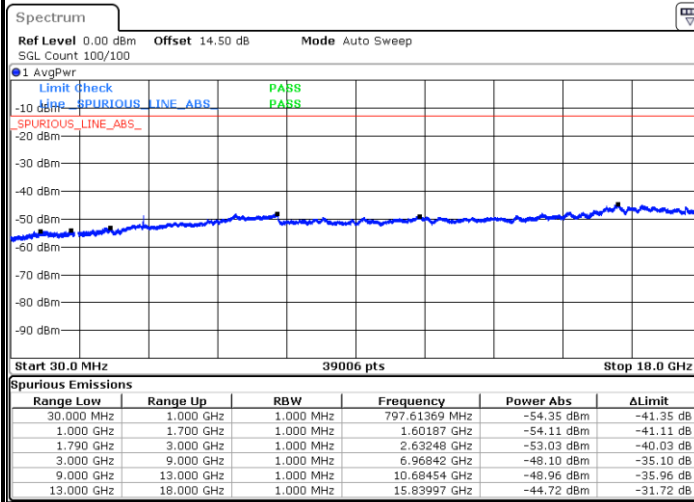




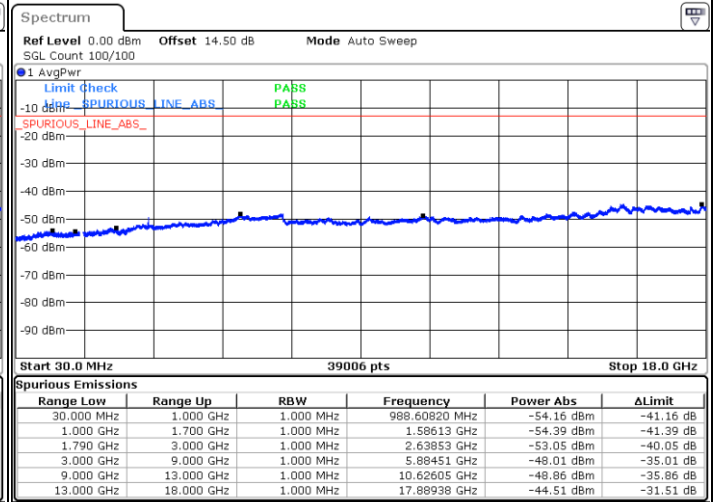
LTE Band 66 / 3MHz

Middle Channel / QPSK



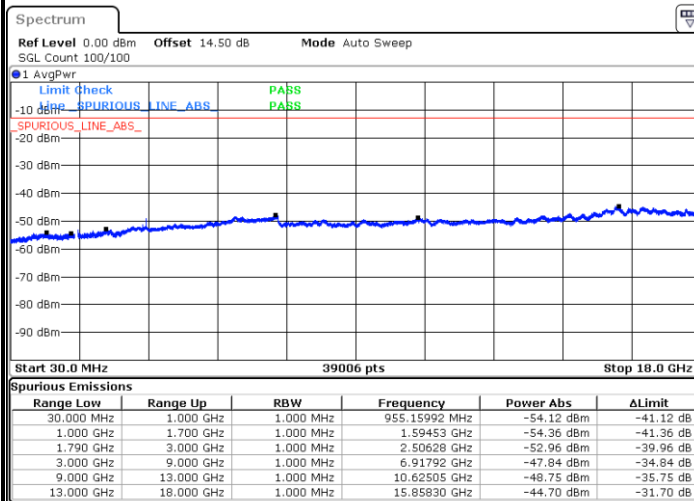
Date: 17.AUG.2020 11:16:41

Middle Channel / 16QAM



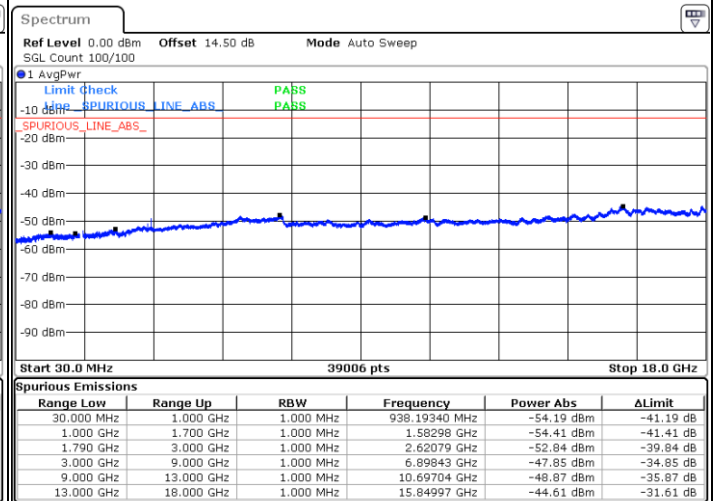
Date: 17.AUG.2020 11:17:29

Highest Channel / QPSK



Date: 17.AUG.2020 11:21:25

Highest Channel / 16QAM

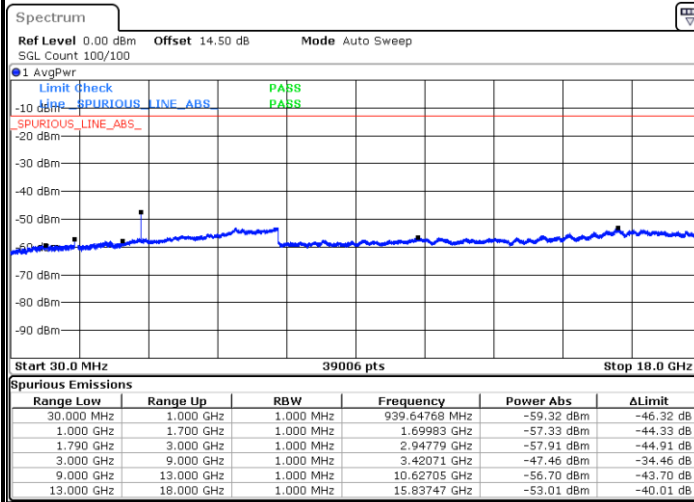


Date: 17.AUG.2020 11:20:24



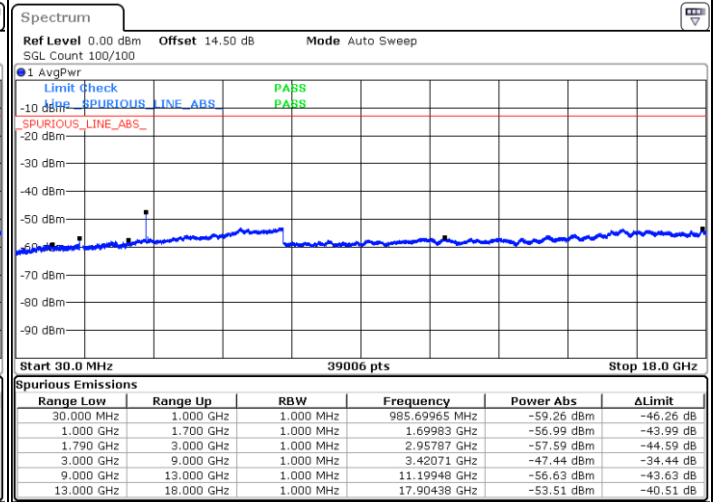
LTE Band 66 / 5MHz

Lowest Channel / QPSK



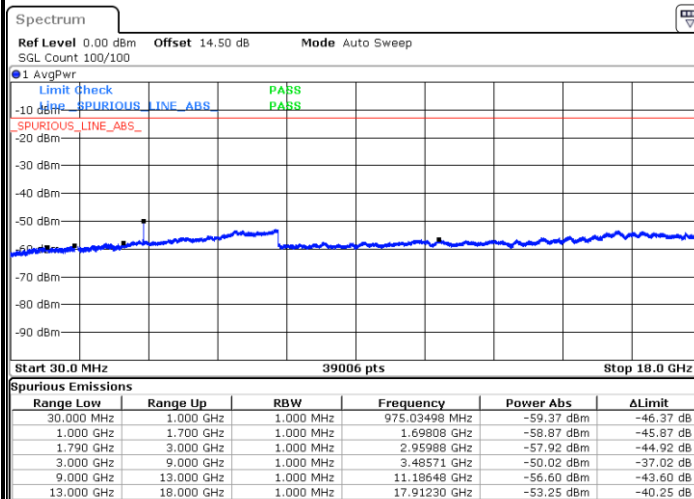
Date: 17.AUG.2020 09:47:04

Lowest Channel / 16QAM



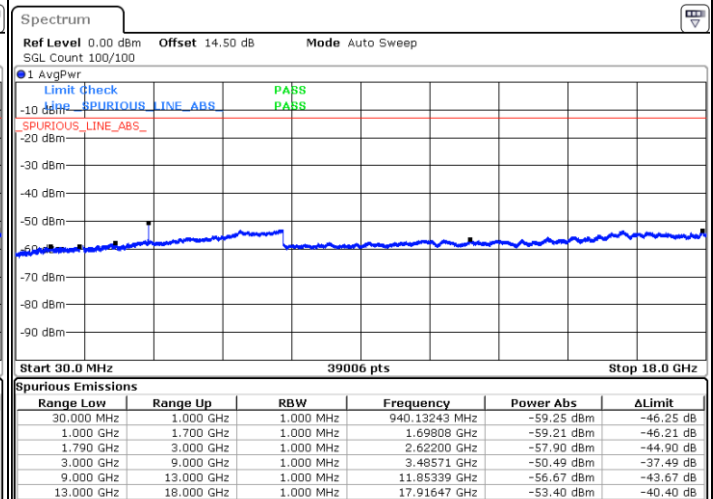
Date: 17.AUG.2020 09:47:58

Middle Channel / QPSK



Date: 17.AUG.2020 09:52:09

Middle Channel / 16QAM

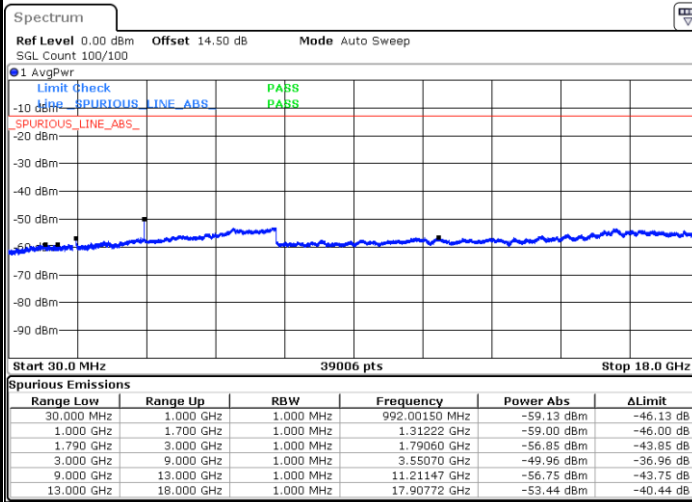


Date: 17.AUG.2020 09:51:18



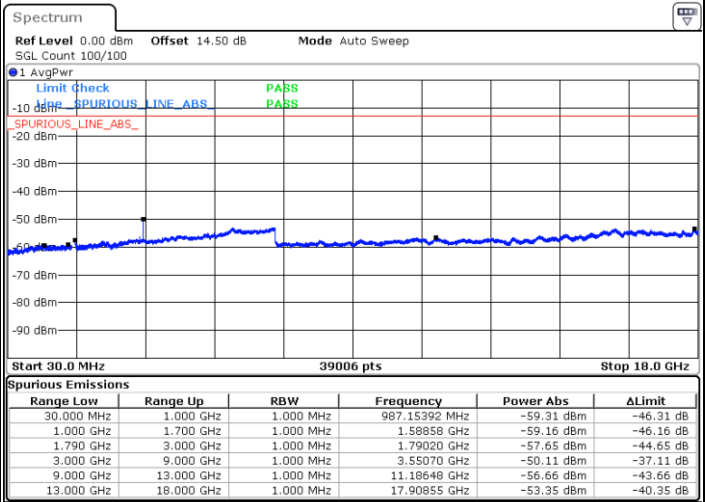
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 17.AUG.2020 09:53:31

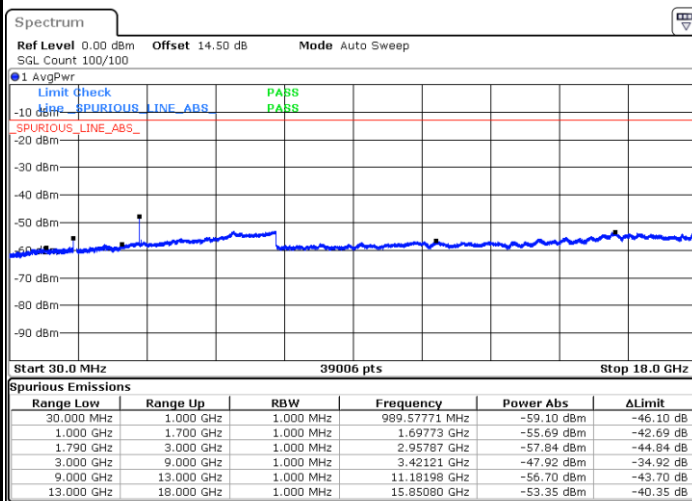
Highest Channel / 16QAM



Date: 17.AUG.2020 09:54:19

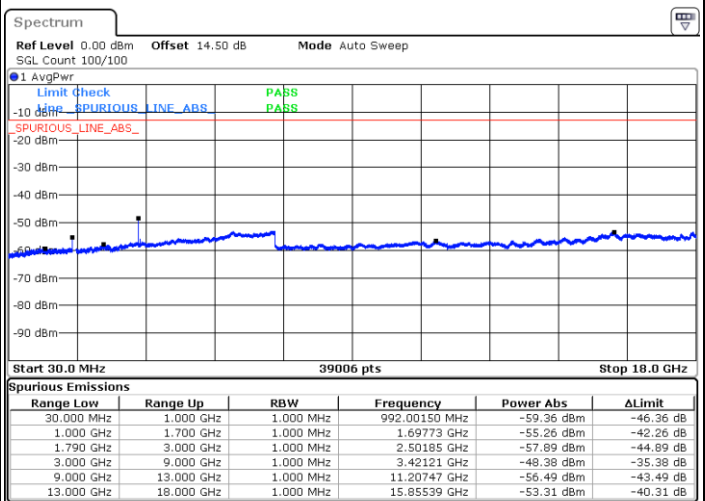
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 10:02:24

Lowest Channel / 16QAM

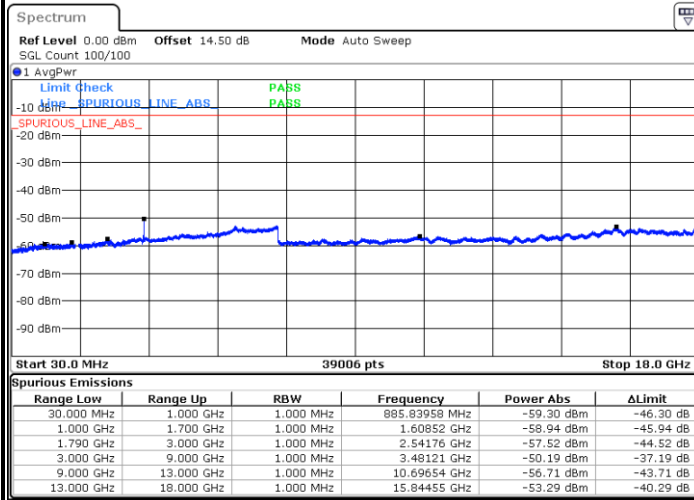


Date: 17.AUG.2020 10:04:13



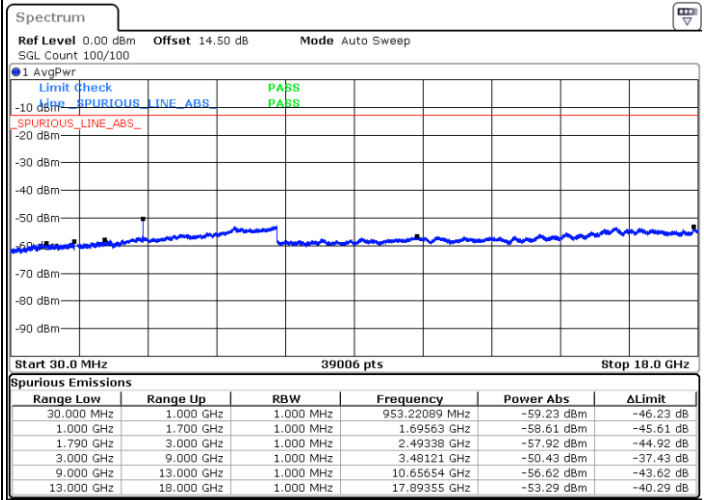
LTE Band 66 / 10MHz

Middle Channel / QPSK



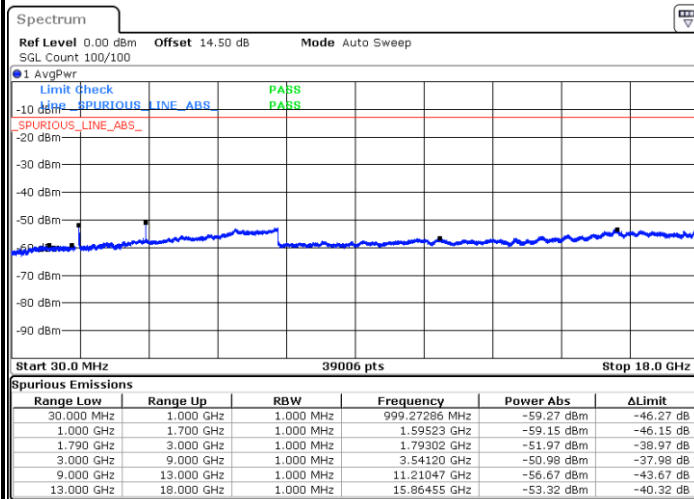
Date: 17.AUG.2020 10:11:14

Middle Channel / 16QAM



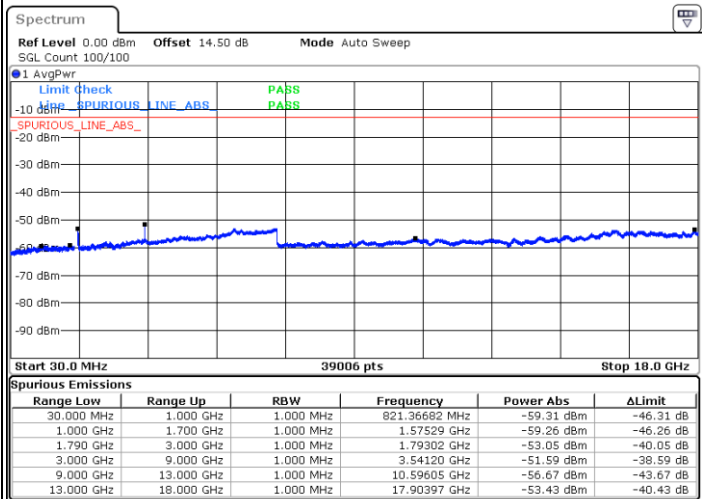
Date: 17.AUG.2020 10:10:12

Highest Channel / QPSK



Date: 17.AUG.2020 10:15:55

Highest Channel / 16QAM

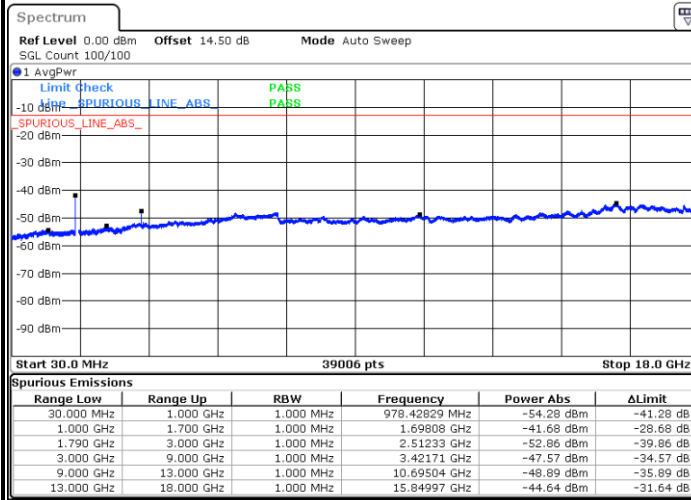


Date: 17.AUG.2020 10:16:42



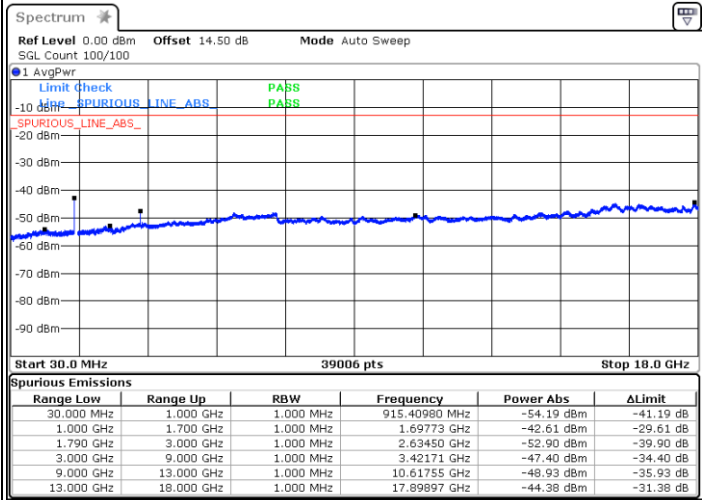
LTE Band 66 / 15MHz

Lowest Channel / QPSK



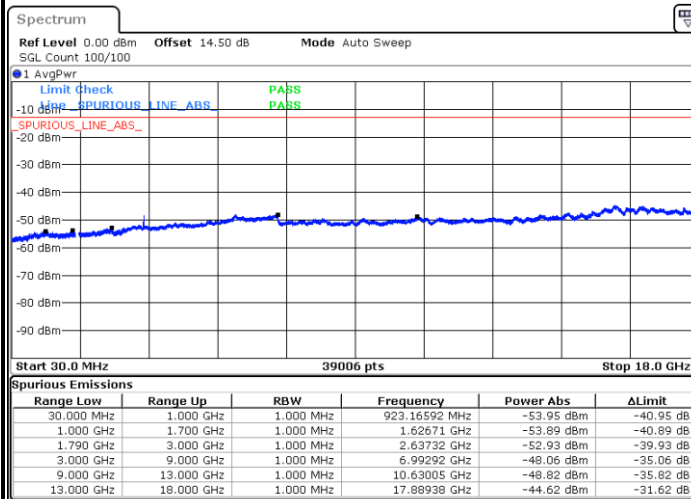
Date: 17.AUG.2020 10:23:05

Lowest Channel / 16QAM



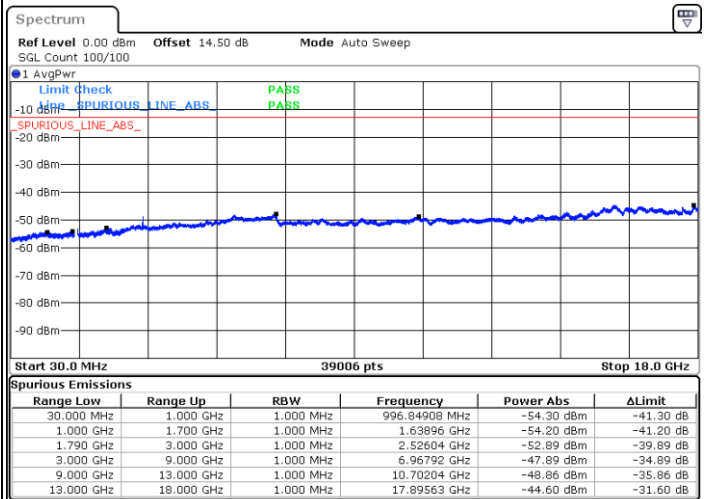
Date: 17.AUG.2020 10:25:08

Middle Channel / QPSK



Date: 17.AUG.2020 10:29:26

Middle Channel / 16QAM

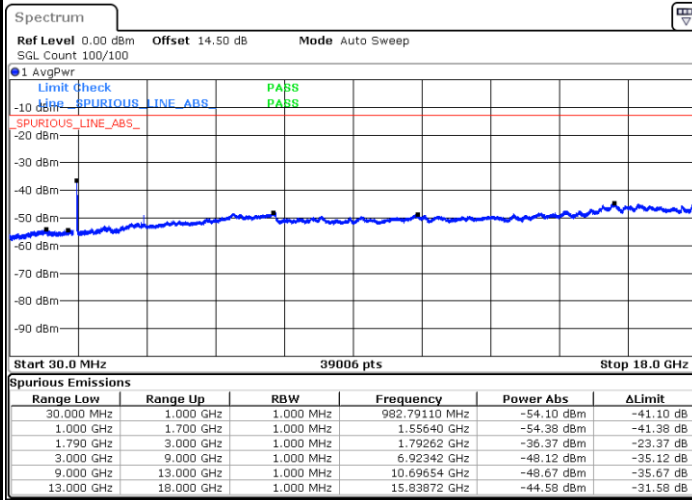


Date: 17.AUG.2020 10:28:44



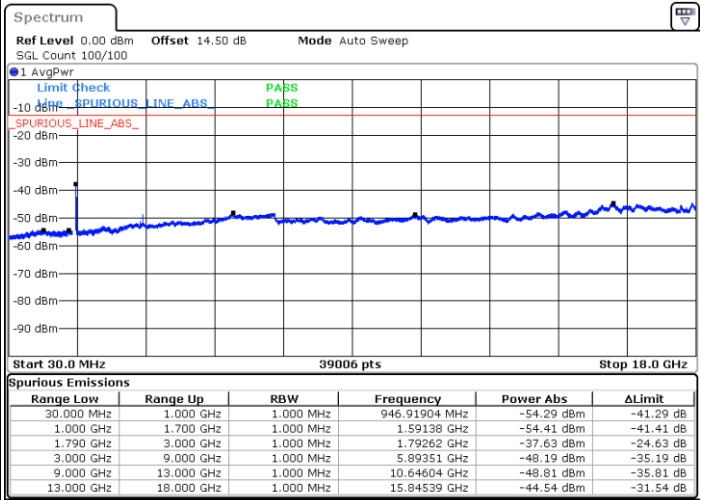
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 17.AUG.2020 10:32:30

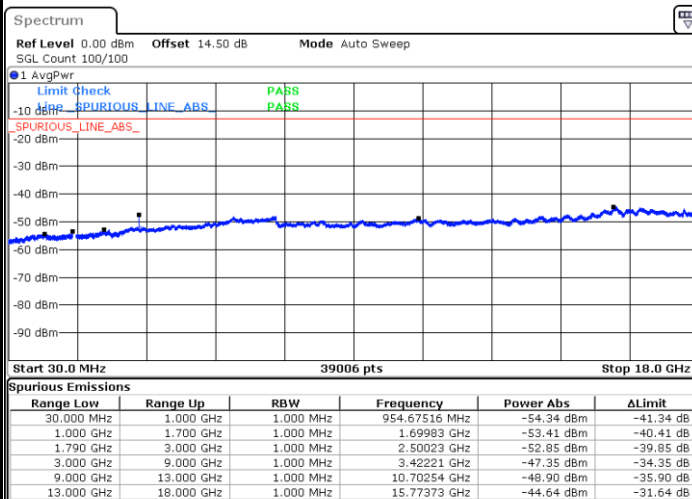
Highest Channel / 16QAM



Date: 17.AUG.2020 10:33:12

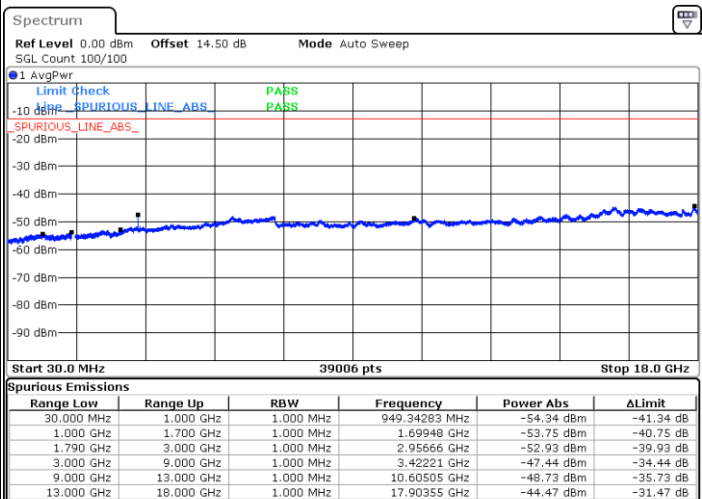
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 10:36:55

Lowest Channel / 16QAM

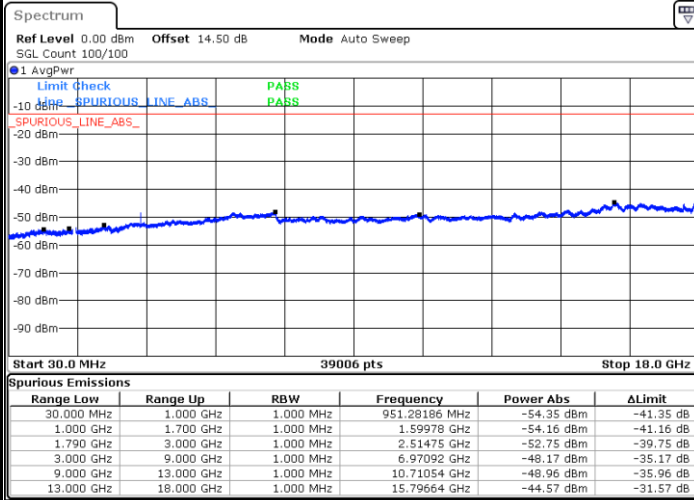


Date: 17.AUG.2020 10:38:14



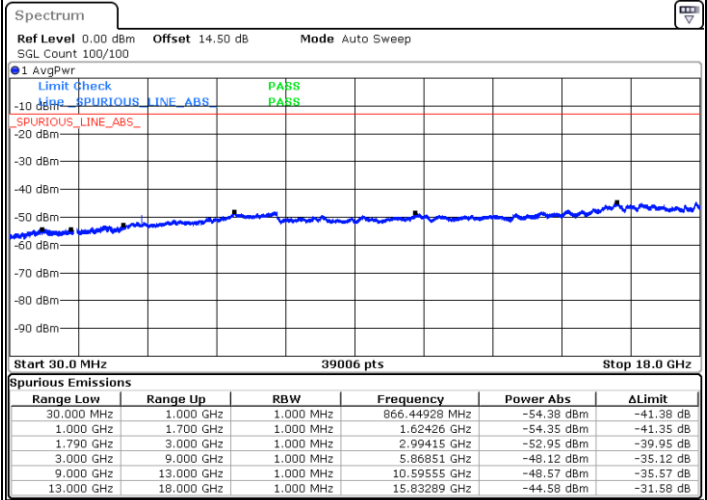
LTE Band 66 / 20MHz

Middle Channel / QPSK



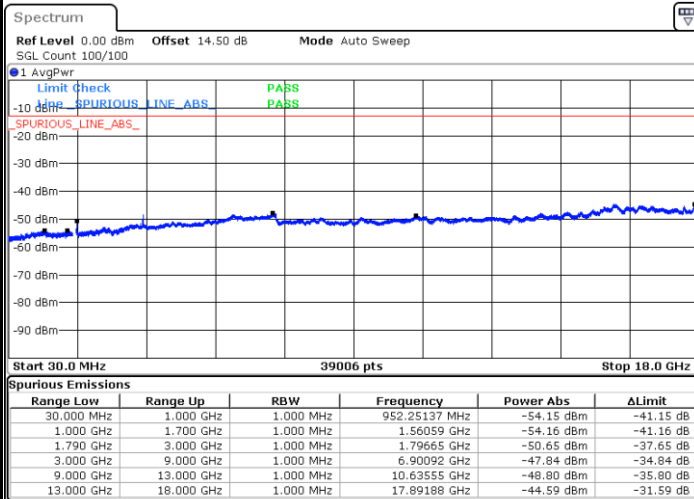
Date: 17.AUG.2020 10:47:41

Middle Channel / 16QAM



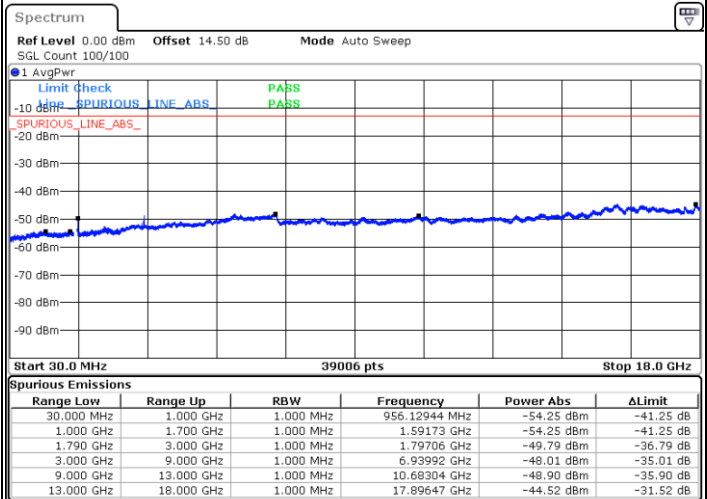
Date: 17.AUG.2020 10:46:35

Highest Channel / QPSK



Date: 17.AUG.2020 10:49:19

Highest Channel / 16QAM

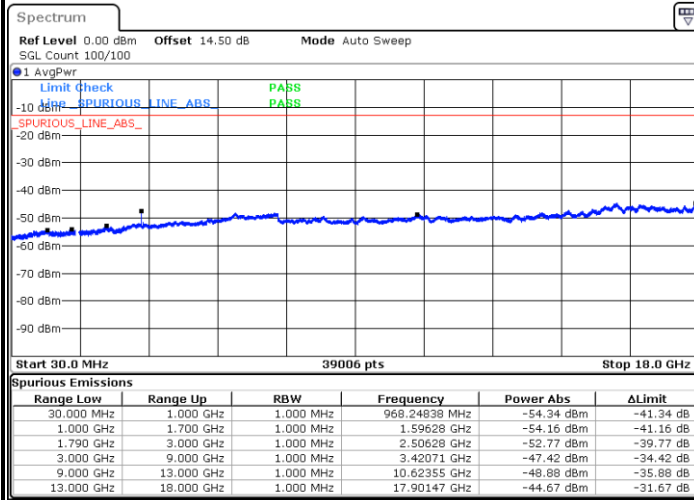


Date: 17.AUG.2020 10:50:02



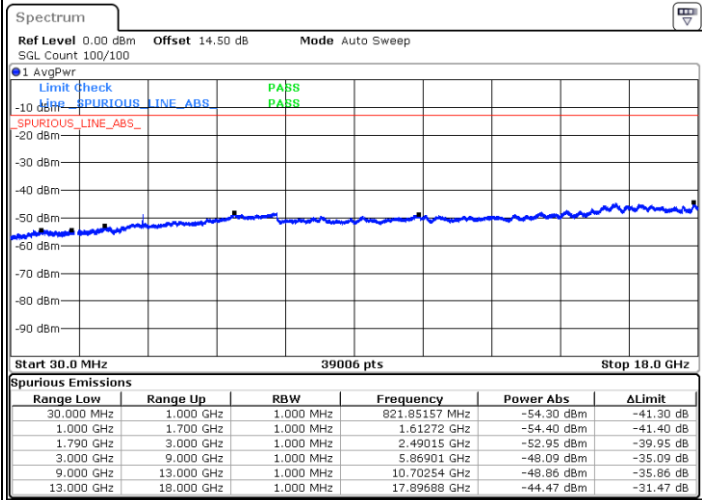
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



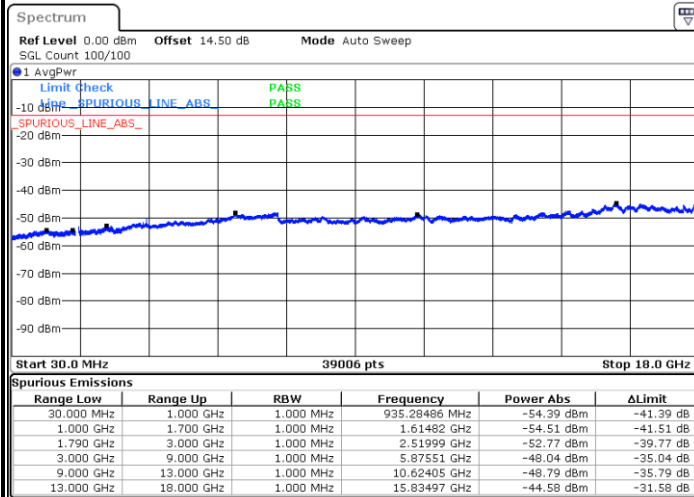
Date: 17.AUG.2020 09:24:19

Middle Channel / 64QAM



Date: 17.AUG.2020 11:30:21

Highest Channel / 64QAM

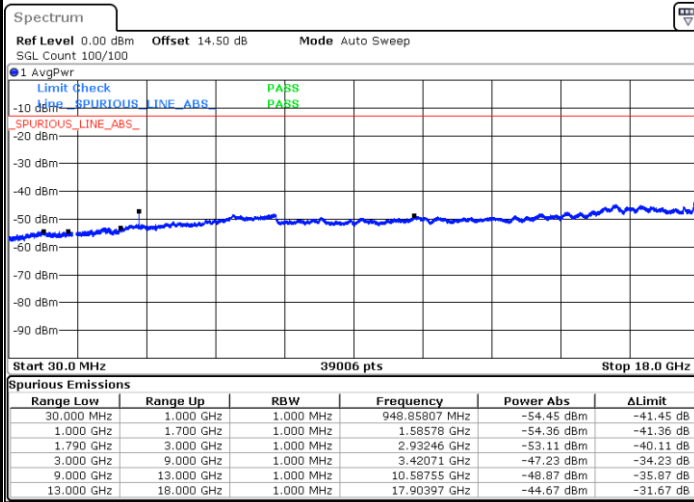


Date: 17.AUG.2020 11:31:24



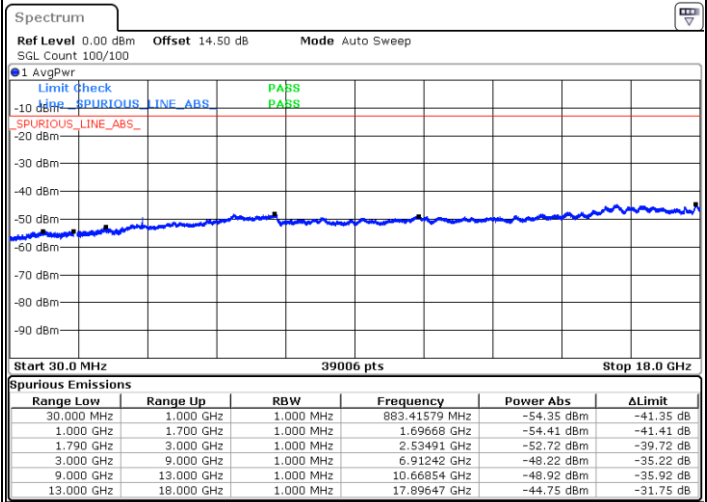
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



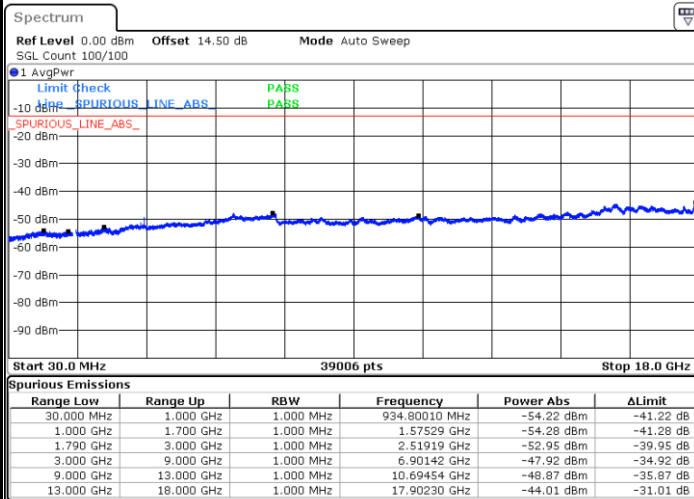
Date: 17.AUG.2020 11:13:02

Middle Channel / 64QAM



Date: 17.AUG.2020 11:18:13

Highest Channel / 64QAM

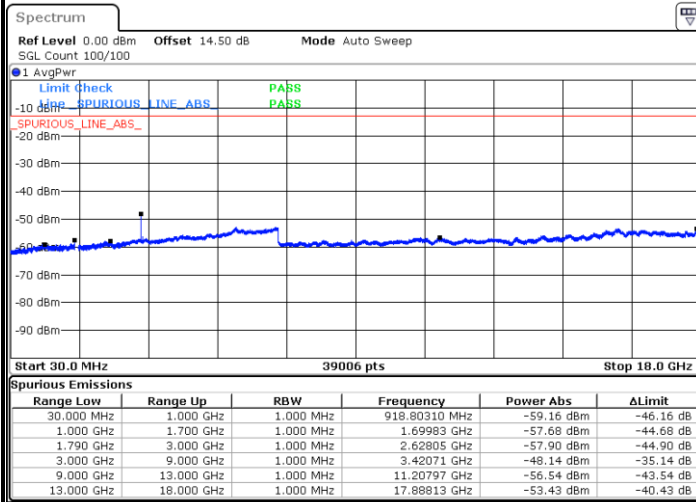


Date: 17.AUG.2020 11:19:39



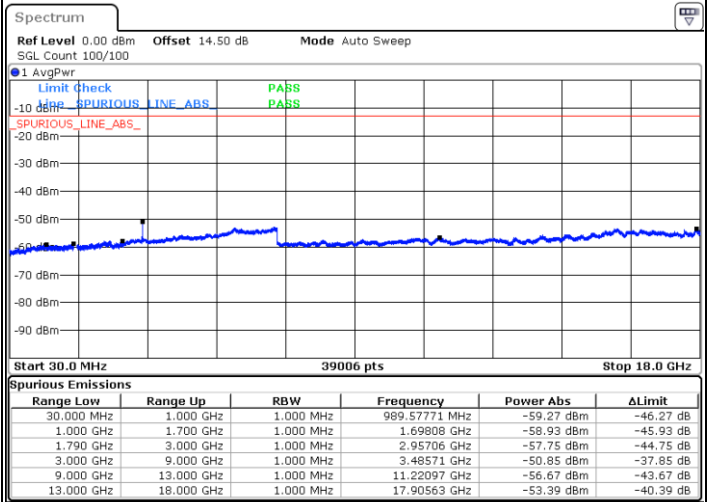
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



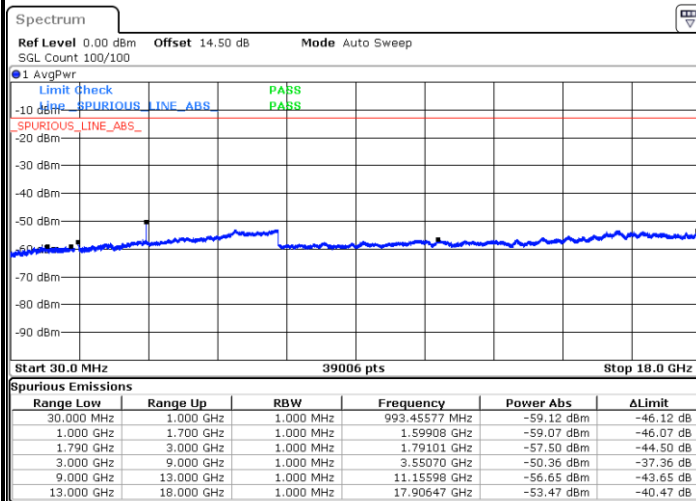
Date: 17.AUG.2020 09:48:43

Middle Channel / 64QAM



Date: 17.AUG.2020 09:49:36

Highest Channel / 64QAM

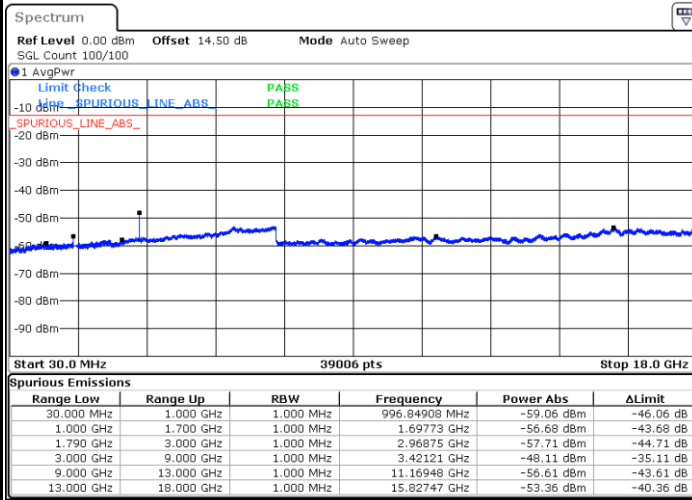


Date: 17.AUG.2020 09:55:32



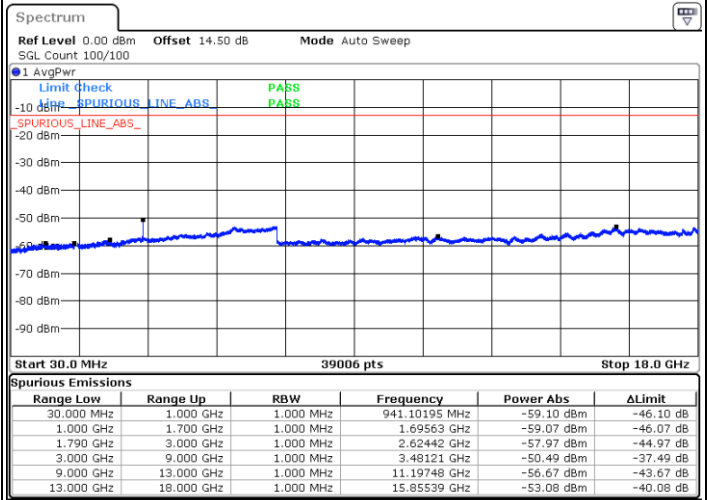
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



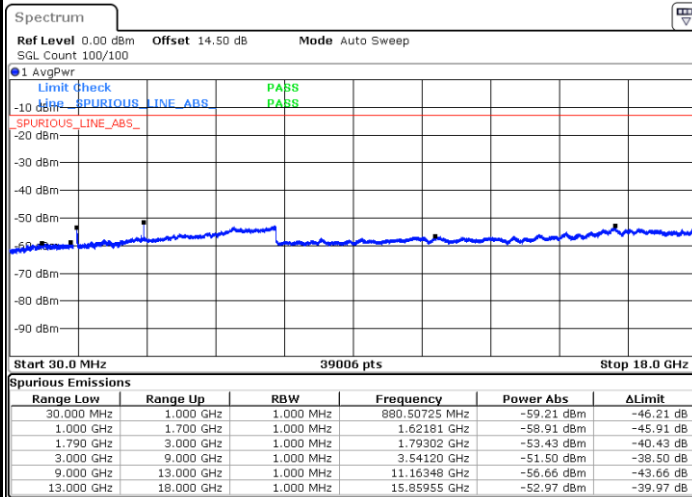
Date: 17.AUG.2020 10:05:57

Middle Channel / 64QAM



Date: 17.AUG.2020 10:09:07

Highest Channel / 64QAM

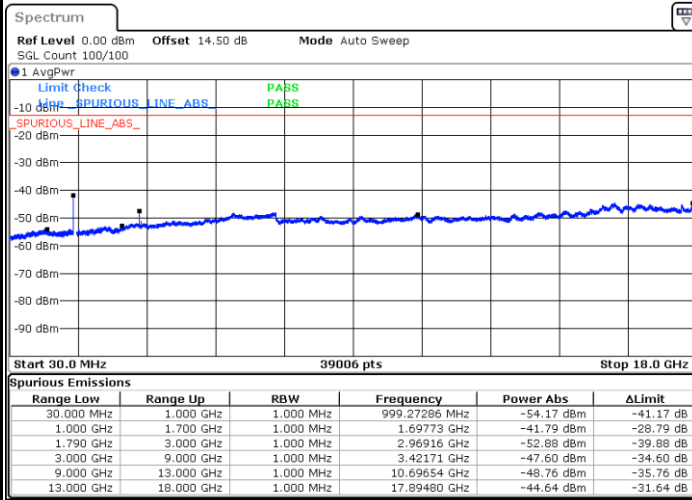


Date: 17.AUG.2020 10:17:42



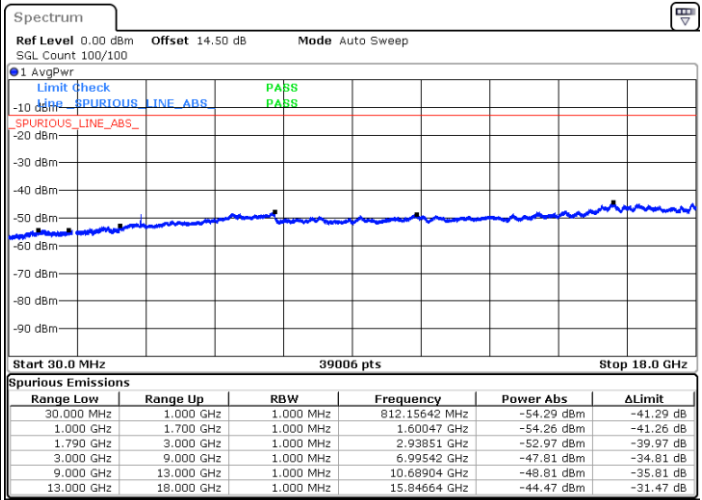
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



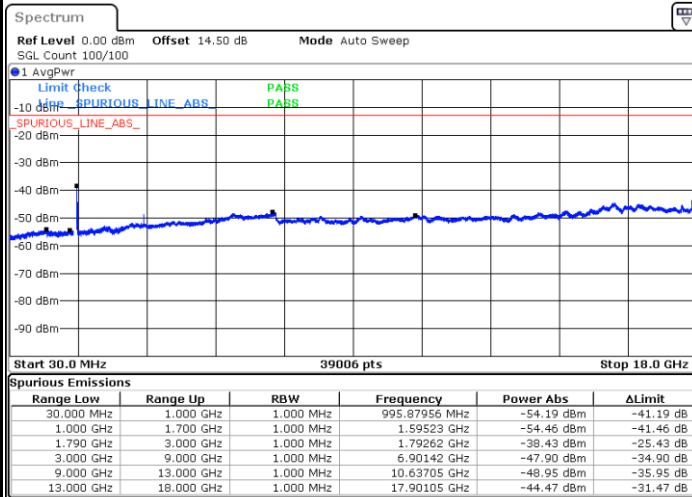
Date: 17.AUG.2020 10:27:04

Middle Channel / 64QAM



Date: 17.AUG.2020 10:28:00

Highest Channel / 64QAM

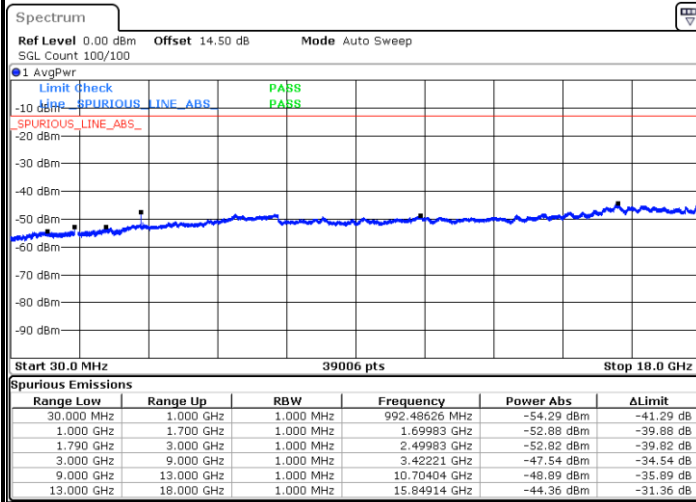


Date: 17.AUG.2020 10:34:05



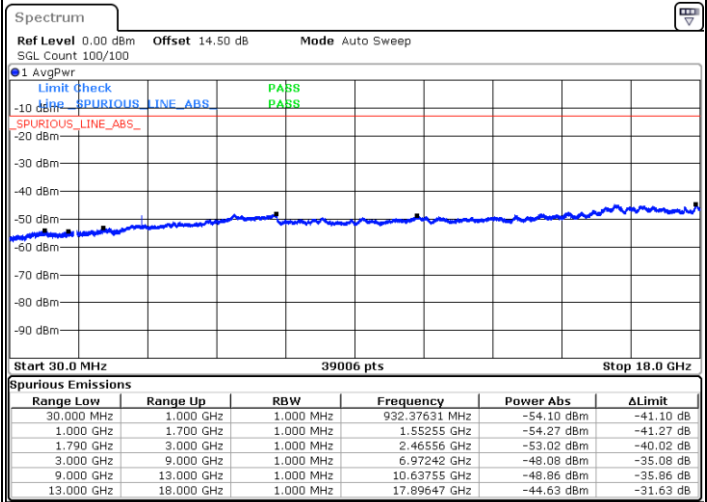
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



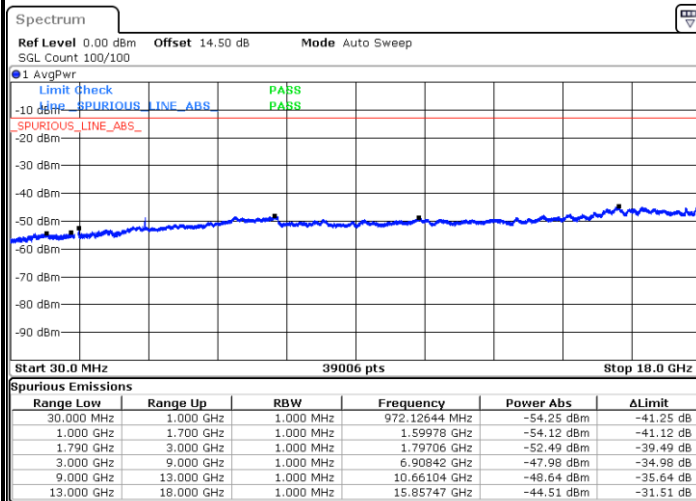
Date: 17.AUG.2020 10:39:03

Middle Channel / 64QAM



Date: 17.AUG.2020 10:45:33

Highest Channel / 64QAM



Date: 17.AUG.2020 10:51:11

**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	0.0006	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

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

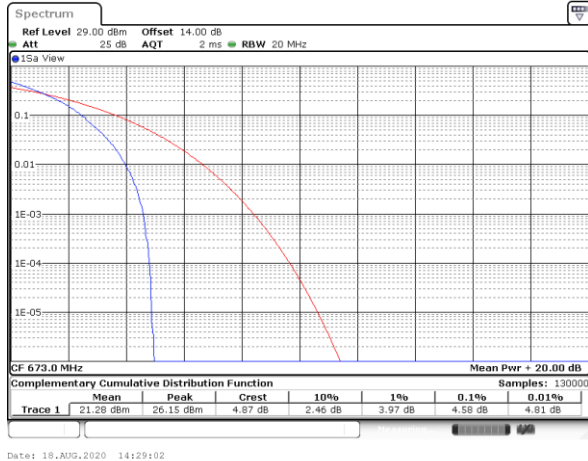
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.58	5.07	5.48	5.97	PASS
Middle CH	5.10	4.93	5.51	5.97	
Highest CH	5.13	5.01	5.80	6.00	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.45	6.32	-	-	PASS
Middle CH	5.33	6.41	-	-	
Highest CH	5.62	6.46	-	-	

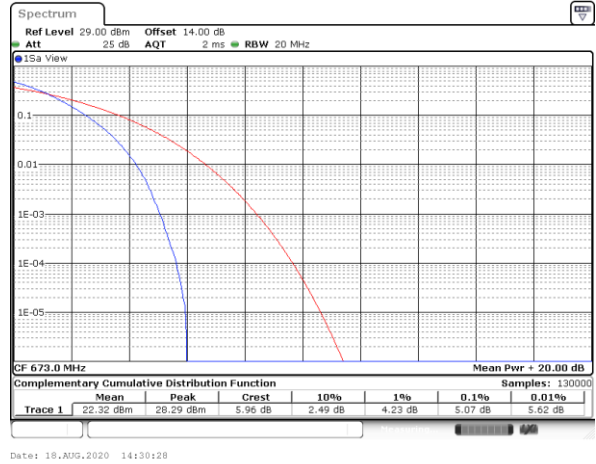


LTE Band 71 / 20MHz / QPSK

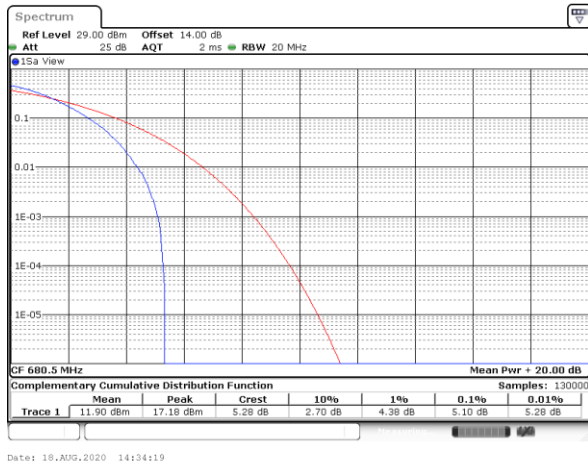
Lowest Channel / 1RB



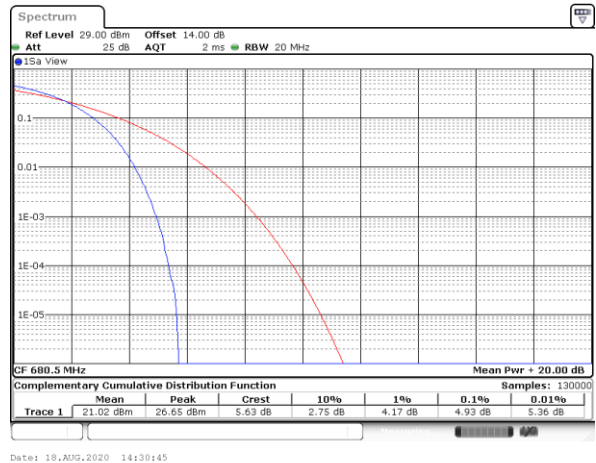
Lowest Channel / Full RB



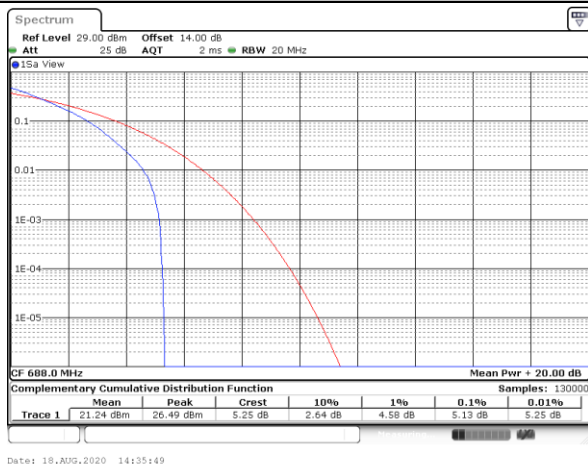
Middle Channel / 1RB



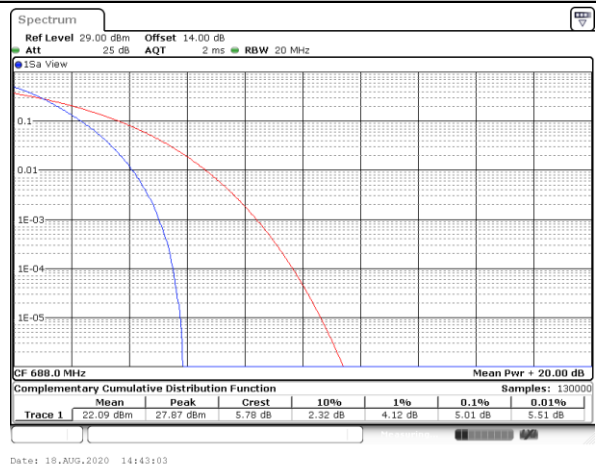
Middle Channel / Full RB



Highest Channel / 1RB



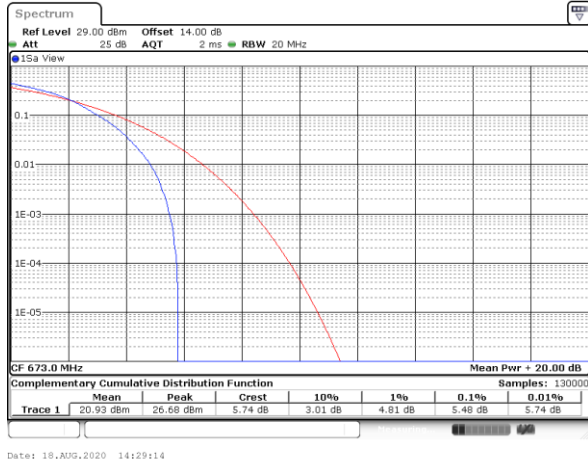
Highest Channel / Full RB



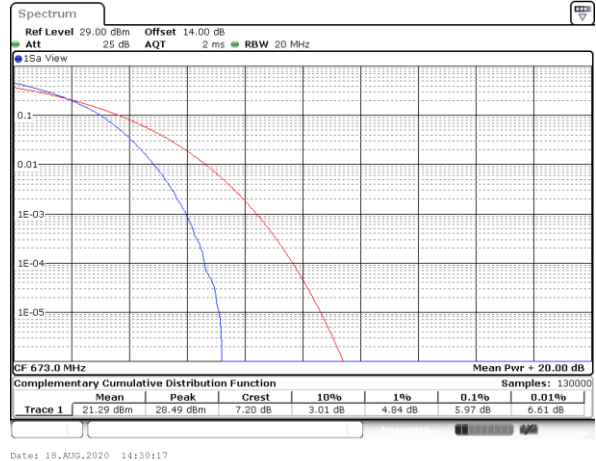


LTE Band 71 / 20MHz / 16QAM

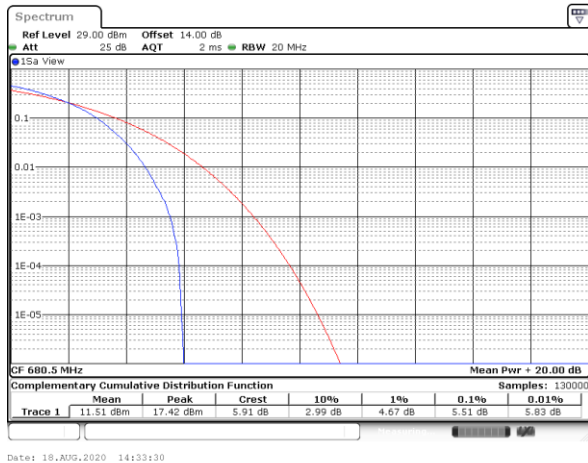
Lowest Channel / 1RB



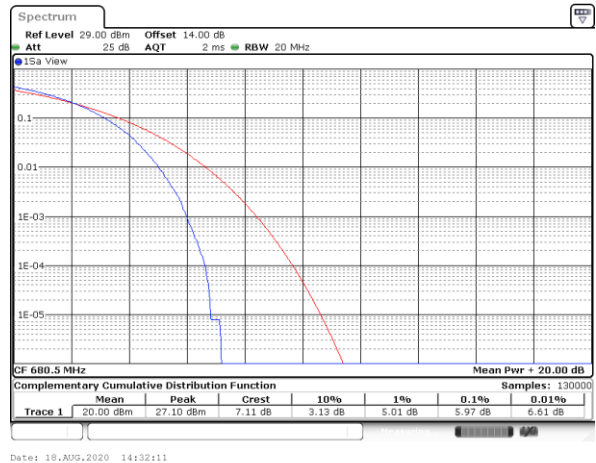
Lowest Channel / Full RB



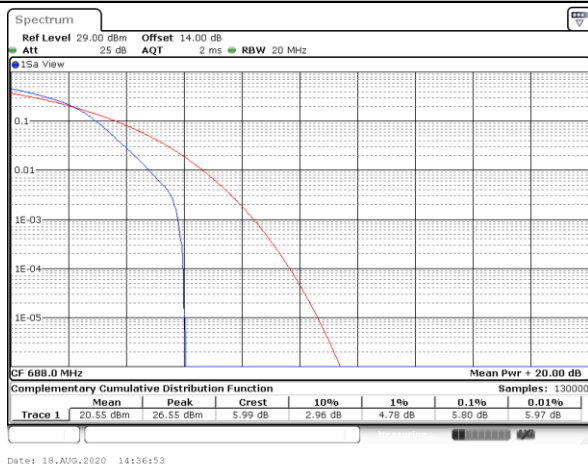
Middle Channel / 1RB



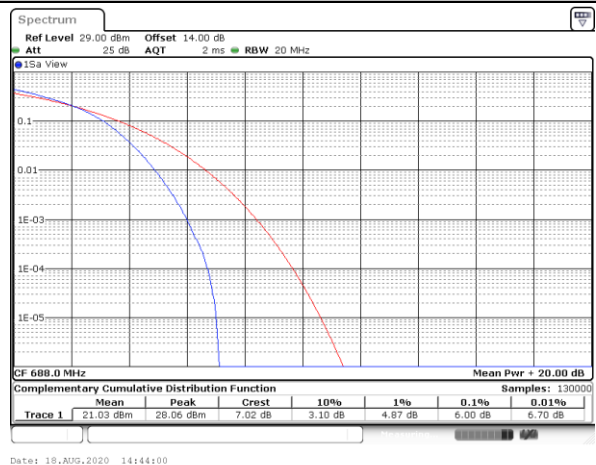
Middle Channel / Full RB



Highest Channel / 1RB



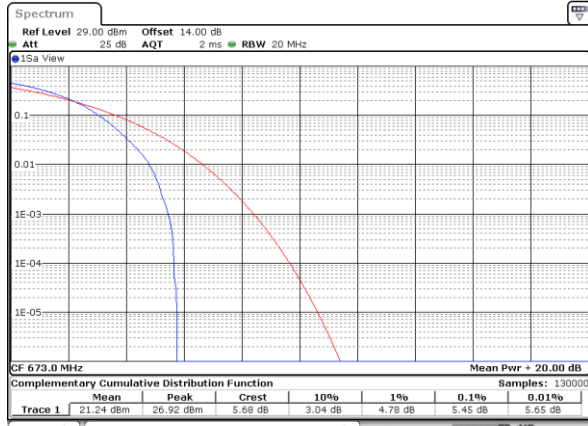
Highest Channel / Full RB



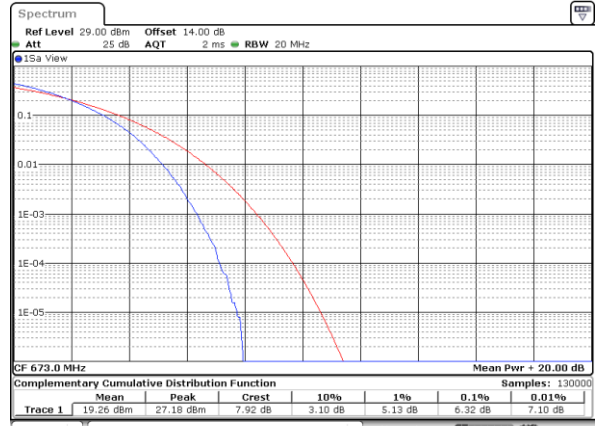


LTE Band 71 / 20MHz / 64QAM

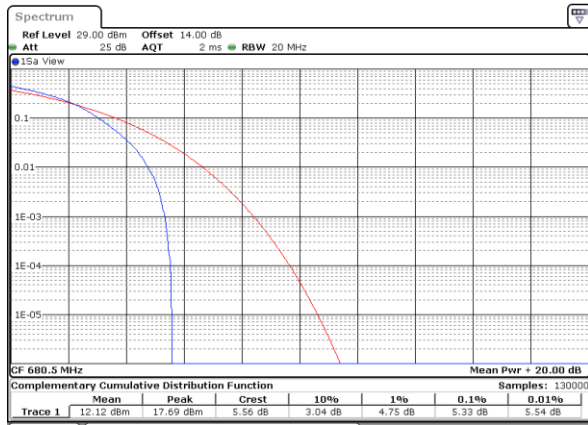
Lowest Channel / 1RB



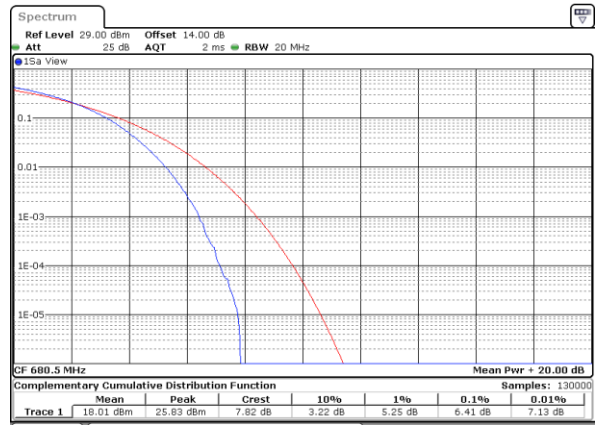
Lowest Channel / Full RB



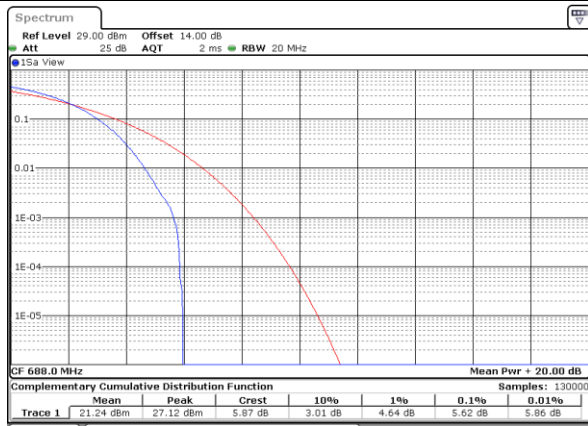
Middle Channel / 1RB



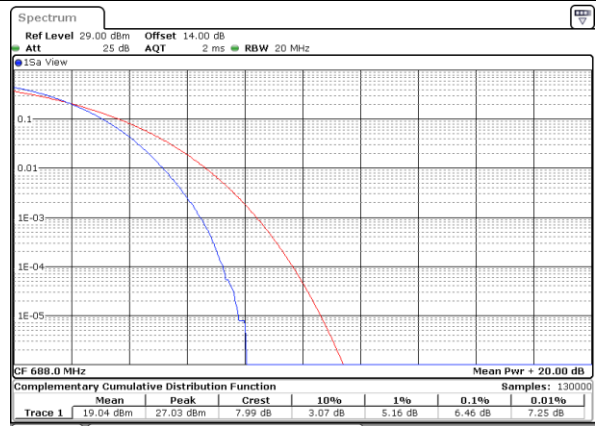
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



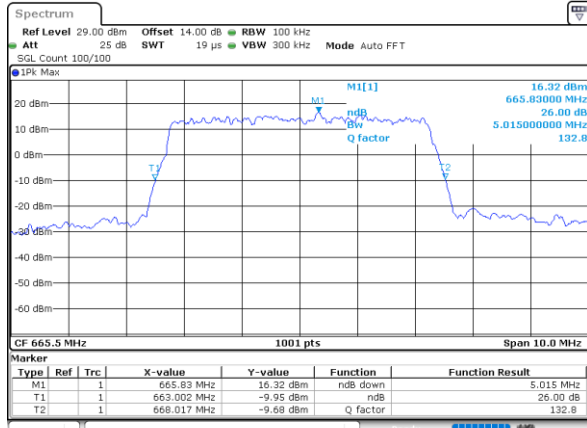
**26dB Bandwidth**

Mode	LTE Band 71 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.02	4.96	9.85	9.79	14.15	14.24	19.22	18.98
Middle CH	-	-	-	-	4.89	5.01	9.83	9.71	14.36	14.57	19.10	18.78
Highest CH	-	-	-	-	4.91	4.85	9.73	9.79	14.18	14.33	18.90	19.22
Mode	LTE Band 71 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.86	-	9.85	-	14.60	-	19.06	-
Middle CH	-	-	-	-	4.88	-	9.73	-	14.27	-	19.18	-
Highest CH	-	-	-	-	4.94	-	9.81	-	14.51	-	18.86	-

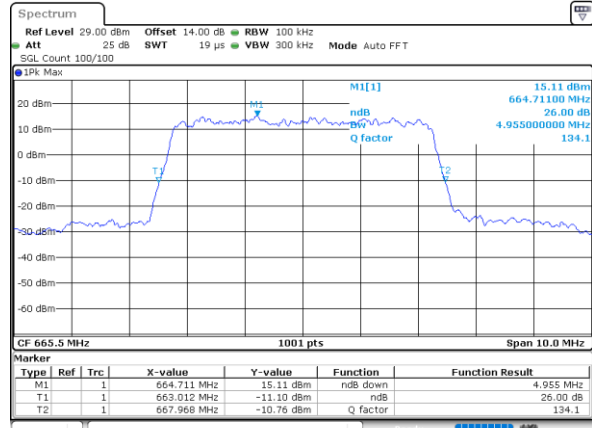


LTE Band 71

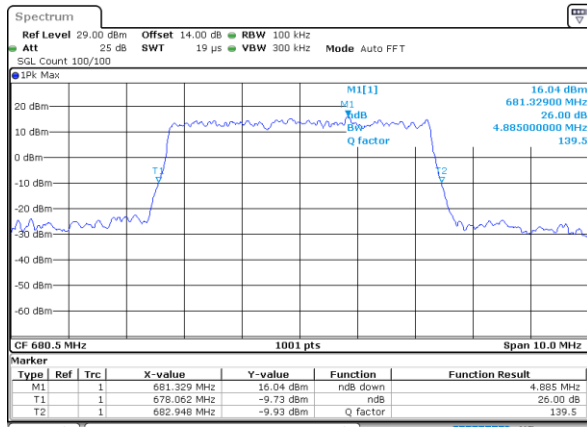
Lowest Channel / 5MHz / QPSK



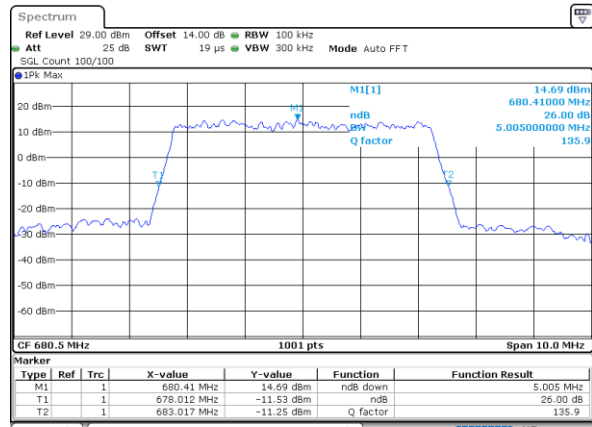
Lowest Channel / 5MHz / 16QAM



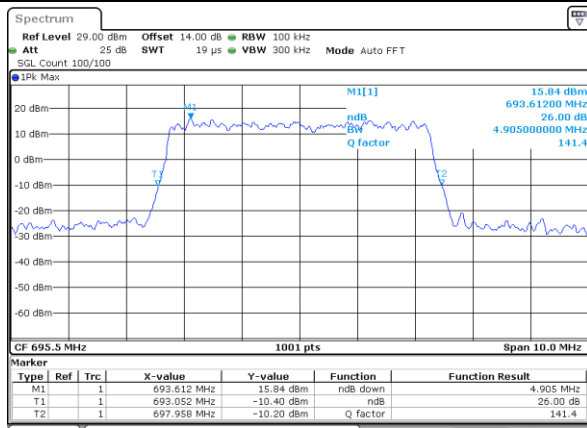
Middle Channel / 5MHz / QPSK



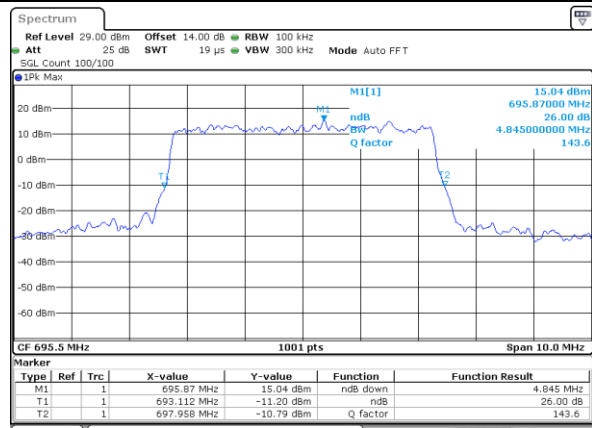
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



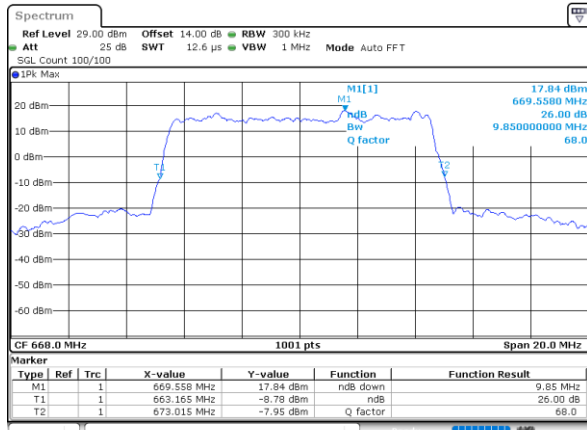
Highest Channel / 5MHz / 16QAM





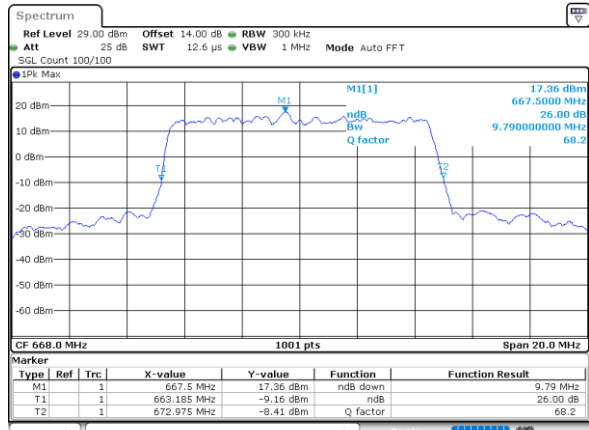
LTE Band 71

Lowest Channel / 10MHz / QPSK



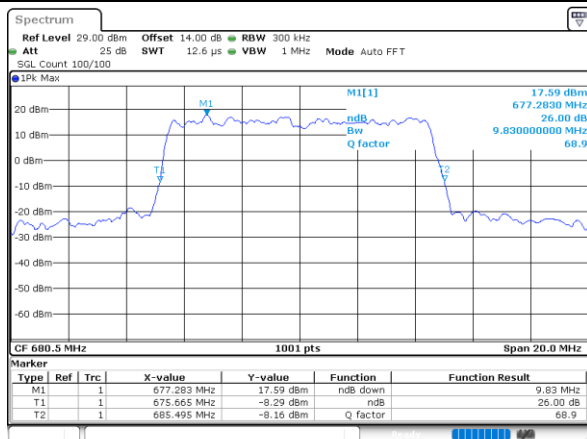
Date: 18_AUG.2020 15:00:39

Lowest Channel / 10MHz / 16QAM



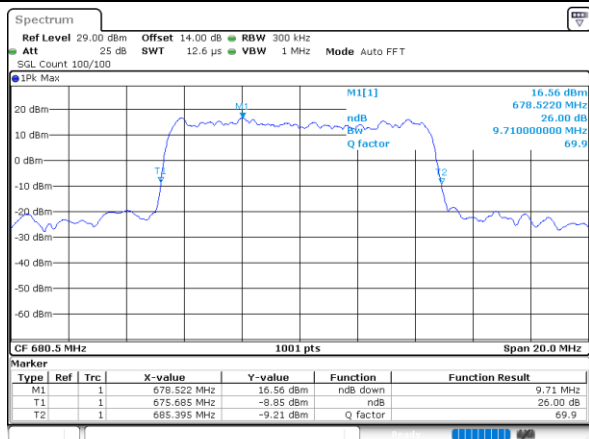
Date: 18_AUG.2020 15:01:22

Middle Channel / 10MHz / QPSK



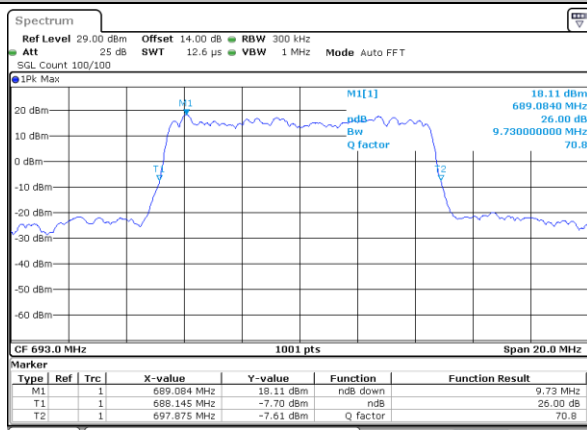
Date: 18_AUG.2020 15:02:27

Middle Channel / 10MHz / 16QAM



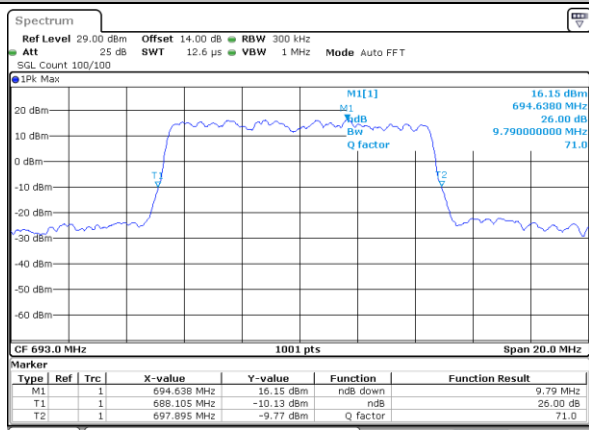
Date: 18_AUG.2020 15:02:13

Highest Channel / 10MHz / QPSK



Date: 18_AUG.2020 15:02:45

Highest Channel / 10MHz / 16QAM

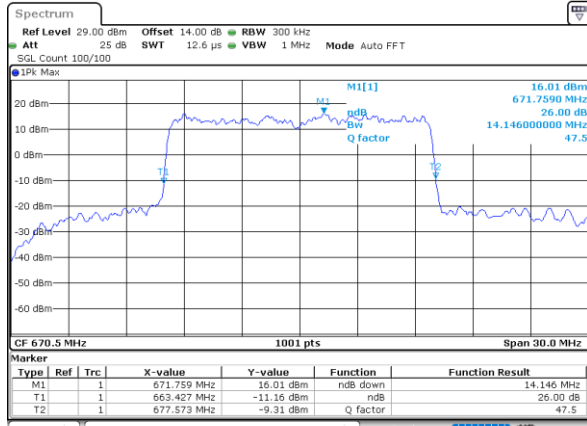


Date: 18_AUG.2020 15:03:00



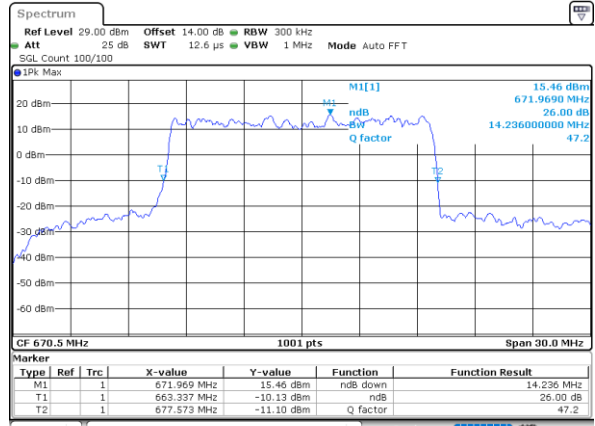
LTE Band 71

Lowest Channel / 15MHz / QPSK



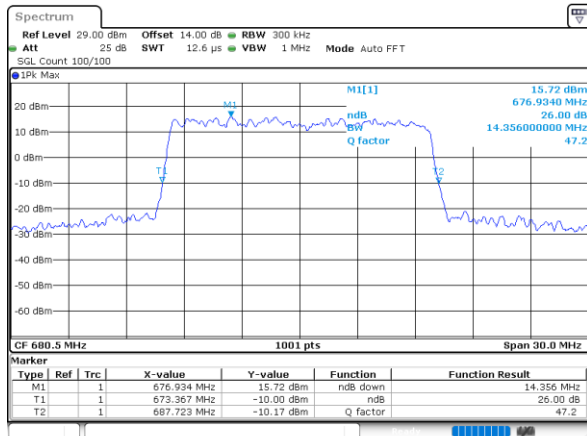
Date: 18.AUG.2020 15:05:50

Lowest Channel / 15MHz / 16QAM



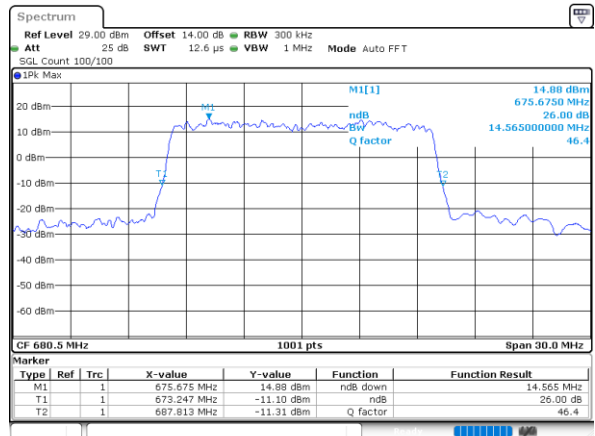
Date: 18.AUG.2020 15:06:16

Middle Channel / 15MHz / QPSK



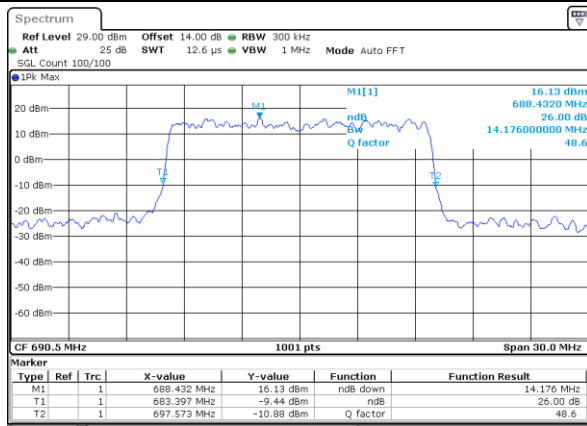
Date: 18.AUG.2020 15:07:23

Middle Channel / 15MHz / 16QAM



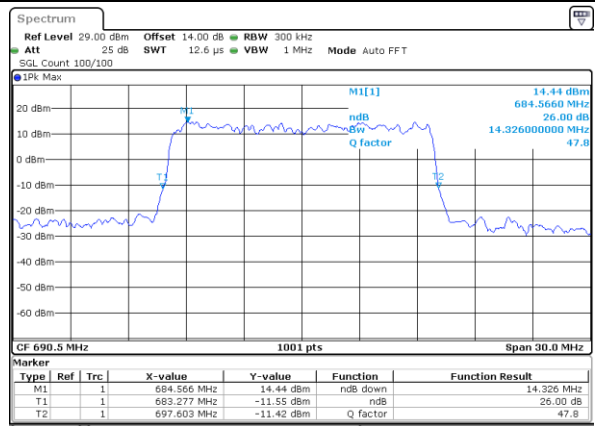
Date: 18.AUG.2020 15:07:08

Highest Channel / 15MHz / QPSK



Date: 18.AUG.2020 15:08:42

Highest Channel / 15MHz / 16QAM

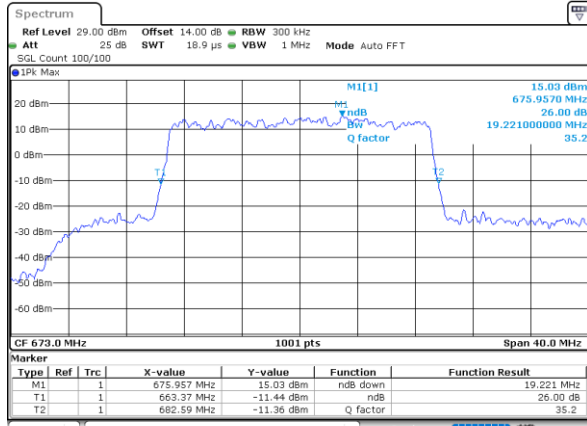


Date: 18.AUG.2020 15:08:55



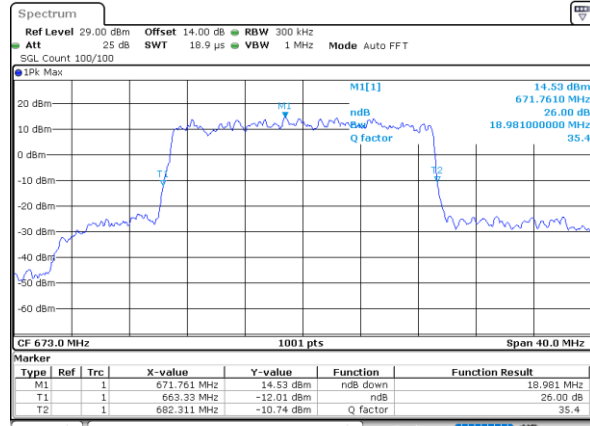
LTE Band 71

Lowest Channel / 20MHz / QPSK



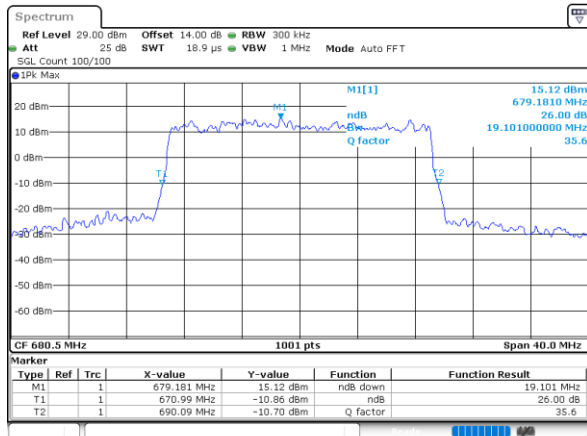
Date: 18.AUG.2020 15:09:50

Lowest Channel / 20MHz / 16QAM



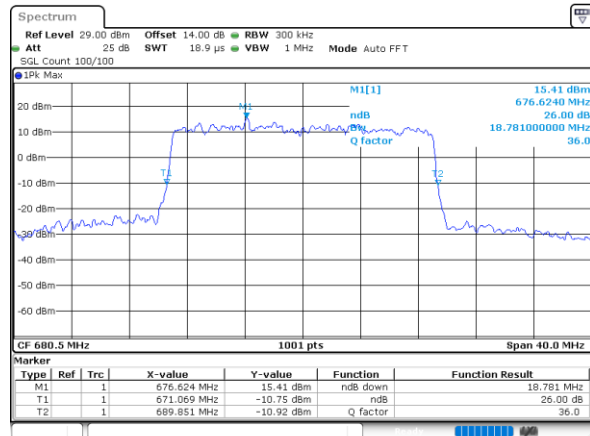
Date: 18.AUG.2020 15:10:47

Middle Channel / 20MHz / QPSK



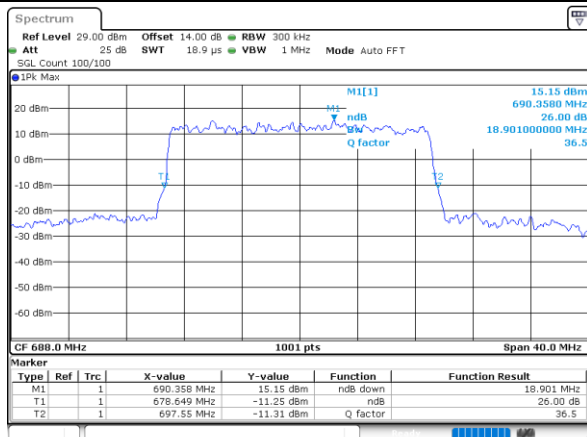
Date: 18.AUG.2020 15:11:43

Middle Channel / 20MHz / 16QAM



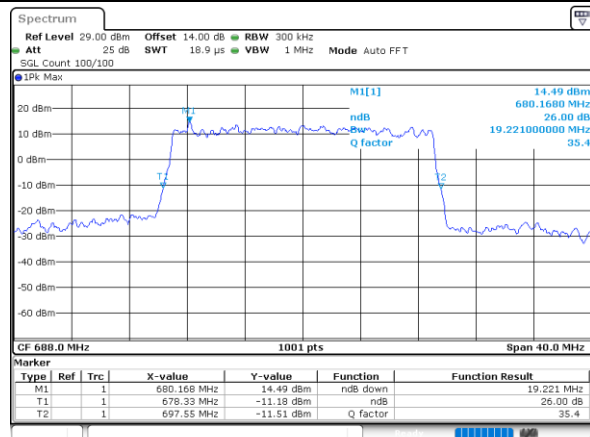
Date: 18.AUG.2020 15:11:26

Highest Channel / 20MHz / QPSK



Date: 18.AUG.2020 15:26:57

Highest Channel / 20MHz / 16QAM

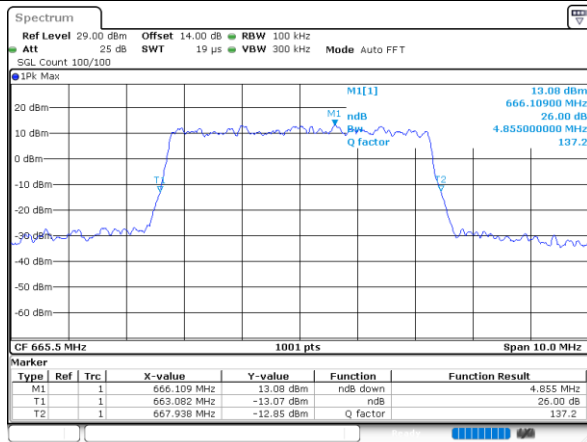


Date: 18.AUG.2020 15:27:17

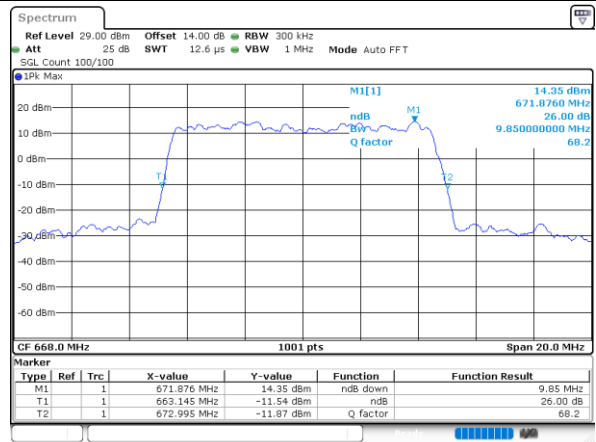


LTE Band 71

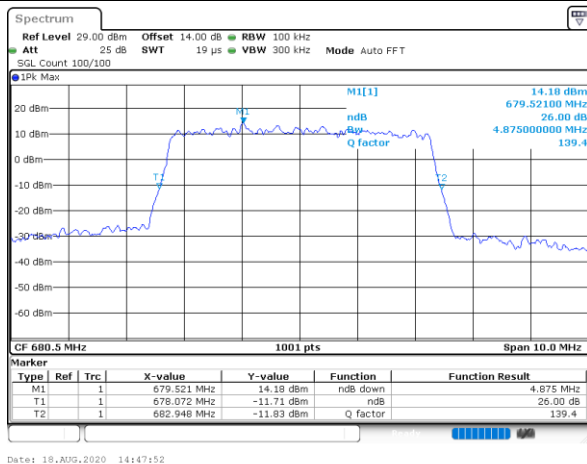
Lowest Channel / 5MHz / 64QAM



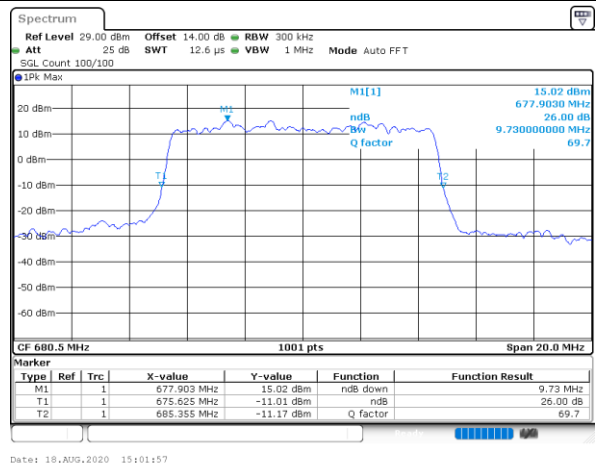
Lowest Channel / 10MHz / 64QAM



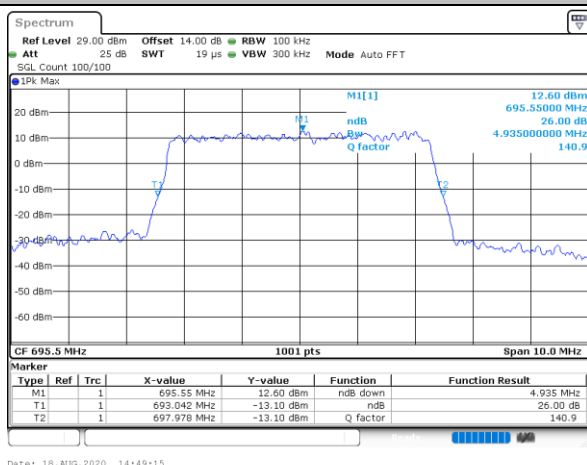
Middle Channel / 5MHz / 64QAM



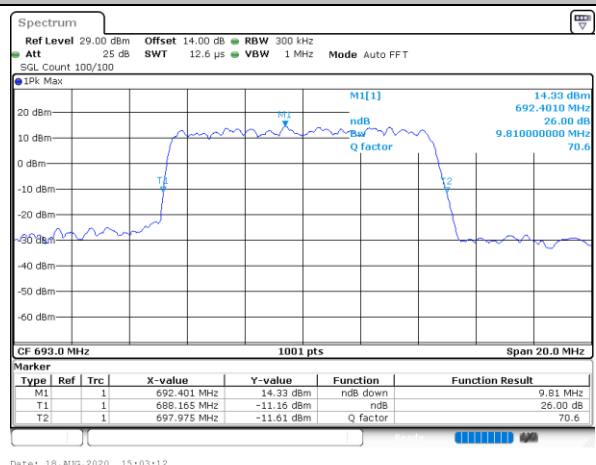
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



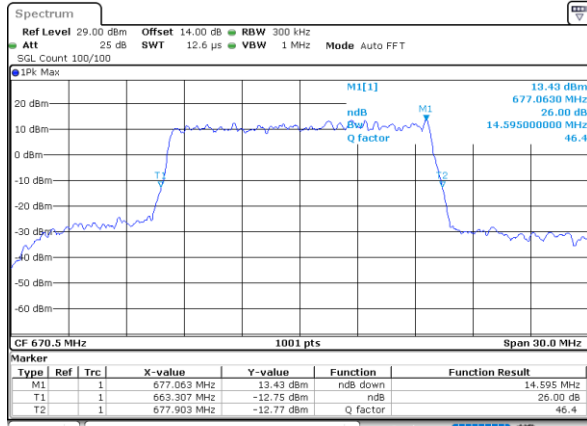
Highest Channel / 10MHz / 64QAM





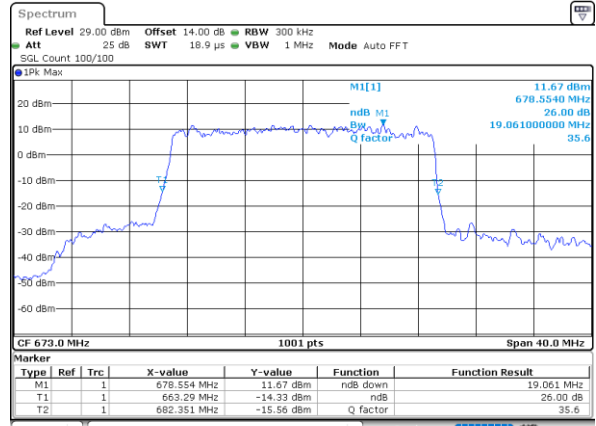
LTE Band 71

Lowest Channel / 15MHz / 64QAM



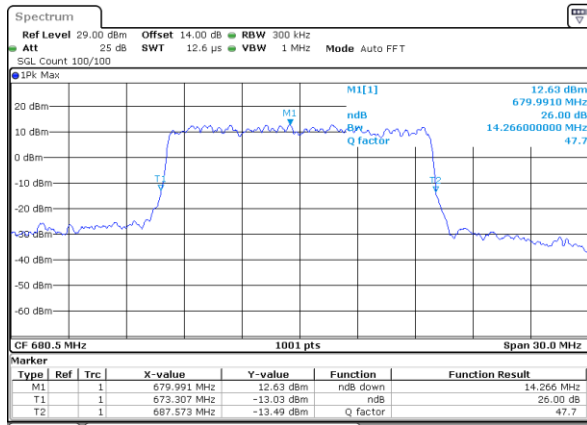
Date: 18.AUG.2020 15:06:36

Lowest Channel / 20MHz / 64QAM



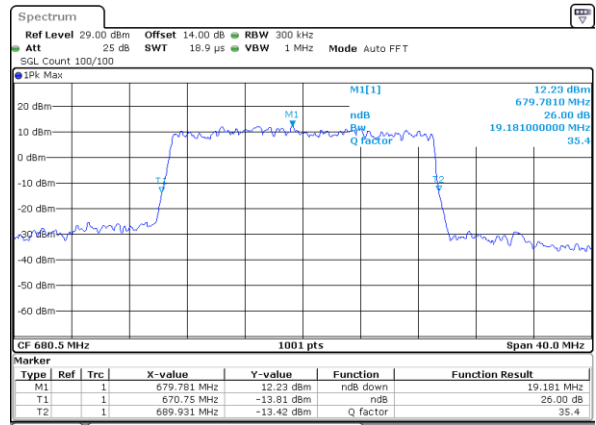
Date: 18.AUG.2020 15:10:31

Middle Channel / 15MHz / 64QAM



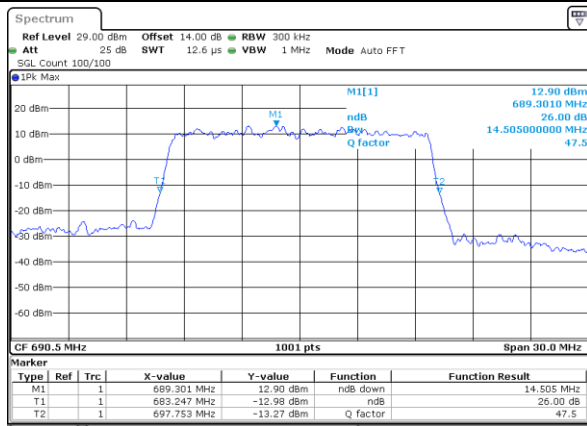
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Middle Channel / 20MHz / 64QAM



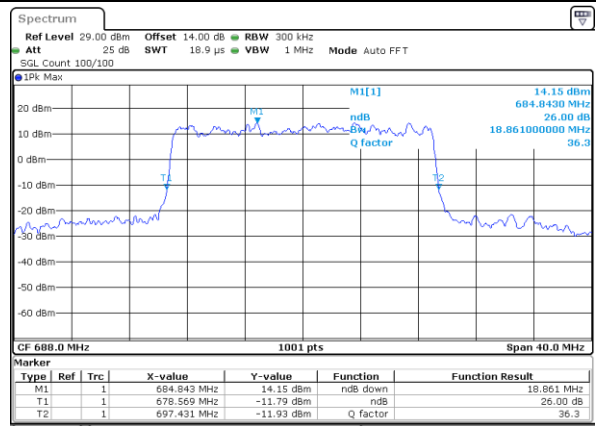
Date: 18.AUG.2020 15:11:12

Highest Channel / 15MHz / 64QAM



Date: 18.AUG.2020 15:09:11

Highest Channel / 20MHz / 64QAM



Date: 18.AUG.2020 15:27:32

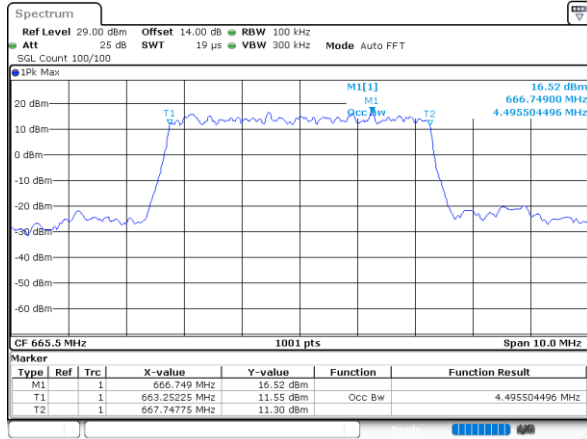
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.48	9.03	9.03	13.52	13.43	17.90	17.82
Middle CH	-	-	-	-	4.53	4.49	9.03	9.03	13.55	13.43	17.86	17.98
Highest CH	-	-	-	-	4.50	4.51	9.01	9.01	13.49	13.40	17.78	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	-	-	-	-	4.49	-	8.97	-	13.43	-	17.86	-
Middle CH	-	-	-	-	4.51	-	9.13	-	13.43	-	17.82	-
Highest CH	-	-	-	-	4.48	-	8.99	-	13.43	-	17.82	-

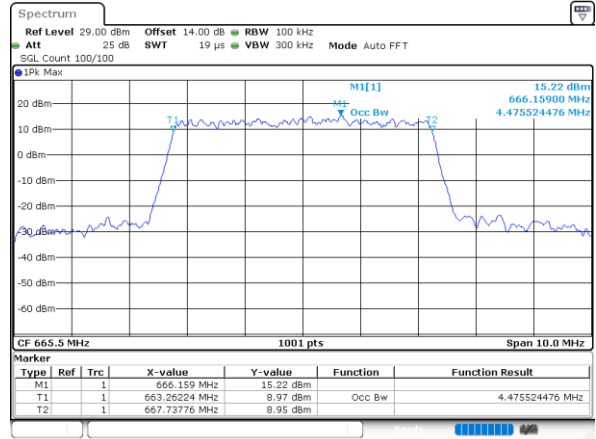


LTE Band 71

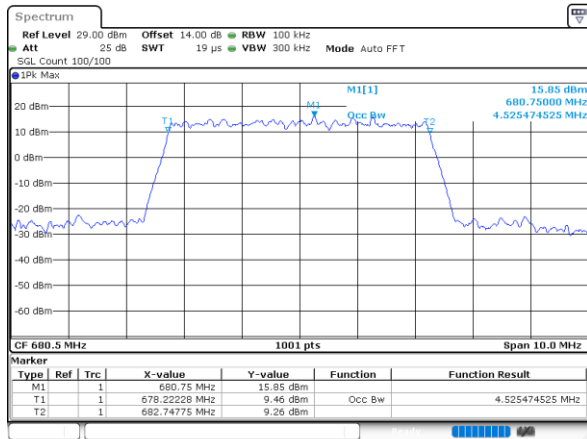
Lowest Channel / 5MHz / QPSK



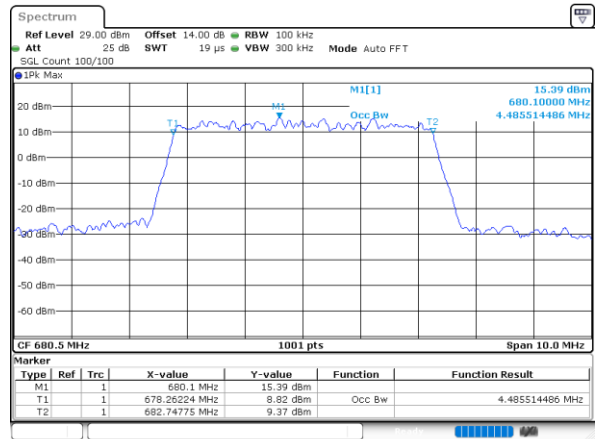
Lowest Channel / 5MHz / 16QAM



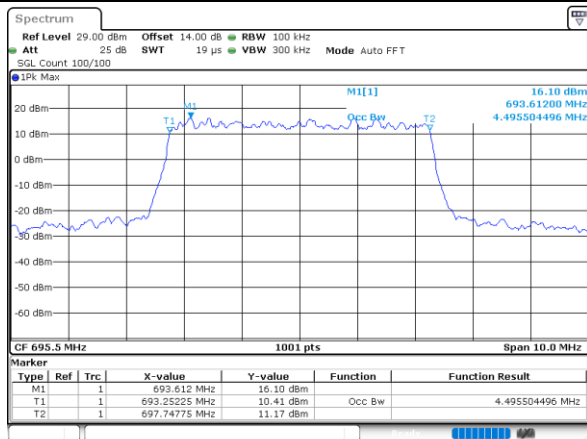
Middle Channel / 5MHz / QPSK



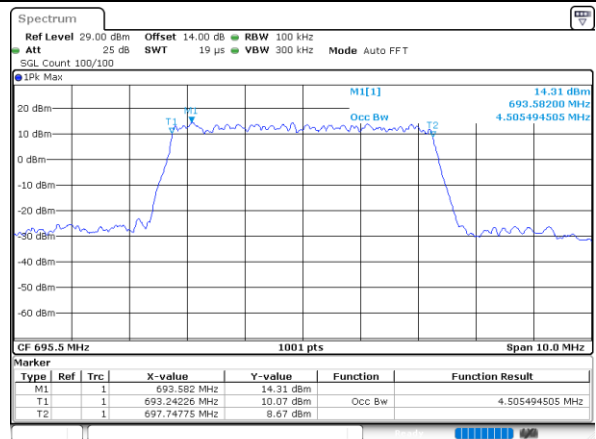
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



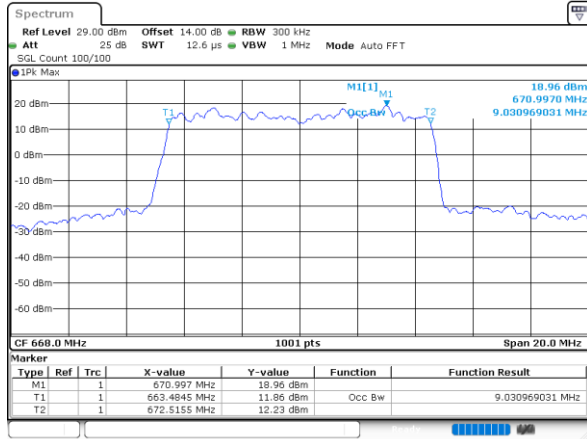
Highest Channel / 5MHz / 16QAM



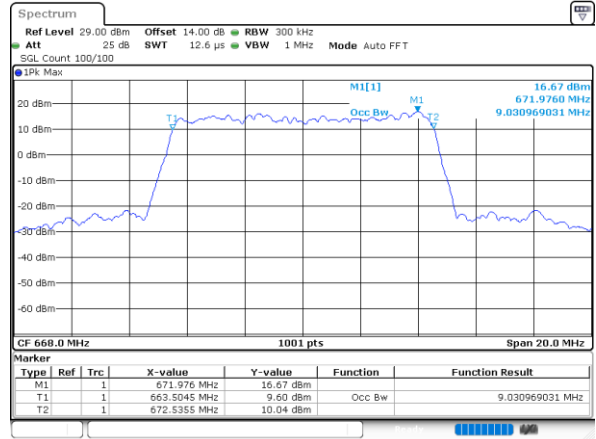


LTE Band 71

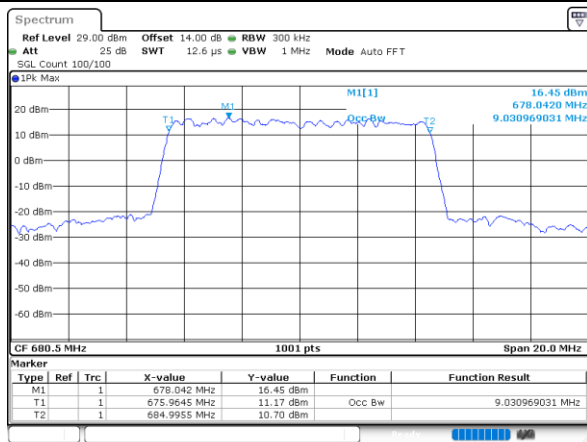
Lowest Channel / 10MHz / QPSK



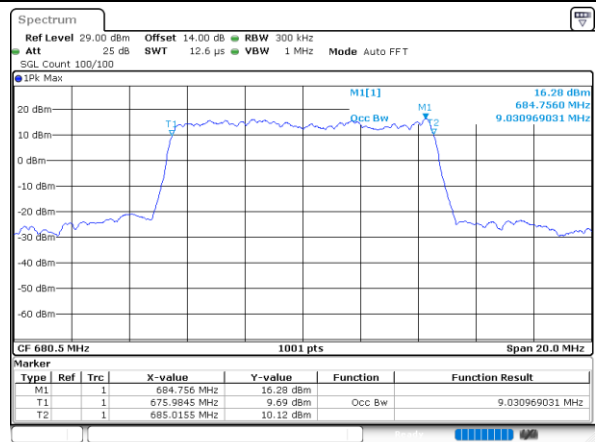
Lowest Channel / 10MHz / 16QAM



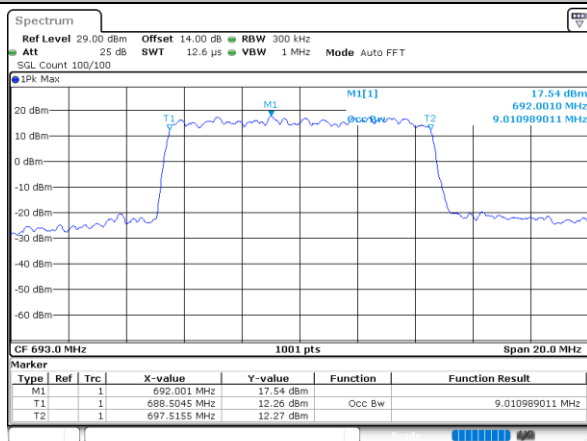
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

