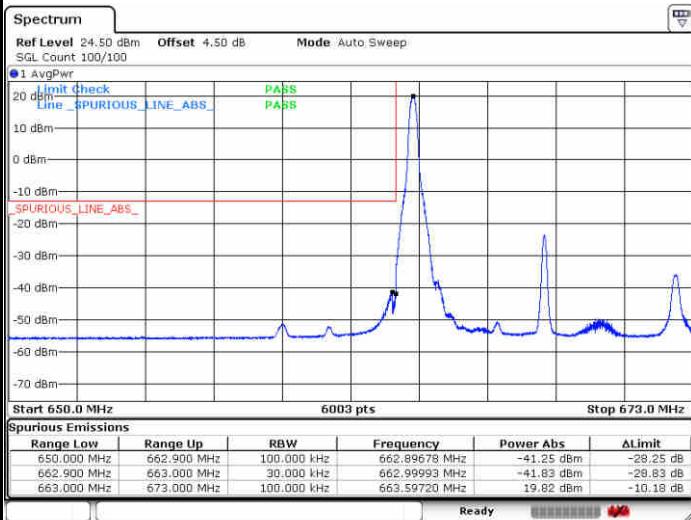


Date: 28.OCT.2019 17:29:26

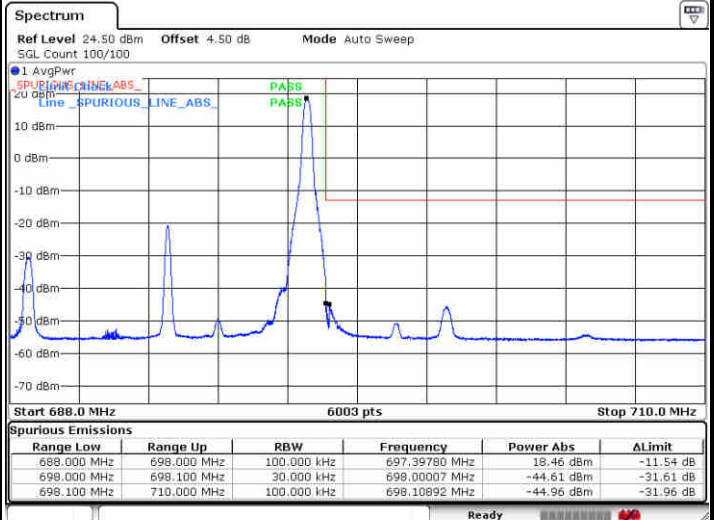


LTE Band 71 / 10MHz / 64QAM

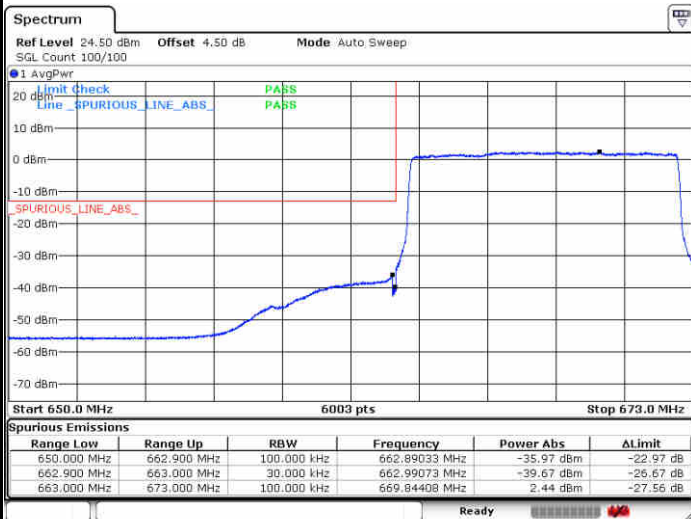
Lowest Band Edge / 1 RB



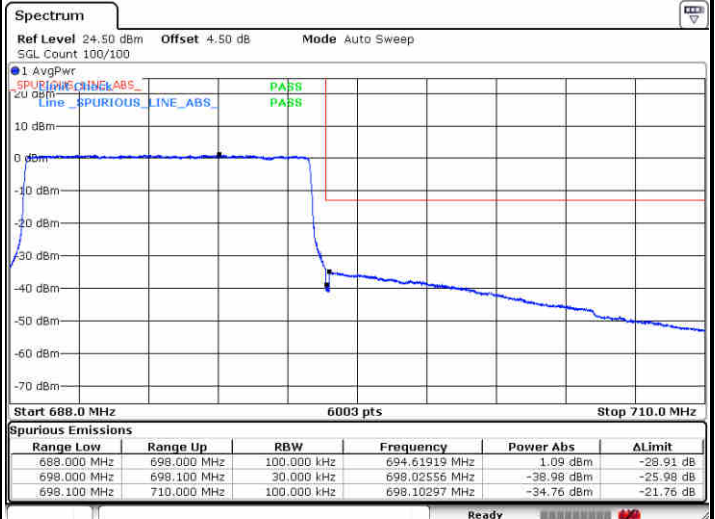
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



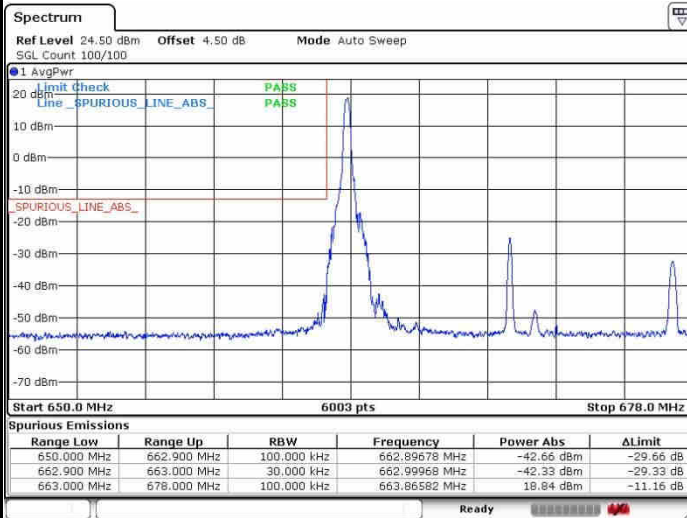
Highest Band Edge / Full RB





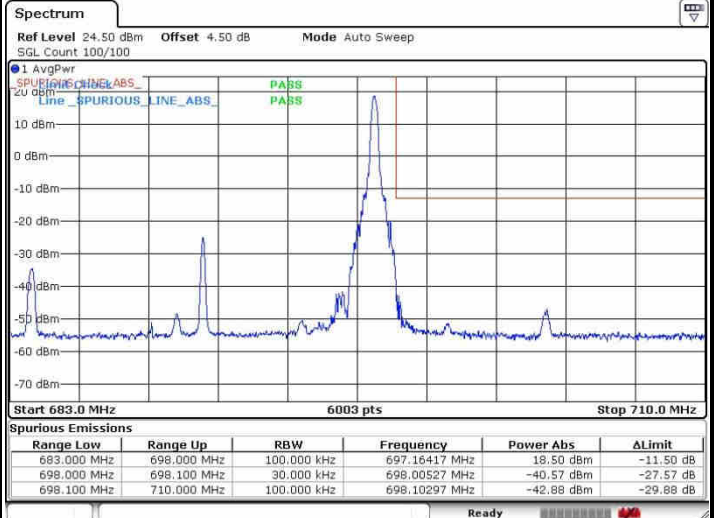
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



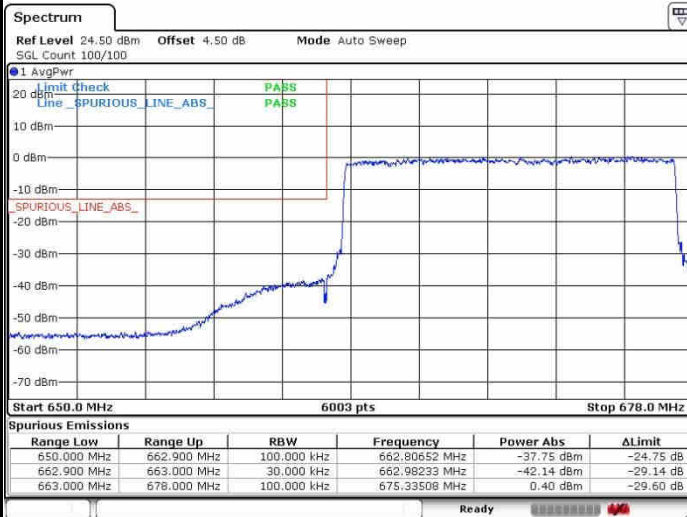
Date: 29.OCT.2019 17:01:04

Highest Band Edge / 1 RB



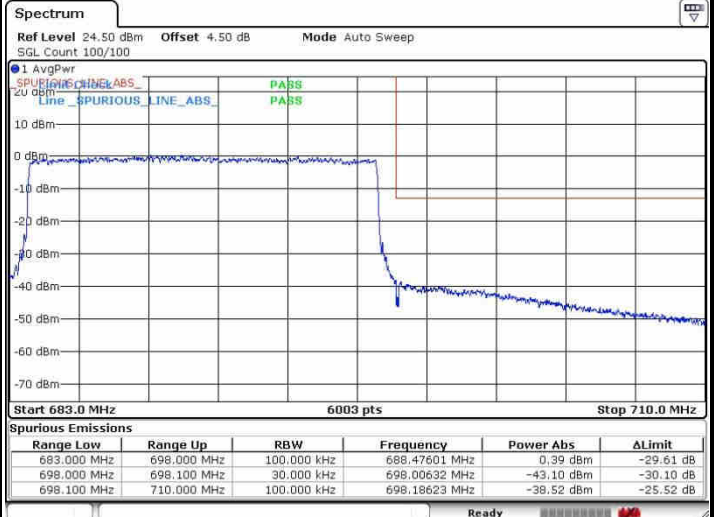
Date: 29.OCT.2019 16:59:25

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:03:02

Highest Band Edge / Full RB

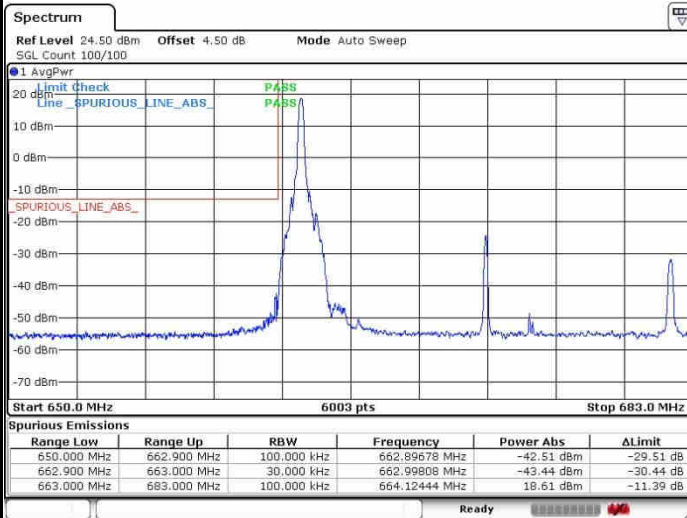


Date: 29.OCT.2019 16:56:26



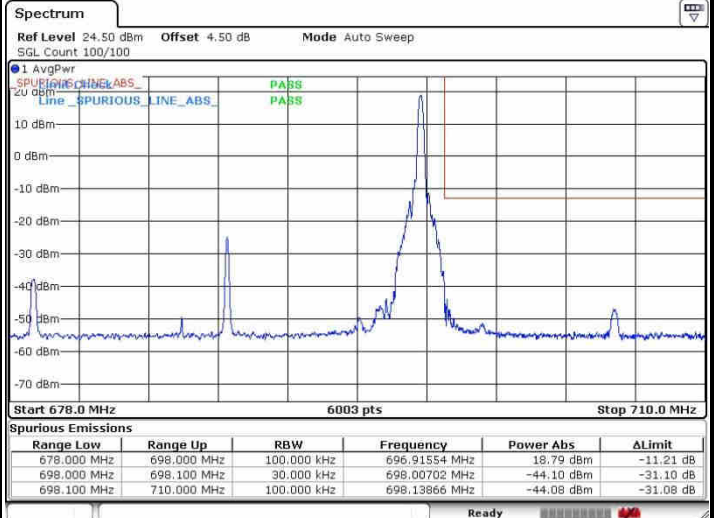
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



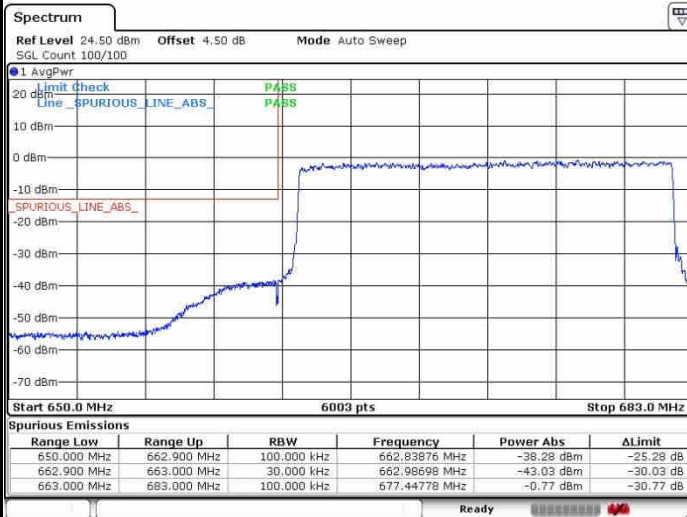
Date: 29.OCT.2019 17:07:27

Highest Band Edge / 1 RB



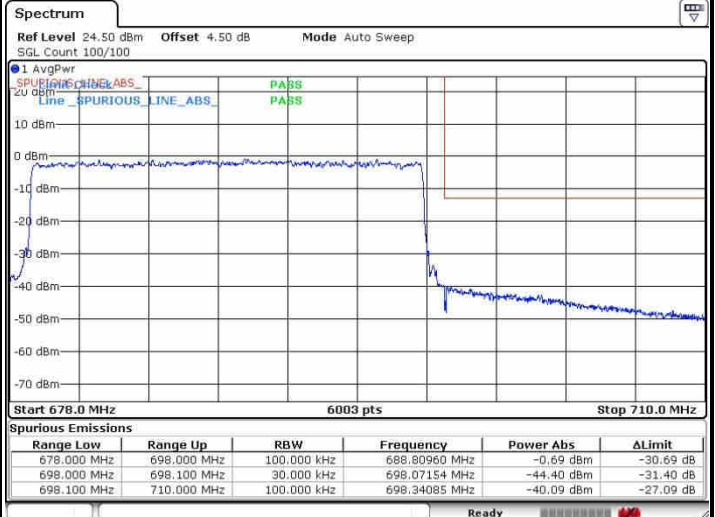
Date: 29.OCT.2019 17:09:05

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:05:26

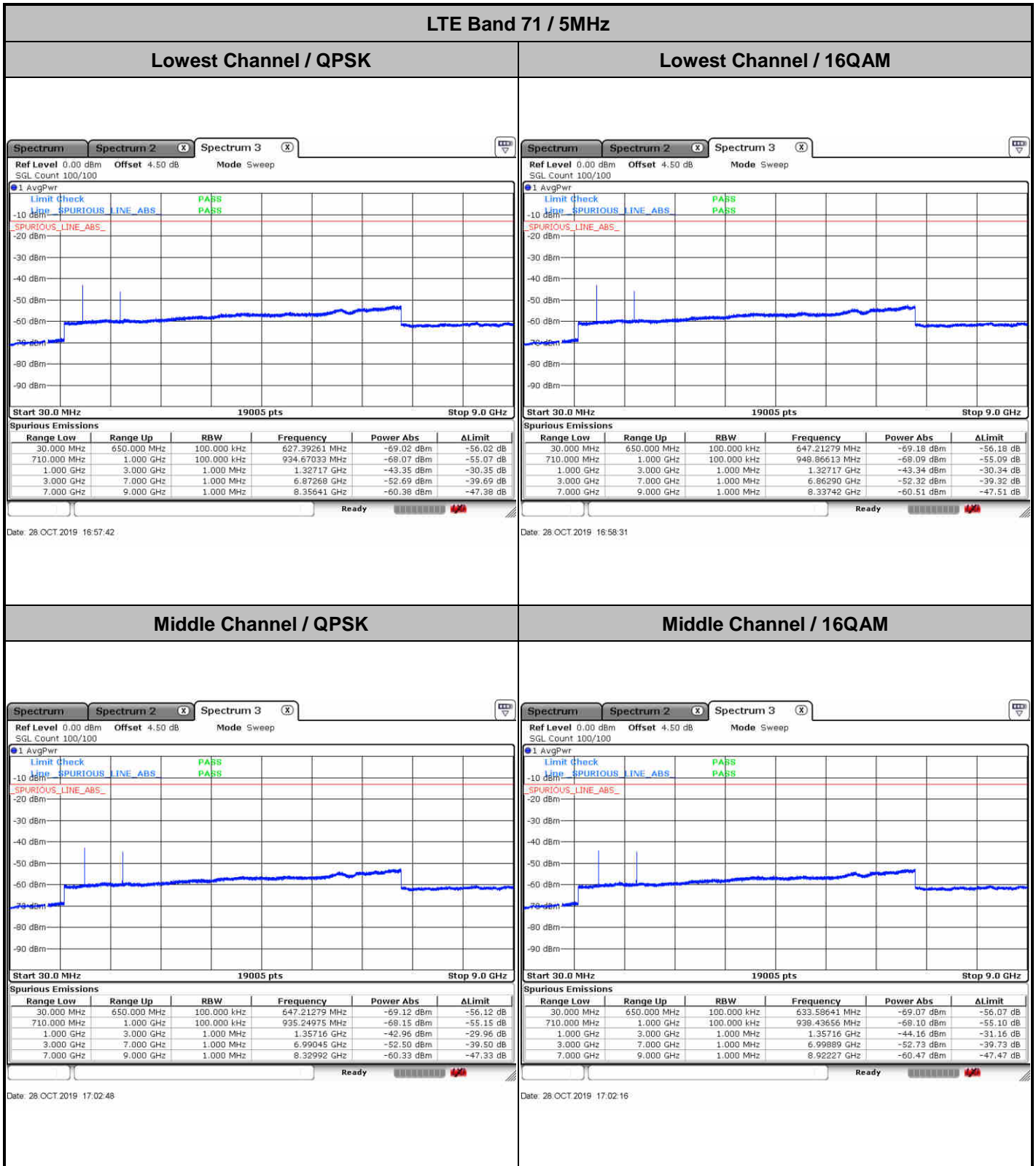
Highest Band Edge / Full RB



Date: 29.OCT.2019 17:11:18



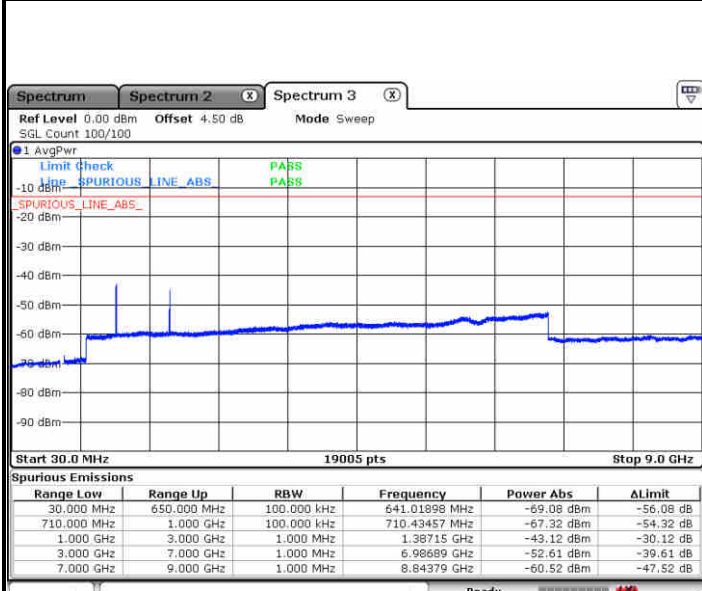
# Conducted Spurious Emission





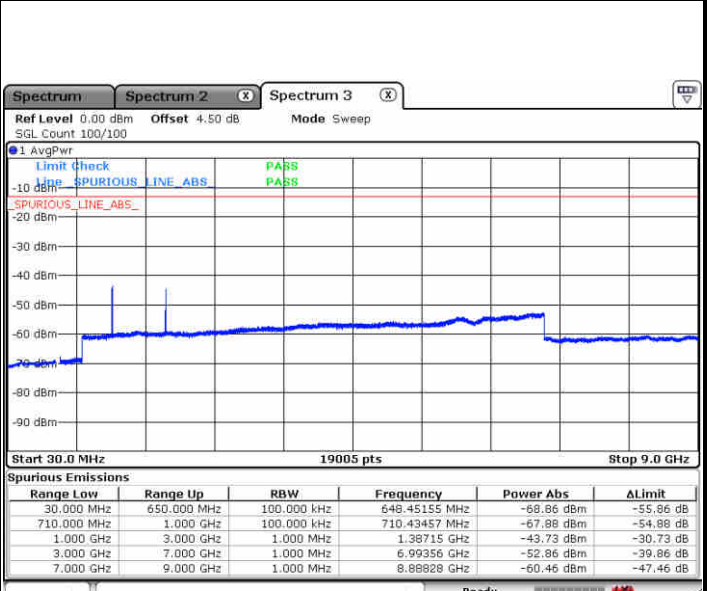
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 28 OCT 2019 17:09:44

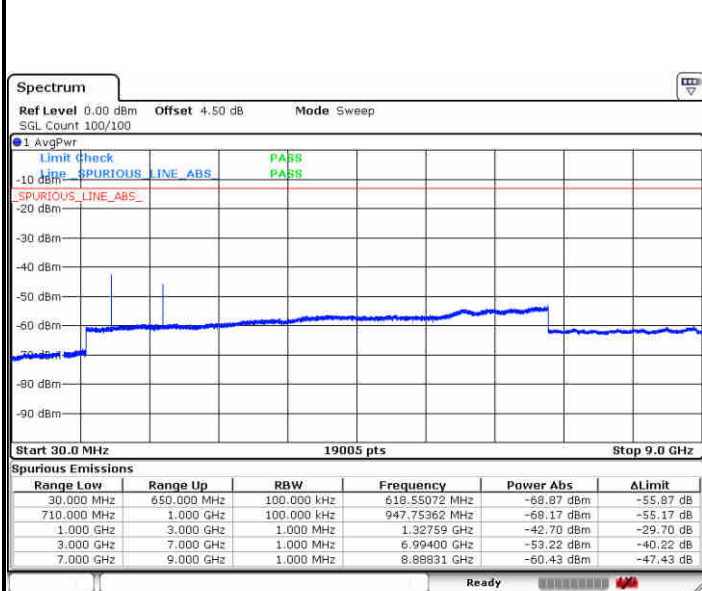
Highest Channel / 16QAM



Date: 28 OCT 2019 17:10:23

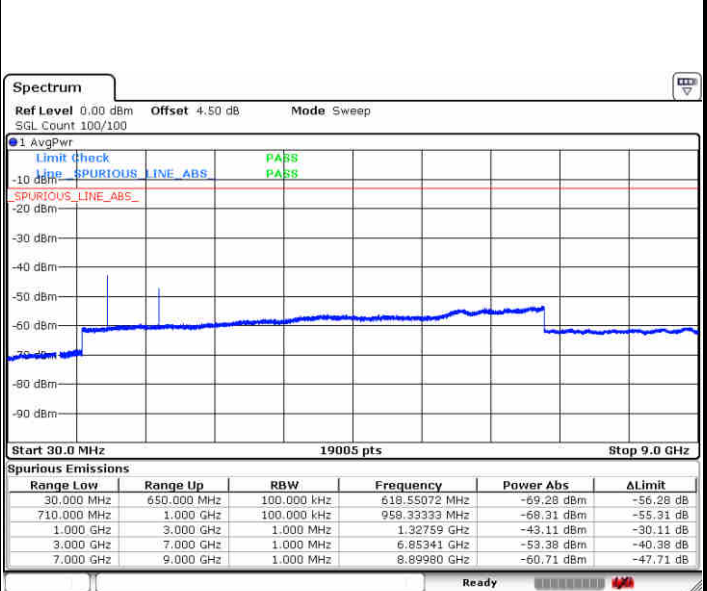
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 29 OCT 2019 15:26:46

Lowest Channel / 16QAM



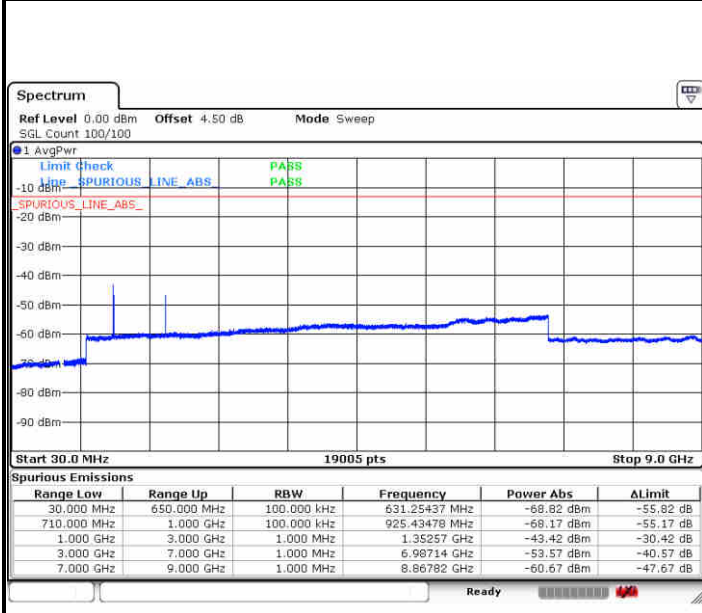
Date: 29 OCT 2019 15:27:28





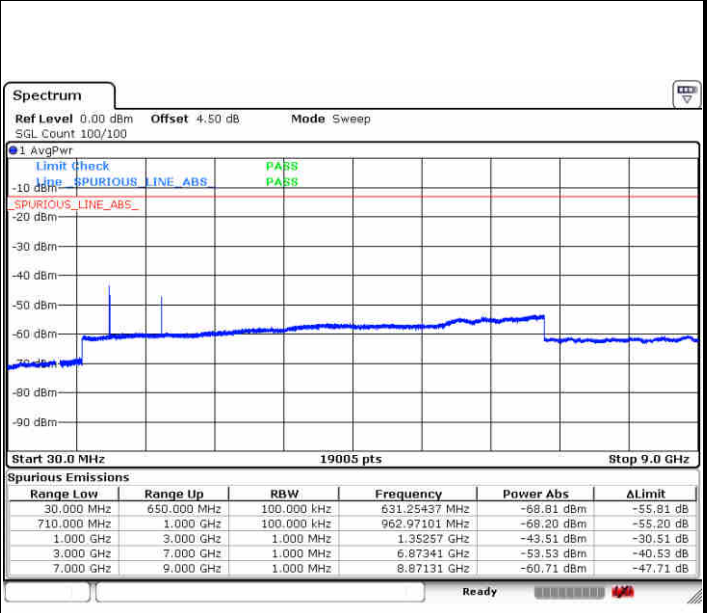
LTE Band 71 / 10MHz

Middle Channel / QPSK



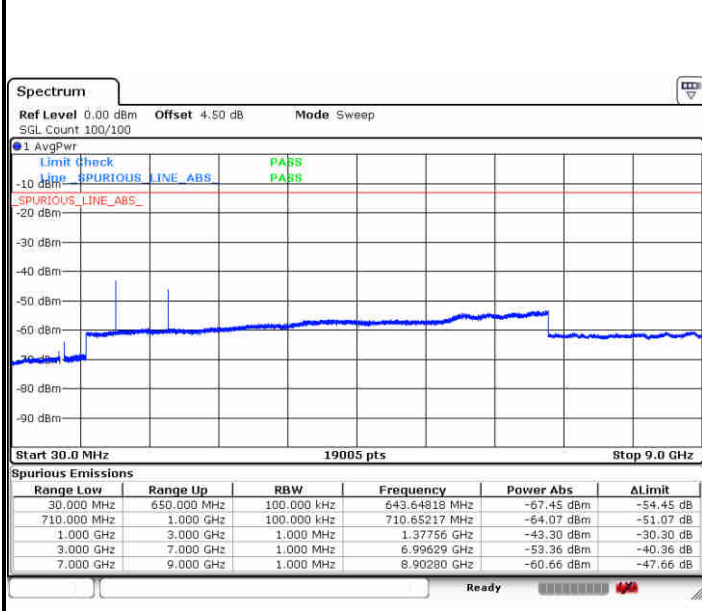
Date: 29.OCT.2019 15:26:06

Middle Channel / 16QAM



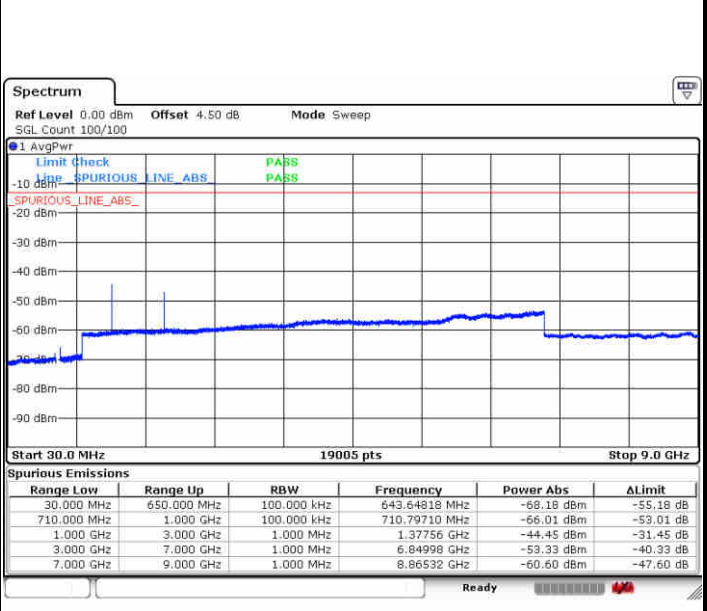
Date: 29.OCT.2019 15:25:35

Highest Channel / QPSK



Date: 29.OCT.2019 15:22:49

Highest Channel / 16QAM



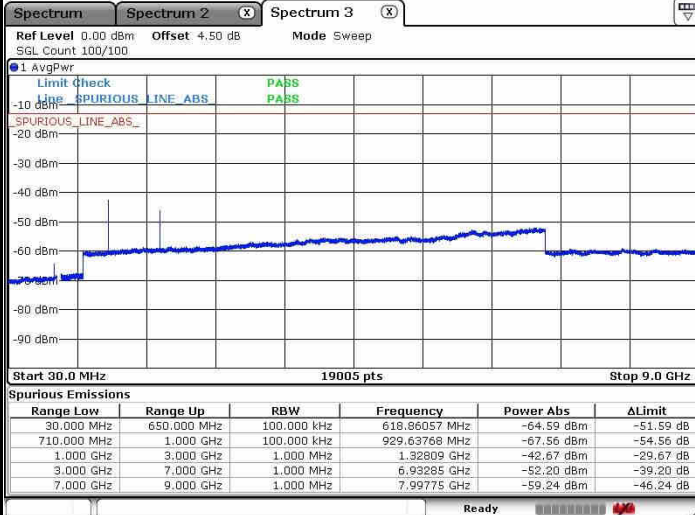
Date: 29.OCT.2019 15:23:45



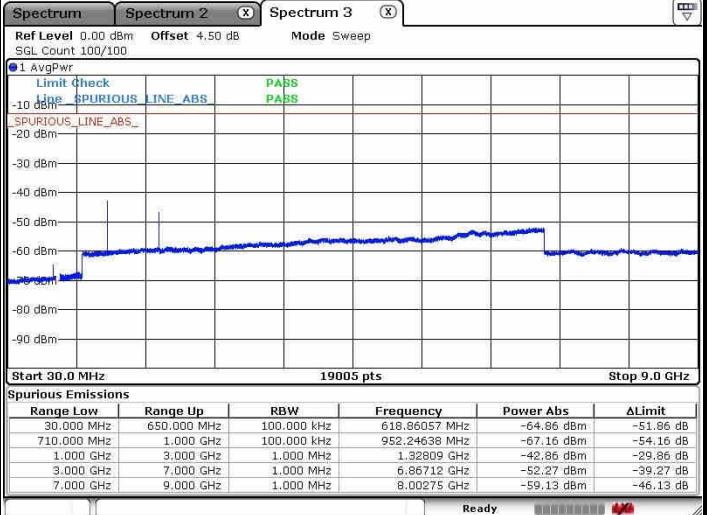
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



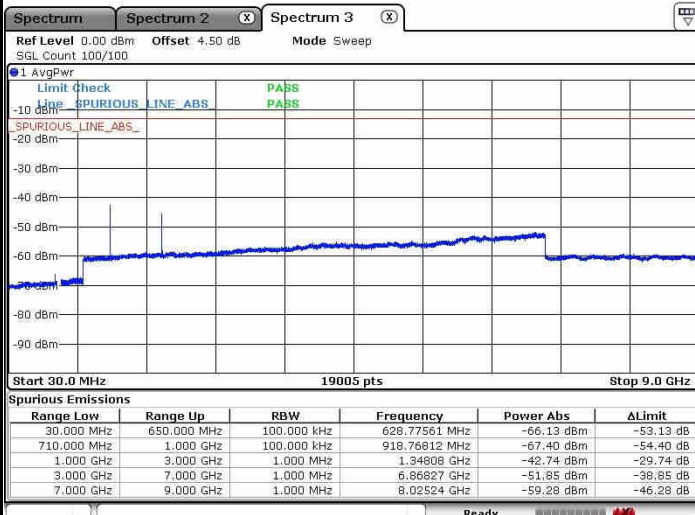
Date: 29.OCT.2019 16:37:19



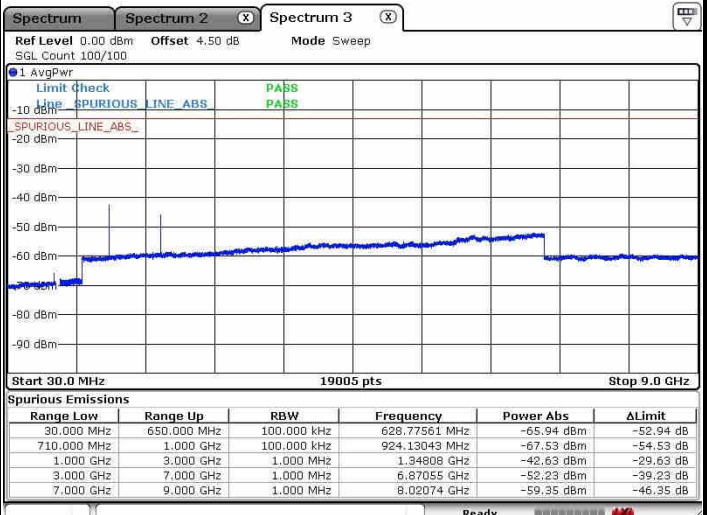
Date: 29.OCT.2019 16:38:44

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29.OCT.2019 16:38:02



Date: 29.OCT.2019 16:38:39



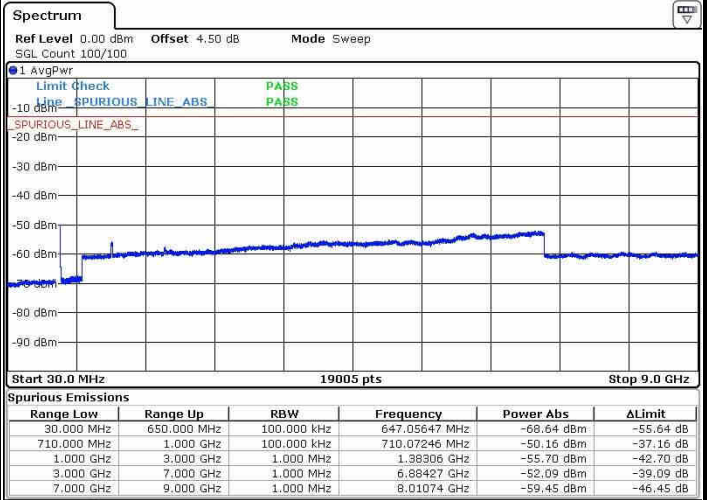
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 29.OCT.2019 17:38:54

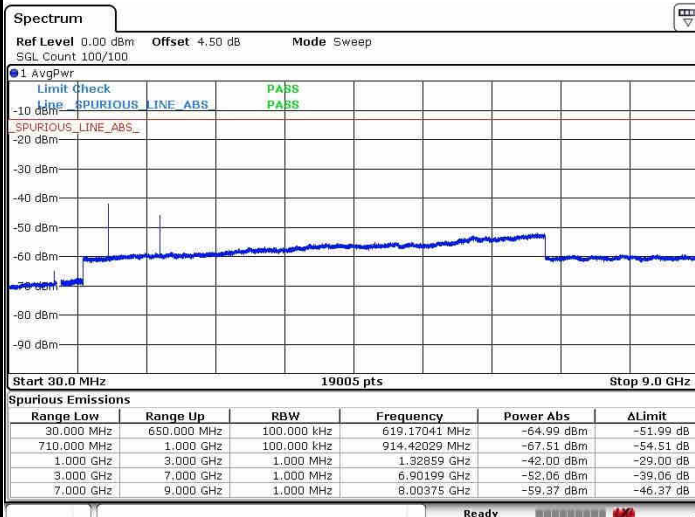
Highest Channel / 16QAM



Date: 29.OCT.2019 17:38:23

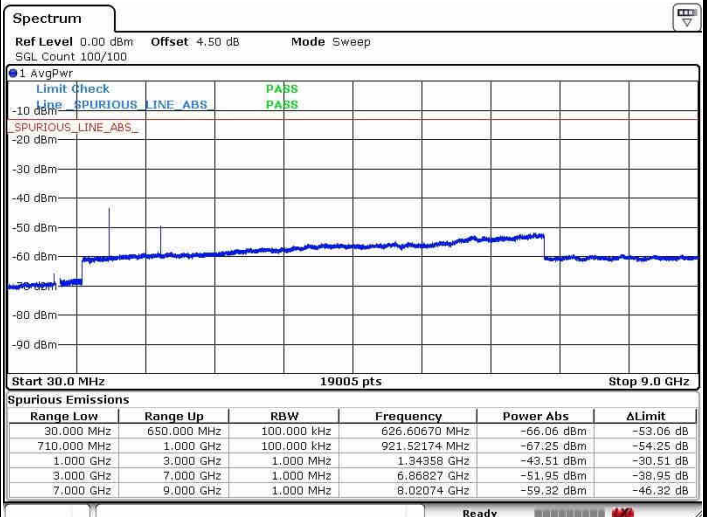
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 29.OCT.2019 17:29:56

Lowest Channel / 16QAM



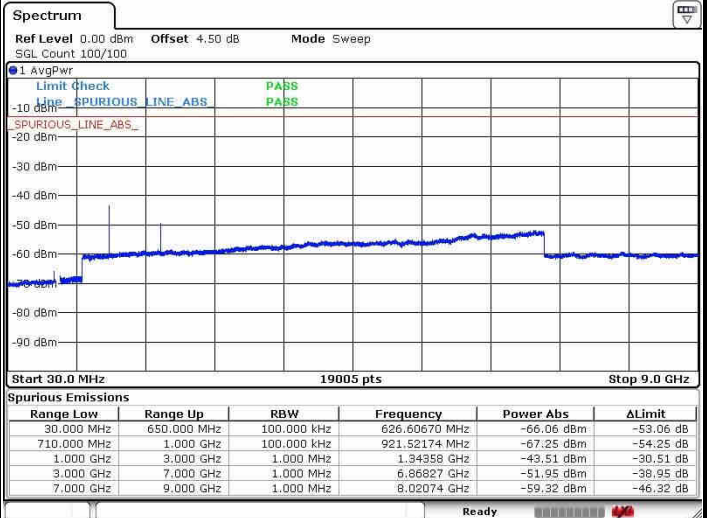
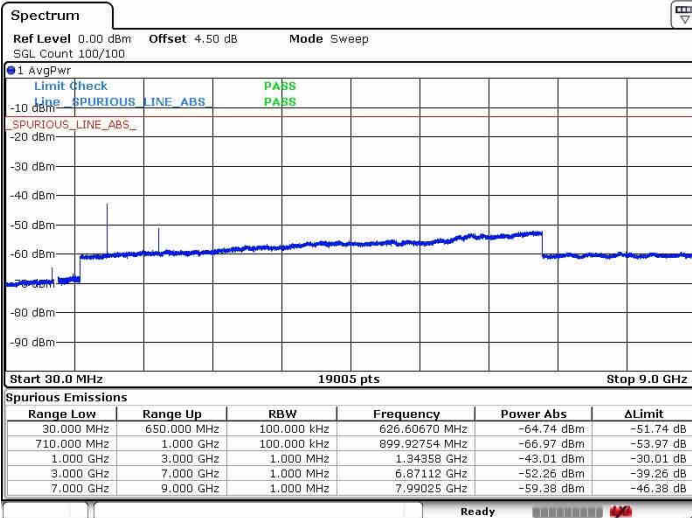
Date: 29.OCT.2019 17:32:59



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

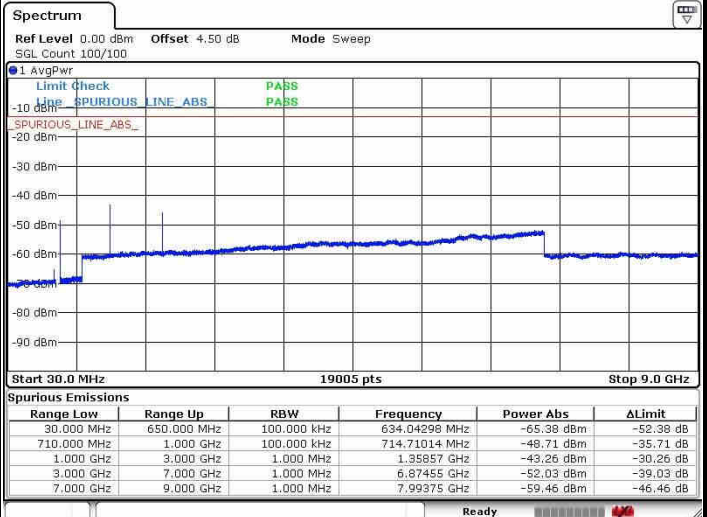
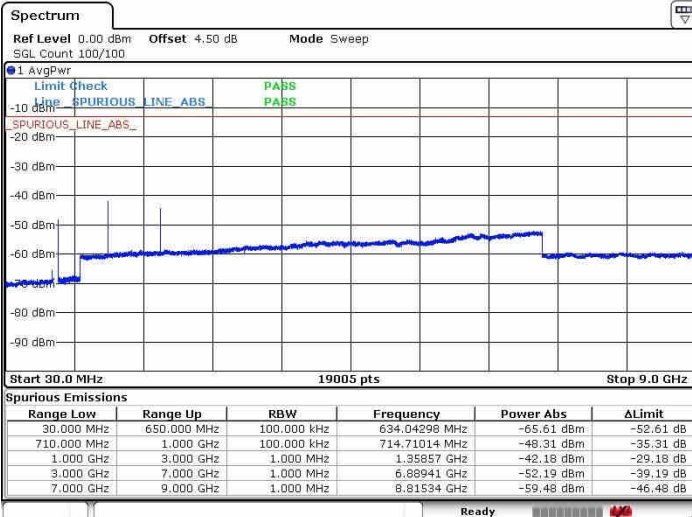


Date: 29.OCT.2019 17:33:32

Date: 29.OCT.2019 17:32:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2019 17:34:29

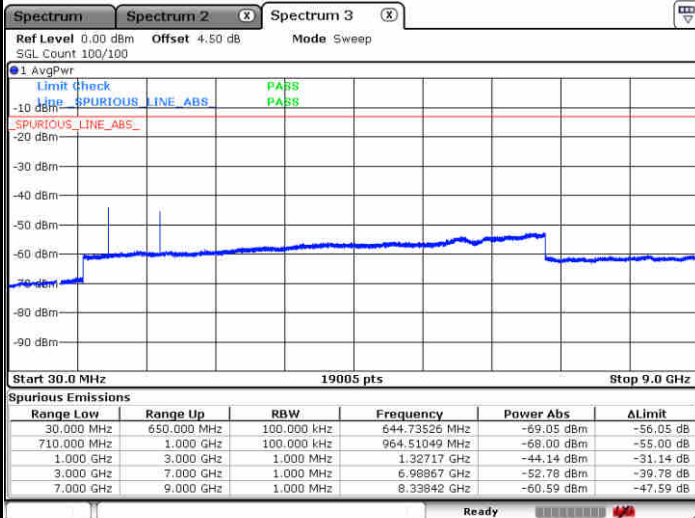
Date: 29.OCT.2019 17:35:06



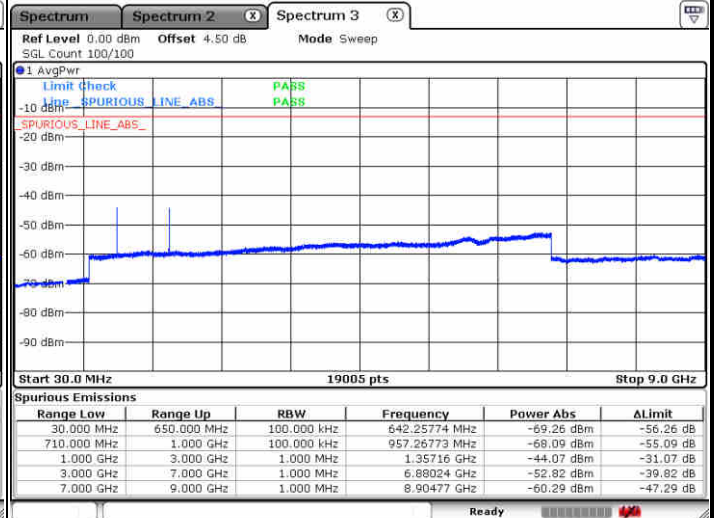
LTE Band 71 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

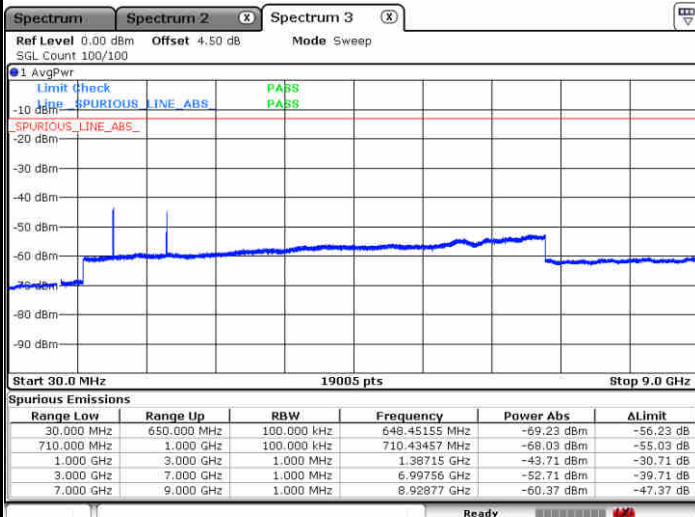


Date: 28 OCT 2019 17:00:43



Date: 28 OCT 2019 17:01:44

Highest Channel / 64QAM

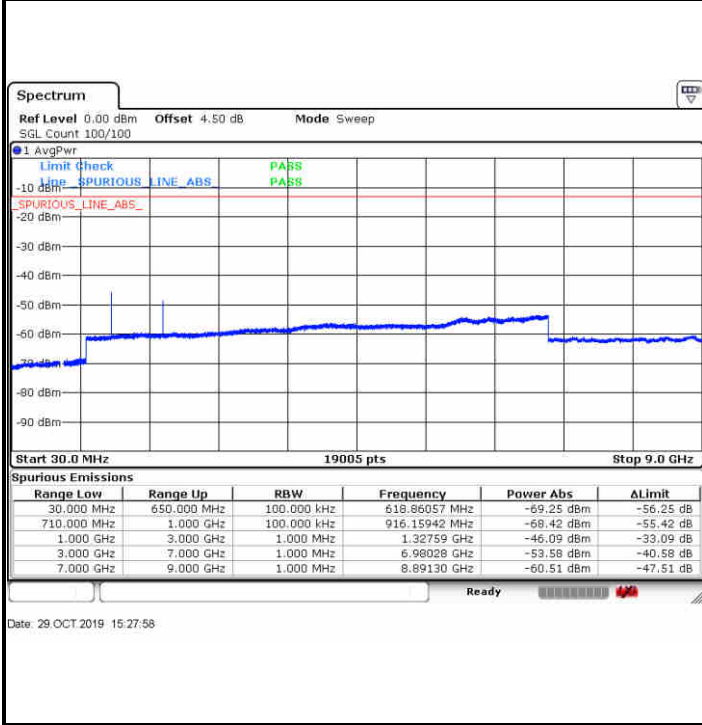


Date: 28 OCT 2019 17:10:53

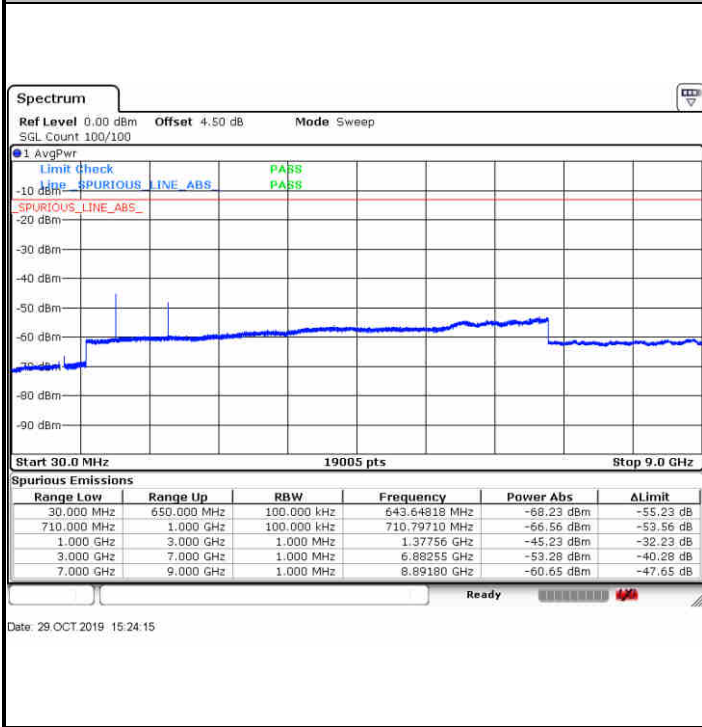


**LTE Band 71 / 10MHz**

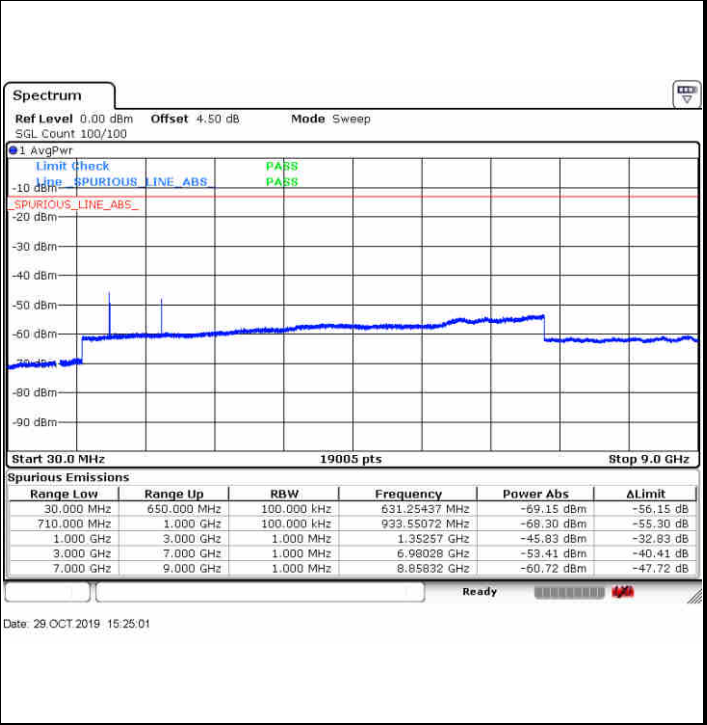
**Lowest Channel / 64QAM**



**Middle Channel / 64QAM**



**Highest Channel / 64QAM**

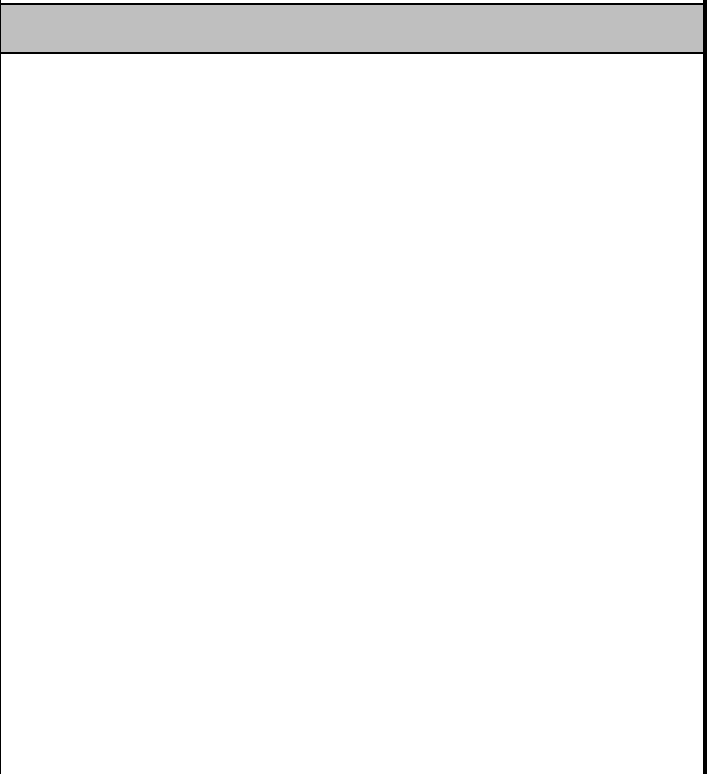
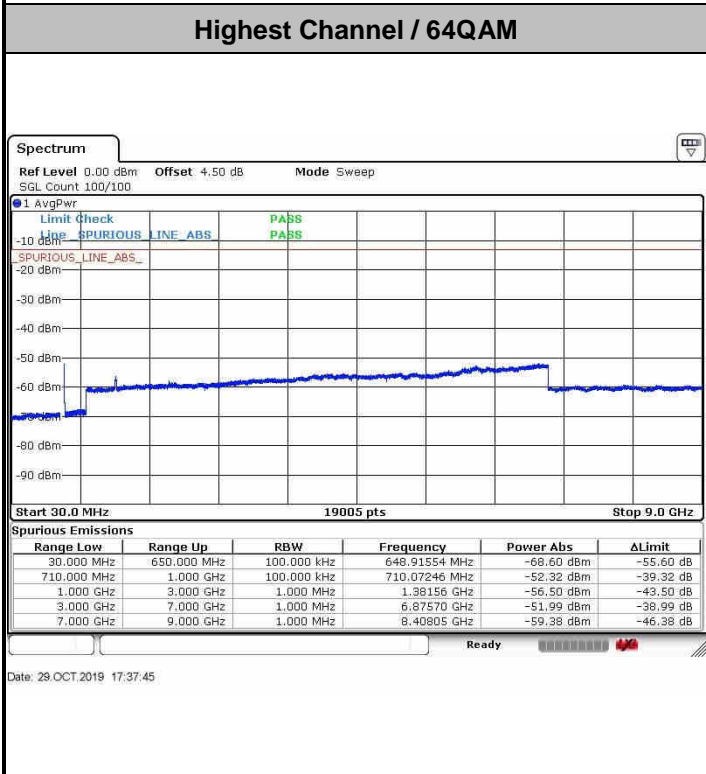
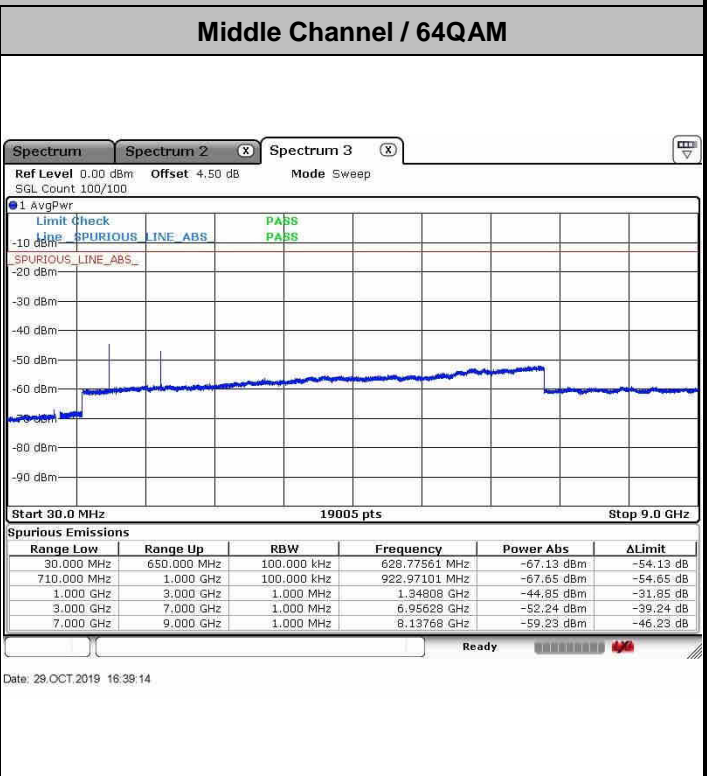
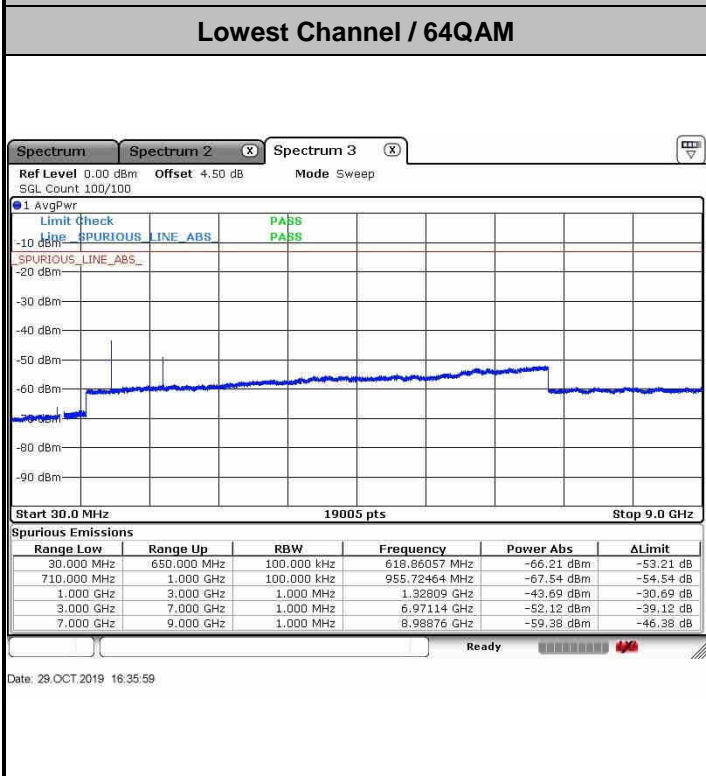


**Lowest Channel / 64QAM**





**LTE Band 71 / 15MHz**

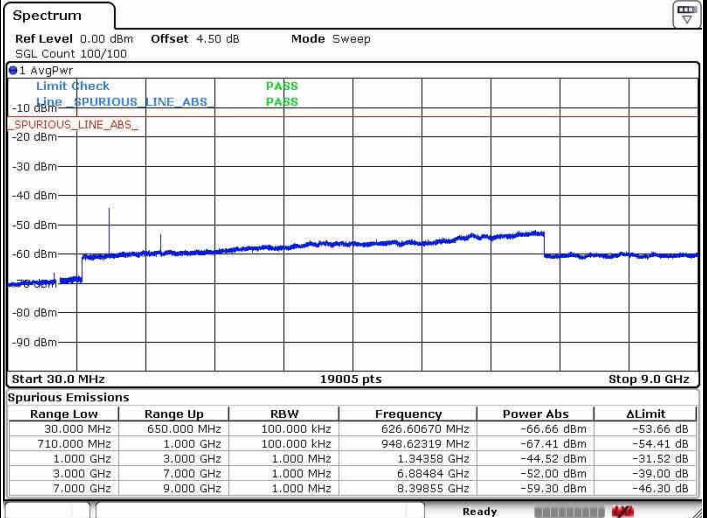
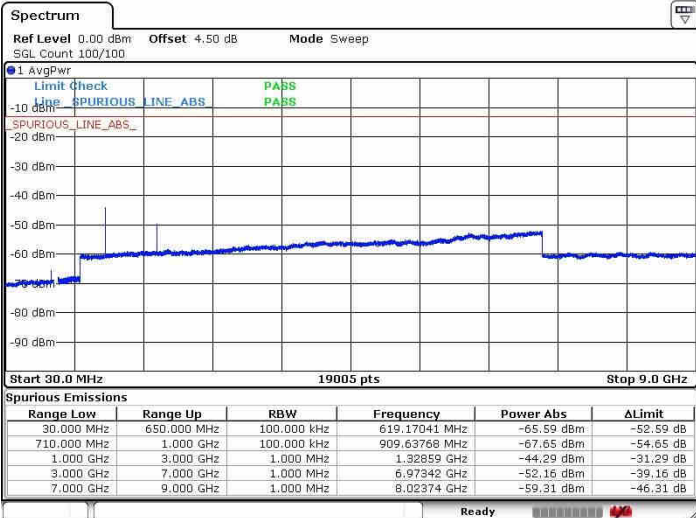




LTE Band 71 / 20MHz

Lowest Channel / 64QAM

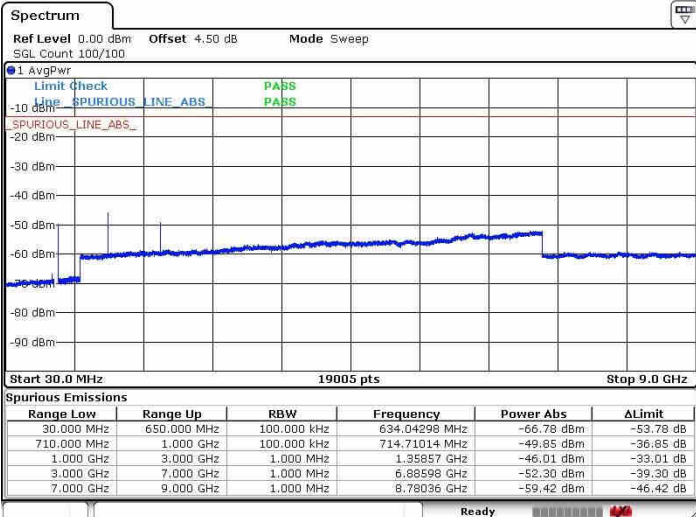
Middle Channel / 64QAM



Date: 29.OCT.2019 17:31:49

Date: 29.OCT.2019 17:32:28

Highest Channel / 64QAM



Date: 29.OCT.2019 17:35:41





### Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0050	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage =3.8 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41\_CA

## 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.83	24.98	30.03	24.98	30.57
Middle CH	24.73	24.93	29.97	25.03	30.75
Highest CH	24.73	25.03	29.91	25.03	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.83	30.09	35.11	39.64
Middle CH	34.97	24.83	29.97	34.90	39.88
Highest CH	34.90	24.83	30.15	34.97	39.80

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.48	24.83	29.91	25.13	30.57
Middle CH	24.68	25.08	29.97	25.38	30.57
Highest CH	24.73	25.08	29.79	25.03	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.83	30.03	34.83	39.88
Middle CH	34.90	24.78	29.97	34.97	39.72
Highest CH	34.97	24.93	30.03	34.90	39.96

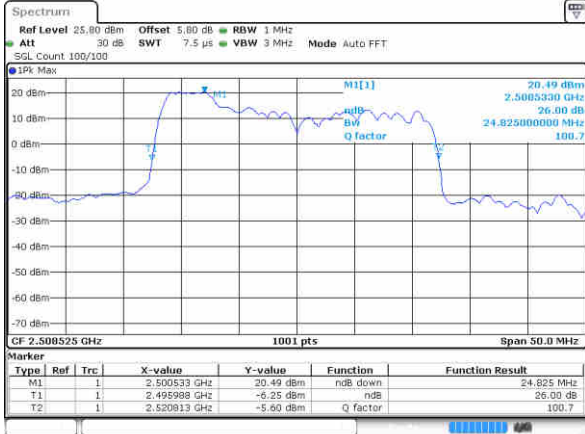
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.08	29.85	25.13	30.57
Middle CH	24.63	25.03	29.79	25.23	30.63
Highest CH	24.78	25.13	29.97	25.77	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.68	30.03	34.69	39.88
Middle CH	35.11	24.73	29.79	34.90	39.88
Highest CH	34.90	24.83	30.09	34.76	39.88



LTE Band 41

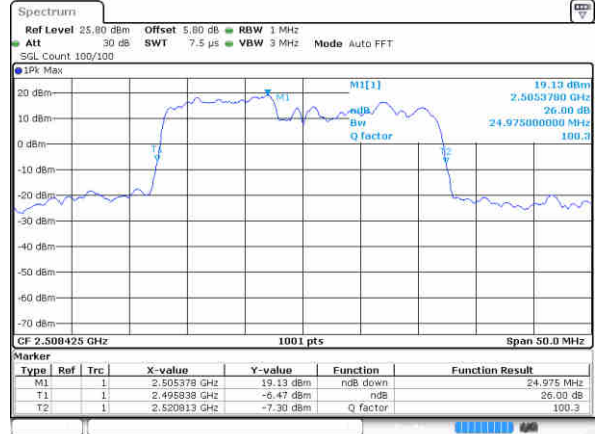
QPSK

Lowest Channel / 5MHz+20MHz



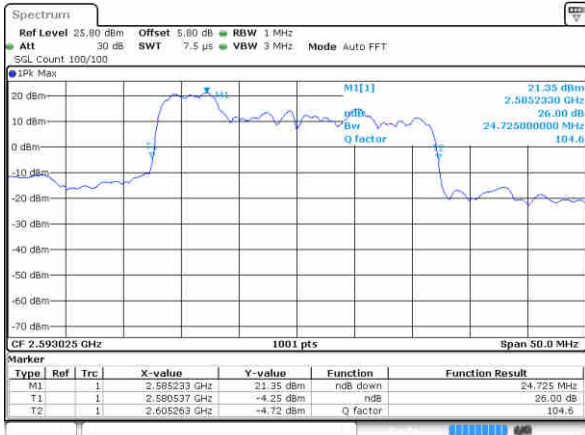
Date: 4 NOV 2019 16:10:14

Lowest Channel / 10MHz+15MHz



Date: 4 NOV 2019 16:23:19

Middle Channel / 5MHz+20MHz



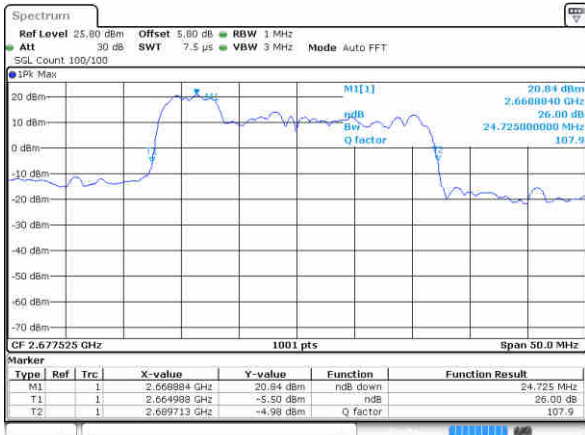
Date: 4 NOV 2019 16:11:35

Middle Channel / 10MHz+15MHz



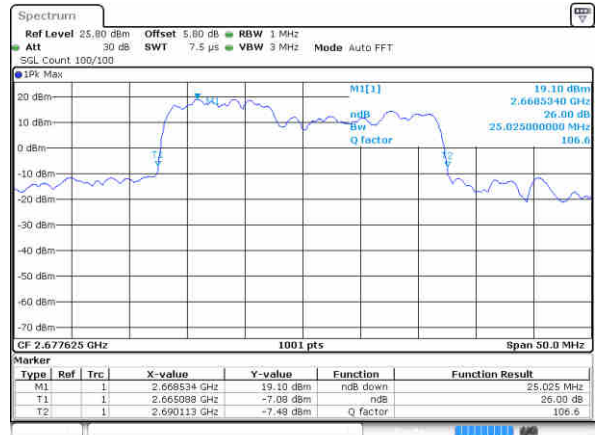
Date: 4 NOV 2019 16:24:13

Highest Channel / 5MHz+20MHz



Date: 4 NOV 2019 16:14:24

Highest Channel / 10MHz+15MHz



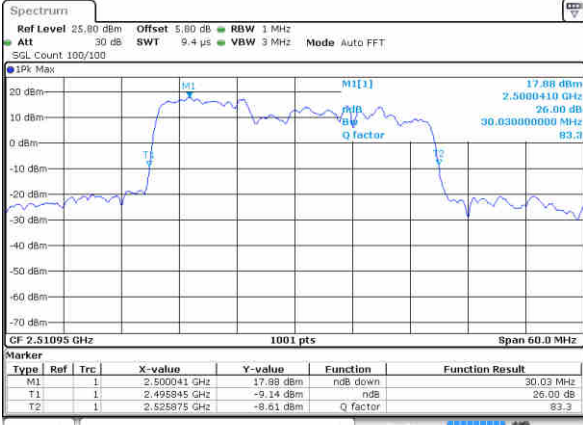
Date: 4 NOV 2019 16:27:05



LTE Band 41

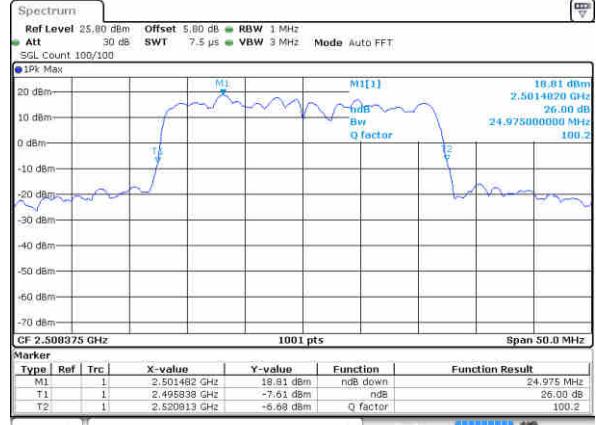
QPSK

Lowest Channel / 10MHz+20MHz



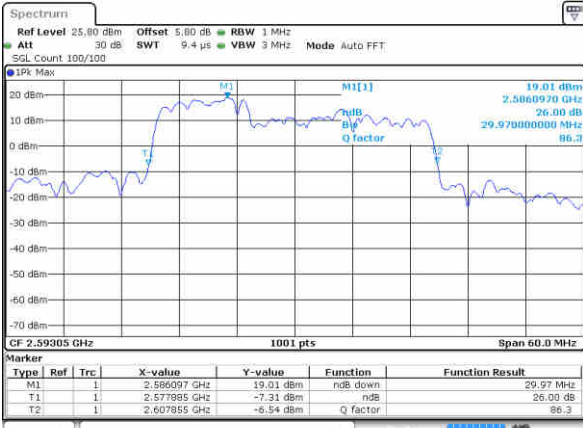
Date: 4 NOV 2019 16:38:37

Lowest Channel / 15MHz+10MHz



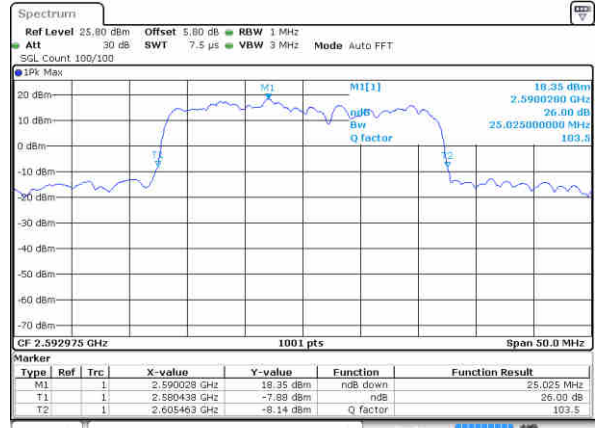
Date: 4 NOV 2019 16:28:38

Middle Channel / 10MHz+20MHz



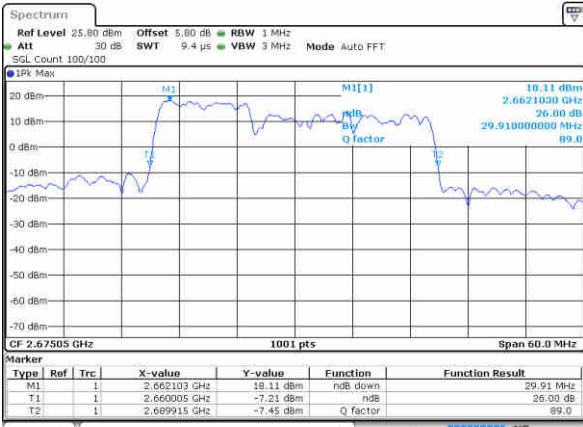
Date: 4 NOV 2019 16:37:36

Middle Channel / 15MHz+10MHz



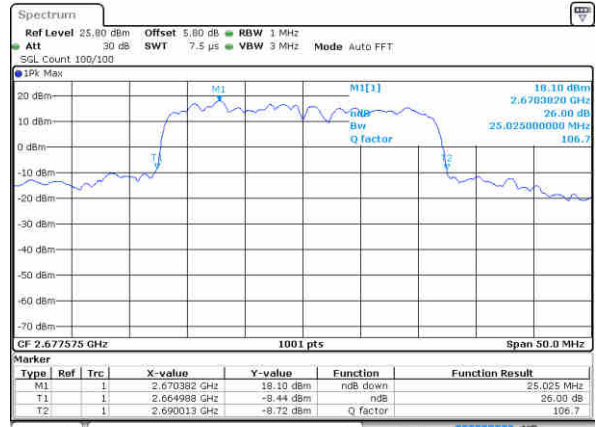
Date: 4 NOV 2019 16:32:16

Highest Channel / 10MHz+20MHz



Date: 4 NOV 2019 16:40:15

Highest Channel / 15MHz+10MHz



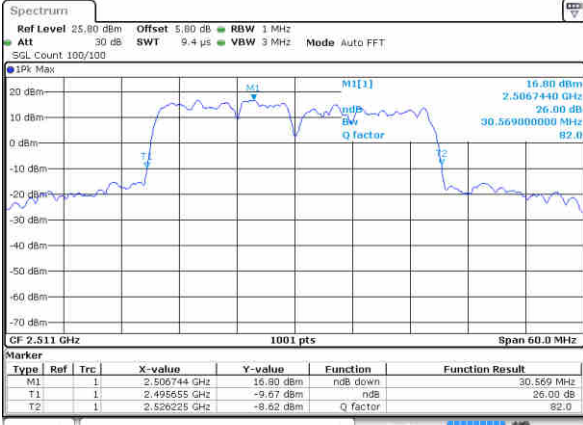
Date: 4 NOV 2019 16:33:10



LTE Band 41

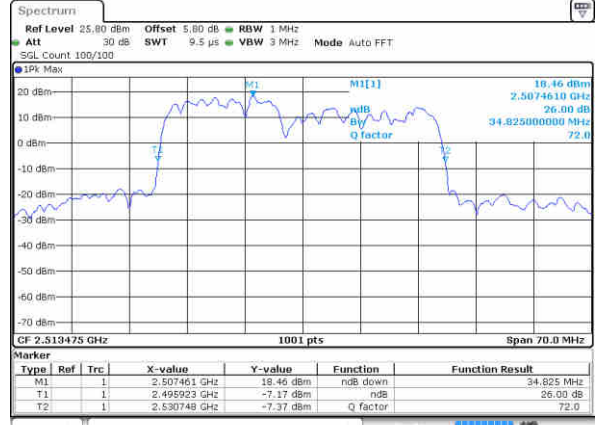
QPSK

Lowest Channel / 15MHz+15MHz



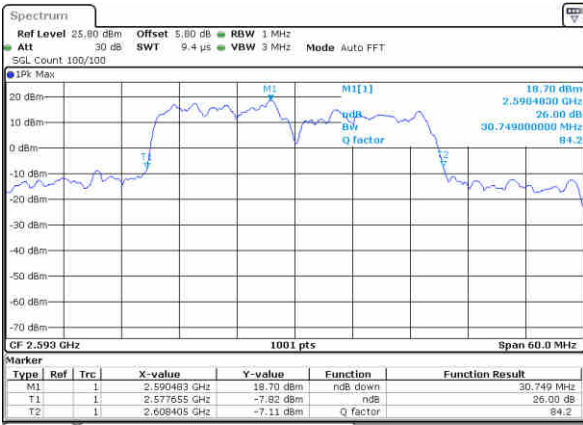
Date: 4 NOV 2019 16:49:51

Lowest Channel / 15MHz+20MHz



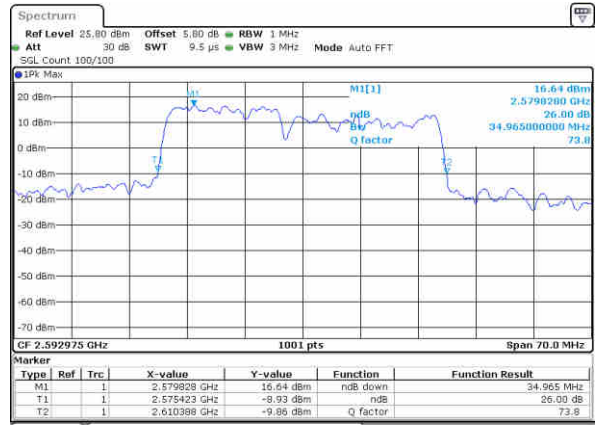
Date: 4 NOV 2019 16:56:17

Middle Channel / 15MHz+15MHz



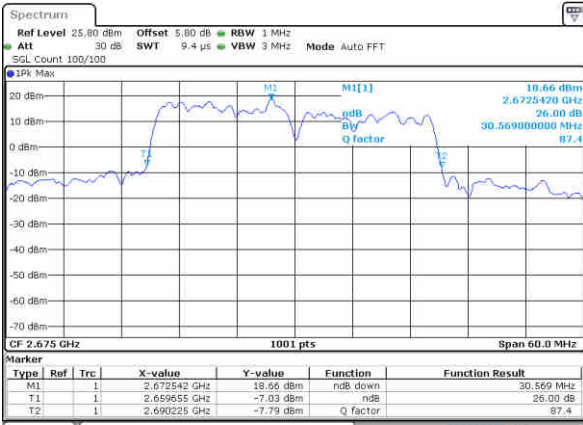
Date: 4 NOV 2019 16:50:37

Middle Channel / 15MHz+20MHz



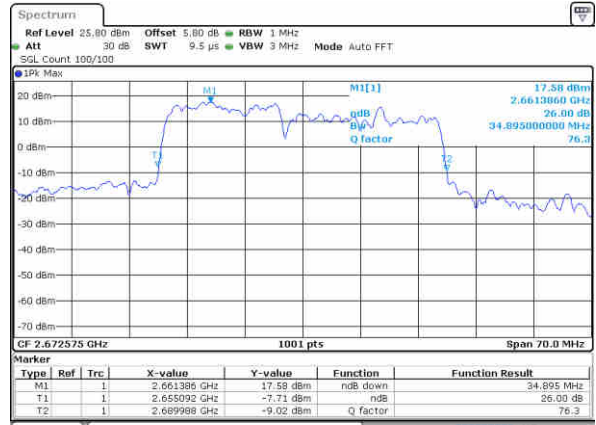
Date: 4 NOV 2019 16:58:10

Highest Channel / 15MHz+15MHz



Date: 4 NOV 2019 16:53:46

Highest Channel / 15MHz+20MHz



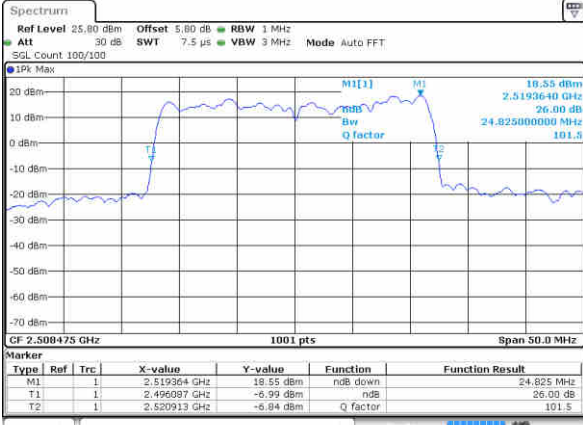
Date: 4 NOV 2019 16:58:58



LTE Band 41

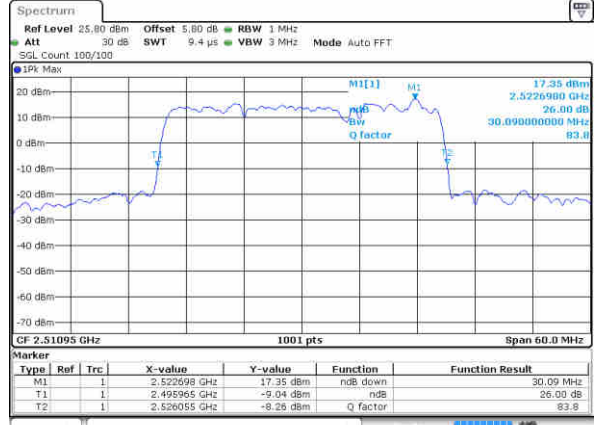
QPSK

Lowest Channel / 20MHz+5MHz



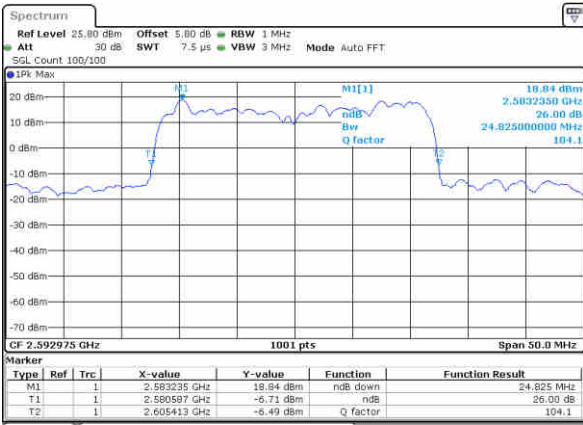
Date: 4 NOV 2019 16:15:53

Lowest Channel / 20MHz+10MHz



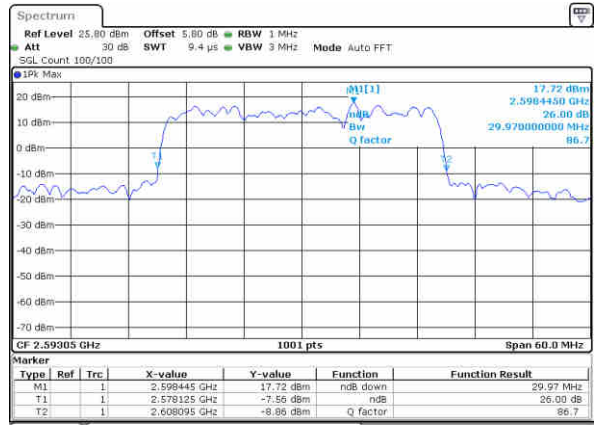
Date: 4 NOV 2019 16:42:01

Middle Channel / 20MHz+5MHz



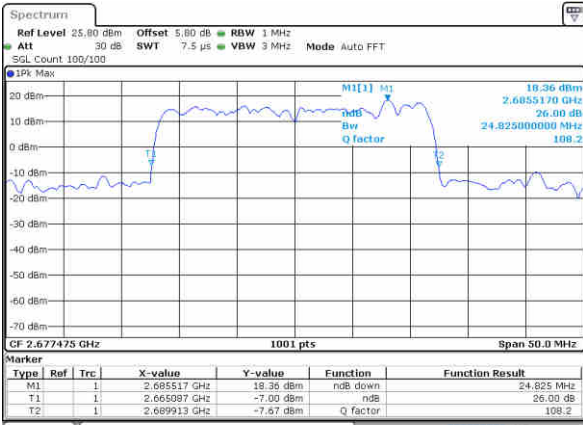
Date: 4 NOV 2019 16:18:51

Middle Channel / 20MHz+10MHz



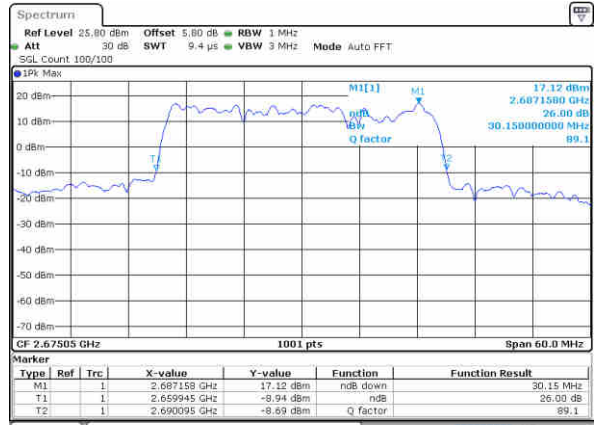
Date: 4 NOV 2019 16:44:40

Highest Channel / 20MHz+5MHz



Date: 4 NOV 2019 16:19:34

Highest Channel / 20MHz+10MHz



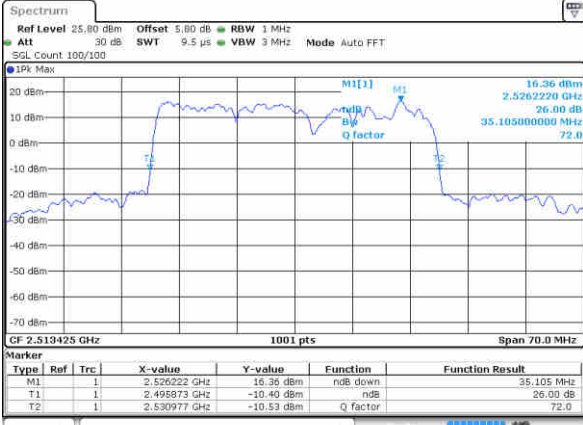
Date: 4 NOV 2019 16:45:30



LTE Band 41

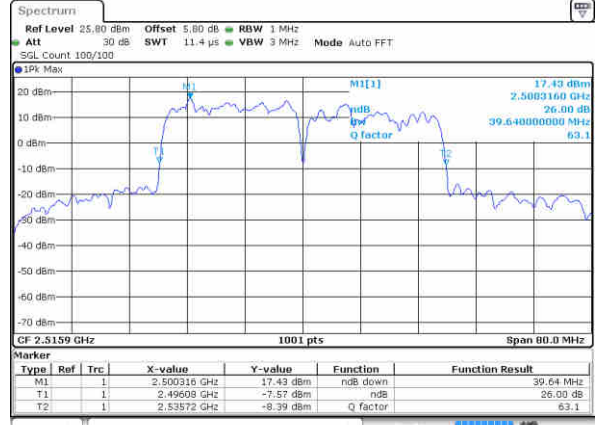
QPSK

Lowest Channel / 20MHz+15MHz



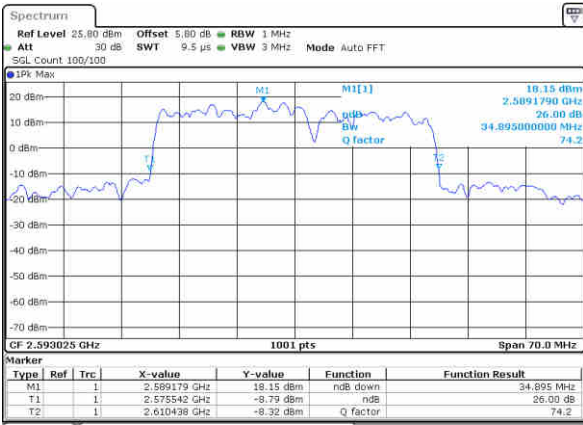
Date: 4 NOV 2019 17:07:47

Lowest Channel / 20MHz+20MHz



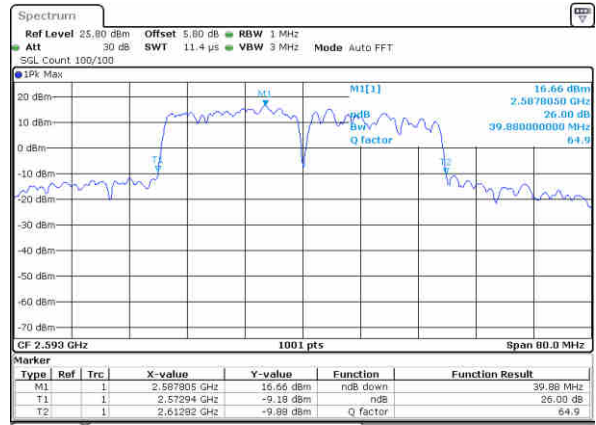
Date: 4 NOV 2019 17:13:38

Middle Channel / 20MHz+15MHz



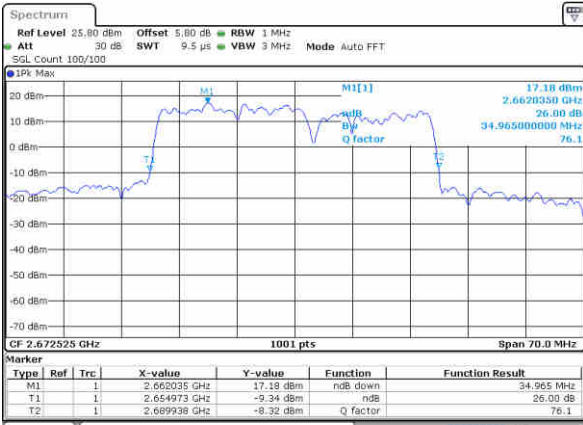
Date: 4 NOV 2019 17:09:42

Middle Channel / 20MHz+20MHz



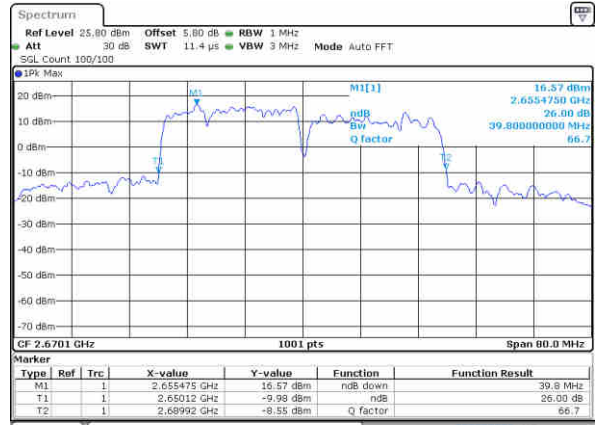
Date: 4 NOV 2019 17:17:50

Highest Channel / 20MHz+15MHz



Date: 4 NOV 2019 17:12:28

Highest Channel / 20MHz+20MHz



Date: 4 NOV 2019 17:18:58