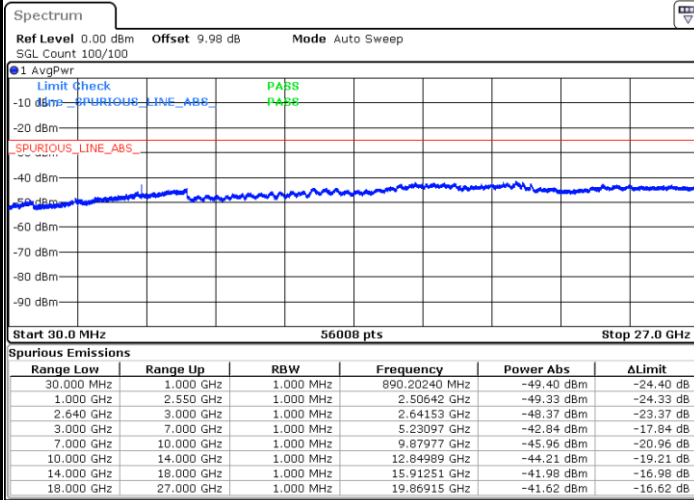




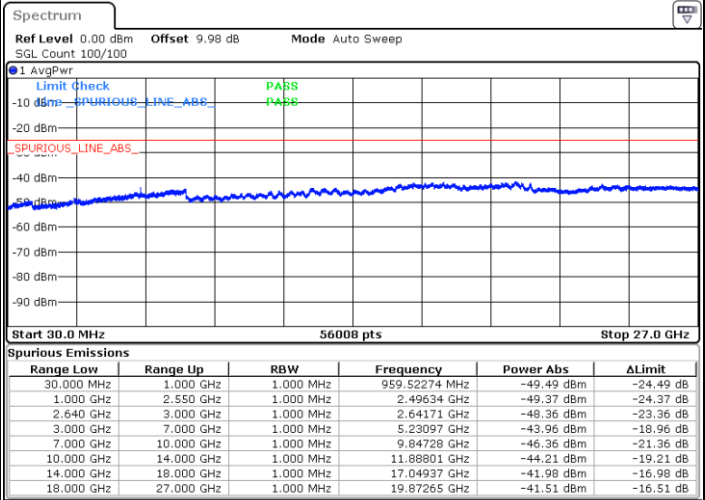
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 2 MAY 2020 17:50:44

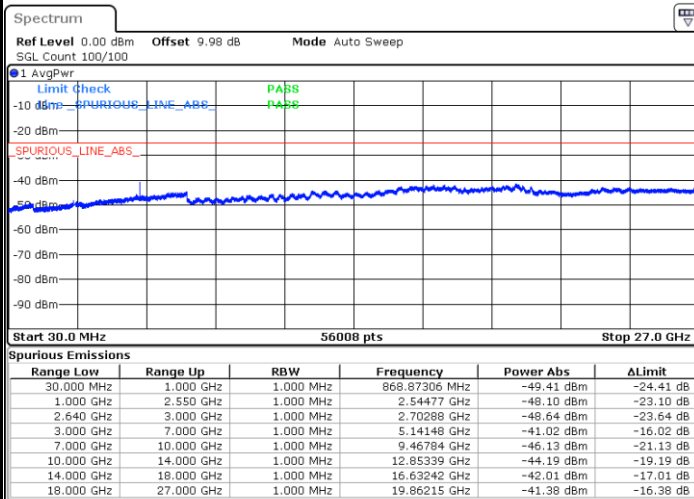
Highest Channel / 16QAM



Date: 2 MAY 2020 17:51:39

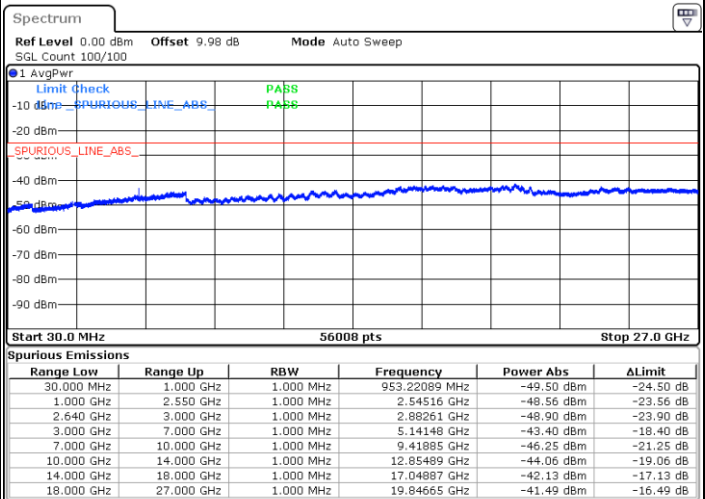
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 2 MAY 2020 17:52:33

Lowest Channel / 16QAM

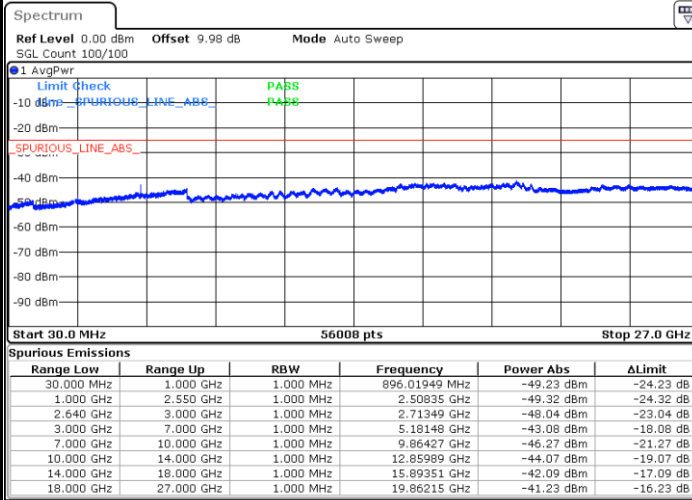


Date: 2 MAY 2020 17:53:28



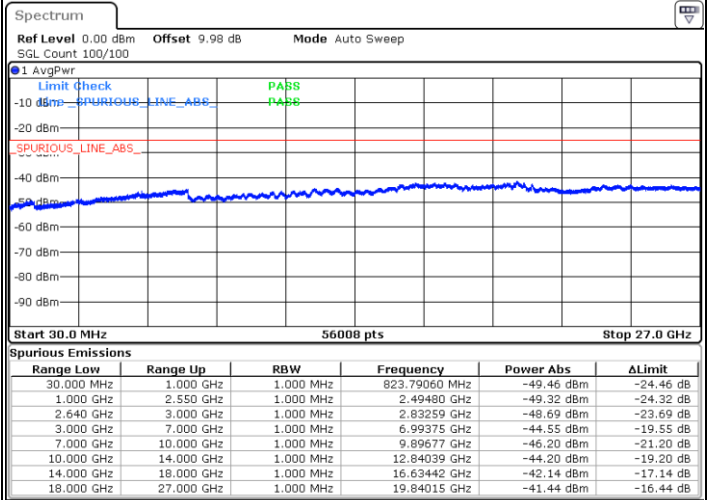
LTE Band 38 / 10MHz

Middle Channel / QPSK



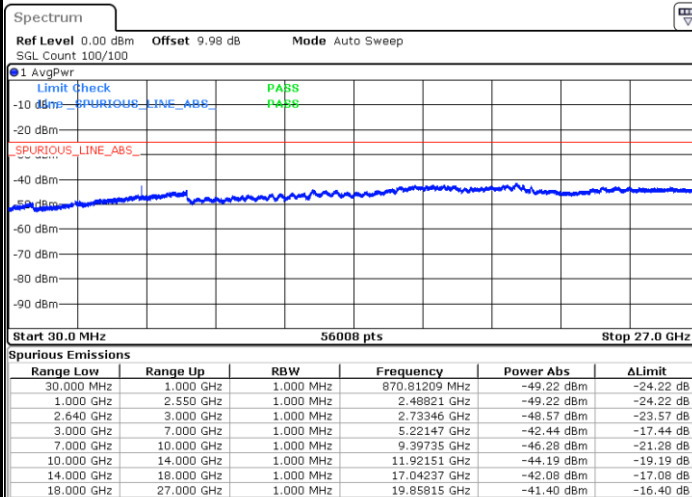
Date: 2 MAY 2020 17:54:23

Middle Channel / 16QAM



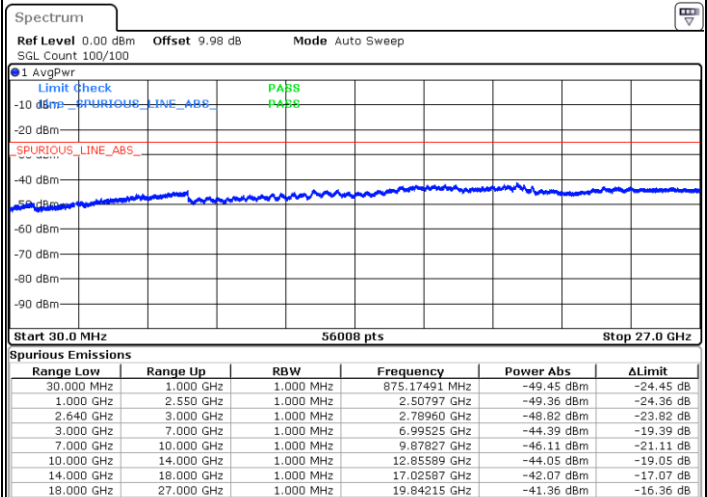
Date: 2 MAY 2020 17:55:18

Highest Channel / QPSK



Date: 2 MAY 2020 17:56:12

Highest Channel / 16QAM

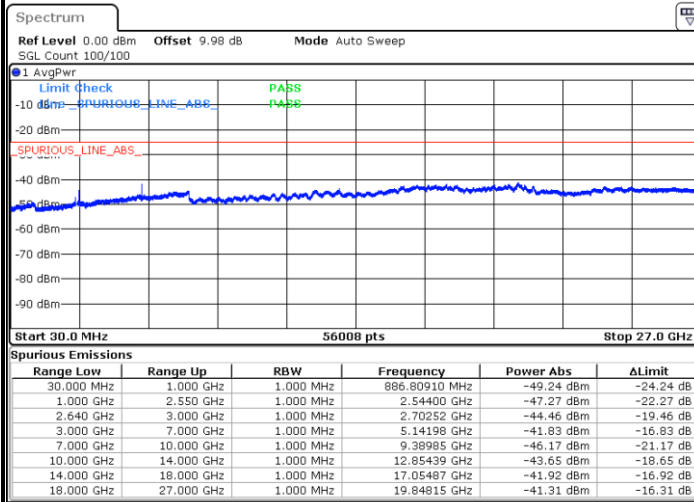


Date: 2 MAY 2020 17:57:07



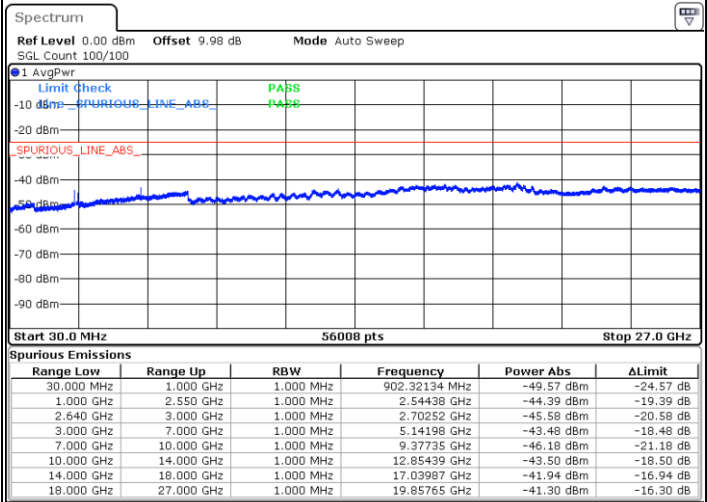
LTE Band 38 / 15MHz

Lowest Channel / QPSK



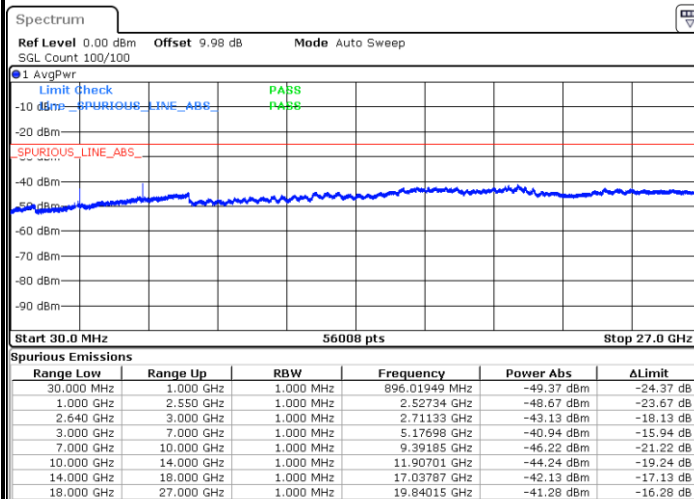
Date: 2 MAY 2020 17:58:02

Lowest Channel / 16QAM



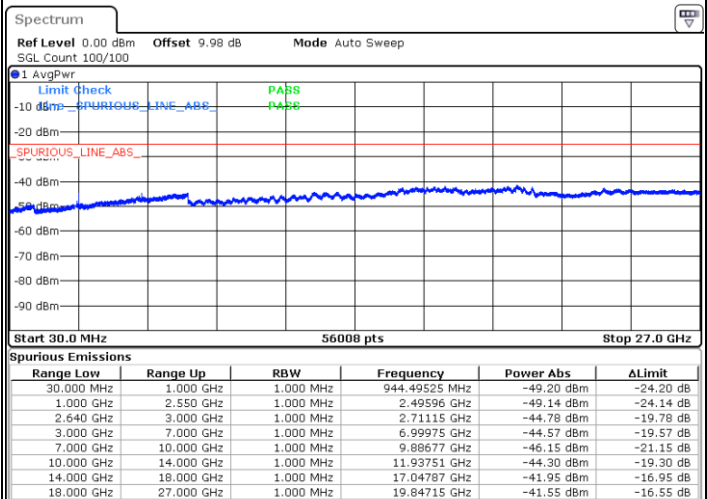
Date: 2 MAY 2020 17:58:56

Middle Channel / QPSK



Date: 2 MAY 2020 17:59:51

Middle Channel / 16QAM

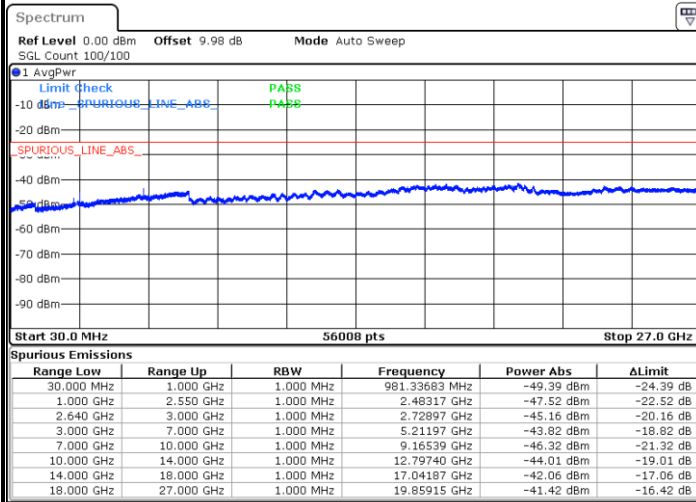


Date: 2 MAY 2020 18:00:46



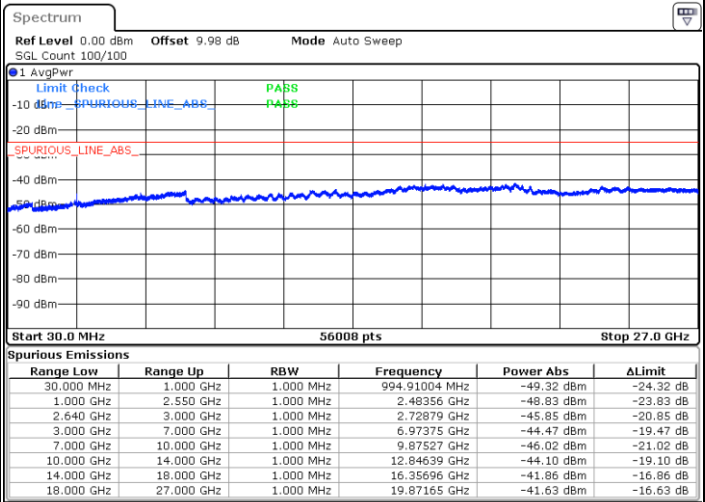
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 2 MAY 2020 18:01:41

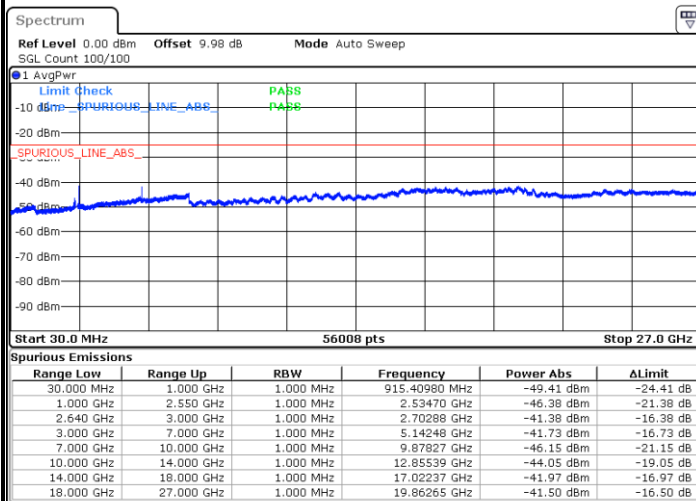
Highest Channel / 16QAM



Date: 2 MAY 2020 18:02:36

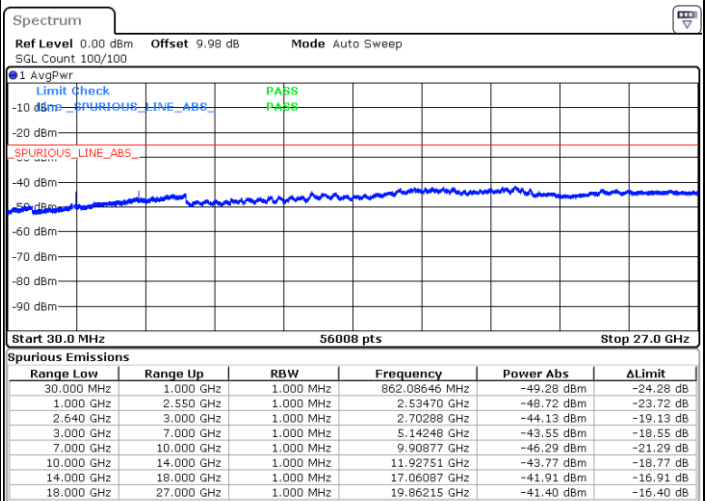
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 2 MAY 2020 18:03:30

Lowest Channel / 16QAM

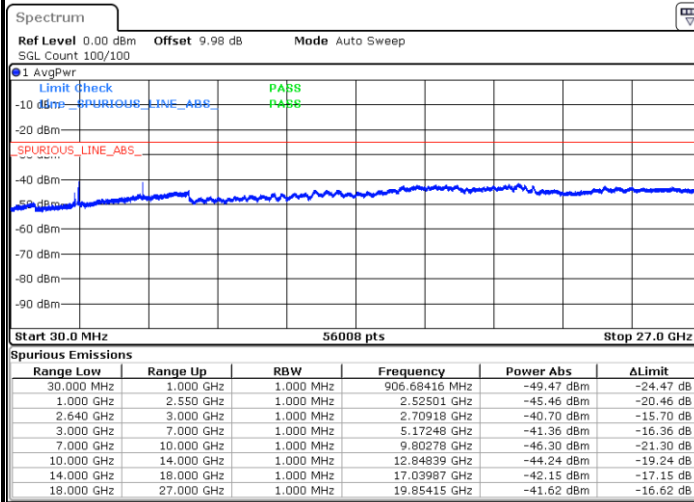


Date: 2 MAY 2020 18:04:25



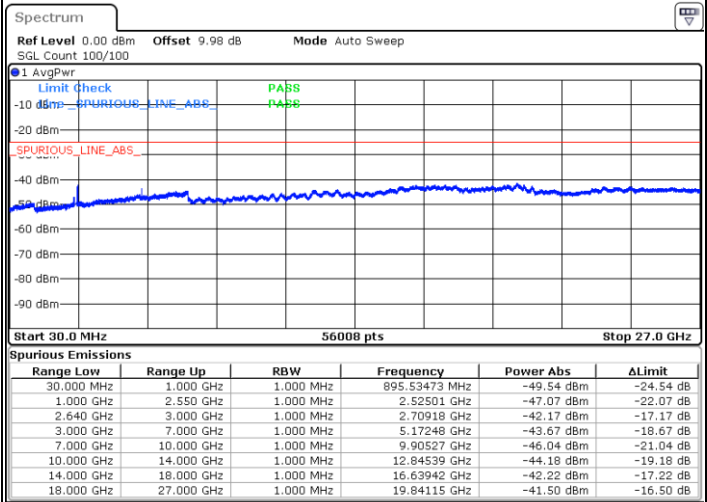
LTE Band 38 / 20MHz

Middle Channel / QPSK



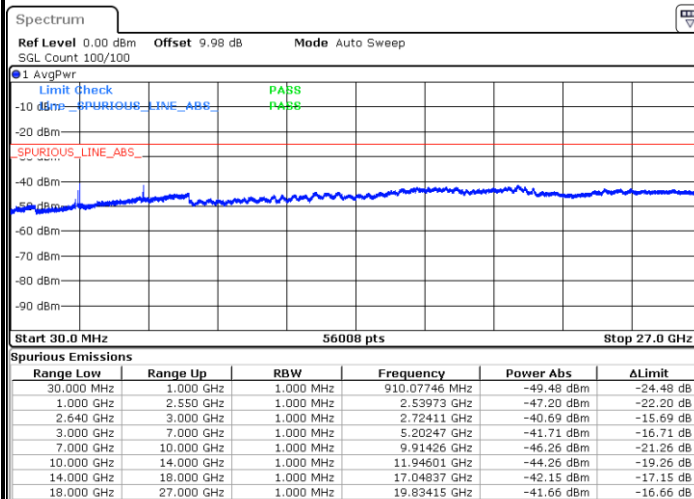
Date: 2 MAY 2020 18:05:20

Middle Channel / 16QAM



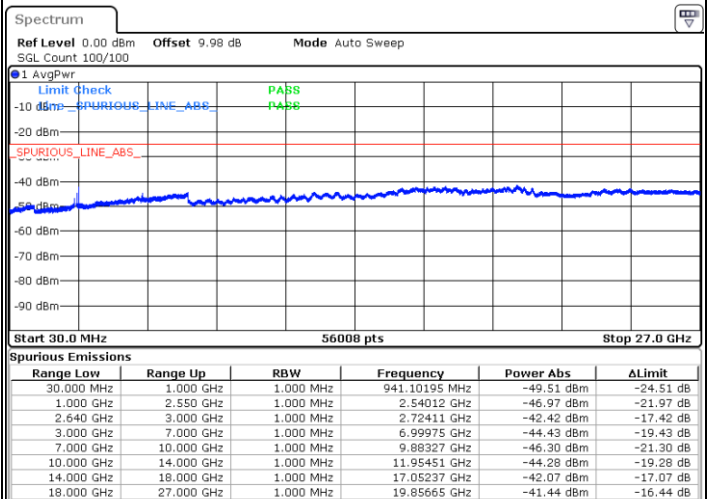
Date: 2 MAY 2020 18:06:15

Highest Channel / QPSK



Date: 2 MAY 2020 18:07:10

Highest Channel / 16QAM



Date: 2 MAY 2020 18:08:04

**Frequency Stability**

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



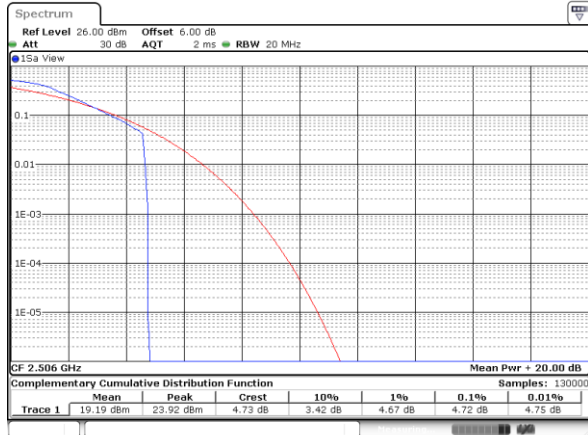
LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.72	6.06	5.94	6.03	PASS
Middle CH	5.94	5.48	6.00	6.67	
Highest CH	4.64	6.29	5.45	6.67	

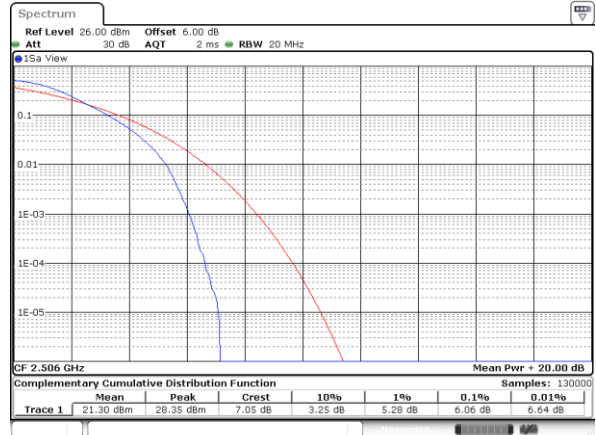
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



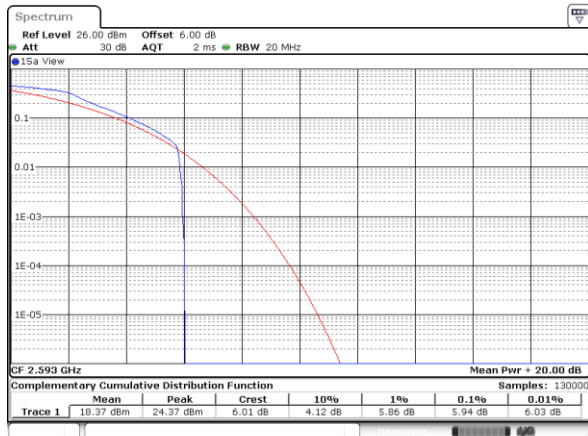
Date: 2 MAY 2020 15:26:47

Lowest Channel / Full RB



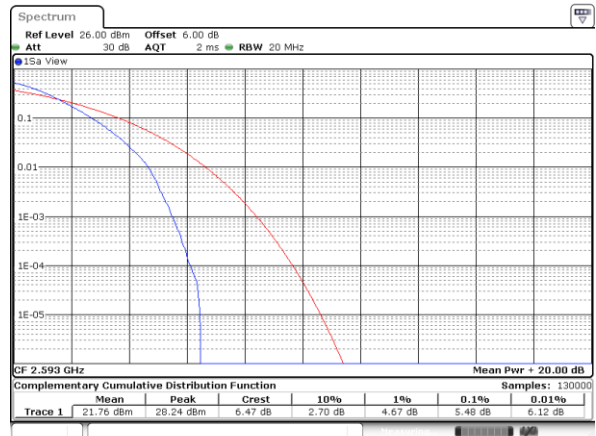
Date: 2 MAY 2020 15:18:54

Middle Channel / 1RB



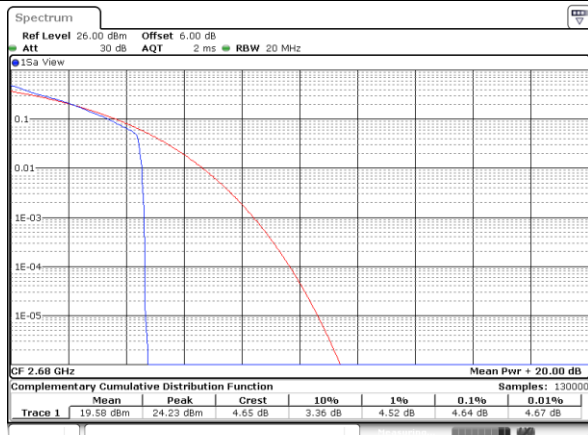
Date: 2 MAY 2020 15:28:13

Middle Channel / Full RB



Date: 2 MAY 2020 15:19:47

Highest Channel / 1RB

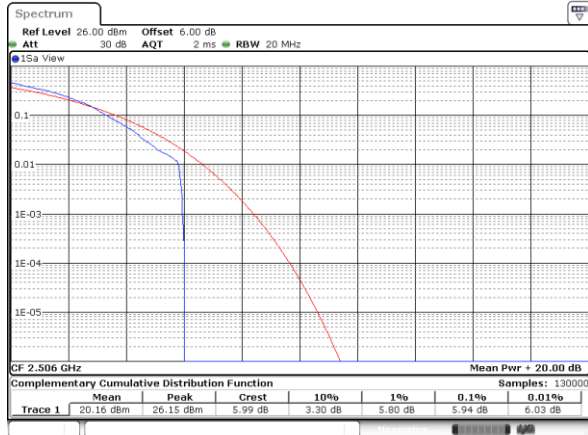


Date: 2 MAY 2020 15:33:34

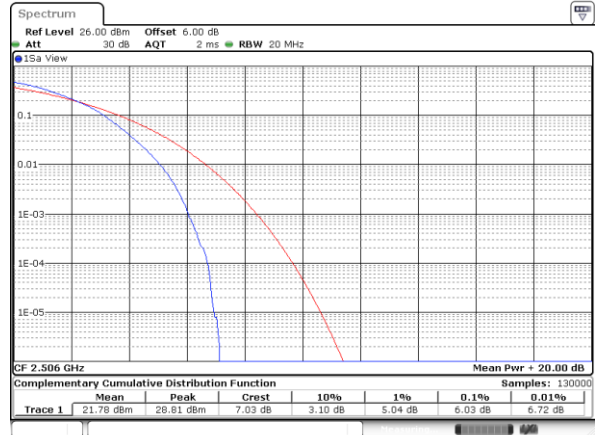
Highest Channel / Full RB



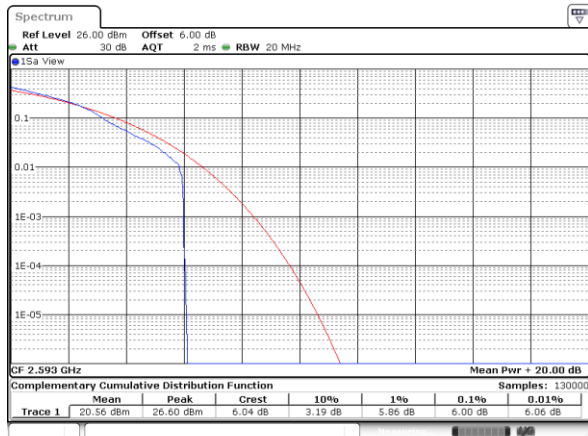
Date: 2 MAY 2020 15:20:51

LTE Band 41 / 20MHz / 16QAM
Lowest Channel / 1RB


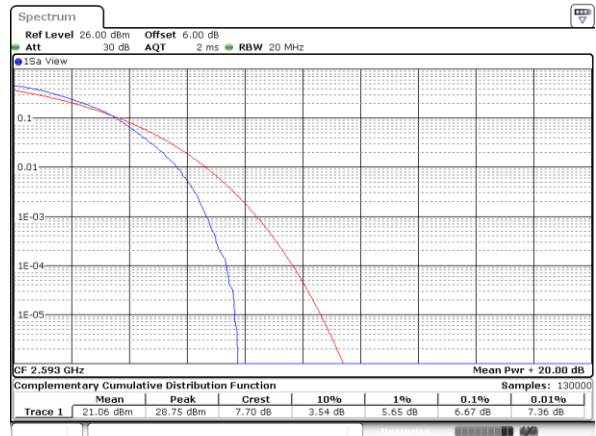
Date: 2 MAY 2020 15:27:33

Lowest Channel / Full RB


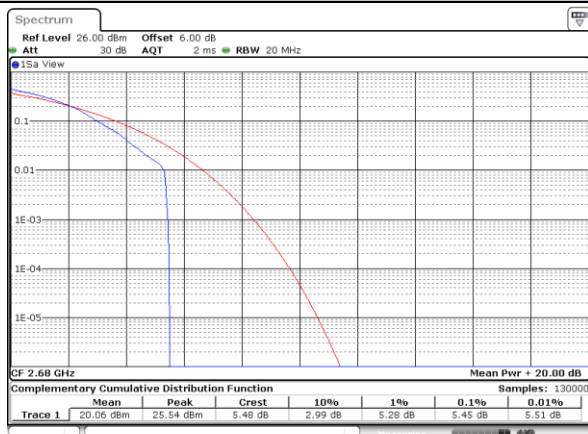
Date: 2 MAY 2020 15:19:11

Middle Channel / 1RB


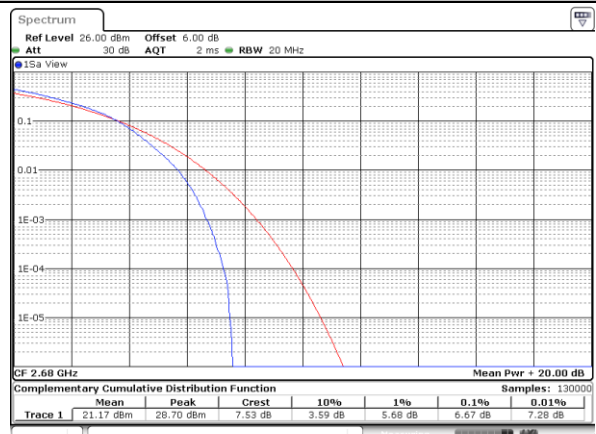
Date: 2 MAY 2020 15:28:30

Middle Channel / Full RB


Date: 2 MAY 2020 15:20:01

Highest Channel / 1RB


Date: 2 MAY 2020 15:33:52

Highest Channel / Full RB


Date: 2 MAY 2020 15:21:05

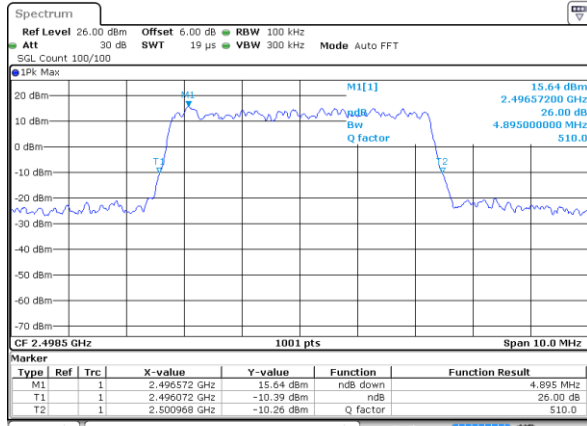
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.90	4.87	9.81	9.79	14.36	14.12	20.10	20.14
Middle CH	-	-	-	-	4.86	4.77	9.65	9.71	14.54	14.09	20.14	20.18
Highest CH	-	-	-	-	4.84	4.89	9.71	9.79	14.12	14.15	20.14	20.02



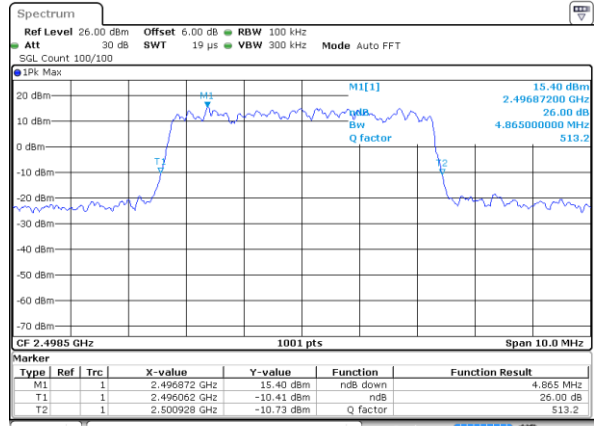
LTE Band 41

Lowest Channel / 5MHz / QPSK



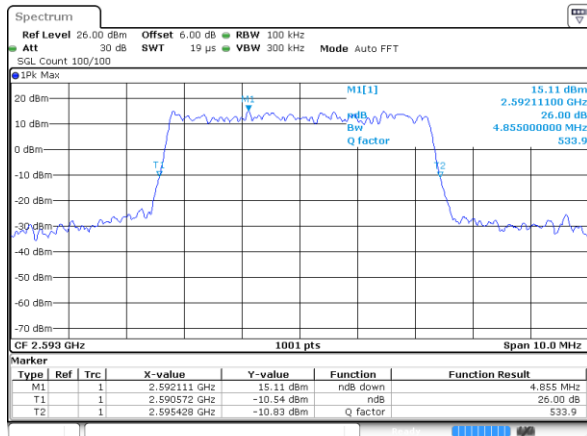
Date: 2 MAY 2020 15:04:46

Lowest Channel / 5MHz / 16QAM



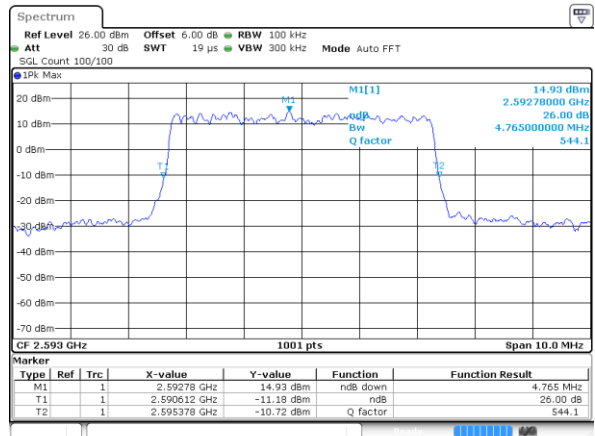
Date: 2 MAY 2020 15:05:06

Middle Channel / 5MHz / QPSK



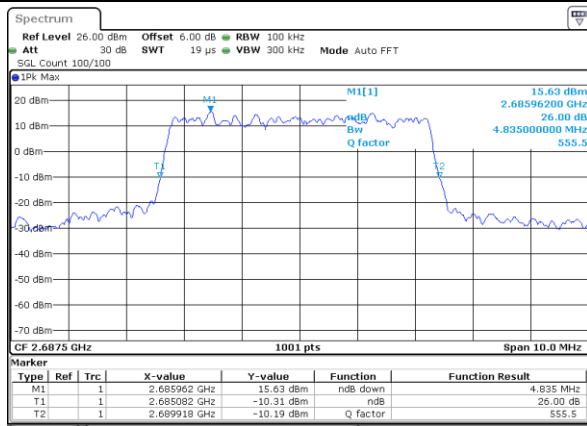
Date: 2 MAY 2020 15:05:46

Middle Channel / 5MHz / 16QAM



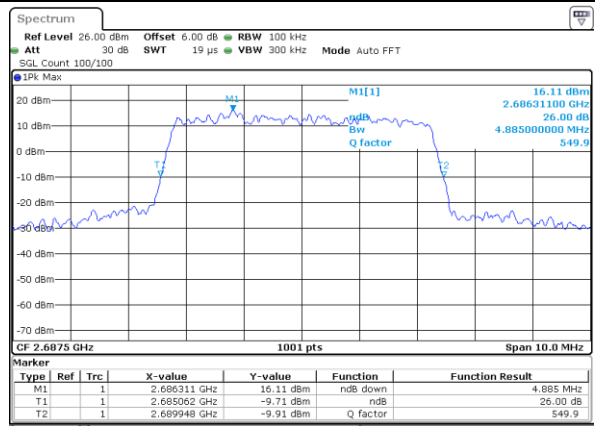
Date: 2 MAY 2020 15:06:07

Highest Channel / 5MHz / QPSK



Date: 2 MAY 2020 15:06:47

Highest Channel / 5MHz / 16QAM

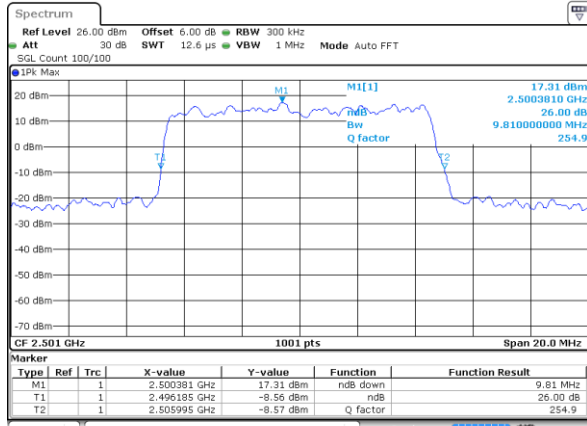


Date: 2 MAY 2020 15:07:07

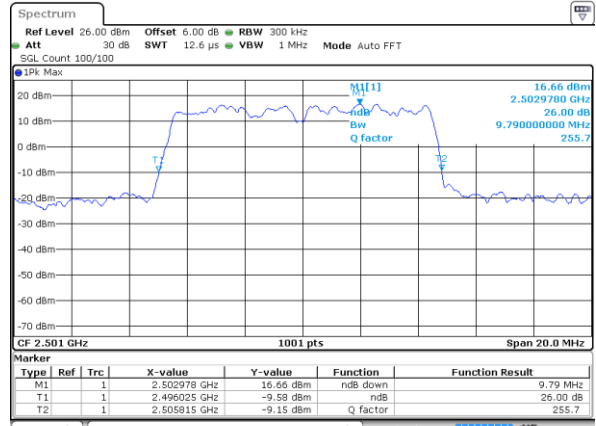


LTE Band 41

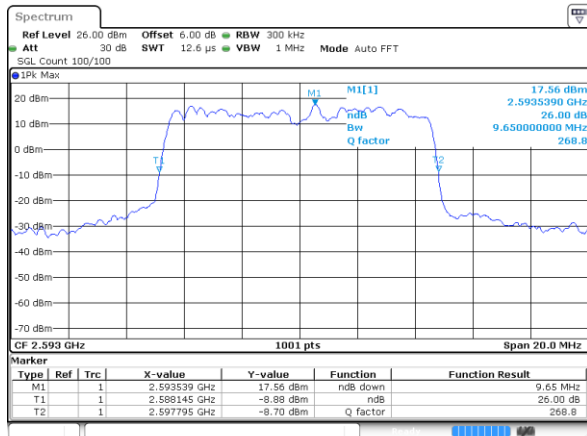
Lowest Channel / 10MHz / QPSK



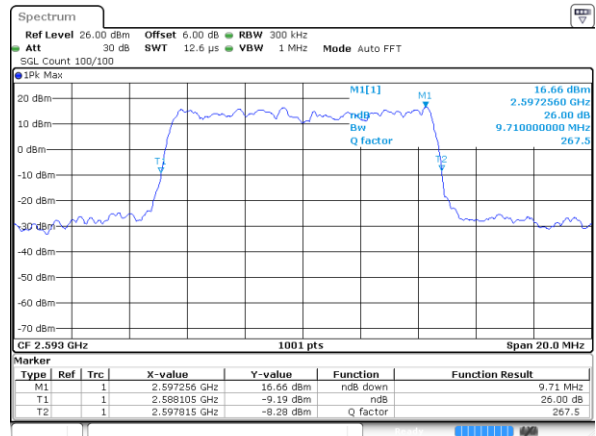
Lowest Channel / 10MHz / 16QAM



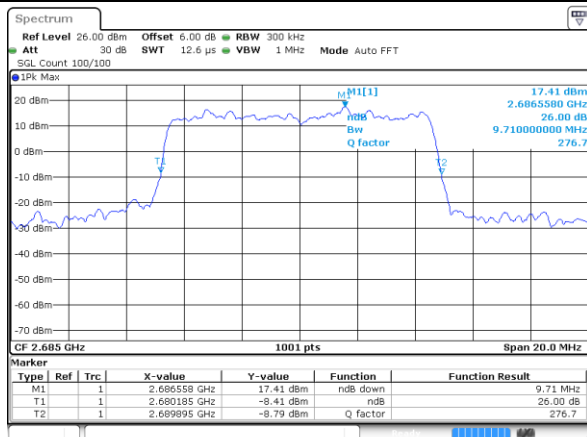
Middle Channel / 10MHz / QPSK



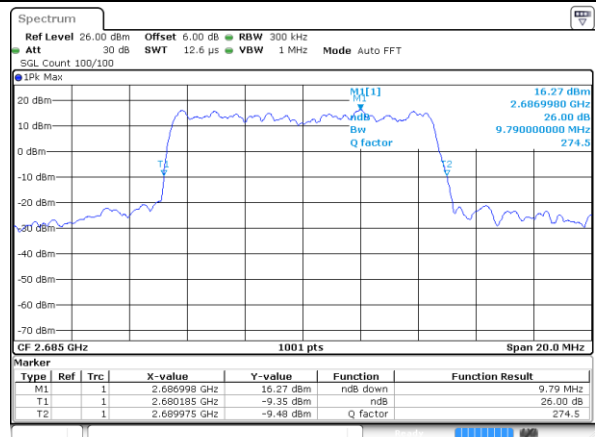
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



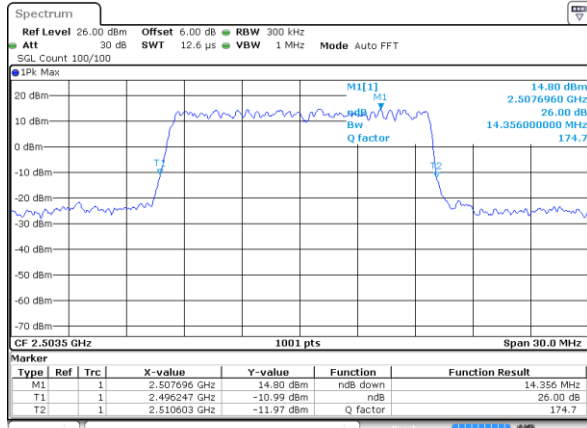
Highest Channel / 10MHz / 16QAM





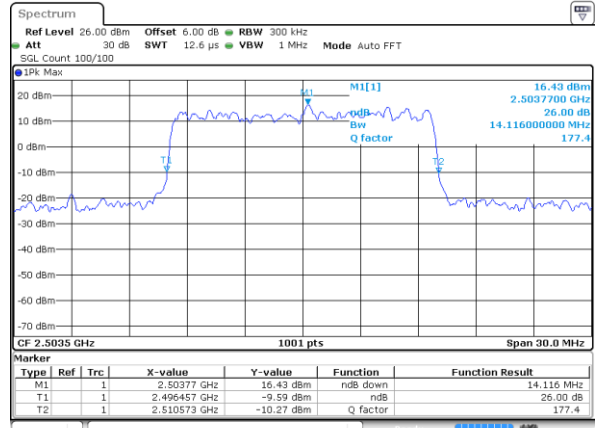
LTE Band 41

Lowest Channel / 15MHz / QPSK



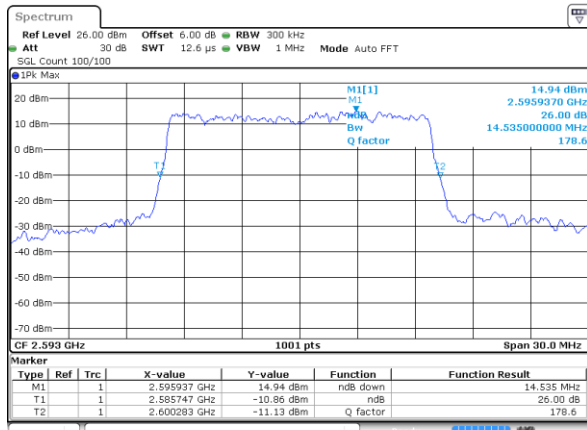
Date: 2 MAY 2020 15:10:48

Lowest Channel / 15MHz / 16QAM



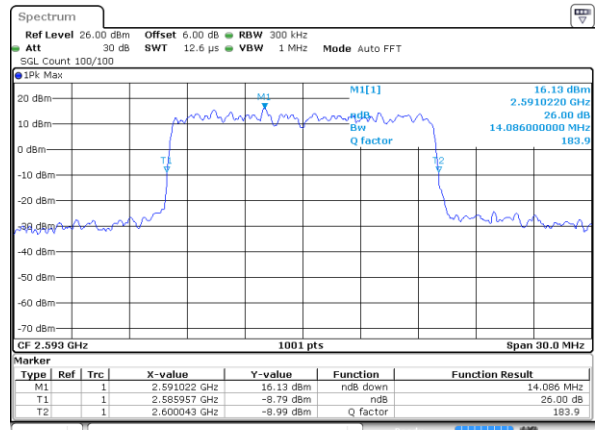
Date: 2 MAY 2020 15:11:08

Middle Channel / 15MHz / QPSK



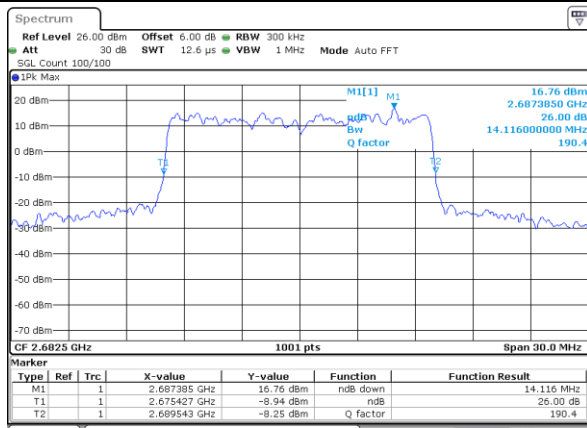
Date: 2 MAY 2020 15:11:48

Middle Channel / 15MHz / 16QAM



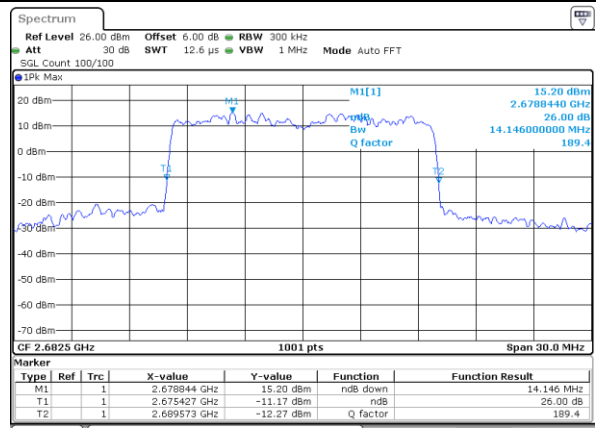
Date: 2 MAY 2020 15:12:08

Highest Channel / 15MHz / QPSK



Date: 2 MAY 2020 15:12:48

Highest Channel / 15MHz / 16QAM

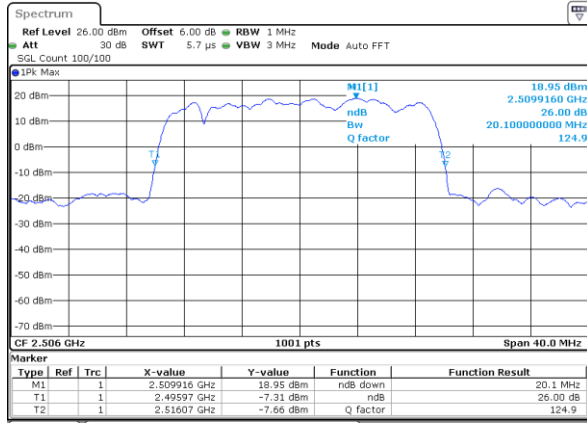


Date: 2 MAY 2020 15:13:08



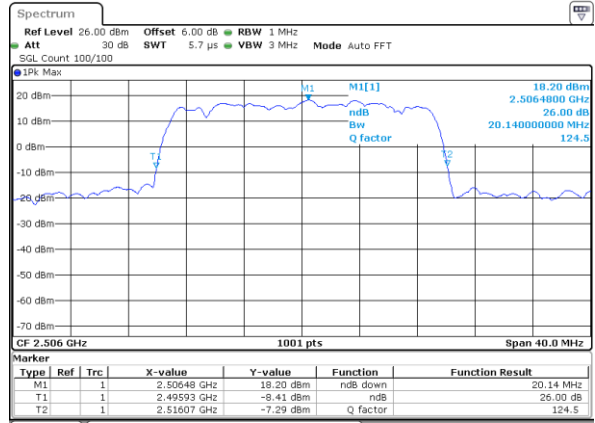
LTE Band 41

Lowest Channel / 20MHz / QPSK



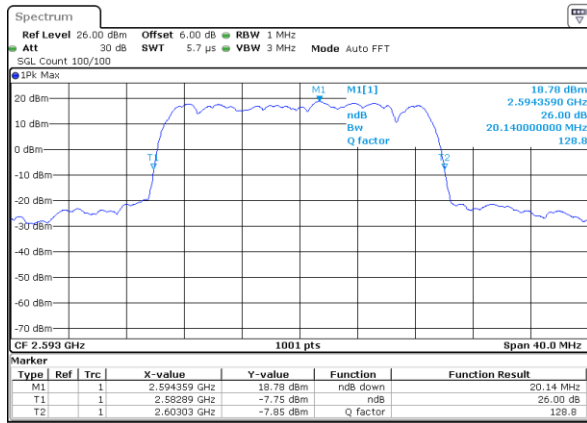
Date: 2 MAY 2020 15:13:48

Lowest Channel / 20MHz / 16QAM



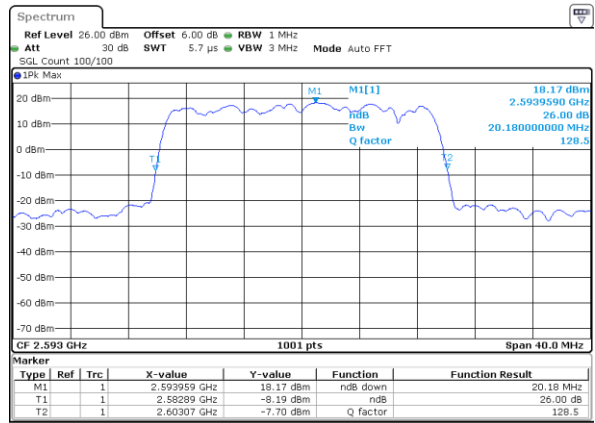
Date: 2 MAY 2020 15:14:09

Middle Channel / 20MHz / QPSK



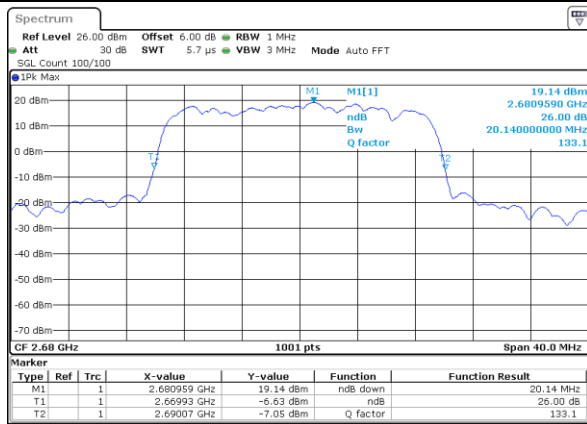
Date: 2 MAY 2020 15:14:49

Middle Channel / 20MHz / 16QAM



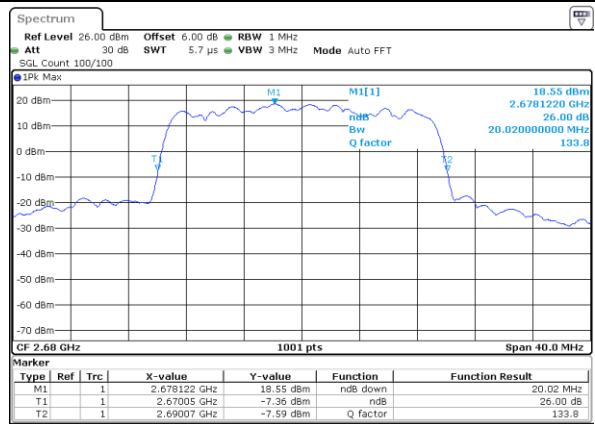
Date: 2 MAY 2020 15:15:09

Highest Channel / 20MHz / QPSK



Date: 2 MAY 2020 15:15:49

Highest Channel / 20MHz / 16QAM



Date: 2 MAY 2020 15:16:09

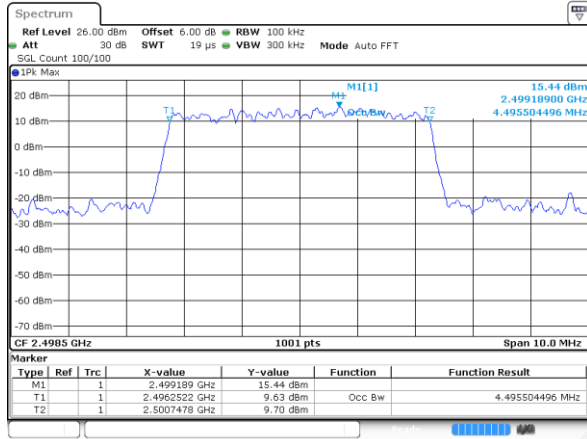
**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.49	9.03	8.99	13.40	13.40	18.26	18.30
Middle CH	-	-	-	-	4.48	4.51	9.05	9.07	13.46	13.49	18.38	18.46
Highest CH	-	-	-	-	4.48	4.50	9.01	8.99	13.37	13.40	18.38	18.34

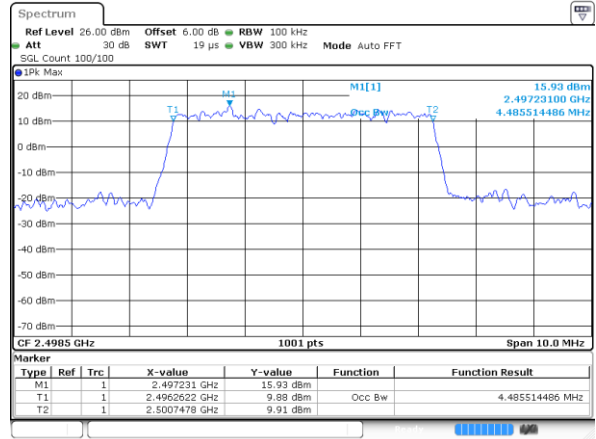


LTE Band 41

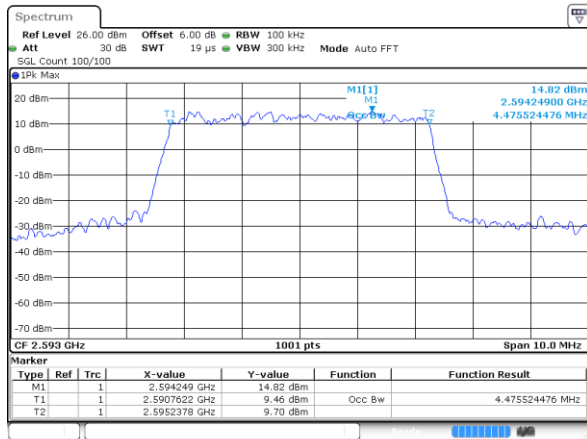
Lowest Channel / 5MHz / QPSK



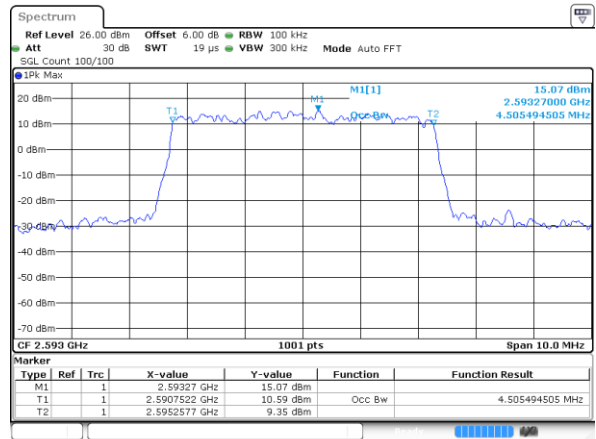
Lowest Channel / 5MHz / 16QAM



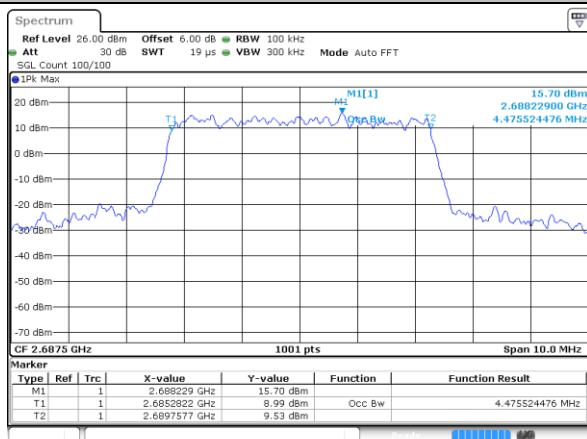
Middle Channel / 5MHz / QPSK



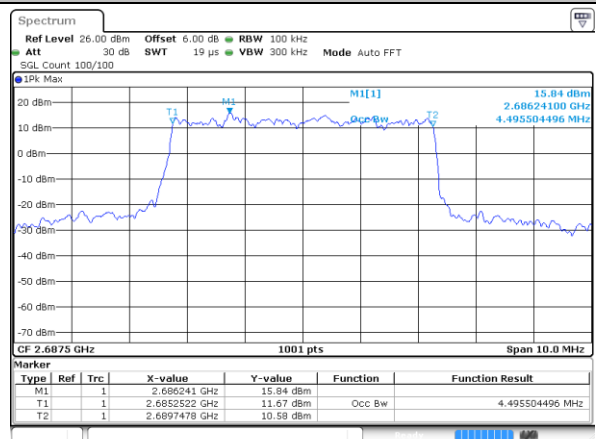
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



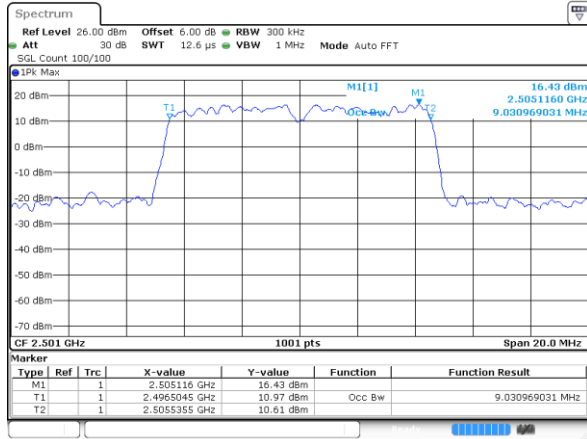
Highest Channel / 5MHz / 16QAM



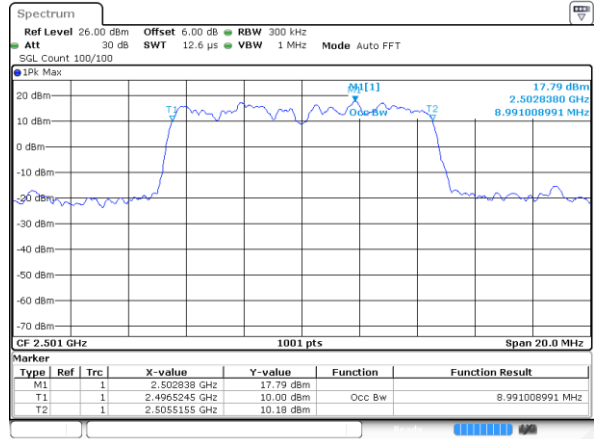


LTE Band 41

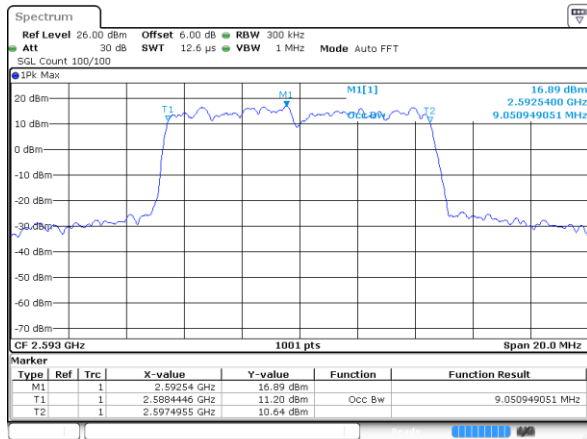
Lowest Channel / 10MHz / QPSK



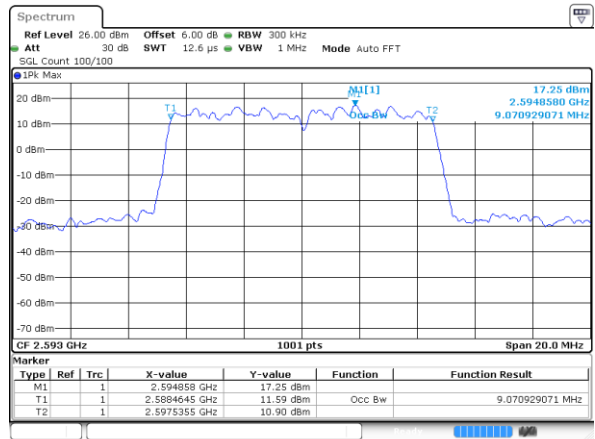
Lowest Channel / 10MHz / 16QAM



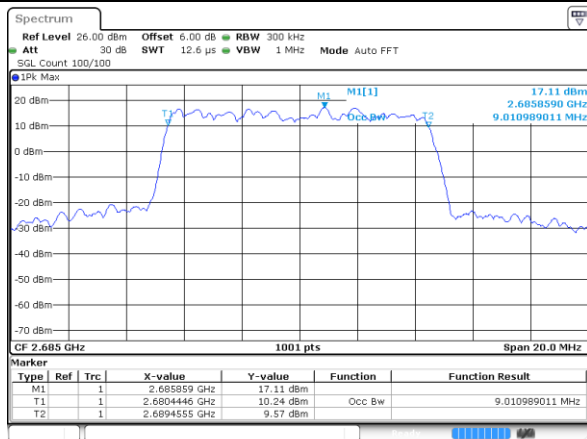
Middle Channel / 10MHz / QPSK



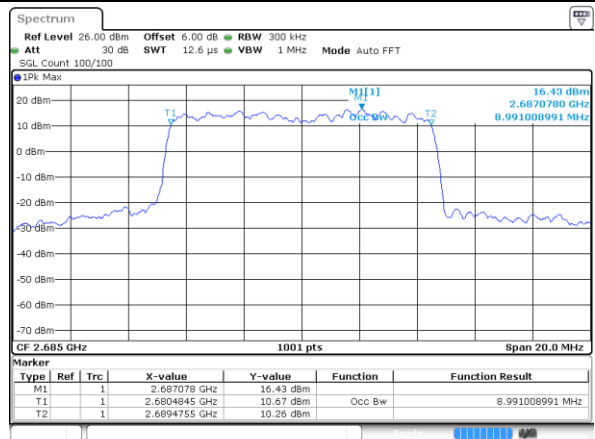
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



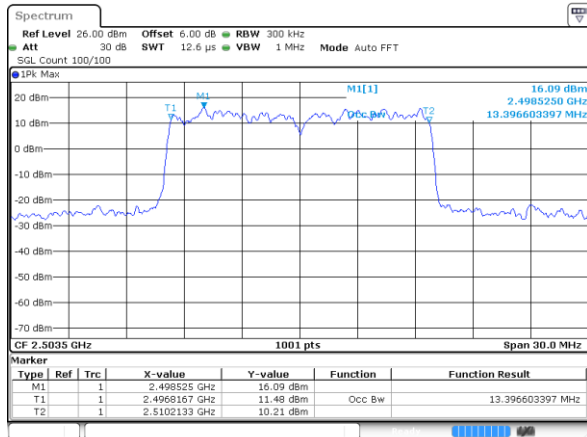
Highest Channel / 10MHz / 16QAM



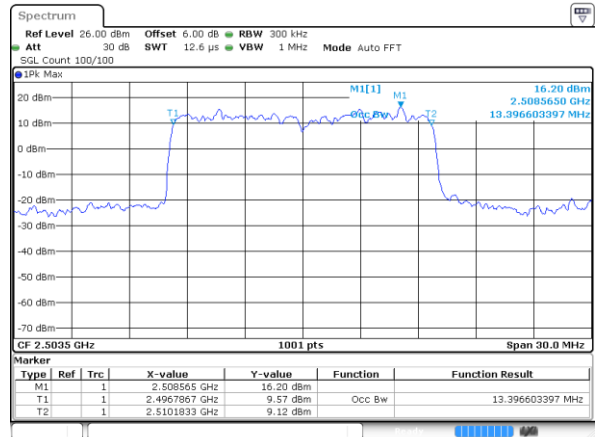


LTE Band 41

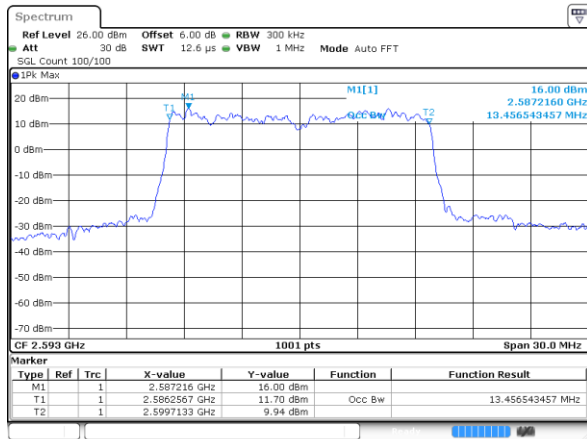
Lowest Channel / 15MHz / QPSK



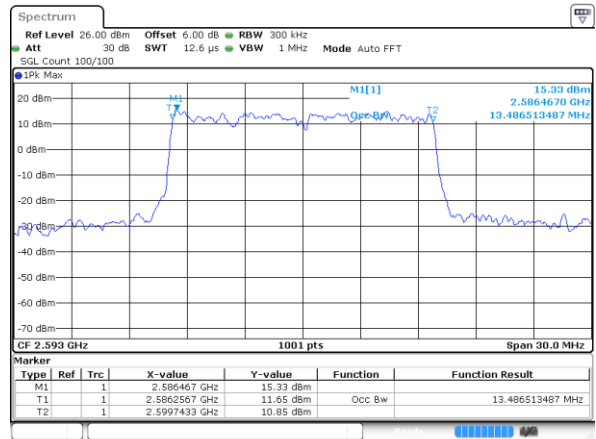
Lowest Channel / 15MHz / 16QAM



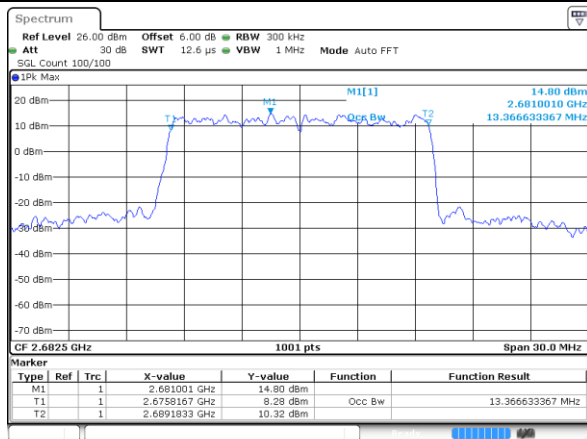
Middle Channel / 15MHz / QPSK



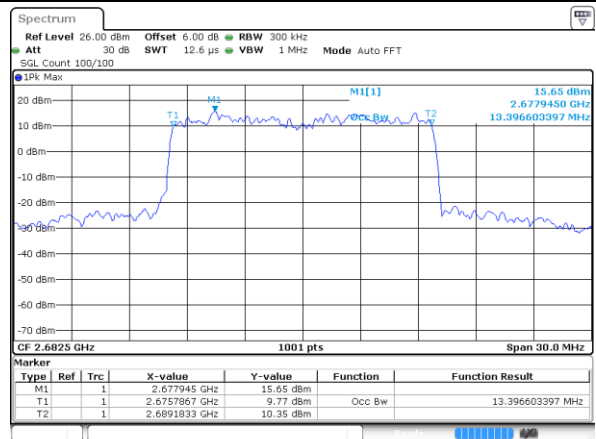
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



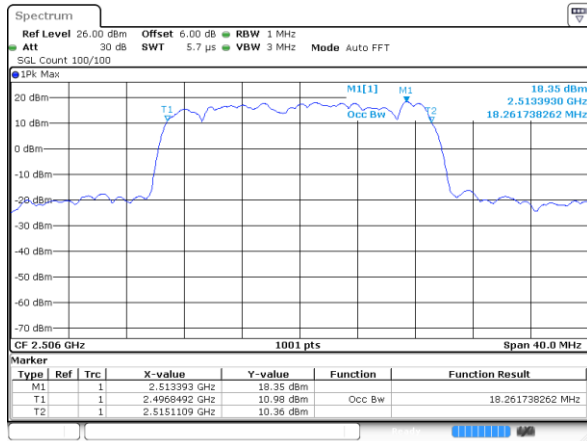
Highest Channel / 15MHz / 16QAM





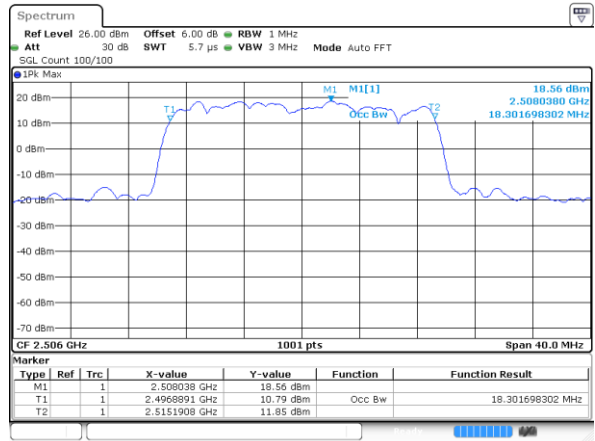
LTE Band 41

Lowest Channel / 20MHz / QPSK



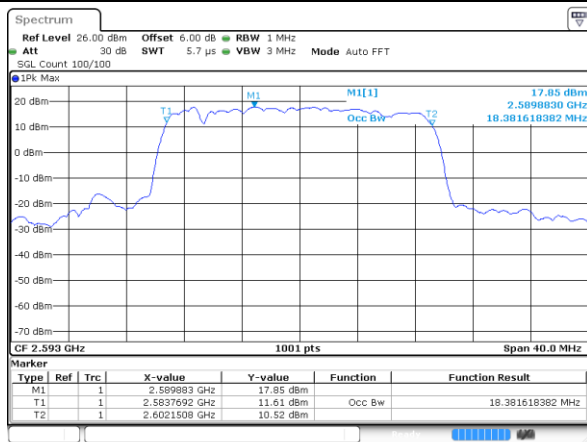
Date: 2 MAY 2020 15:13:38

Lowest Channel / 20MHz / 16QAM



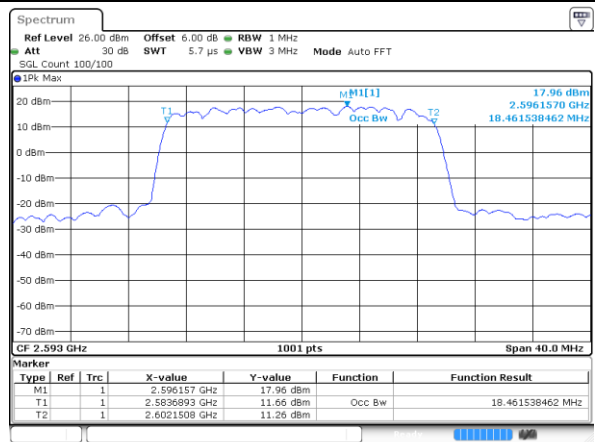
Date: 2 MAY 2020 15:13:58

Middle Channel / 20MHz / QPSK



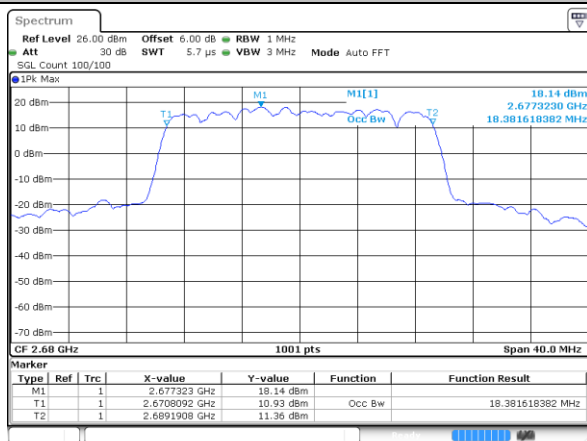
Date: 2 MAY 2020 15:14:38

Middle Channel / 20MHz / 16QAM



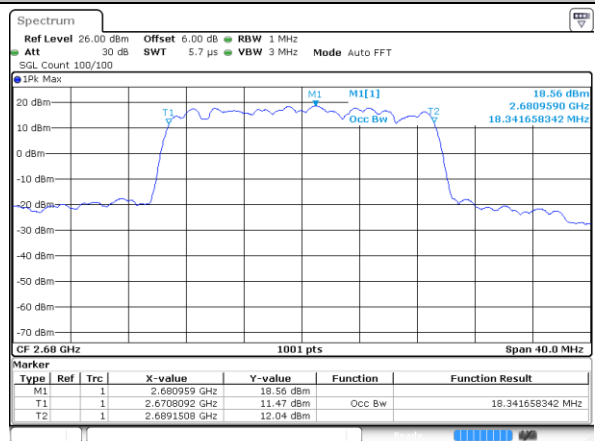
Date: 2 MAY 2020 15:14:59

Highest Channel / 20MHz / QPSK

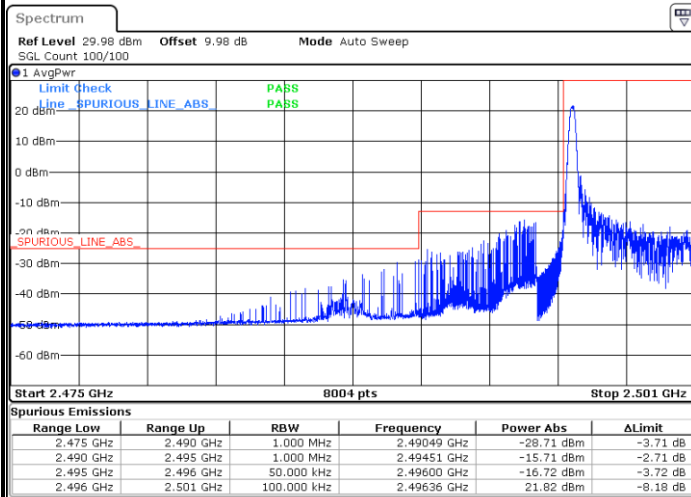
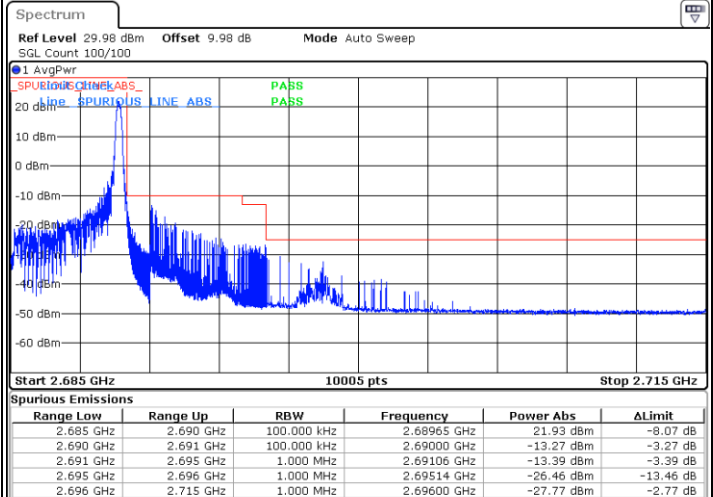
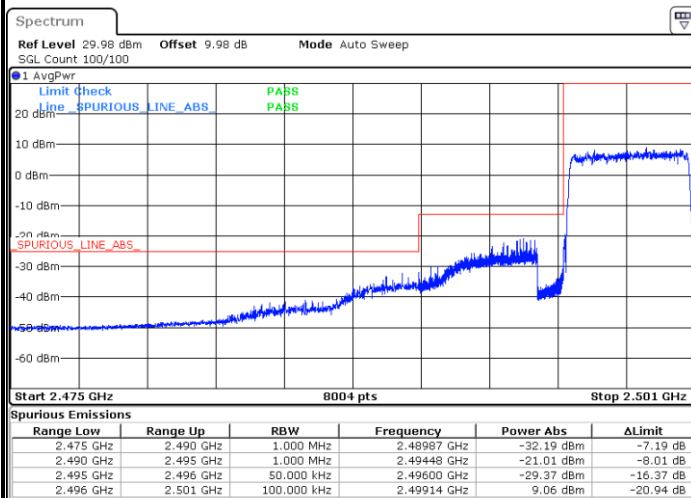
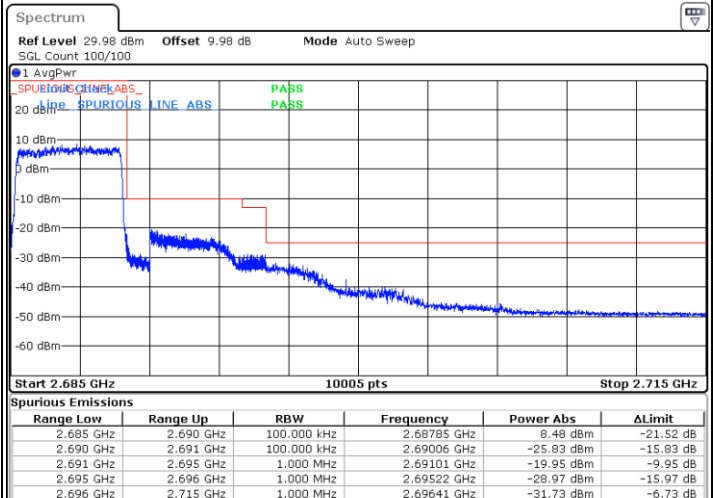


Date: 2 MAY 2020 15:15:39

Highest Channel / 20MHz / 16QAM



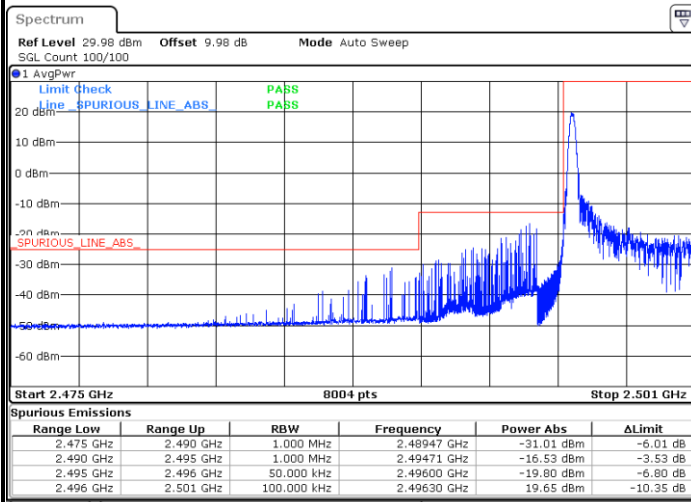
Date: 2 MAY 2020 15:15:59

**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

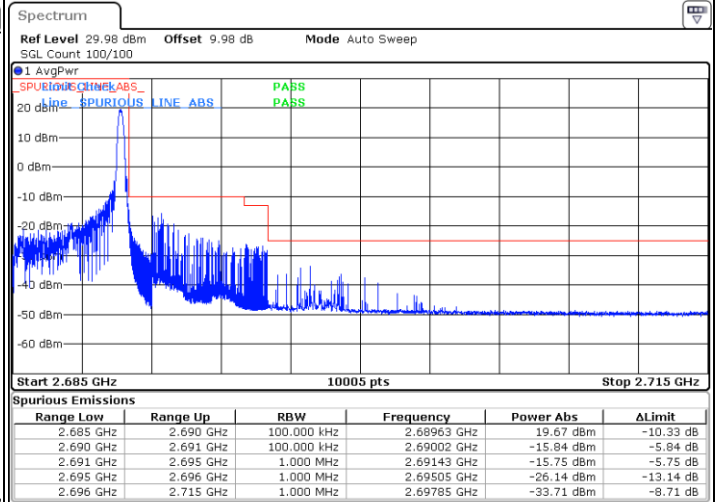


LTE Band 41 / 5MHz / 16QAM

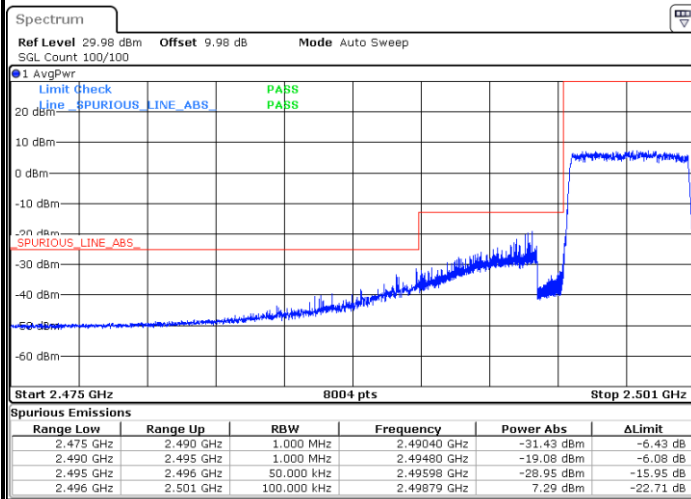
Lowest Band Edge / 1RB



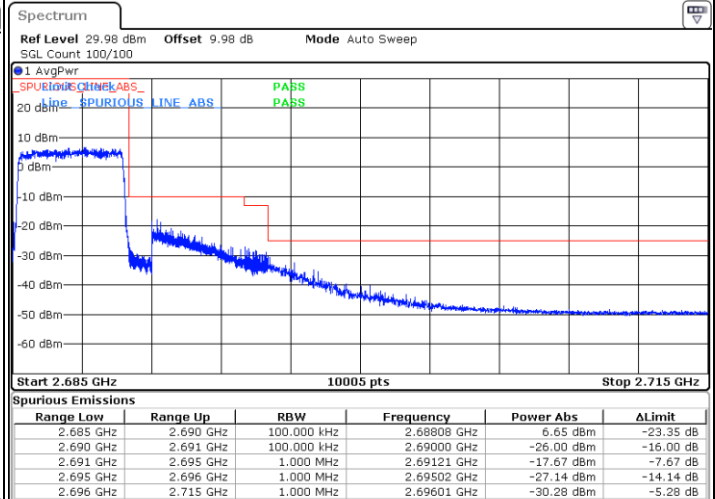
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



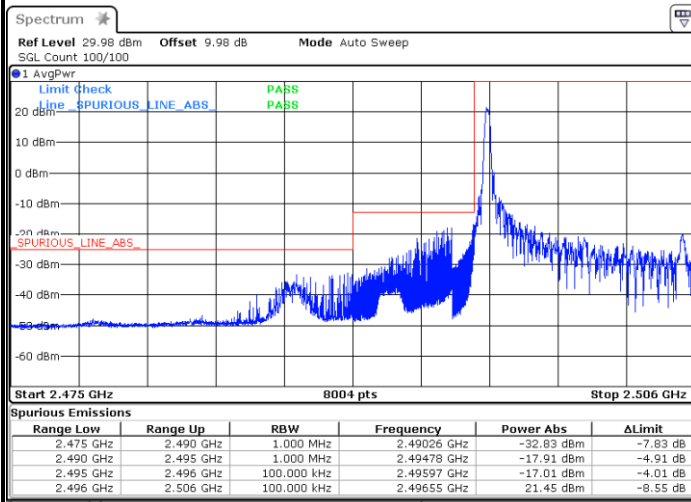
Highest Band Edge / Full RB



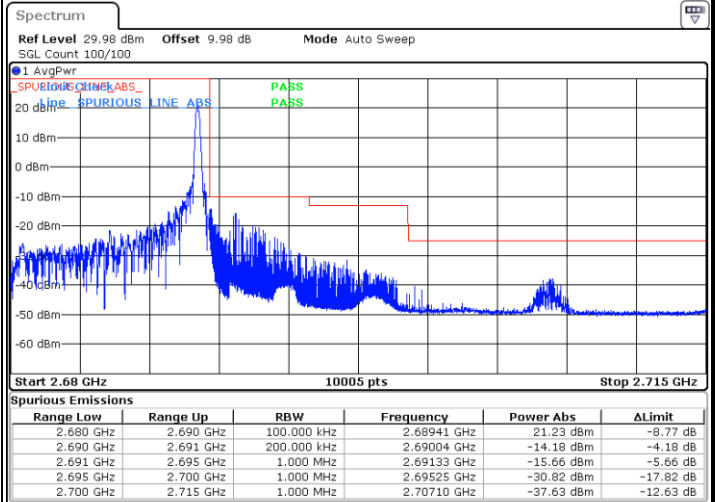


LTE Band 41 / 10MHz / QPSK

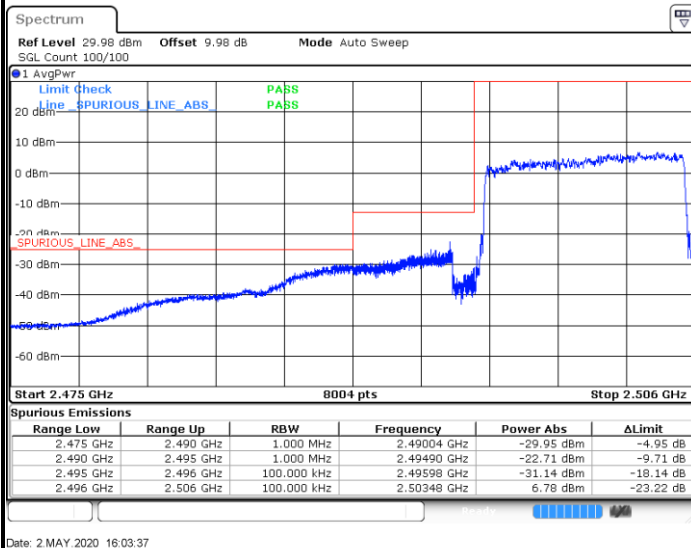
Lowest Band Edge / 1 RB



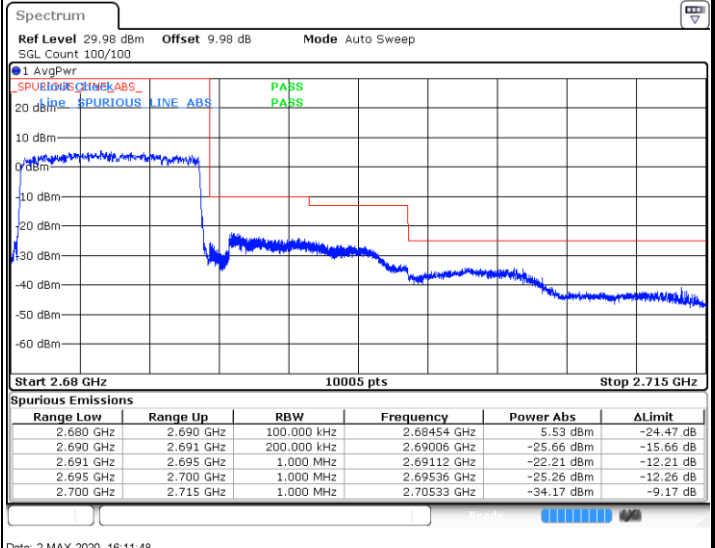
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



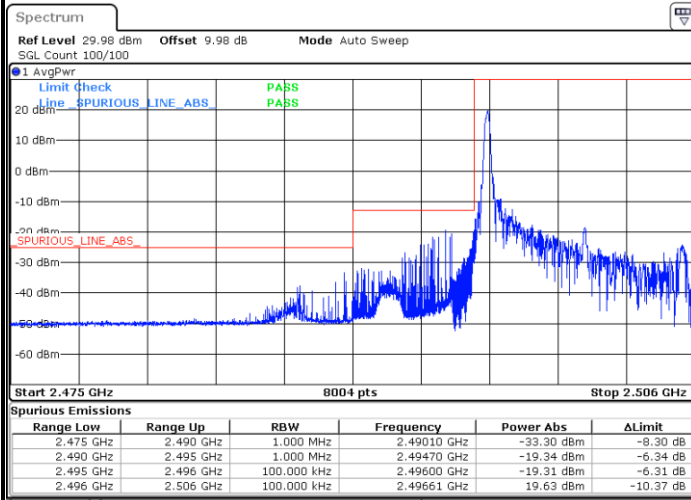
Highest Band Edge / Full RB



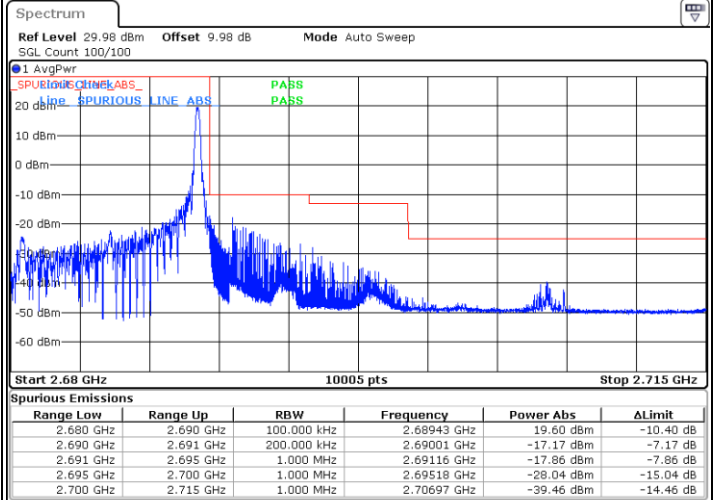


LTE Band 41 / 10MHz / 16QAM

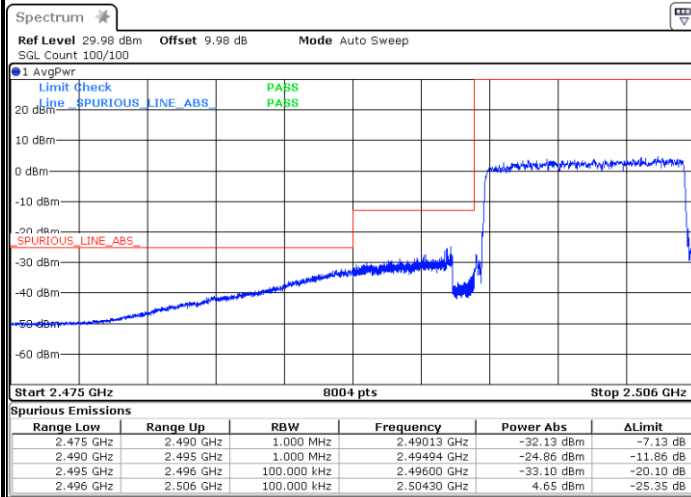
Lowest Band Edge / 1 RB



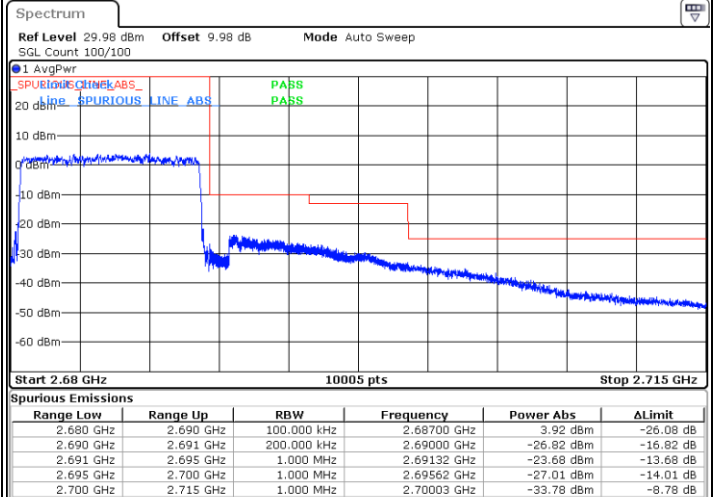
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



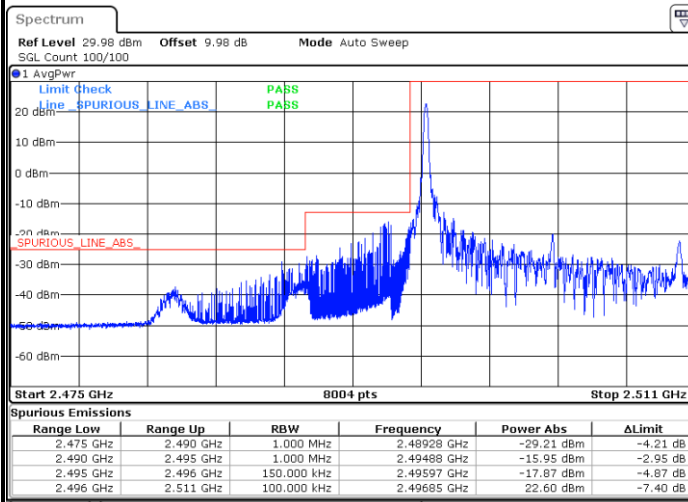
Highest Band Edge / Full RB





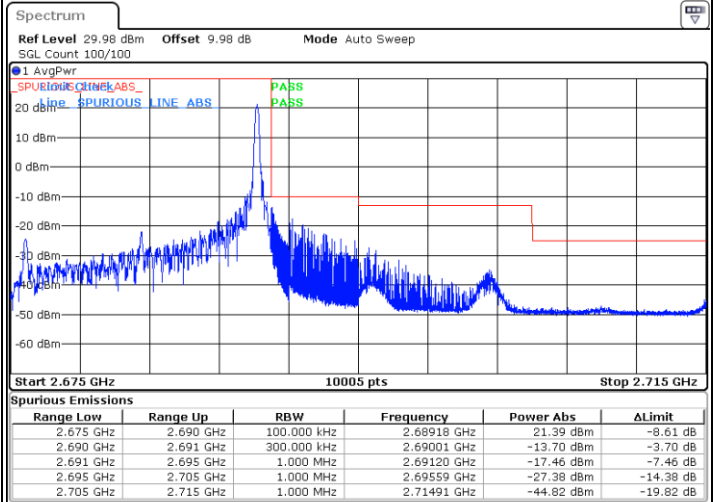
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



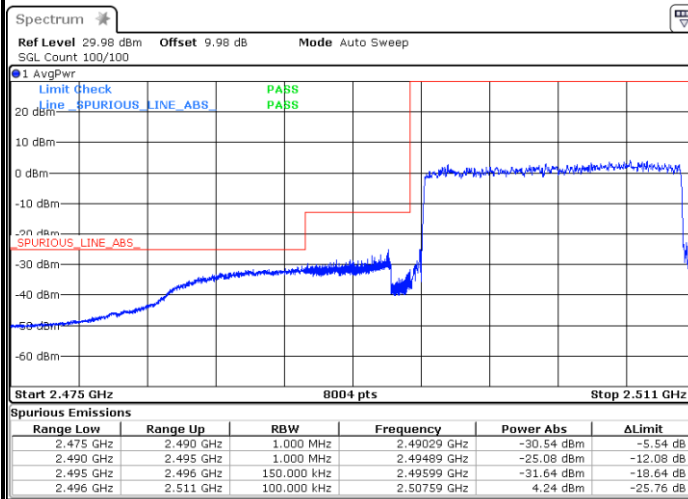
Date: 2 MAY 2020 16:15:53

Highest Band Edge / 1 RB



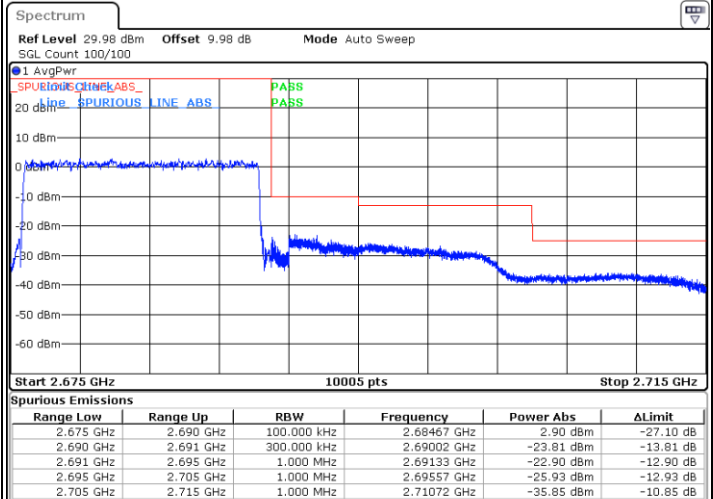
Date: 2 MAY 2020 16:24:04

Lowest Band Edge / Full RB



Date: 2 MAY 2020 19:51:35

Highest Band Edge / Full RB

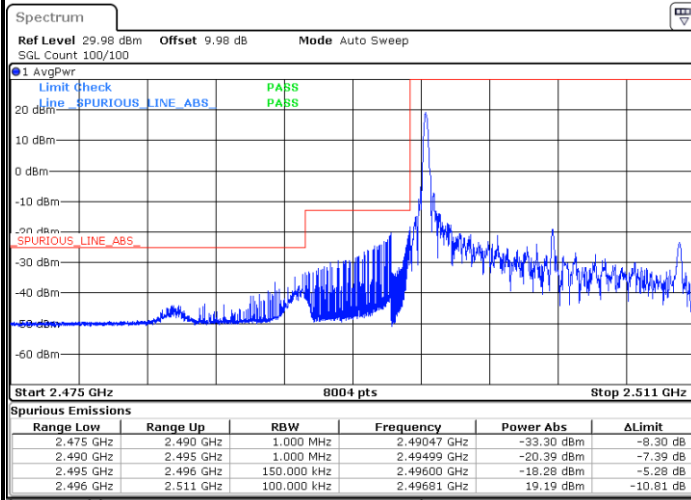


Date: 2 MAY 2020 16:26:20

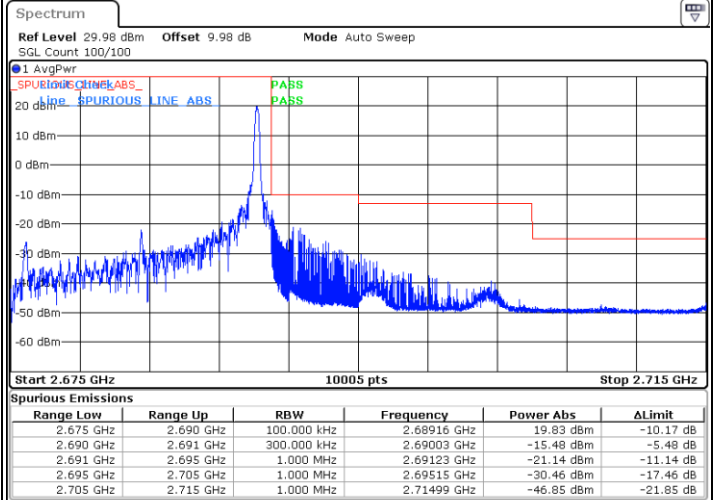


LTE Band 41 / 15MHz / 16QAM

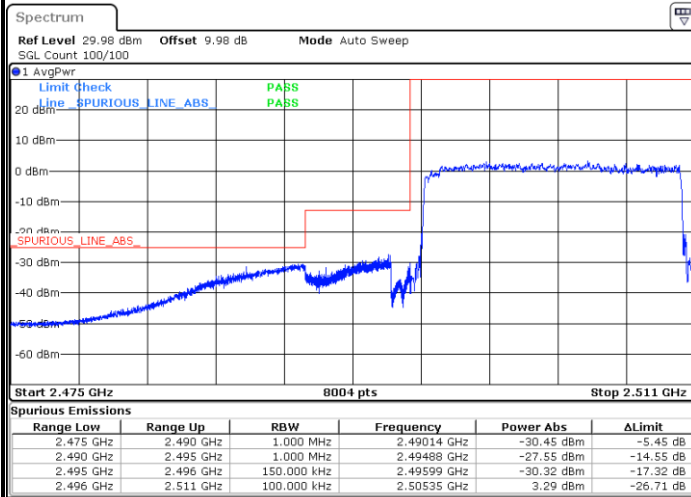
Lowest Band Edge / 1 RB



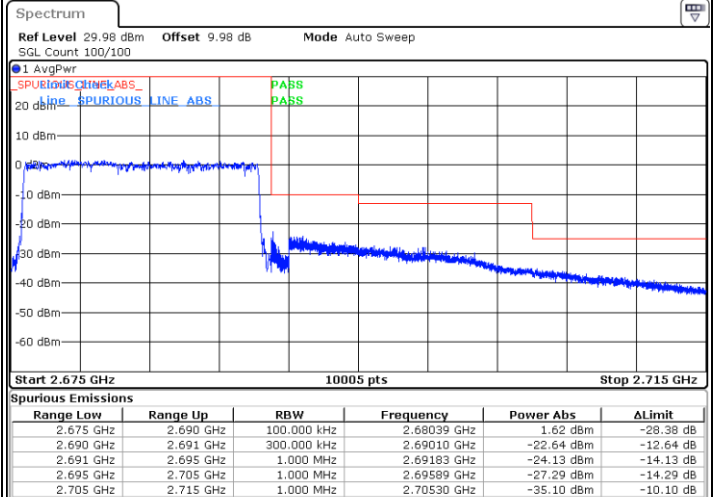
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



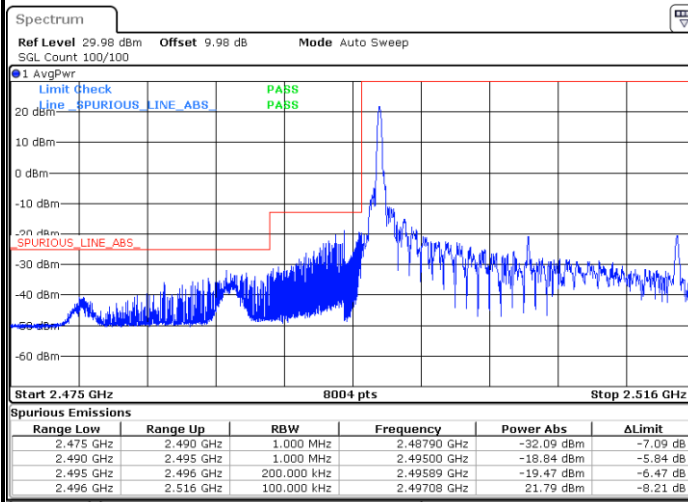
Highest Band Edge / Full RB





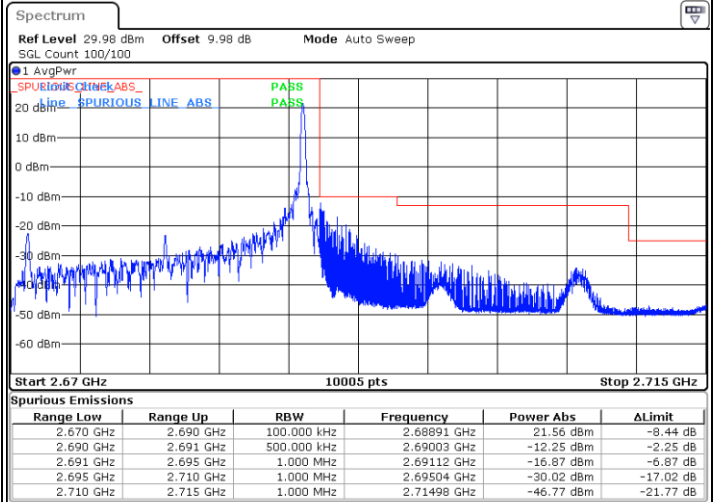
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



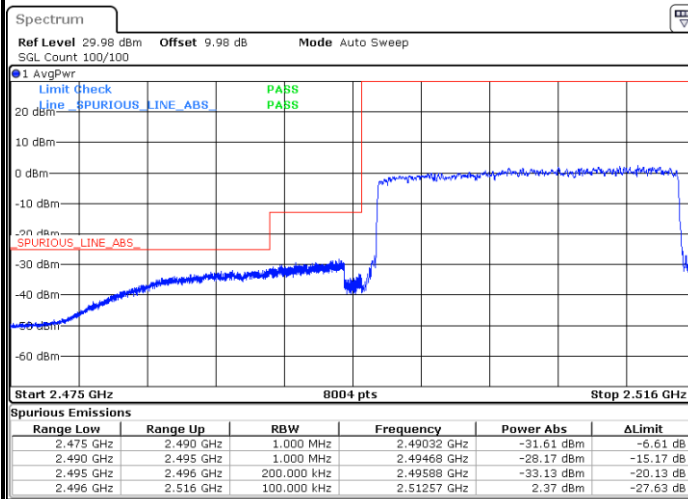
Date: 2 MAY 2020 16:30:26

Highest Band Edge / 1 RB



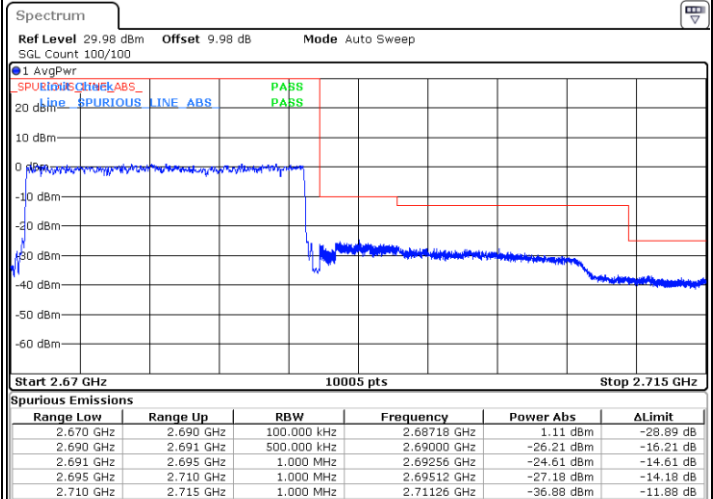
Date: 2 MAY 2020 16:38:37

Lowest Band Edge / Full RB



Date: 2 MAY 2020 16:32:42

Highest Band Edge / Full RB

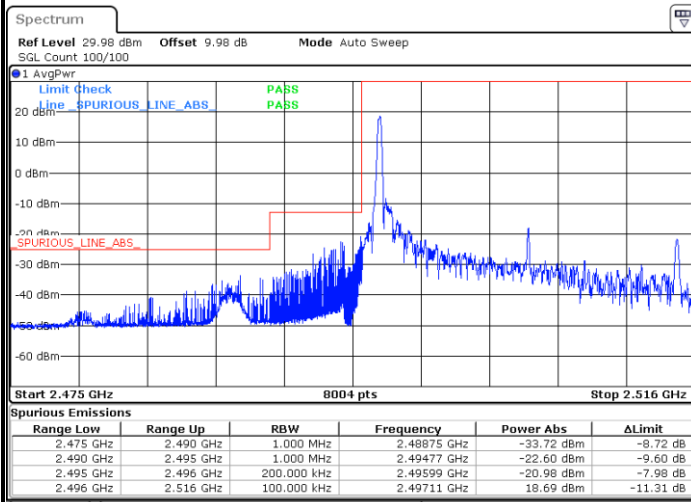


Date: 2 MAY 2020 16:42:01

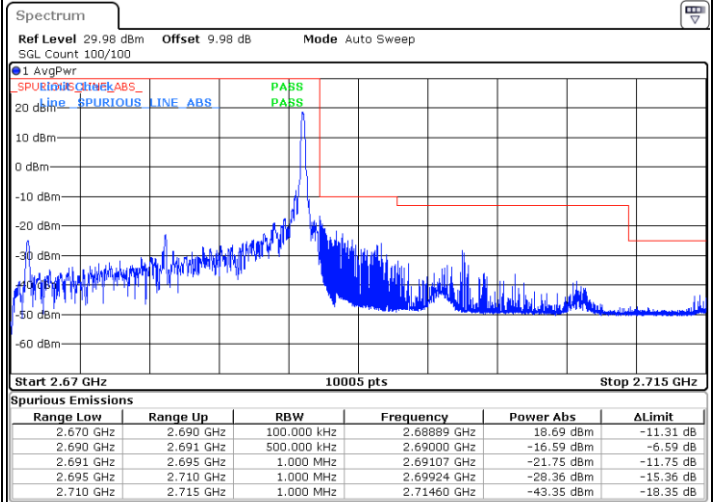


LTE Band 41 / 20MHz / 16QAM

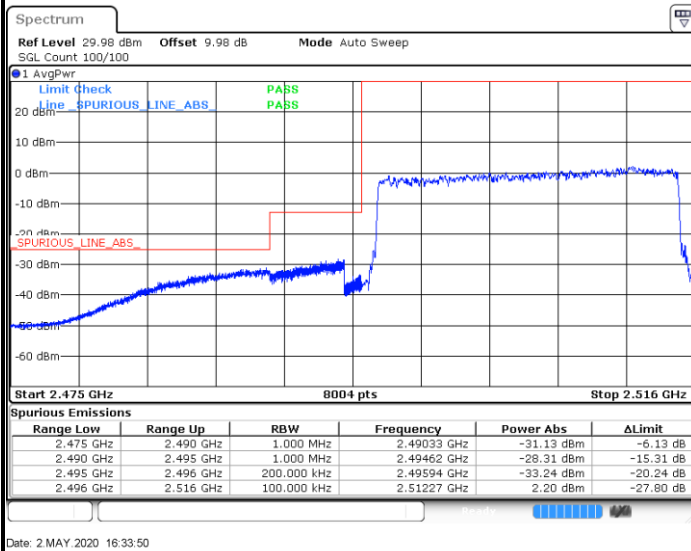
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

