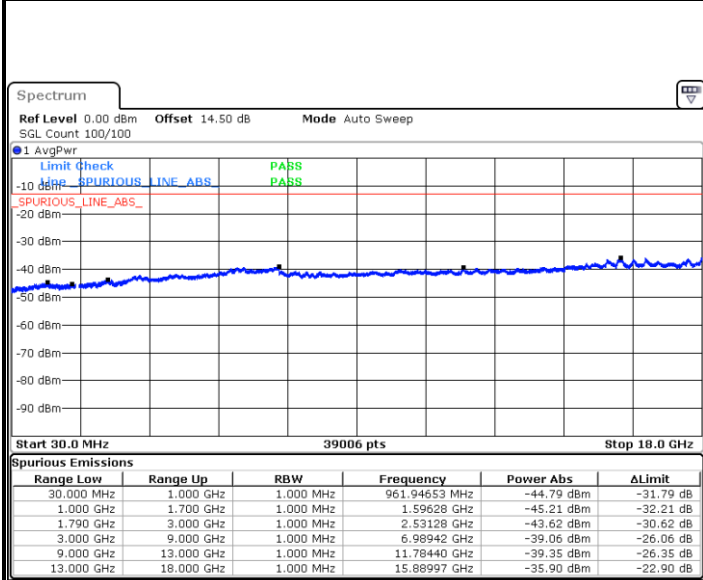




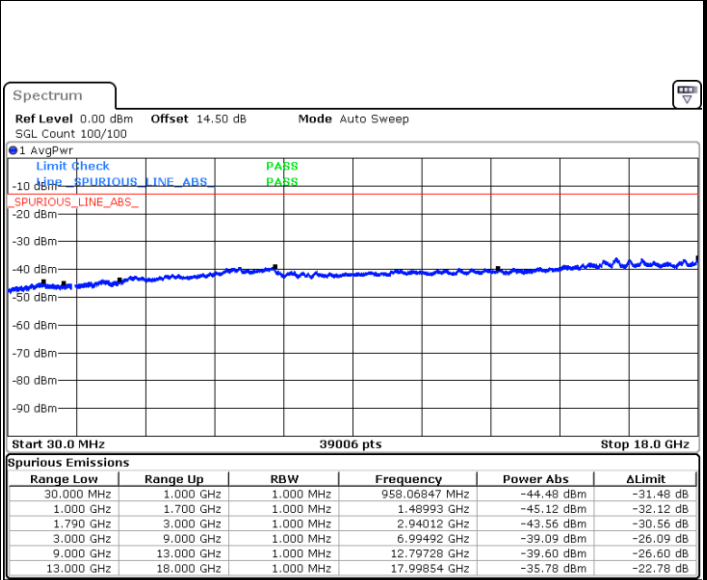
LTE Band 66 / 3MHz

Middle Channel / QPSK



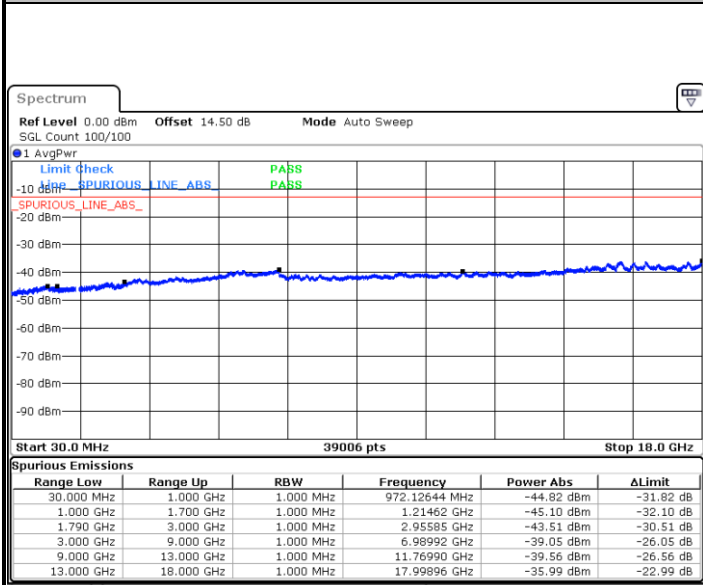
Date: 28.NOV.2022 12:37:18

Middle Channel / 16QAM



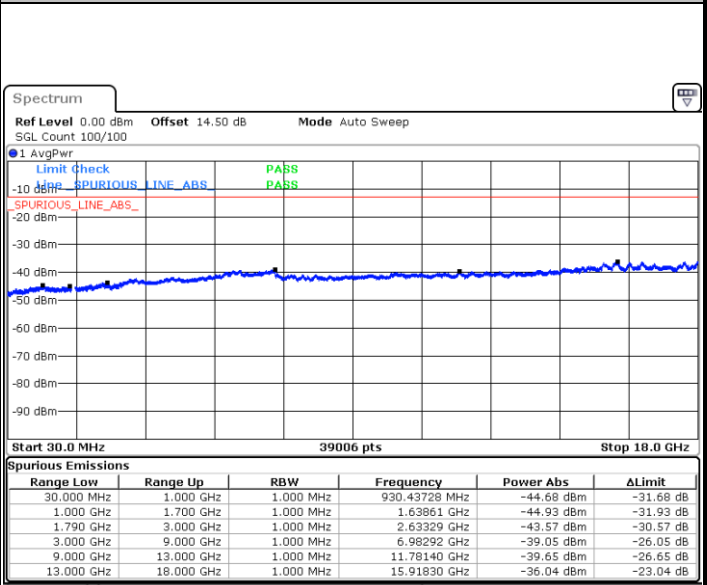
Date: 28.NOV.2022 12:38:16

Highest Channel / QPSK



Date: 28.NOV.2022 12:45:27

Highest Channel / 16QAM



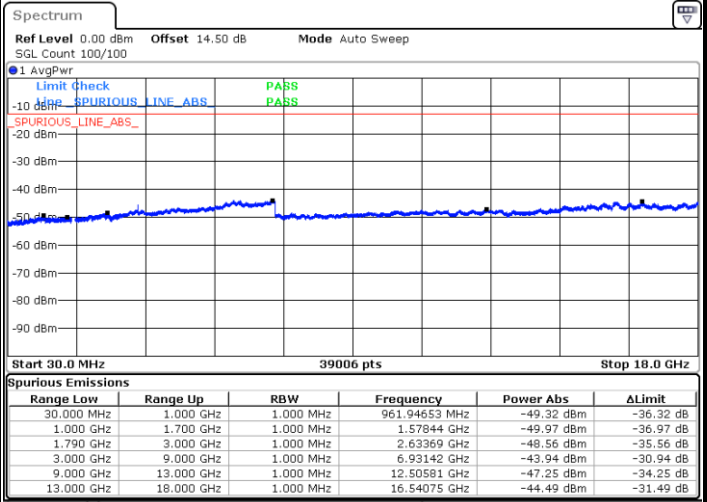
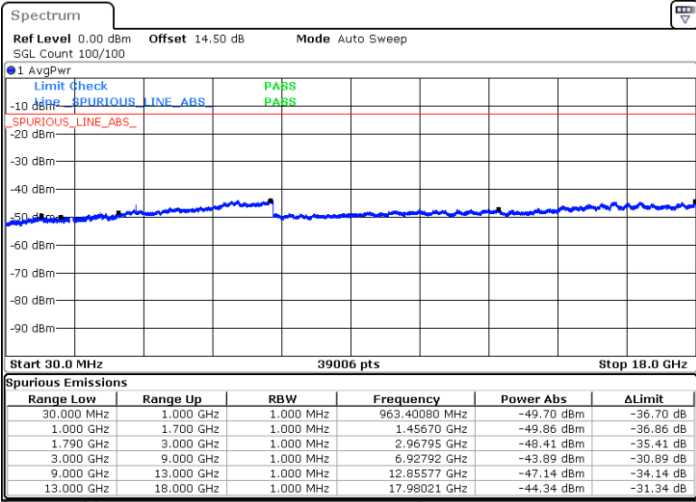
Date: 28.NOV.2022 12:46:25



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

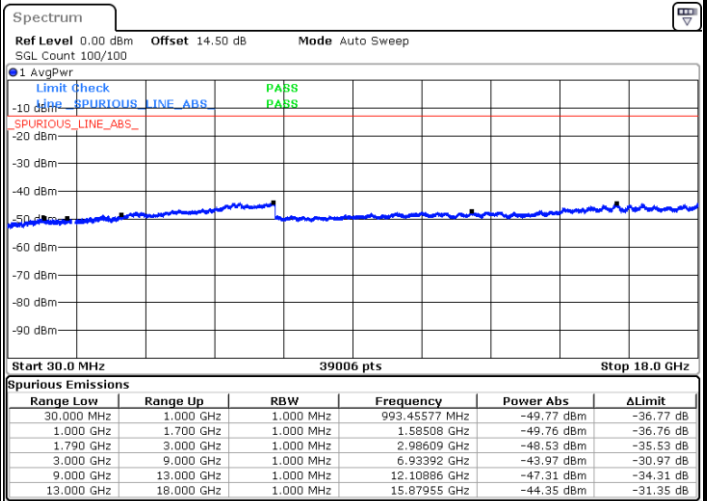
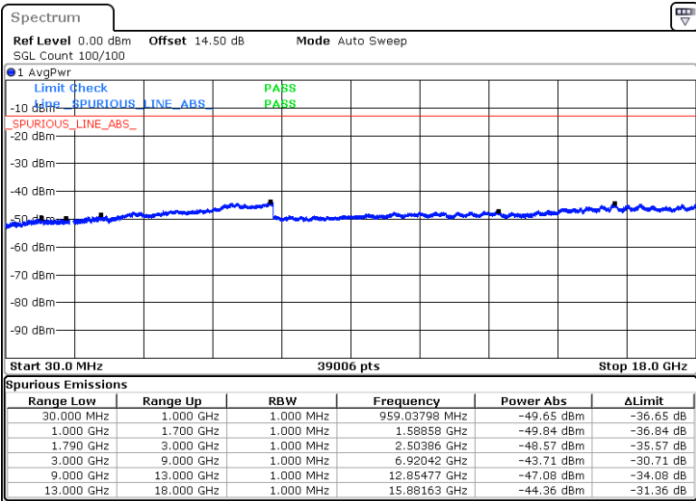


Date: 28.NOV.2022 13:06:28

Date: 28.NOV.2022 13:07:27

Middle Channel / QPSK

Middle Channel / 16QAM



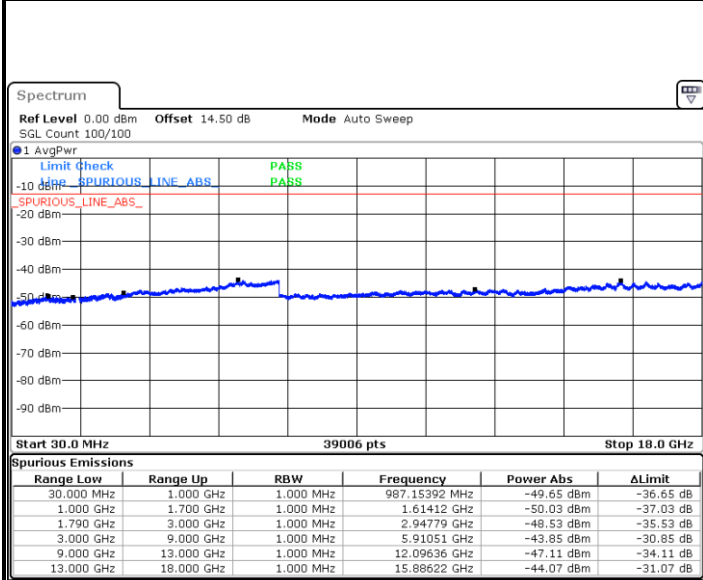
Date: 28.NOV.2022 13:08:25

Date: 28.NOV.2022 13:09:23



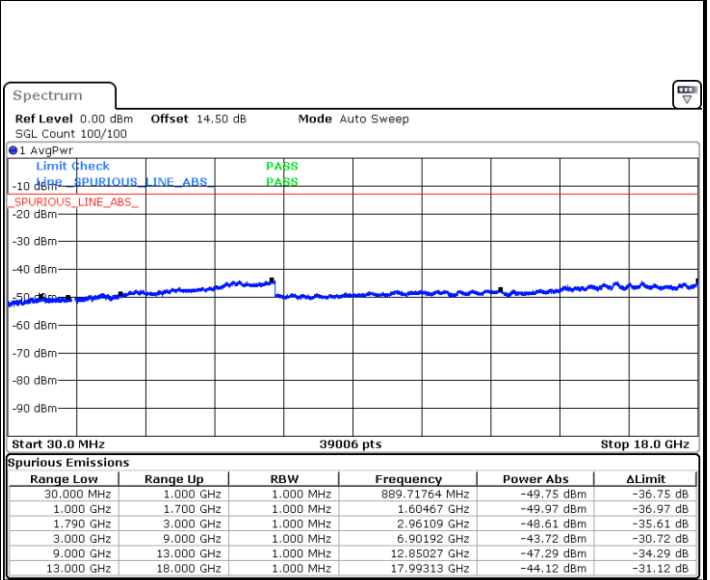
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 28.NOV.2022 13:13:54

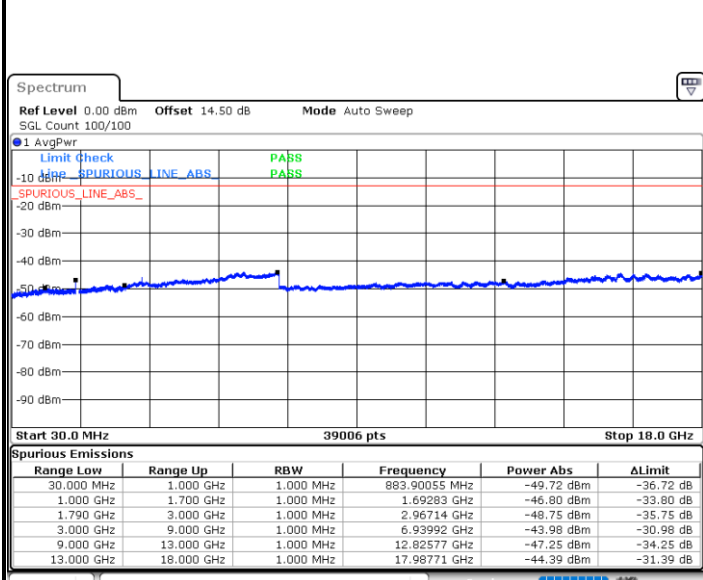
Highest Channel / 16QAM



Date: 28.NOV.2022 13:14:52

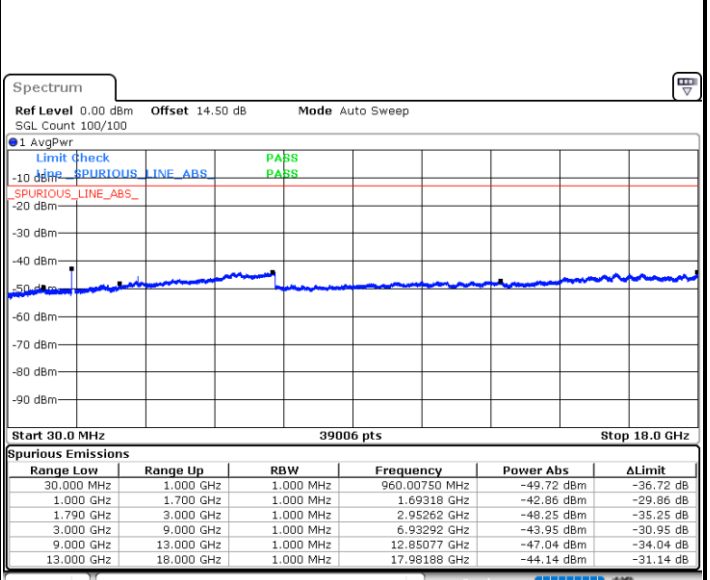
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 28.NOV.2022 13:19:24

Lowest Channel / 16QAM



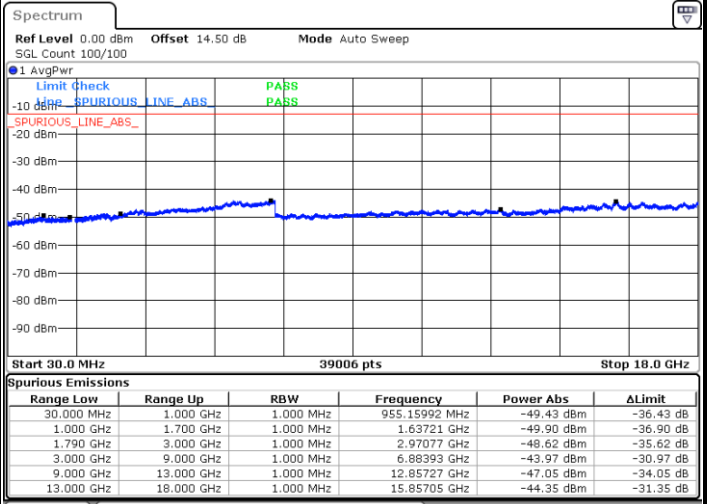
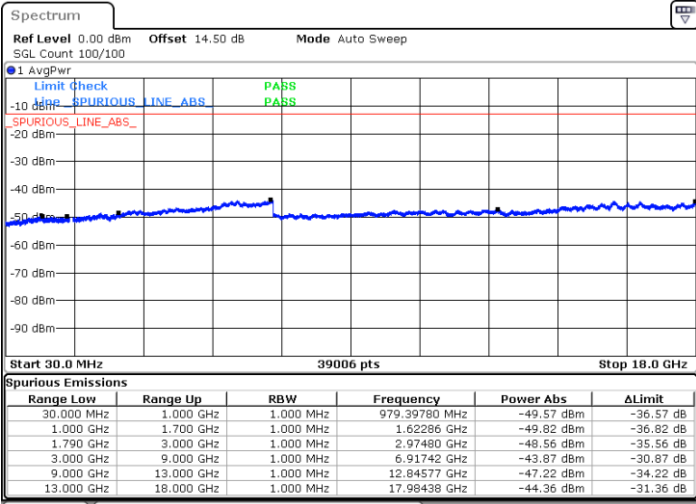
Date: 28.NOV.2022 13:20:22



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

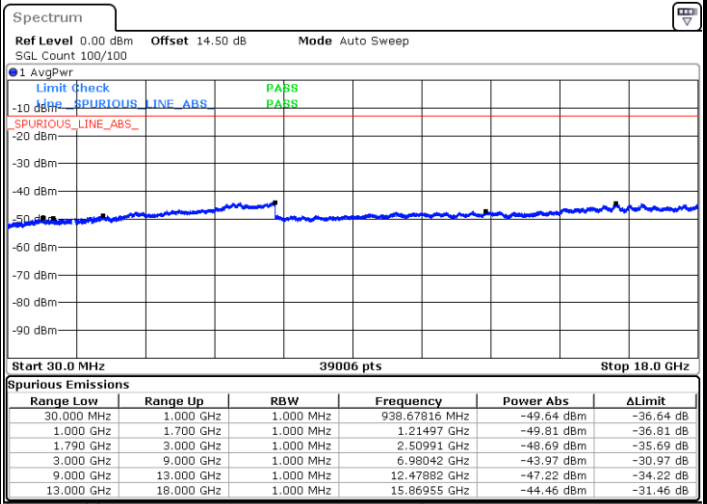
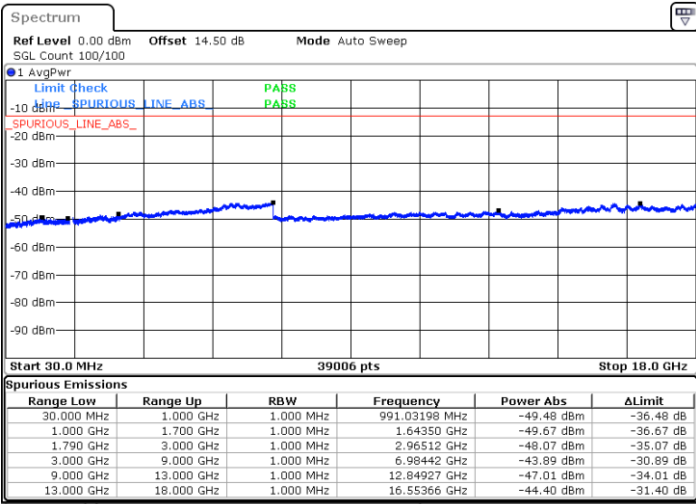


Date: 28.NOV.2022 13:21:20

Date: 28.NOV.2022 13:22:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.NOV.2022 13:26:49

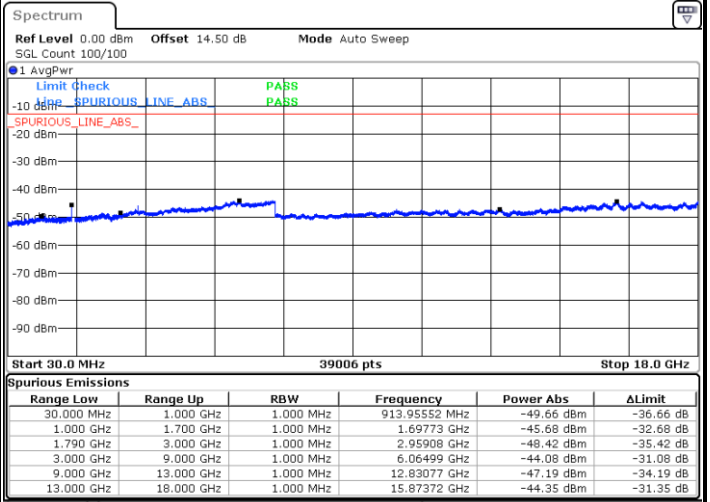
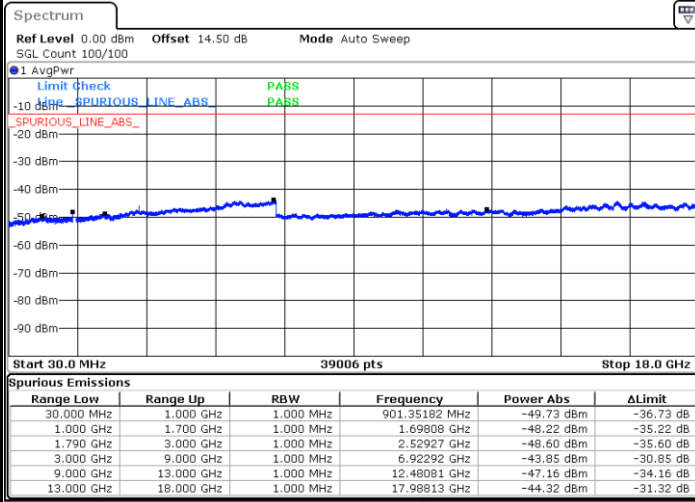
Date: 28.NOV.2022 13:27:47



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

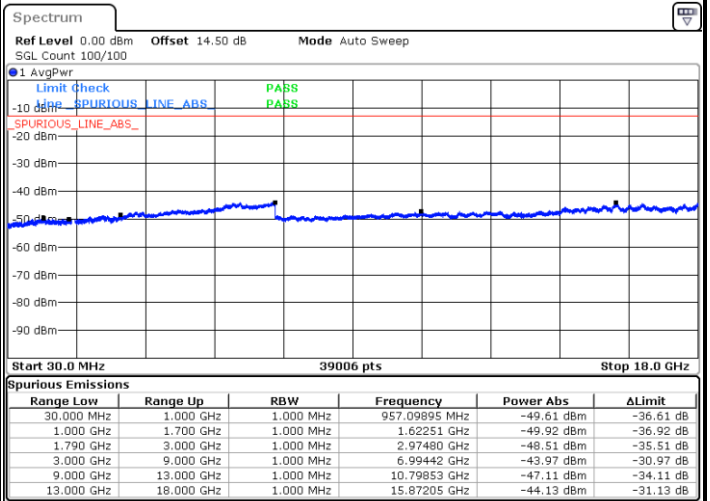
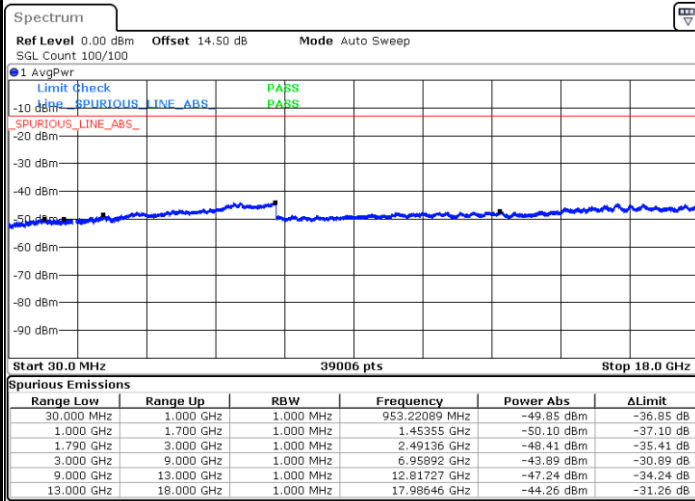


Date: 28.NOV.2022 13:43:52

Date: 28.NOV.2022 13:44:50

Middle Channel / QPSK

Middle Channel / 16QAM



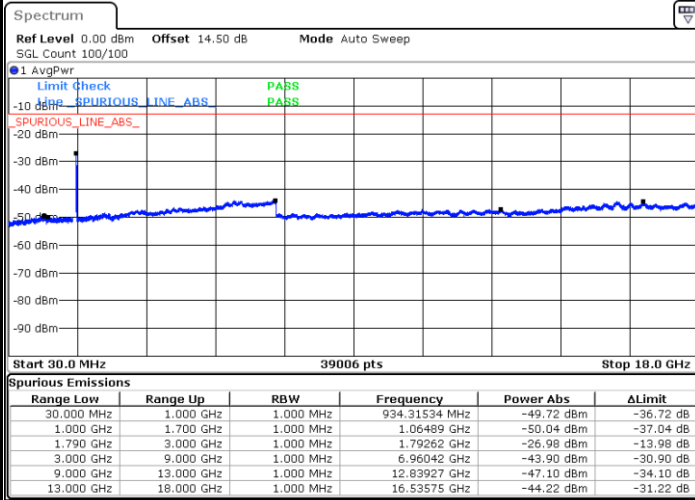
Date: 28.NOV.2022 13:45:48

Date: 28.NOV.2022 13:46:46



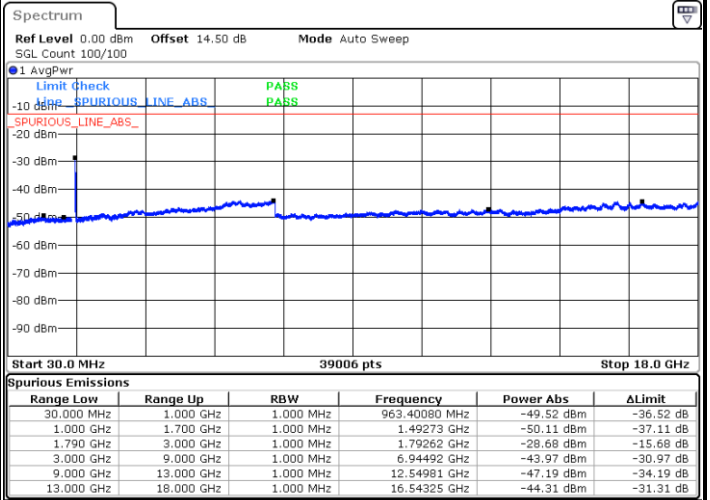
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 28.NOV.2022 13:50:35

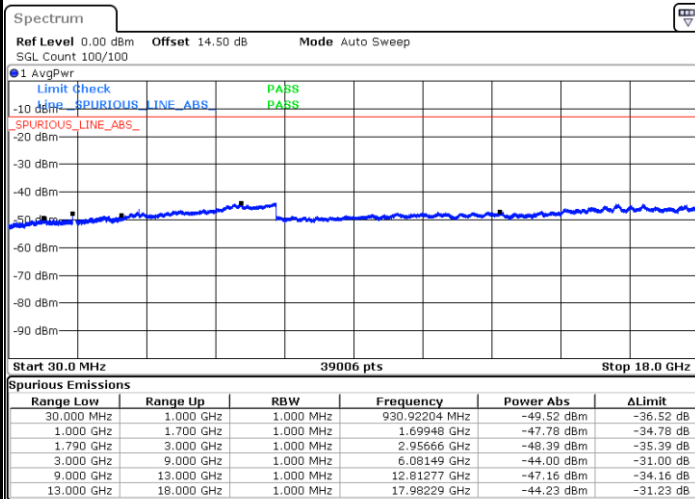
Highest Channel / 16QAM



Date: 28.NOV.2022 13:51:33

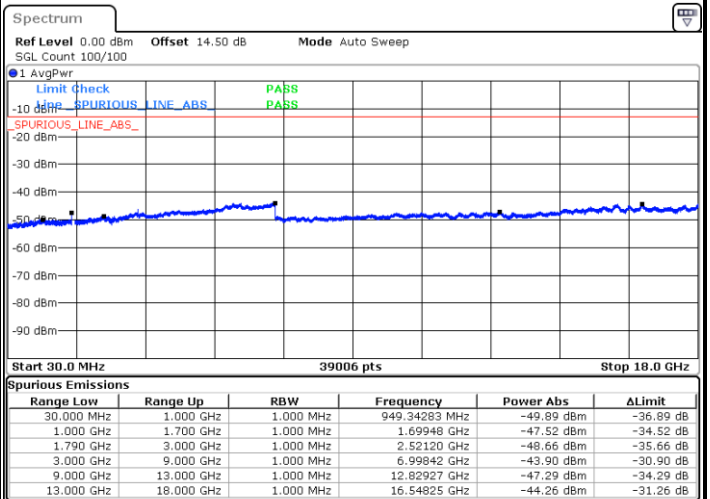
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 28.NOV.2022 13:55:26

Lowest Channel / 16QAM



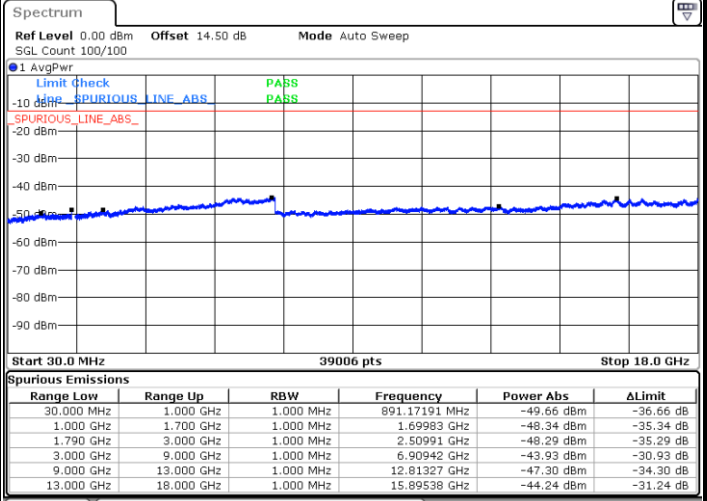
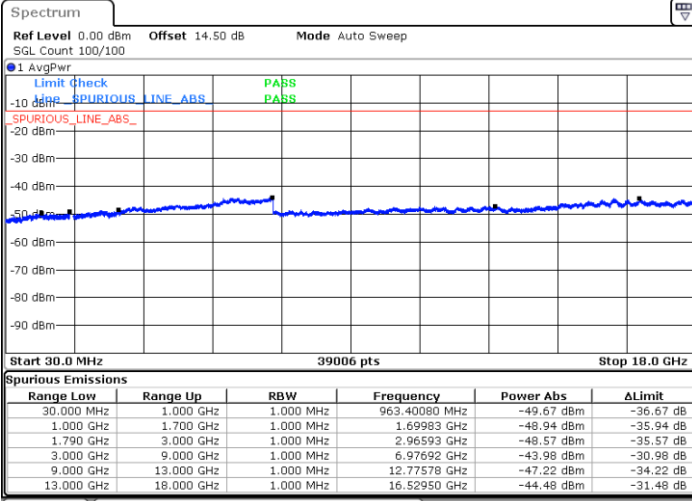
Date: 28.NOV.2022 13:56:24



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

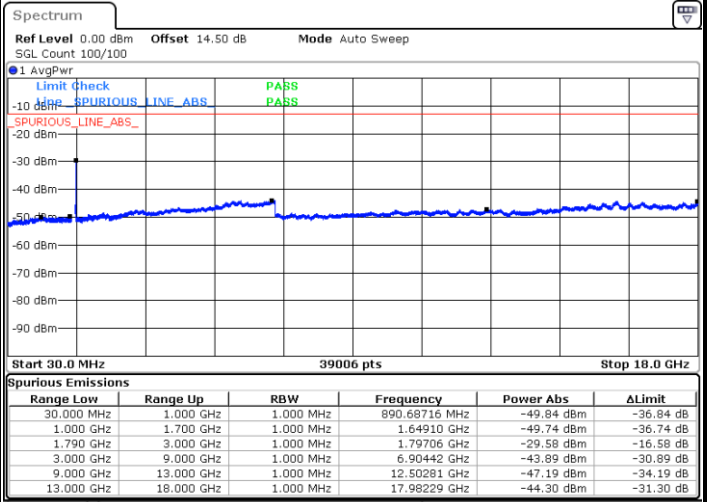
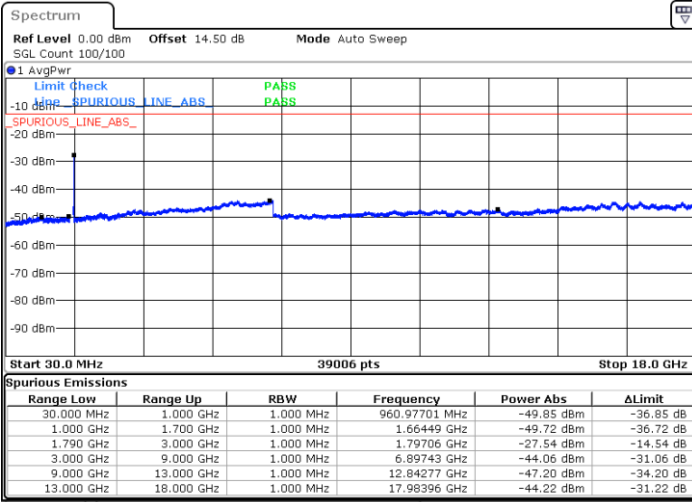


Date: 28.NOV.2022 13:57:23

Date: 28.NOV.2022 13:58:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.NOV.2022 14:02:12

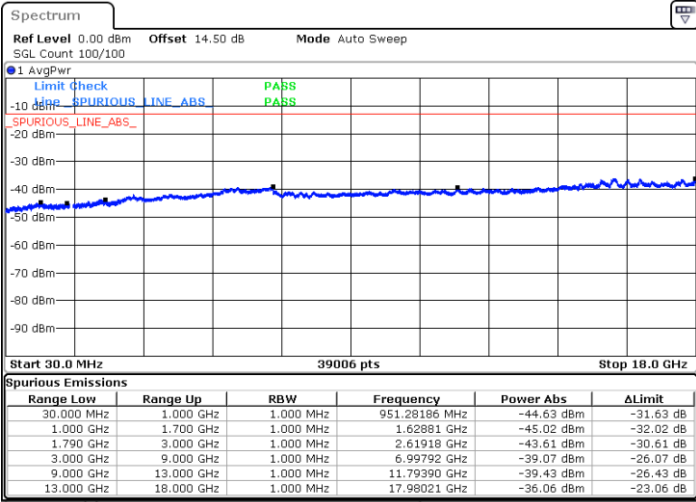
Date: 28.NOV.2022 14:03:10



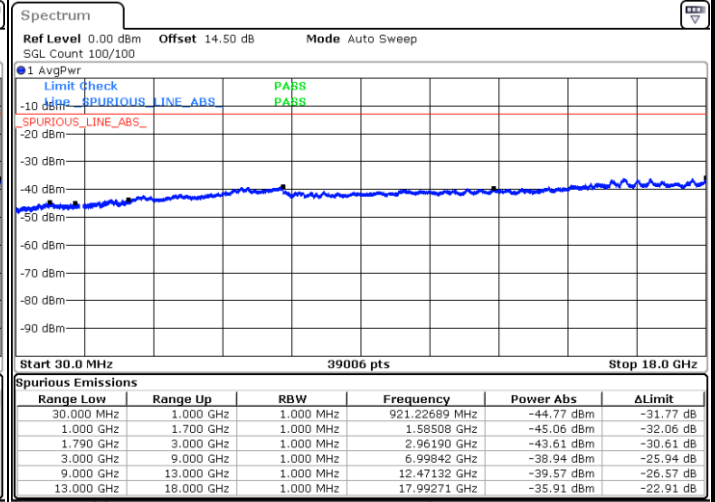
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

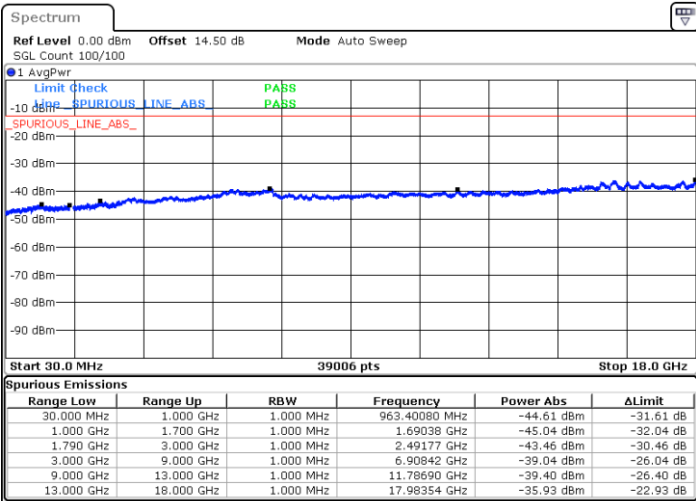


Date: 28.NOV.2022 12:23:07



Date: 28.NOV.2022 12:24:05

Highest Channel / 64QAM



Date: 28.NOV.2022 12:28:09

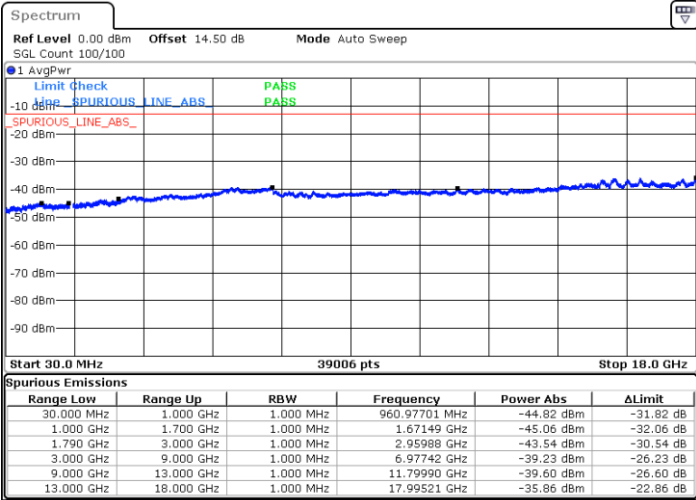




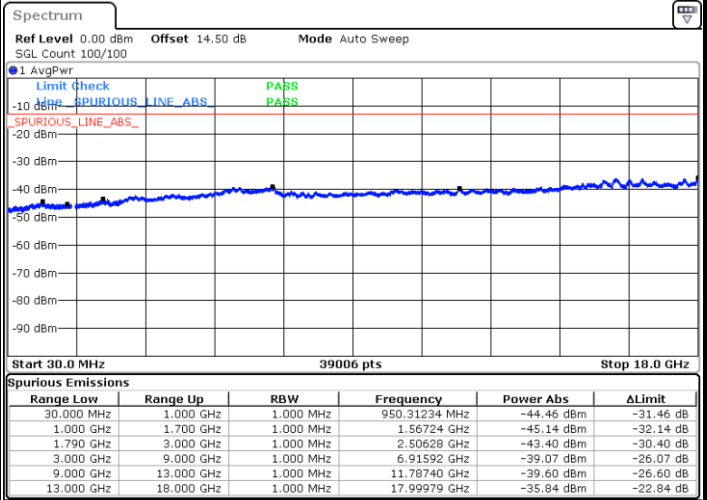
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

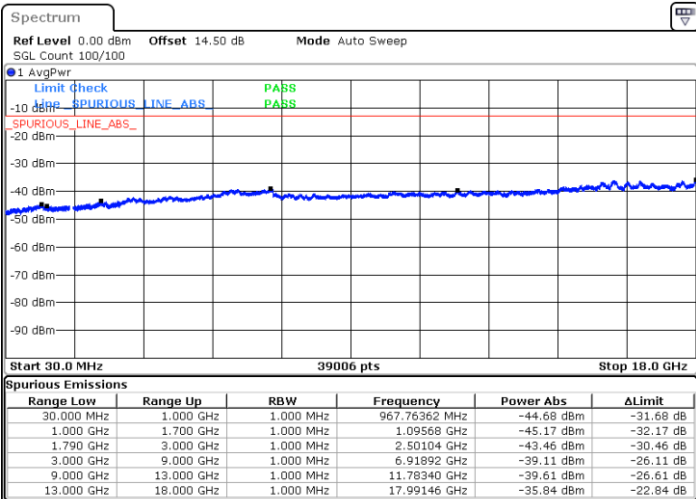


Date: 28.NOV.2022 12:50:29



Date: 28.NOV.2022 12:51:27

Highest Channel / 64QAM



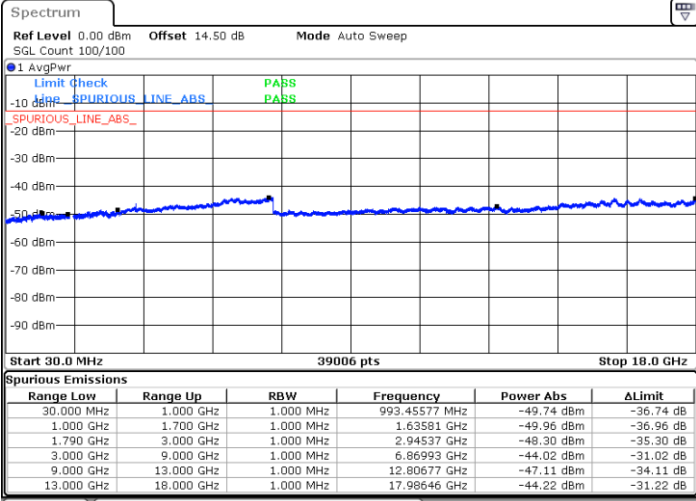
Date: 28.NOV.2022 12:55:32



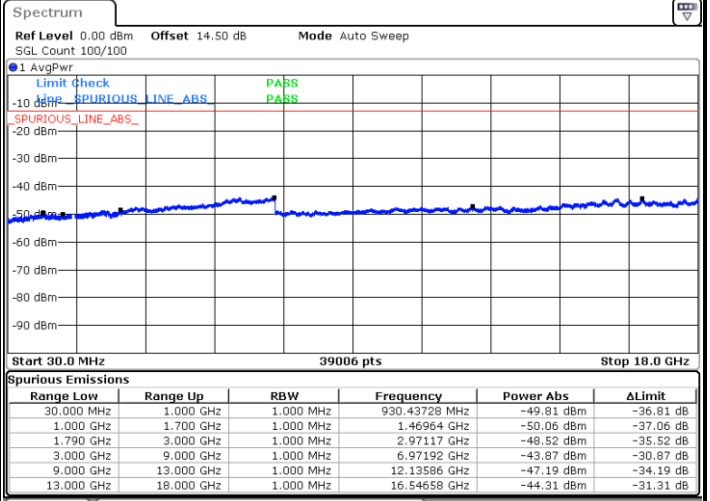
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

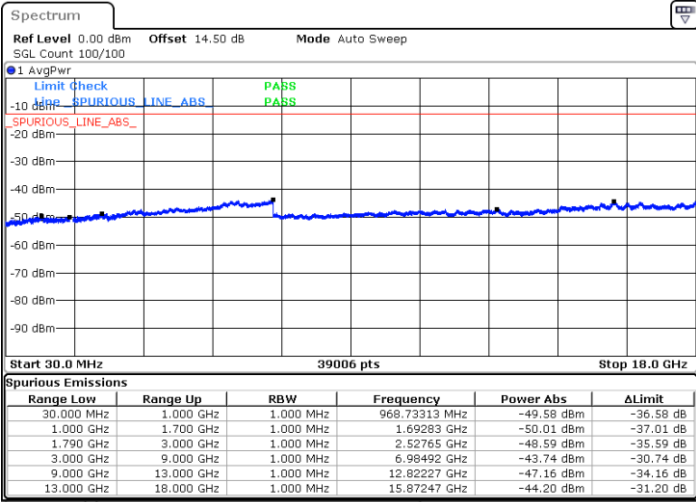


Date: 28.NOV.2022 12:58:16



Date: 28.NOV.2022 12:59:14

Highest Channel / 64QAM



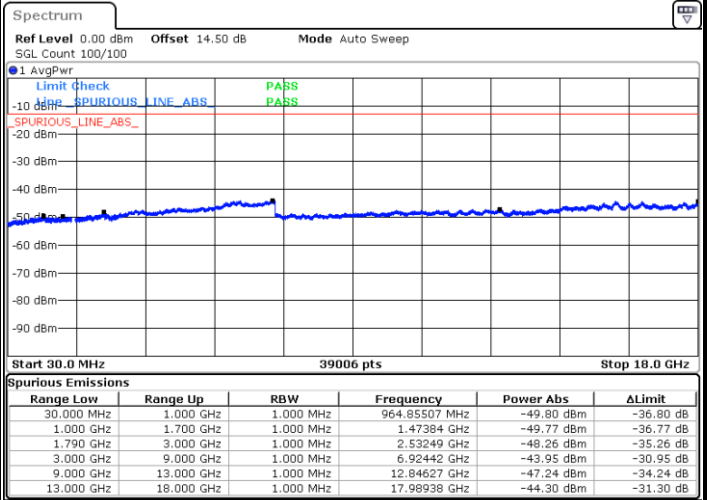
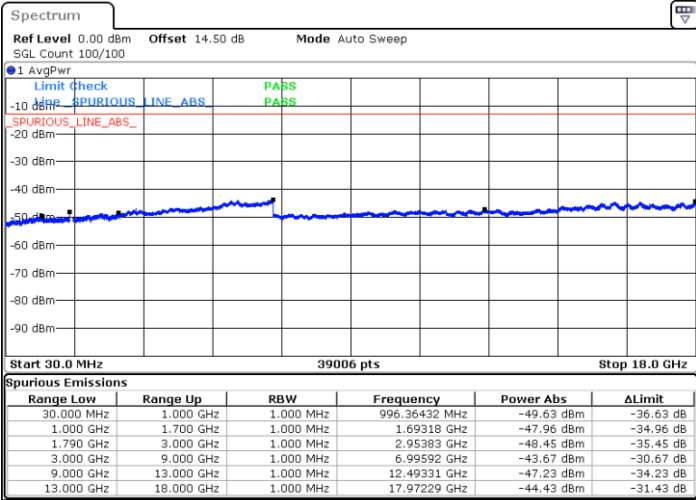
Date: 28.NOV.2022 13:01:58



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

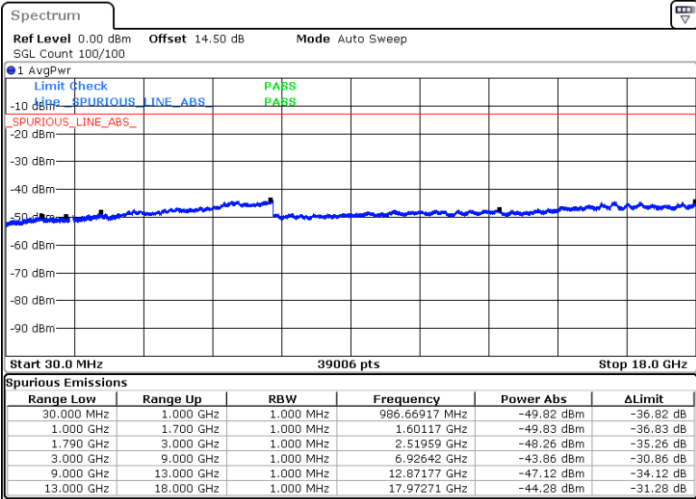
Middle Channel / 64QAM



Date: 28.NOV.2022 13:30:31

Date: 28.NOV.2022 13:31:29

Highest Channel / 64QAM

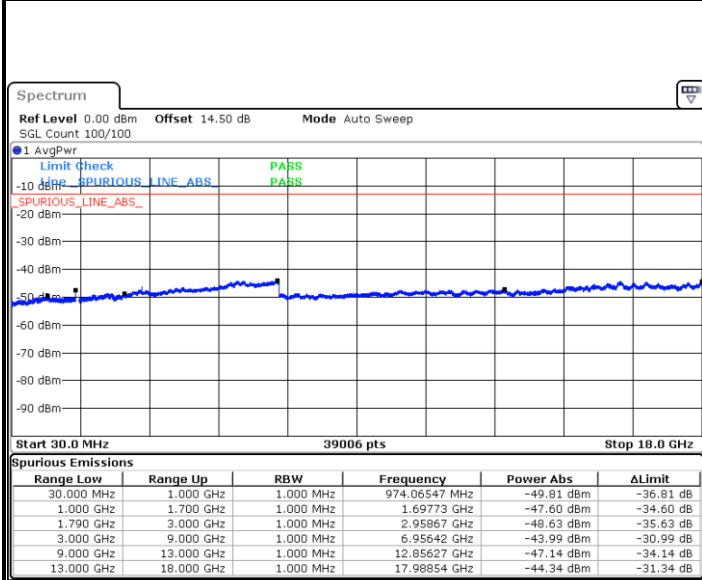


Date: 28.NOV.2022 13:34:14



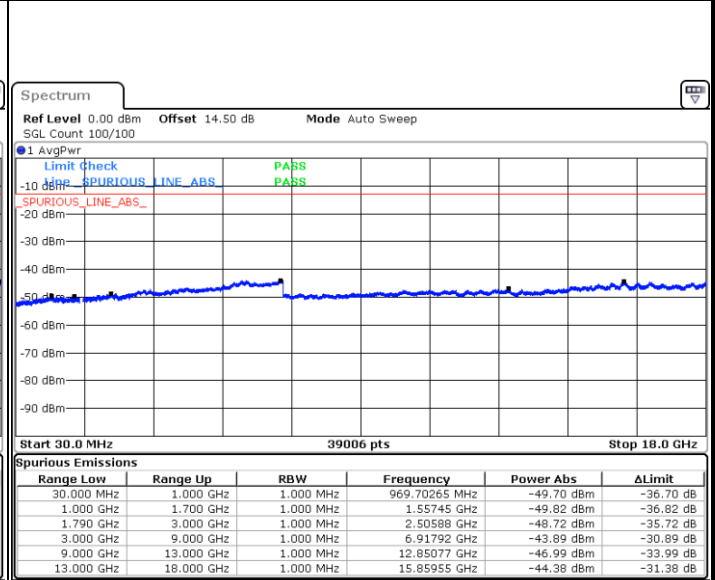
**LTE Band 66 / 15MHz**

**Lowest Channel / 64QAM**



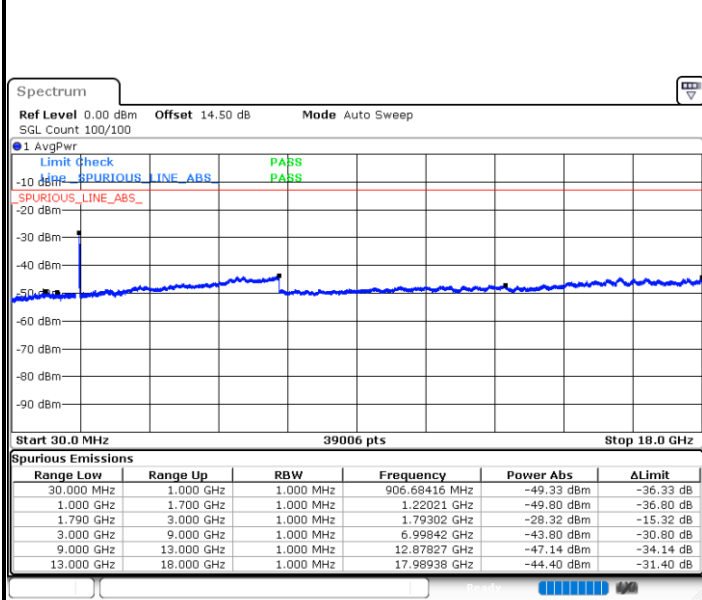
Date: 28.NOV.2022 13:36:40

**Middle Channel / 64QAM**



Date: 28.NOV.2022 13:37:38

**Highest Channel / 64QAM**

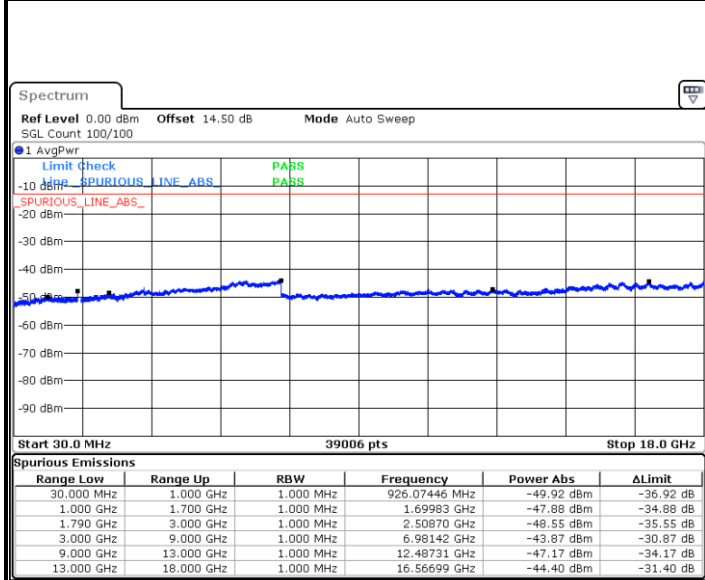


Date: 28.NOV.2022 13:40:02



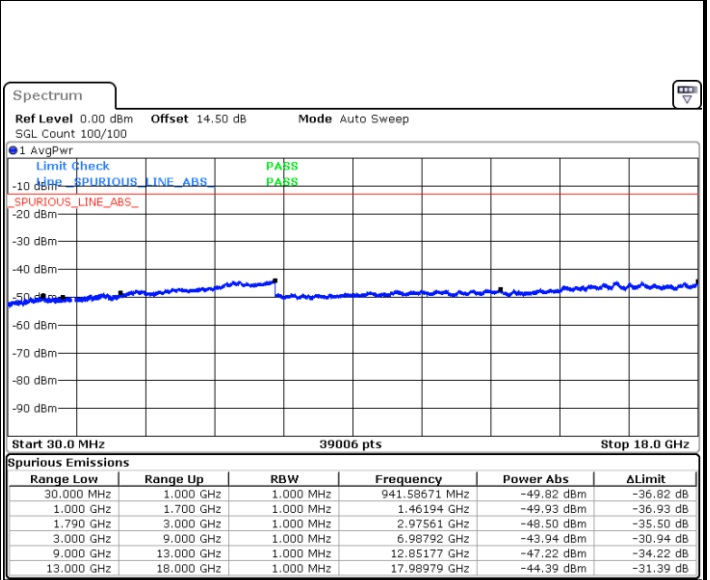
**LTE Band 66 / 20MHz**

**Lowest Channel / 64QAM**



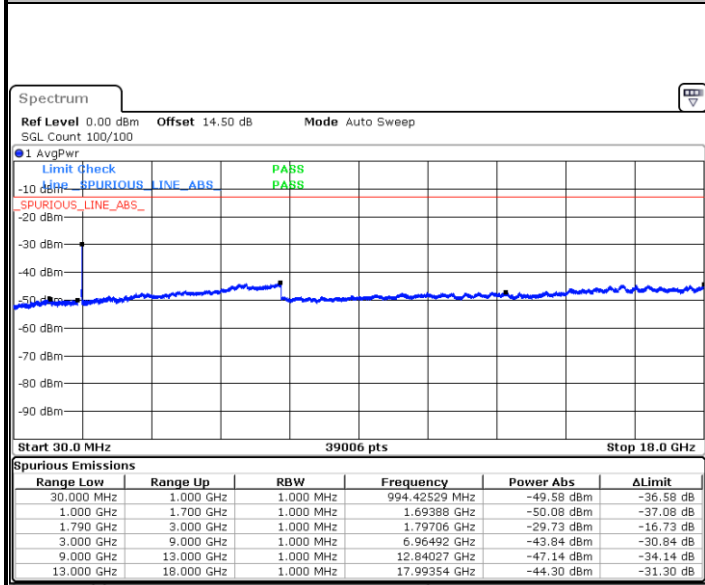
Date: 28.NOV.2022 14:05:34

**Middle Channel / 64QAM**



Date: 28.NOV.2022 14:06:33

**Highest Channel / 64QAM**



Date: 28.NOV.2022 14:08:56



### 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	0.0007	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

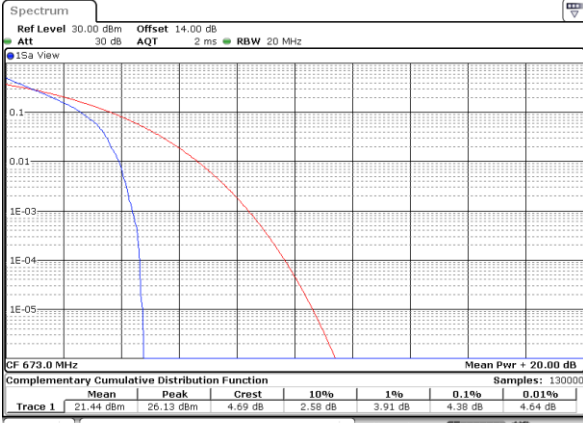
## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.04	5.13	6.09	PASS
Middle CH	4.52	5.22	5.36	6.12	
Highest CH	4.55	5.13	5.33	6.06	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.12	6.38	-	-	PASS
Middle CH	6.12	6.41	-	-	
Highest CH	6.35	6.32	-	-	



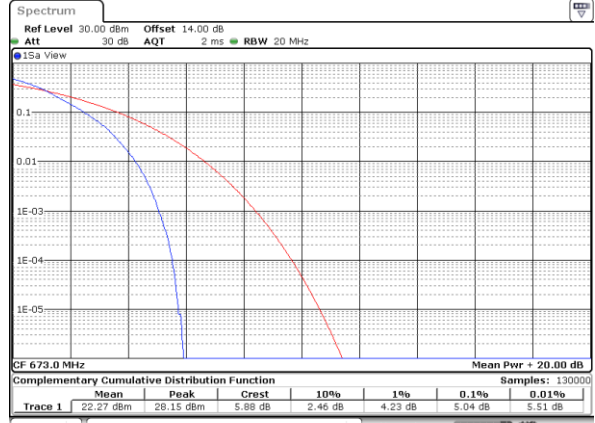
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



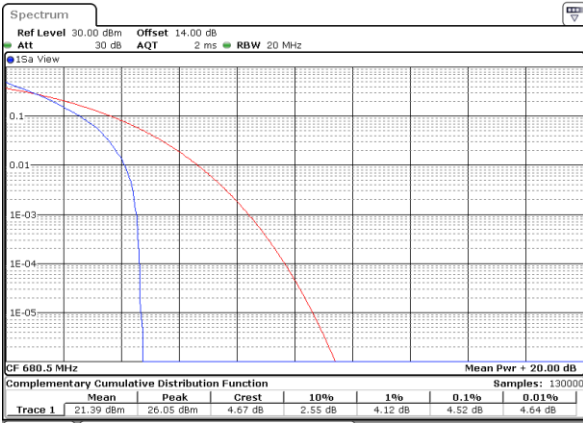
Date: 29.NOV.2022 18:52:00

Lowest Channel / Full RB



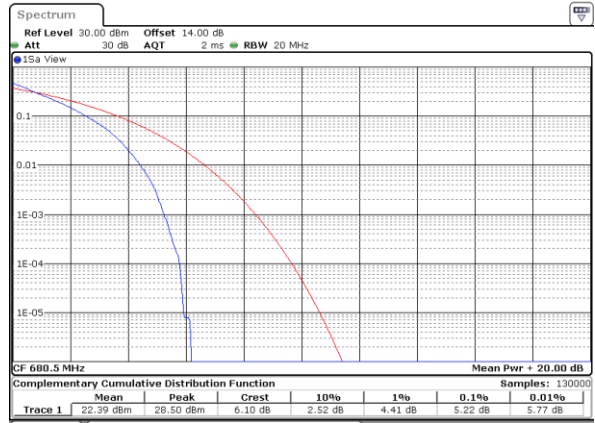
Date: 29.NOV.2022 18:52:26

Middle Channel / 1RB



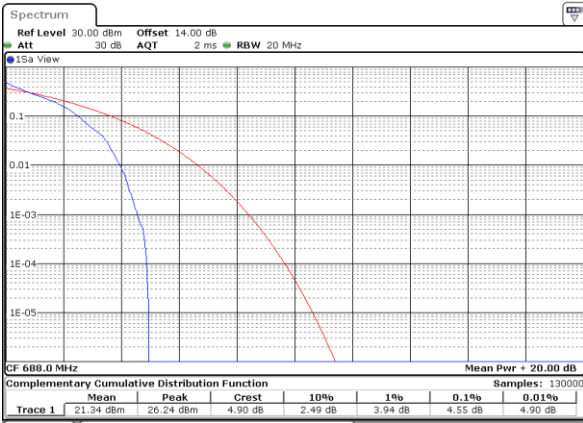
Date: 29.NOV.2022 18:52:52

Middle Channel / Full RB



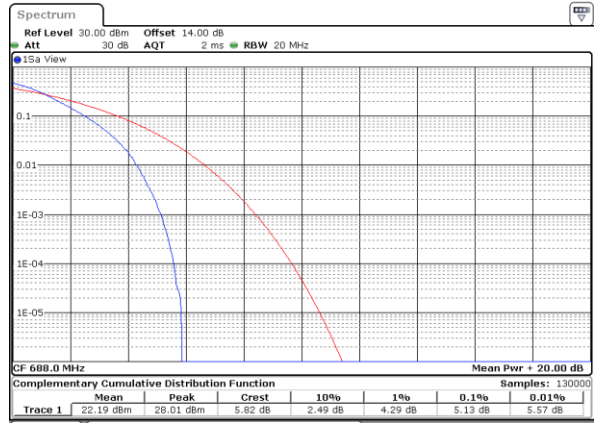
Date: 29.NOV.2022 18:53:18

Highest Channel / 1RB



Date: 29.NOV.2022 18:53:44

Highest Channel / Full RB



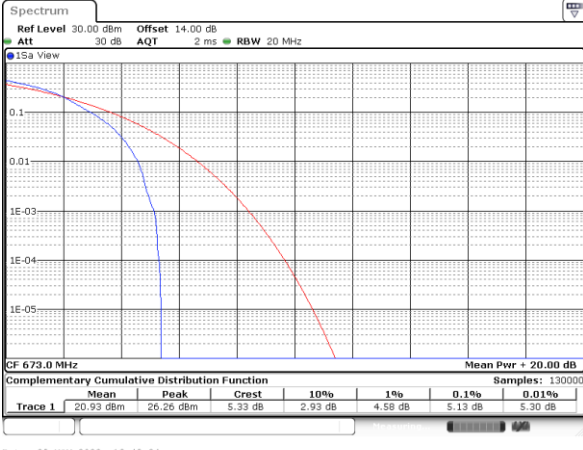
Date: 29.NOV.2022 18:54:11





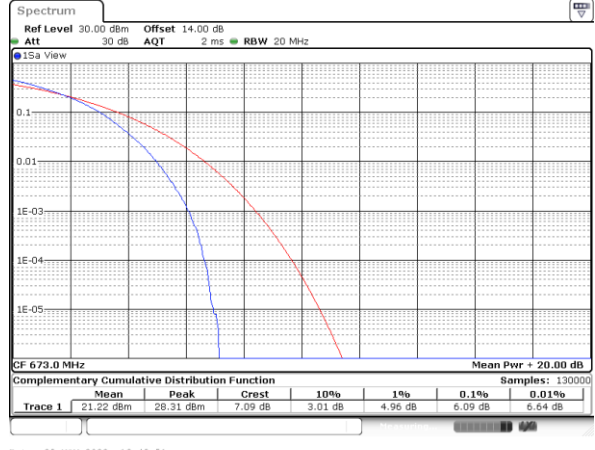
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



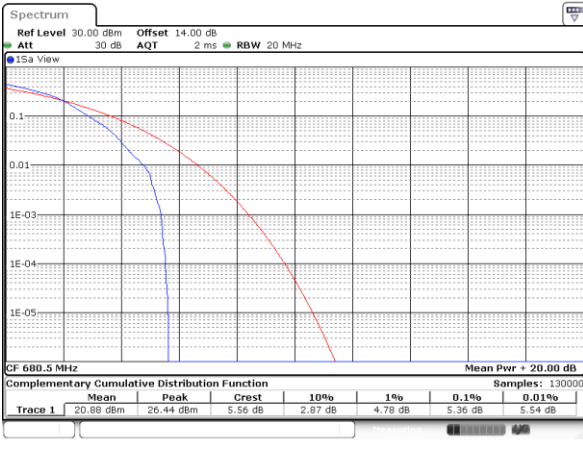
Date: 29\_NOV.2022 18:49:24

Lowest Channel / Full RB



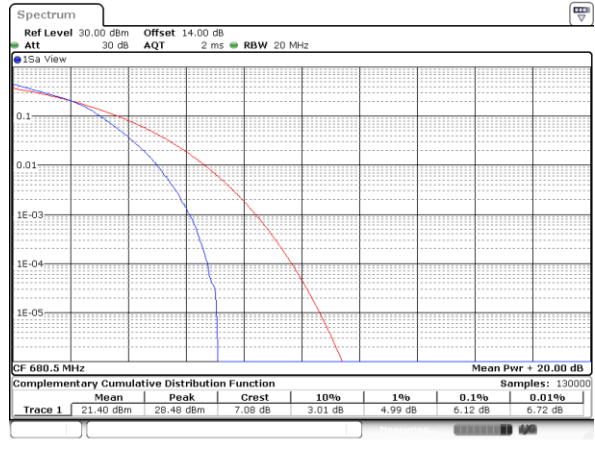
Date: 29\_NOV.2022 18:49:51

Middle Channel / 1RB



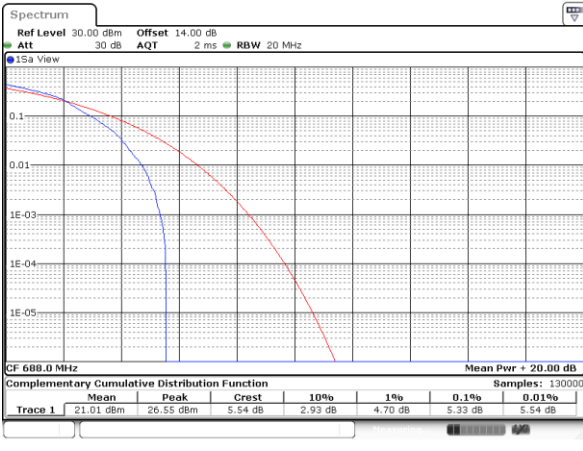
Date: 29\_NOV.2022 18:50:17

Middle Channel / Full RB



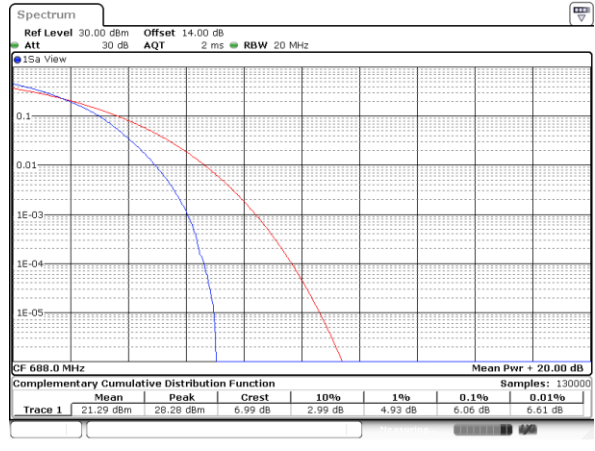
Date: 29\_NOV.2022 18:50:42

Highest Channel / 1RB



Date: 29\_NOV.2022 18:51:08

Highest Channel / Full RB

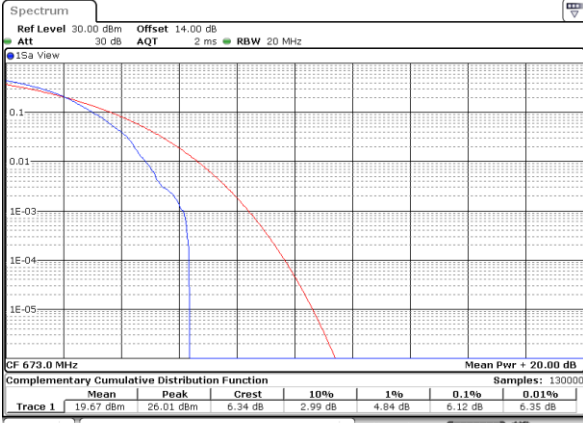


Date: 29\_NOV.2022 18:51:34



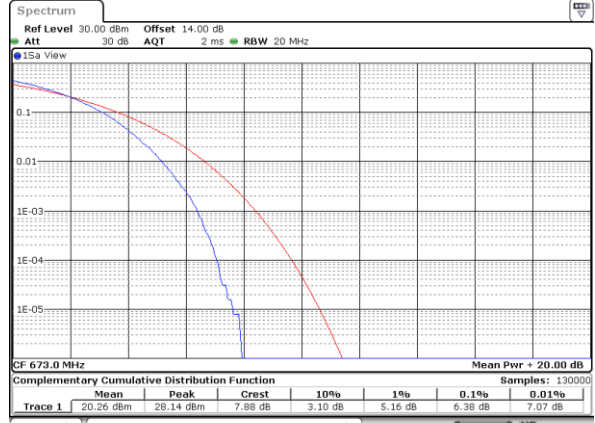
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



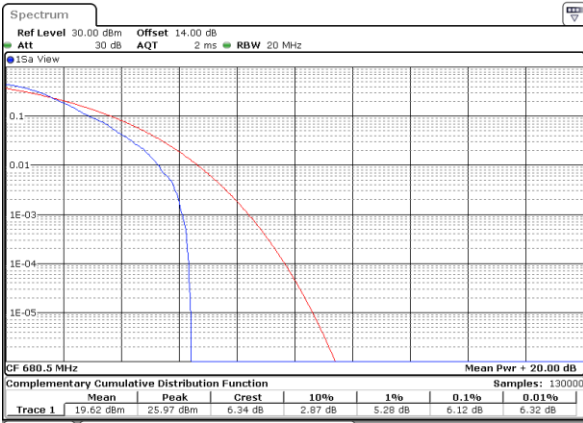
Date: 29\_NOV.2022 18:54:37

Lowest Channel / Full RB



Date: 29\_NOV.2022 18:55:03

Middle Channel / 1RB



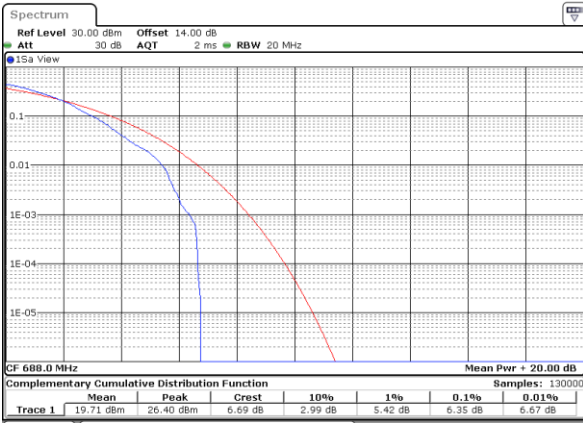
Date: 29\_NOV.2022 18:55:29

Middle Channel / Full RB



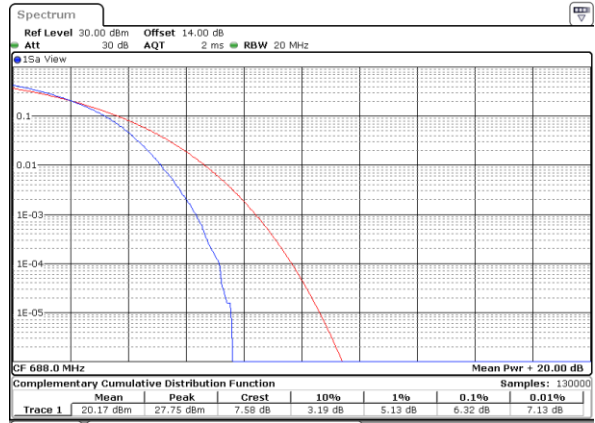
Date: 29\_NOV.2022 18:55:55

Highest Channel / 1RB



Date: 29\_NOV.2022 18:56:21

Highest Channel / Full RB



Date: 29\_NOV.2022 18:56:47



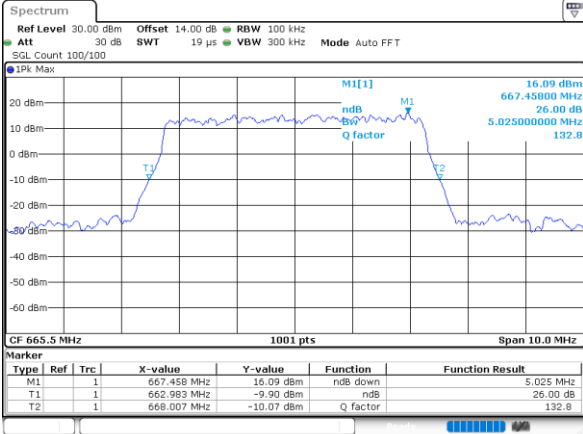
26dB Bandwidth

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	-	-	-	-	5.03	5.06	9.95	9.95	14.63	14.96	19.02	19.14
Middle CH	-	-	-	-	4.98	5.09	9.83	9.99	14.81	14.24	19.26	19.10
Highest CH	-	-	-	-	4.85	5.01	9.79	10.17	14.45	14.45	19.30	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	-	-	-	-	5.01	-	10.09	-	14.30	-	18.86	-
Middle CH	-	-	-	-	5.07	-	9.93	-	14.57	-	19.38	-
Highest CH	-	-	-	-	5.01	-	9.97	-	14.81	-	19.06	-



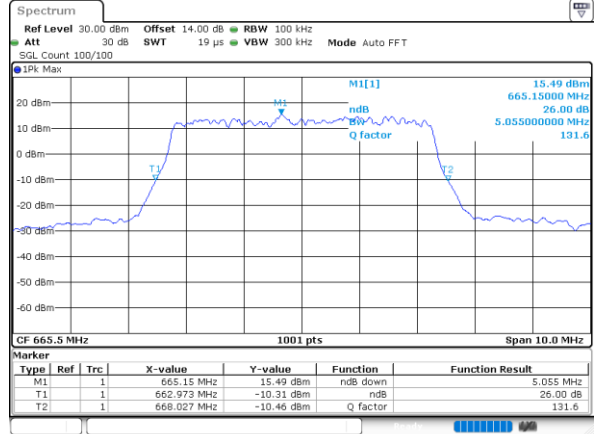
LTE Band 71

Lowest Channel / 5MHz / QPSK



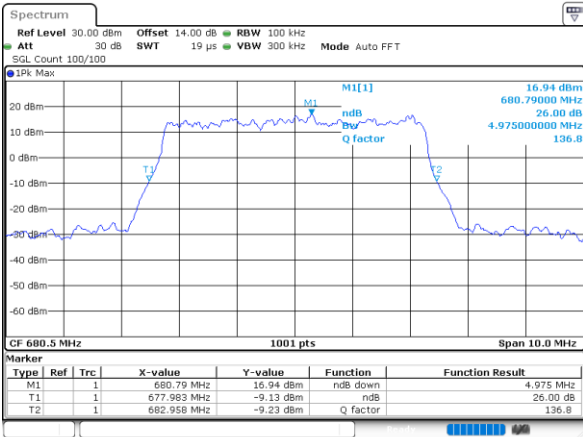
Date: 29\_NOV.2022 18:22:13

Lowest Channel / 5MHz / 16QAM



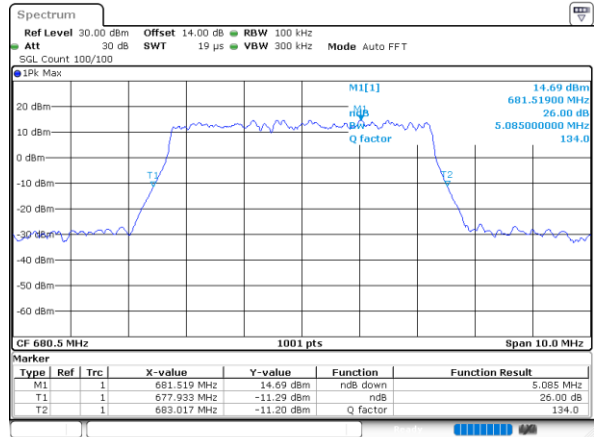
Date: 29\_NOV.2022 18:22:15

Middle Channel / 5MHz / QPSK



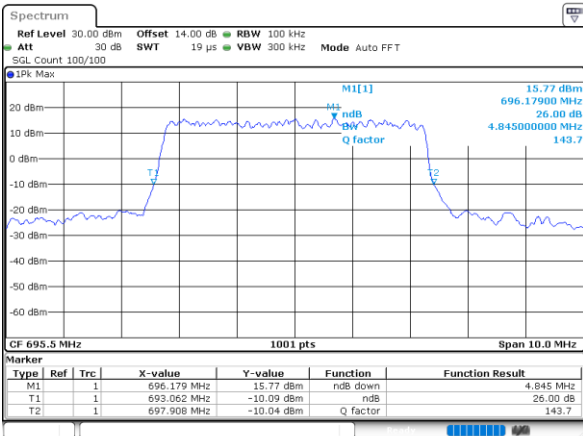
Date: 29\_NOV.2022 18:24:11

Middle Channel / 5MHz / 16QAM



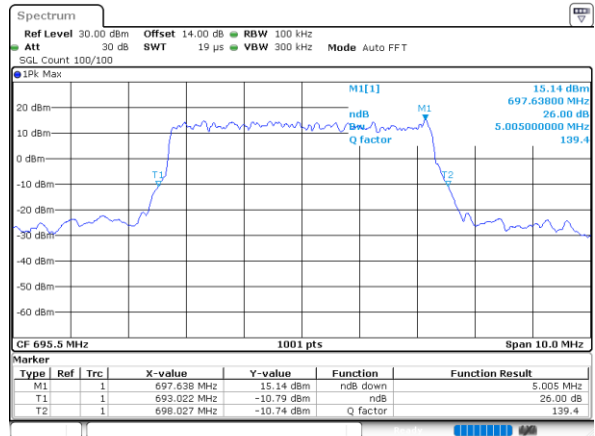
Date: 29\_NOV.2022 18:24:15

Highest Channel / 5MHz / QPSK



Date: 29\_NOV.2022 18:25:49

Highest Channel / 5MHz / 16QAM

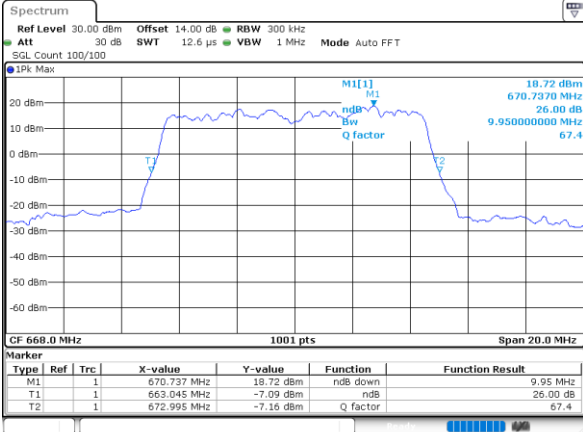


Date: 29\_NOV.2022 18:26:13



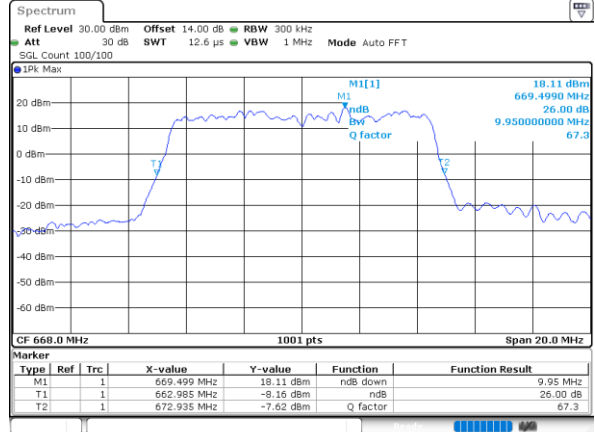
LTE Band 71

Lowest Channel / 10MHz / QPSK



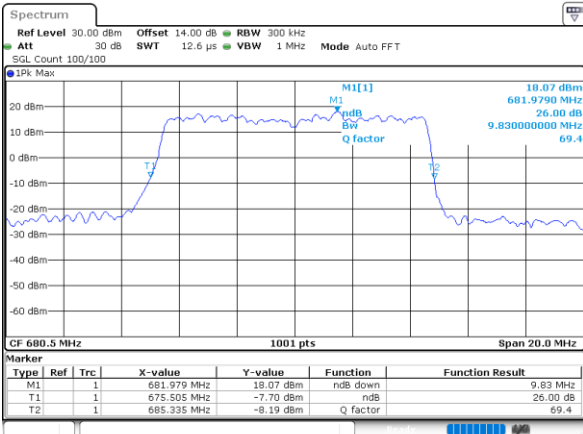
Date: 29\_NOV.2022 18:29:26

Lowest Channel / 10MHz / 16QAM



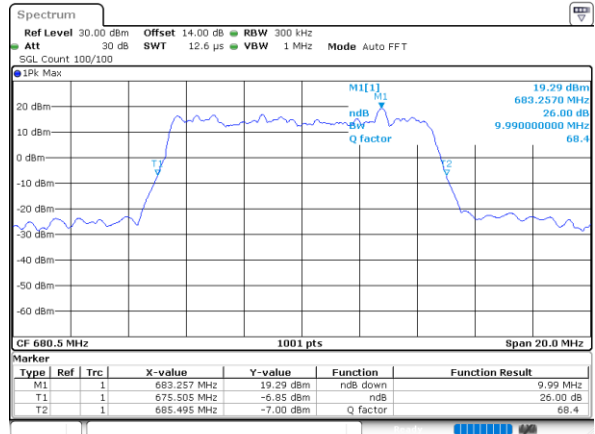
Date: 29\_NOV.2022 18:29:51

Middle Channel / 10MHz / QPSK



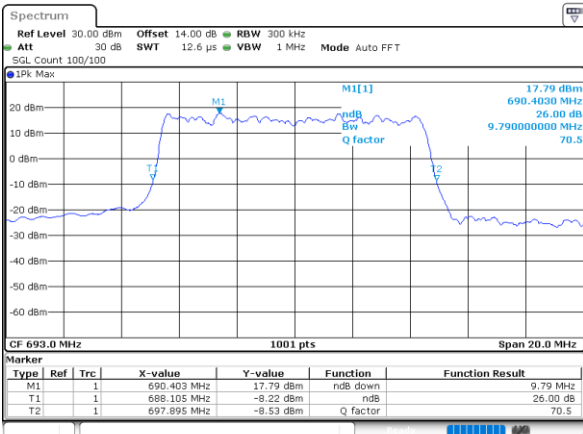
Date: 29\_NOV.2022 18:31:04

Middle Channel / 10MHz / 16QAM



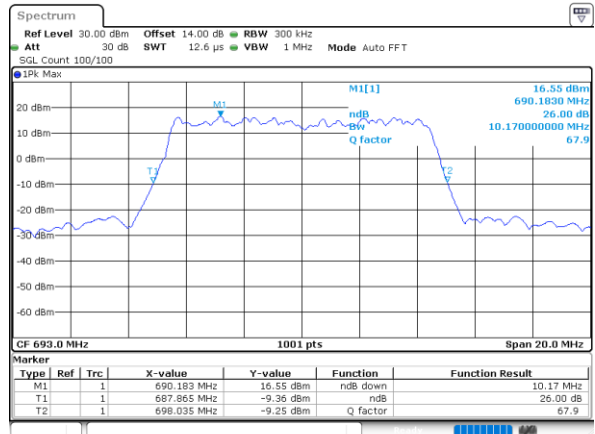
Date: 29\_NOV.2022 18:31:28

Highest Channel / 10MHz / QPSK



Date: 29\_NOV.2022 18:32:42

Highest Channel / 10MHz / 16QAM

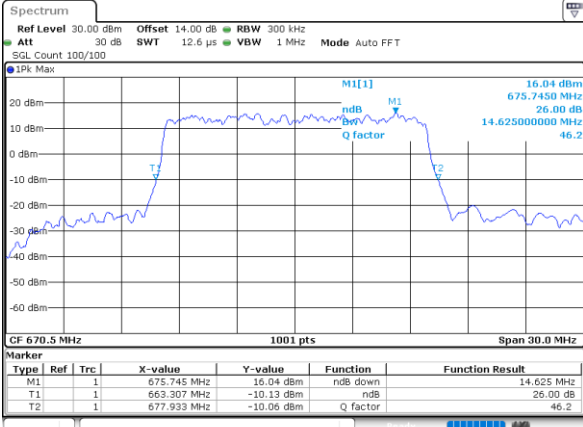


Date: 29\_NOV.2022 18:33:06



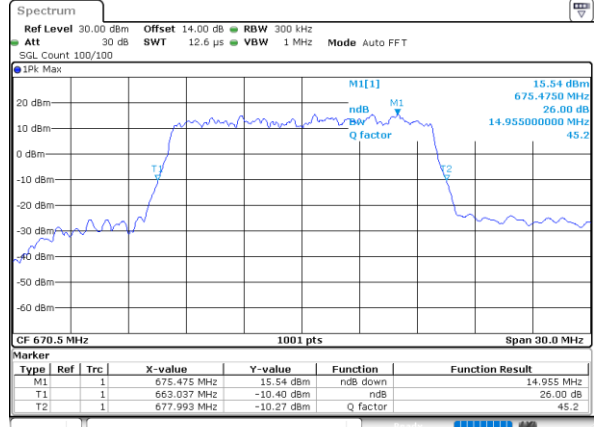
LTE Band 71

Lowest Channel / 15MHz / QPSK



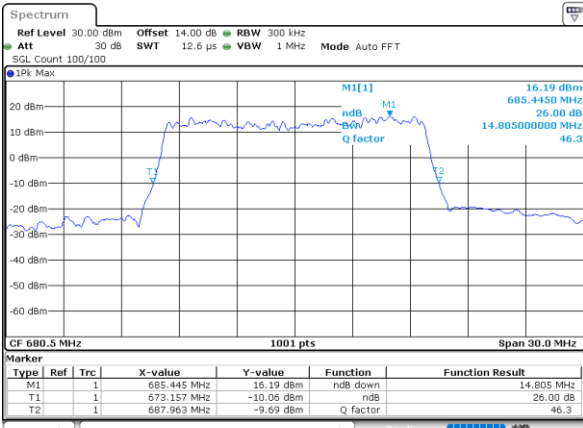
Date: 29\_NOV.2022 18:36:20

Lowest Channel / 15MHz / 16QAM



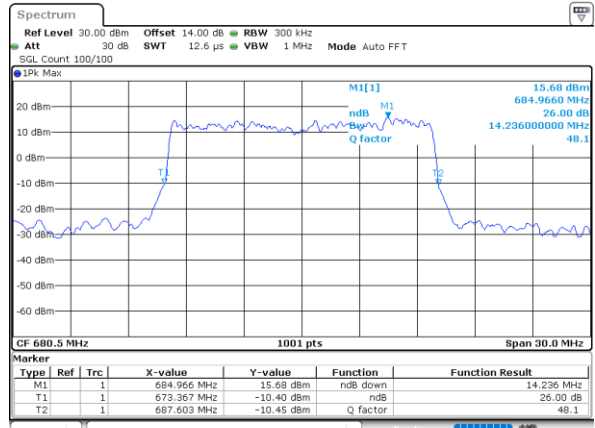
Date: 29\_NOV.2022 18:36:45

Middle Channel / 15MHz / QPSK



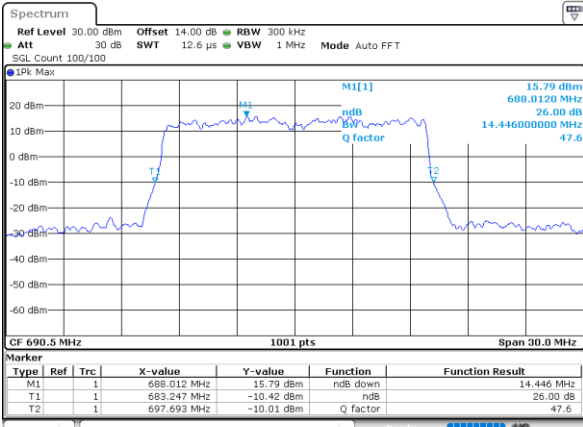
Date: 29\_NOV.2022 18:37:58

Middle Channel / 15MHz / 16QAM



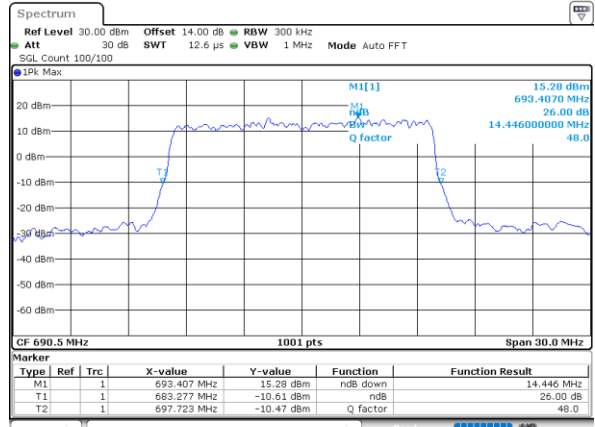
Date: 29\_NOV.2022 18:38:22

Highest Channel / 15MHz / QPSK



Date: 29\_NOV.2022 18:39:36

Highest Channel / 15MHz / 16QAM

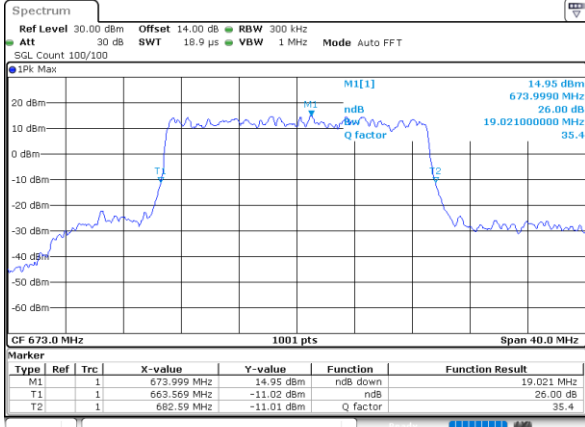


Date: 29\_NOV.2022 18:40:02



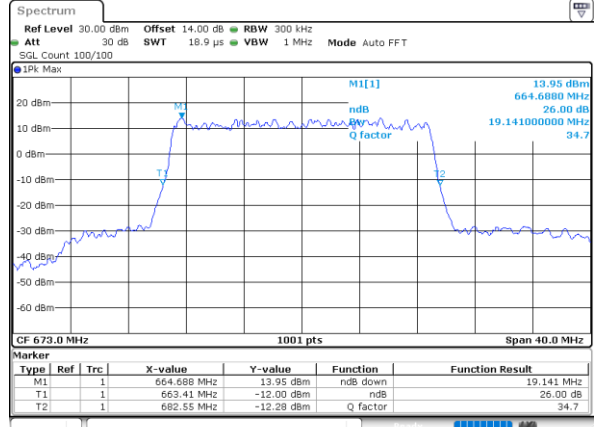
LTE Band 71

Lowest Channel / 20MHz / QPSK



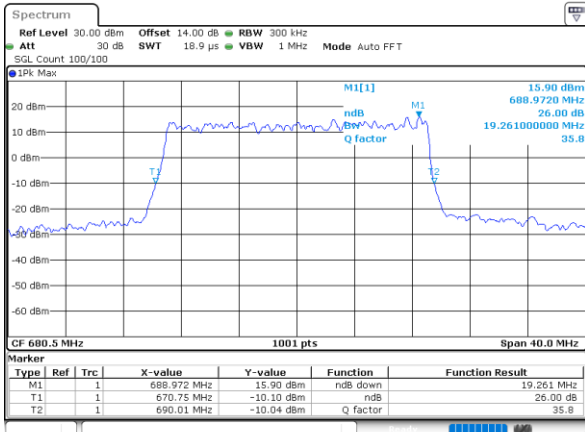
Date: 29\_NOV.2022 18:43:17

Lowest Channel / 20MHz / 16QAM



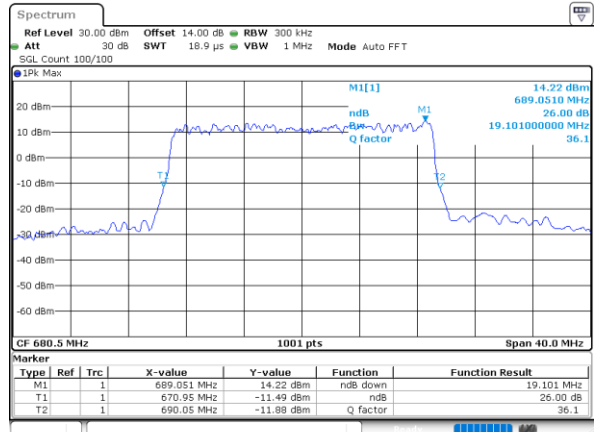
Date: 29\_NOV.2022 18:43:41

Middle Channel / 20MHz / QPSK



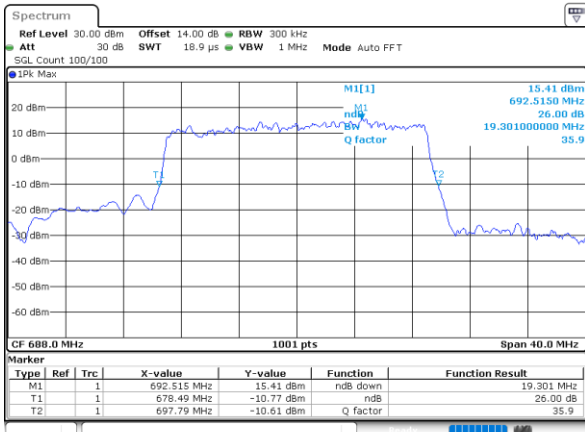
Date: 29\_NOV.2022 18:44:05

Middle Channel / 20MHz / 16QAM



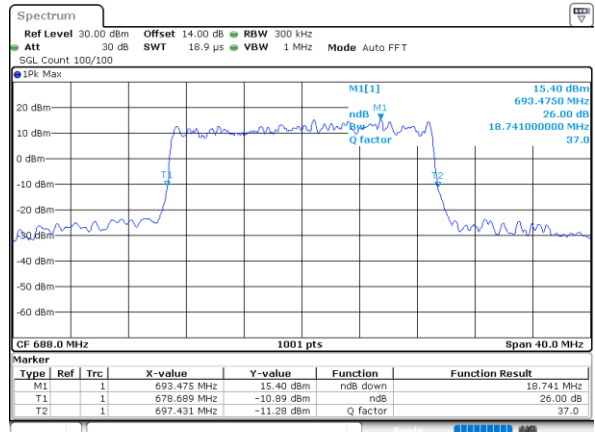
Date: 29\_NOV.2022 18:45:19

Highest Channel / 20MHz / QPSK



Date: 29\_NOV.2022 18:46:34

Highest Channel / 20MHz / 16QAM

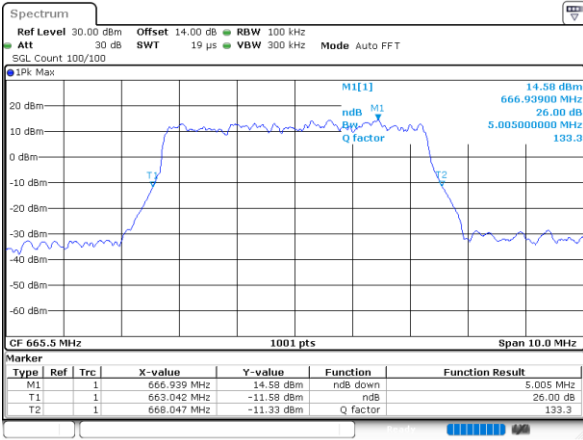


Date: 29\_NOV.2022 18:46:59



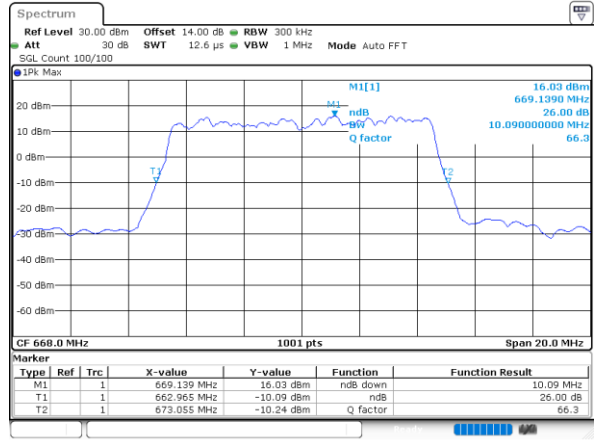
LTE Band 71

Lowest Channel / 5MHz / 64QAM



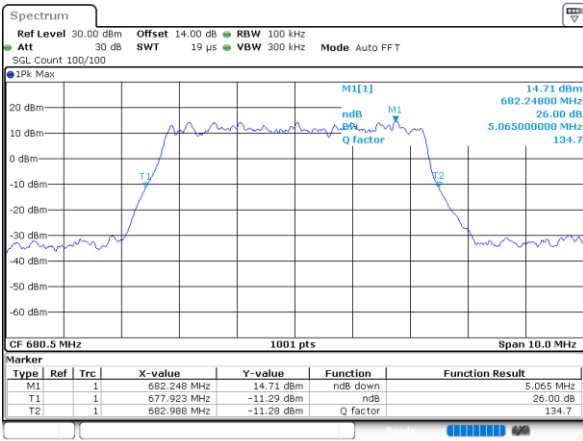
Date: 29\_NOV.2022 18:26:53

Lowest Channel / 10MHz / 64QAM



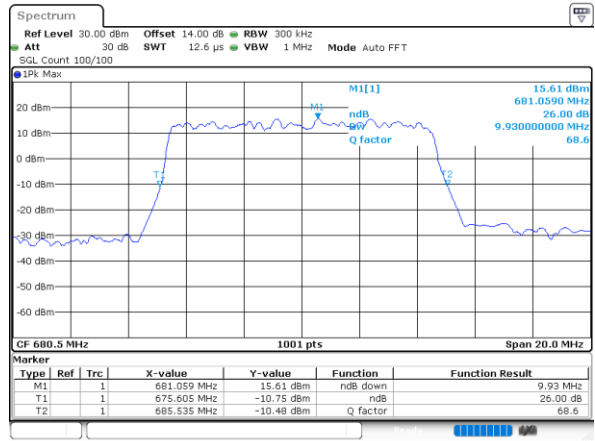
Date: 29\_NOV.2022 18:33:46

Middle Channel / 5MHz / 64QAM



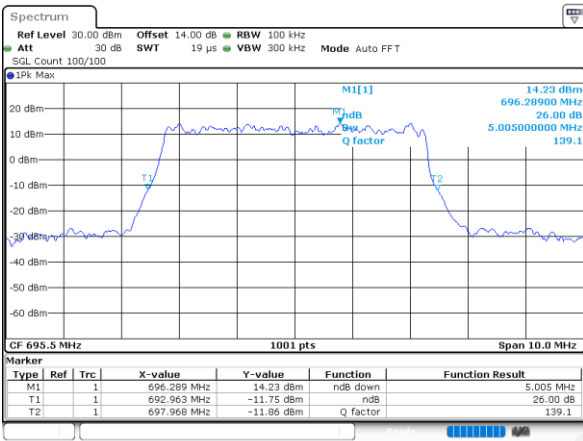
Date: 29\_NOV.2022 18:27:32

Middle Channel / 10MHz / 64QAM



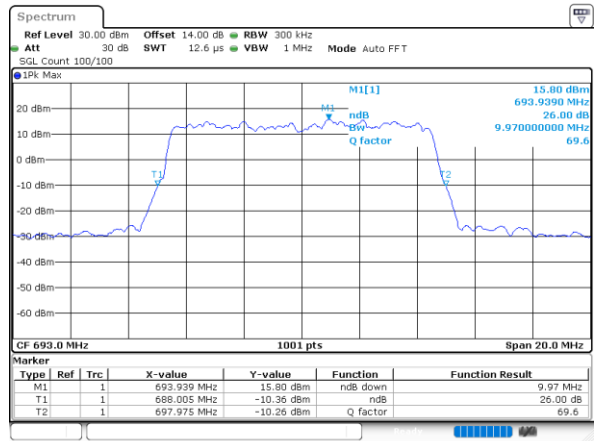
Date: 29\_NOV.2022 18:34:26

Highest Channel / 5MHz / 64QAM



Date: 29\_NOV.2022 18:28:12

Highest Channel / 10MHz / 64QAM



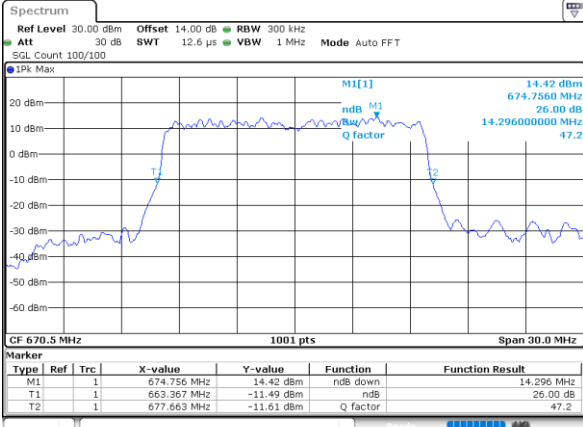
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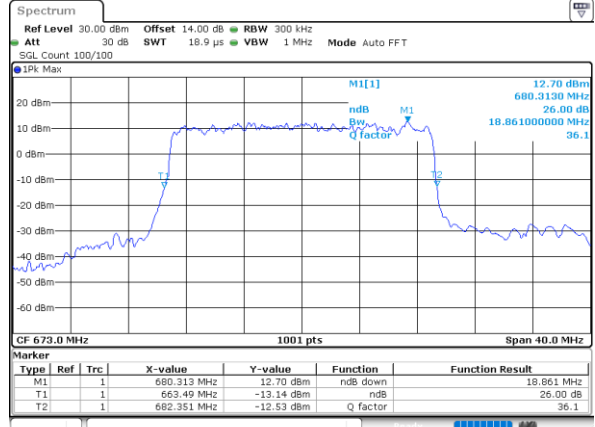
LTE Band 71

Lowest Channel / 15MHz / 64QAM



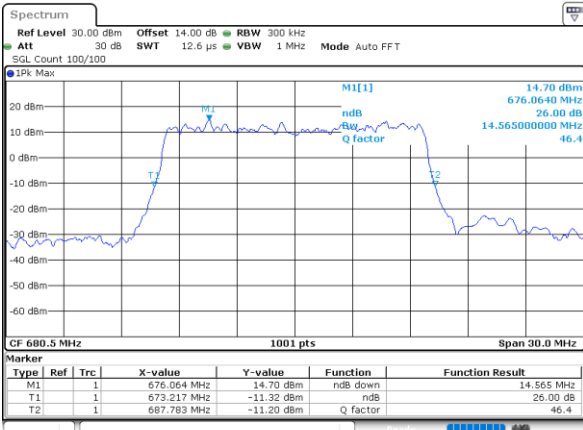
Date: 29\_NOV.2022 18:40:42

Lowest Channel / 20MHz / 64QAM



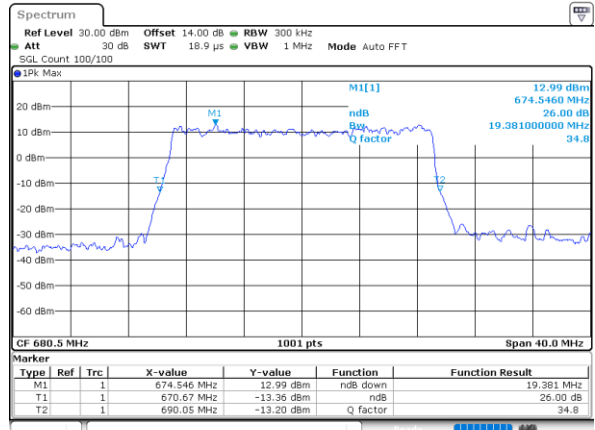
Date: 29\_NOV.2022 18:47:139

Middle Channel / 15MHz / 64QAM



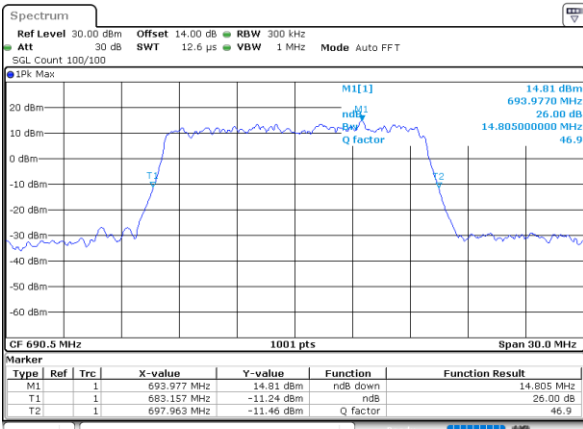
Date: 29\_NOV.2022 18:41:21

Middle Channel / 20MHz / 64QAM



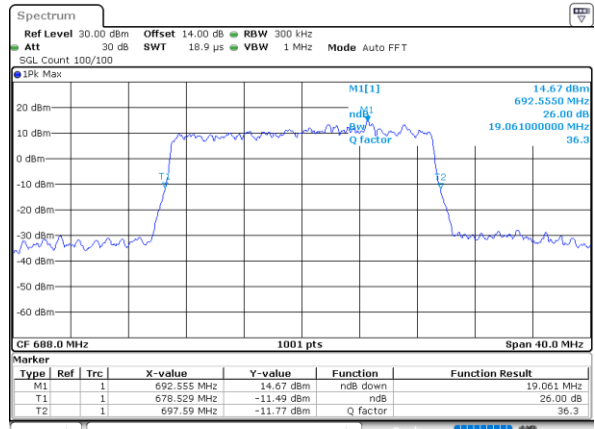
Date: 29\_NOV.2022 18:48:118

Highest Channel / 15MHz / 64QAM



Date: 29\_NOV.2022 18:42:01

Highest Channel / 20MHz / 64QAM



Date: 29\_NOV.2022 18:48:158



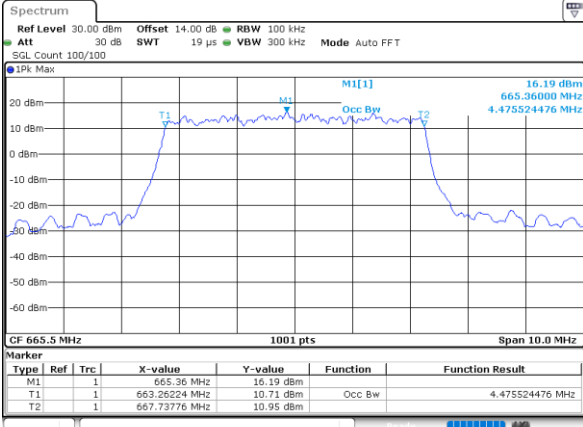
Occupied Bandwidth

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	-	-	-	-	4.48	4.49	9.05	9.03	13.49	13.43	17.86	17.82
Middle CH	-	-	-	-	4.49	4.51	9.05	9.07	13.55	13.49	17.90	17.90
Highest CH	-	-	-	-	4.51	4.50	9.09	8.99	13.40	13.40	17.90	17.86
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	9.01	-	13.40	-	17.86	-
Middle CH	-	-	-	-	4.52	-	9.01	-	13.46	-	17.98	-
Highest CH	-	-	-	-	4.52	-	9.09	-	13.49	-	17.82	-



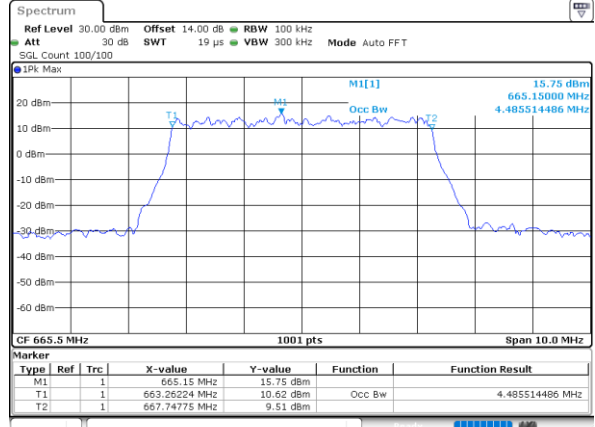
LTE Band 71

Lowest Channel / 5MHz / QPSK



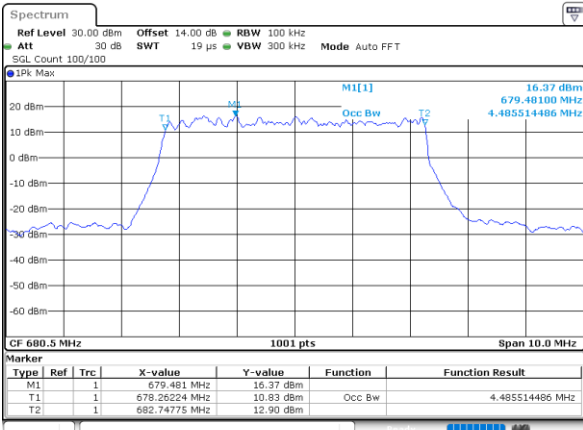
Date: 29\_NOV\_2022 18:21:44

Lowest Channel / 5MHz / 16QAM



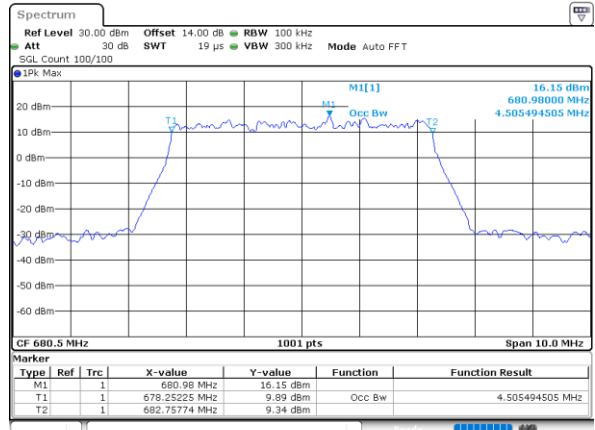
Date: 29\_NOV\_2022 18:22:10

Middle Channel / 5MHz / QPSK



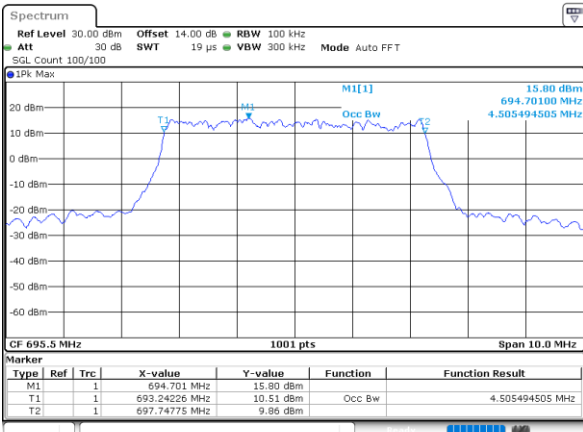
Date: 29\_NOV\_2022 18:23:23

Middle Channel / 5MHz / 16QAM



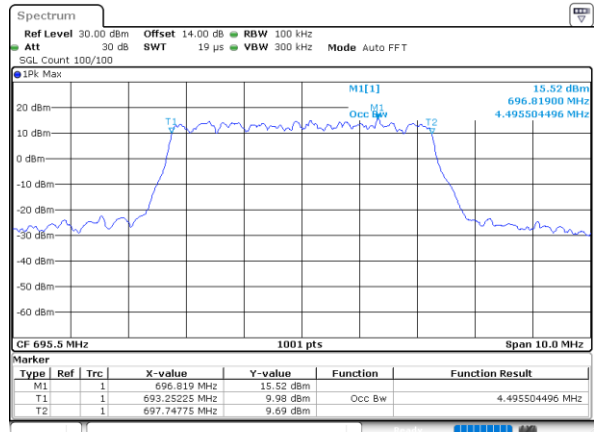
Date: 29\_NOV\_2022 18:23:47

Highest Channel / 5MHz / QPSK



Date: 29\_NOV\_2022 18:25:00

Highest Channel / 5MHz / 16QAM



Date: 29\_NOV\_2022 18:25:14