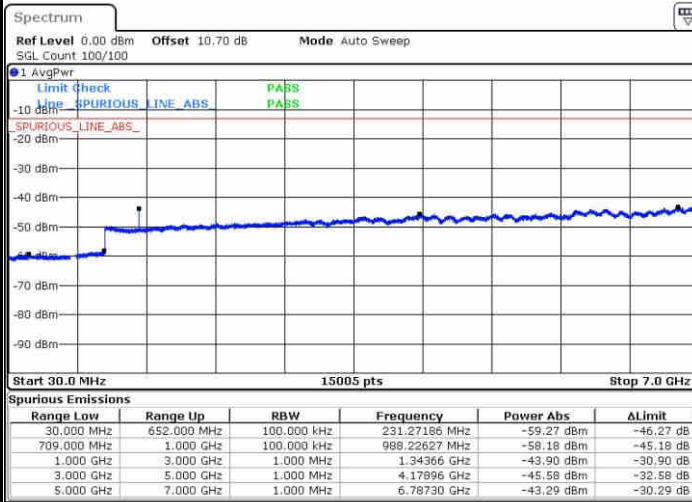




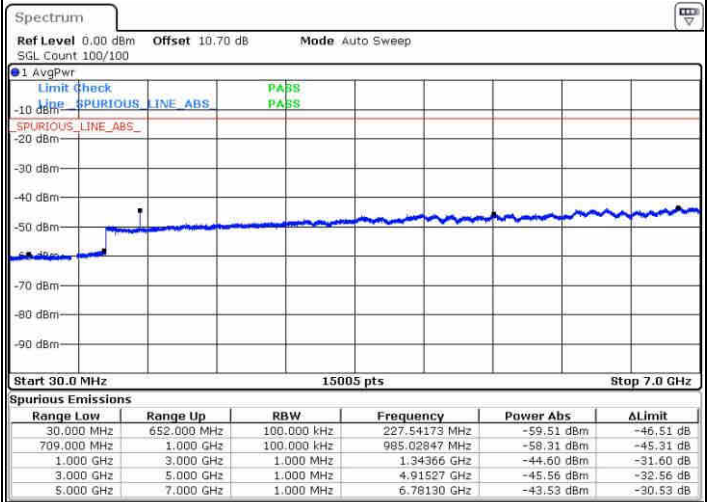
LTE Band 71 / 20MHz

Middle Channel / QPSK



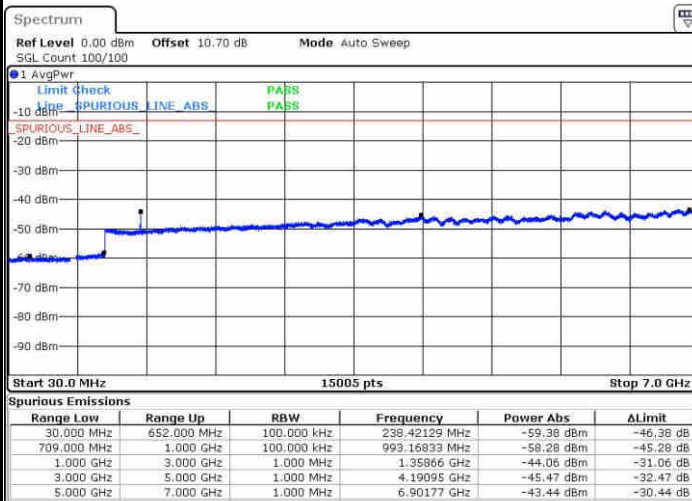
Date: 7.MAY.2019 07:07:11

Middle Channel / 16QAM



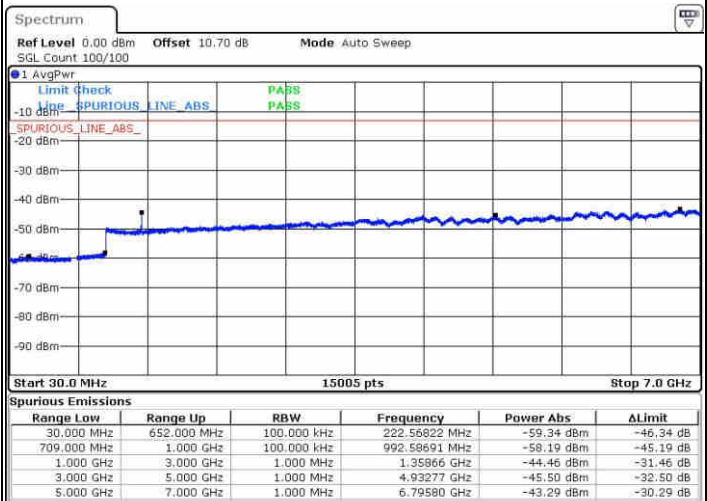
Date: 7.MAY.2019 07:07:55

Highest Channel / QPSK



Date: 7.MAY.2019 07:12:33

Highest Channel / 16QAM

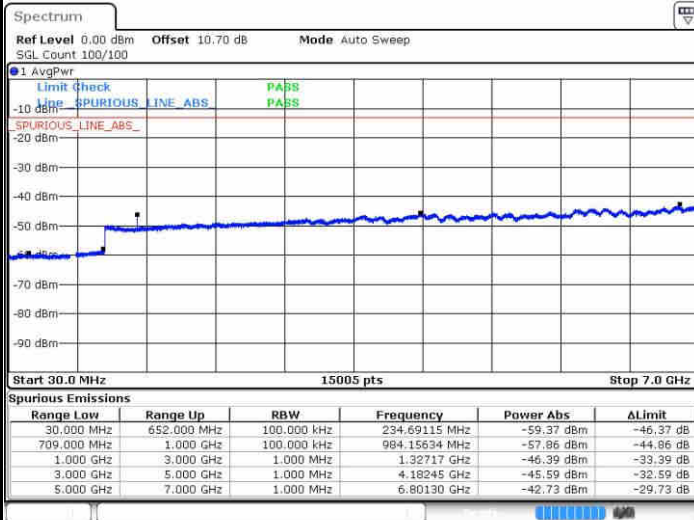


Date: 7.MAY.2019 07:13:18



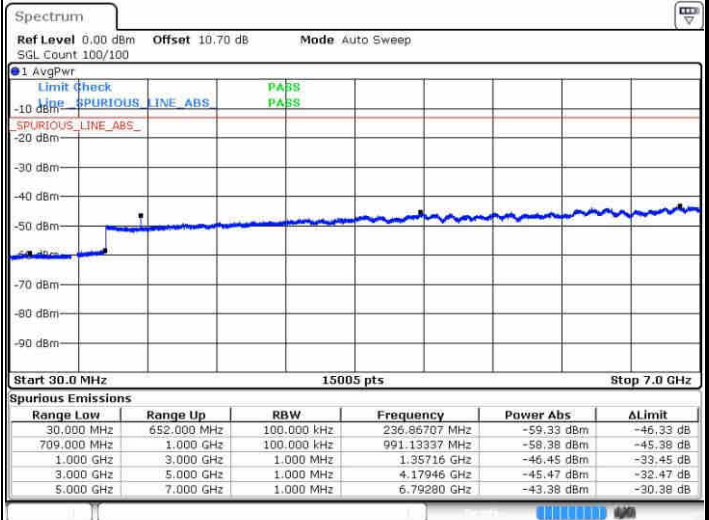
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



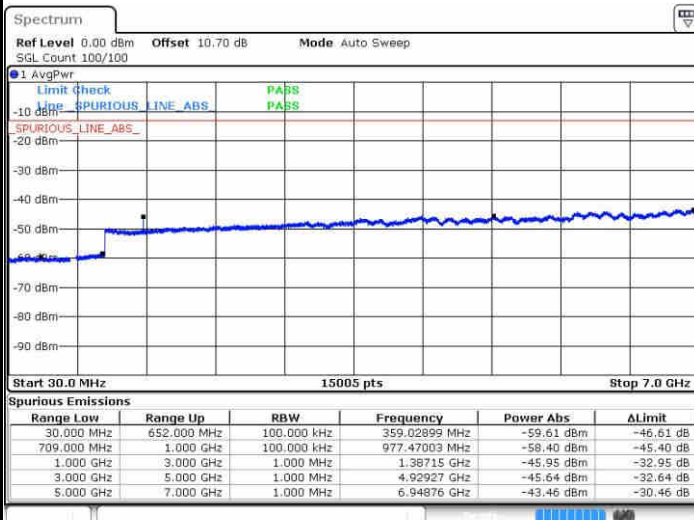
Date: 7.MAY.2019 06:17:17

Middle Channel / 64QAM



Date: 7.MAY.2019 06:18:26

Highest Channel / 64QAM

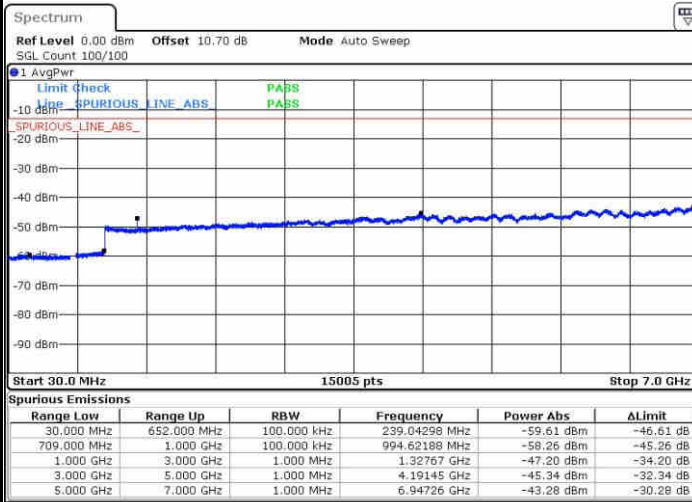


Date: 7.MAY.2019 06:21:07



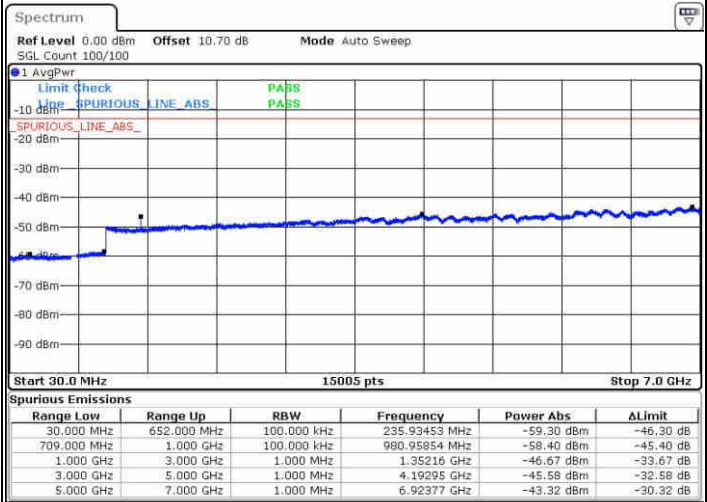
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



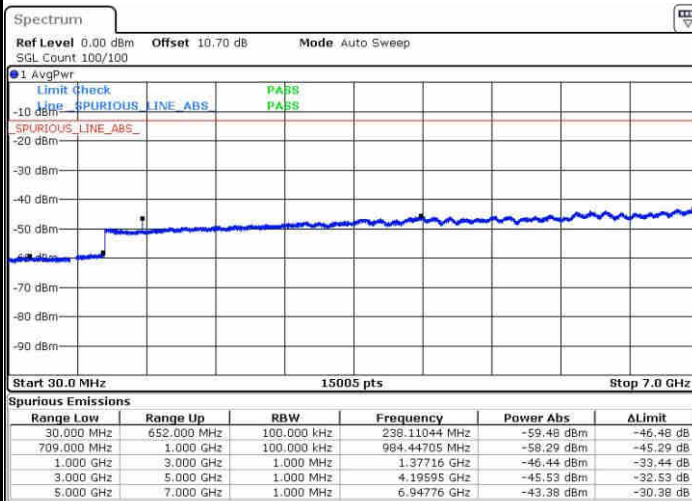
Date: 7.MAY.2019 06:36:50

Middle Channel / 64QAM



Date: 7.MAY.2019 06:37:58

Highest Channel / 64QAM

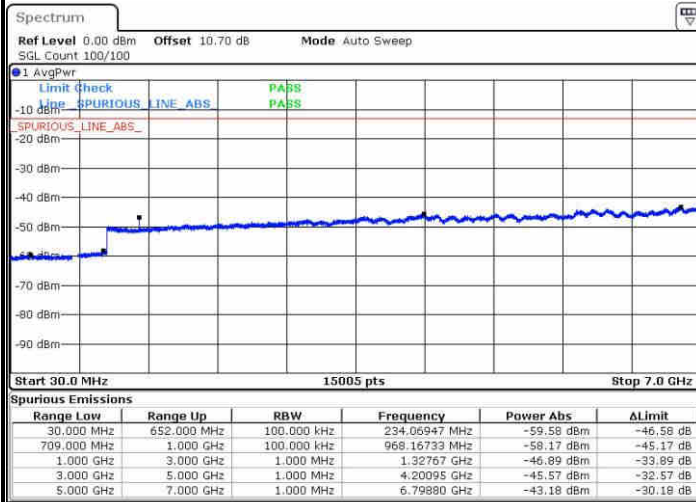


Date: 7.MAY.2019 06:40:40



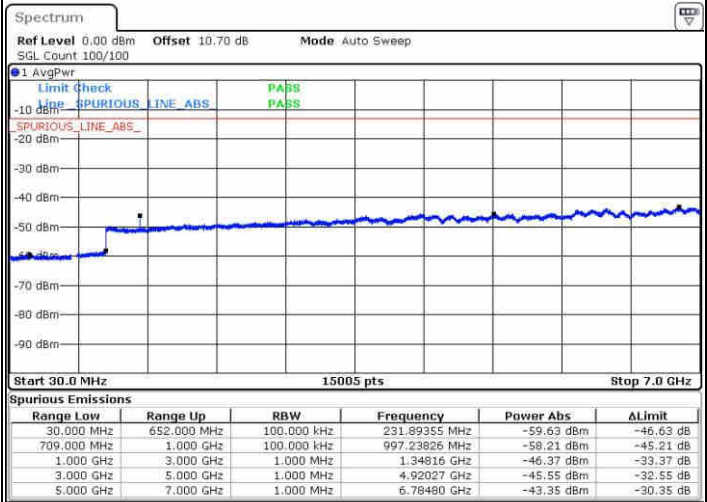
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



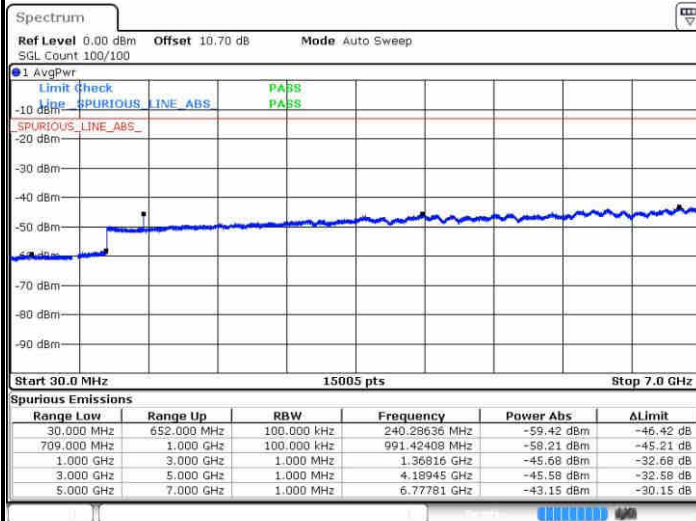
Date: 7.MAY.2019 06:56:25

Middle Channel / 64QAM



Date: 7.MAY.2019 06:57:33

Highest Channel / 64QAM

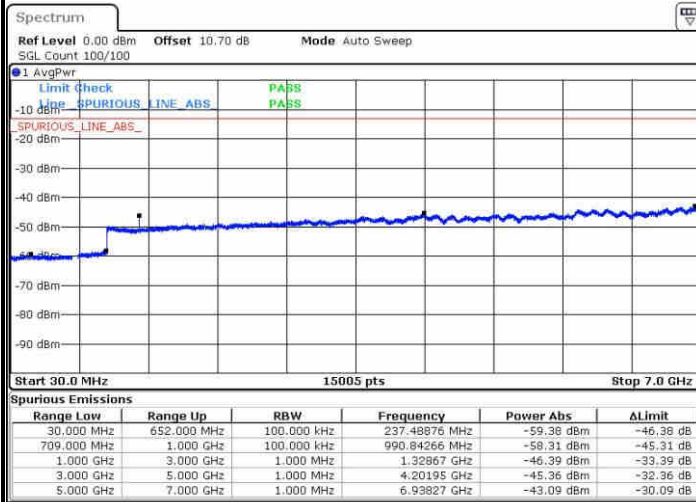


Date: 7.MAY.2019 07:00:15



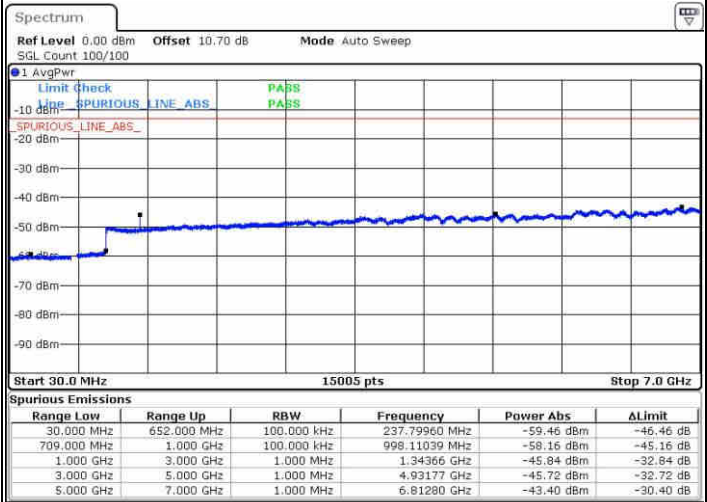
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



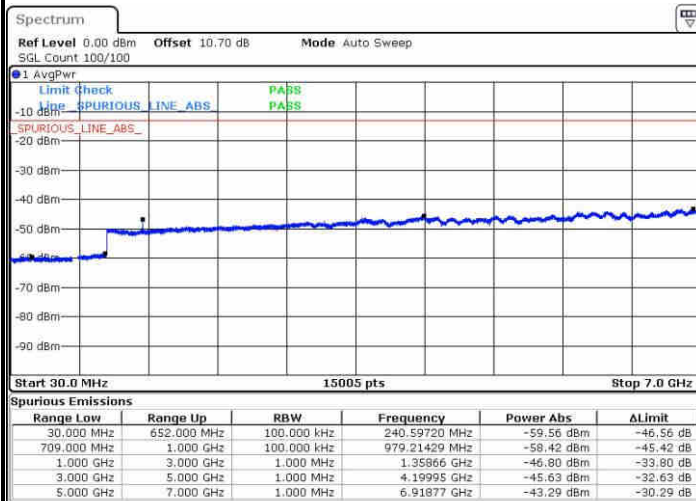
Date: 7.MAY.2019 07:15:59

Middle Channel / 64QAM



Date: 7.MAY.2019 07:17:07

Highest Channel / 64QAM



Date: 7.MAY.2019 07:19:49

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	0.0016	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0138	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**For G020Q****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	24.73	25.12	29.85	25.23	30.57
Middle CH	24.82	24.98	30.03	25.18	30.45
Highest CH	24.77	25.12	29.73	25.12	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.93	30.03	34.97	39.72
Middle CH	34.90	24.88	30.03	34.97	39.88
Highest CH	34.83	24.88	29.91	34.69	39.72

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.68	25.07	29.91	25.12	30.39
Middle CH	24.57	25.12	29.85	25.12	30.57
Highest CH	24.68	25.02	29.97	25.07	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.68	30.03	34.83	39.64
Middle CH	34.76	24.93	29.97	34.83	39.72
Highest CH	34.83	24.88	30.15	34.90	39.80

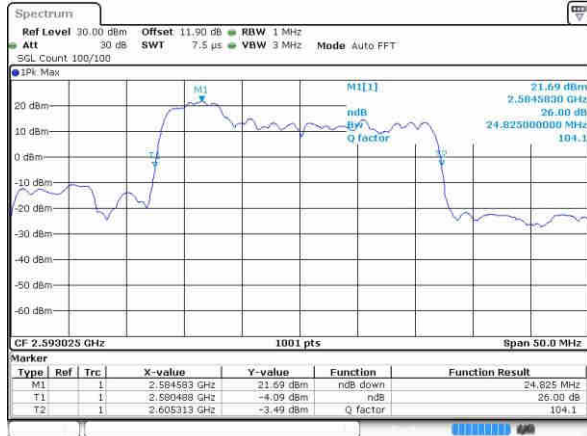
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.12	29.79	25.07	30.39
Middle CH	24.57	25.07	29.85	25.18	30.51
Highest CH	24.82	25.12	29.97	25.18	30.75
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.68	29.97	35.03	39.80
Middle CH	34.69	24.93	30.03	34.83	39.88
Highest CH	34.76	24.88	29.97	34.90	39.88



LTE Band 41

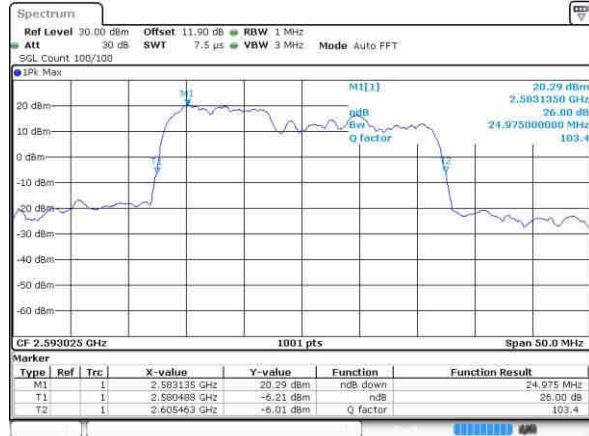
QPSK

Middle Channel / 5MHz+20MHz



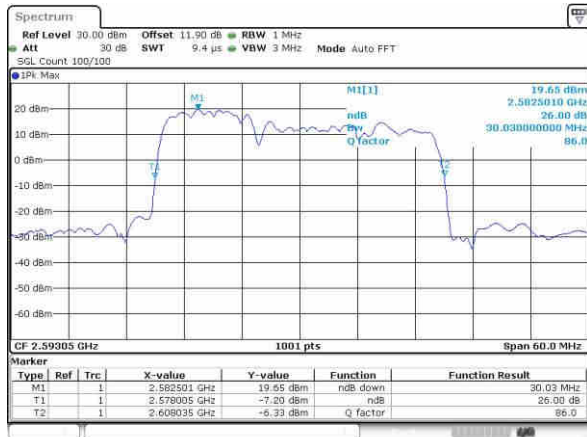
Date: 8 JUN 2019 08:20:42

Middle Channel / 10MHz+15MHz



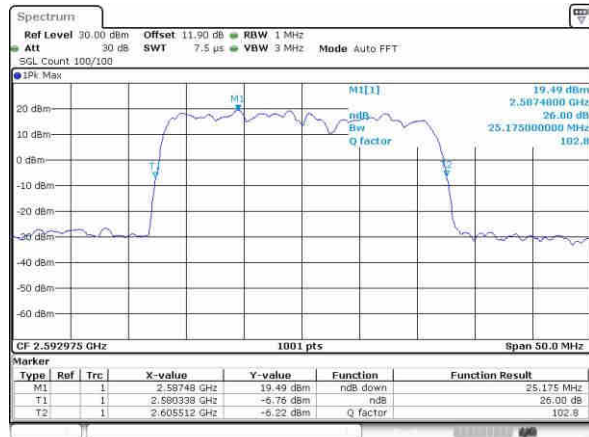
Date: 11 JUN 2019 14:53:30

Middle Channel / 10MHz+20MHz



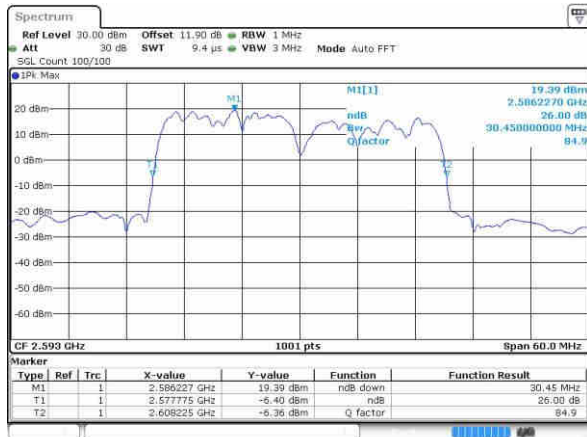
Date: 16 JUN 2019 17:18:19

Middle Channel / 15MHz+10MHz



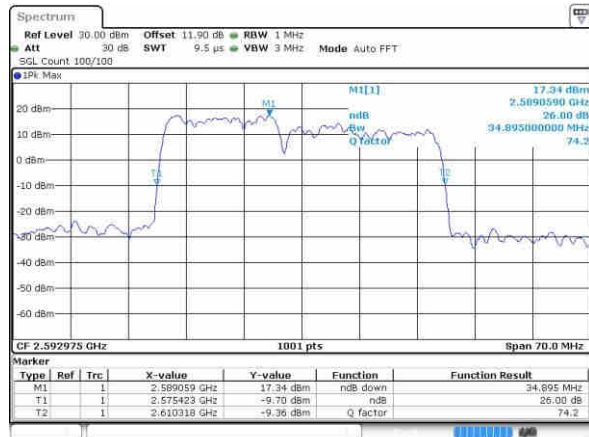
Date: 16 JUN 2019 19:41:54

Middle Channel / 15MHz+15MHz



Date: 17 JUN 2019 21:58:38

Middle Channel / 15MHz+20MHz



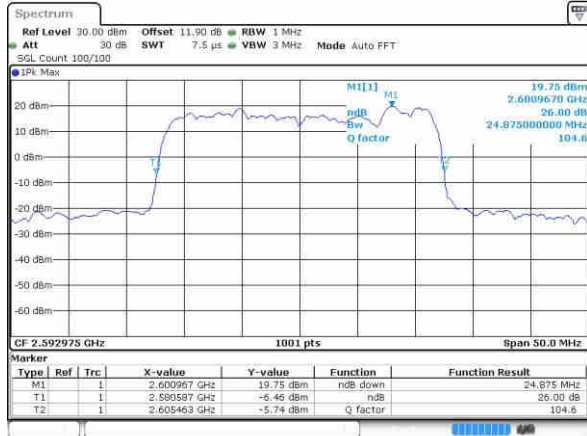
Date: 17 JUN 2019 23:39:34



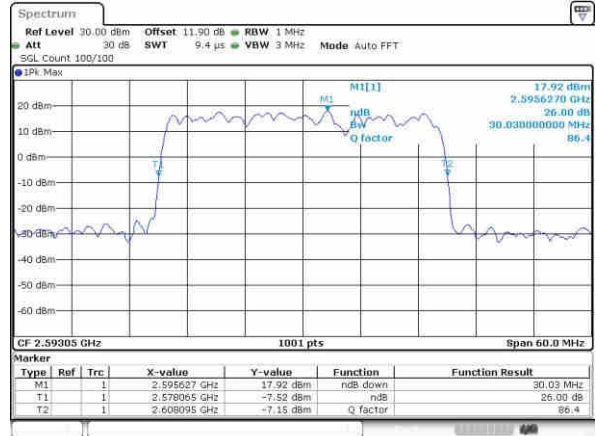
LTE Band 41

QPSK

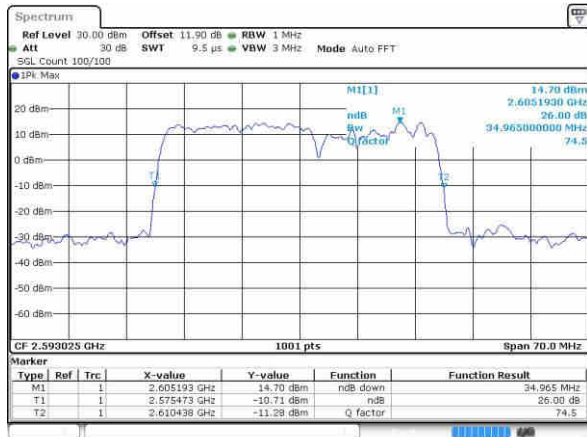
Middle Channel / 20MHz+5MHz



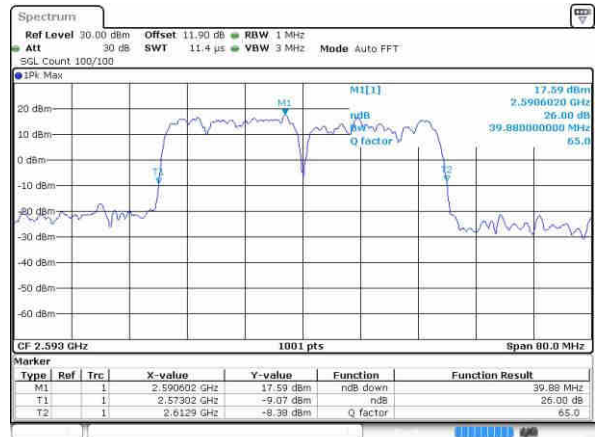
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

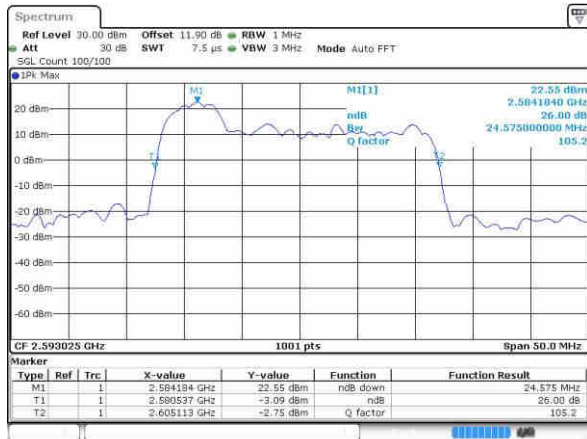




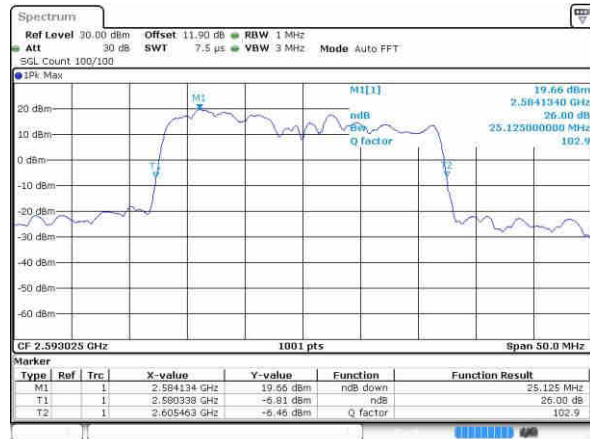
LTE Band 41

16QAM

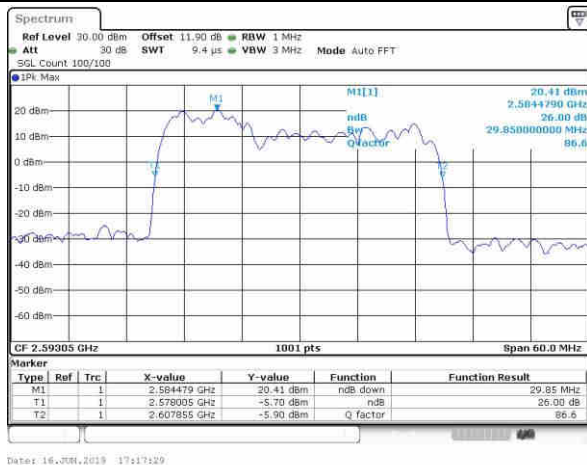
Middle Channel / 5MHz+20MHz



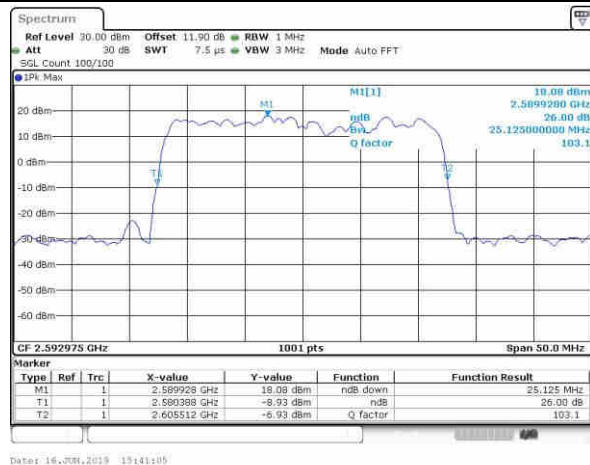
Middle Channel / 10MHz+15MHz



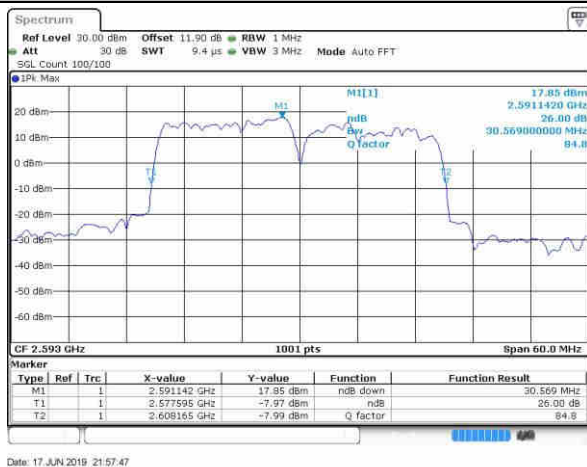
Middle Channel / 10MHz+20MHz



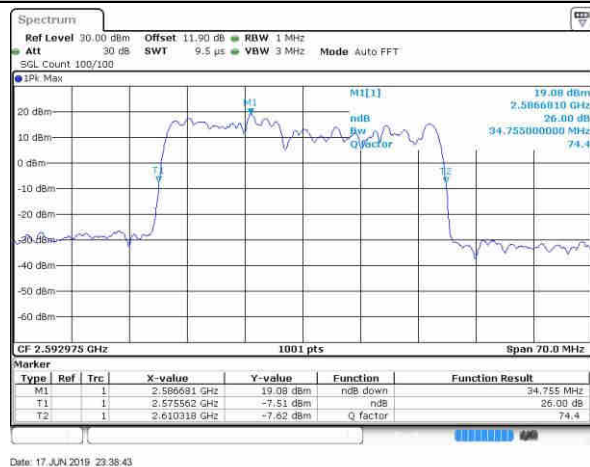
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

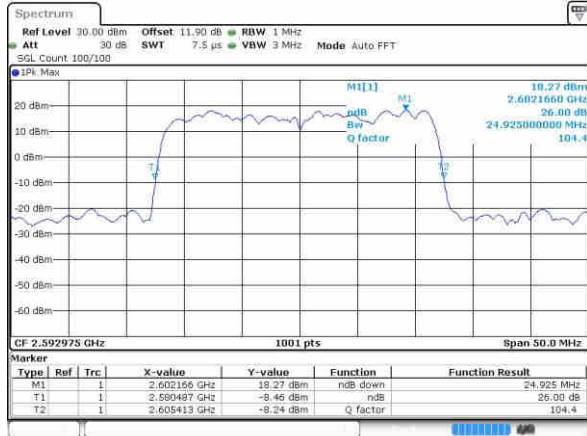




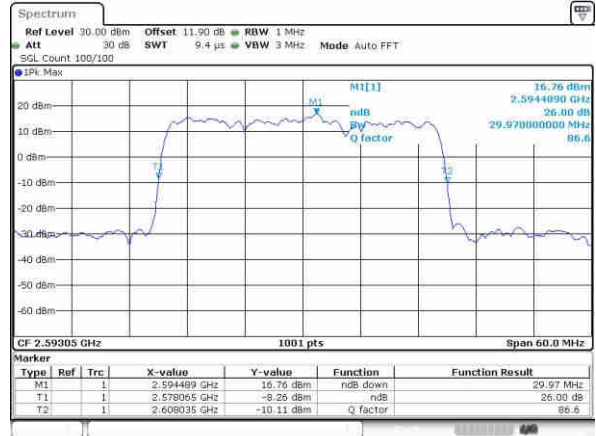
LTE Band 41

16QAM

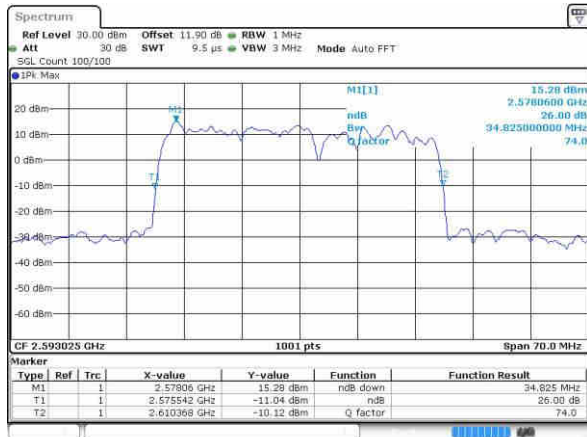
Middle Channel / 20MHz+5MHz



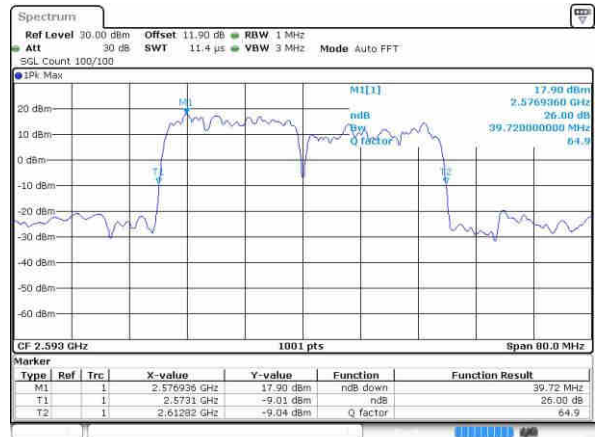
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

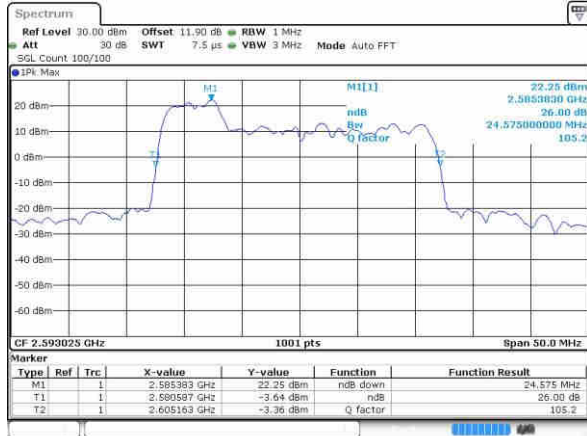




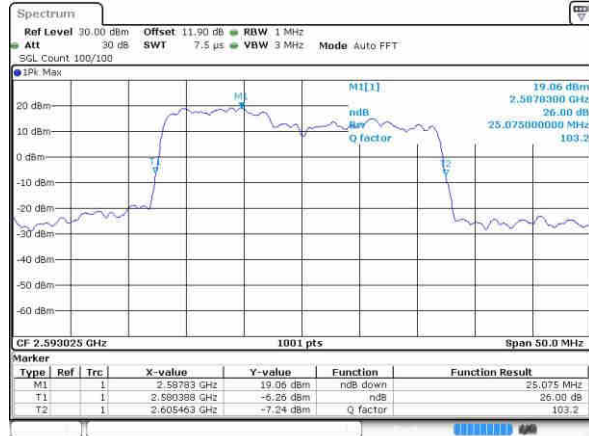
LTE Band 41

64QAM

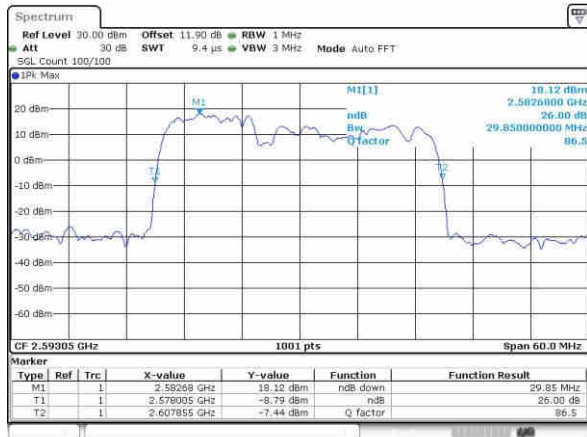
Middle Channel / 5MHz+20MHz



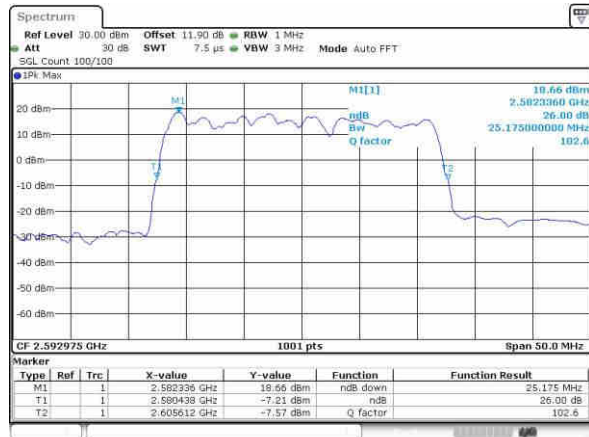
Middle Channel / 10MHz+15MHz



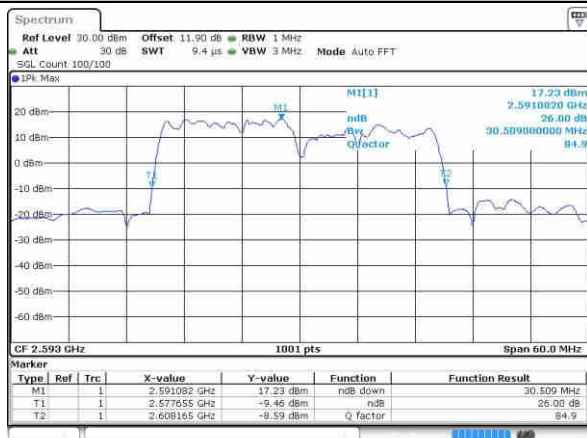
Middle Channel / 10MHz+20MHz



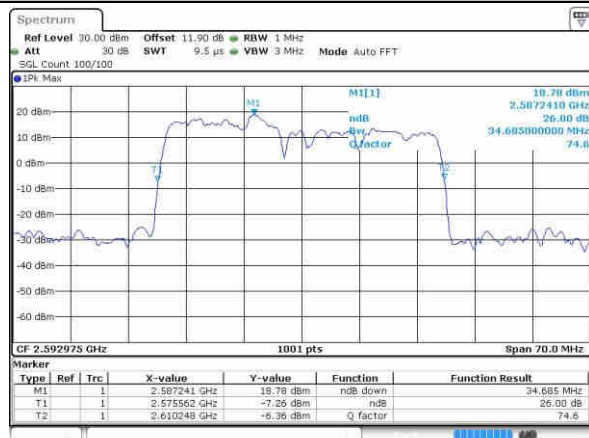
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

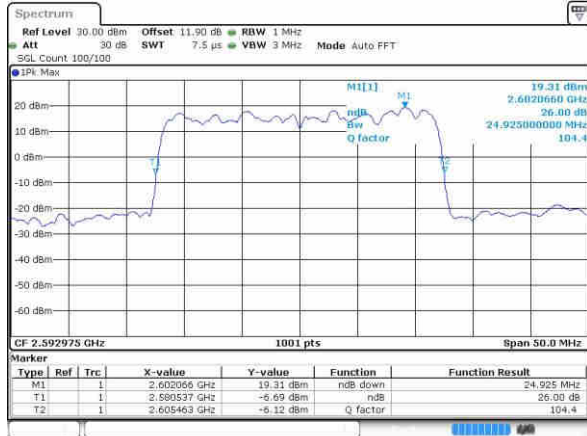




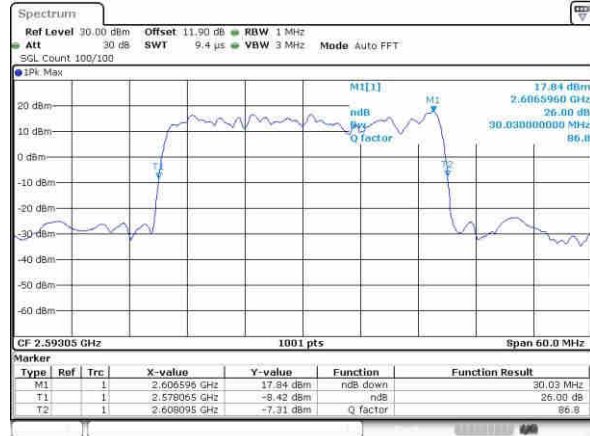
LTE Band 41

64QAM

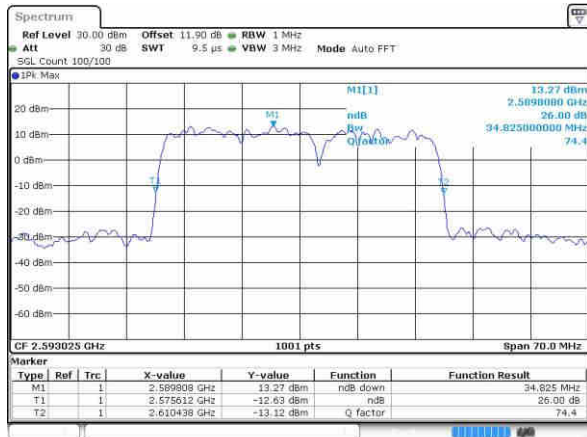
Middle Channel / 20MHz+5MHz



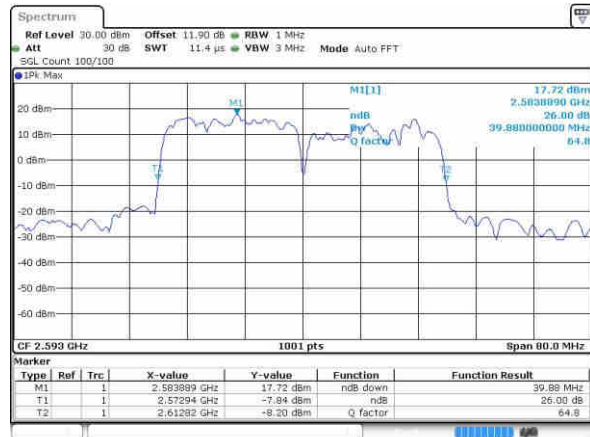
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.98	23.43	27.87	23.53	28.77
Middle CH	23.13	22.98	28.05	23.38	28.53
Highest CH	23.28	23.53	27.75	23.48	28.83
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.94	23.13	27.99	32.73	37.40
Middle CH	32.45	23.23	28.05	32.87	37.80
Highest CH	33.08	23.23	28.23	32.87	37.80

Mode	LTE Band 41 : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.13	23.08	27.75	23.53	28.83
Middle CH	23.03	23.43	28.05	23.53	28.11
Highest CH	22.88	23.28	27.99	23.48	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	23.13	28.11	32.66	37.80
Middle CH	32.52	23.23	28.29	32.73	37.80
Highest CH	32.73	23.28	28.05	32.94	37.64

Mode	LTE Band 41 : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.33	23.33	27.87	23.28	28.47
Middle CH	23.03	23.28	27.87	23.48	28.47
Highest CH	23.13	23.08	27.99	23.18	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.52	23.13	27.93	32.73	37.48
Middle CH	32.52	23.13	27.93	32.80	37.88
Highest CH	32.59	23.13	28.47	32.94	37.80



LTE Band 41

QPSK

Middle Channel / 5MHz+20MHz



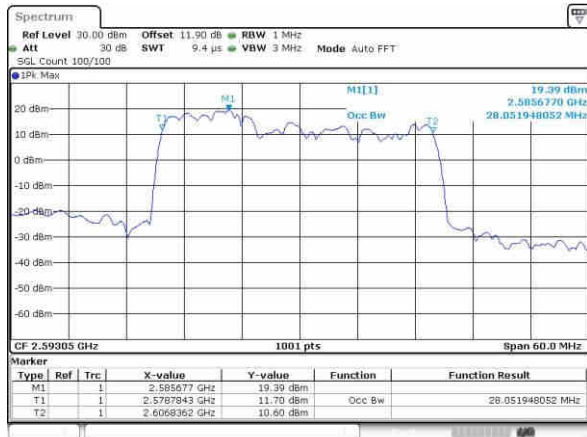
Date: 8 JUN 2019 08:16:40

Middle Channel / 10MHz+15MHz



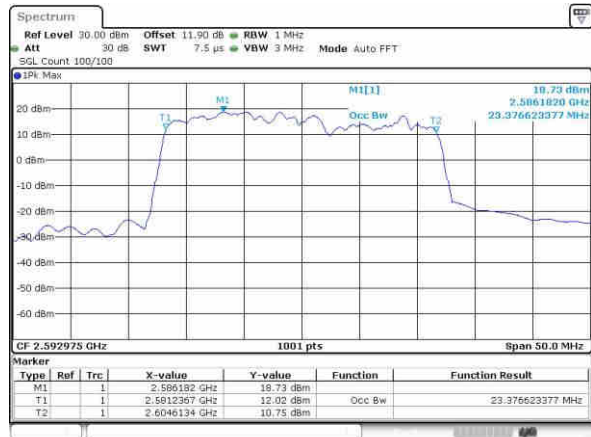
Date: 11 JUN 2019 14:54:54

Middle Channel / 10MHz+20MHz



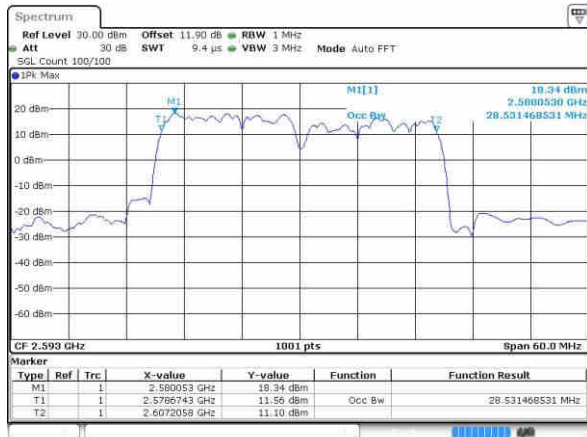
Date: 16 JUN 2019 17:14:19

Middle Channel / 15MHz+10MHz



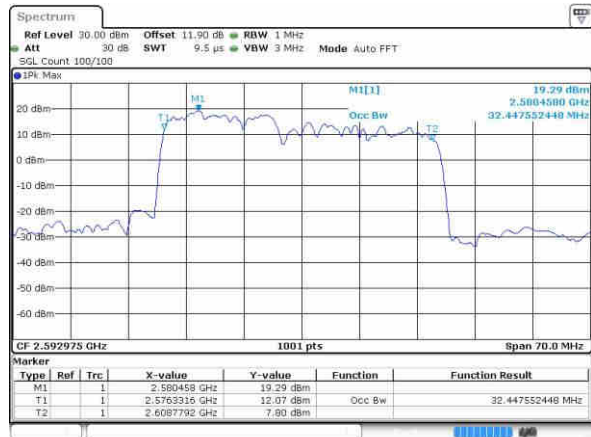
Date: 16 JUN 2019 19:27:50

Middle Channel / 15MHz+15MHz



Date: 17 JUN 2019 21:54:22

Middle Channel / 15MHz+20MHz



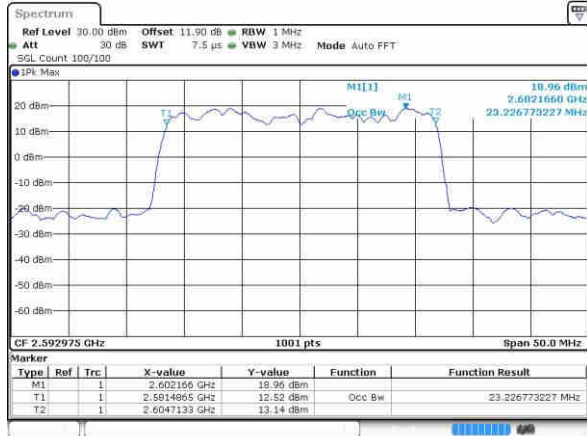
Date: 17 JUN 2019 23:35:18



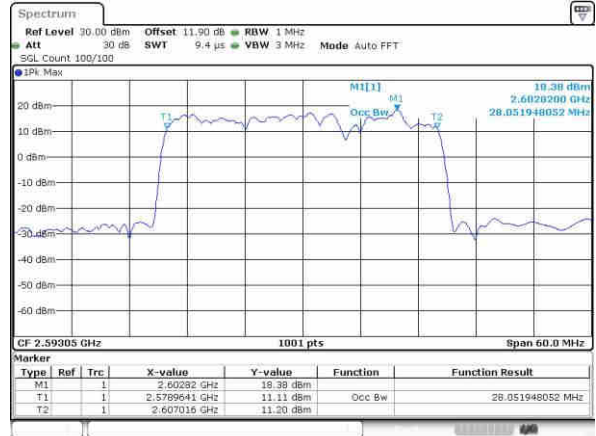
LTE Band 41

QPSK

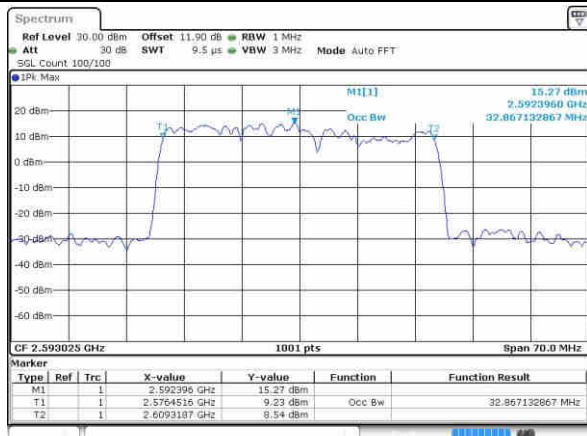
Middle Channel / 20MHz+5MHz



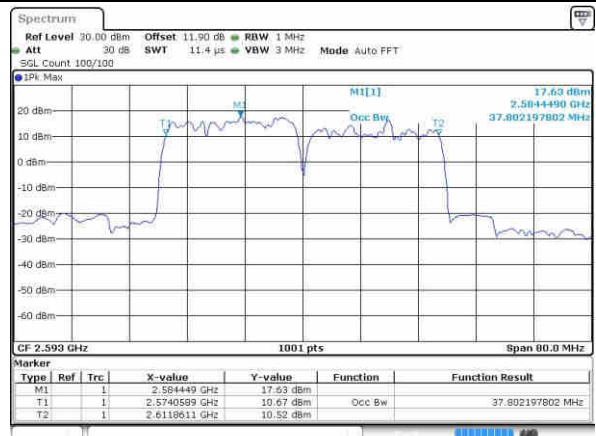
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

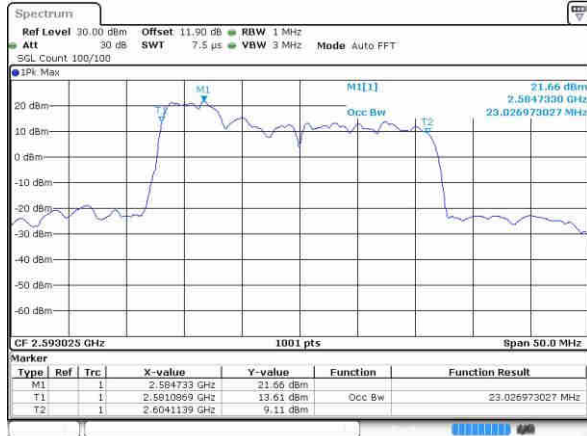




LTE Band 41

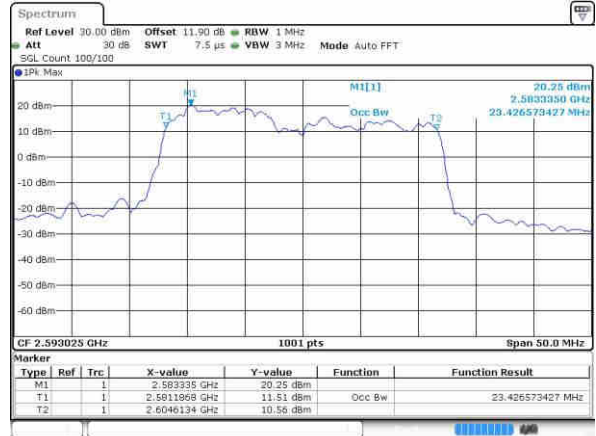
16QAM

Middle Channel / 5MHz+20MHz



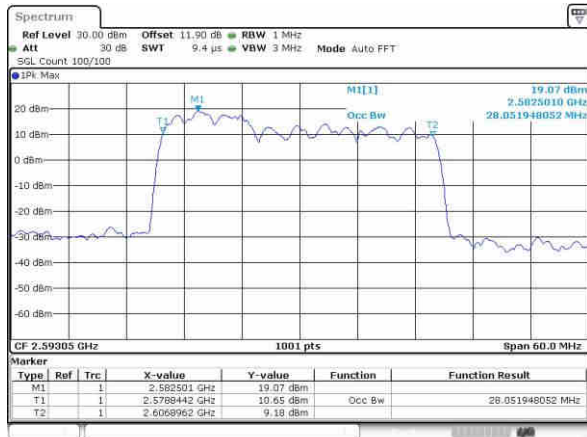
Date: 8 JUN 2019 08:17:28

Middle Channel / 10MHz+15MHz



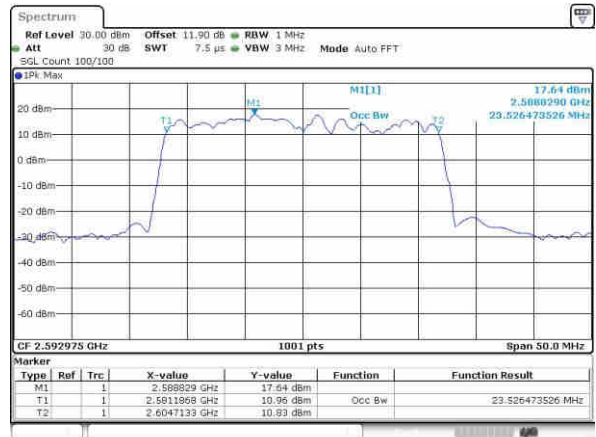
Date: 11 JUN 2019 14:55:18

Middle Channel / 10MHz+20MHz



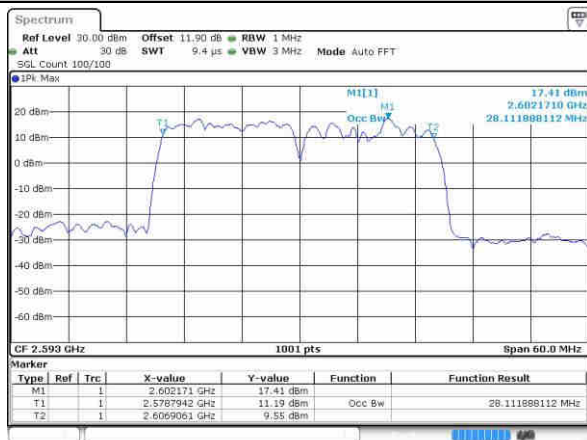
Date: 16 JUN 2019 17:15:04

Middle Channel / 15MHz+10MHz



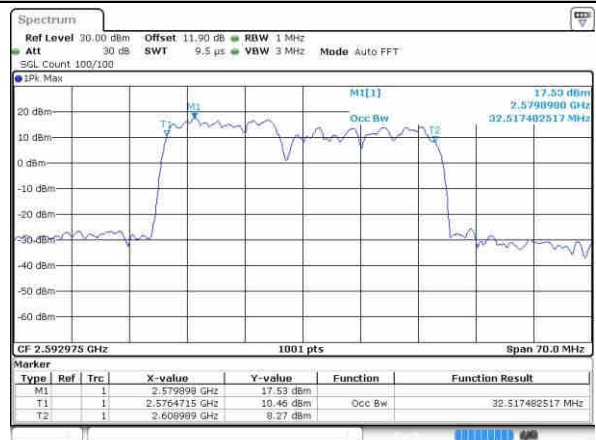
Date: 16 JUN 2019 19:38:39

Middle Channel / 15MHz+15MHz



Date: 17 JUN 2019 21:55:14

Middle Channel / 15MHz+20MHz



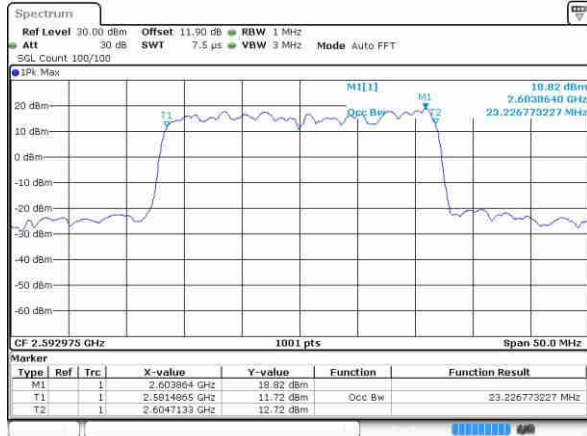
Date: 17 JUN 2019 23:36:09



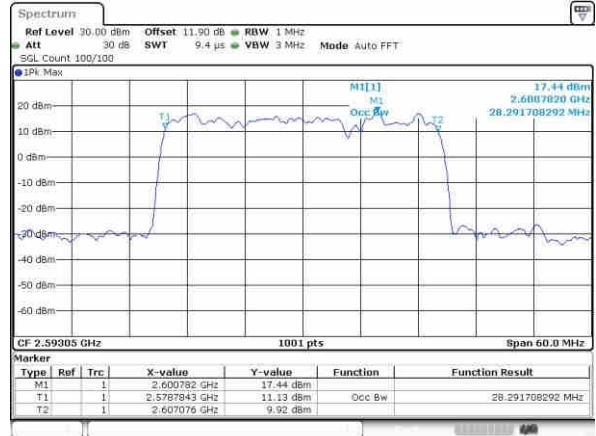
LTE Band 41

16QAM

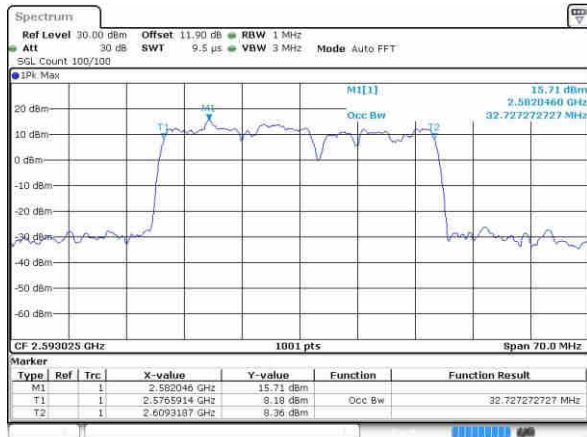
Middle Channel / 20MHz+5MHz



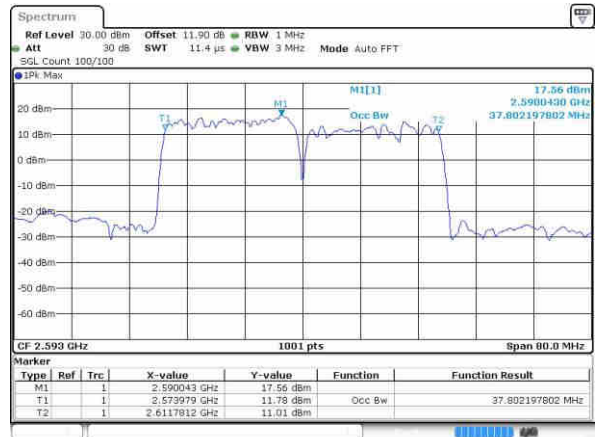
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

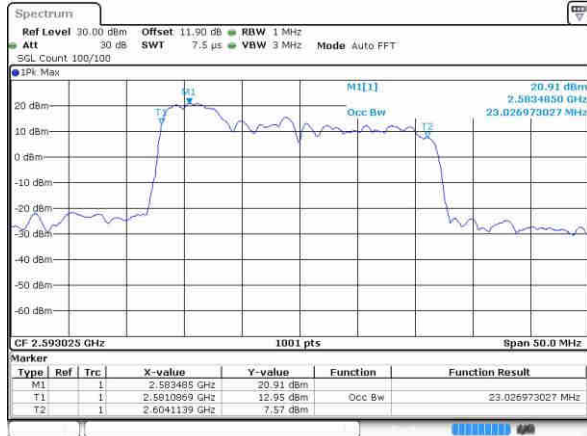




LTE Band 41

64QAM

Middle Channel / 5MHz+20MHz



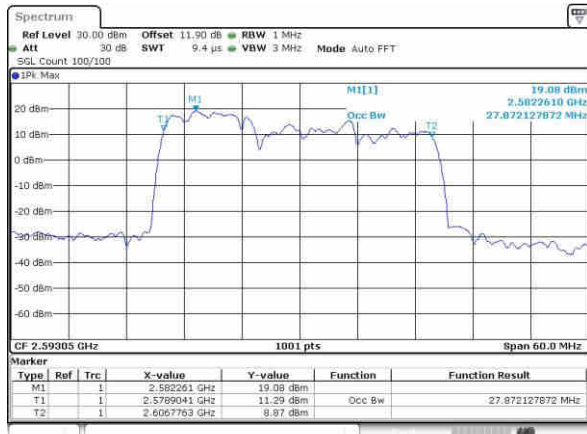
Date: 8 JUN 2019 08:18:18

Middle Channel / 10MHz+15MHz



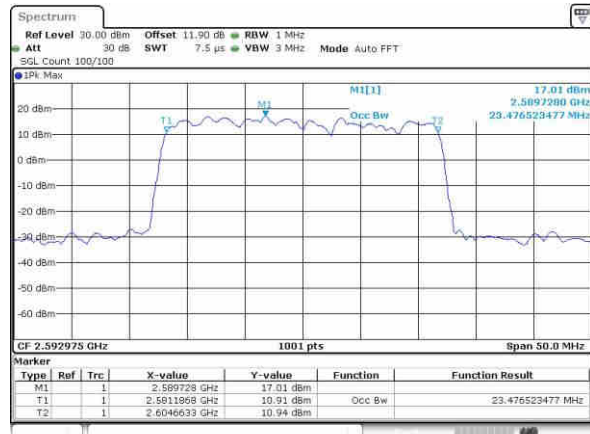
Date: 11 JUN 2019 14:52:22

Middle Channel / 10MHz+20MHz



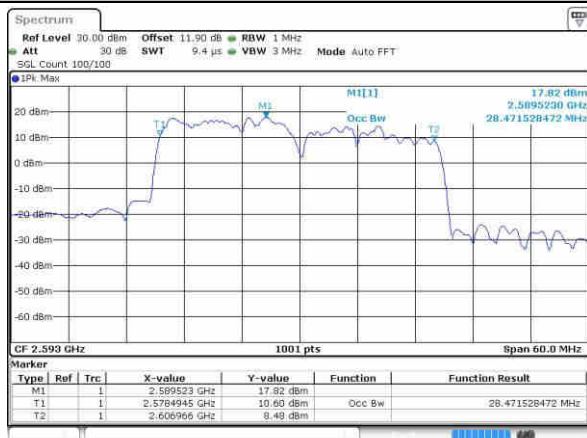
Date: 16 JUN 2019 17:15:52

Middle Channel / 15MHz+10MHz



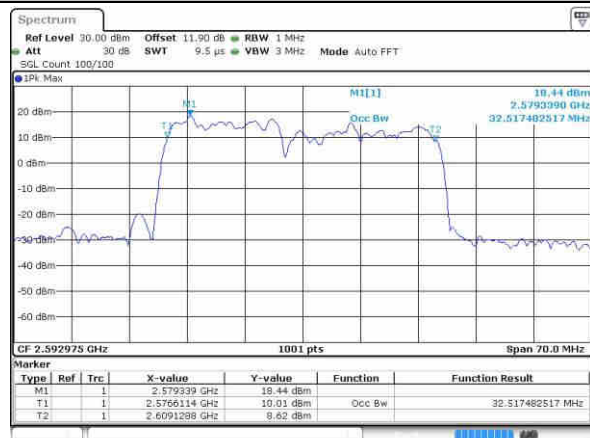
Date: 16 JUN 2019 19:39:28

Middle Channel / 15MHz+15MHz



Date: 17 JUN 2019 21:58:05

Middle Channel / 15MHz+20MHz



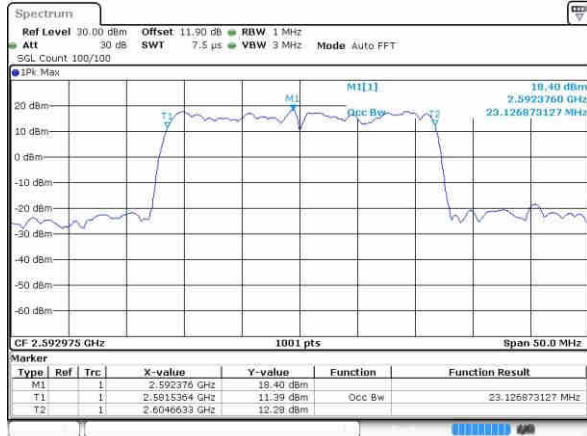
Date: 17 JUN 2019 23:37:01



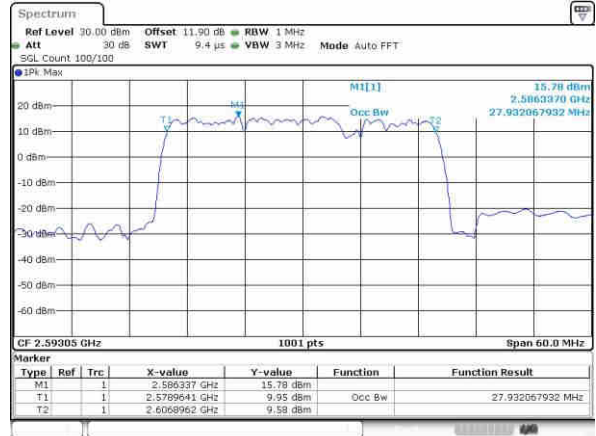
LTE Band 41

64QAM

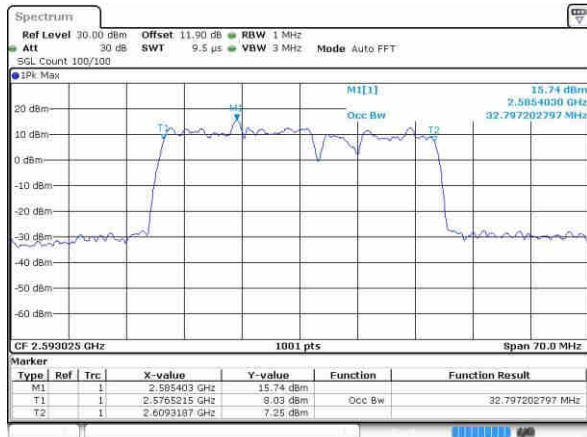
Middle Channel / 20MHz+5MHz



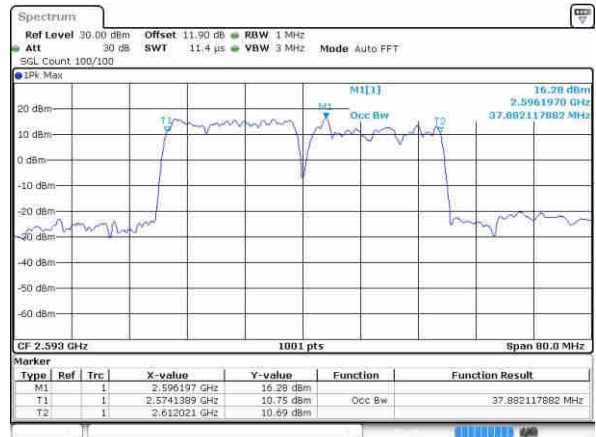
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



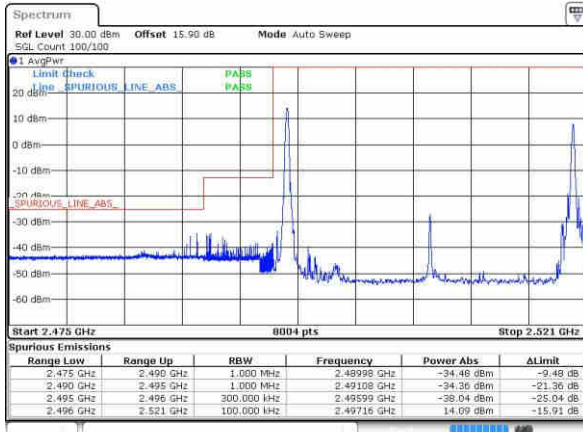


Conducted Band Edge

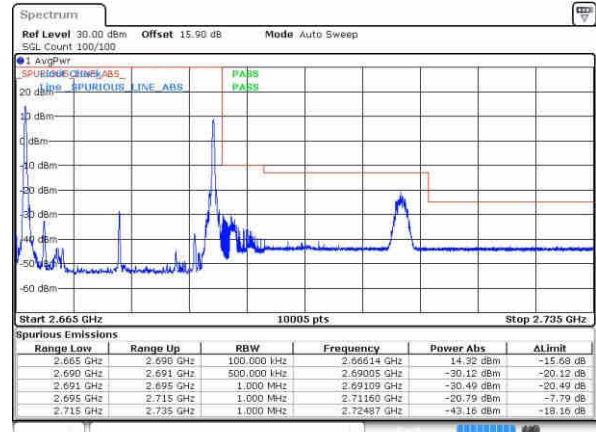
LTE Band 41 / 5MHz+20MHz

QPSK

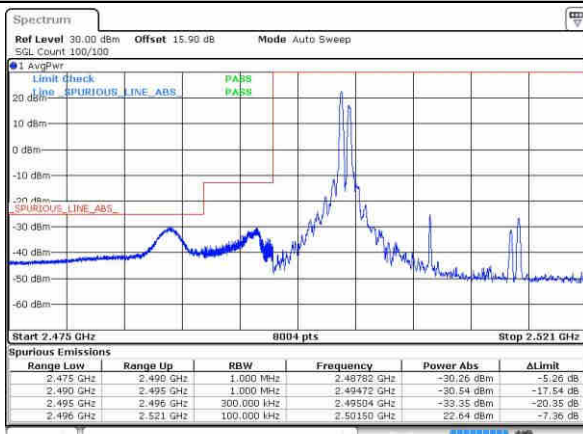
Lowest Band Edge / 1RB0 and 1RB99



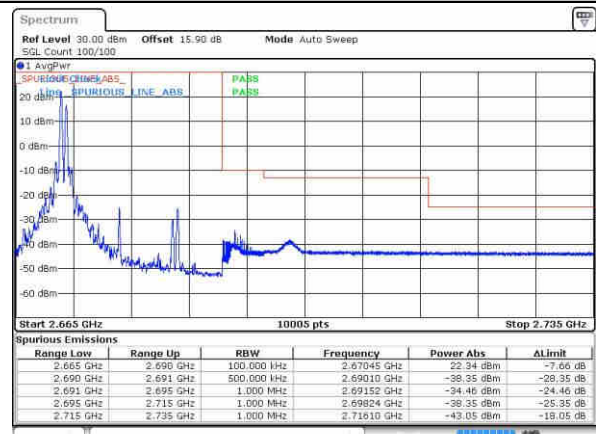
Highest Band Edge / 1RB0 and 1RB99



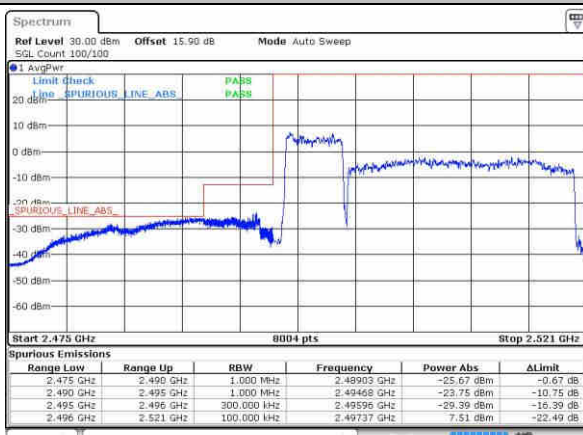
Lowest Band Edge / 1RB24 and 1RB0



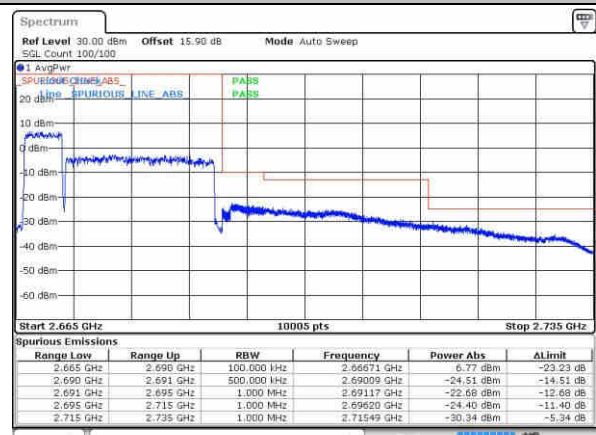
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

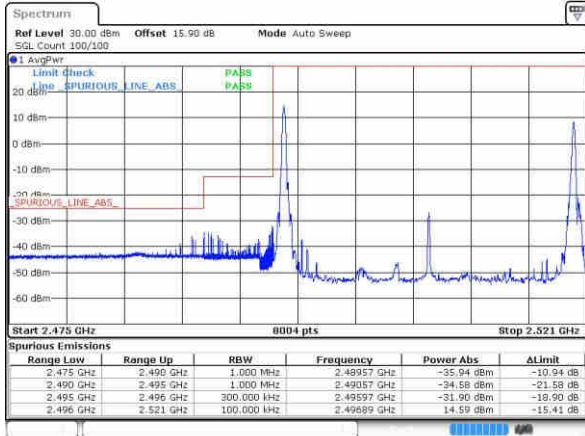




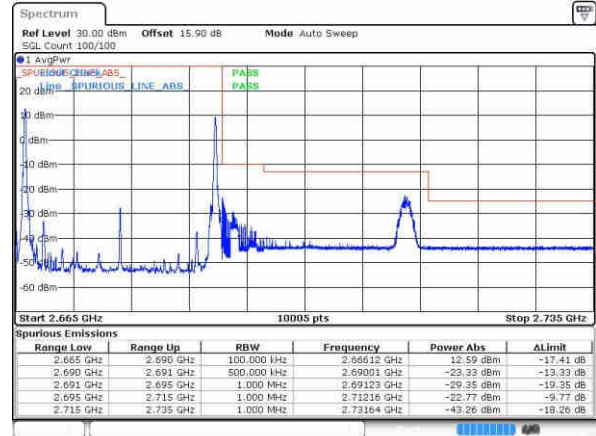
LTE Band 41 / 10MHz+15MHz

QPSK

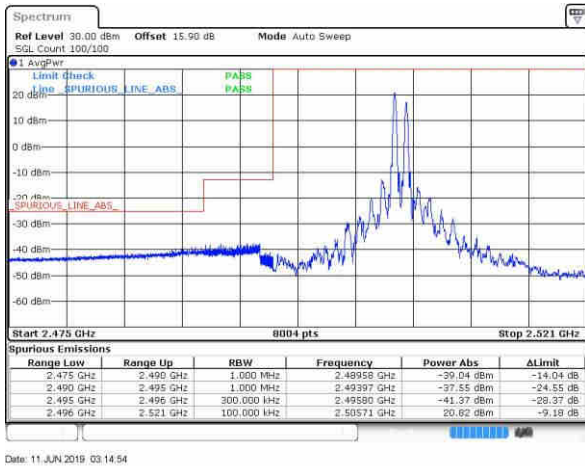
Lowest Band Edge / 1RB0 and 1RB74



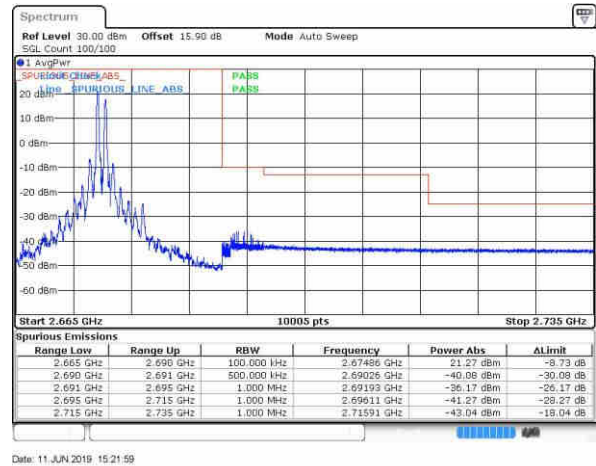
Highest Band Edge / 1RB0 and 1RB74



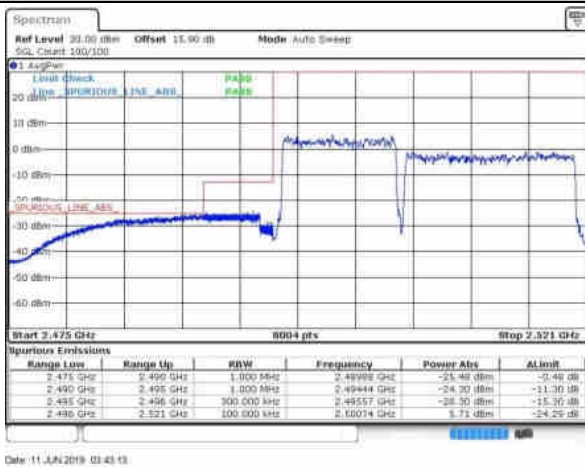
Lowest Band Edge / 1RB49 and 1RB0



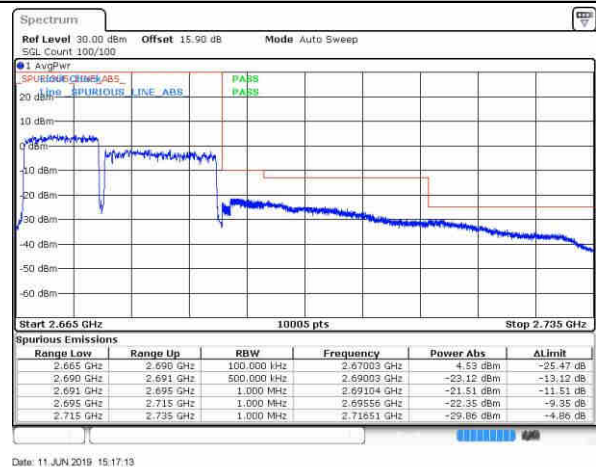
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

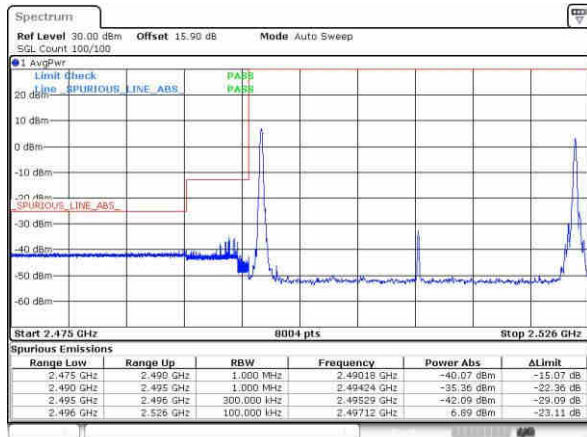




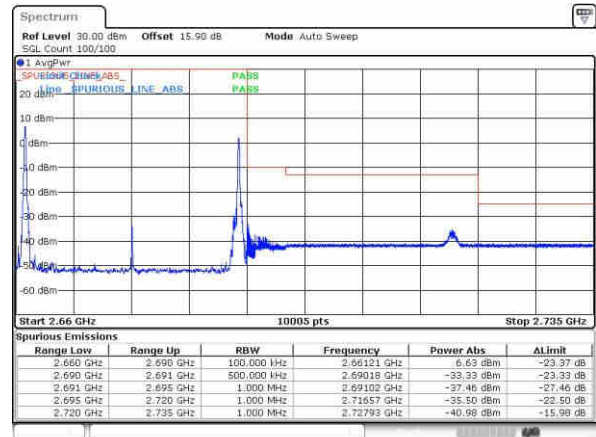
LTE Band 41 / 10MHz+20MHz

QPSK

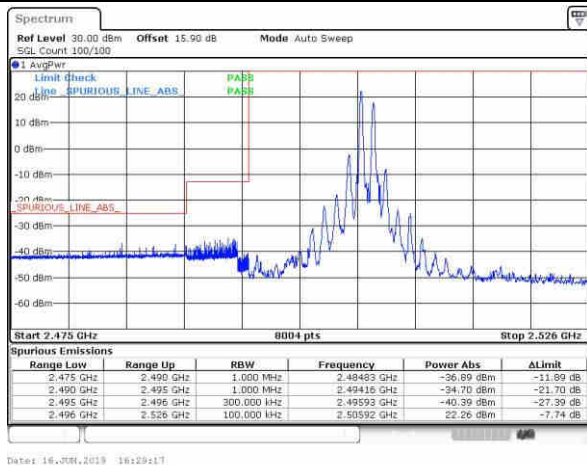
Lowest Band Edge / 1RB0 and 1RB99



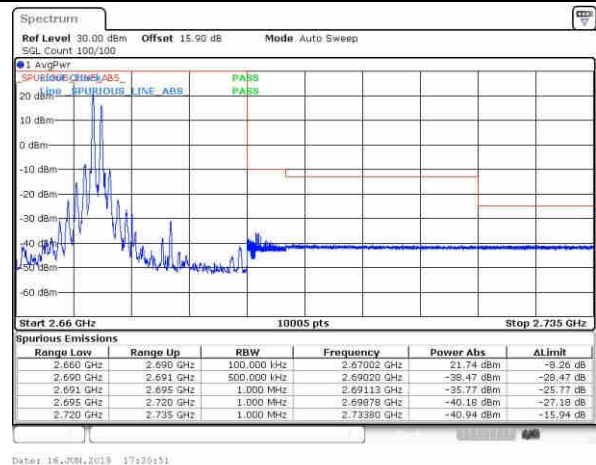
Highest Band Edge / 1RB0 and 1RB99



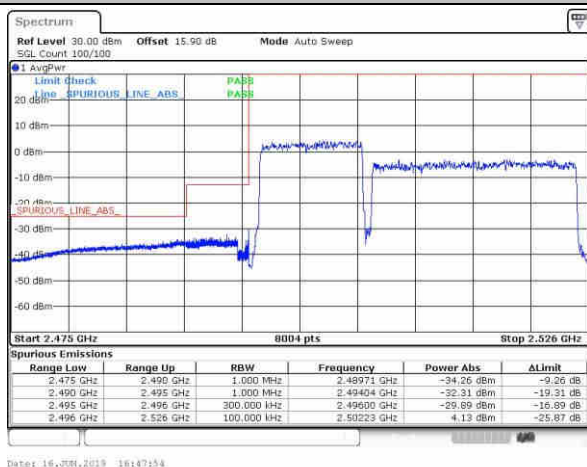
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

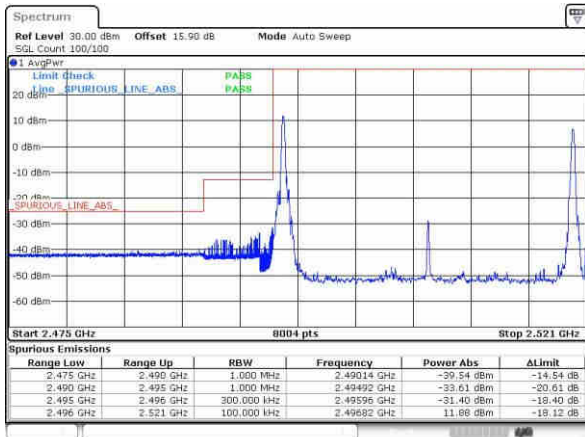




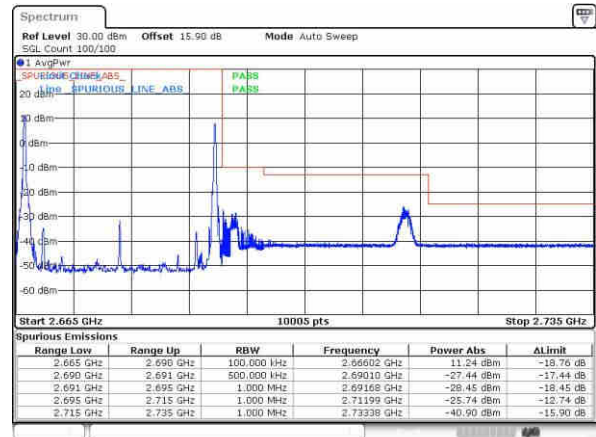
LTE Band 41 / 15MHz+10MHz

QPSK

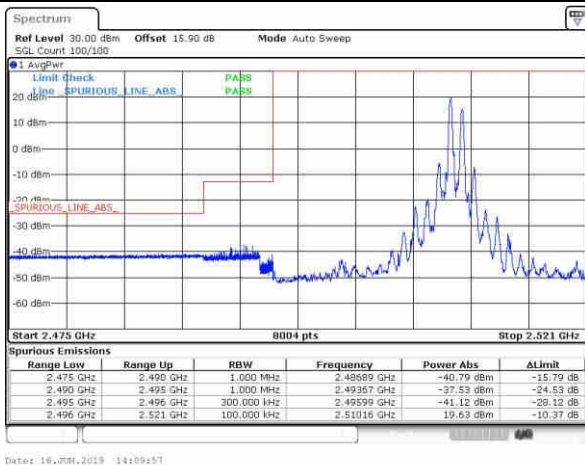
Lowest Band Edge / 1RB0 and 1RB49



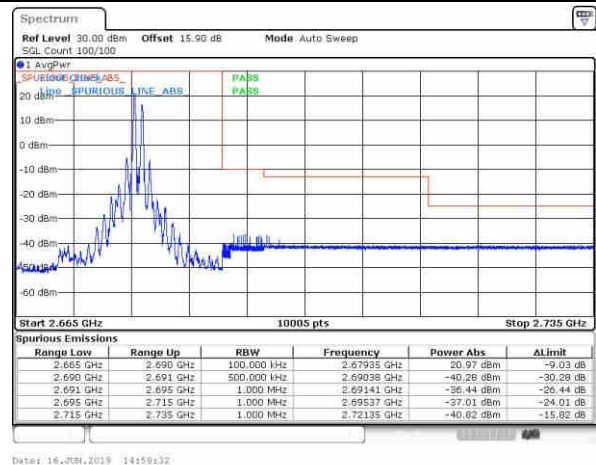
Highest Band Edge / 1RB0 and 1RB49



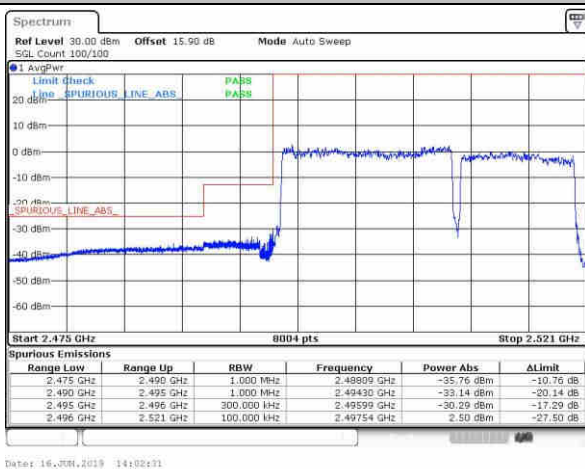
Lowest Band Edge / 1RB74 and 1RB0



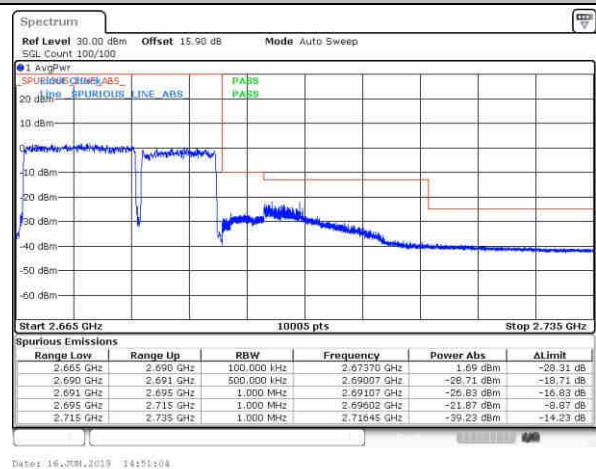
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

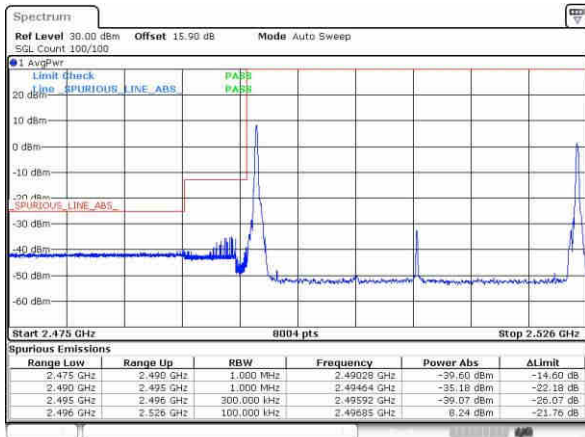




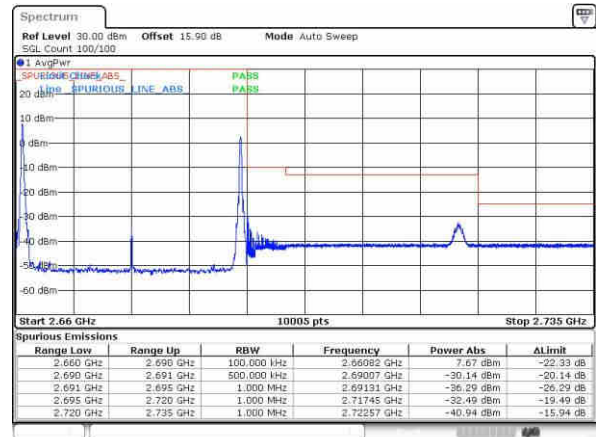
LTE Band 41 / 15MHz+15MHz

QPSK

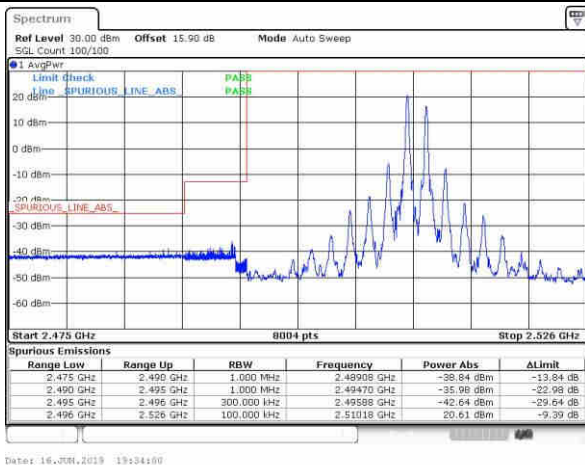
Lowest Band Edge / 1RB0 and 1RB74



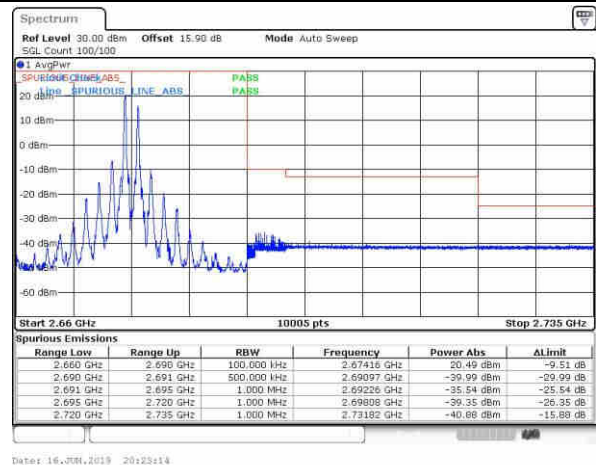
Highest Band Edge / 1RB0 and 1RB74



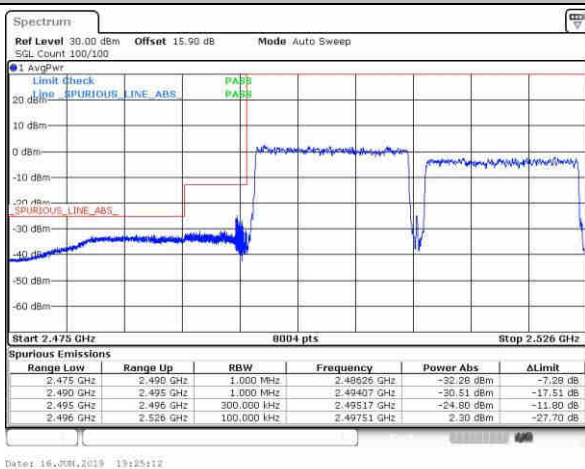
Lowest Band Edge / 1RB74 and 1RB0



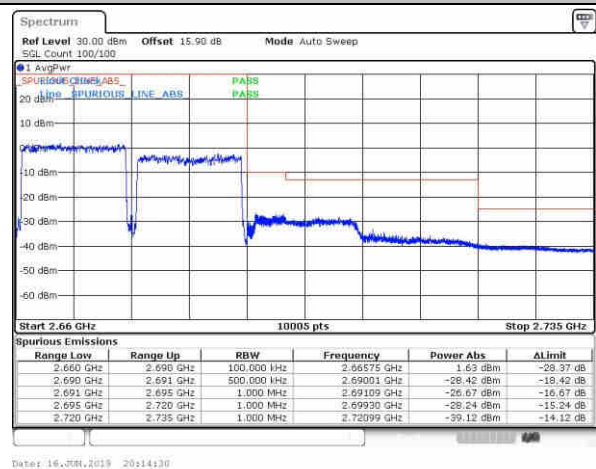
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

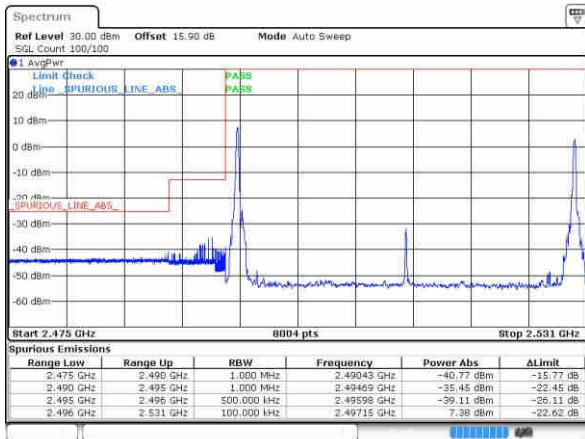




LTE Band 41 / 15MHz+20MHz

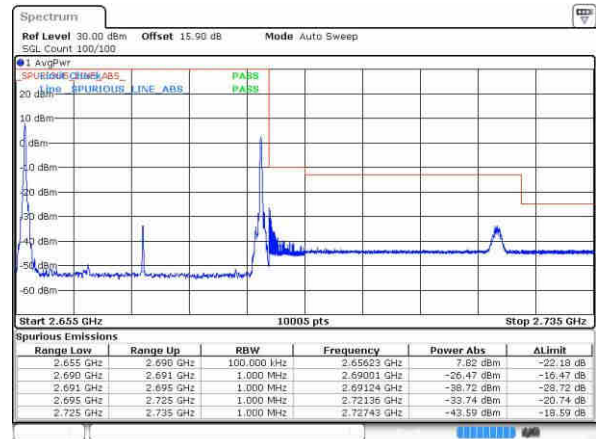
QPSK

Lowest Band Edge / 1RB0 and 1RB99



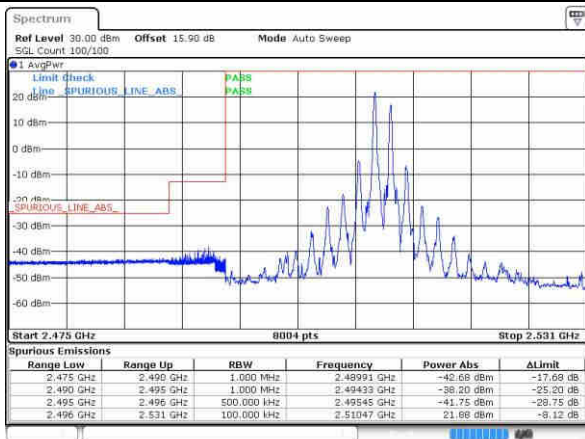
Date: 17 JUN 2019 22:26:52

Highest Band Edge / 1RB0 and 1RB99



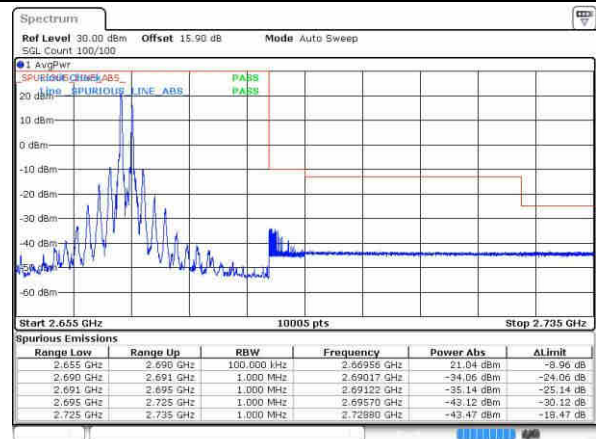
Date: 17 JUN 2019 23:06:18

Lowest Band Edge / 1RB74 and 1RB0



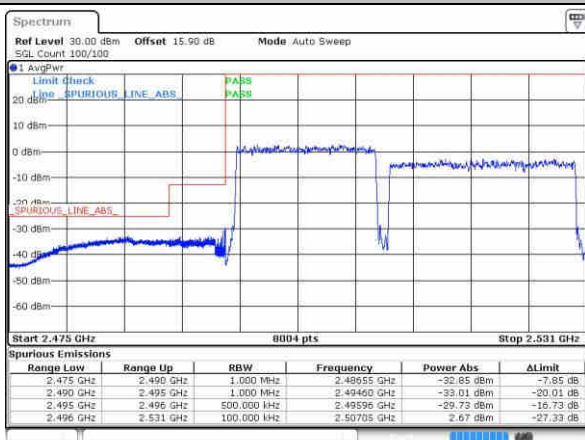
Date: 17 JUN 2019 22:28:03

Highest Band Edge / 1RB74 and 1RB0



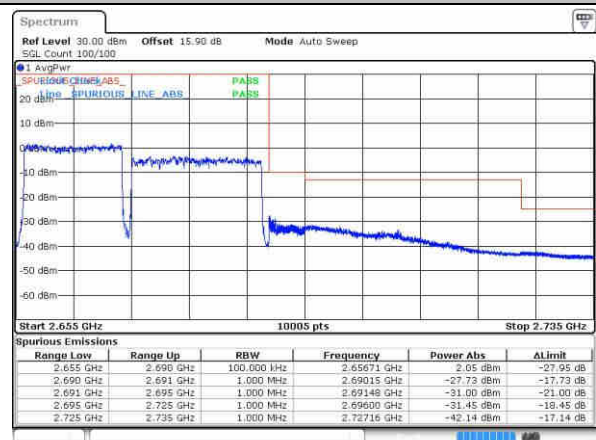
Date: 17 JUN 2019 23:14:12

Lowest Band Edge / Full RB



Date: 17 JUN 2019 23:29:09

Highest Band Edge / Full RB



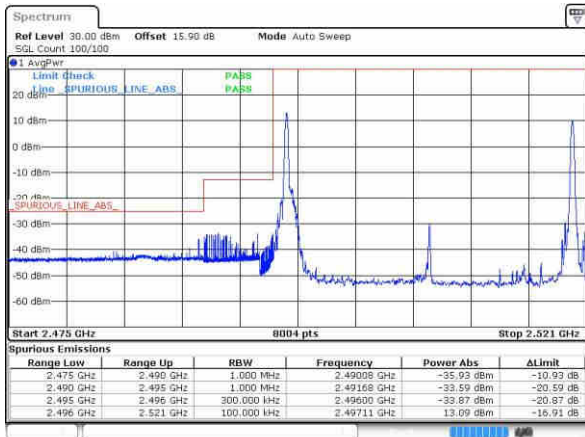
Date: 17 JUN 2019 23:07:04



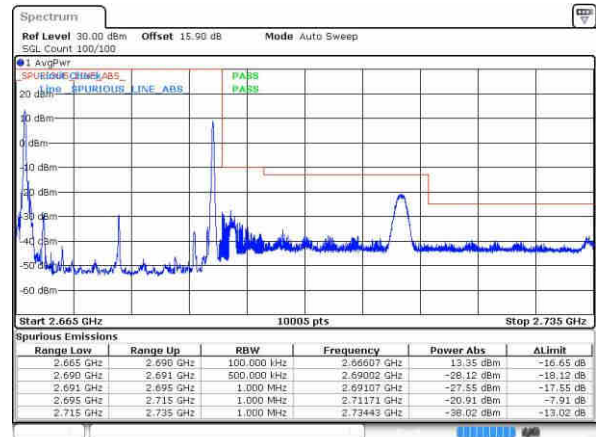
LTE Band 41 / 20MHz+5MHz

QPSK

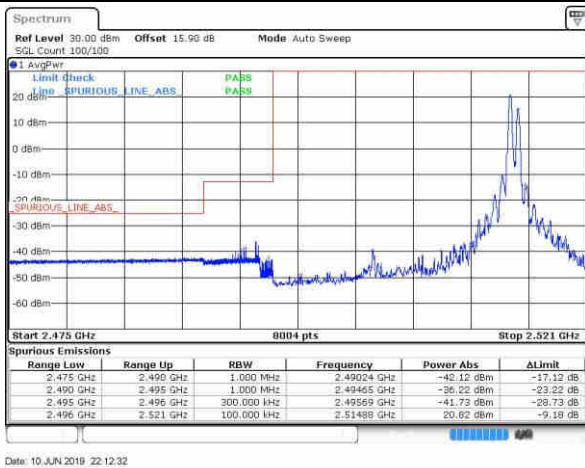
Lowest Band Edge / 1RB0 and 1RB24



Highest Band Edge / 1RB0 and 1RB24



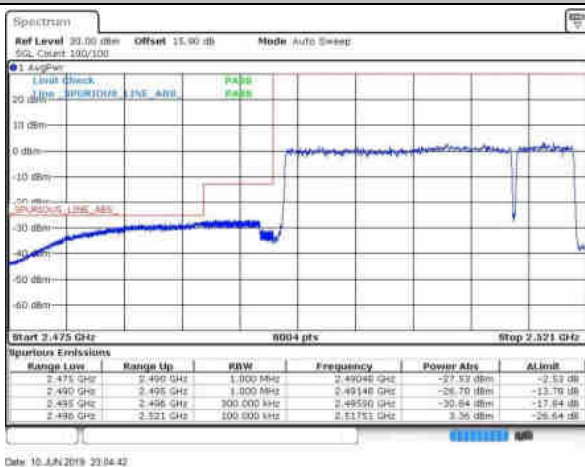
Lowest Band Edge / 1RB99 and 1RB0



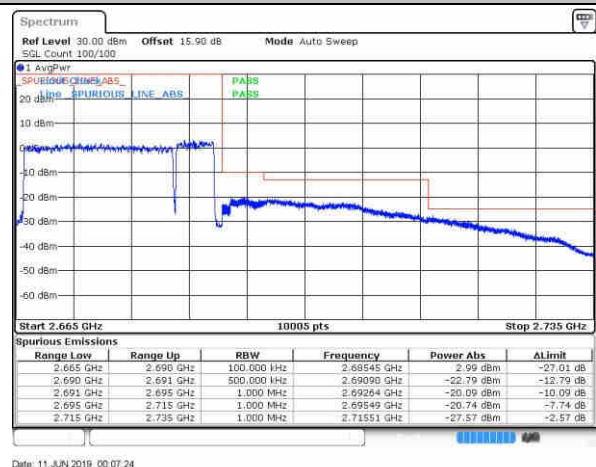
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

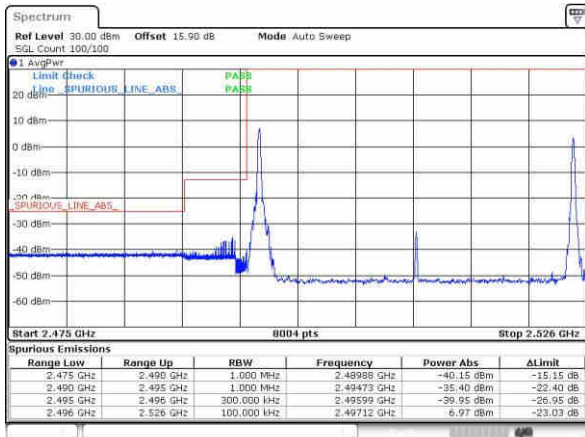




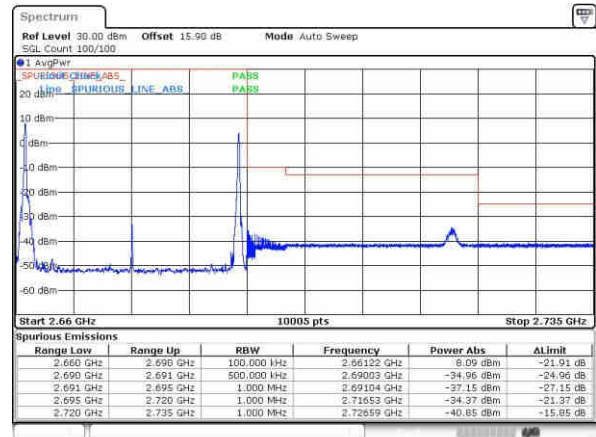
LTE Band 41 / 20MHz+10MHz

QPSK

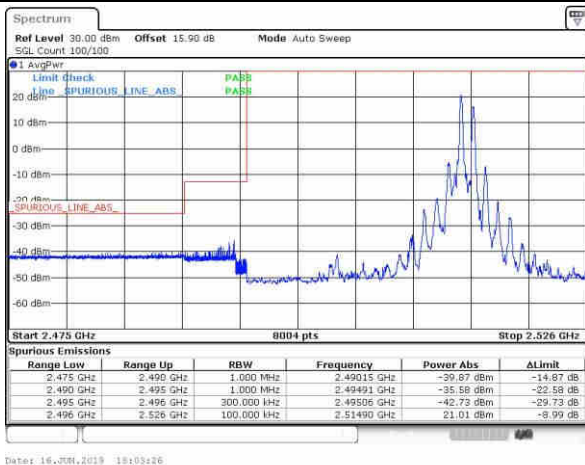
Lowest Band Edge / 1RB0 and 1RB49



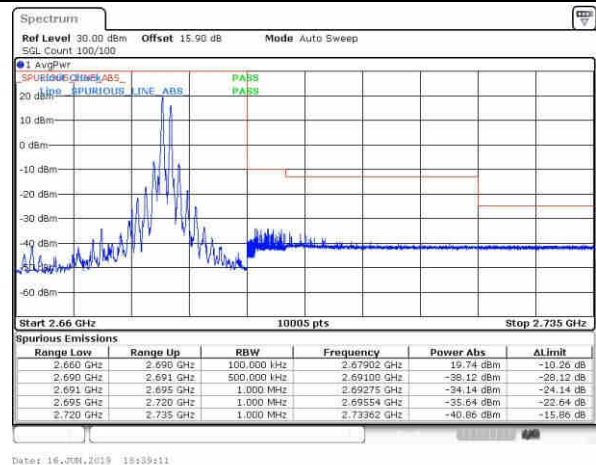
Highest Band Edge / 1RB0 and 1RB49



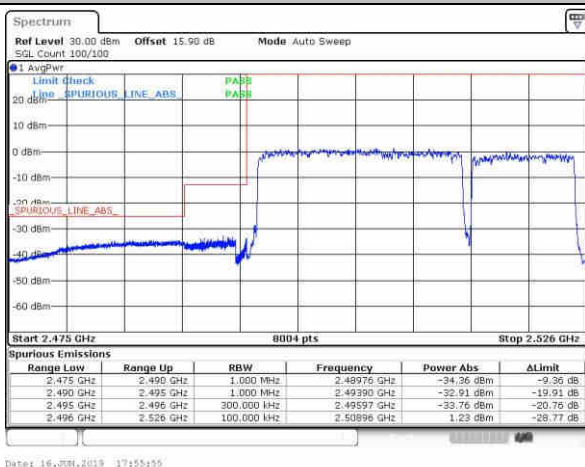
Lowest Band Edge / 1RB99 and 1RB0



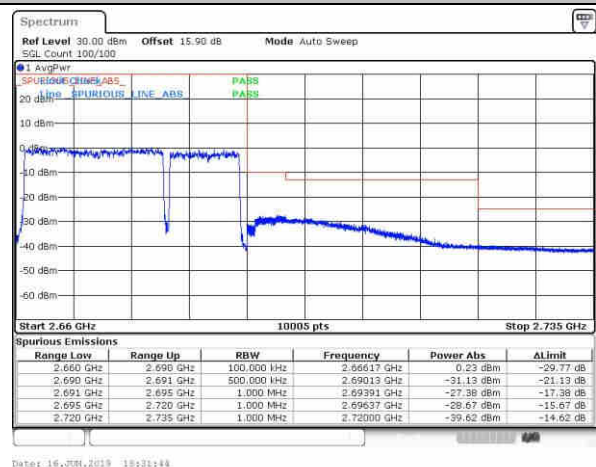
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

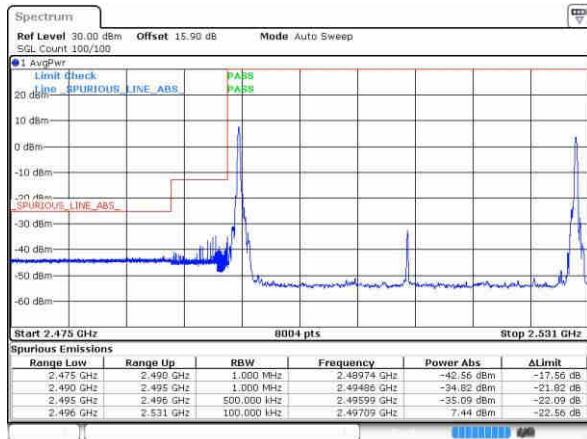




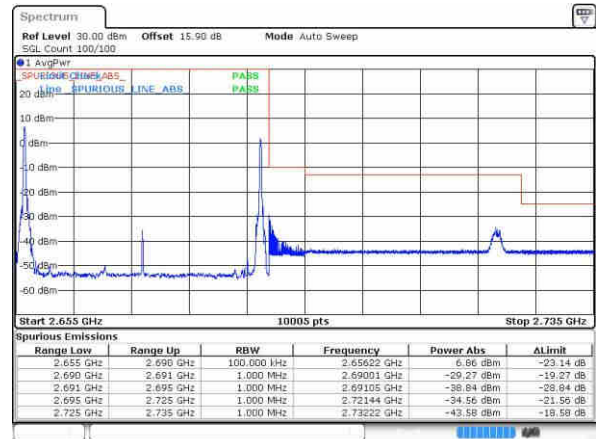
LTE Band 41 / 20MHz+15MHz

QPSK

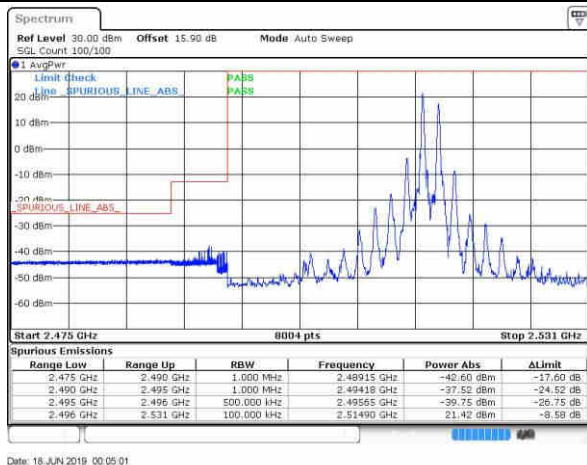
Lowest Band Edge / 1RB0 and 1RB74



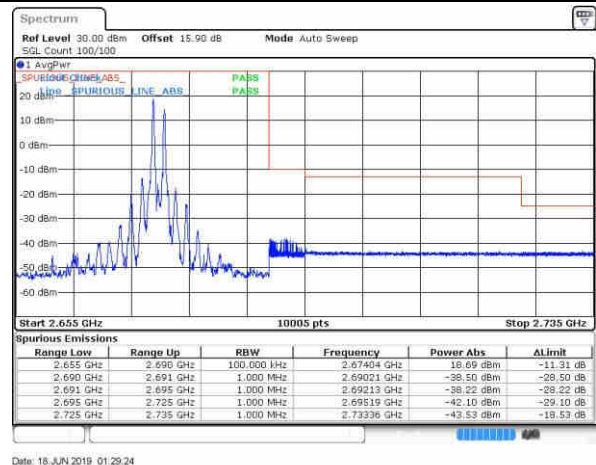
Highest Band Edge / 1RB0 and 1RB74



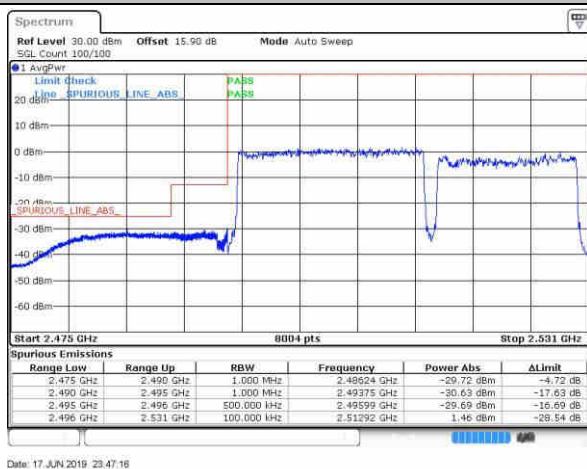
Lowest Band Edge / 1RB99 and 1RB0



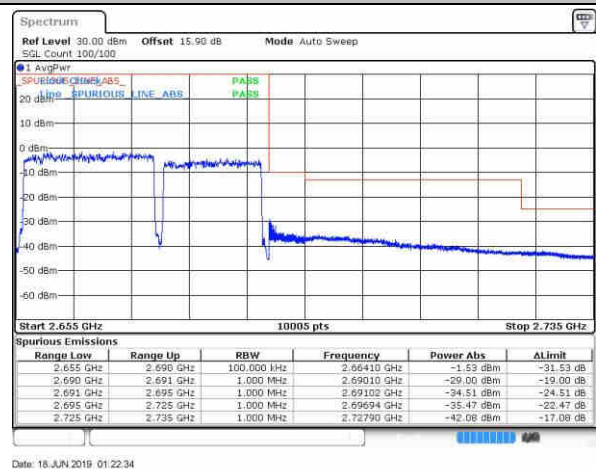
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

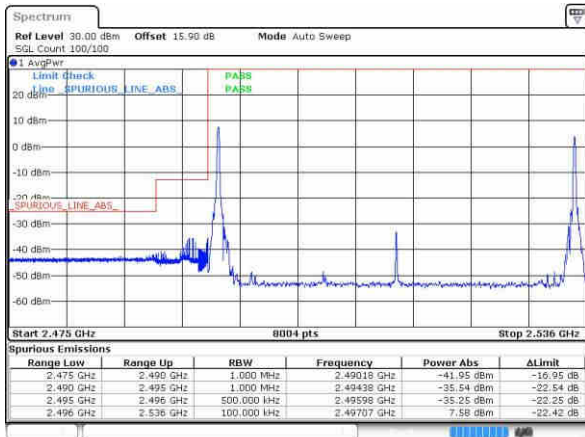




LTE Band 41 / 20MHz+20MHz

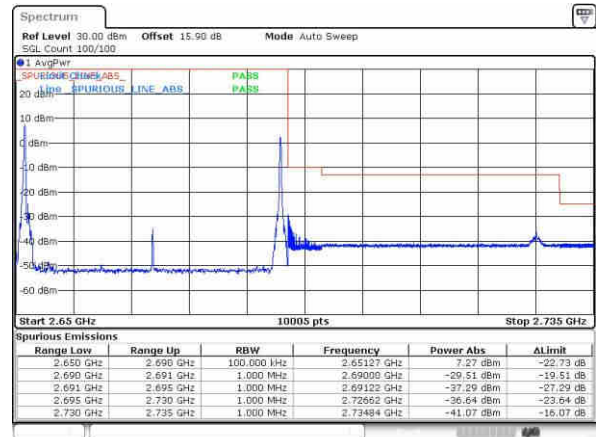
QPSK

Lowest Band Edge / 1RB0 and 1RB99



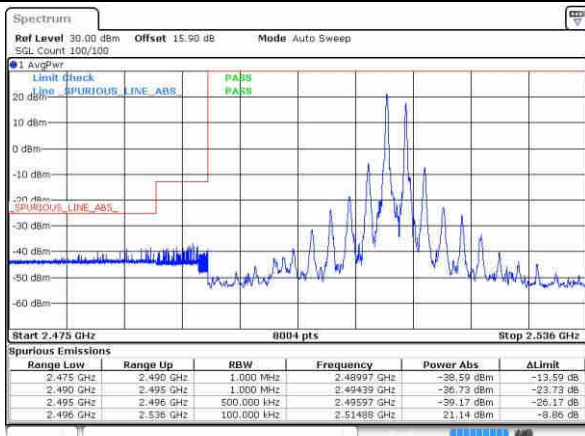
Date: 11 JUN 2019 16:12:52

Highest Band Edge / 1RB0 and 1RB99



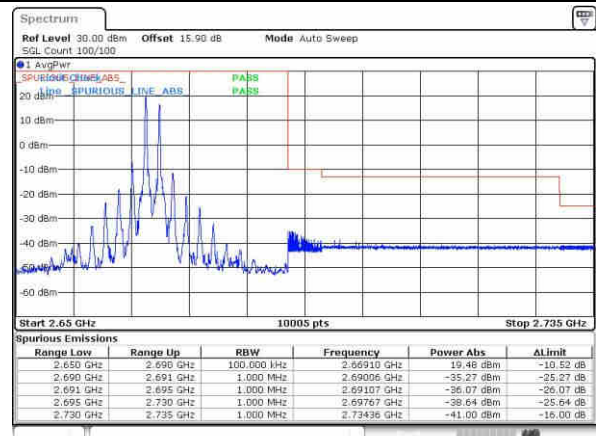
Date: 16 JUN 2019 15:14:50

Lowest Band Edge / 1RB99 and 1RB0



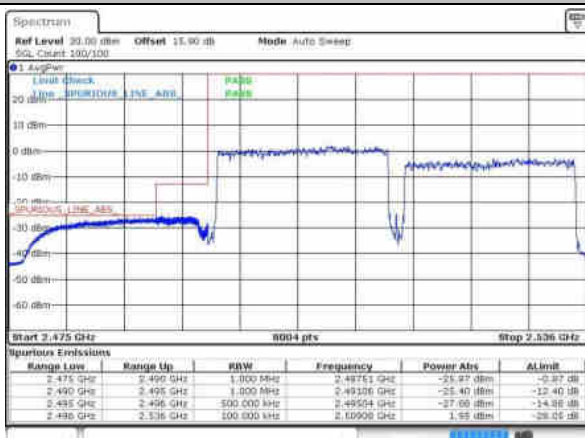
Date: 11 JUN 2019 16:13:40

Highest Band Edge / 1RB99 and 1RB0



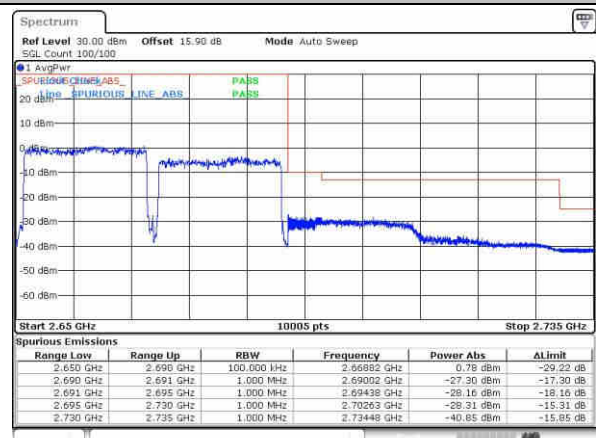
Date: 16 JUN 2019 15:55:32

Lowest Band Edge / Full RB



Date: 11 JUN 2019 16:26:08

Highest Band Edge / Full RB



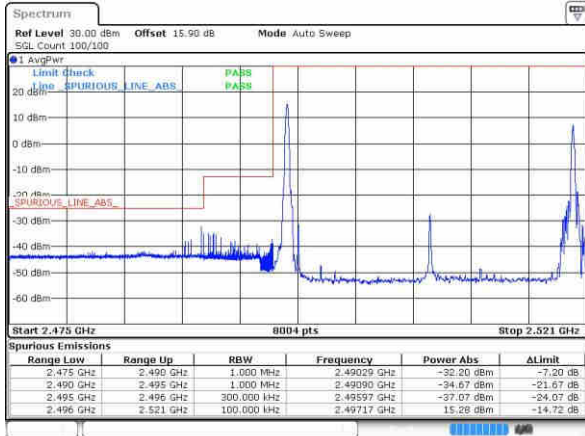
Date: 16 JUN 2019 15:48:06



LTE Band 41 / 5MHz+20MHz

16QAM

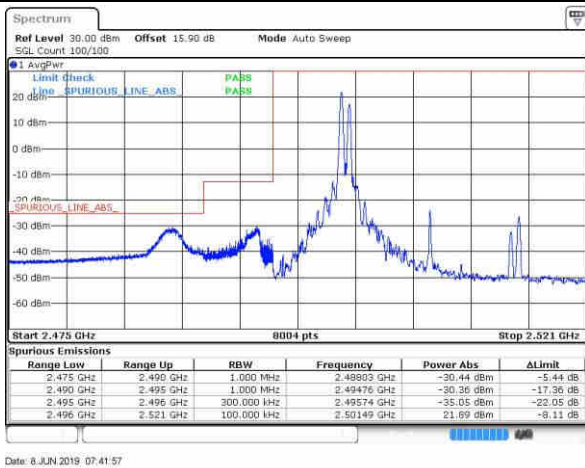
Lowest Band Edge / 1RB0 and 1RB99



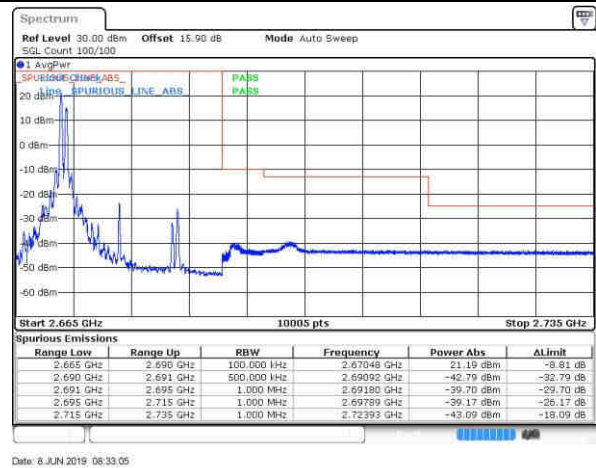
Highest Band Edge / 1RB0 and 1RB99



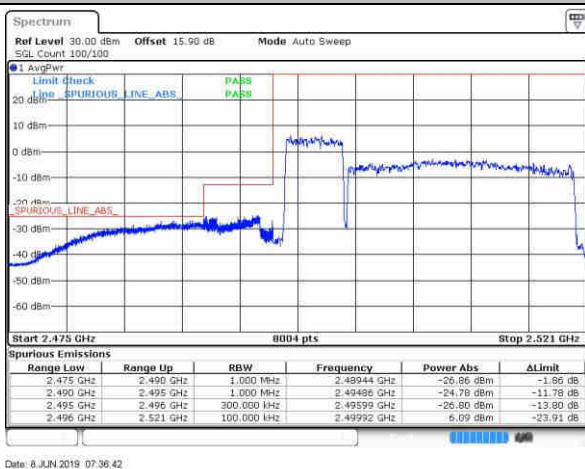
Lowest Band Edge / 1RB24 and 1RB0



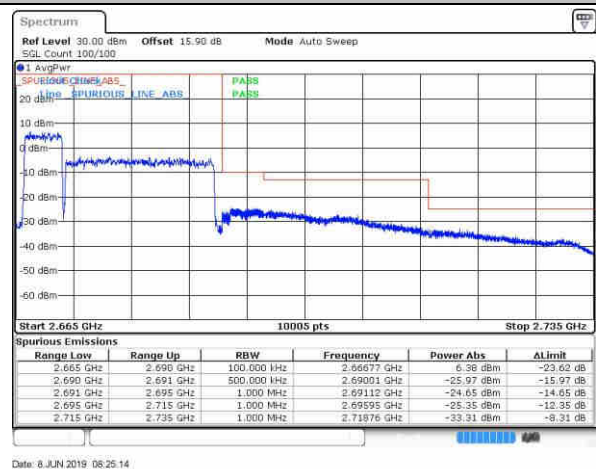
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

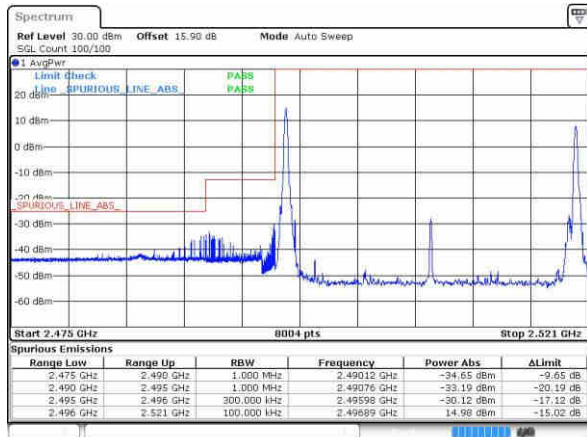




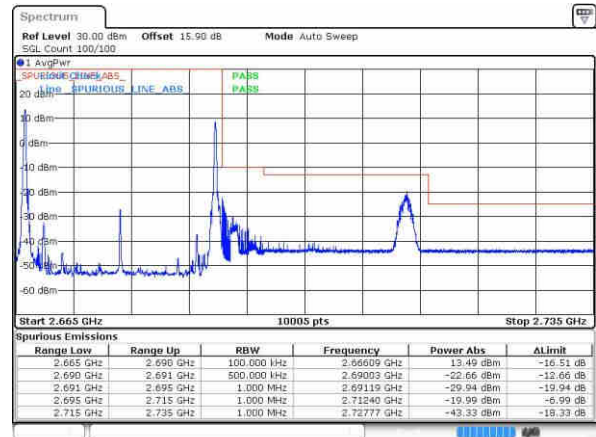
LTE Band 41 / 10MHz+15MHz

16QAM

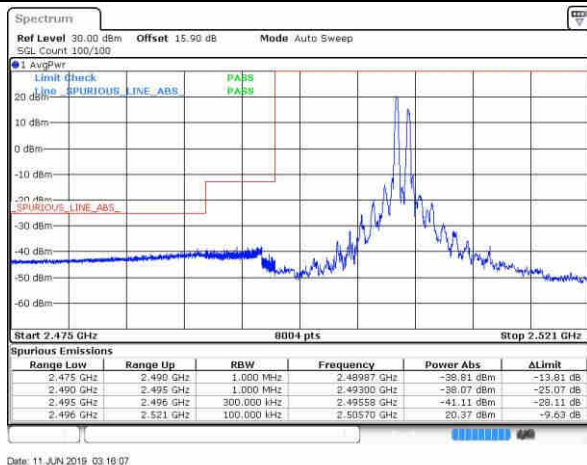
Lowest Band Edge / 1RB0 and 1RB74



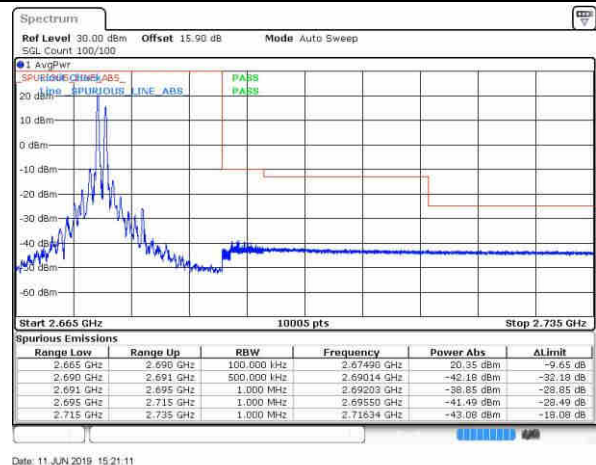
Highest Band Edge / 1RB0 and 1RB74



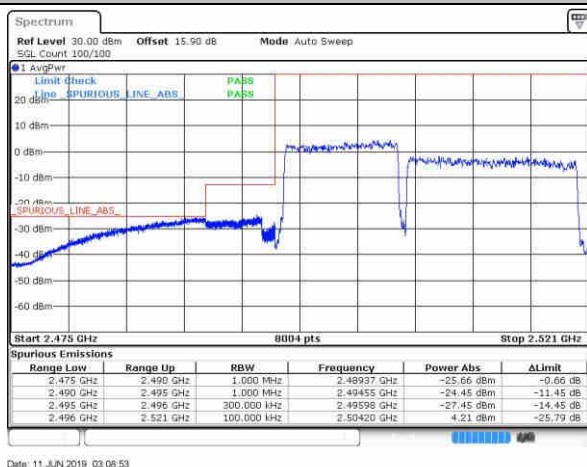
Lowest Band Edge / 1RB49 and 1RB0



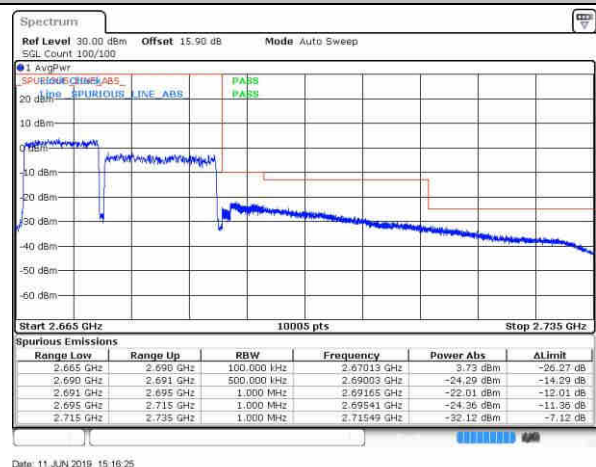
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

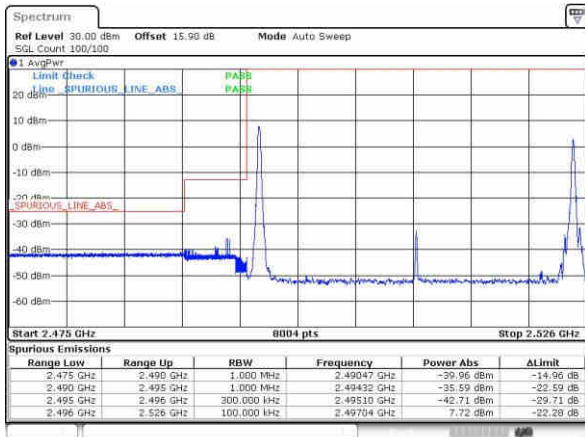




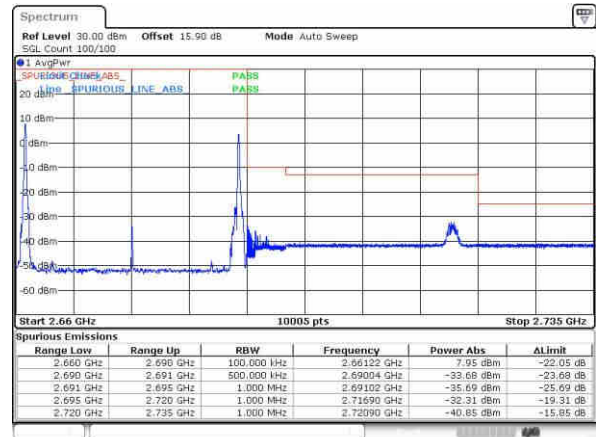
LTE Band 41 / 10MHz+20MHz

16QAM

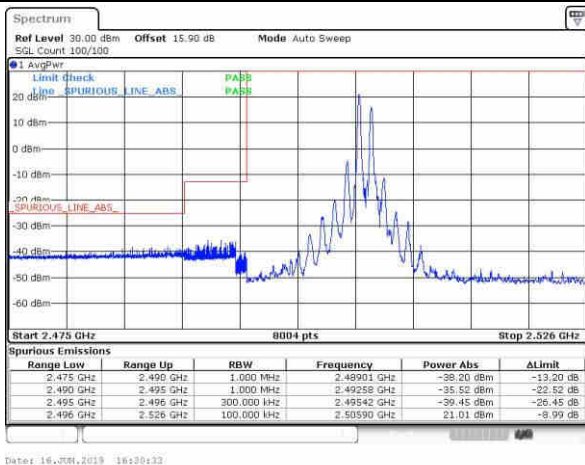
Lowest Band Edge / 1RB0 and 1RB99



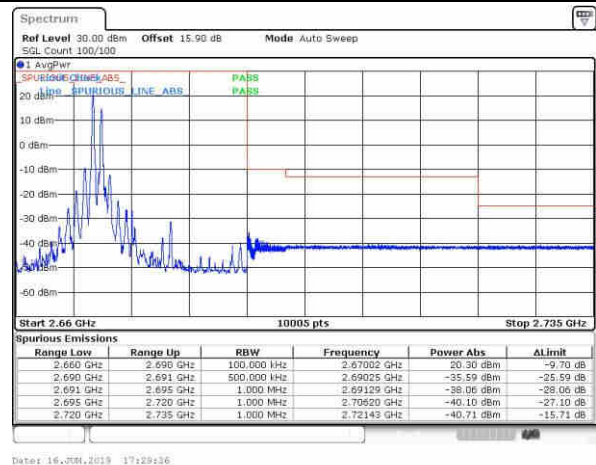
Highest Band Edge / 1RB0 and 1RB99



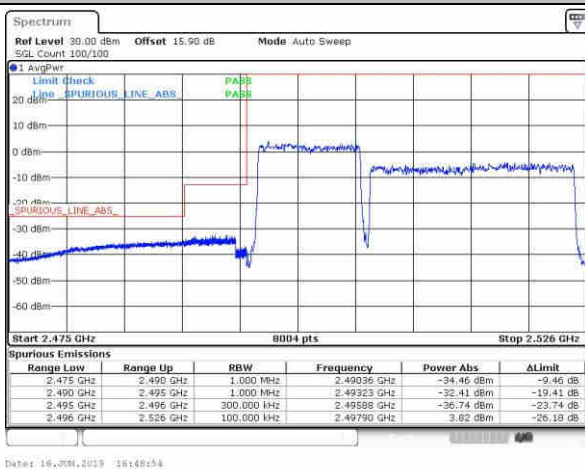
Lowest Band Edge / 1RB49 and 1RB0



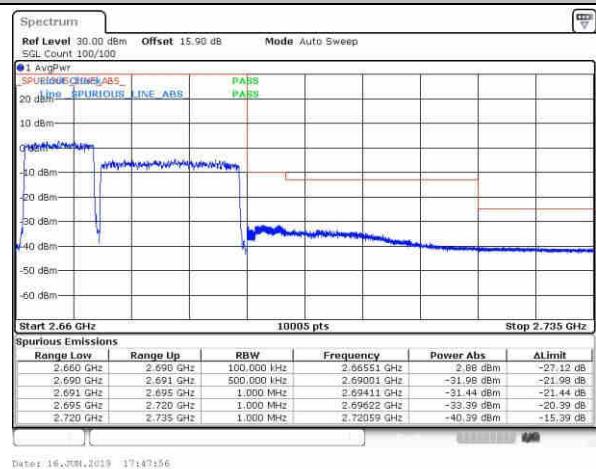
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

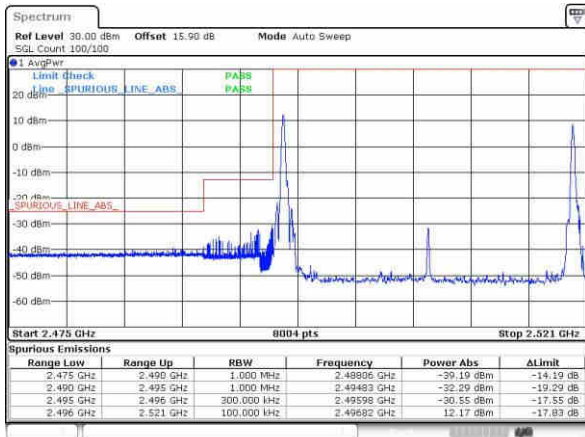




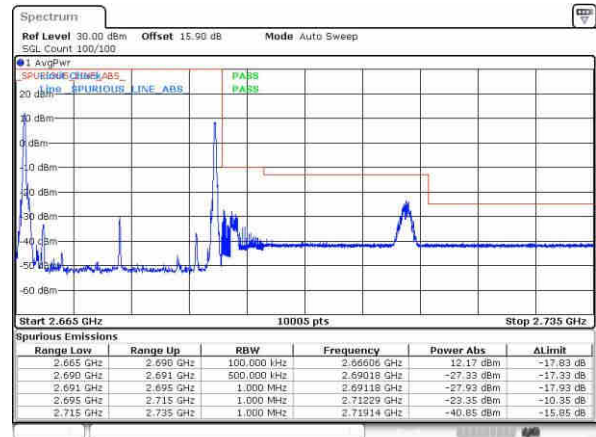
LTE Band 41 / 15MHz+10MHz

16QAM

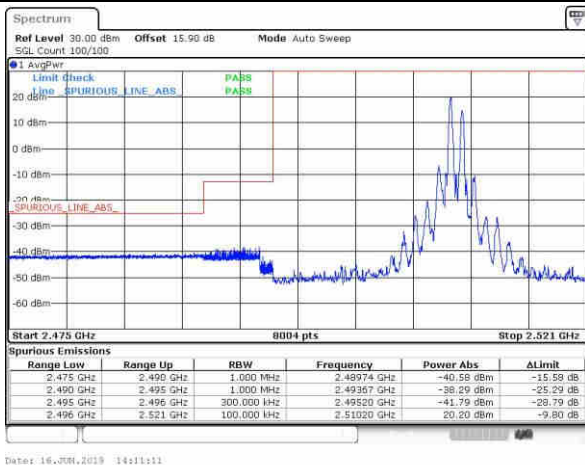
Lowest Band Edge / 1RB0 and 1RB49



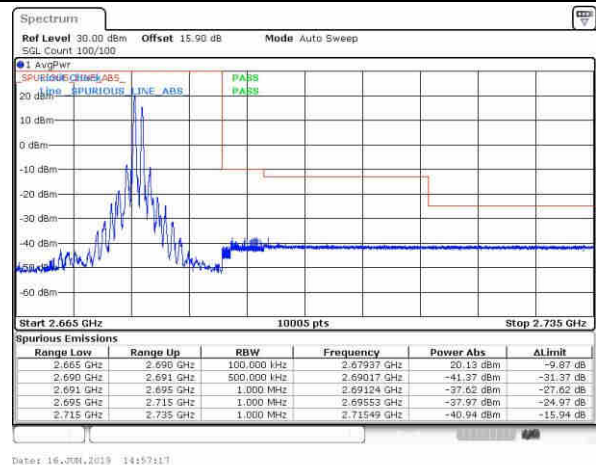
Highest Band Edge / 1RB0 and 1RB49



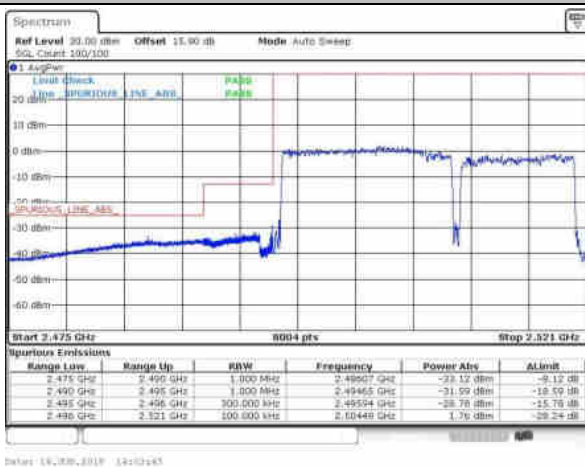
Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

