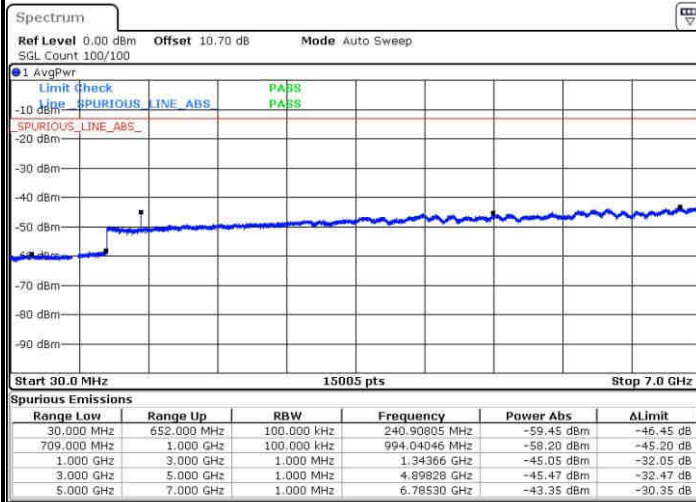




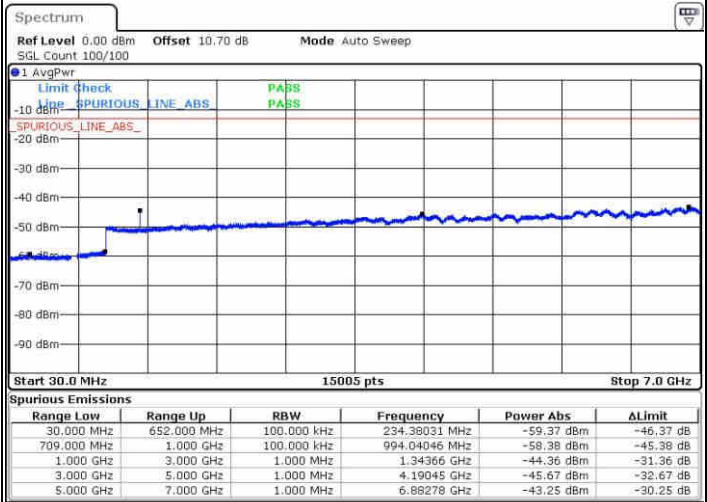
LTE Band 71 / 20MHz

Middle Channel / QPSK



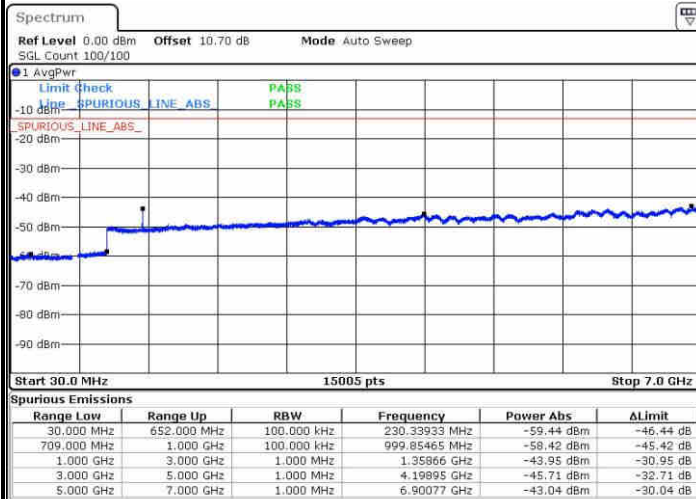
Date: 7.MAY.2019 10:24:59

Middle Channel / 16QAM



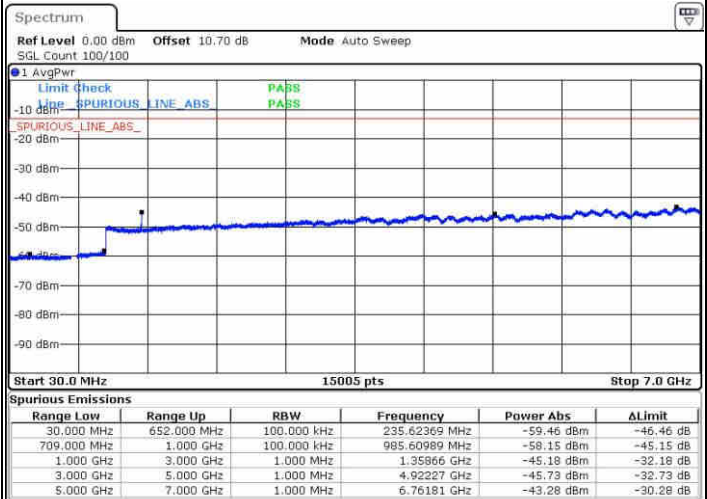
Date: 7.MAY.2019 10:25:43

Highest Channel / QPSK



Date: 7.MAY.2019 10:30:21

Highest Channel / 16QAM

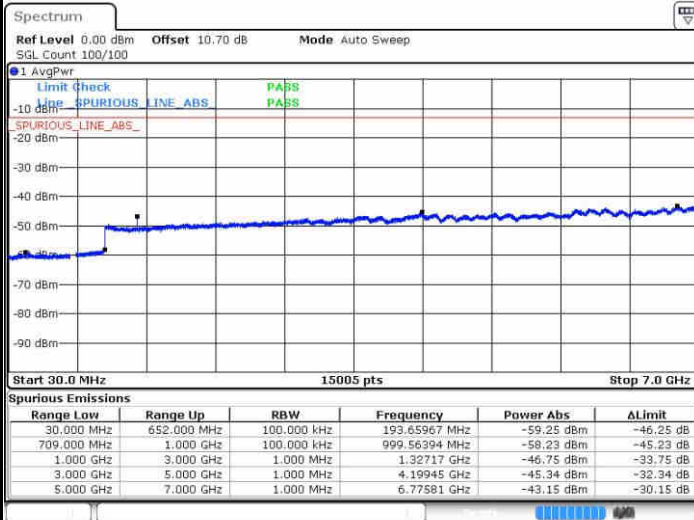


Date: 7.MAY.2019 10:31:06



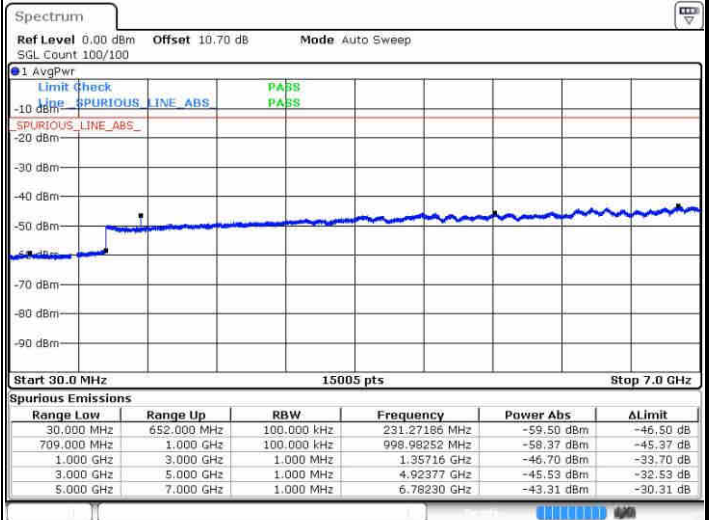
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



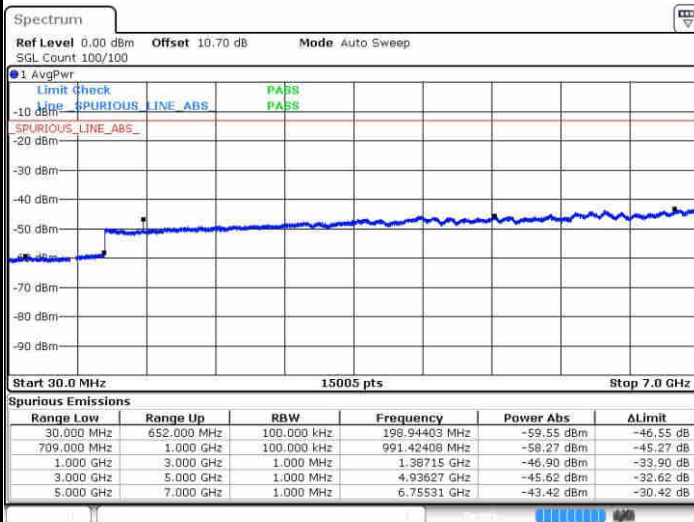
Date: 7.MAY.2019 09:35:05

Middle Channel / 64QAM



Date: 7.MAY.2019 09:36:14

Highest Channel / 64QAM

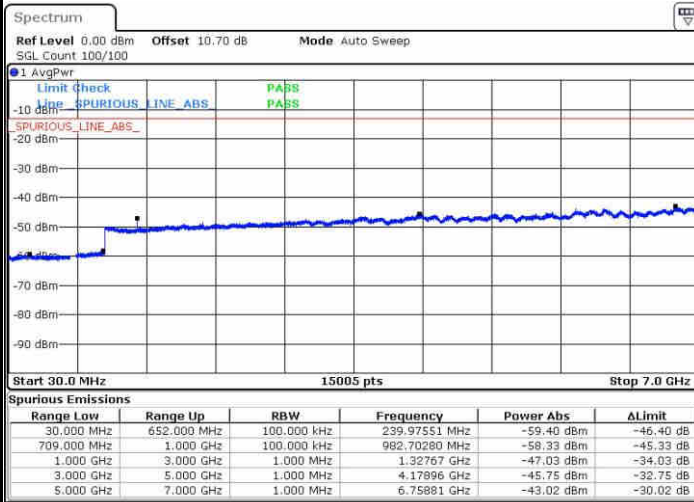


Date: 7.MAY.2019 09:38:55



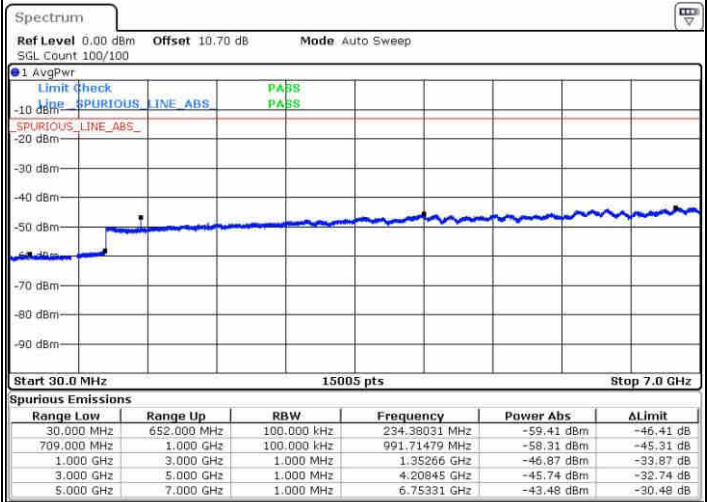
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



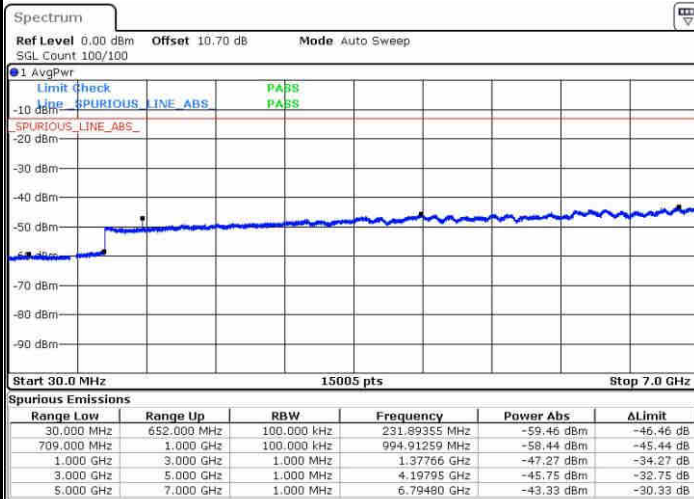
Date: 7.MAY.2019 09:54:38

Middle Channel / 64QAM



Date: 7.MAY.2019 09:55:46

Highest Channel / 64QAM

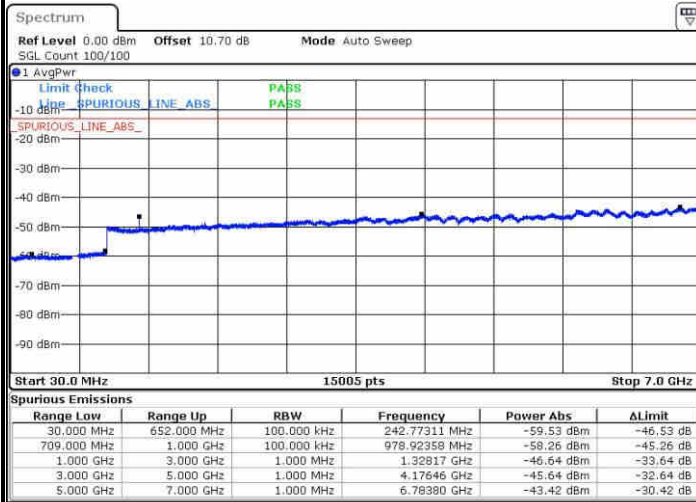


Date: 7.MAY.2019 09:58:28



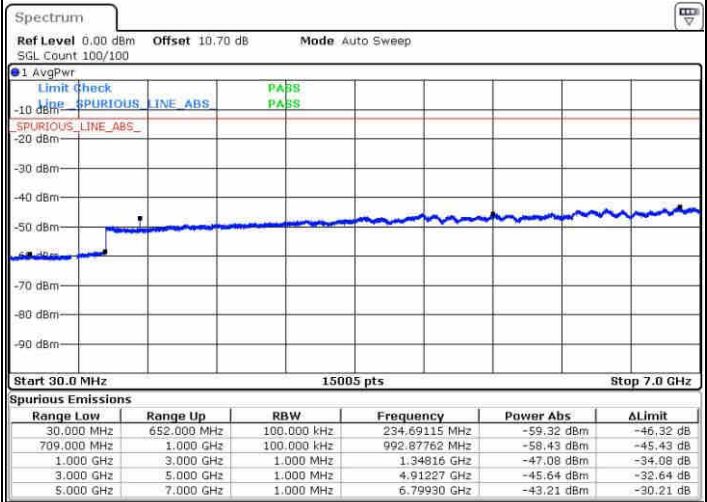
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



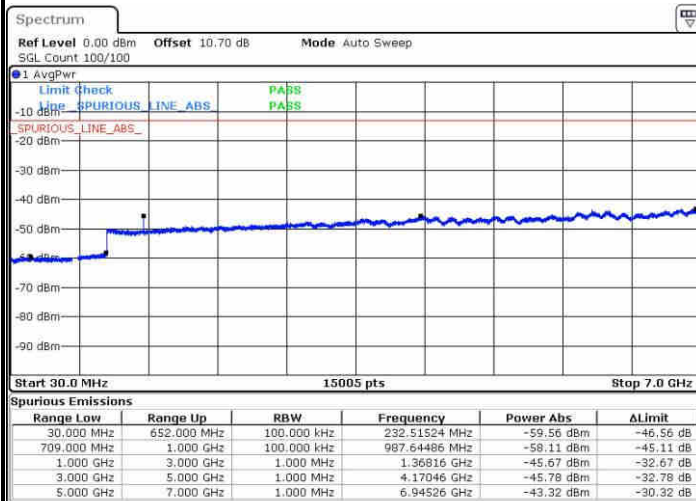
Date: 7.MAY.2019 10:14:13

Middle Channel / 64QAM



Date: 7.MAY.2019 10:15:22

Highest Channel / 64QAM

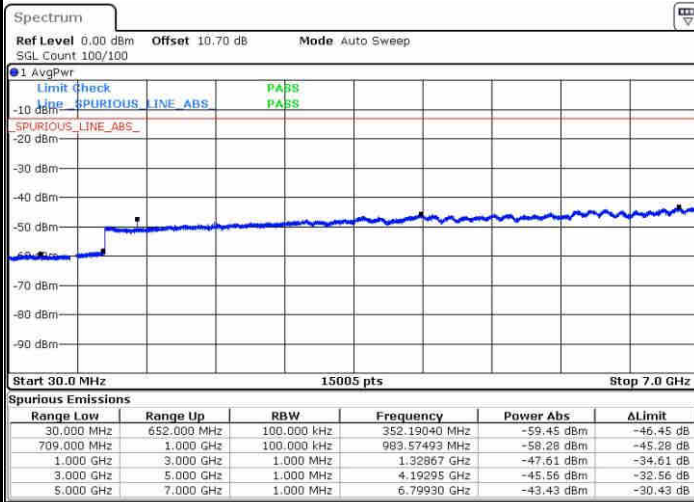


Date: 7.MAY.2019 10:18:02



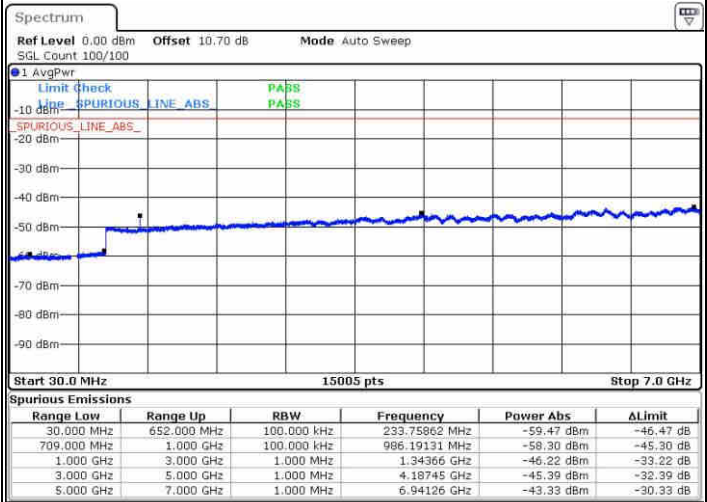
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



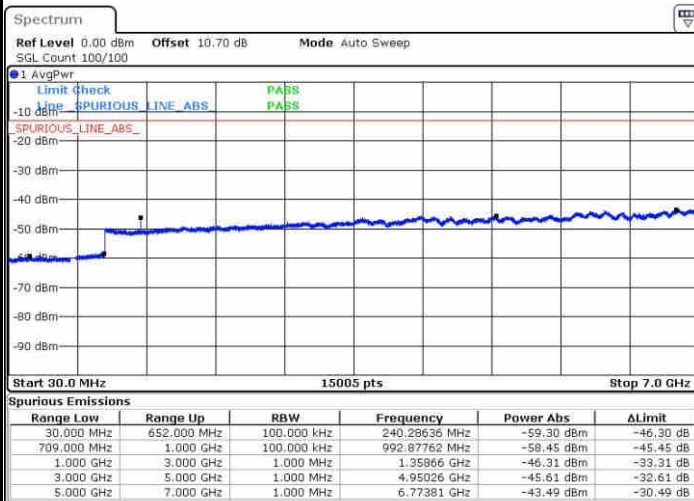
Date: 7.MAY.2019 10:33:48

Middle Channel / 64QAM



Date: 7.MAY.2019 10:34:56

Highest Channel / 64QAM



Date: 7.MAY.2019 10:37:37

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	0.0004	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0088	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0120	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0141	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

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



<For G020N>

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	24.77	25.07	29.85	25.07	30.51
Middle CH	24.68	25.12	29.85	25.12	30.39
Highest CH	24.73	25.02	29.91	25.27	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.69	24.88	29.97	34.97	39.80
Middle CH	34.69	24.88	29.85	34.97	39.64
Highest CH	34.90	24.73	30.09	34.90	39.80

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.62	25.12	30.03	25.12	30.69
Middle CH	24.77	24.93	29.91	24.88	30.57
Highest CH	24.62	24.98	29.97	25.07	30.39
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.93	29.91	34.83	39.80
Middle CH	34.83	24.77	29.97	34.97	39.80
Highest CH	34.90	24.73	29.97	35.17	39.88

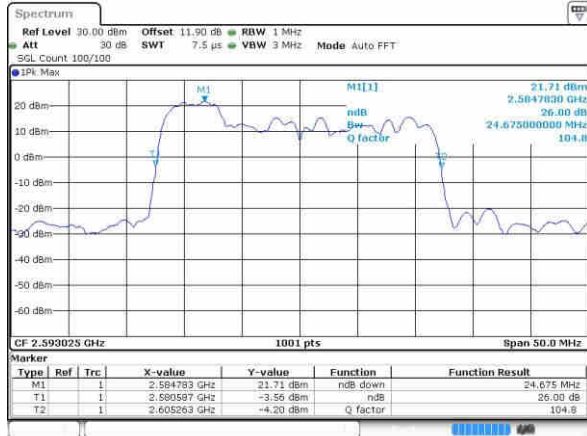
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.57	24.98	29.85	25.38	30.57
Middle CH	24.77	25.02	29.85	25.12	30.39
Highest CH	24.73	24.82	29.91	25.02	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.73	29.85	34.97	39.88
Middle CH	34.76	24.98	30.09	34.97	39.88
Highest CH	34.62	24.62	29.97	34.83	39.88



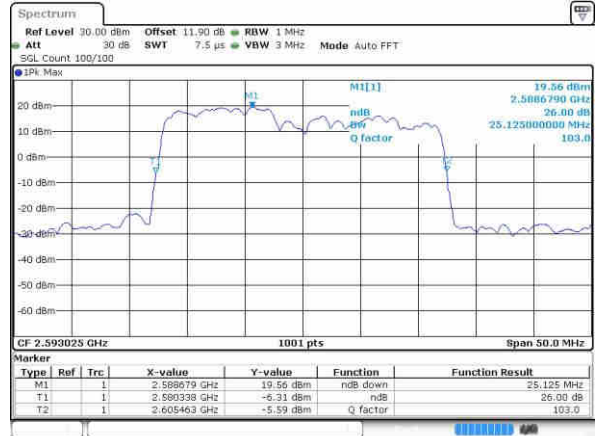
LTE Band 41

QPSK

Middle Channel / 5MHz+20MHz



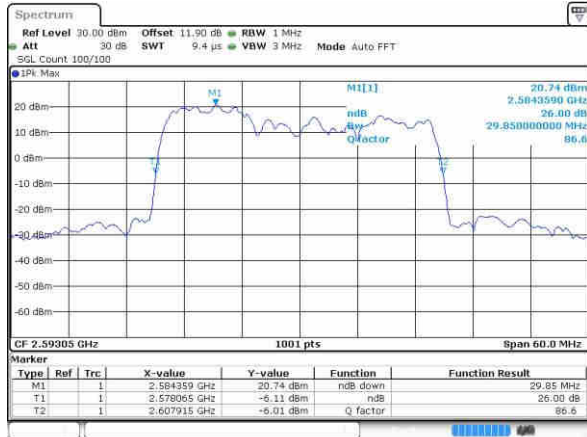
Middle Channel / 10MHz+15MHz



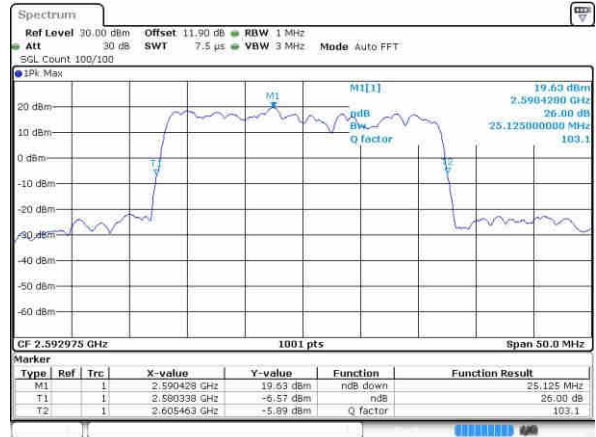
LTE Band 41

QPSK

Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz

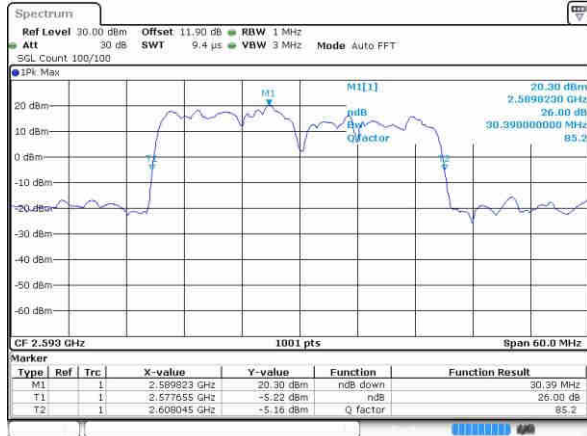




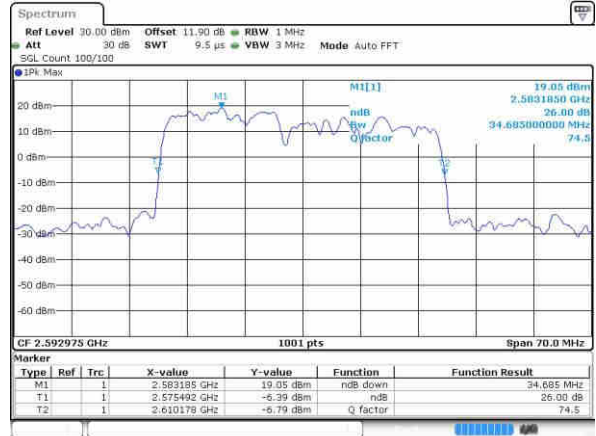
LTE Band 41

QPSK

Middle Channel / 15MHz+15MHz



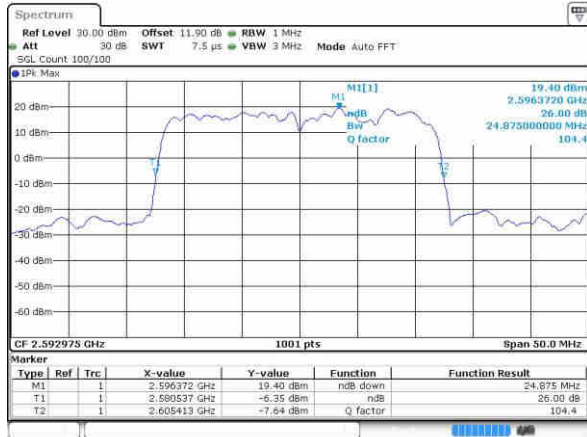
Middle Channel / 15MHz+20MHz



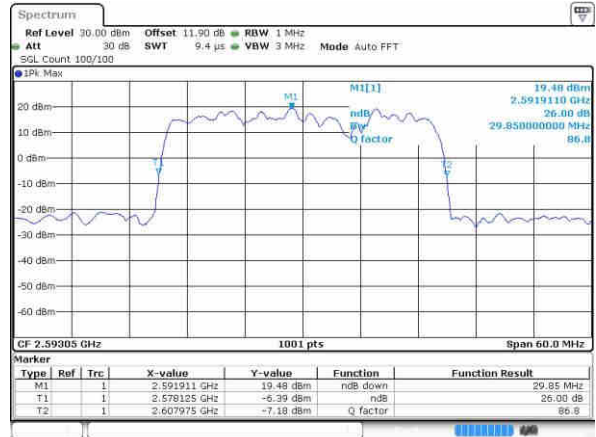
LTE Band 41

QPSK

Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz

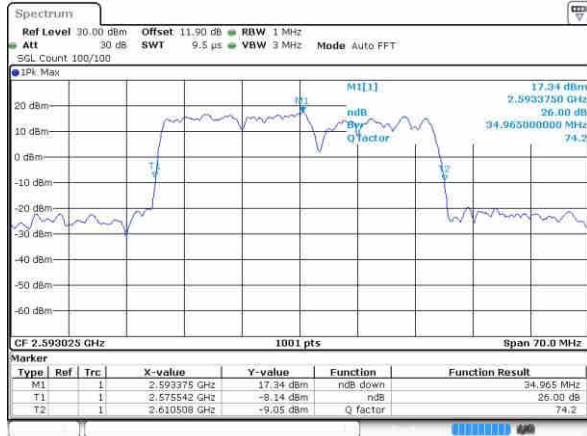




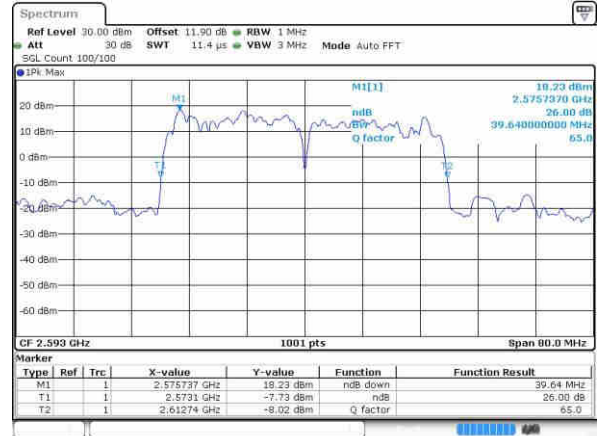
LTE Band 41

QPSK

Middle Channel / 20MHz+15MHz



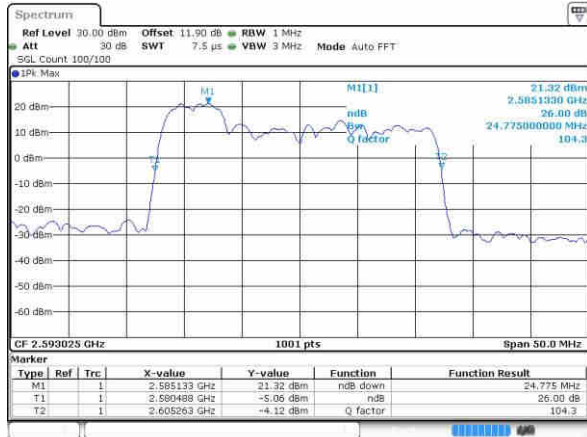
Middle Channel / 20MHz+20MHz



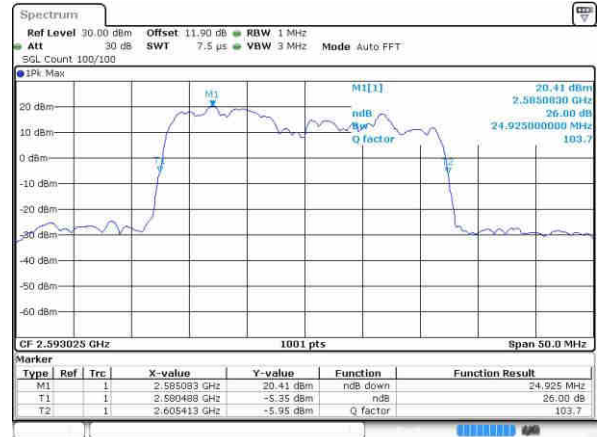
LTE Band 41

16QAM

Middle Channel / 5MHz+20MHz



Middle Channel / 10MHz+15MHz

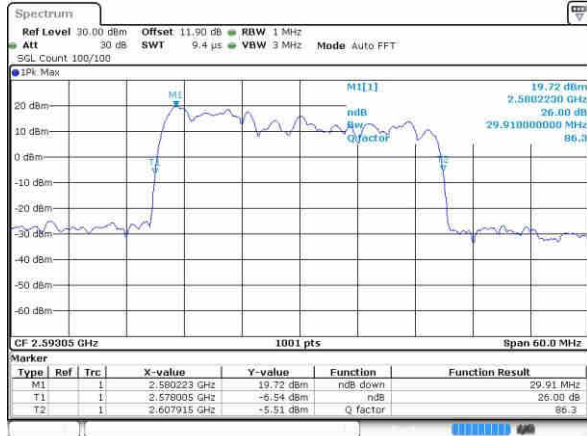




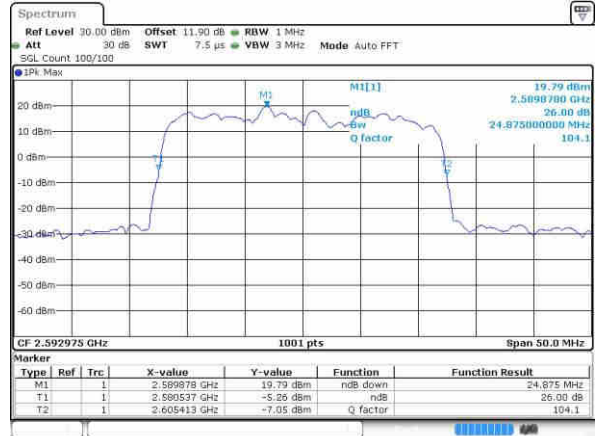
LTE Band 41

16QAM

Middle Channel / 10MHz+20MHz



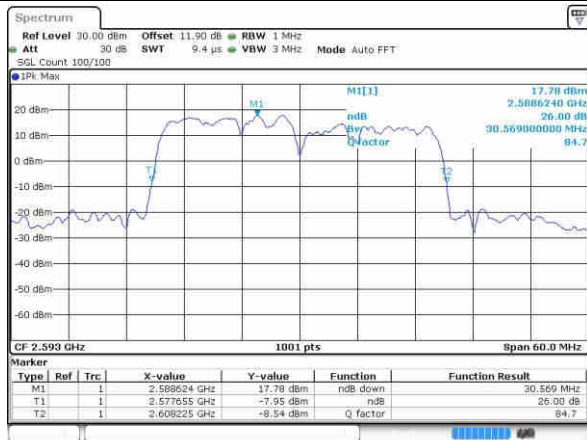
Middle Channel / 15MHz+10MHz



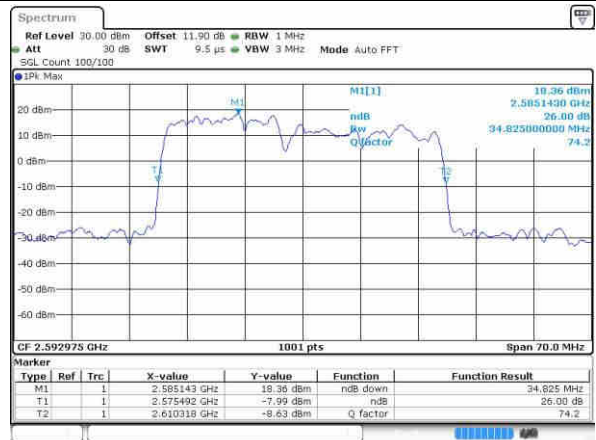
LTE Band 41

16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

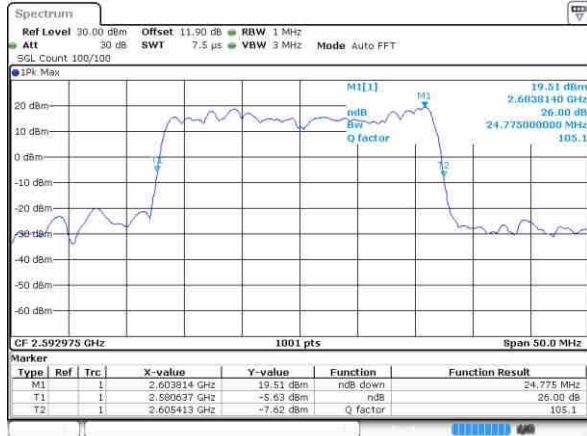




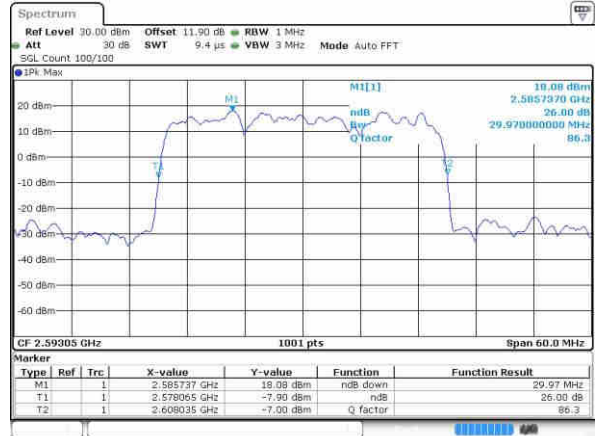
LTE Band 41

16QAM

Middle Channel / 20MHz+5MHz



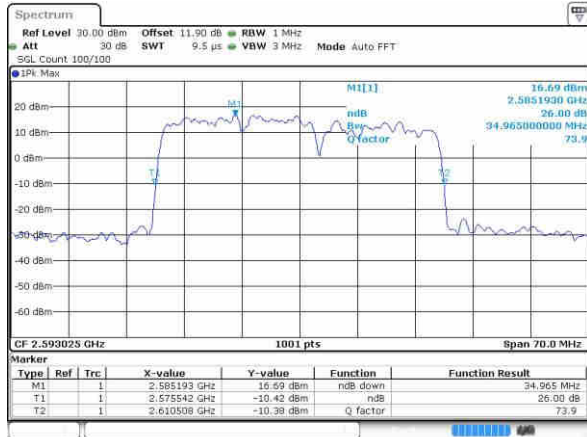
Middle Channel / 20MHz+10MHz



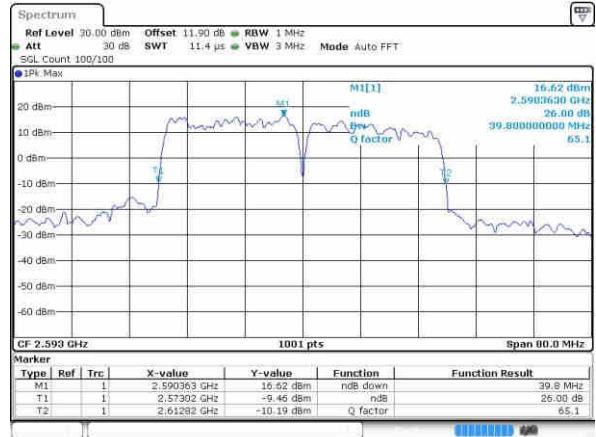
LTE Band 41

16QAM

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

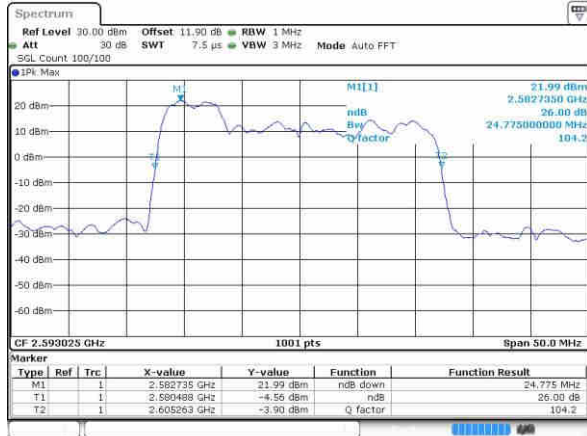




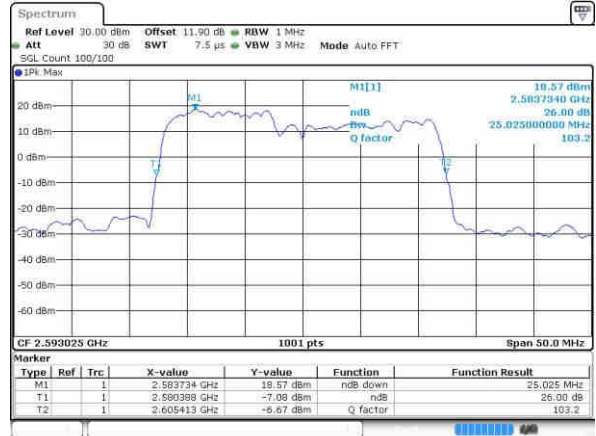
LTE Band 41

64QAM

Middle Channel / 5MHz+20MHz



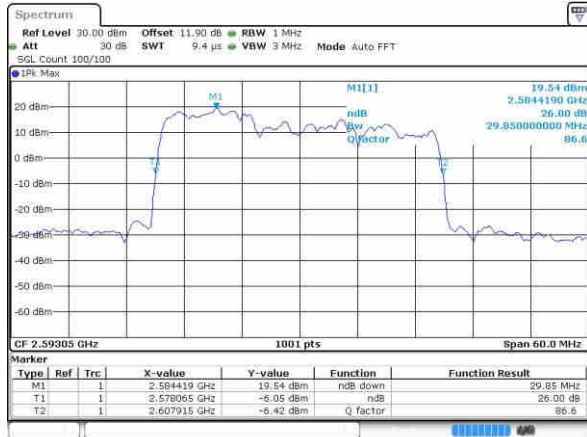
Middle Channel / 10MHz+15MHz



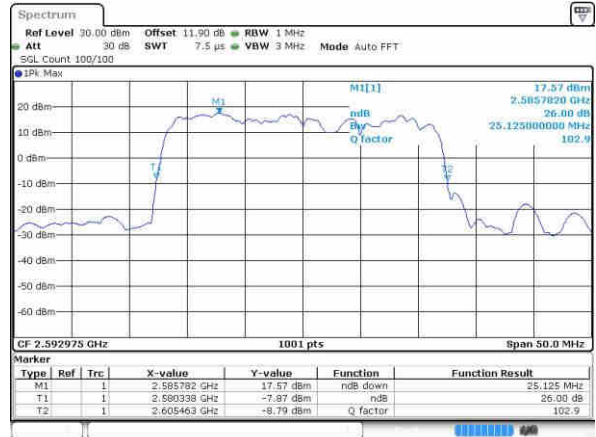
LTE Band 41

64QAM

Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz

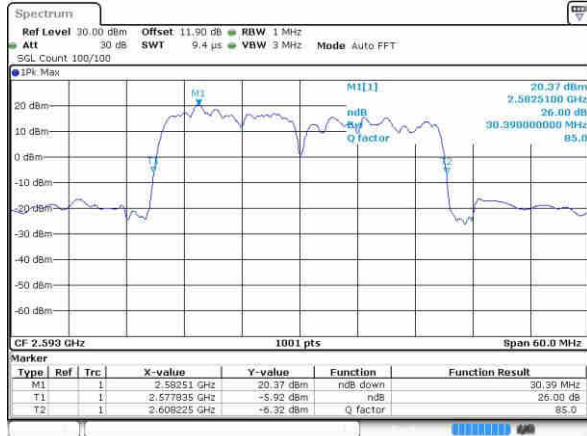




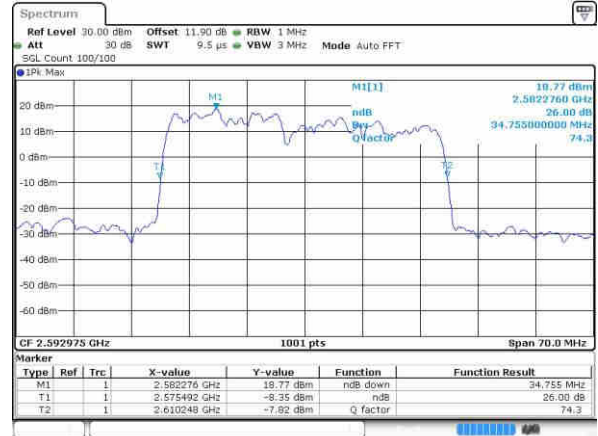
LTE Band 41

64QAM

Middle Channel / 15MHz+15MHz



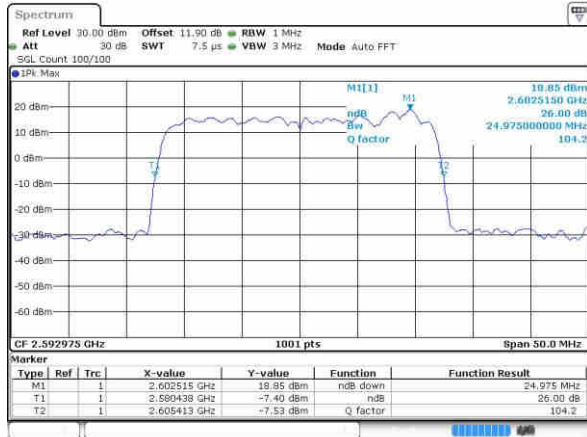
Middle Channel / 15MHz+20MHz



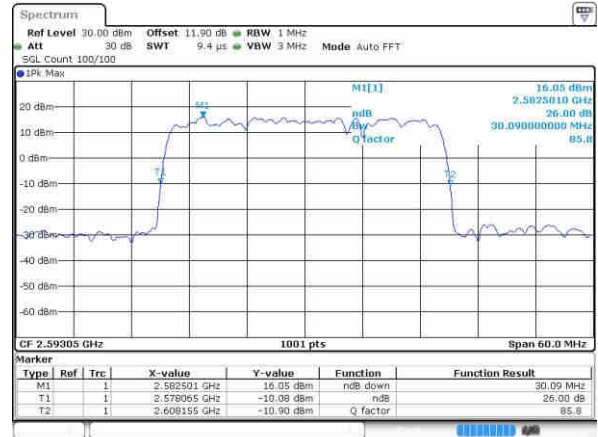
LTE Band 41

64QAM

Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz

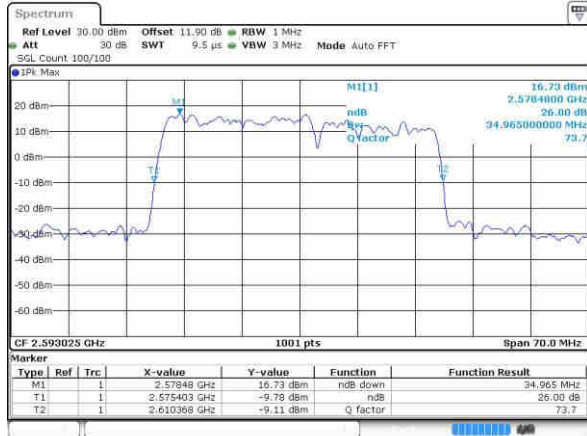




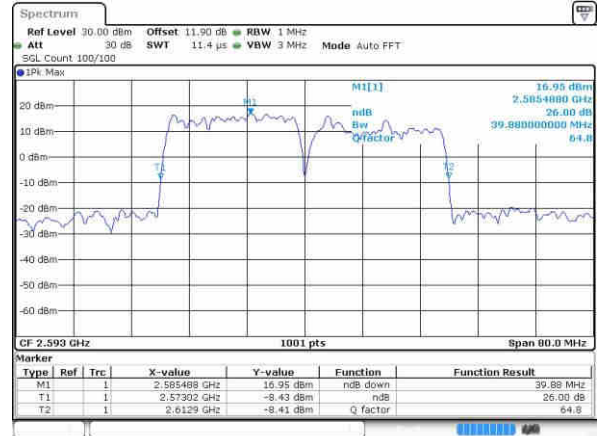
LTE Band 41

64QAM

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	23.13	23.33	28.17	23.38	28.47
Middle CH	23.03	23.28	27.69	23.38	28.47
Highest CH	23.33	23.28	28.05	23.28	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	23.08	27.99	32.59	37.56
Middle CH	33.01	23.13	28.05	32.80	37.64
Highest CH	32.94	23.28	27.99	32.73	37.88

Mode	LTE Band 41 : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.38	23.63	28.11	23.23	28.35
Middle CH	23.13	23.48	27.69	23.33	28.47
Highest CH	22.88	23.33	27.87	23.48	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.03	28.17	32.87	38.12
Middle CH	32.87	23.33	27.99	32.73	37.24
Highest CH	32.52	23.18	28.11	32.66	37.64

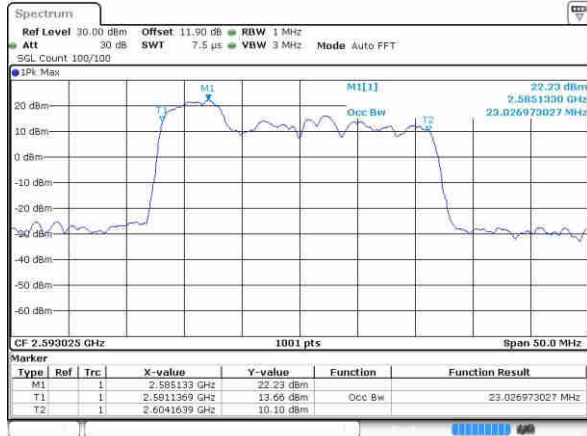
Mode	LTE Band 41 : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.38	23.33	27.99	23.18	28.77
Middle CH	23.08	23.08	27.93	23.63	28.71
Highest CH	23.03	23.13	28.05	23.48	28.29
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	22.98	28.29	32.80	37.56
Middle CH	33.01	23.43	28.05	32.59	37.48
Highest CH	32.45	23.08	28.17	32.94	37.64



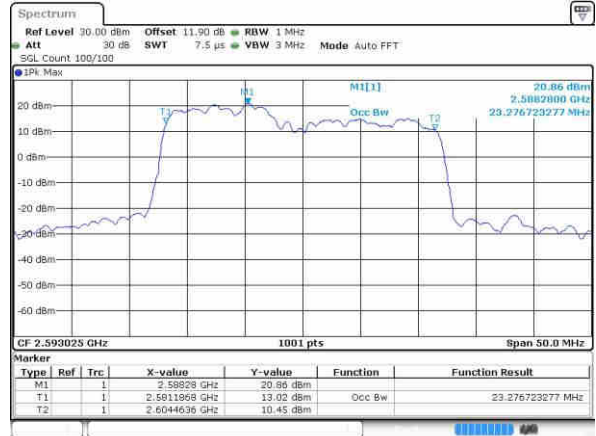
LTE Band 41

QPSK

Middle Channel / 5MHz+20MHz



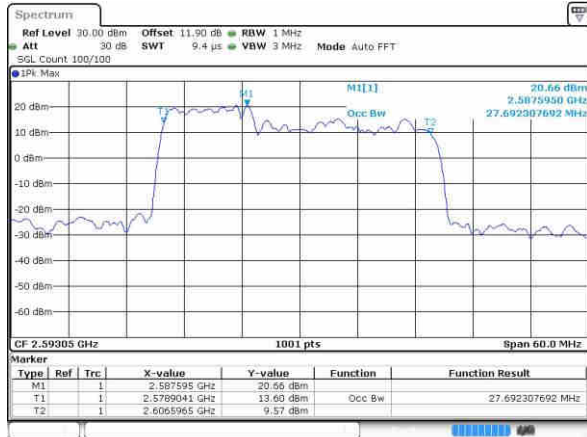
Middle Channel / 10MHz+15MHz



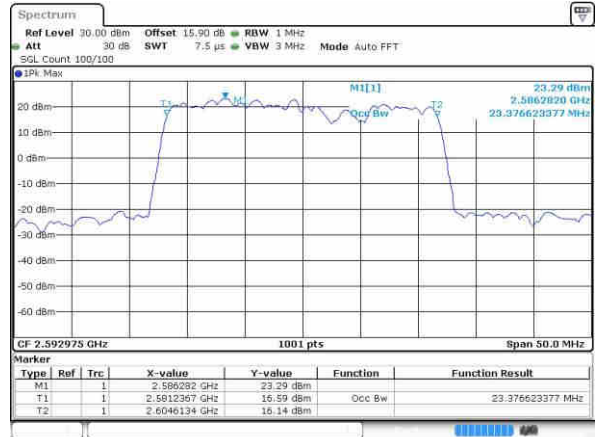
LTE Band 41

QPSK

Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz

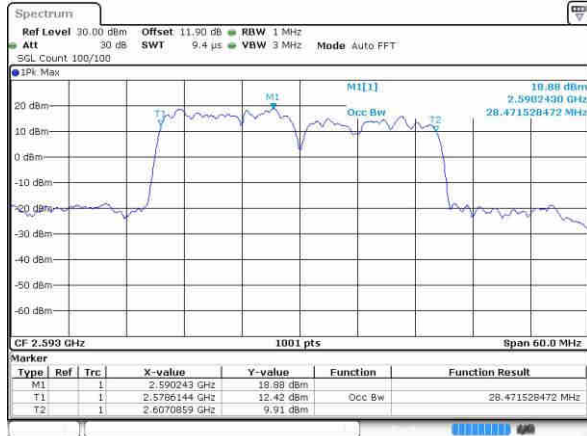




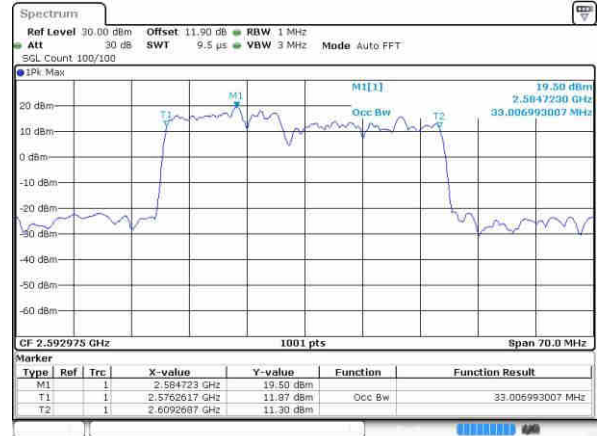
LTE Band 41

QPSK

Middle Channel / 15MHz+15MHz



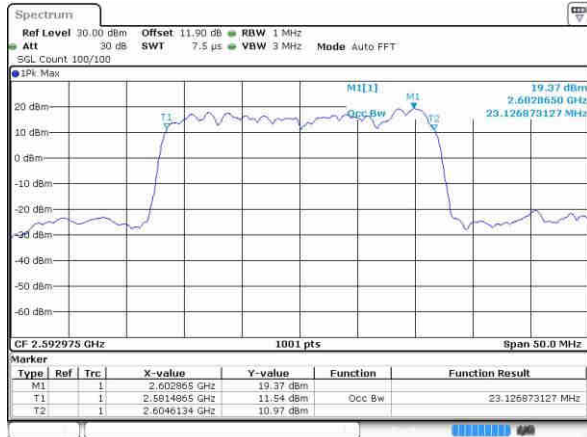
Middle Channel / 15MHz+20MHz



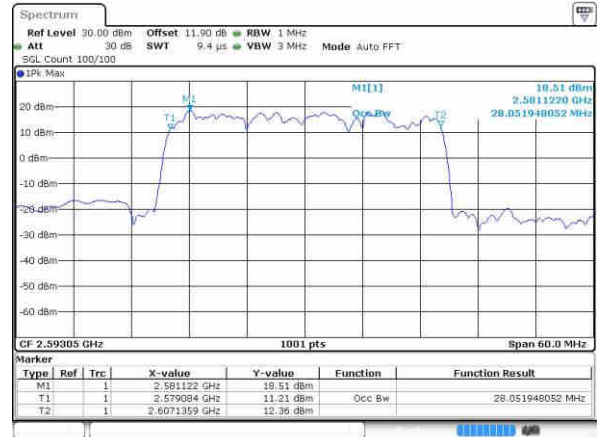
LTE Band 41

QPSK

Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz

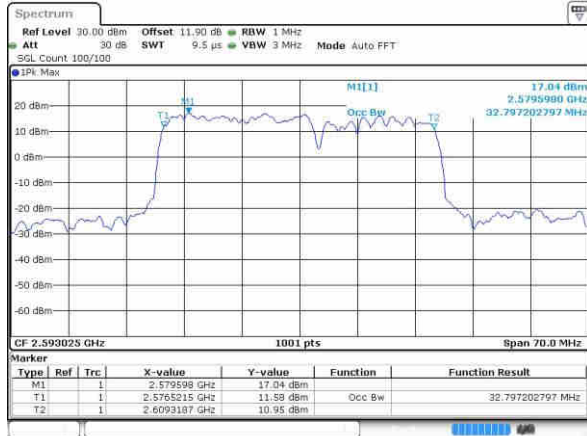




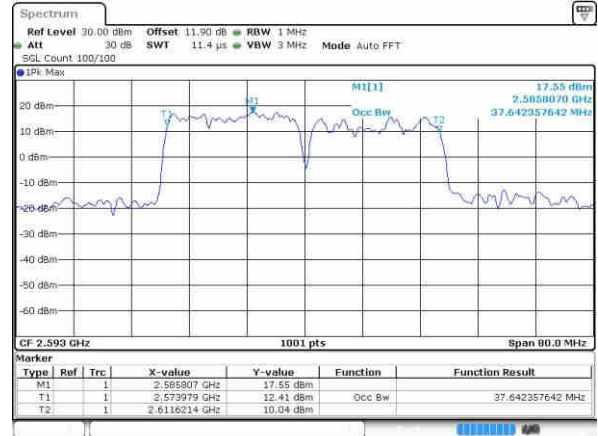
LTE Band 41

QPSK

Middle Channel / 20MHz+15MHz



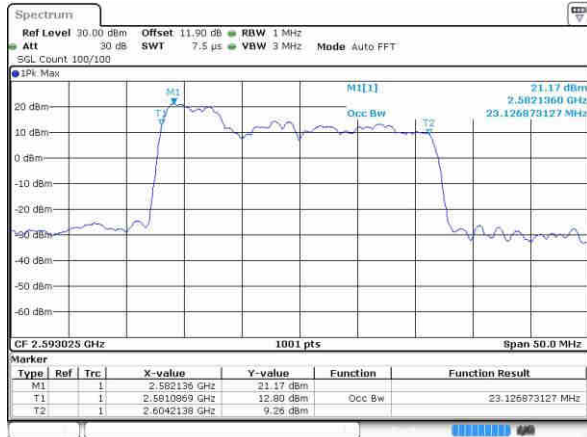
Middle Channel / 20MHz+20MHz



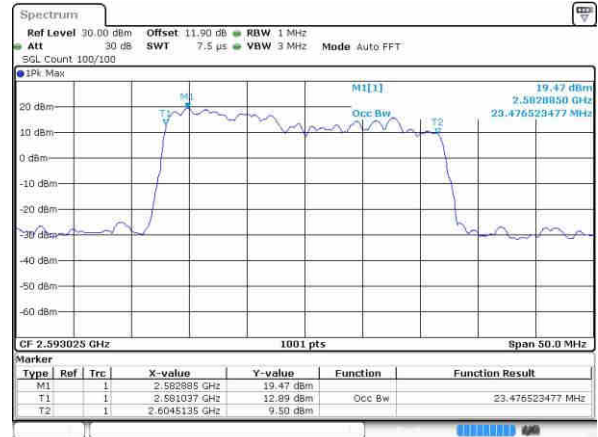
LTE Band 41

16QAM

Middle Channel / 5MHz+20MHz



Middle Channel / 10MHz+15MHz

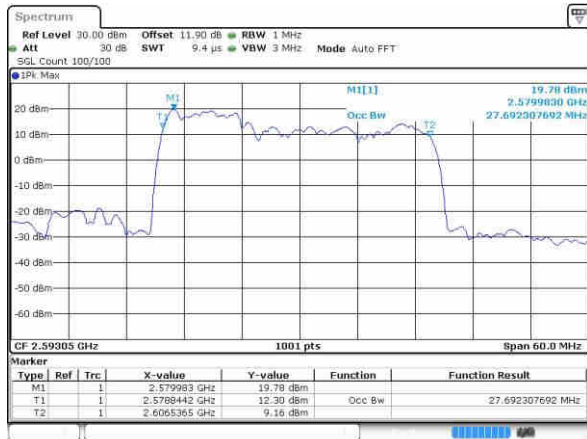




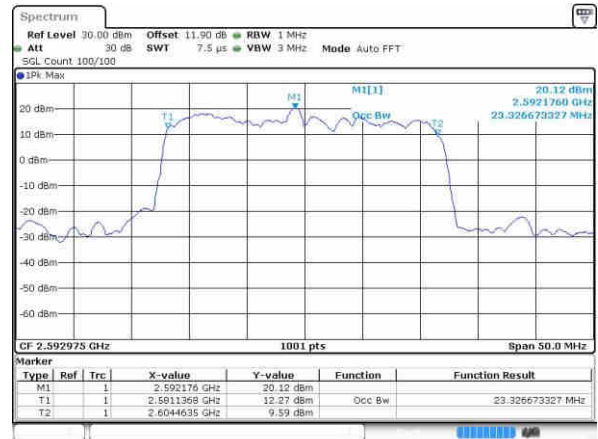
LTE Band 41

16QAM

Middle Channel / 10MHz+20MHz



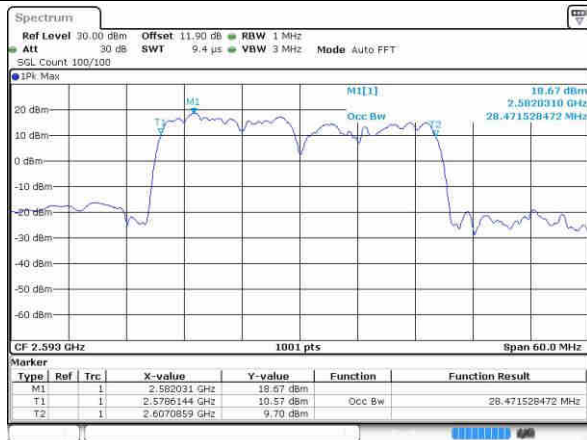
Middle Channel / 15MHz+10MHz



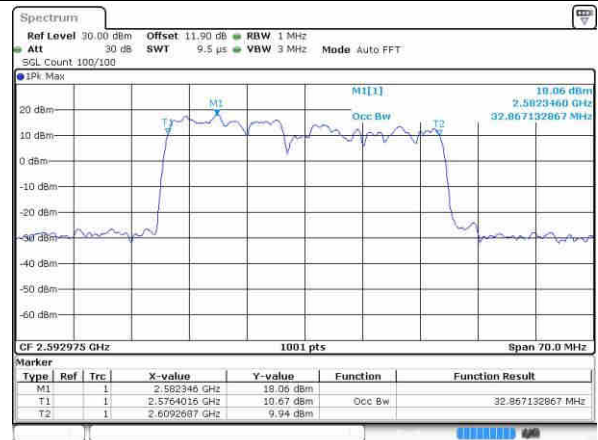
LTE Band 41

16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

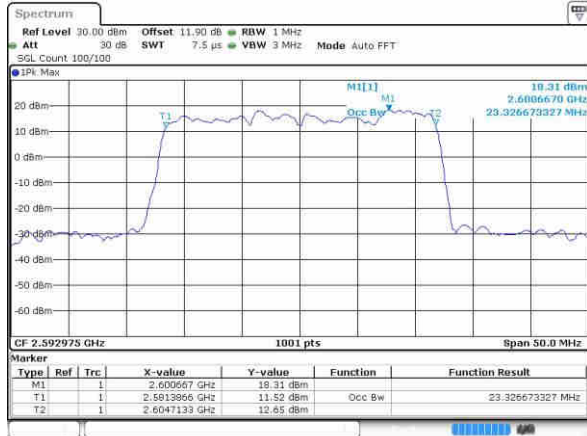




LTE Band 41

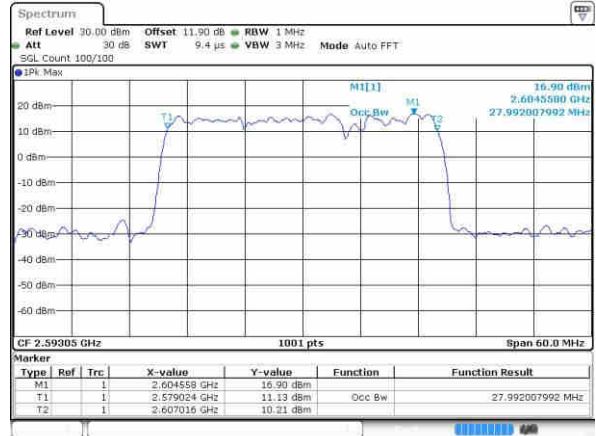
16QAM

Middle Channel / 20MHz+5MHz



Date: 9 JUN 2019 20:44:44

Middle Channel / 20MHz+10MHz

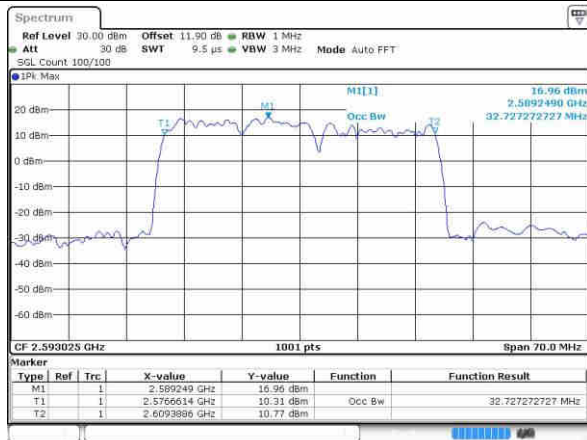


Date: 9 JUN 2019 22:01:11

LTE Band 41

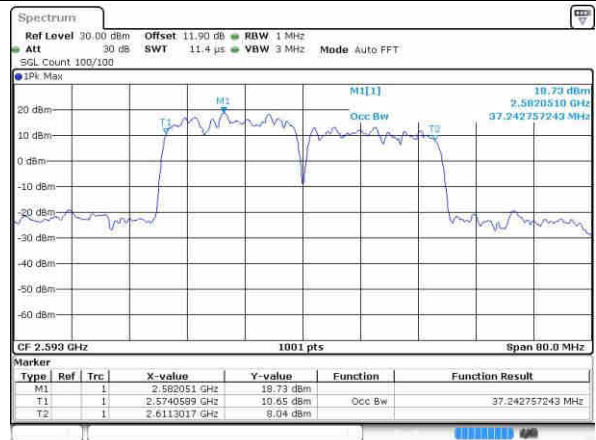
16QAM

Middle Channel / 20MHz+15MHz



Date: 9 JUN 2019 22:59:39

Middle Channel / 20MHz+20MHz



Date: 10 JUN 2019 09:59:49



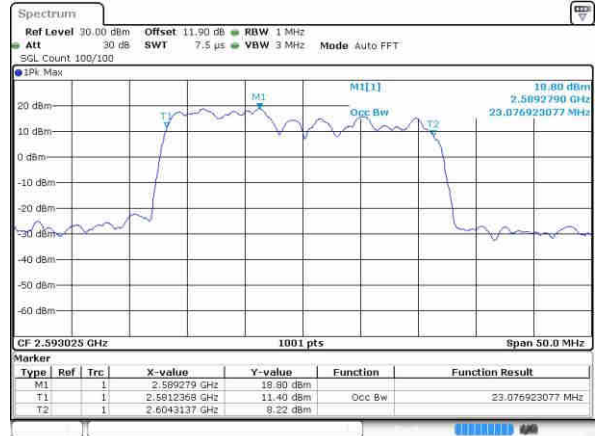
LTE Band 41

64QAM

Middle Channel / 5MHz+20MHz



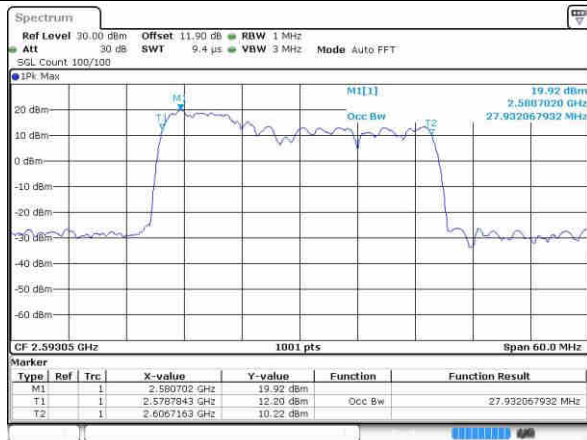
Middle Channel / 10MHz+15MHz



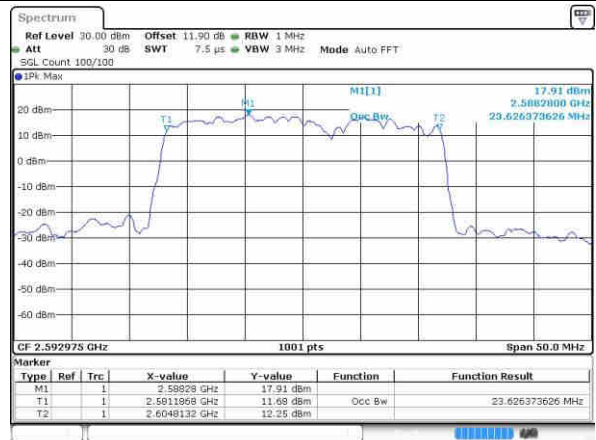
LTE Band 41

64QAM

Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz

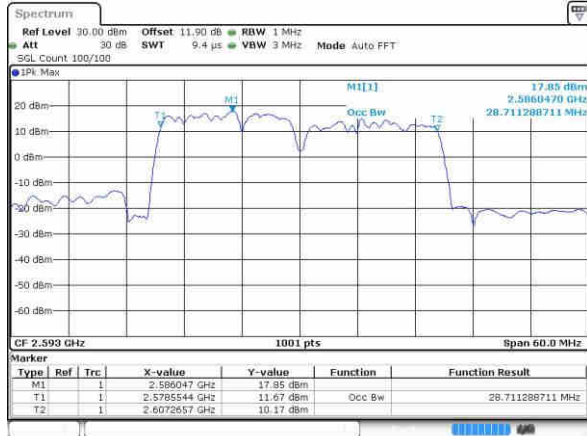




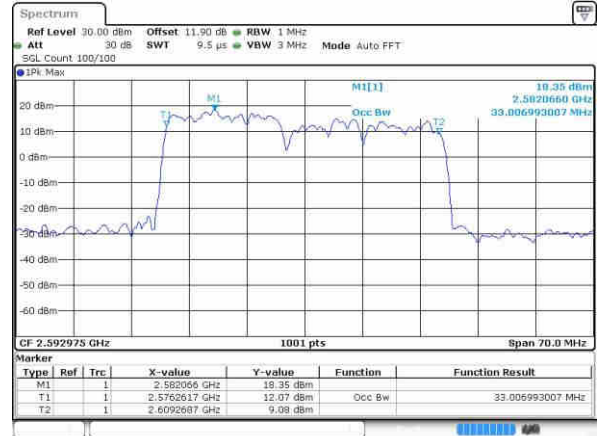
LTE Band 41

64QAM

Middle Channel / 15MHz+15MHz



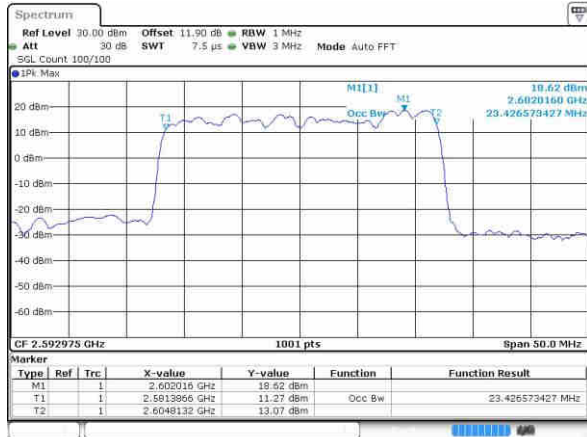
Middle Channel / 15MHz+20MHz



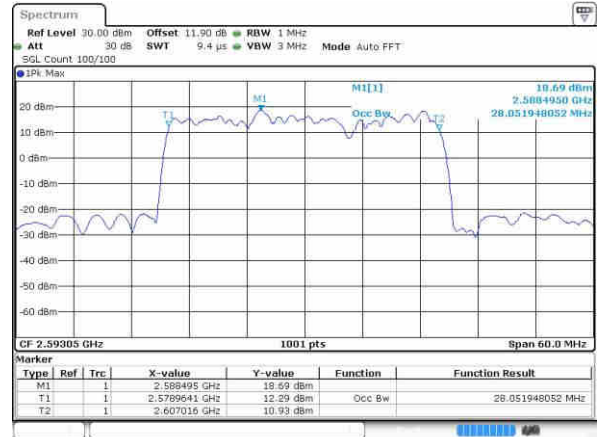
LTE Band 41

64QAM

Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz

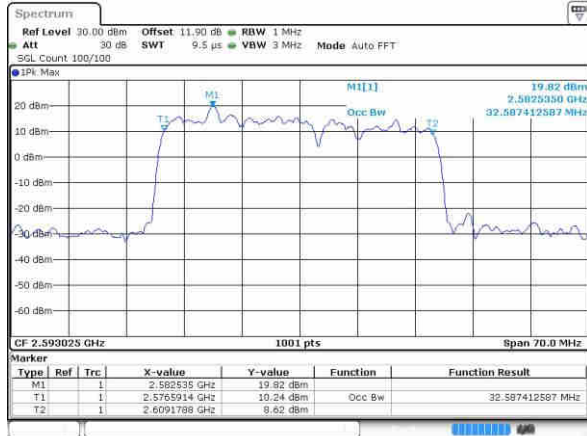




LTE Band 41

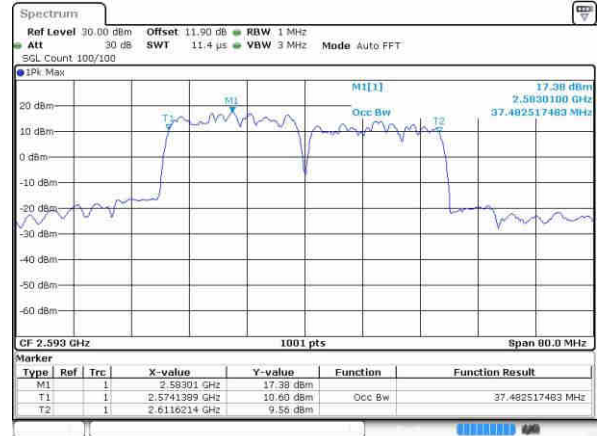
64QAM

Middle Channel / 20MHz+15MHz



Date: 9 JUN 2019 23:00:02

Middle Channel / 20MHz+20MHz



Date: 10 JUN 2019 10:00:13

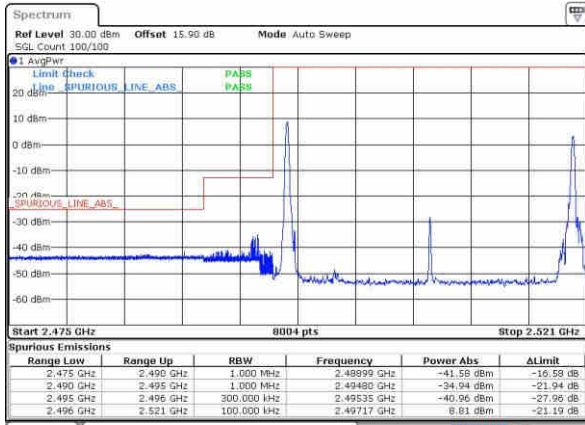


Conducted Band Edge

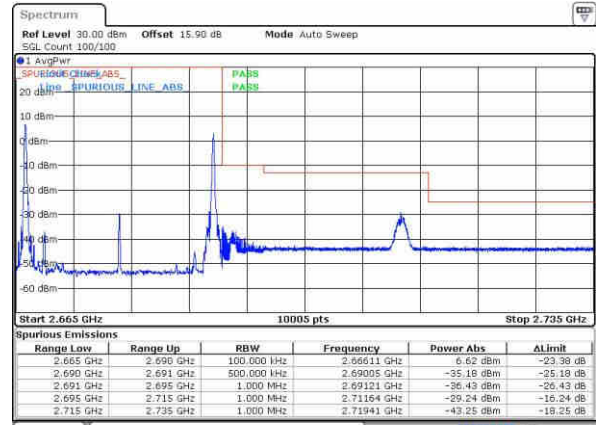
LTE Band 41 / 5MHz+20MHz

QPSK

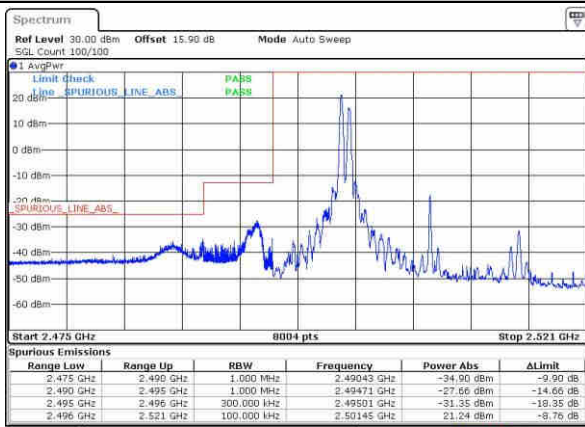
Lowest Band Edge / 1RB0 and 1RB99



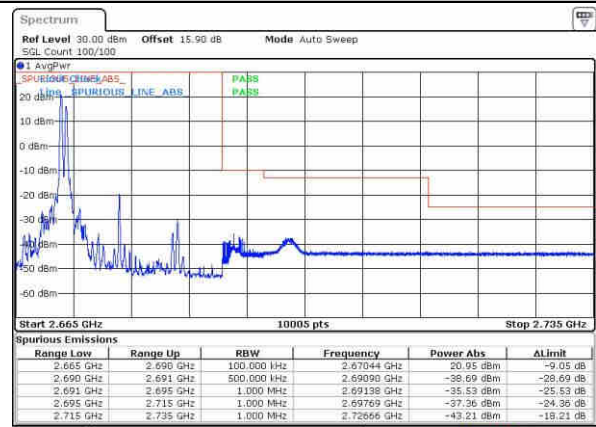
Highest Band Edge / 1RB0 and 1RB99



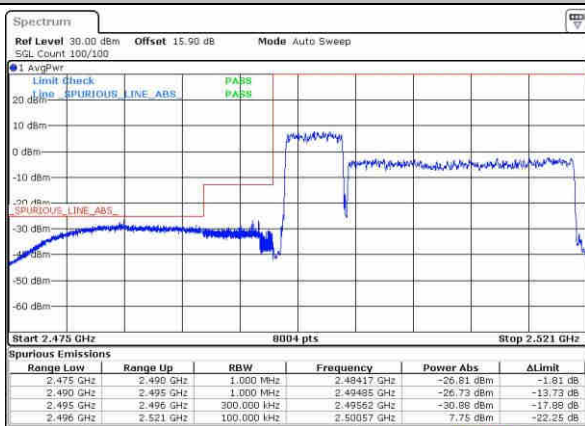
Lowest Band Edge / 1RB24 and 1RB0



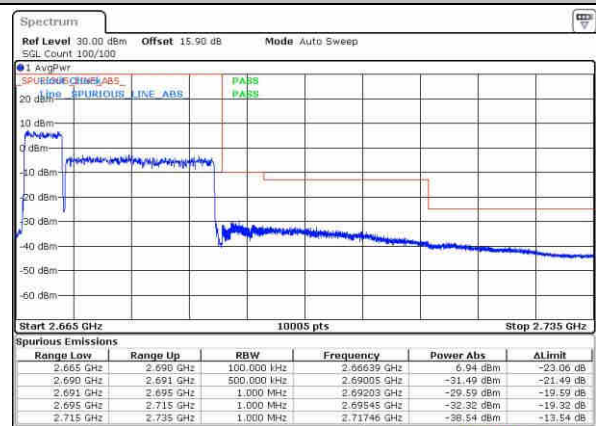
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

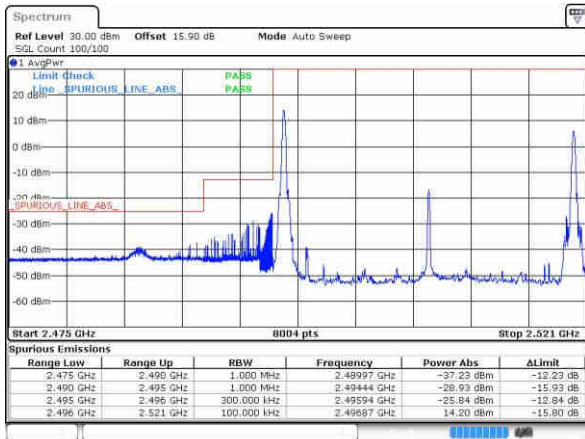




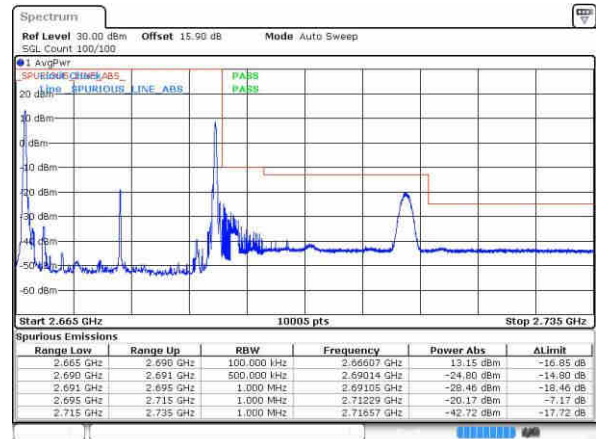
LTE Band 41 / 10MHz+15MHz

QPSK

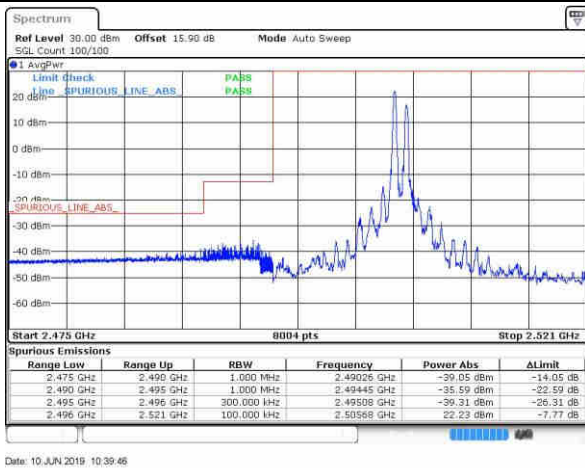
Lowest Band Edge / 1RB0 and 1RB74



Highest Band Edge / 1RB0 and 1RB74



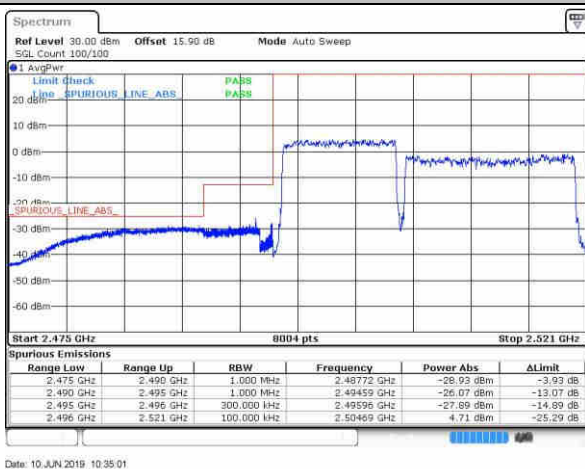
Lowest Band Edge / 1RB49 and 1RB0



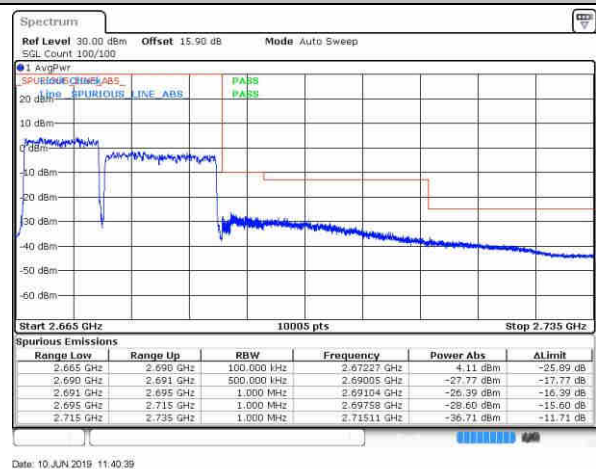
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

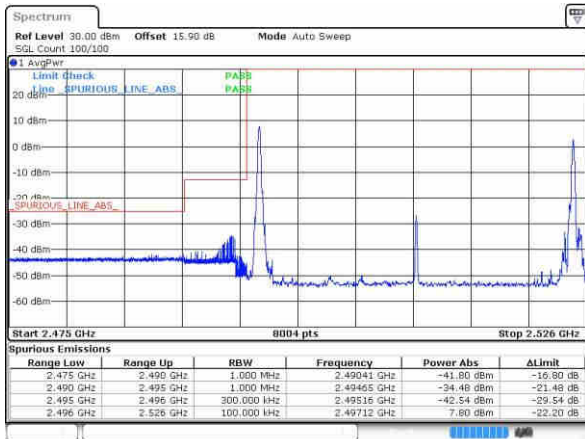




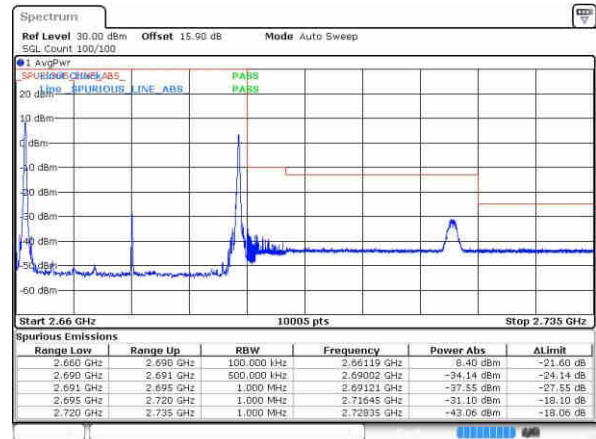
LTE Band 41 / 10MHz+20MHz

QPSK

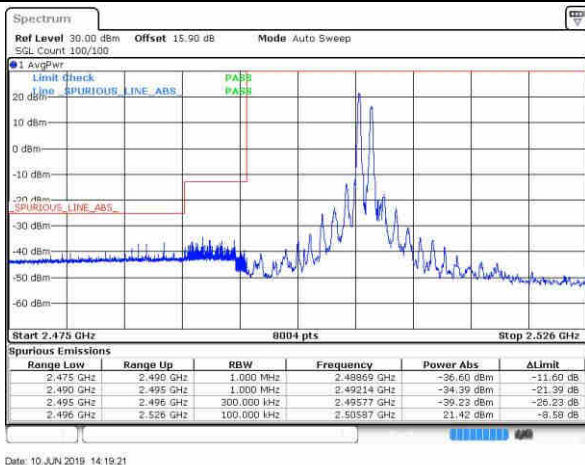
Lowest Band Edge / 1RB0 and 1RB99



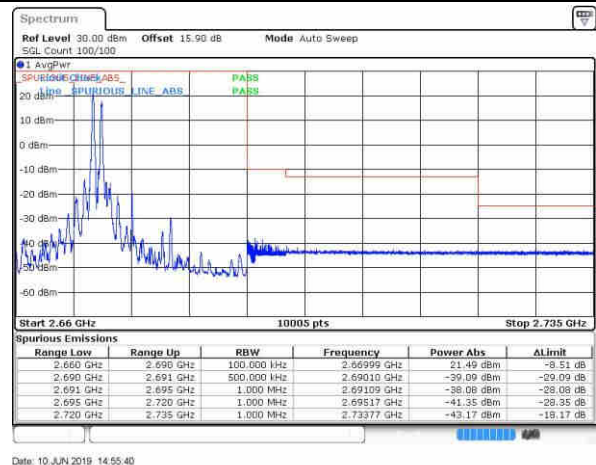
Highest Band Edge / 1RB0 and 1RB99



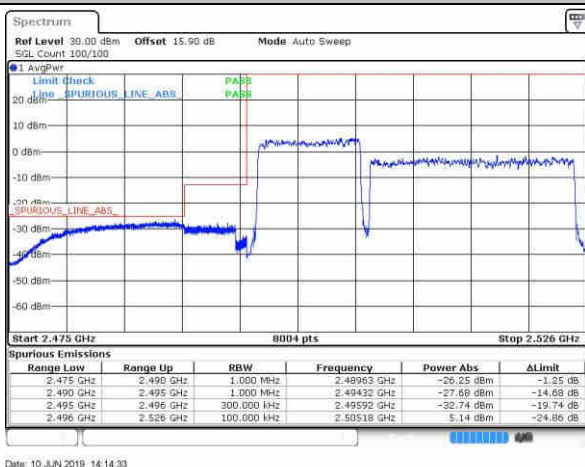
Lowest Band Edge / 1RB49 and 1RB0



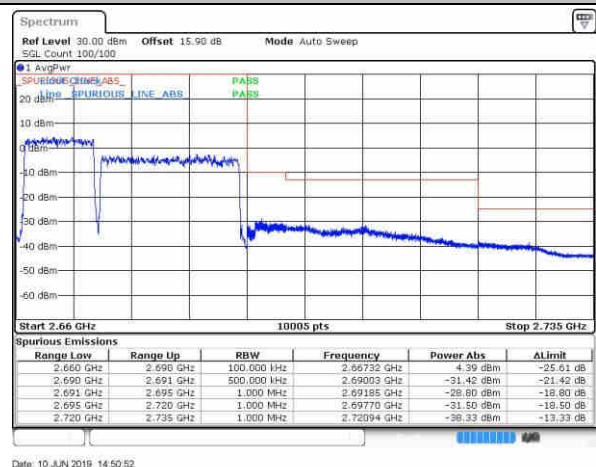
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

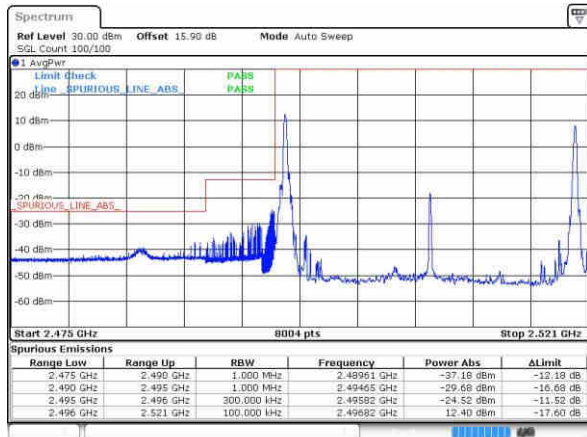




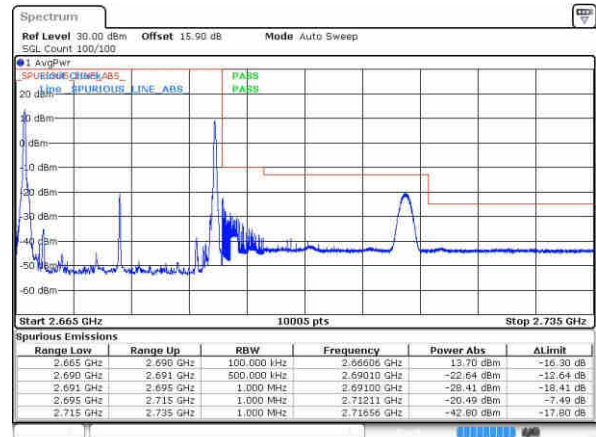
LTE Band 41 / 15MHz+10MHz

QPSK

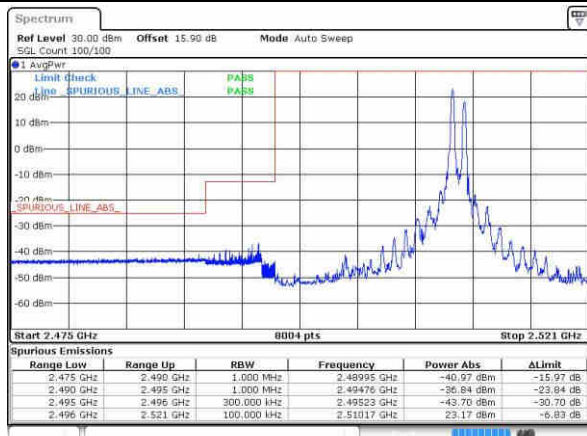
Lowest Band Edge / 1RB0 and 1RB49



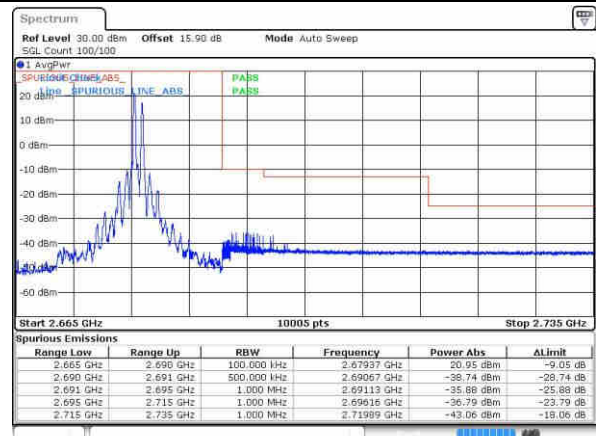
Highest Band Edge / 1RB0 and 1RB49



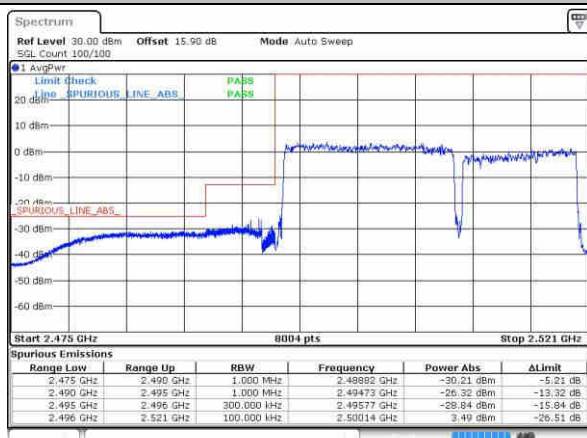
Lowest Band Edge / 1RB74 and 1RB0



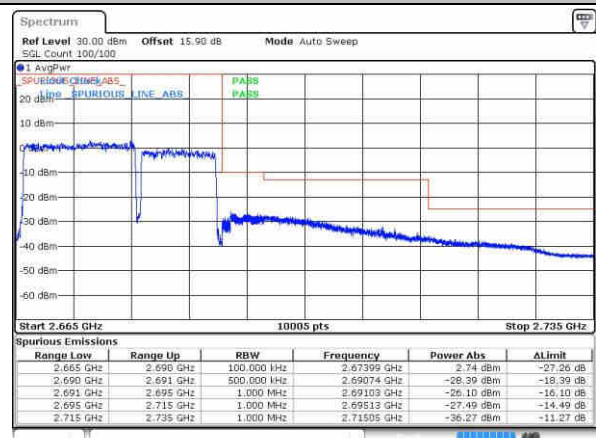
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

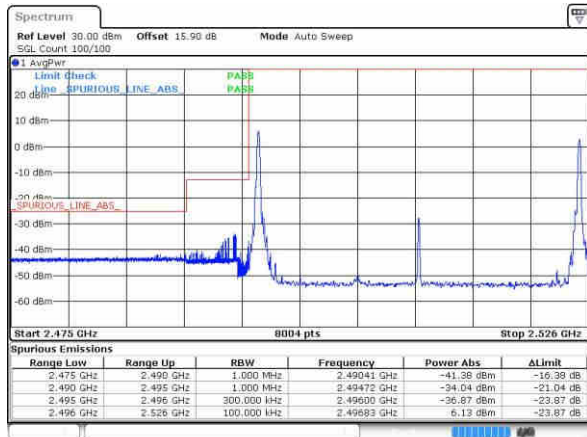




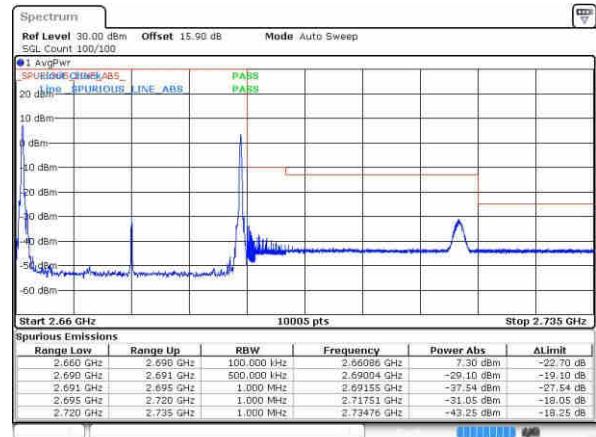
LTE Band 41 / 15MHz+15MHz

QPSK

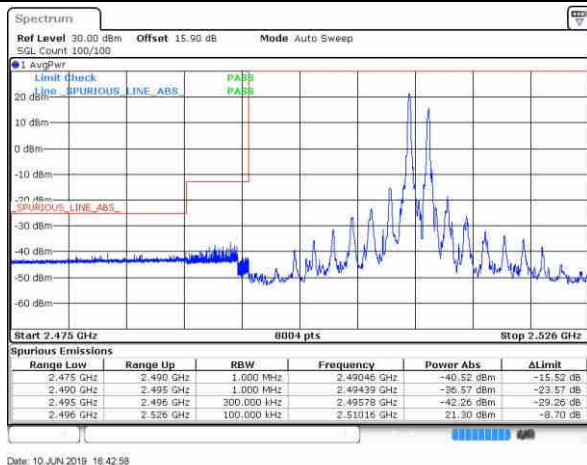
Lowest Band Edge / 1RB0 and 1RB74



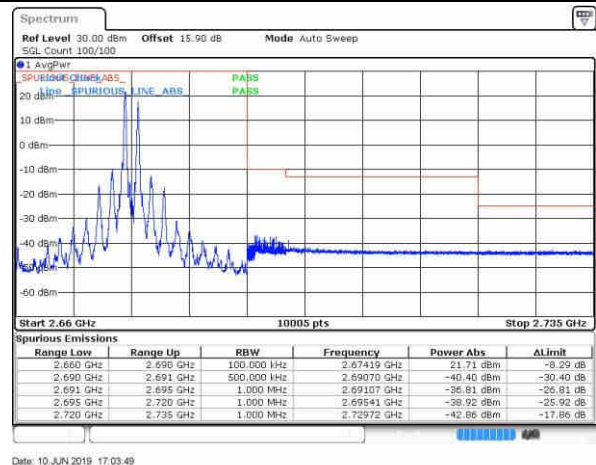
Highest Band Edge / 1RB0 and 1RB74



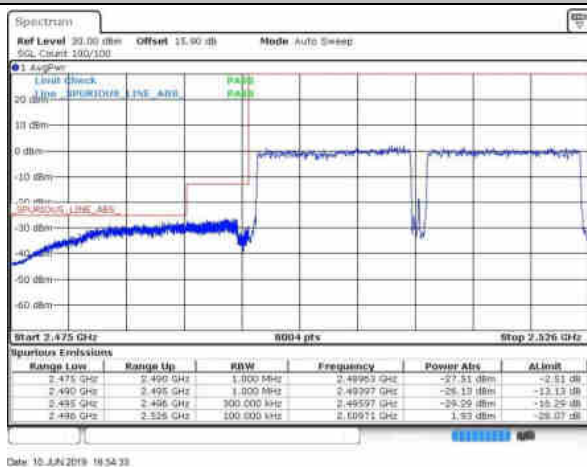
Lowest Band Edge / 1RB74 and 1RB0



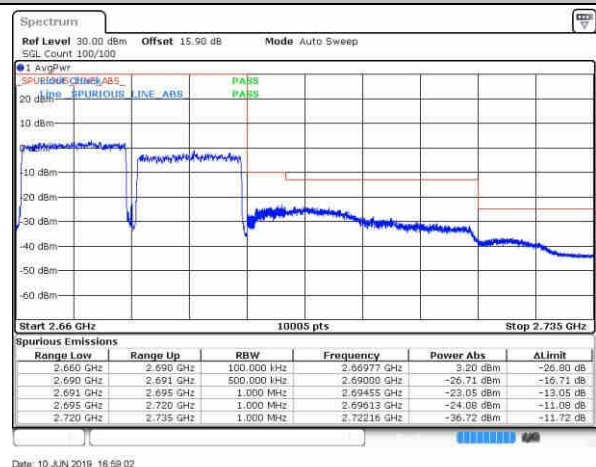
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

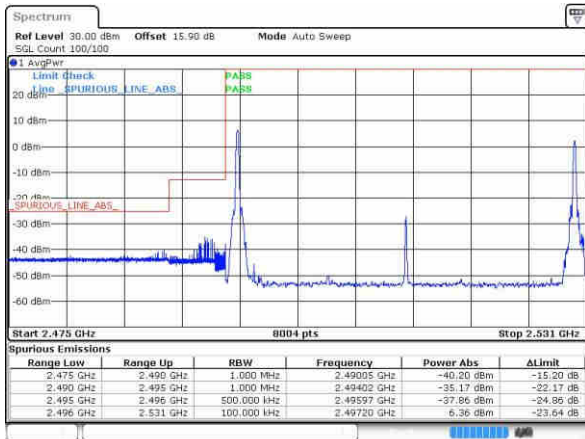




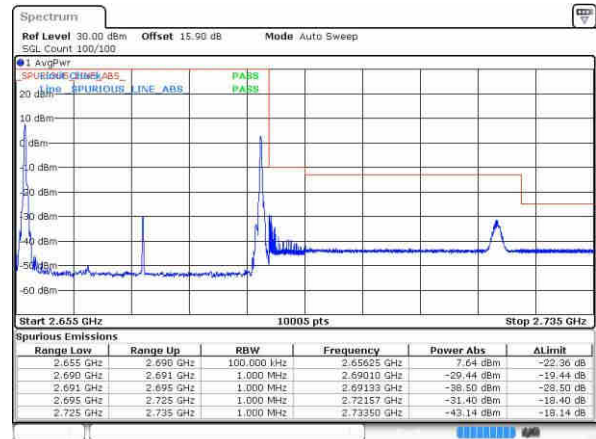
LTE Band 41 / 15MHz+20MHz

QPSK

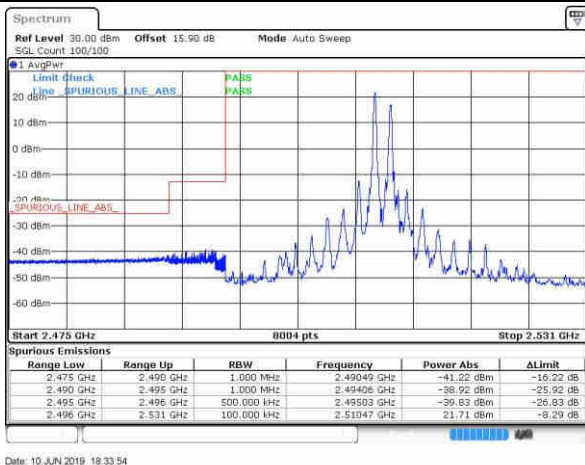
Lowest Band Edge / 1RB0 and 1RB99



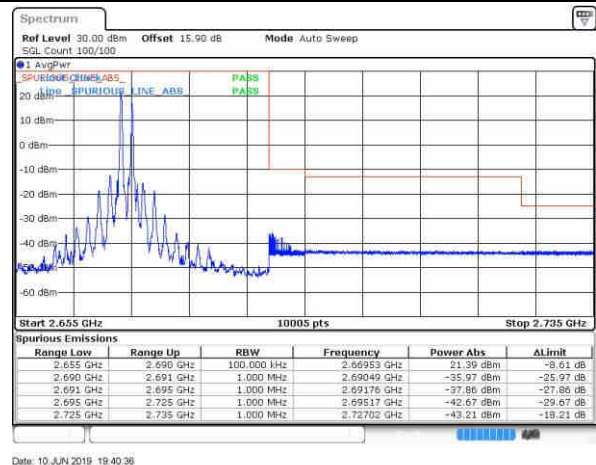
Highest Band Edge / 1RB0 and 1RB99



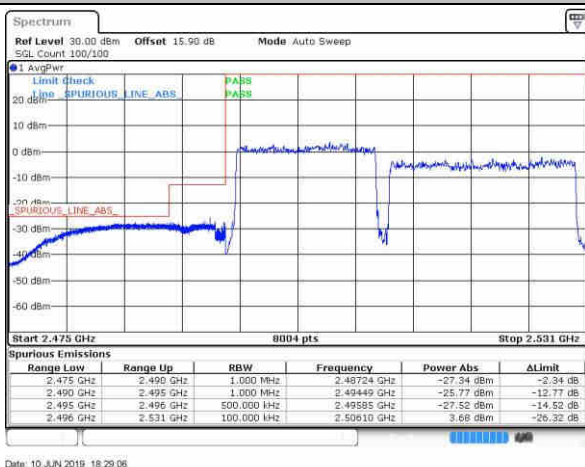
Lowest Band Edge / 1RB74 and 1RB0



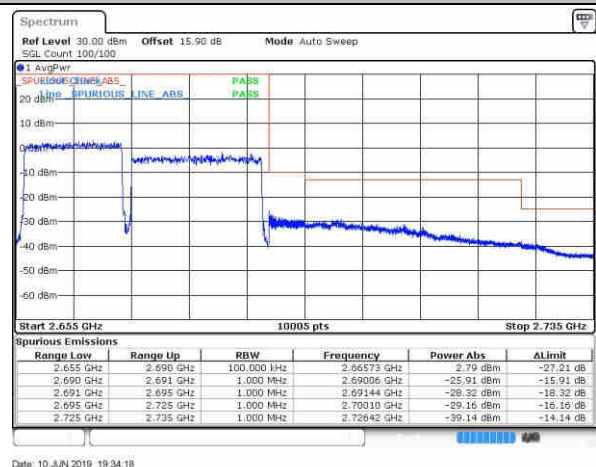
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

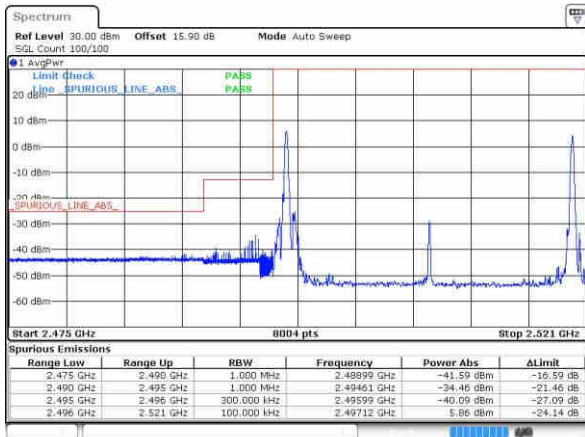




LTE Band 41 / 20MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24



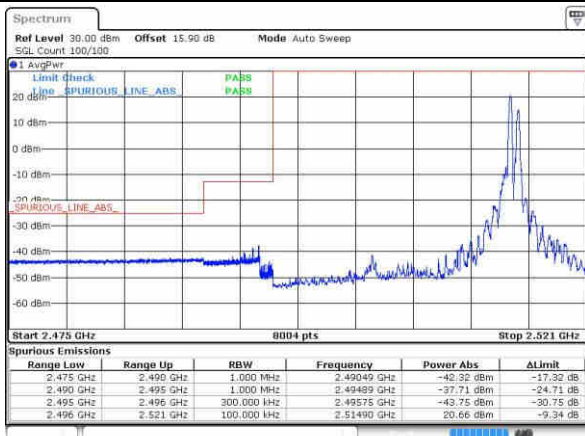
Date: 9 JUN 2019 20:24:58

Highest Band Edge / 1RB0 and 1RB24



Date: 9 JUN 2019 21:03:24

Lowest Band Edge / 1RB99 and 1RB0



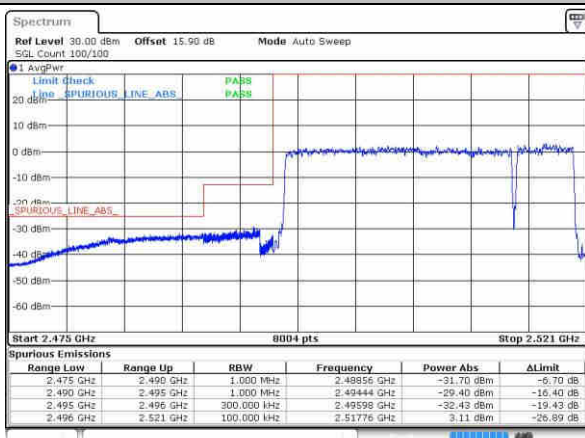
Date: 9 JUN 2019 20:25:44

Highest Band Edge / 1RB99 and 1RB0



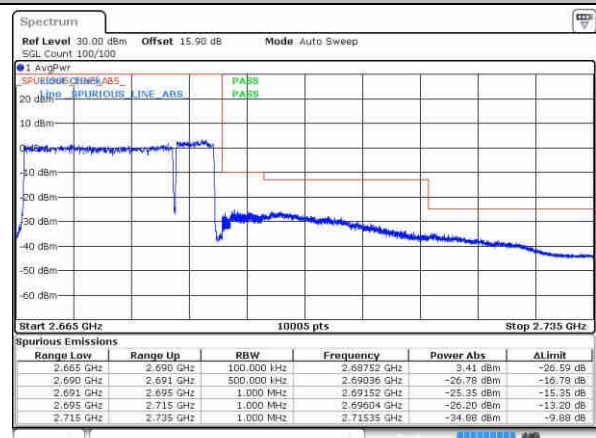
Date: 9 JUN 2019 21:07:28

Lowest Band Edge / Full RB



Date: 10 JUN 2019 20:48:07

Highest Band Edge / Full RB



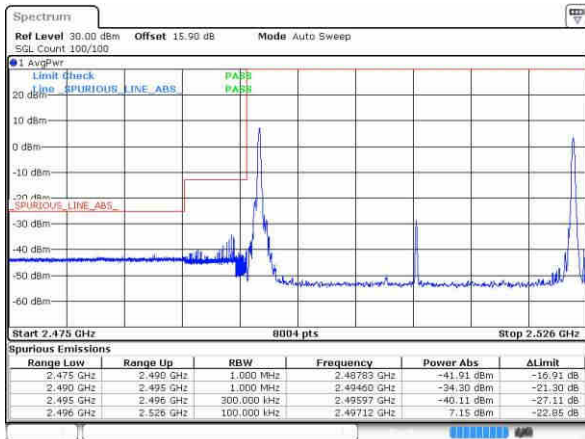
Date: 9 JUN 2019 21:02:35



LTE Band 41 / 20MHz+10MHz

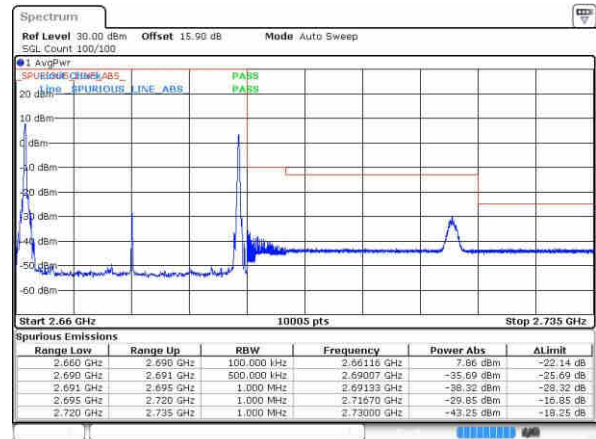
QPSK

Lowest Band Edge / 1RB0 and 1RB49



Date: 9 JUN 2019 21:36:52

Highest Band Edge / 1RB0 and 1RB49



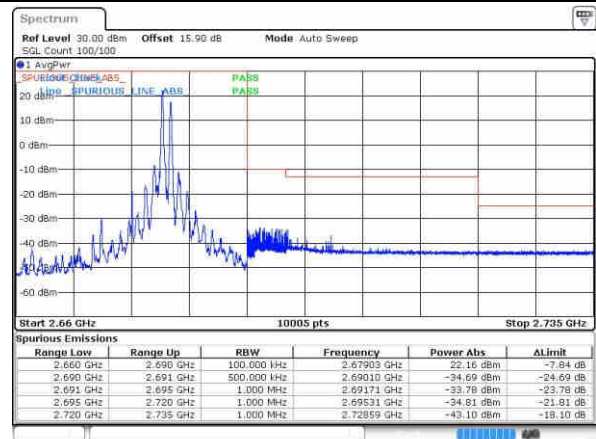
Date: 9 JUN 2019 22:12:53

Lowest Band Edge / 1RB99 and 1RB0



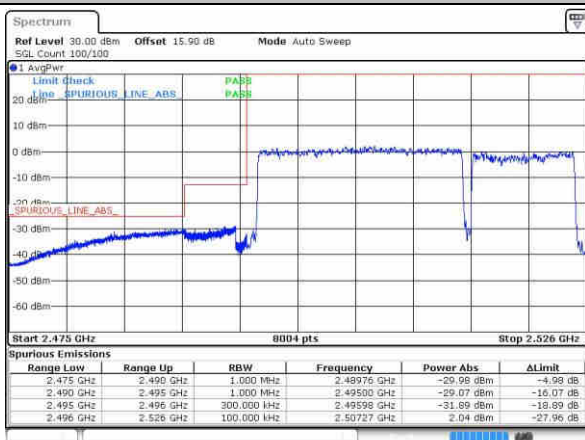
Date: 9 JUN 2019 21:37:40

Highest Band Edge / 1RB99 and 1RB0



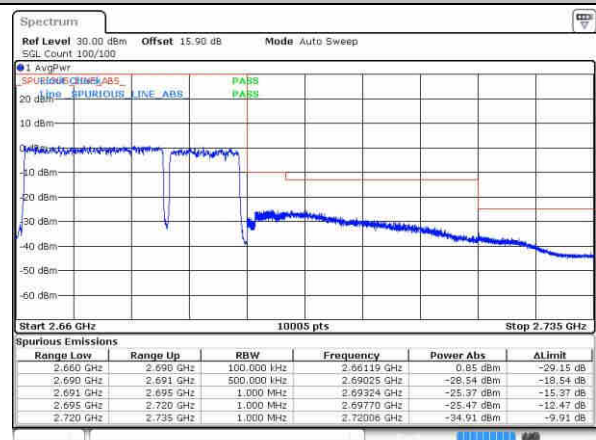
Date: 9 JUN 2019 22:16:58

Lowest Band Edge / Full RB



Date: 10 JUN 2019 20:30:50

Highest Band Edge / Full RB



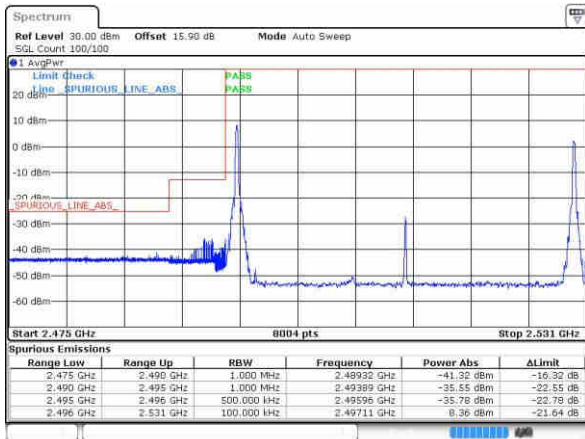
Date: 9 JUN 2019 22:12:05



LTE Band 41 / 20MHz+15MHz

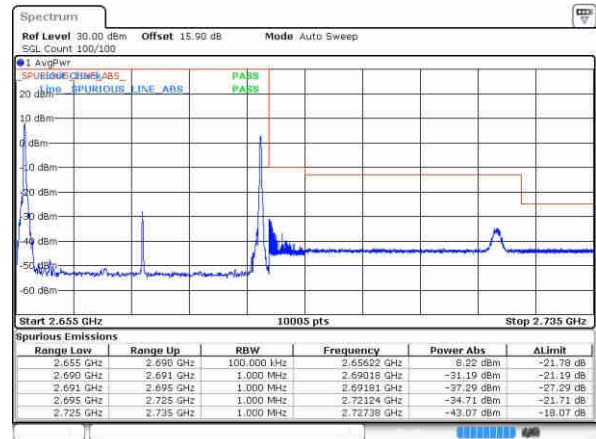
QPSK

Lowest Band Edge / 1RB0 and 1RB74



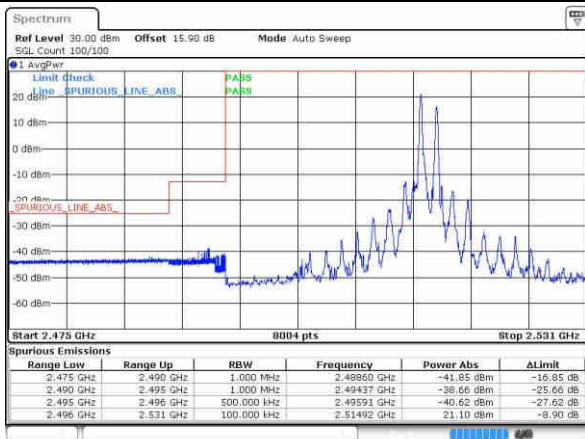
Date: 9 JUN 2019 22:31:49

Highest Band Edge / 1RB0 and 1RB74



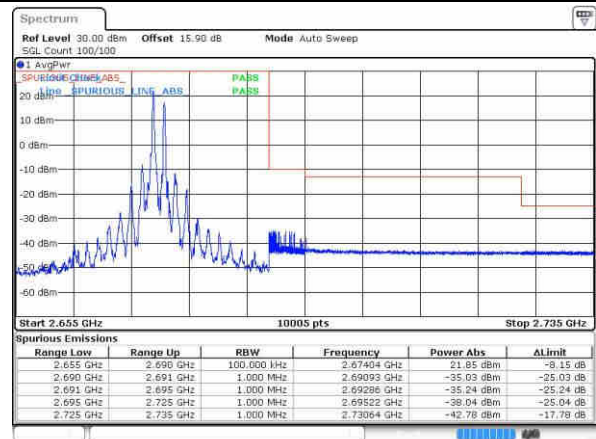
Date: 9 JUN 2019 23:17:14

Lowest Band Edge / 1RB99 and 1RB0



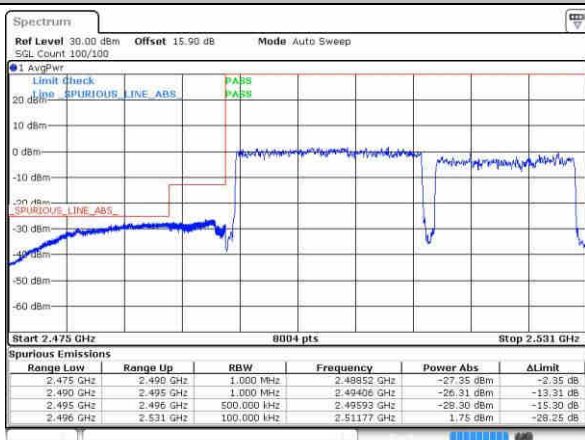
Date: 9 JUN 2019 22:32:37

Highest Band Edge / 1RB99 and 1RB0



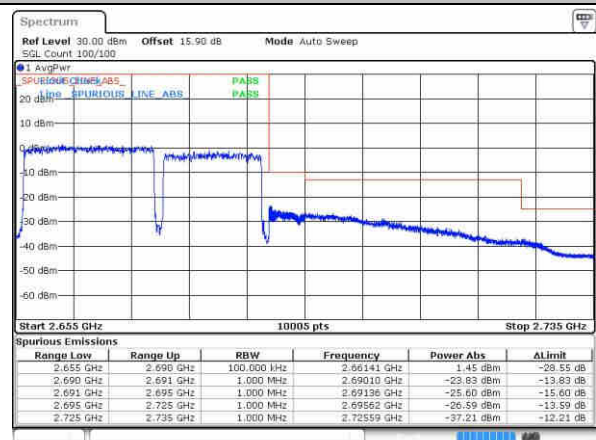
Date: 9 JUN 2019 23:21:16

Lowest Band Edge / Full RB



Date: 9 JUN 2019 22:27:45

Highest Band Edge / Full RB



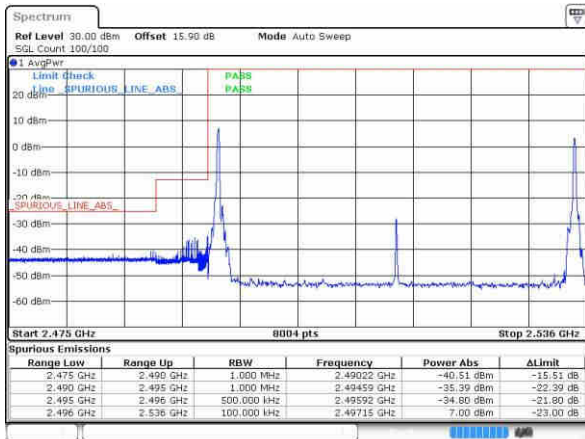
Date: 9 JUN 2019 23:16:25



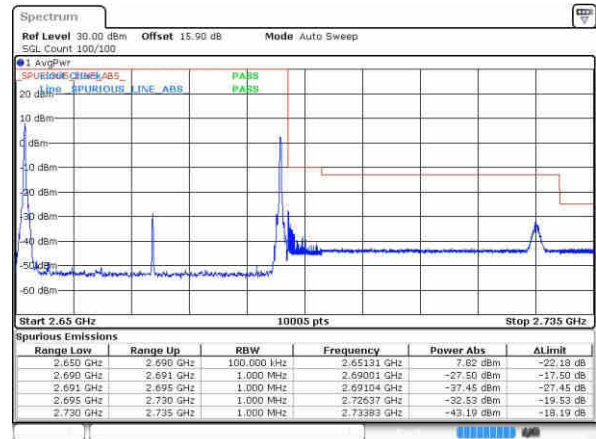
LTE Band 41 / 20MHz+20MHz

QPSK

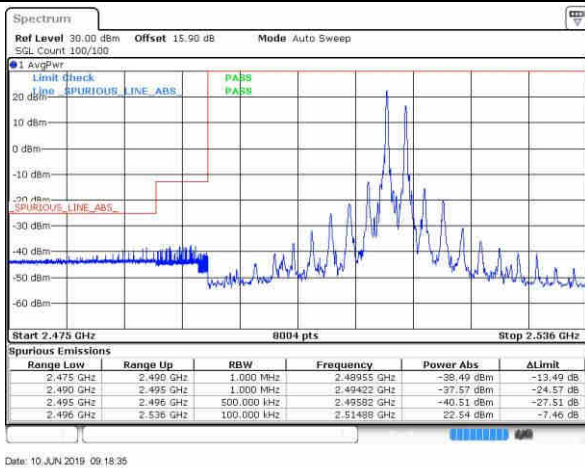
Lowest Band Edge / 1RB0 and 1RB99



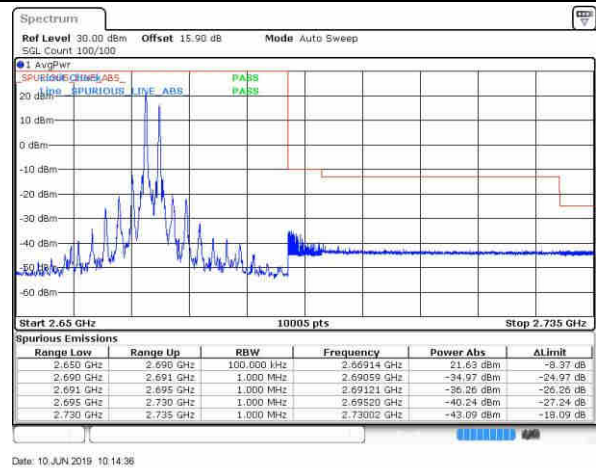
Highest Band Edge / 1RB0 and 1RB99



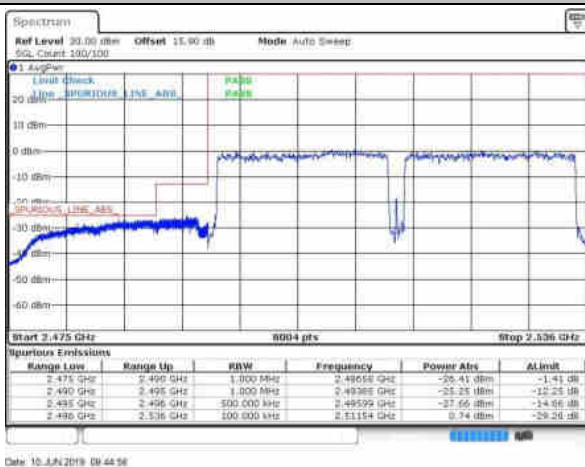
Lowest Band Edge / 1RB99 and 1RB0



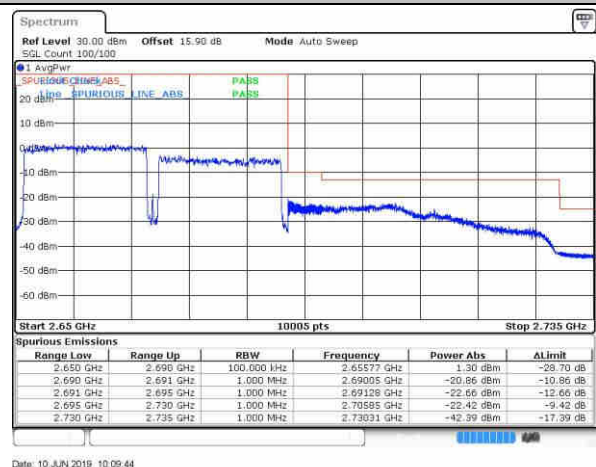
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

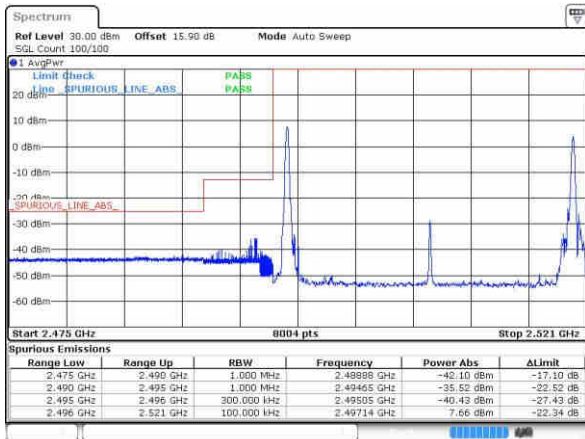




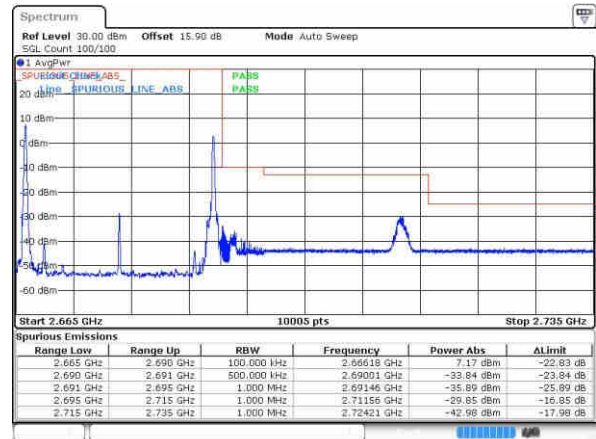
LTE Band 41 / 5MHz+20MHz

16QAM

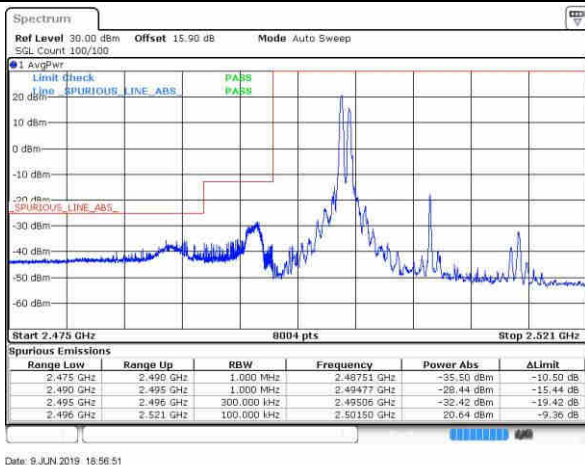
Lowest Band Edge / 1RB0 and 1RB99



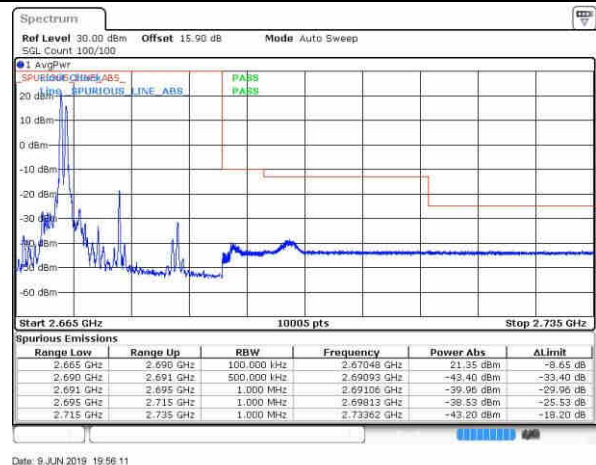
Highest Band Edge / 1RB0 and 1RB99



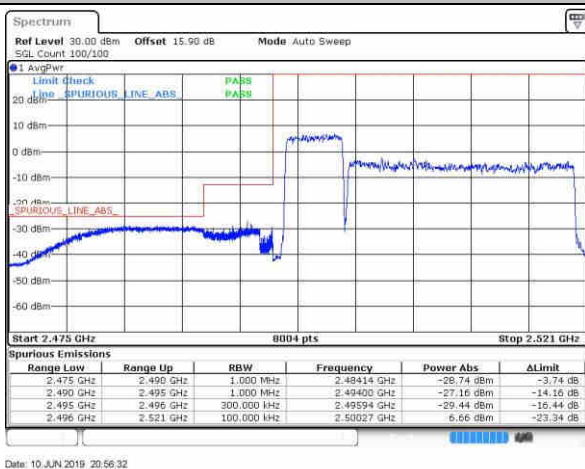
Lowest Band Edge / 1RB24 and 1RB0



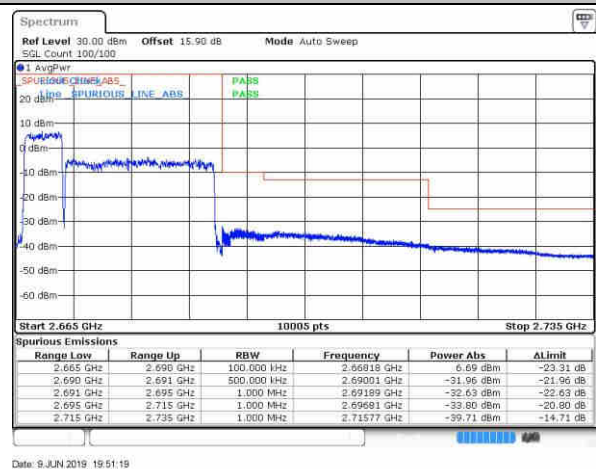
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

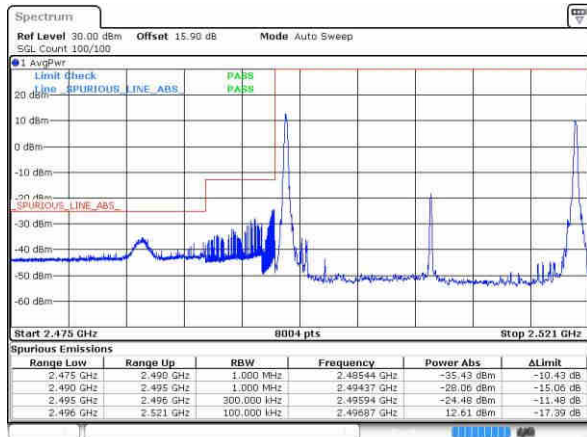




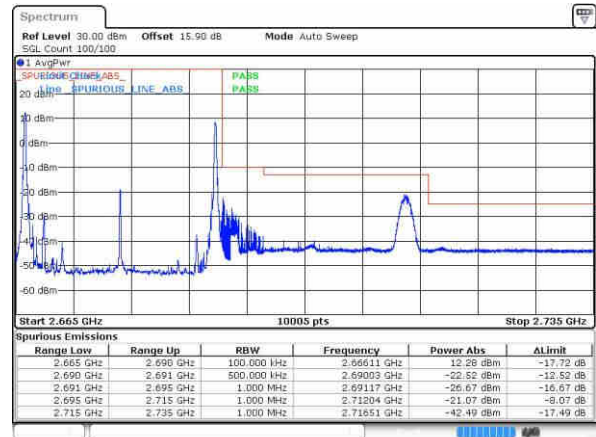
LTE Band 41 / 10MHz+15MHz

16QAM

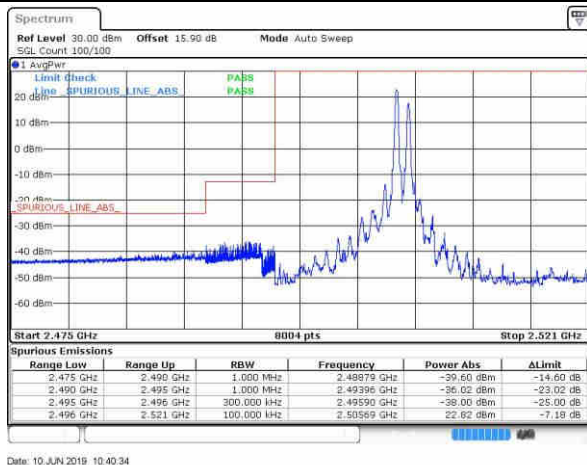
Lowest Band Edge / 1RB0 and 1RB74



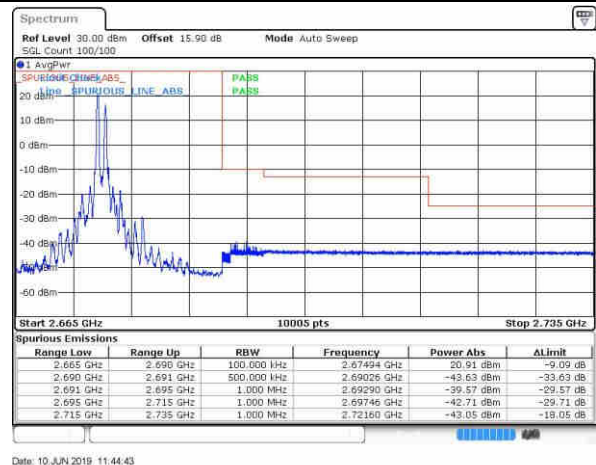
Highest Band Edge / 1RB0 and 1RB74



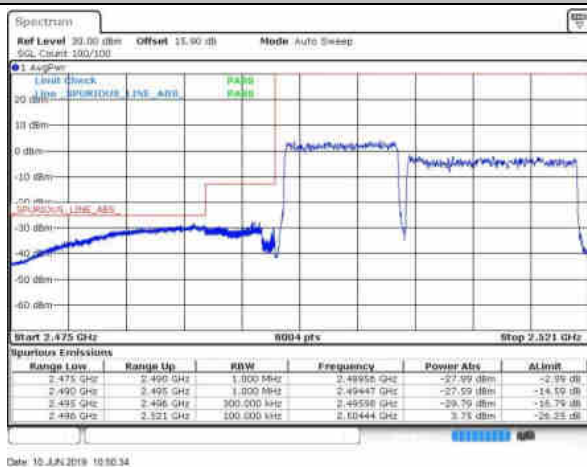
Lowest Band Edge / 1RB49 and 1RB0



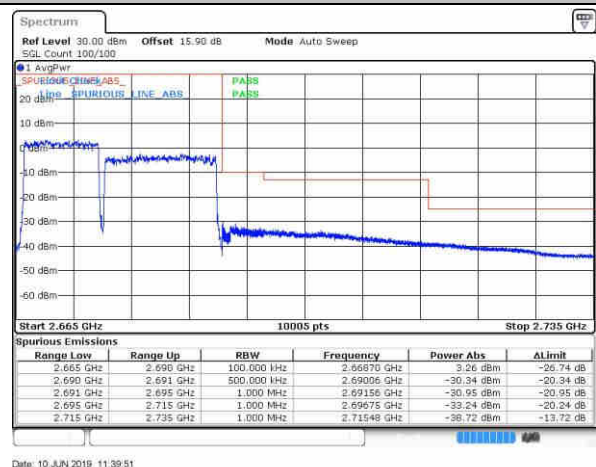
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

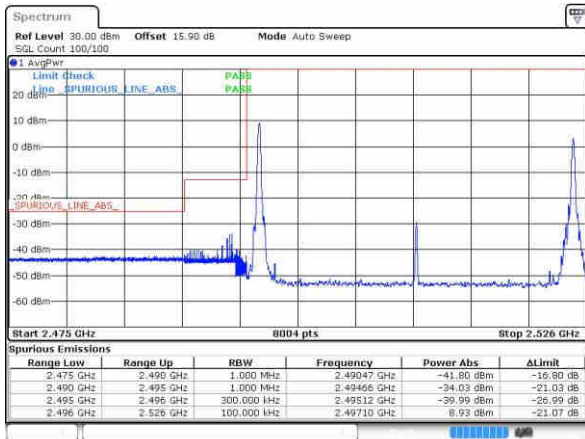




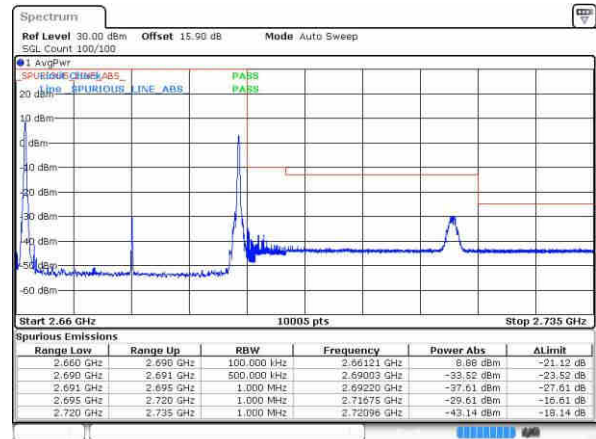
LTE Band 41 / 10MHz+20MHz

16QAM

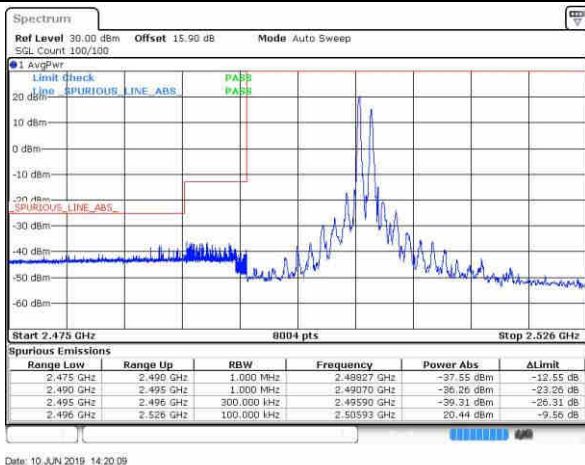
Lowest Band Edge / 1RB0 and 1RB99



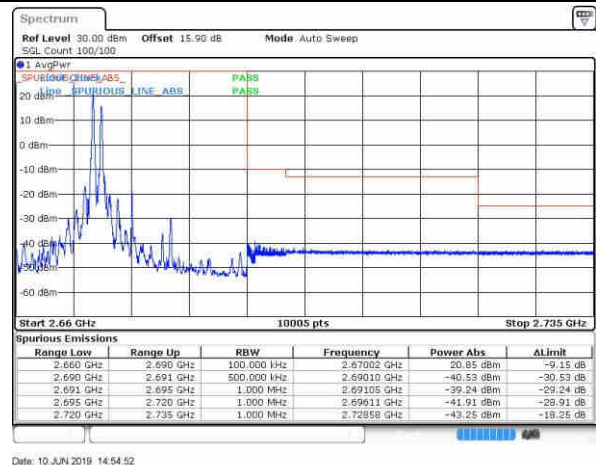
Highest Band Edge / 1RB0 and 1RB99



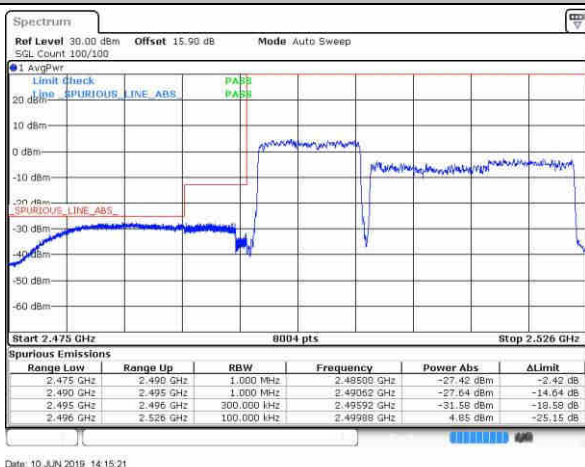
Lowest Band Edge / 1RB49 and 1RB0



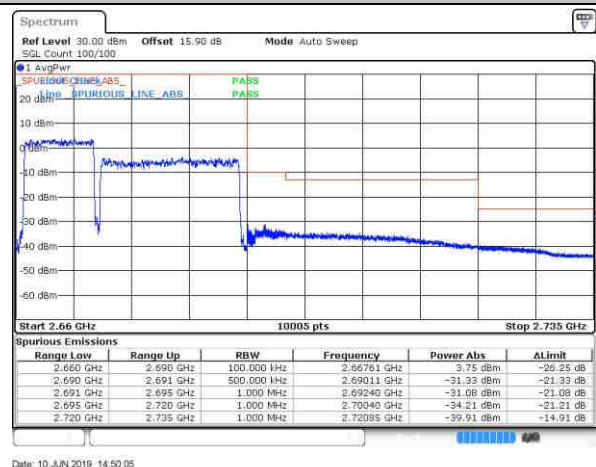
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

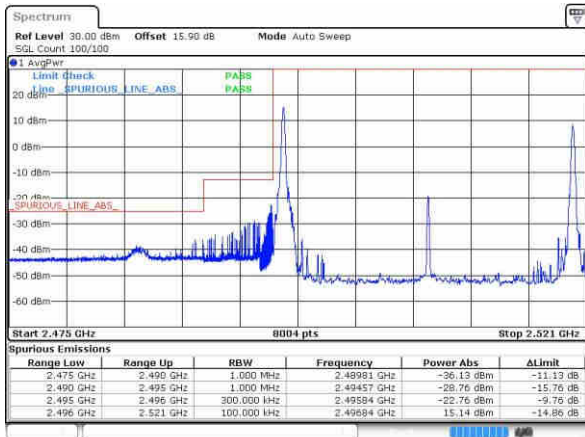




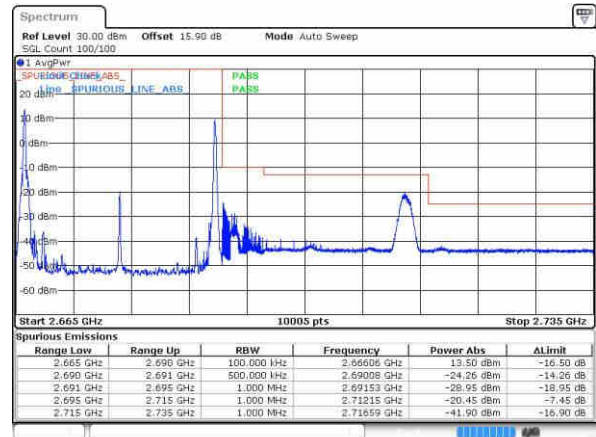
LTE Band 41 / 15MHz+10MHz

16QAM

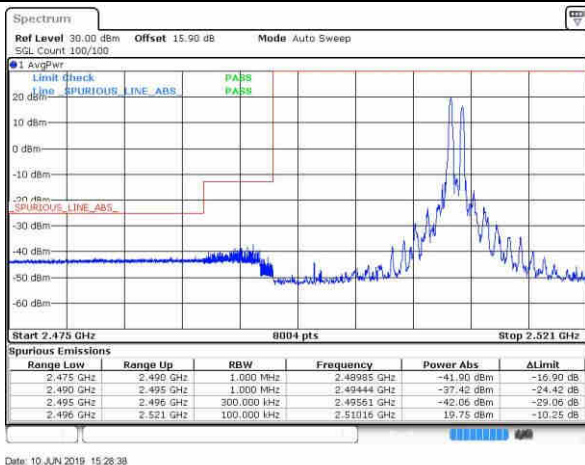
Lowest Band Edge / 1RB0 and 1RB49



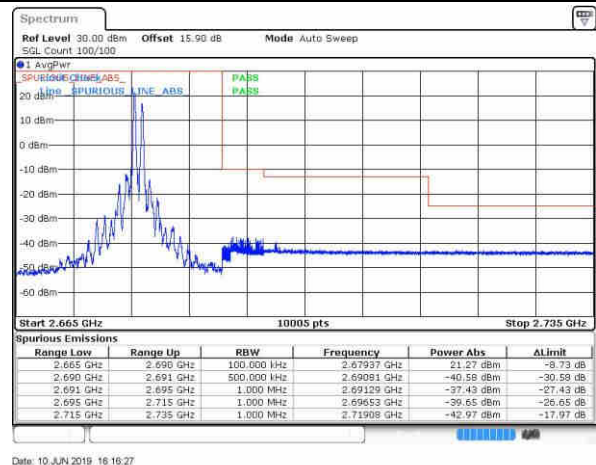
Highest Band Edge / 1RB0 and 1RB49



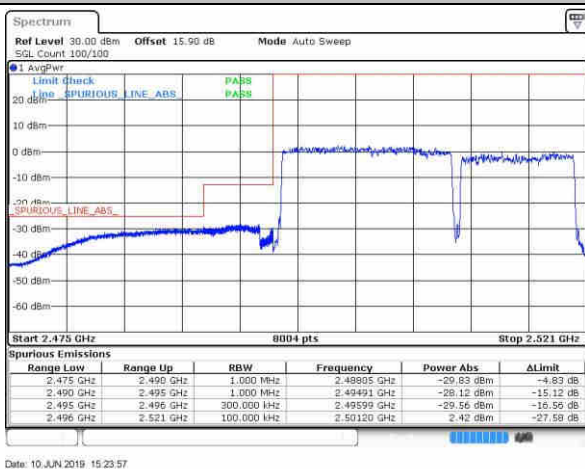
Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

