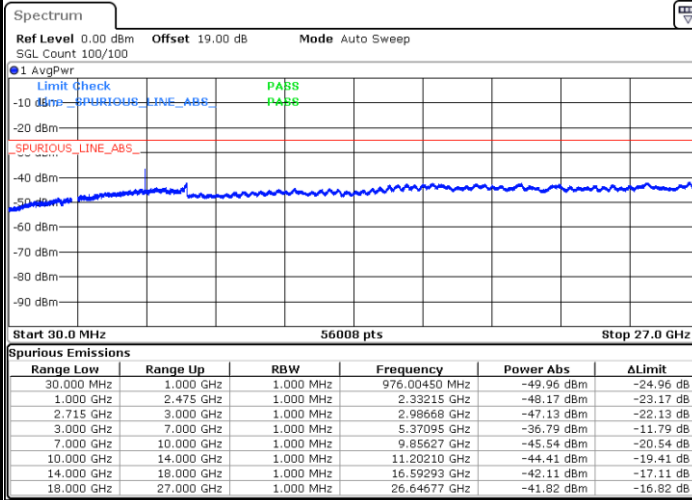




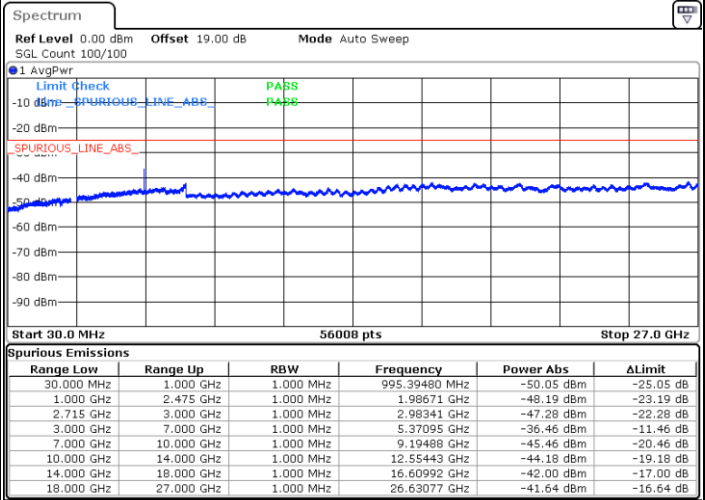
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 28.OCT.2020 05:01:25

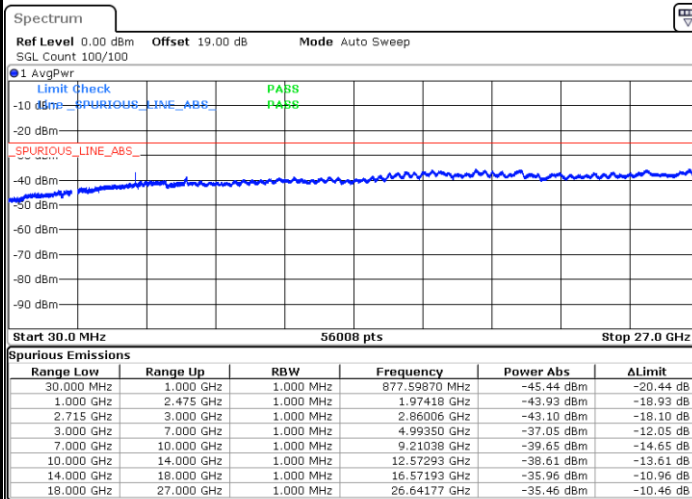
Highest Channel / 16QAM



Date: 28.OCT.2020 05:02:22

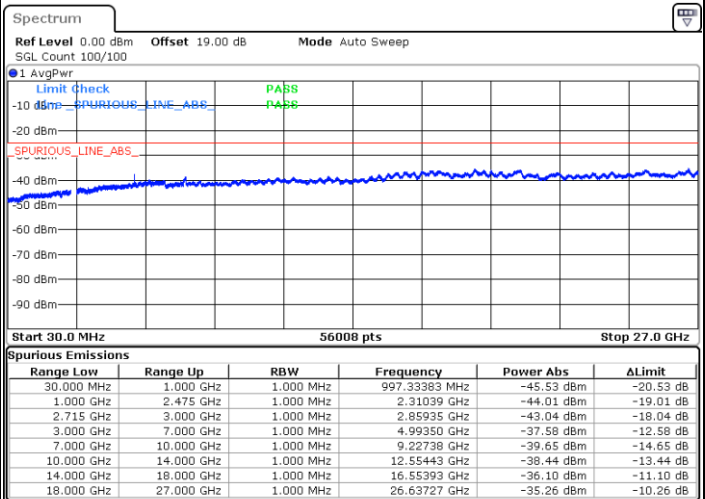
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 28.OCT.2020 05:13:01

Lowest Channel / 16QAM

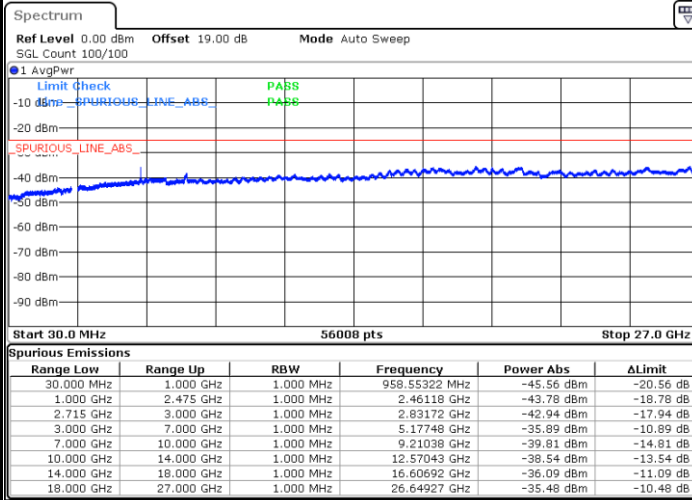


Date: 28.OCT.2020 05:14:08



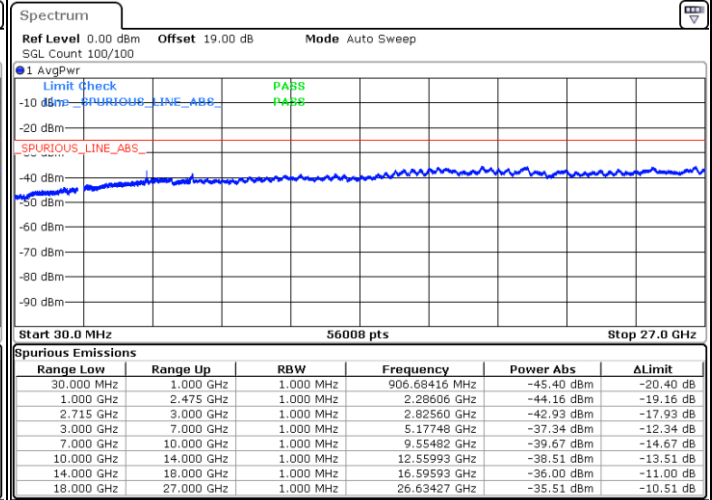
LTE Band 41 / 10MHz

Middle Channel / QPSK



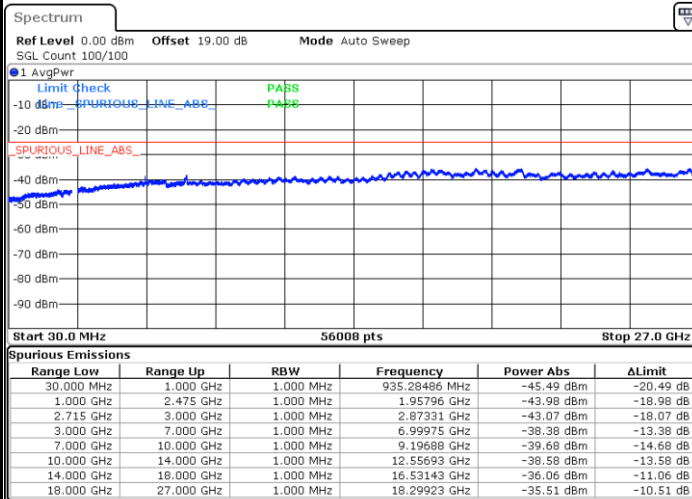
Date: 28.OCT.2020 05:16:34

Middle Channel / 16QAM



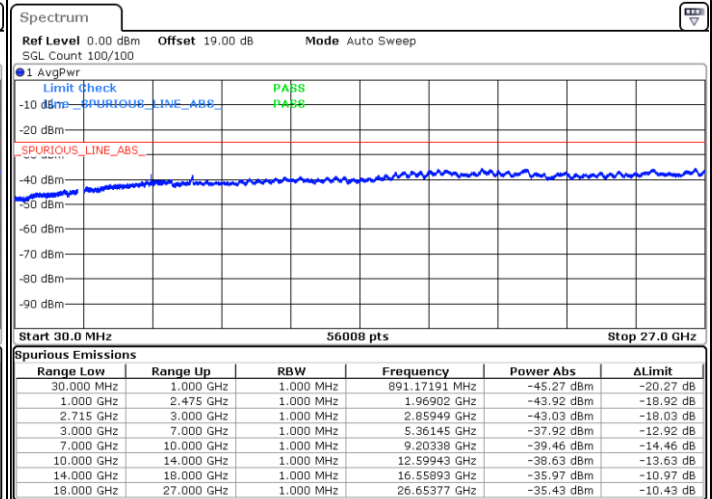
Date: 28.OCT.2020 05:17:38

Highest Channel / QPSK



Date: 28.OCT.2020 05:21:24

Highest Channel / 16QAM

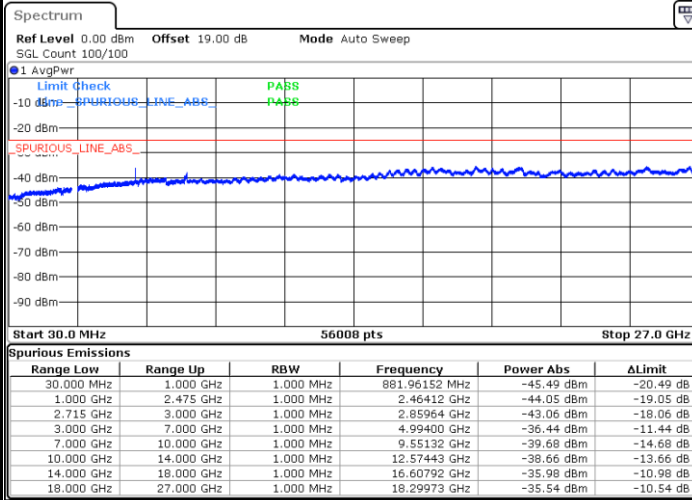


Date: 28.OCT.2020 05:20:33



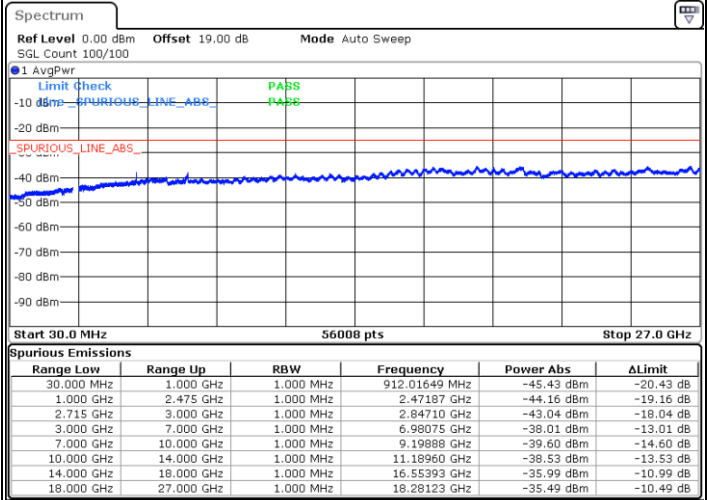
LTE Band 41 / 15MHz

Lowest Channel / QPSK



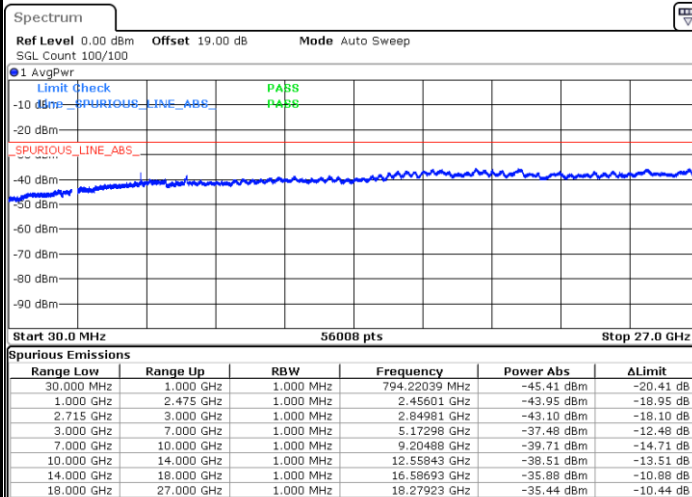
Date: 28.OCT.2020 05:27:45

Lowest Channel / 16QAM



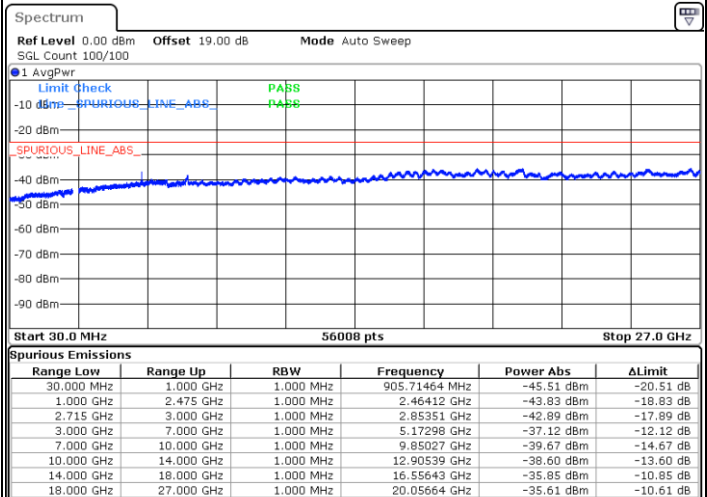
Date: 28.OCT.2020 05:29:06

Middle Channel / QPSK



Date: 28.OCT.2020 05:34:08

Middle Channel / 16QAM

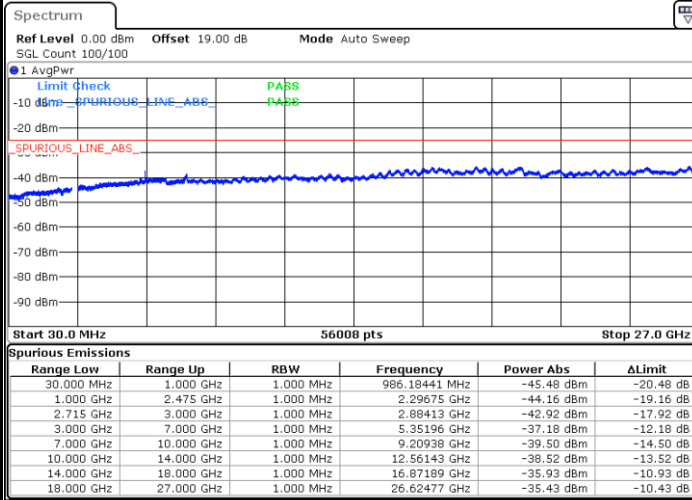


Date: 28.OCT.2020 05:35:08



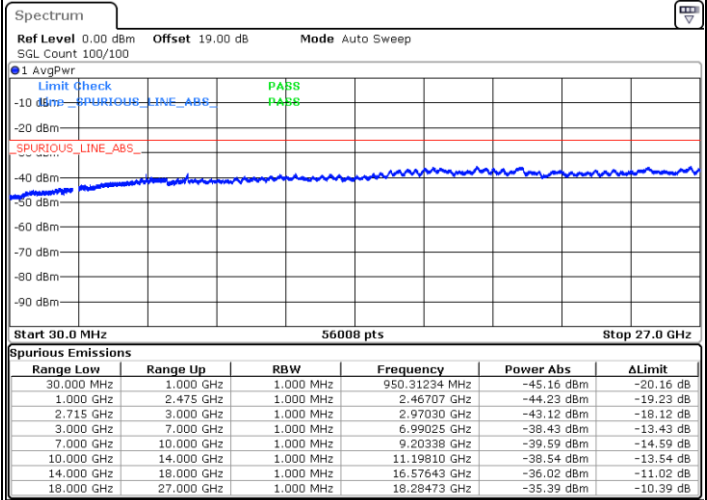
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 28.OCT.2020 05:37:07

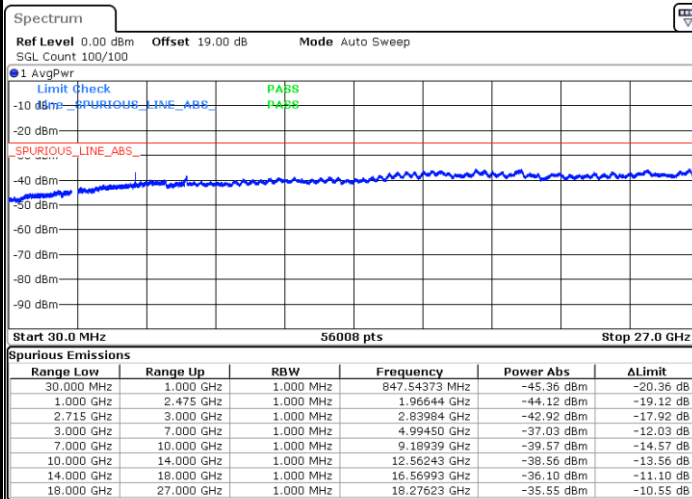
Highest Channel / 16QAM



Date: 28.OCT.2020 05:37:58

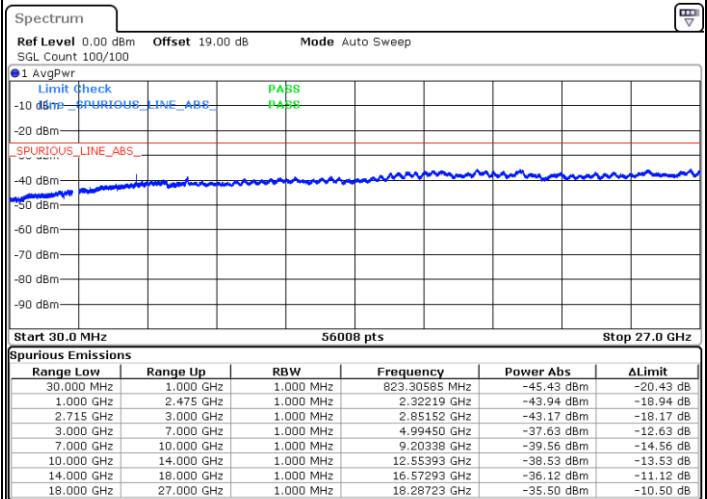
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 28.OCT.2020 05:45:32

Lowest Channel / 16QAM

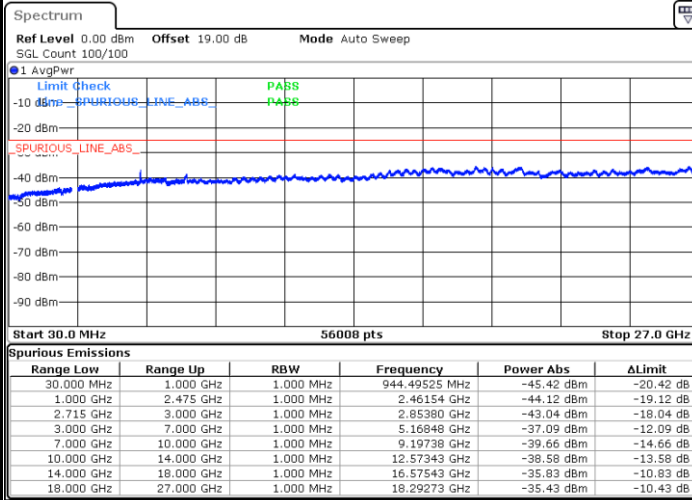


Date: 28.OCT.2020 05:53:19



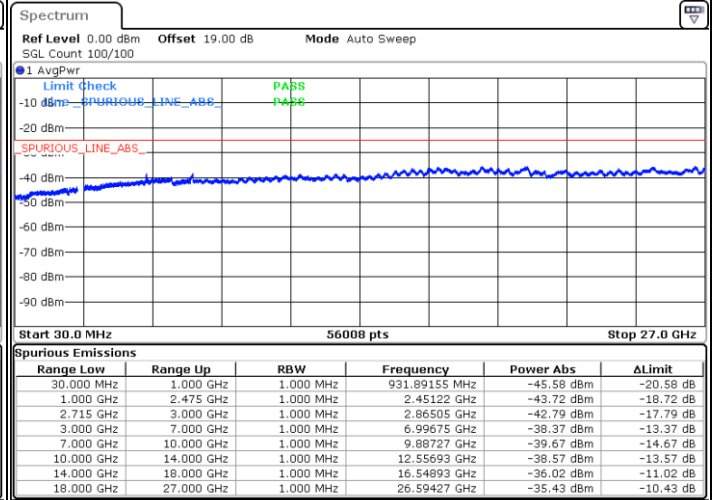
LTE Band 41 / 20MHz

Middle Channel / QPSK



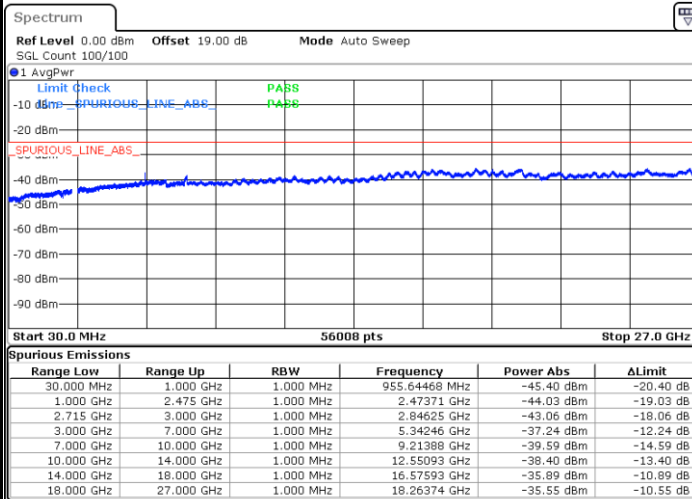
Date: 28.OCT.2020 05:55:47

Middle Channel / 16QAM



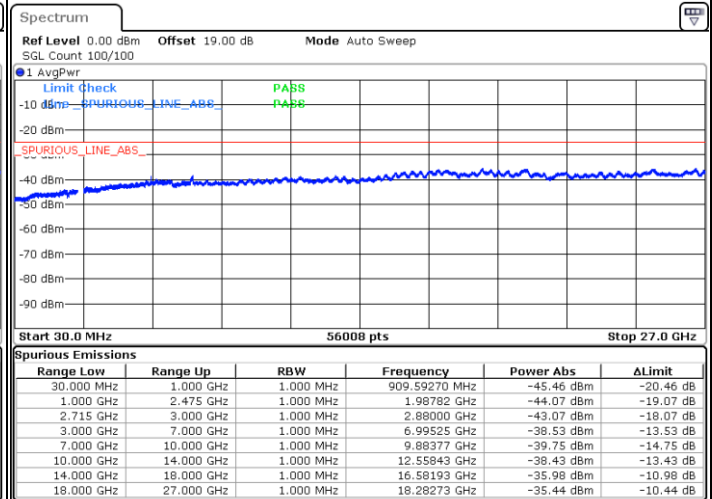
Date: 28.OCT.2020 05:56:41

Highest Channel / QPSK



Date: 28.OCT.2020 05:59:05

Highest Channel / 16QAM

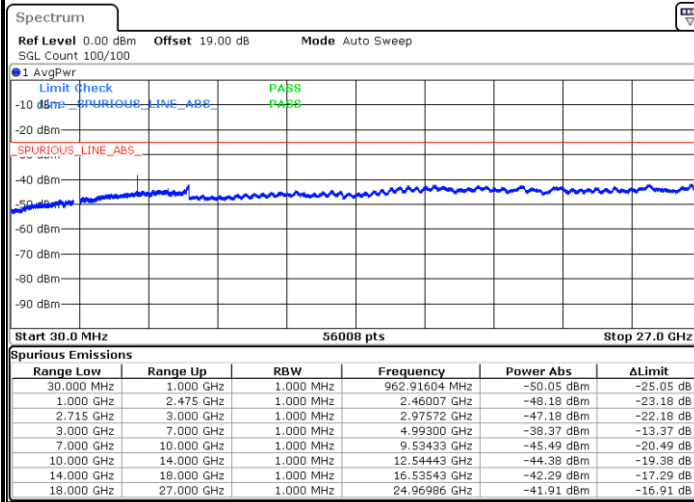


Date: 28.OCT.2020 06:00:23



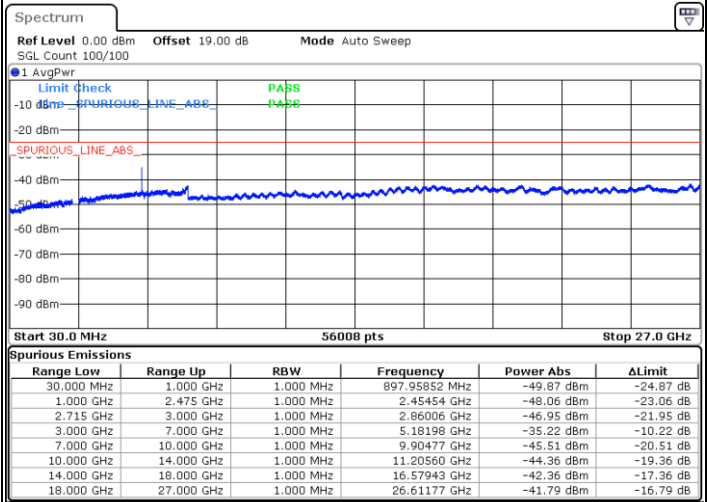
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



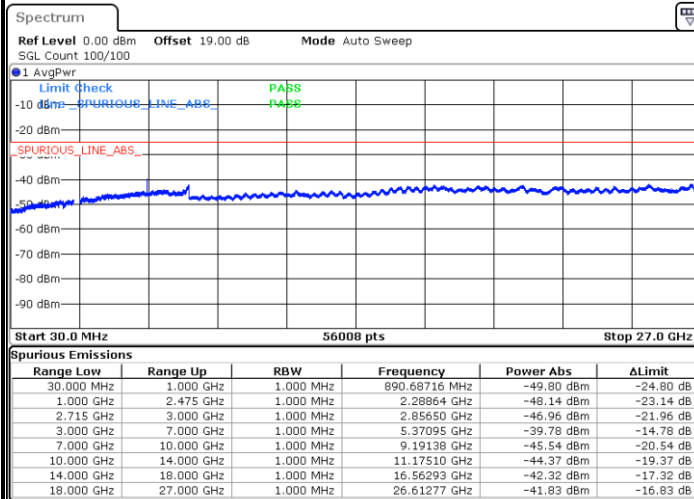
Date: 28.OCT.2020 04:53:51

Middle Channel / 64QAM



Date: 28.OCT.2020 04:59:58

Highest Channel / 64QAM

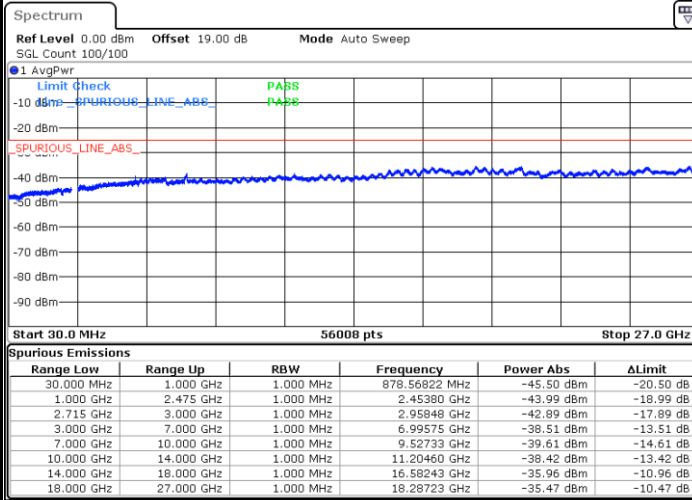


Date: 28.OCT.2020 05:03:13



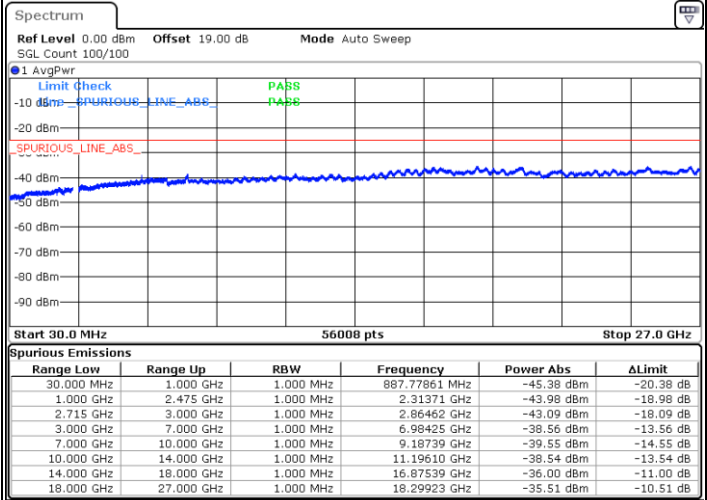
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



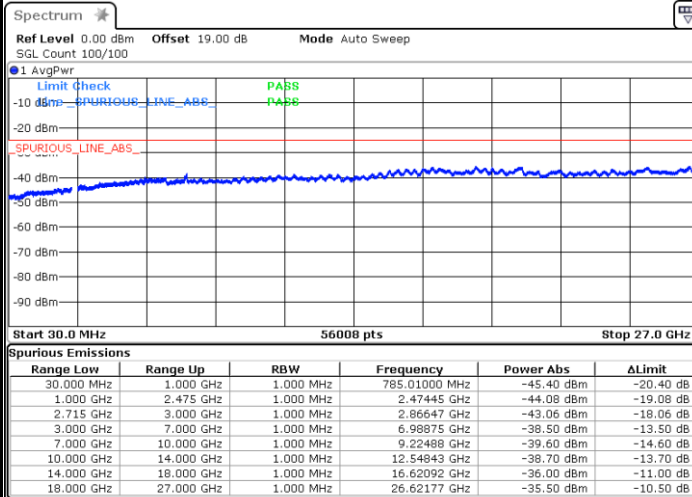
Date: 28.OCT.2020 05:15:15

Middle Channel / 64QAM



Date: 28.OCT.2020 05:18:28

Highest Channel / 64QAM

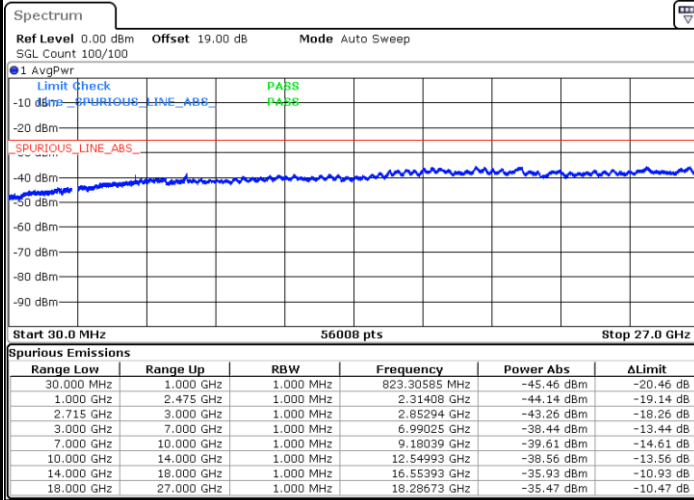


Date: 28.OCT.2020 05:19:46



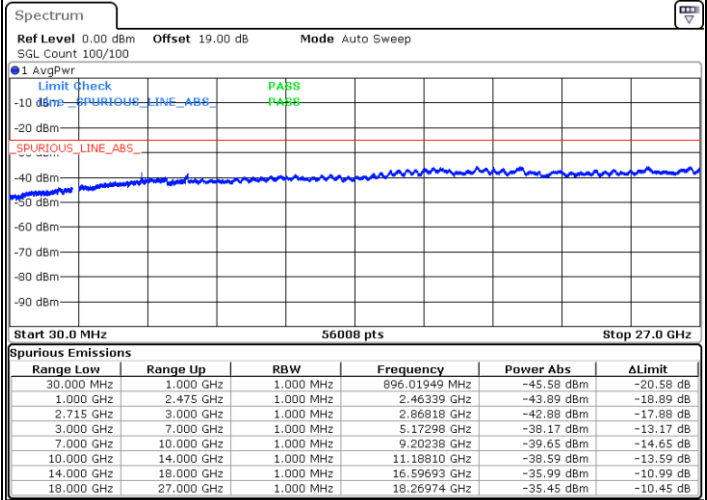
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



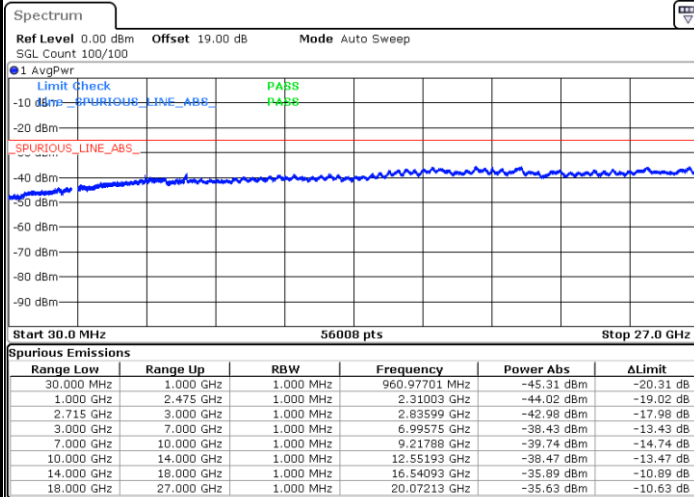
Date: 28.OCT.2020 05:31:02

Middle Channel / 64QAM



Date: 28.OCT.2020 05:36:01

Highest Channel / 64QAM

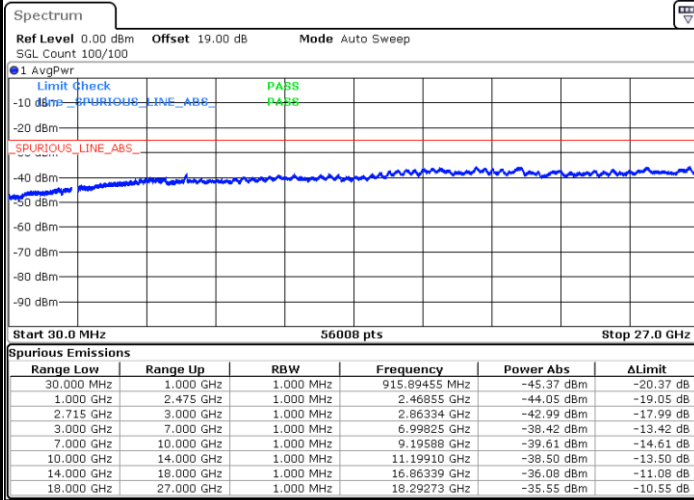


Date: 28.OCT.2020 05:38:46



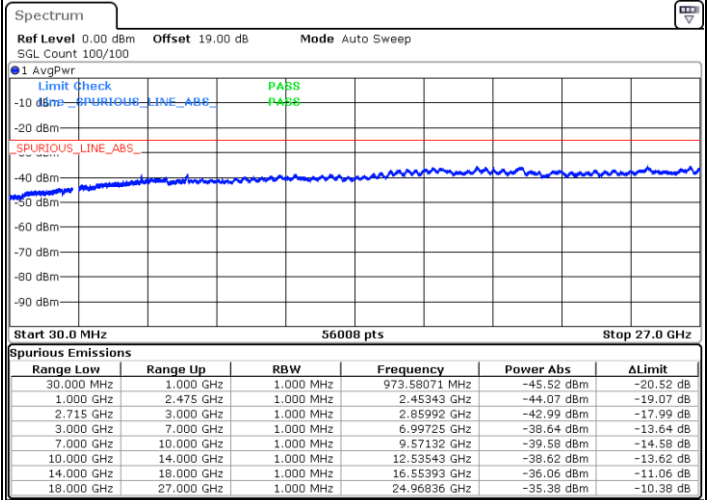
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



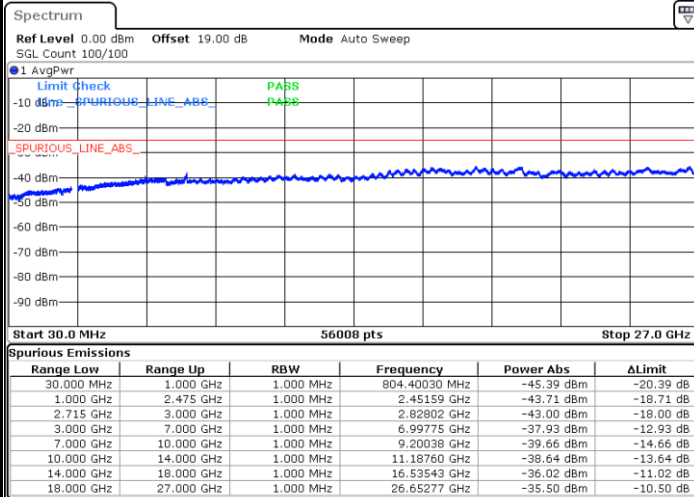
Date: 28.OCT.2020 05:54:20

Middle Channel / 64QAM



Date: 28.OCT.2020 05:57:34

Highest Channel / 64QAM



Date: 28.OCT.2020 06:01:13

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

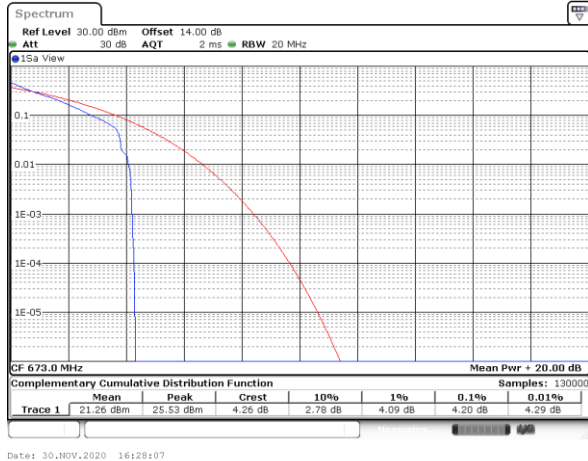
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.20	5.48	5.62	6.38	PASS
Middle CH	3.80	5.33	4.32	6.32	
Highest CH	3.86	5.30	5.51	6.29	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.84	6.99	-	-	PASS
Middle CH	6.78	6.87	-	-	
Highest CH	7.04	6.84	-	-	

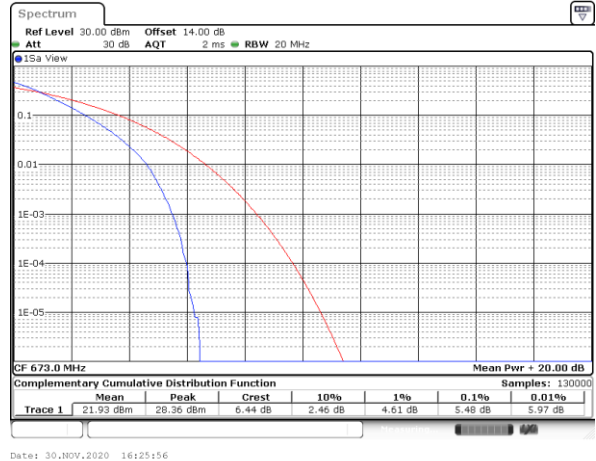


LTE Band 71 / 20MHz / QPSK

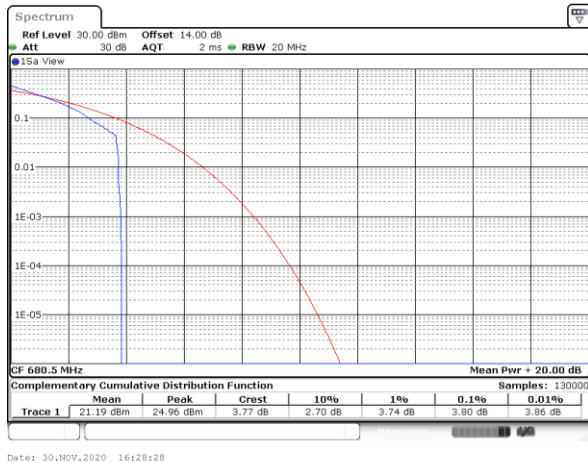
Lowest Channel / 1RB



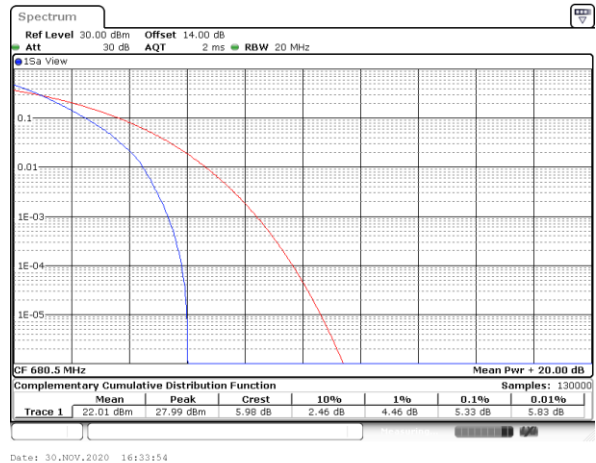
Lowest Channel / Full RB



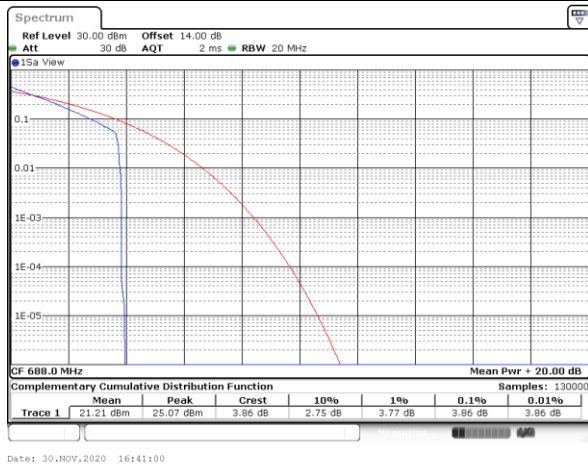
Middle Channel / 1RB



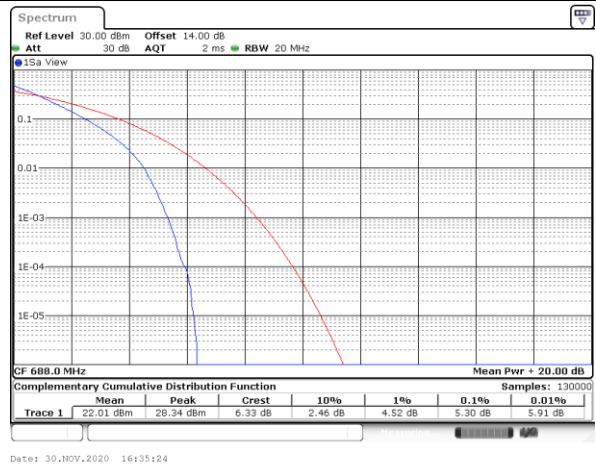
Middle Channel / Full RB



Highest Channel / 1RB



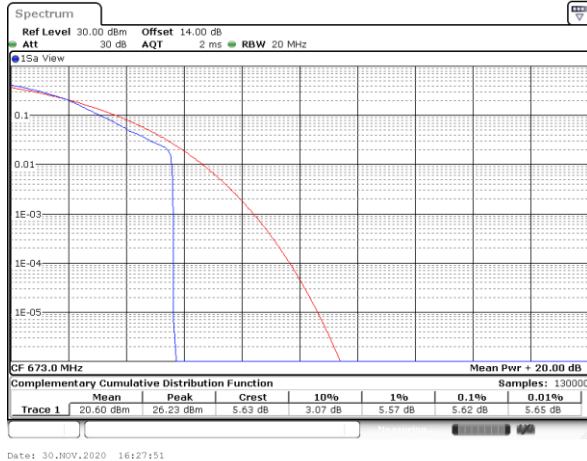
Highest Channel / Full RB



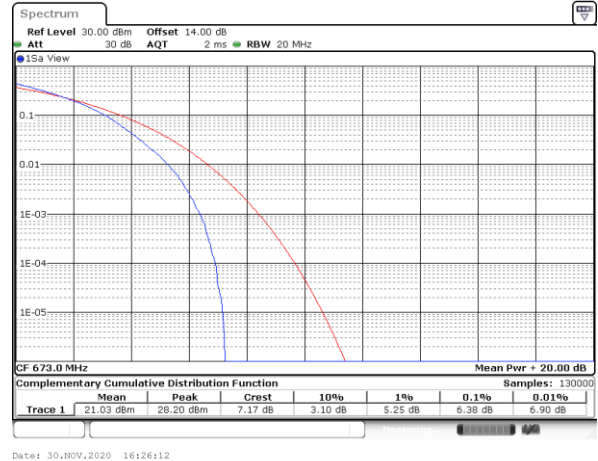


LTE Band 71 / 20MHz / 16QAM

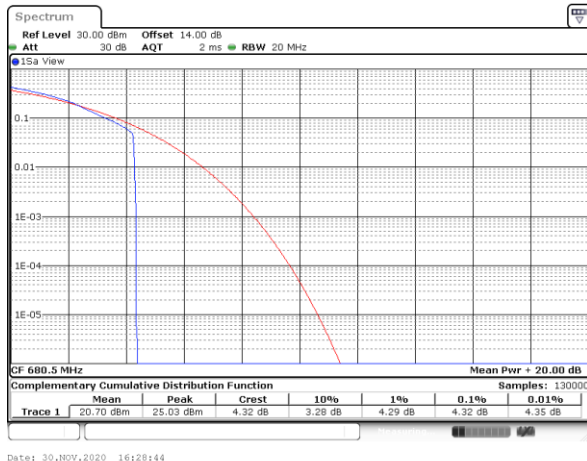
Lowest Channel / 1RB



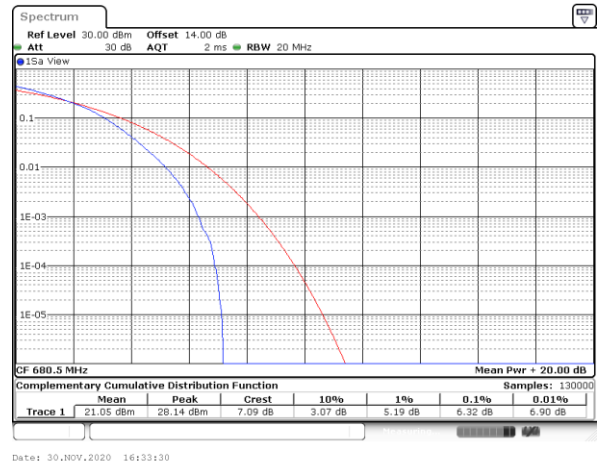
Lowest Channel / Full RB



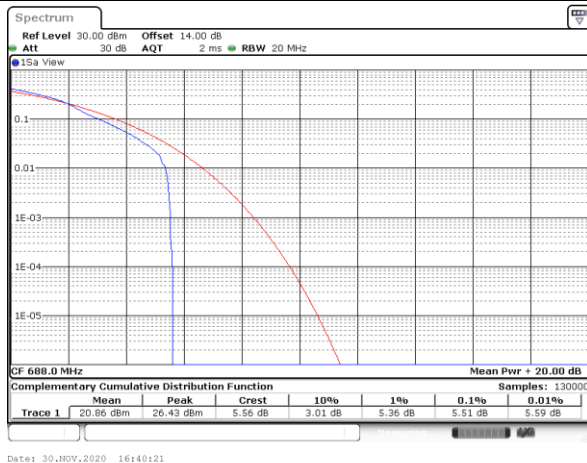
Middle Channel / 1RB



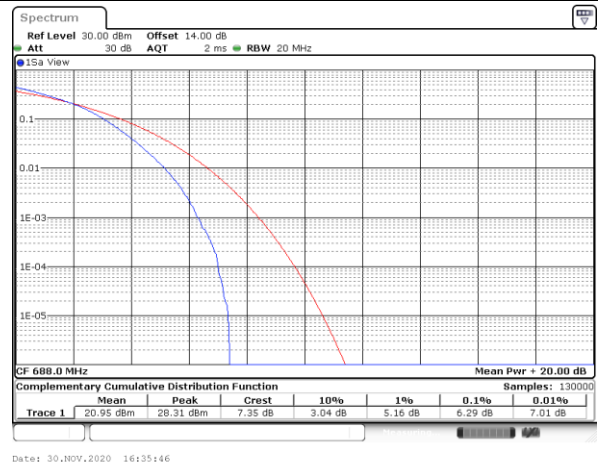
Middle Channel / Full RB



Highest Channel / 1RB



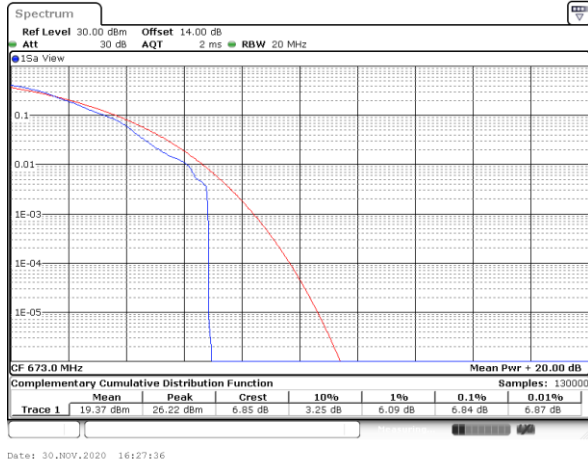
Highest Channel / Full RB



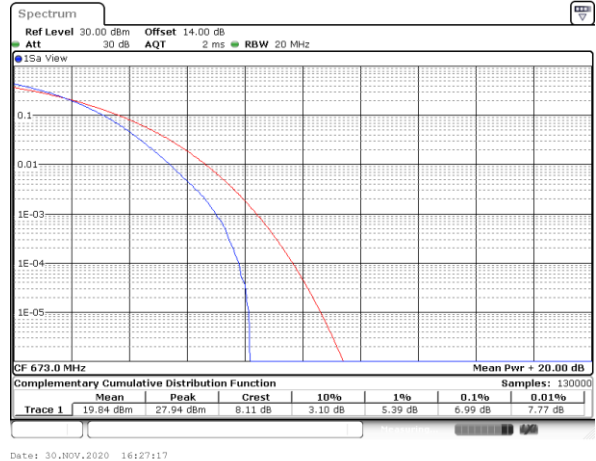


LTE Band 71 / 20MHz / 64QAM

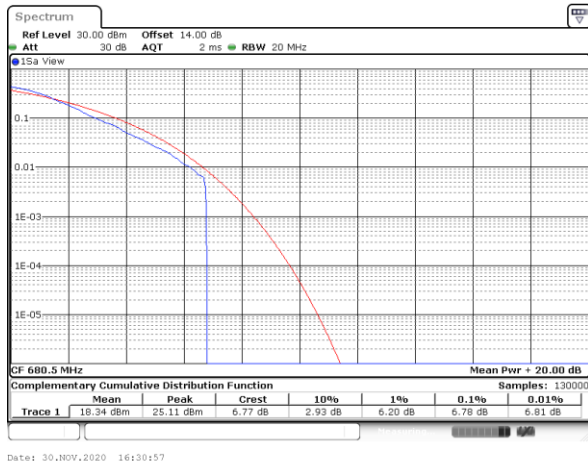
Lowest Channel / 1RB



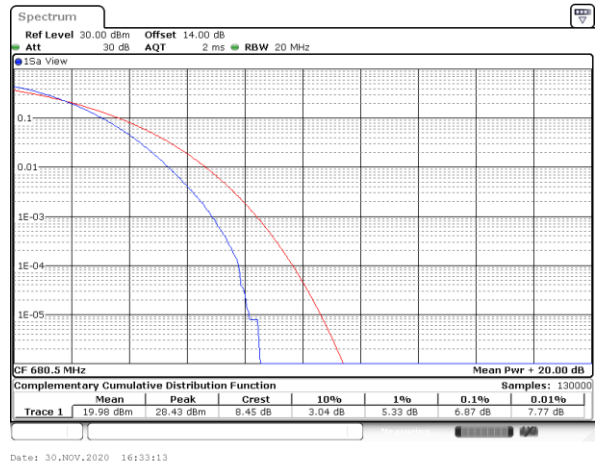
Lowest Channel / Full RB



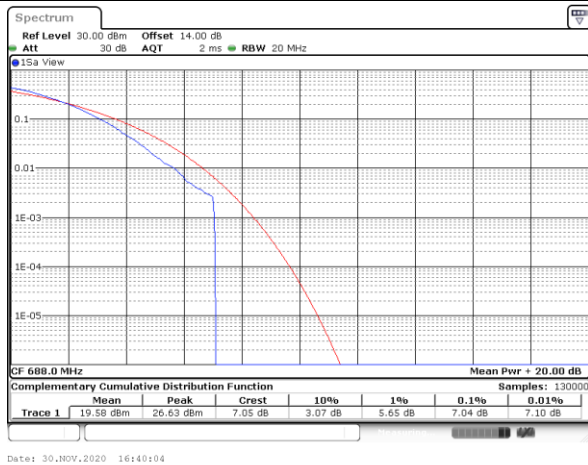
Middle Channel / 1RB



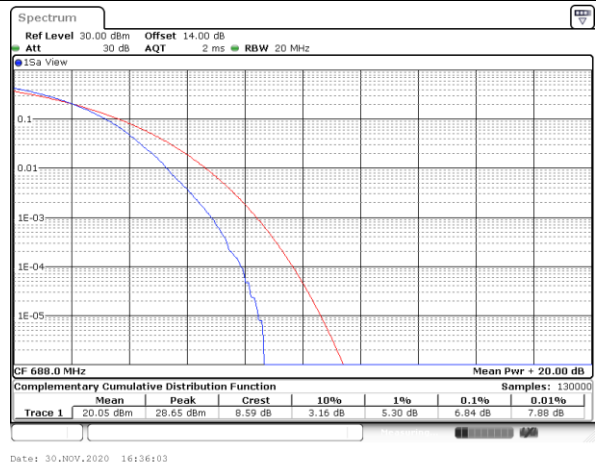
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



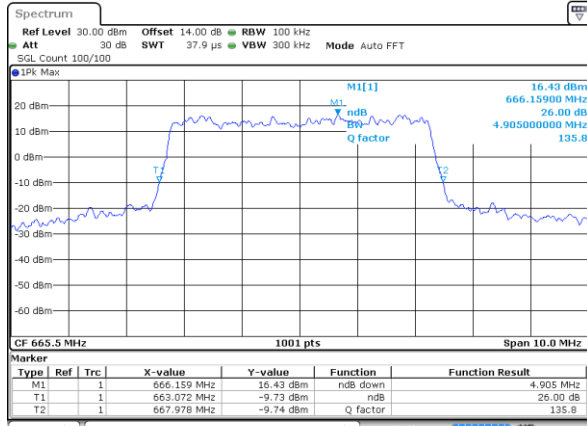
**26dB Bandwidth**

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	-	-	-	-	4.91	4.85	9.61	9.67	14.21	14.45	19.18	19.02
Middle CH	-	-	-	-	4.88	4.86	9.89	9.79	14.36	14.21	18.98	18.70
Highest CH	-	-	-	-	4.88	4.89	9.67	9.79	14.36	14.21	19.06	18.78
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	9.85	-	14.51	-	19.02	-
Middle CH	-	-	-	-	4.88	-	9.63	-	14.42	-	18.78	-
Highest CH	-	-	-	-	4.85	-	9.69	-	14.51	-	19.10	-



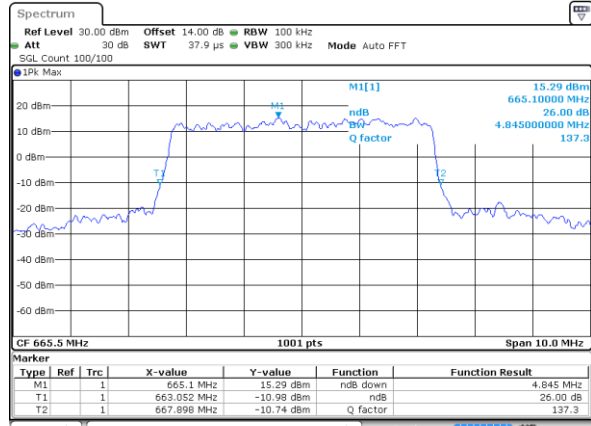
LTE Band 71

Lowest Channel / 5MHz / QPSK



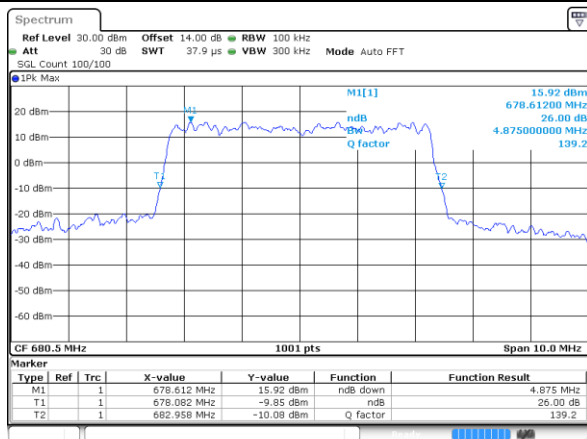
Date: 30 NOV 2020 10:15:39

Lowest Channel / 5MHz / 16QAM



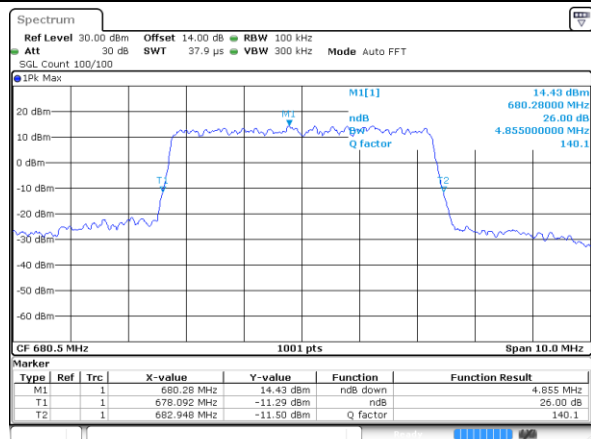
Date: 30 NOV 2020 10:17:08

Middle Channel / 5MHz / QPSK



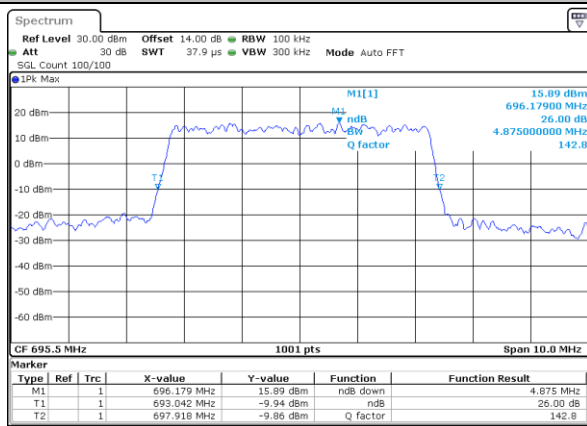
Date: 30 NOV 2020 10:25:48

Middle Channel / 5MHz / 16QAM



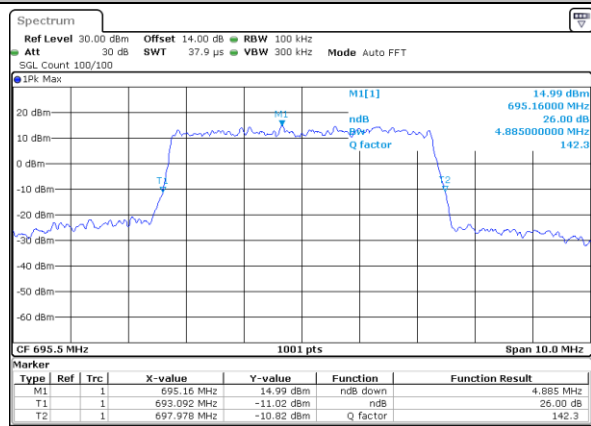
Date: 30 NOV 2020 10:25:24

Highest Channel / 5MHz / QPSK



Date: 30 NOV 2020 10:26:20

Highest Channel / 5MHz / 16QAM

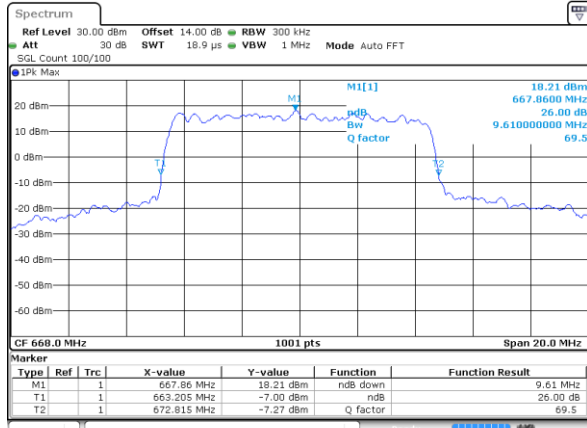


Date: 30 NOV 2020 10:27:21

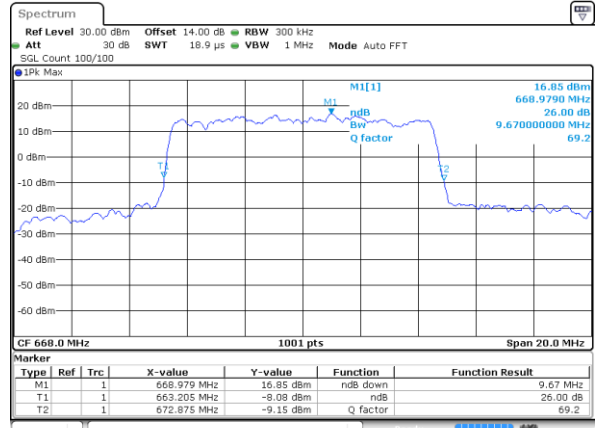


LTE Band 71

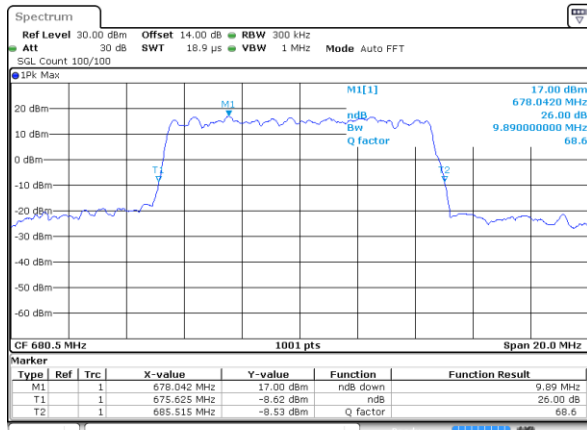
Lowest Channel / 10MHz / QPSK



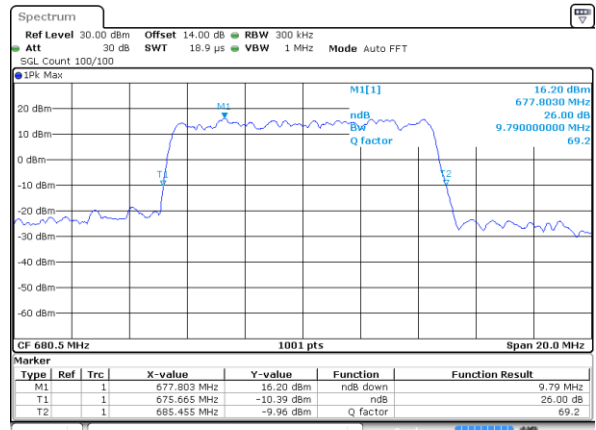
Lowest Channel / 10MHz / 16QAM



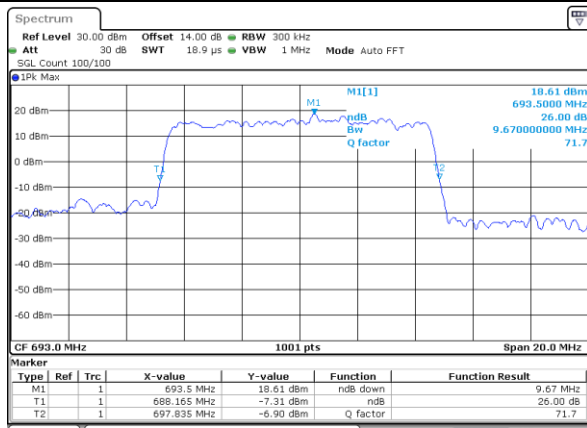
Middle Channel / 10MHz / QPSK



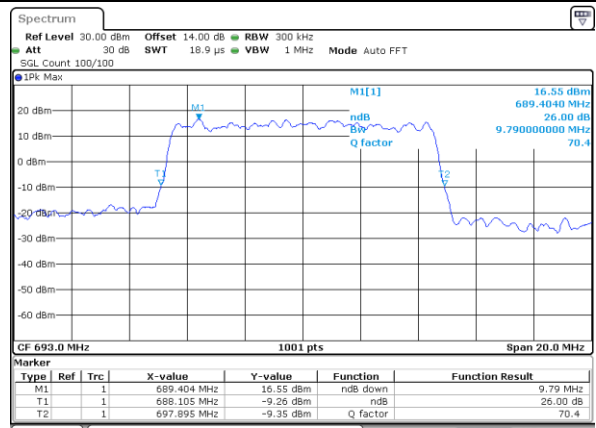
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



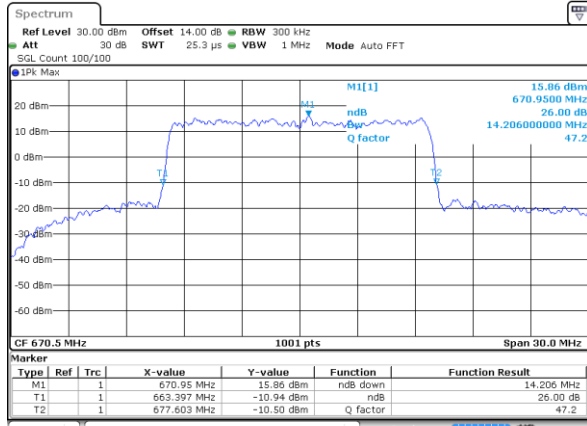
Highest Channel / 10MHz / 16QAM



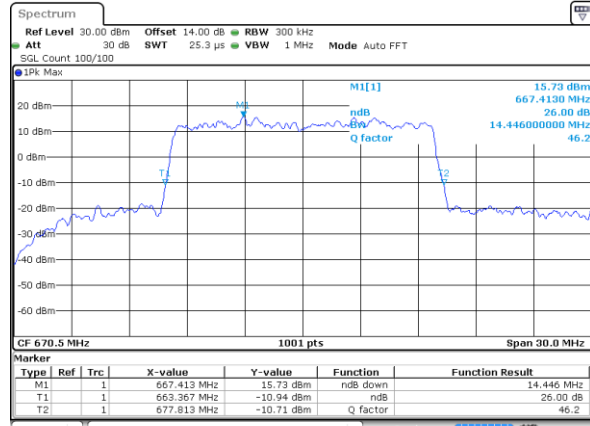


LTE Band 71

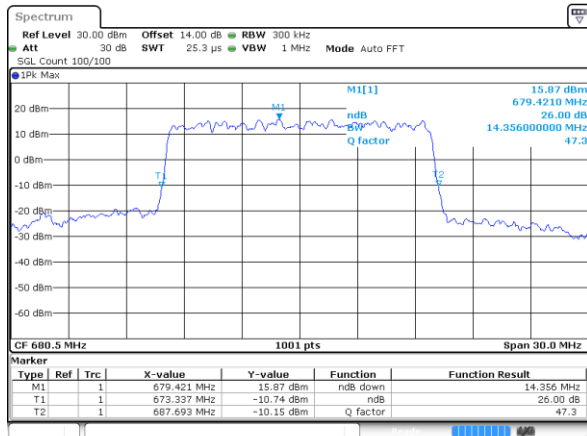
Lowest Channel / 15MHz / QPSK



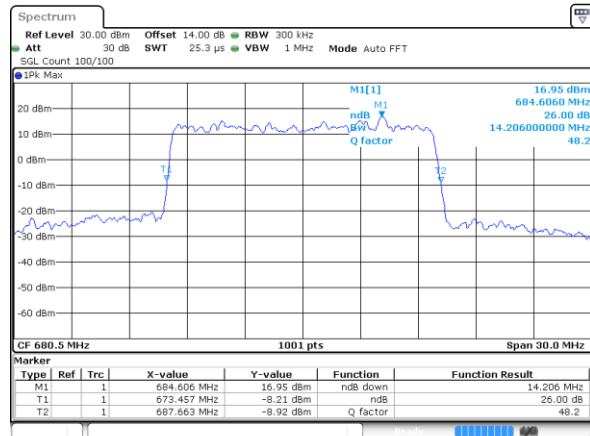
Lowest Channel / 15MHz / 16QAM



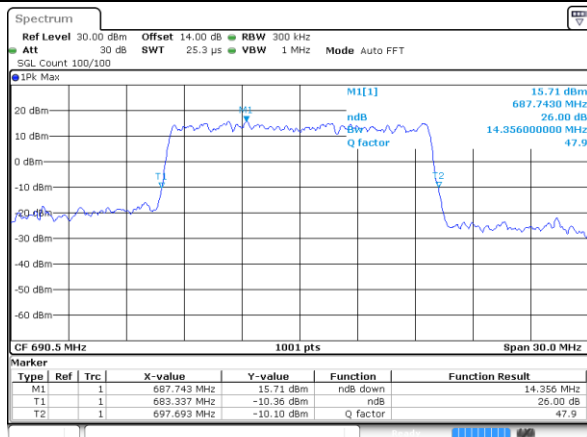
Middle Channel / 15MHz / QPSK



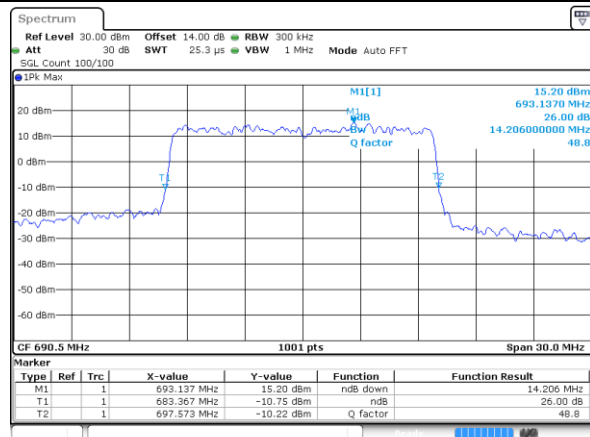
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



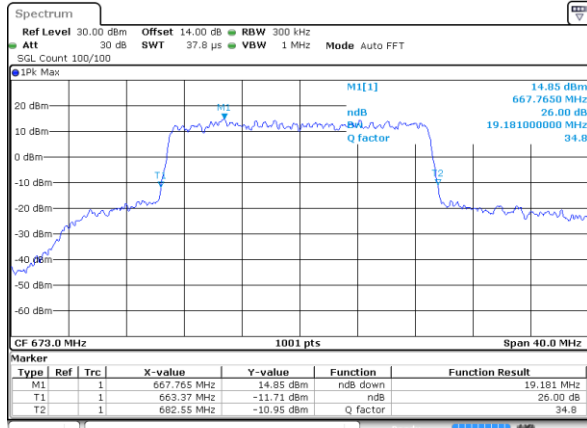
Highest Channel / 15MHz / 16QAM





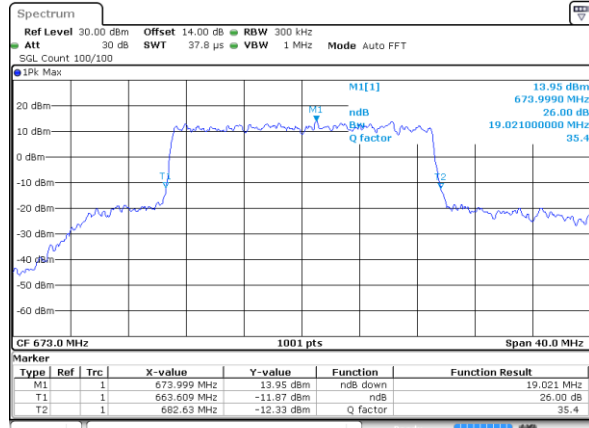
LTE Band 71

Lowest Channel / 20MHz / QPSK



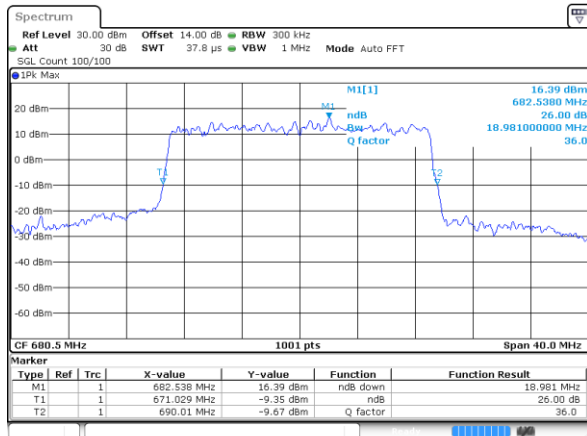
Date: 30 NOV 2020 11:24:32

Lowest Channel / 20MHz / 16QAM



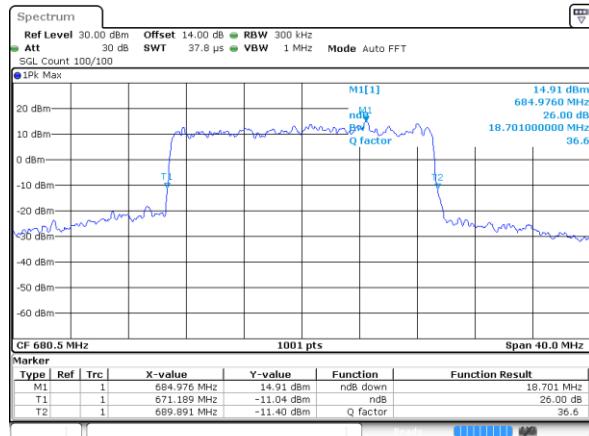
Date: 30 NOV 2020 11:25:59

Middle Channel / 20MHz / QPSK



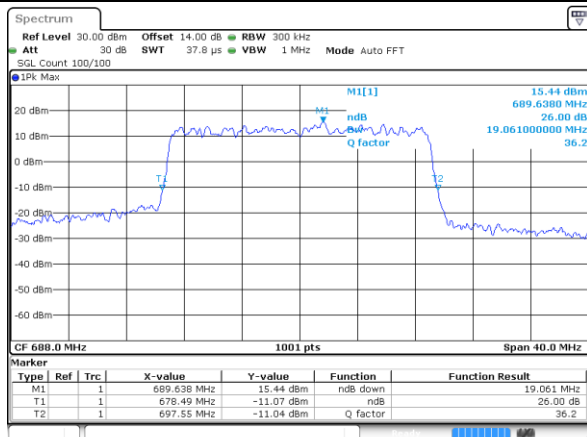
Date: 30 NOV 2020 11:35:36

Middle Channel / 20MHz / 16QAM



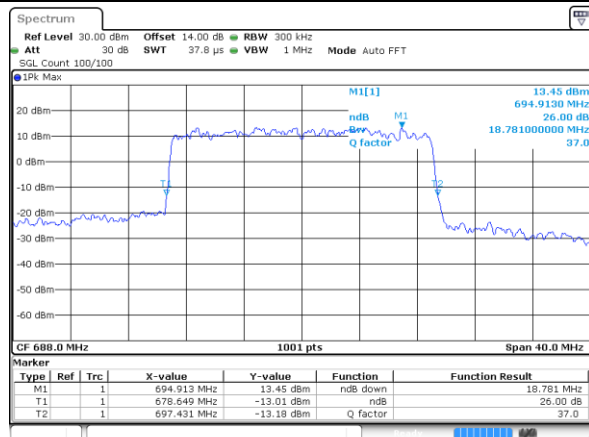
Date: 30 NOV 2020 11:36:18

Highest Channel / 20MHz / QPSK



Date: 30 NOV 2020 11:39:39

Highest Channel / 20MHz / 16QAM

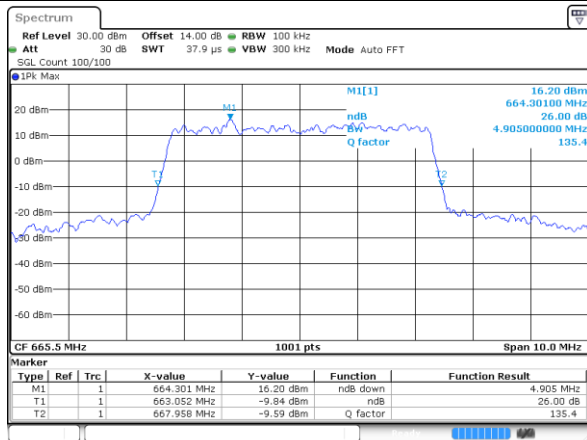


Date: 30 NOV 2020 11:38:38



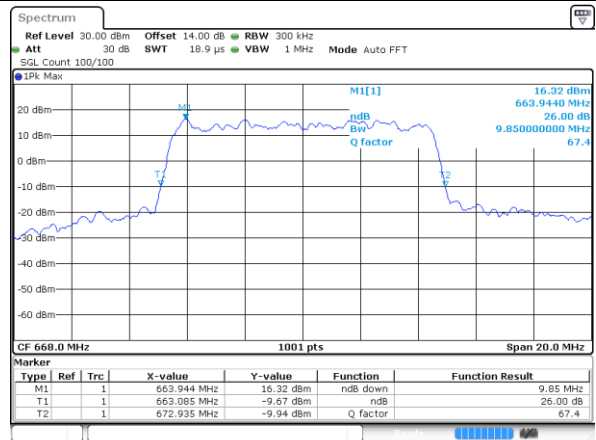
LTE Band 71

Lowest Channel / 5MHz / 64QAM



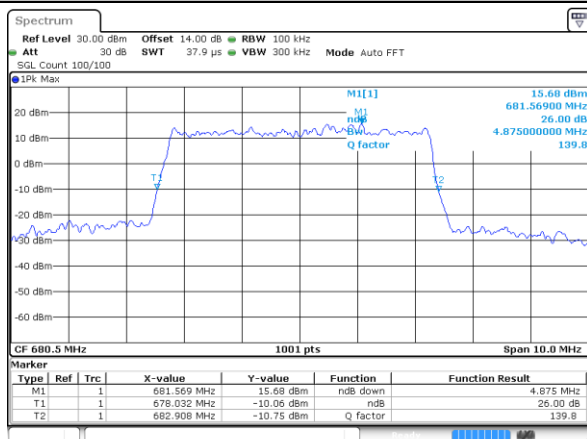
Date: 30 NOV 2020 10:18:21

Lowest Channel / 10MHz / 64QAM



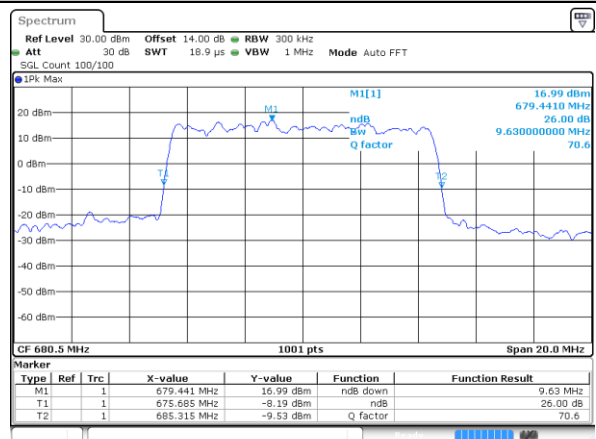
Date: 30 NOV 2020 10:37:32

Middle Channel / 5MHz / 64QAM



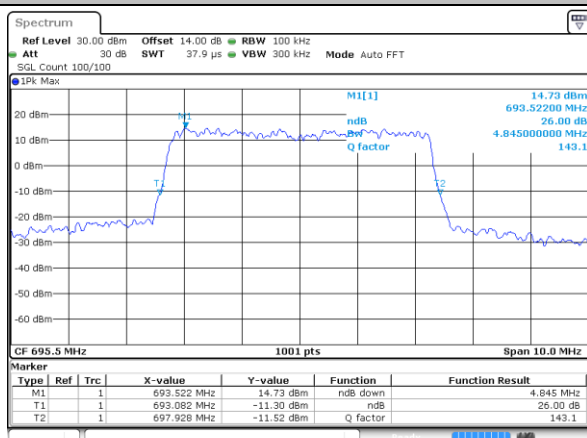
Date: 30 NOV 2020 10:25:00

Middle Channel / 10MHz / 64QAM



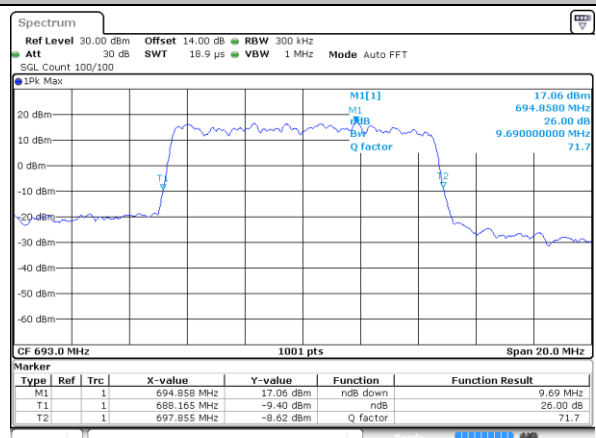
Date: 30 NOV 2020 10:41:24

Highest Channel / 5MHz / 64QAM



Date: 30 NOV 2020 10:28:25

Highest Channel / 10MHz / 64QAM

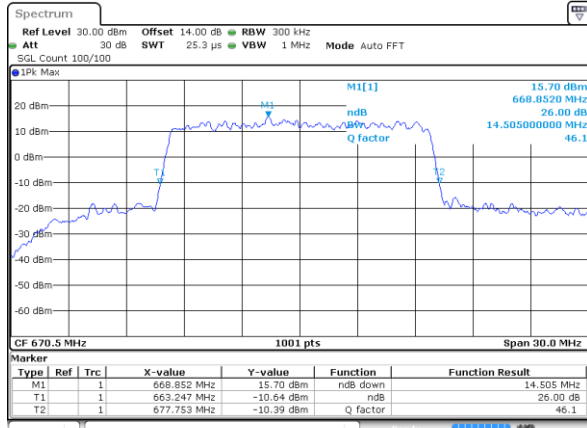


Date: 30 NOV 2020 10:45:02



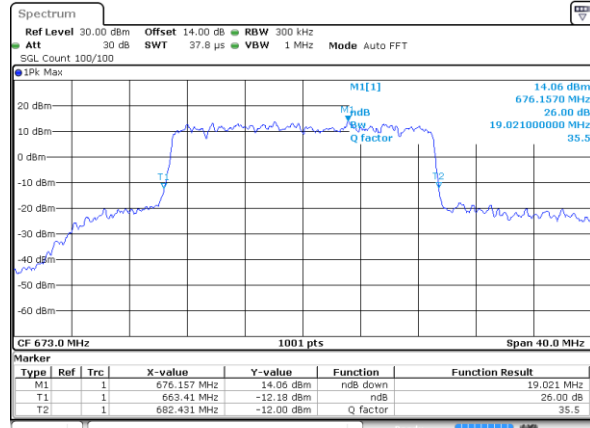
LTE Band 71

Lowest Channel / 15MHz / 64QAM



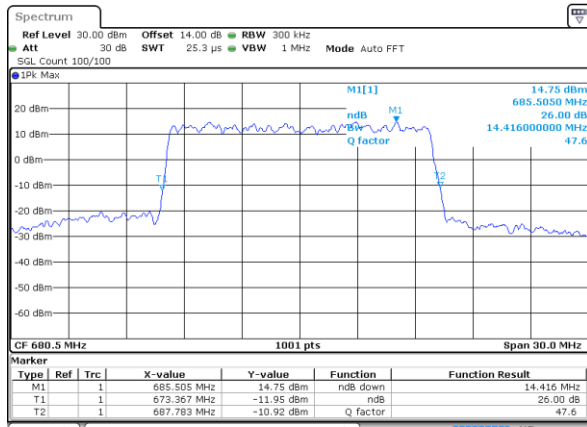
Date: 30 NOV 2020 11:02:21

Lowest Channel / 20MHz / 64QAM



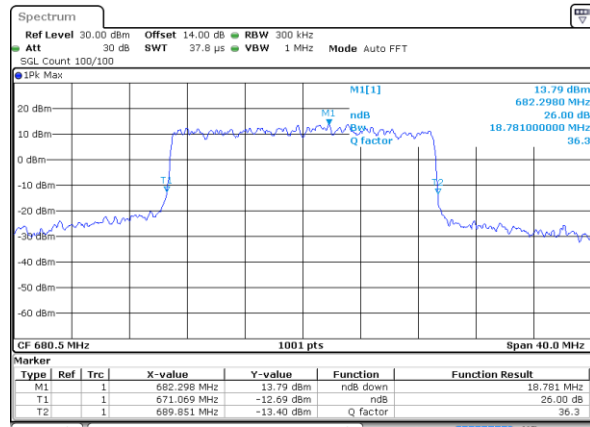
Date: 30 NOV 2020 11:26:59

Middle Channel / 15MHz / 64QAM



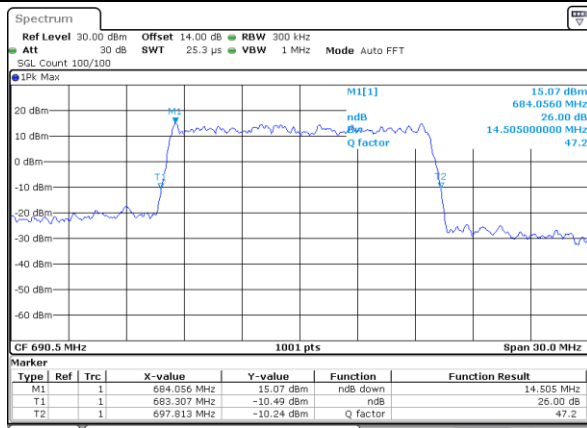
Date: 30 NOV 2020 11:06:49

Middle Channel / 20MHz / 64QAM



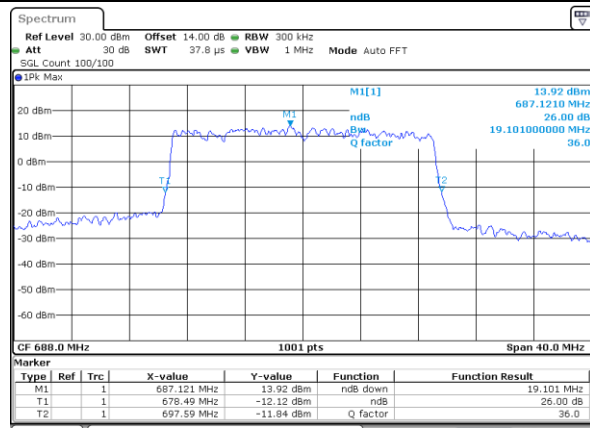
Date: 30 NOV 2020 11:36:46

Highest Channel / 15MHz / 64QAM



Date: 30 NOV 2020 11:10:37

Highest Channel / 20MHz / 64QAM



Date: 30 NOV 2020 11:37:36

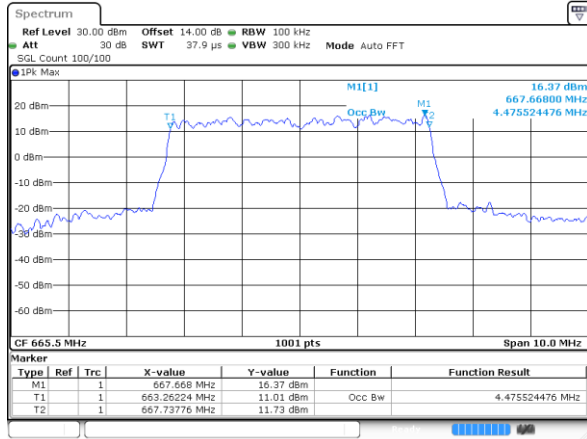
**Occupied Bandwidth**

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	4.47	9.07	8.99	13.40	13.40	17.94	17.90
Middle CH	-	-	-	-	4.49	4.50	9.05	9.05	13.37	13.37	17.90	17.94
Highest CH	-	-	-	-	4.50	4.49	9.03	8.99	13.43	13.40	17.90	17.90
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	-	9.01	-	13.40	-	17.86	-
Middle CH	-	-	-	-	4.51	-	9.01	-	13.46	-	17.90	-
Highest CH	-	-	-	-	4.51	-	9.05	-	13.52	-	17.82	-



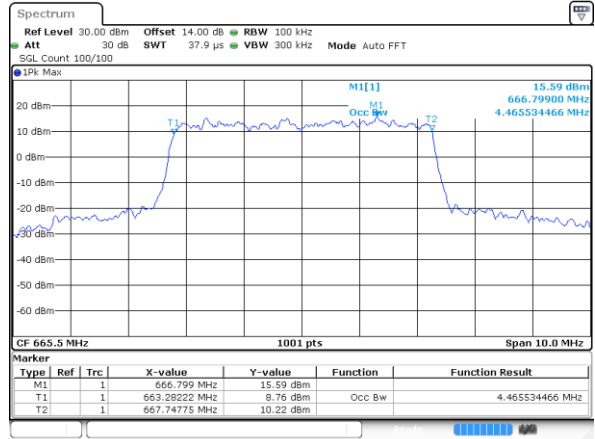
LTE Band 71

Lowest Channel / 5MHz / QPSK



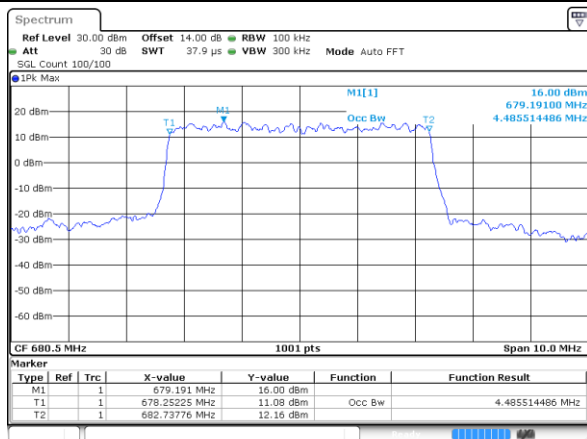
Date: 30 NOV 2020 10:15:31

Lowest Channel / 5MHz / 16QAM



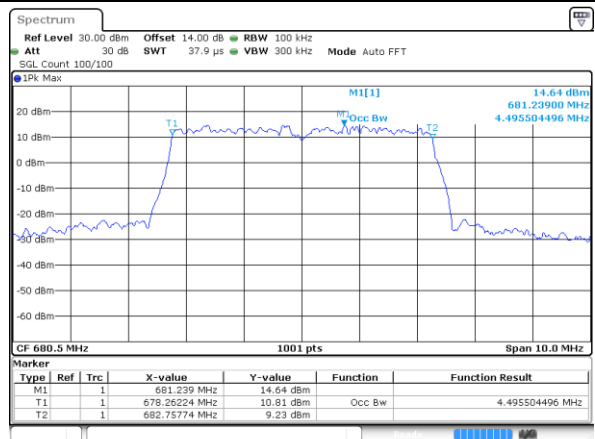
Date: 30 NOV 2020 10:17:00

Middle Channel / 5MHz / QPSK



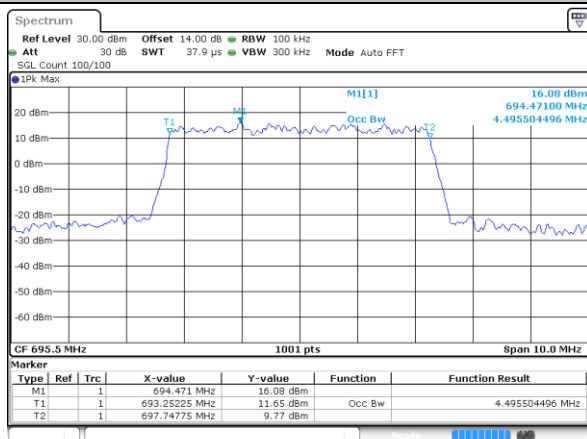
Date: 30 NOV 2020 10:25:41

Middle Channel / 5MHz / 16QAM



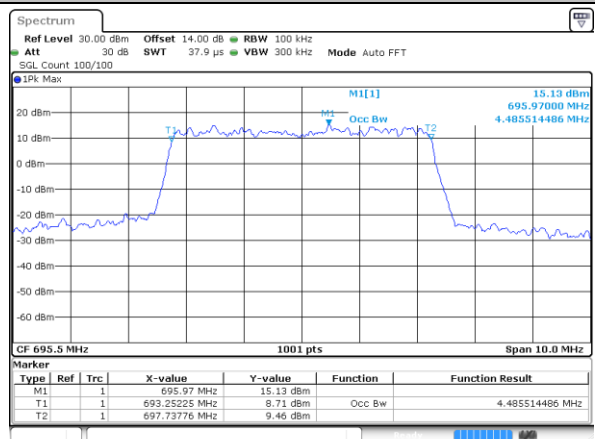
Date: 30 NOV 2020 10:25:15

Highest Channel / 5MHz / QPSK



Date: 30 NOV 2020 10:26:12

Highest Channel / 5MHz / 16QAM

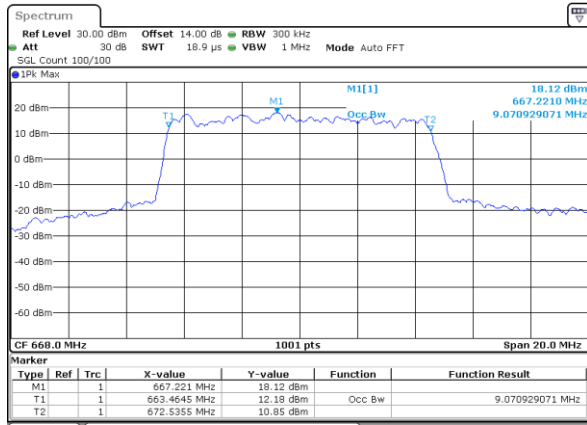


Date: 30 NOV 2020 10:27:13



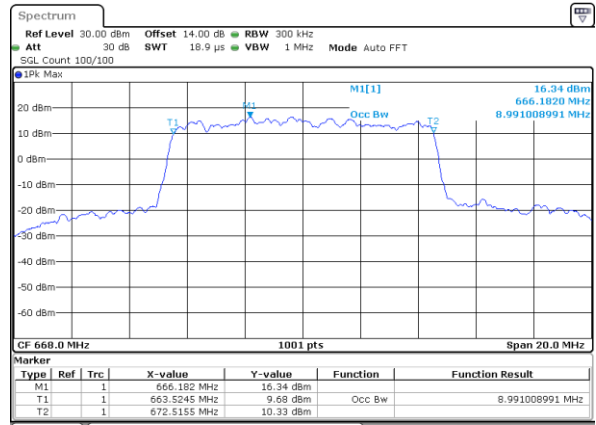
LTE Band 71

Lowest Channel / 10MHz / QPSK



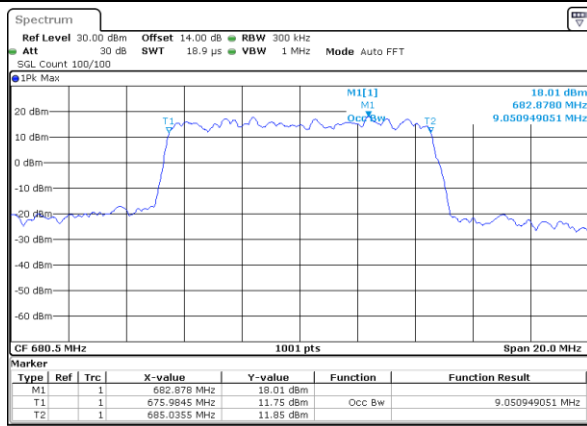
Date: 30 NOV 2020 10:35:27

Lowest Channel / 10MHz / 16QAM



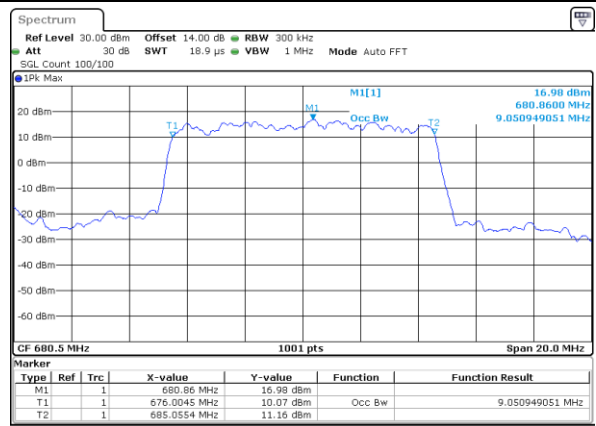
Date: 30 NOV 2020 10:36:25

Middle Channel / 10MHz / QPSK



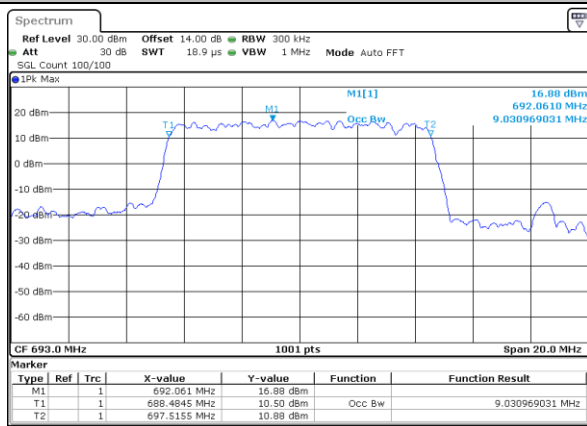
Date: 30 NOV 2020 10:42:13

Middle Channel / 10MHz / 16QAM



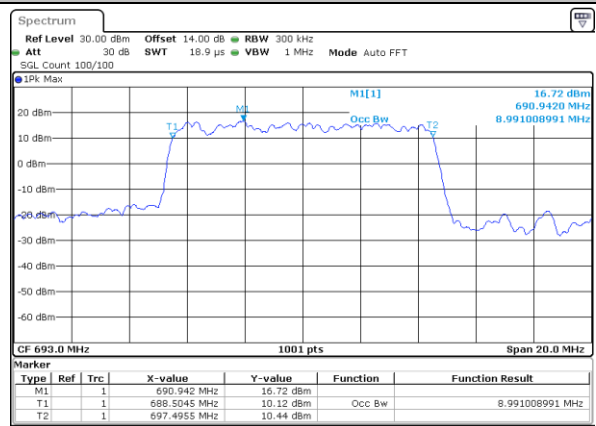
Date: 30 NOV 2020 10:41:49

Highest Channel / 10MHz / QPSK



Date: 30 NOV 2020 10:42:48

Highest Channel / 10MHz / 16QAM

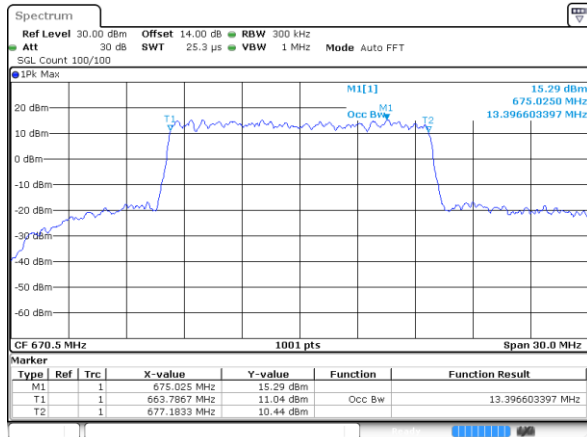


Date: 30 NOV 2020 10:43:50

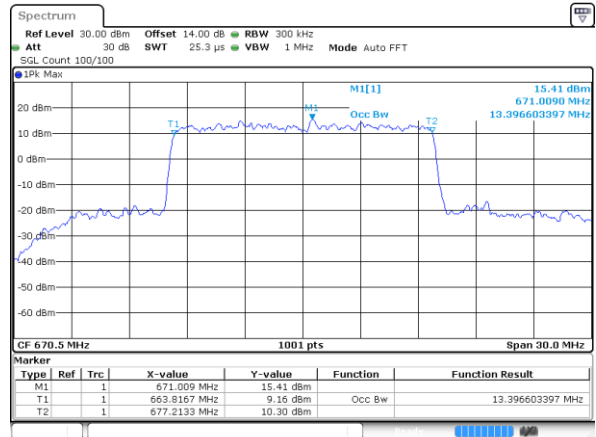


LTE Band 71

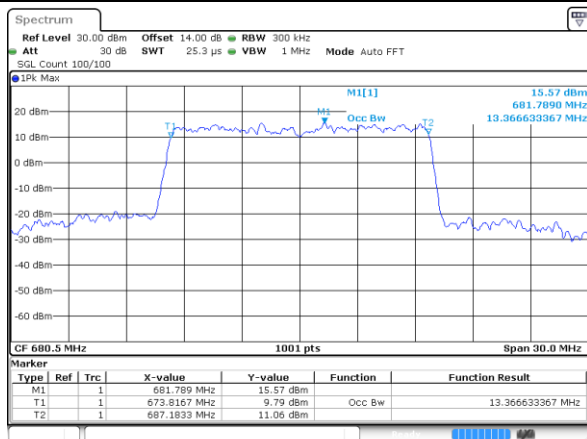
Lowest Channel / 15MHz / QPSK



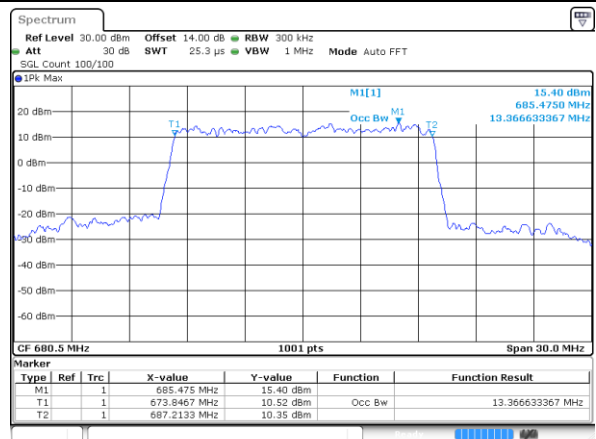
Lowest Channel / 15MHz / 16QAM



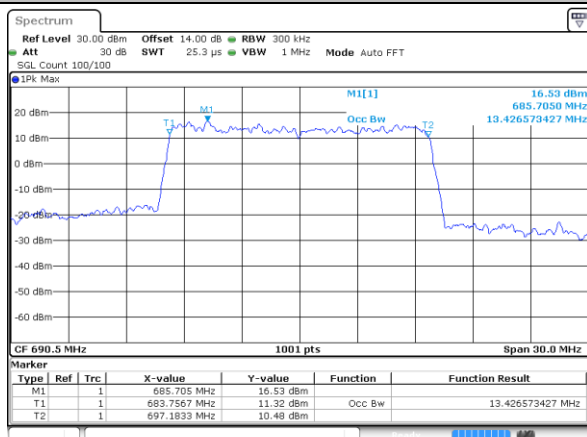
Middle Channel / 15MHz / QPSK



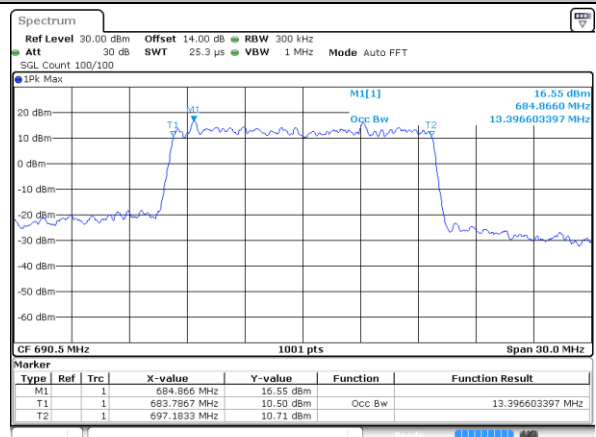
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



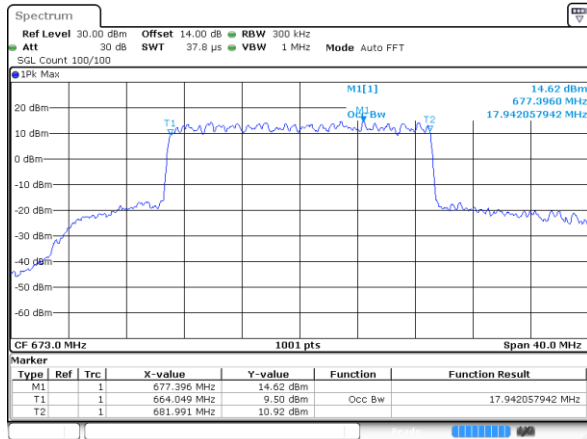
Highest Channel / 15MHz / 16QAM



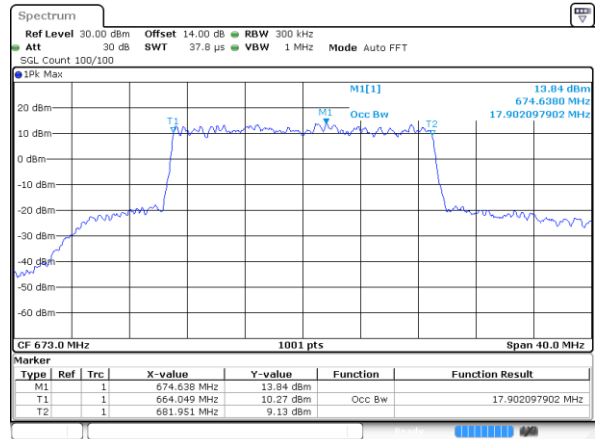


LTE Band 71

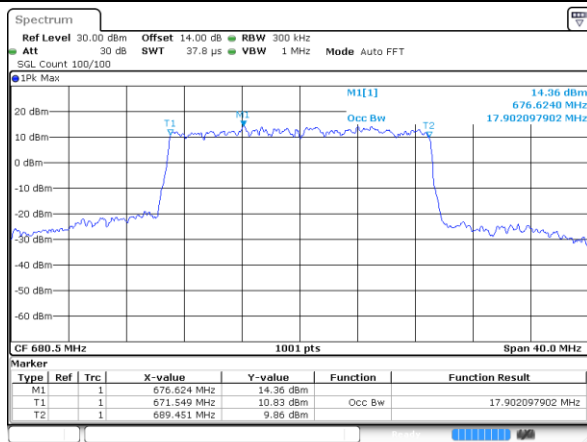
Lowest Channel / 20MHz / QPSK



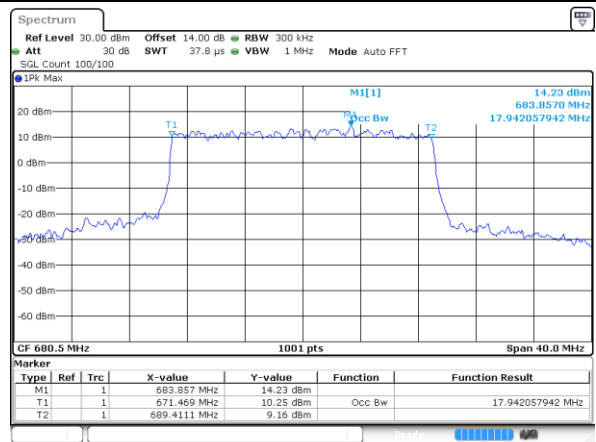
Lowest Channel / 20MHz / 16QAM



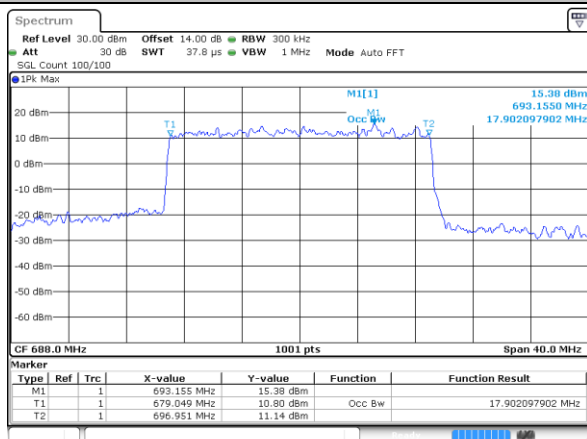
Middle Channel / 20MHz / QPSK



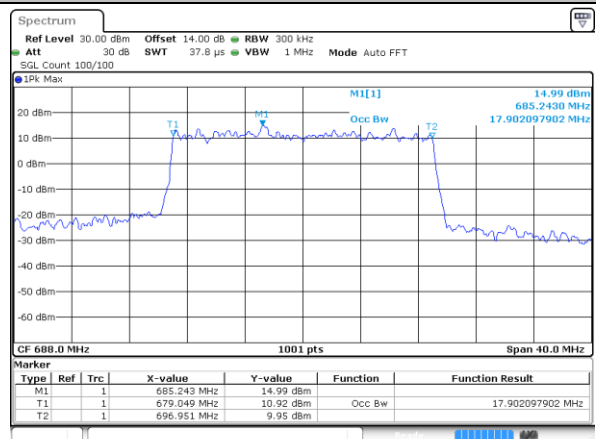
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



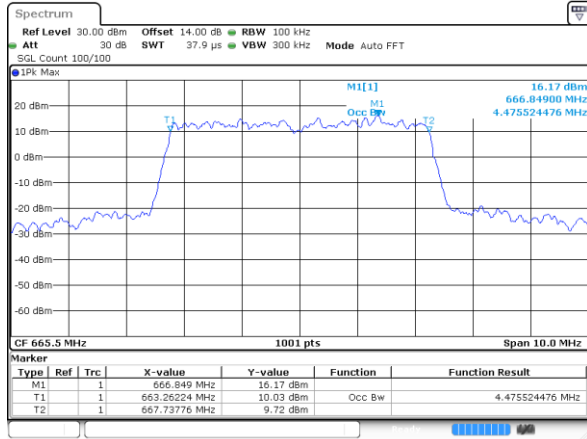
Highest Channel / 20MHz / 16QAM



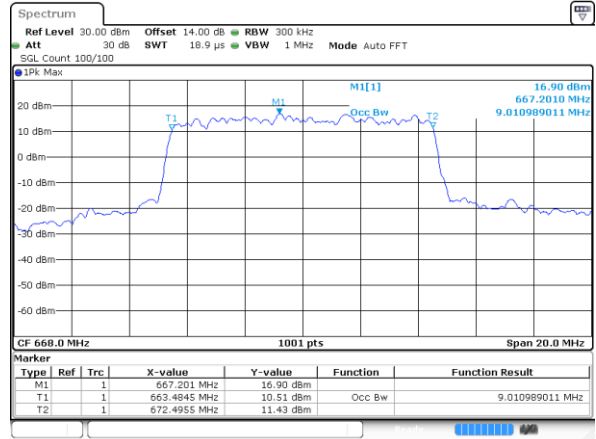


LTE Band 71

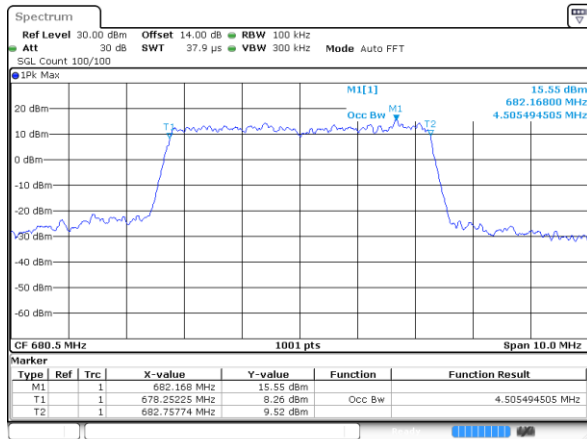
Lowest Channel / 5MHz / 64QAM



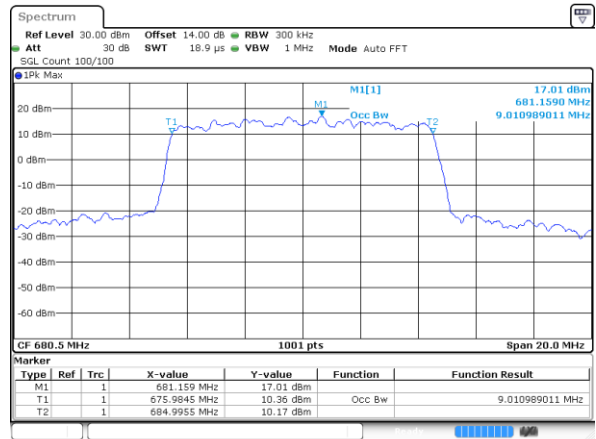
Lowest Channel / 10MHz / 64QAM



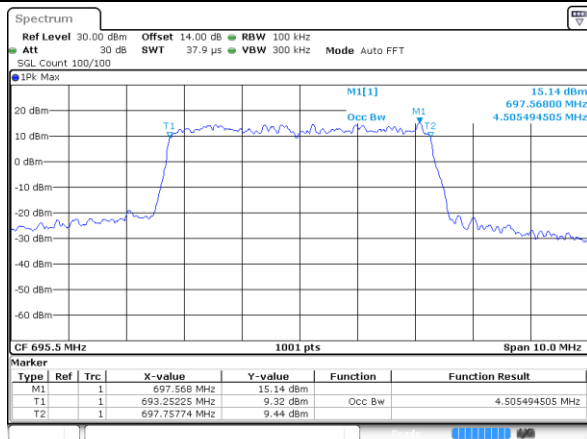
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

