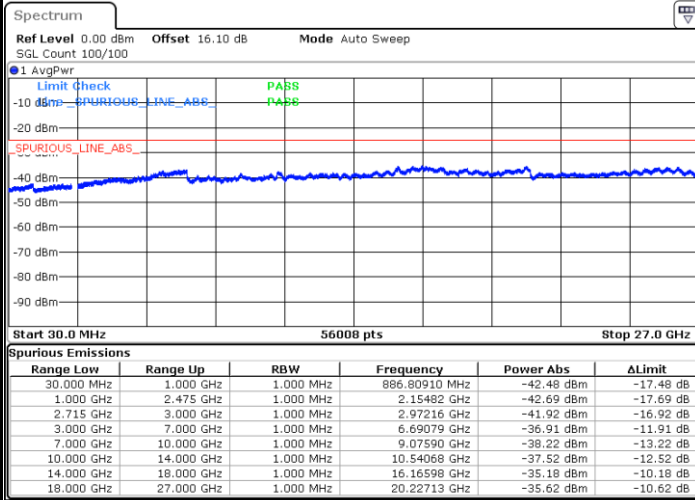




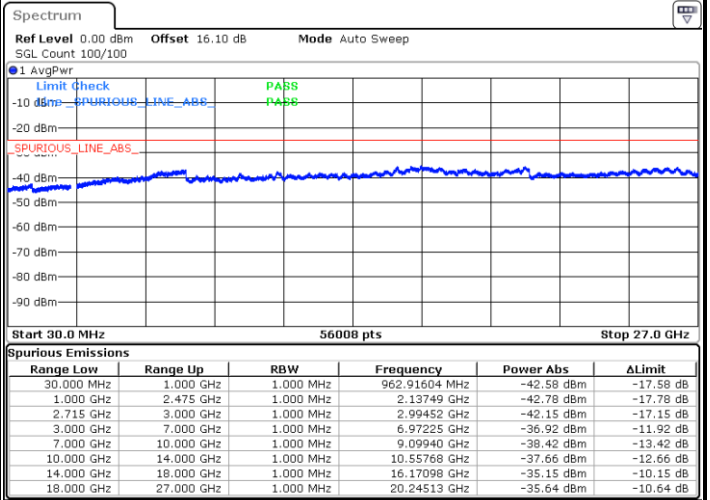
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 14.FEB.2018 17:50:25

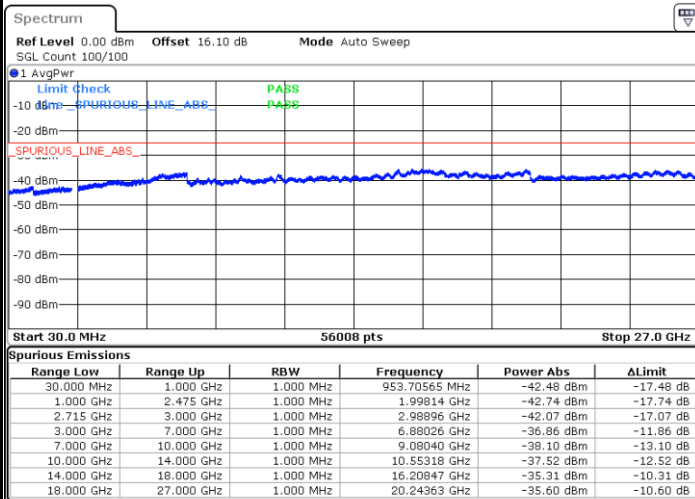
Highest Channel / 16QAM



Date: 14.FEB.2018 17:51:19

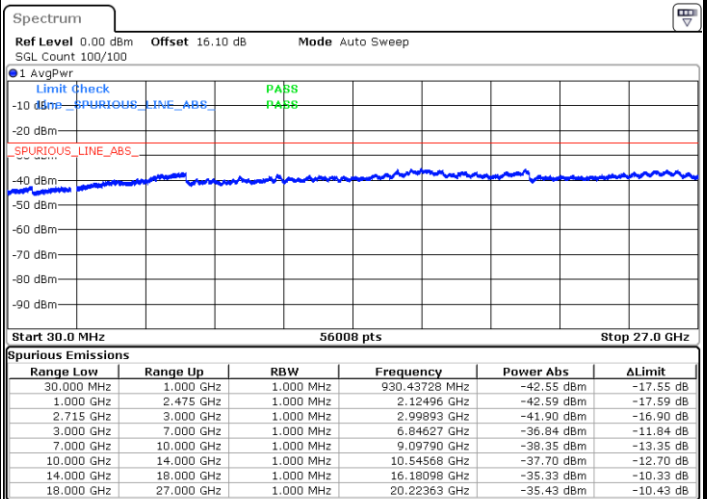
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 14.FEB.2018 17:57:06

Lowest Channel / 16QAM



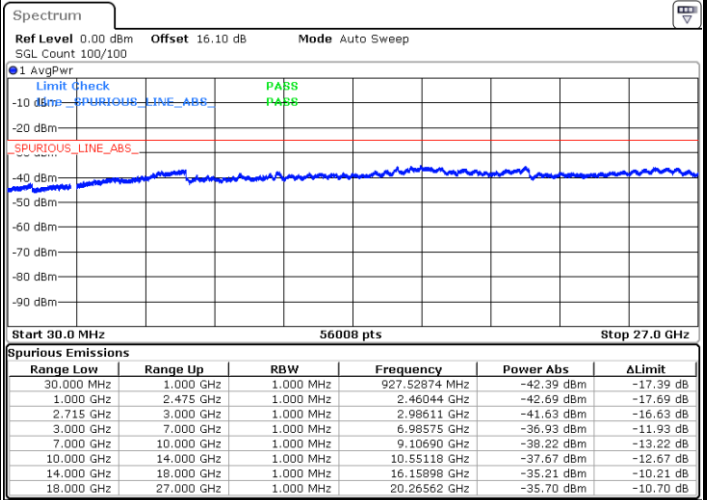
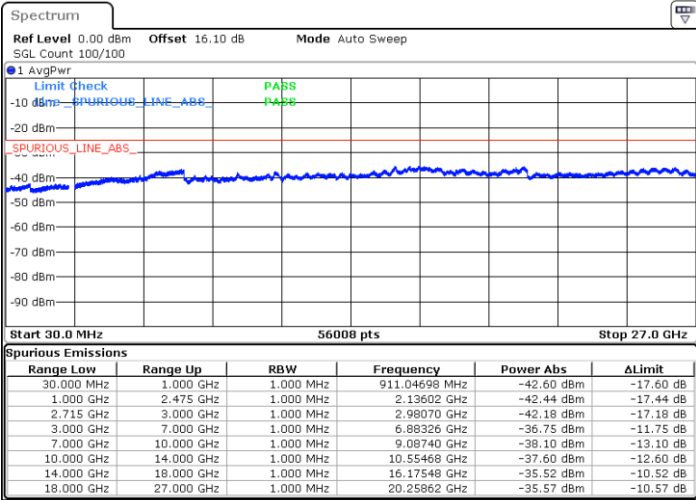
Date: 14.FEB.2018 17:57:59



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

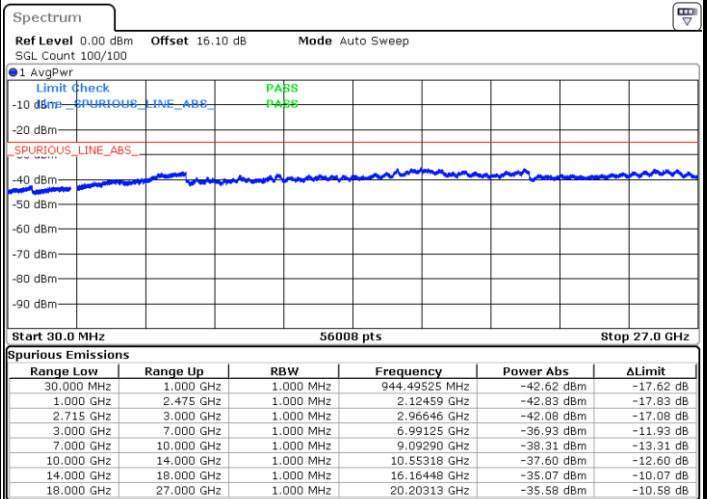
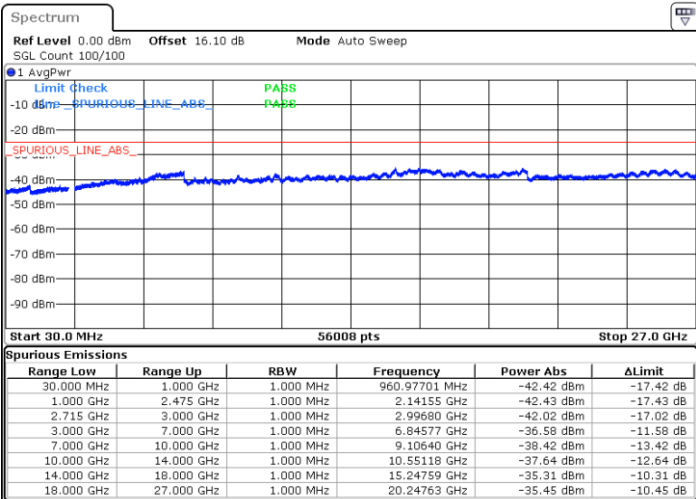


Date: 14.FEB.2018 17:58:53

Date: 14.FEB.2018 17:59:47

Highest Channel / QPSK

Highest Channel / 16QAM



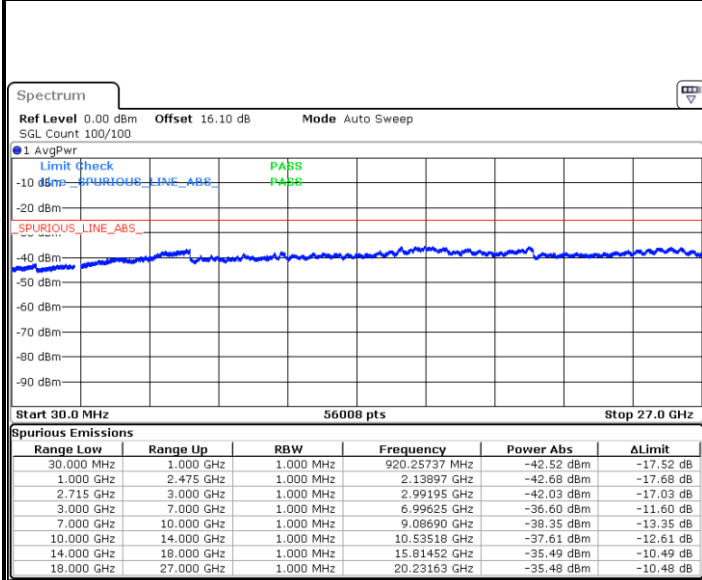
Date: 14.FEB.2018 18:00:41

Date: 14.FEB.2018 18:01:34



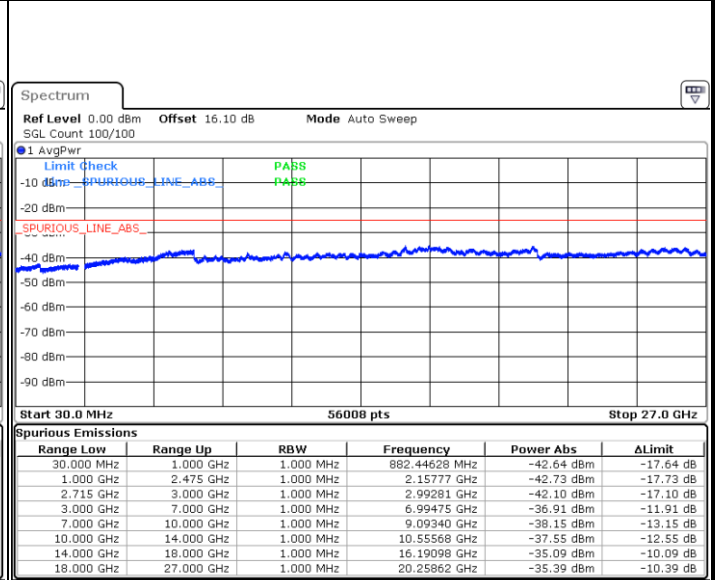
**LTE Band 41 / 5MHz**

**Lowest Channel / 64QAM**



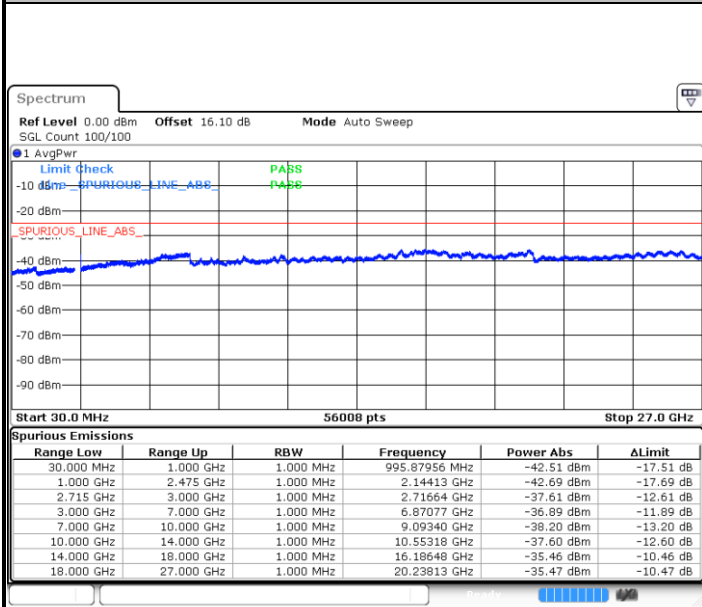
Date: 14.FEB.2018 17:25:21

**Middle Channel / 64QAM**



Date: 14.FEB.2018 17:26:15

**Highest Channel / 64QAM**

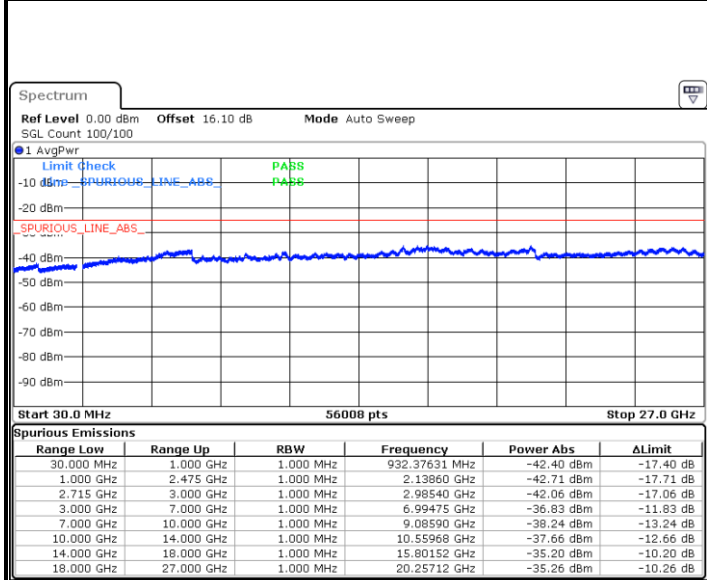


Date: 14.FEB.2018 17:27:09



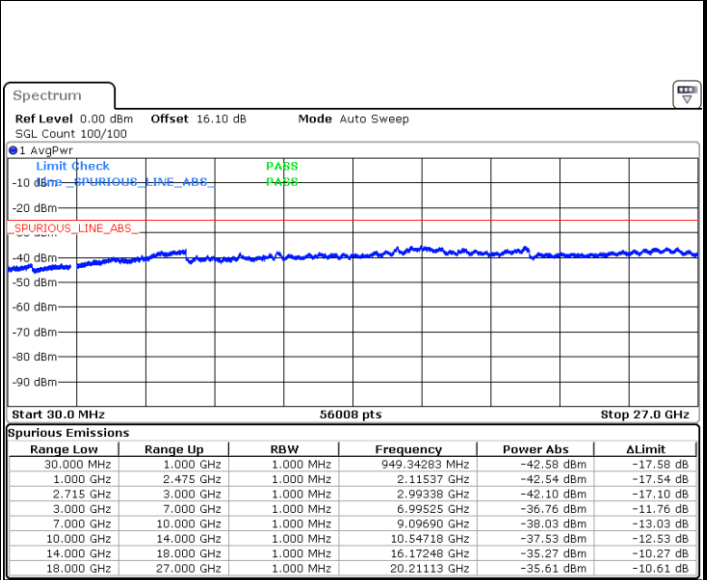
**LTE Band 41 / 10MHz**

**Lowest Channel / 64QAM**



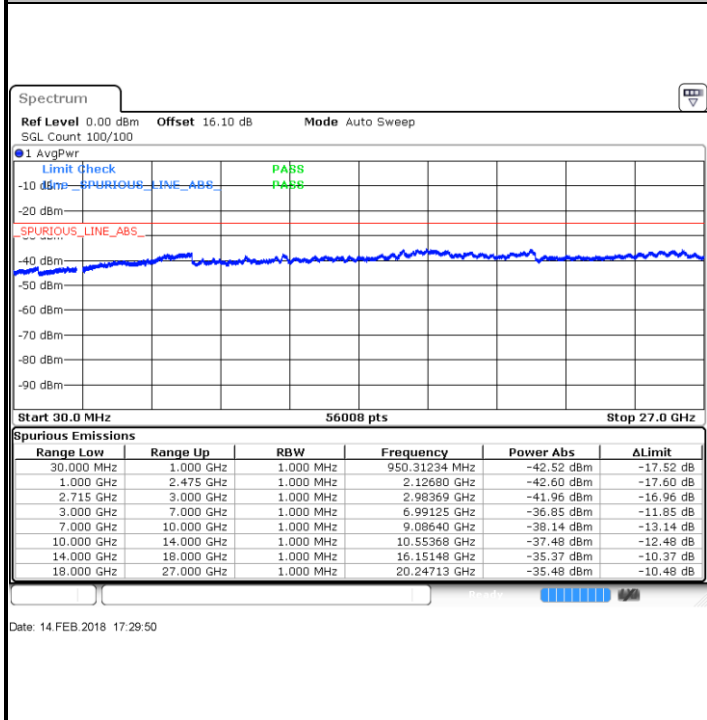
Date: 14.FEB.2018 17:28:03

**Middle Channel / 64QAM**



Date: 14.FEB.2018 17:28:56

**Highest Channel / 64QAM**



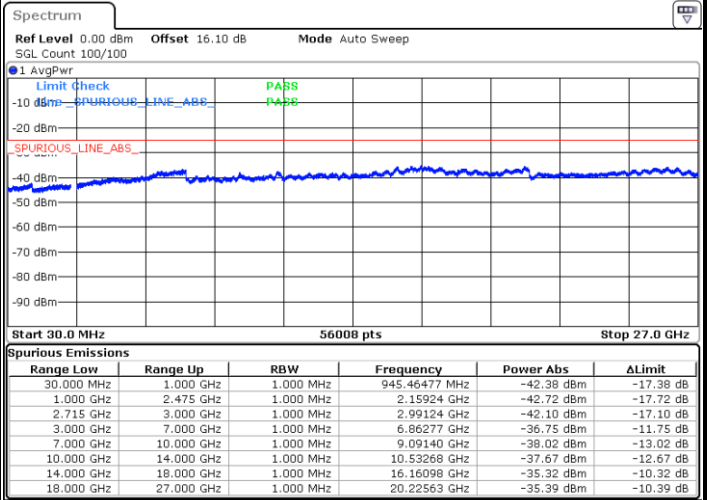
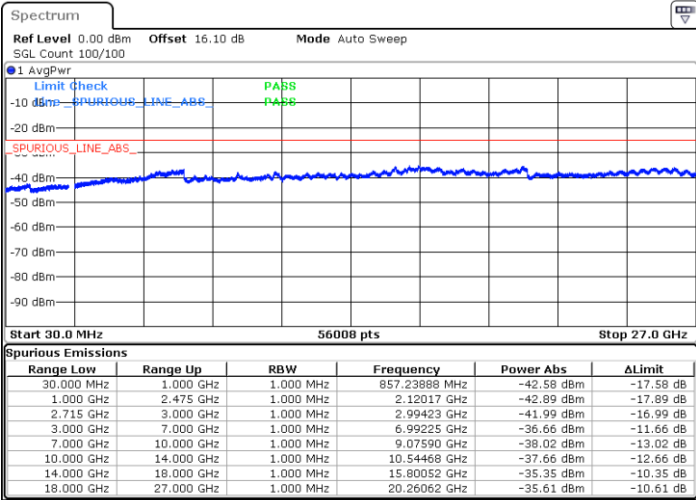
Date: 14.FEB.2018 17:29:50



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

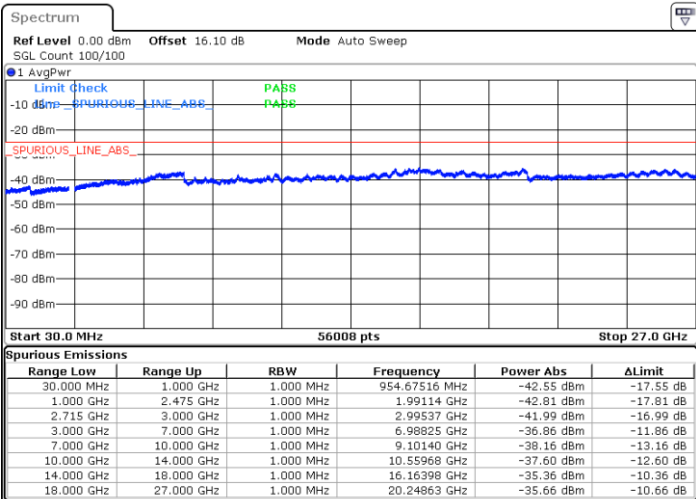
Middle Channel / 64QAM



Date: 14.FEB.2018 17:30:44

Date: 14.FEB.2018 17:31:38

Highest Channel / 64QAM



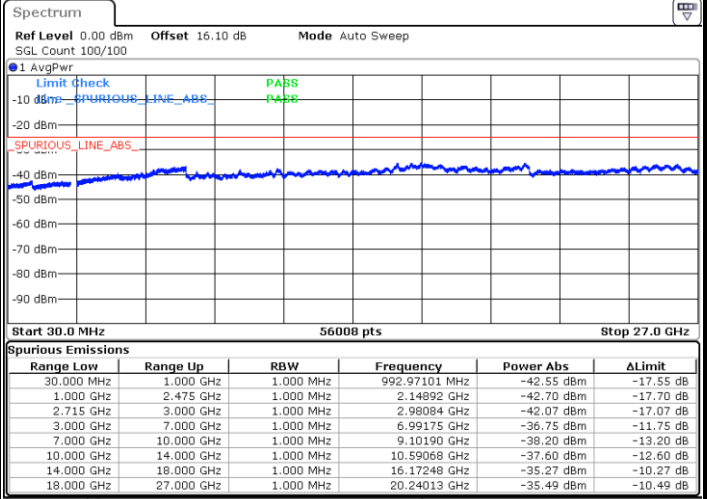
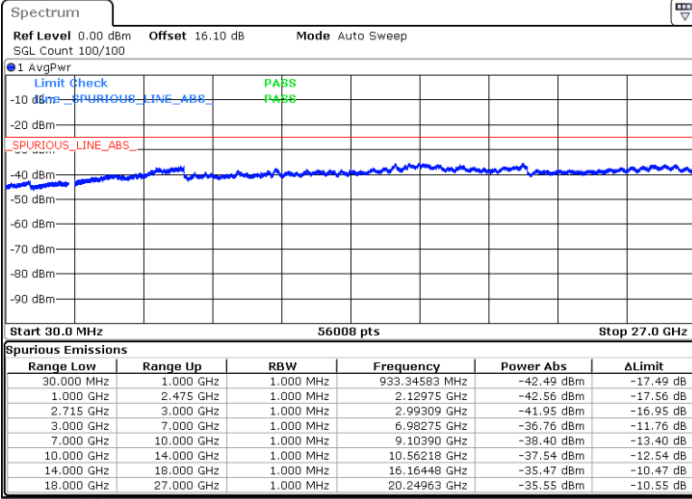
Date: 14.FEB.2018 17:32:31



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

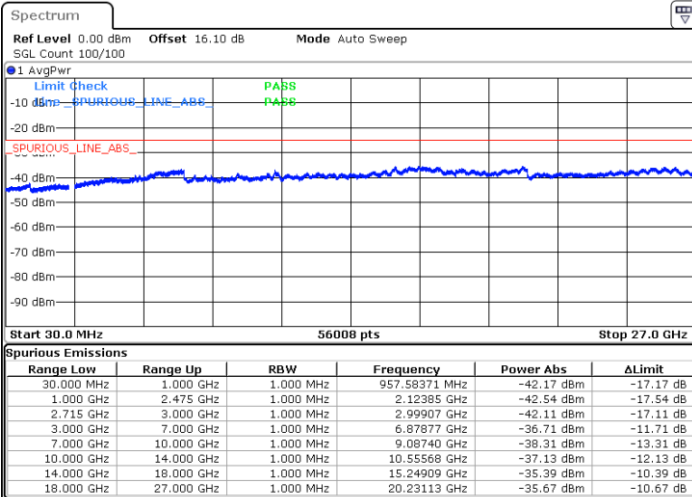
Middle Channel / 64QAM



Date: 14.FEB.2018 17:33:25

Date: 14.FEB.2018 17:34:19

Highest Channel / 64QAM



Date: 14.FEB.2018 17:35:12



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	0.0021	PASS
40	Normal Voltage	0.0043	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41\_CA

## 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.75	25.11	30.04	25.33	30.56
Middle CH	24.82	25.18	29.78	25.11	30.65
Highest CH	24.96	25.04	30.04	25.25	30.74
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.75	24.96	30.04	34.85	39.94
Middle CH	34.95	24.89	30.13	35.06	39.83
Highest CH	34.95	25.04	30.04	35.16	39.94

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.75	25.11	30.04	25.25	30.56
Middle CH	24.82	25.11	29.96	25.33	30.56
Highest CH	24.82	25.18	29.96	25.25	30.56
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.85	24.96	29.96	35.06	39.94
Middle CH	35.26	24.96	29.87	34.95	39.83
Highest CH	34.85	24.89	29.96	34.95	39.83

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.60	25.18	29.96	25.40	30.56
Middle CH	24.75	25.25	29.87	25.11	30.74
Highest CH	24.89	25.18	29.96	25.25	30.56
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.95	24.89	29.96	34.95	39.71
Middle CH	34.95	24.89	29.96	34.85	39.94
Highest CH	34.95	24.89	30.13	34.95	39.83

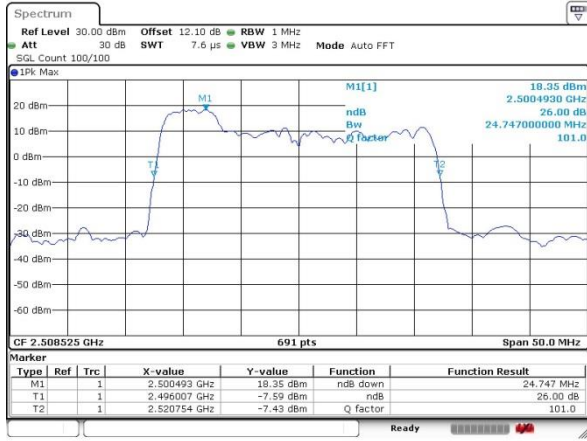




LTE Band 41

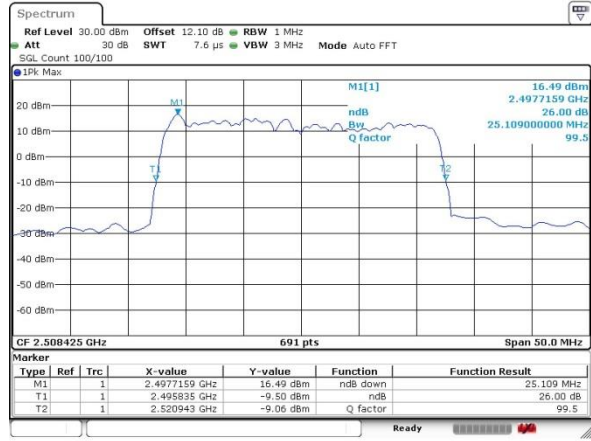
QPSK

Lowest Channel / 5MHz+20MHz



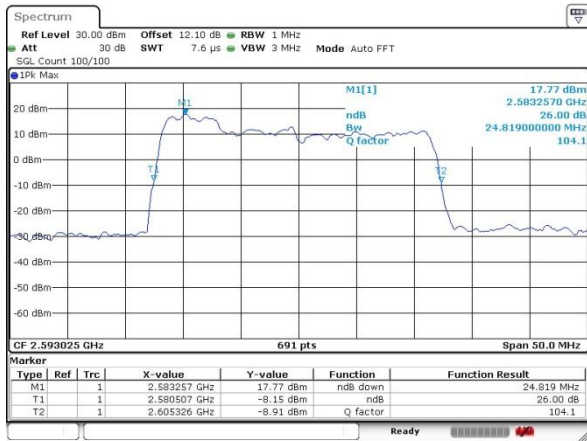
Date: 19 FEB 2018 21:44:22

Lowest Channel / 10MHz+15MHz



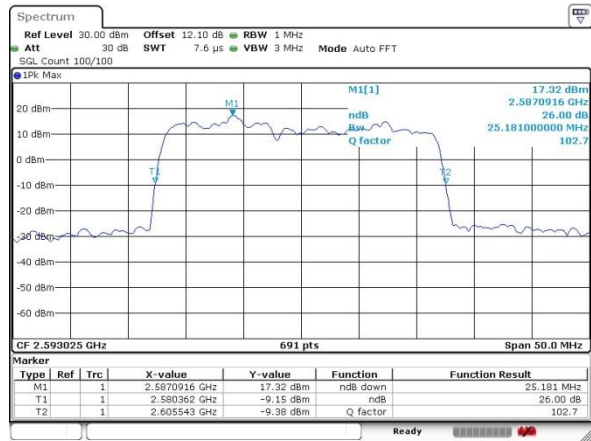
Date: 20 FEB 2018 21:21:45

Middle Channel / 5MHz+20MHz



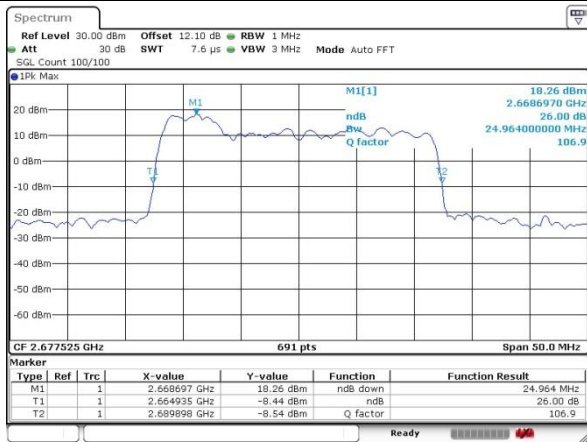
Date: 19 FEB 2018 22:25:57

Middle Channel / 10MHz+15MHz



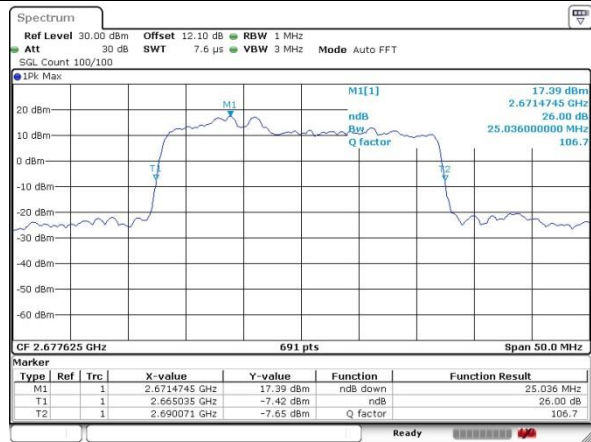
Date: 20 FEB 2018 21:42:22

Highest Channel / 5MHz+20MHz



Date: 19 FEB 2018 22:42:49

Highest Channel / 10MHz+15MHz



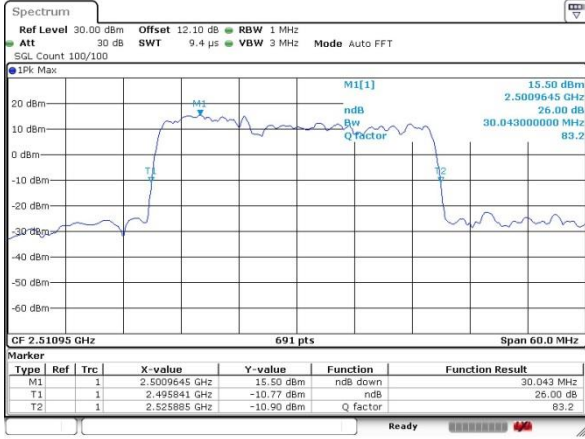
Date: 20 FEB 2018 21:52:54



LTE Band 41

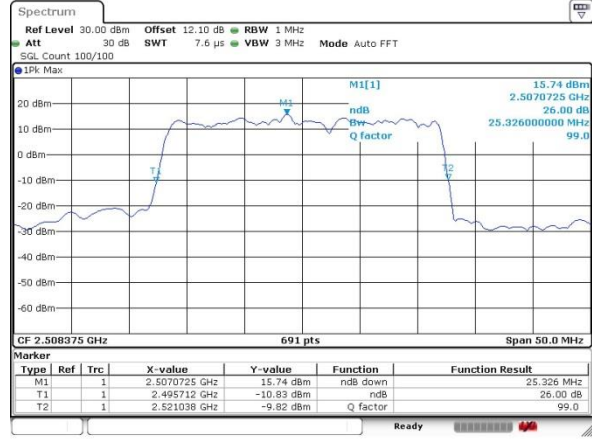
QPSK

Lowest Channel / 10MHz+20MHz



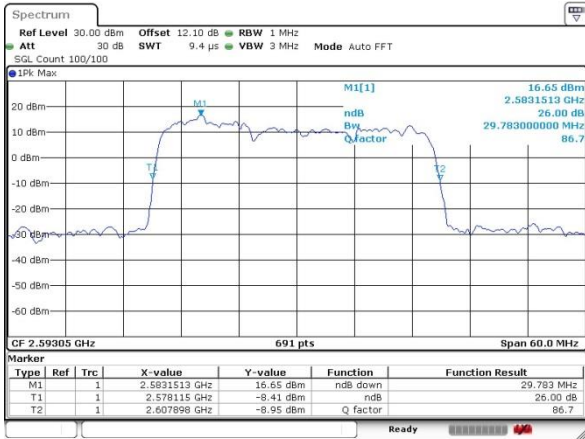
Date: 20 FEB 2018 14:12:50

Lowest Channel / 15MHz+10MHz



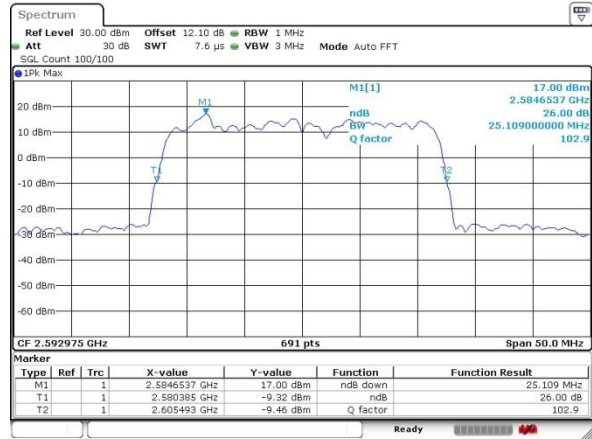
Date: 20 FEB 2018 22:29:24

Middle Channel / 10MHz+20MHz



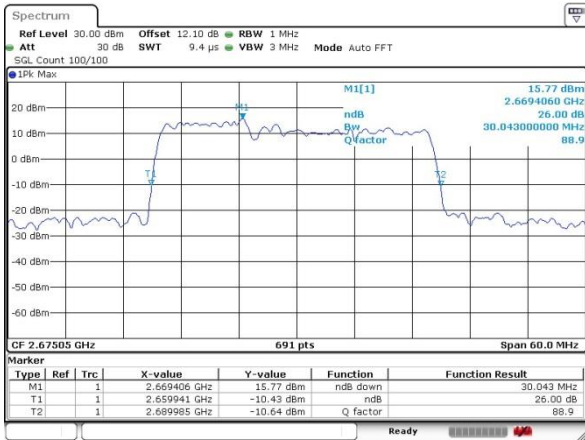
Date: 20 FEB 2018 14:34:06

Middle Channel / 15MHz+10MHz



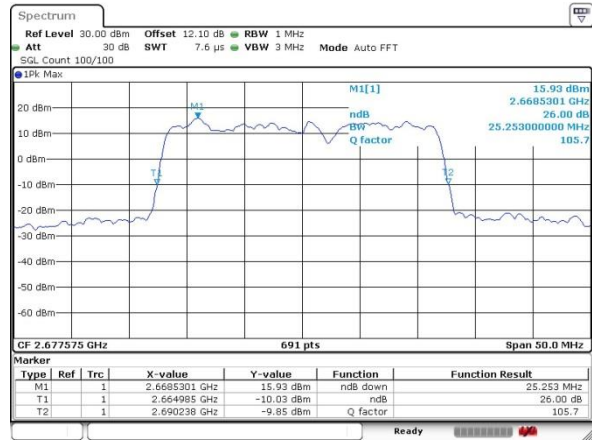
Date: 20 FEB 2018 23:27:33

Highest Channel / 10MHz+20MHz



Date: 20 FEB 2018 14:40:46

Highest Channel / 15MHz+10MHz



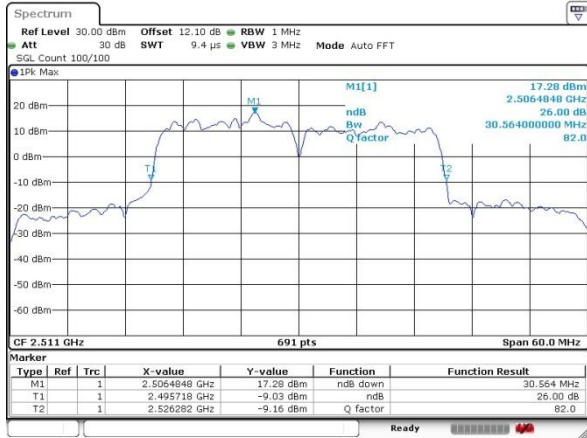
Date: 20 FEB 2018 23:32:17



LTE Band 41

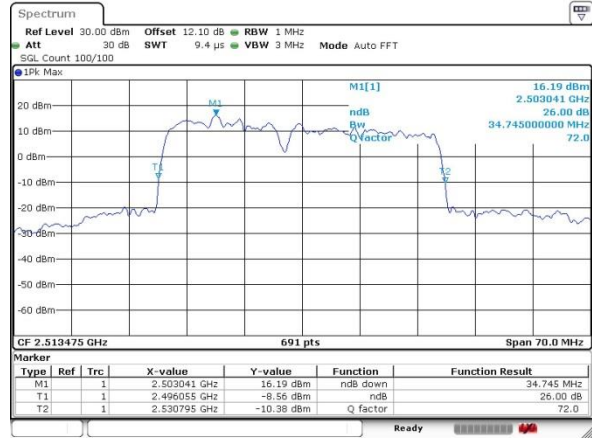
QPSK

Lowest Channel / 15MHz+15MHz



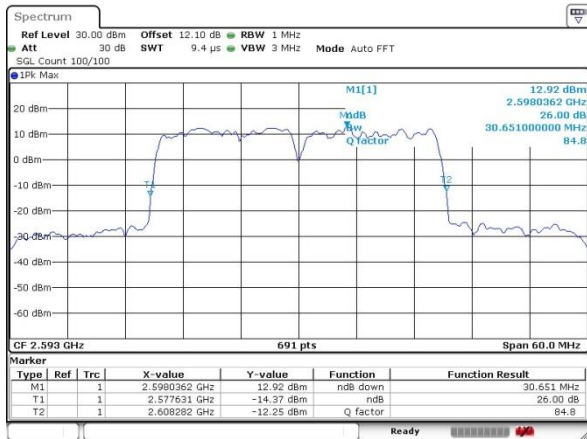
Date: 20 FEB 2018 15:54:07

Lowest Channel / 15MHz+20MHz



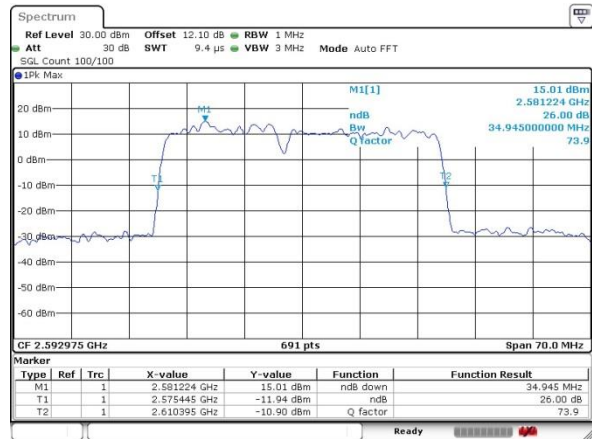
Date: 20 FEB 2018 17:07:11

Middle Channel / 15MHz+15MHz



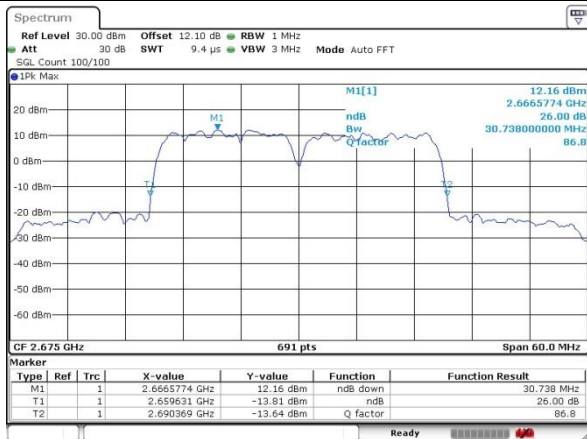
Date: 20 FEB 2018 16:10:48

Middle Channel / 15MHz+20MHz



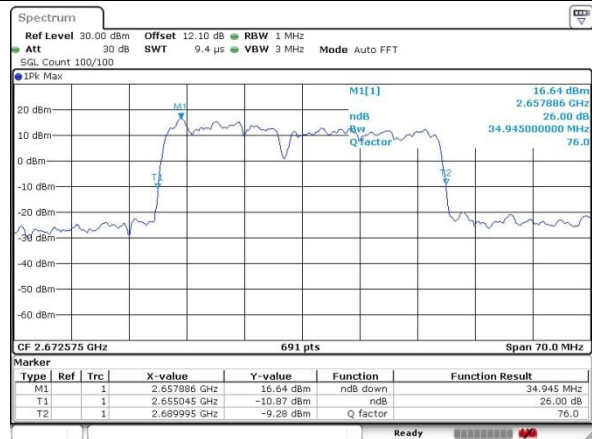
Date: 20 FEB 2018 17:30:46

Highest Channel / 15MHz+15MHz



Date: 20 FEB 2018 16:45:11

Highest Channel / 15MHz+20MHz



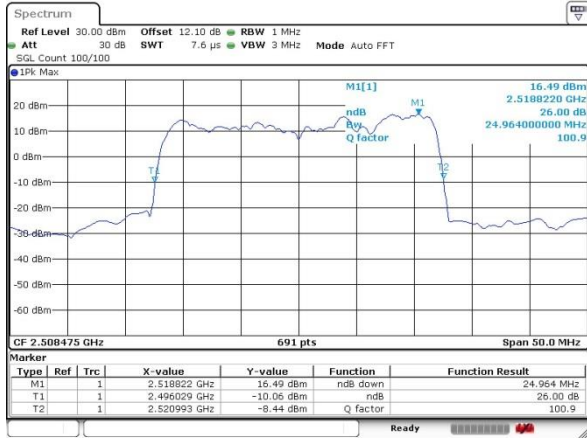
Date: 20 FEB 2018 18:14:15



LTE Band 41

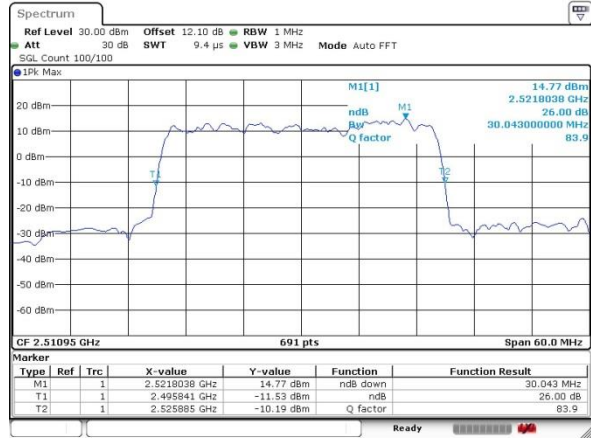
QPSK

Lowest Channel / 20MHz+5MHz



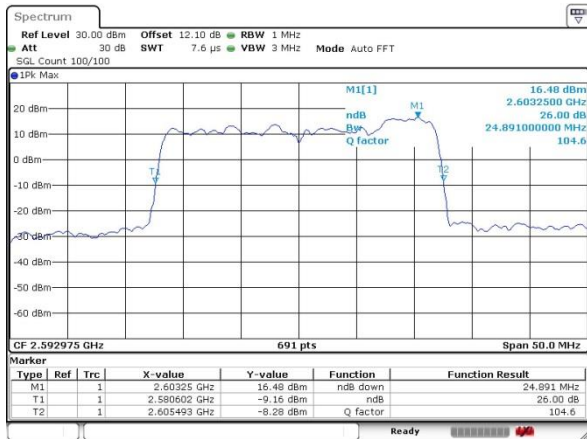
Date: 19 FEB 2018 23:40:05

Lowest Channel / 20MHz+10MHz



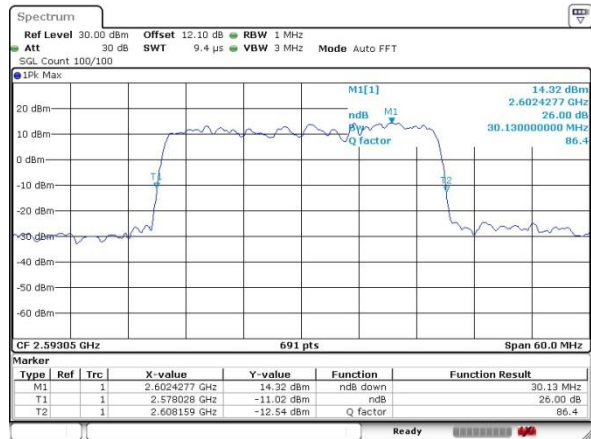
Date: 20 FEB 2018 15:01:38

Middle Channel / 20MHz+5MHz



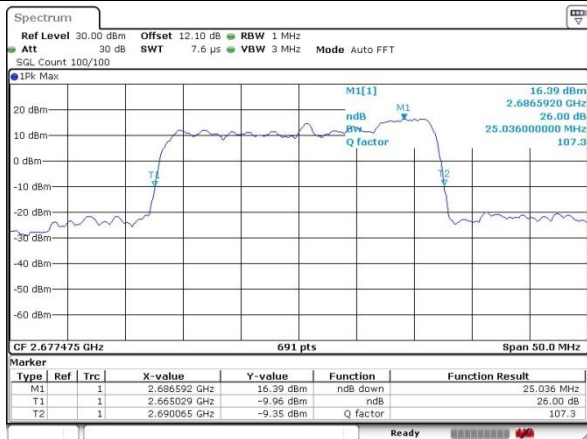
Date: 20 FEB 2018 00:04:03

Middle Channel / 20MHz+10MHz



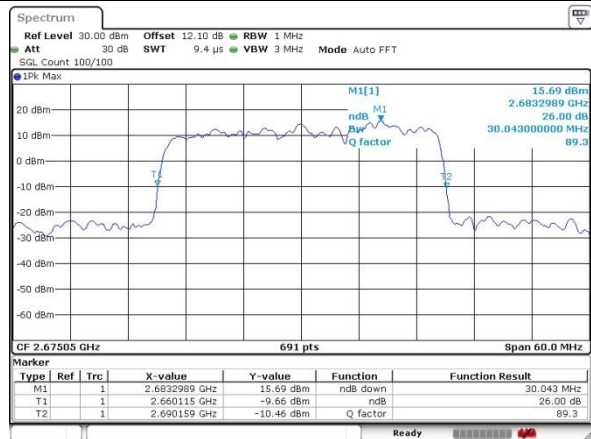
Date: 20 FEB 2018 15:22:44

Highest Channel / 20MHz+5MHz



Date: 20 FEB 2018 00:13:19

Highest Channel / 20MHz+10MHz



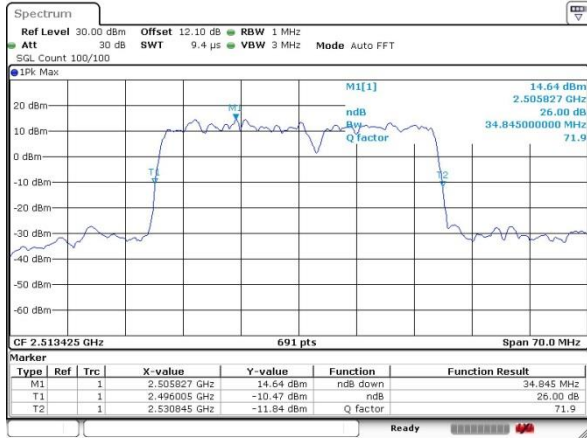
Date: 20 FEB 2018 15:33:57



LTE Band 41

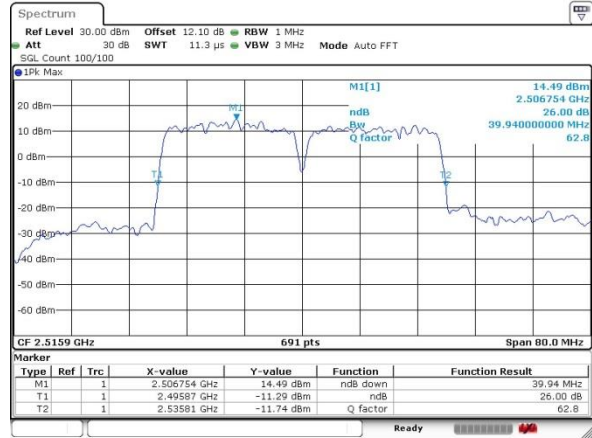
QPSK

Lowest Channel / 20MHz+15MHz



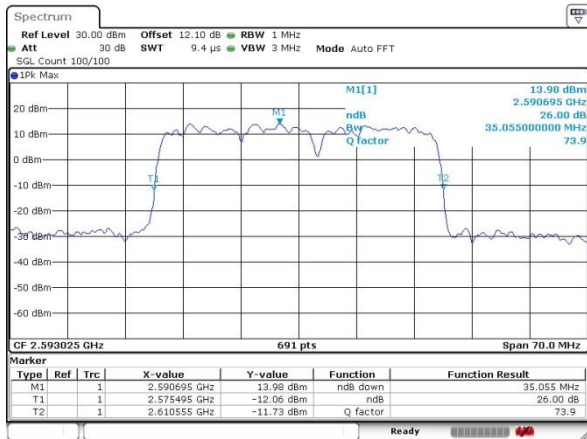
Date: 20 FEB 2018 18:31:03

Lowest Channel / 20MHz+20MHz



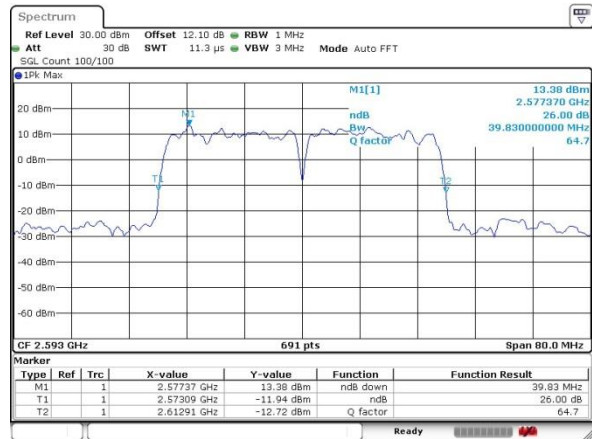
Date: 20 FEB 2018 19:58:10

Middle Channel / 20MHz+15MHz



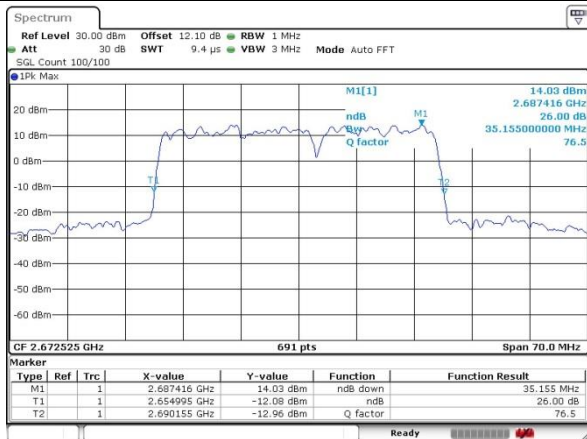
Date: 20 FEB 2018 18:44:24

Middle Channel / 20MHz+20MHz



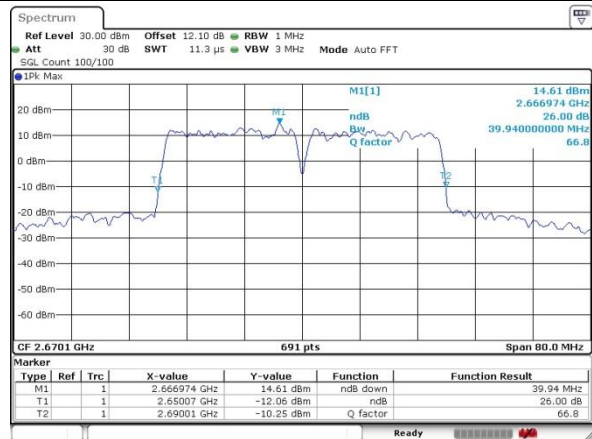
Date: 20 FEB 2018 20:56:09

Highest Channel / 20MHz+15MHz



Date: 20 FEB 2018 18:56:36

Highest Channel / 20MHz+20MHz



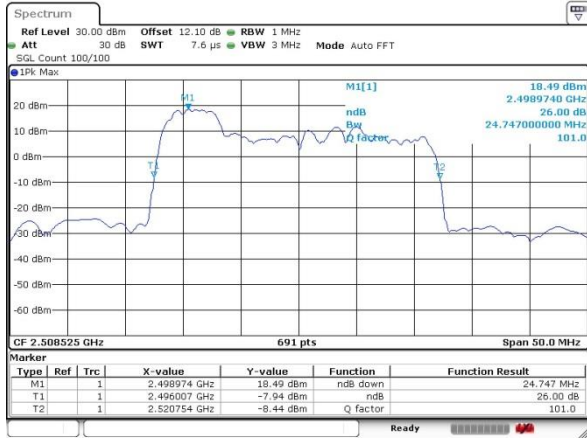
Date: 20 FEB 2018 21:06:49



LTE Band 41

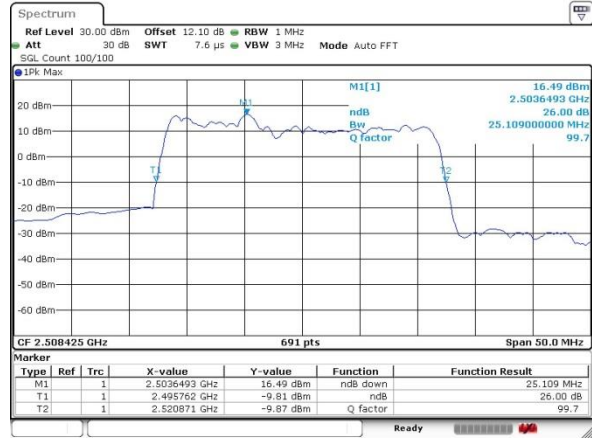
16QAM

Lowest Channel / 5MHz+20MHz



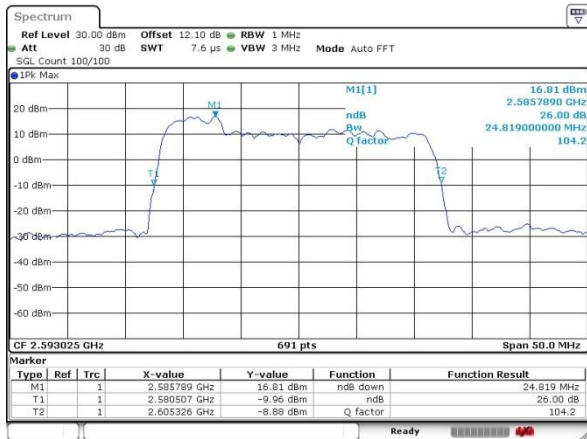
Date: 19 FEB 2018 21:44:44

Lowest Channel / 10MHz+15MHz



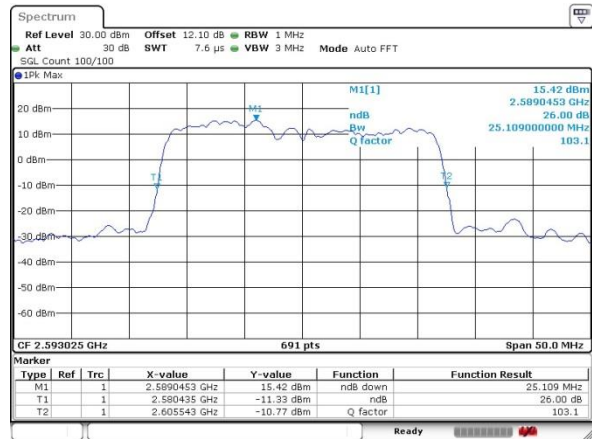
Date: 20 FEB 2018 21:21:58

Middle Channel / 5MHz+20MHz



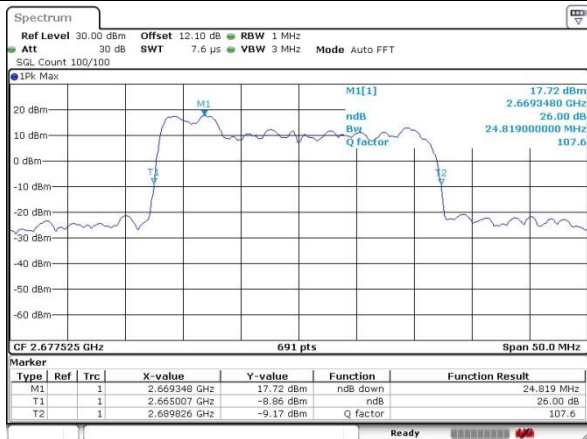
Date: 19 FEB 2018 22:26:11

Middle Channel / 10MHz+15MHz



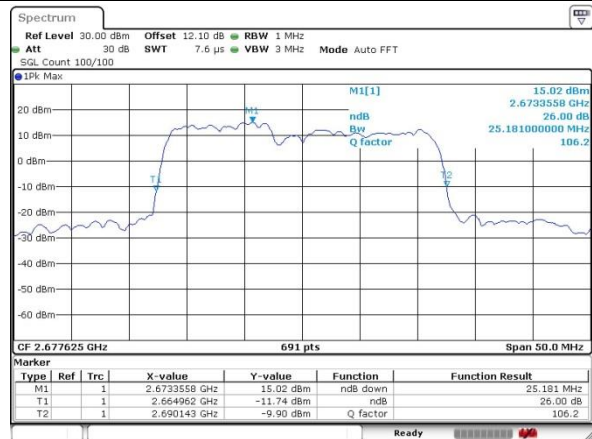
Date: 20 FEB 2018 21:42:48

Highest Channel / 5MHz+20MHz



Date: 19 FEB 2018 22:43:05

Highest Channel / 10MHz+15MHz



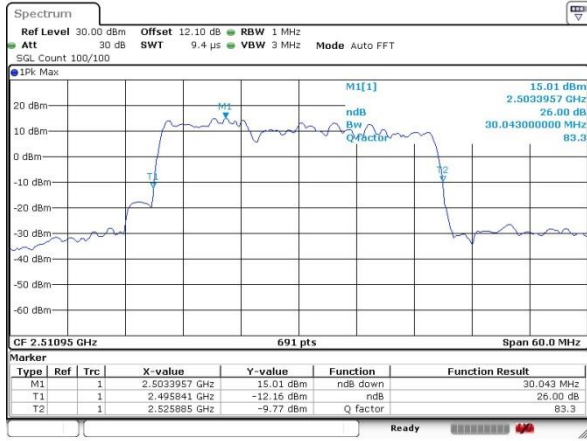
Date: 20 FEB 2018 21:53:10



LTE Band 41

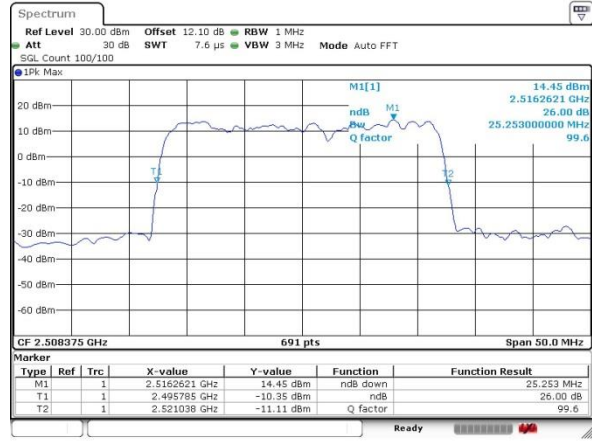
16QAM

Lowest Channel / 10MHz+20MHz



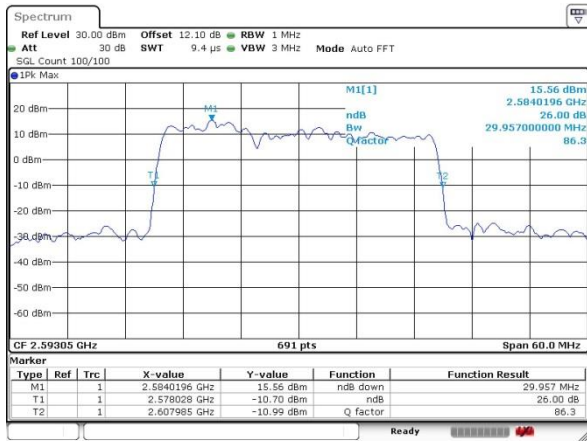
Date: 20 FEB 2018 14:14:39

Lowest Channel / 15MHz+10MHz



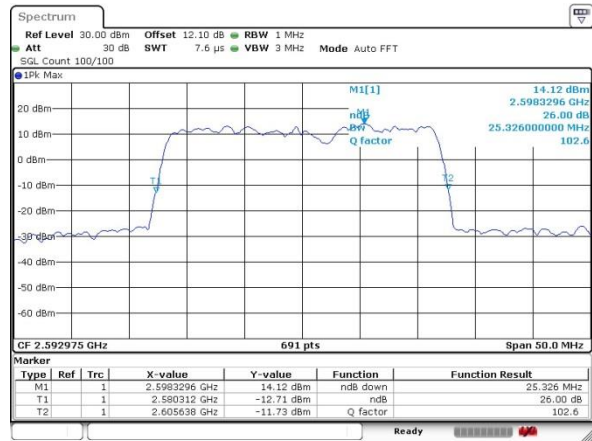
Date: 20 FEB 2018 22:30:23

Middle Channel / 10MHz+20MHz



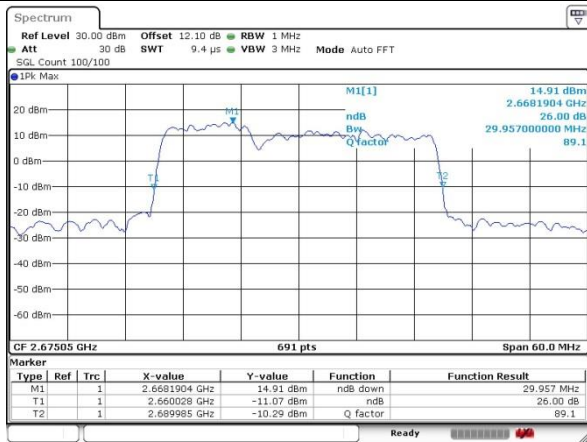
Date: 20 FEB 2018 14:34:28

Middle Channel / 15MHz+10MHz



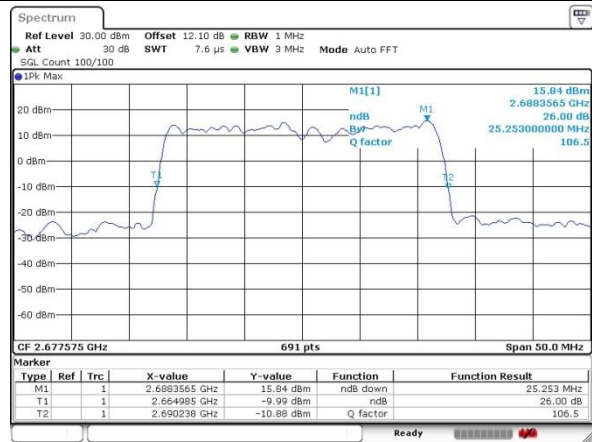
Date: 20 FEB 2018 23:27:04

Highest Channel / 10MHz+20MHz



Date: 20 FEB 2018 14:40:58

Highest Channel / 15MHz+10MHz



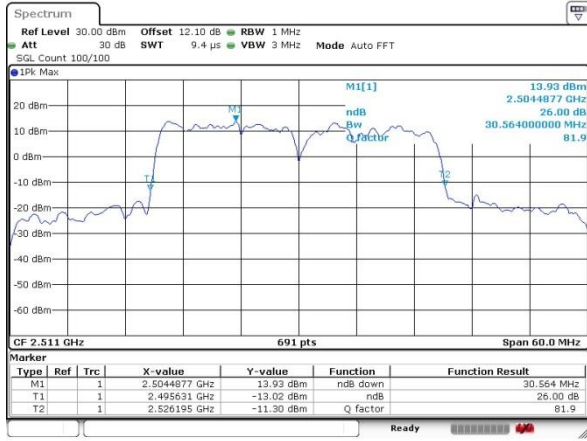
Date: 20 FEB 2018 23:32:41



LTE Band 41

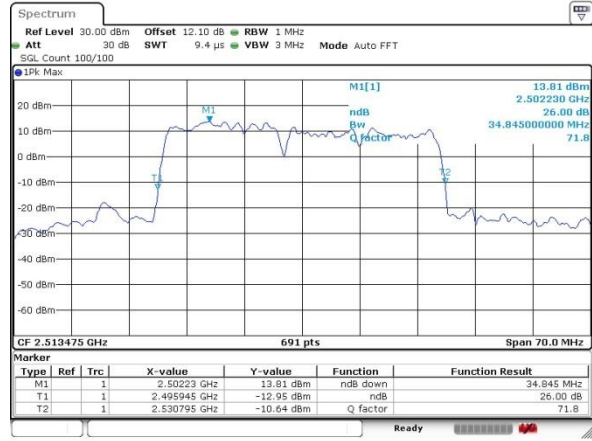
16QAM

Lowest Channel / 15MHz+15MHz



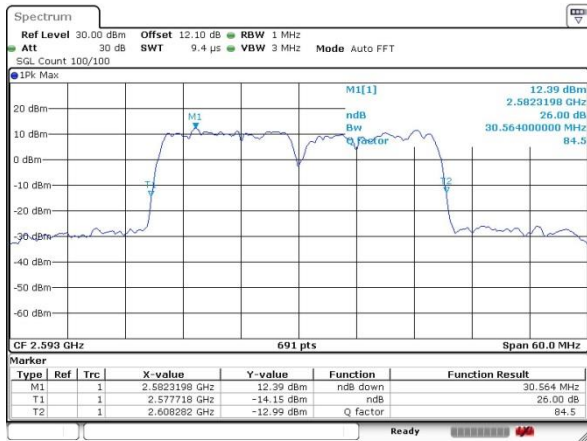
Date: 20 FEB 2018 15:54:20

Lowest Channel / 15MHz+20MHz



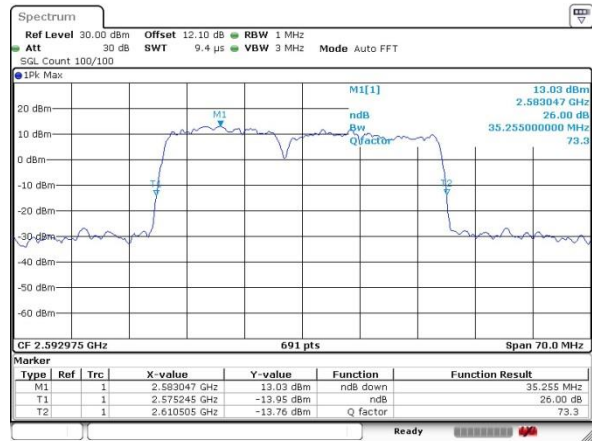
Date: 20 FEB 2018 17:07:23

Middle Channel / 15MHz+15MHz



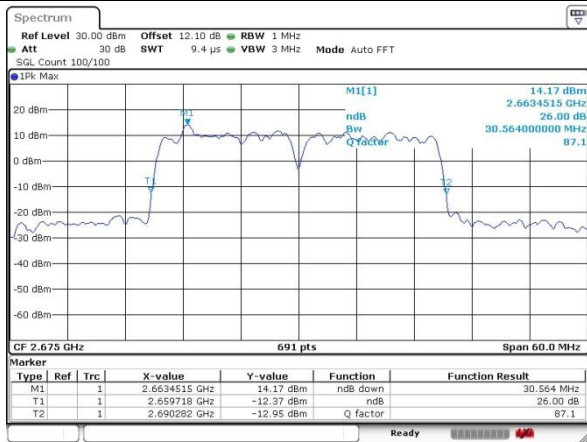
Date: 20 FEB 2018 16:11:01

Middle Channel / 15MHz+20MHz



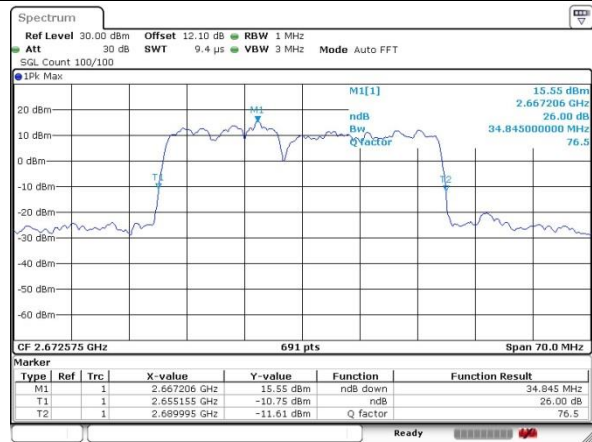
Date: 20 FEB 2018 17:31:02

Highest Channel / 15MHz+15MHz



Date: 20 FEB 2018 16:45:31

Highest Channel / 15MHz+20MHz



Date: 20 FEB 2018 18:14:27

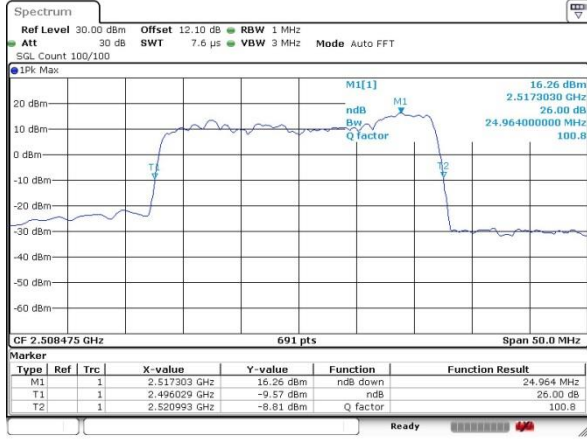




LTE Band 41

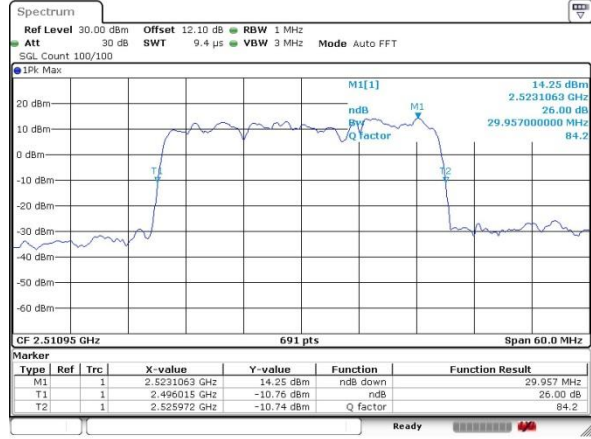
16QAM

Lowest Channel / 20MHz+5MHz



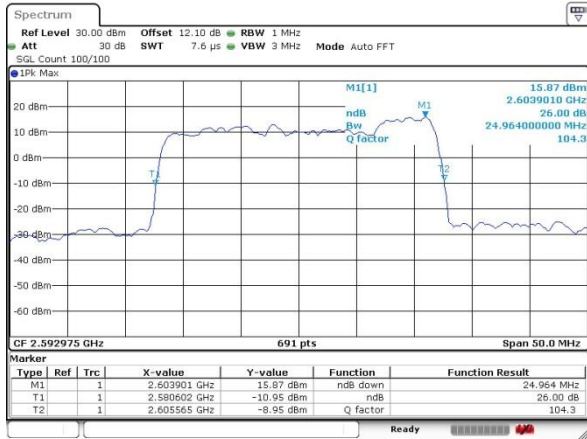
Date: 19 FEB 2018 23:40:23

Lowest Channel / 20MHz+10MHz



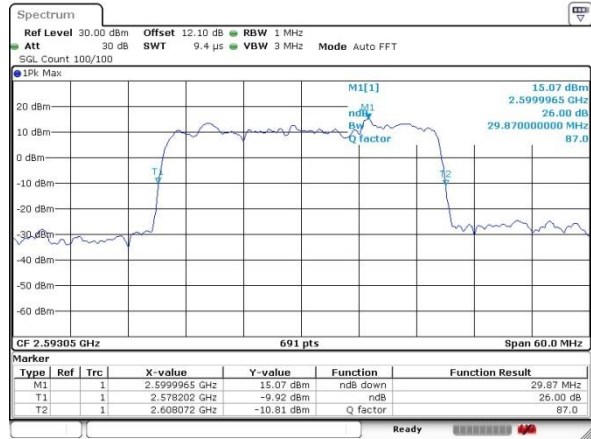
Date: 20 FEB 2018 15:01:57

Middle Channel / 20MHz+5MHz



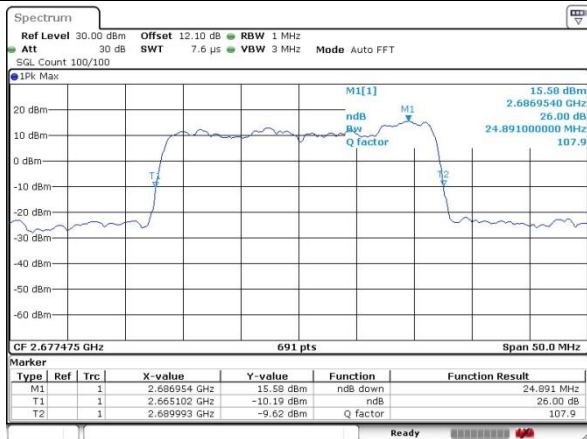
Date: 20 FEB 2018 00:03:49

Middle Channel / 20MHz+10MHz



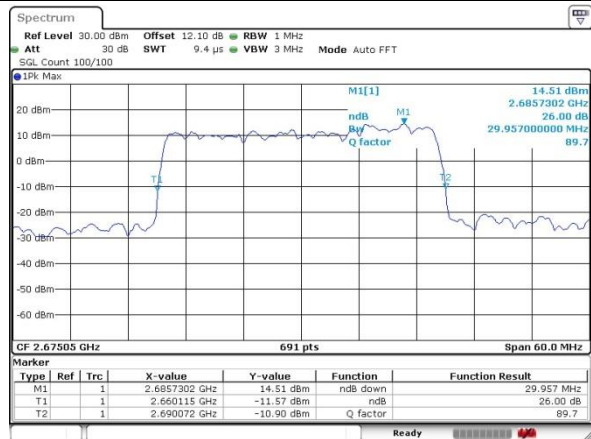
Date: 20 FEB 2018 15:22:54

Highest Channel / 20MHz+5MHz



Date: 20 FEB 2018 00:13:33

Highest Channel / 20MHz+10MHz



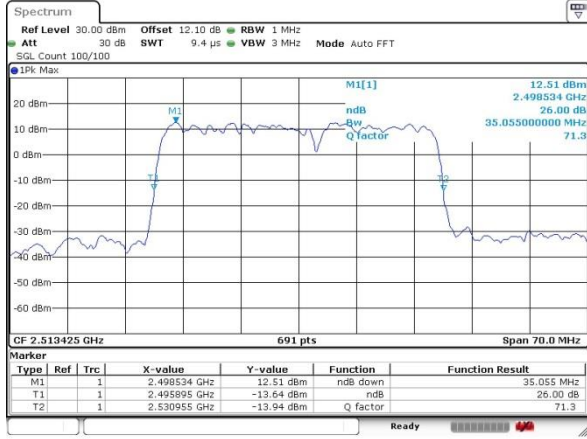
Date: 20 FEB 2018 15:34:12



LTE Band 41

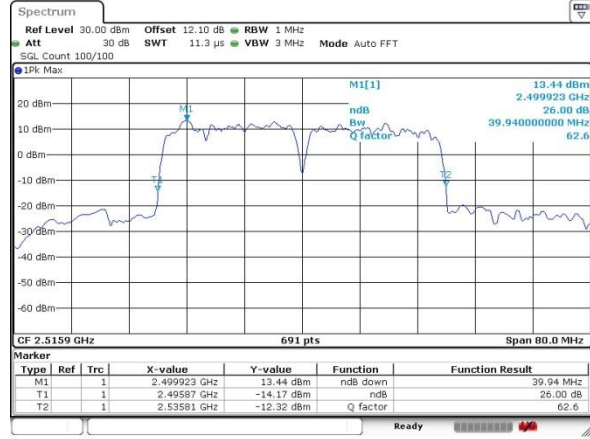
16QAM

Lowest Channel / 20MHz+15MHz



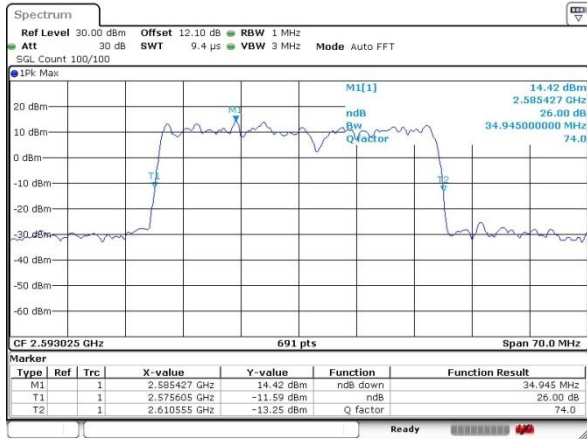
Date: 20 FEB 2018 18:31:19

Lowest Channel / 20MHz+20MHz



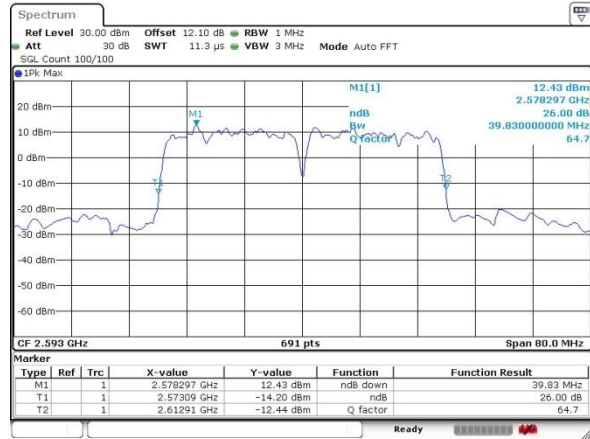
Date: 20 FEB 2018 19:58:31

Middle Channel / 20MHz+15MHz



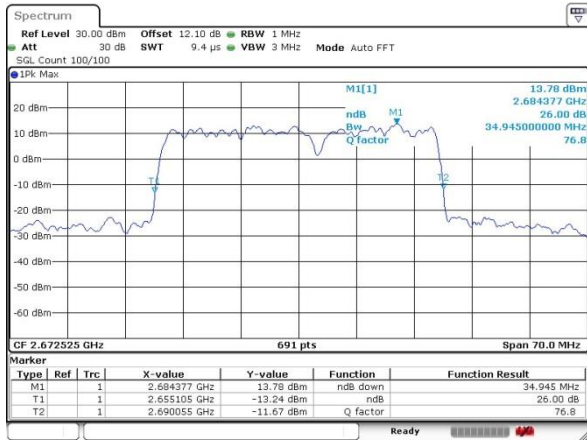
Date: 20 FEB 2018 18:44:56

Middle Channel / 20MHz+20MHz



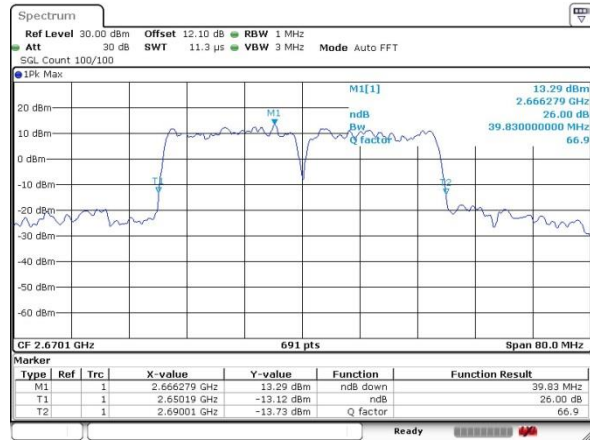
Date: 20 FEB 2018 20:56:28

Highest Channel / 20MHz+15MHz



Date: 20 FEB 2018 18:56:55

Highest Channel / 20MHz+20MHz



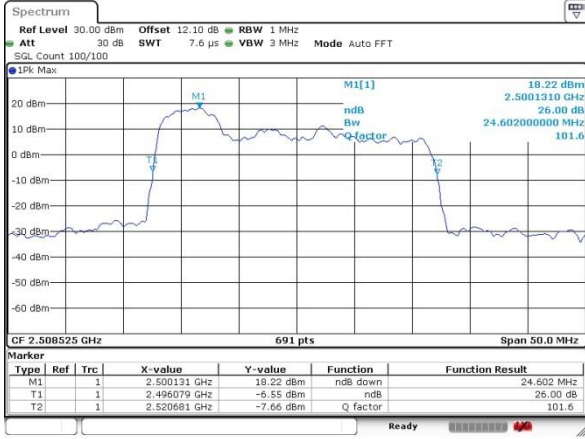
Date: 20 FEB 2018 21:07:13



LTE Band 41

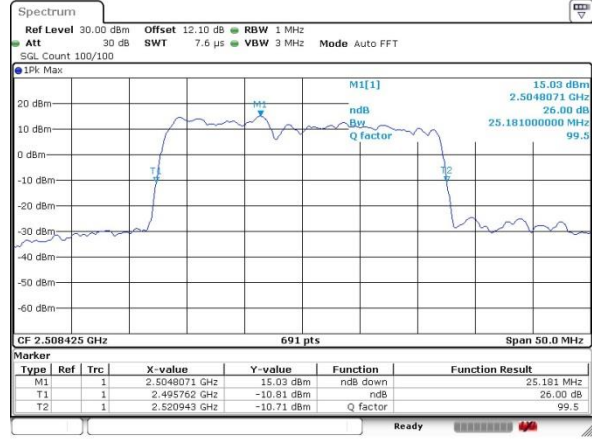
64QAM

Lowest Channel / 5MHz+20MHz



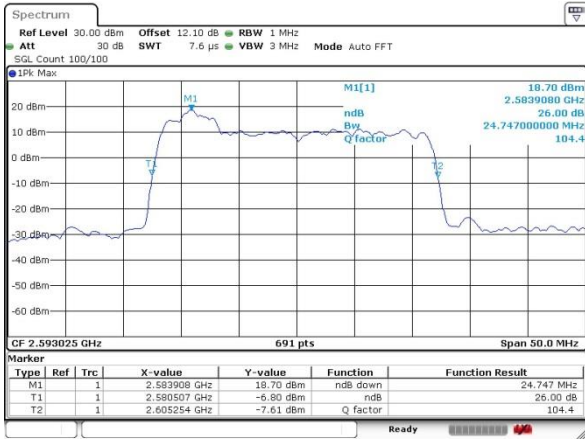
Date: 19 FEB 2018 21:45:03

Lowest Channel / 10MHz+15MHz



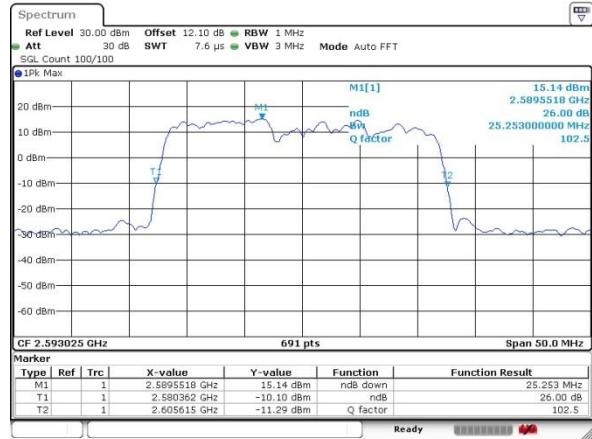
Date: 20 FEB 2018 21:22:20

Middle Channel / 5MHz+20MHz



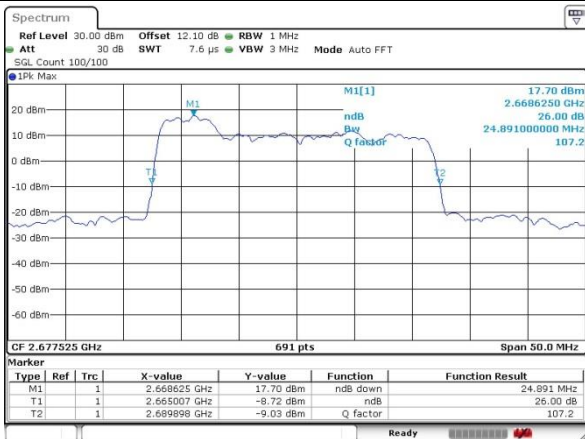
Date: 19 FEB 2018 22:26:24

Middle Channel / 10MHz+15MHz



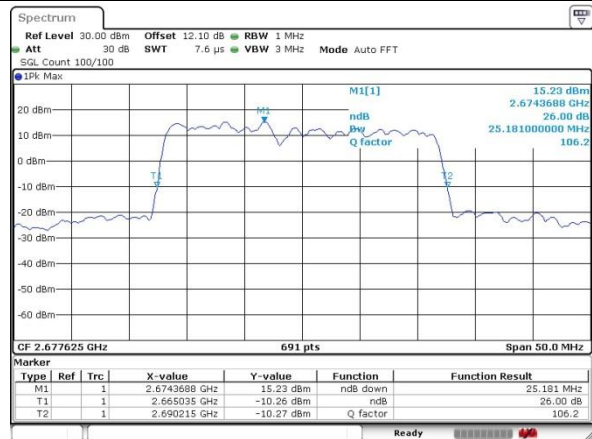
Date: 20 FEB 2018 21:43:03

Highest Channel / 5MHz+20MHz



Date: 19 FEB 2018 22:43:18

Highest Channel / 10MHz+15MHz



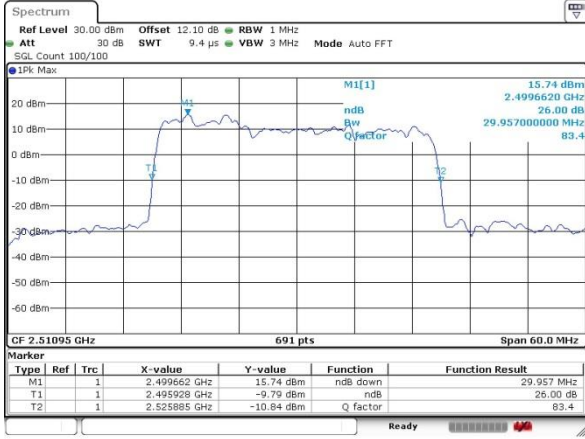
Date: 20 FEB 2018 21:53:26



LTE Band 41

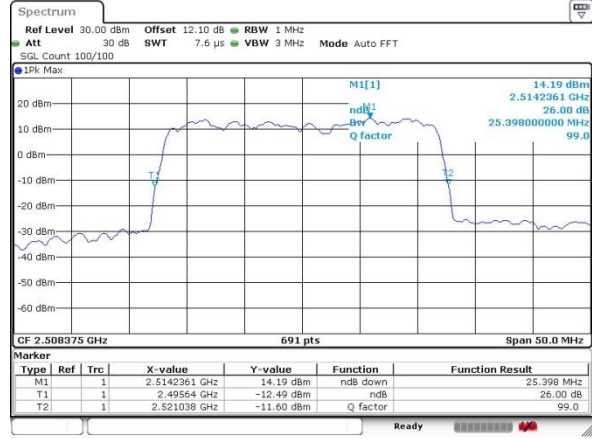
64QAM

Lowest Channel / 10MHz+20MHz



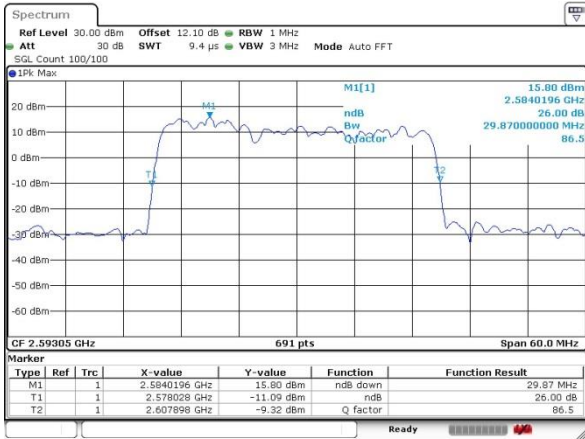
Date: 20 FEB 2018 14:15:40

Lowest Channel / 15MHz+10MHz



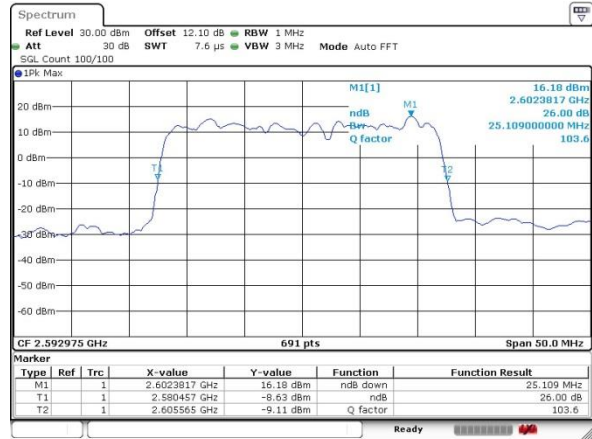
Date: 20 FEB 2018 22:31:22

Middle Channel / 10MHz+20MHz



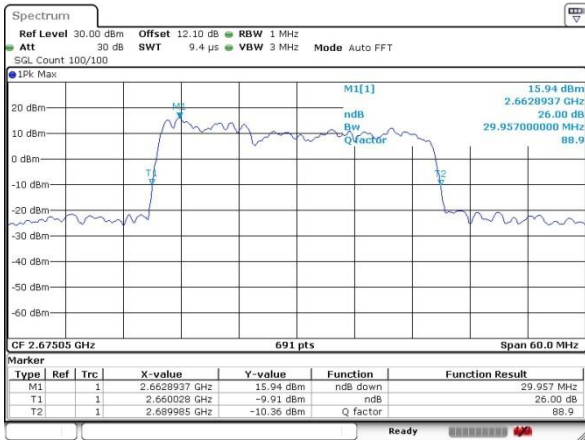
Date: 20 FEB 2018 14:34:43

Middle Channel / 15MHz+10MHz



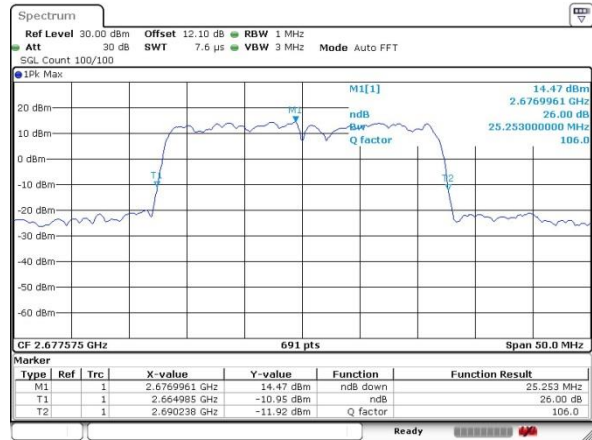
Date: 20 FEB 2018 23:26:42

Highest Channel / 10MHz+20MHz



Date: 20 FEB 2018 14:41:13

Highest Channel / 15MHz+10MHz



Date: 20 FEB 2018 23:33:43