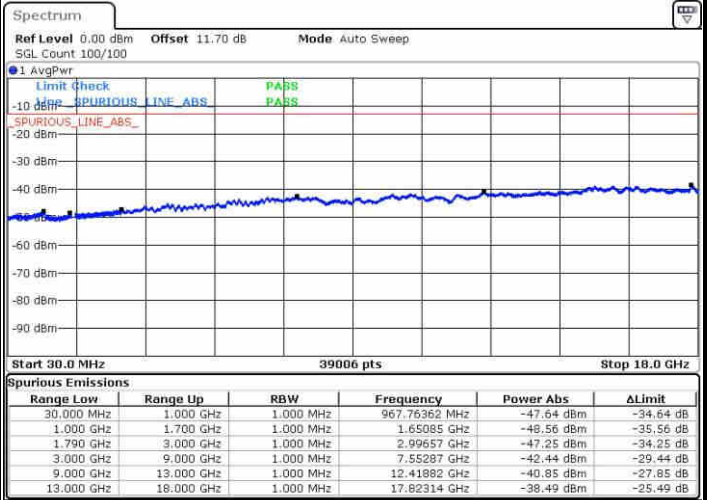
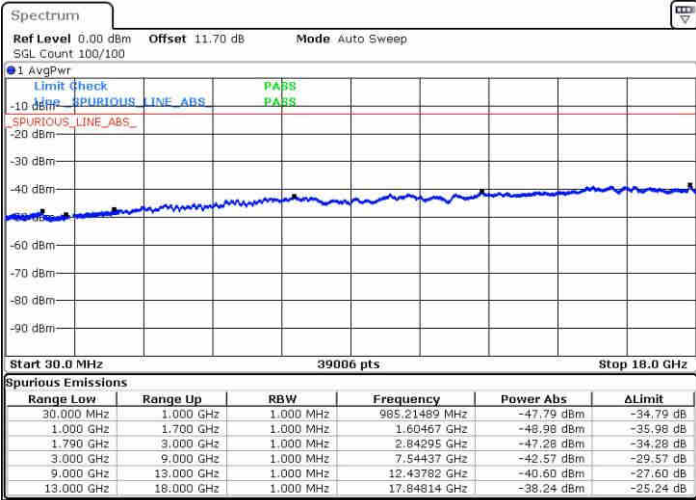




LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

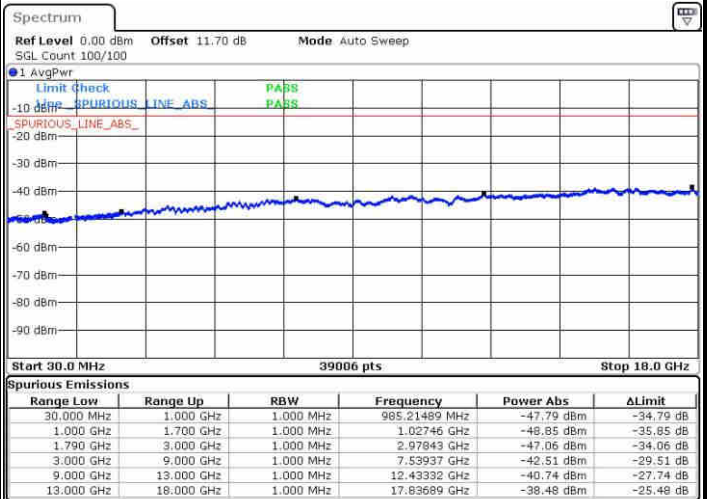
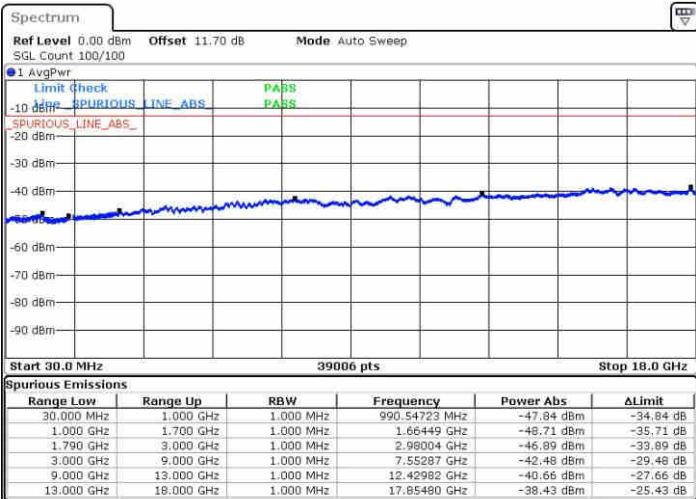


Date: 27.APR.2019 02:41:58

Date: 27.APR.2019 02:42:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.APR.2019 02:46:56

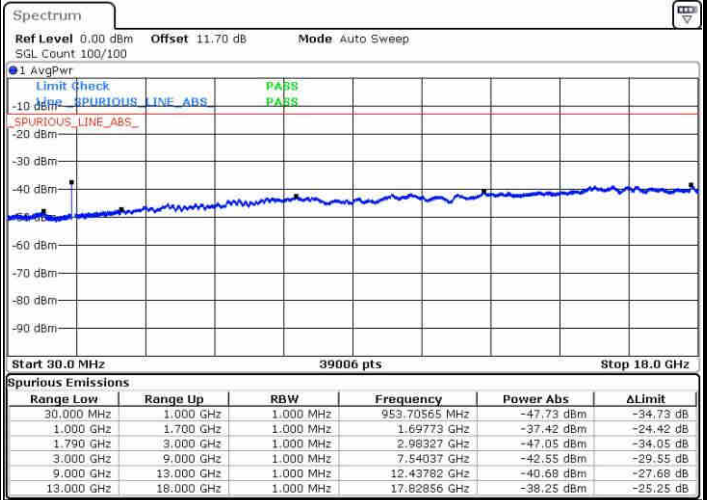
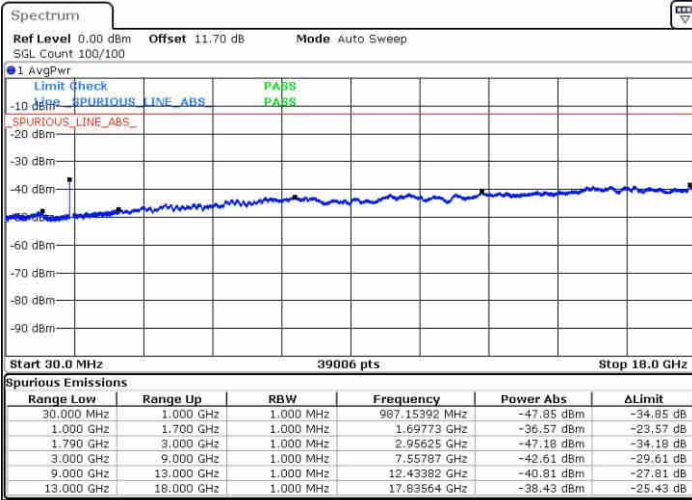
Date: 27.APR.2019 02:47:38



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

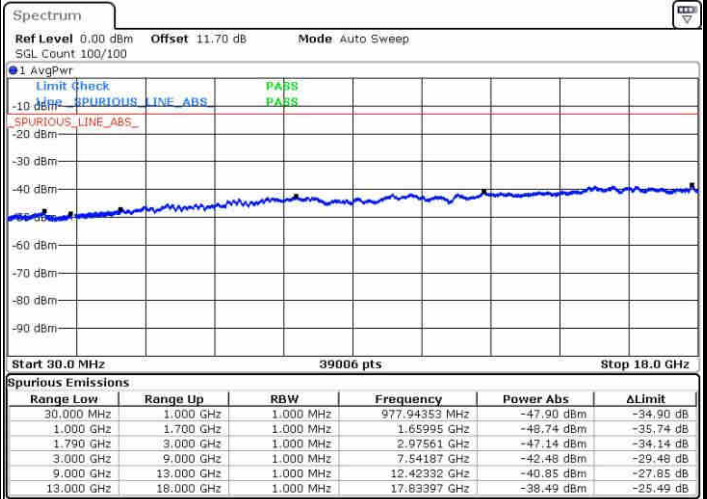
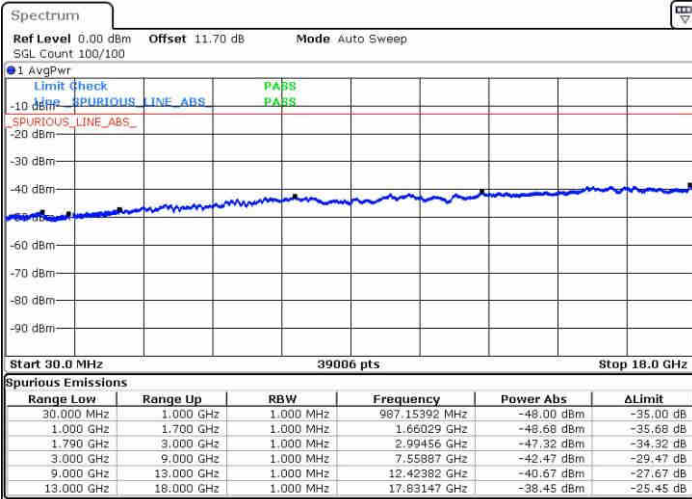


Date: 27.APR.2019 03:04:03

Date: 27.APR.2019 03:04:45

Middle Channel / QPSK

Middle Channel / 16QAM



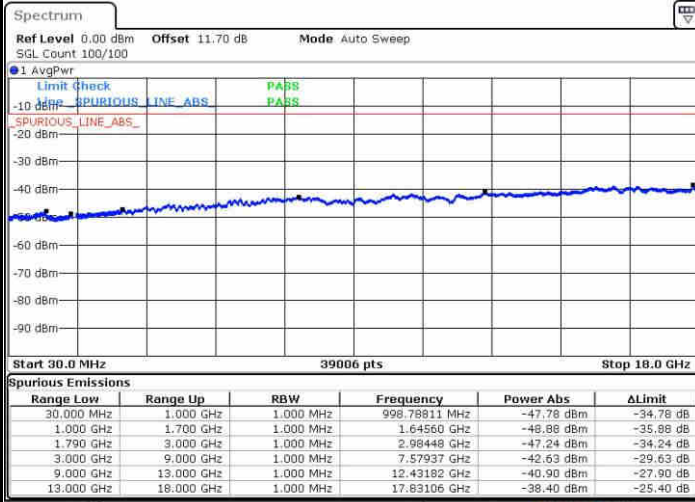
Date: 27.APR.2019 03:06:16

Date: 27.APR.2019 03:06:58



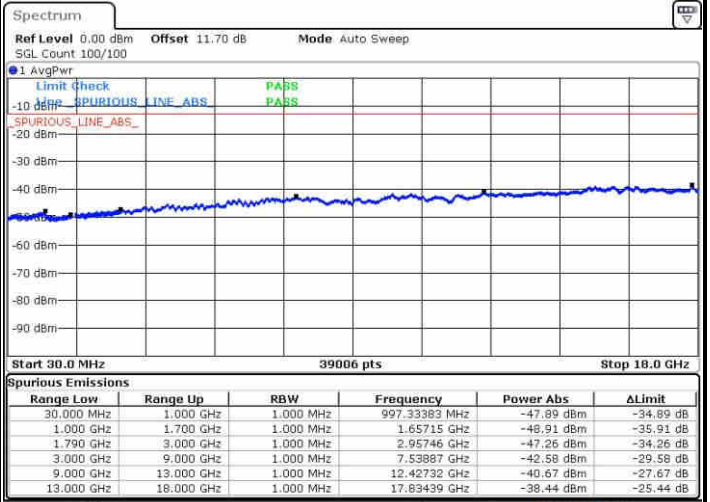
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 27 APR 2019 03:11:14

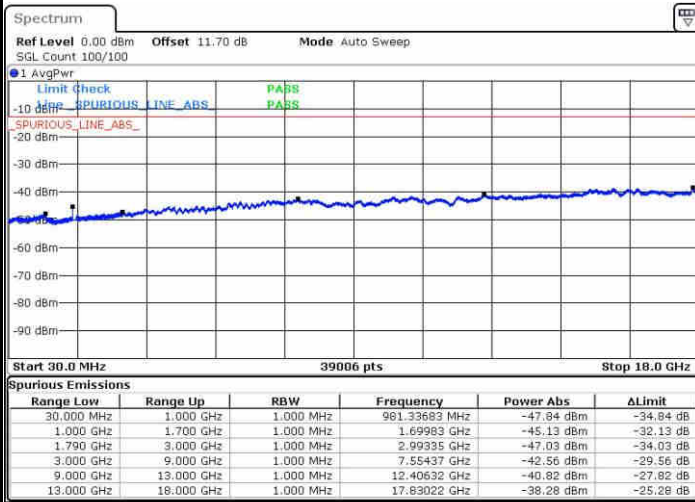
Highest Channel / 16QAM



Date: 27 APR 2019 03:11:56

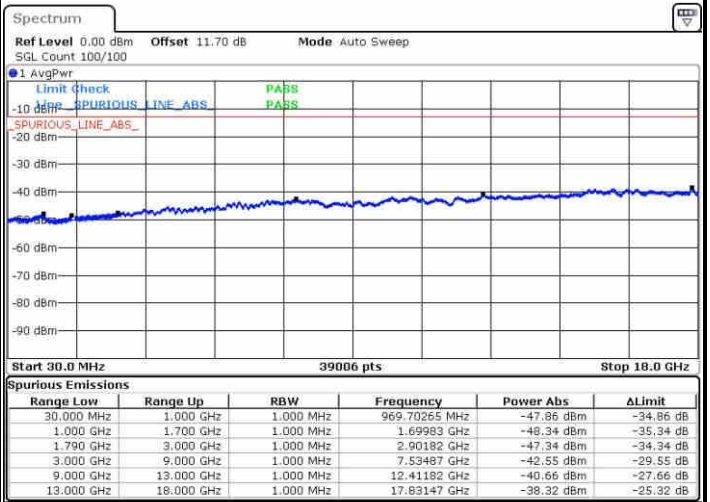
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 27 APR 2019 03:16:12

Lowest Channel / 16QAM



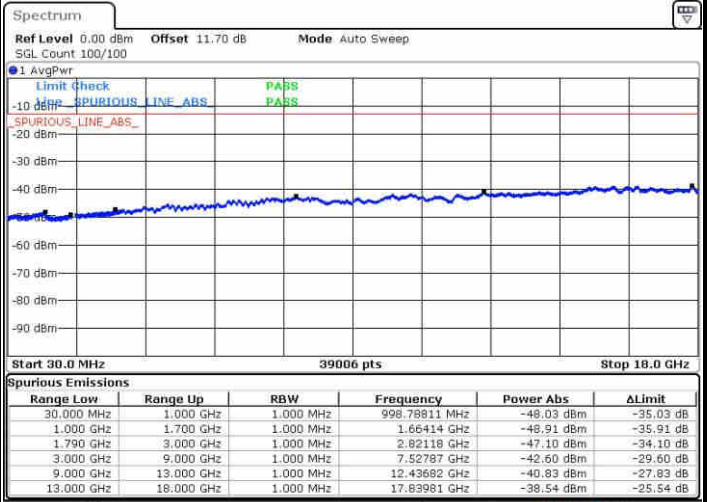
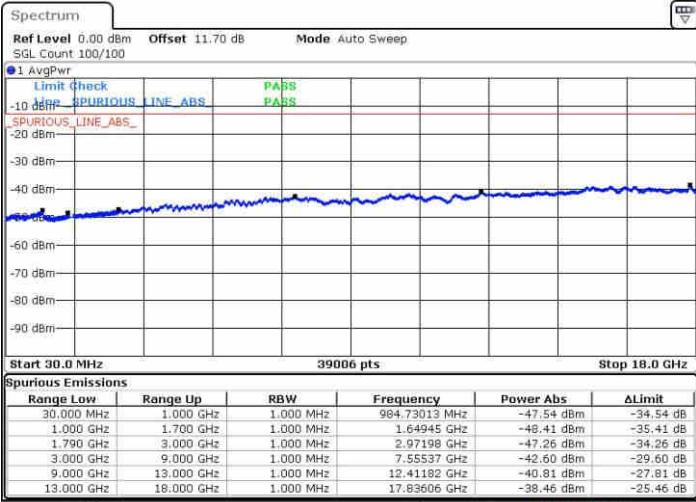
Date: 27 APR 2019 03:16:54



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

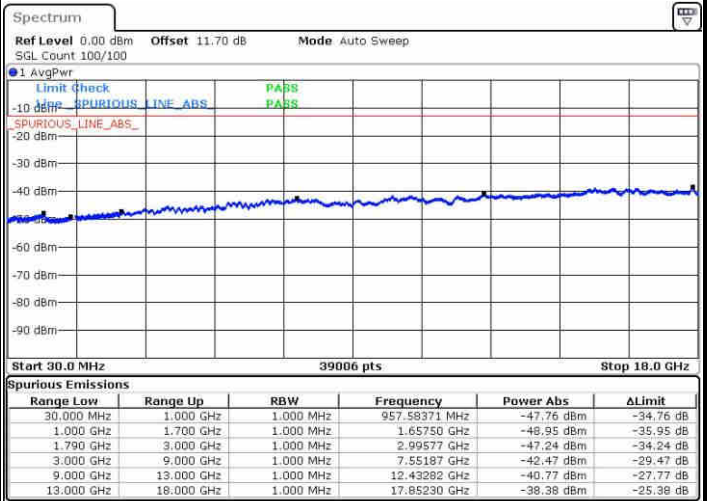
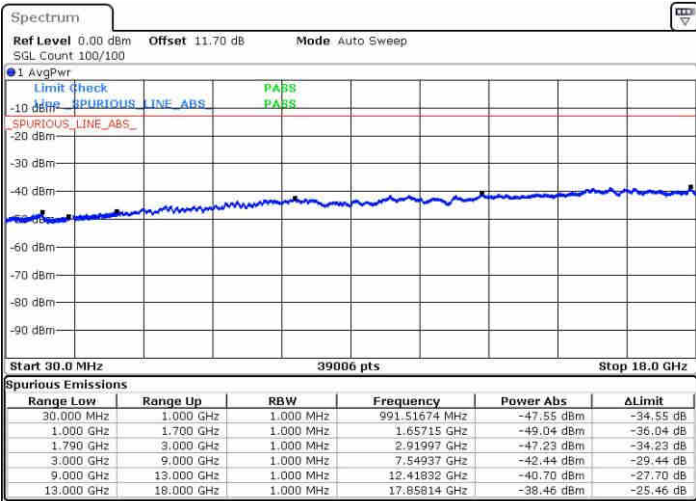


Date: 27.APR.2019 03:18:26

Date: 27.APR.2019 03:19:08

Highest Channel / QPSK

Highest Channel / 16QAM



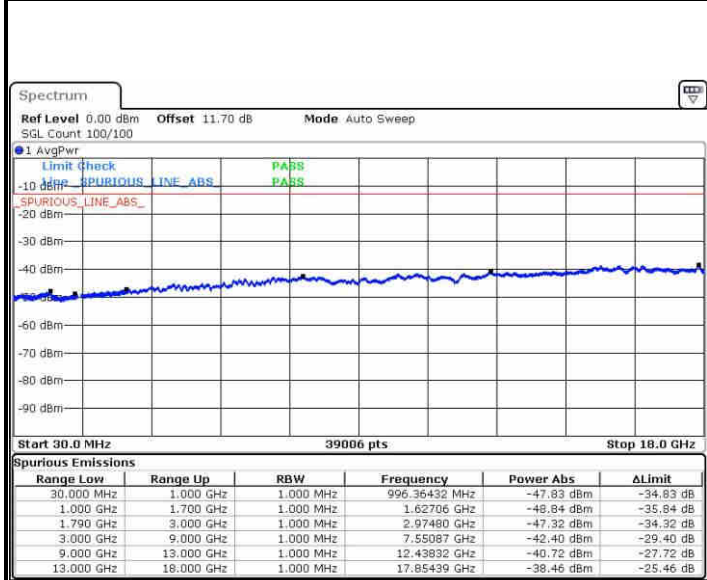
Date: 27.APR.2019 03:23:24

Date: 27.APR.2019 03:24:06



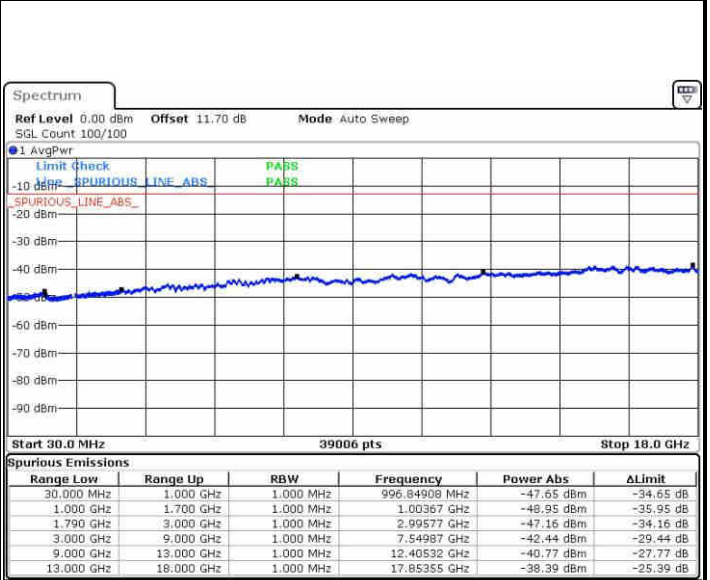
**LTE Band 66 / 1.4MHz**

**Lowest Channel / 64QAM**



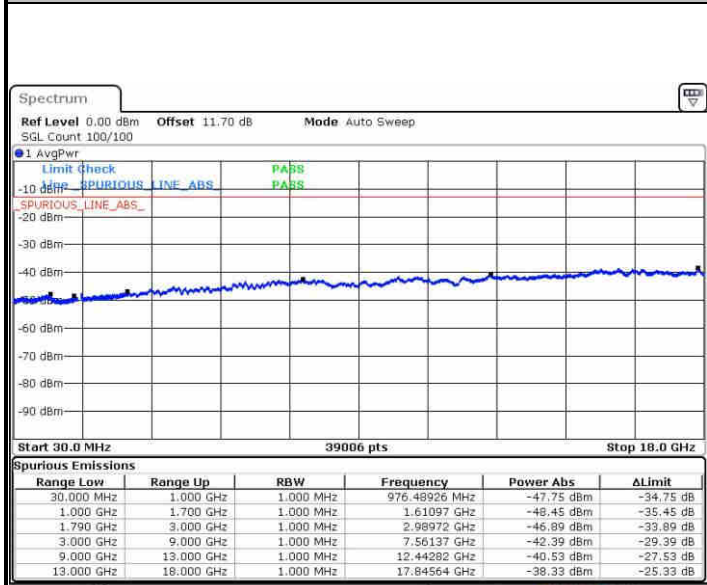
Date: 27.APR.2019 01:51:42

**Middle Channel / 64QAM**



Date: 27.APR.2019 01:52:49

**Highest Channel / 64QAM**

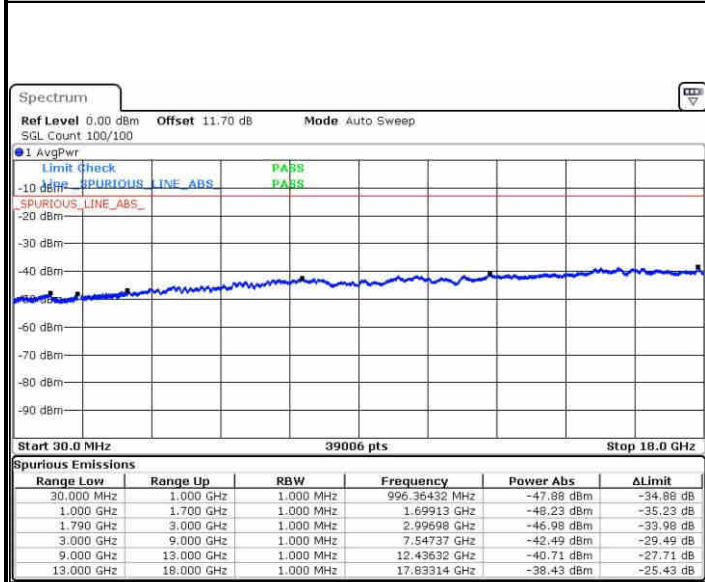


Date: 27.APR.2019 01:56:03



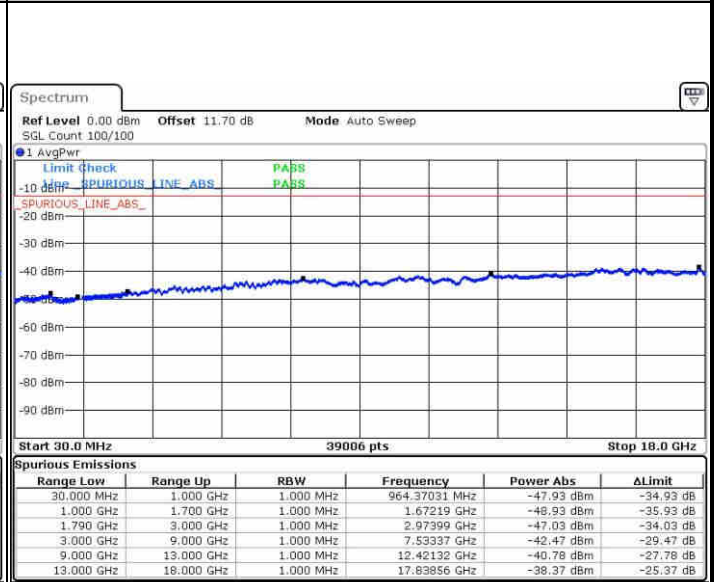
**LTE Band 66 / 3MHz**

**Lowest Channel / 64QAM**



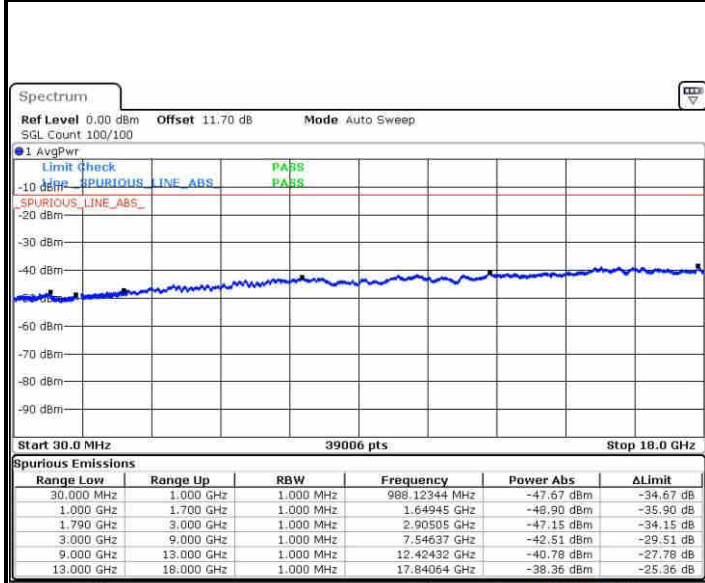
Date: 27.APR.2019 02:13:38

**Middle Channel / 64QAM**



Date: 27.APR.2019 02:14:45

**Highest Channel / 64QAM**



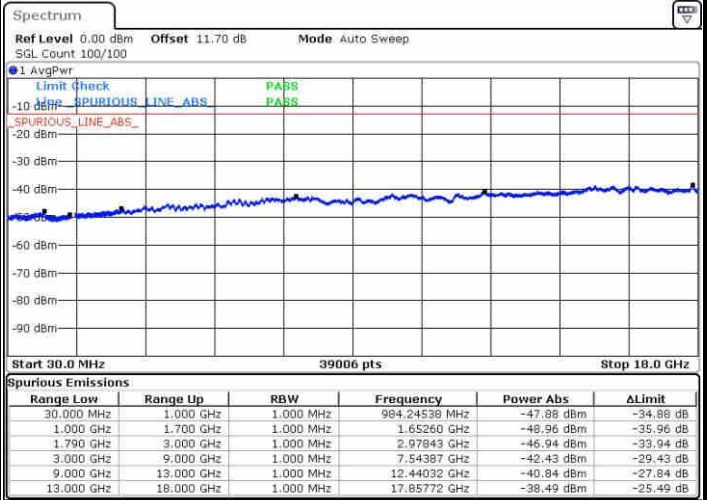
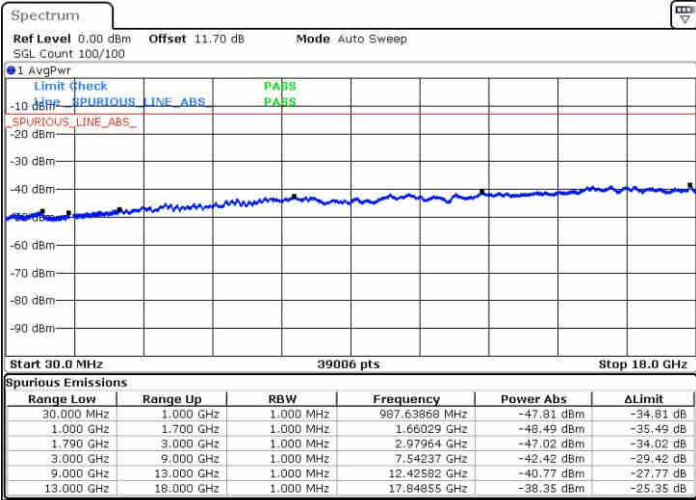
Date: 27.APR.2019 02:17:13



LTE Band 66 / 5MHz

Lowest Channel / 64QAM

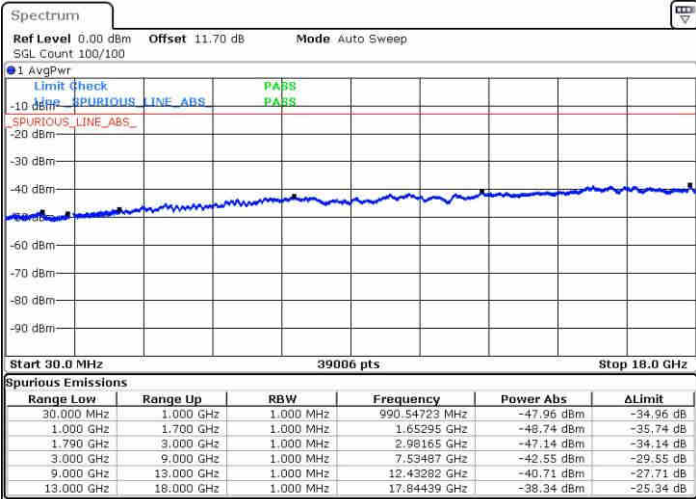
Middle Channel / 64QAM



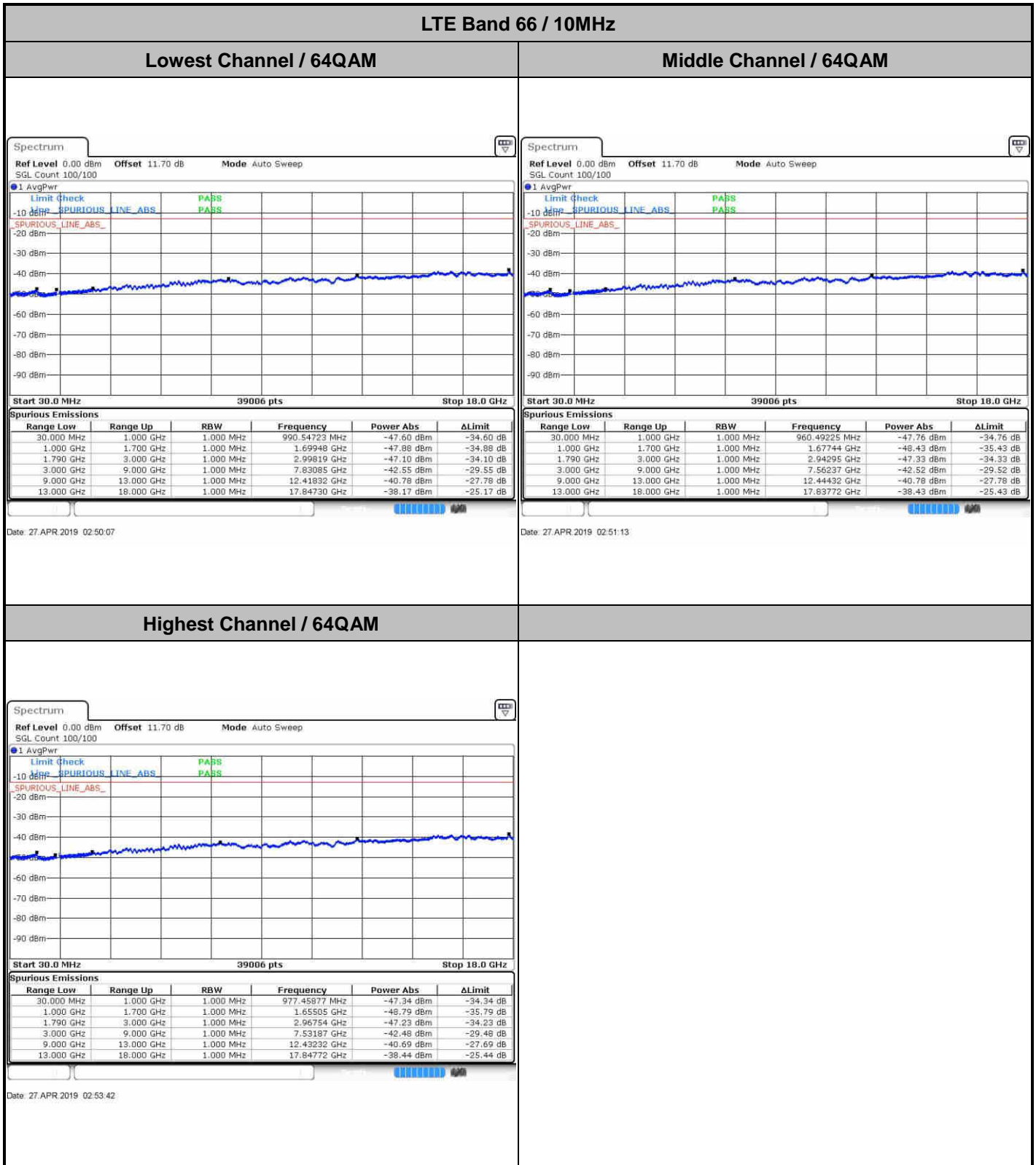
Date: 27 APR 2019 02:19:42

Date: 27 APR 2019 02:20:49

Highest Channel / 64QAM



Date: 27 APR 2019 02:23:18



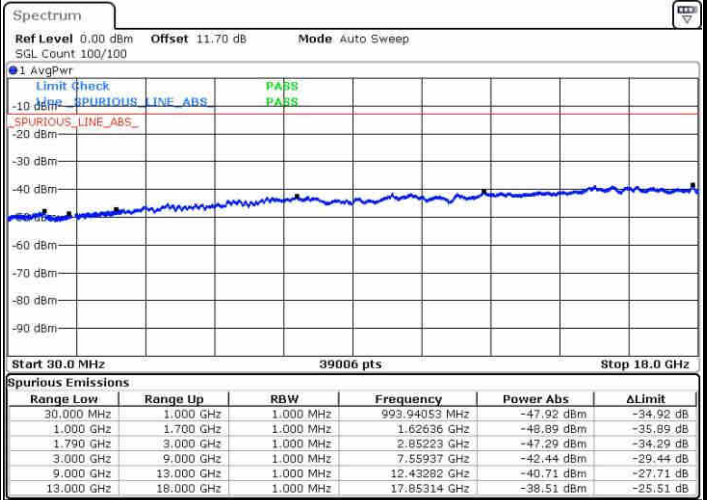
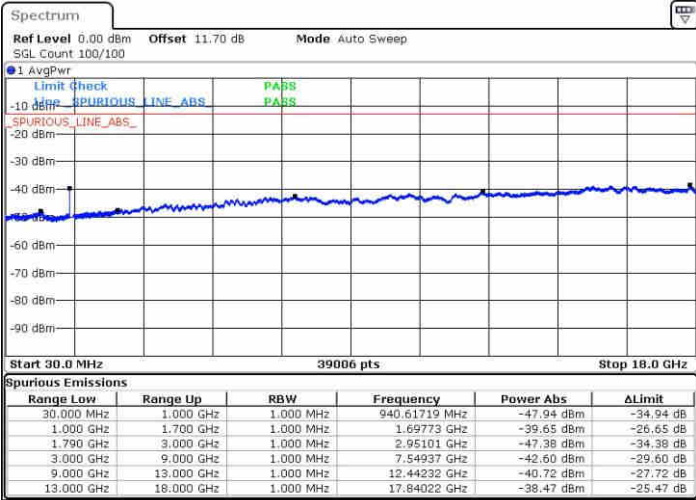




LTE Band 66 / 15MHz

Lowest Channel / 64QAM

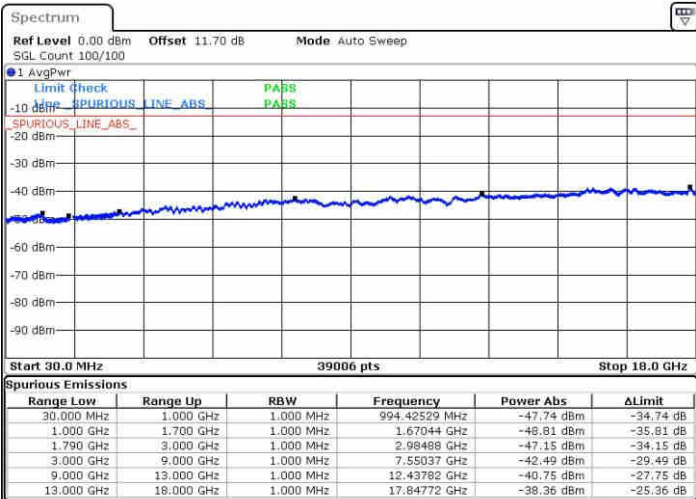
Middle Channel / 64QAM



Date: 27 APR 2019 02:56:11

Date: 27 APR 2019 02:57:18

Highest Channel / 64QAM



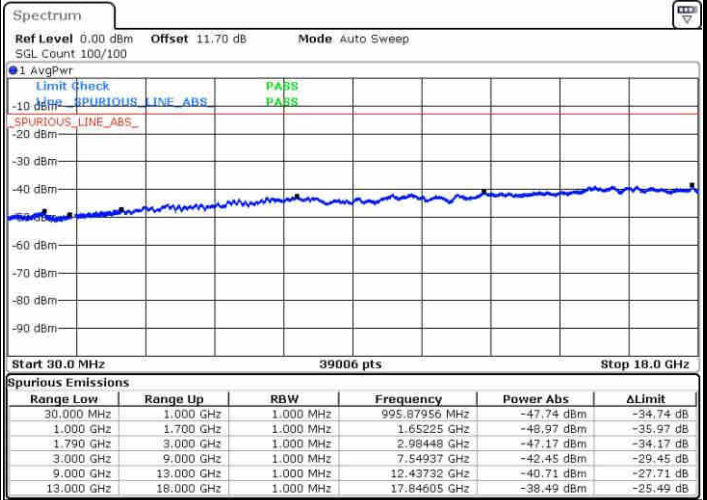
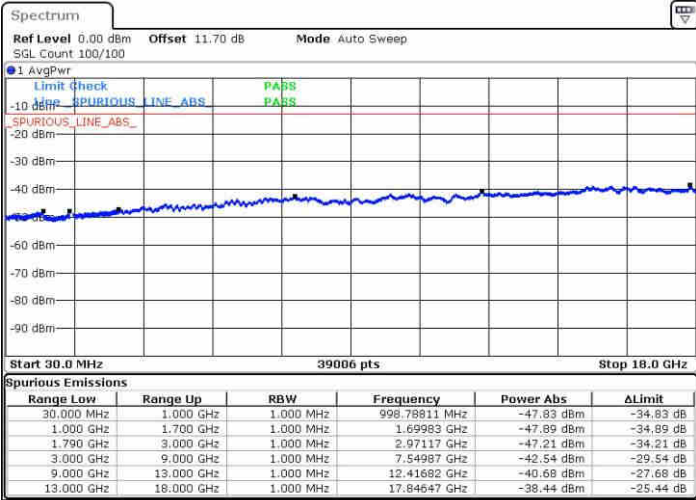
Date: 27 APR 2019 02:59:47



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

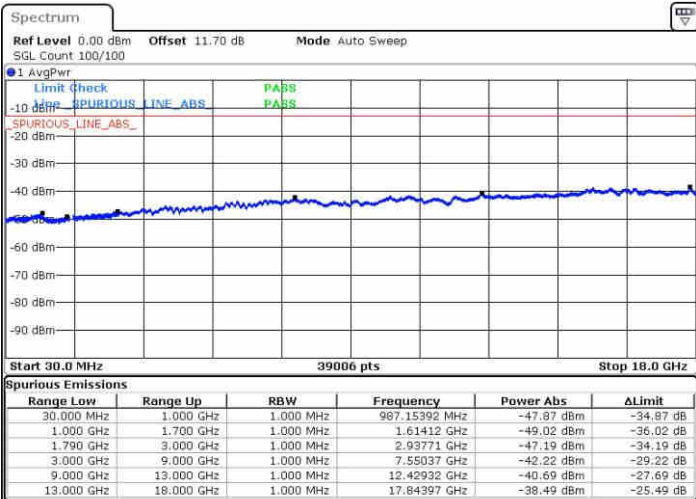
Middle Channel / 64QAM



Date: 27.APR.2019 03:26:35

Date: 27.APR.2019 03:27:42

Highest Channel / 64QAM



Date: 27.APR.2019 03:30:10



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	0.0015	PASS
40	Normal Voltage	0.0050	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

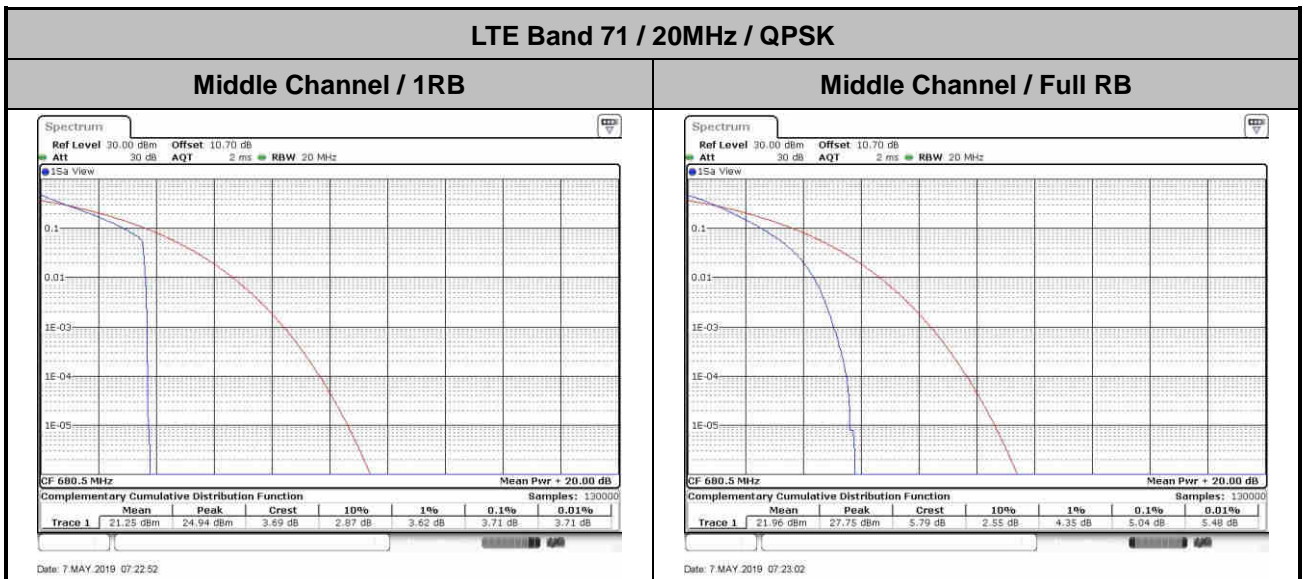
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# 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	3.77	5.07	4.41	6.12	<b>PASS</b>
Middle CH	3.71	5.04	4.58	6.09	
Highest CH	3.86	5.19	4.38	6.14	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.77	6.58	-	-	<b>PASS</b>
Middle CH	5.33	6.67	-	-	
Highest CH	5.36	6.70	-	-	





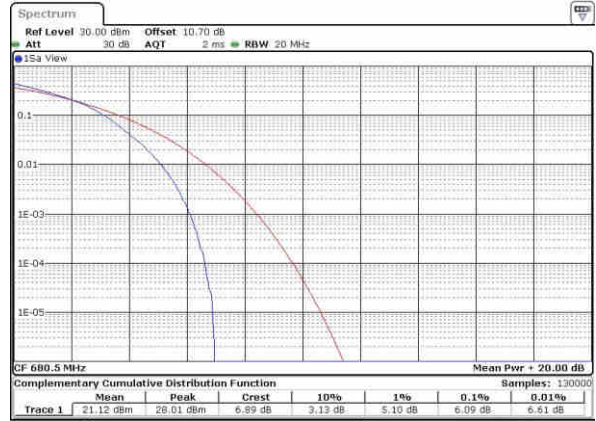
LTE Band 71 / 20MHz / 16QAM

Middle Channel / 1RB



Date: 7 MAY 2019 07:21:32

Middle Channel / Full RB



Date: 7 MAY 2019 07:21:43

LTE Band 71 / 20MHz / 64QAM

Middle Channel / 1RB



Date: 7 MAY 2019 07:24:01

Middle Channel / Full RB



Date: 7 MAY 2019 07:24:12



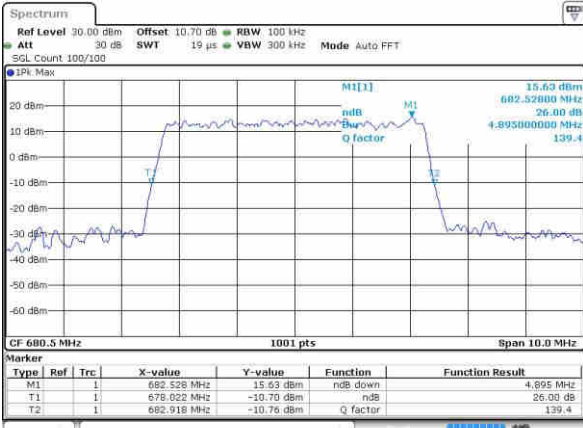
**26dB Bandwidth**

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	4.93	9.87	9.63	14.42	14.33	19.02	19.14
Middle CH	-	-	-	-	4.90	4.90	9.73	9.81	14.42	14.51	19.14	18.98
Highest CH	-	-	-	-	4.88	4.90	9.87	9.85	14.57	14.42	18.86	18.74
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.79	-	10.01	-	14.39	-	18.90	-
Middle CH	-	-	-	-	4.96	-	9.75	-	14.33	-	18.74	-
Highest CH	-	-	-	-	4.89	-	9.77	-	14.45	-	18.66	-



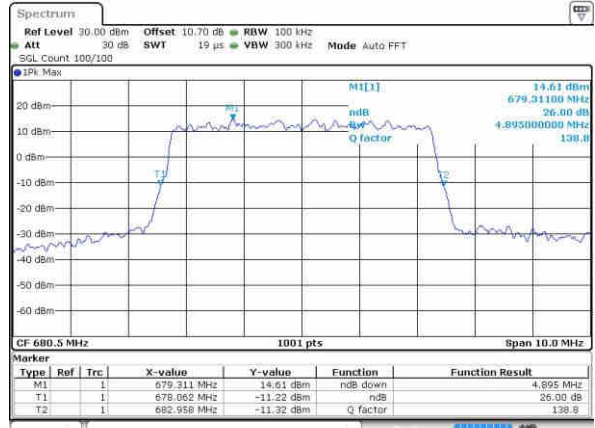
LTE Band 71

Middle Channel / 5MHz / QPSK



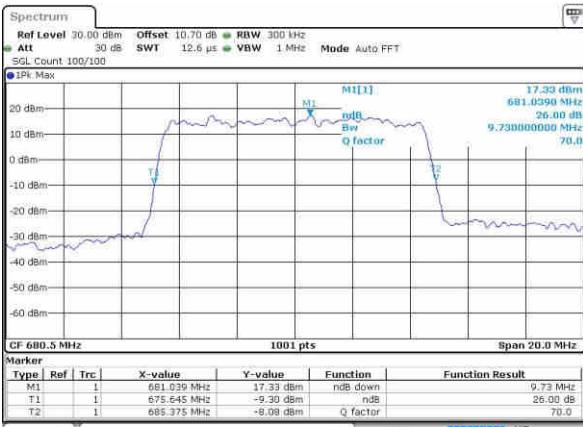
Date: 7 MAY 2019 06:07:31

Middle Channel / 5MHz / 16QAM



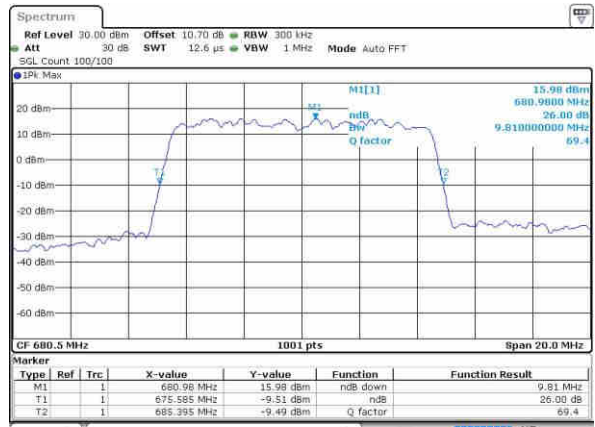
Date: 7 MAY 2019 06:07:43

Middle Channel / 10MHz / QPSK



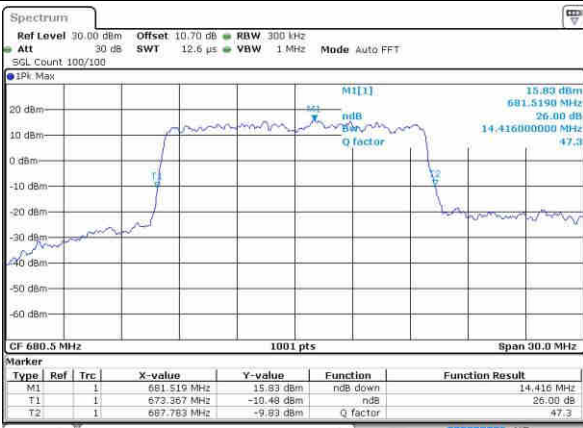
Date: 7 MAY 2019 06:27:06

Middle Channel / 10MHz / 16QAM



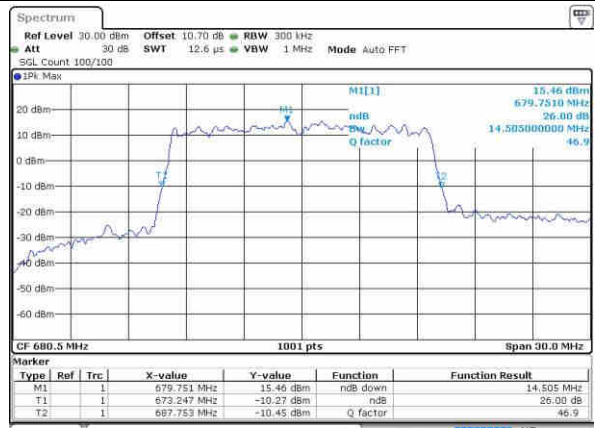
Date: 7 MAY 2019 06:27:17

Middle Channel / 15MHz / QPSK



Date: 7 MAY 2019 06:46:39

Middle Channel / 15MHz / 16QAM

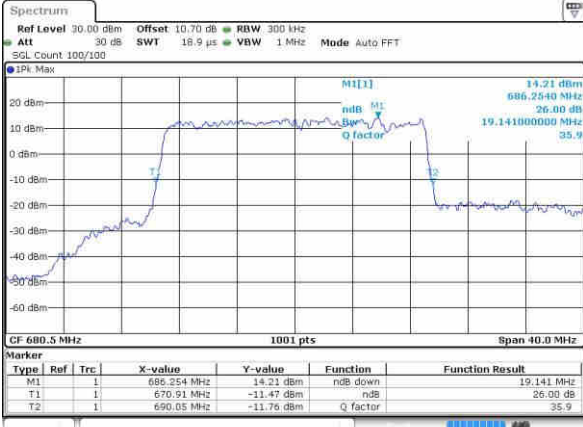


Date: 7 MAY 2019 06:46:51



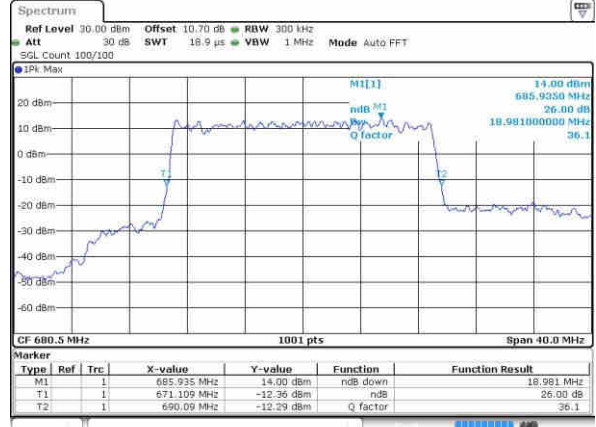
LTE Band 71

Middle Channel / 20MHz / QPSK



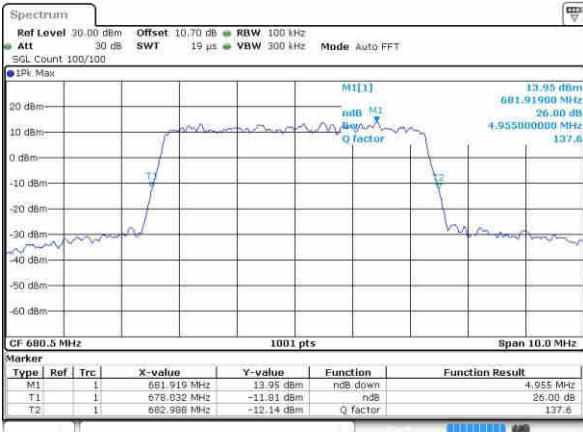
Date: 7 MAY 2019 07:06:14

Middle Channel / 20MHz / 16QAM



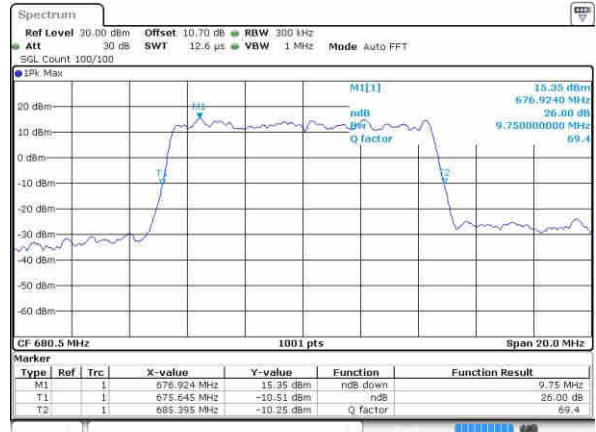
Date: 7 MAY 2019 07:06:26

Middle Channel / 5MHz / 64QAM



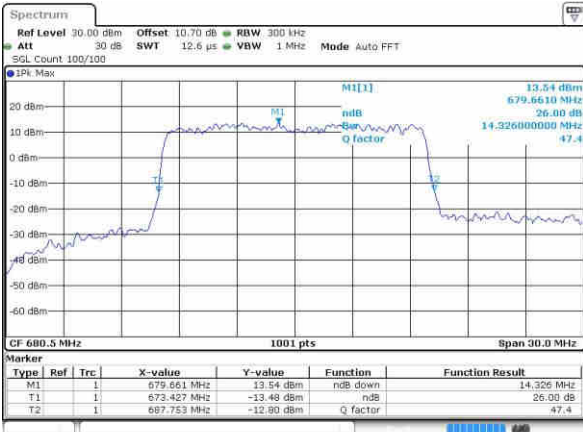
Date: 7 MAY 2019 08:17:41

Middle Channel / 10MHz / 64QAM



Date: 7 MAY 2019 08:37:14

Middle Channel / 15MHz / 64QAM



Date: 7 MAY 2019 08:56:49

Middle Channel / 20MHz / 64QAM



Date: 7 MAY 2019 07:16:23





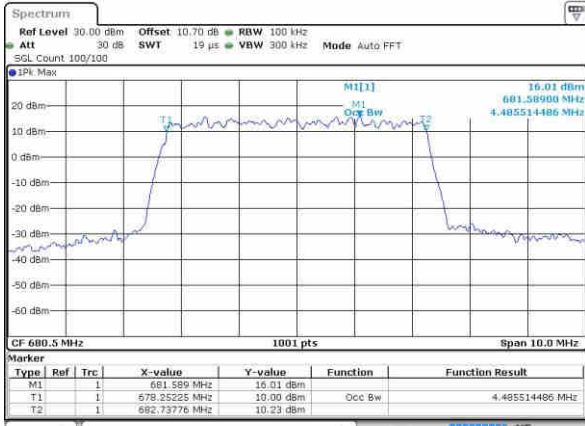
**Occupied Bandwidth**

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	4.49	9.07	9.03	13.40	13.37	17.82	17.82
Middle CH	-	-	-	-	4.49	4.51	9.05	8.99	13.40	13.37	17.90	17.82
Highest CH	-	-	-	-	4.49	4.47	9.01	9.01	13.37	13.43	17.90	17.94
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	9.01	-	13.31	-	17.82	-
Middle CH	-	-	-	-	4.50	-	9.05	-	13.40	-	17.86	-
Highest CH	-	-	-	-	4.50	-	8.97	-	13.46	-	17.78	-



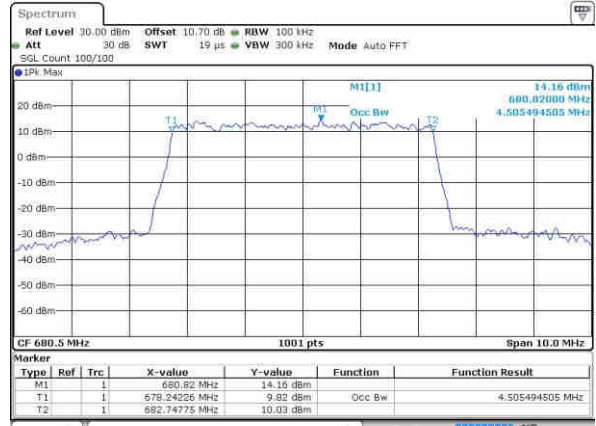
LTE Band 71

Middle Channel / 5MHz / QPSK



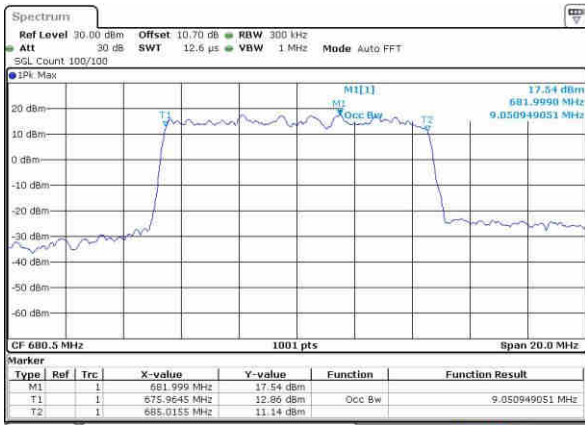
Date: 7 MAY 2019 06:07:08

Middle Channel / 5MHz / 16QAM



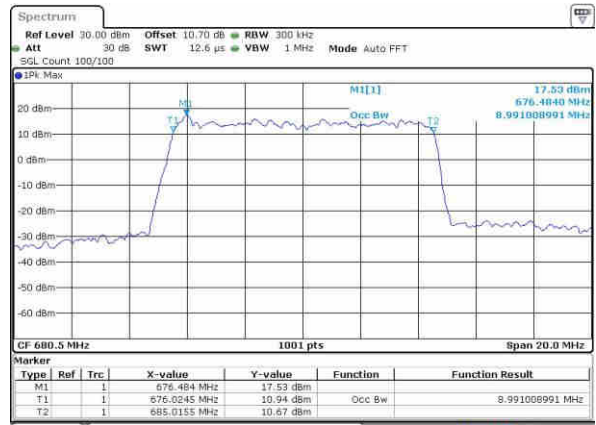
Date: 7 MAY 2019 06:07:19

Middle Channel / 10MHz / QPSK



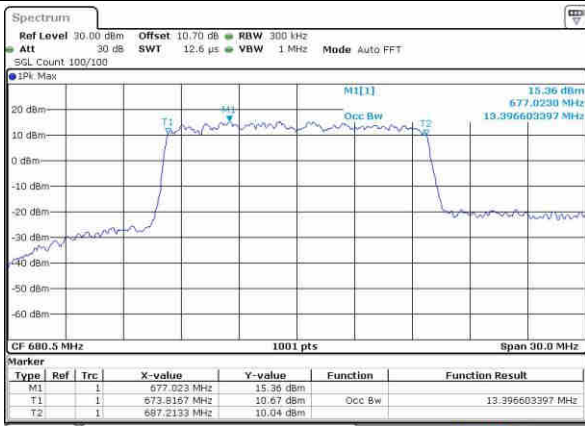
Date: 7 MAY 2019 06:26:42

Middle Channel / 10MHz / 16QAM



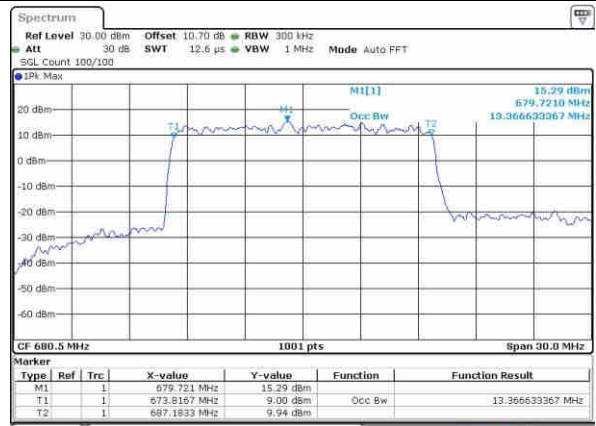
Date: 7 MAY 2019 06:26:54

Middle Channel / 15MHz / QPSK



Date: 7 MAY 2019 06:46:16

Middle Channel / 15MHz / 16QAM

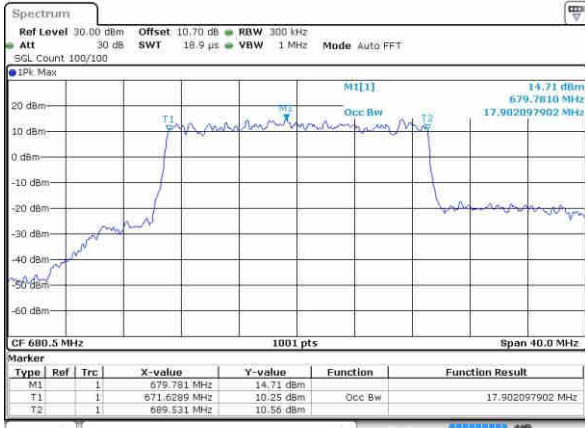


Date: 7 MAY 2019 06:46:28



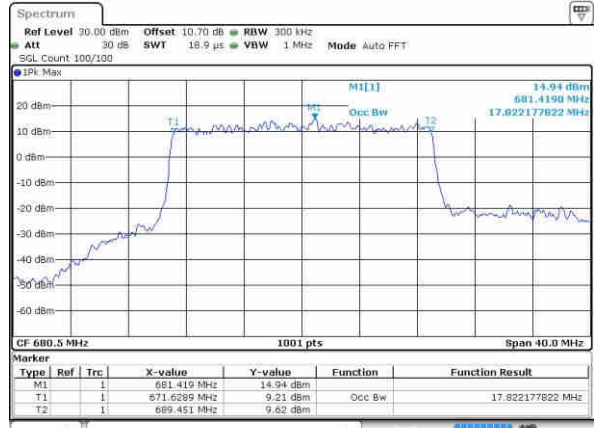
LTE Band 71

Middle Channel / 20MHz / QPSK



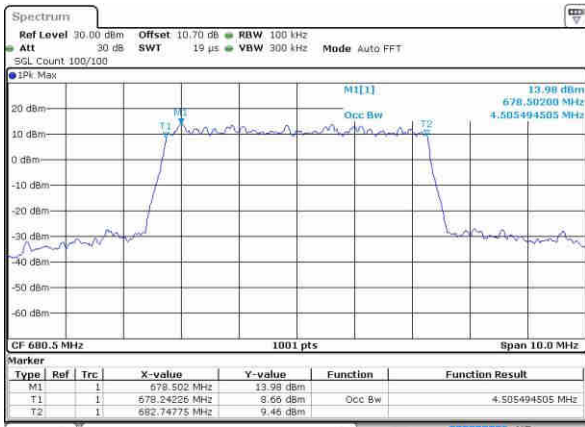
Date: 7 MAY 2019 07:05:50

Middle Channel / 20MHz / 16QAM



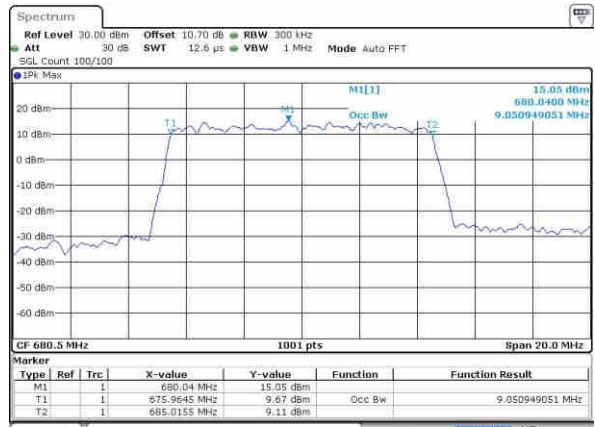
Date: 7 MAY 2019 07:06:02

Middle Channel / 5MHz / 64QAM



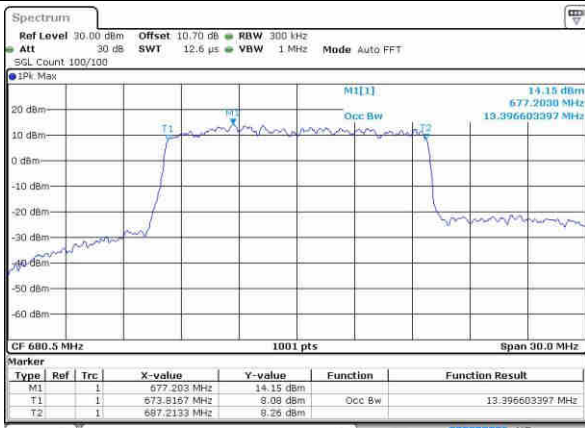
Date: 7 MAY 2019 08:17:28

Middle Channel / 10MHz / 64QAM



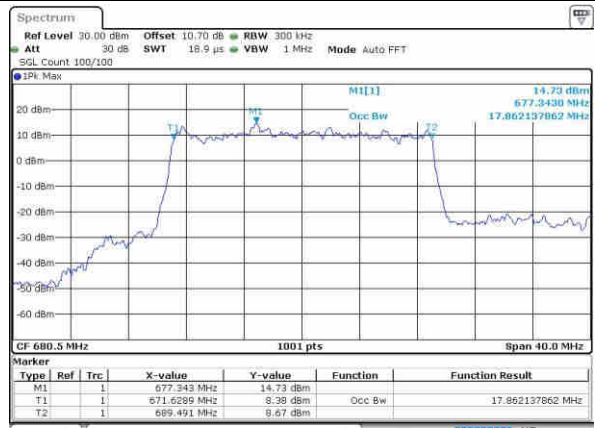
Date: 7 MAY 2019 08:37:02

Middle Channel / 15MHz / 64QAM



Date: 7 MAY 2019 08:56:37

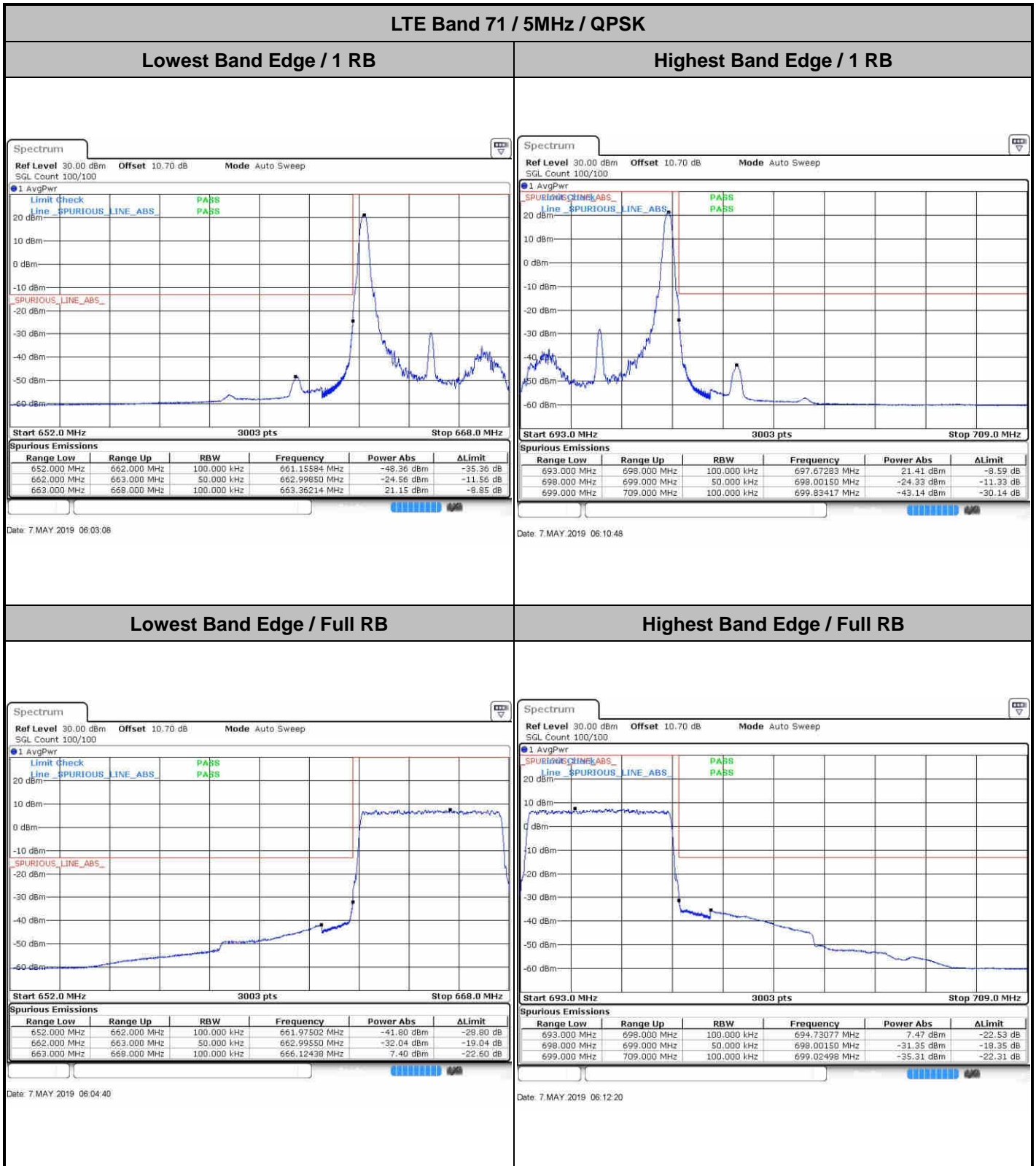
Middle Channel / 20MHz / 64QAM



Date: 7 MAY 2019 07:16:11



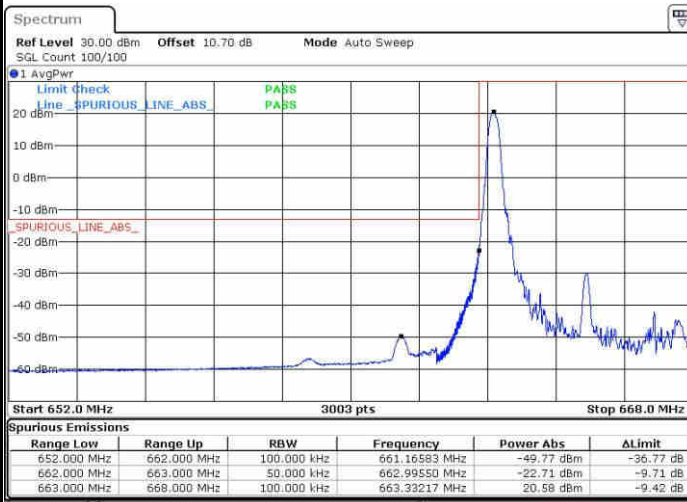
Conducted Band Edge





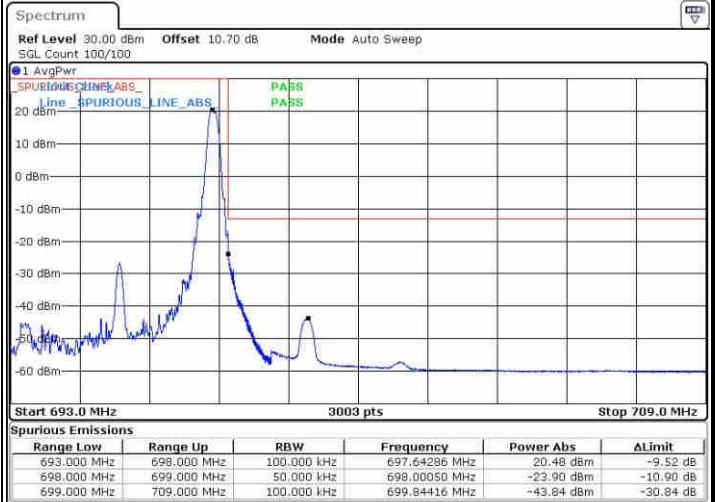
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



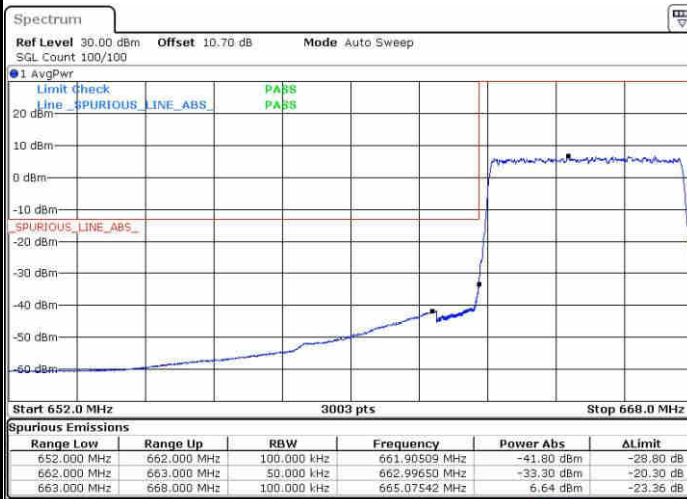
Date: 7.MAY.2019 06:03:54

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:11:34

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:05:26

Highest Band Edge / Full RB

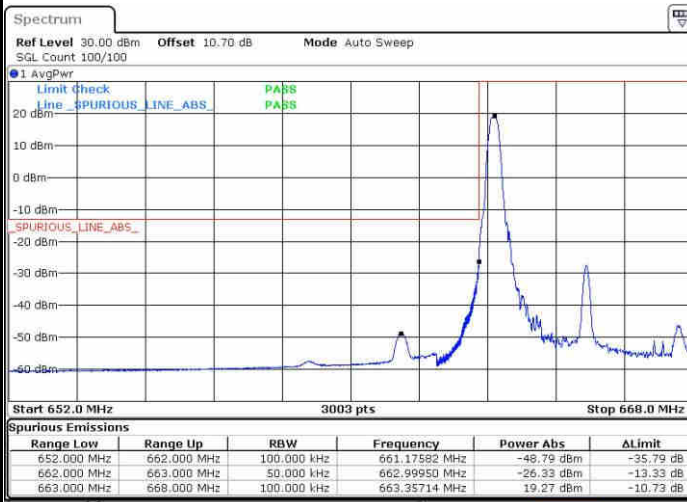


Date: 7.MAY.2019 06:13:06



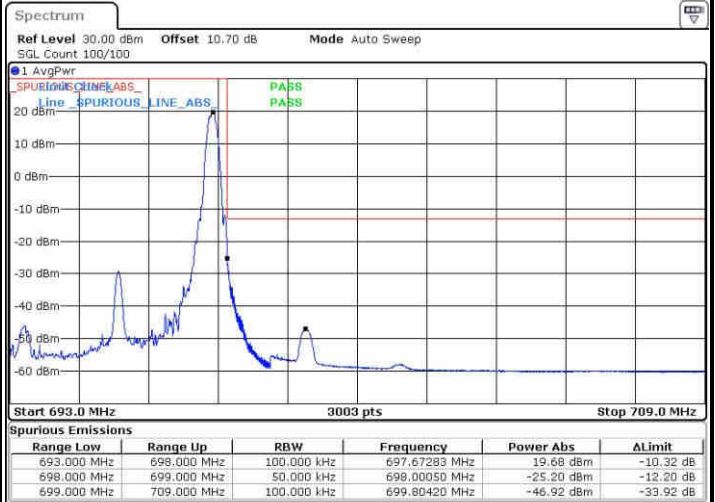
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



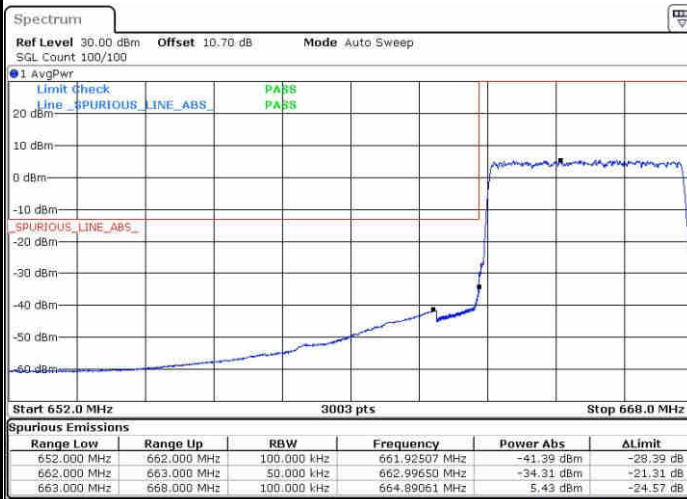
Date: 7.MAY.2019 06:15:47

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:19:36

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:16:33

Highest Band Edge / Full RB

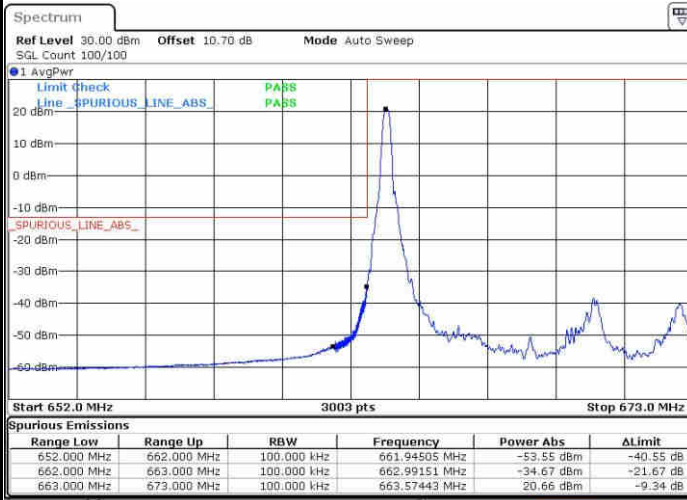


Date: 7.MAY.2019 06:20:23



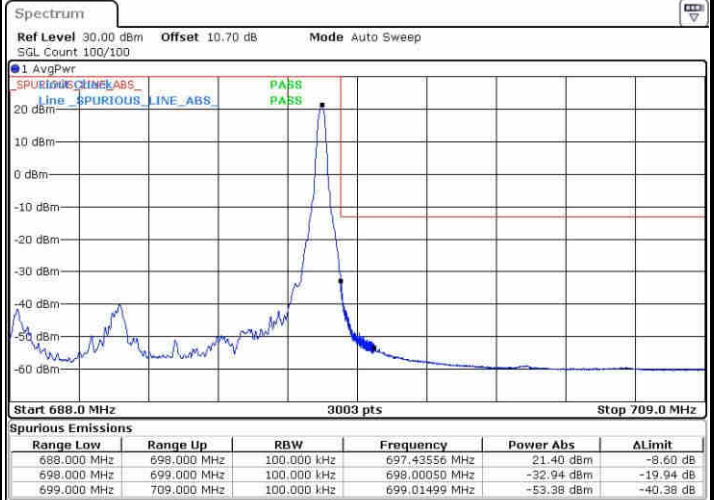
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



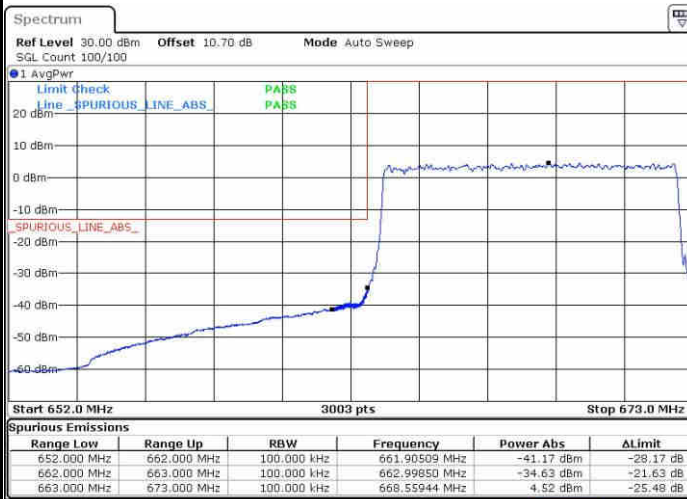
Date: 7.MAY.2019 06:22:43

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:30:22

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:24:15

Highest Band Edge / Full RB

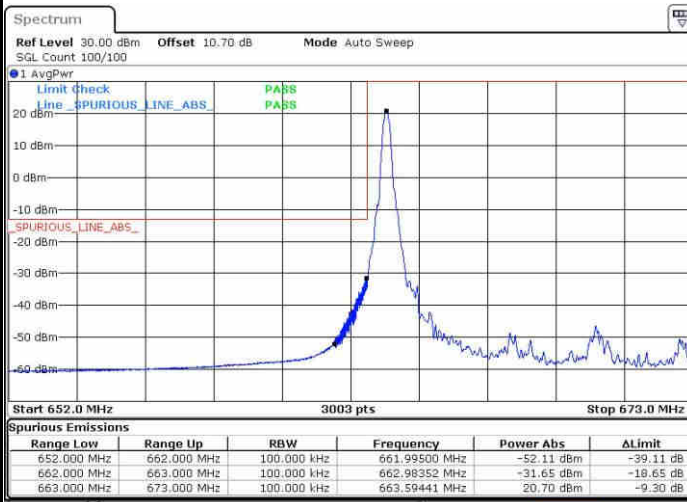


Date: 7.MAY.2019 06:31:54



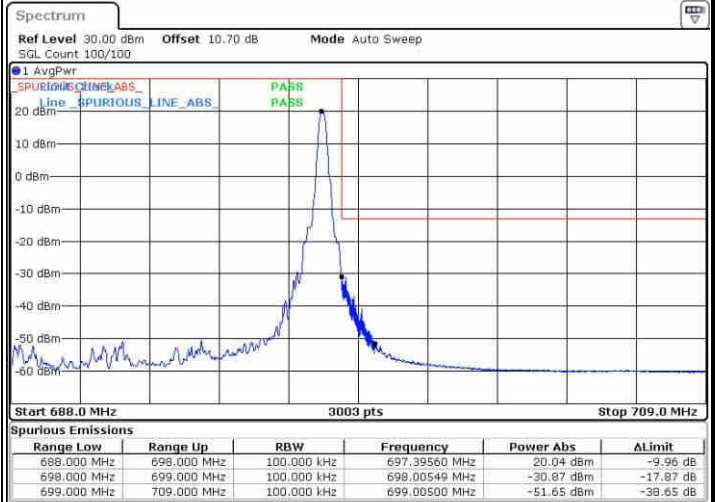
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



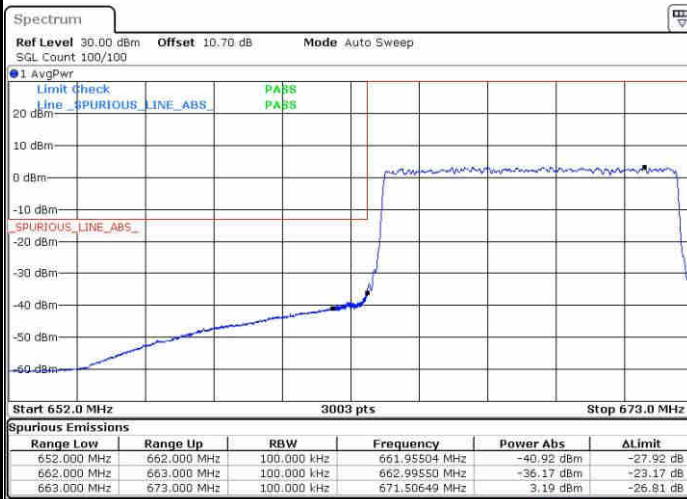
Date: 7.MAY.2019 06:23:29

Highest Band Edge / 1 RB



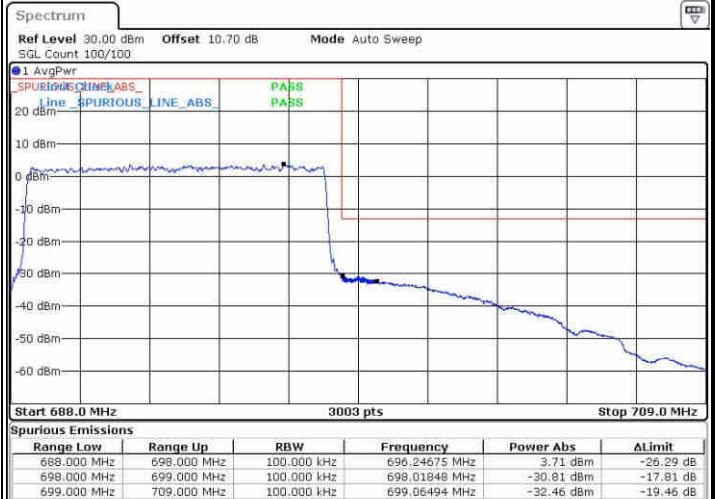
Date: 7.MAY.2019 06:31:08

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:25:00

Highest Band Edge / Full RB



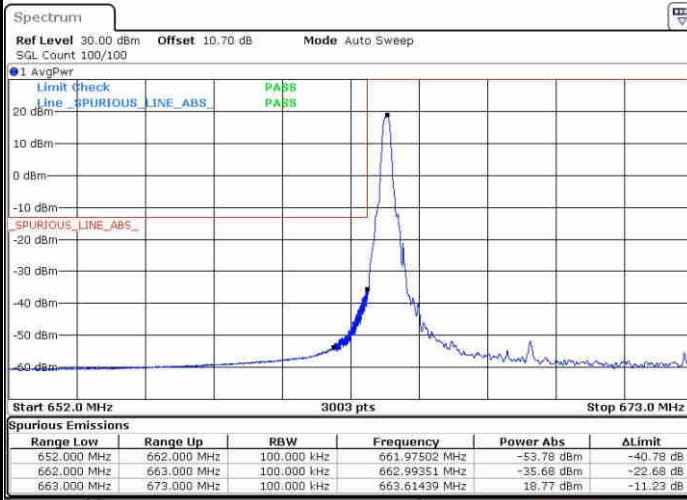
Date: 7.MAY.2019 06:32:40





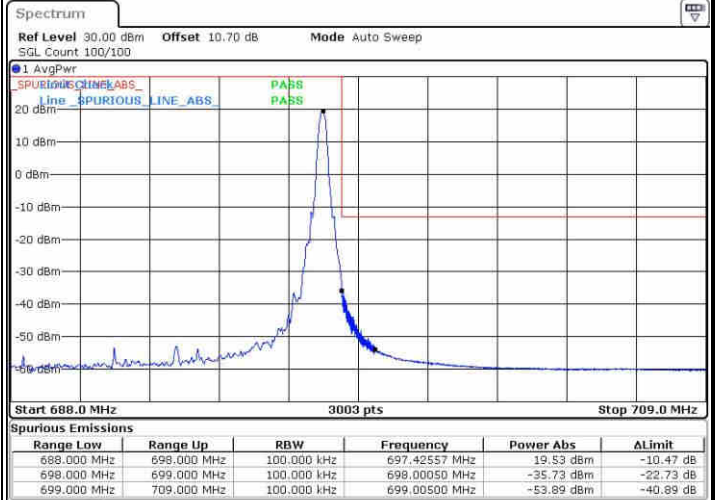
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 7.MAY.2019 06:35:20

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:39:09

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:36:06

Highest Band Edge / Full RB

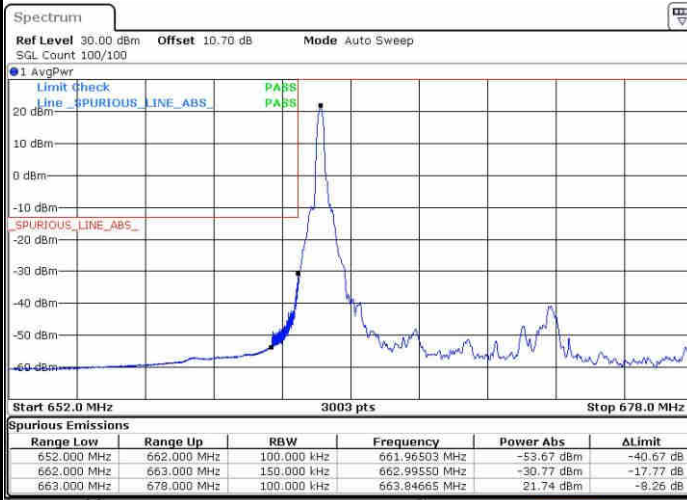


Date: 7.MAY.2019 06:39:55



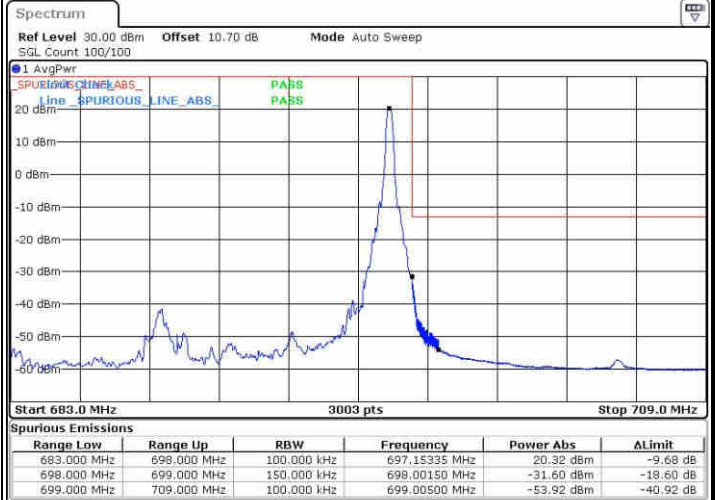
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



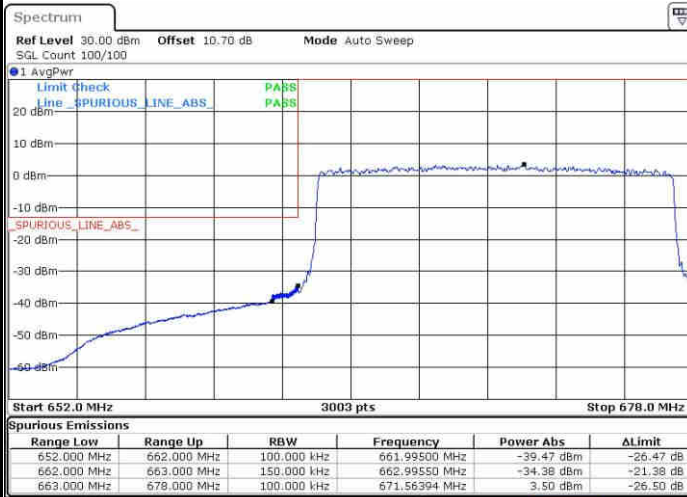
Date: 7.MAY.2019 06:42:16

Highest Band Edge / 1 RB



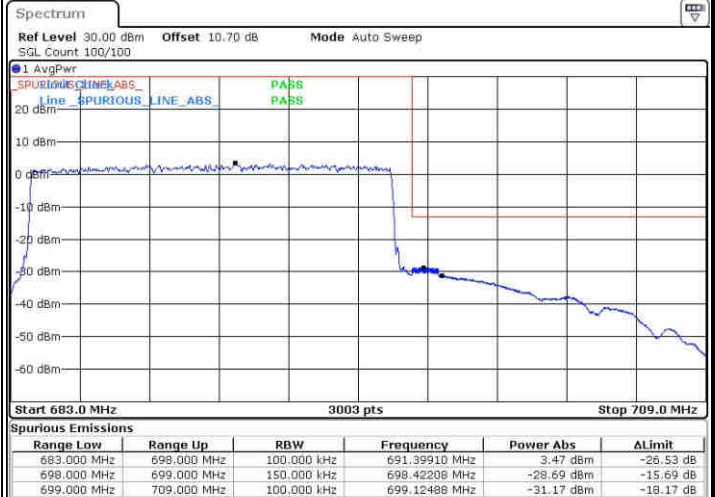
Date: 7.MAY.2019 06:49:56

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:43:48

Highest Band Edge / Full RB

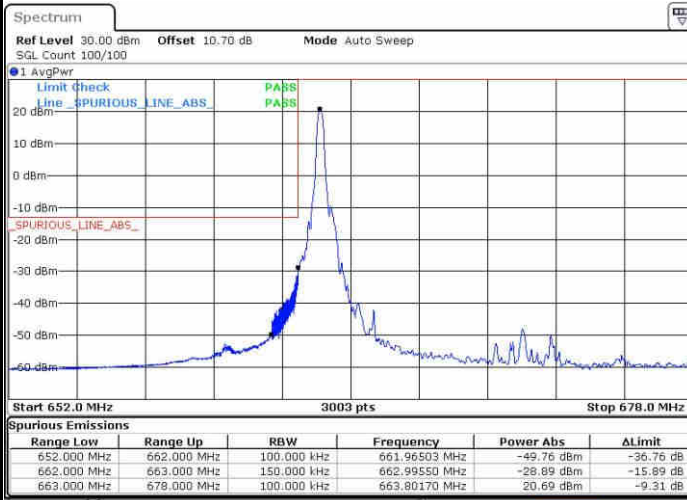


Date: 7.MAY.2019 06:51:28



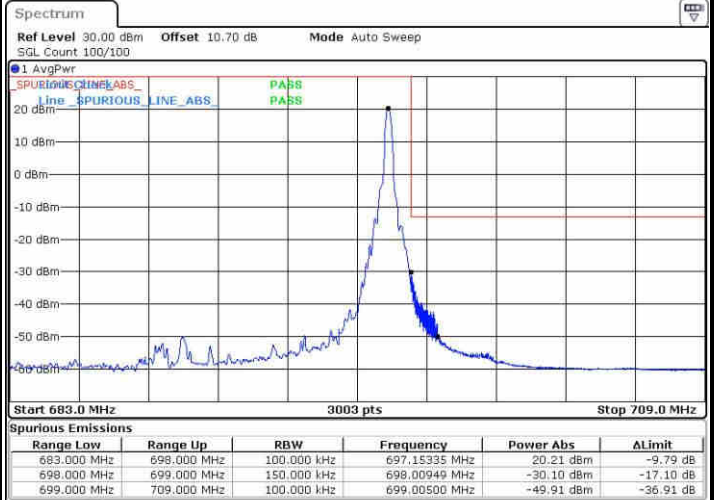
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



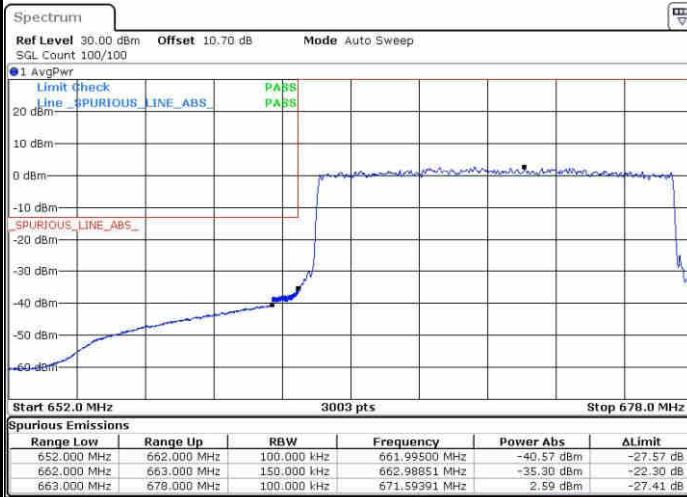
Date: 7.MAY.2019 06:43:02

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:50:42

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:44:34

Highest Band Edge / Full RB

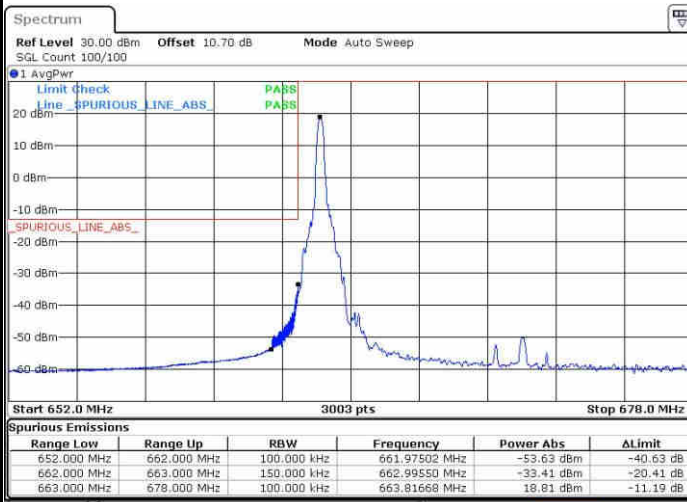


Date: 7.MAY.2019 06:52:14



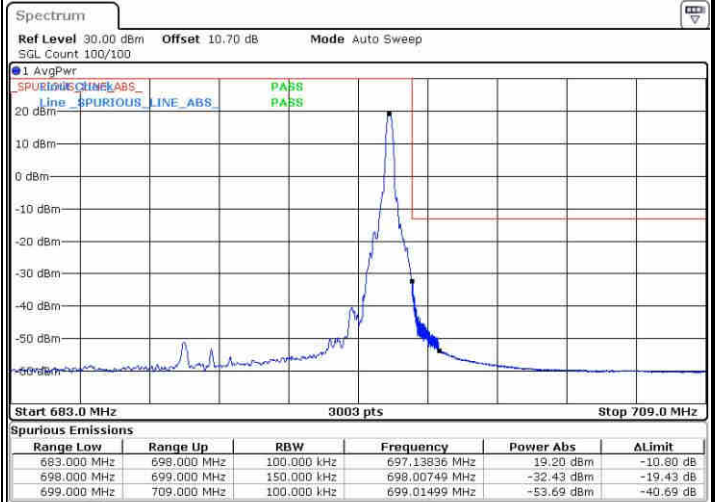
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



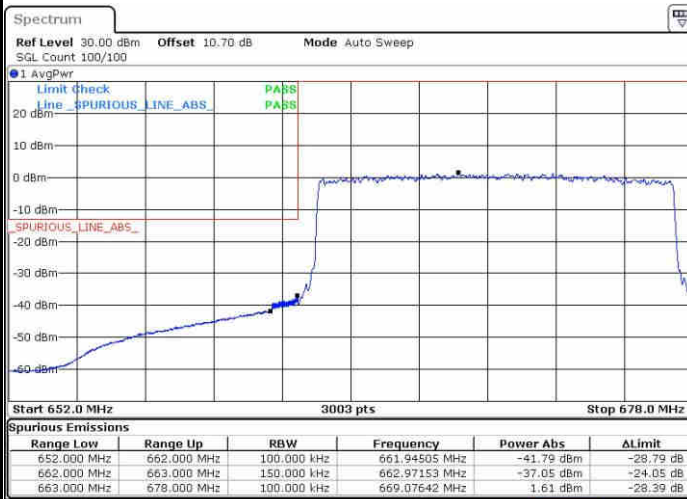
Date: 7.MAY.2019 06:54:54

Highest Band Edge / 1 RB



Date: 7.MAY.2019 06:58:44

Lowest Band Edge / Full RB



Date: 7.MAY.2019 06:55:41

Highest Band Edge / Full RB

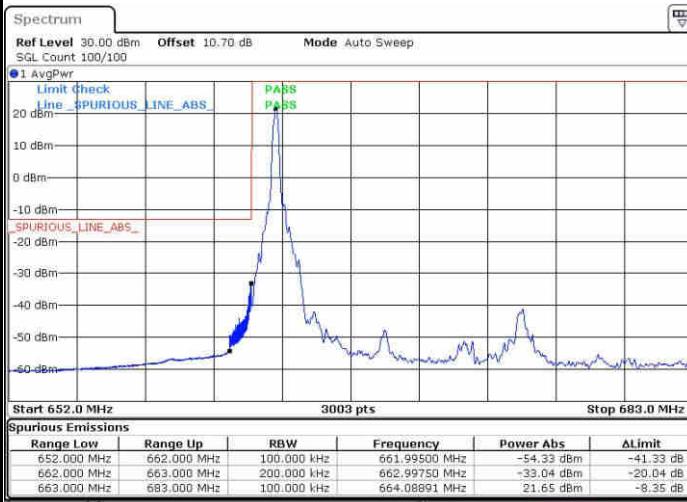


Date: 7.MAY.2019 06:59:30



LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



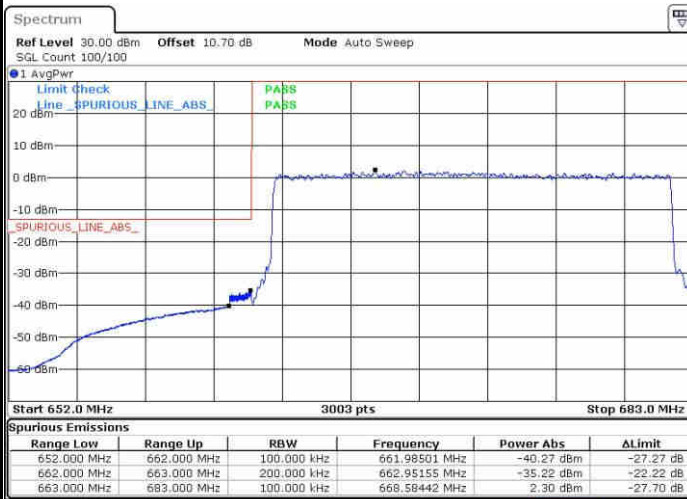
Date: 7.MAY.2019 07:01:51

Highest Band Edge / 1 RB



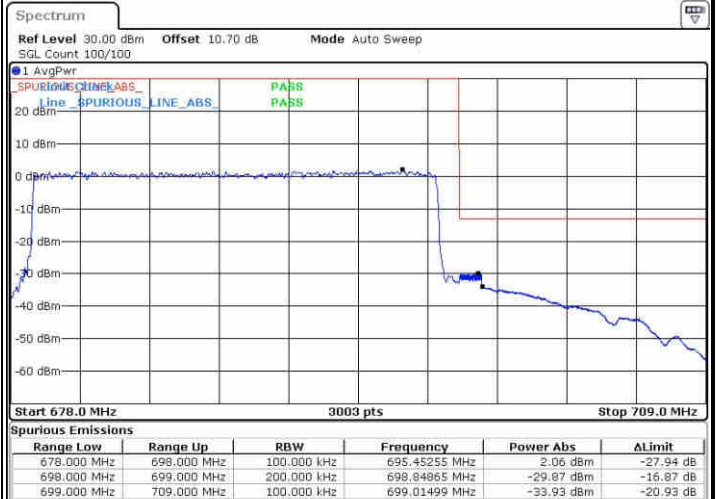
Date: 7.MAY.2019 07:09:30

Lowest Band Edge / Full RB



Date: 7.MAY.2019 07:03:23

Highest Band Edge / Full RB

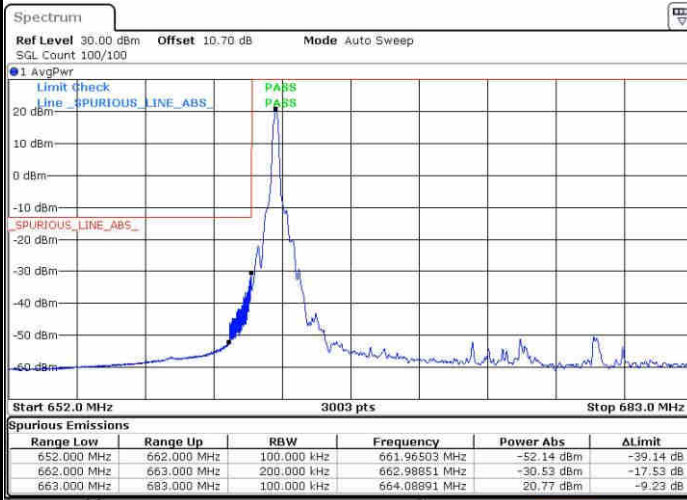


Date: 7.MAY.2019 07:11:48



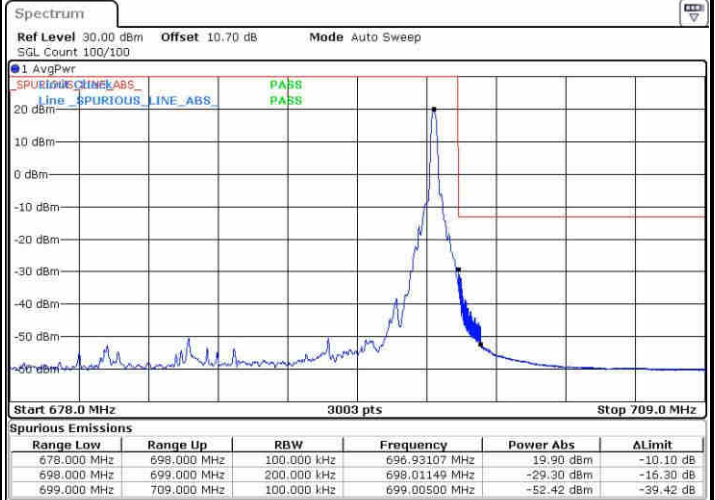
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



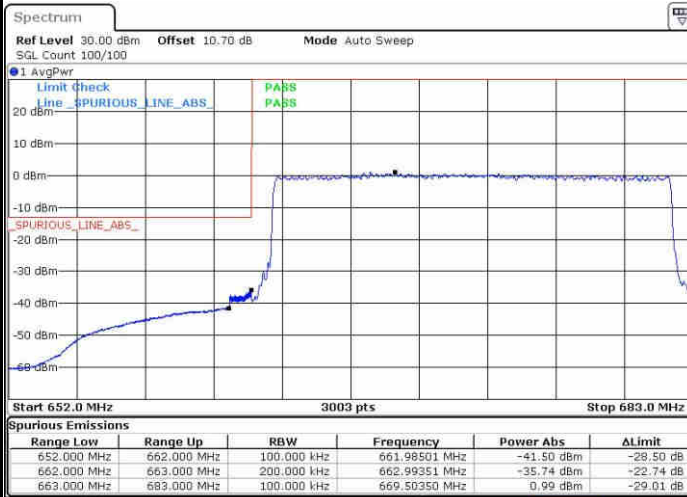
Date: 7.MAY.2019 07:02:37

Highest Band Edge / 1RB



Date: 7.MAY.2019 07:10:16

Lowest Band Edge / Full RB



Date: 7.MAY.2019 07:04:09

Highest Band Edge / Full RB

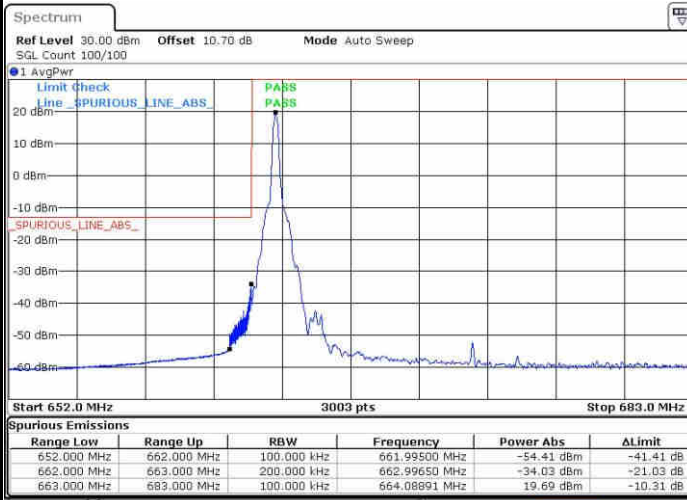


Date: 7.MAY.2019 07:11:02



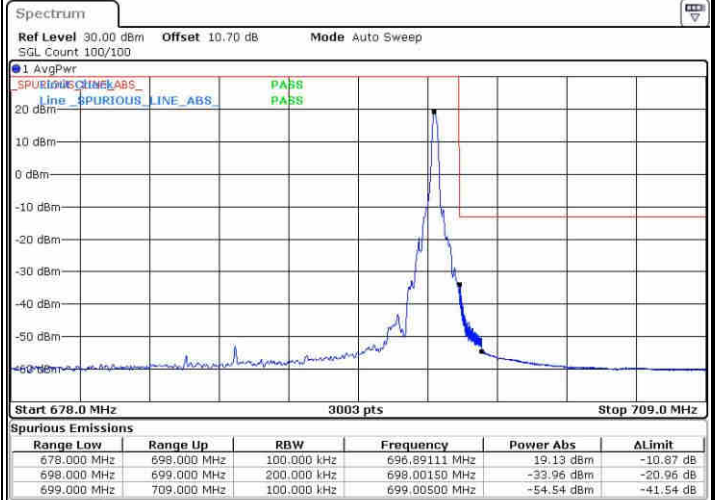
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



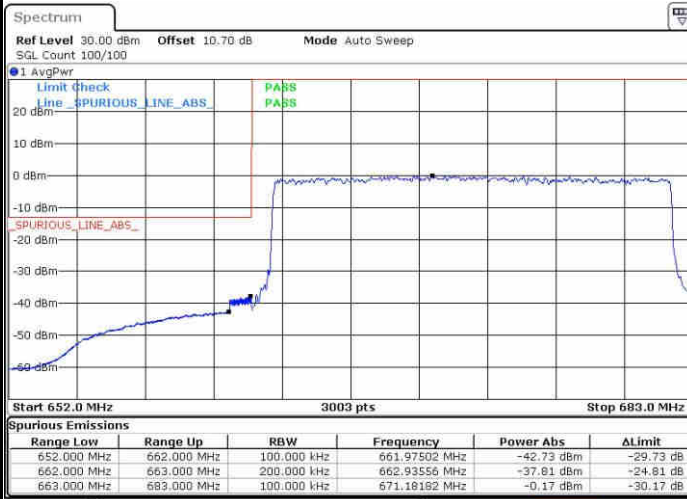
Date: 7.MAY.2019 07:14:28

Highest Band Edge / 1 RB



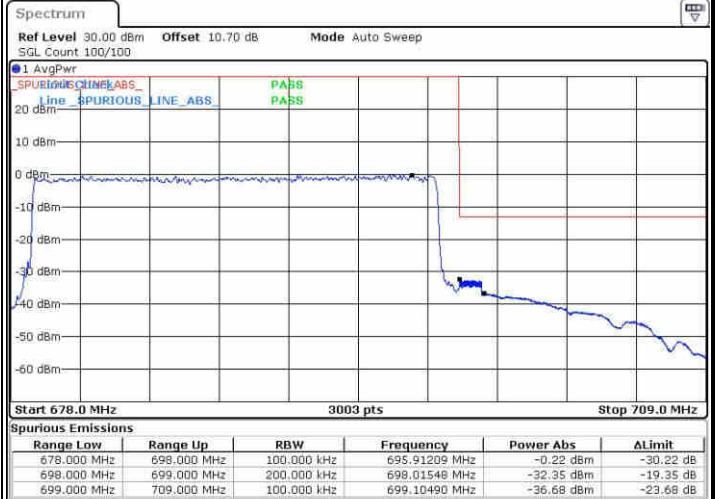
Date: 7.MAY.2019 07:18:18

Lowest Band Edge / Full RB



Date: 7.MAY.2019 07:15:14

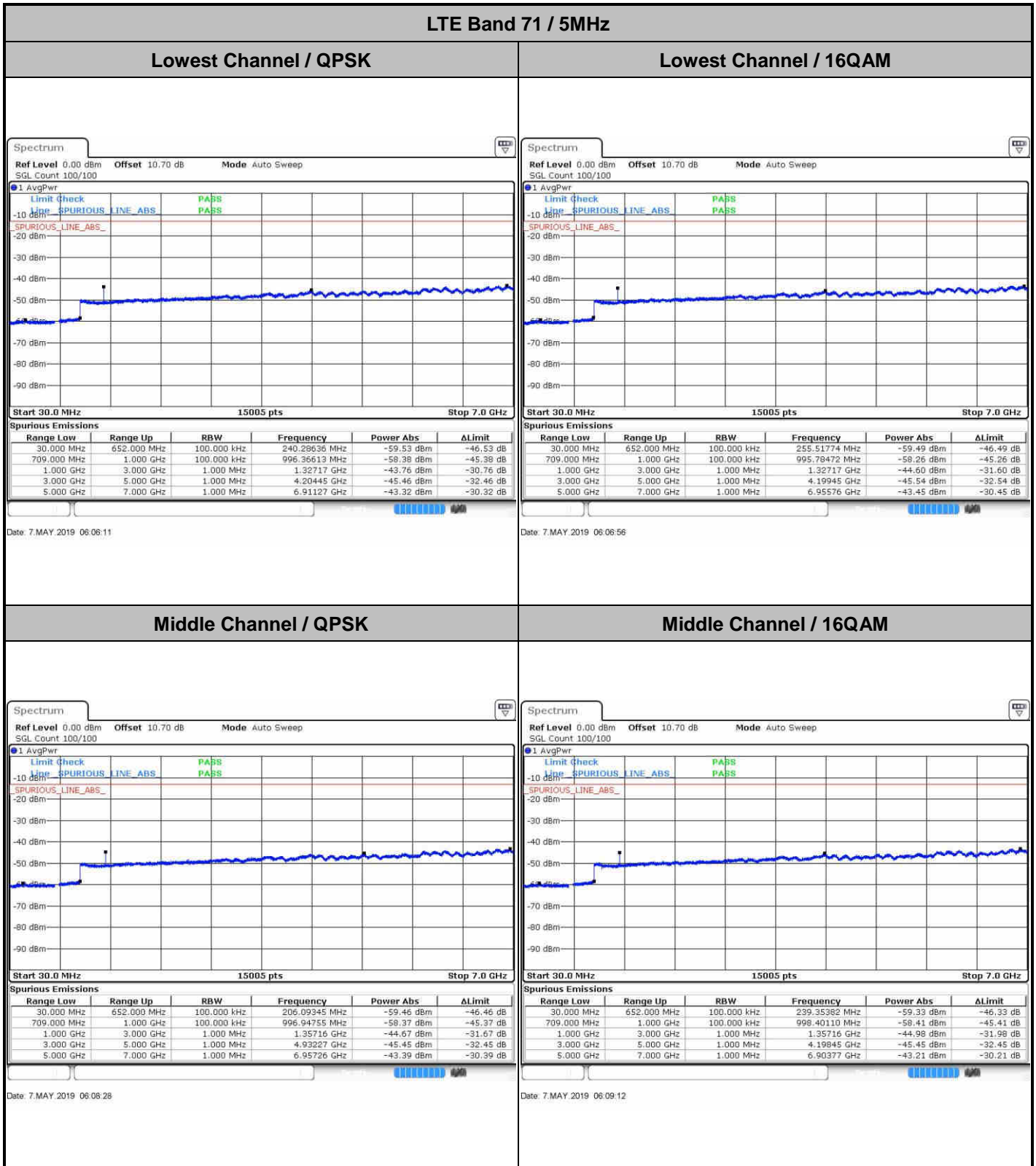
Highest Band Edge / Full RB



Date: 7.MAY.2019 07:19:04



# Conducted Spurious Emission

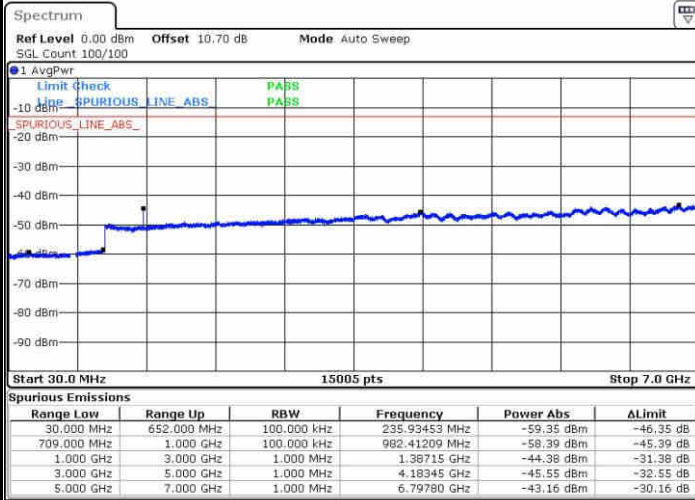






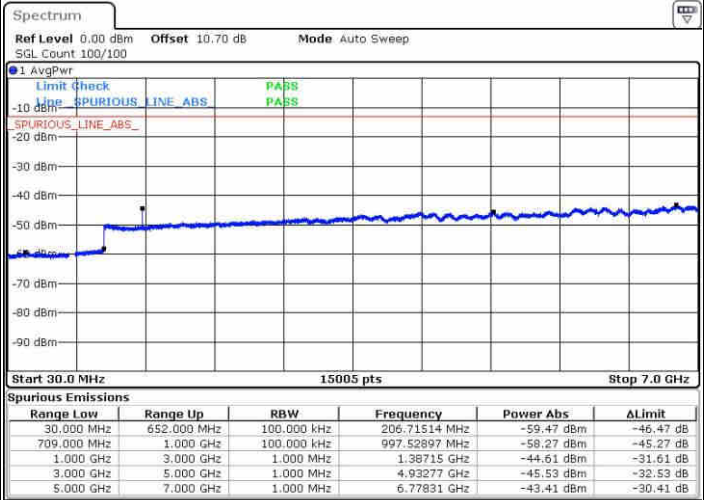
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 7.MAY.2019 06:13:51

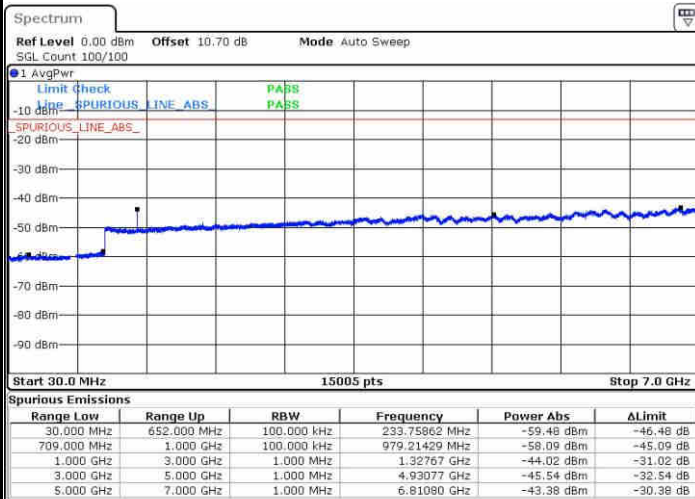
Highest Channel / 16QAM



Date: 7.MAY.2019 06:14:36

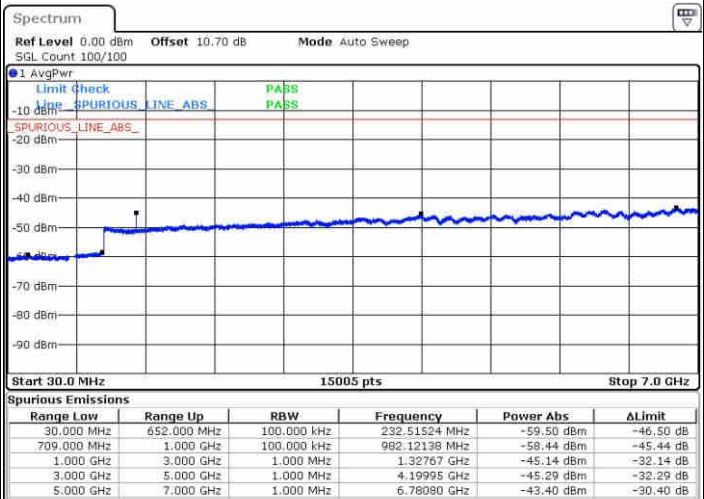
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 7.MAY.2019 06:25:45

Lowest Channel / 16QAM



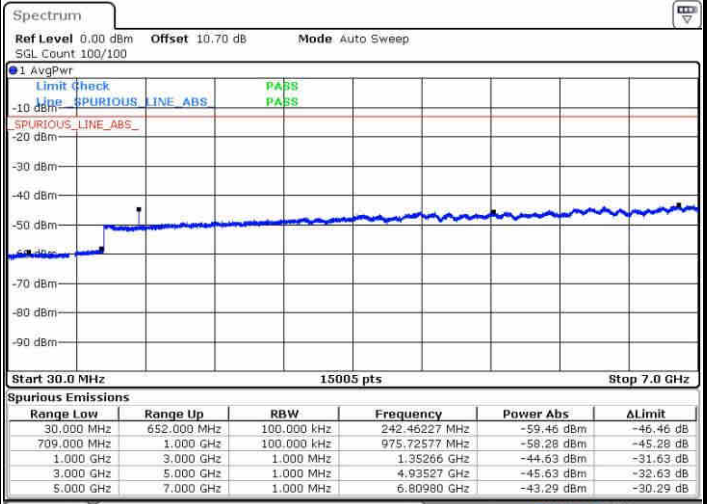
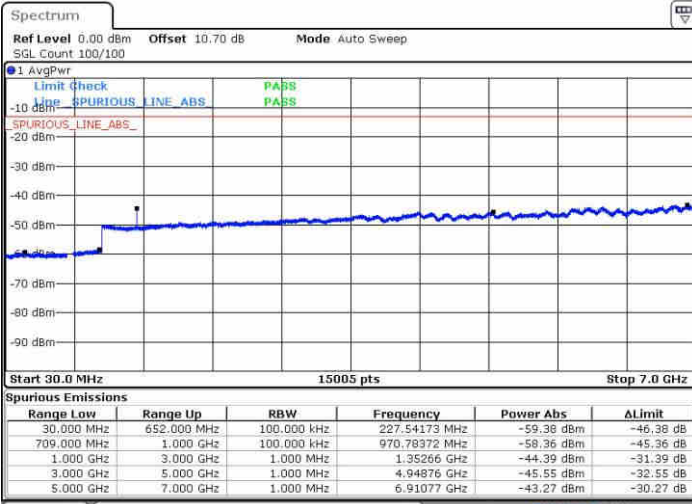
Date: 7.MAY.2019 06:26:30



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

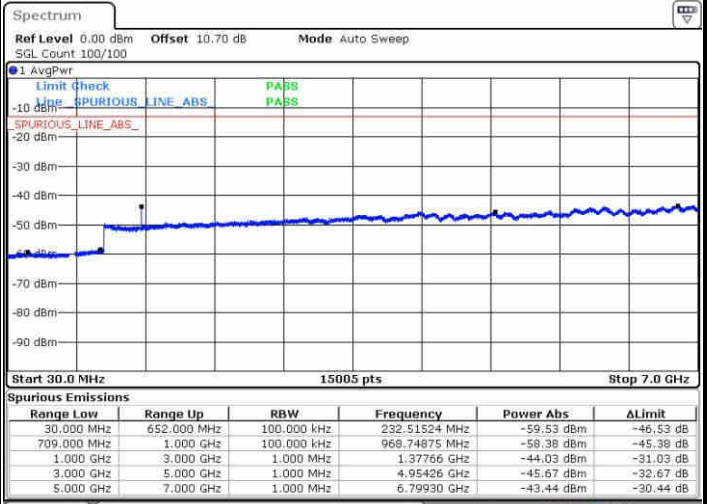
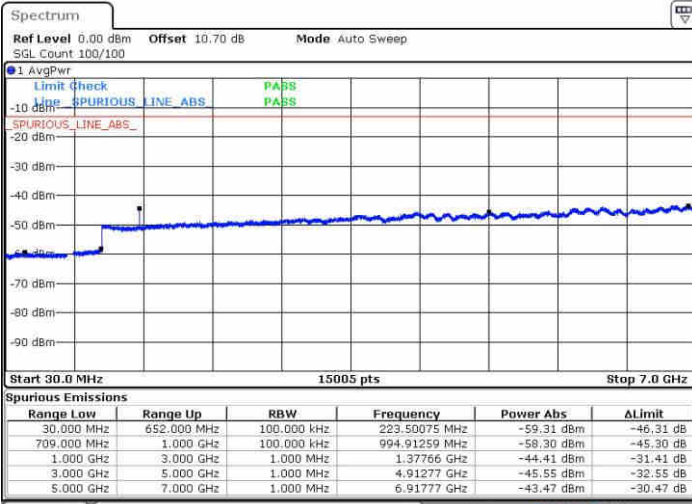


Date: 7.MAY.2019 06:28:02

Date: 7.MAY.2019 06:28:46

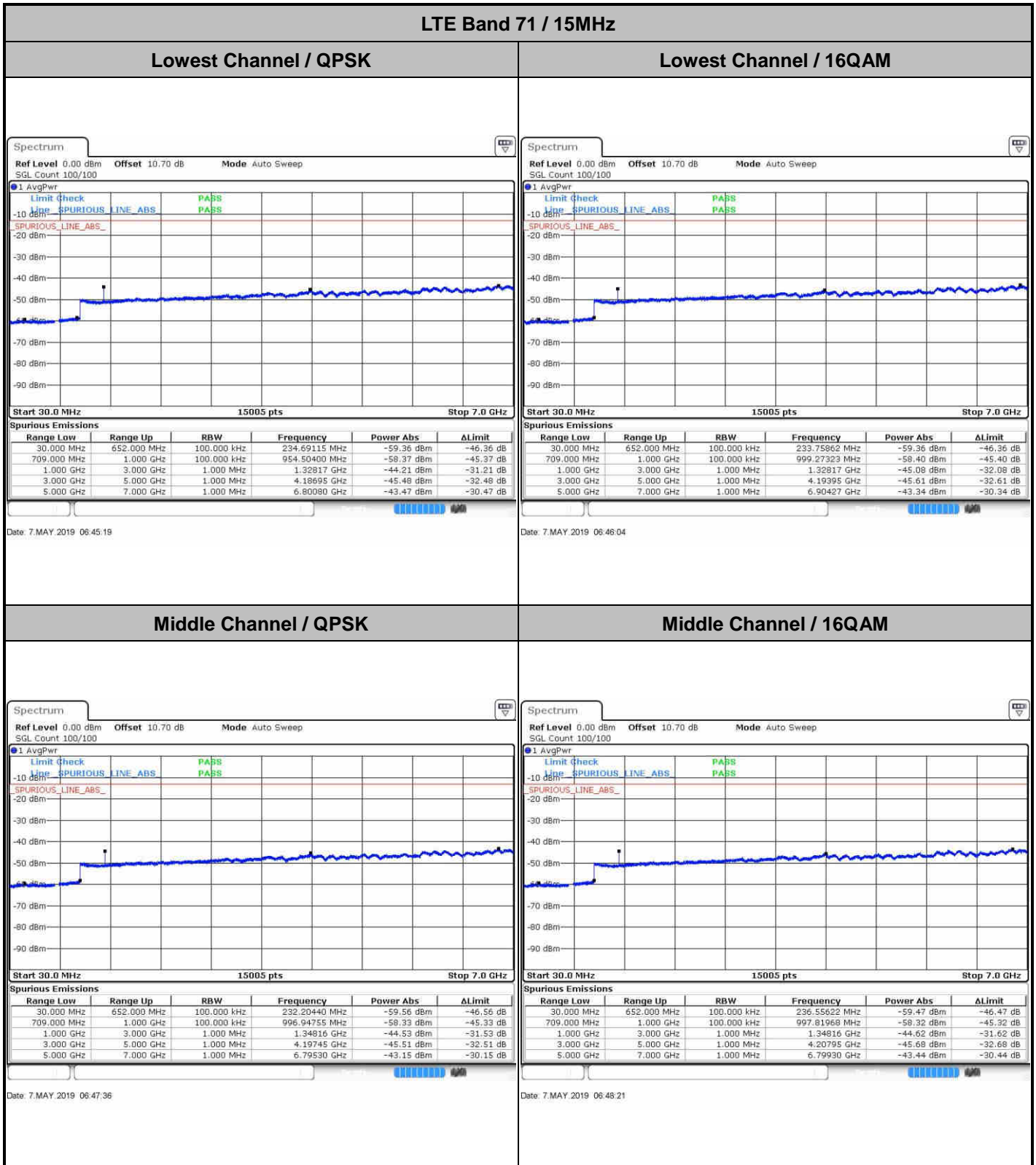
Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAY.2019 06:33:25

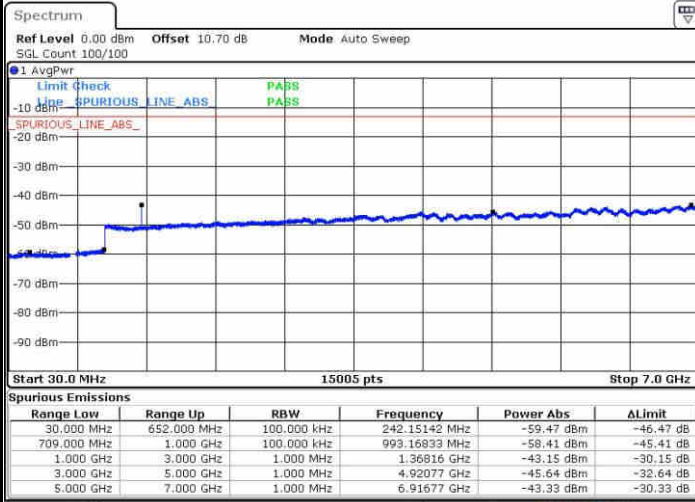
Date: 7.MAY.2019 06:34:09





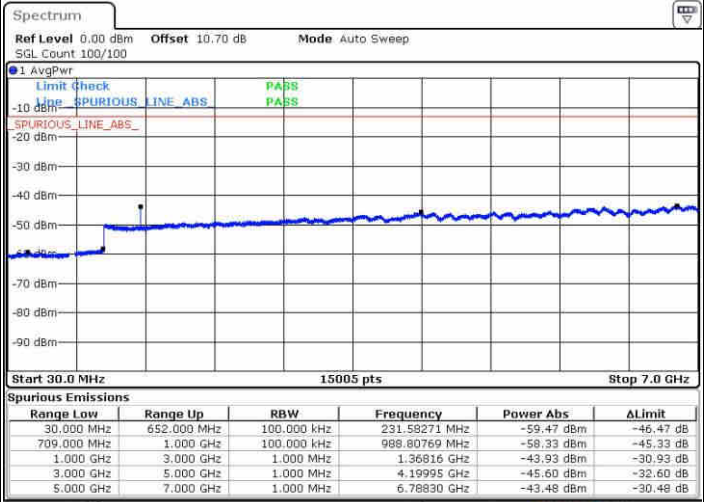
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 7.MAY.2019 06:52:59

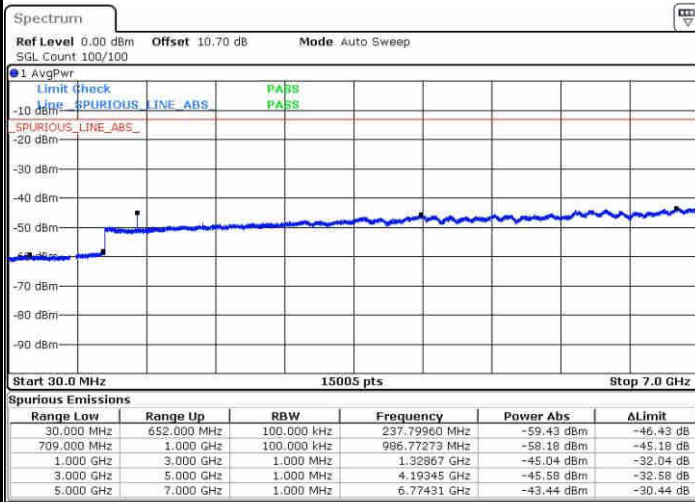
Highest Channel / 16QAM



Date: 7.MAY.2019 06:53:44

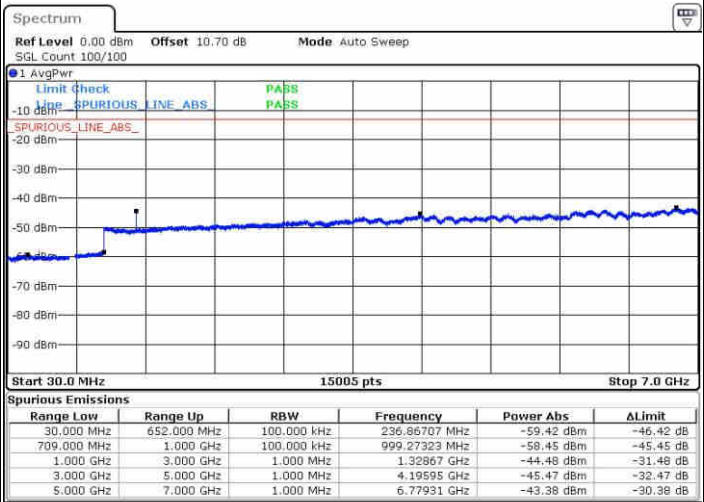
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 7.MAY.2019 07:04:54

Lowest Channel / 16QAM



Date: 7.MAY.2019 07:05:39