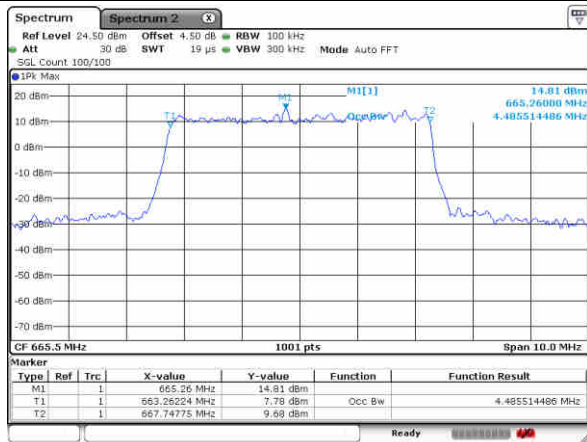




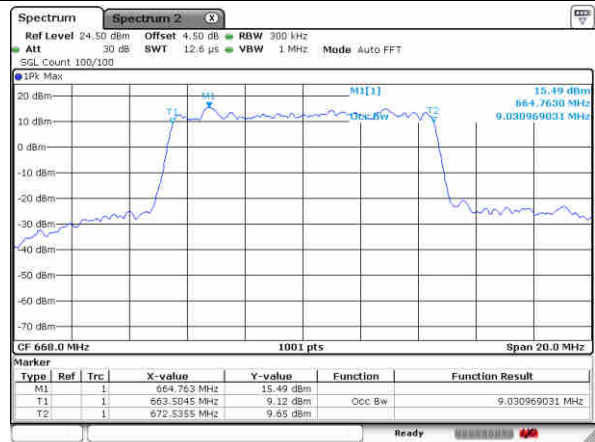
LTE Band 71

Lowest Channel / 5MHz / 64QAM



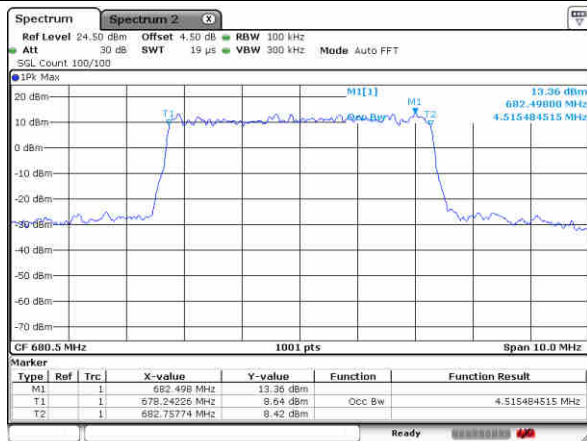
Date: 28.OCT.2019 17:55:32

Lowest Channel / 10MHz / 64QAM



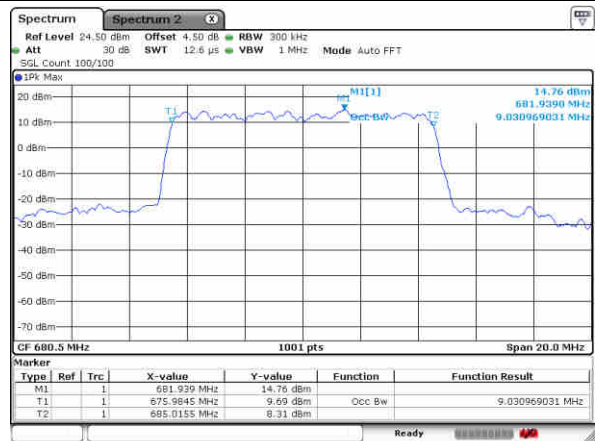
Date: 28.OCT.2019 17:40:54

Middle Channel / 5MHz / 64QAM



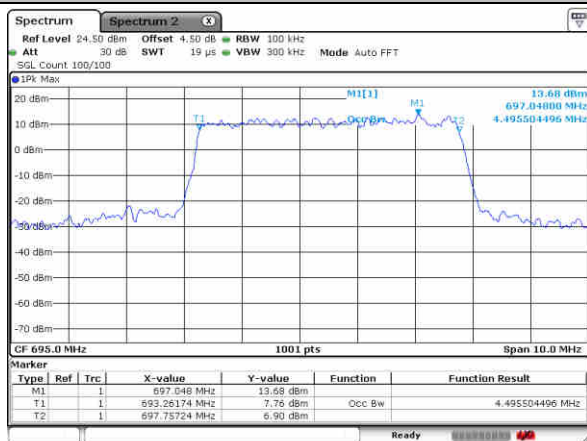
Date: 28.OCT.2019 17:58:48

Middle Channel / 10MHz / 64QAM



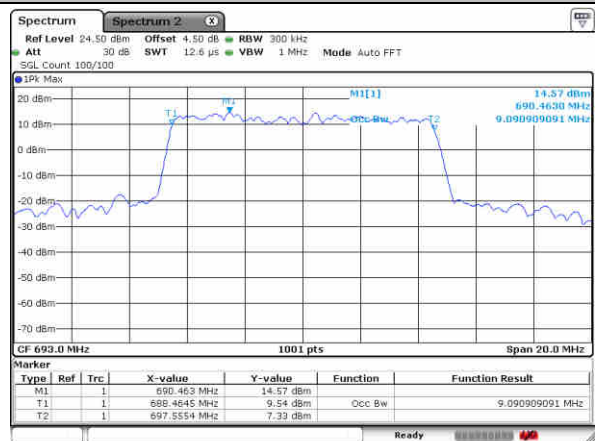
Date: 28.OCT.2019 17:47:48

Highest Channel / 5MHz / 64QAM



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

Highest Channel / 10MHz / 64QAM

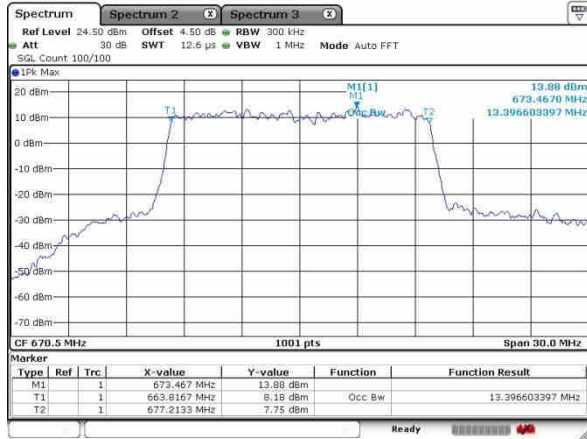


Date: 28.OCT.2019 17:48:18



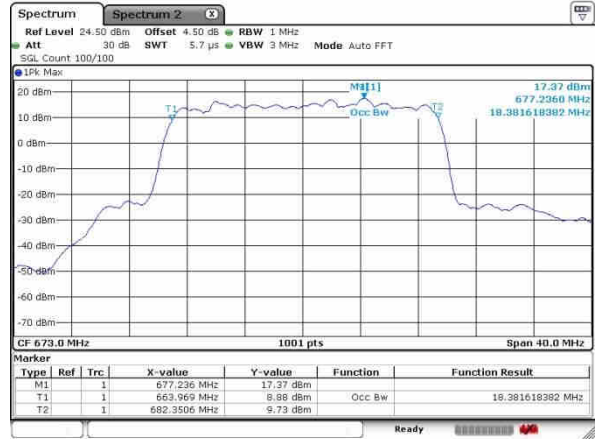
LTE Band 71

Lowest Channel / 15MHz / 64QAM



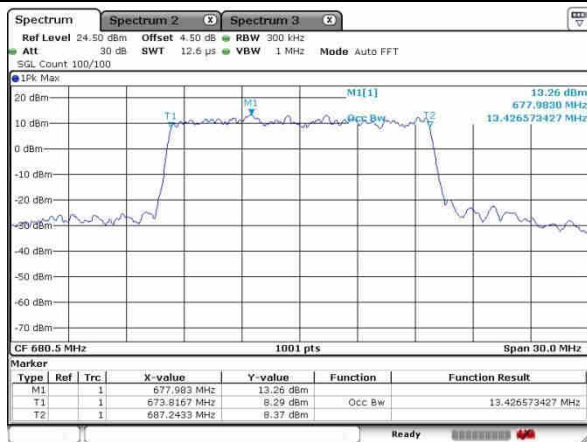
Date: 29 OCT 2019 16:35:07

Lowest Channel / 20MHz / 64QAM



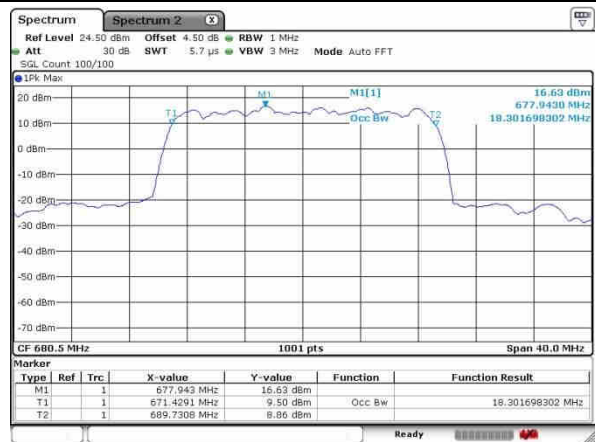
Date: 29 OCT 2019 17:18:58

Middle Channel / 15MHz / 64QAM



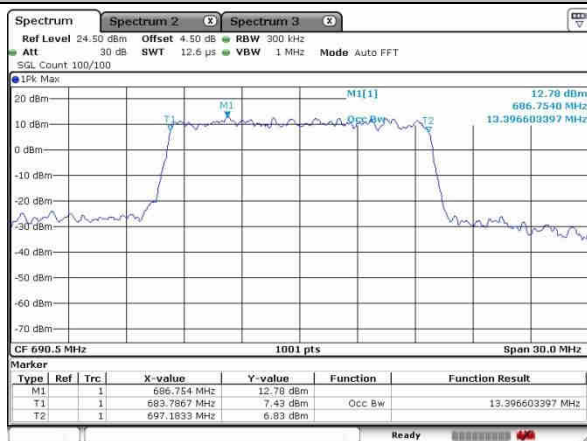
Date: 29 OCT 2019 16:39:44

Middle Channel / 20MHz / 64QAM



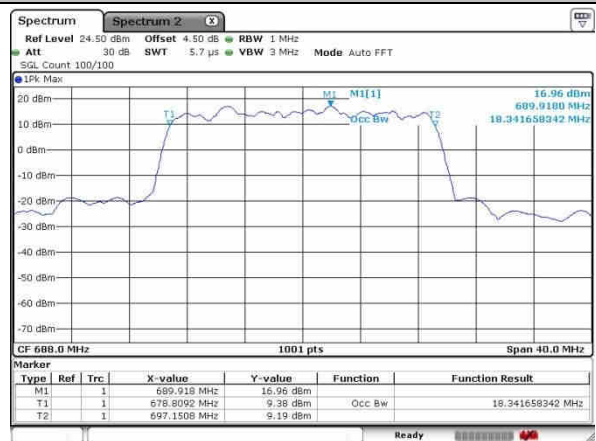
Date: 29 OCT 2019 17:18:28

Highest Channel / 15MHz / 64QAM

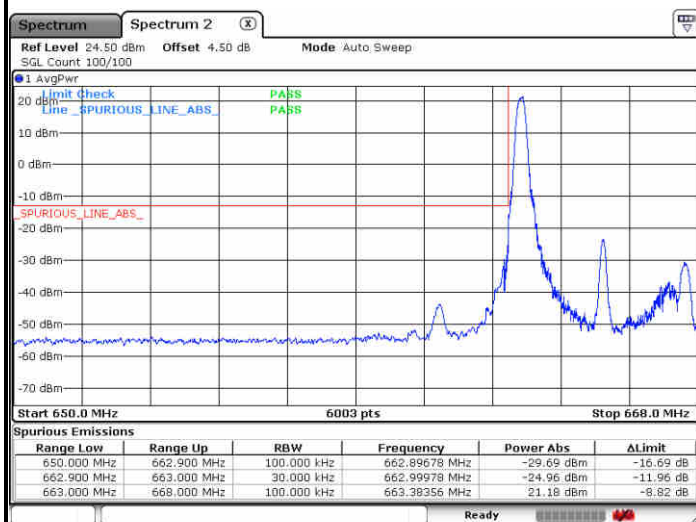


Date: 29 OCT 2019 16:44:07

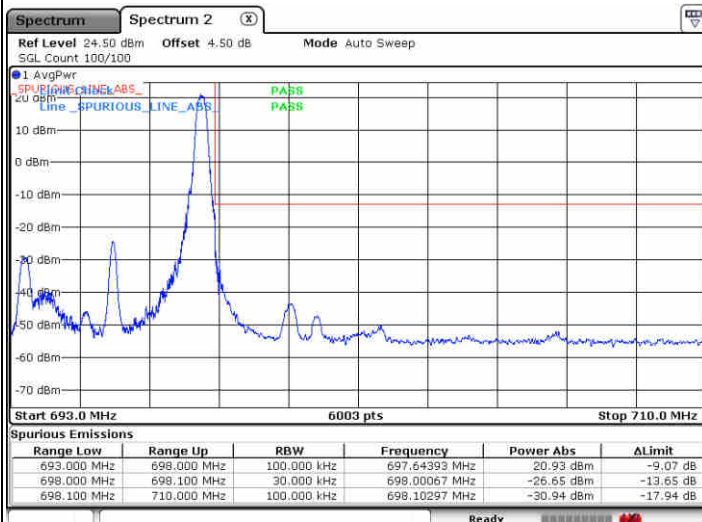
Highest Channel / 20MHz / 64QAM



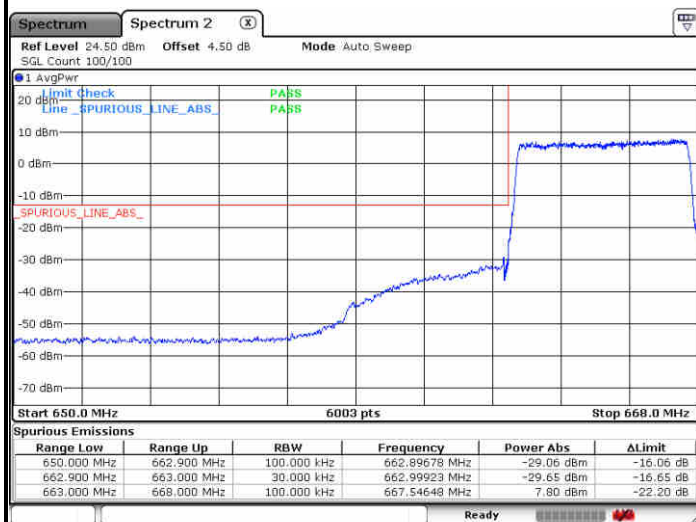
Date: 29 OCT 2019 17:13:52

**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

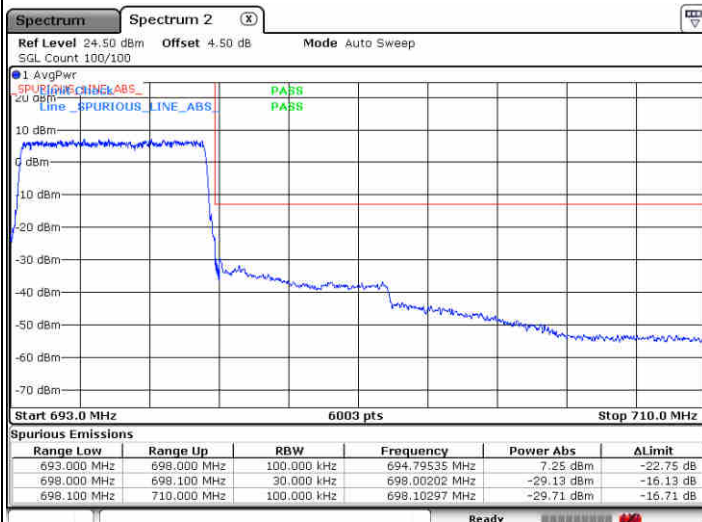
Date: 28.OCT.2019 17:26:41

Highest Band Edge / 1 RB

Date: 28.OCT.2019 17:30:37

Lowest Band Edge / Full RB

Date: 28.OCT.2019 17:27:04

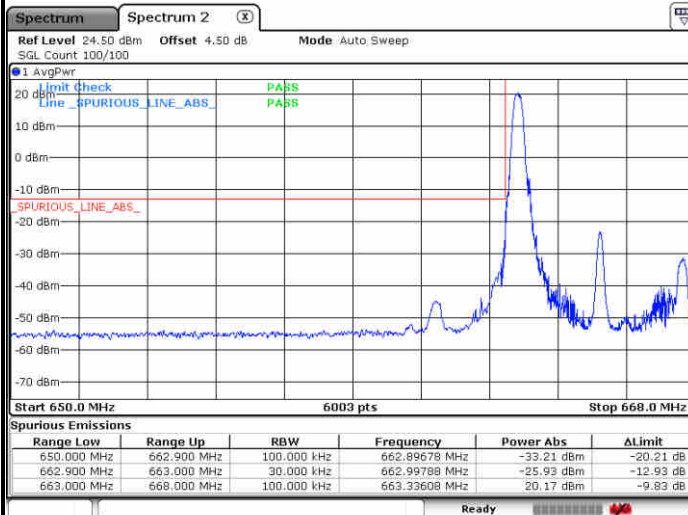
Highest Band Edge / Full RB

Date: 28.OCT.2019 17:30:11

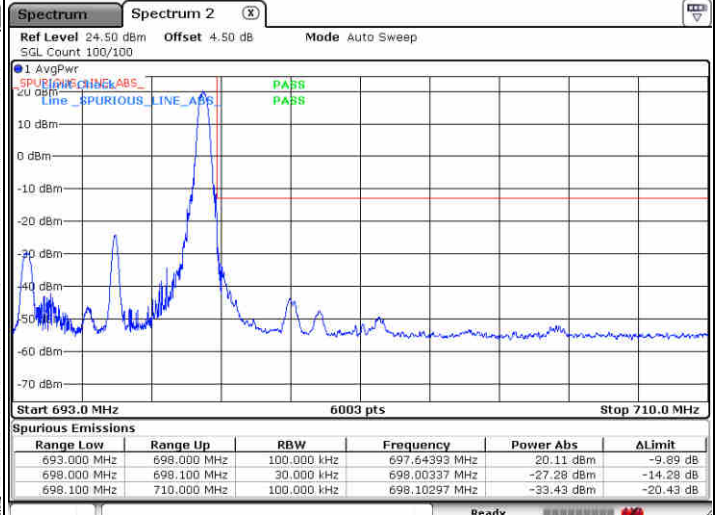


LTE Band 71 / 5MHz / 16QAM

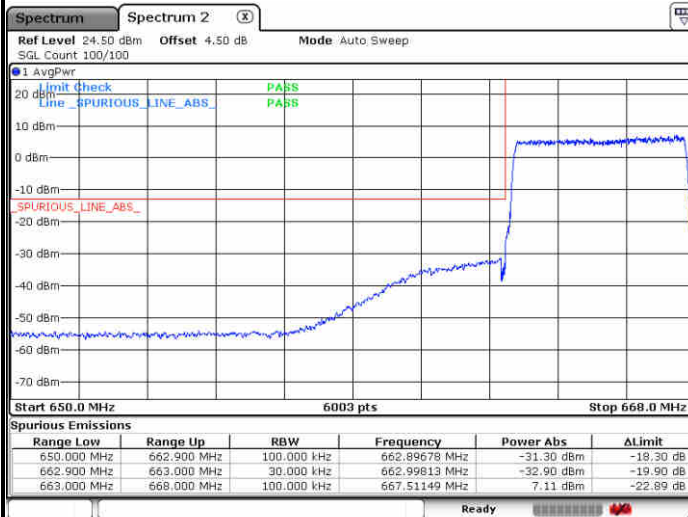
Lowest Band Edge / 1 RB



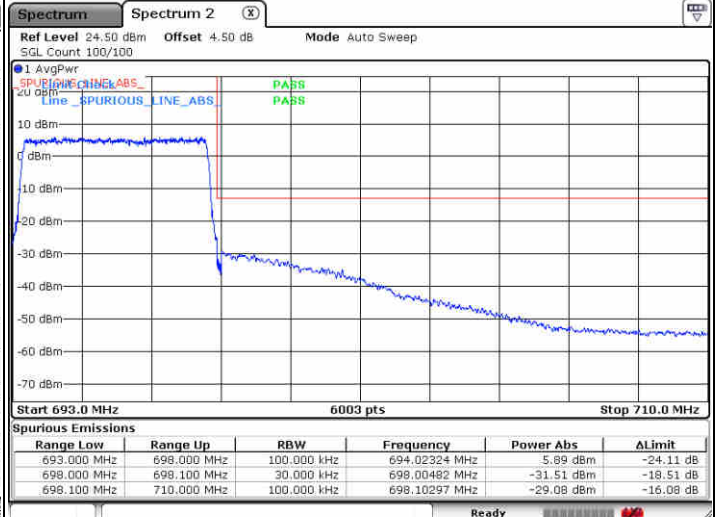
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



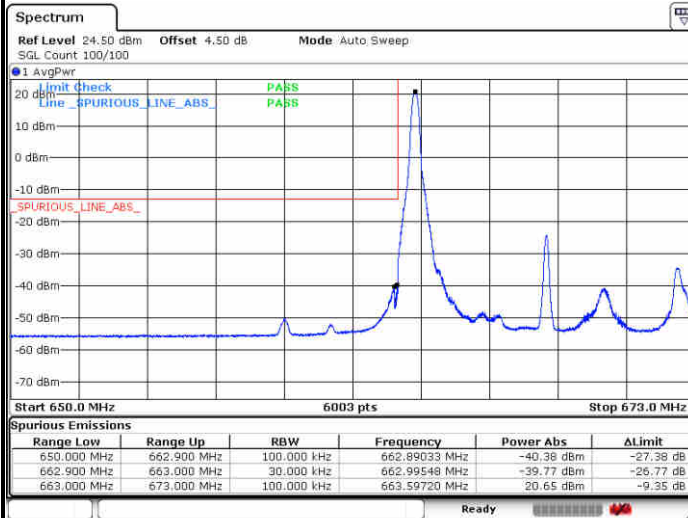
Highest Band Edge / Full RB





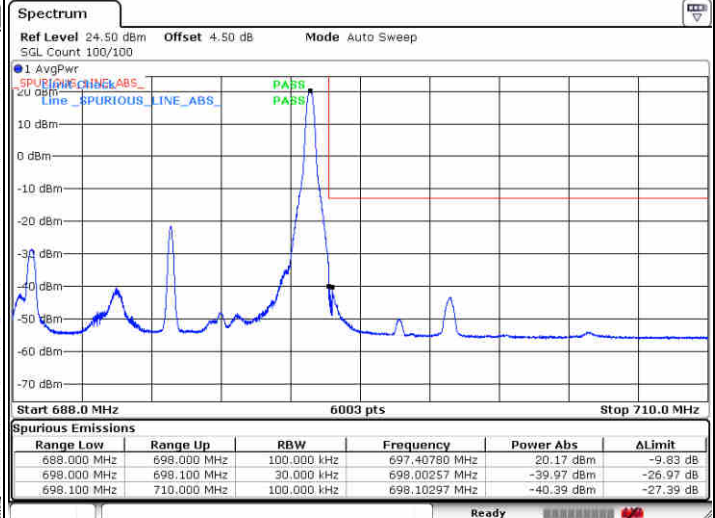
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



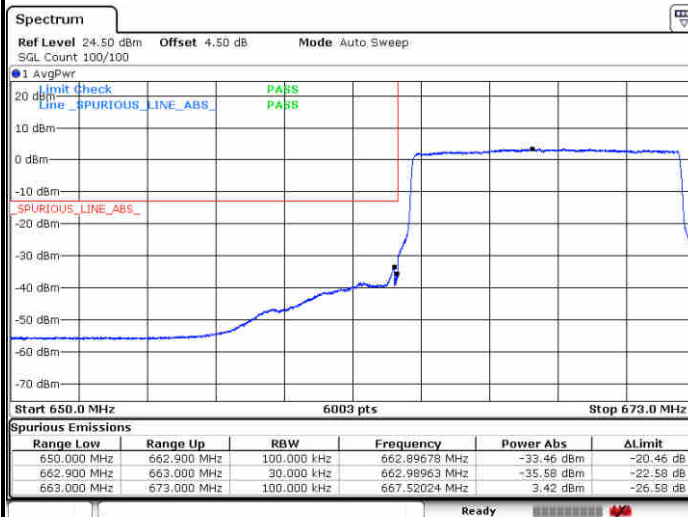
Date: 29.OCT.2019 15:03:59

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

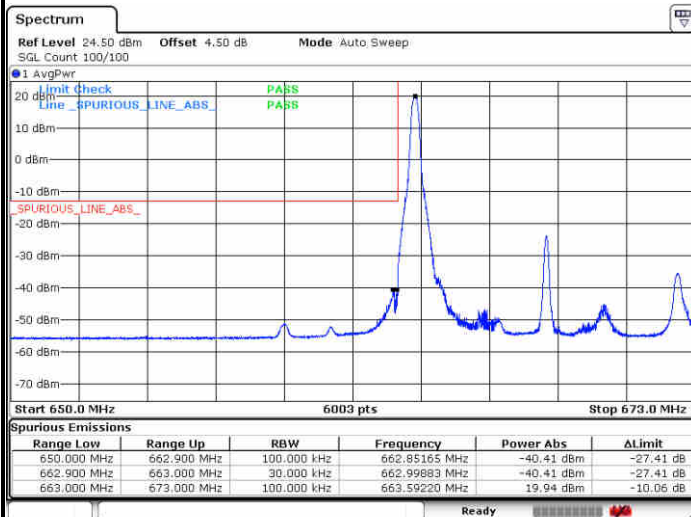


Date: 29.OCT.2019 15:15:13

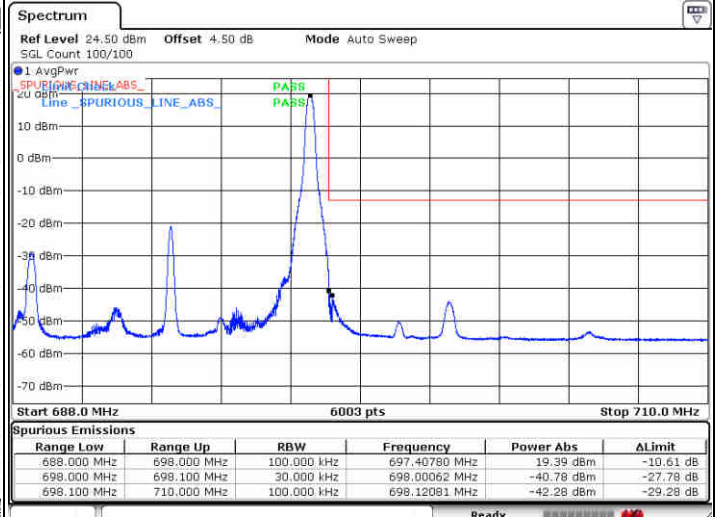


LTE Band 71 / 10MHz / 16QAM

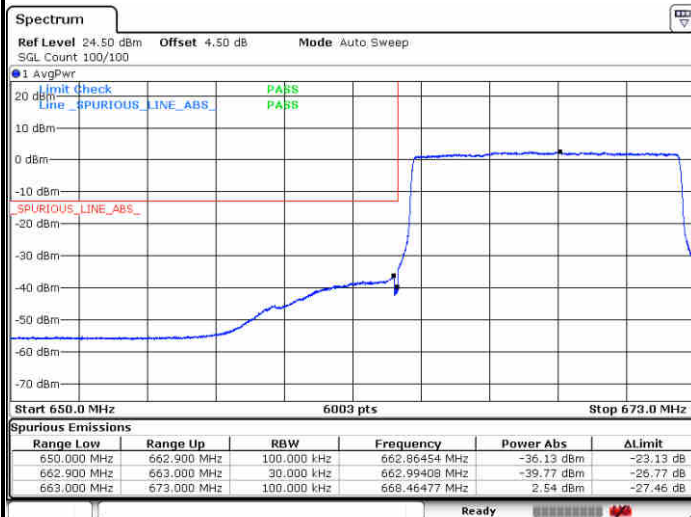
Lowest Band Edge / 1 RB



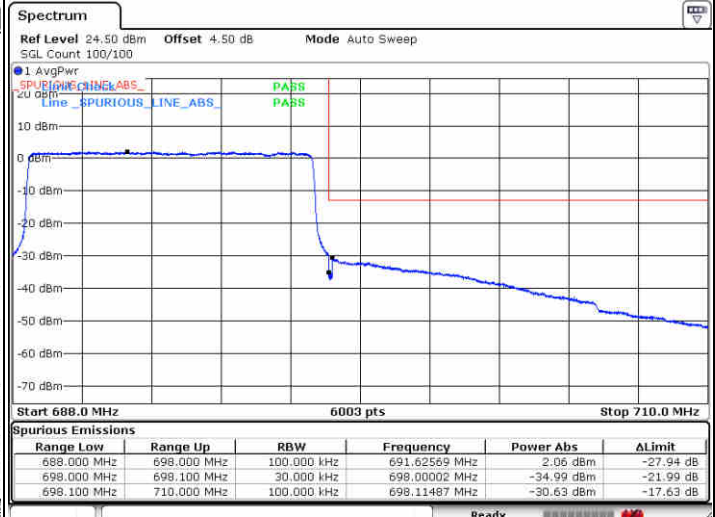
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



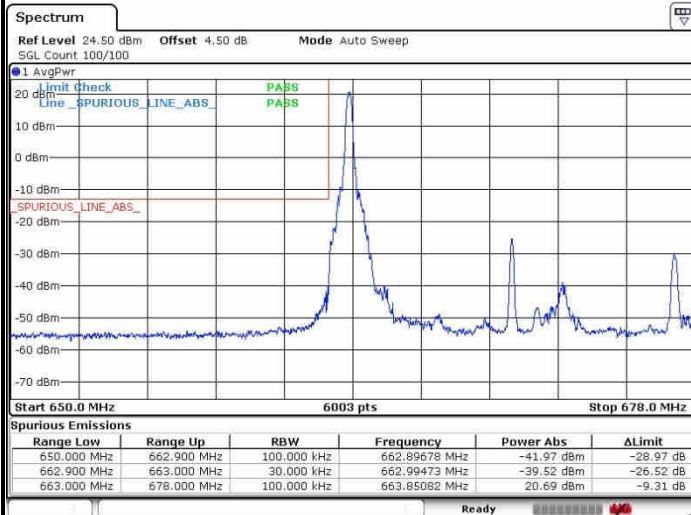
Highest Band Edge / Full RB



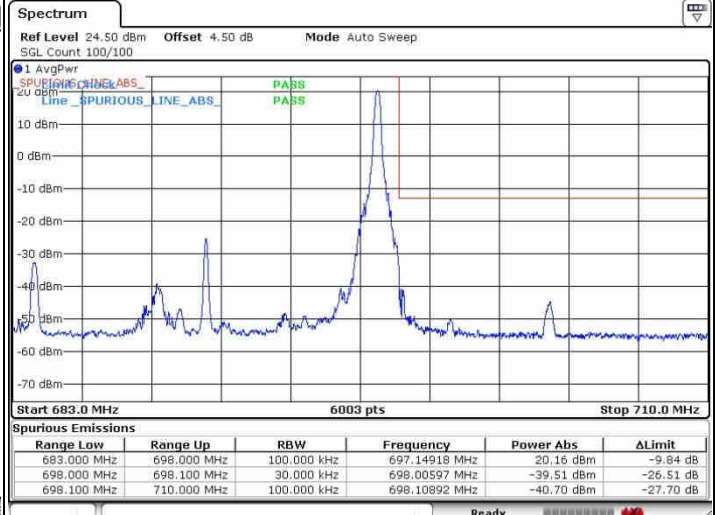


LTE Band 71 / 15MHz / QPSK

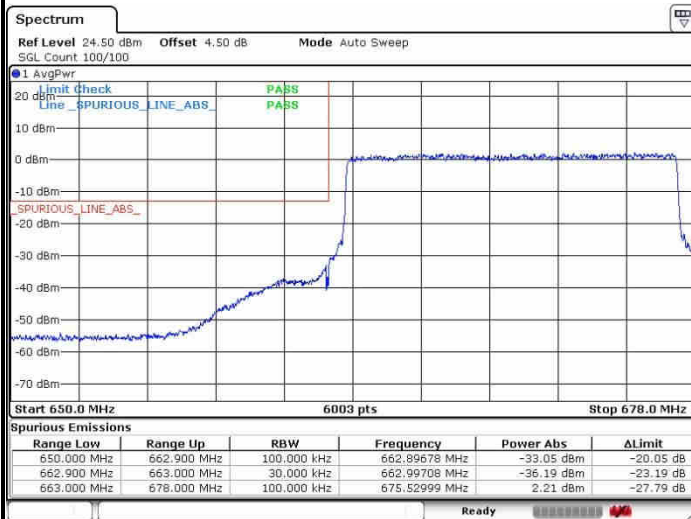
Lowest Band Edge / 1 RB



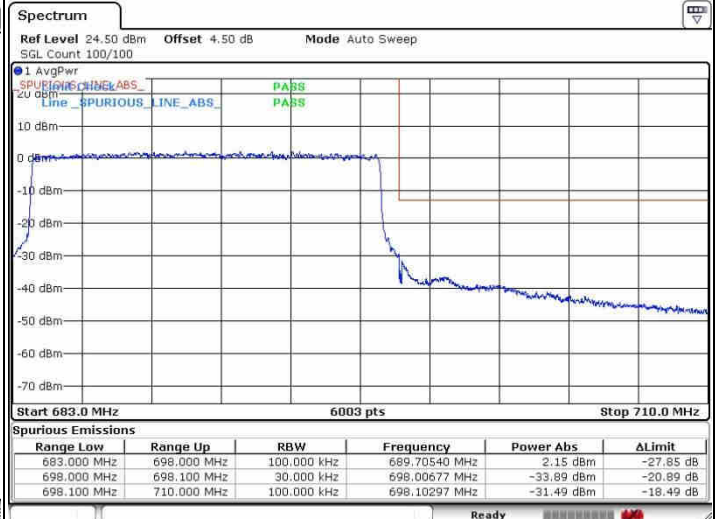
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



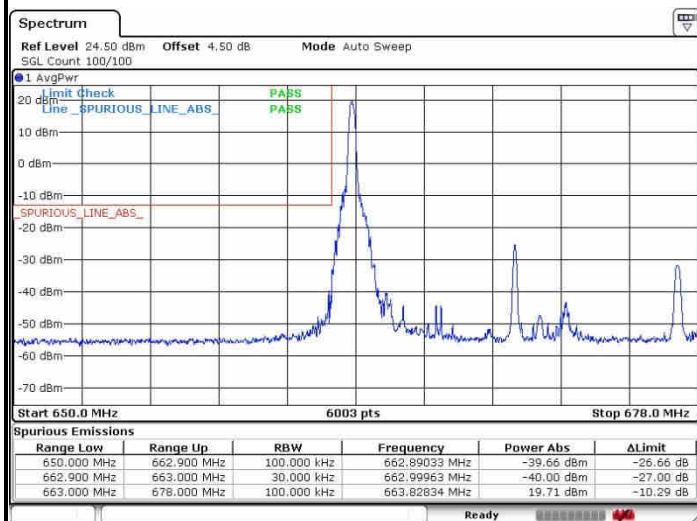
Highest Band Edge / Full RB



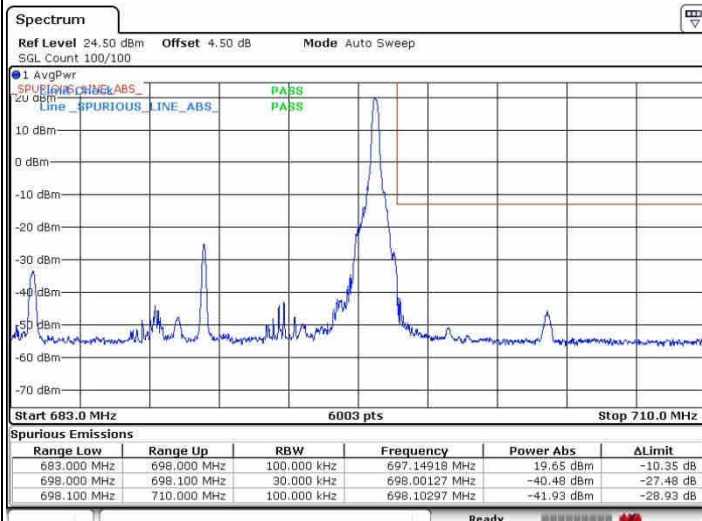


LTE Band 71 / 15MHz / 16QAM

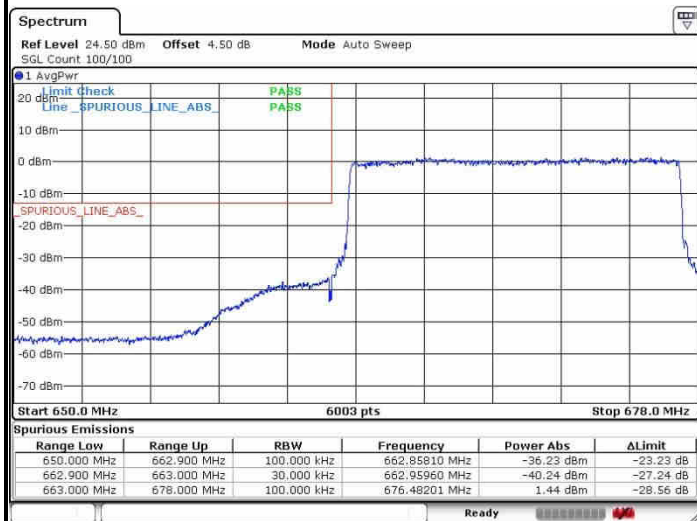
Lowest Band Edge / 1 RB



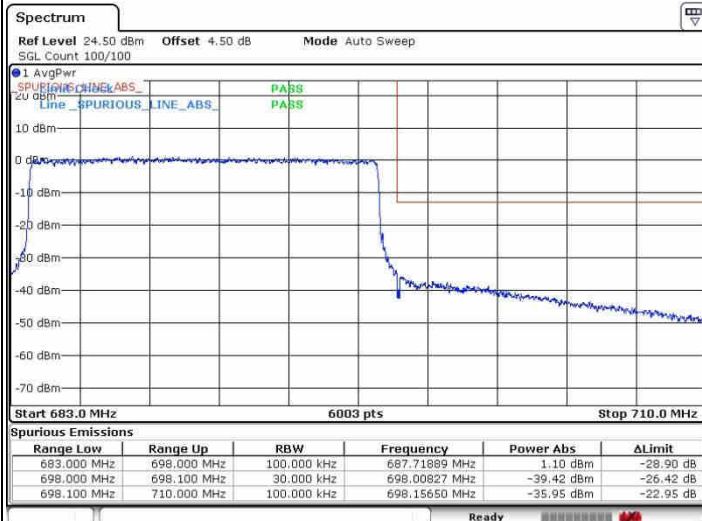
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



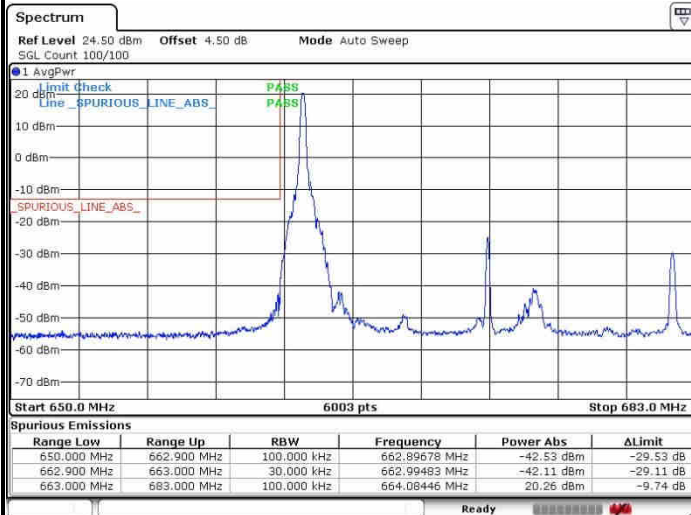
Highest Band Edge / Full RB





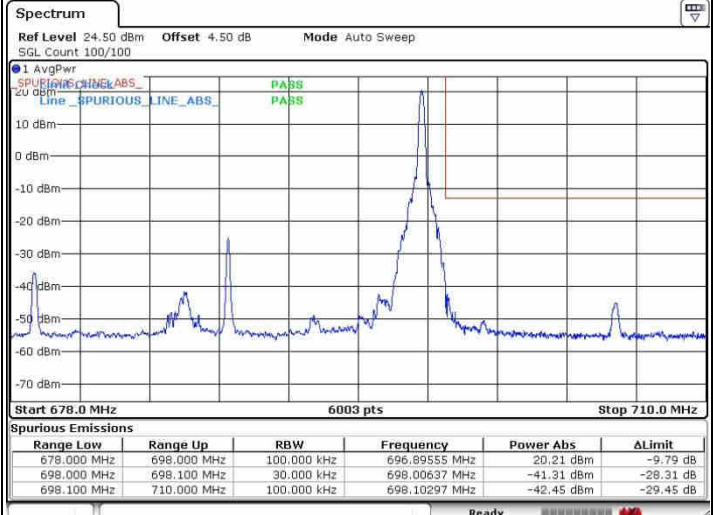
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



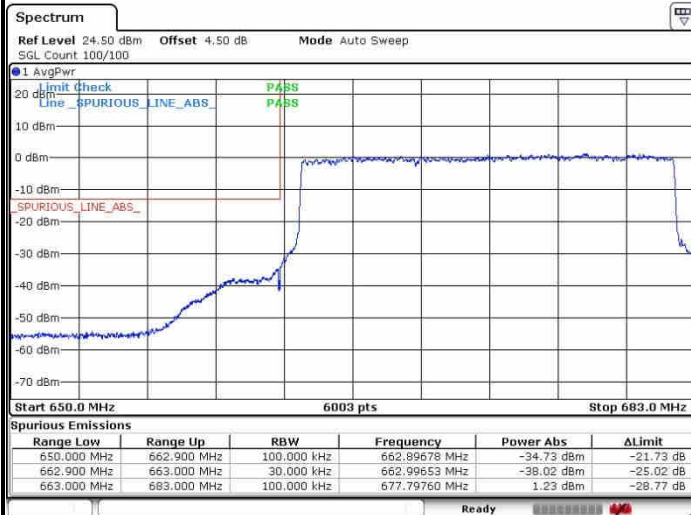
Date: 29.OCT.2019 17:06:43

Highest Band Edge / 1 RB



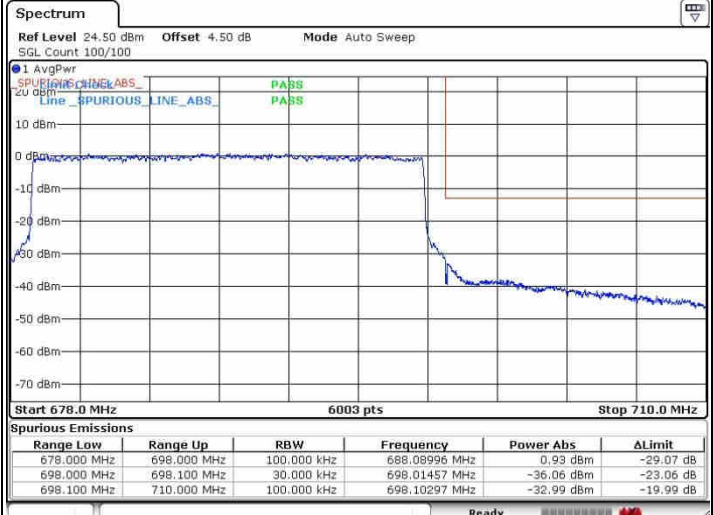
Date: 29.OCT.2019 17:10:05

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

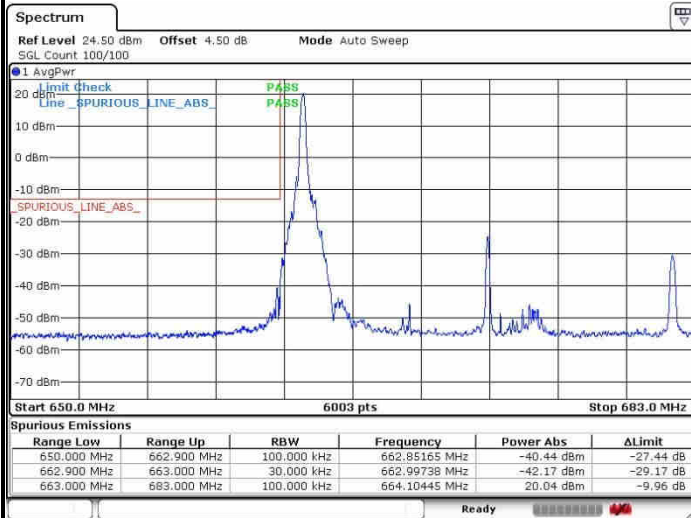


Date: 29.OCT.2019 17:10:29



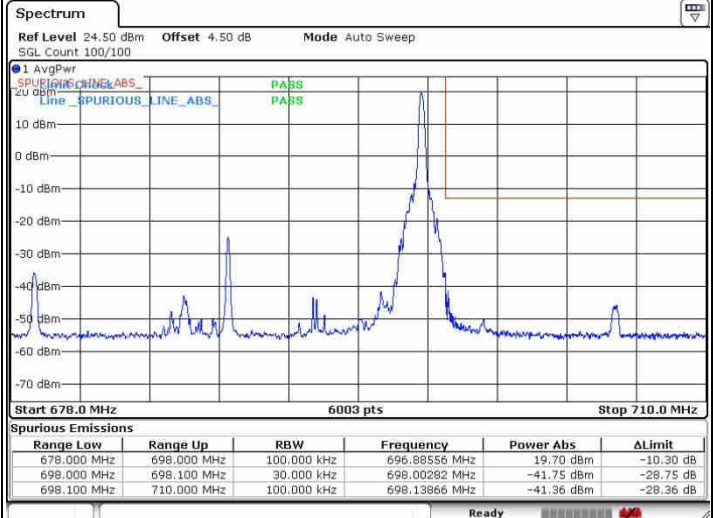
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



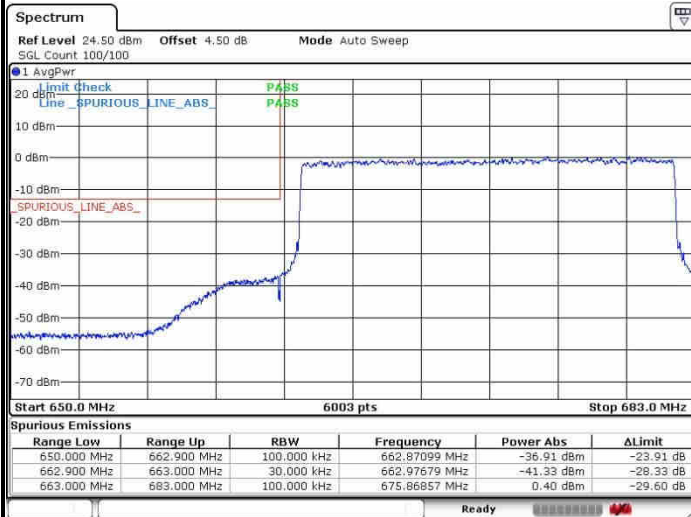
Date: 29.OCT.2019 17:07:05

Highest Band Edge / 1RB



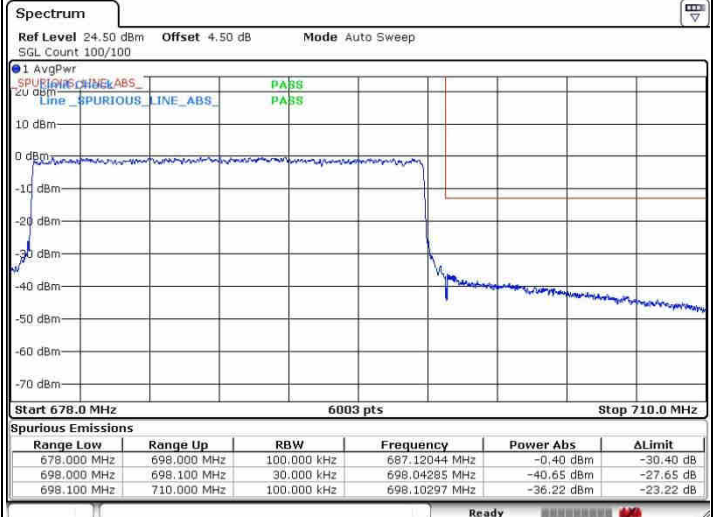
Date: 29.OCT.2019 17:09:43

Lowest Band Edge / Full RB



Date: 29.OCT.2019 17:06:00

Highest Band Edge / Full RB

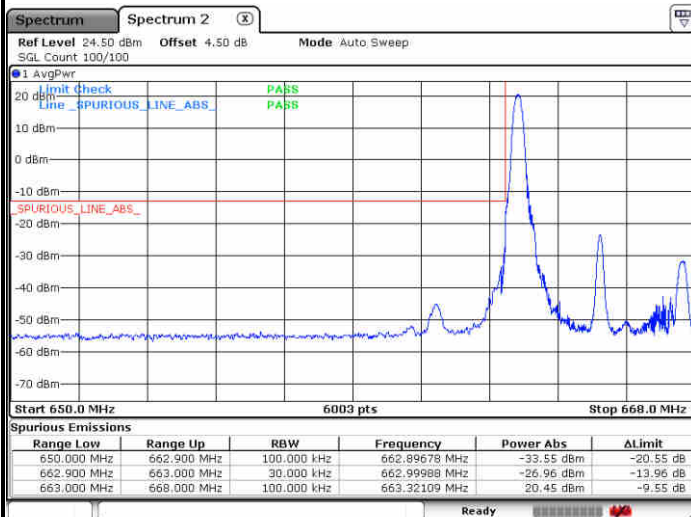


Date: 29.OCT.2019 17:10:53



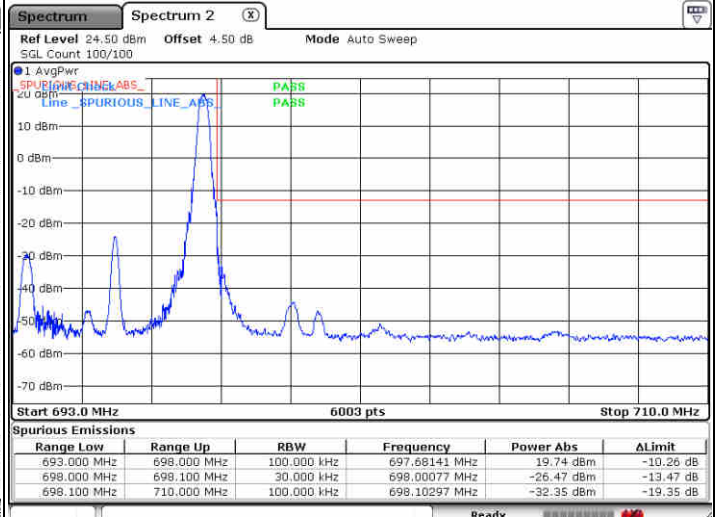
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



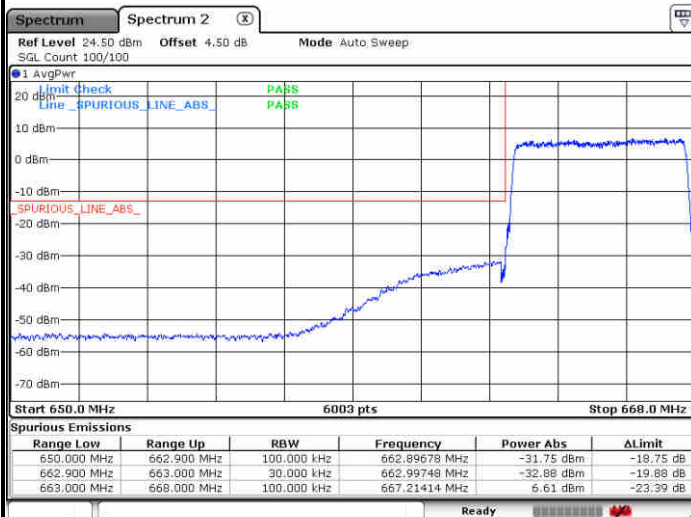
Date: 28.OCT.2019 17:25:14

Highest Band Edge / 1 RB



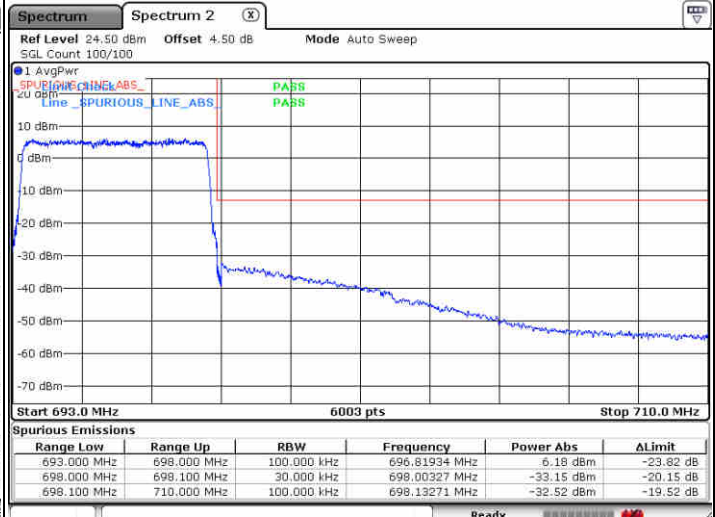
Date: 28.OCT.2019 17:32:02

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

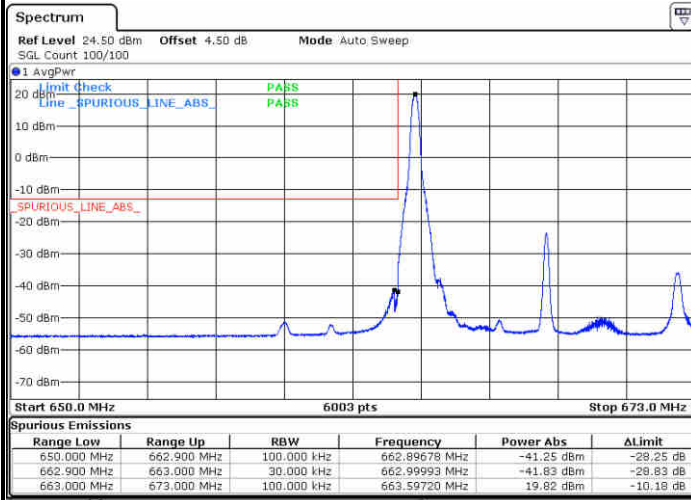


Date: 28.OCT.2019 17:29:26



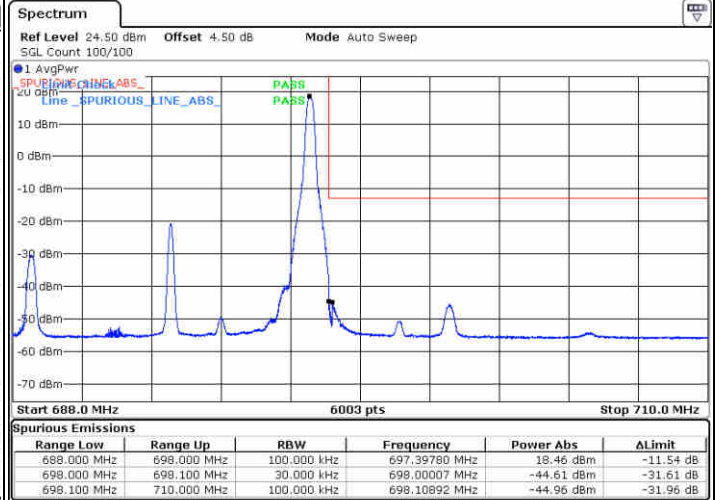
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



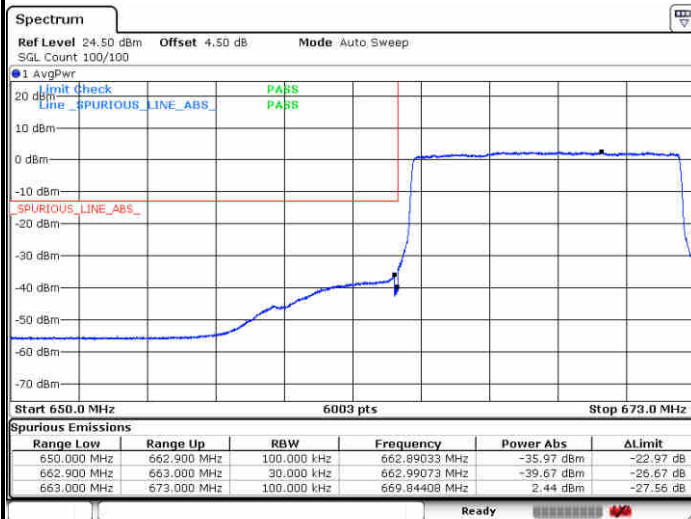
Date: 29.OCT.2019 15:02:24

Highest Band Edge / 1 RB



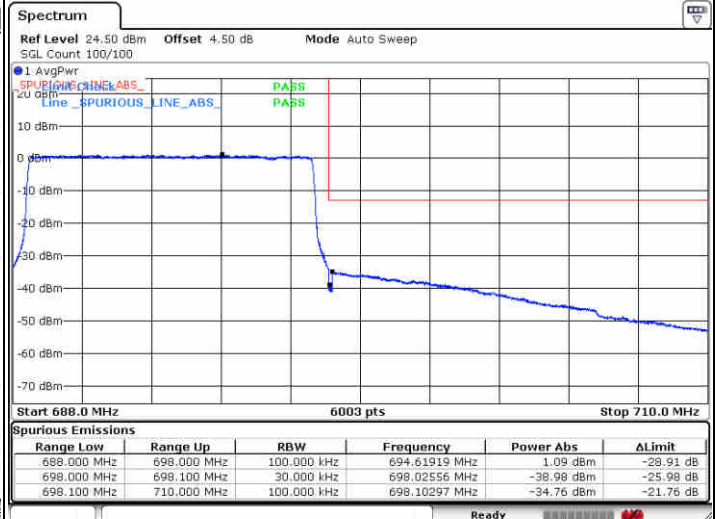
Date: 29.OCT.2019 15:12:25

Lowest Band Edge / Full RB



Date: 29.OCT.2019 15:01:28

Highest Band Edge / Full RB

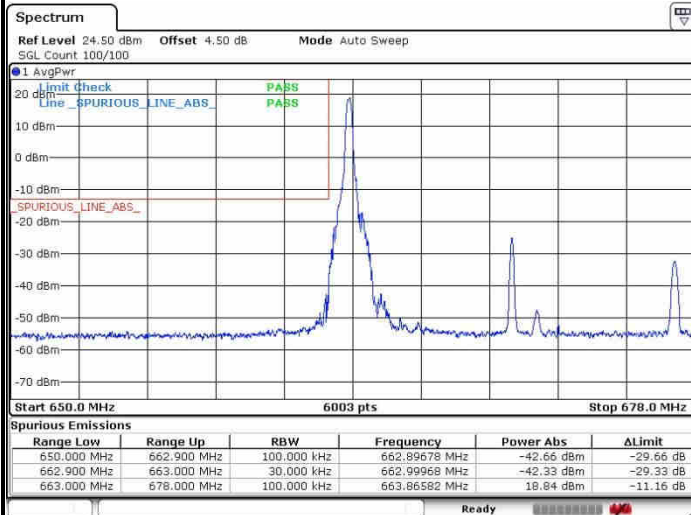


Date: 29.OCT.2019 15:13:20

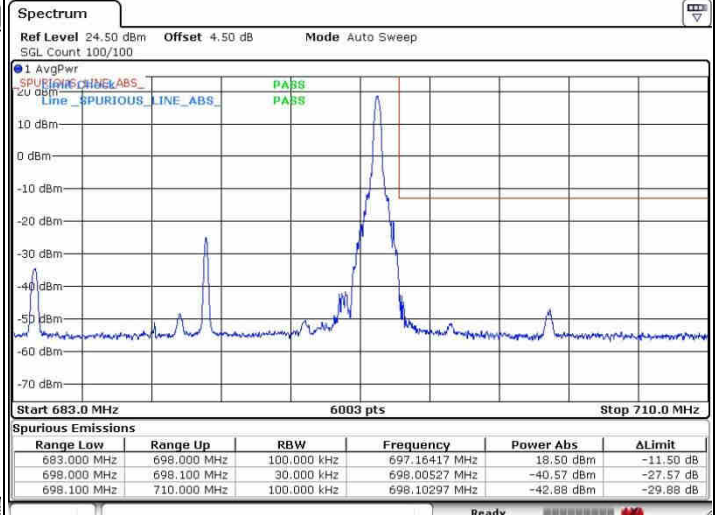


LTE Band 71 / 15MHz / 64QAM

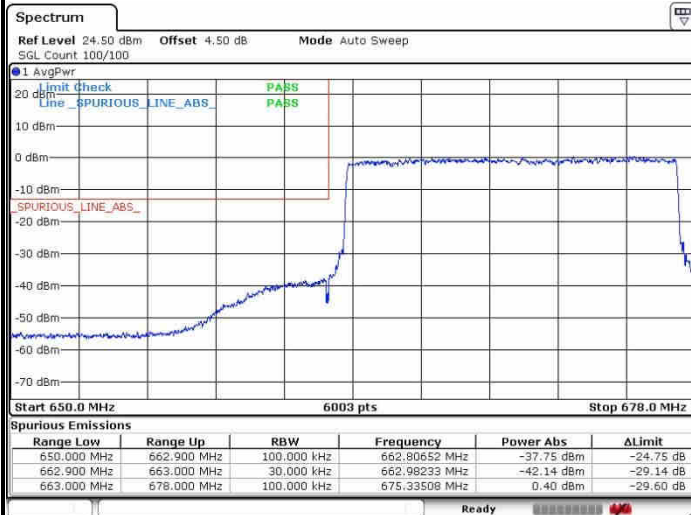
Lowest Band Edge / 1 RB



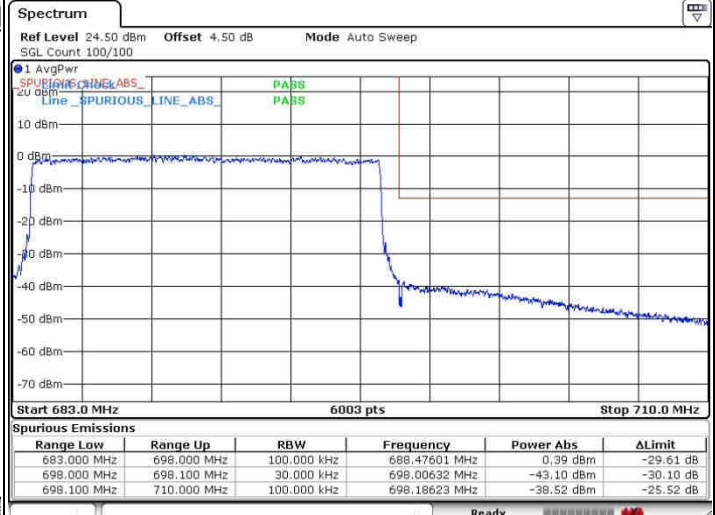
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



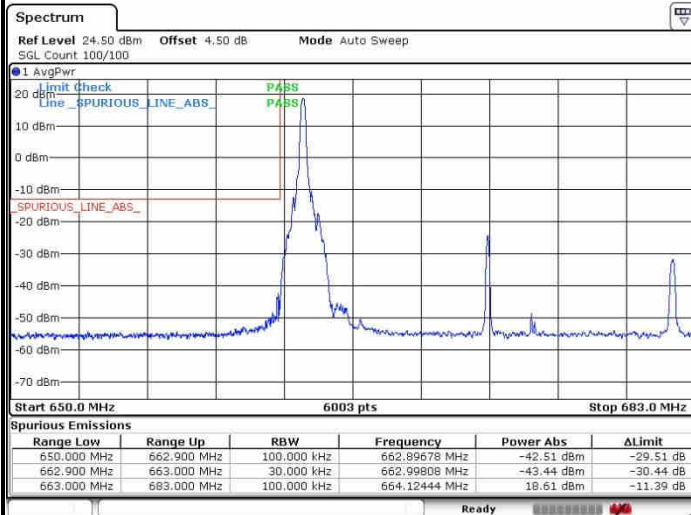
Highest Band Edge / Full RB



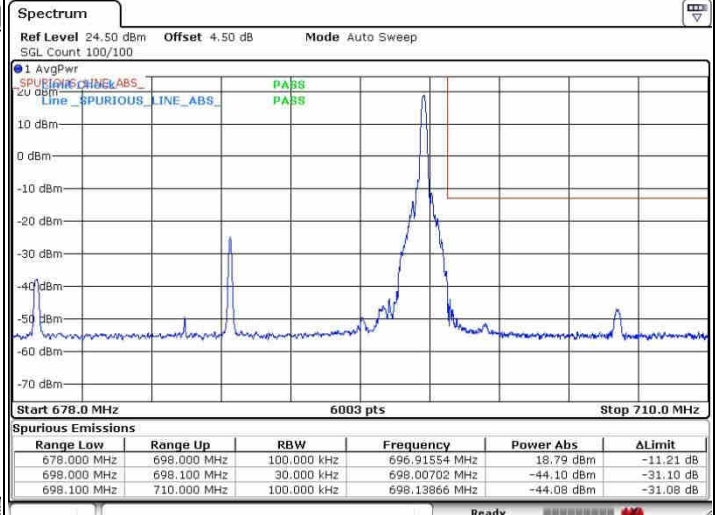


LTE Band 71 / 20MHz / 64QAM

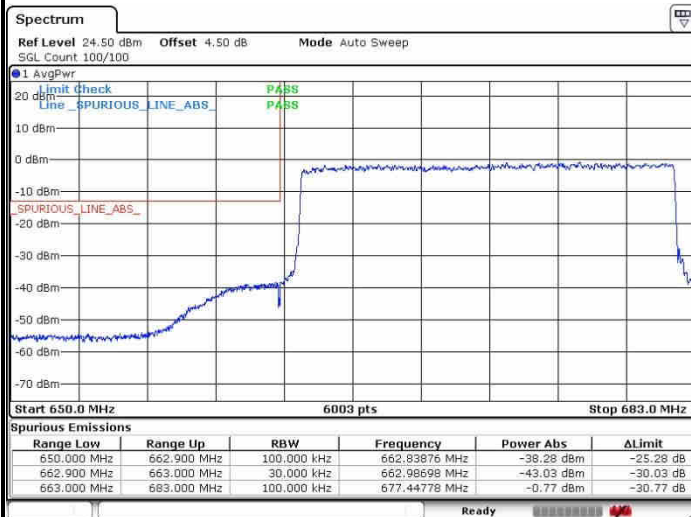
Lowest Band Edge / 1 RB



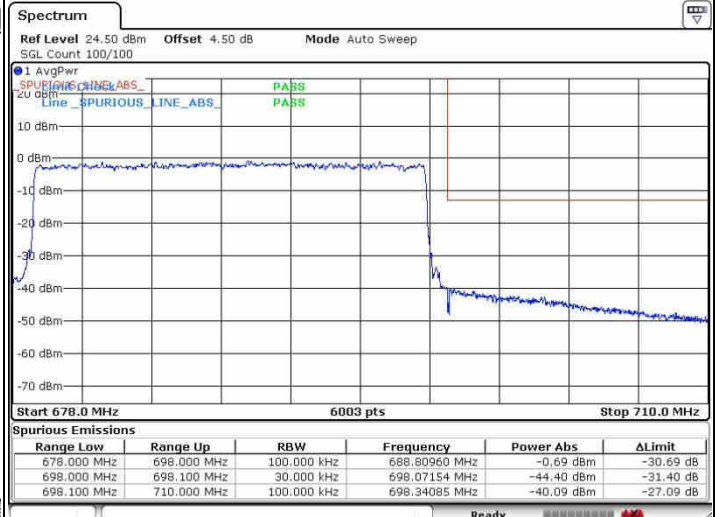
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

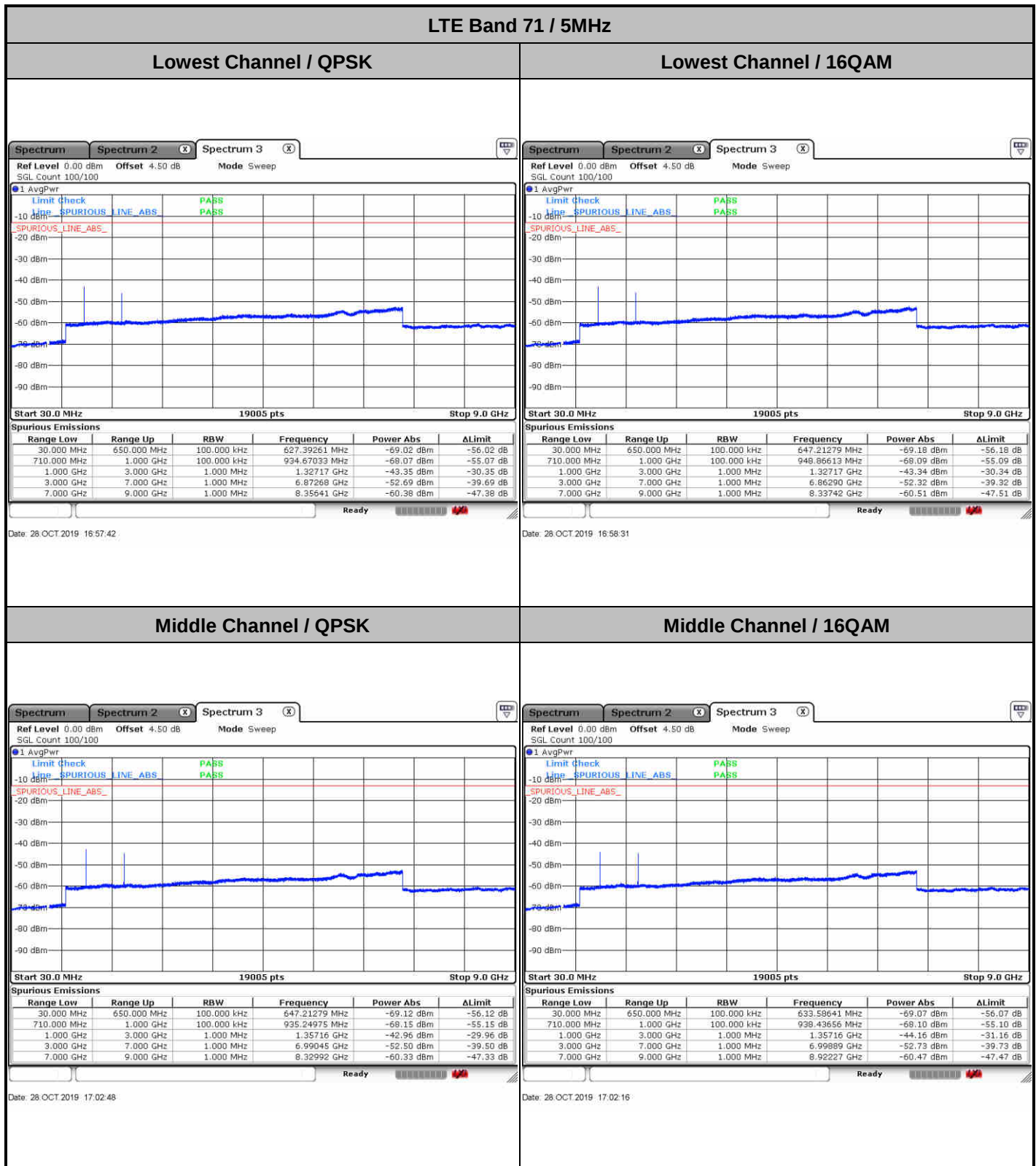


Highest Band Edge / Full RB





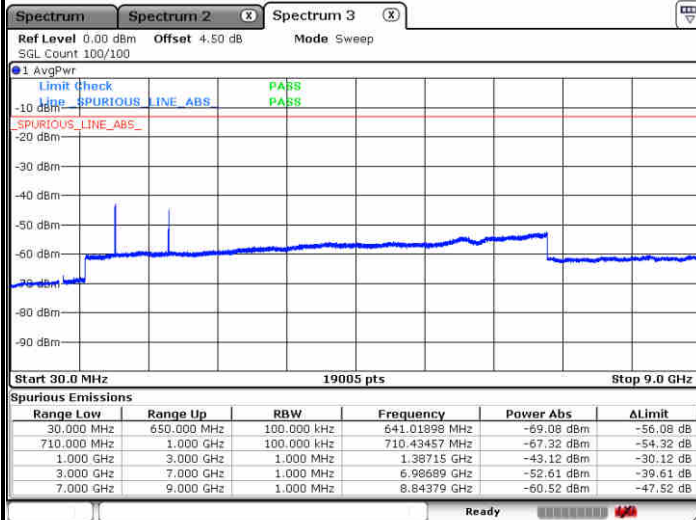
Conducted Spurious Emission





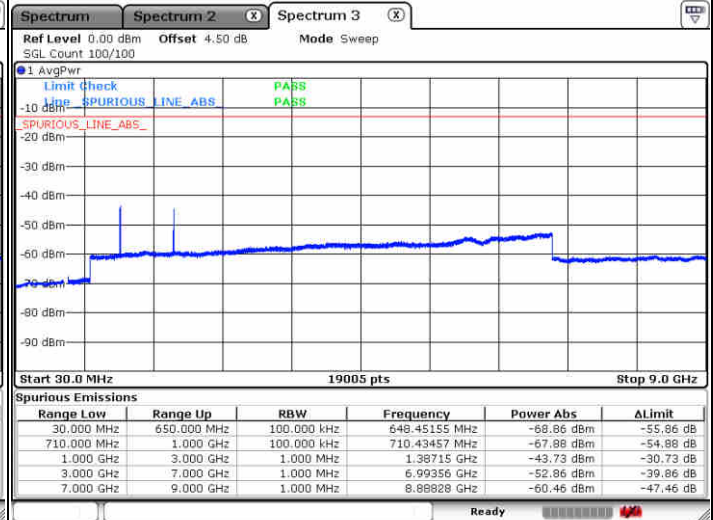
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 28 OCT 2019 17:09:44

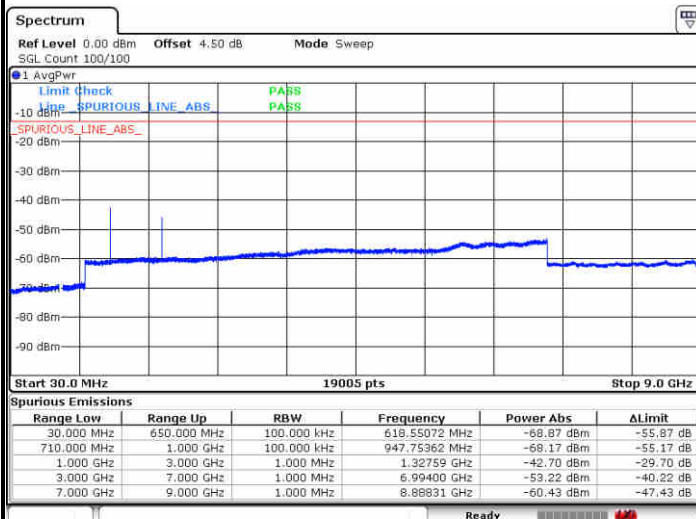
Highest Channel / 16QAM



Date: 28 OCT 2019 17:10:23

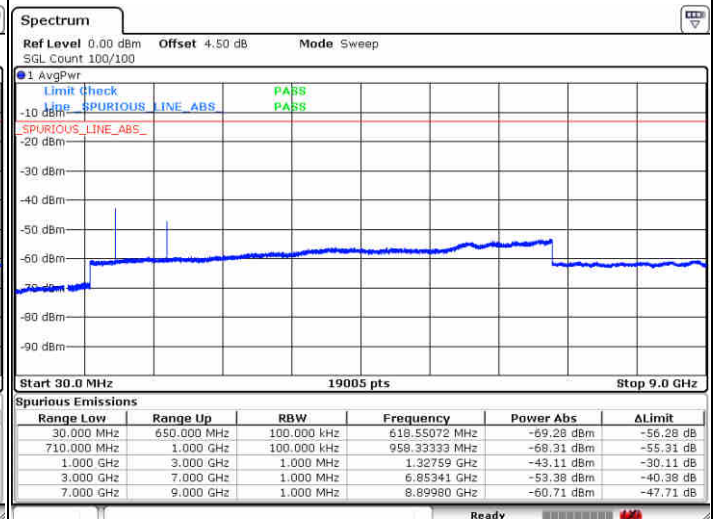
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 29 OCT 2019 15:26:46

Lowest Channel / 16QAM

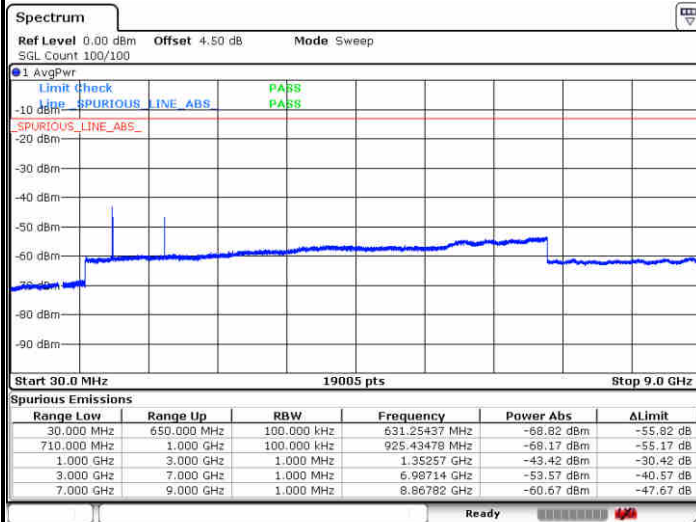


Date: 29 OCT 2019 15:27:28



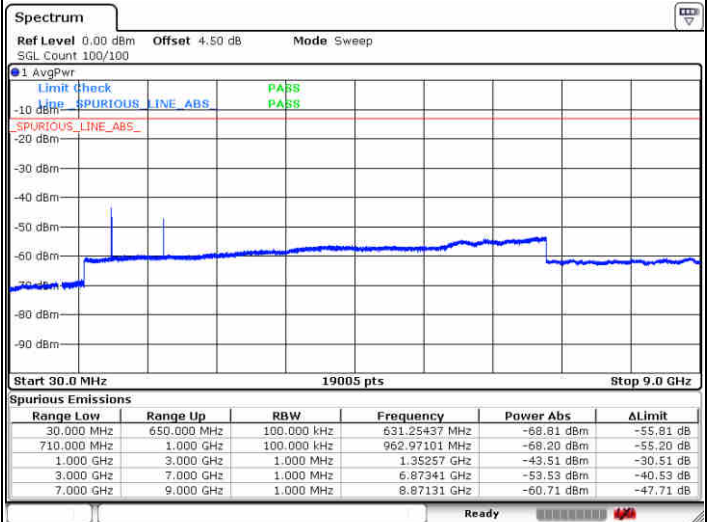
LTE Band 71 / 10MHz

Middle Channel / QPSK



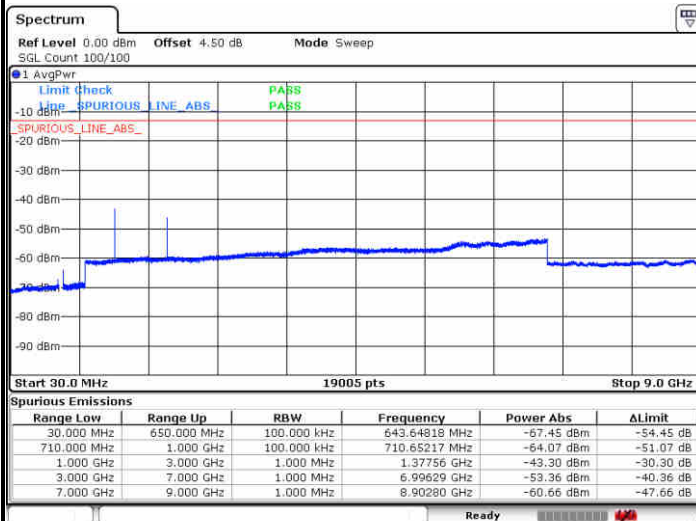
Date: 29 OCT 2019 15:26:06

Middle Channel / 16QAM



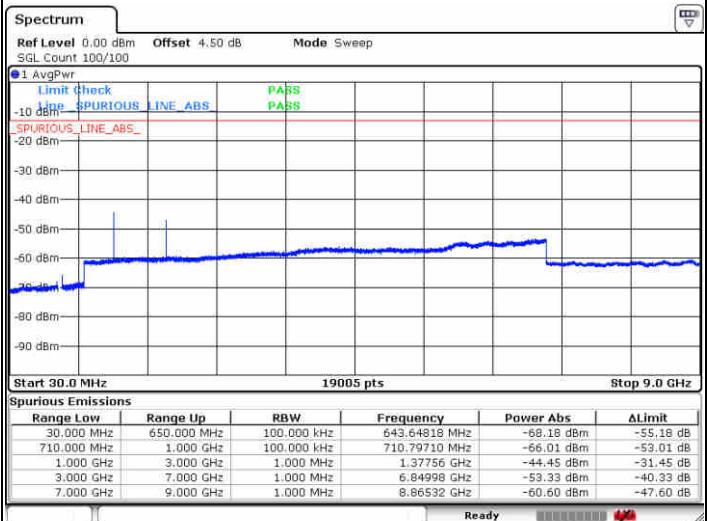
Date: 29 OCT 2019 15:25:35

Highest Channel / QPSK



Date: 29 OCT 2019 15:22:49

Highest Channel / 16QAM

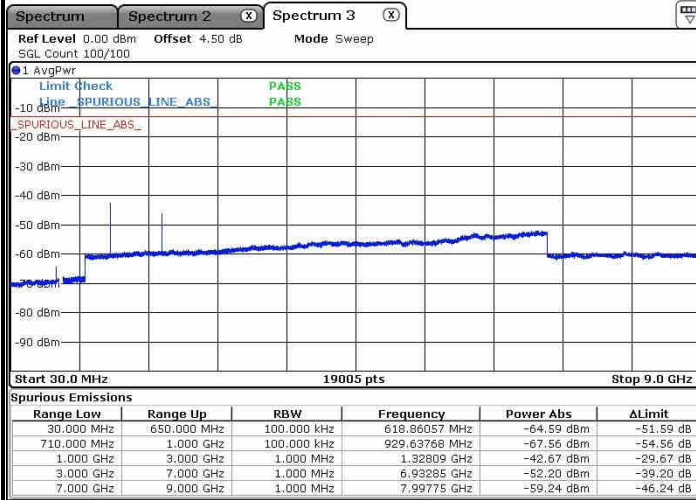


Date: 29 OCT 2019 15:23:45



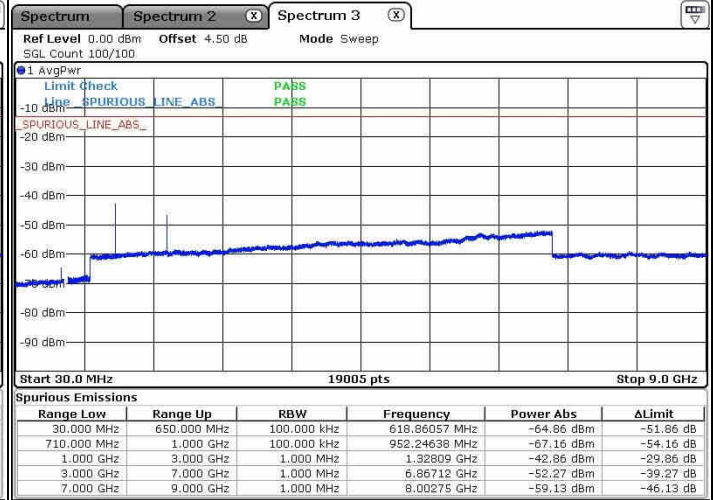
LTE Band 71 / 15MHz

Lowest Channel / QPSK



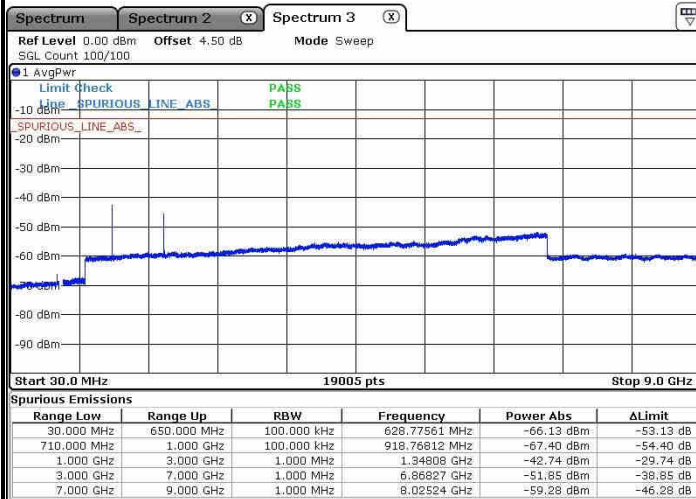
Date: 29.OCT.2019 16:37:19

Lowest Channel / 16QAM



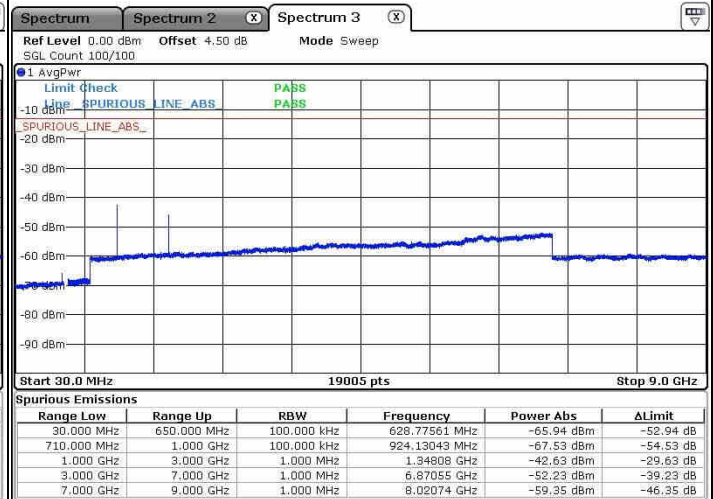
Date: 29.OCT.2019 16:36:44

Middle Channel / QPSK



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

Middle Channel / 16QAM

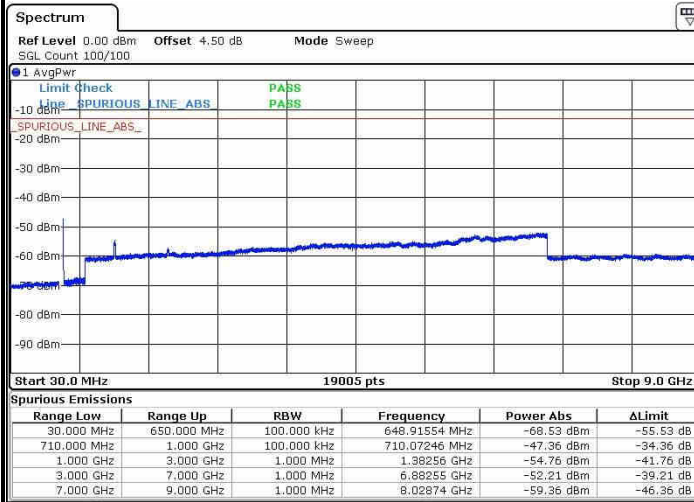


Date: 29.OCT.2019 16:38:39



LTE Band71 / 15MHz

Highest Channel / QPSK



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

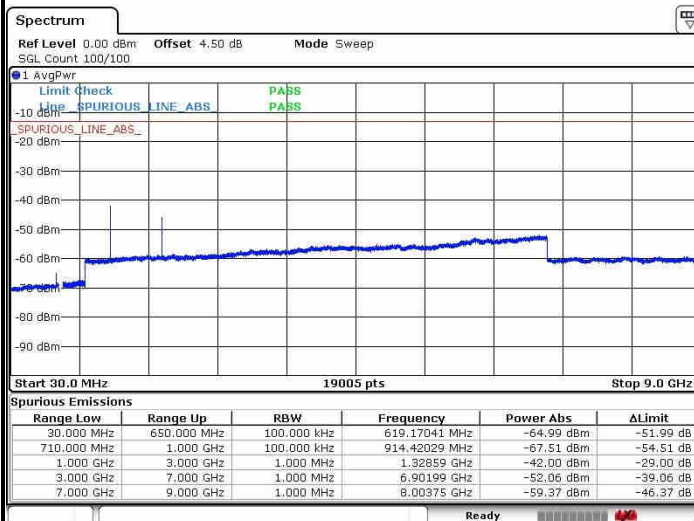
Highest Channel / 16QAM



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

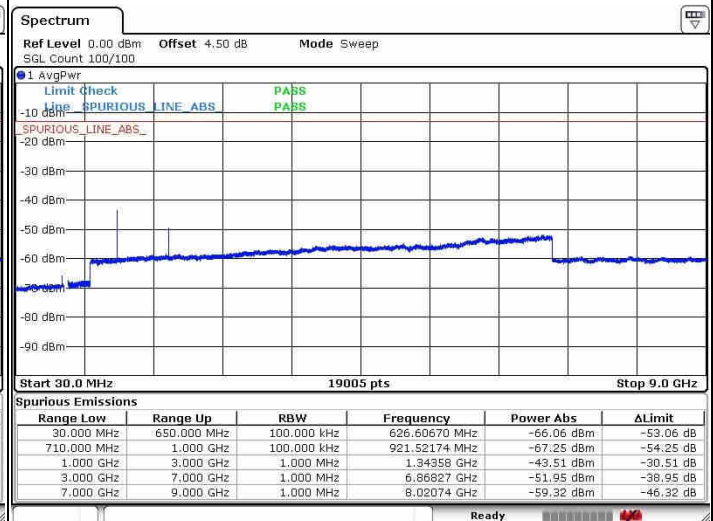
LTE Band 71 / 20MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

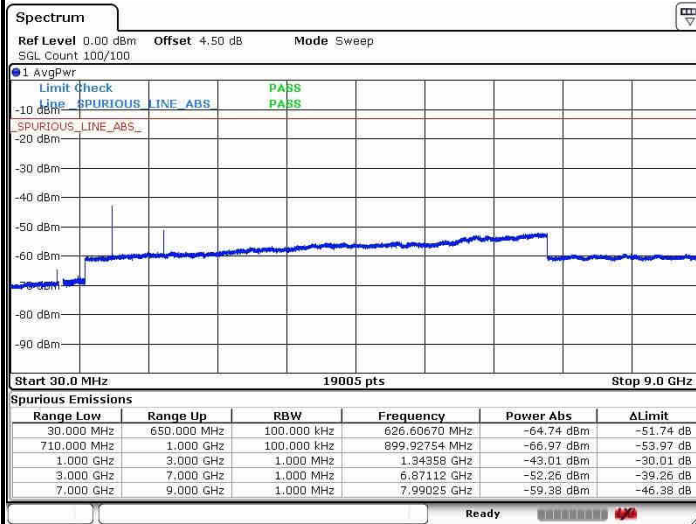


Date: 29.OCT.2019 17:32:59



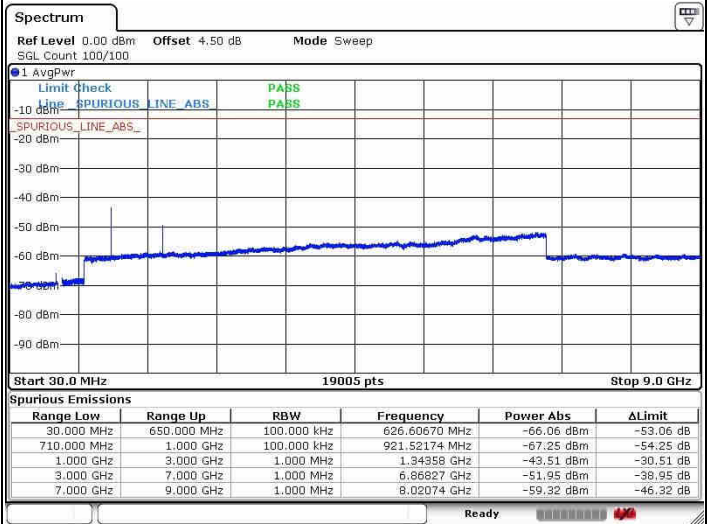
LTE Band 71 / 20MHz

Middle Channel / QPSK



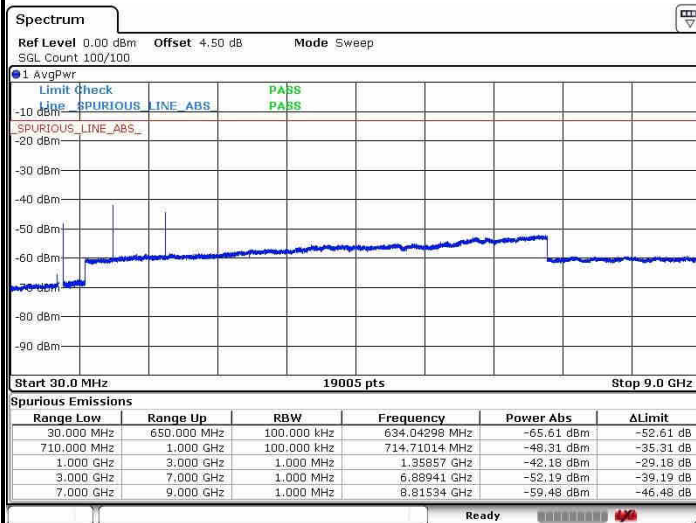
Date: 29.OCT.2019 17:33:32

Middle Channel / 16QAM



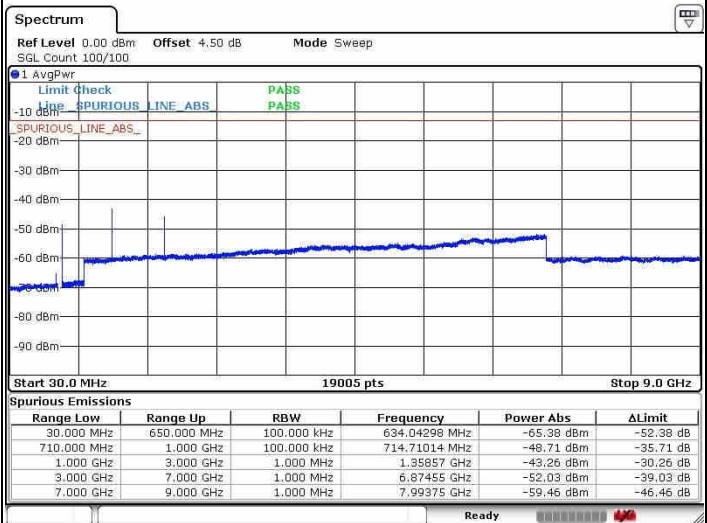
Date: 29.OCT.2019 17:32:59

Highest Channel / QPSK



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

Highest Channel / 16QAM

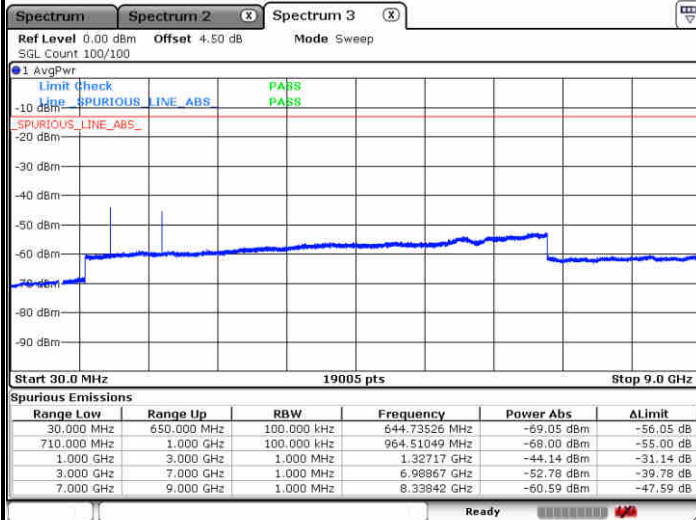


Date: 29.OCT.2019 17:35:06



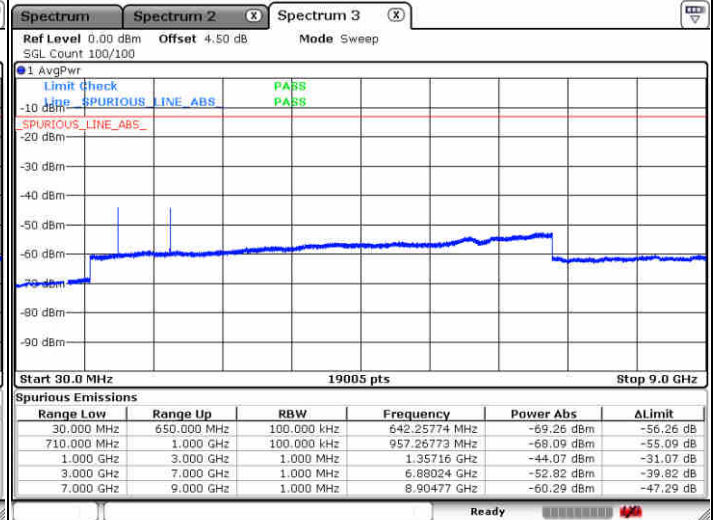
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



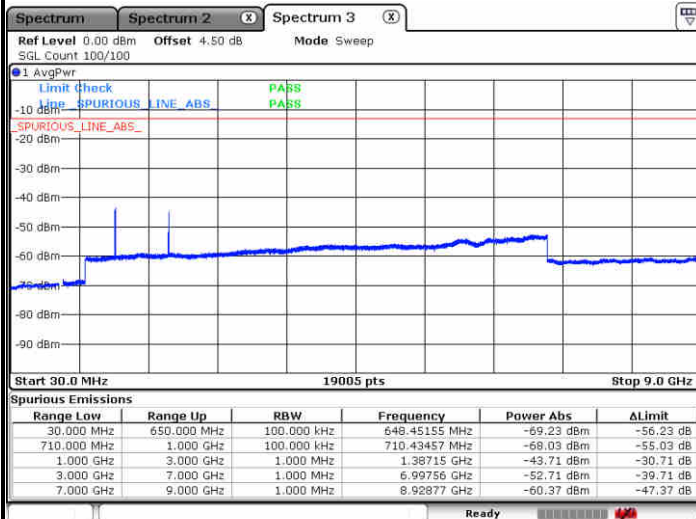
Date: 28 OCT 2019 17:00:43

Middle Channel / 64QAM



Date: 28 OCT 2019 17:01:44

Highest Channel / 64QAM

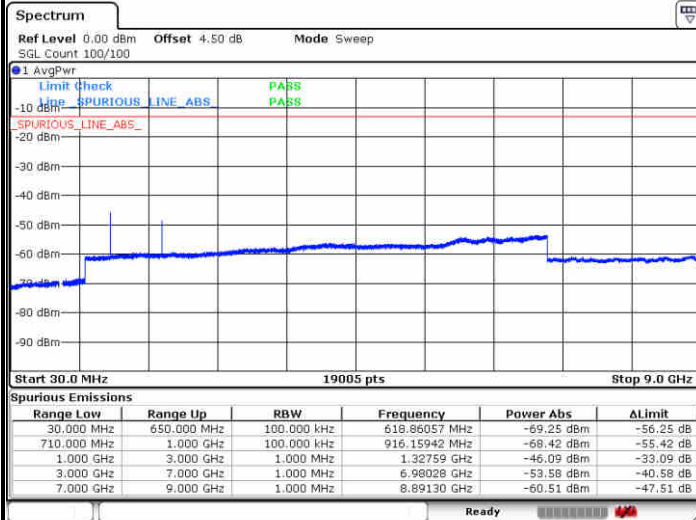


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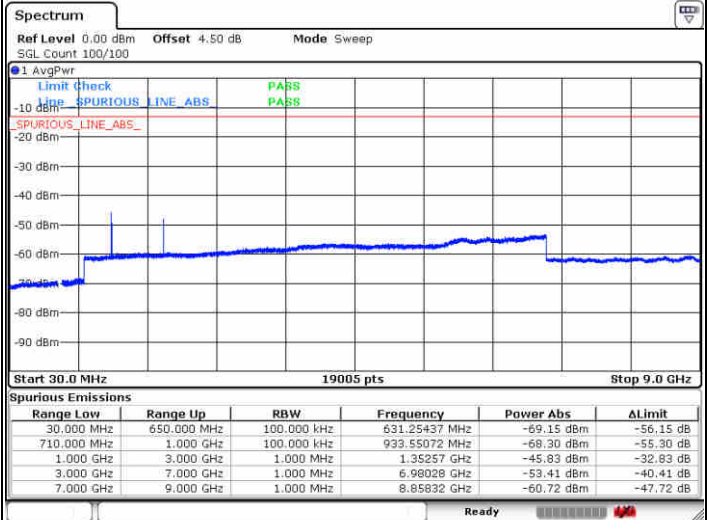
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



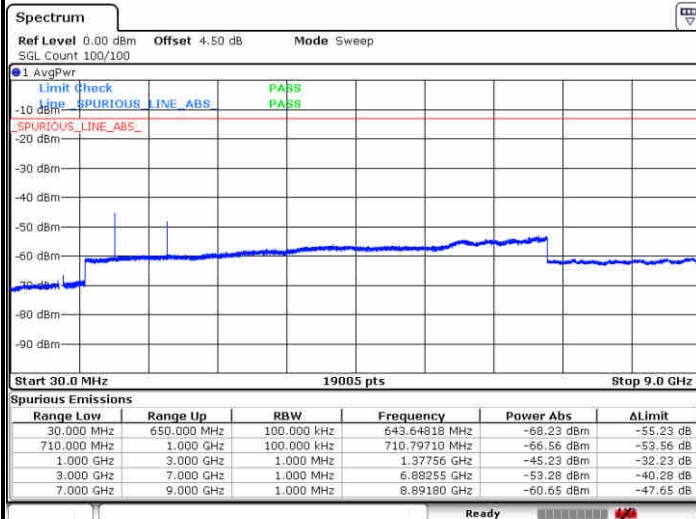
Date: 29 OCT 2019 15:27:58

Middle Channel / 64QAM



Date: 29 OCT 2019 15:25:01

Highest Channel / 64QAM

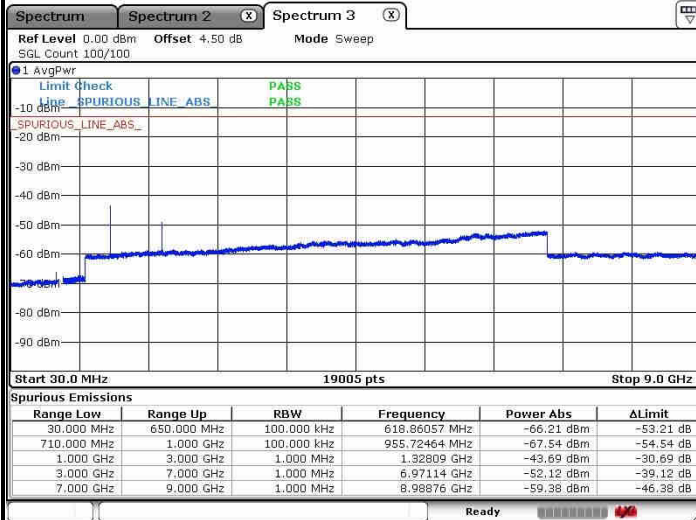


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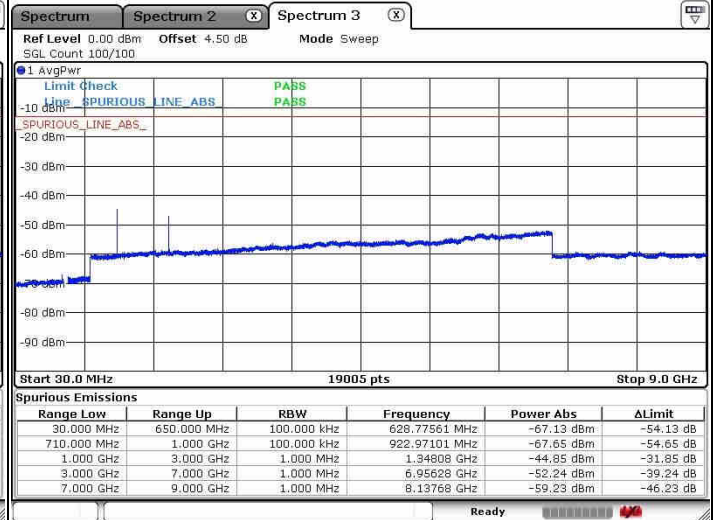
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



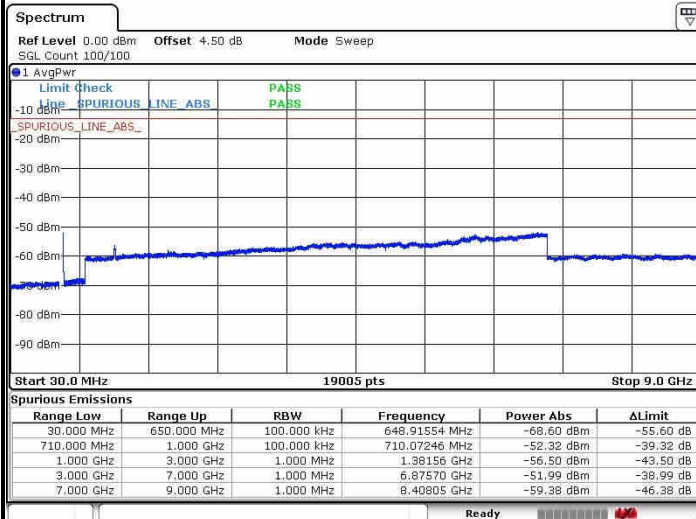
Date: 29.OCT.2019 16:35:59

Middle Channel / 64QAM



Date: 29.OCT.2019 16:39:14

Highest Channel / 64QAM

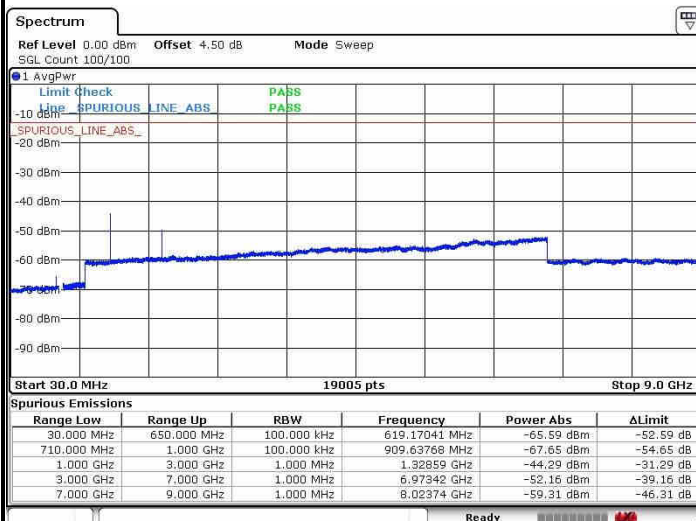


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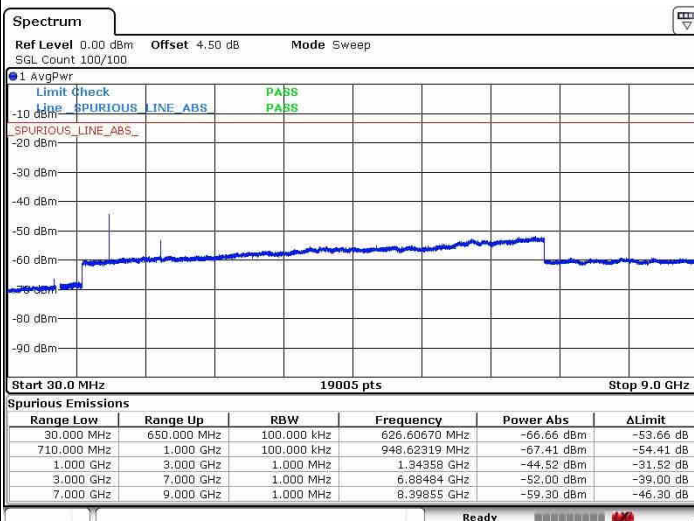
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



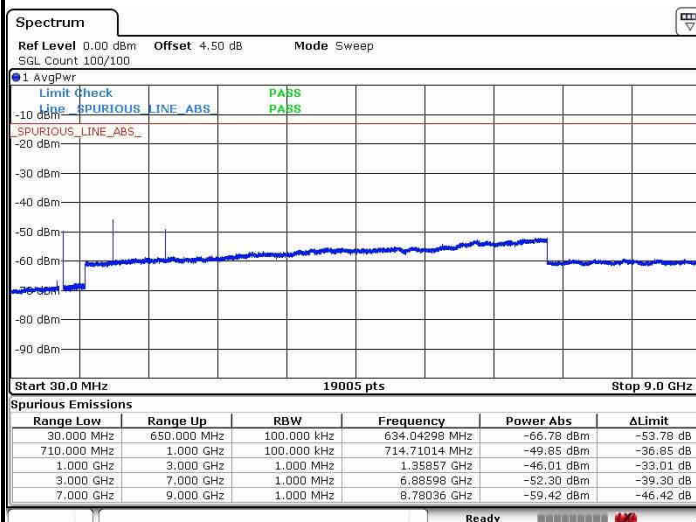
Date: 29.OCT.2019 17:31:49

Middle Channel / 64QAM



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

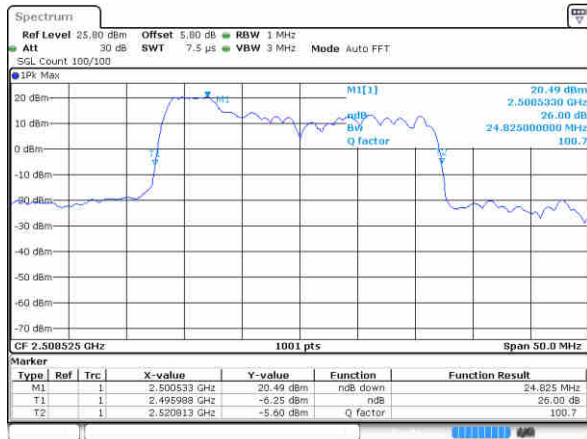
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.08	29.85	25.13	30.57
Middle CH	24.63	25.03	29.79	25.23	30.63
Highest CH	24.78	25.13	29.97	25.77	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	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



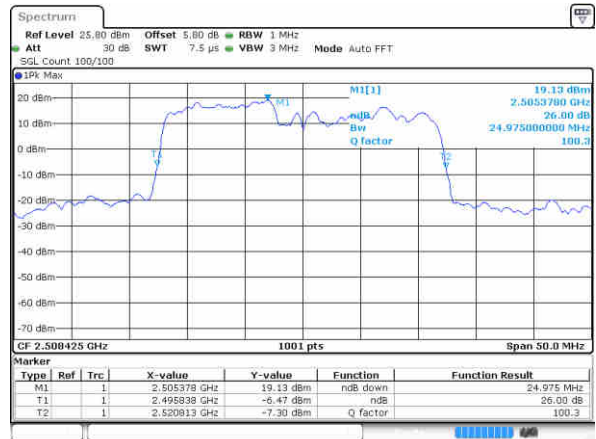
LTE Band 41

QPSK

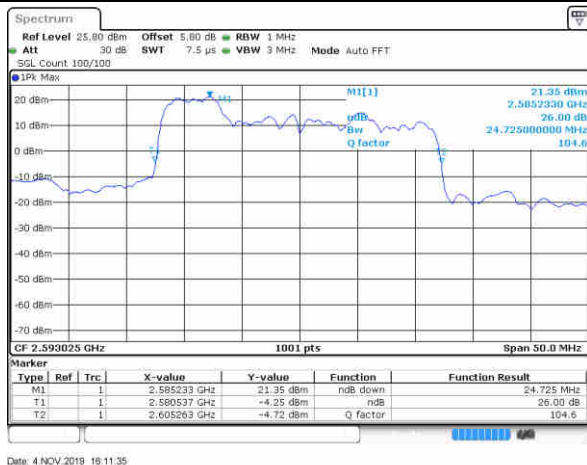
Lowest Channel / 5MHz+20MHz



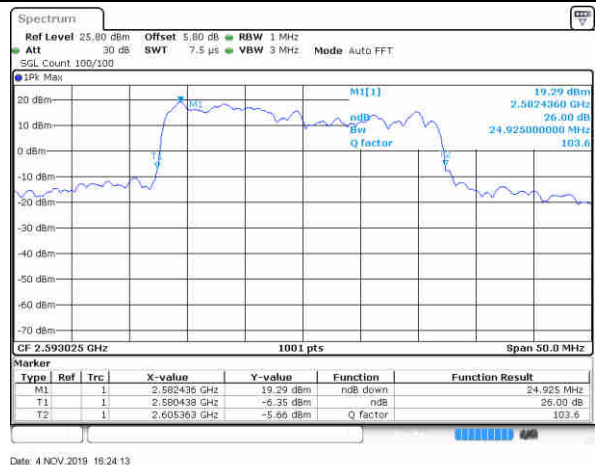
Lowest Channel / 10MHz+15MHz



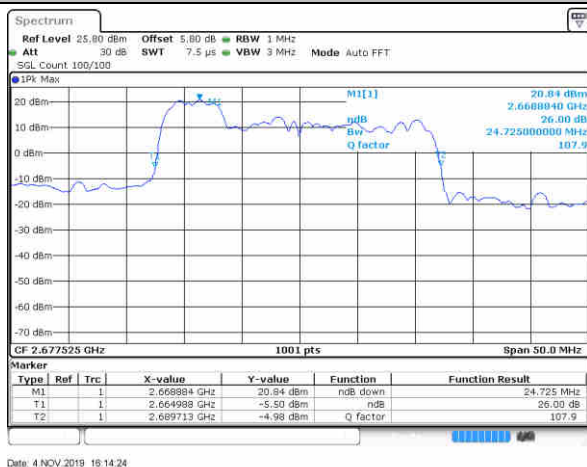
Middle Channel / 5MHz+20MHz



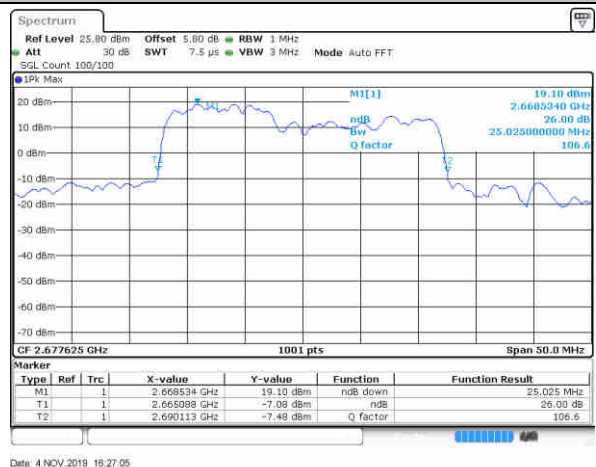
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

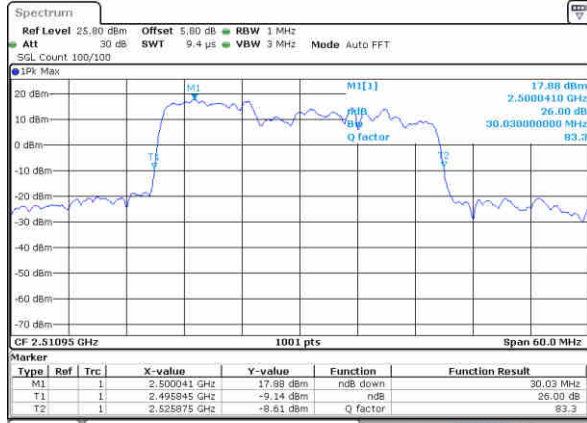




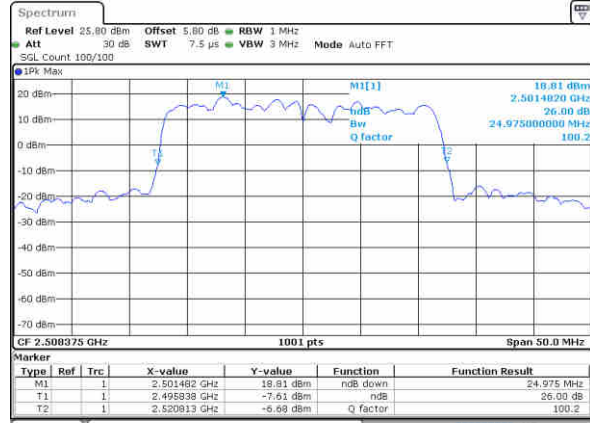
LTE Band 41

QPSK

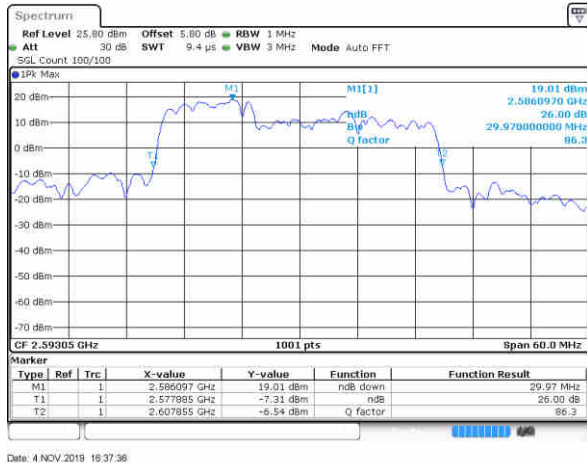
Lowest Channel / 10MHz+20MHz



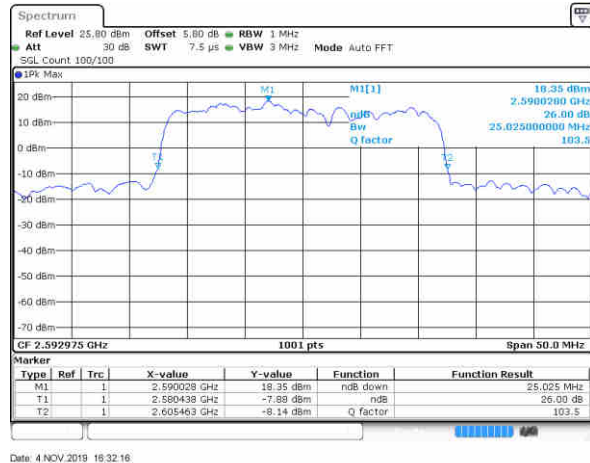
Lowest Channel / 15MHz+10MHz



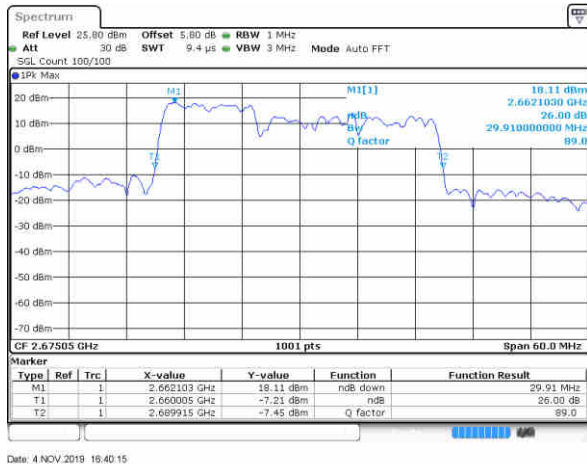
Middle Channel / 10MHz+20MHz



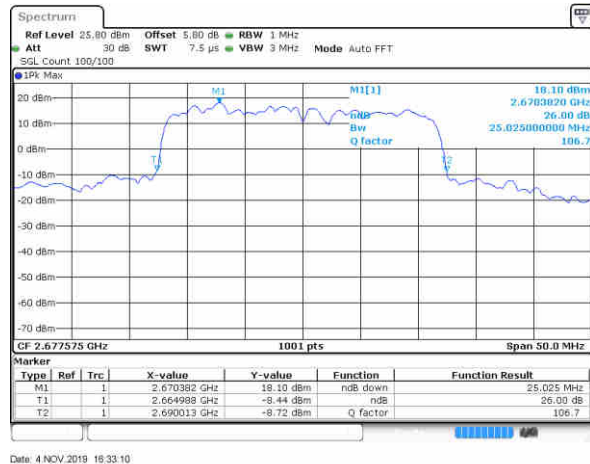
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

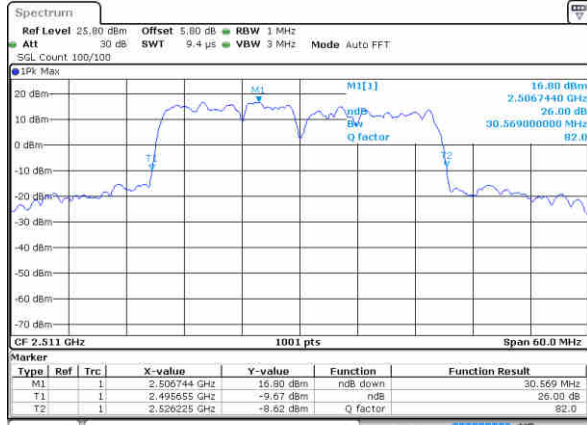




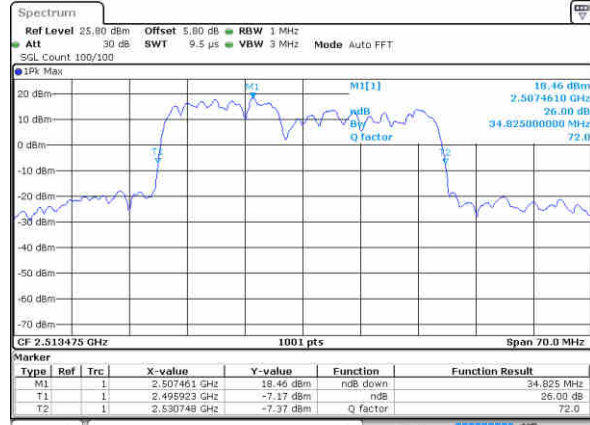
LTE Band 41

QPSK

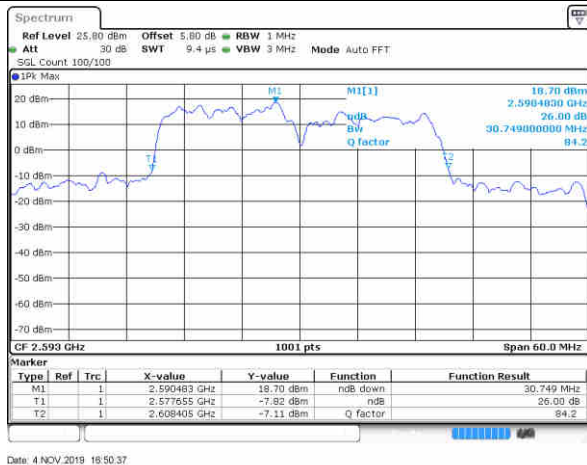
Lowest Channel / 15MHz+15MHz



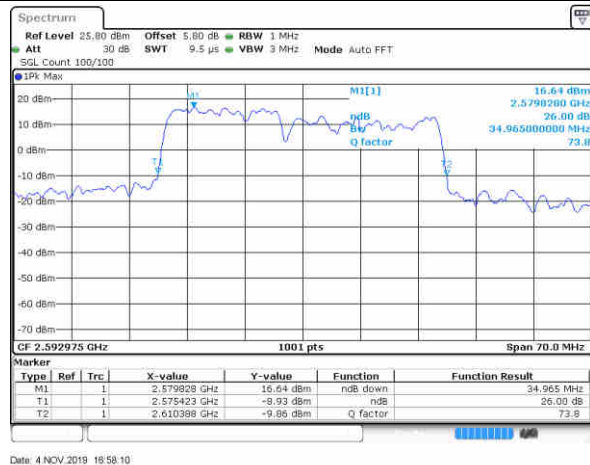
Lowest Channel / 15MHz+20MHz



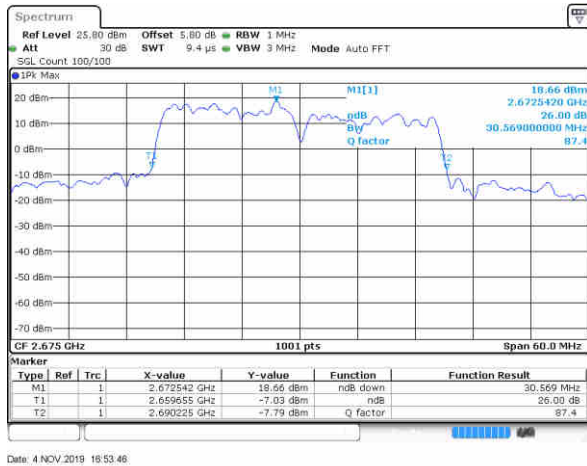
Middle Channel / 15MHz+15MHz



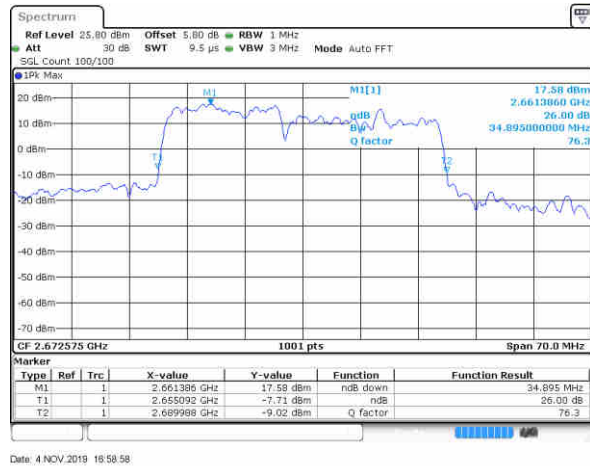
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

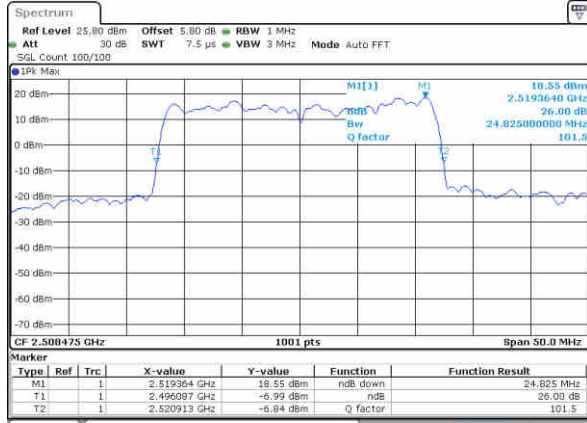




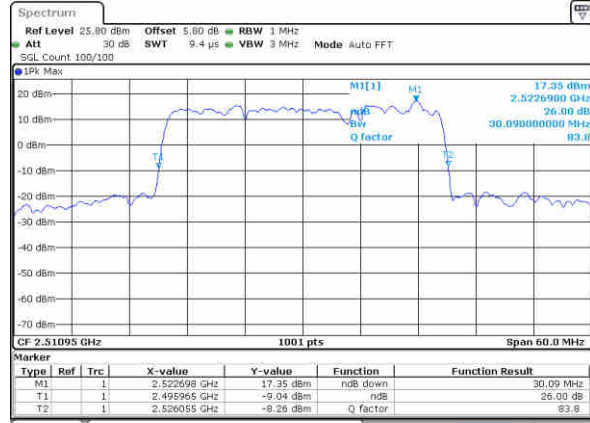
LTE Band 41

QPSK

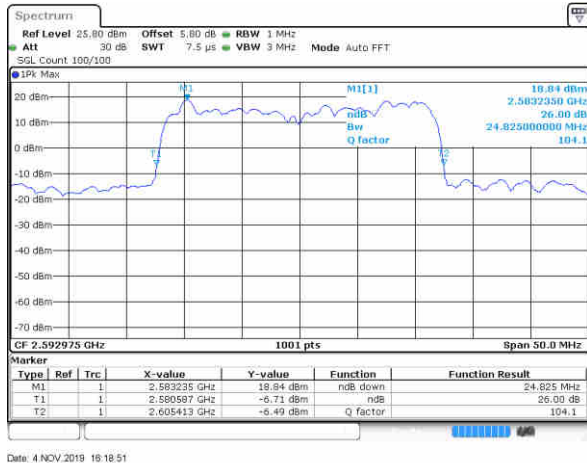
Lowest Channel / 20MHz+5MHz



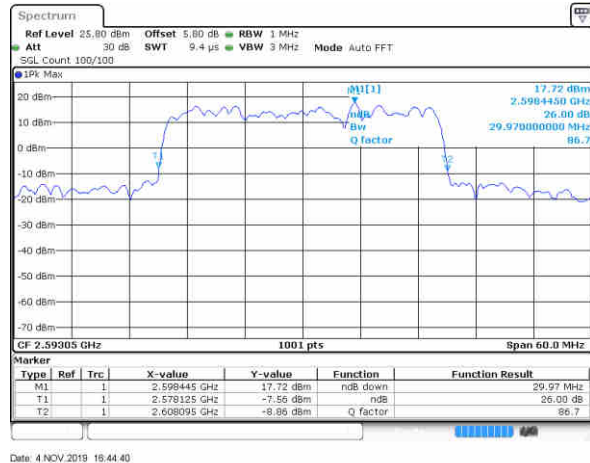
Lowest Channel / 20MHz+10MHz



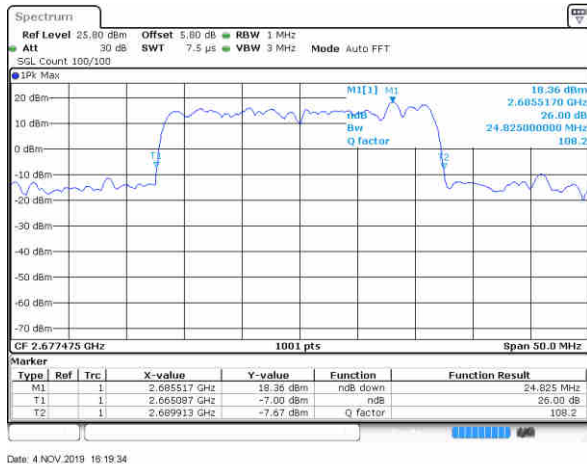
Middle Channel / 20MHz+5MHz



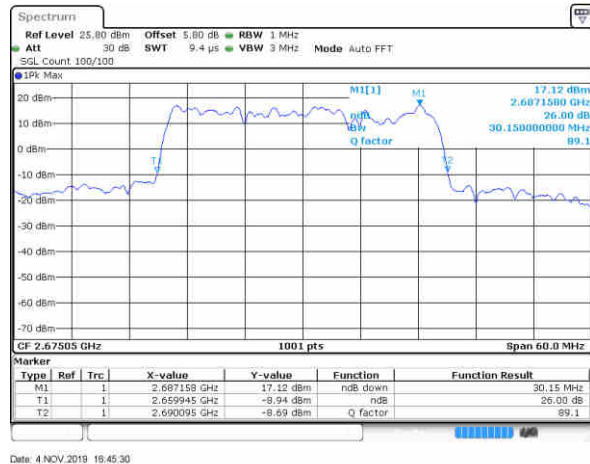
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

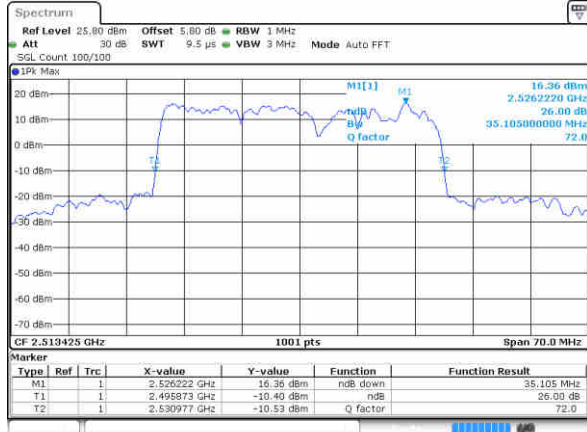




LTE Band 41

QPSK

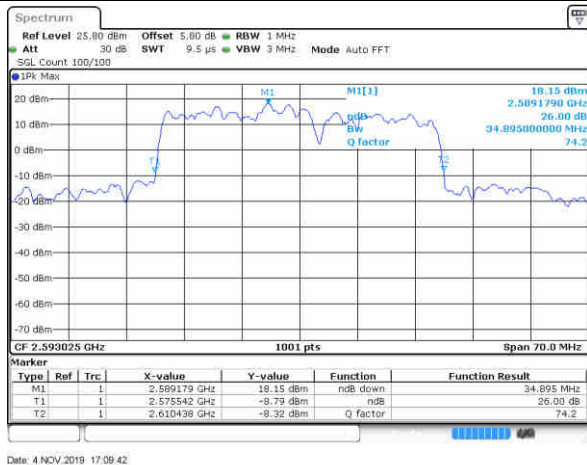
Lowest Channel / 20MHz+15MHz



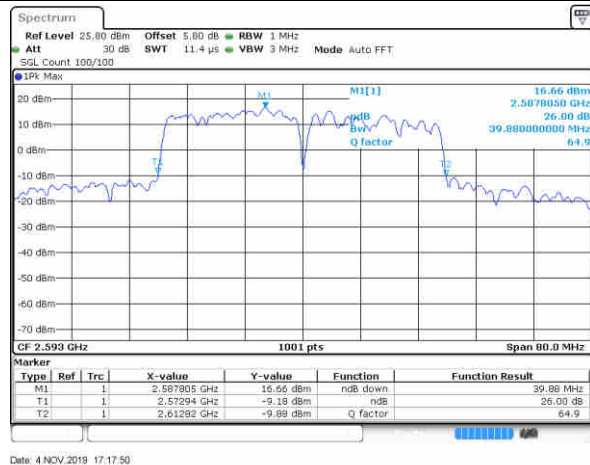
Lowest Channel / 20MHz+20MHz



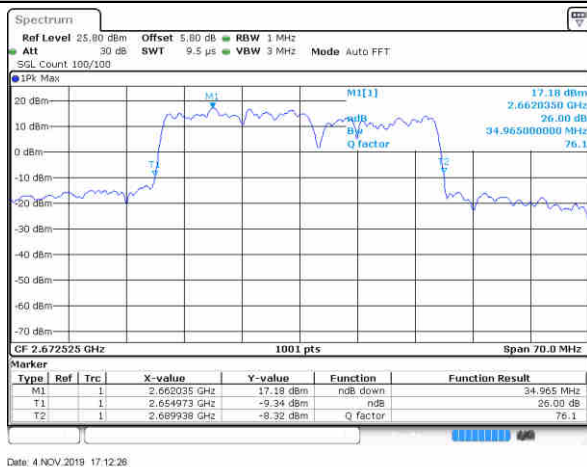
Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

