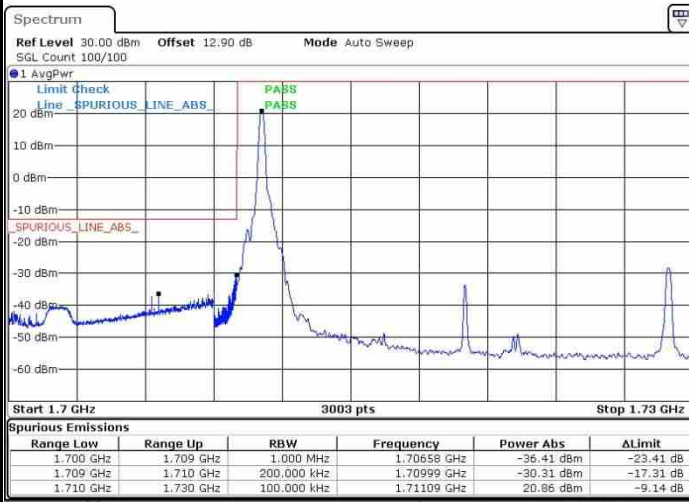




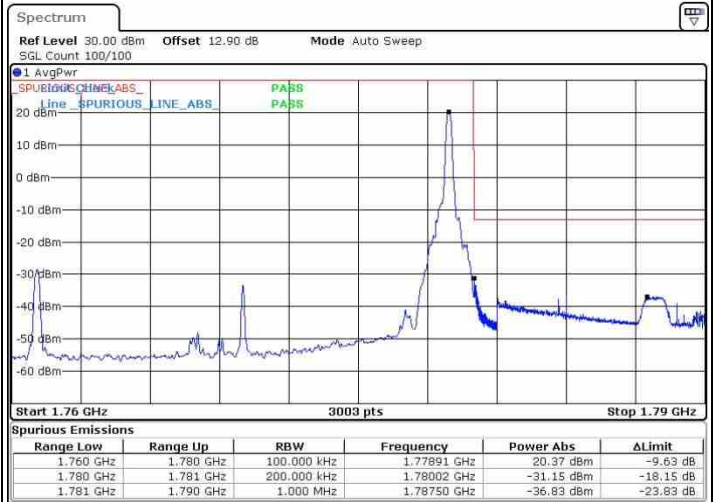
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



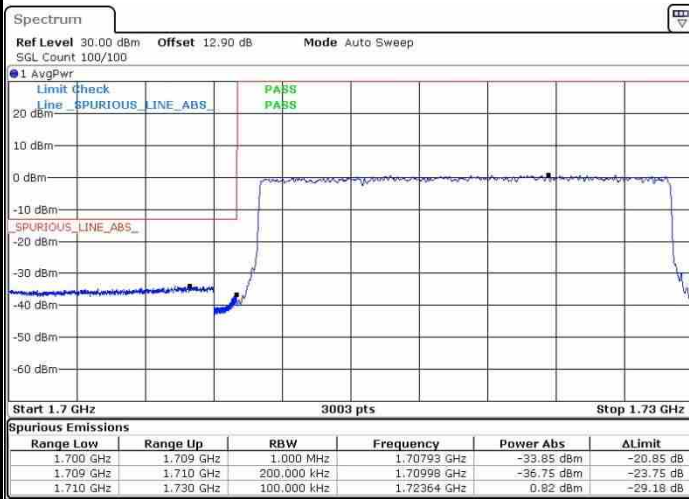
Date: 15.MAR.2018 16:07:47

Highest Band Edge / 1 RB



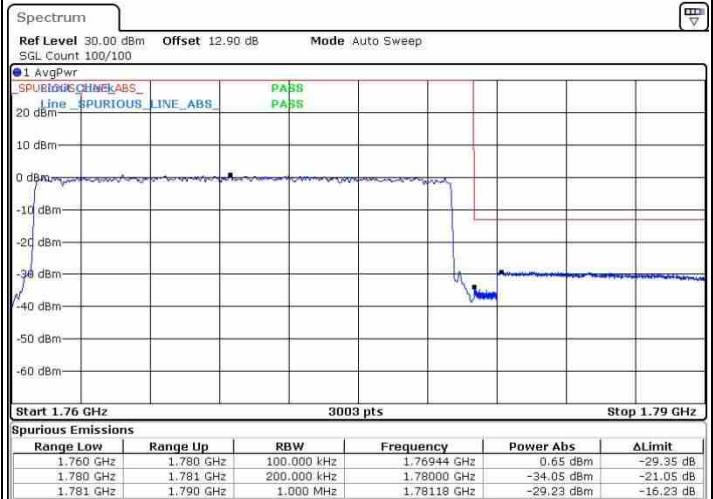
Date: 15.MAR.2018 16:17:48

Lowest Band Edge / Full RB



Date: 15.MAR.2018 16:10:06

Highest Band Edge / Full RB

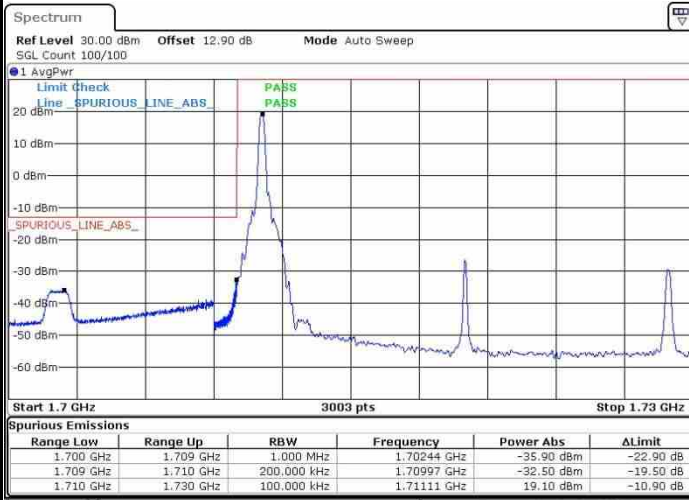


Date: 15.MAR.2018 16:40:00



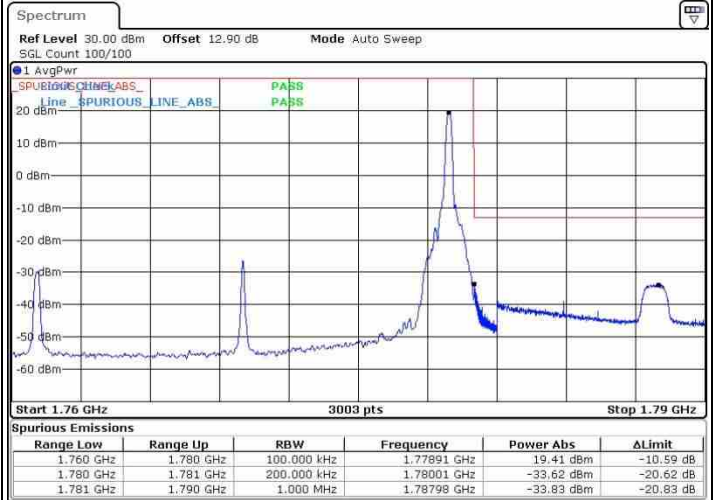
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



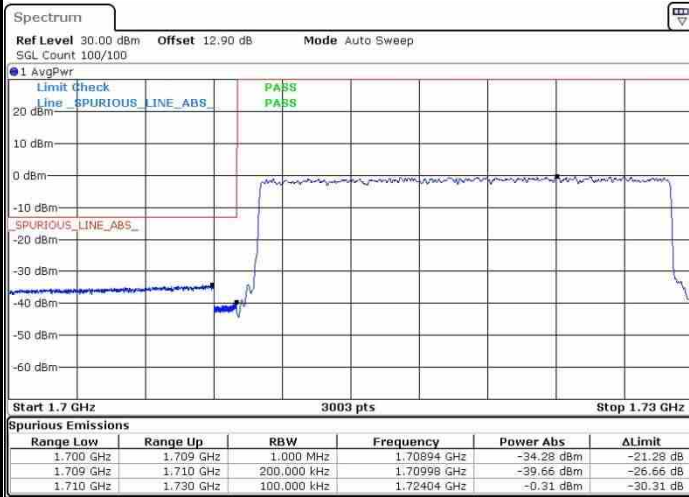
Date: 15.MAR.2018 17:18:10

Highest Band Edge / 1 RB



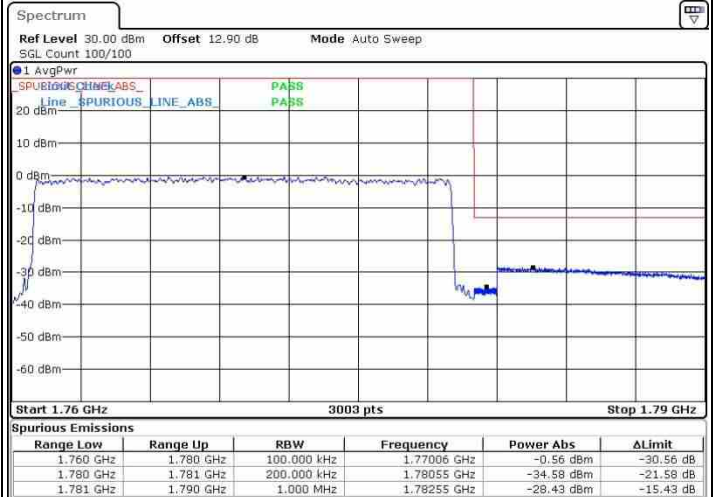
Date: 15.MAR.2018 17:37:46

Lowest Band Edge / Full RB

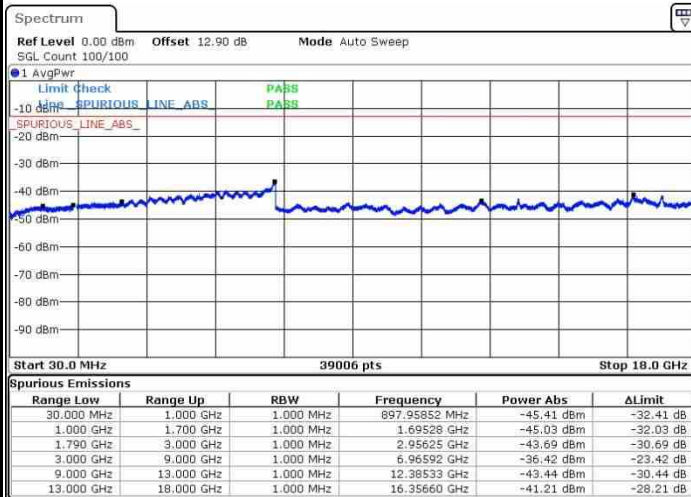


Date: 15.MAR.2018 17:19:20

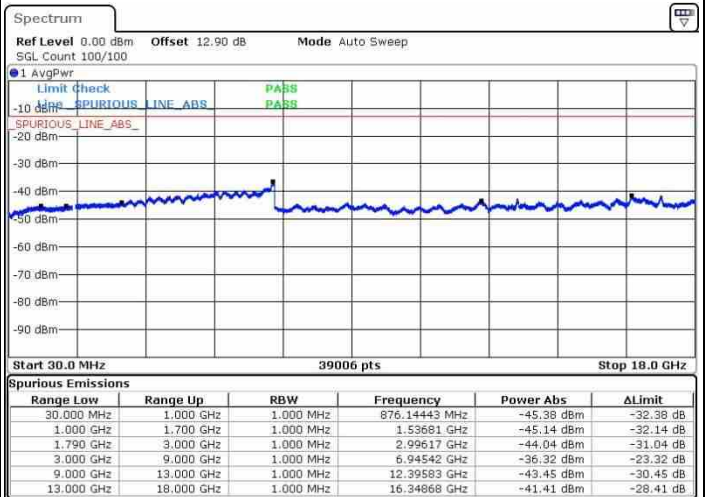
Highest Band Edge / Full RB



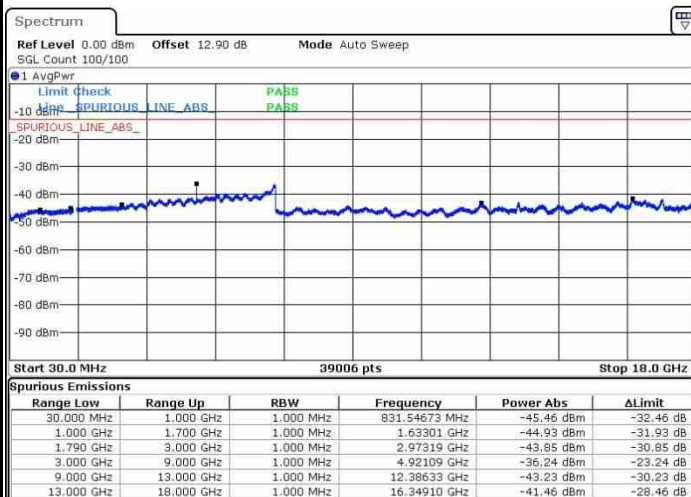
Date: 15.MAR.2018 17:38:55

**Conducted Spurious Emission****LTE Band 66 / 1.4MHz****Lowest Channel / QPSK**

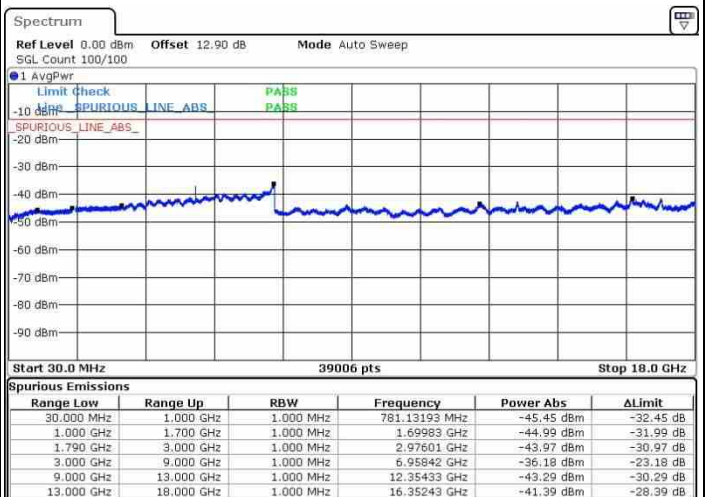
Date: 15.MAR.2018 14:00:06

Lowest Channel / 16QAM

Date: 15.MAR.2018 14:01:04

Middle Channel / QPSK

Date: 15.MAR.2018 14:02:49

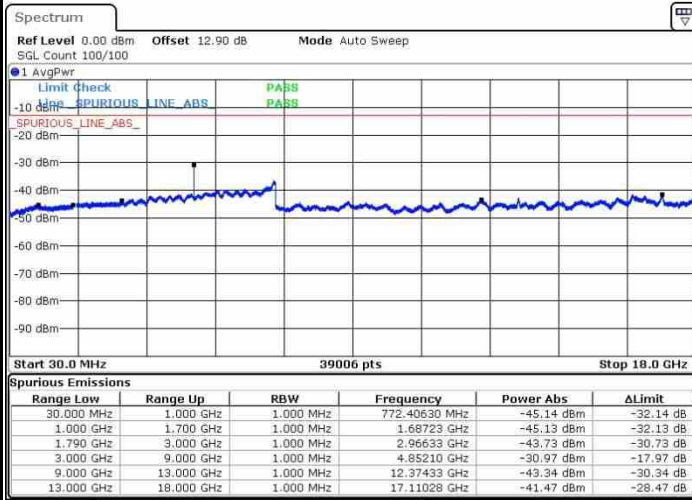
Middle Channel / 16QAM

Date: 15.MAR.2018 14:03:46



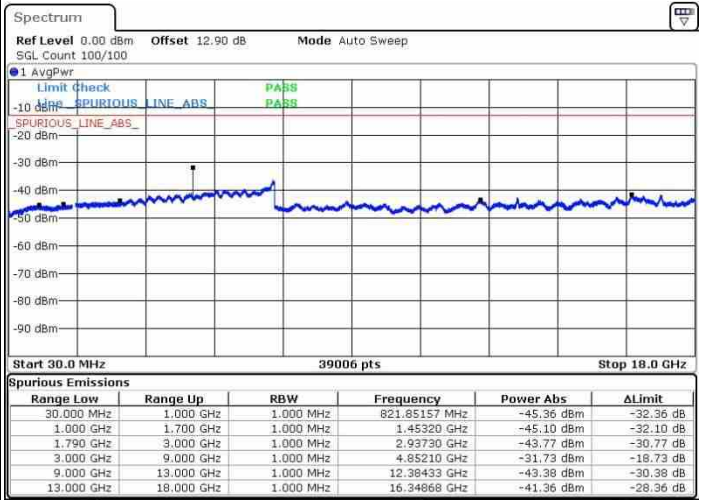
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 15.MAR.2018 14:10:09

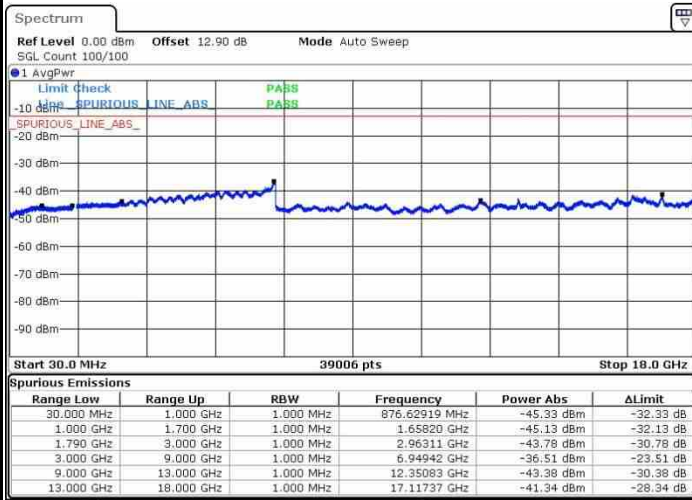
Highest Channel / 16QAM



Date: 15.MAR.2018 14:11:06

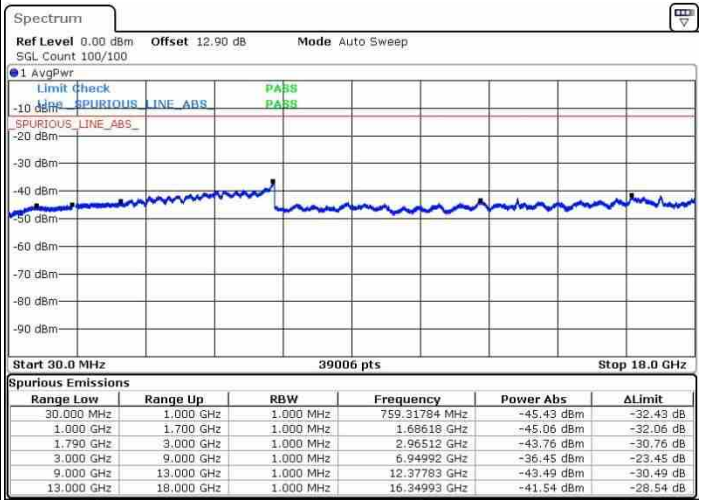
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 15.MAR.2018 14:26:11

Lowest Channel / 16QAM

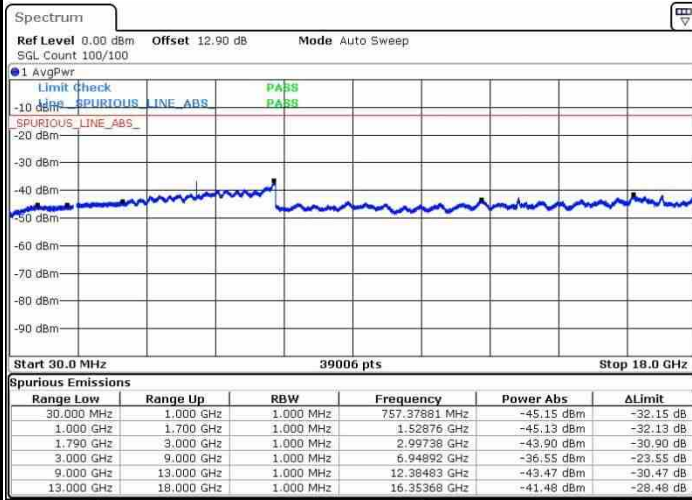


Date: 15.MAR.2018 14:27:08



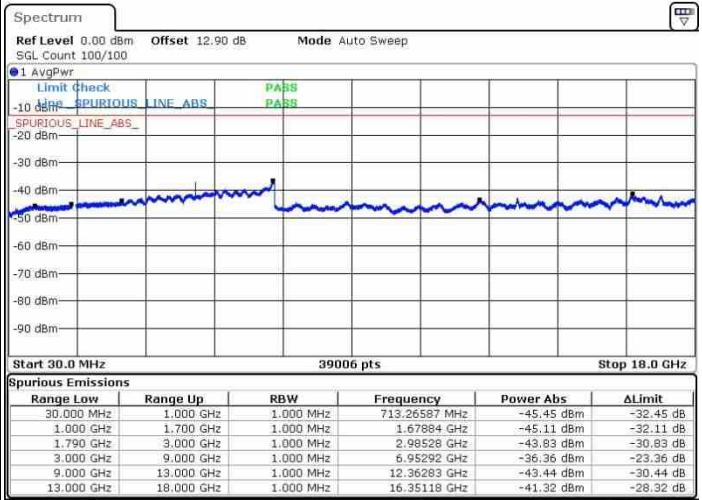
LTE Band 66 / 3MHz

Middle Channel / QPSK



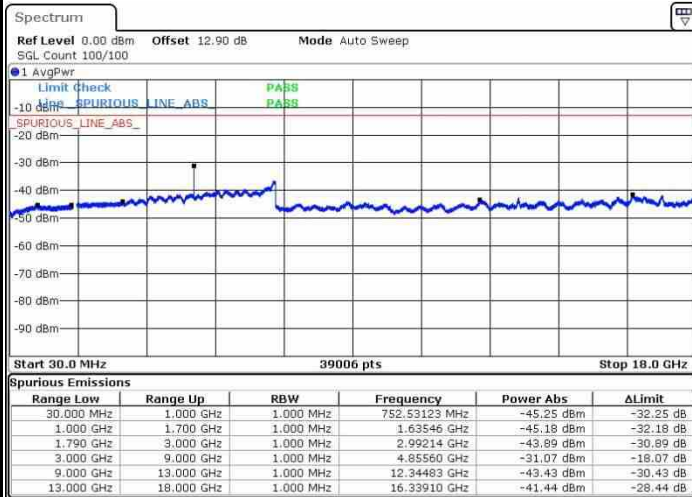
Date: 15.MAR.2018 14:28:53

Middle Channel / 16QAM



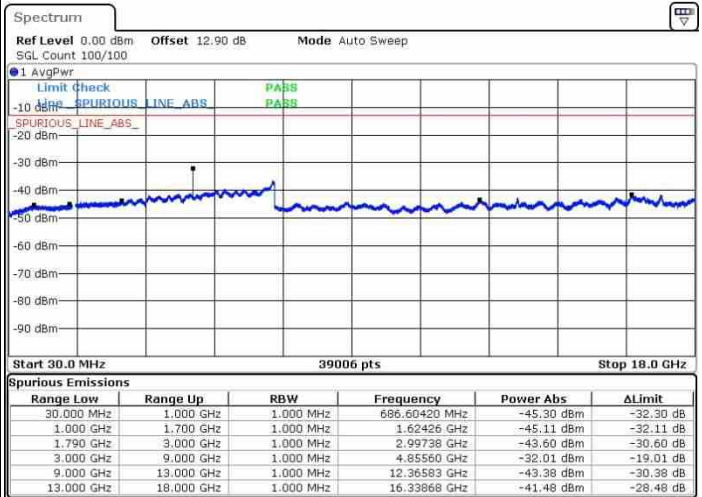
Date: 15.MAR.2018 14:29:50

Highest Channel / QPSK



Date: 15.MAR.2018 14:36:13

Highest Channel / 16QAM

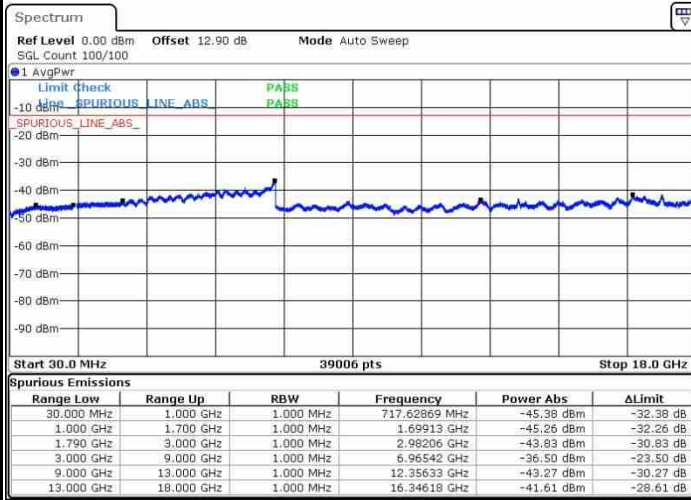


Date: 15.MAR.2018 14:37:10



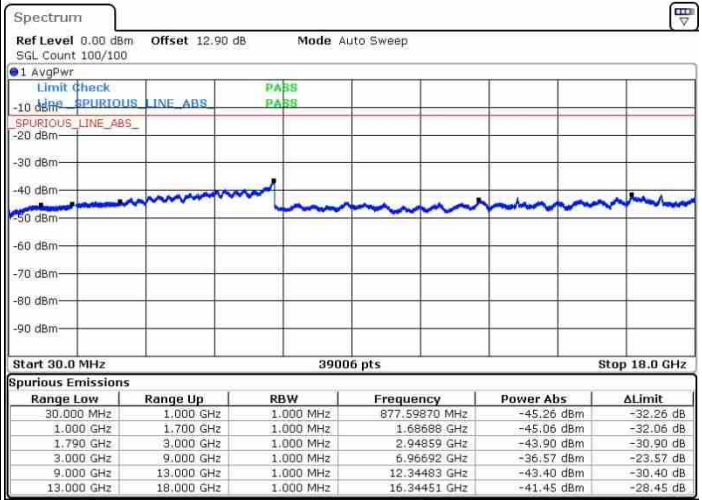
LTE Band 66 / 5MHz

Lowest Channel / QPSK



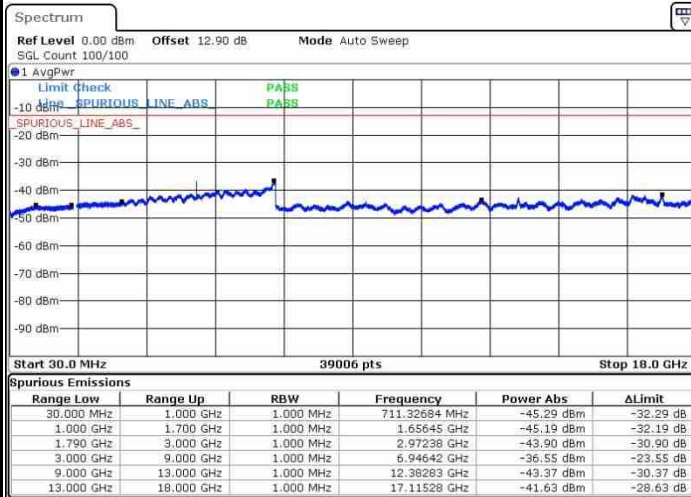
Date: 15.MAR.2018 14:43:32

Lowest Channel / 16QAM



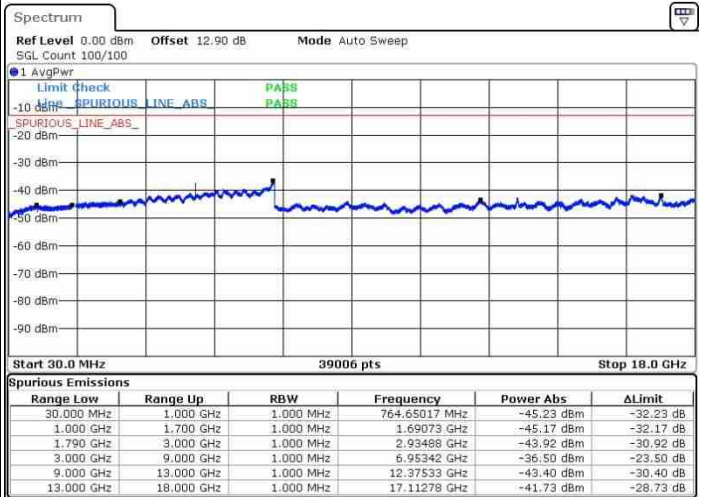
Date: 15.MAR.2018 14:44:30

Middle Channel / QPSK



Date: 15.MAR.2018 14:46:14

Middle Channel / 16QAM

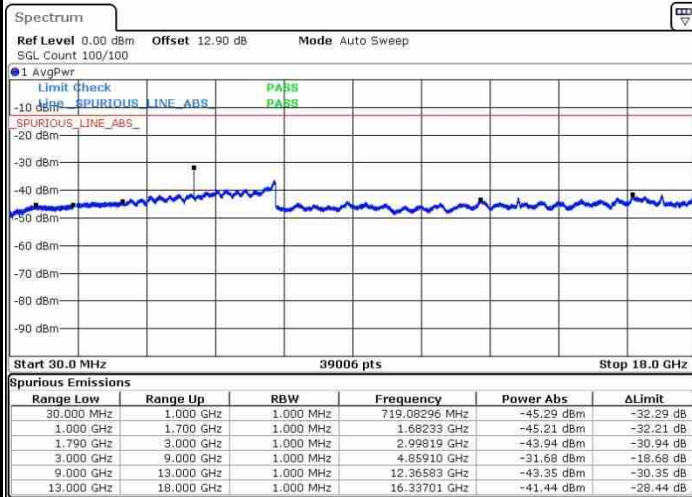


Date: 15.MAR.2018 14:47:12



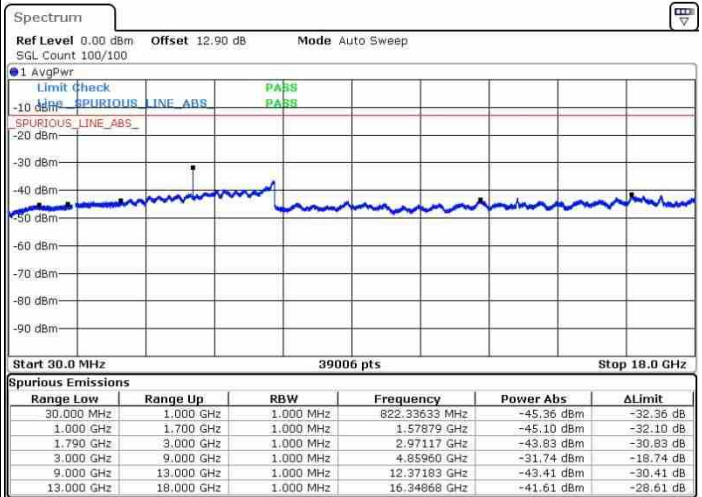
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 15.MAR.2018 14:53:35

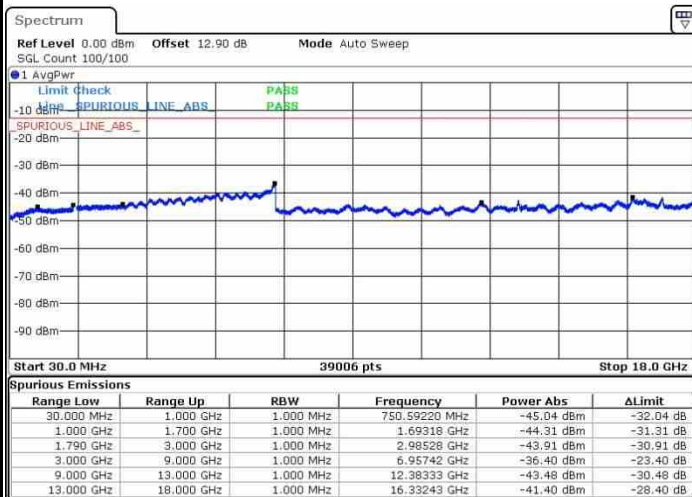
Highest Channel / 16QAM



Date: 15.MAR.2018 14:54:32

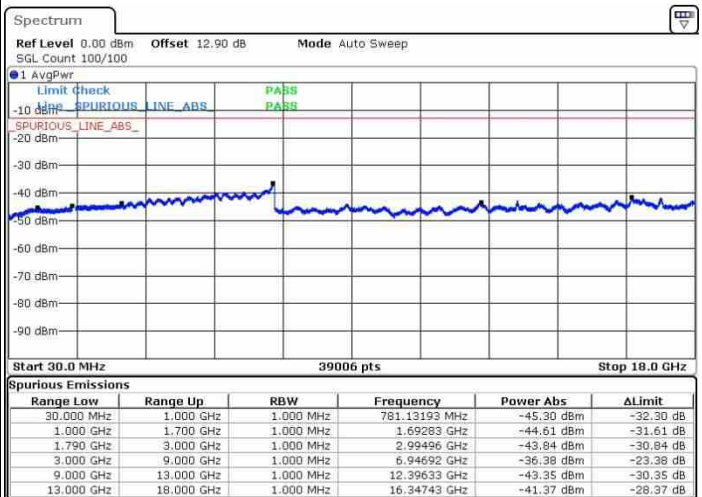
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 15.MAR.2018 15:36:21

Lowest Channel / 16QAM

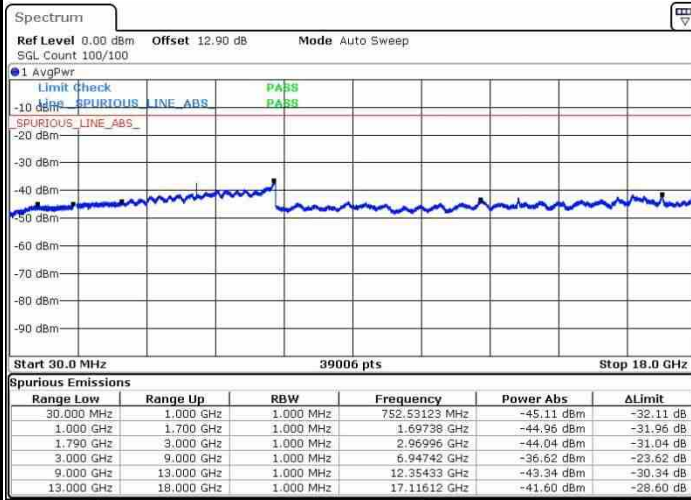


Date: 15.MAR.2018 15:37:18



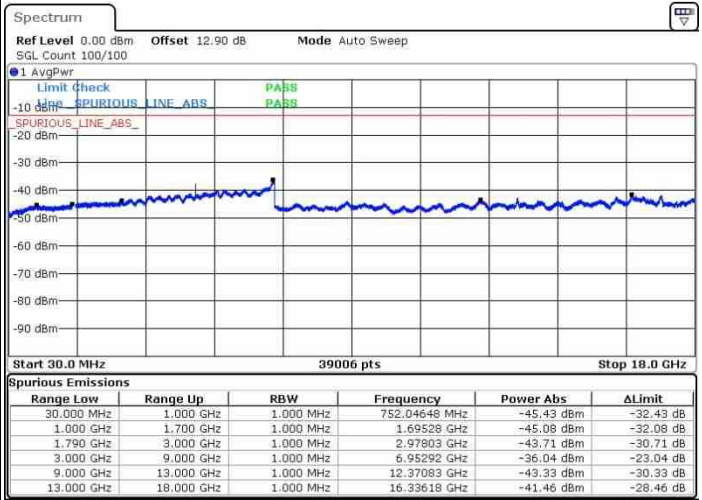
LTE Band 66 / 10MHz

Middle Channel / QPSK



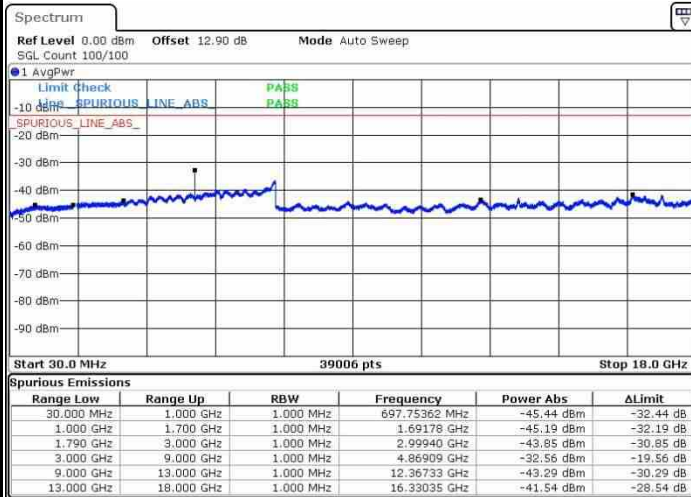
Date: 15.MAR.2018 15:39:03

Middle Channel / 16QAM



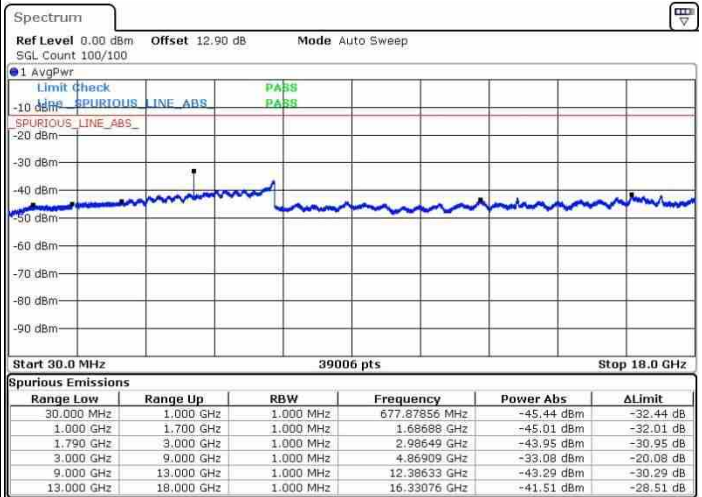
Date: 15.MAR.2018 15:40:01

Highest Channel / QPSK



Date: 15.MAR.2018 15:46:23

Highest Channel / 16QAM

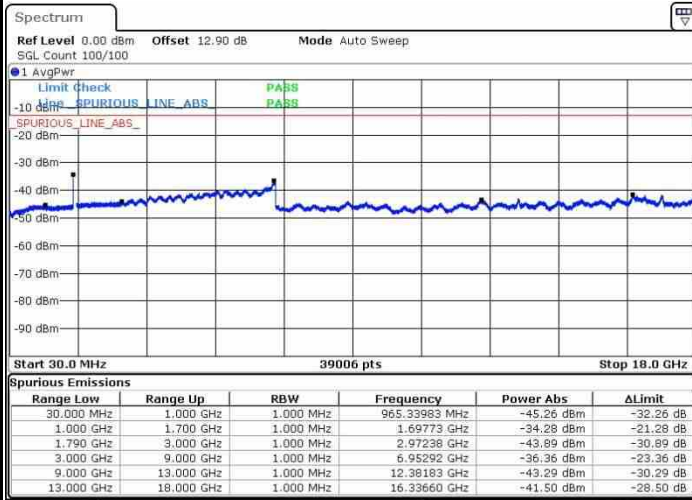


Date: 15.MAR.2018 15:47:21



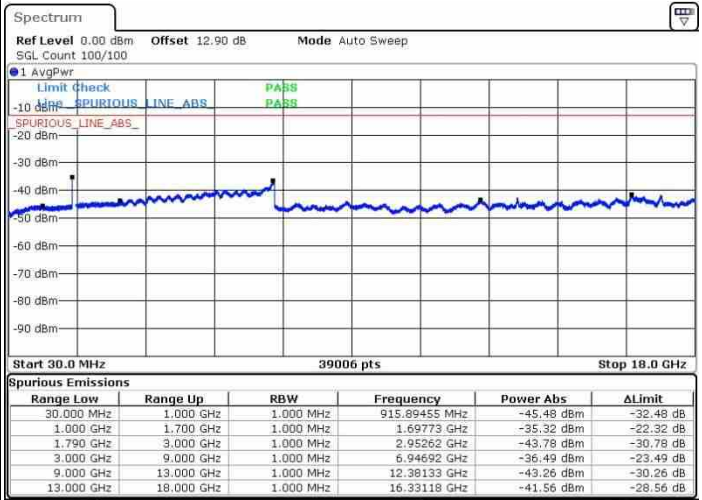
LTE Band 66 / 15MHz

Lowest Channel / QPSK



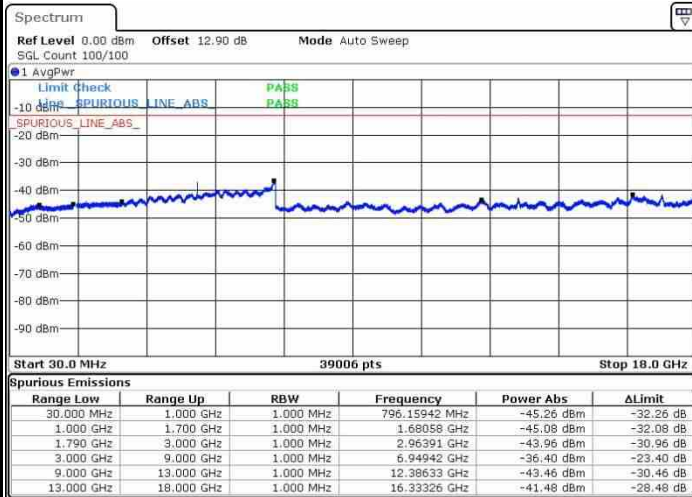
Date: 15.MAR.2018 15:53:44

Lowest Channel / 16QAM



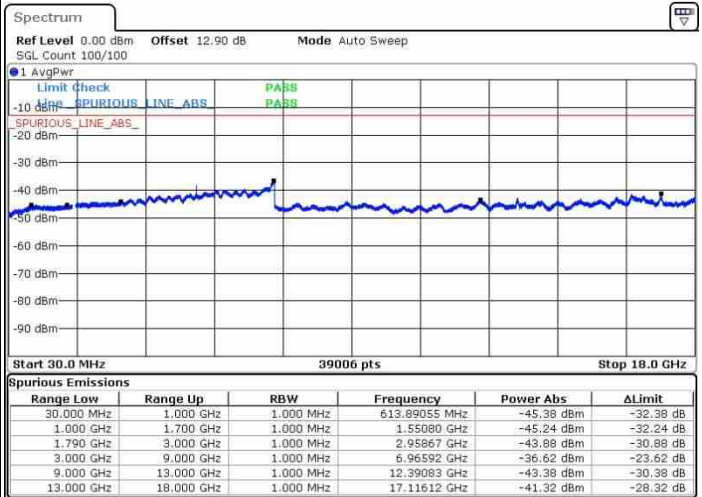
Date: 15.MAR.2018 15:54:41

Middle Channel / QPSK



Date: 15.MAR.2018 15:56:26

Middle Channel / 16QAM

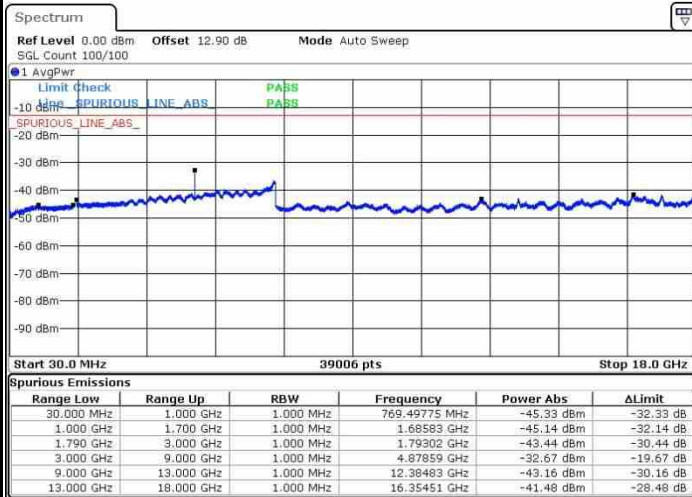


Date: 15.MAR.2018 15:57:23



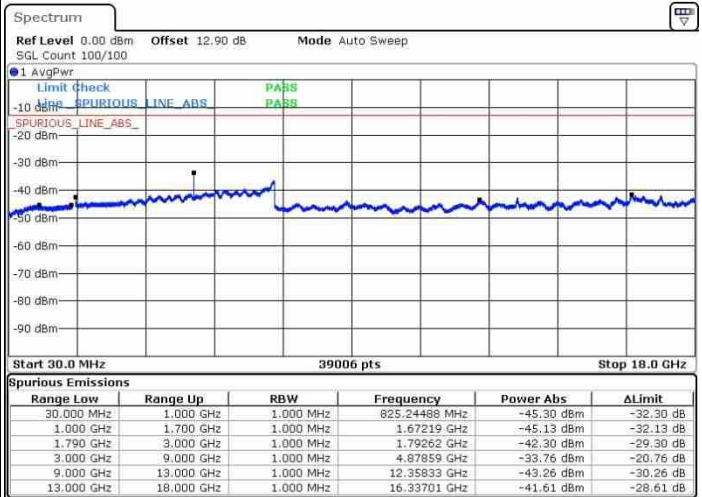
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 15.MAR.2018 16:03:44

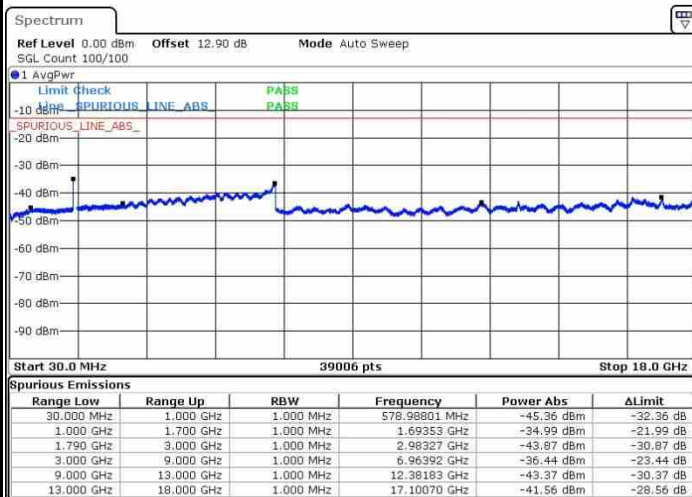
Highest Channel / 16QAM



Date: 15.MAR.2018 16:04:41

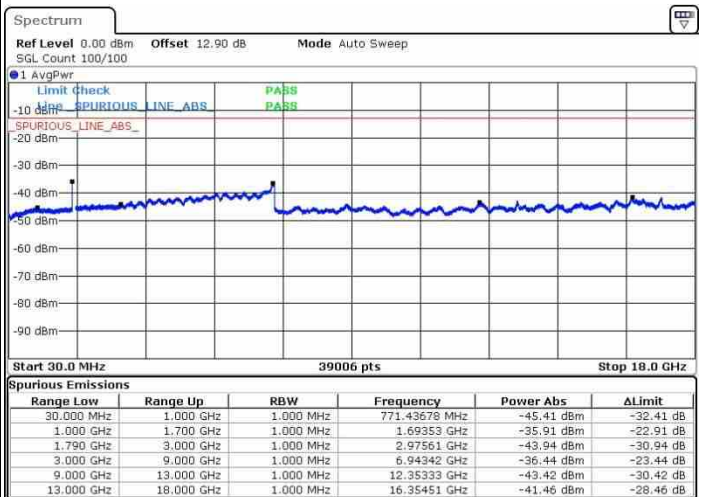
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 15.MAR.2018 16:11:03

Lowest Channel / 16QAM

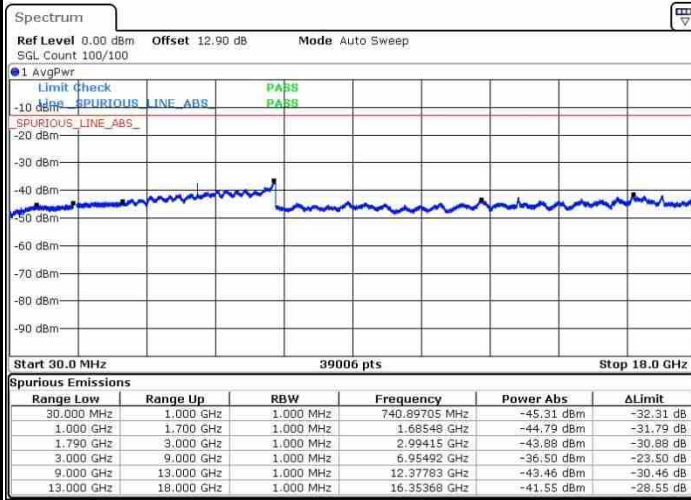


Date: 15.MAR.2018 16:12:00



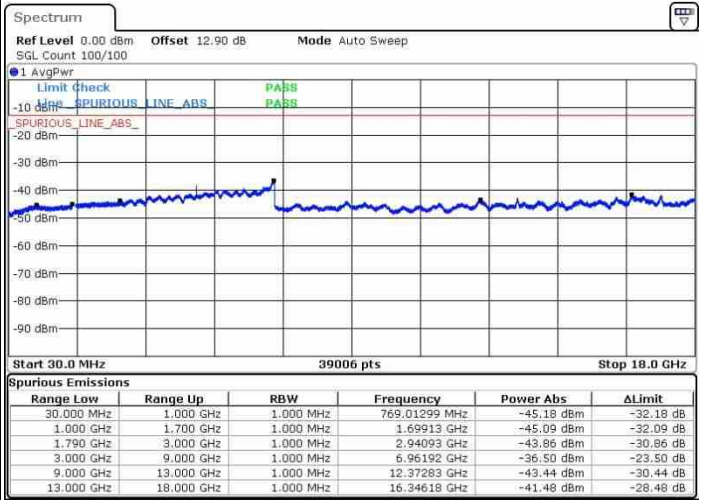
LTE Band 66 / 20MHz

Middle Channel / QPSK



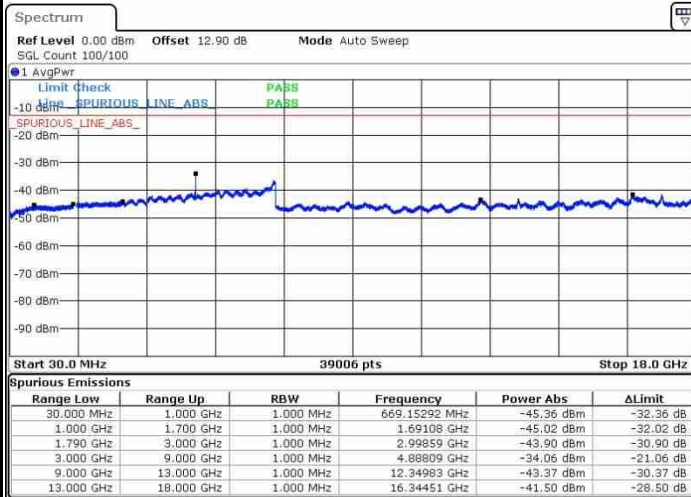
Date: 15.MAR.2018 16:13:45

Middle Channel / 16QAM



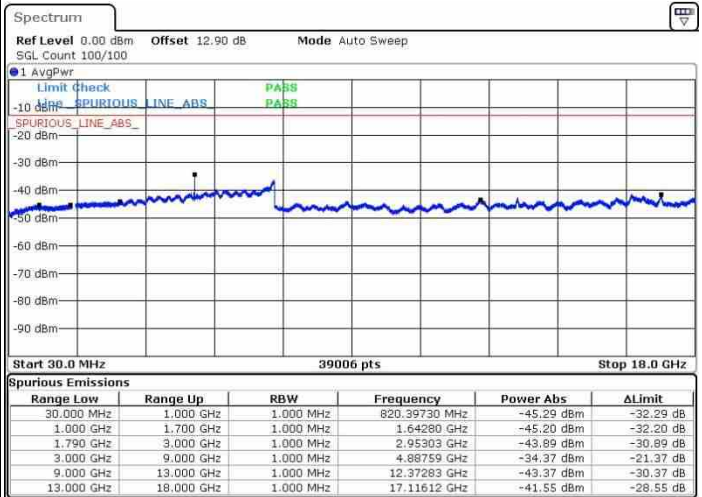
Date: 15.MAR.2018 16:14:42

Highest Channel / QPSK



Date: 15.MAR.2018 16:40:57

Highest Channel / 16QAM

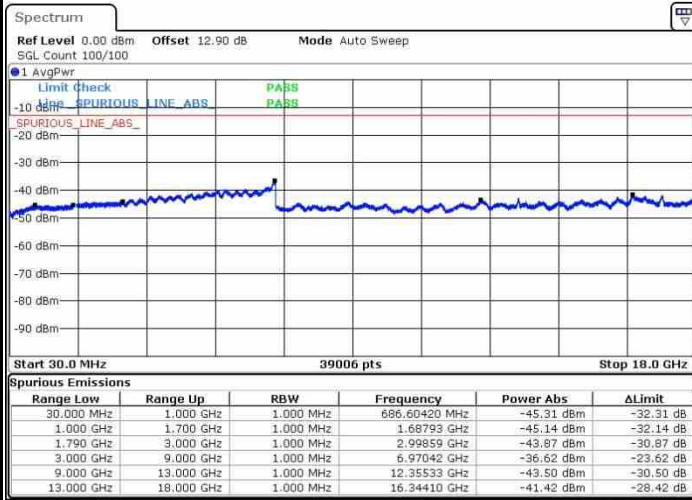


Date: 15.MAR.2018 16:41:54



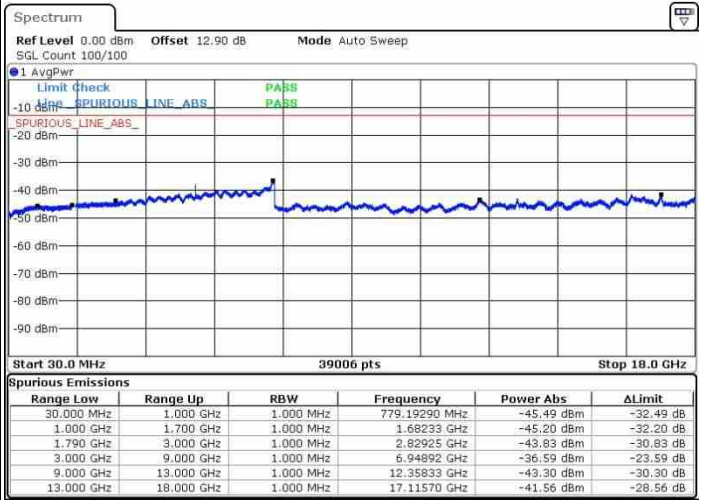
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



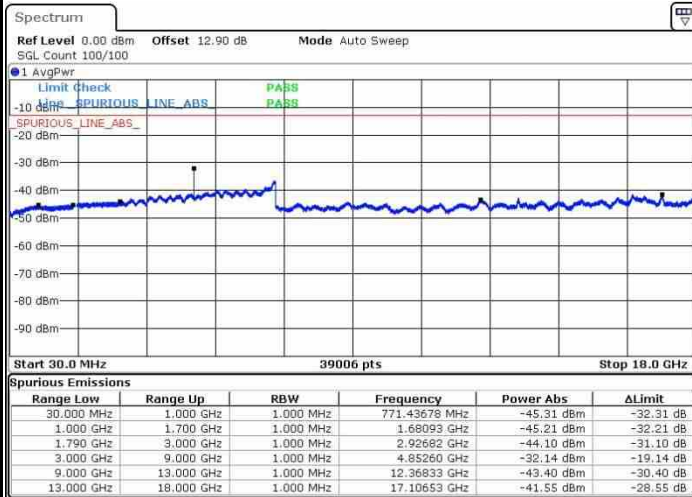
Date: 15.MAR.2018 14:14:47

Middle Channel / 64QAM



Date: 15.MAR.2018 14:16:08

Highest Channel / 64QAM

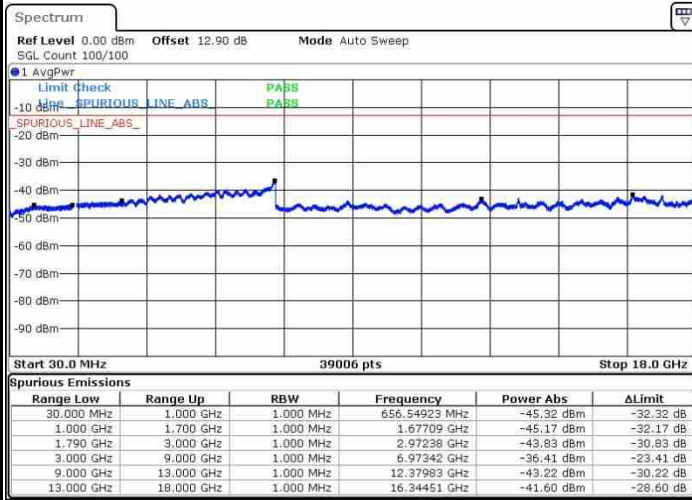


Date: 15.MAR.2018 14:19:48



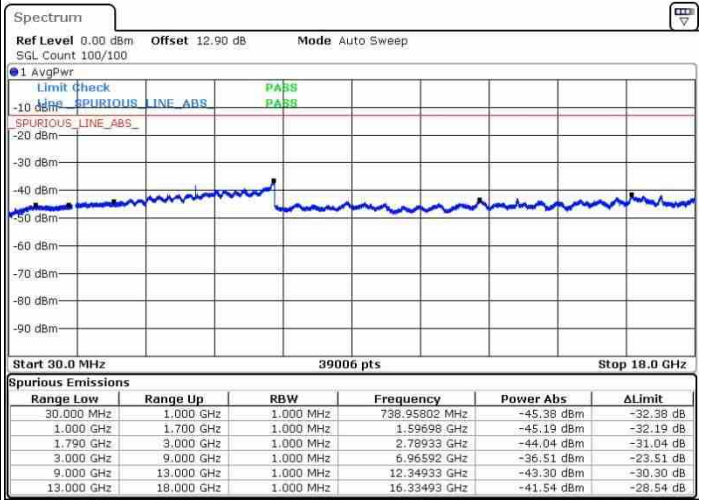
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



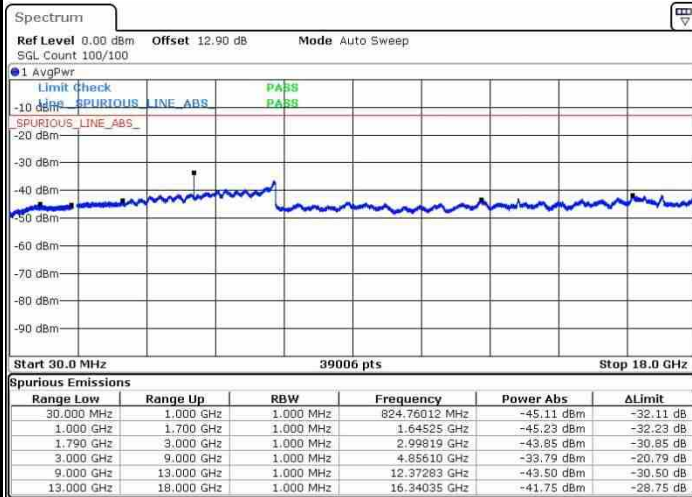
Date: 15.MAR.2018 16:45:34

Middle Channel / 64QAM



Date: 15.MAR.2018 16:46:55

Highest Channel / 64QAM

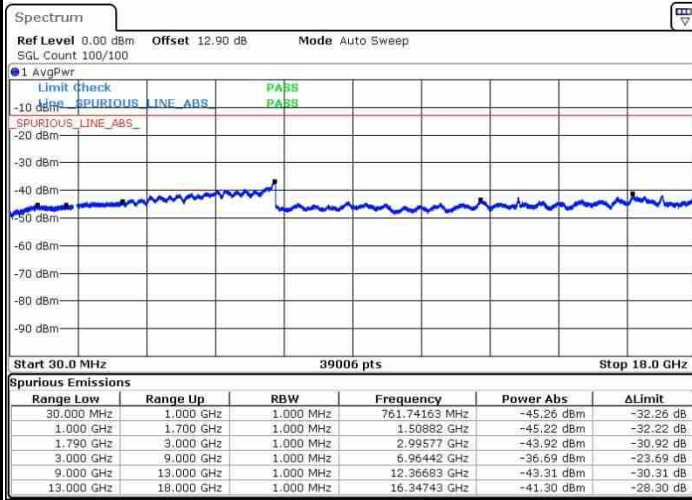


Date: 15.MAR.2018 16:50:36



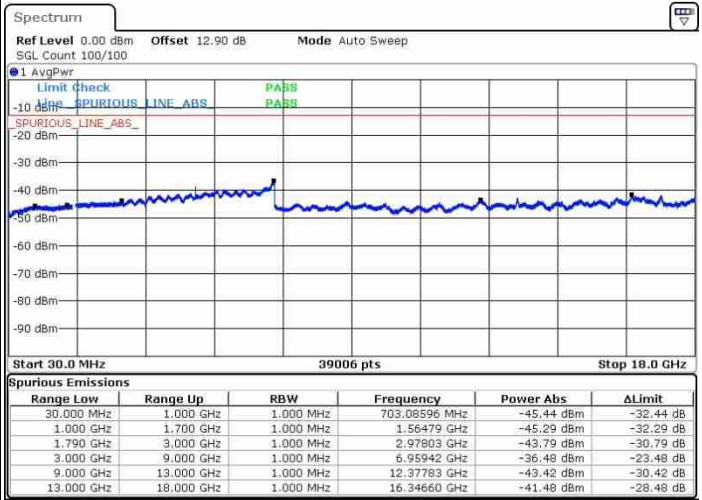
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



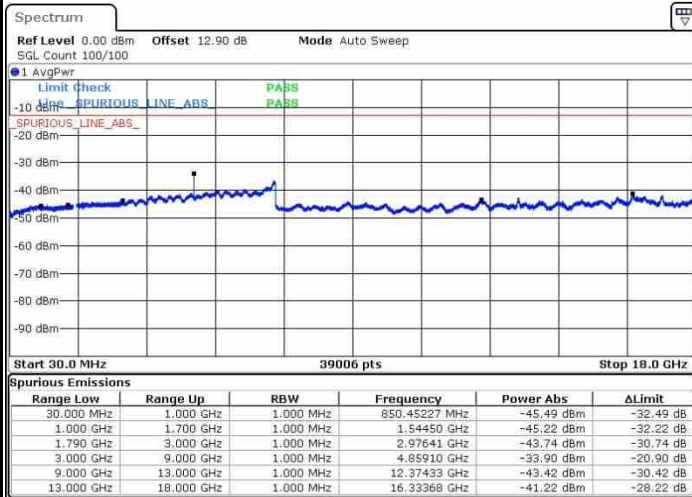
Date: 15.MAR.2018 16:54:15

Middle Channel / 64QAM



Date: 15.MAR.2018 16:55:36

Highest Channel / 64QAM

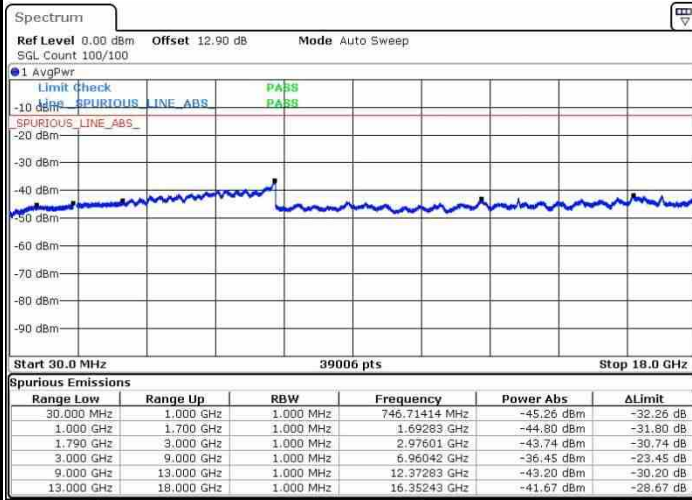


Date: 15.MAR.2018 16:59:16



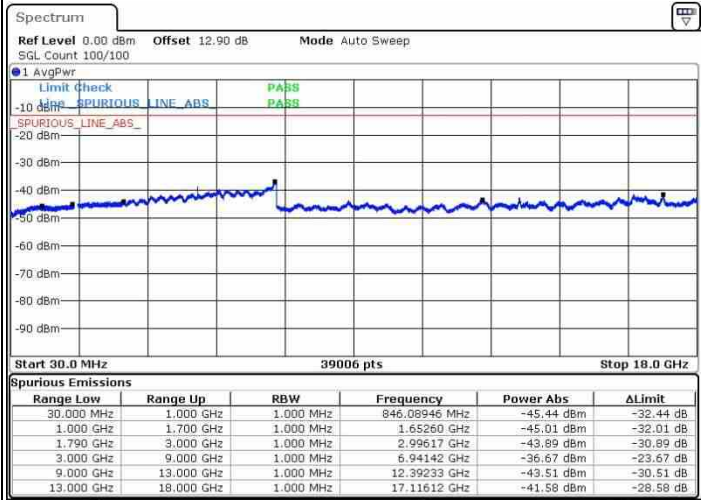
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



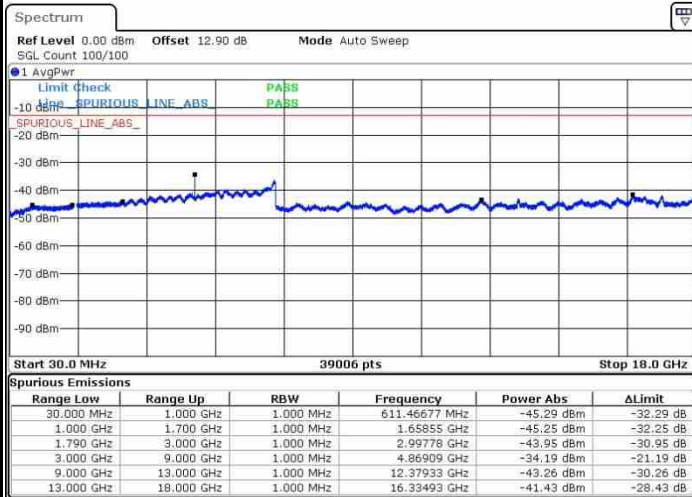
Date: 15.MAR.2018 17:02:56

Middle Channel / 64QAM



Date: 15.MAR.2018 17:04:17

Highest Channel / 64QAM

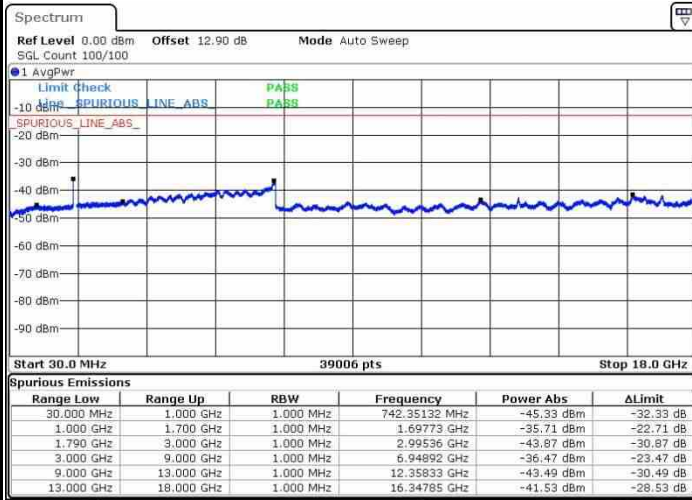


Date: 15.MAR.2018 17:07:57



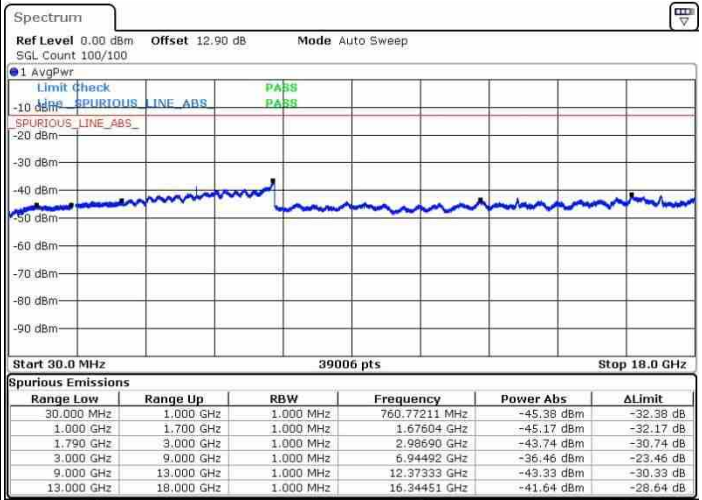
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



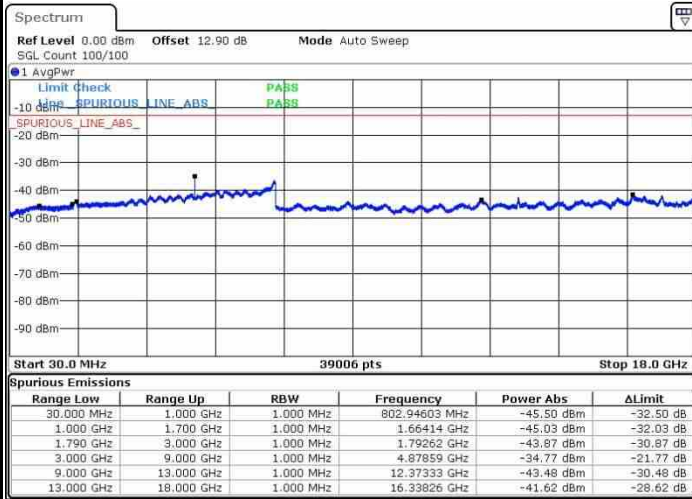
Date: 15.MAR.2018 17:11:36

Middle Channel / 64QAM



Date: 15.MAR.2018 17:12:57

Highest Channel / 64QAM

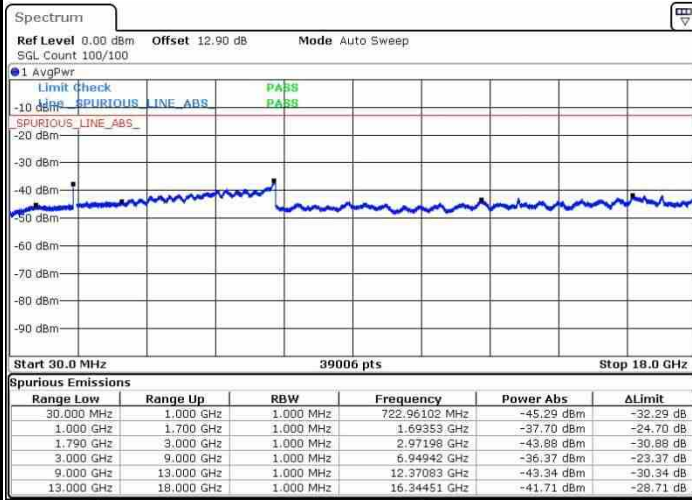


Date: 15.MAR.2018 17:16:37



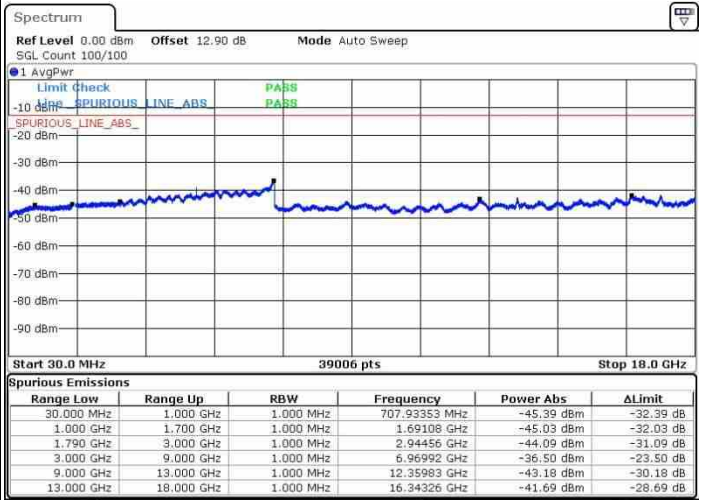
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



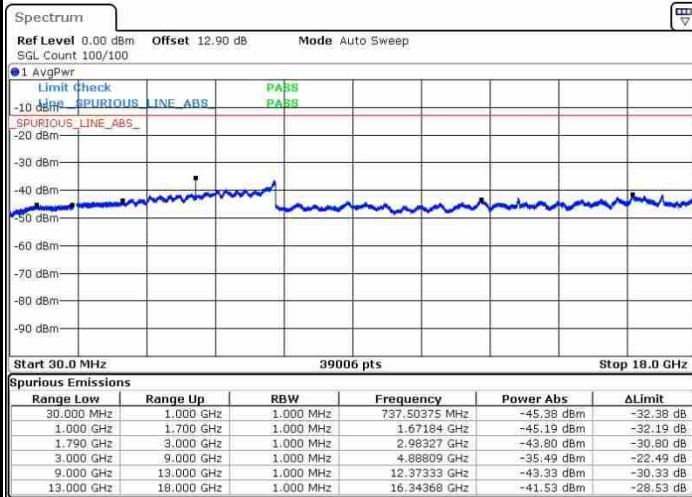
Date: 15.MAR.2018 17:20:16

Middle Channel / 64QAM



Date: 15.MAR.2018 17:21:38

Highest Channel / 64QAM



Date: 15.MAR.2018 17:39:52

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0081	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0097	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0124	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

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

LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.46	3.97	5.80	PASS
Middle CH	3.48	4.49	4.49	5.80	
Highest CH	3.48	4.67	4.41	5.83	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.29	-	-	PASS
Middle CH	5.13	6.32	-	-	
Highest CH	5.25	6.41	-	-	



LTE Band 71 / 20MHz / QPSK

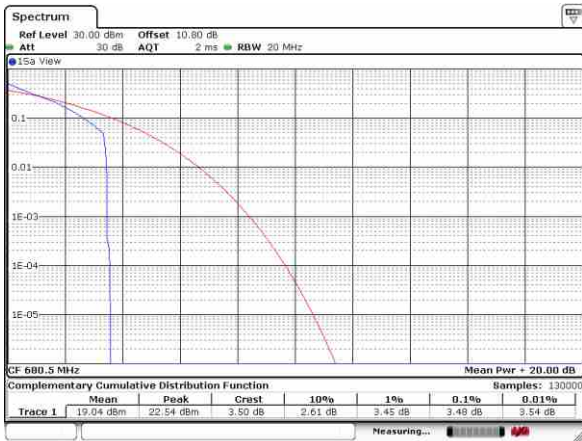
Lowest Channel / 1RB



Lowest Channel / Full RB



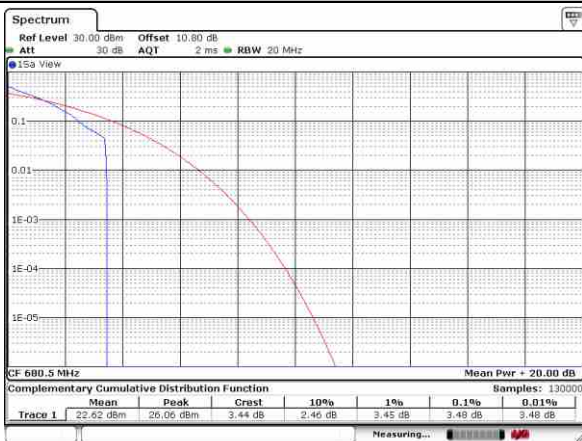
Middle Channel / 1RB



Middle Channel / Full RB

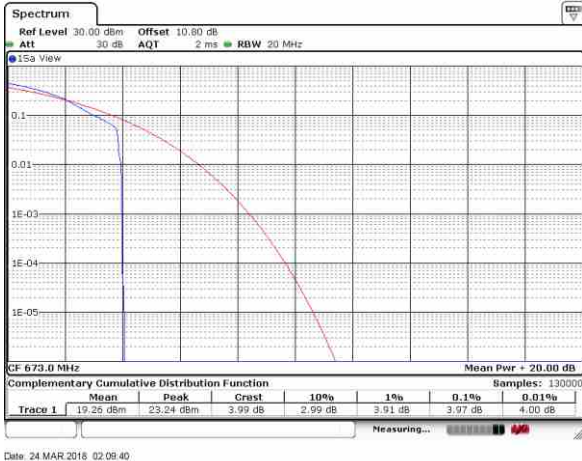
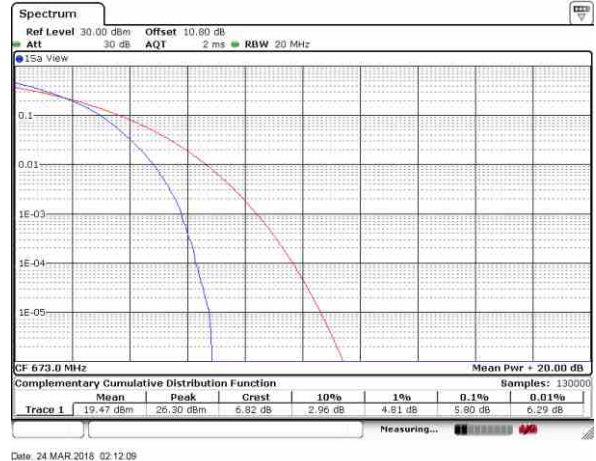


Highest Channel / 1RB

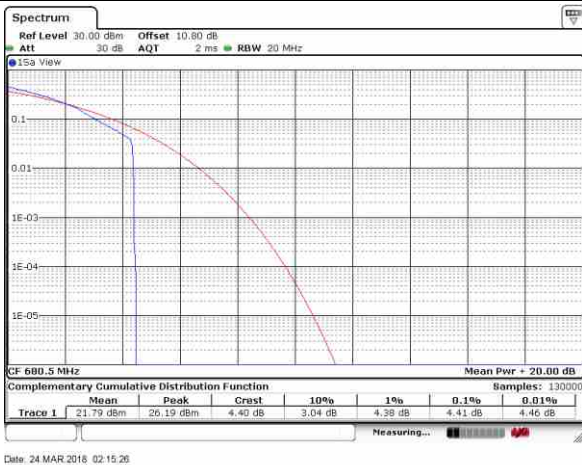


Highest Channel / Full RB

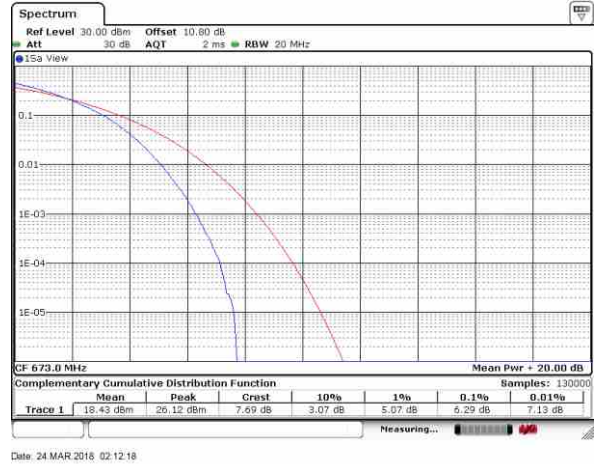
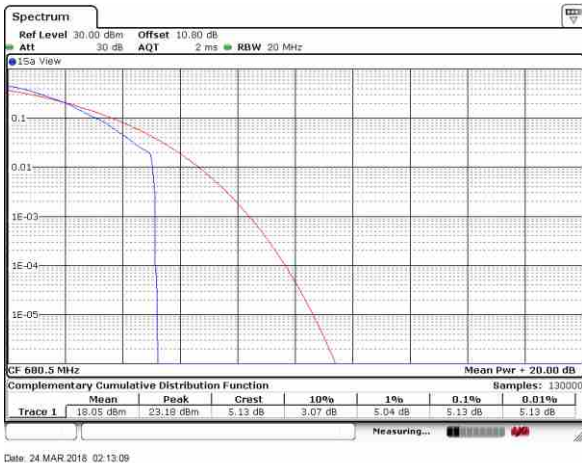


LTE Band 71 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 71 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB

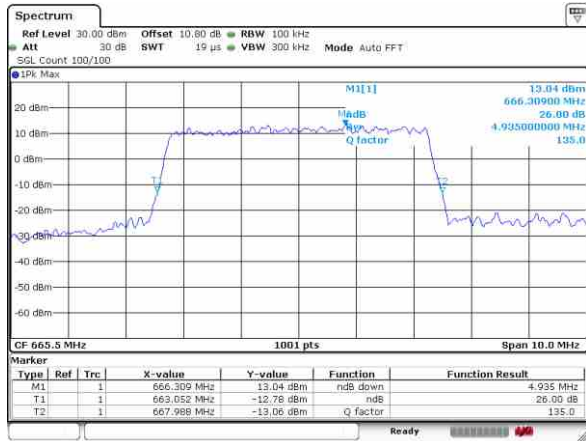

**26dB Bandwidth**

Mode	LTE Band 71 : 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	-	-	-	-	4.94	4.91	9.85	9.73	14.42	14.48	20.22	20.22
Middle CH	-	-	-	-	4.95	4.81	9.75	9.63	14.42	14.42	20.30	20.10
Highest CH	-	-	-	-	4.90	4.94	9.65	9.81	14.18	4.45	20.30	20.38
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	9.65	-	14.36	-	20.22	-
Middle CH	-	-	-	-	4.83	-	9.85	-	14.66	-	20.14	-
Highest CH	-	-	-	-	4.88	-	9.95	-	14.39	-	20.18	-



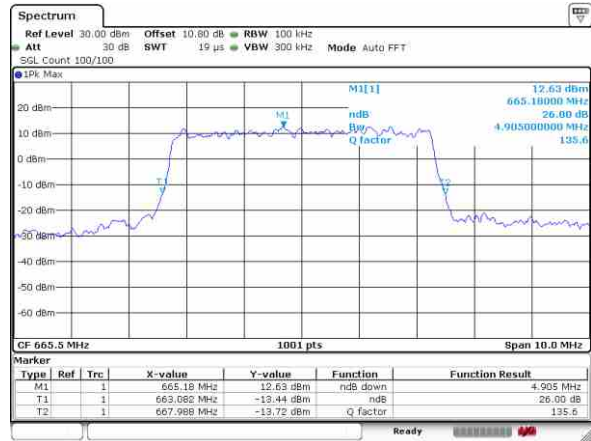
LTE Band 71

Lowest Channel / 5MHz / QPSK



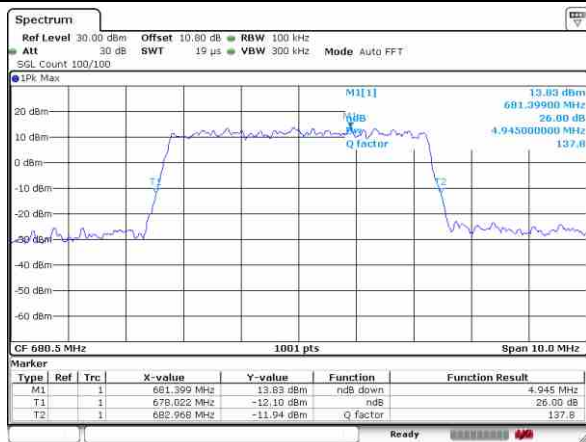
Date: 24 MAR 2016 01:16:56

Lowest Channel / 5MHz / 16QAM



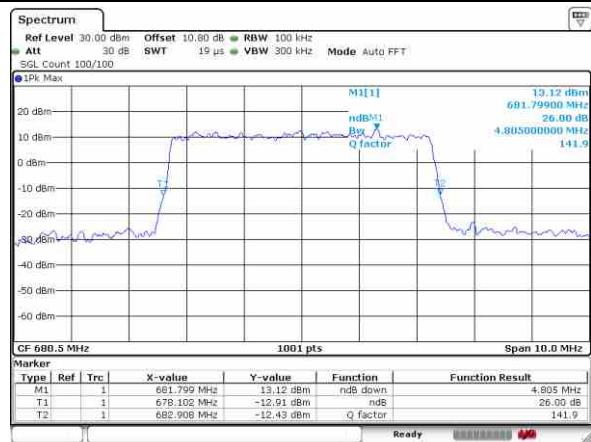
Date: 24 MAR 2016 01:17:10

Middle Channel / 5MHz / QPSK



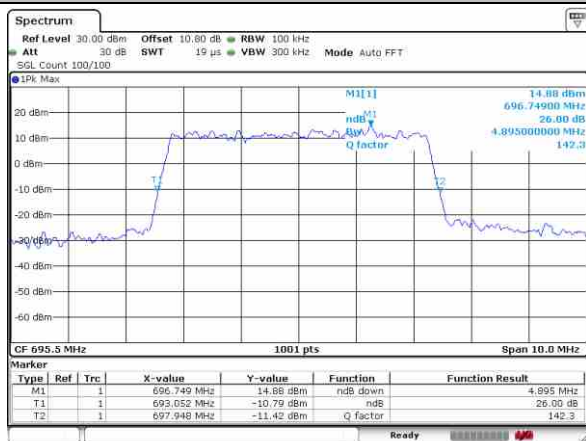
Date: 24 MAR 2016 01:18:03

Middle Channel / 5MHz / 16QAM



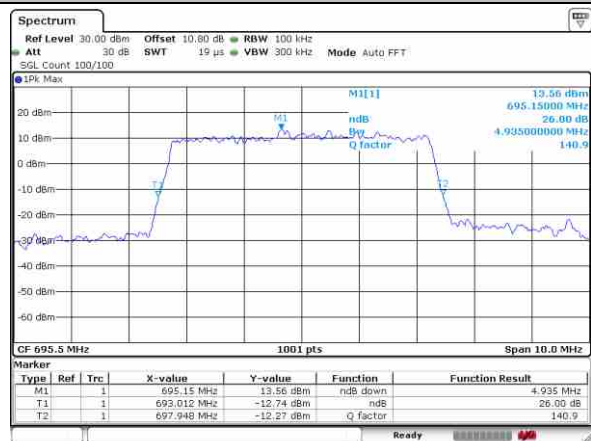
Date: 24 MAR 2016 01:18:12

Highest Channel / 5MHz / QPSK



Date: 24 MAR 2016 01:18:45

Highest Channel / 5MHz / 16QAM

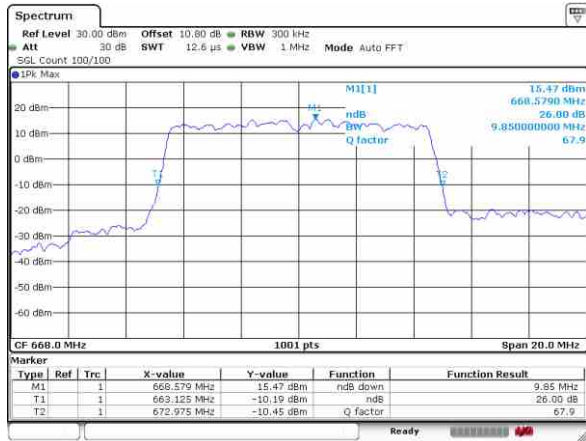


Date: 24 MAR 2016 01:18:53



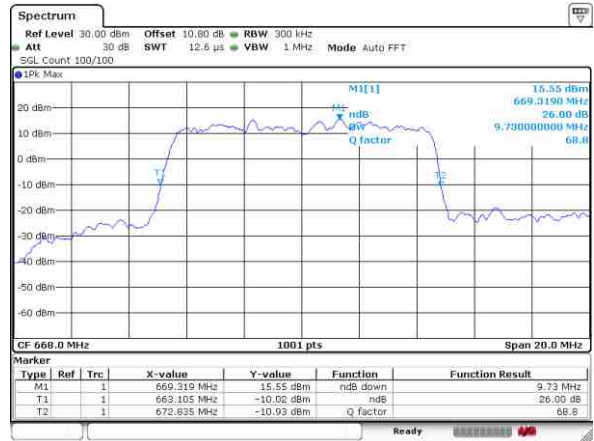
LTE Band 71

Lowest Channel / 10MHz / QPSK



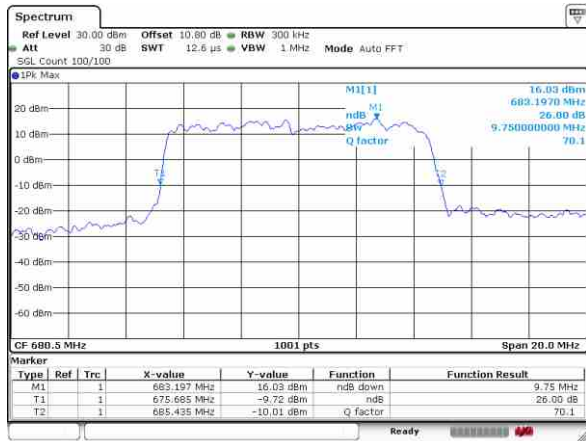
Date: 24 MAR 2016 01:20:41

Lowest Channel / 10MHz / 16QAM



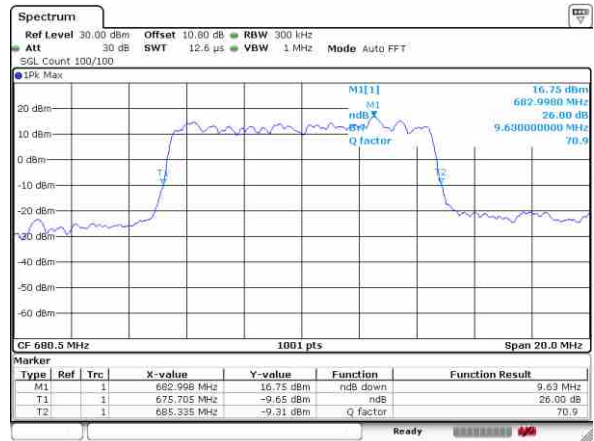
Date: 24 MAR 2016 01:20:51

Middle Channel / 10MHz / QPSK



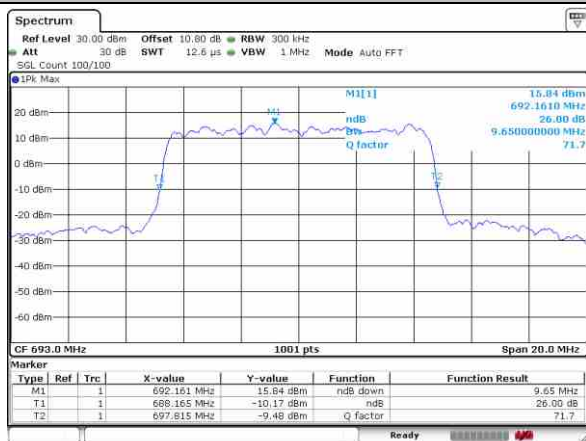
Date: 24 MAR 2016 01:21:25

Middle Channel / 10MHz / 16QAM



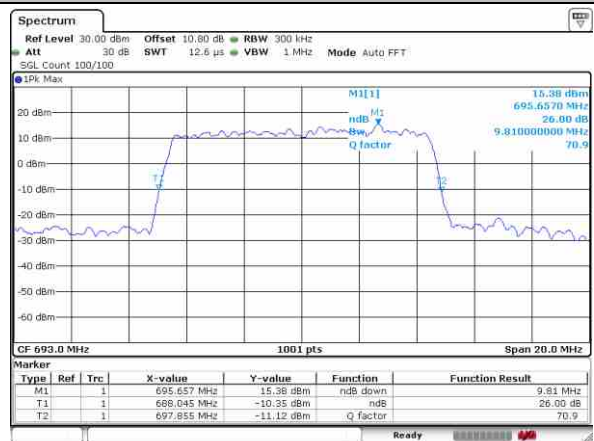
Date: 24 MAR 2016 01:21:34

Highest Channel / 10MHz / QPSK



Date: 24 MAR 2016 01:23:30

Highest Channel / 10MHz / 16QAM

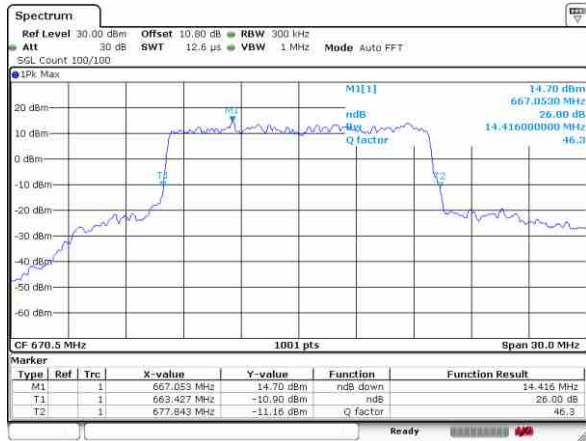


Date: 24 MAR 2016 01:23:38



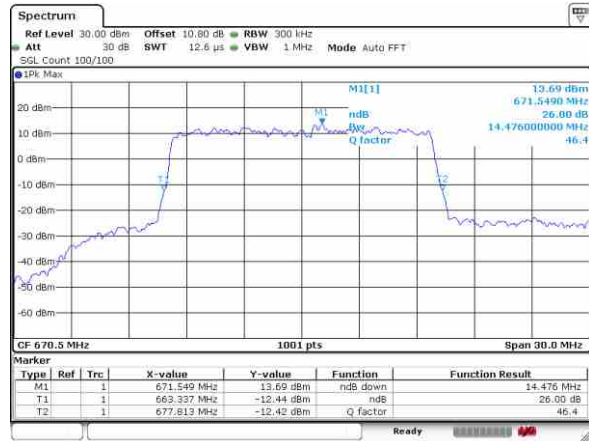
LTE Band 71

Lowest Channel / 15MHz / QPSK



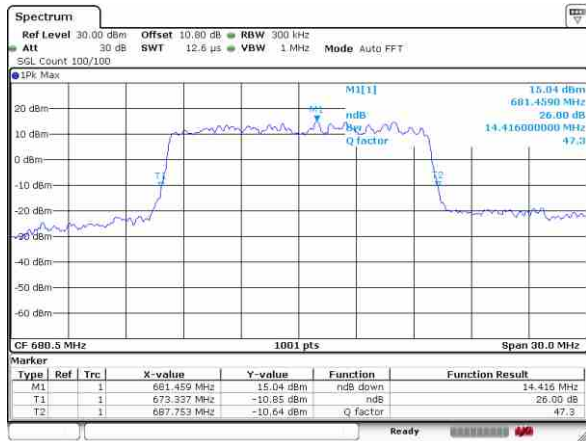
Date: 24 MAR 2016 01:25:06

Lowest Channel / 15MHz / 16QAM



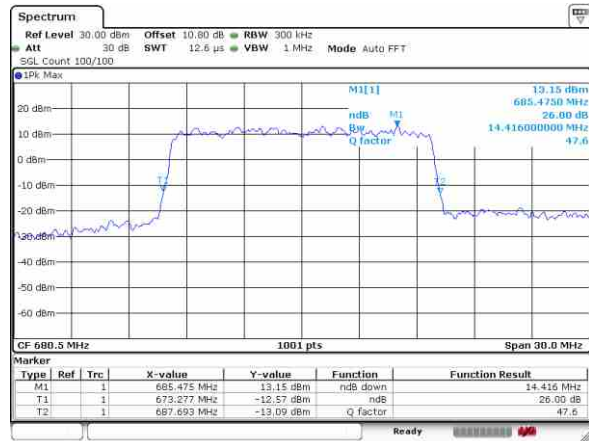
Date: 24 MAR 2016 01:25:15

Middle Channel / 15MHz / QPSK



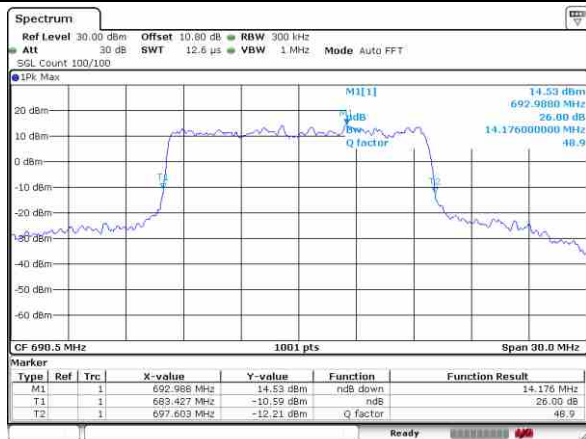
Date: 24 MAR 2016 01:25:44

Middle Channel / 15MHz / 16QAM



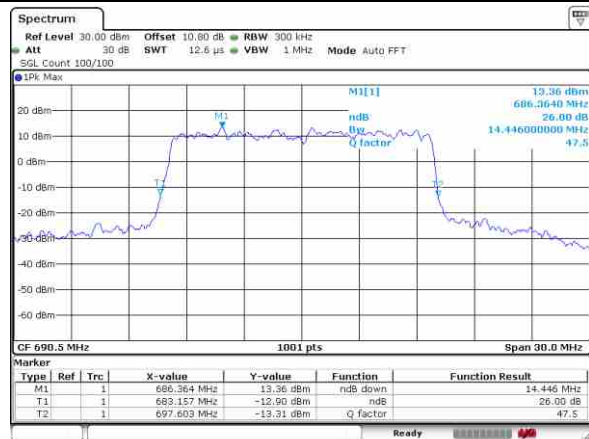
Date: 24 MAR 2016 01:25:51

Highest Channel / 15MHz / QPSK



Date: 24 MAR 2016 01:30:49

Highest Channel / 15MHz / 16QAM

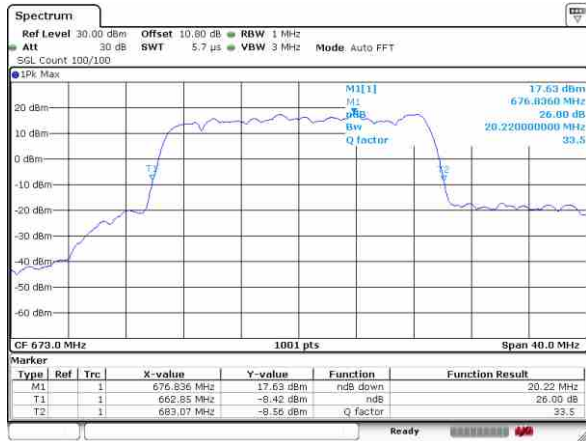


Date: 24 MAR 2016 01:30:57



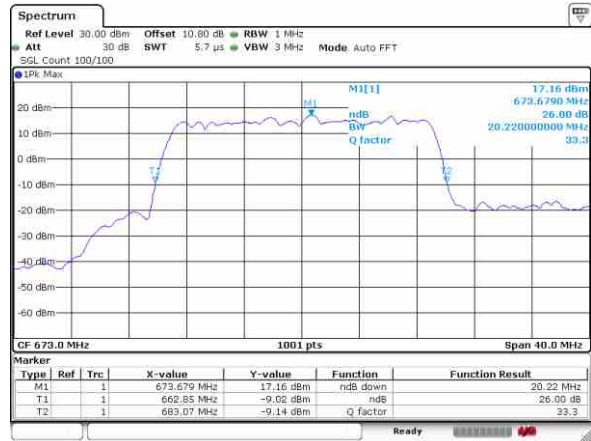
LTE Band 71

Lowest Channel / 20MHz / QPSK



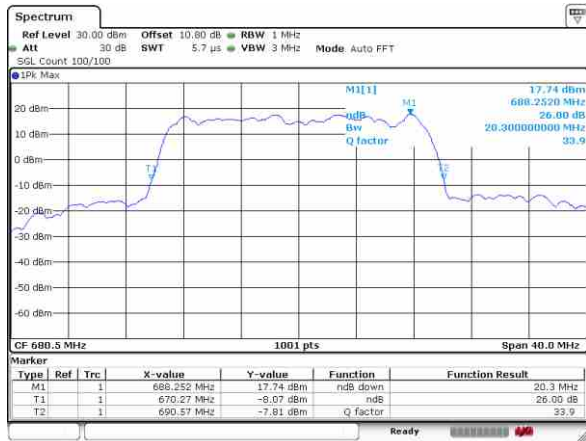
Date: 24 MAR 2016 01:32:41

Lowest Channel / 20MHz / 16QAM



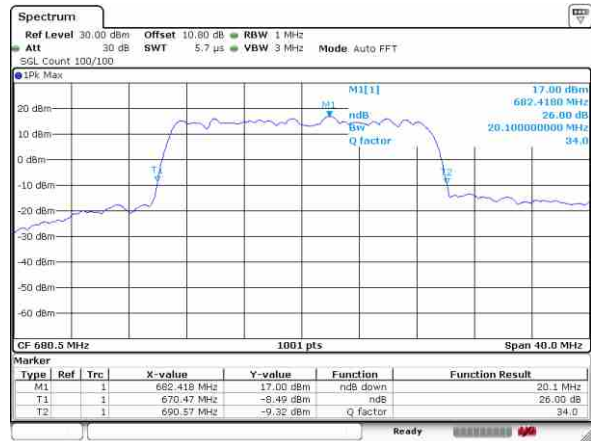
Date: 24 MAR 2016 01:32:48

Middle Channel / 20MHz / QPSK



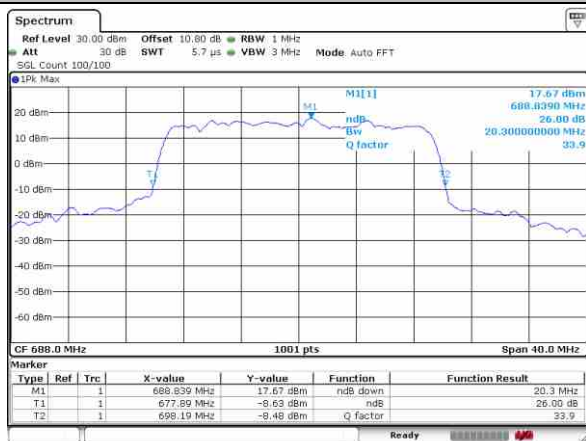
Date: 24 MAR 2016 01:33:20

Middle Channel / 20MHz / 16QAM



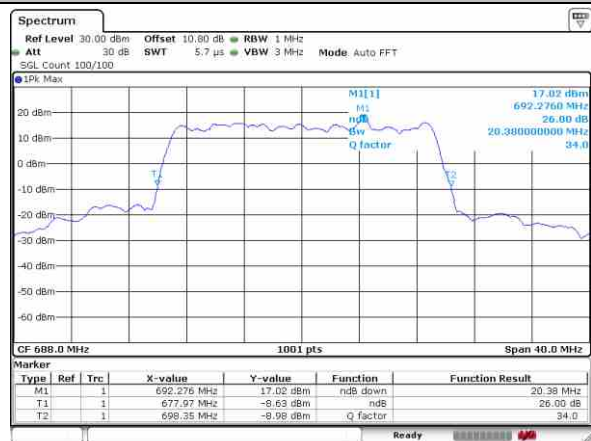
Date: 24 MAR 2016 01:33:33

Highest Channel / 20MHz / QPSK



Date: 24 MAR 2016 01:35:27

Highest Channel / 20MHz / 16QAM

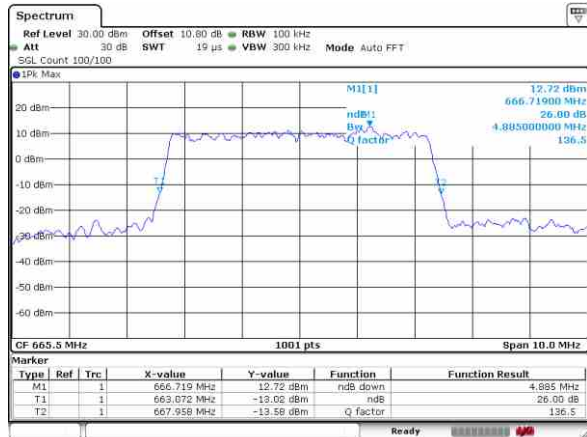


Date: 24 MAR 2016 01:35:37



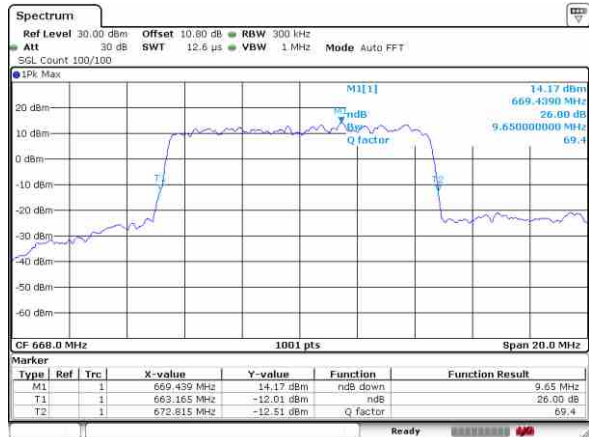
LTE Band 71

Lowest Channel / 5MHz / 64QAM



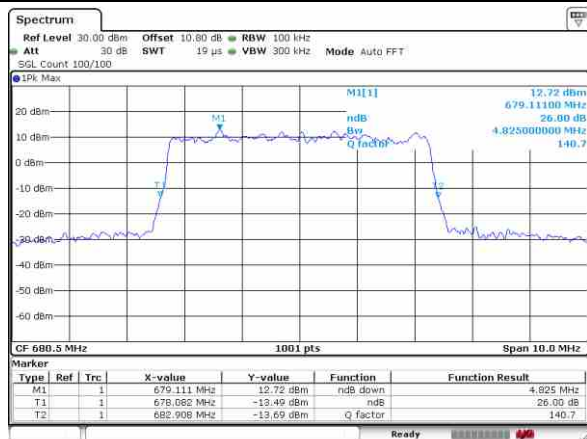
Date: 24 MAR 2016 01:17:17

Lowest Channel / 10MHz / 64QAM



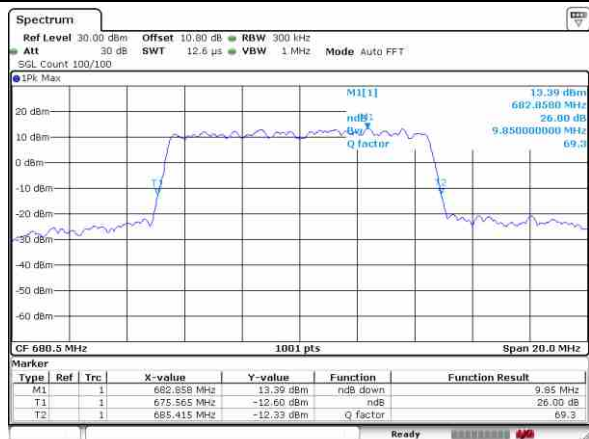
Date: 24 MAR 2016 01:21:01

Middle Channel / 5MHz / 64QAM



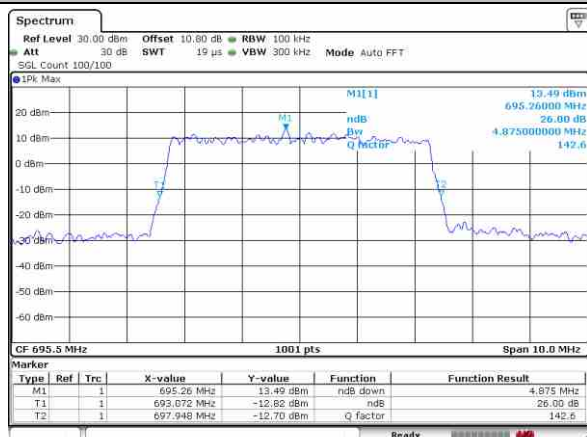
Date: 24 MAR 2016 01:18:21

Middle Channel / 10MHz / 64QAM



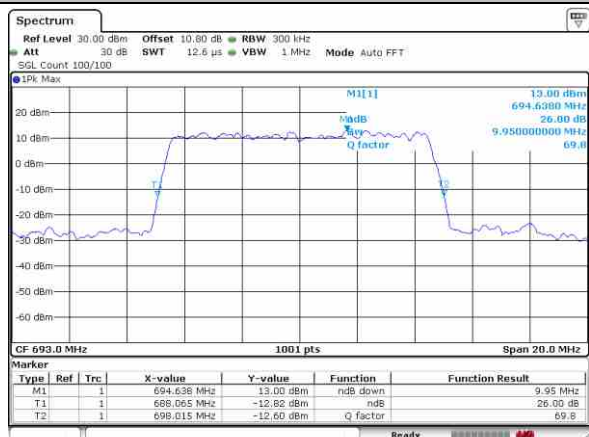
Date: 24 MAR 2016 01:21:42

Highest Channel / 5MHz / 64QAM



Date: 24 MAR 2016 01:19:00

Highest Channel / 10MHz / 64QAM

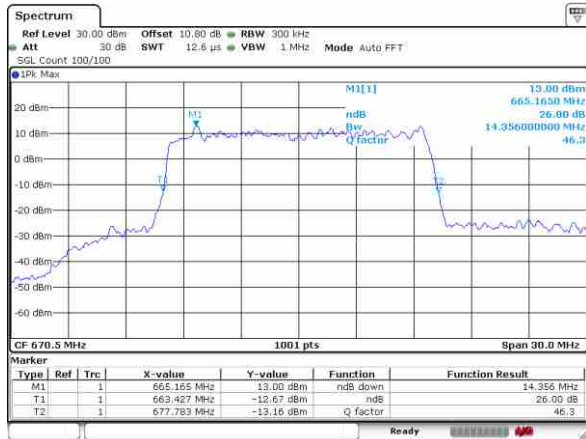


Date: 24 MAR 2016 01:23:44



LTE Band 71

Lowest Channel / 15MHz / 64QAM



Date: 24 MAR 2016 01:25:21

Lowest Channel / 20MHz / 64QAM



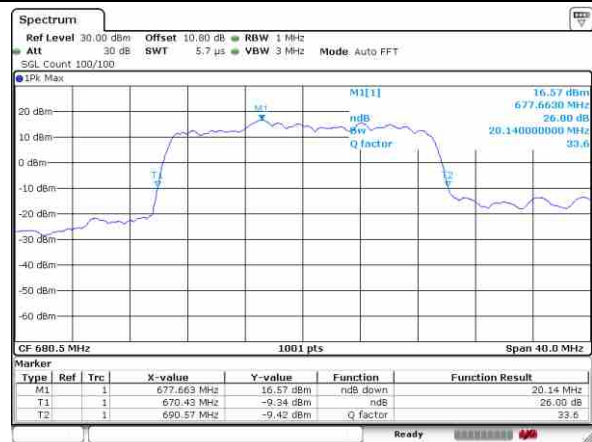
Date: 24 MAR 2016 01:32:56

Middle Channel / 15MHz / 64QAM



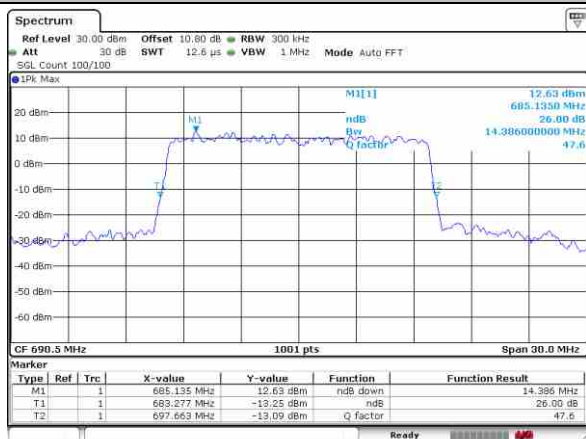
Date: 24 MAR 2016 01:25:59

Middle Channel / 20MHz / 64QAM



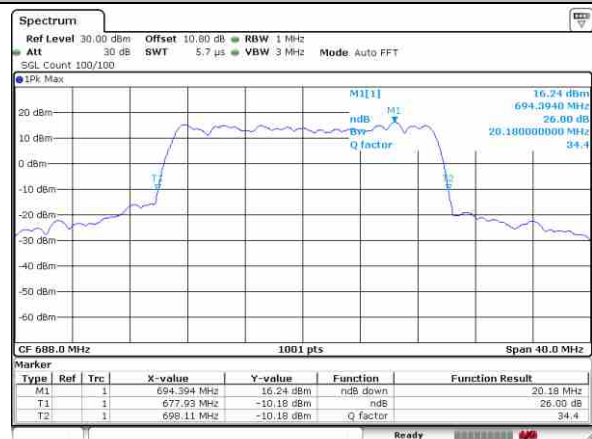
Date: 24 MAR 2016 01:34:27

Highest Channel / 15MHz / 64QAM



Date: 24 MAR 2016 01:31:04

Highest Channel / 20MHz / 64QAM



Date: 24 MAR 2016 01:35:45

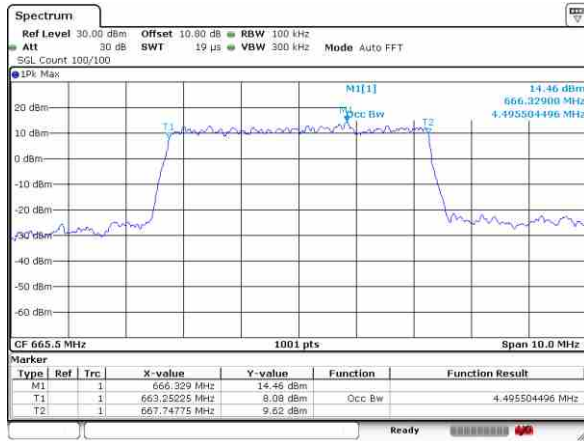
**Occupied Bandwidth**

Mode	LTE Band 71 : 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	4.48	9.03	8.99	13.46	13.43	18.26	18.46
Middle CH	-	-	-	-	4.49	4.50	8.99	8.97	13.43	13.40	18.42	18.34
Highest CH	-	-	-	-	4.51	4.50	9.01	8.97	13.46	13.49	18.22	18.50
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	8.97	-	13.37	-	18.42	-
Middle CH	-	-	-	-	4.50	-	8.99	-	13.40	-	18.46	-
Highest CH	-	-	-	-	4.50	-	9.01	-	13.43	-	18.46	-



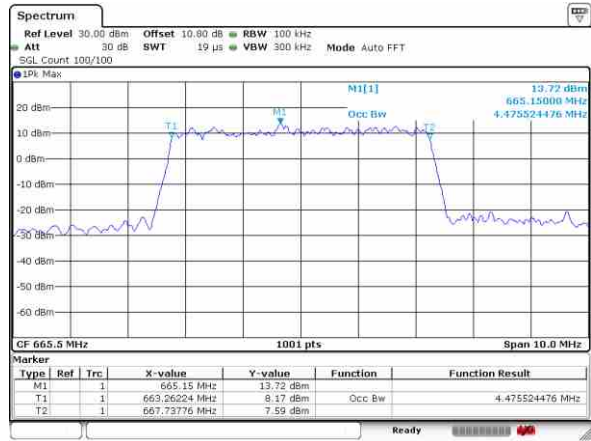
LTE Band 71

Lowest Channel / 5MHz / QPSK



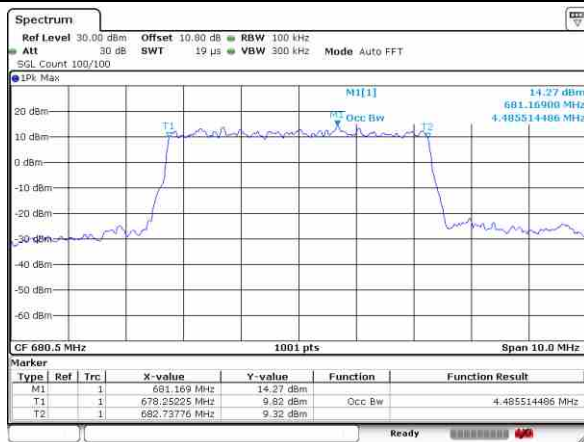
Date: 24 MAR 2018 01:42:17

Lowest Channel / 5MHz / 16QAM



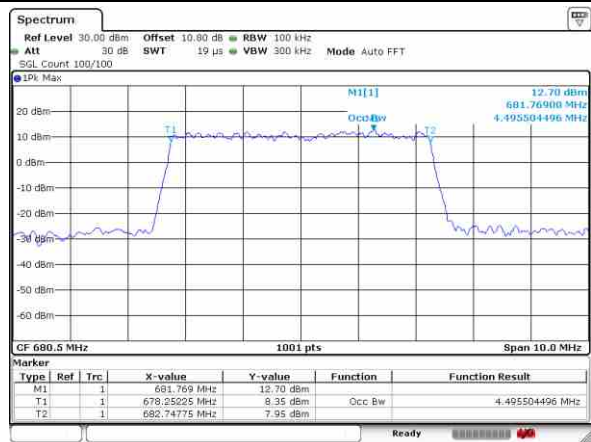
Date: 24 MAR 2018 01:42:27

Middle Channel / 5MHz / QPSK



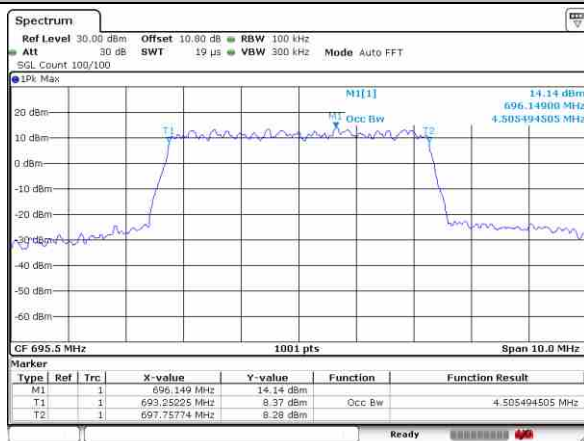
Date: 24 MAR 2018 01:45:28

Middle Channel / 5MHz / 16QAM



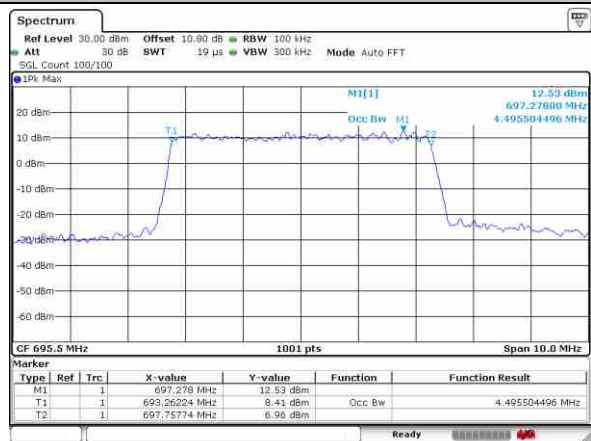
Date: 24 MAR 2018 01:45:36

Highest Channel / 5MHz / QPSK



Date: 24 MAR 2018 01:46:57

Highest Channel / 5MHz / 16QAM

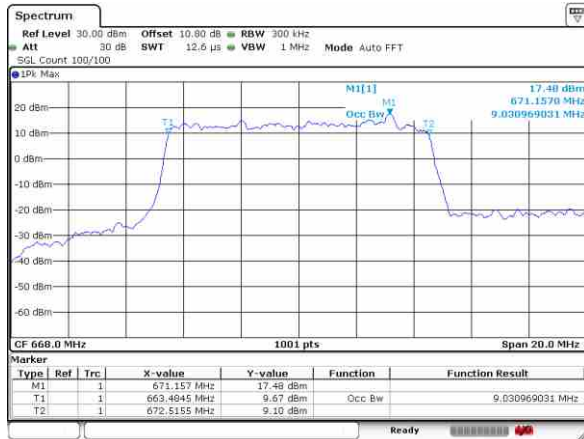


Date: 24 MAR 2018 01:47:05

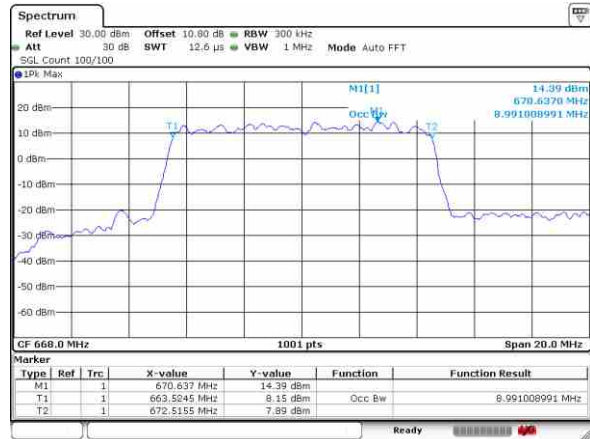


LTE Band 71

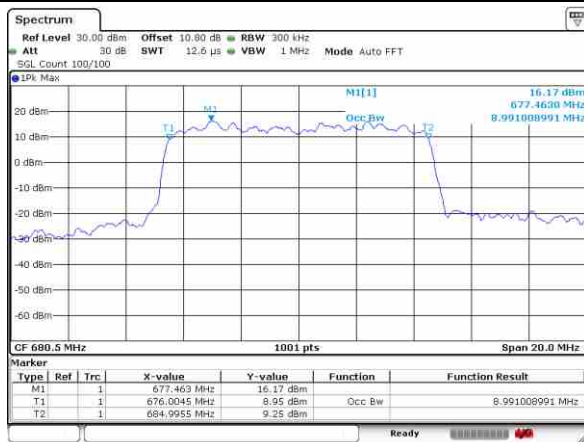
Lowest Channel / 10MHz / QPSK



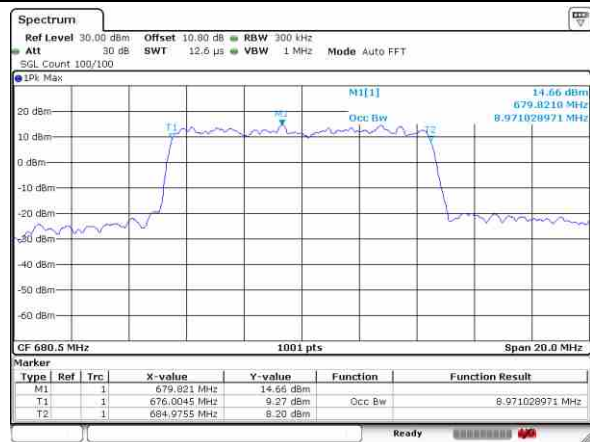
Lowest Channel / 10MHz / 16QAM



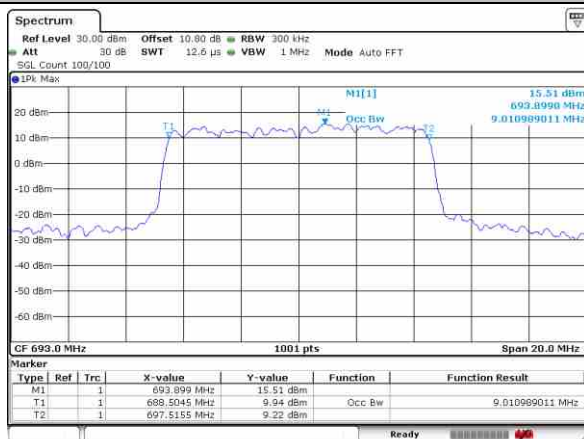
Middle Channel / 10MHz / QPSK



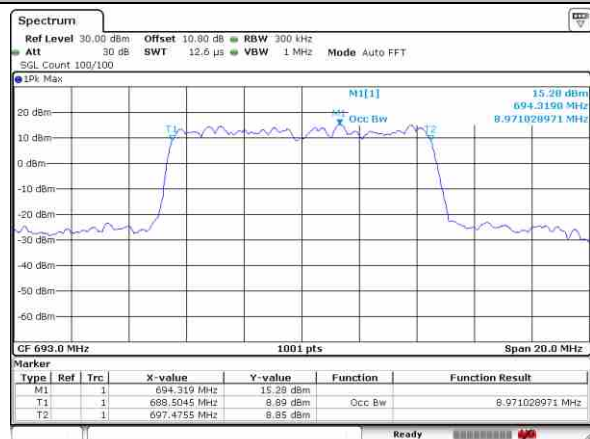
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



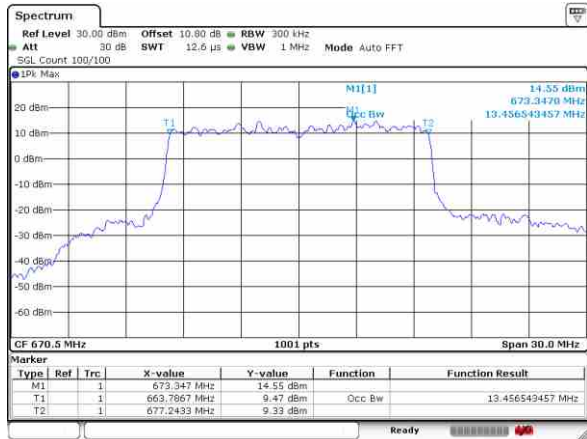
Highest Channel / 10MHz / 16QAM





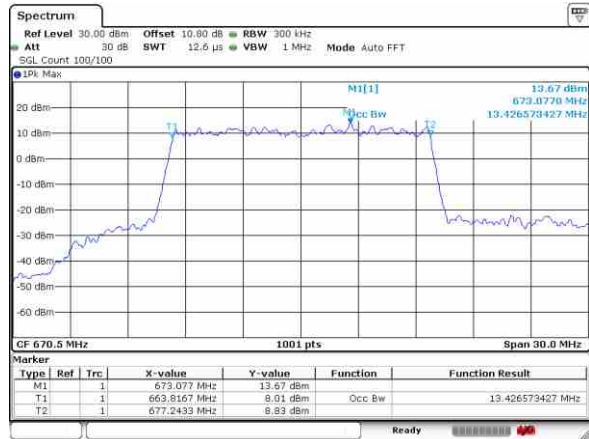
LTE Band 71

Lowest Channel / 15MHz / QPSK



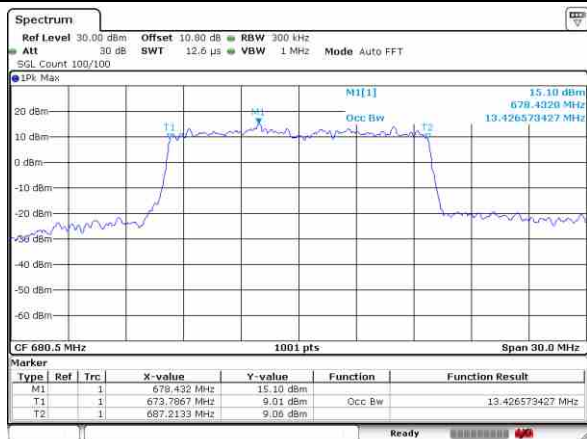
Date: 24 MAR 2018 01:53:16

Lowest Channel / 15MHz / 16QAM



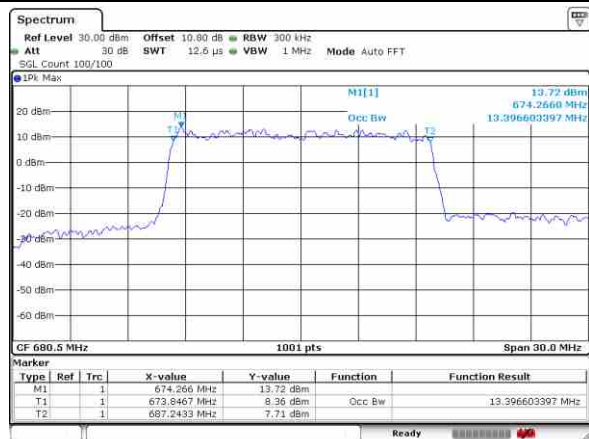
Date: 24 MAR 2018 01:53:25

Middle Channel / 15MHz / QPSK



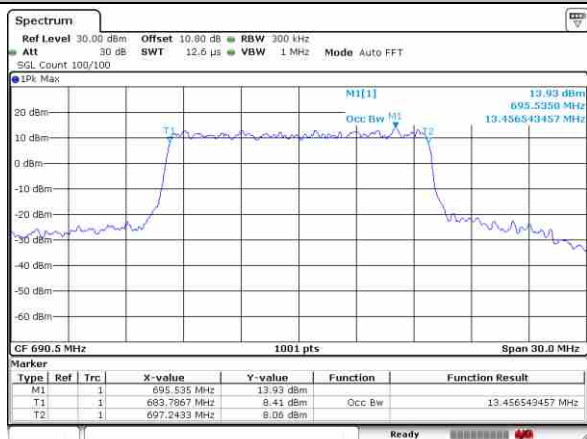
Date: 24 MAR 2018 01:54:02

Middle Channel / 15MHz / 16QAM



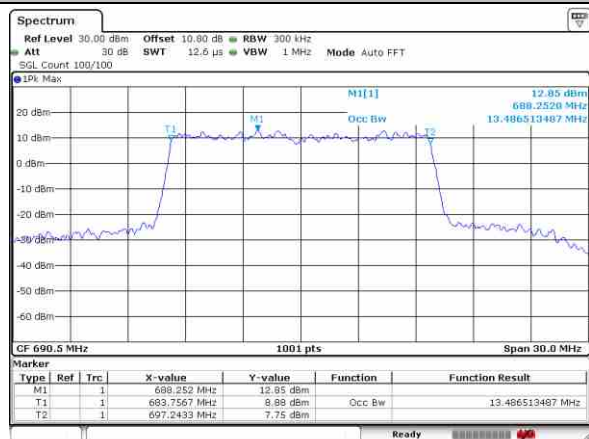
Date: 24 MAR 2018 01:54:10

Highest Channel / 15MHz / QPSK



Date: 24 MAR 2018 01:54:52

Highest Channel / 15MHz / 16QAM



Date: 24 MAR 2018 01:55:01



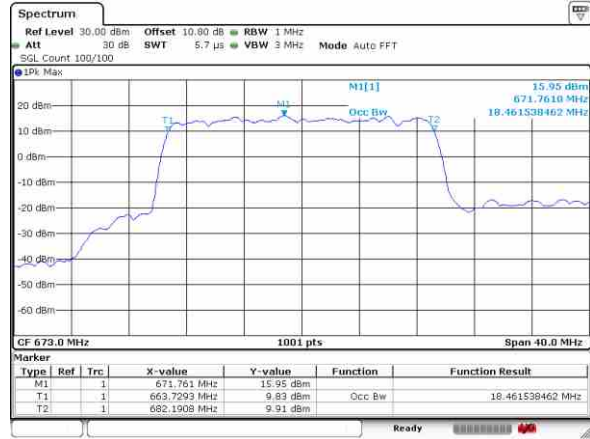
LTE Band 71

Lowest Channel / 20MHz / QPSK



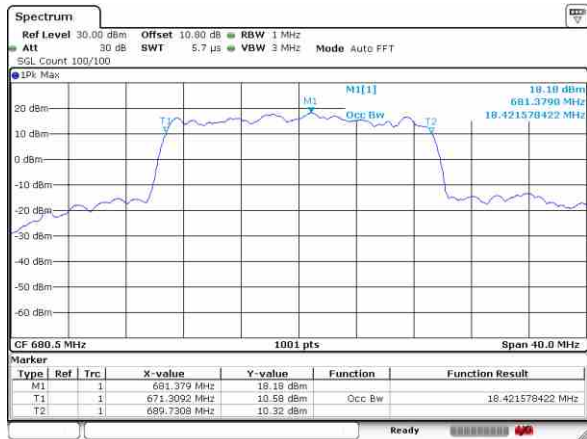
Date: 24 MAR 2018 01:56:33

Lowest Channel / 20MHz / 16QAM



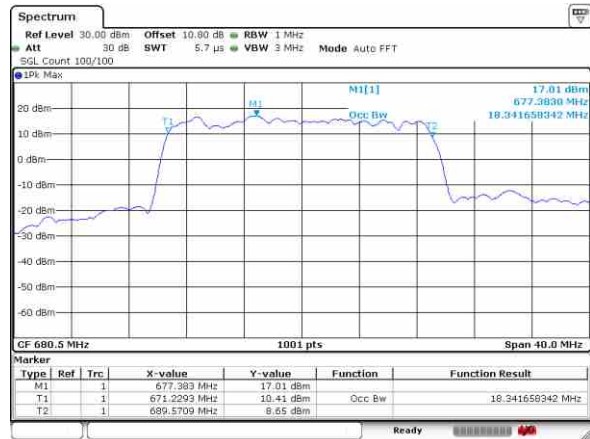
Date: 24 MAR 2018 01:56:41

Middle Channel / 20MHz / QPSK



Date: 24 MAR 2018 01:57:24

Middle Channel / 20MHz / 16QAM



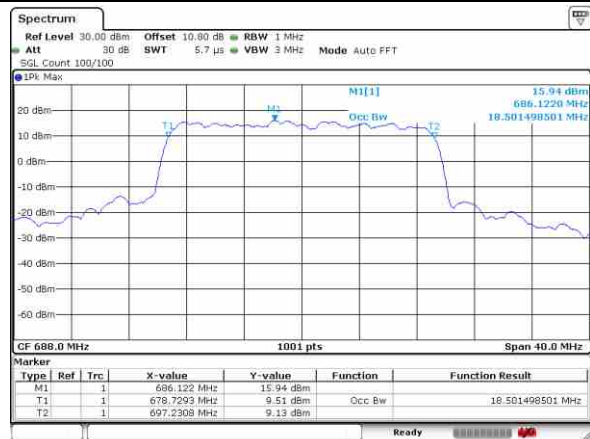
Date: 24 MAR 2018 01:57:36

Highest Channel / 20MHz / QPSK



Date: 24 MAR 2018 02:00:33

Highest Channel / 20MHz / 16QAM



Date: 24 MAR 2018 02:00:43