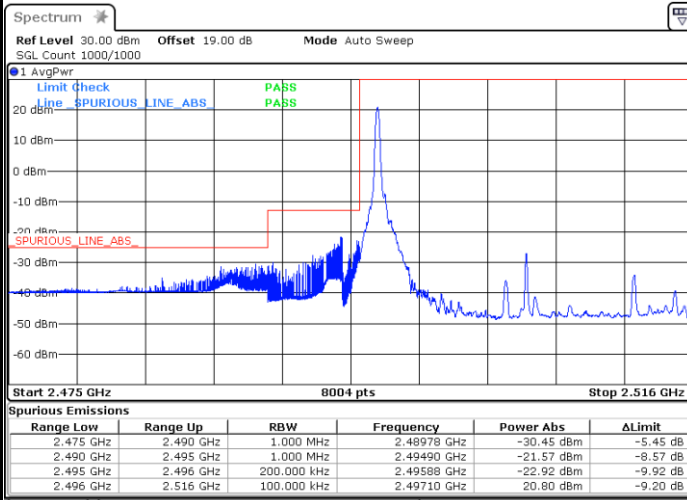




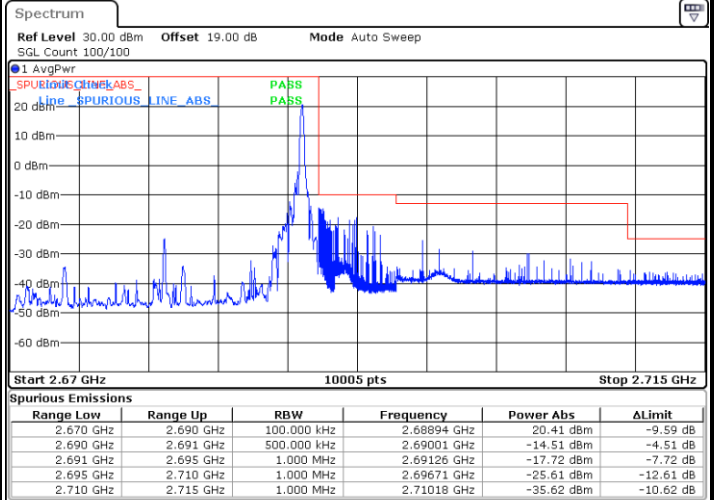
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



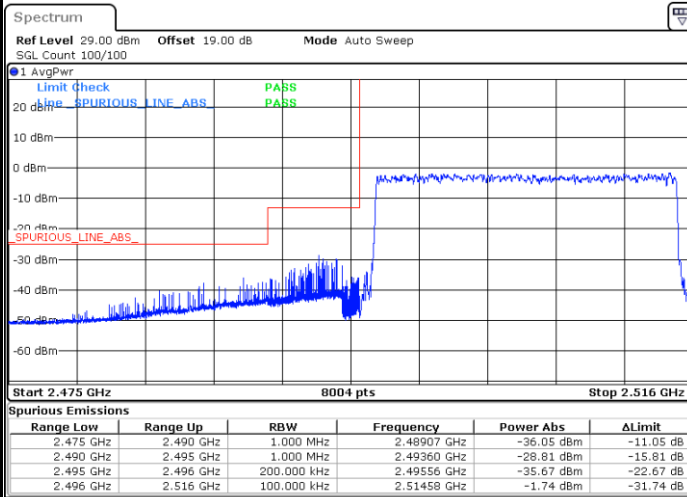
Date: 21.DEC.2020 01:13:55

Highest Band Edge / 1 RB



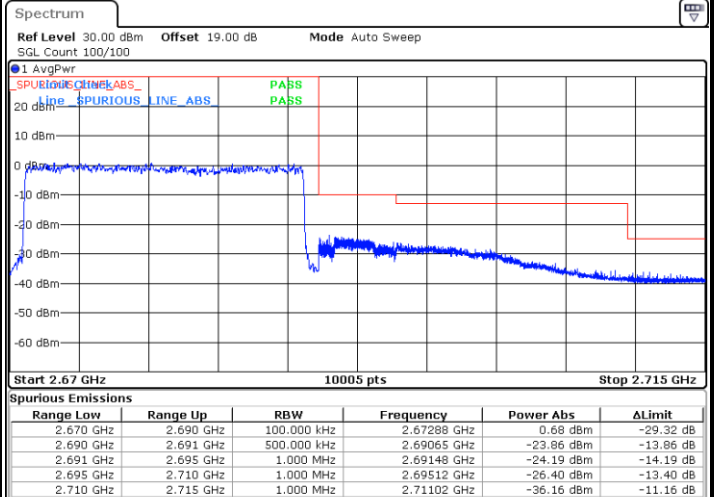
Date: 21.DEC.2020 01:36:43

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:23:01

Highest Band Edge / Full RB



Date: 21.DEC.2020 01:38:02

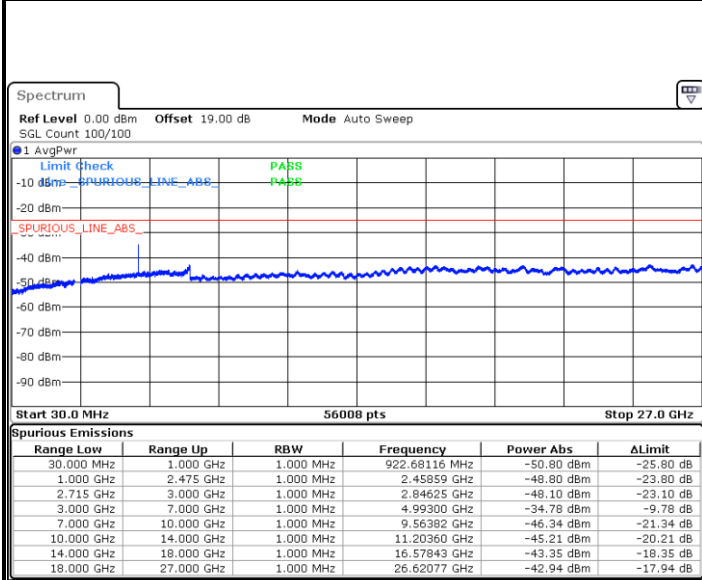


**Conducted Spurious Emission**



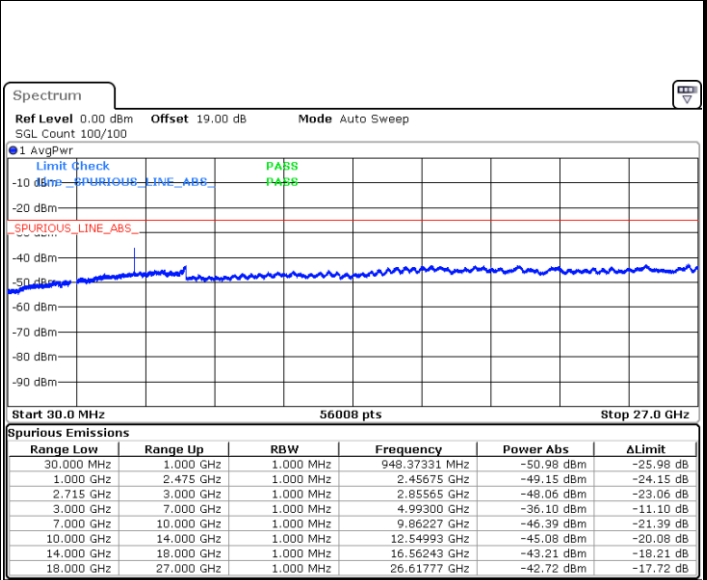
LTE Band 41 / 5MHz

Lowest Channel / QPSK



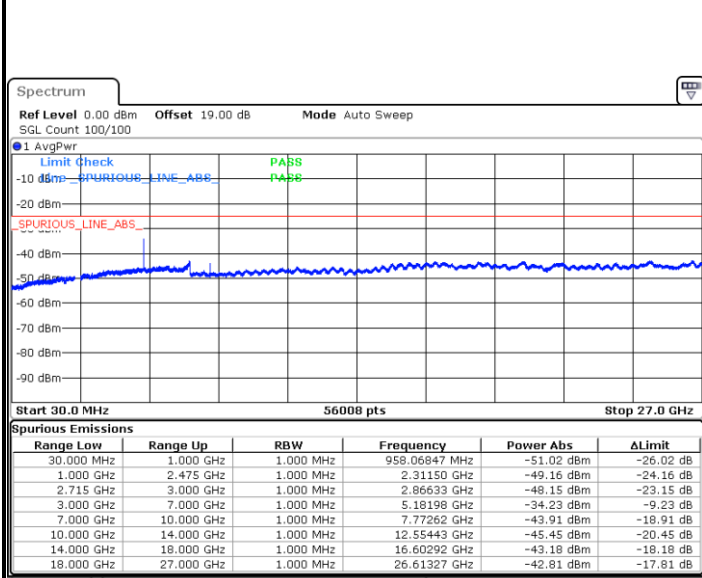
Date: 20.DEC.2020 20:41:51

Lowest Channel / 16QAM



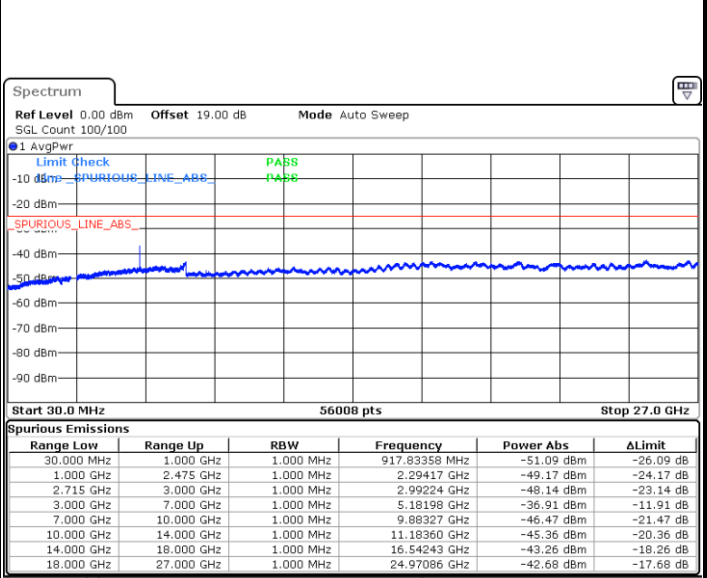
Date: 20.DEC.2020 20:32:51

Middle Channel / QPSK



Date: 20.DEC.2020 20:44:07

Middle Channel / 16QAM



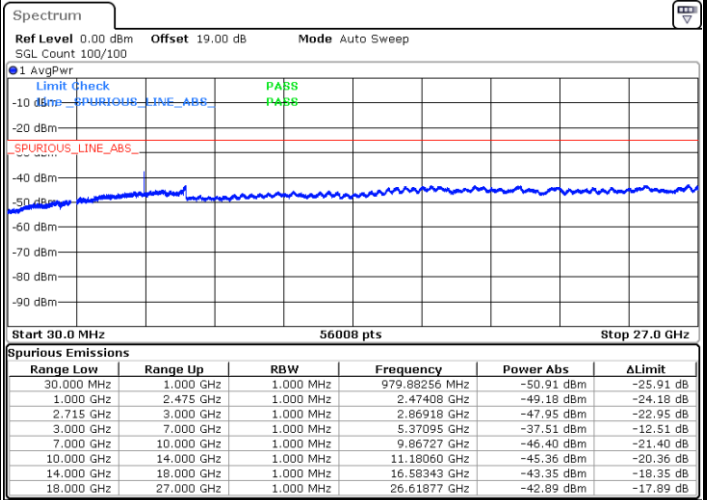
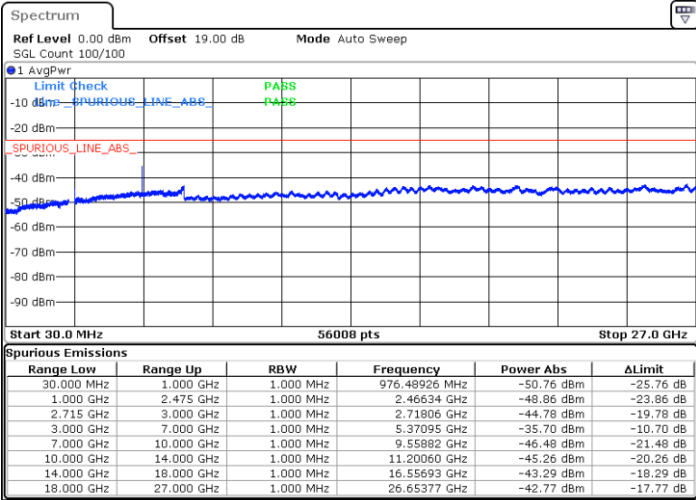
Date: 20.DEC.2020 20:45:51



LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



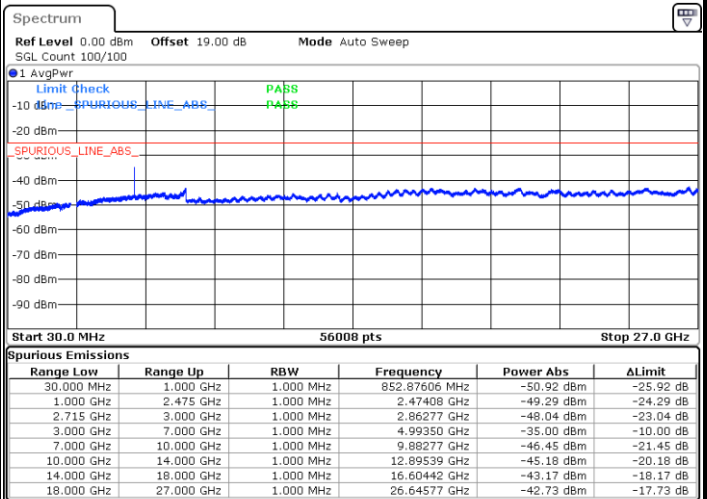
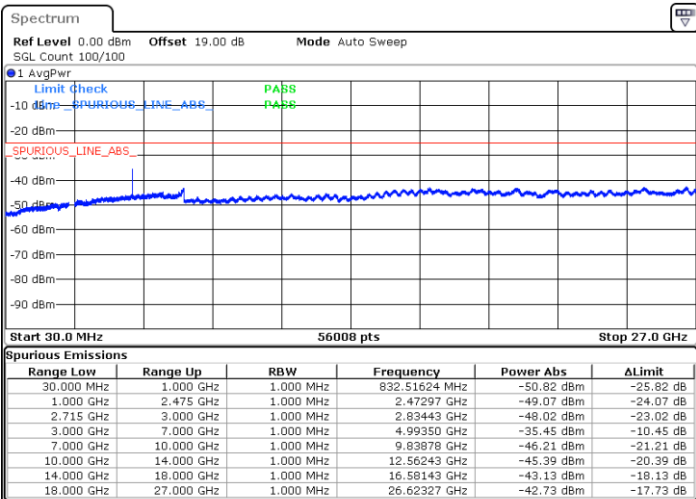
Date: 20.DEC.2020 20:55:07

Date: 20.DEC.2020 20:51:49

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 20.DEC.2020 22:00:15

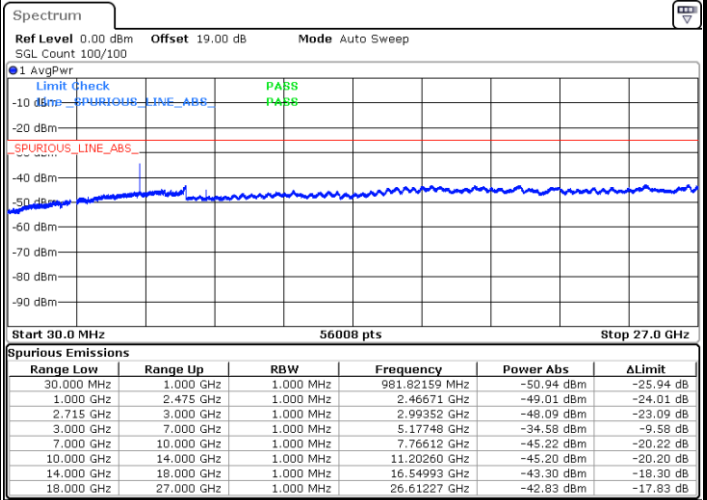
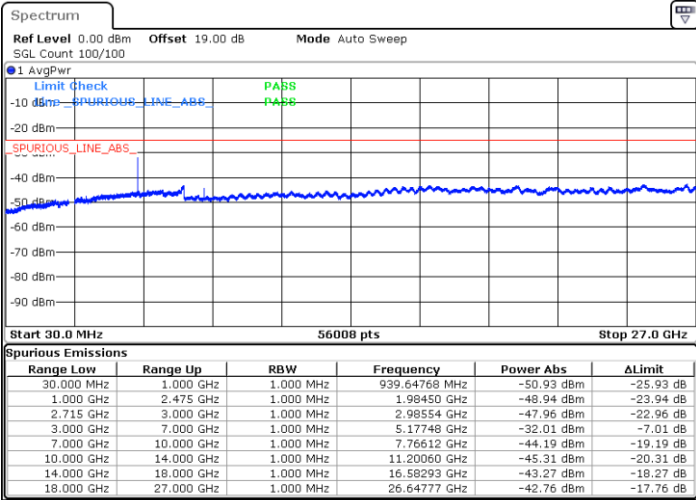
Date: 20.DEC.2020 21:56:44



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

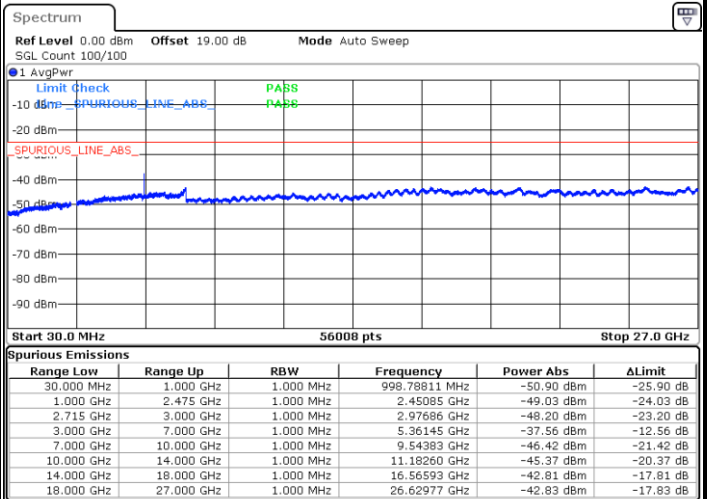
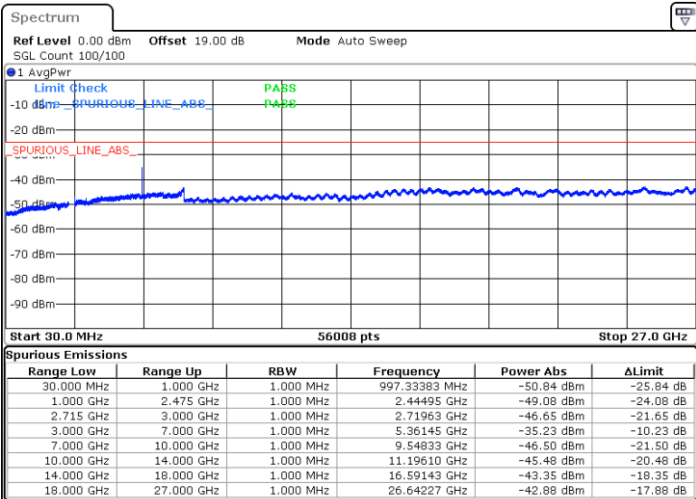


Date: 20.DEC.2020 22:07:56

Date: 20.DEC.2020 22:09:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20.DEC.2020 22:27:27

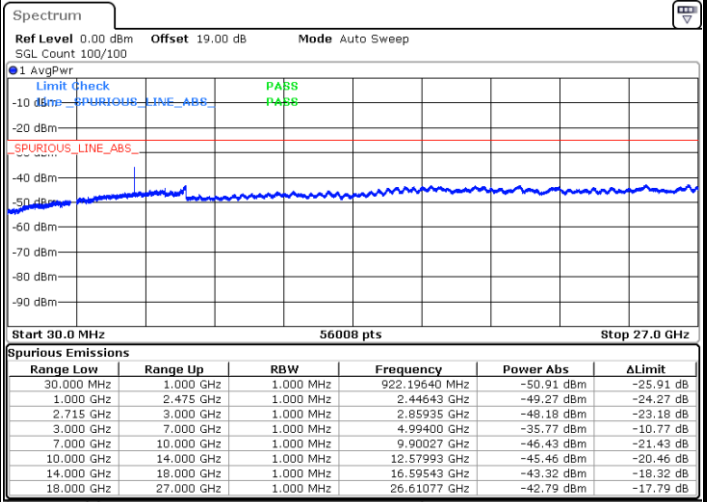
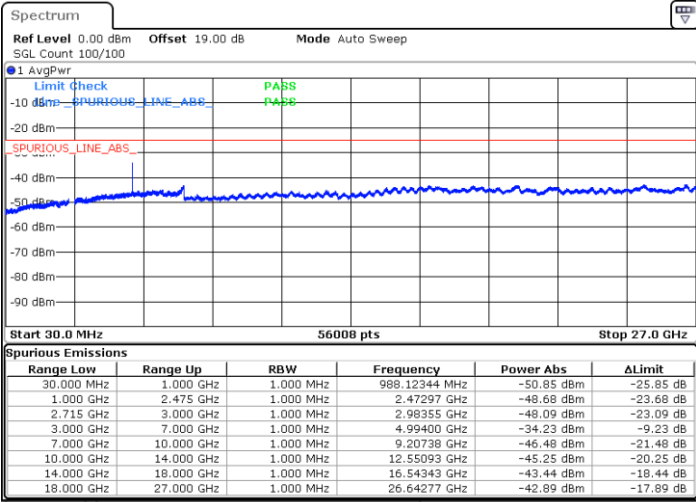
Date: 20.DEC.2020 22:14:31



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

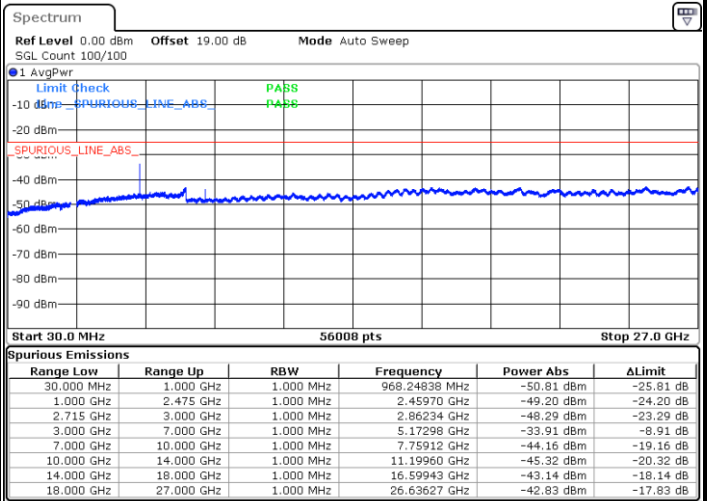
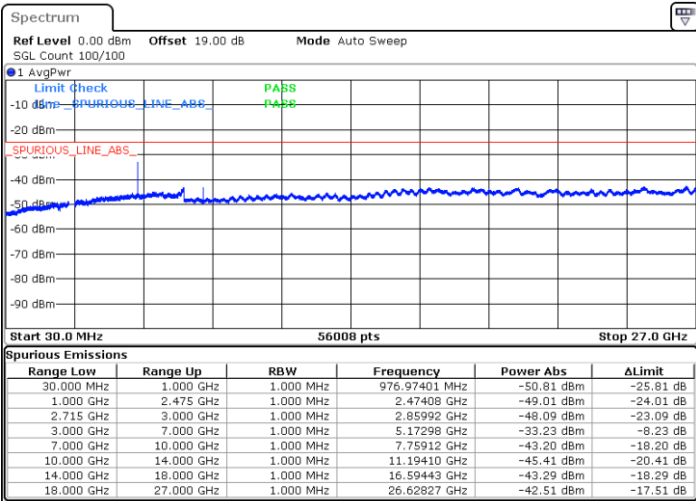


Date: 20.DEC.2020 23:51:15

Date: 20.DEC.2020 23:47:12

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20.DEC.2020 23:53:16

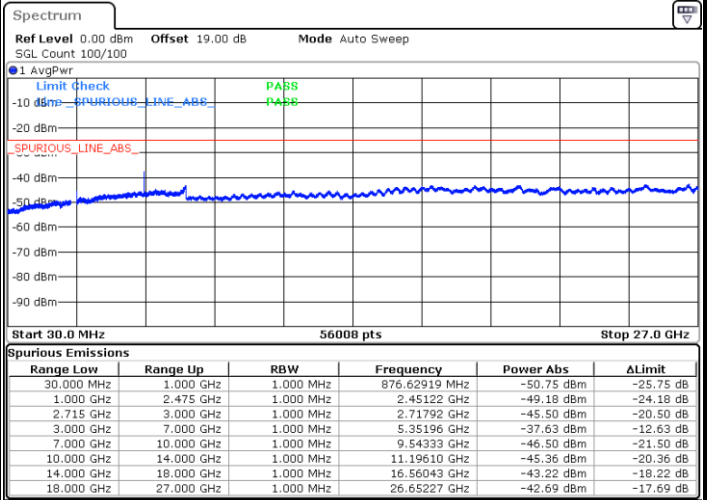
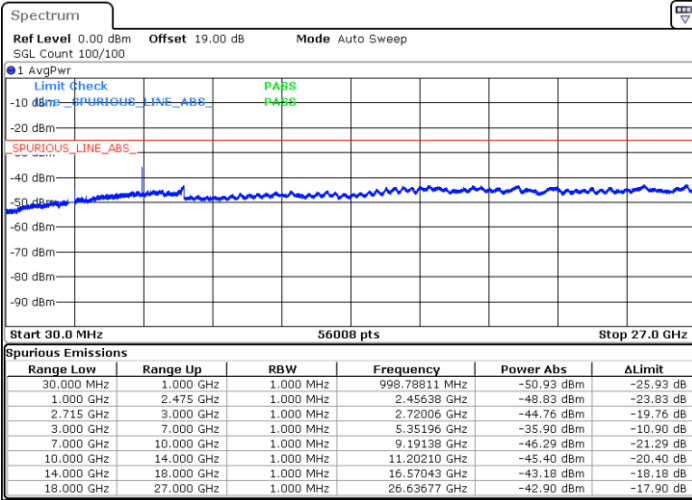
Date: 20.DEC.2020 23:55:17



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



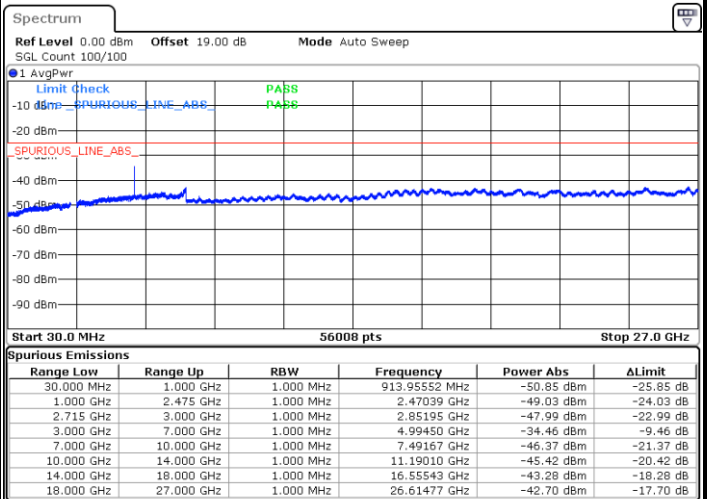
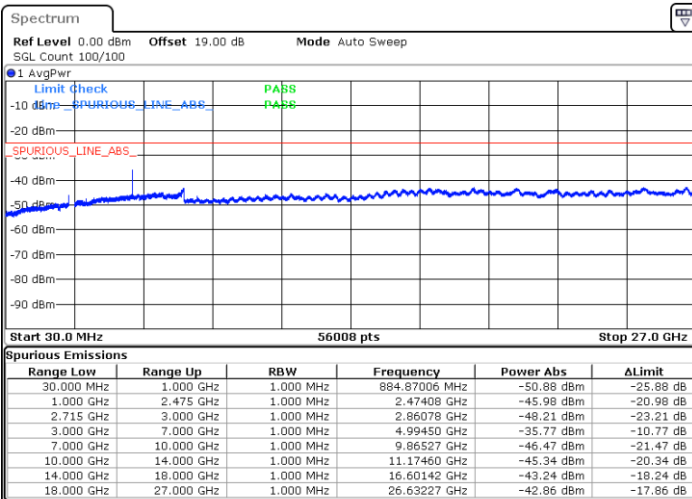
Date: 21.DEC.2020 00:02:29

Date: 21.DEC.2020 00:00:53

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 21.DEC.2020 01:21:13

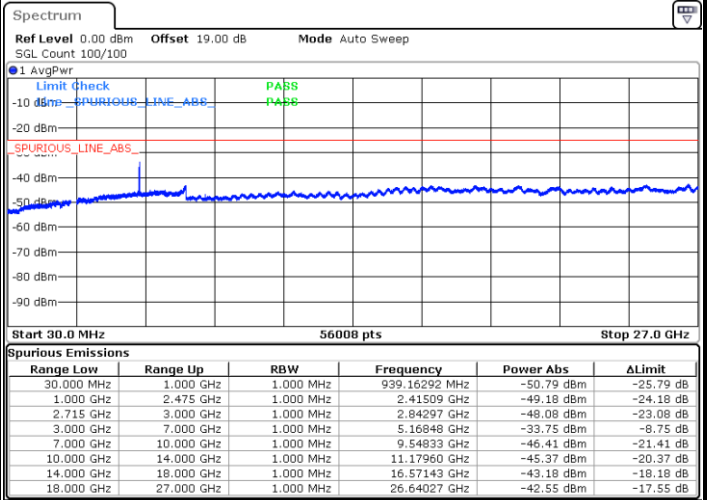
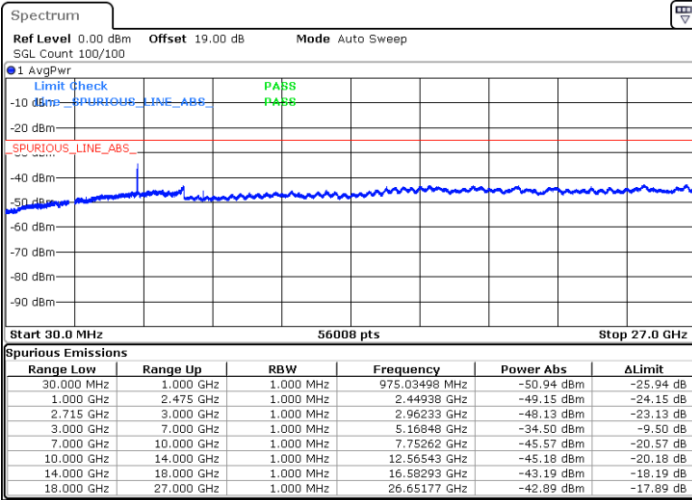
Date: 21.DEC.2020 01:18:21



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

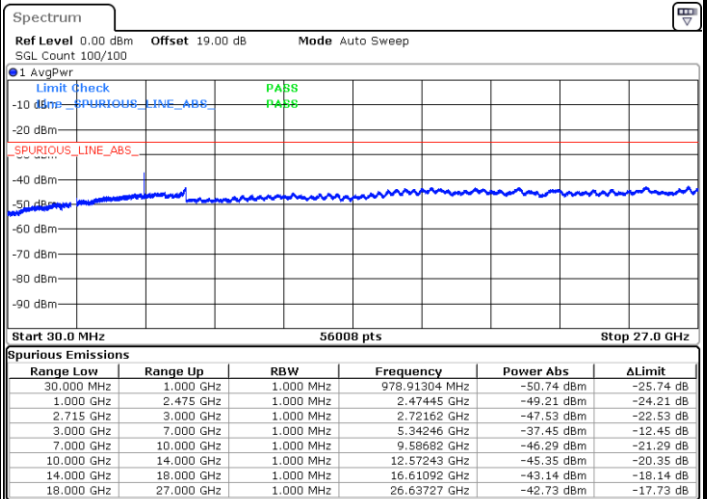
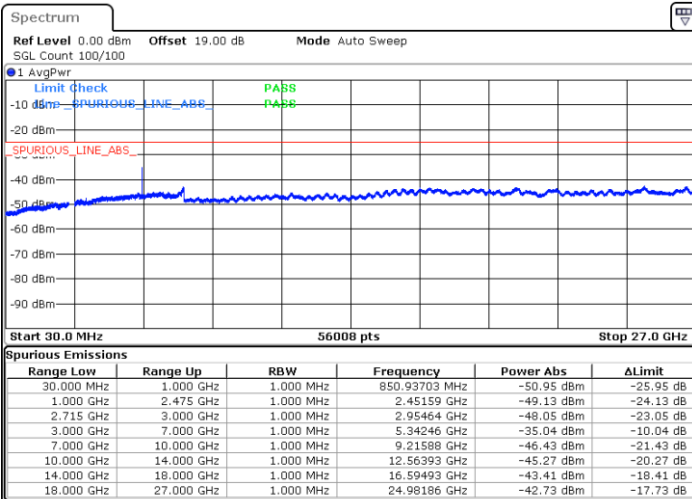


Date: 21.DEC.2020 01:25:43

Date: 21.DEC.2020 01:27:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.DEC.2020 01:33:02

Date: 21.DEC.2020 01:31:38

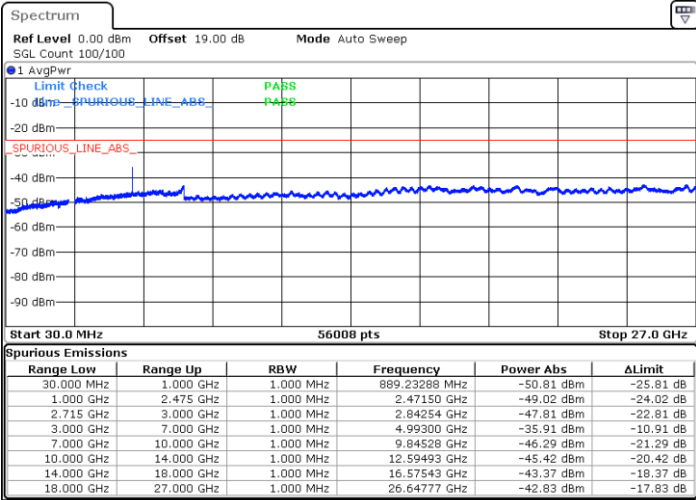




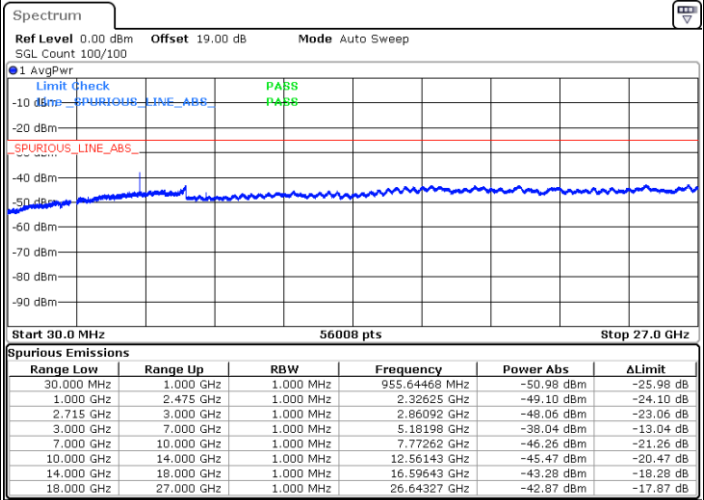
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

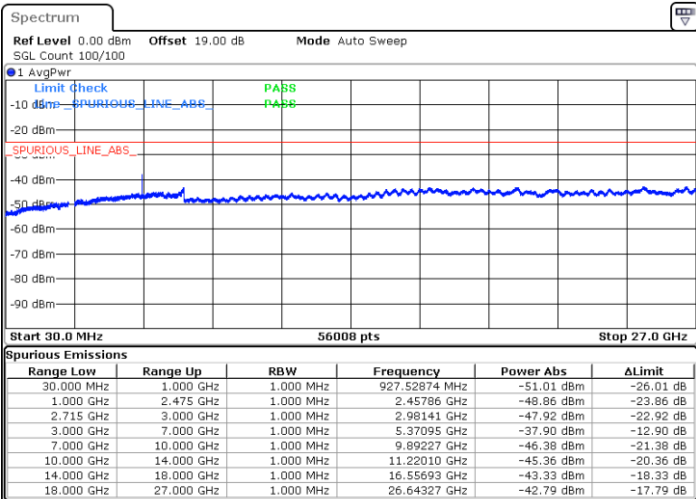


Date: 20.DEC.2020 19:57:26



Date: 20.DEC.2020 20:47:21

Highest Channel / 64QAM



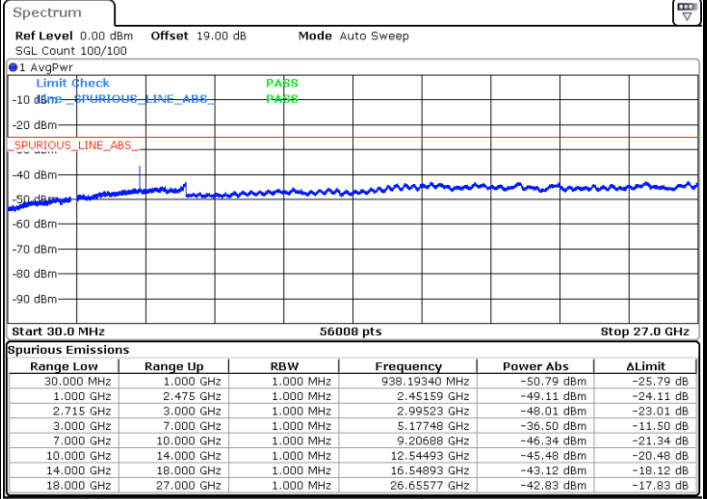
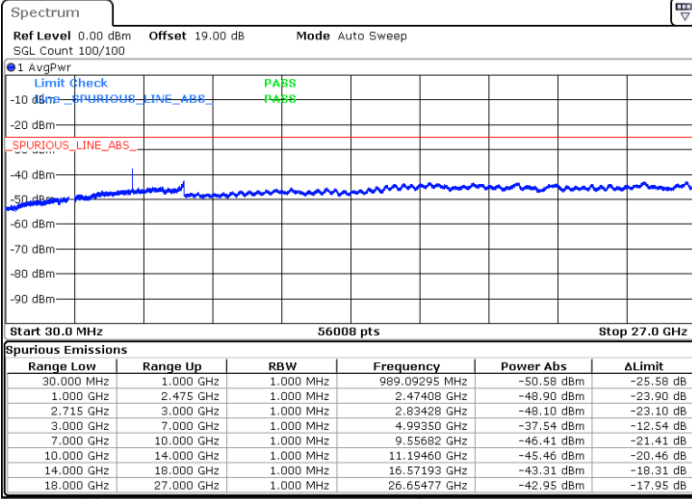
Date: 20.DEC.2020 20:50:24



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

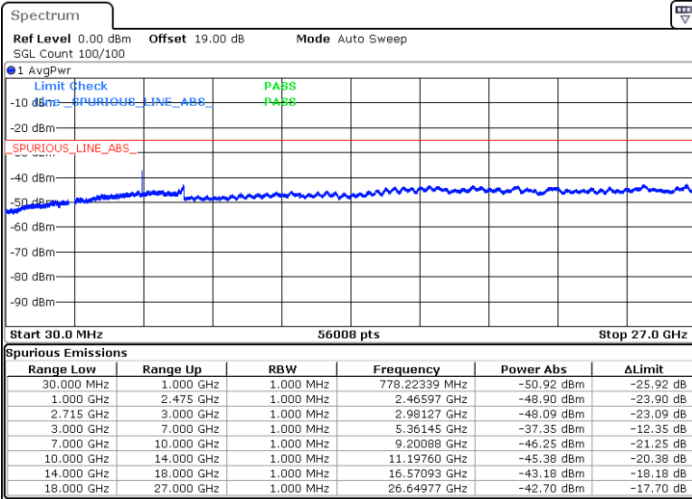
Middle Channel / 64QAM



Date: 20.DEC.2020 21:52:35

Date: 20.DEC.2020 22:10:48

Highest Channel / 64QAM



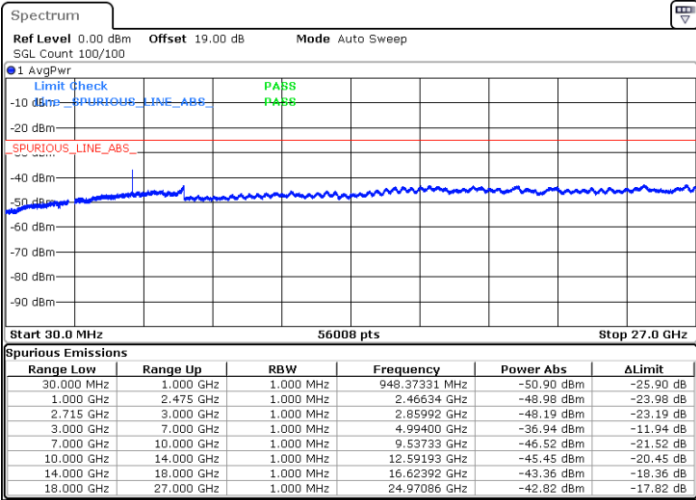
Date: 20.DEC.2020 22:12:57



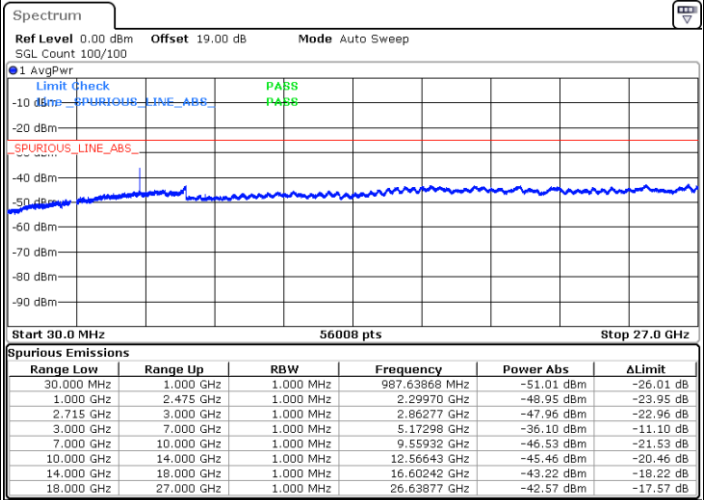
LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

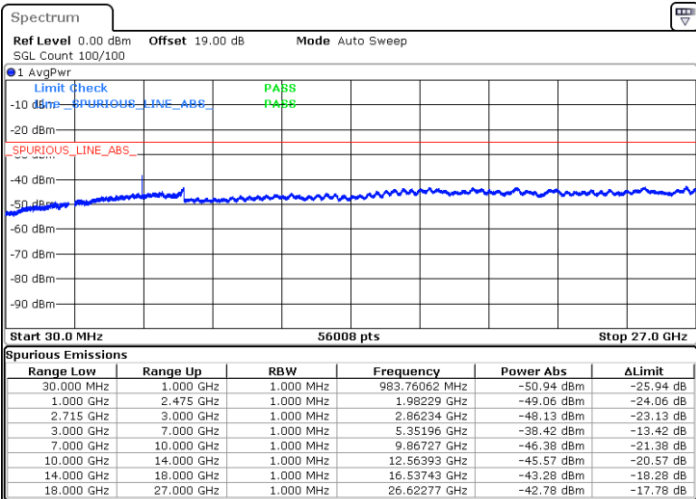


Date: 20.DEC.2020 23:43:35



Date: 20.DEC.2020 23:56:46

Highest Channel / 64QAM



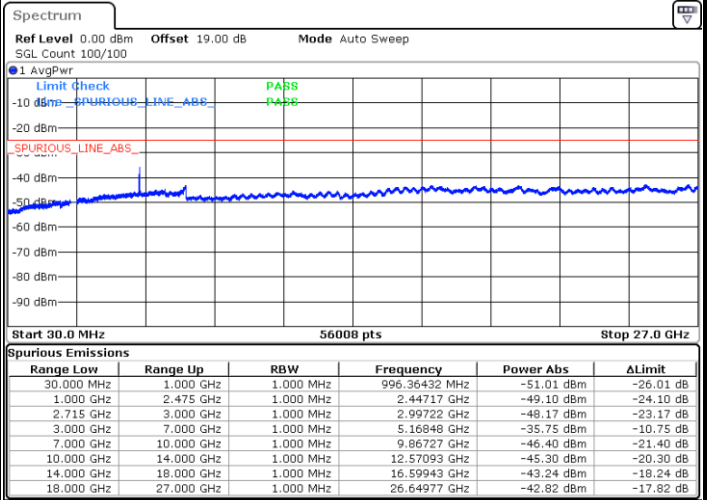
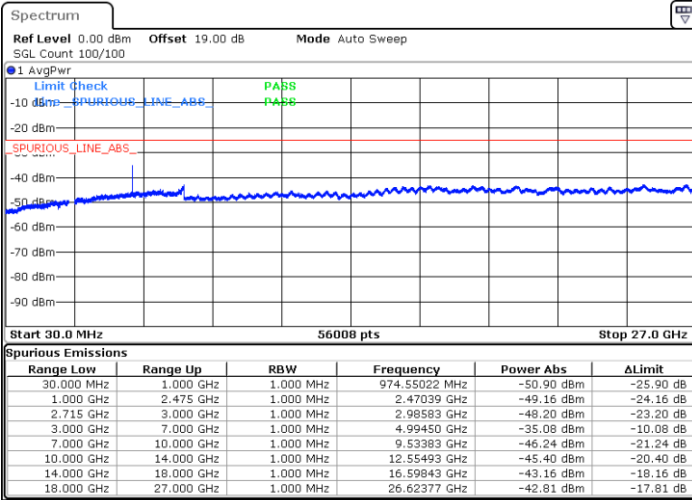
Date: 20.DEC.2020 23:59:23



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

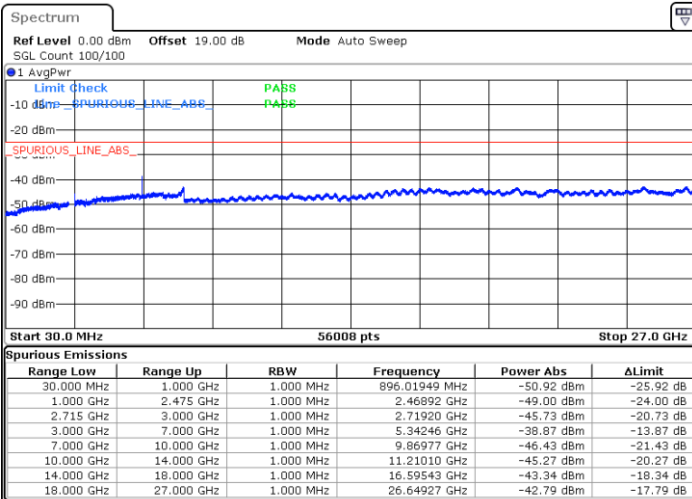
Middle Channel / 64QAM



Date: 21.DEC.2020 01:15:26

Date: 21.DEC.2020 01:28:29

Highest Channel / 64QAM



Date: 21.DEC.2020 01:30:17



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	0.0045	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0089	
-10	Normal Voltage	0.0076	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

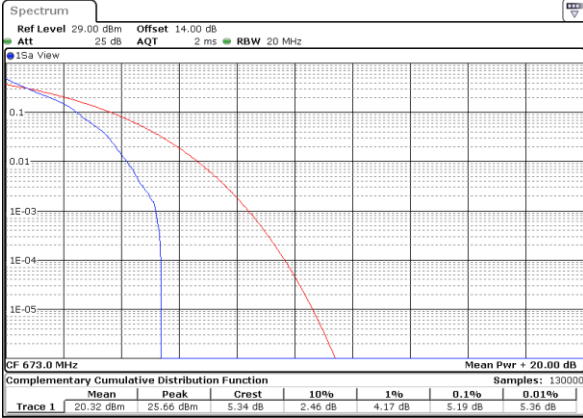
## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.28	5.59	6.03	<b>PASS</b>
Middle CH	5.07	5.10	6.20	5.86	
Highest CH	5.54	5.28	6.03	6.06	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.42	6.09	-	-	<b>PASS</b>
Middle CH	6.29	5.94	-	-	
Highest CH	6.26	6.17	-	-	



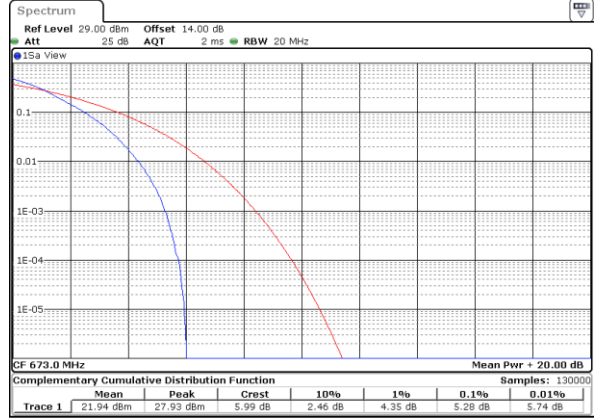
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



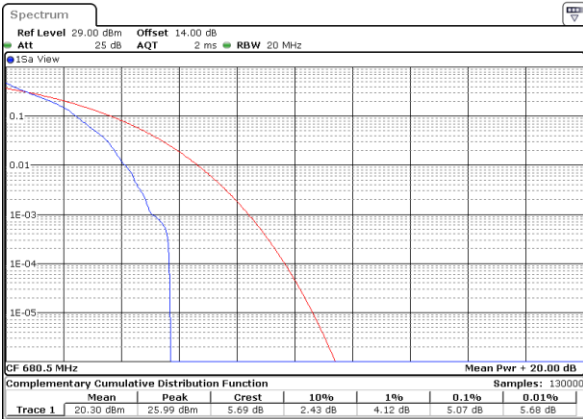
Date: 26.DEC.2020 19:37:43

Lowest Channel / Full RB



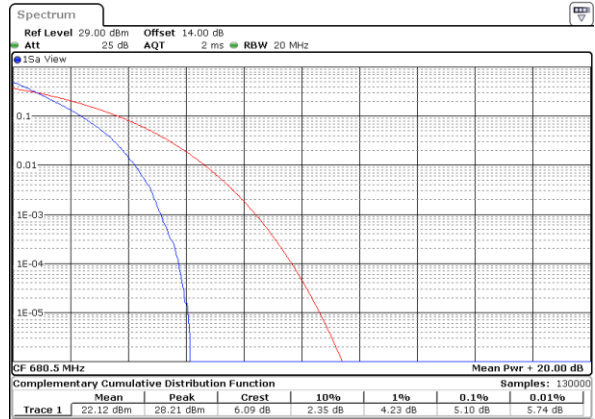
Date: 26.DEC.2020 19:35:43

Middle Channel / 1RB



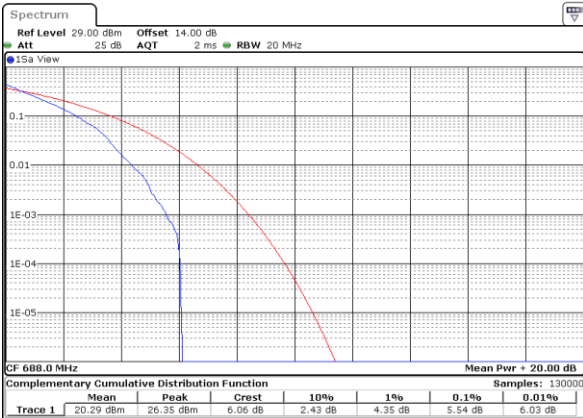
Date: 26.DEC.2020 19:38:17

Middle Channel / Full RB



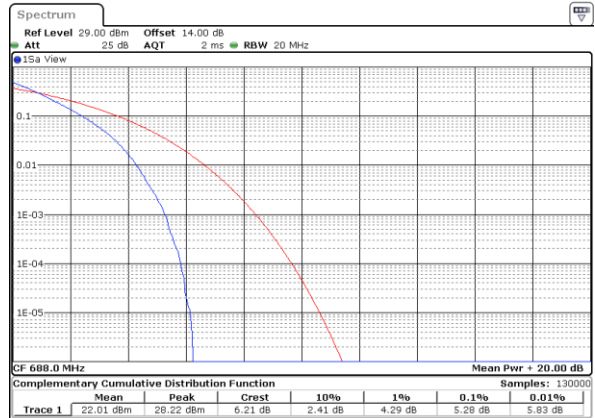
Date: 26.DEC.2020 19:39:32

Highest Channel / 1RB



Date: 26.DEC.2020 19:41:18

Highest Channel / Full RB

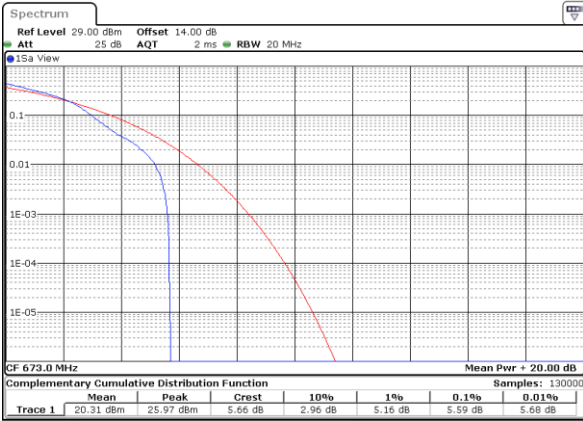


Date: 26.DEC.2020 19:40:10



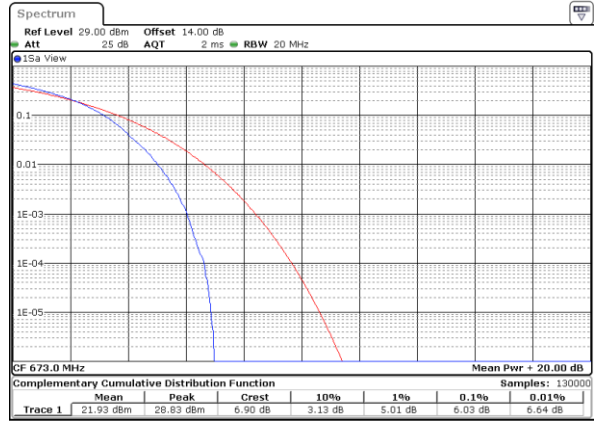
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



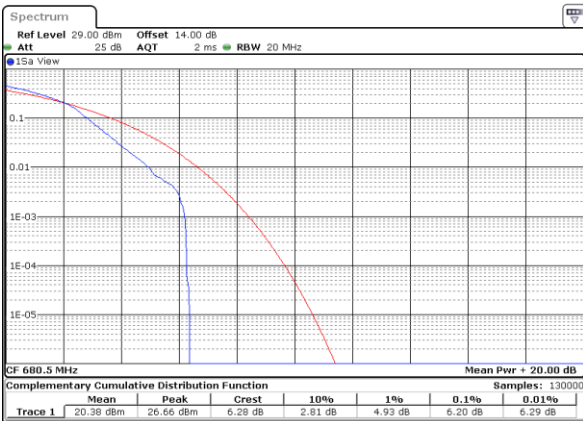
Date: 26.DEC.2020 19:37:30

Lowest Channel / Full RB



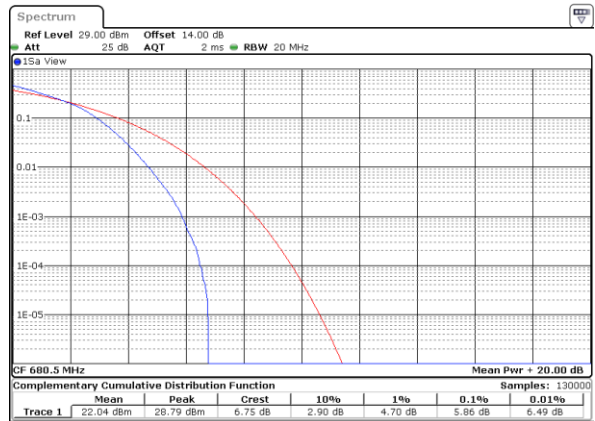
Date: 26.DEC.2020 19:35:58

Middle Channel / 1RB



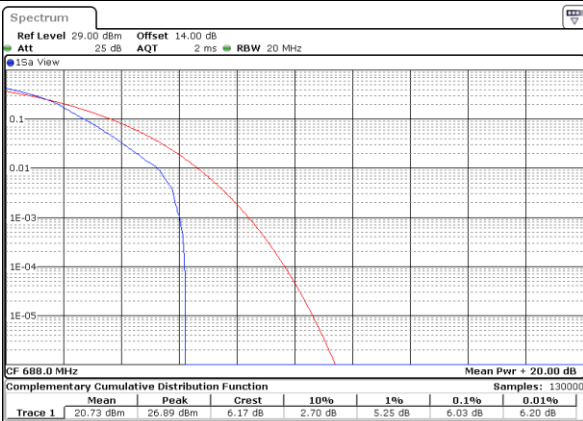
Date: 26.DEC.2020 19:38:31

Middle Channel / Full RB



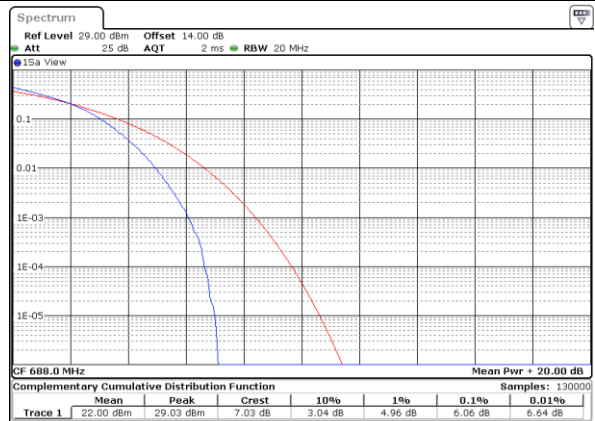
Date: 26.DEC.2020 19:39:20

Highest Channel / 1RB



Date: 26.DEC.2020 19:41:05

Highest Channel / Full RB



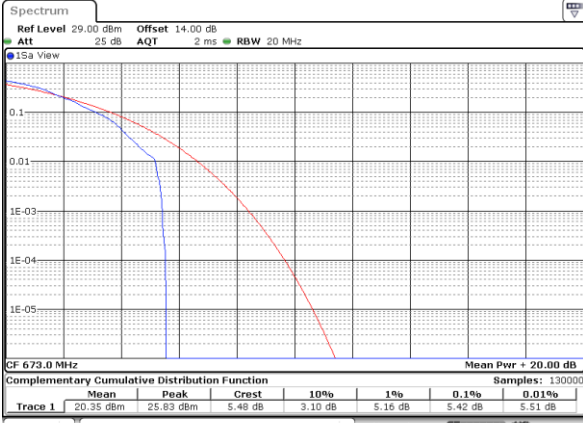
Date: 26.DEC.2020 19:40:22





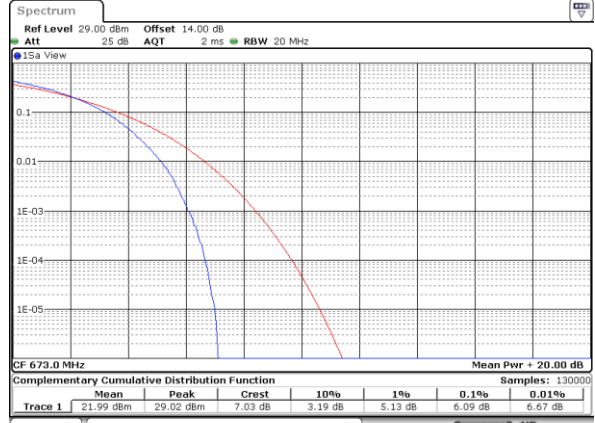
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



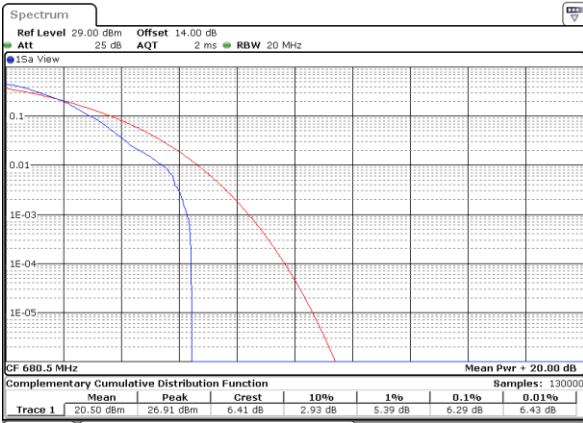
Date: 26.DEC.2020 19:37:15

Lowest Channel / Full RB



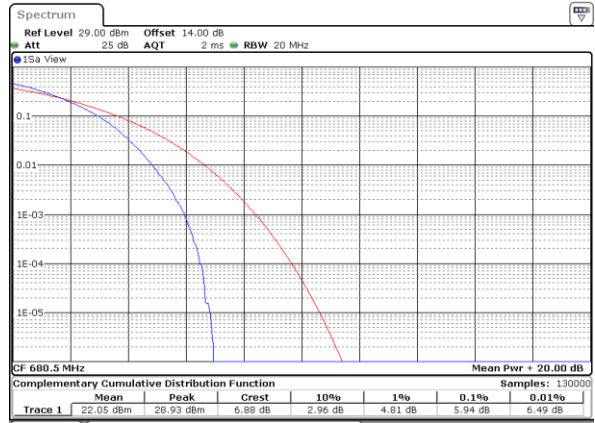
Date: 26.DEC.2020 19:36:29

Middle Channel / 1RB



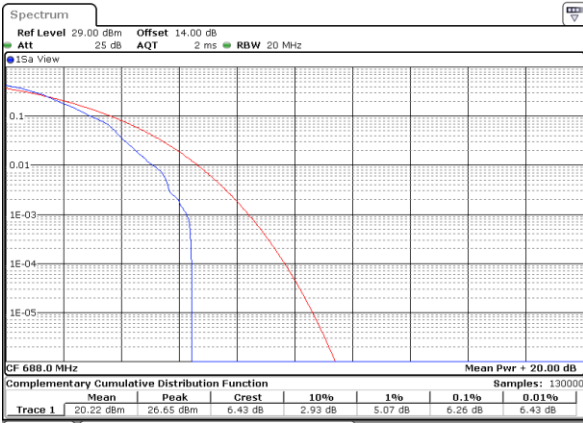
Date: 26.DEC.2020 19:38:44

Middle Channel / Full RB



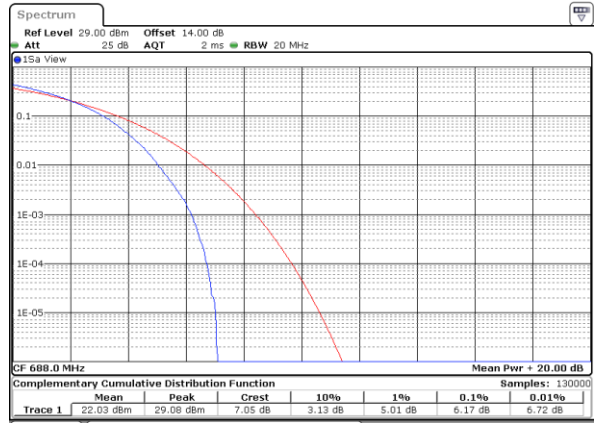
Date: 26.DEC.2020 19:39:05

Highest Channel / 1RB



Date: 26.DEC.2020 19:40:53

Highest Channel / Full RB



Date: 26.DEC.2020 19:40:34



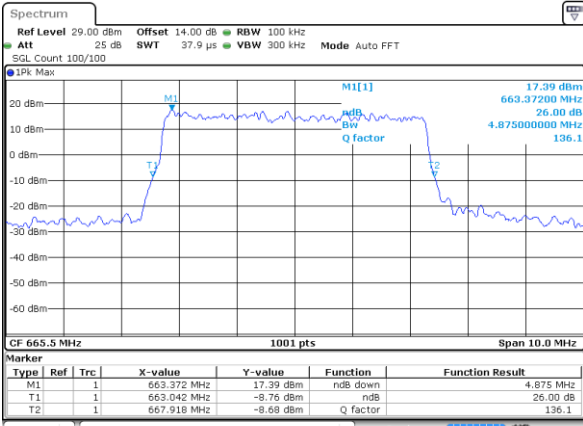
**26dB Bandwidth**

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	4.96	9.73	9.71	14.24	14.18	18.82	18.94
Middle CH	-	-	-	-	4.89	4.87	9.83	9.73	14.24	14.51	19.02	18.90
Highest CH	-	-	-	-	4.88	4.87	9.85	9.77	14.39	14.27	18.86	18.86
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	-	9.81	-	14.24	-	18.98	-
Middle CH	-	-	-	-	4.95	-	9.95	-	14.48	-	18.94	-
Highest CH	-	-	-	-	4.89	-	9.75	-	14.21	-	18.86	-



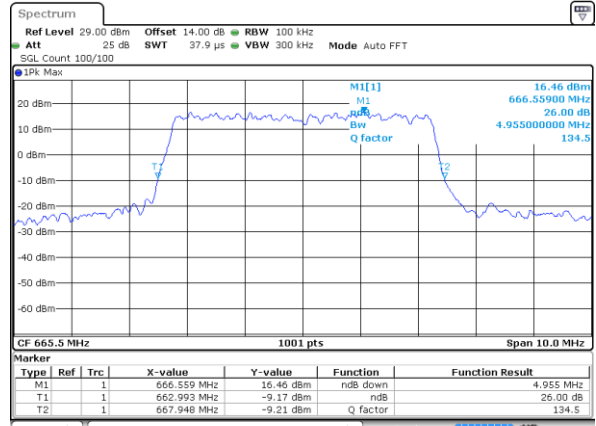
LTE Band 71

Lowest Channel / 5MHz / QPSK



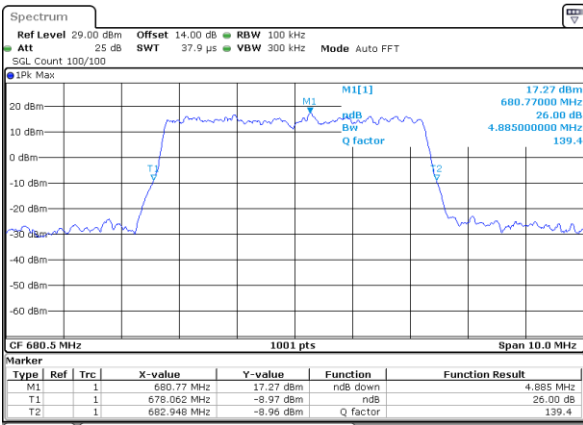
Date: 19 DEC 2020 10:28:50

Lowest Channel / 5MHz / 16QAM



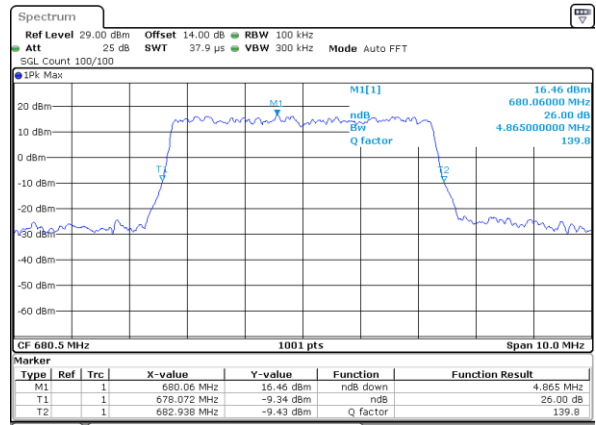
Date: 19 DEC 2020 10:28:19

Middle Channel / 5MHz / QPSK



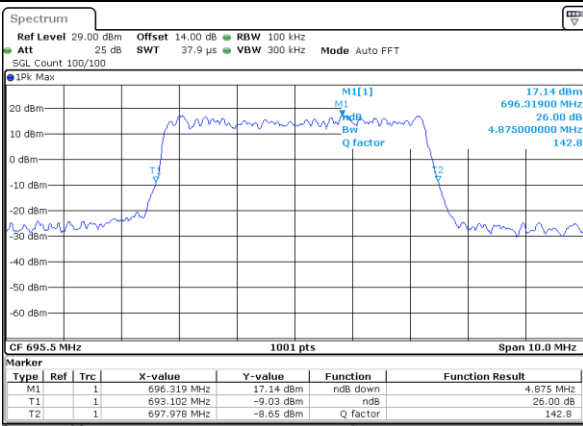
Date: 19 DEC 2020 10:39:17

Middle Channel / 5MHz / 16QAM



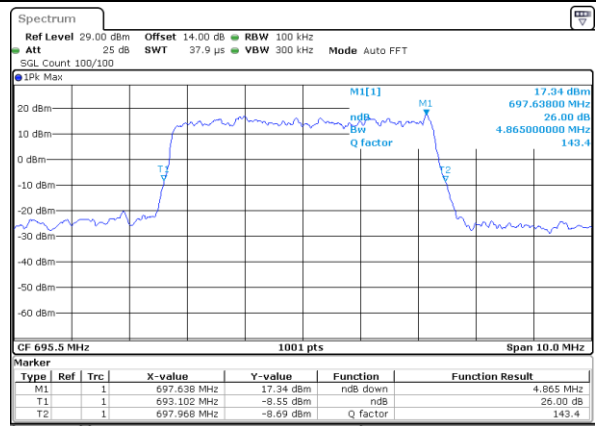
Date: 19 DEC 2020 10:39:00

Highest Channel / 5MHz / QPSK



Date: 19 DEC 2020 10:39:58

Highest Channel / 5MHz / 16QAM

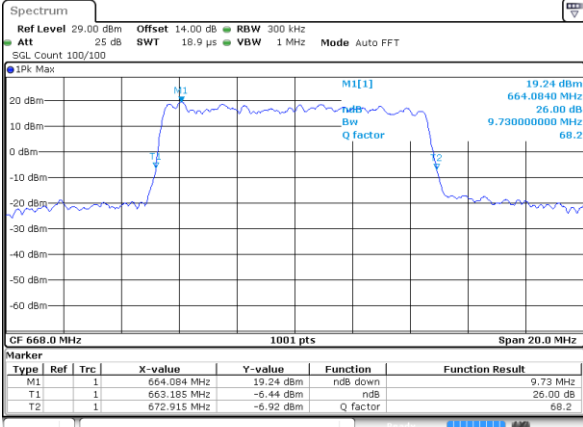


Date: 19 DEC 2020 10:41:01



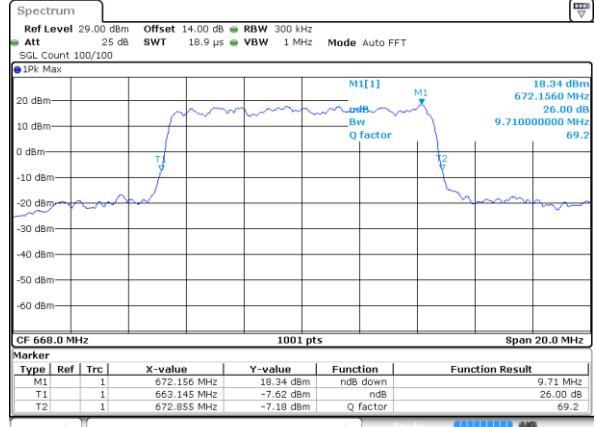
LTE Band 71

Lowest Channel / 10MHz / QPSK



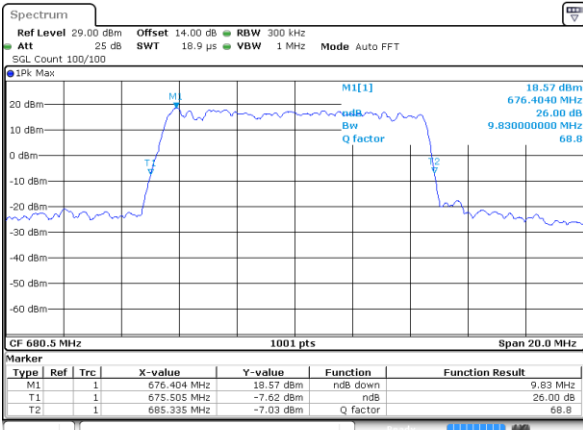
Date: 19 DEC 2020 10:48:31

Lowest Channel / 10MHz / 16QAM



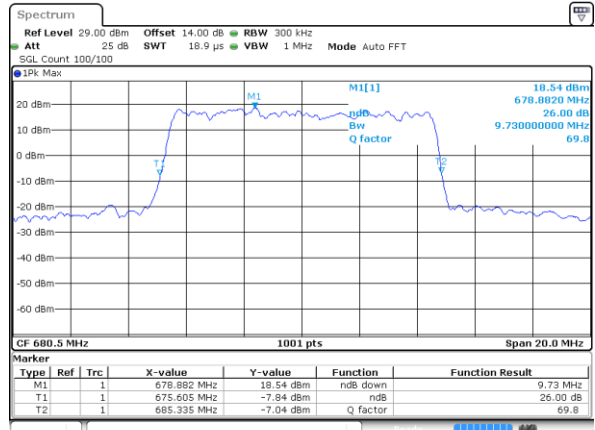
Date: 19 DEC 2020 10:49:27

Middle Channel / 10MHz / QPSK



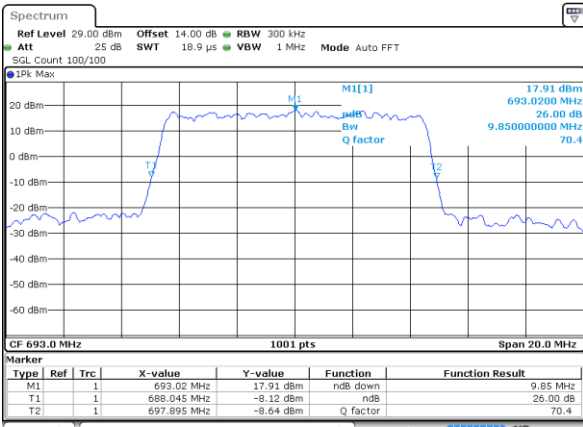
Date: 19 DEC 2020 10:56:12

Middle Channel / 10MHz / 16QAM



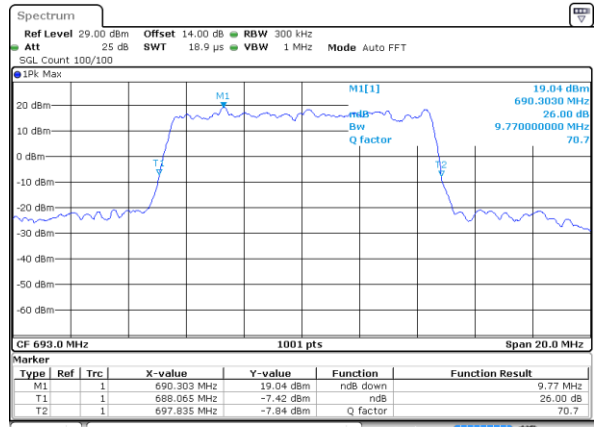
Date: 19 DEC 2020 10:55:50

Highest Channel / 10MHz / QPSK



Date: 19 DEC 2020 10:56:45

Highest Channel / 10MHz / 16QAM

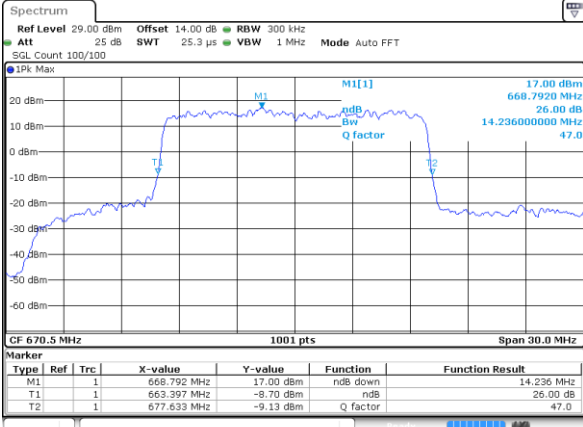


Date: 19 DEC 2020 10:57:38



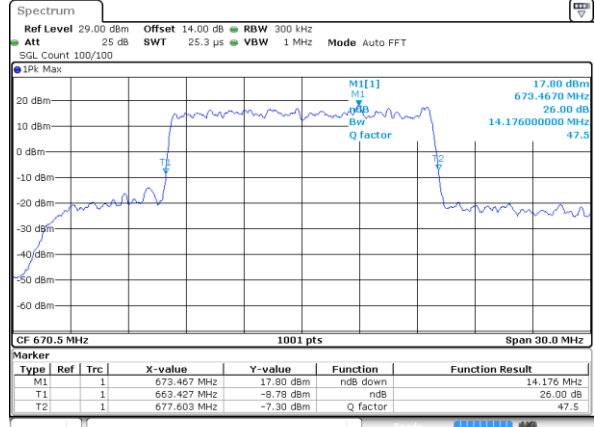
LTE Band 71

Lowest Channel / 15MHz / QPSK



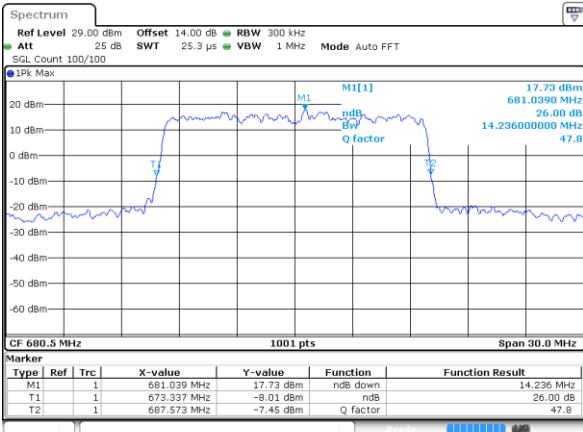
Date: 19 DEC 2020 11:04:27

Lowest Channel / 15MHz / 16QAM



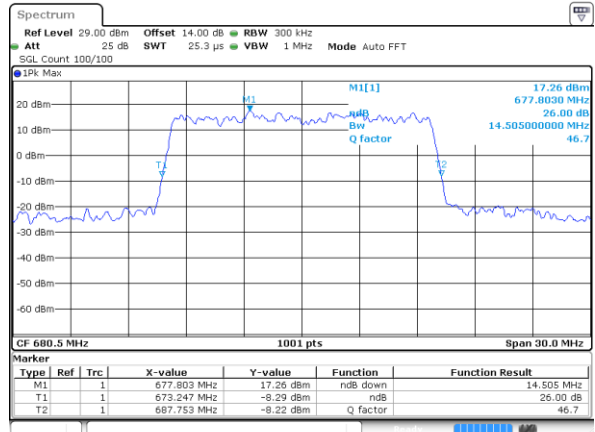
Date: 19 DEC 2020 11:05:37

Middle Channel / 15MHz / QPSK



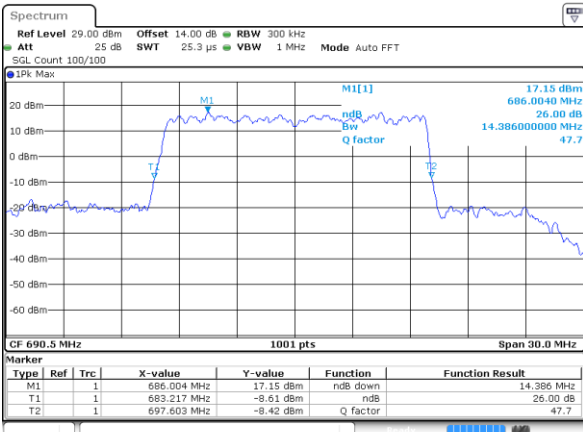
Date: 19 DEC 2020 11:12:41

Middle Channel / 15MHz / 16QAM



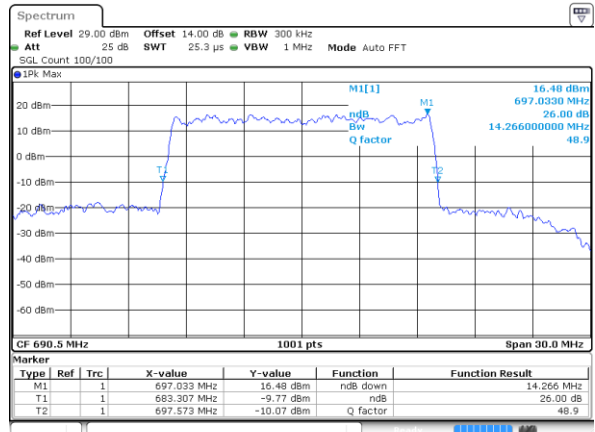
Date: 19 DEC 2020 11:12:23

Highest Channel / 15MHz / QPSK



Date: 19 DEC 2020 11:13:19

Highest Channel / 15MHz / 16QAM

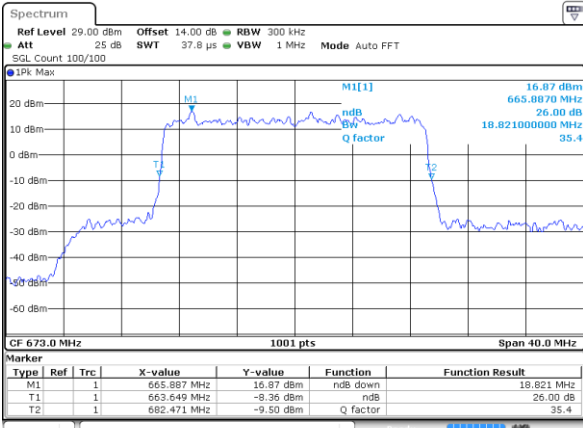


Date: 19 DEC 2020 11:14:08



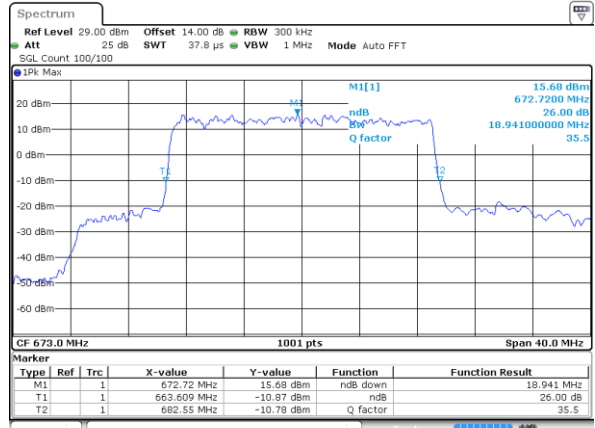
LTE Band 71

Lowest Channel / 20MHz / QPSK



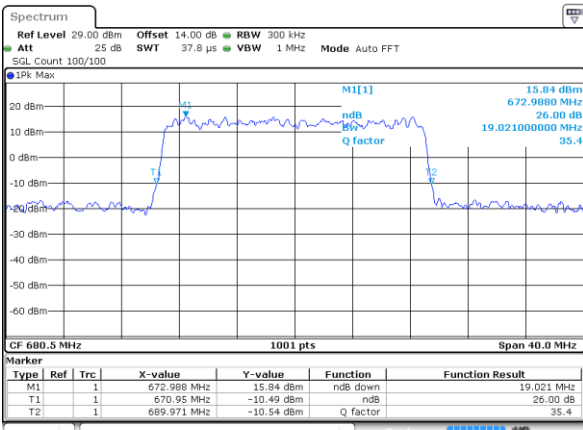
Date: 19 DEC 2020 11:45:32

Lowest Channel / 20MHz / 16QAM



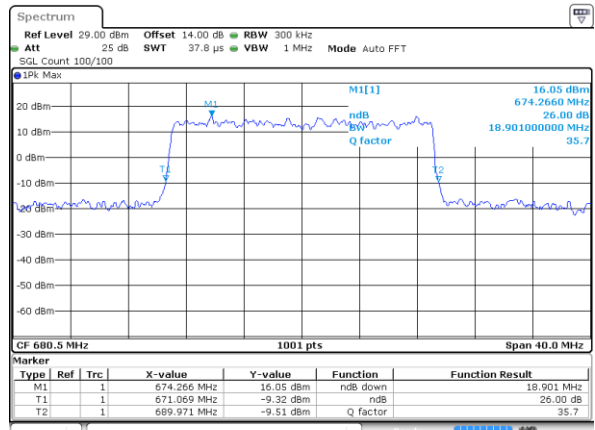
Date: 19 DEC 2020 11:46:44

Middle Channel / 20MHz / QPSK



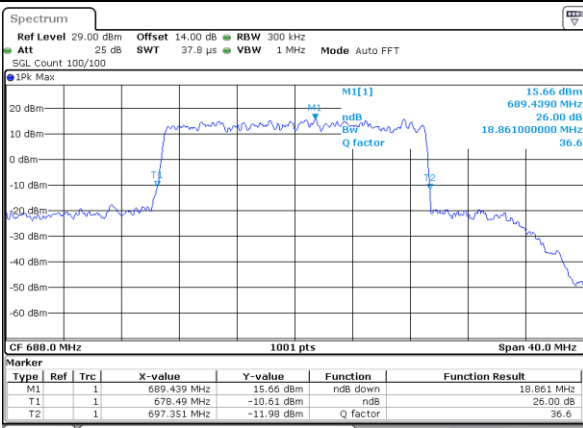
Date: 19 DEC 2020 12:14:18

Middle Channel / 20MHz / 16QAM



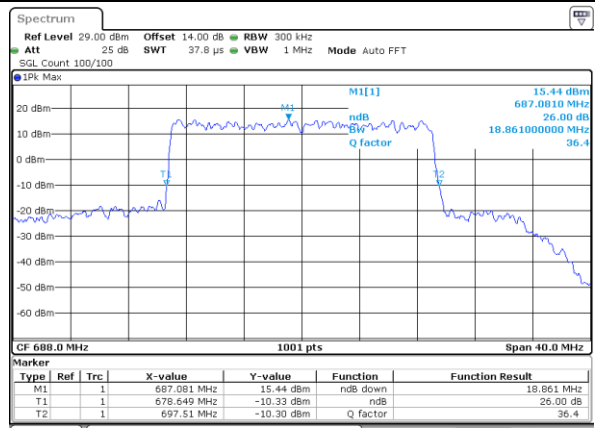
Date: 19 DEC 2020 12:14:00

Highest Channel / 20MHz / QPSK



Date: 19 DEC 2020 12:14:51

Highest Channel / 20MHz / 16QAM

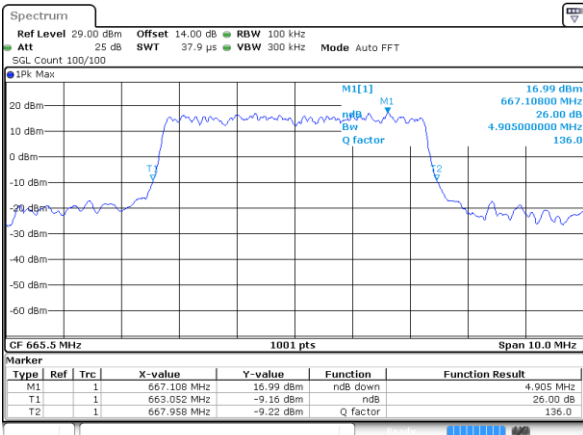


Date: 19 DEC 2020 12:15:45



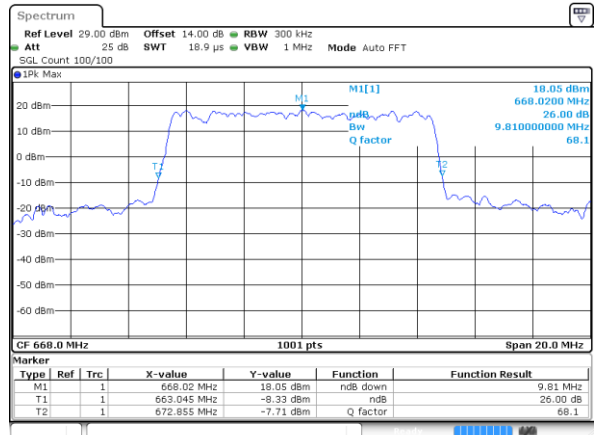
LTE Band 71

Lowest Channel / 5MHz / 64QAM



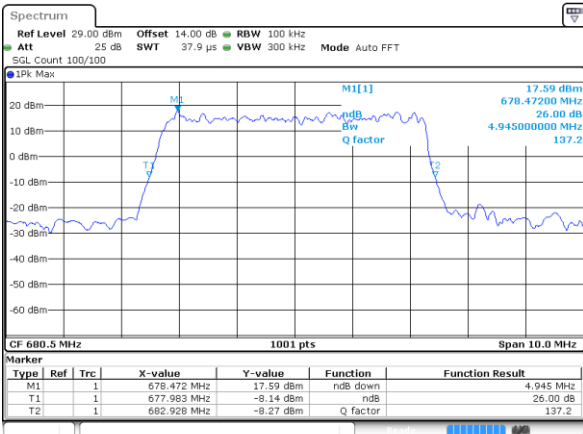
Date: 19 DEC 2020 10:29:20

Lowest Channel / 10MHz / 64QAM



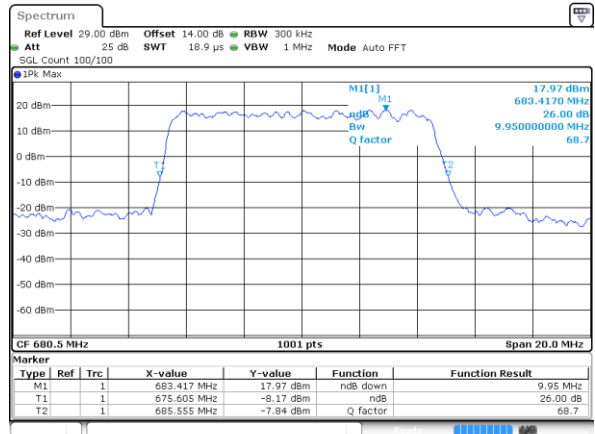
Date: 19 DEC 2020 10:50:16

Middle Channel / 5MHz / 64QAM



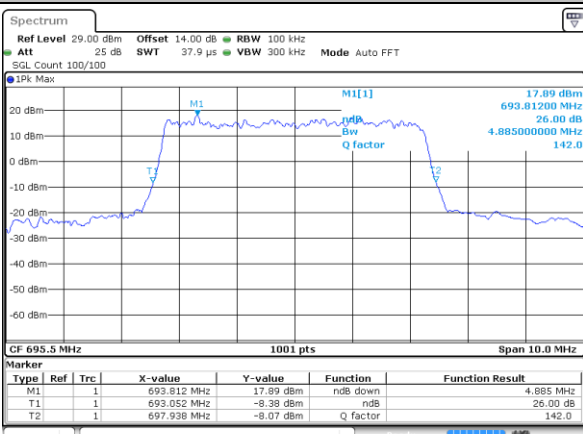
Date: 19 DEC 2020 10:38:41

Middle Channel / 10MHz / 64QAM



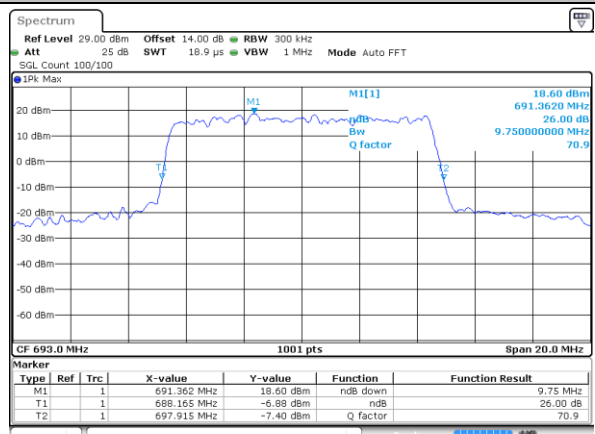
Date: 19 DEC 2020 10:55:33

Highest Channel / 5MHz / 64QAM



Date: 19 DEC 2020 10:42:44

Highest Channel / 10MHz / 64QAM

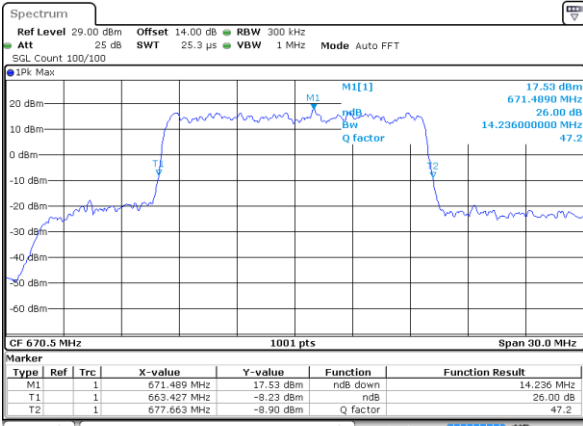


Date: 19 DEC 2020 10:58:37



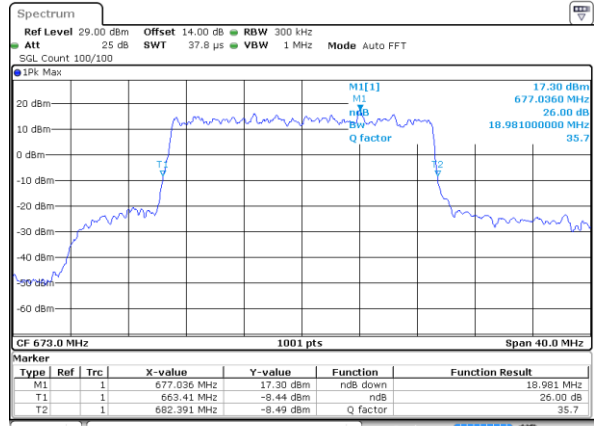
LTE Band 71

Lowest Channel / 15MHz / 64QAM



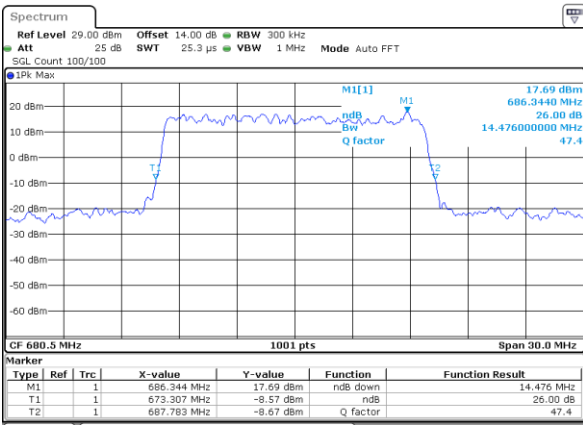
Date: 19 DEC 2020 11:06:25

Lowest Channel / 20MHz / 64QAM



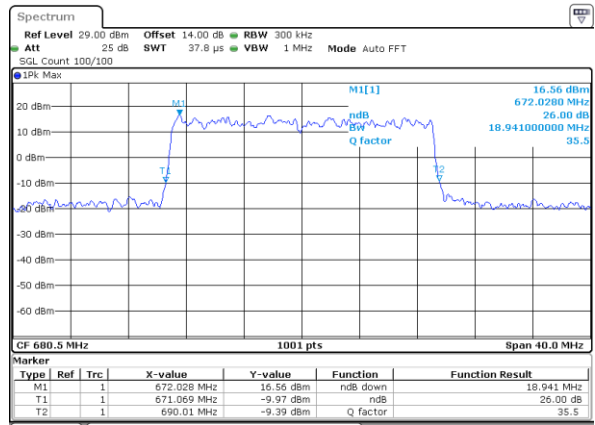
Date: 19 DEC 2020 11:47:45

Middle Channel / 15MHz / 64QAM



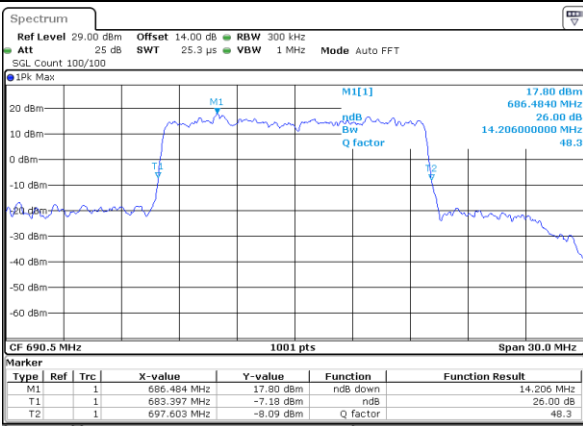
Date: 19 DEC 2020 11:12:04

Middle Channel / 20MHz / 64QAM



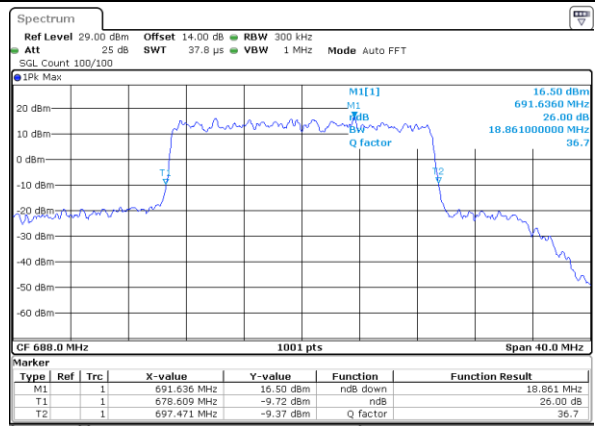
Date: 19 DEC 2020 12:13:34

Highest Channel / 15MHz / 64QAM



Date: 19 DEC 2020 11:15:27

Highest Channel / 20MHz / 64QAM



Date: 19 DEC 2020 12:17:16





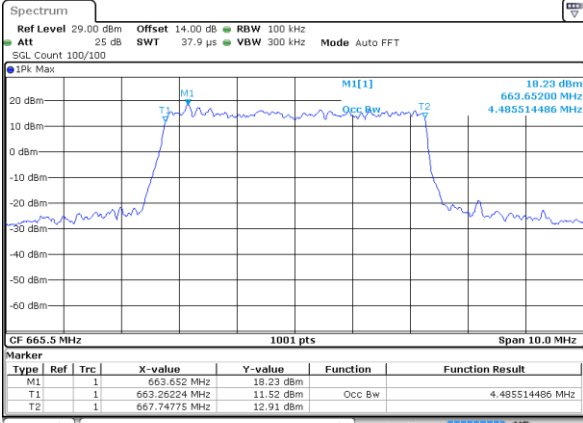
Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
BW				5MHz		10MHz		15MHz		20MHz		
Mod.				QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Lowest CH				4.49	4.50	9.11	9.05	13.43	13.43	17.94	17.86	
Middle CH				4.49	4.47	9.09	9.05	13.46	13.43	17.98	17.90	
Highest CH				4.49	4.49	9.01	9.01	13.37	13.43	17.98	17.86	
Mode	LTE Band 71 : 99%OBW(MHz)											
BW				5MHz		10MHz		15MHz		20MHz		
Mod.				64QAM		64QAM		64QAM		64QAM		
Lowest CH				4.48	-	9.01	-	13.52	-	17.90	-	
Middle CH				4.49	-	9.03	-	13.46	-	17.94	-	
Highest CH				4.50	-	9.03	-	13.34	-	17.90	-	



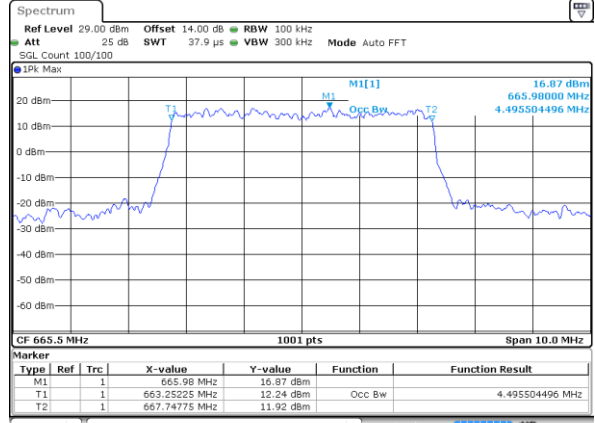
LTE Band 71

Lowest Channel / 5MHz / QPSK



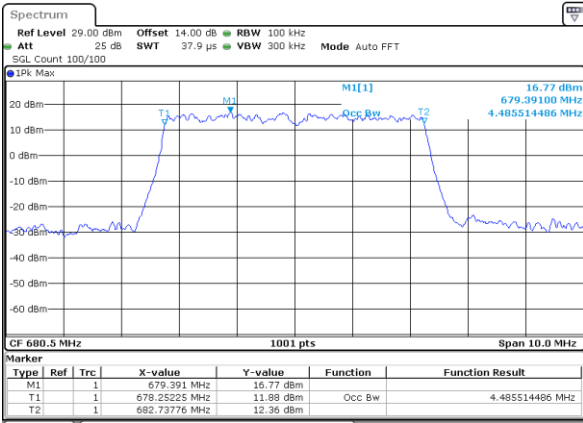
Date: 19 DEC 2020 10:26:42

Lowest Channel / 5MHz / 16QAM



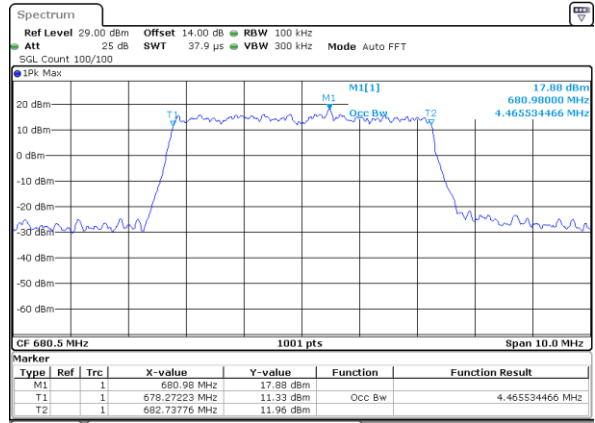
Date: 19 DEC 2020 10:28:14

Middle Channel / 5MHz / QPSK



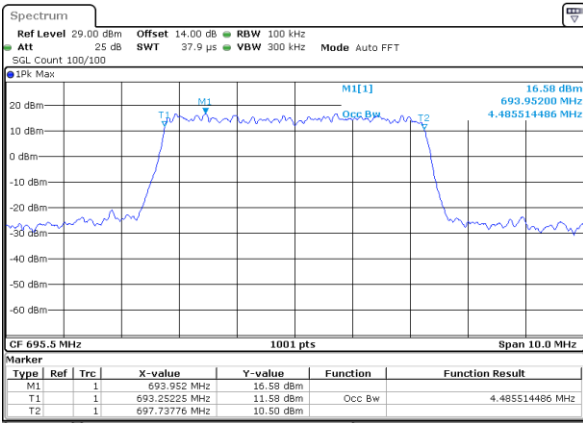
Date: 19 DEC 2020 10:39:10

Middle Channel / 5MHz / 16QAM



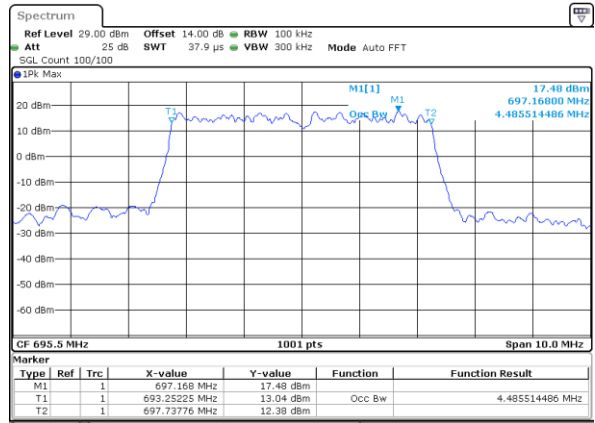
Date: 19 DEC 2020 10:38:53

Highest Channel / 5MHz / QPSK



Date: 19 DEC 2020 10:39:51

Highest Channel / 5MHz / 16QAM

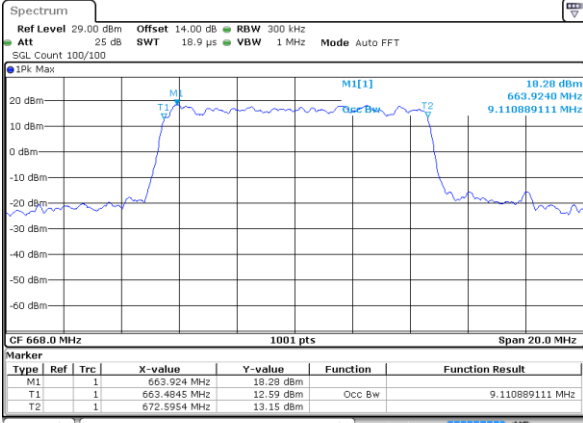


Date: 19 DEC 2020 10:40:55



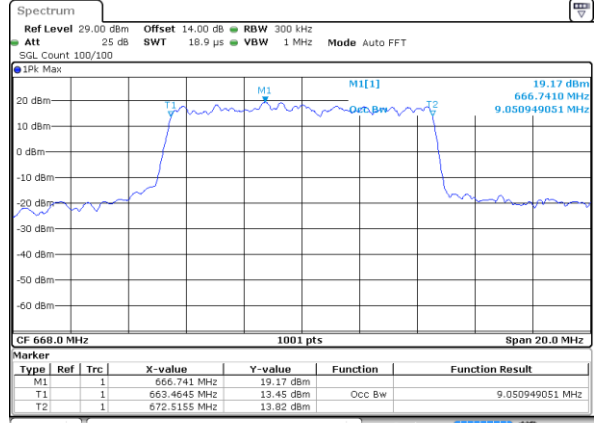
LTE Band 71

Lowest Channel / 10MHz / QPSK



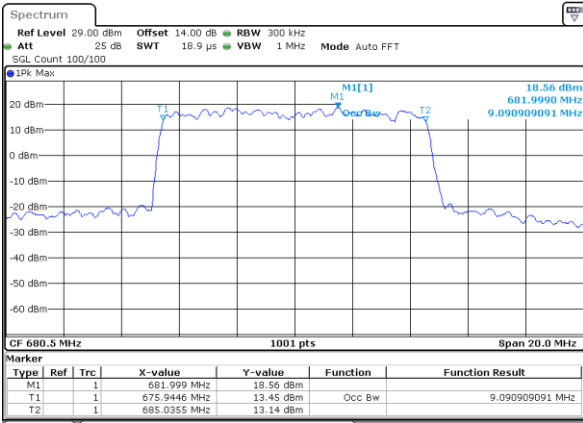
Date: 19 DEC 2020 10:48:25

Lowest Channel / 10MHz / 16QAM



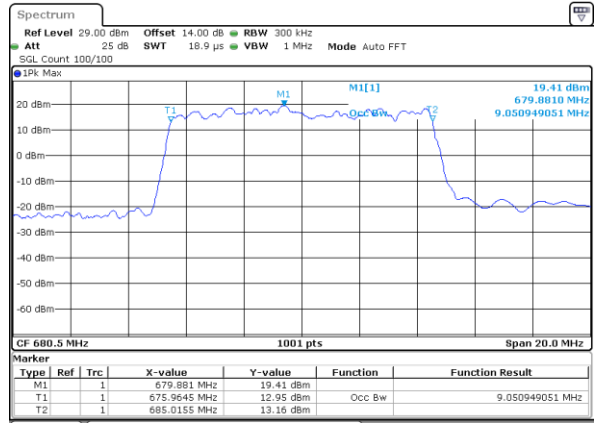
Date: 19 DEC 2020 10:49:19

Middle Channel / 10MHz / QPSK



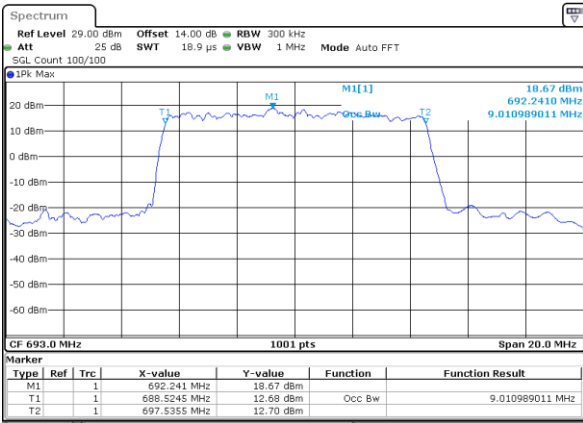
Date: 19 DEC 2020 10:56:04

Middle Channel / 10MHz / 16QAM



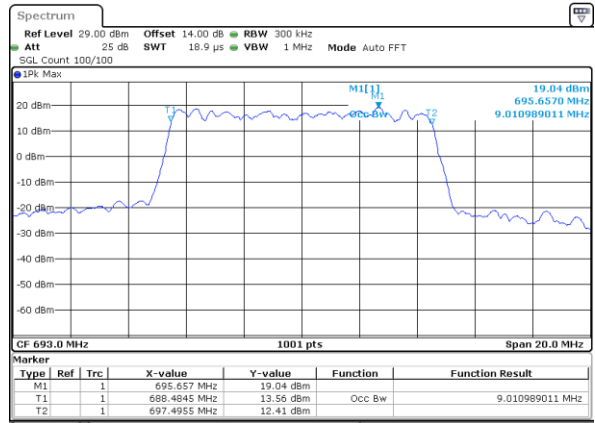
Date: 19 DEC 2020 10:55:43

Highest Channel / 10MHz / QPSK



Date: 19 DEC 2020 10:56:39

Highest Channel / 10MHz / 16QAM

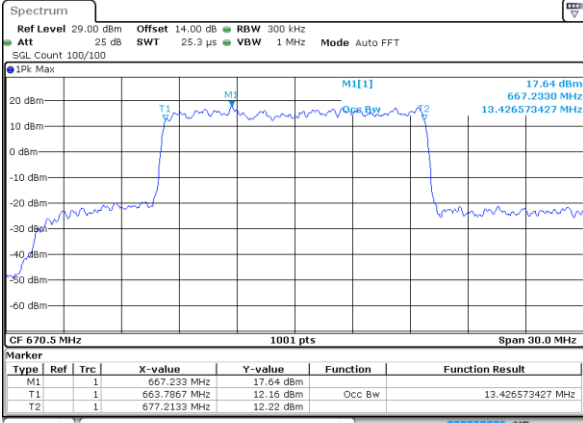


Date: 19 DEC 2020 10:57:32



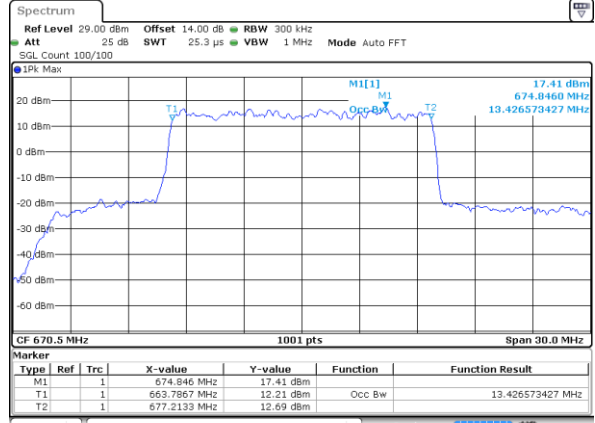
LTE Band 71

Lowest Channel / 15MHz / QPSK



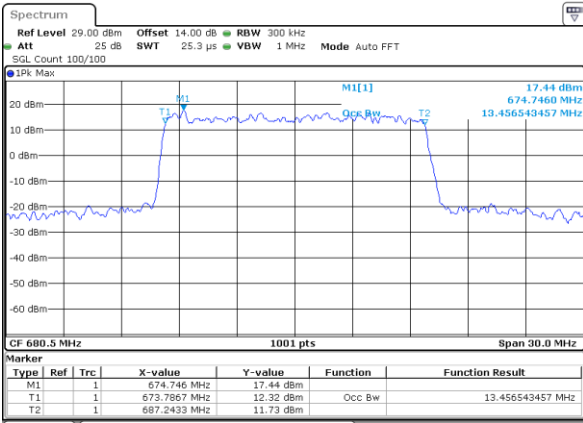
Date: 19 DEC 2020 11:05:17

Lowest Channel / 15MHz / 16QAM



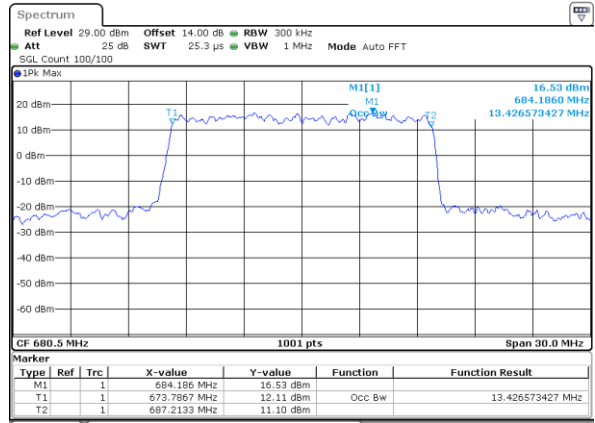
Date: 19 DEC 2020 11:05:29

Middle Channel / 15MHz / QPSK



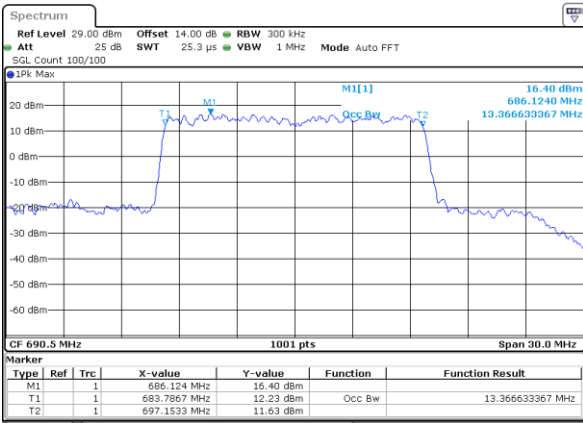
Date: 19 DEC 2020 11:12:34

Middle Channel / 15MHz / 16QAM



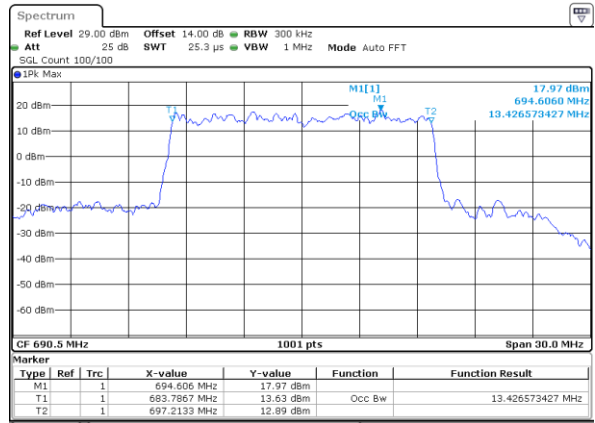
Date: 19 DEC 2020 11:12:16

Highest Channel / 15MHz / QPSK



Date: 19 DEC 2020 11:13:11

Highest Channel / 15MHz / 16QAM



Date: 19 DEC 2020 11:14:02