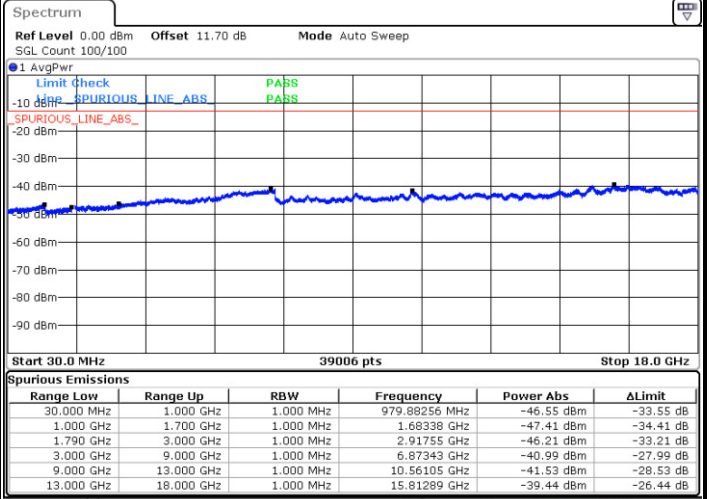
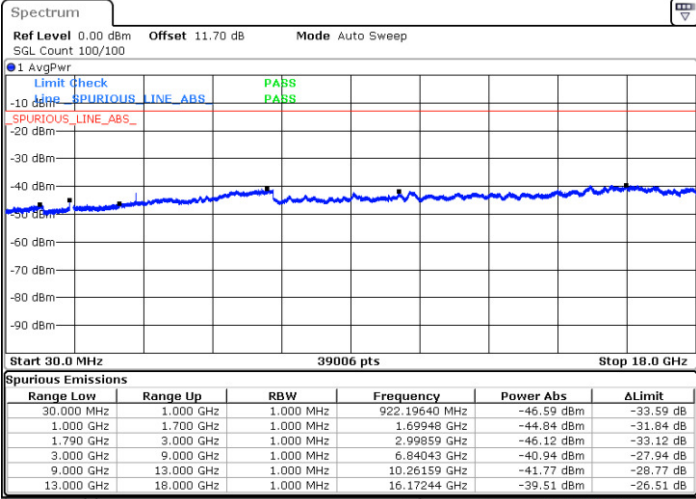




LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

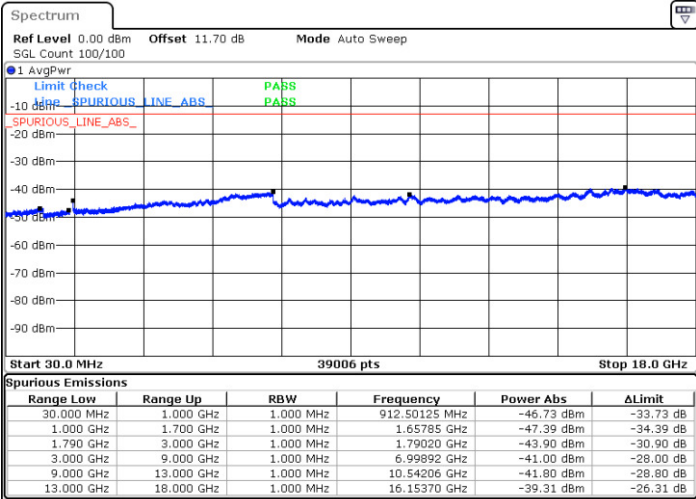
Middle Channel / 64QAM



Date: 17.FEB.2018 08:53:19

Date: 17.FEB.2018 08:54:32

Highest Channel / 64QAM



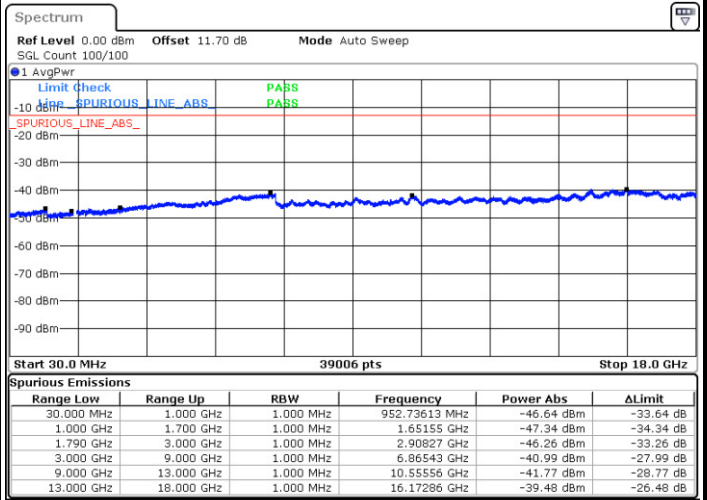
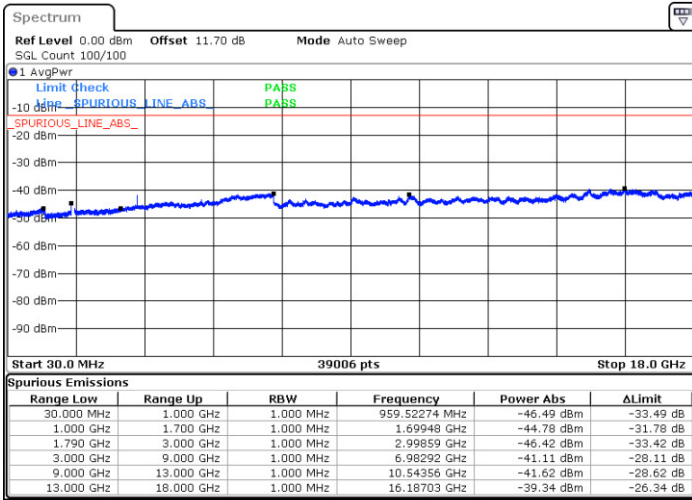
Date: 17.FEB.2018 08:57:59



LTE Band 66 / 3MHz

Lowest Channel / 64QAM

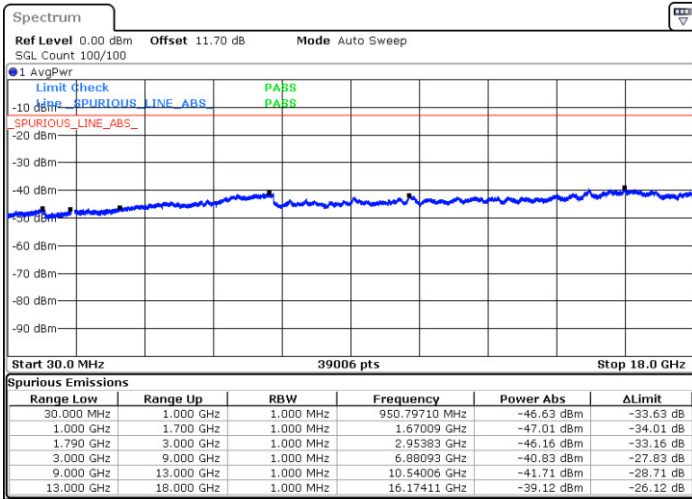
Middle Channel / 64QAM



Date: 17.FEB.2016 10:22:46

Date: 17.FEB.2016 10:23:59

Highest Channel / 64QAM



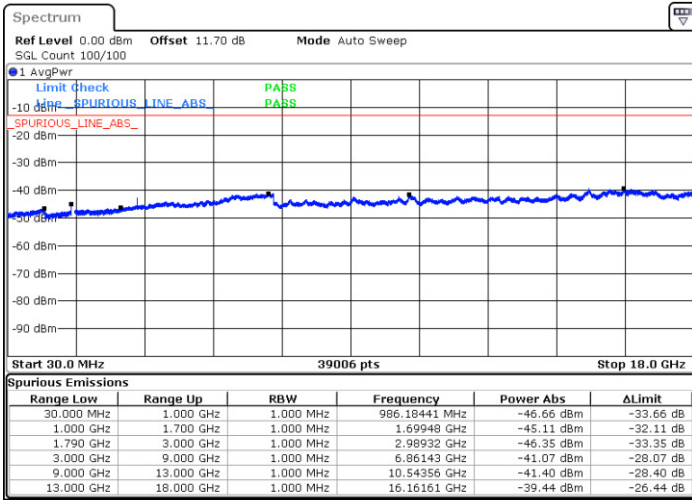
Date: 17.FEB.2016 10:27:26



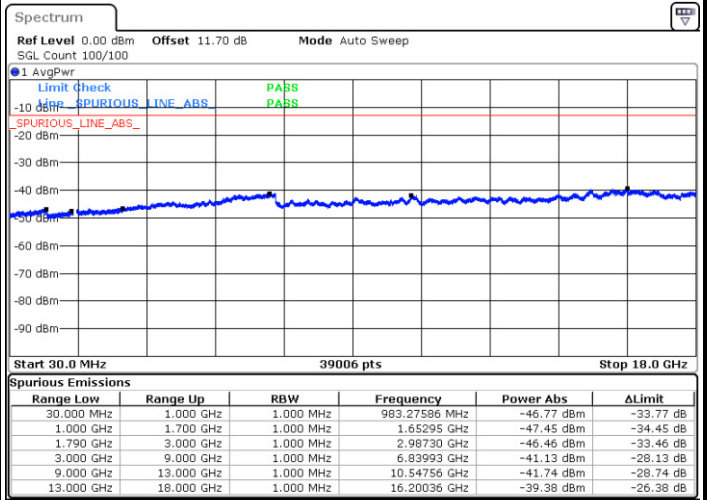
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

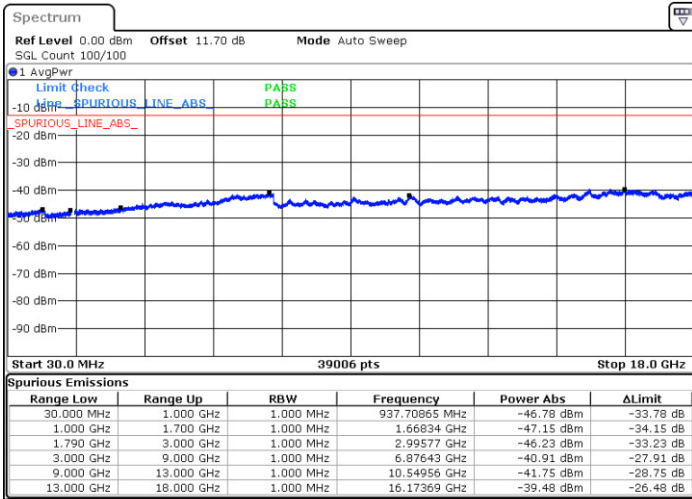


Date: 17.FEB.2016 10:30:53



Date: 17.FEB.2016 10:32:06

Highest Channel / 64QAM



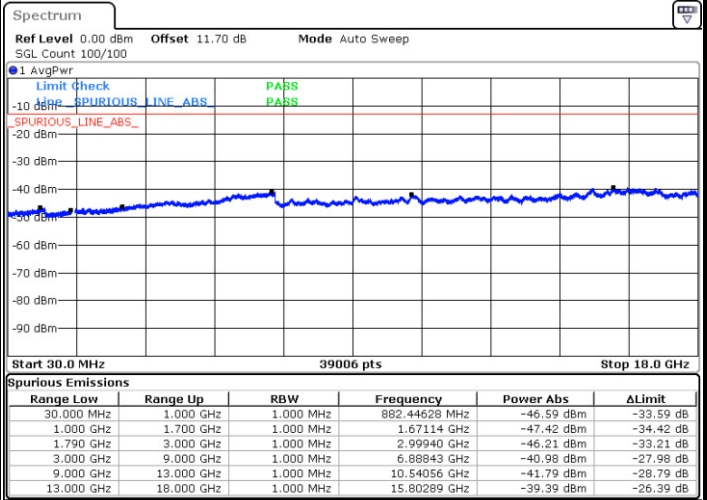
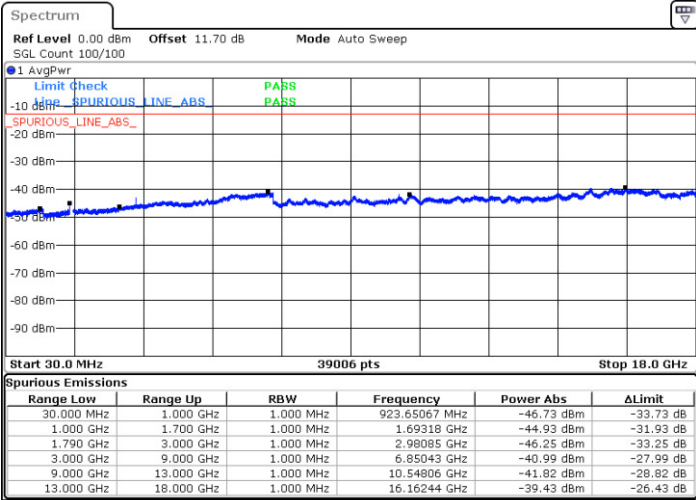
Date: 17.FEB.2016 10:35:34



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

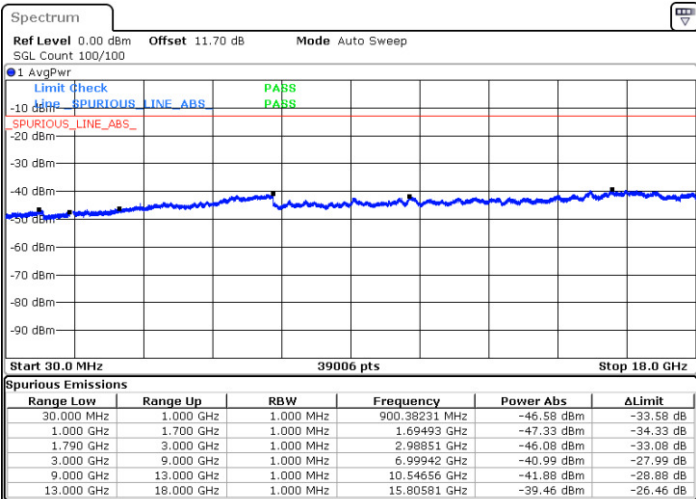
Middle Channel / 64QAM



Date: 17.FEB.2018 10:39:01

Date: 17.FEB.2018 10:40:14

Highest Channel / 64QAM



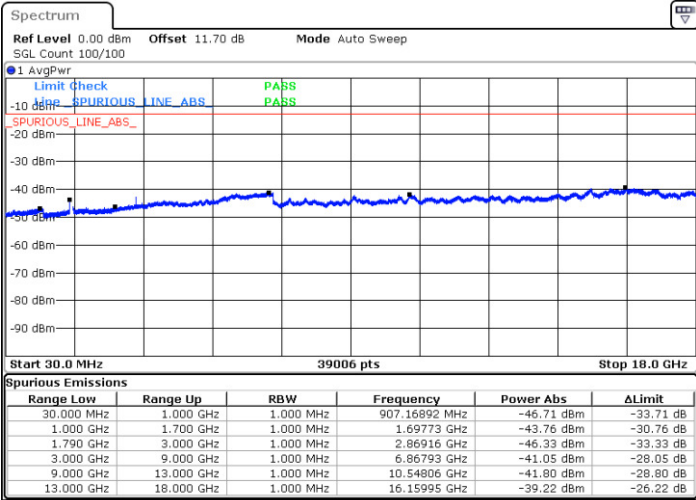
Date: 17.FEB.2018 10:43:41



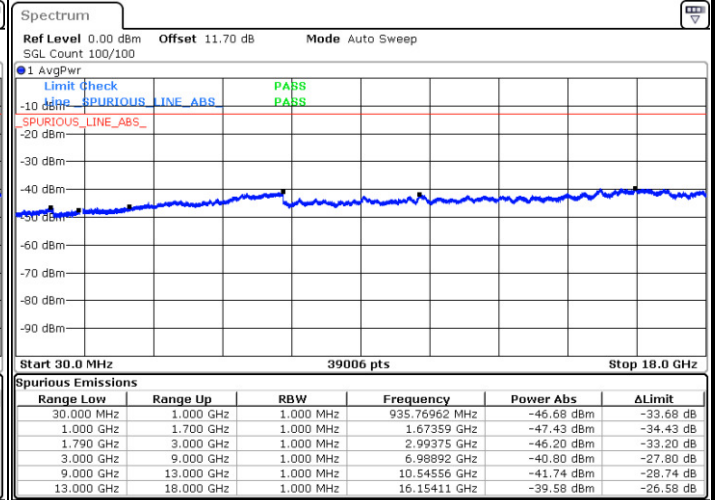
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

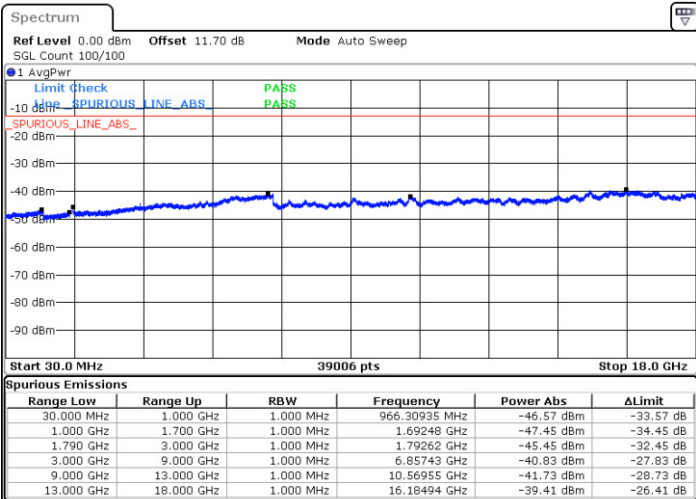


Date: 17.FEB.2018 10:47:09



Date: 17.FEB.2018 10:48:22

Highest Channel / 64QAM



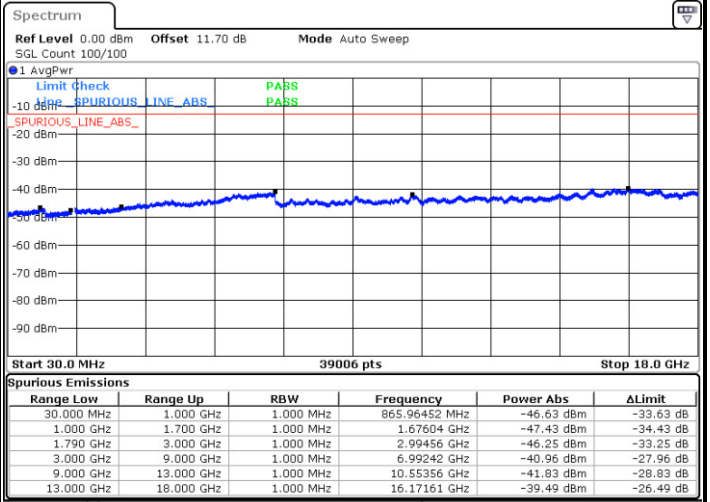
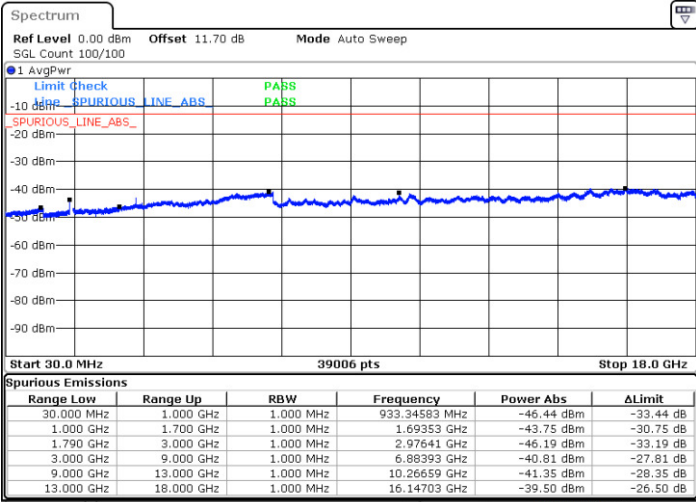
Date: 17.FEB.2018 11:19:50



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

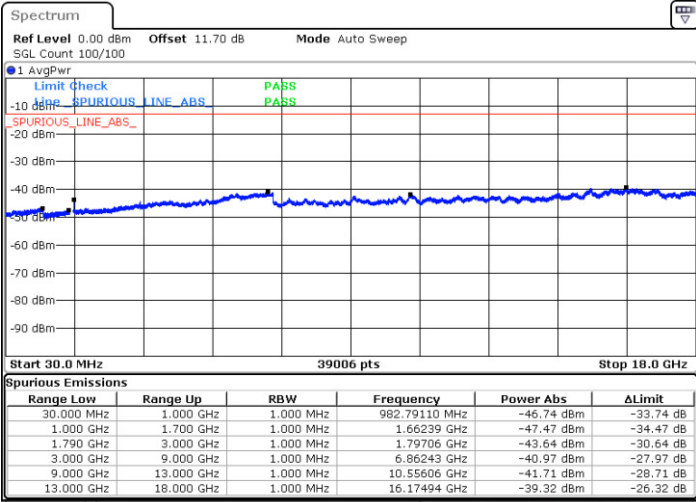
Middle Channel / 64QAM



Date: 17.FEB.2018 11:24:33

Date: 17.FEB.2018 11:25:46

Highest Channel / 64QAM



Date: 17.FEB.2018 11:29:13



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	0.0052	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

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 71

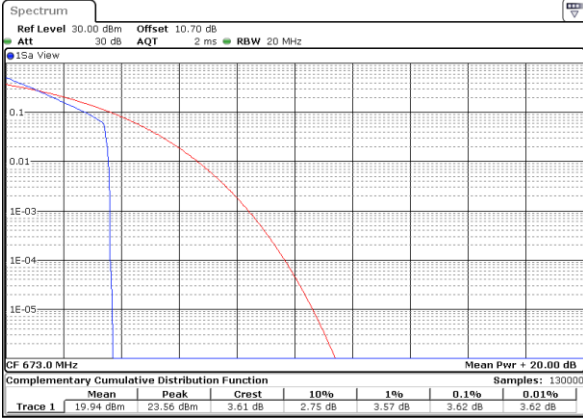
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.41	5.45	5.59	PASS
Middle CH	3.59	4.61	4.23	5.94	
Highest CH	3.59	4.61	5.57	5.59	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.30	5.62	-	-	PASS
Middle CH	4.49	5.94	-	-	
Highest CH	5.28	5.97	-	-	



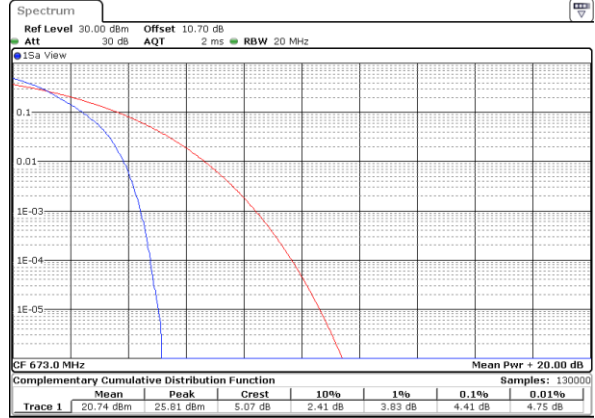
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



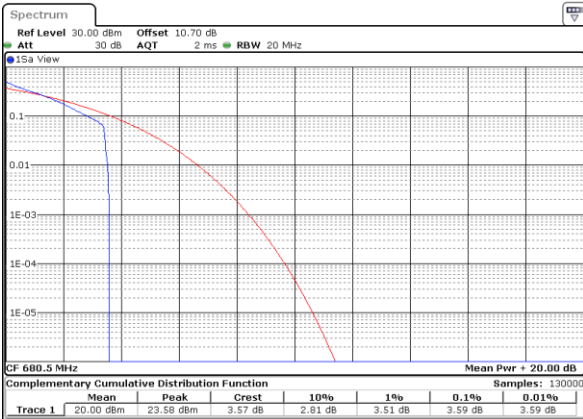
Date: 18 FEB 2018 14:41:15

Lowest Channel / Full RB



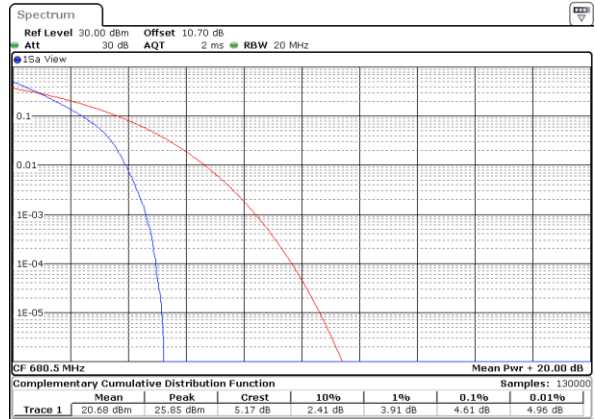
Date: 18 FEB 2018 14:35:43

Middle Channel / 1RB



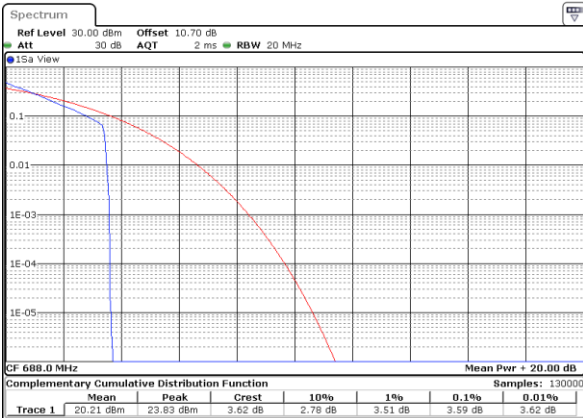
Date: 18 FEB 2018 14:28:40

Middle Channel / Full RB



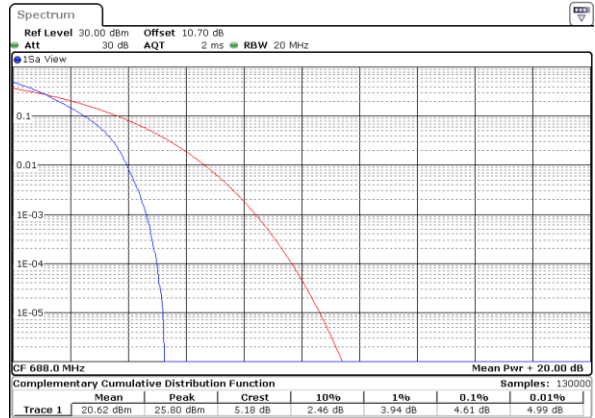
Date: 18 FEB 2018 14:34:51

Highest Channel / 1RB



Date: 18 FEB 2018 14:27:37

Highest Channel / Full RB

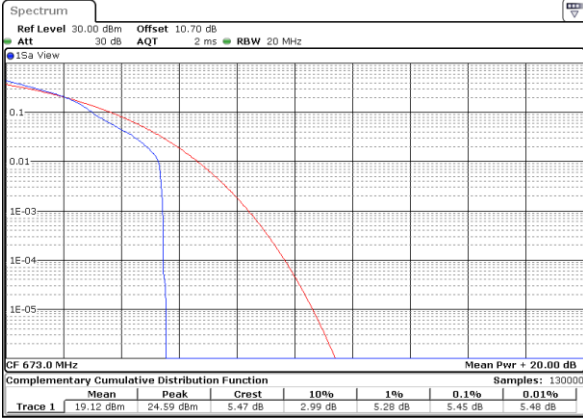


Date: 18 FEB 2018 14:25:26



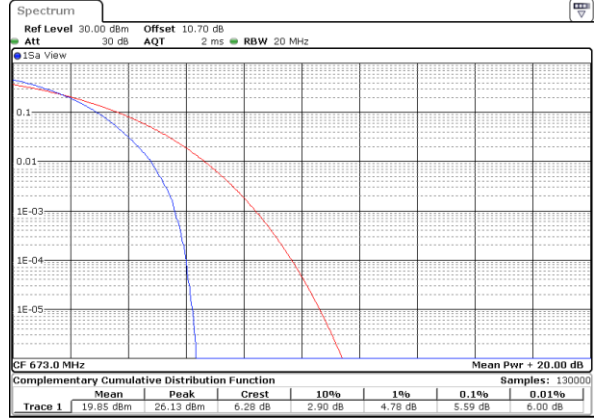
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 18 FEB 2018 14:39:37

Lowest Channel / Full RB



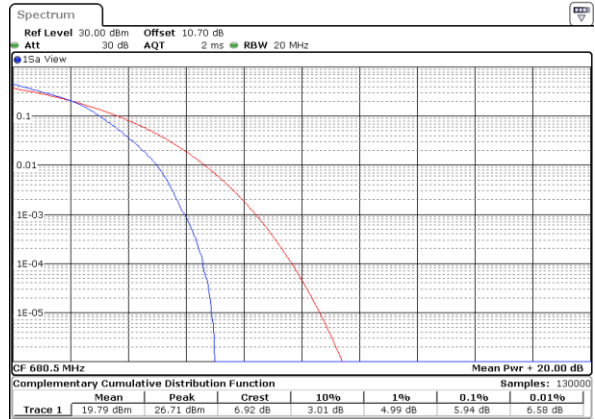
Date: 18 FEB 2018 14:38:30

Middle Channel / 1RB



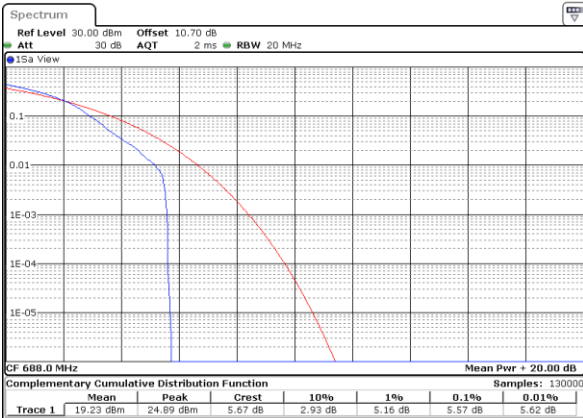
Date: 18 FEB 2018 14:29:28

Middle Channel / Full RB



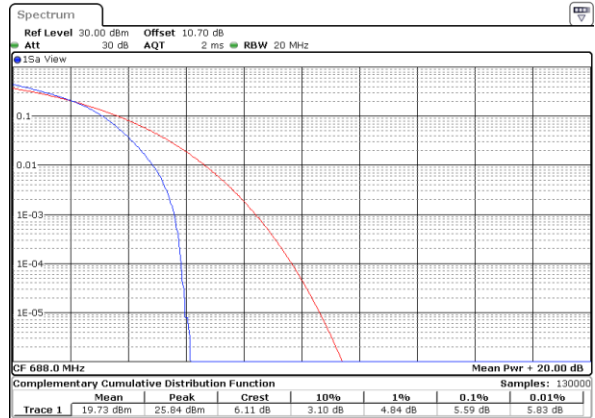
Date: 18 FEB 2018 14:33:46

Highest Channel / 1RB



Date: 18 FEB 2018 14:27:11

Highest Channel / Full RB

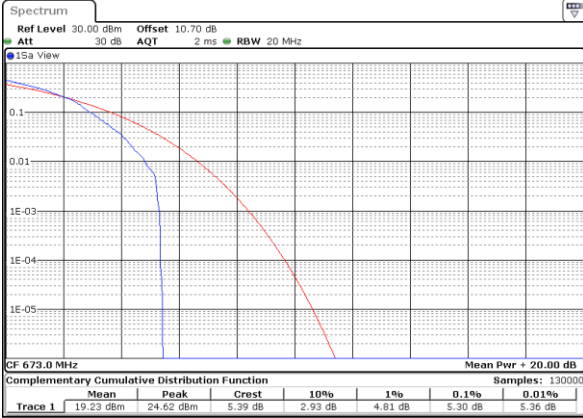


Date: 18 FEB 2018 14:25:48



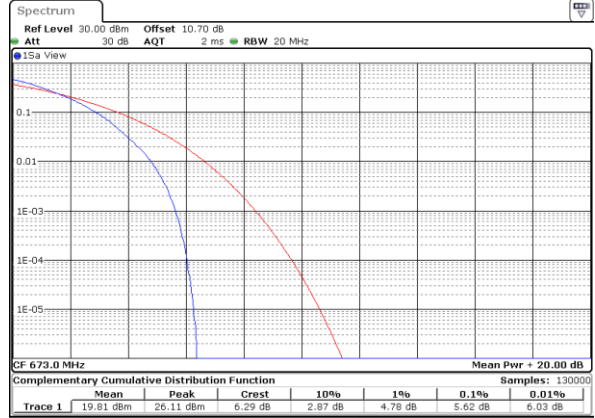
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



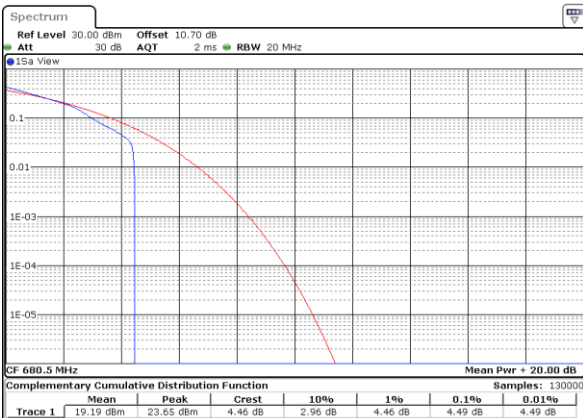
Date: 18 FEB 2018 14:39:21

Lowest Channel / Full RB



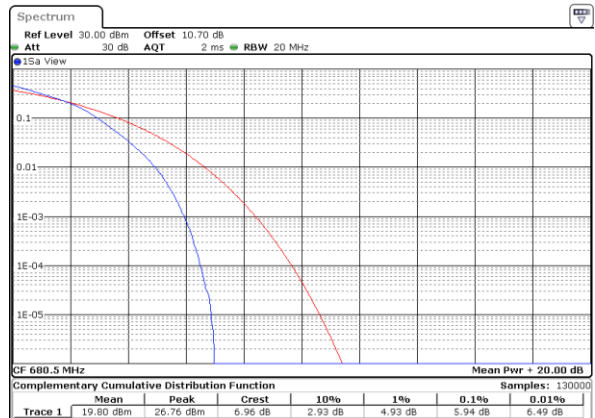
Date: 18 FEB 2018 14:38:56

Middle Channel / 1RB



Date: 18 FEB 2018 14:30:30

Middle Channel / Full RB



Date: 18 FEB 2018 14:31:43

Highest Channel / 1RB



Date: 18 FEB 2018 14:26:55

Highest Channel / Full RB



Date: 18 FEB 2018 14:26:12



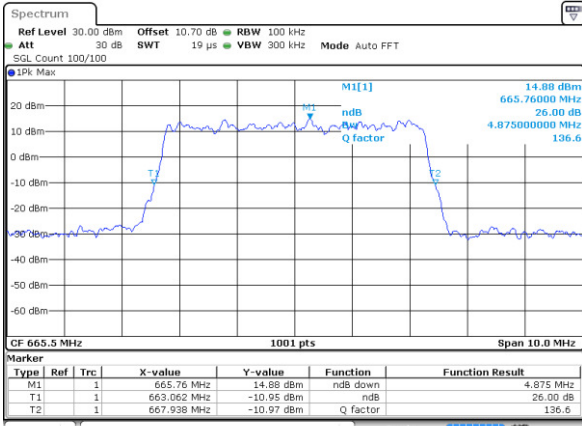
26dB Bandwidth

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	-	-	-	-	4.88	4.91	9.79	9.89	14.27	14.33	20.34	20.50
Middle CH	-	-	-	-	4.91	4.92	9.67	9.83	14.48	14.30	20.14	20.22
Highest CH	-	-	-	-	4.96	4.88	9.85	9.85	14.42	14.33	20.14	20.10
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.84	-	9.85	-	14.33	-	20.02	-
Middle CH	-	-	-	-	4.87	-	9.95	-	14.45	-	20.22	-
Highest CH	-	-	-	-	4.88	-	9.81	-	14.54	-	20.38	-



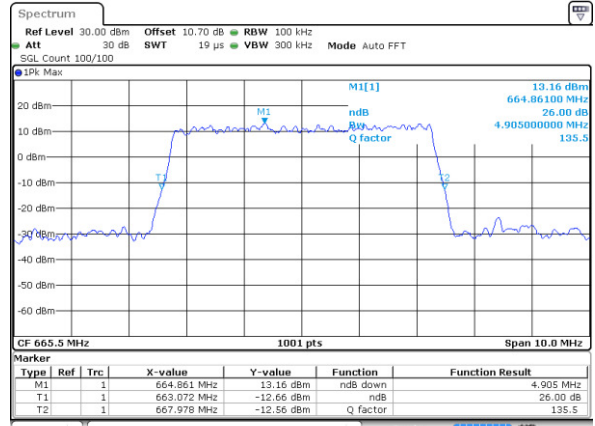
LTE Band 71

Lowest Channel / 5MHz / QPSK



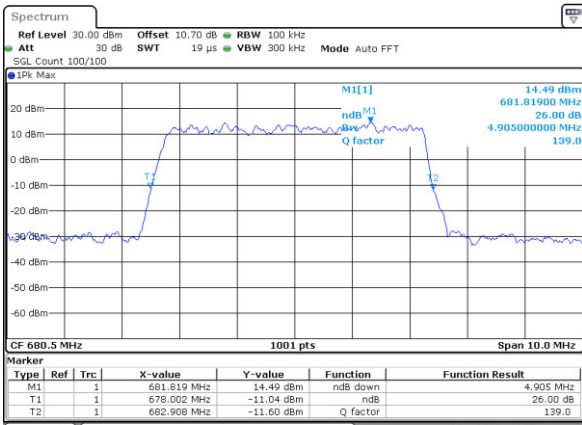
Date: 18 FEB 2018 02:53:37

Lowest Channel / 5MHz / 16QAM



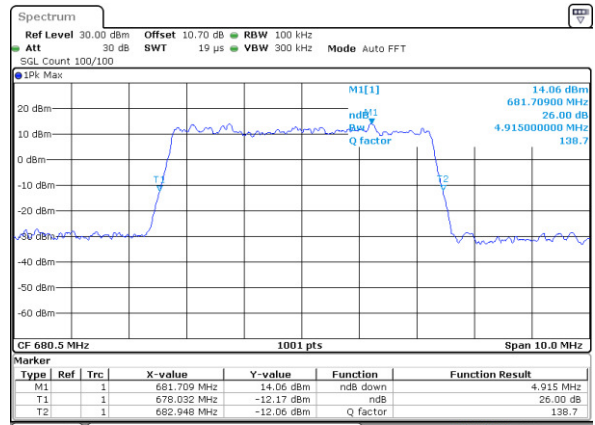
Date: 18 FEB 2018 02:54:31

Middle Channel / 5MHz / QPSK



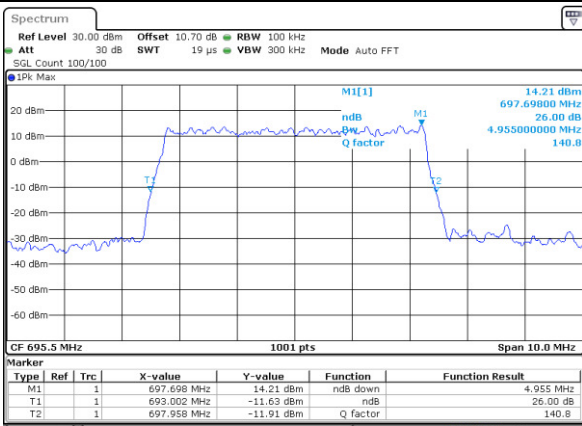
Date: 18 FEB 2018 03:19:58

Middle Channel / 5MHz / 16QAM



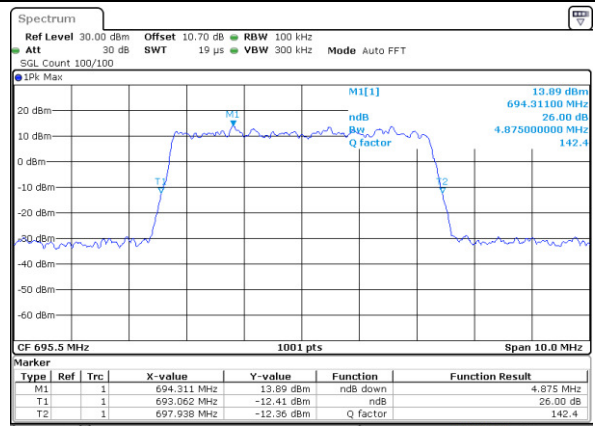
Date: 18 FEB 2018 03:19:03

Highest Channel / 5MHz / QPSK



Date: 18 FEB 2018 03:28:53

Highest Channel / 5MHz / 16QAM

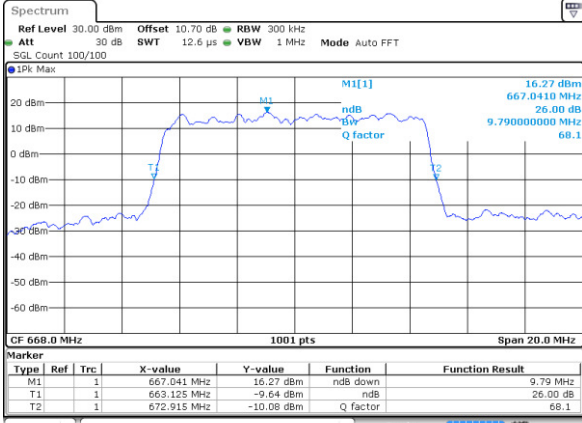


Date: 18 FEB 2018 03:30:49



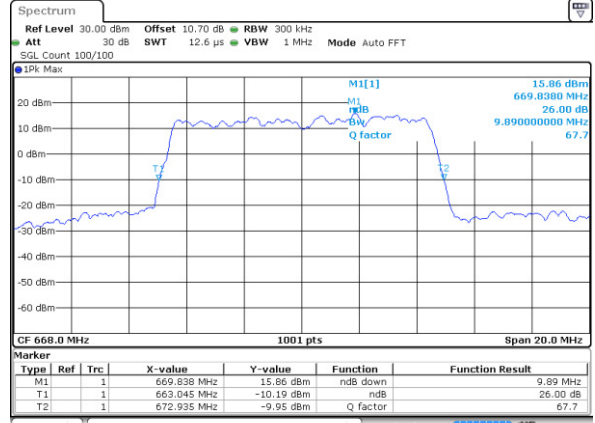
LTE Band 71

Lowest Channel / 10MHz / QPSK



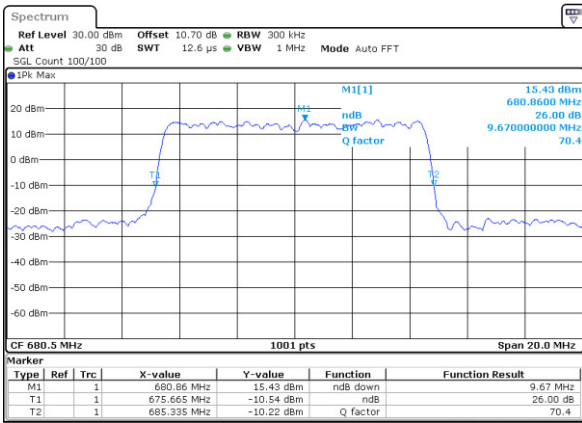
Date: 18 FEB 2018 11:05:07

Lowest Channel / 10MHz / 16QAM



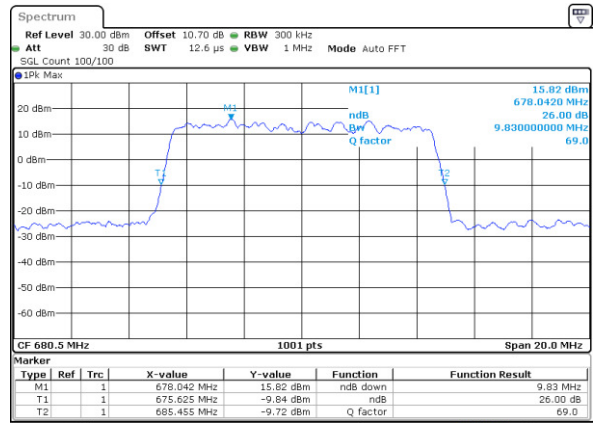
Date: 18 FEB 2018 11:02:50

Middle Channel / 10MHz / QPSK



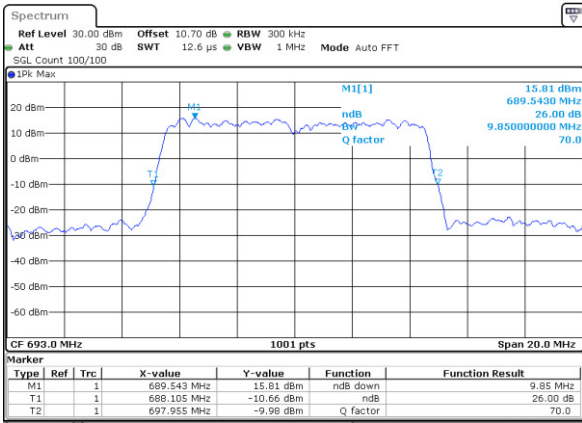
Date: 18 FEB 2018 11:08:50

Middle Channel / 10MHz / 16QAM



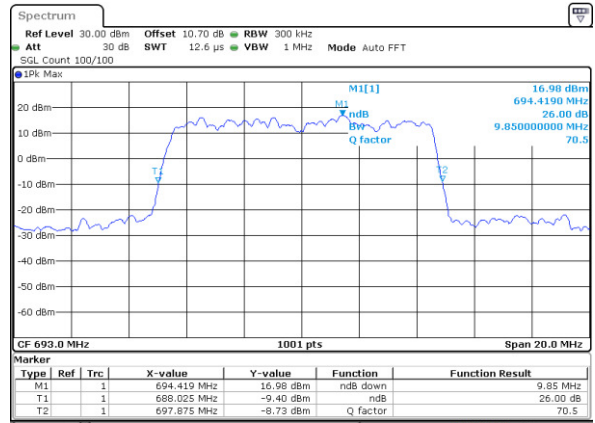
Date: 18 FEB 2018 11:09:57

Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:54

Highest Channel / 10MHz / 16QAM

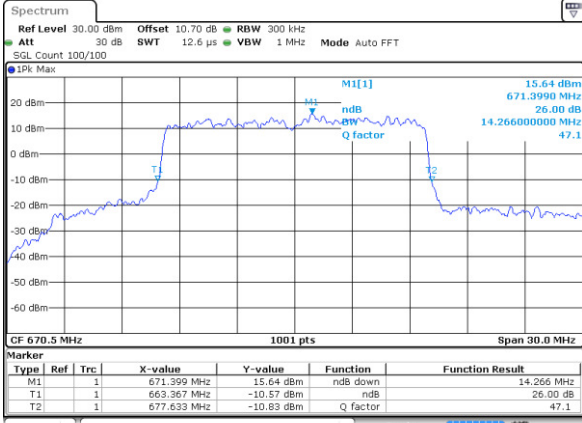


Date: 18 FEB 2018 11:39:04



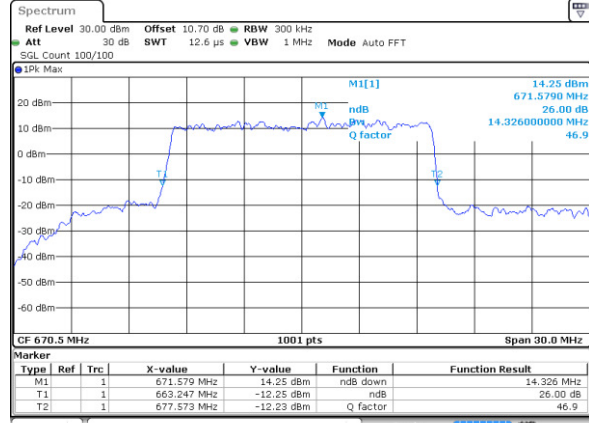
LTE Band 71

Lowest Channel / 15MHz / QPSK



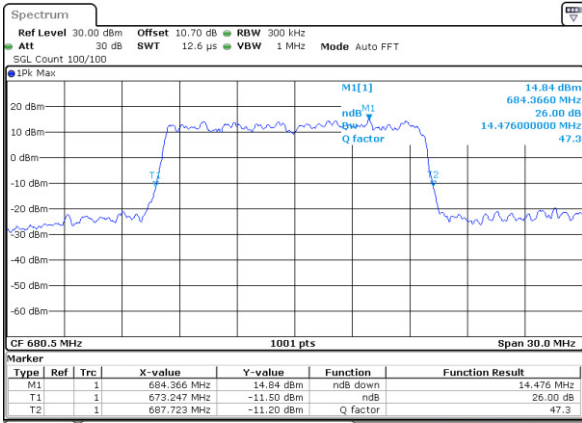
Date: 18 FEB 2018 12:00:38

Lowest Channel / 15MHz / 16QAM



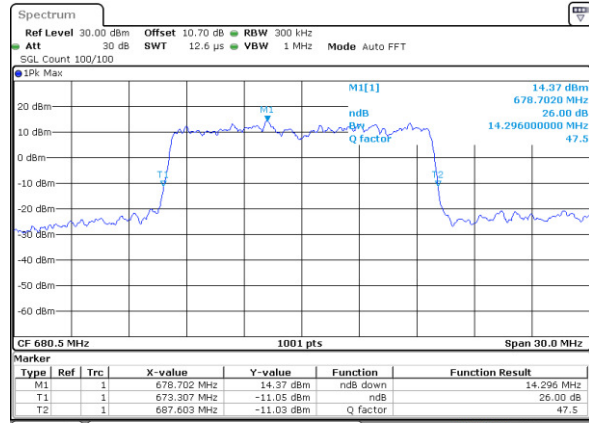
Date: 18 FEB 2018 11:58:37

Middle Channel / 15MHz / QPSK



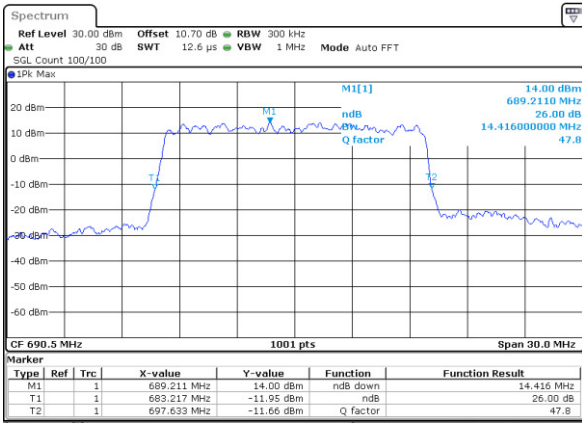
Date: 18 FEB 2018 12:18:43

Middle Channel / 15MHz / 16QAM



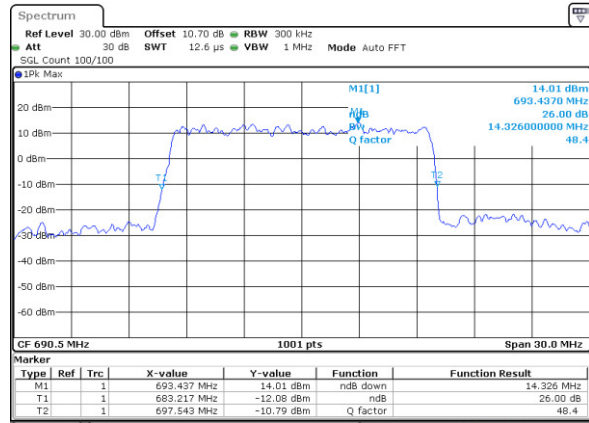
Date: 18 FEB 2018 12:17:05

Highest Channel / 15MHz / QPSK



Date: 18 FEB 2018 12:48:10

Highest Channel / 15MHz / 16QAM

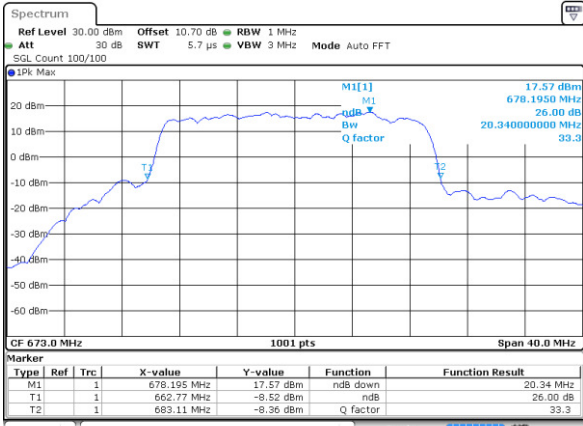


Date: 18 FEB 2018 12:45:31



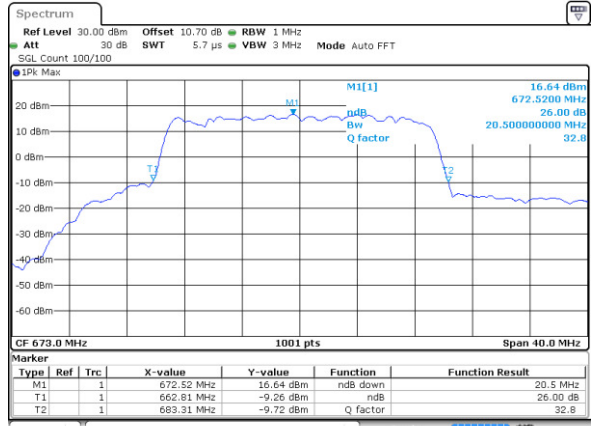
LTE Band 71

Lowest Channel / 20MHz / QPSK



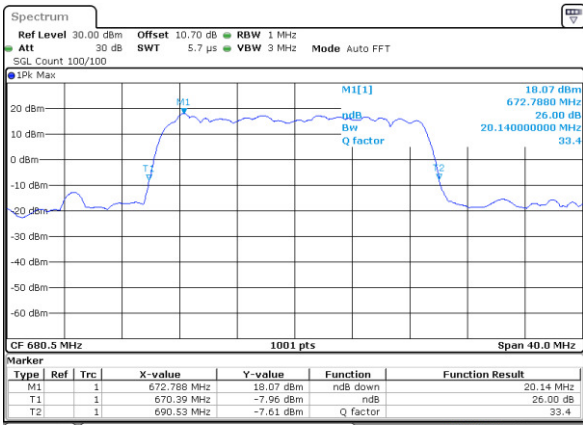
Date: 18 FEB 2018 12:51:54

Lowest Channel / 20MHz / 16QAM



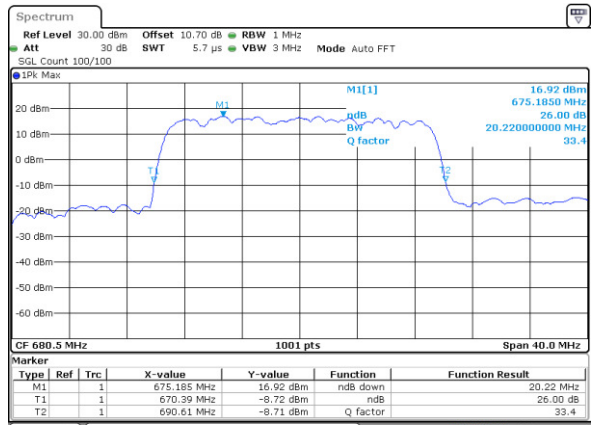
Date: 18 FEB 2018 13:23:02

Middle Channel / 20MHz / QPSK



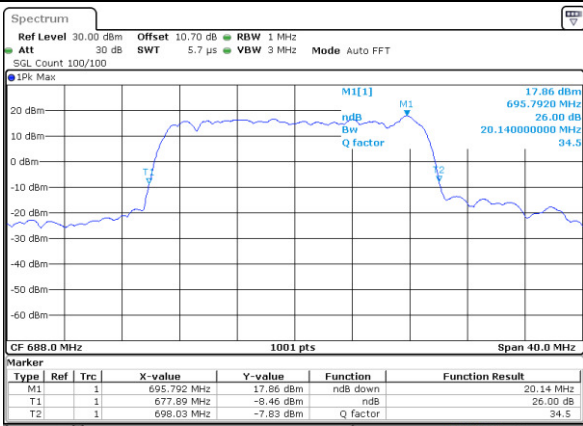
Date: 18 FEB 2018 13:34:36

Middle Channel / 20MHz / 16QAM



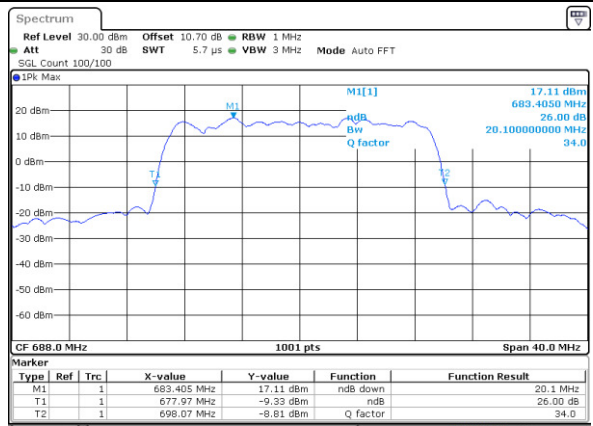
Date: 18 FEB 2018 13:35:32

Highest Channel / 20MHz / QPSK



Date: 18 FEB 2018 14:24:07

Highest Channel / 20MHz / 16QAM

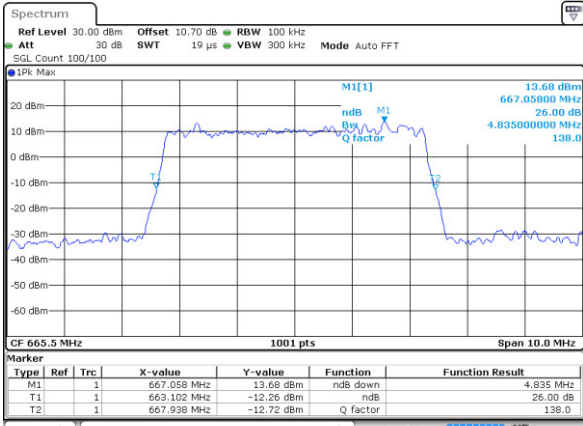


Date: 18 FEB 2018 13:59:06



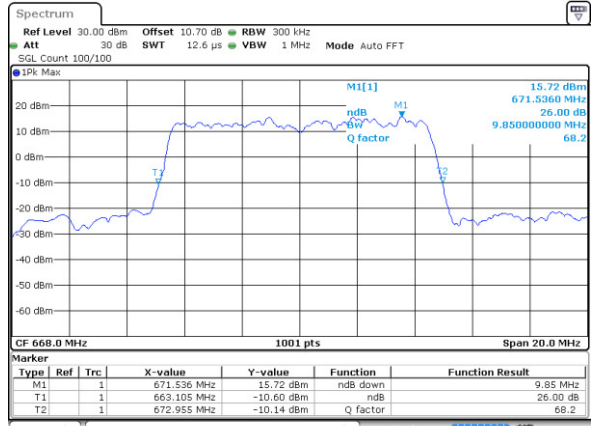
LTE Band 71

Lowest Channel / 5MHz / 64QAM



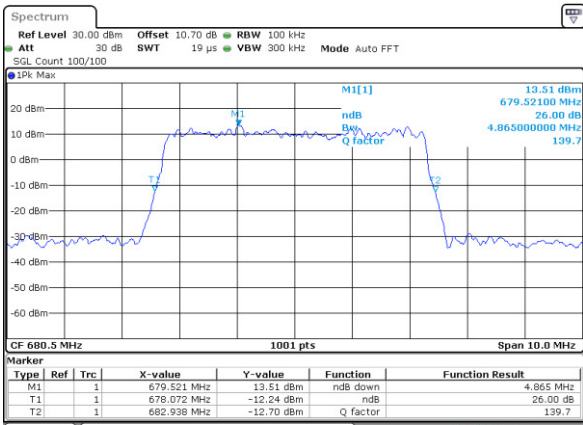
Date: 18 FEB 2018 03:00:50

Lowest Channel / 10MHz / 64QAM



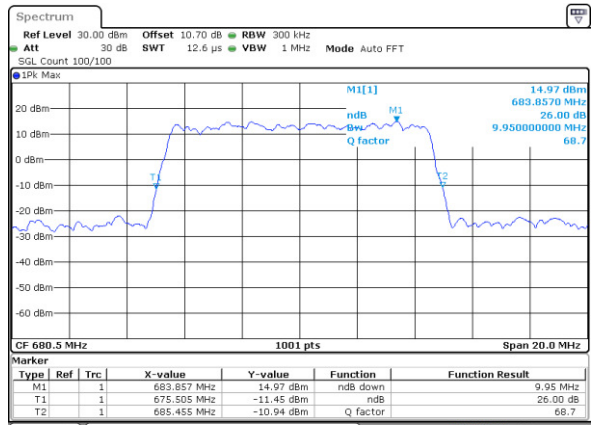
Date: 18 FEB 2018 10:53:09

Middle Channel / 5MHz / 64QAM



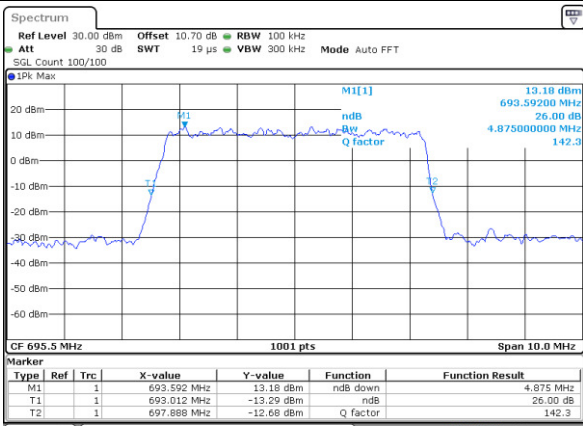
Date: 18 FEB 2018 03:16:53

Middle Channel / 10MHz / 64QAM



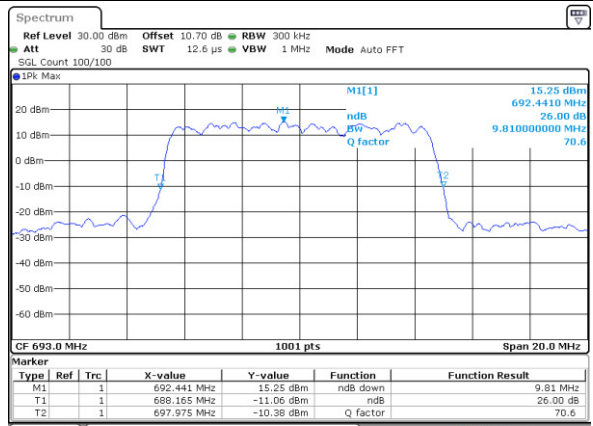
Date: 18 FEB 2018 11:11:26

Highest Channel / 5MHz / 64QAM



Date: 18 FEB 2018 03:31:52

Highest Channel / 10MHz / 64QAM

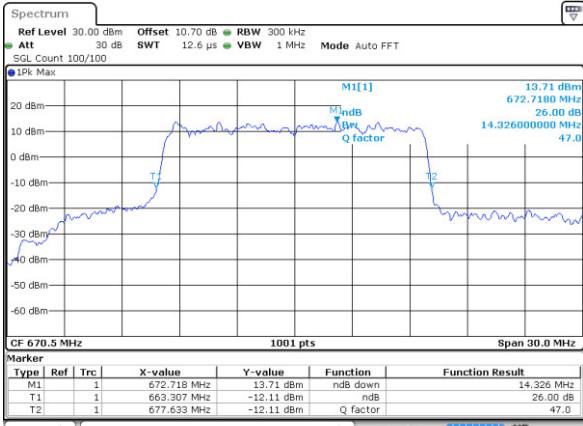


Date: 18 FEB 2018 11:41:33



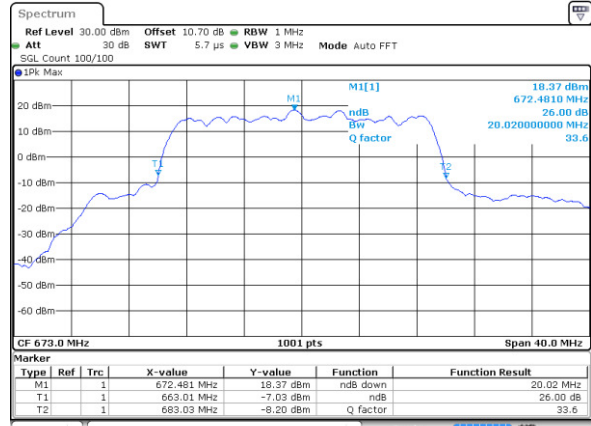
LTE Band 71

Lowest Channel / 15MHz / 64QAM



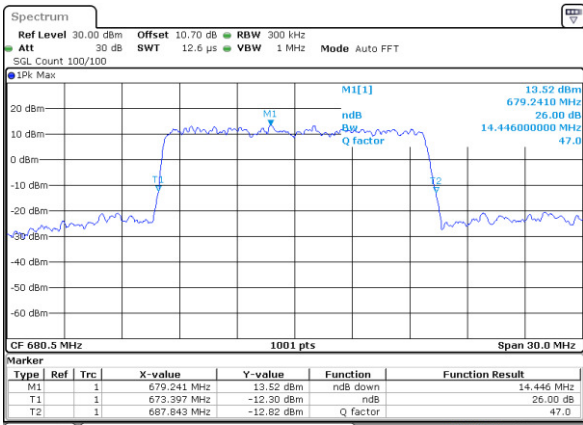
Date: 18 FEB 2018 11:56:46

Lowest Channel / 20MHz / 64QAM



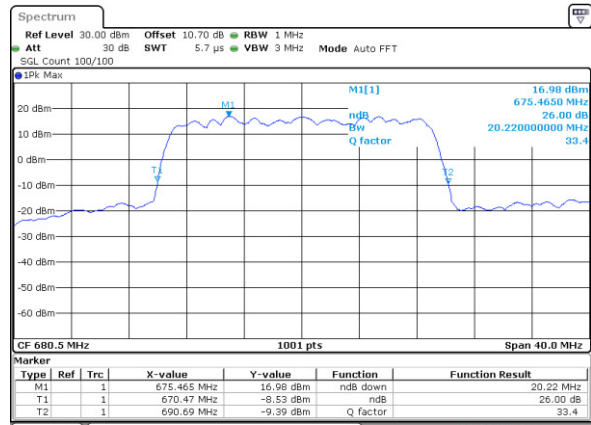
Date: 18 FEB 2018 13:24:39

Middle Channel / 15MHz / 64QAM



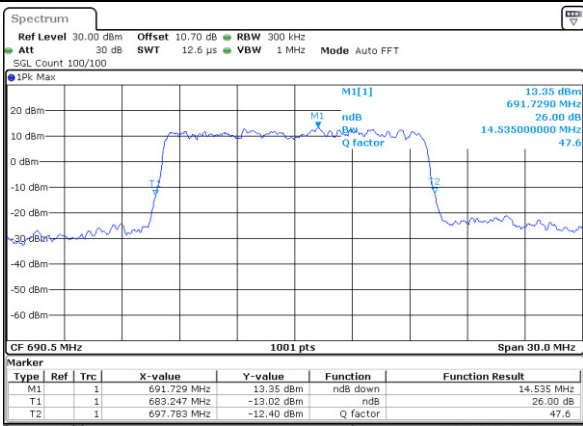
Date: 18 FEB 2018 12:14:50

Middle Channel / 20MHz / 64QAM



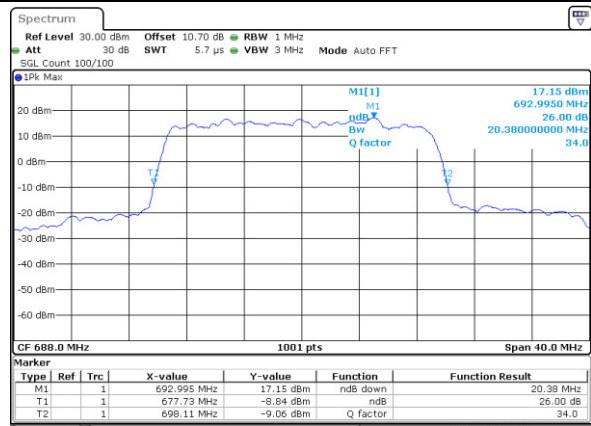
Date: 18 FEB 2018 13:36:28

Highest Channel / 15MHz / 64QAM



Date: 18 FEB 2018 12:46:49

Highest Channel / 20MHz / 64QAM



Date: 18 FEB 2018 14:20:25



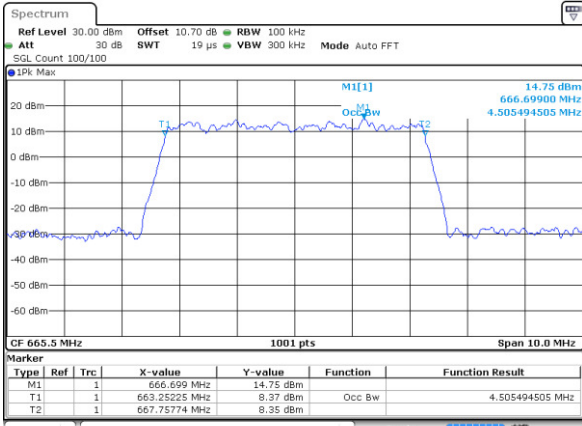
Occupied Bandwidth

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	-	-	-	-	4.51	4.5	9.07	8.99	13.43	13.46	18.42	18.42
Middle CH	-	-	-	-	4.5	4.5	9.05	9.11	13.46	13.43	18.54	18.22
Highest CH	-	-	-	-	4.51	4.5	9.03	9.05	13.46	13.49	18.26	18.38
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.05	-	13.43	-	18.46	-
Middle CH	-	-	-	-	4.48	-	8.99	-	13.43	-	18.38	-
Highest CH	-	-	-	-	4.49	-	9.07	-	13.49	-	18.46	-



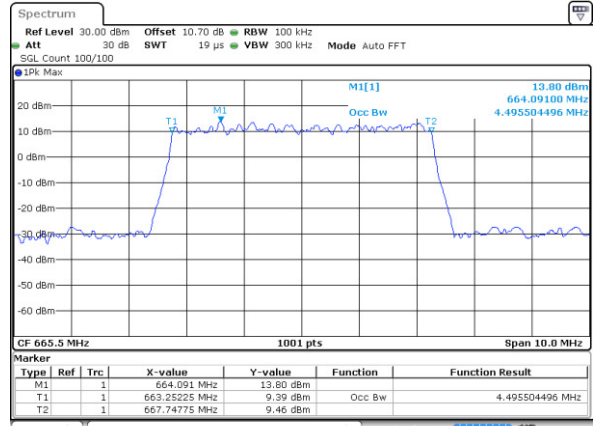
LTE Band 71

Lowest Channel / 5MHz / QPSK



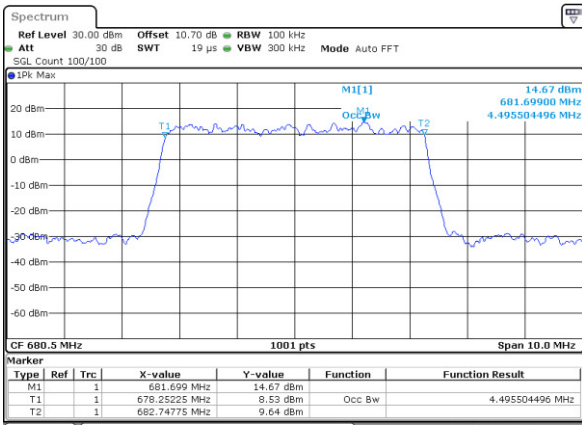
Date: 18 FEB 2018 02:53:16

Lowest Channel / 5MHz / 16QAM



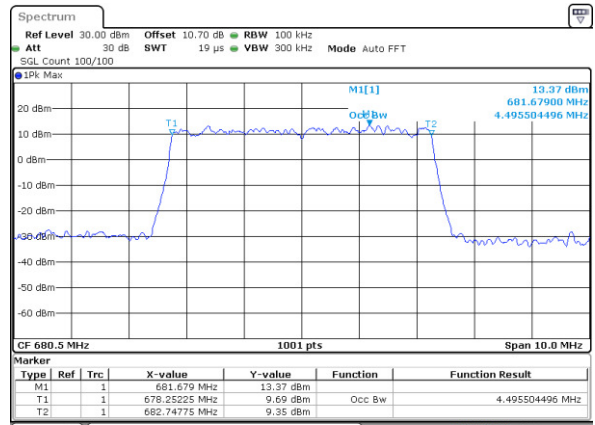
Date: 18 FEB 2018 02:54:23

Middle Channel / 5MHz / QPSK



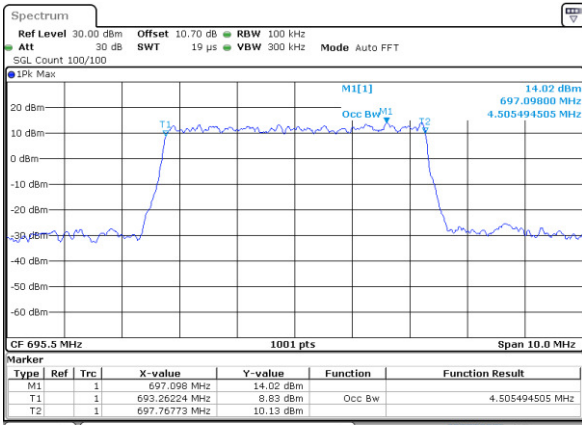
Date: 18 FEB 2018 03:19:48

Middle Channel / 5MHz / 16QAM



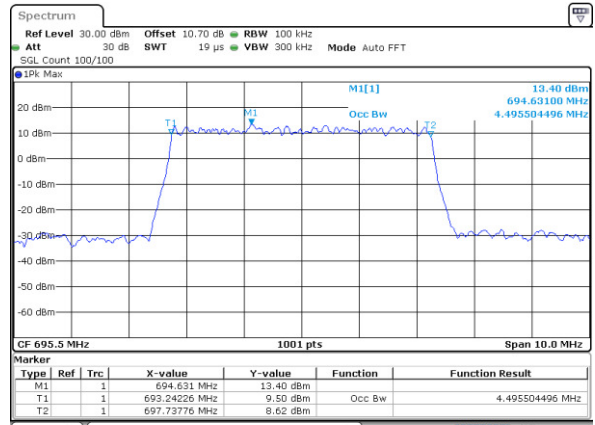
Date: 18 FEB 2018 03:17:26

Highest Channel / 5MHz / QPSK



Date: 18 FEB 2018 03:28:19

Highest Channel / 5MHz / 16QAM

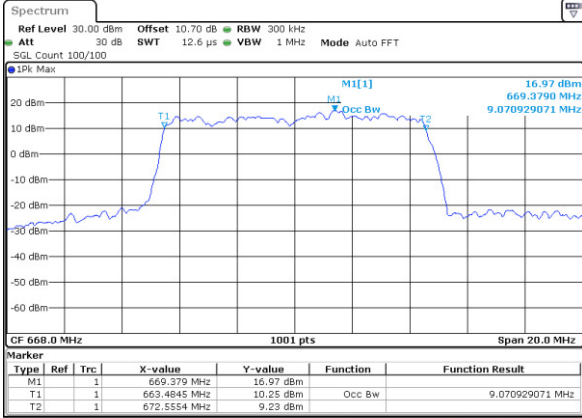


Date: 18 FEB 2018 03:30:35



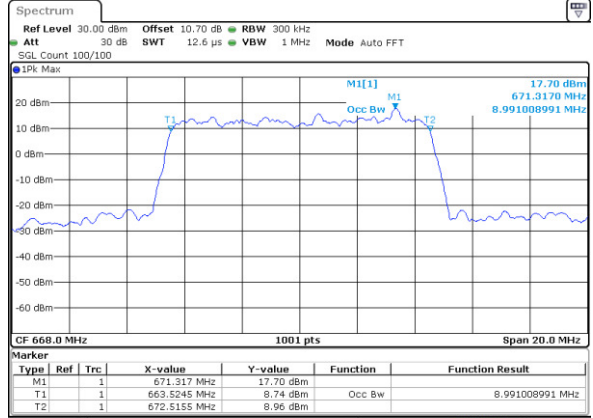
LTE Band 71

Lowest Channel / 10MHz / QPSK



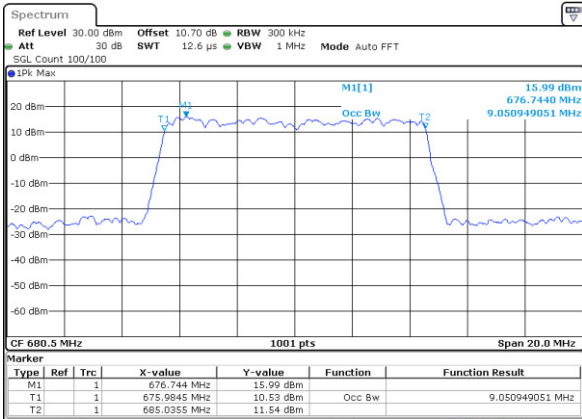
Date: 18 FEB 2018 11:03:41

Lowest Channel / 10MHz / 16QAM



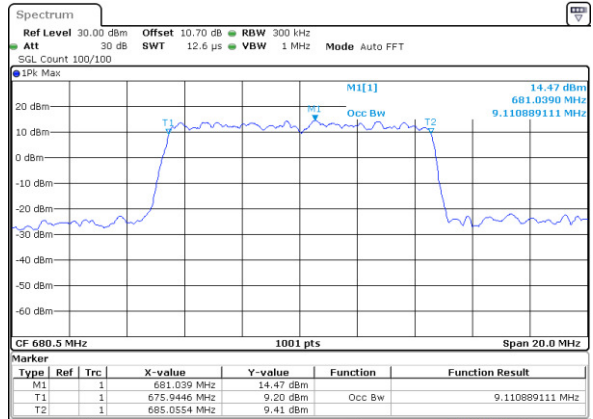
Date: 18 FEB 2018 11:02:32

Middle Channel / 10MHz / QPSK



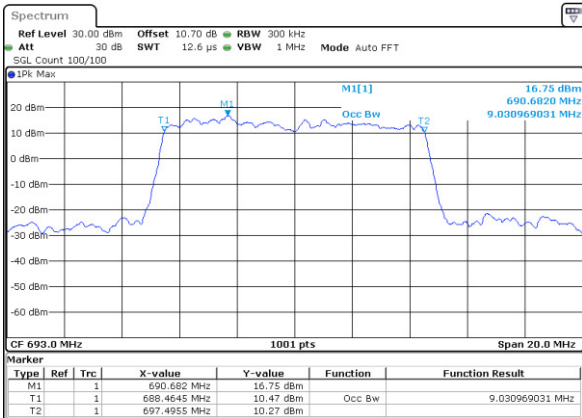
Date: 18 FEB 2018 11:08:29

Middle Channel / 10MHz / 16QAM



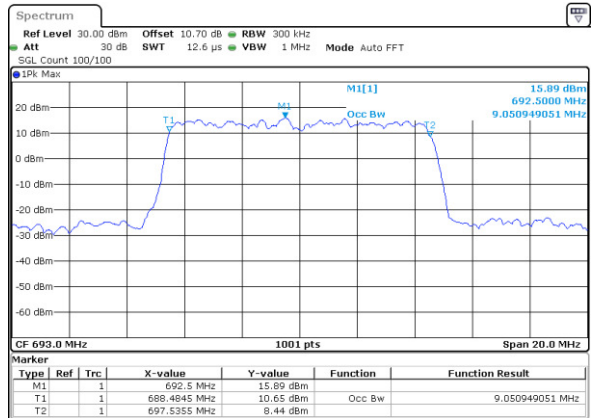
Date: 18 FEB 2018 11:09:38

Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:34

Highest Channel / 10MHz / 16QAM

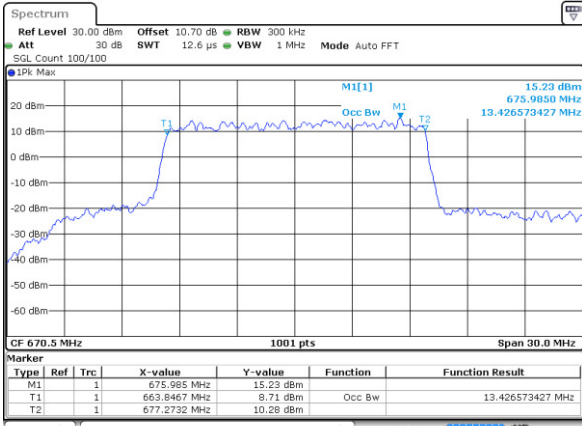


Date: 18 FEB 2018 11:39:11



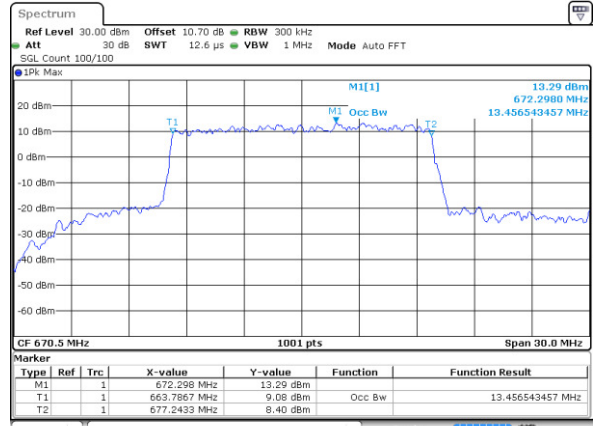
LTE Band 71

Lowest Channel / 15MHz / QPSK



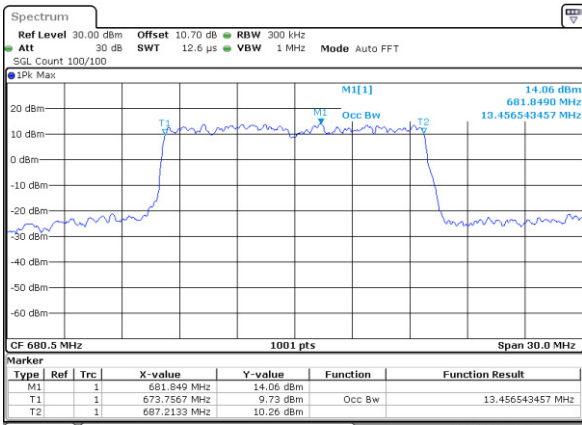
Date: 18 FEB 2018 12:00:19

Lowest Channel / 15MHz / 16QAM



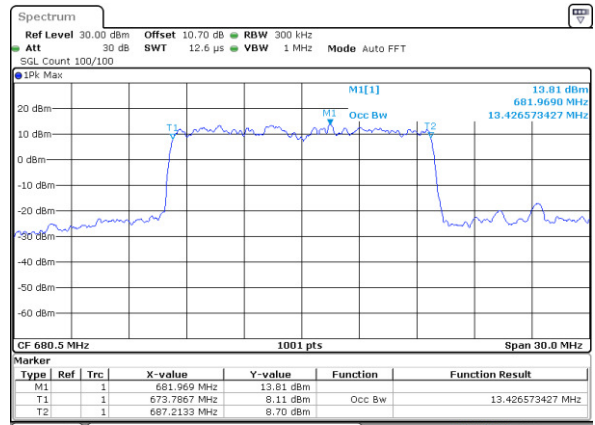
Date: 18 FEB 2018 11:58:11

Middle Channel / 15MHz / QPSK



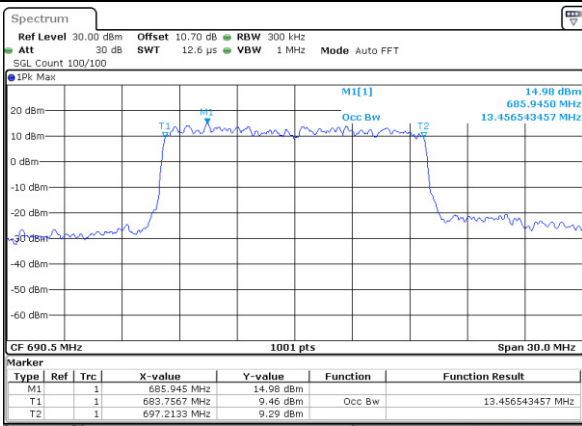
Date: 18 FEB 2018 12:18:31

Middle Channel / 15MHz / 16QAM



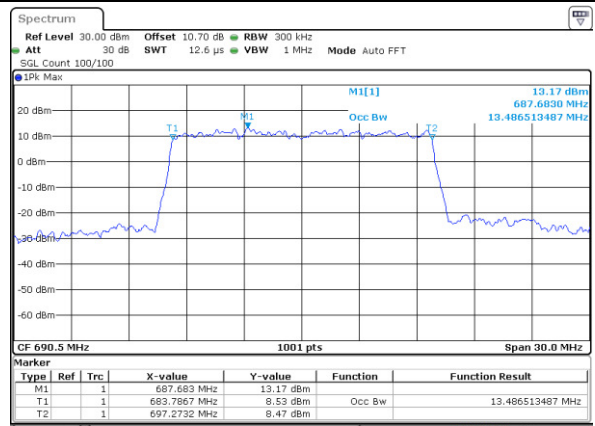
Date: 18 FEB 2018 12:16:47

Highest Channel / 15MHz / QPSK



Date: 18 FEB 2018 12:47:29

Highest Channel / 15MHz / 16QAM

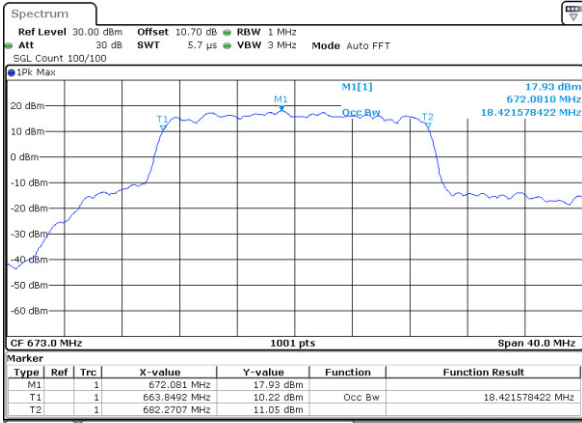


Date: 18 FEB 2018 12:45:14



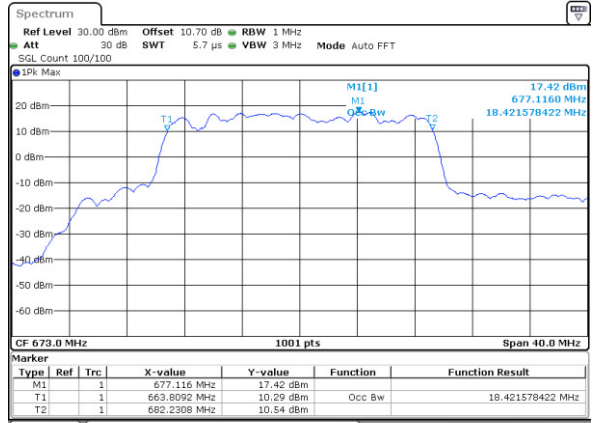
LTE Band 71

Lowest Channel / 20MHz / QPSK



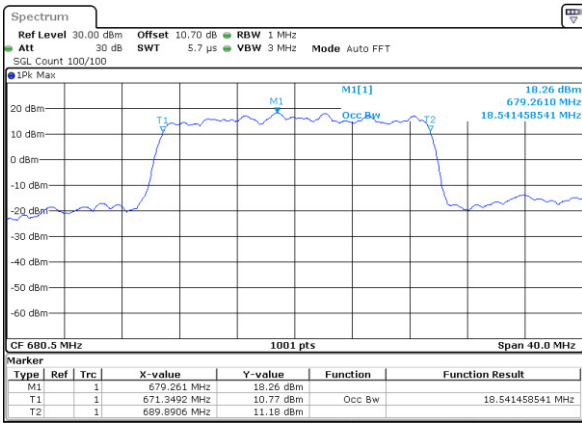
Date: 18 FEB 2018 12:51:43

Lowest Channel / 20MHz / 16QAM



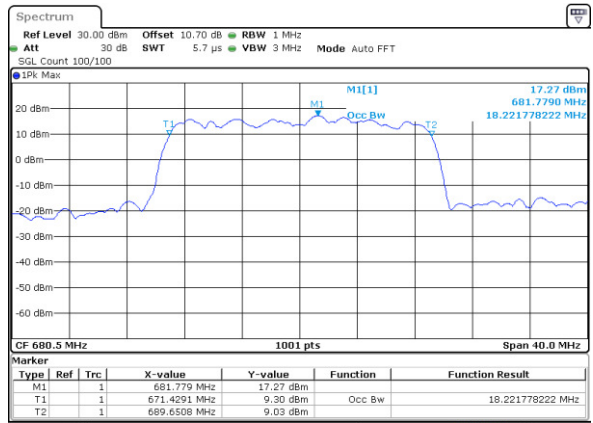
Date: 18 FEB 2018 13:22:34

Middle Channel / 20MHz / QPSK



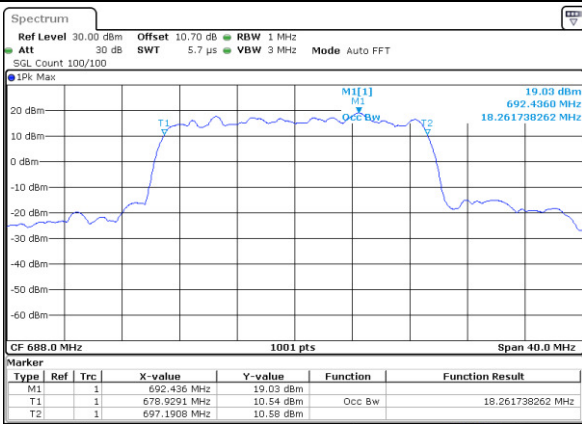
Date: 18 FEB 2018 13:33:55

Middle Channel / 20MHz / 16QAM



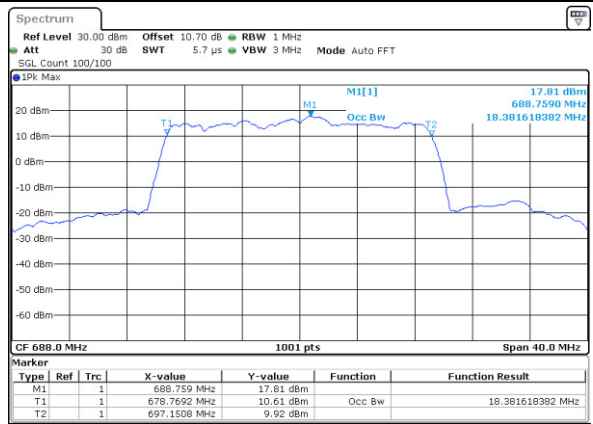
Date: 18 FEB 2018 13:35:02

Highest Channel / 20MHz / QPSK



Date: 18 FEB 2018 14:23:02

Highest Channel / 20MHz / 16QAM

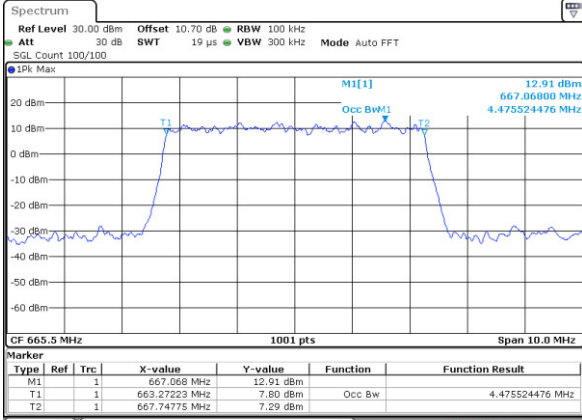


Date: 18 FEB 2018 13:59:27



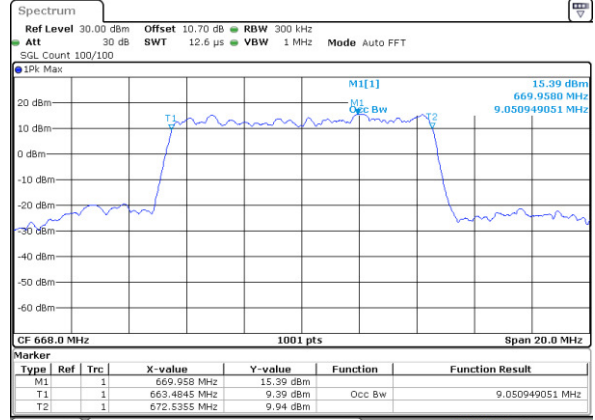
LTE Band 71

Lowest Channel / 5MHz / 64QAM



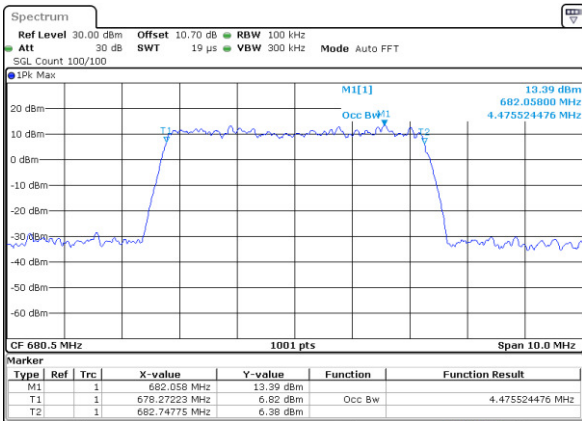
Date: 18 FEB 2018 03:00:39

Lowest Channel / 10MHz / 64QAM



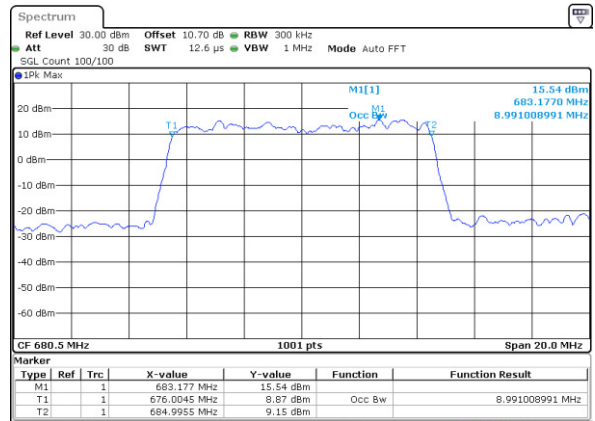
Date: 18 FEB 2018 10:51:49

Middle Channel / 5MHz / 64QAM



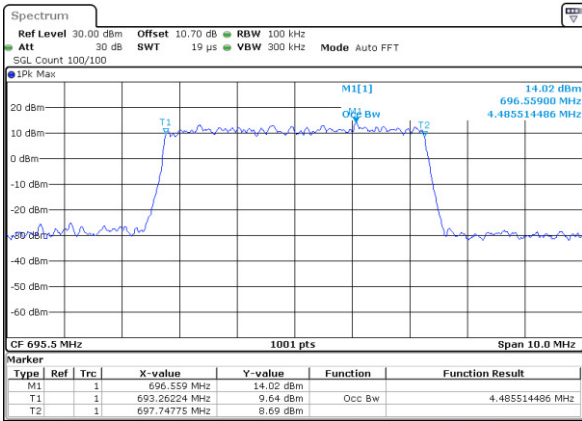
Date: 18 FEB 2018 03:16:11

Middle Channel / 10MHz / 64QAM



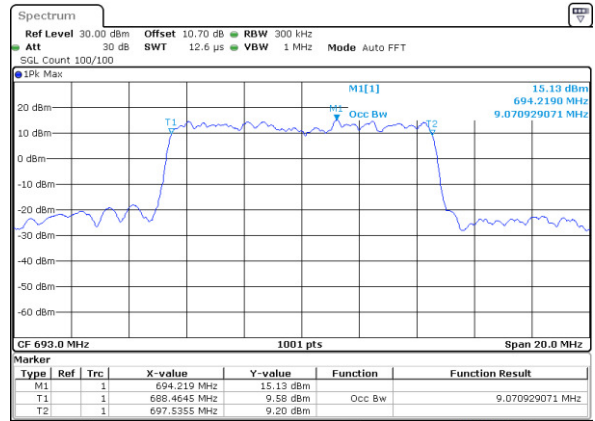
Date: 18 FEB 2018 11:10:23

Highest Channel / 5MHz / 64QAM



Date: 18 FEB 2018 03:31:43

Highest Channel / 10MHz / 64QAM

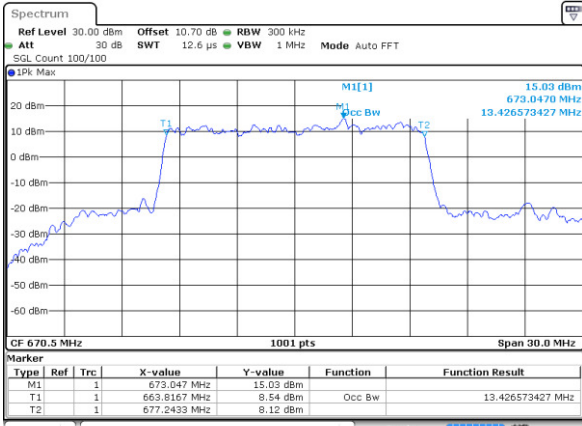


Date: 18 FEB 2018 11:41:19



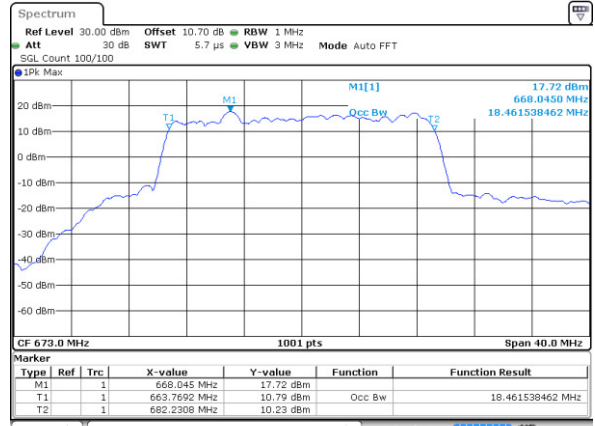
LTE Band 71

Lowest Channel / 15MHz / 64QAM



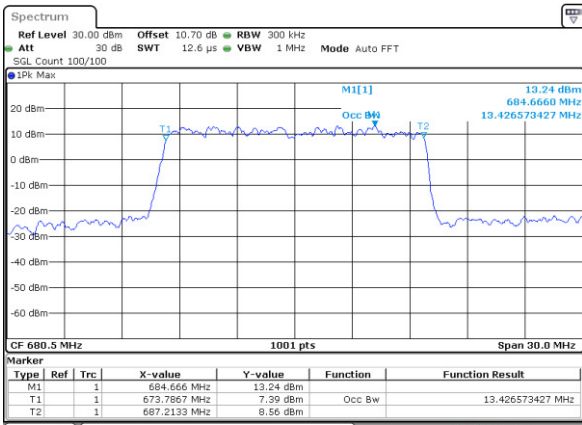
Date: 18 FEB 2018 11:56:35

Lowest Channel / 20MHz / 64QAM



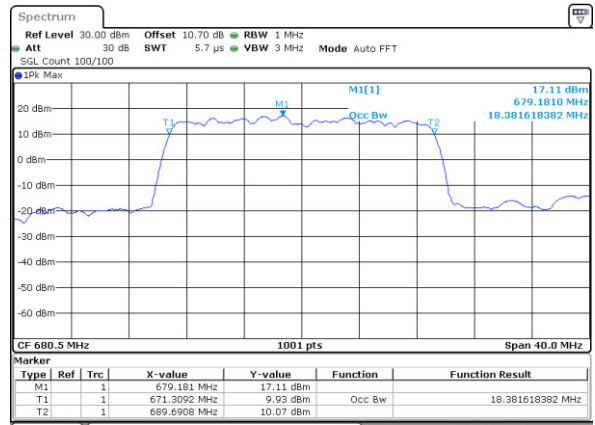
Date: 18 FEB 2018 13:24:13

Middle Channel / 15MHz / 64QAM



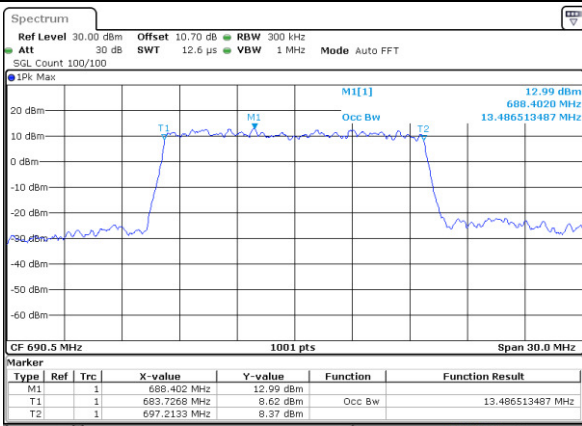
Date: 18 FEB 2018 12:14:38

Middle Channel / 20MHz / 64QAM



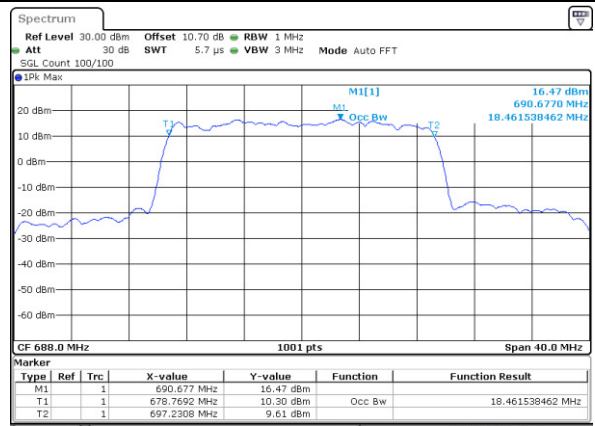
Date: 18 FEB 2018 13:36:18

Highest Channel / 15MHz / 64QAM



Date: 18 FEB 2018 12:46:35

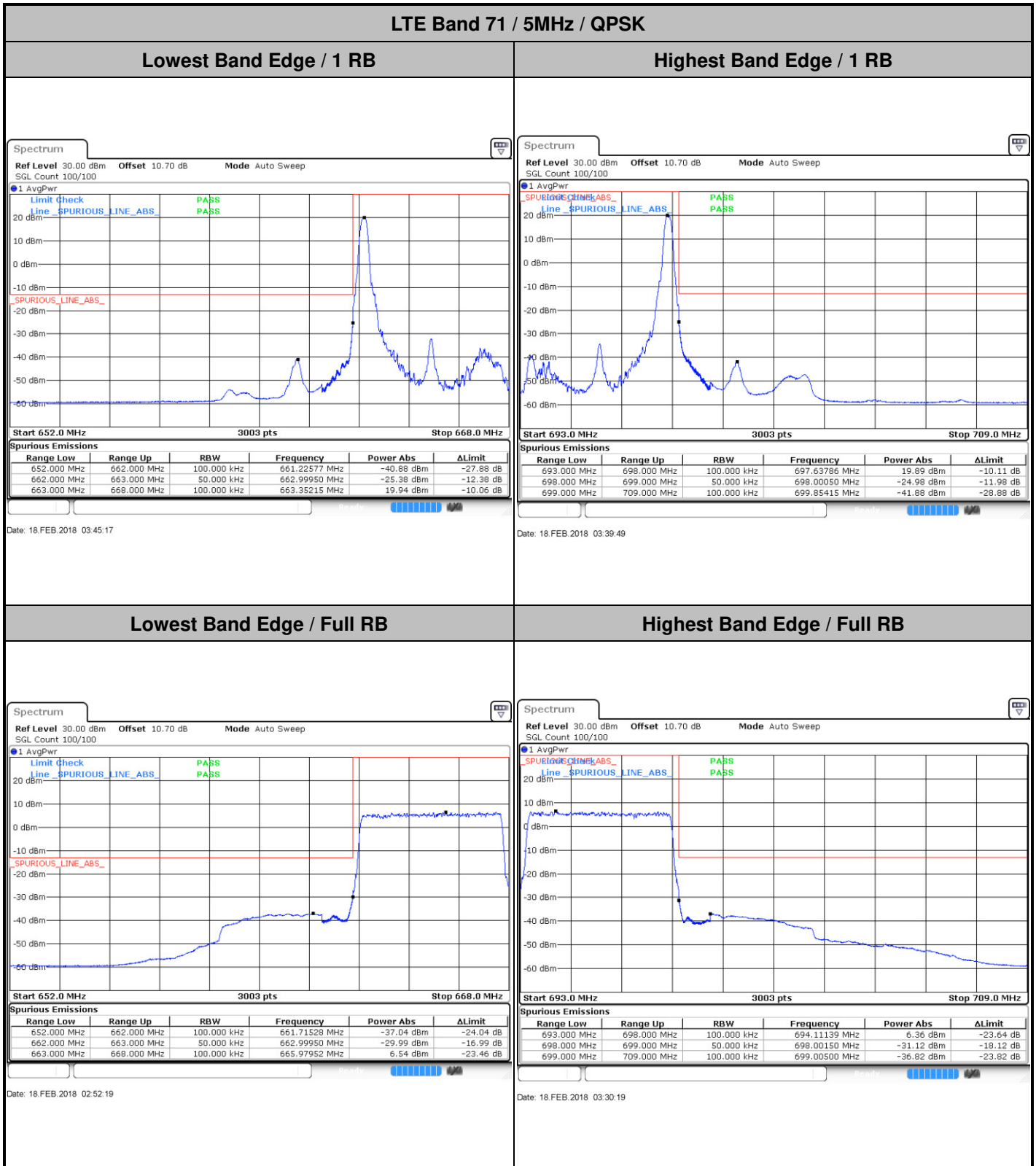
Highest Channel / 20MHz / 64QAM



Date: 18 FEB 2018 14:20:16



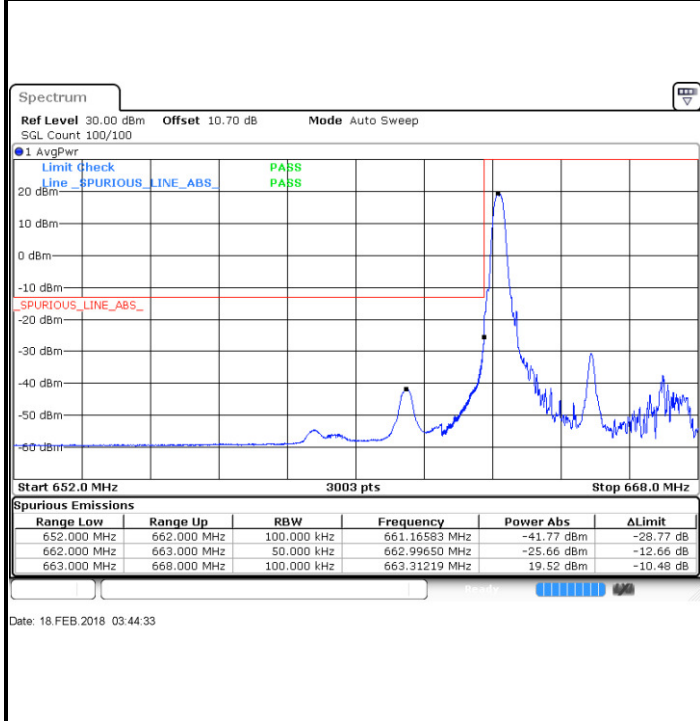
Conducted Band Edge



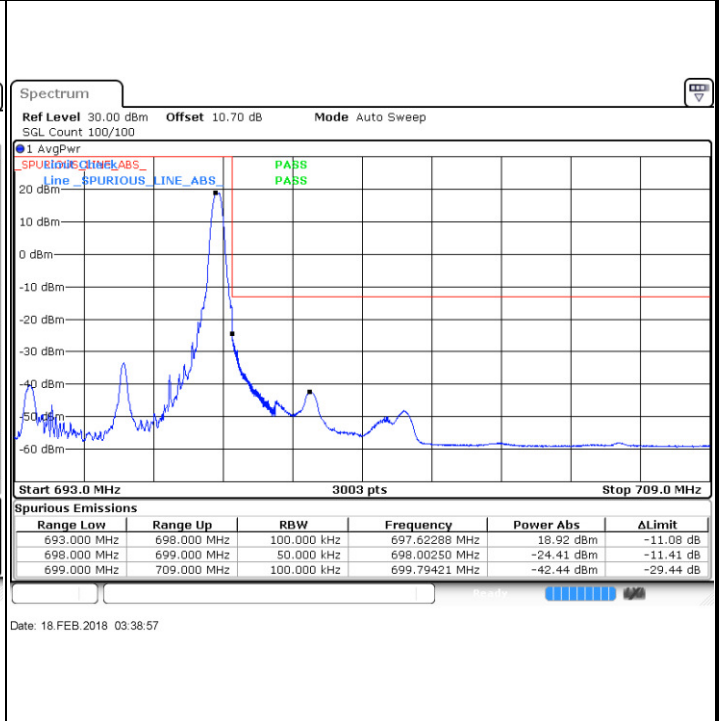


LTE Band 71 / 5MHz / 16QAM

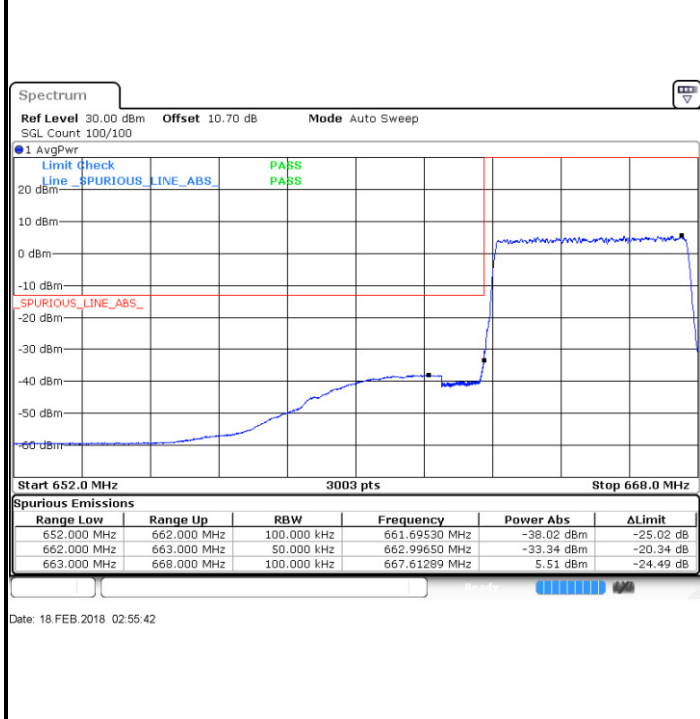
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

