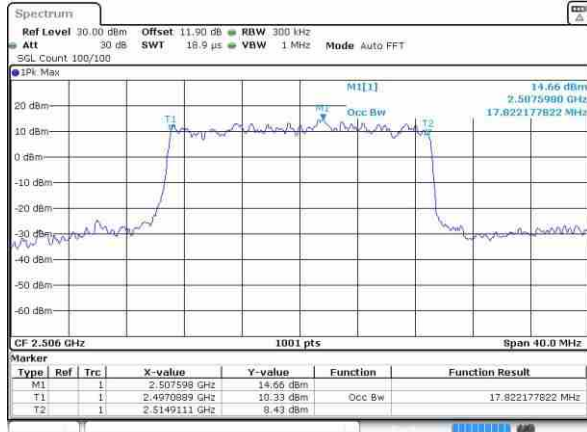


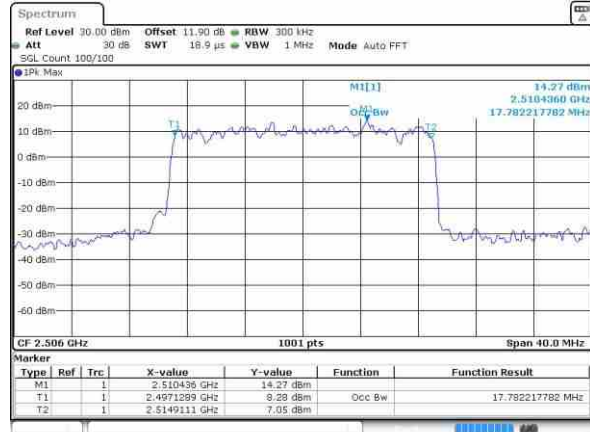


LTE Band 41

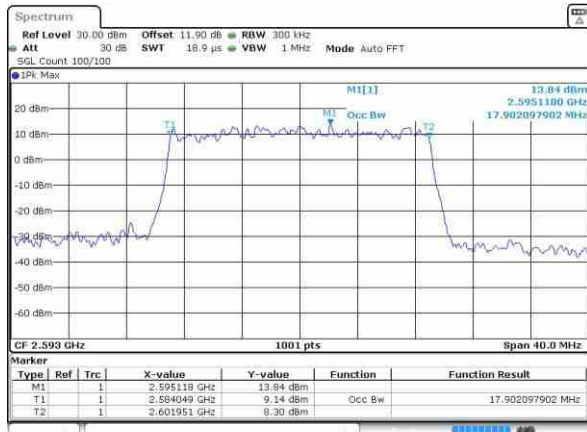
Lowest Channel / 20MHz / QPSK



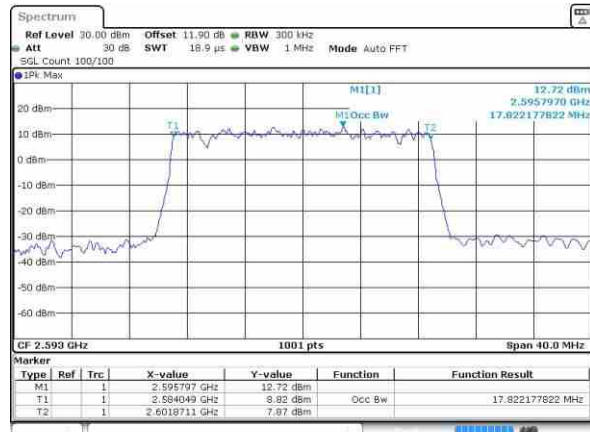
Lowest Channel / 20MHz / 16QAM



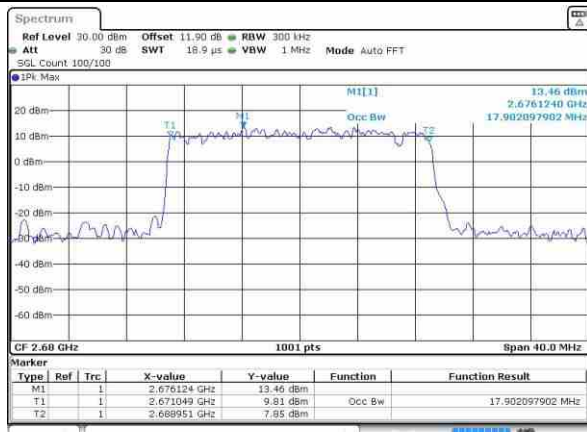
Middle Channel / 20MHz / QPSK



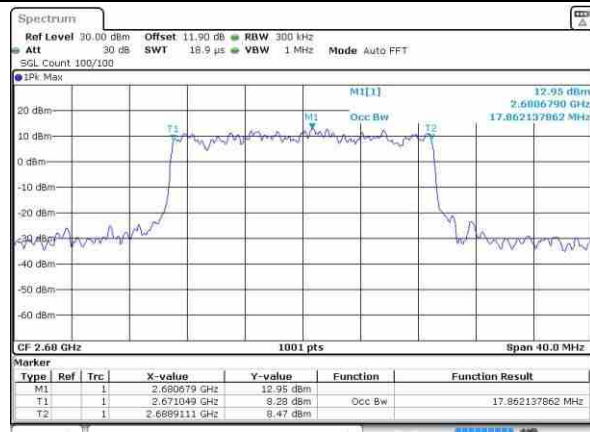
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



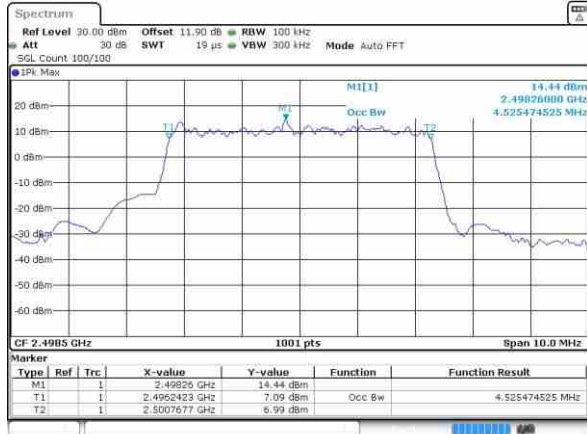
Highest Channel / 20MHz / 16QAM





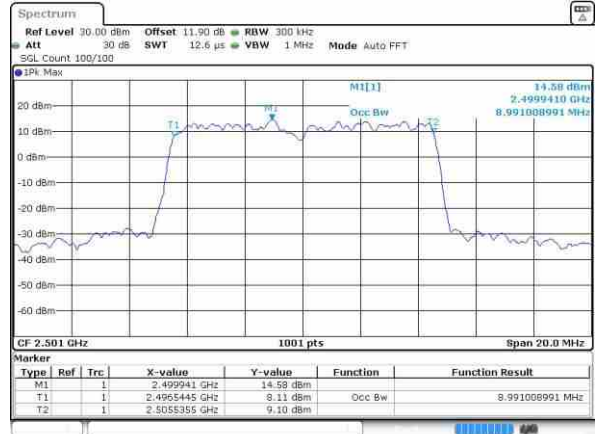
LTE Band 41

Lowest Channel / 5MHz / 64QAM



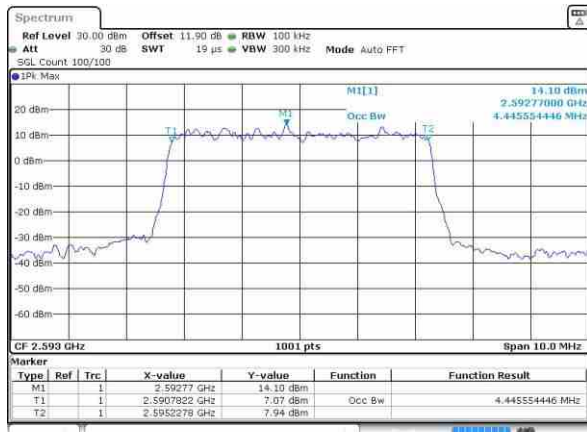
Date: 23 MAY 2019 03:31:54

Lowest Channel / 10MHz / 64QAM



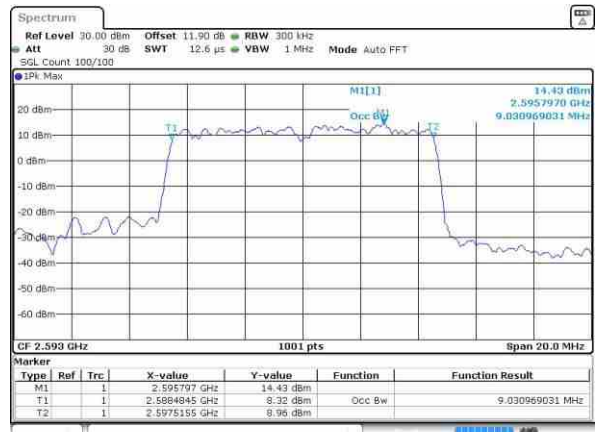
Date: 23 MAY 2019 03:33:08

Middle Channel / 5MHz / 64QAM



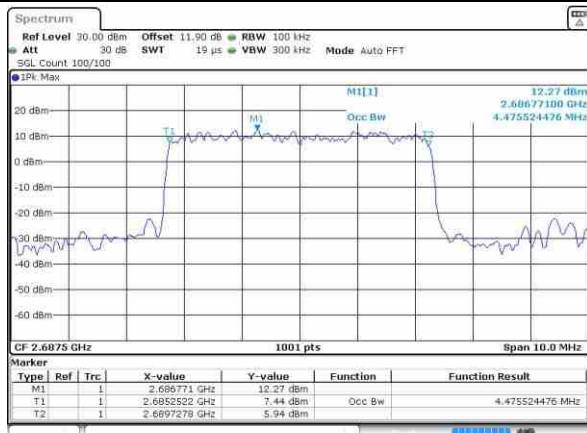
Date: 23 MAY 2019 03:32:18

Middle Channel / 10MHz / 64QAM



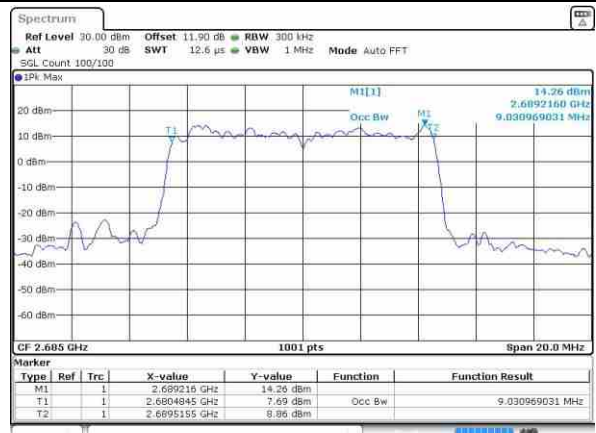
Date: 23 MAY 2019 03:33:32

Highest Channel / 5MHz / 64QAM



Date: 23 MAY 2019 03:32:42

Highest Channel / 10MHz / 64QAM

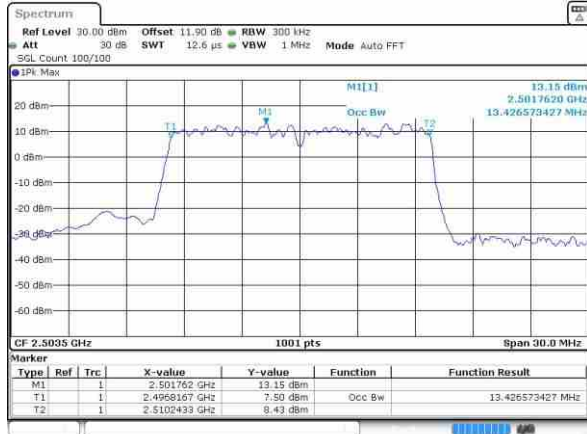


Date: 23 MAY 2019 03:33:56



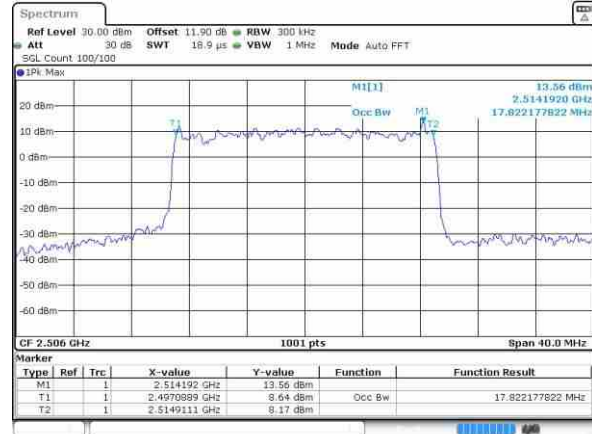
LTE Band 41

Lowest Channel / 15MHz / 64QAM



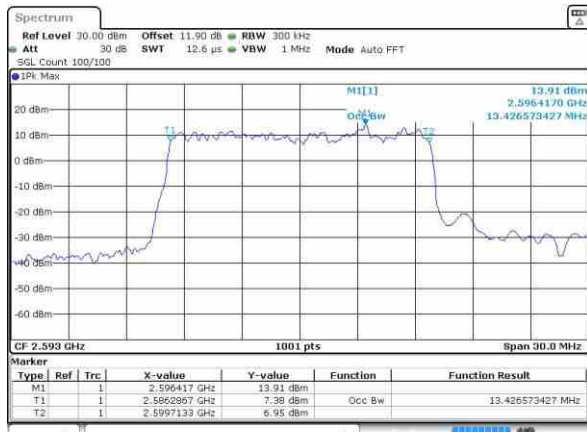
Date: 23 MAY 2019 03:34:22

Lowest Channel / 20MHz / 64QAM



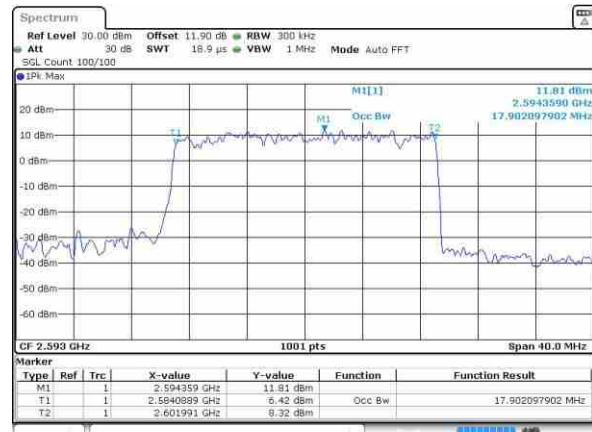
Date: 23 MAY 2019 03:35:36

Middle Channel / 15MHz / 64QAM



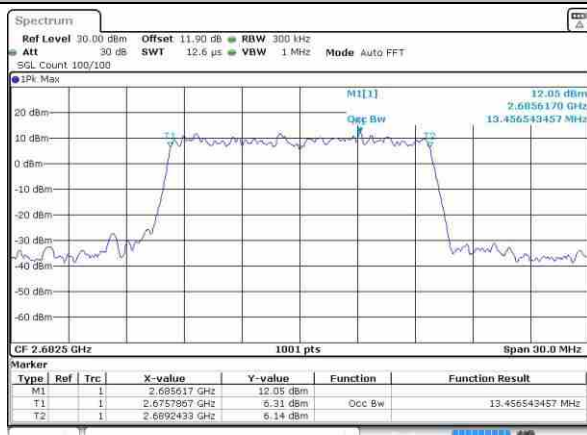
Date: 23 MAY 2019 03:34:46

Middle Channel / 20MHz / 64QAM



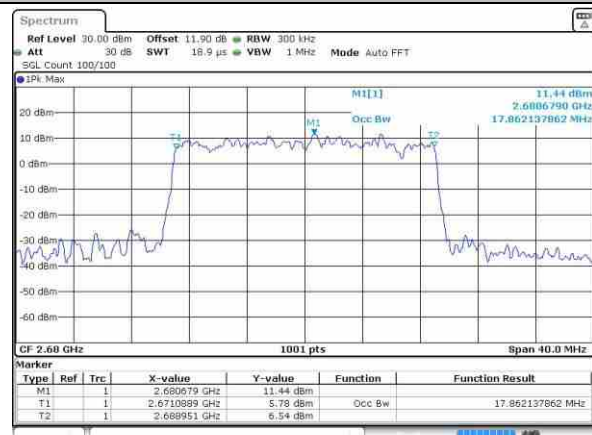
Date: 23 MAY 2019 03:36:00

Highest Channel / 15MHz / 64QAM



Date: 23 MAY 2019 03:35:10

Highest Channel / 20MHz / 64QAM



Date: 23 MAY 2019 03:36:24

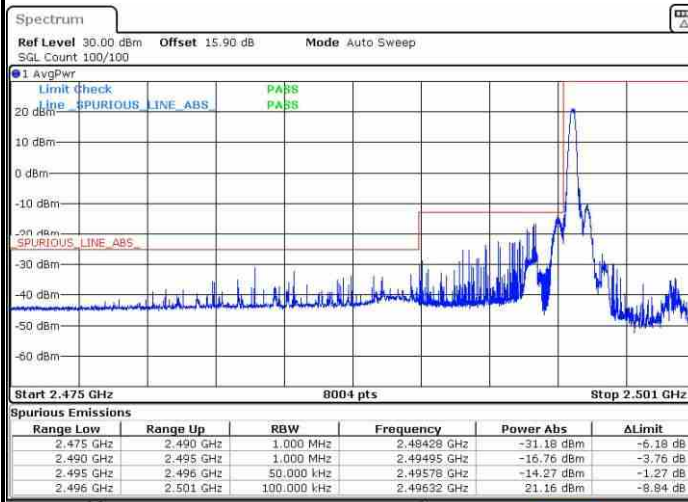


Conducted Band Edge



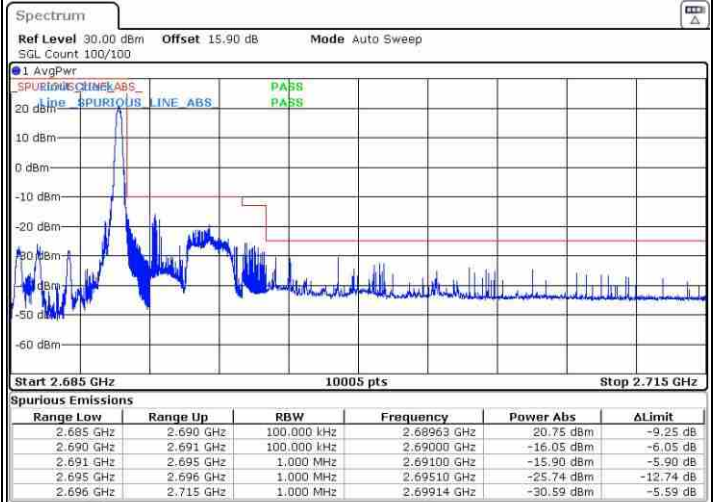
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



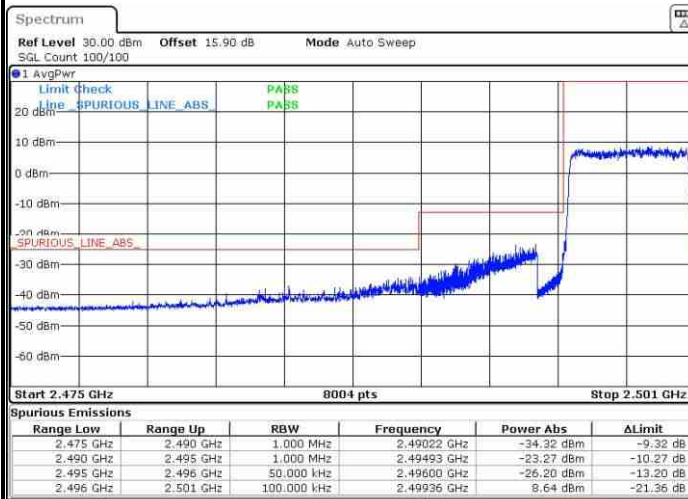
Date: 23 MAY 2019 04:04:37

Highest Band Edge / 1 RB



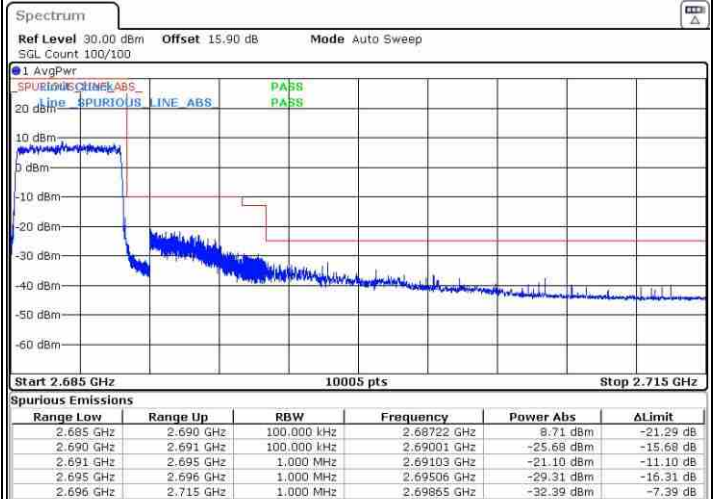
Date: 23 MAY 2019 02:14:46

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:13:43

Highest Band Edge / Full RB

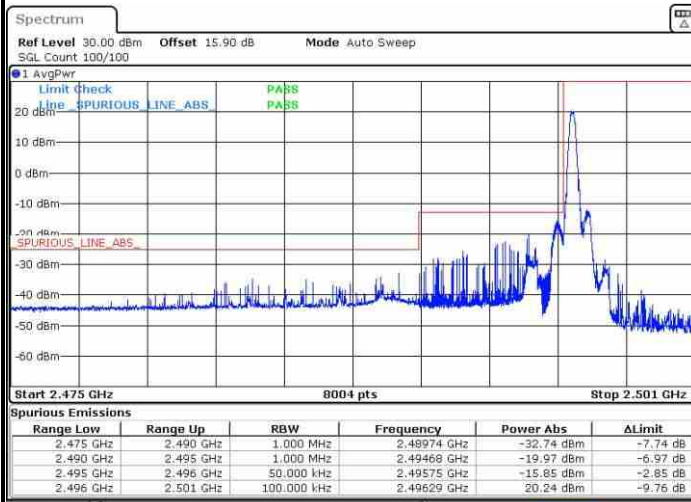


Date: 23 MAY 2019 02:15:49



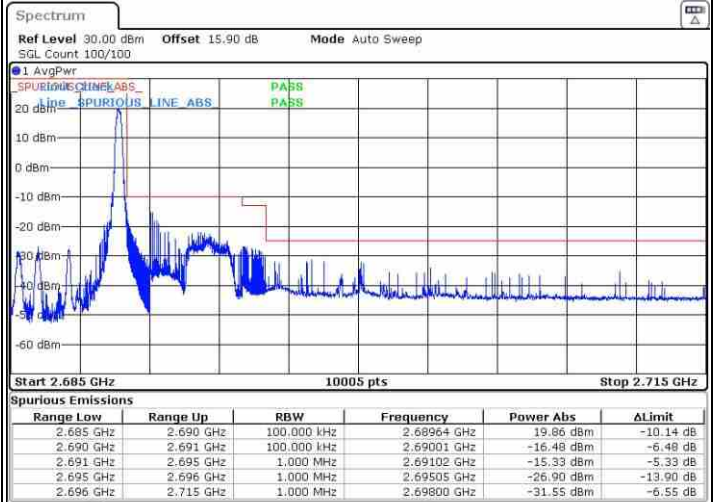
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



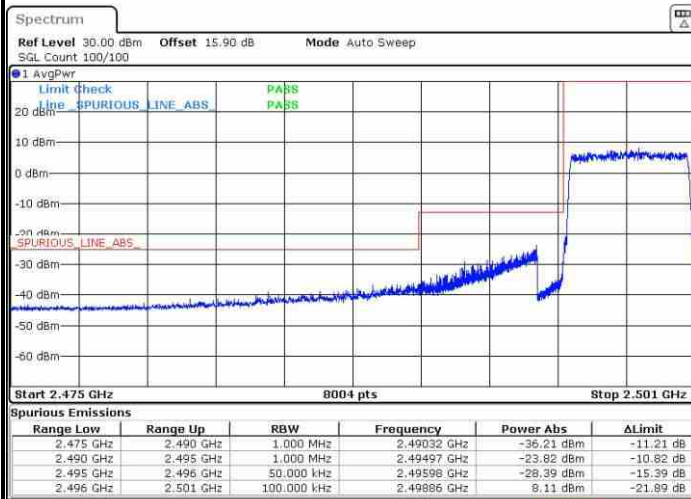
Date: 23 MAY 2019 04:05:09

Highest Band Edge / 1 RB



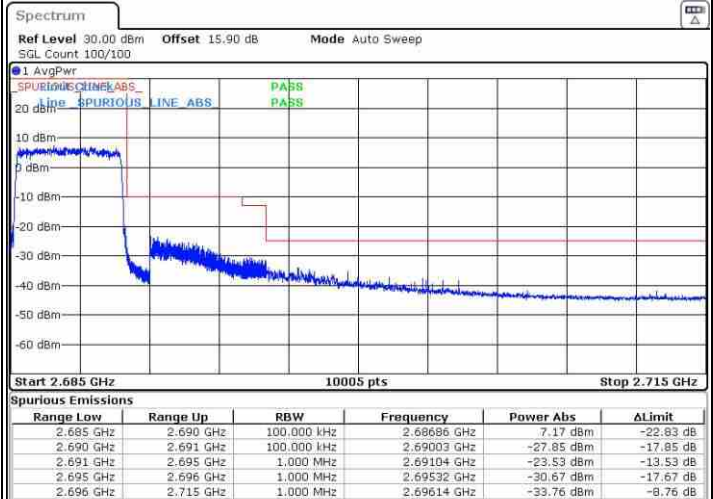
Date: 23 MAY 2019 02:15:17

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:14:15

Highest Band Edge / Full RB

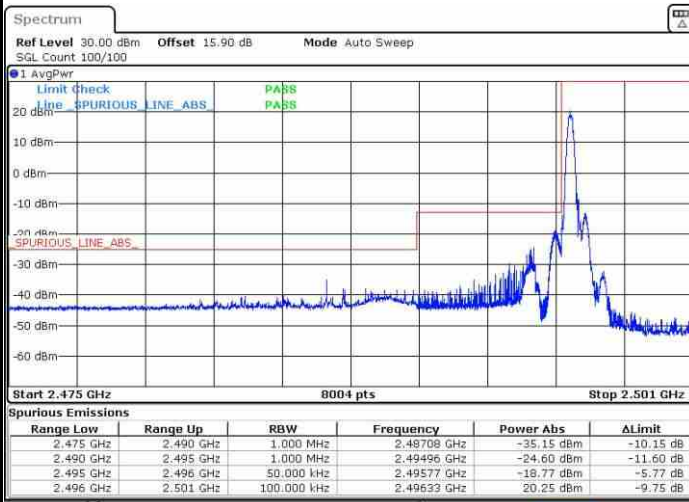


Date: 23 MAY 2019 02:16:20



LTE Band 41 / 5MHz / 64QAM

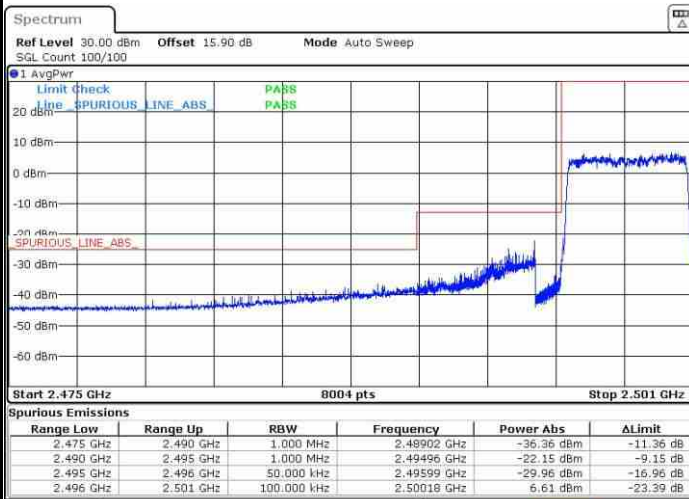
Lowest Band Edge / 1RB



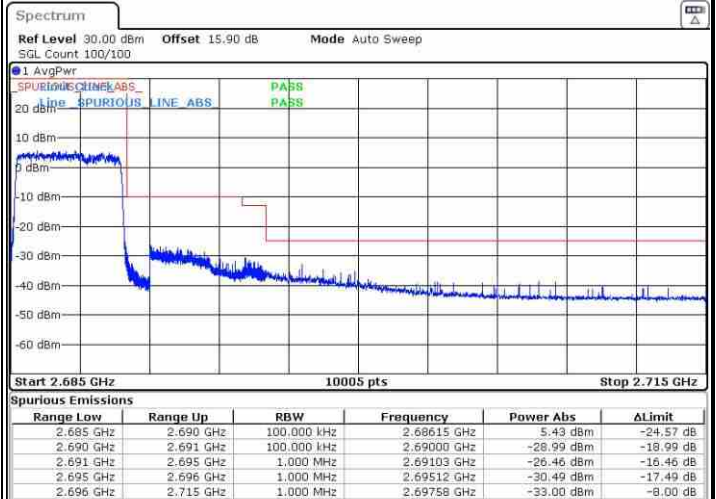
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



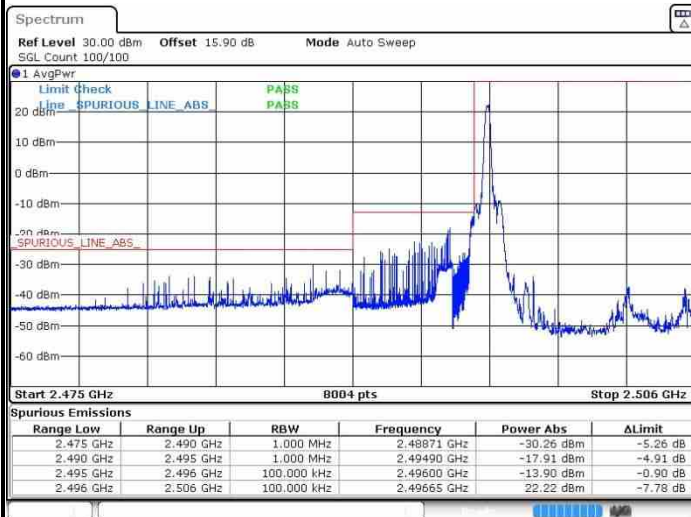
Highest Band Edge / Full RB



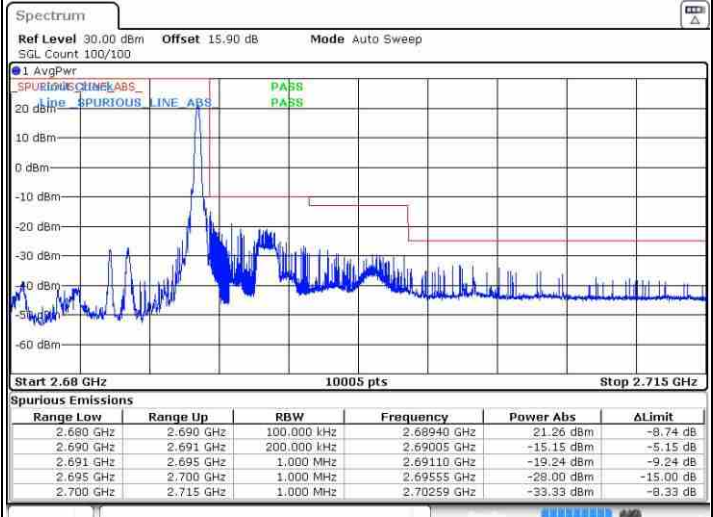


LTE Band 41 / 10MHz / QPSK

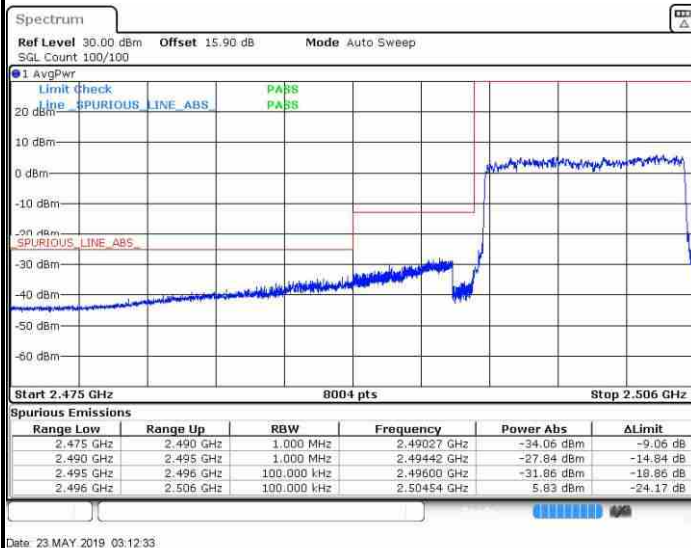
Lowest Band Edge / 1 RB



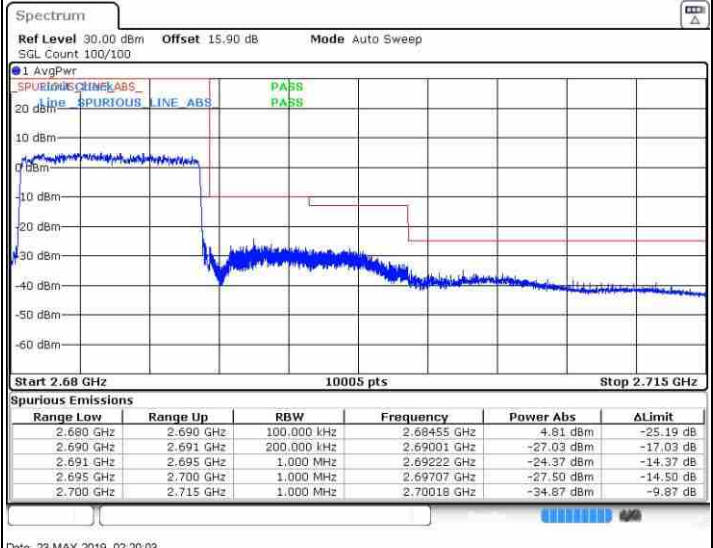
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



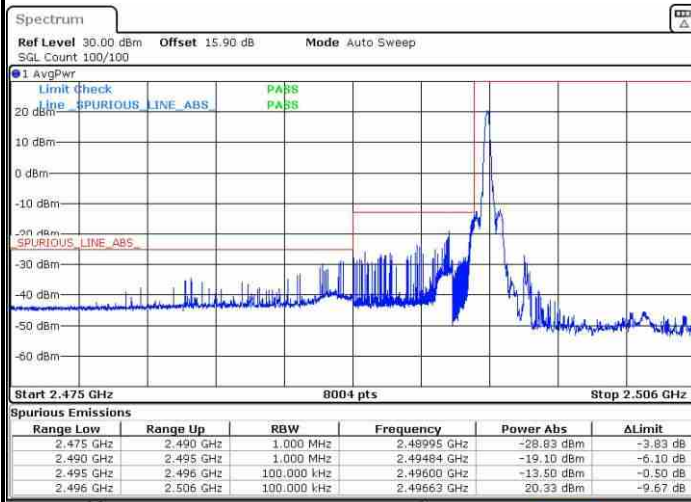
Highest Band Edge / Full RB



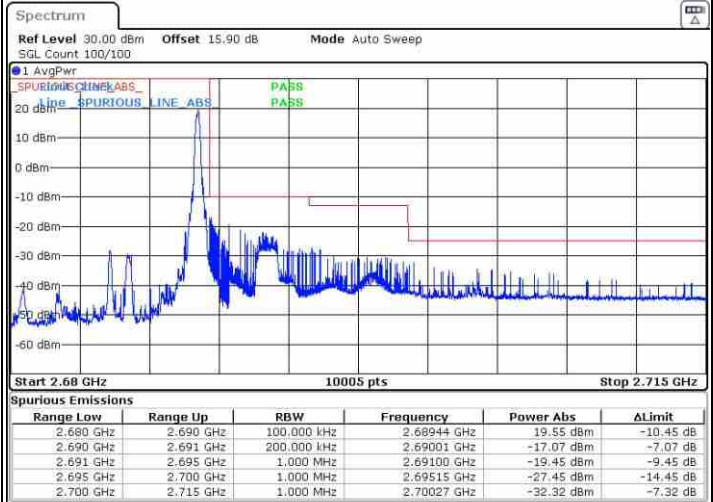


LTE Band 41 / 10MHz / 16QAM

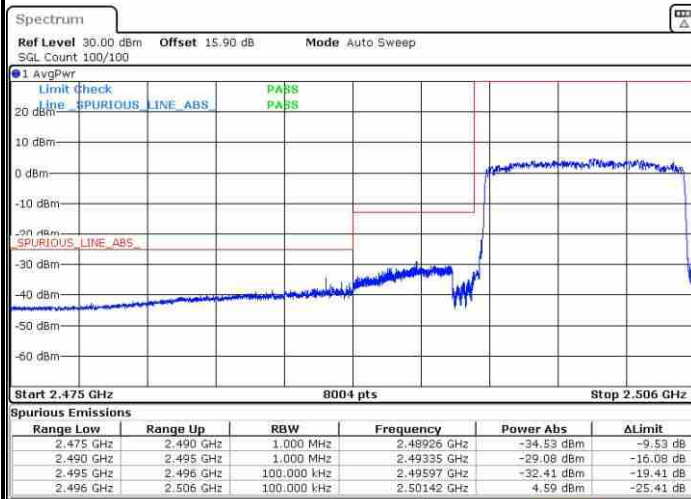
Lowest Band Edge / 1 RB



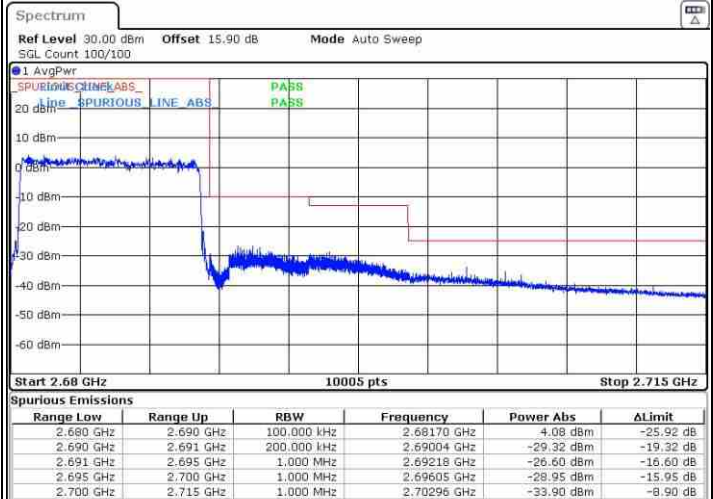
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



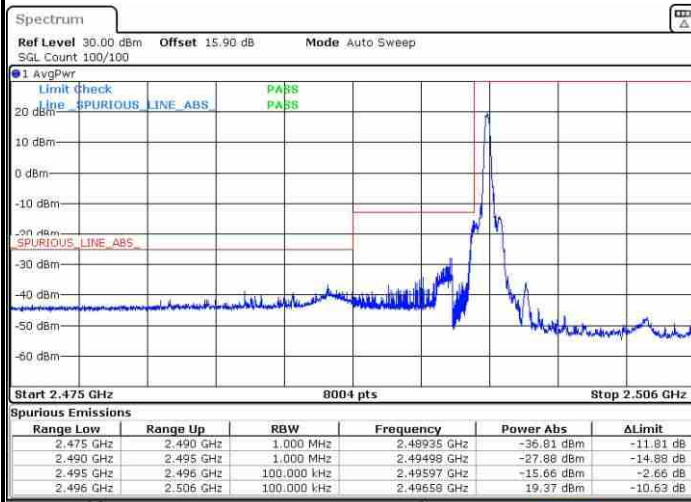
Highest Band Edge / Full RB





LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



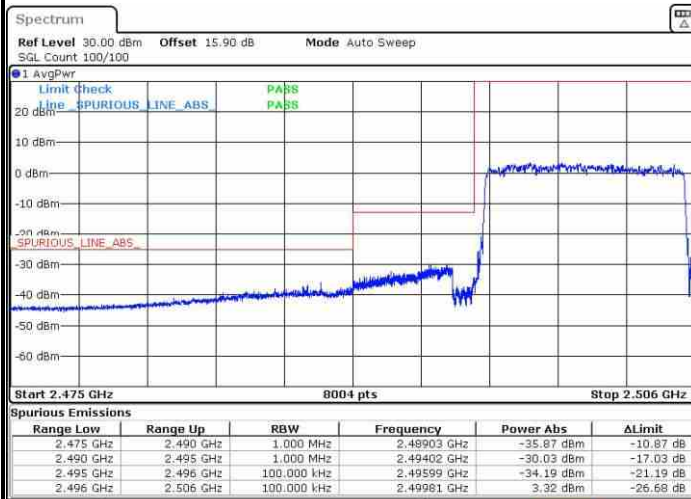
Date: 23 MAY 2019 04:09:10

Highest Band Edge / 1 RB



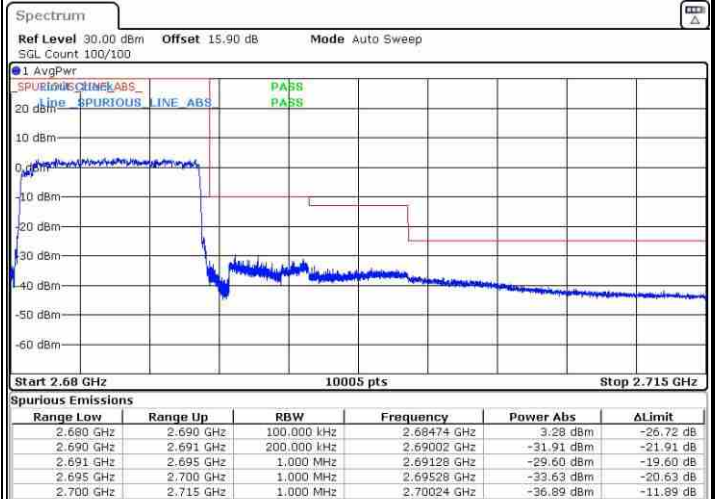
Date: 23 MAY 2019 02:32:45

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:12:07

Highest Band Edge / Full RB

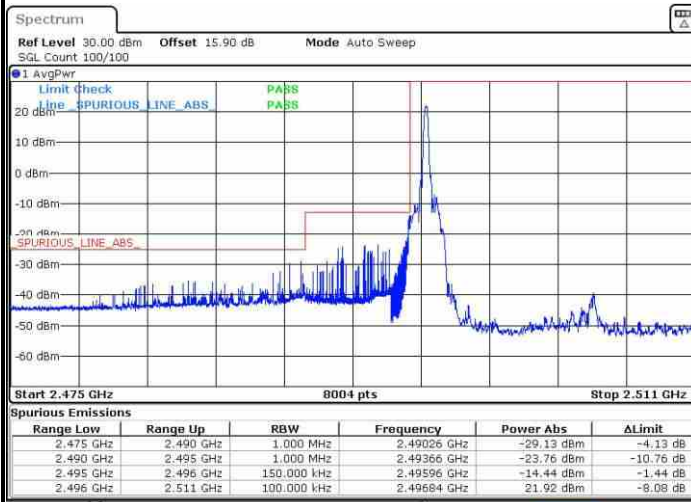


Date: 23 MAY 2019 03:13:52



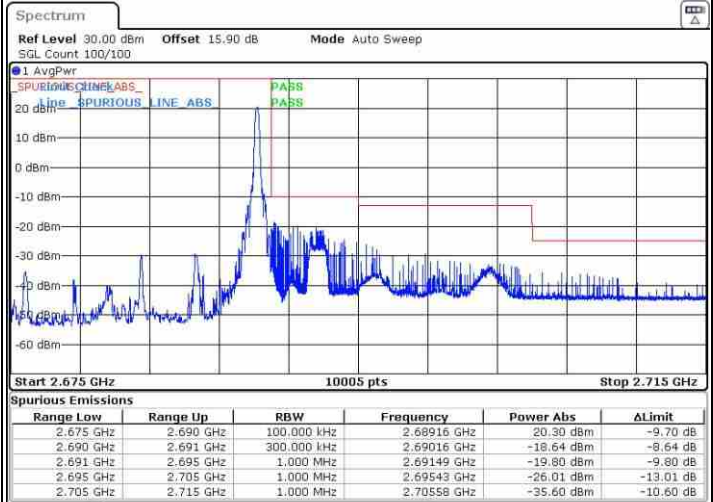
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



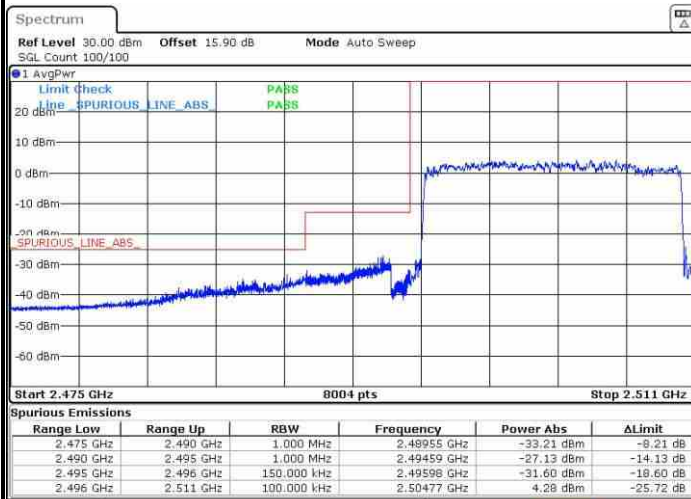
Date: 23 MAY 2019 03:15:41

Highest Band Edge / 1 RB



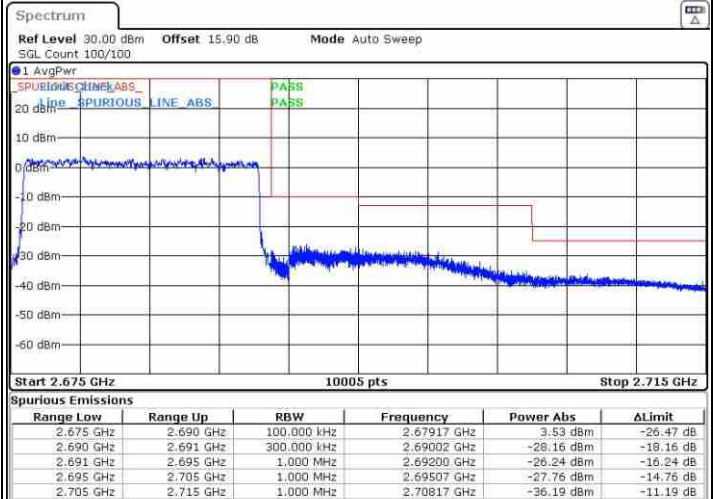
Date: 23 MAY 2019 02:23:14

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:22:11

Highest Band Edge / Full RB

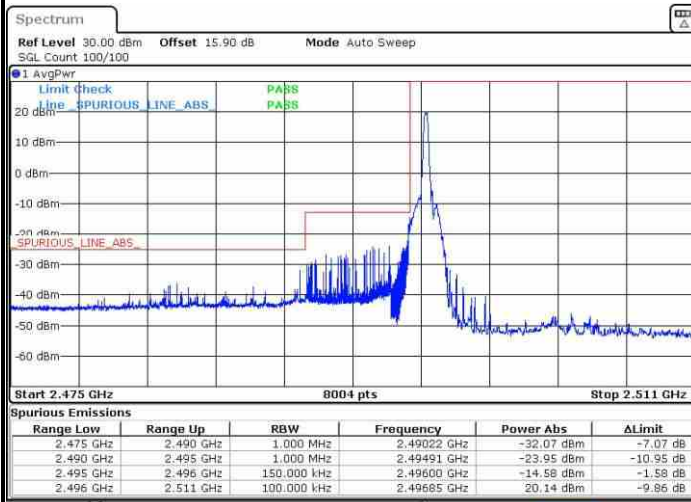


Date: 23 MAY 2019 02:24:16

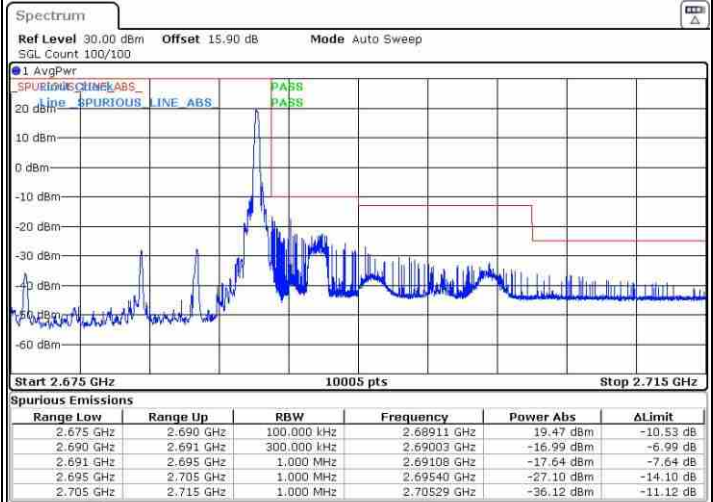


LTE Band 41 / 15MHz / 16QAM

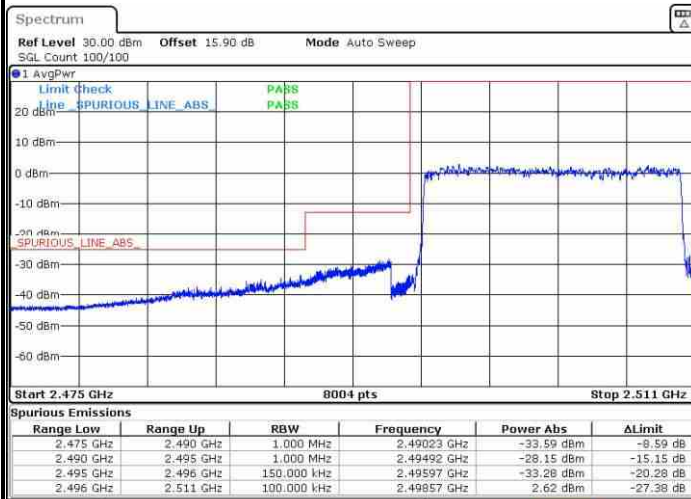
Lowest Band Edge / 1 RB



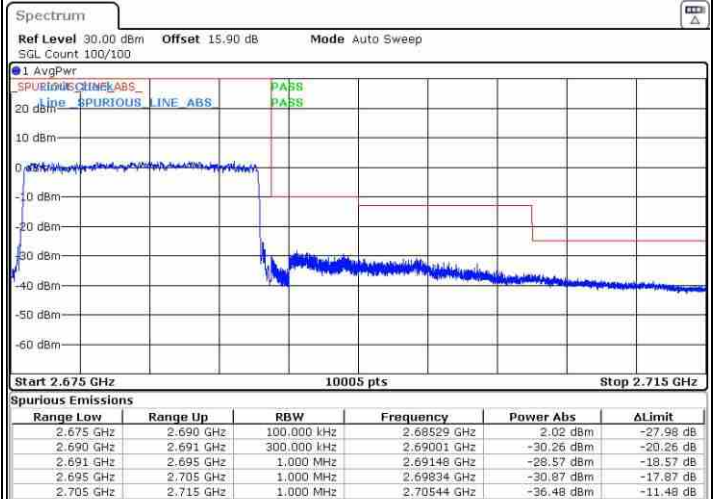
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



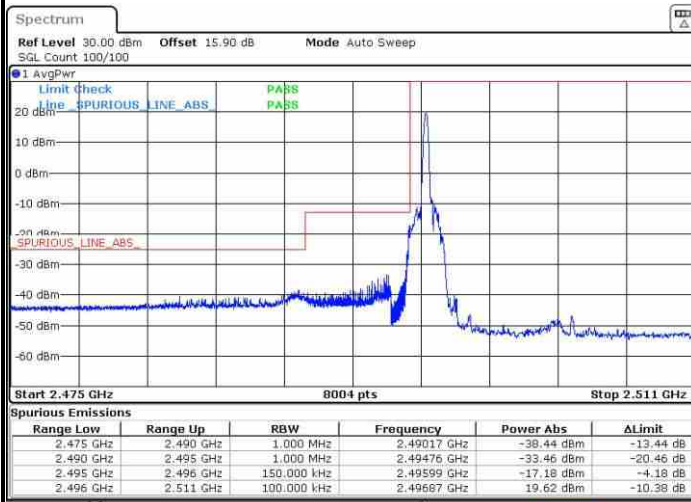
Highest Band Edge / Full RB





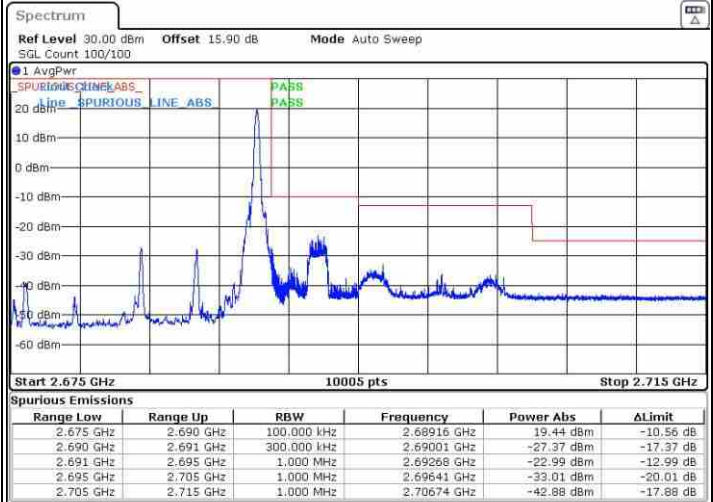
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



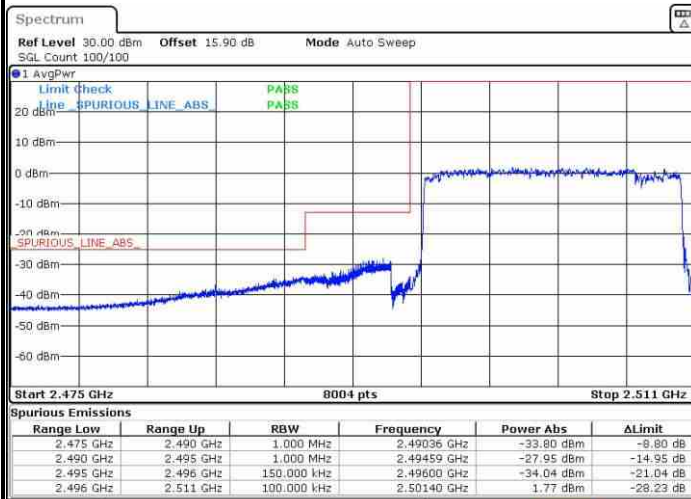
Date: 23 MAY 2019 02:33:50

Highest Band Edge / 1 RB



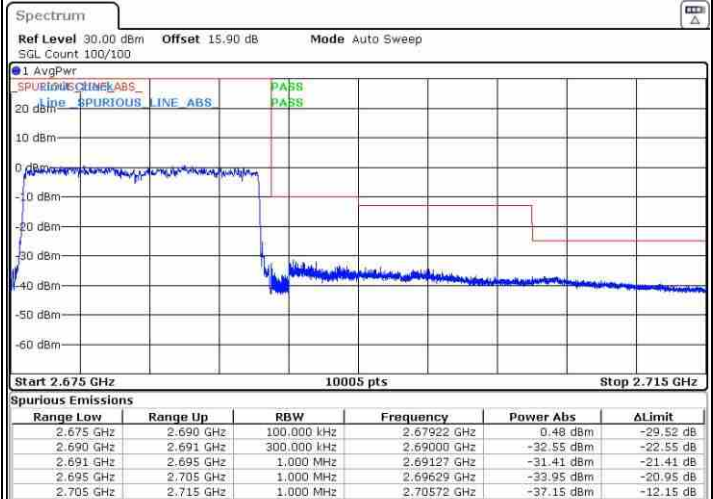
Date: 23 MAY 2019 02:34:53

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:17:30

Highest Band Edge / Full RB

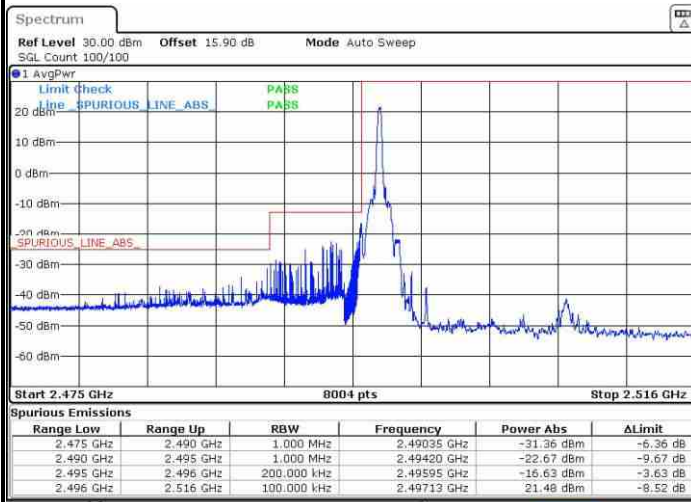


Date: 23 MAY 2019 02:35:24

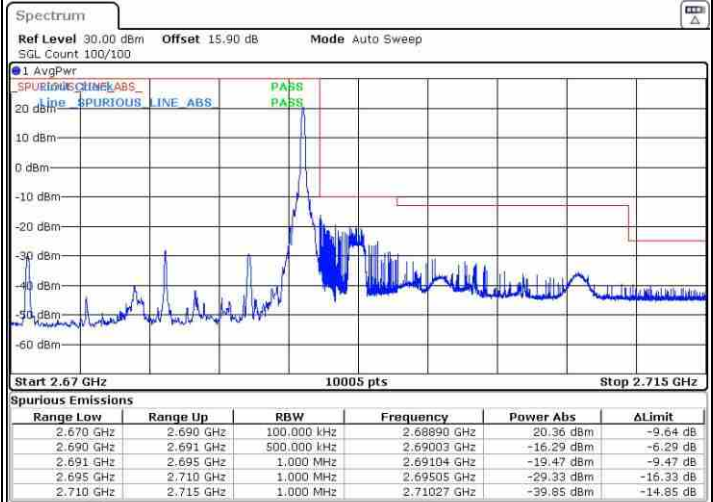


LTE Band 41 / 20MHz / QPSK

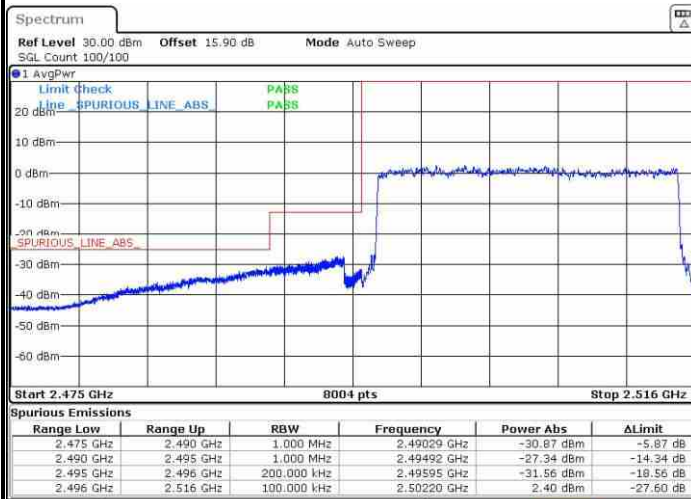
Lowest Band Edge / 1 RB



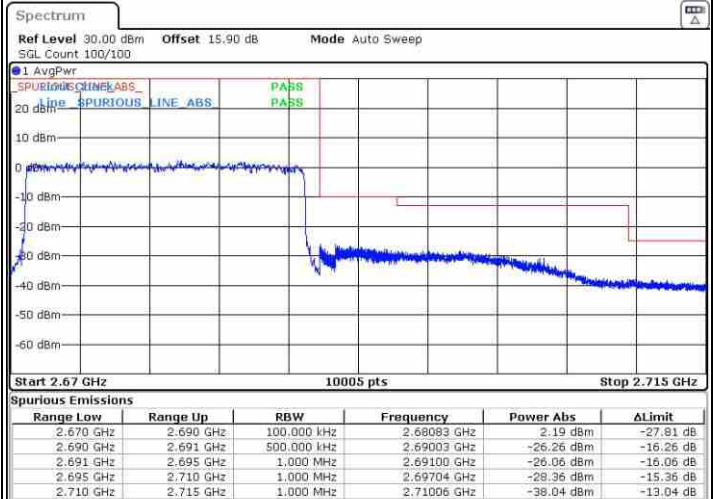
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



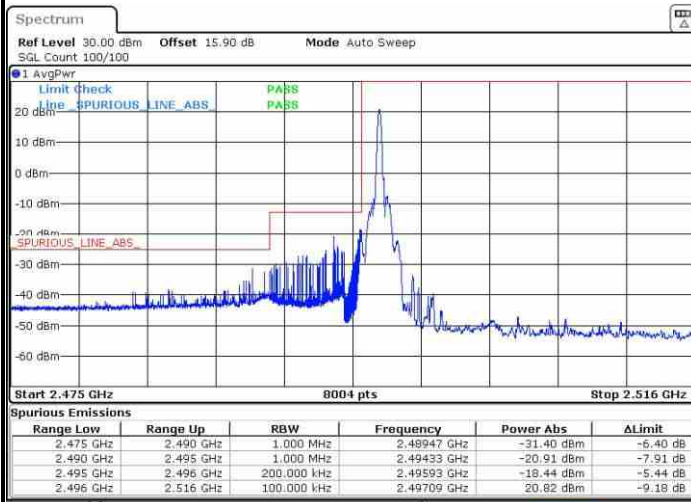
Highest Band Edge / Full RB





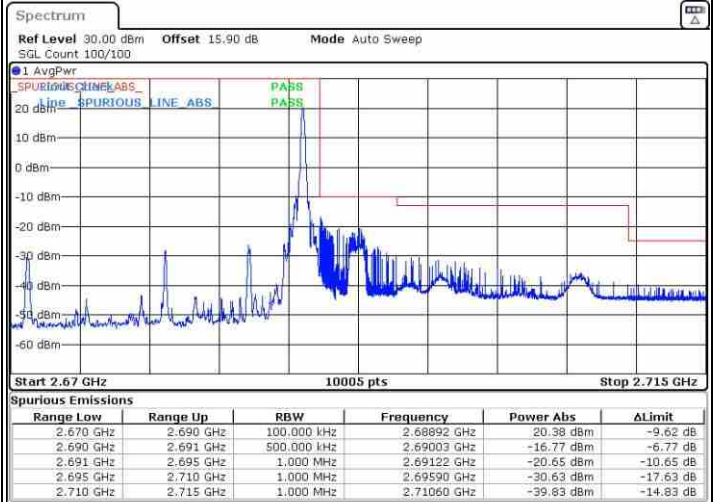
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



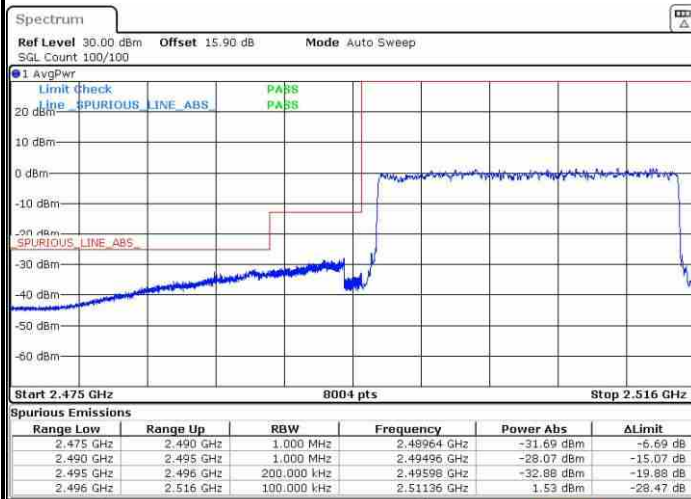
Date: 23 MAY 2019 02:25:53

Highest Band Edge / 1 RB



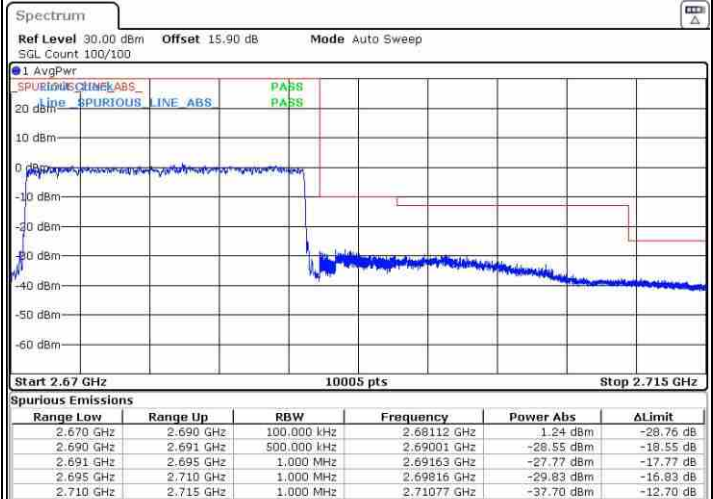
Date: 23 MAY 2019 03:19:38

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:26:56

Highest Band Edge / Full RB

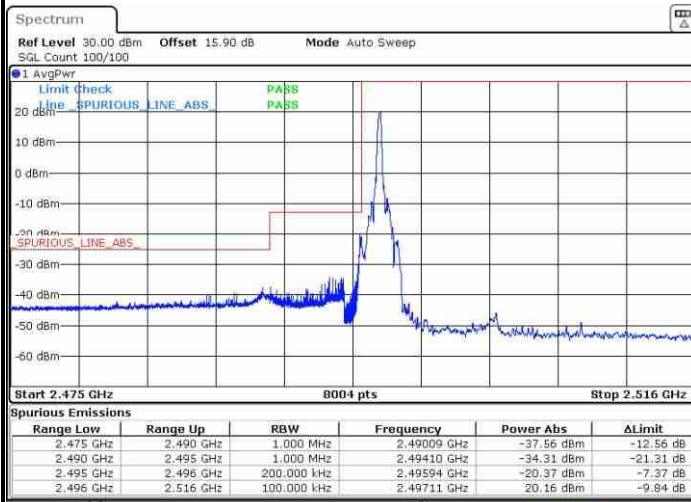


Date: 23 MAY 2019 02:28:30



LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



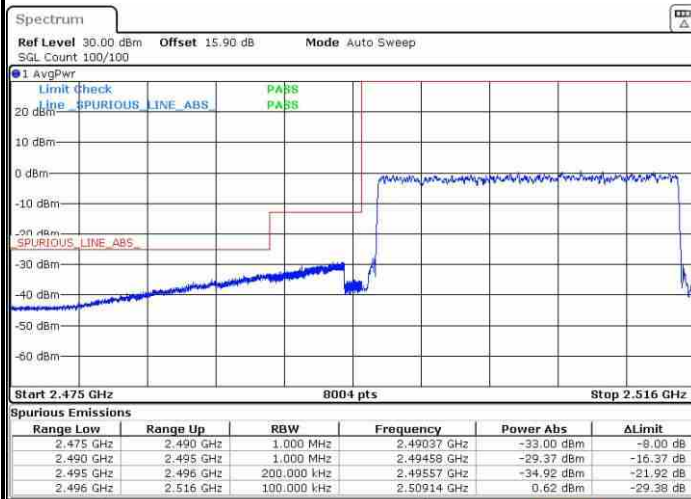
Date: 23 MAY 2019 02:35:57

Highest Band Edge / 1 RB



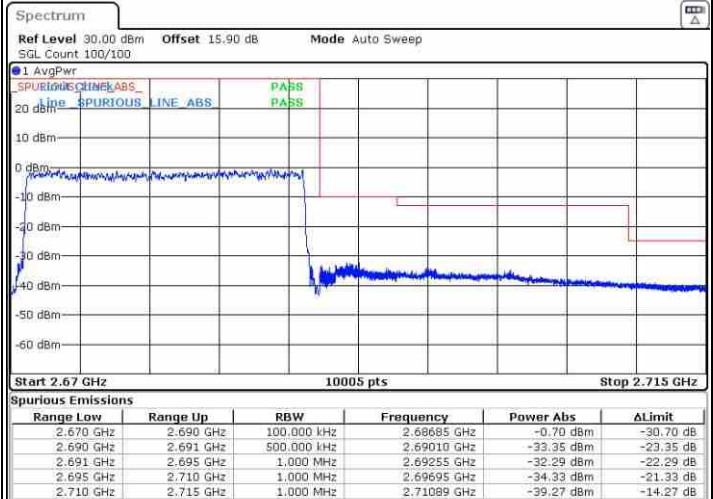
Date: 23 MAY 2019 03:18:43

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:36:29

Highest Band Edge / Full RB



Date: 23 MAY 2019 02:37:32

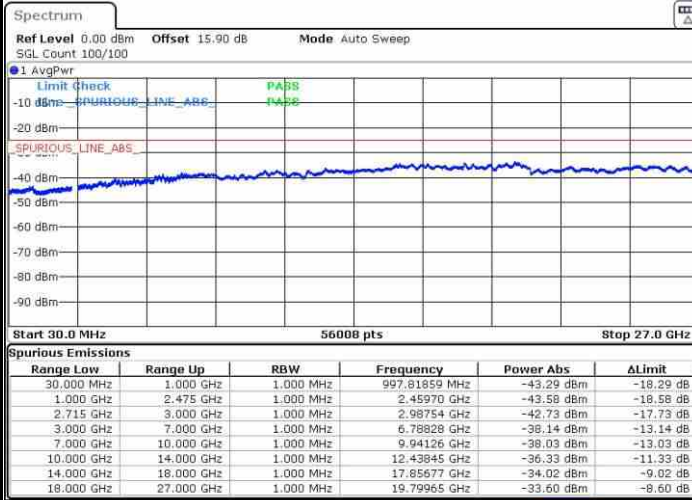


Conducted Spurious Emission



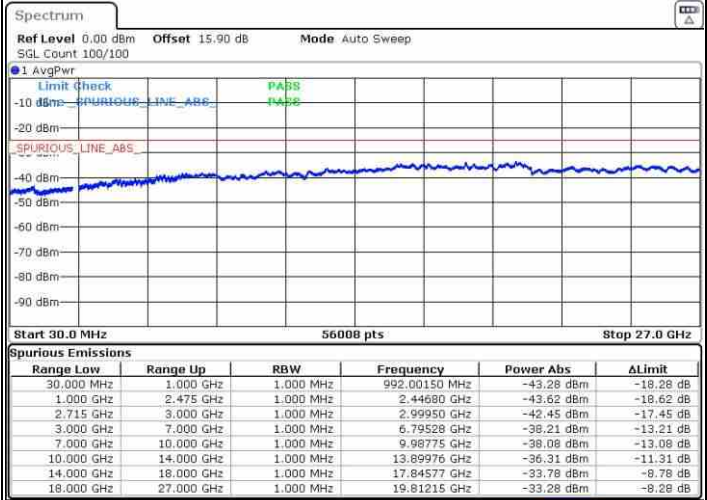
LTE Band 41 / 5MHz

Lowest Channel / QPSK



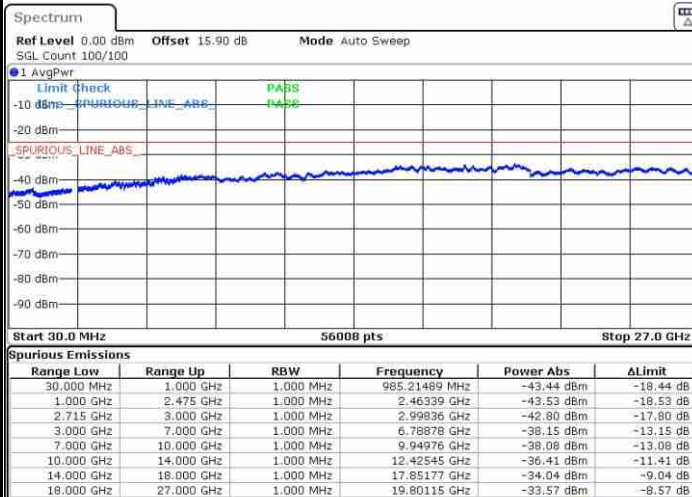
Date: 23 MAY 2019 02:47:30

Lowest Channel / 16QAM



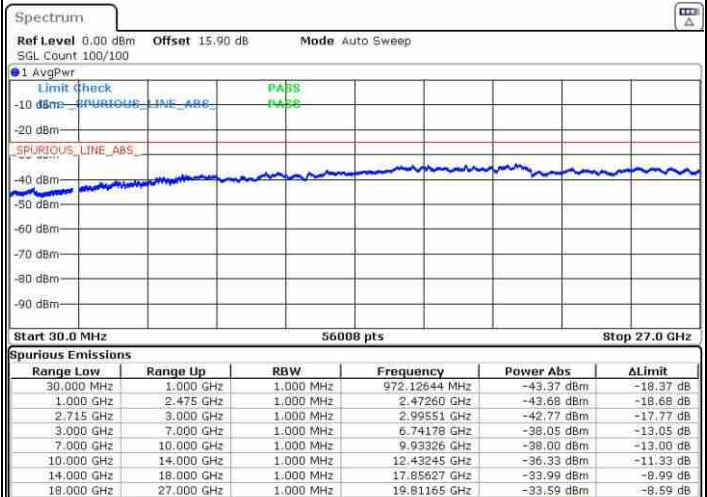
Date: 23 MAY 2019 02:48:16

Middle Channel / QPSK



Date: 23 MAY 2019 02:49:01

Middle Channel / 16QAM

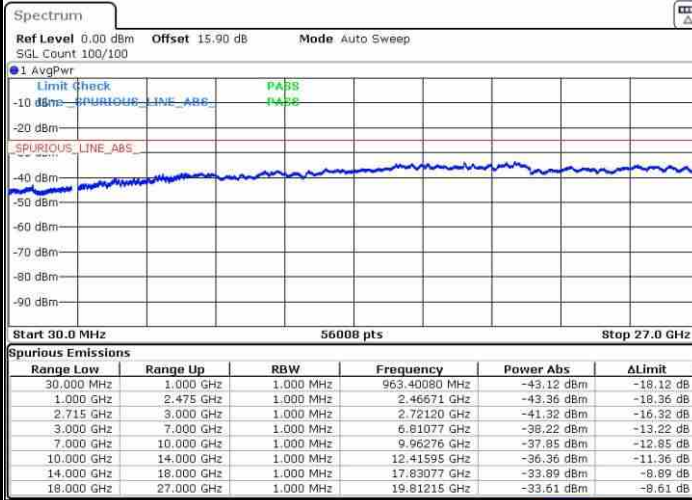


Date: 23 MAY 2019 02:49:47



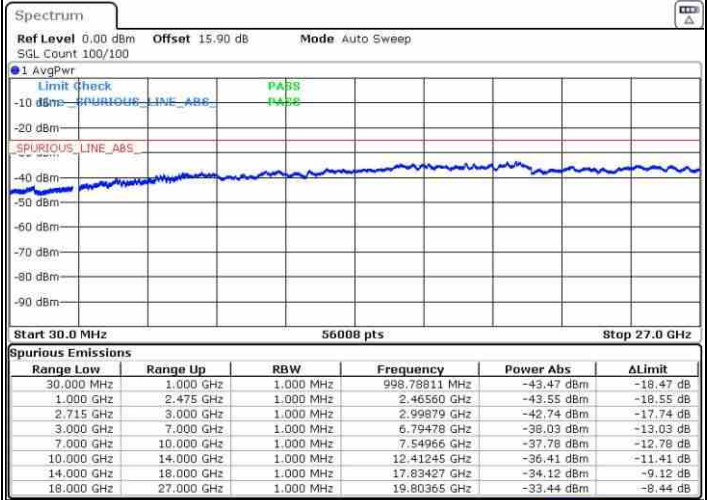
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 23 MAY 2019 02:50:32

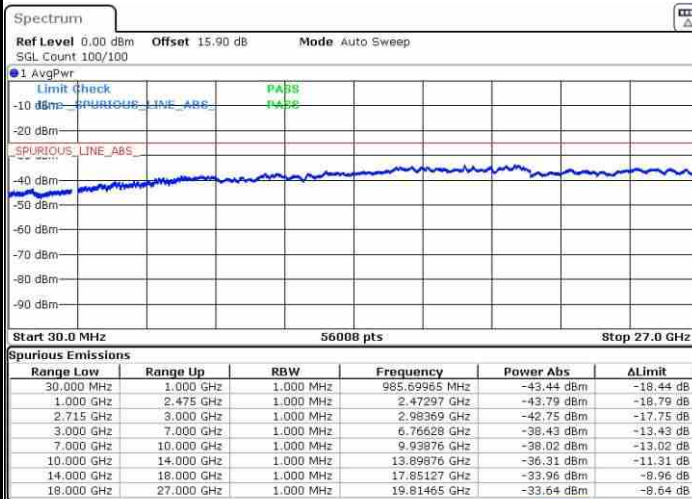
Highest Channel / 16QAM



Date: 23 MAY 2019 02:51:18

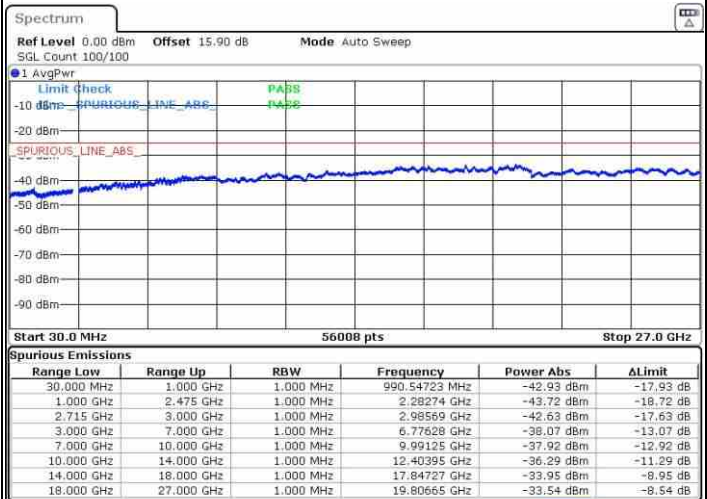
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 23 MAY 2019 02:52:05

Lowest Channel / 16QAM

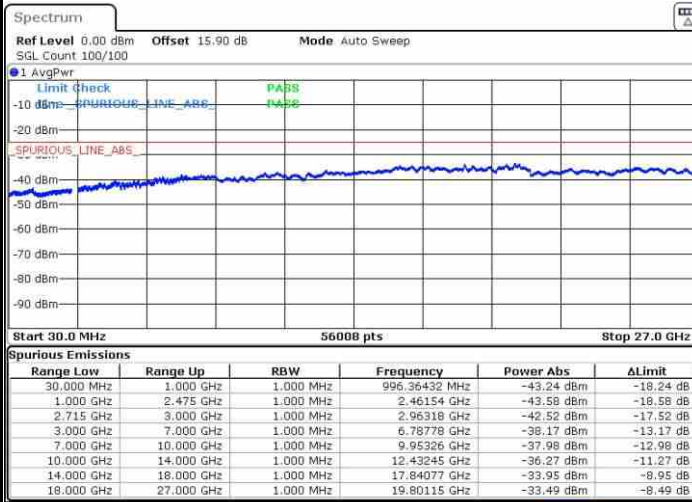


Date: 23 MAY 2019 02:52:01



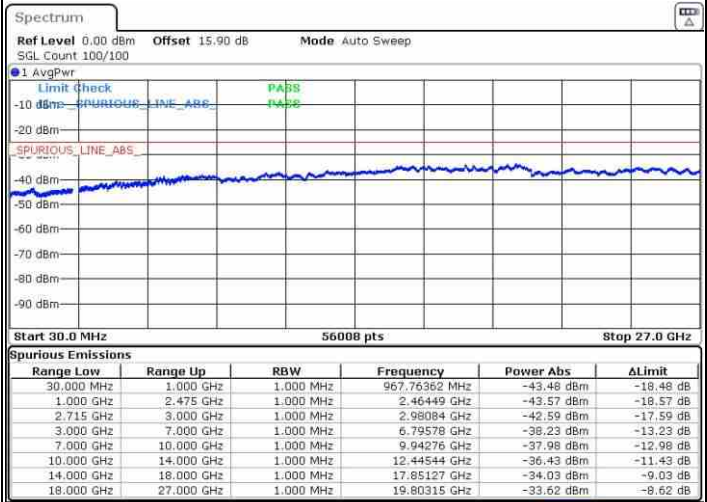
LTE Band 41 / 10MHz

Middle Channel / QPSK



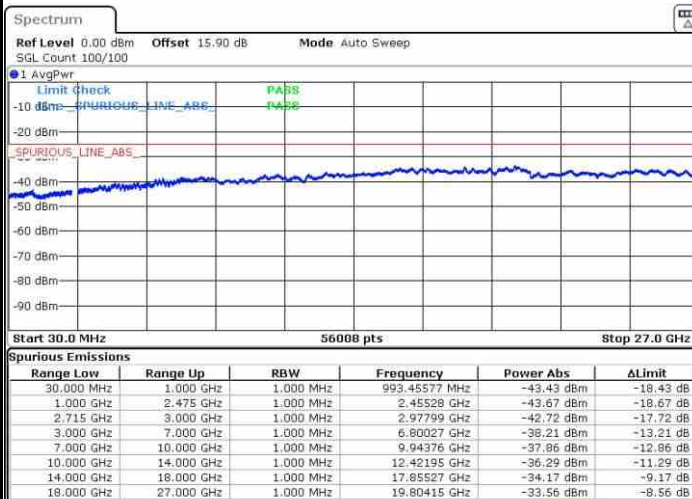
Date: 23 MAY 2019 02:53:36

Middle Channel / 16QAM



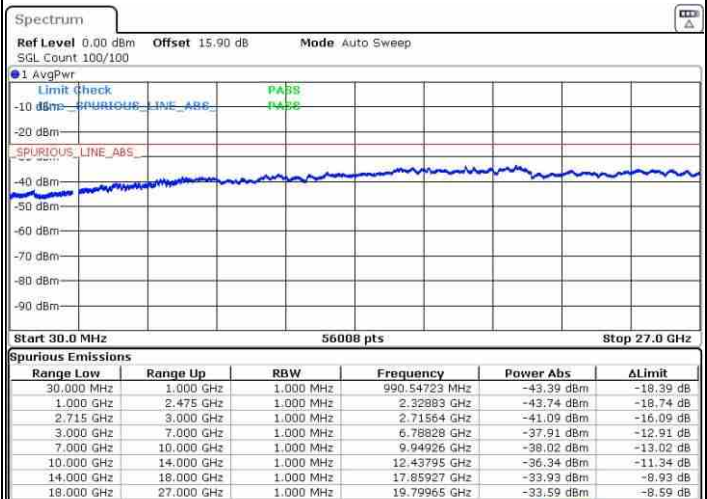
Date: 23 MAY 2019 02:54:21

Highest Channel / QPSK



Date: 23 MAY 2019 02:55:06

Highest Channel / 16QAM

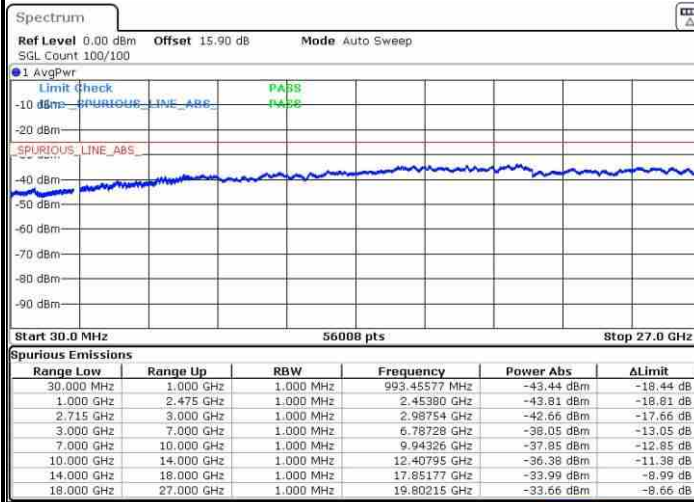


Date: 23 MAY 2019 02:55:52



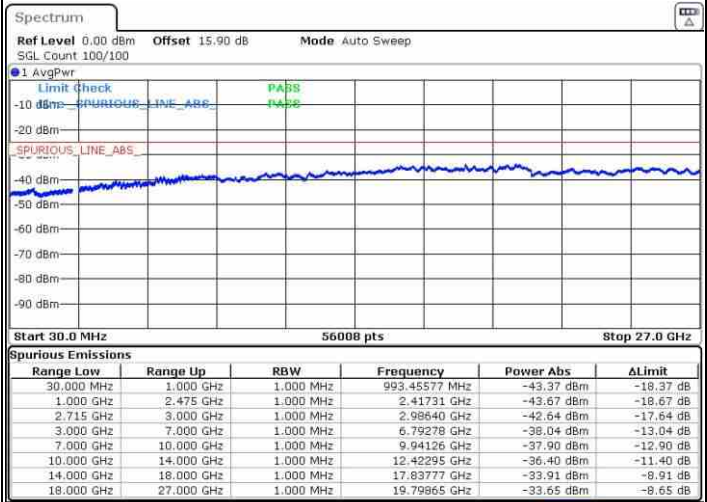
LTE Band 41 / 15MHz

Lowest Channel / QPSK



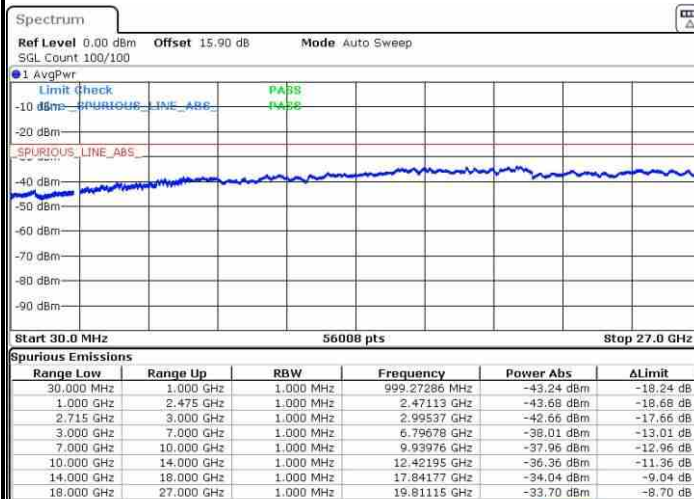
Date: 23 MAY 2019 02:56:39

Lowest Channel / 16QAM



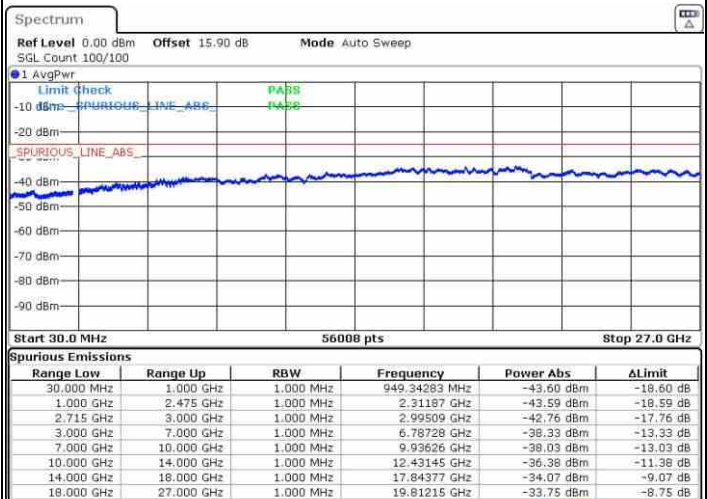
Date: 23 MAY 2019 02:57:25

Middle Channel / QPSK



Date: 23 MAY 2019 02:58:10

Middle Channel / 16QAM

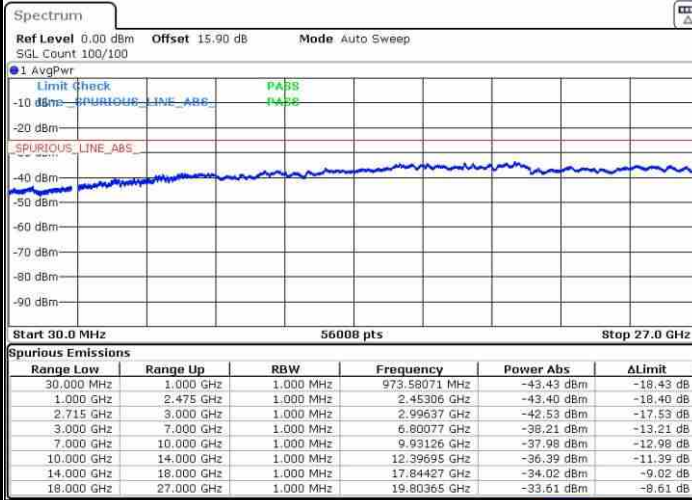


Date: 23 MAY 2019 02:58:55



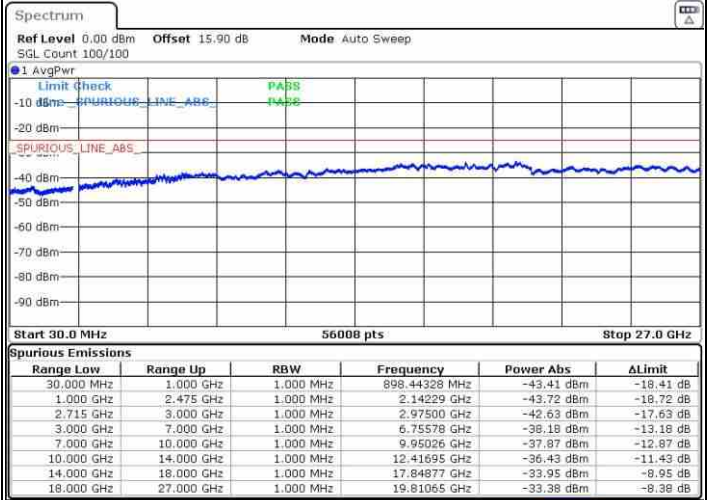
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 23 MAY 2019 02:59:41

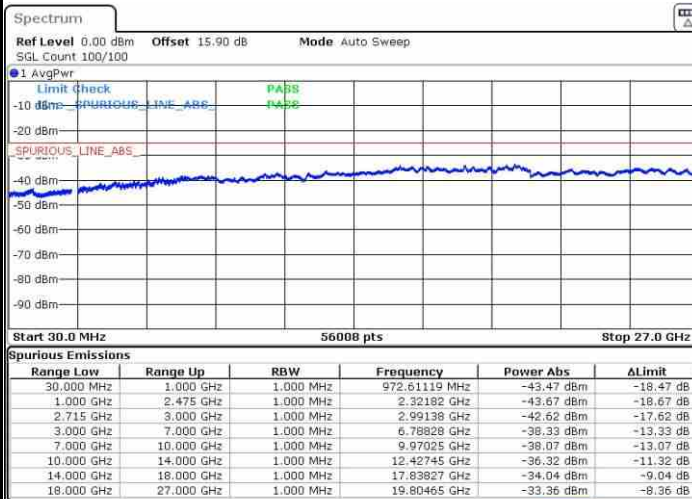
Highest Channel / 16QAM



Date: 23 MAY 2019 03:00:27

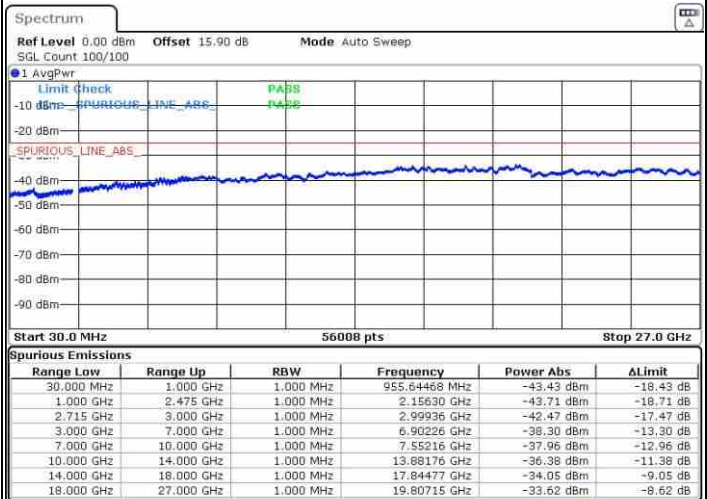
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 23 MAY 2019 03:01:14

Lowest Channel / 16QAM

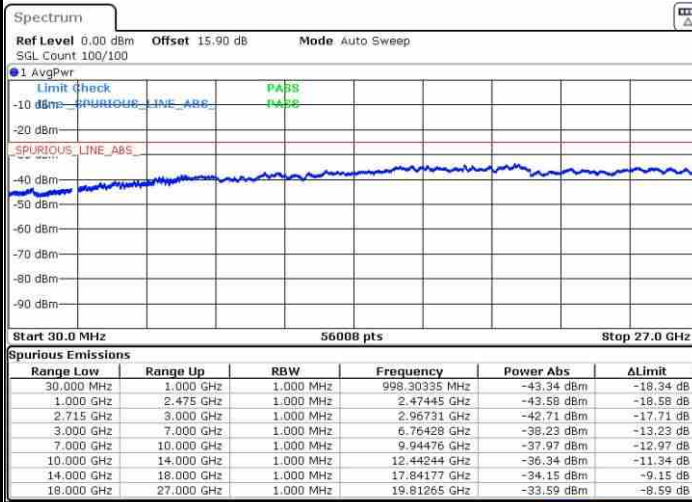


Date: 23 MAY 2019 03:02:00



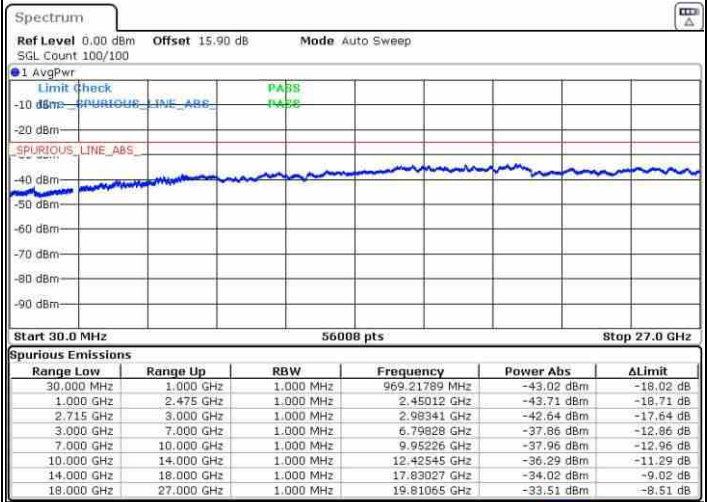
LTE Band 41 / 20MHz

Middle Channel / QPSK



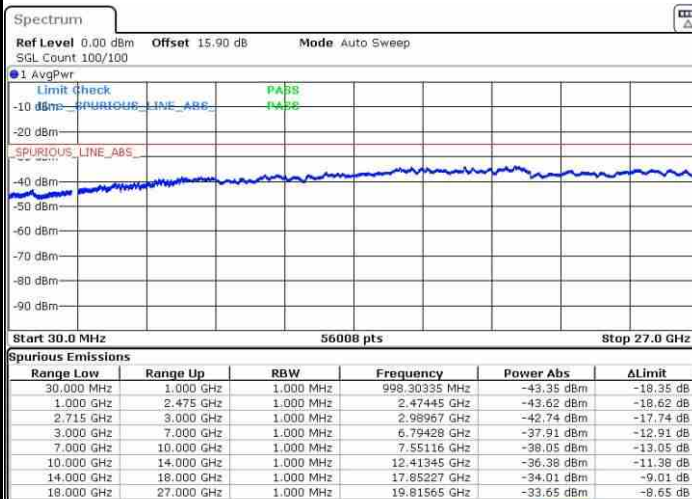
Date: 23 MAY 2019 03:02:45

Middle Channel / 16QAM



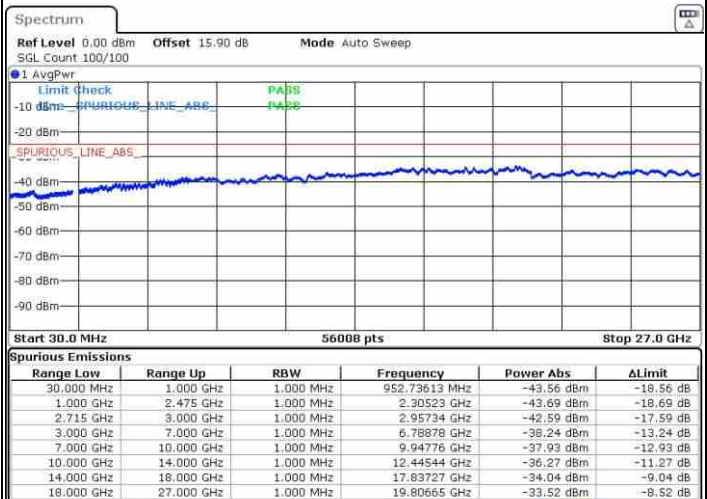
Date: 23 MAY 2019 03:03:30

Highest Channel / QPSK



Date: 23 MAY 2019 03:04:15

Highest Channel / 16QAM

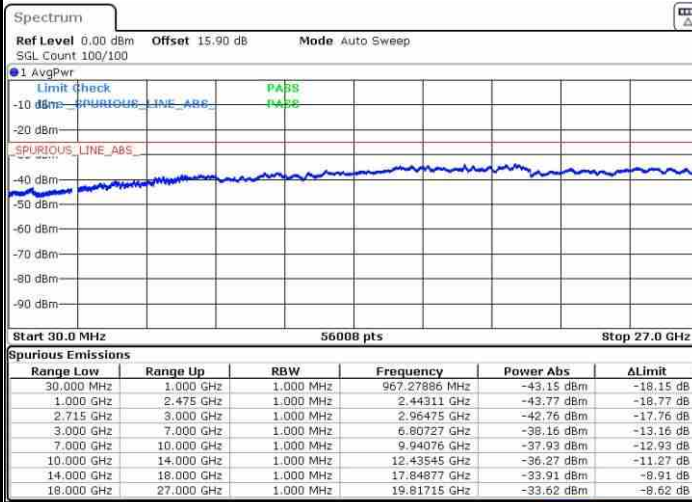


Date: 23 MAY 2019 03:05:01



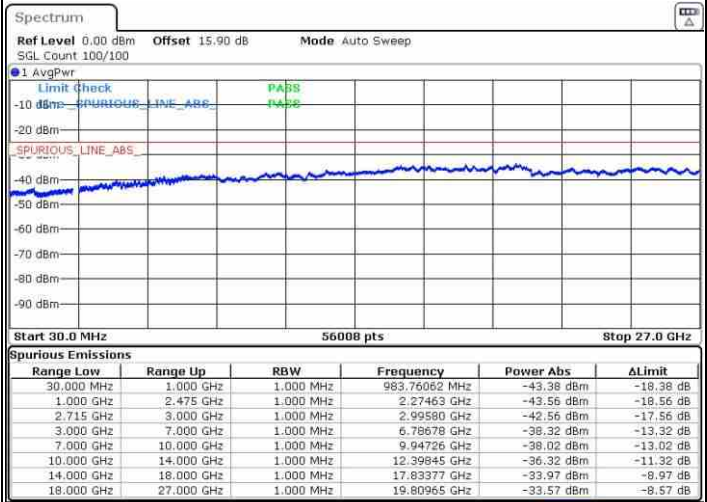
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



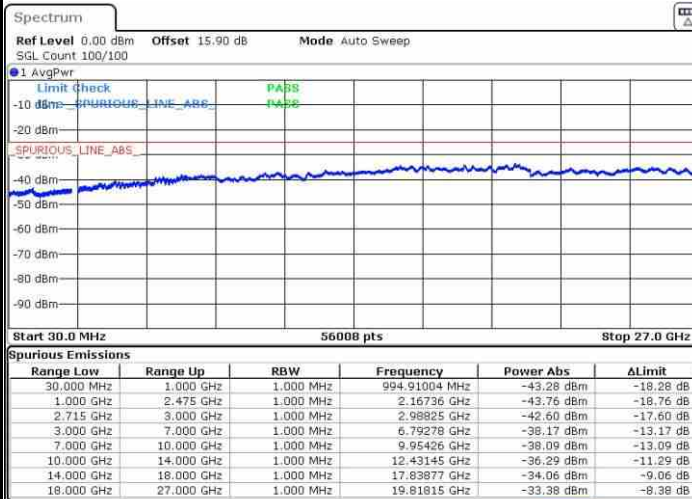
Date: 23 MAY 2019 02:38:19

Middle Channel / 64QAM



Date: 23 MAY 2019 02:39:04

Highest Channel / 64QAM

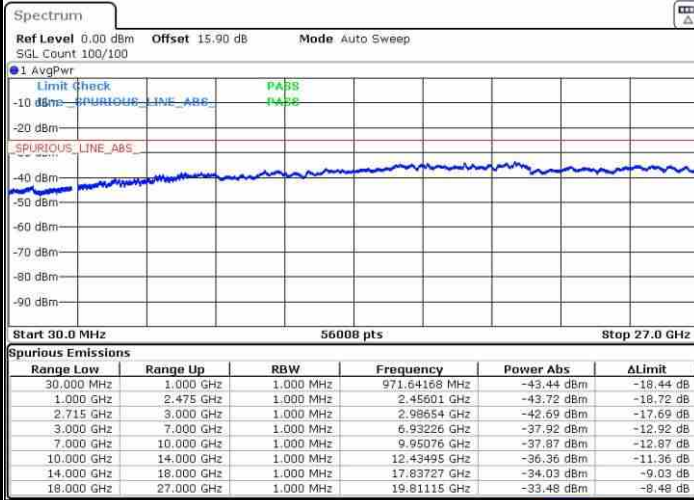


Date: 23 MAY 2019 02:39:50



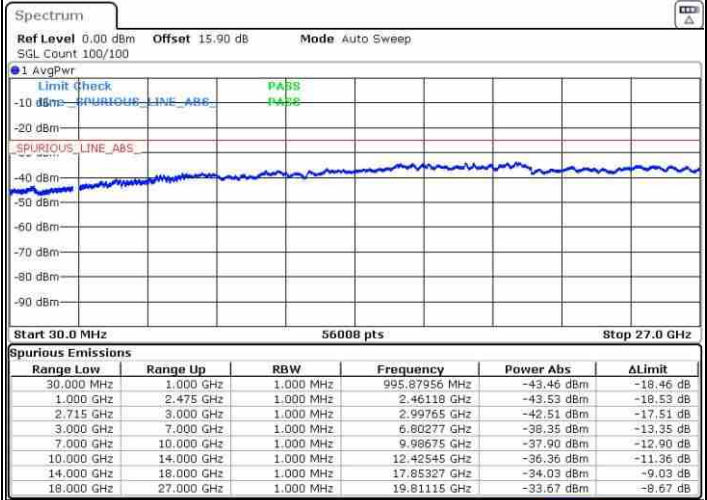
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



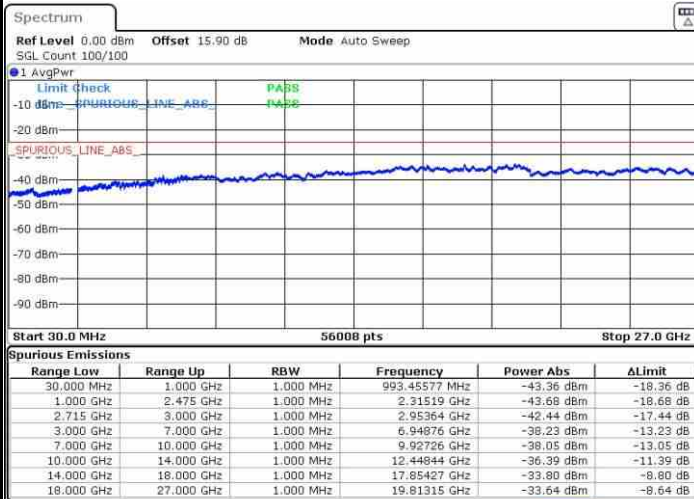
Date: 23 MAY 2019 02:40:37

Middle Channel / 64QAM



Date: 23 MAY 2019 02:41:22

Highest Channel / 64QAM

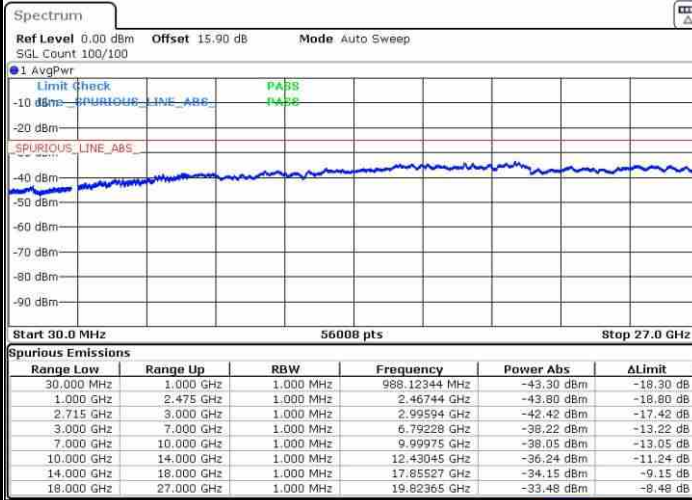


Date: 23 MAY 2019 02:42:08



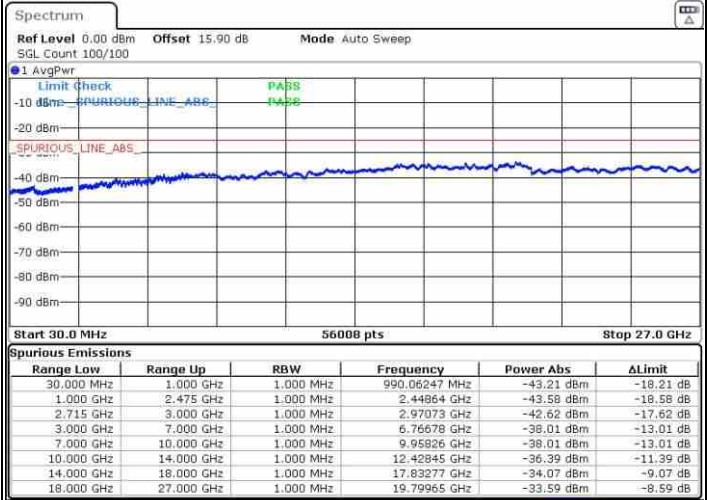
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



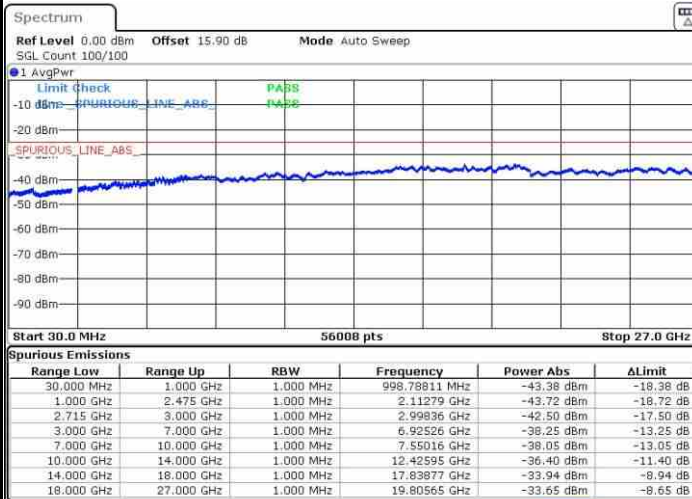
Date: 23 MAY 2019 02:42:55

Middle Channel / 64QAM



Date: 23 MAY 2019 02:43:40

Highest Channel / 64QAM

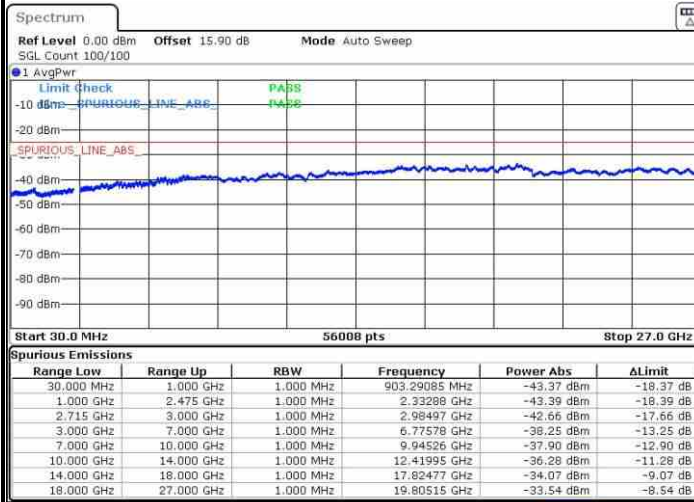


Date: 23 MAY 2019 02:44:25



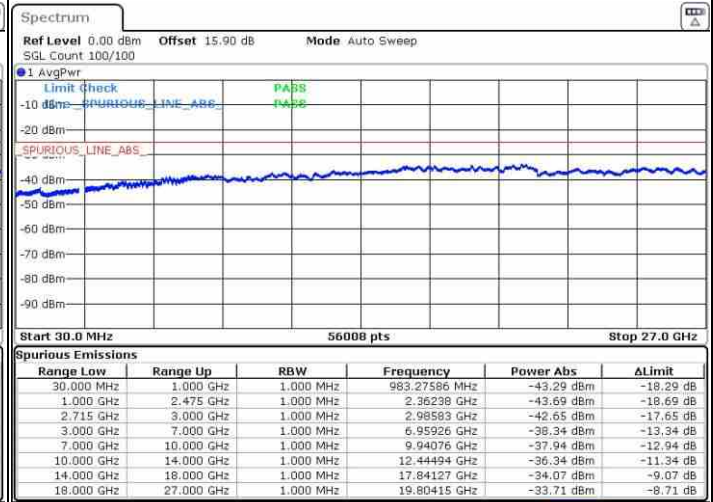
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



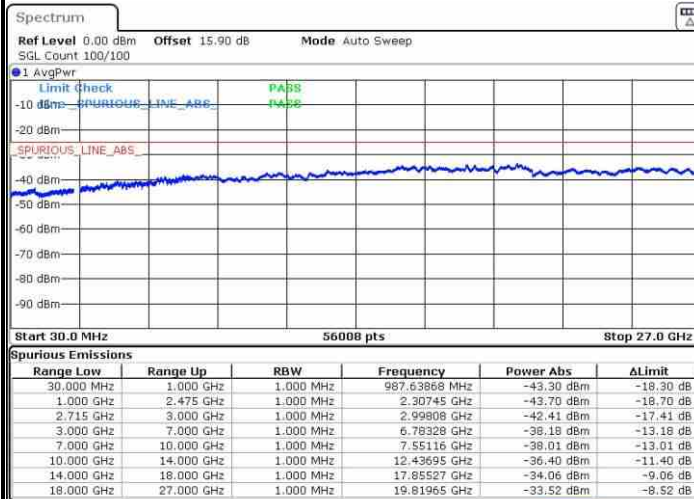
Date: 23 MAY 2019 02:45:12

Middle Channel / 64QAM



Date: 23 MAY 2019 02:45:58

Highest Channel / 64QAM



Date: 23 MAY 2019 02:46:43

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 66

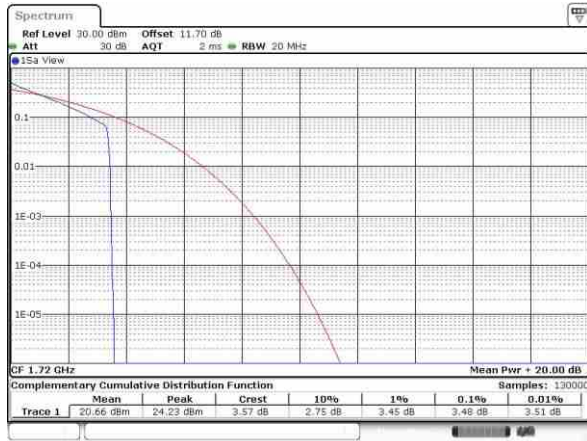
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.49	4.26	5.59	PASS
Middle CH	3.45	5.01	4.23	5.57	
Highest CH	3.59	4.61	4.17	5.65	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.64	-	-	PASS
Middle CH	5.51	6.52	-	-	
Highest CH	5.42	6.64	-	-	

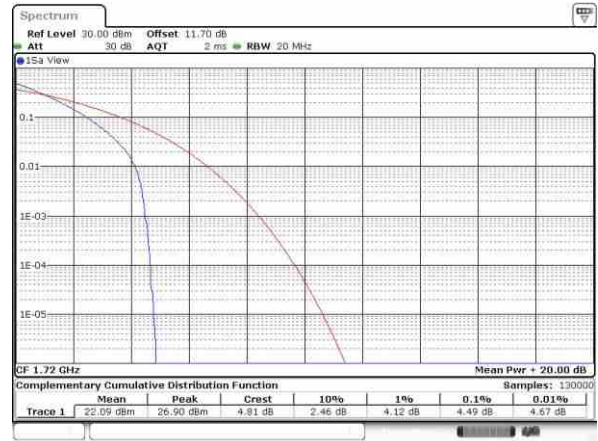


LTE Band 66 / 20MHz / QPSK

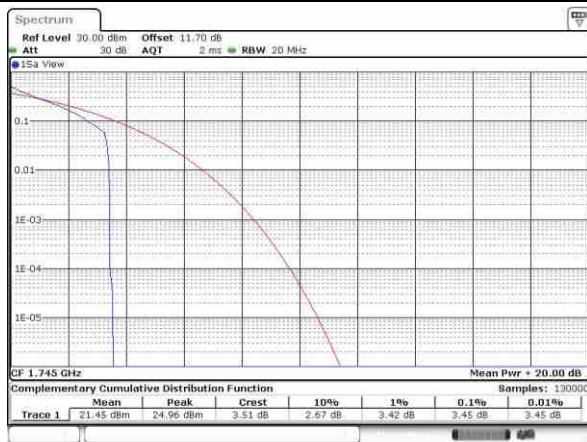
Lowest Channel / 1RB



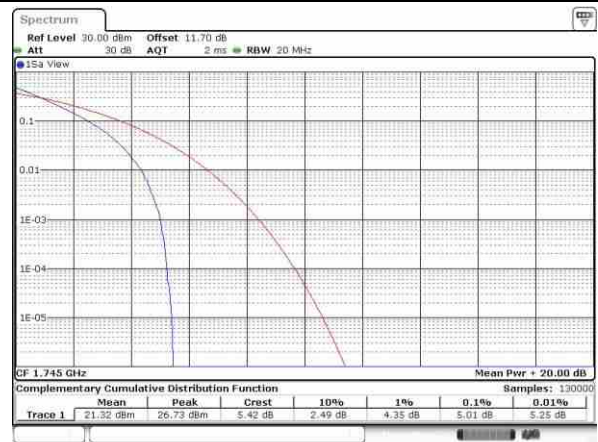
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

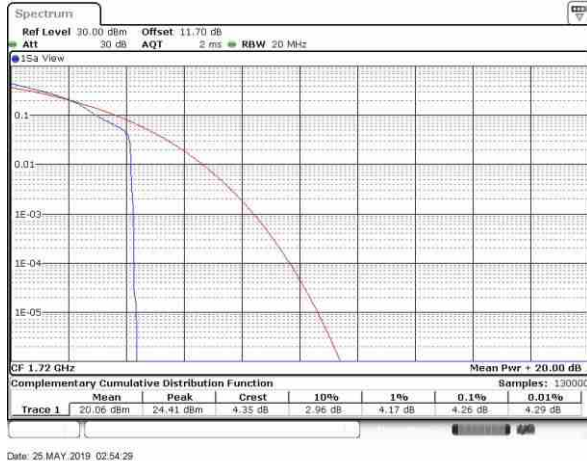


Highest Channel / 1RB

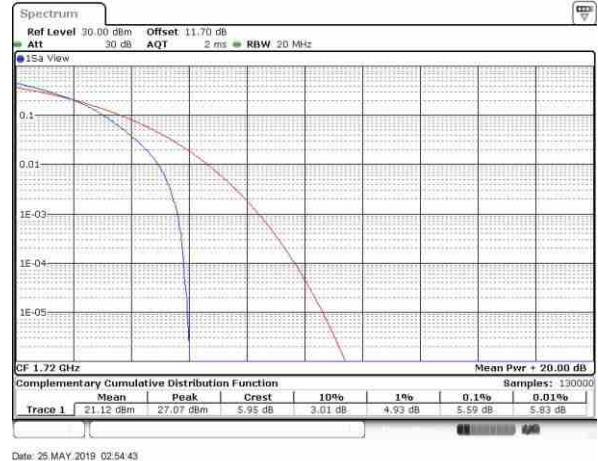


Highest Channel / Full RB

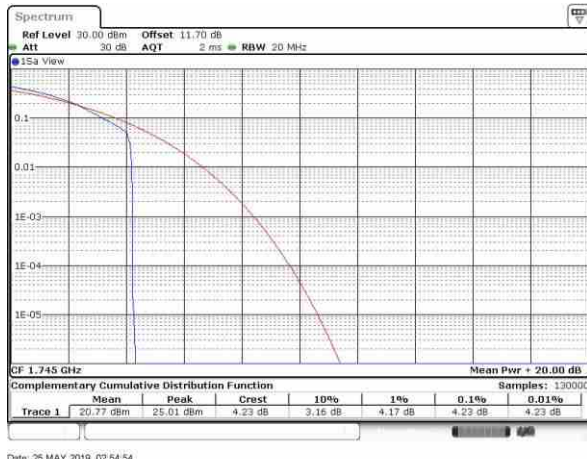


LTE Band 66 / 20MHz / 16QAM
Lowest Channel / 1RB


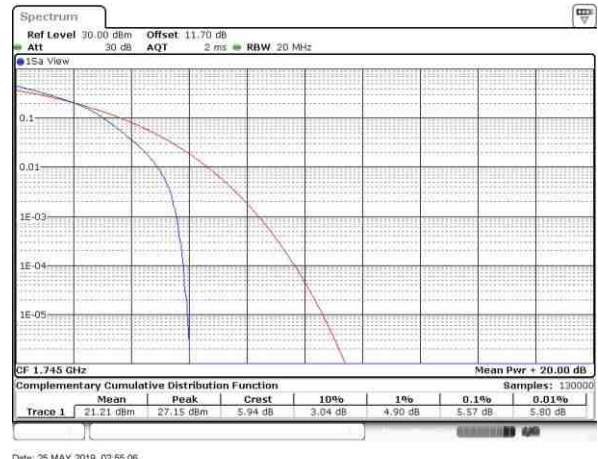
Date: 25 MAY 2019 02:54:29

Lowest Channel / Full RB


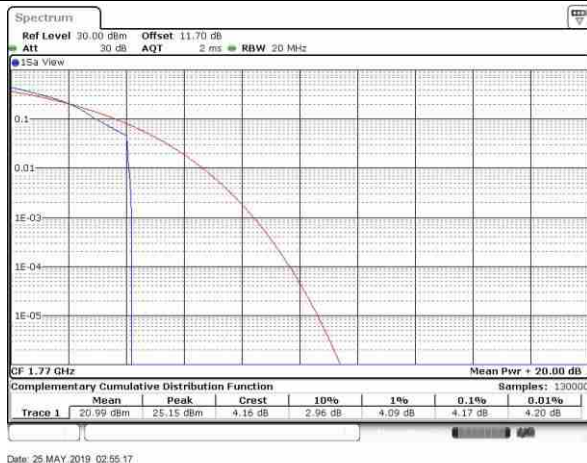
Date: 25 MAY 2019 02:54:43

Middle Channel / 1RB


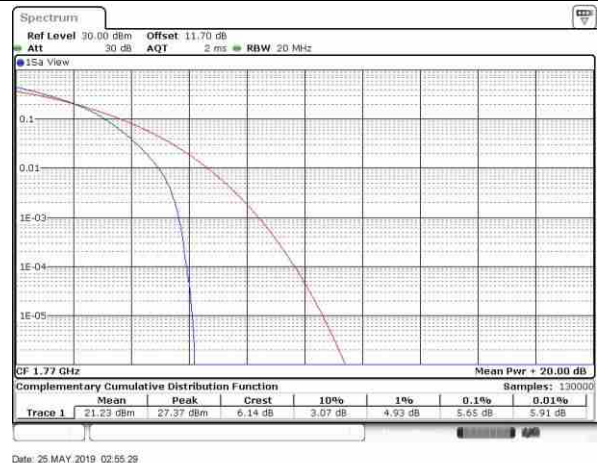
Date: 25 MAY 2019 02:54:54

Middle Channel / Full RB


Date: 25 MAY 2019 02:55:06

Highest Channel / 1RB


Date: 25 MAY 2019 02:55:17

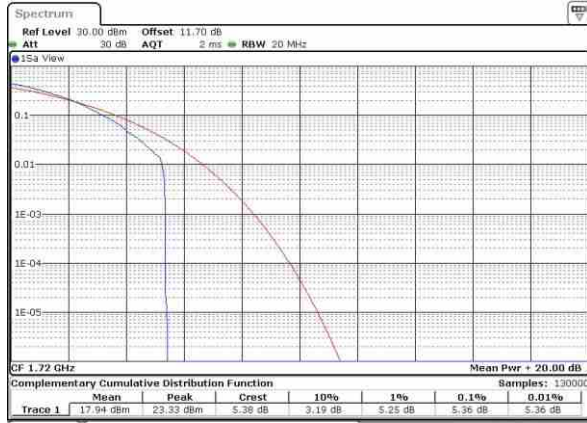
Highest Channel / Full RB


Date: 25 MAY 2019 02:55:29



LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 25 MAY 2019 02:56:52

Lowest Channel / Full RB



Date: 25 MAY 2019 02:57:51

Middle Channel / 1RB



Date: 25 MAY 2019 02:58:47

Middle Channel / Full RB



Date: 25 MAY 2019 02:58:58

Highest Channel / 1RB



Date: 25 MAY 2019 02:59:42

Highest Channel / Full RB



Date: 25 MAY 2019 02:59:53

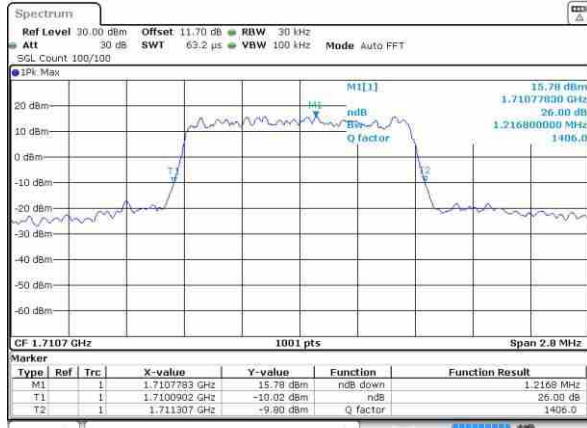
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.22	1.23	3.03	2.97	4.97	4.86	9.85	9.89	14.27	14.45	18.74	19.22
Middle CH	1.24	1.23	3.05	3.04	4.91	4.91	9.67	9.79	14.36	14.60	19.26	18.94
Highest CH	1.23	1.23	3.04	3.00	4.93	4.86	9.75	9.77	14.45	14.18	19.02	19.02
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.03	-	4.83	-	9.81	-	14.27	-	18.86	-
Middle CH	1.23	-	3.06	-	4.91	-	9.87	-	14.48	-	19.02	-
Highest CH	1.24	-	3.02	-	4.88	-	9.89	-	14.30	-	18.82	-

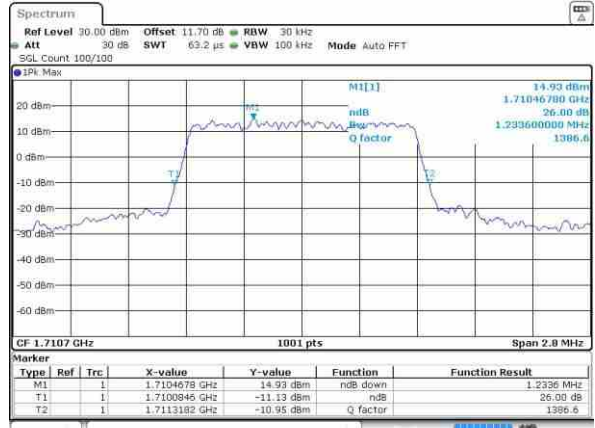


LTE Band 66

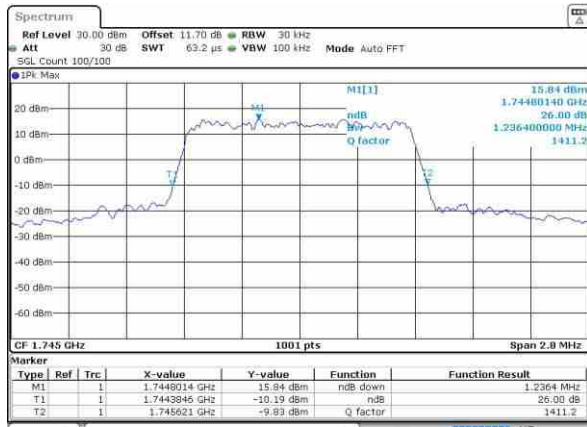
Lowest Channel / 1.4MHz / QPSK



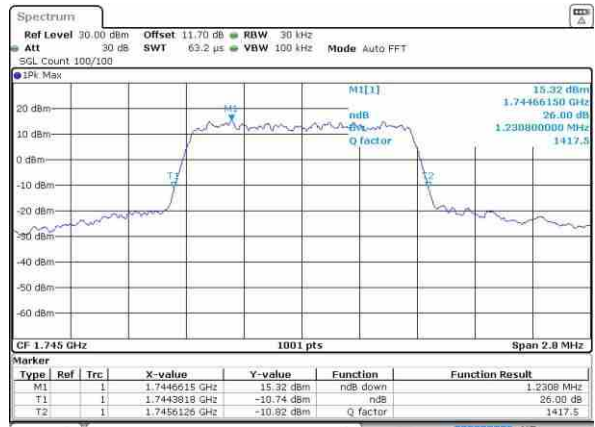
Lowest Channel / 1.4MHz / 16QAM



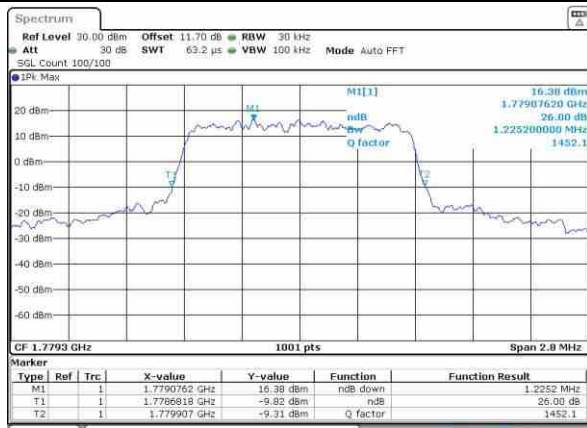
Middle Channel / 1.4MHz / QPSK



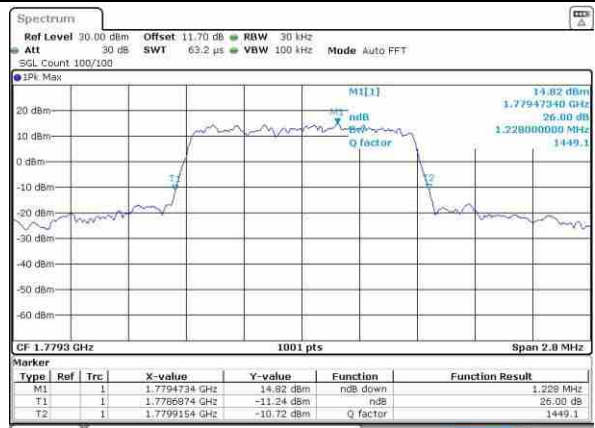
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



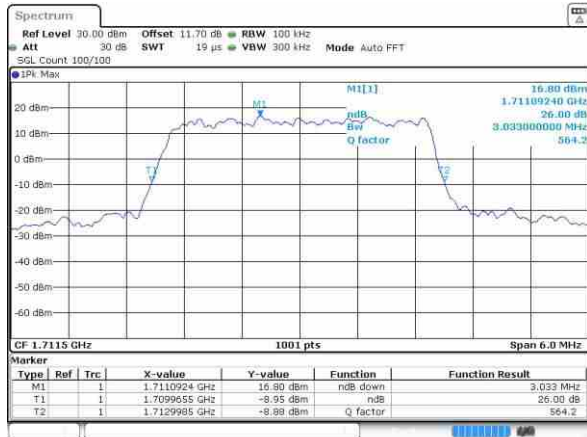
Highest Channel / 1.4MHz / 16QAM





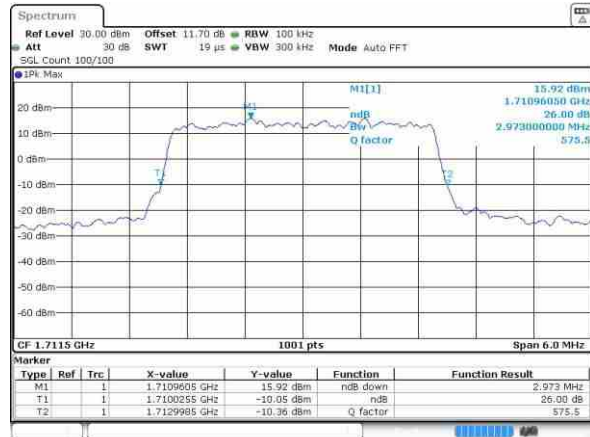
LTE Band 66

Lowest Channel / 3MHz / QPSK



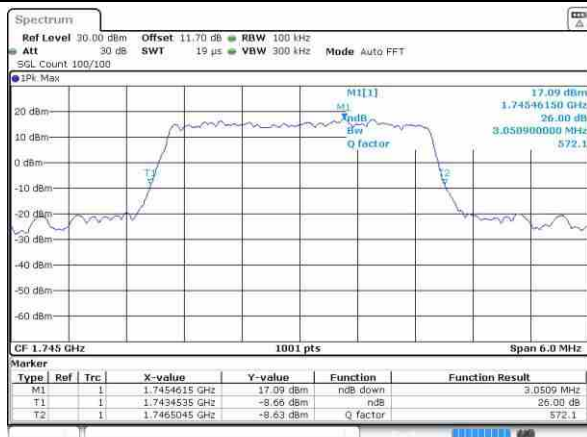
Date: 24 MAY 2019 02:06:53

Lowest Channel / 3MHz / 16QAM



Date: 24 MAY 2019 02:07:05

Middle Channel / 3MHz / QPSK



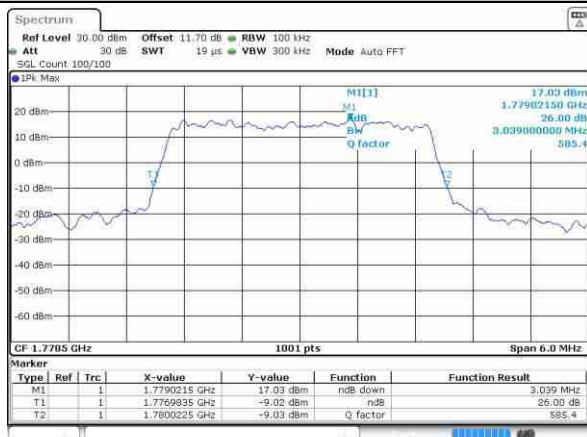
Date: 24 MAY 2019 02:13:14

Middle Channel / 3MHz / 16QAM



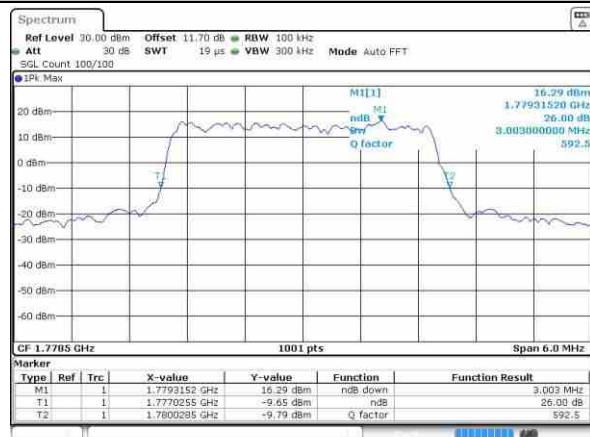
Date: 24 MAY 2019 02:13:26

Highest Channel / 3MHz / QPSK



Date: 24 MAY 2019 02:15:28

Highest Channel / 3MHz / 16QAM

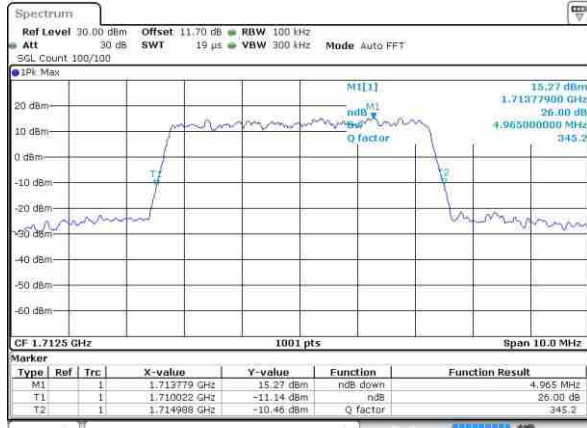


Date: 24 MAY 2019 02:15:40

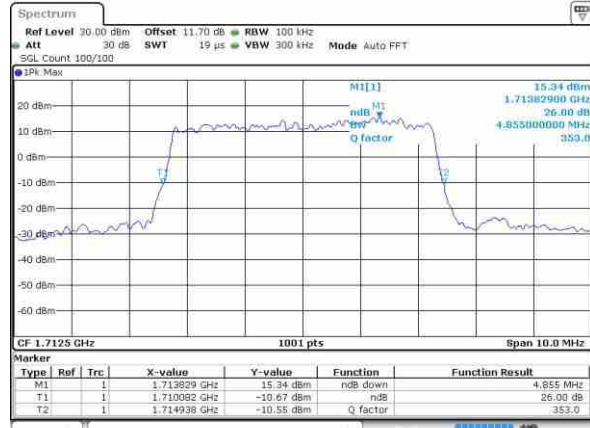


LTE Band 66

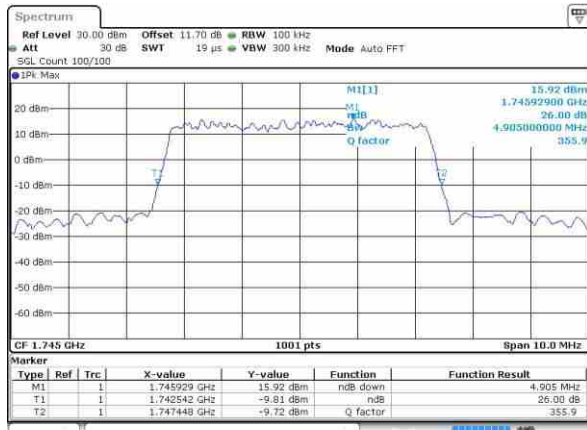
Lowest Channel / 5MHz / QPSK



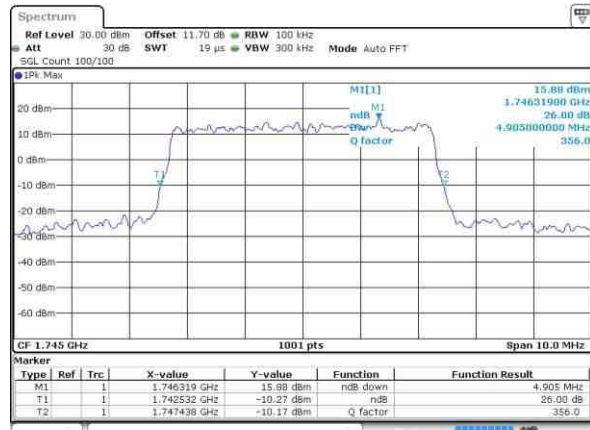
Lowest Channel / 5MHz / 16QAM



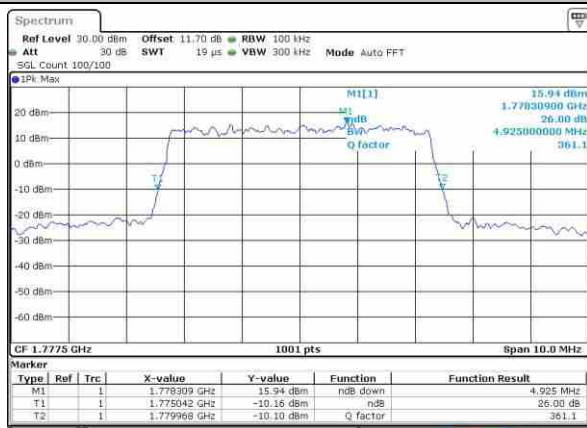
Middle Channel / 5MHz / QPSK



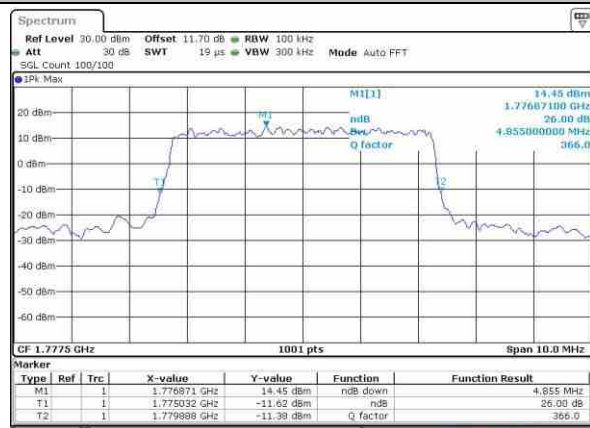
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



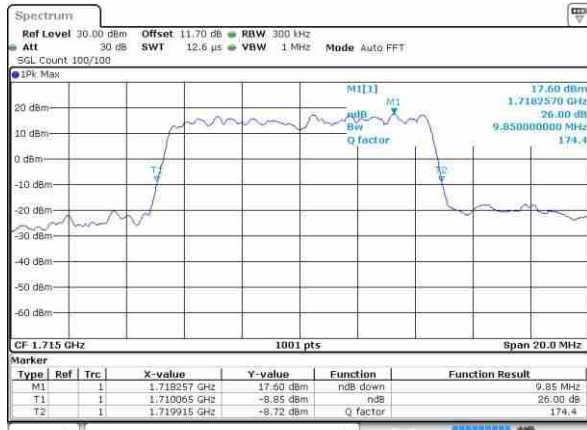
Highest Channel / 5MHz / 16QAM



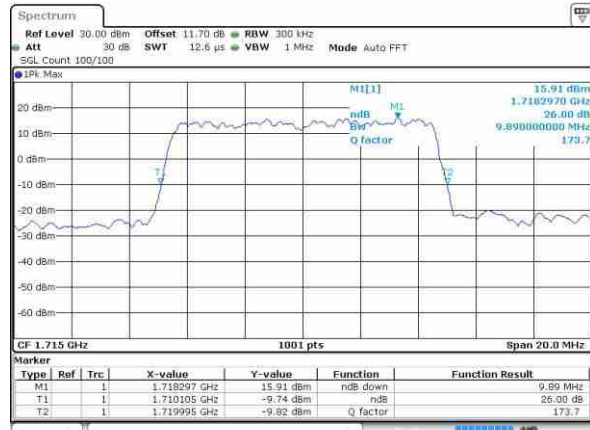


LTE Band 66

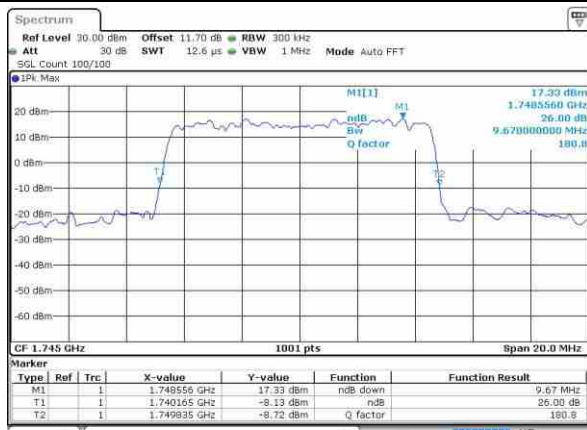
Lowest Channel / 10MHz / QPSK



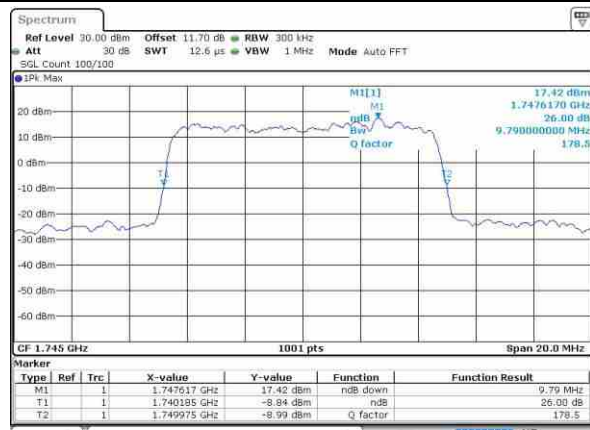
Lowest Channel / 10MHz / 16QAM



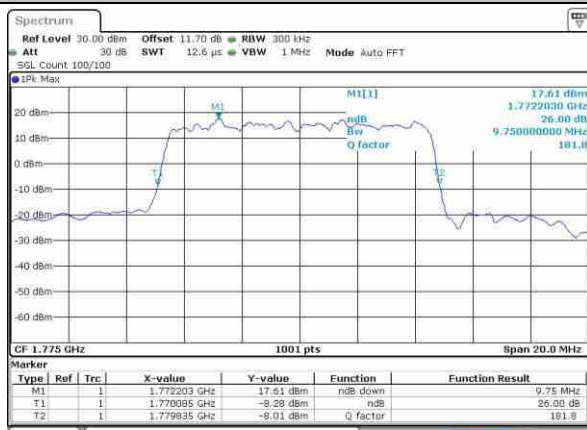
Middle Channel / 10MHz / QPSK



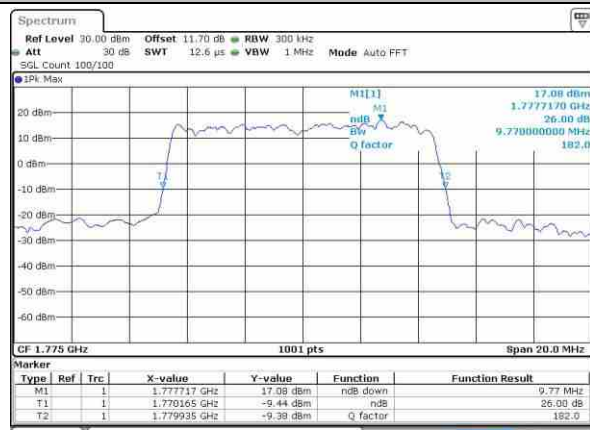
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



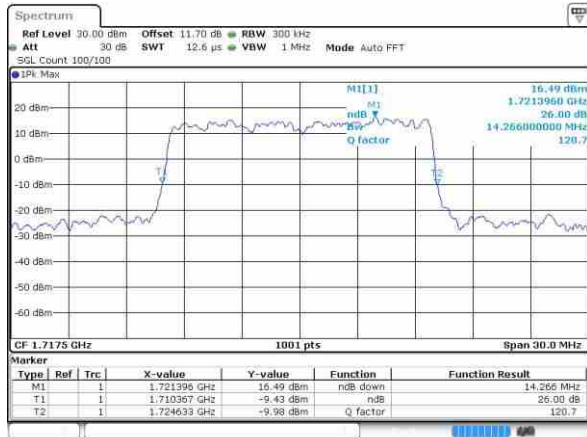
Highest Channel / 10MHz / 16QAM



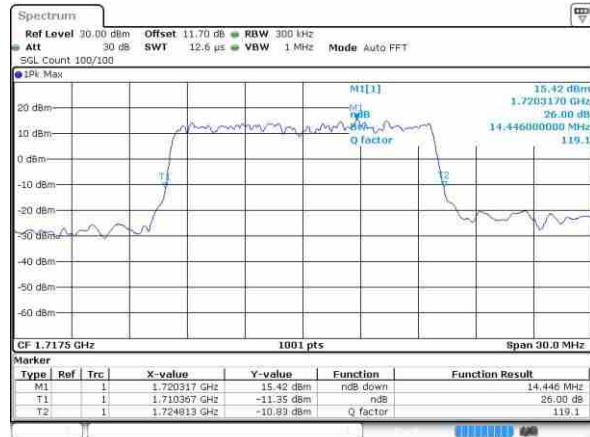


LTE Band 66

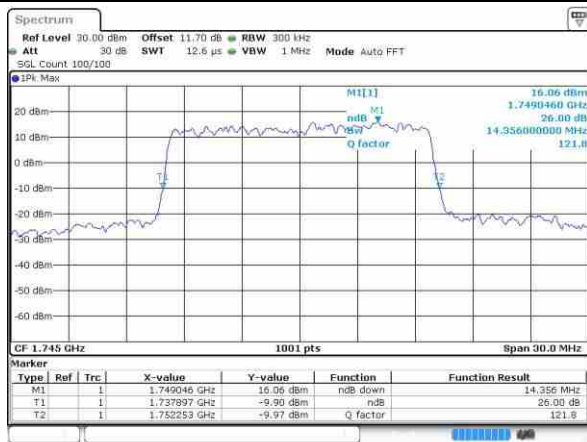
Lowest Channel / 15MHz / QPSK



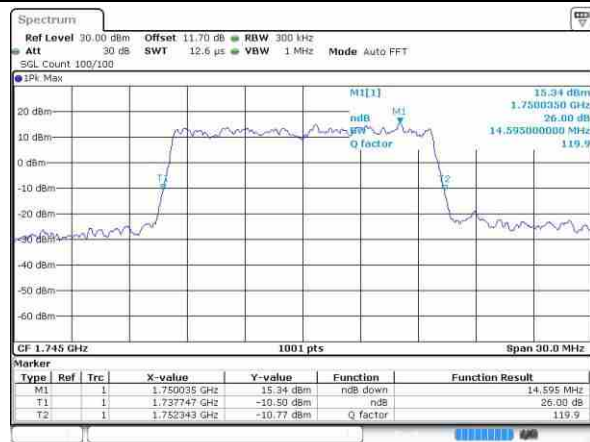
Lowest Channel / 15MHz / 16QAM



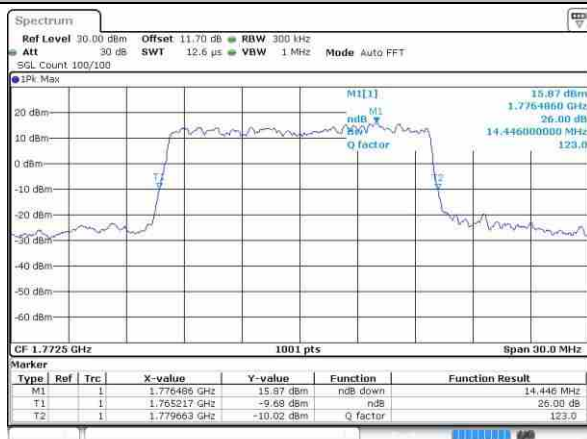
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

