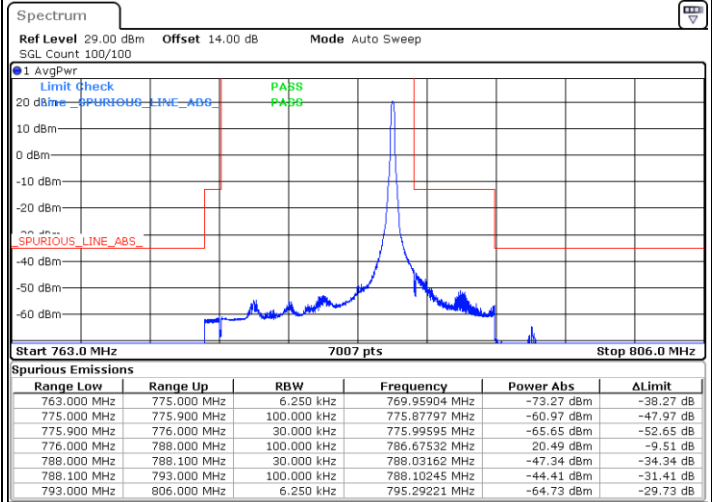
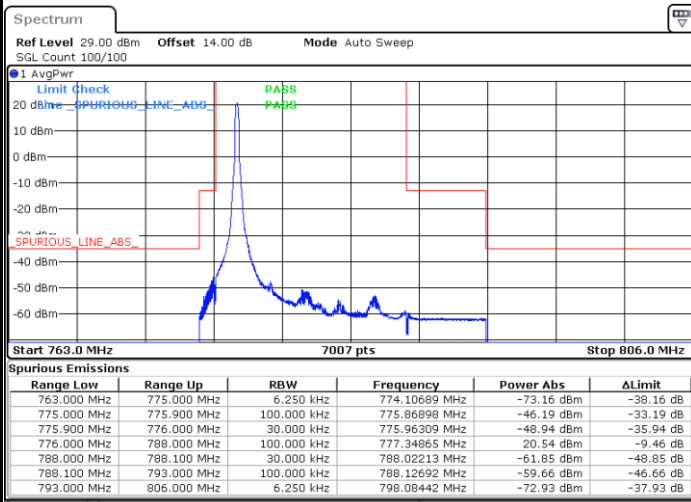




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

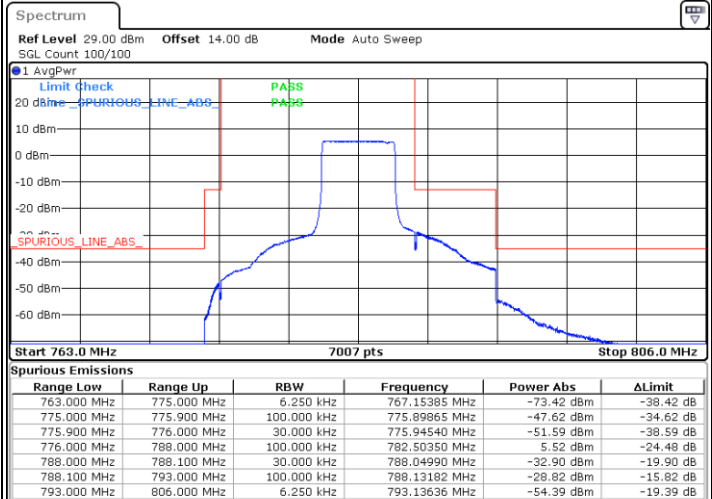
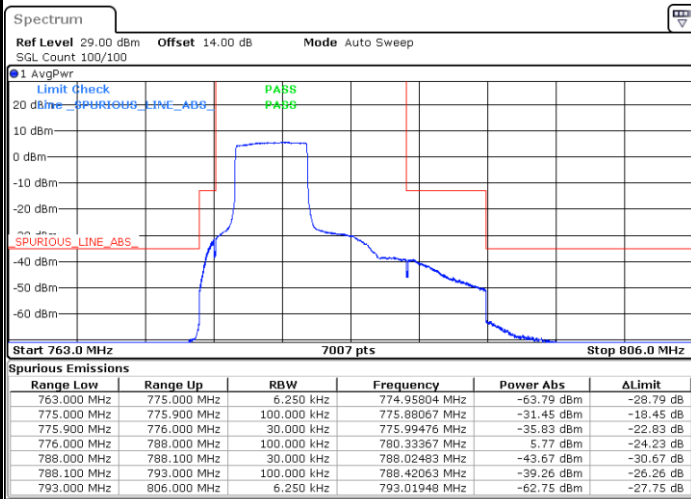


Date: 28.MAR.2022 11:13:47

Date: 28.MAR.2022 11:28:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAR.2022 11:11:54

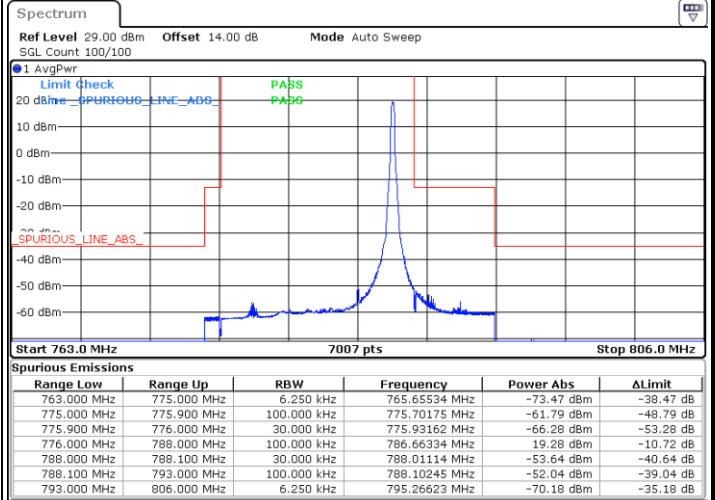
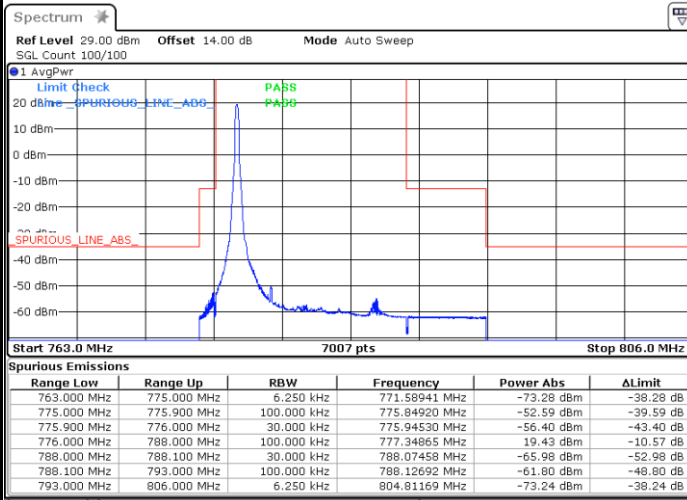
Date: 28.MAR.2022 11:26:49



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

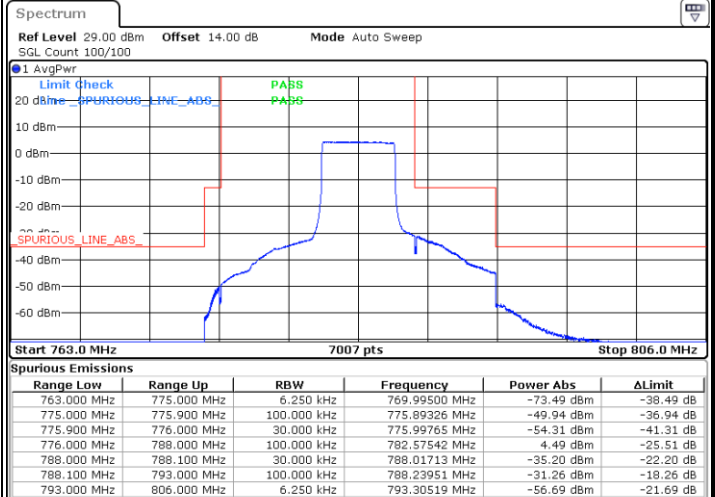
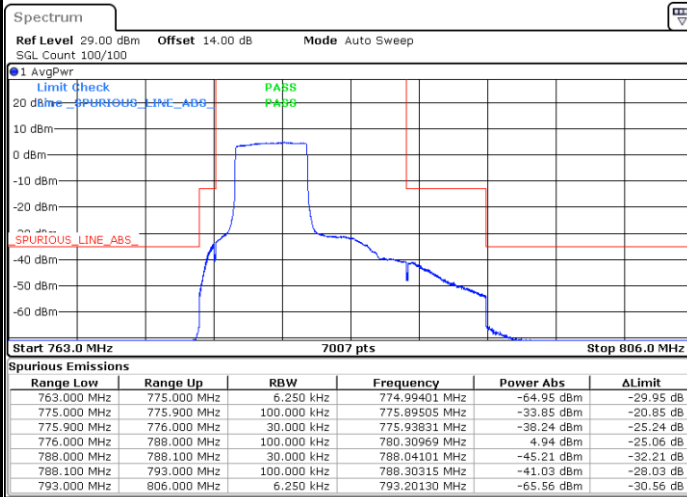


Date: 28.MAR.2022 11:37:14

Date: 28.MAR.2022 11:44:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAR.2022 11:35:22

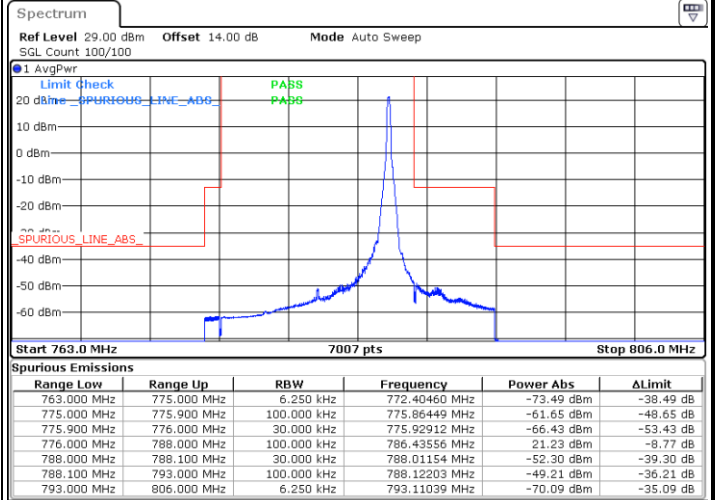
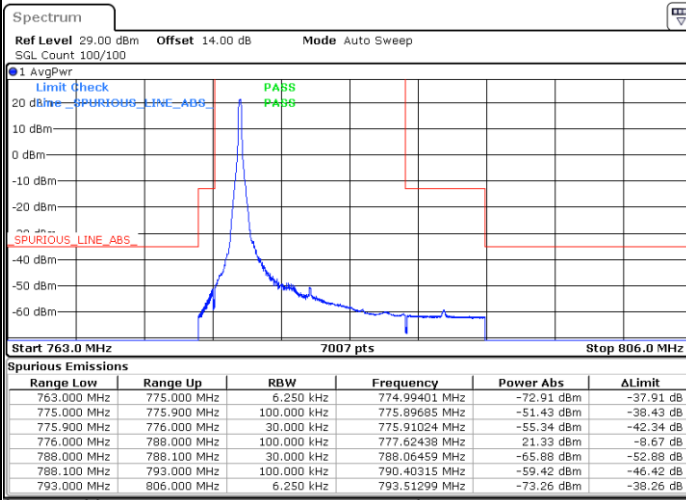
Date: 28.MAR.2022 11:42:31



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

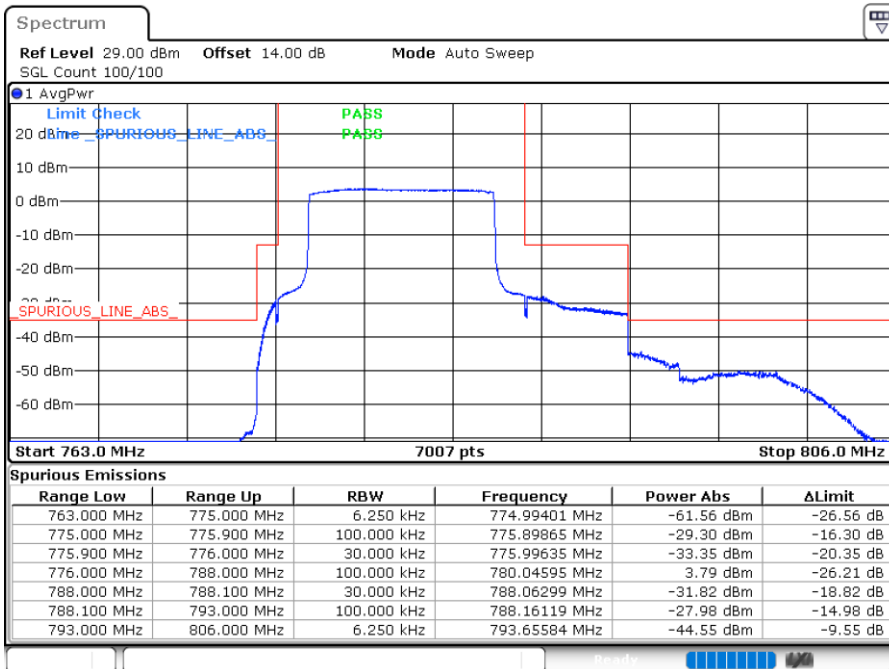
Highest Band Edge / 1 RB



Date: 28.MAR.2022 11:54:25

Date: 28.MAR.2022 11:56:17

Band Edge / Full RB



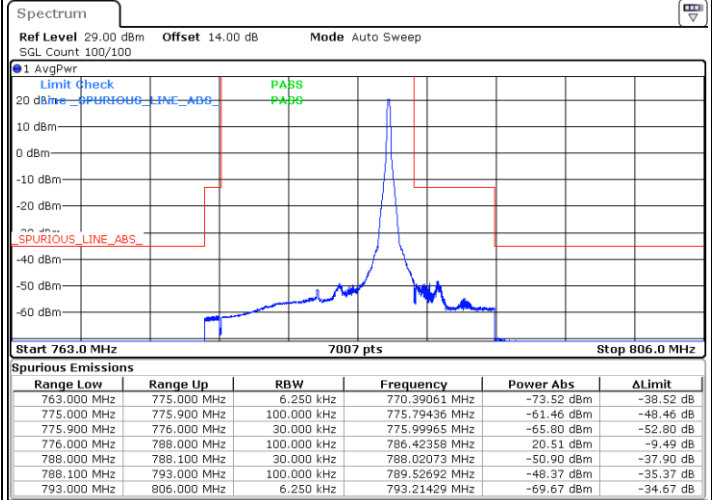
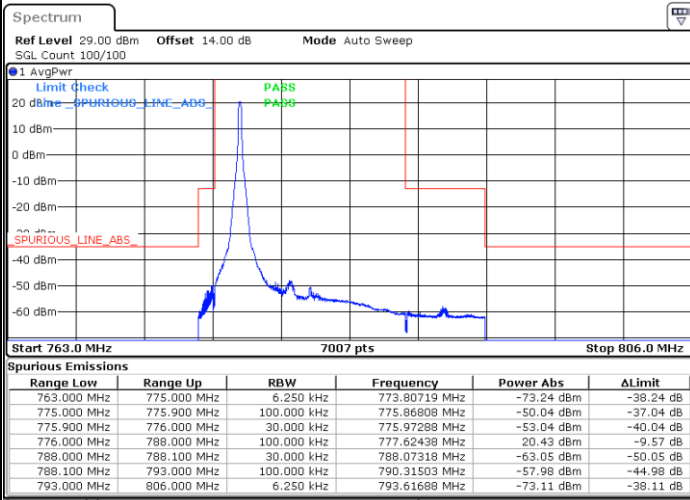
Date: 28.MAR.2022 11:48:49



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

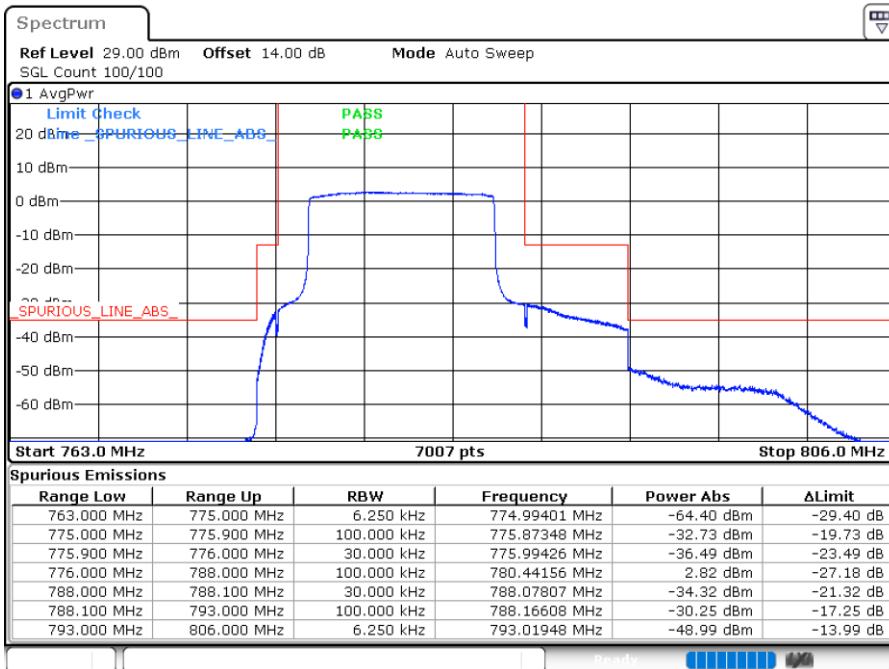
Highest Band Edge / 1 RB



Date: 28.MAR.2022 11:52:33

Date: 28.MAR.2022 11:58:09

Band Edge / Full RB

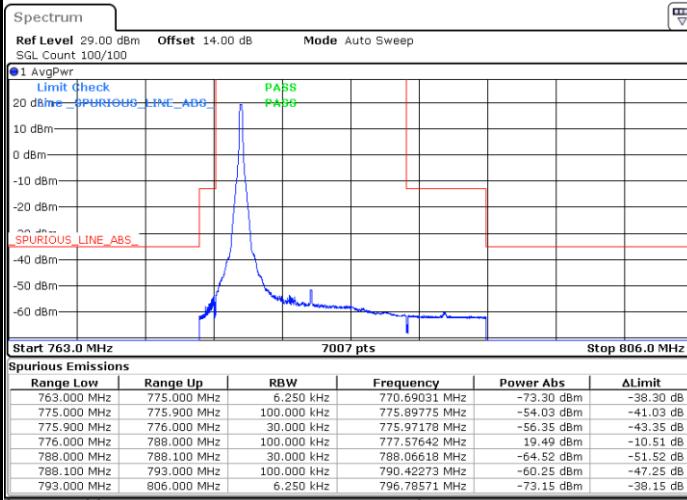


Date: 28.MAR.2022 11:50:41



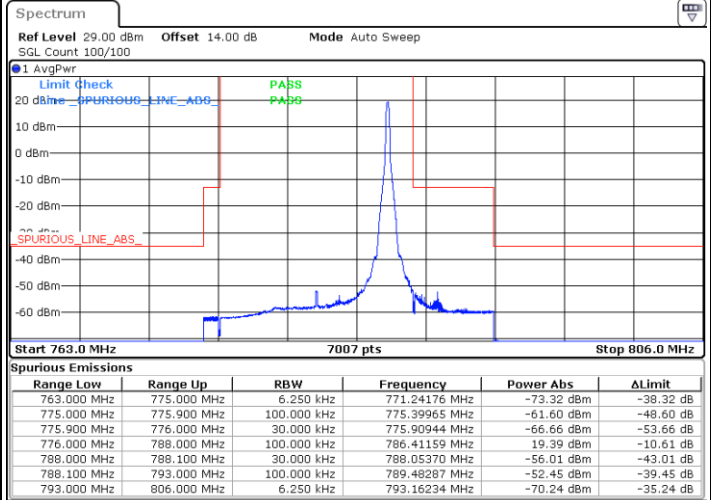
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



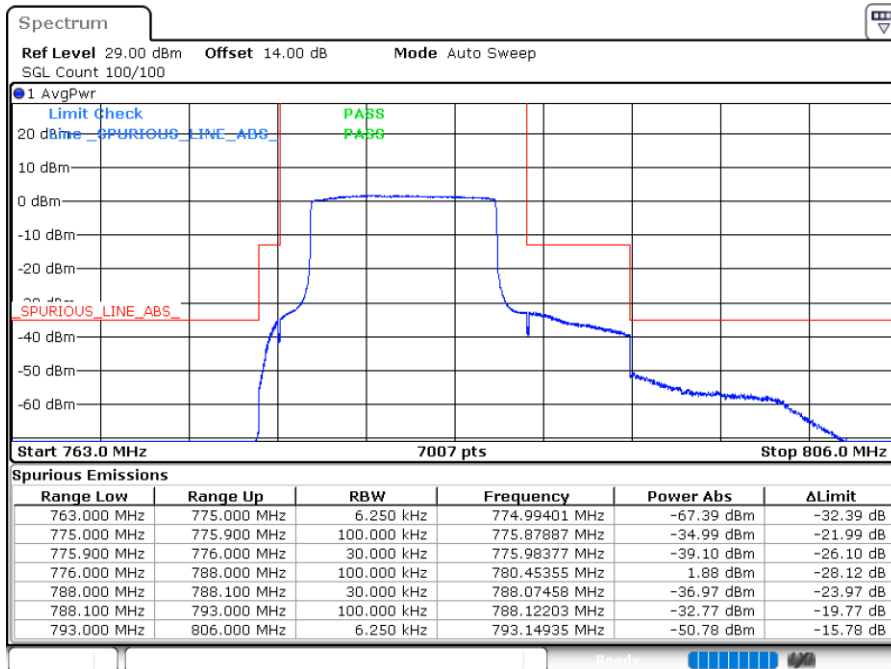
Date: 28.MAR.2022 12:04:47

Highest Band Edge / 1 RB



Date: 28.MAR.2022 12:06:39

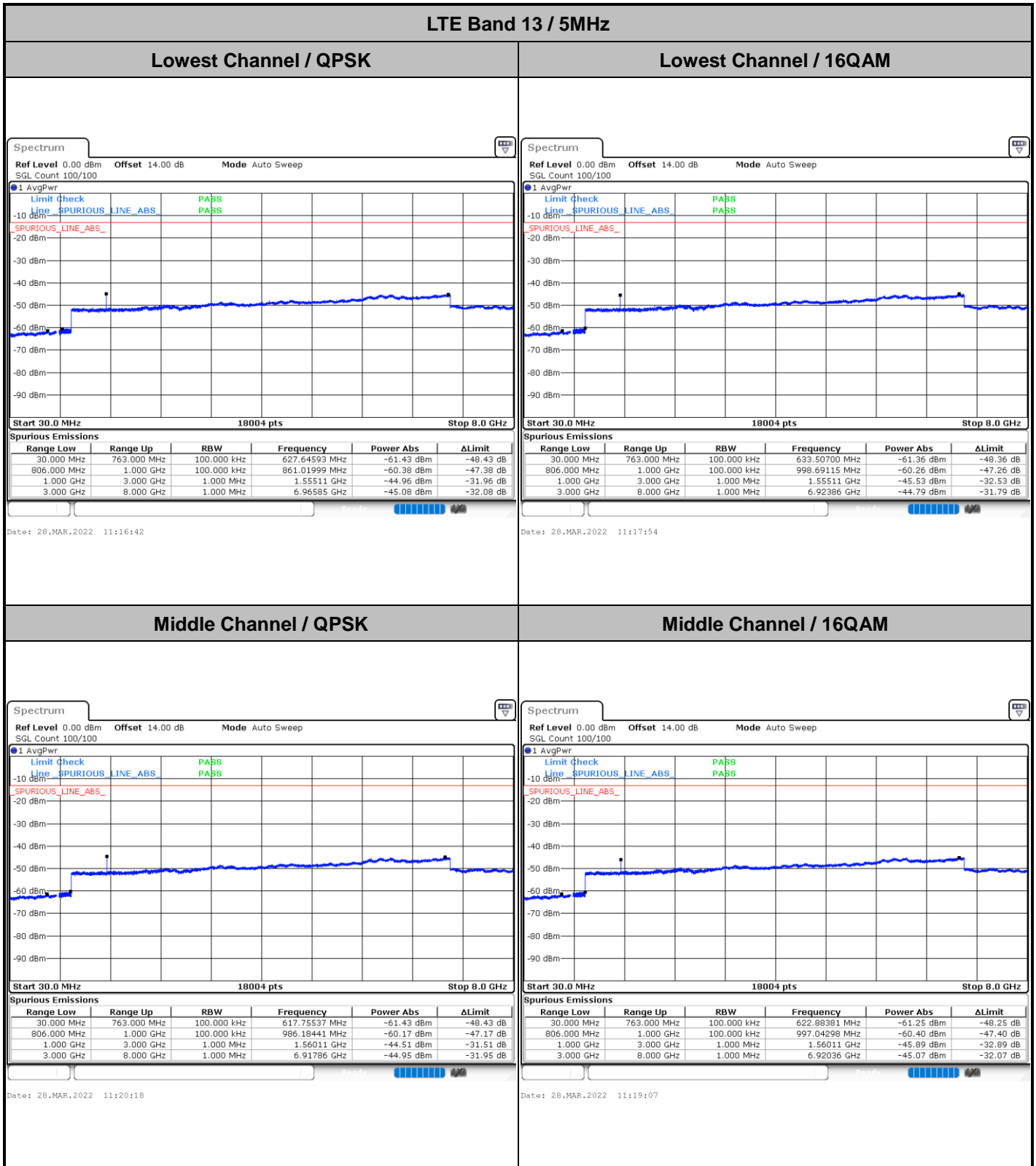
Band Edge / Full RB



Date: 28.MAR.2022 12:02:55



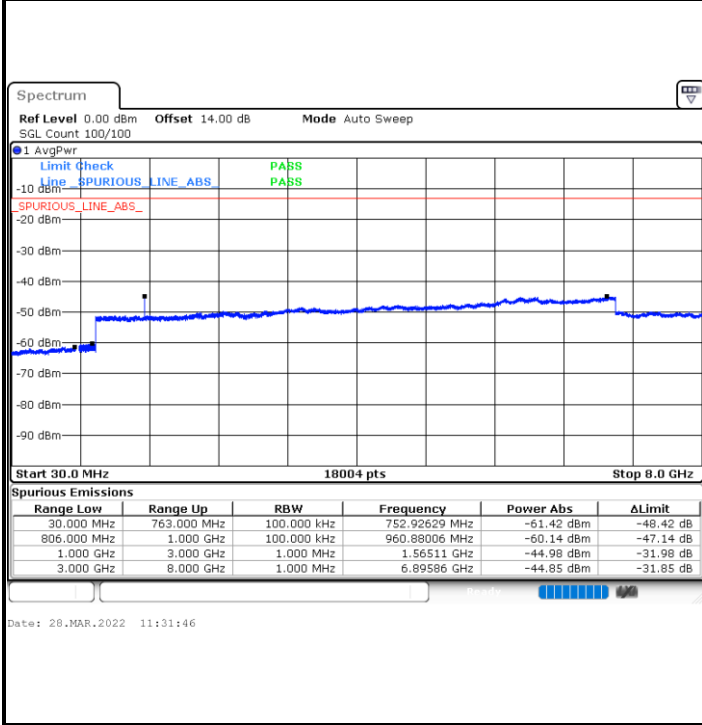
# Conducted Spurious Emission



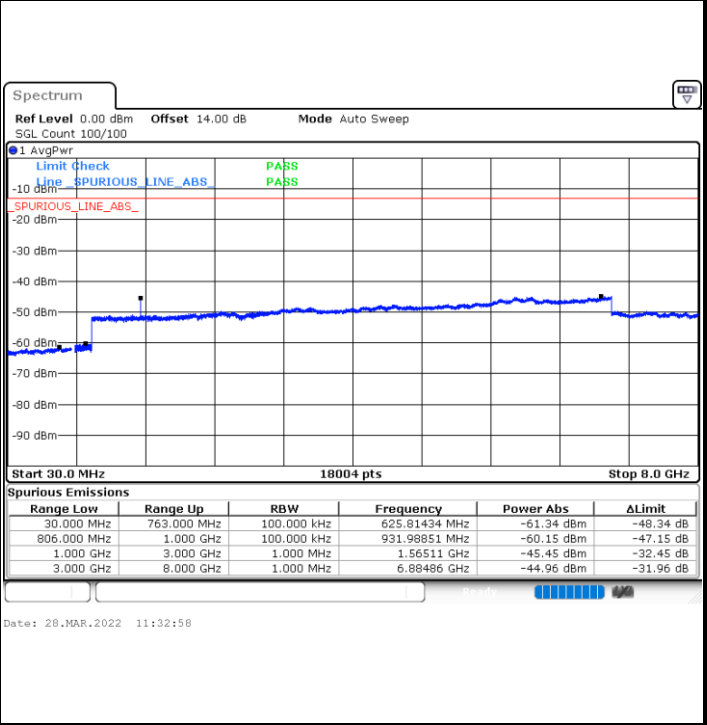


LTE Band 13 / 5MHz

Highest Channel / QPSK

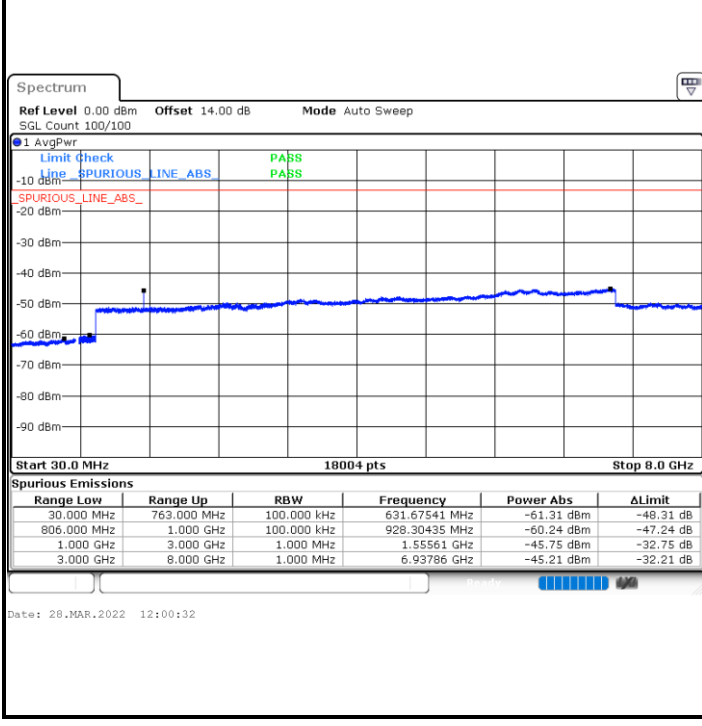


Highest Channel / 16QAM

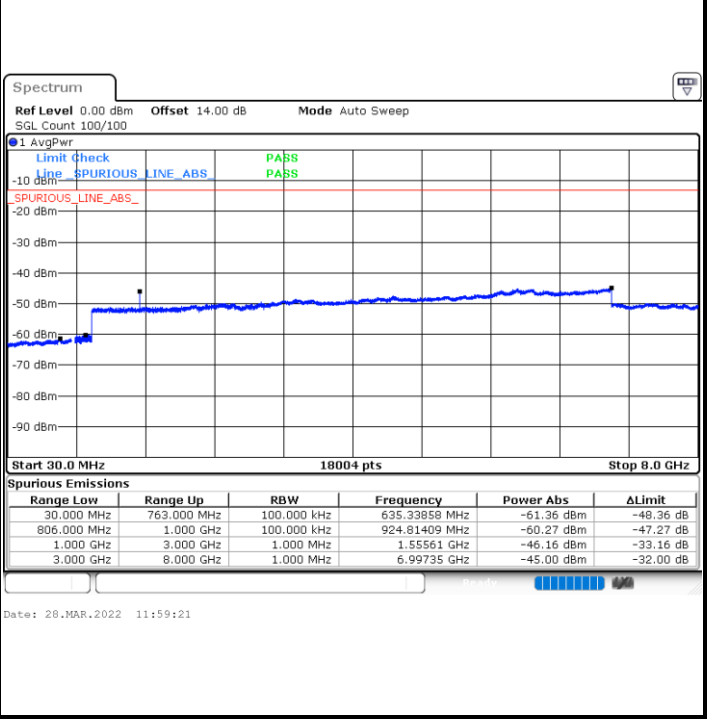


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

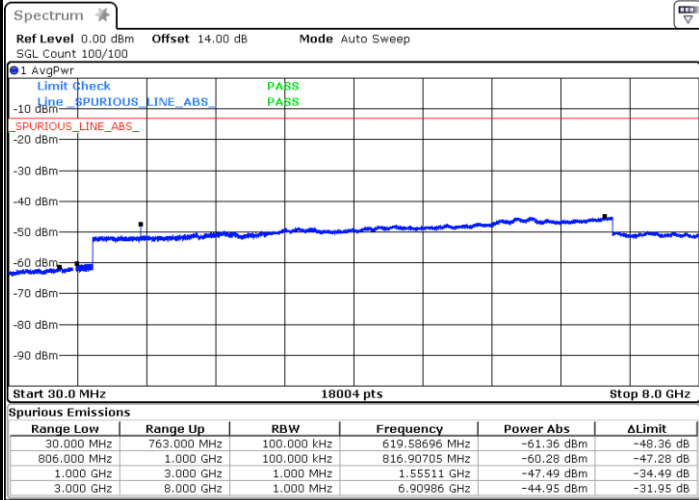




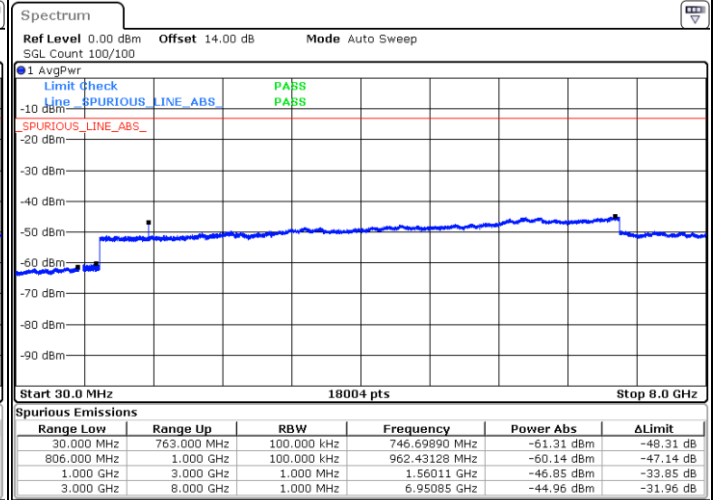
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

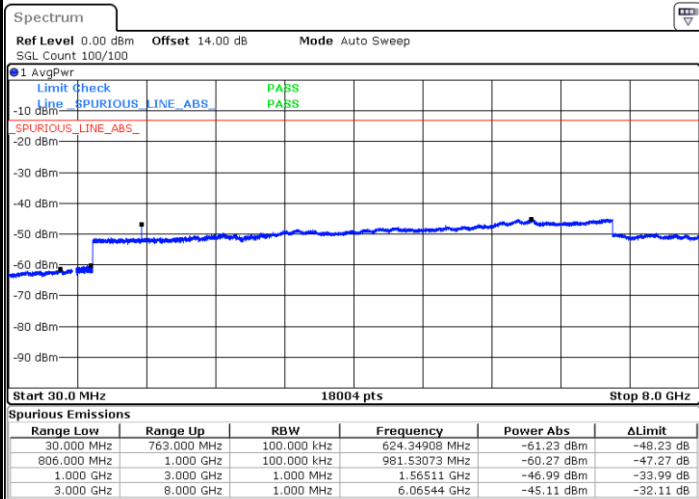


Date: 28.MAR.2022 11:38:17



Date: 28.MAR.2022 11:39:29

Highest Channel / 64QAM



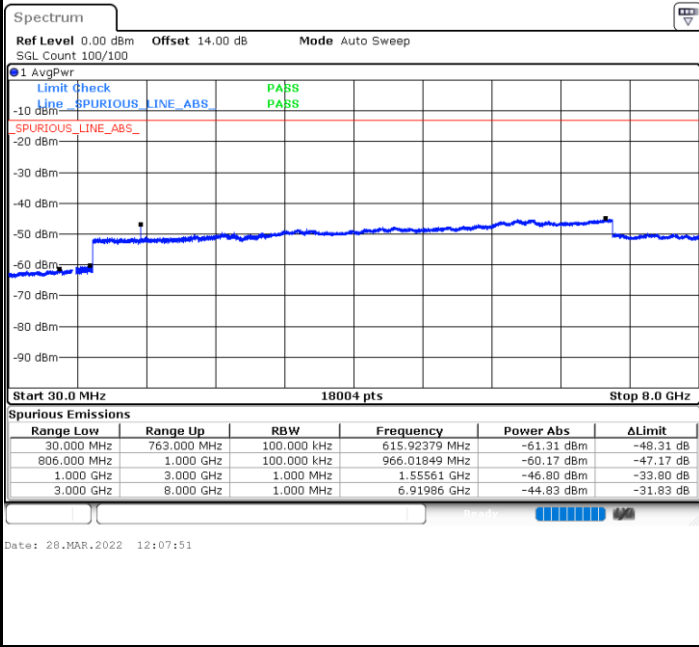
Date: 28.MAR.2022 11:45:38





LTE Band 13 / 10MHz

Middle Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =7.78 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

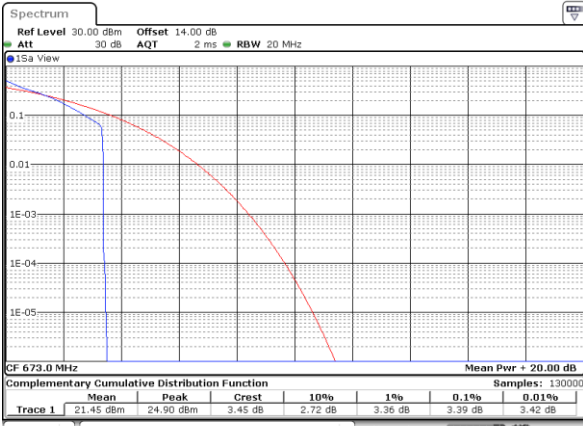
## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.39	4.84	4.14	5.86	PASS
Middle CH	3.51	4.67	4.23	5.74	
Highest CH	3.68	4.43	4.32	5.65	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.35	-	-	PASS
Middle CH	5.19	6.35	-	-	
Highest CH	5.30	6.23	-	-	



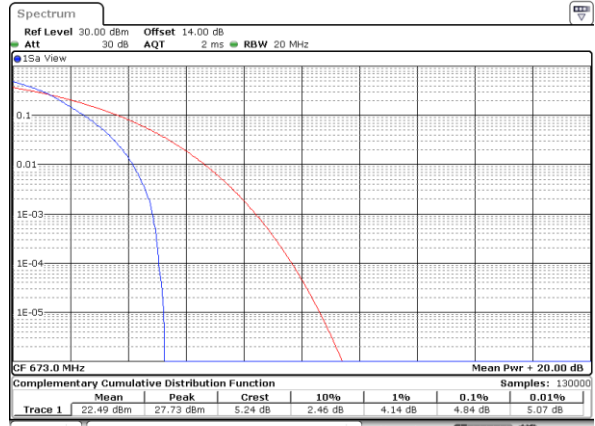
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



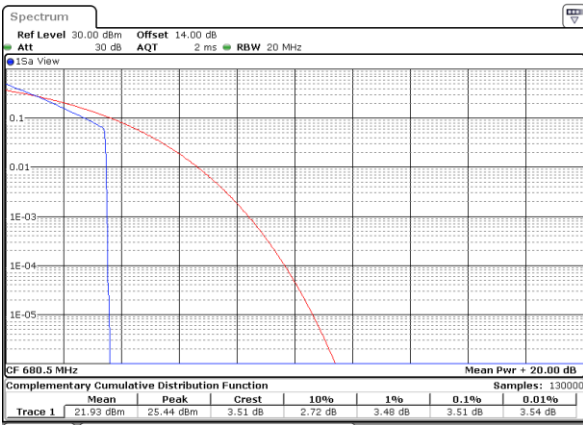
Date: 28.MAR.2022 17:36:09

Lowest Channel / Full RB



Date: 28.MAR.2022 17:36:35

Middle Channel / 1RB



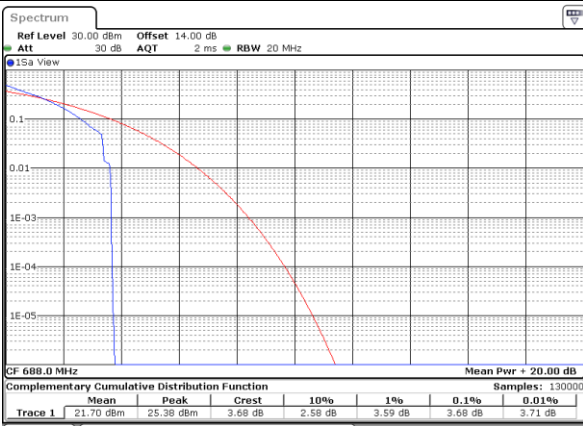
Date: 28.MAR.2022 17:37:00

Middle Channel / Full RB



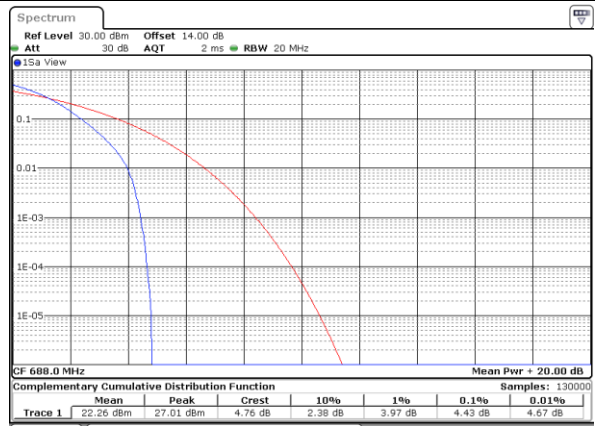
Date: 28.MAR.2022 17:37:25

Highest Channel / 1RB



Date: 28.MAR.2022 17:37:51

Highest Channel / Full RB

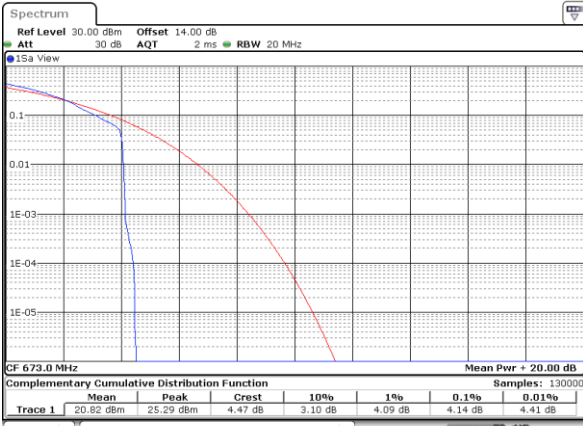


Date: 28.MAR.2022 17:38:17



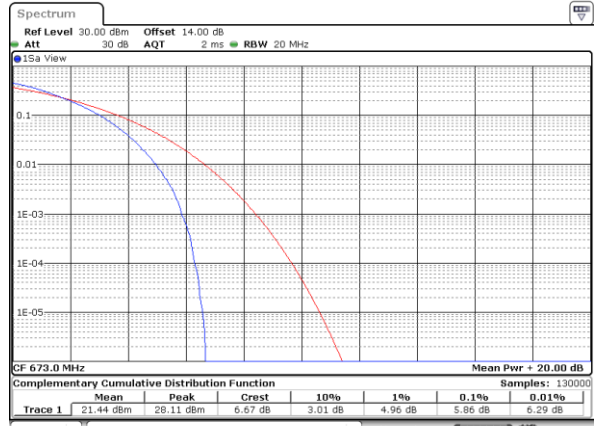
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



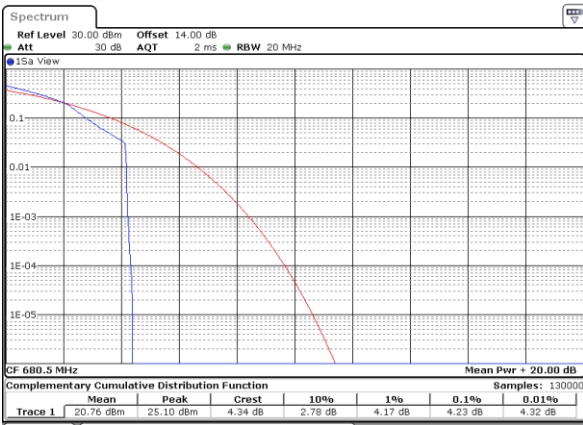
Date: 28\_MAR.2022 17:33:36

Lowest Channel / Full RB



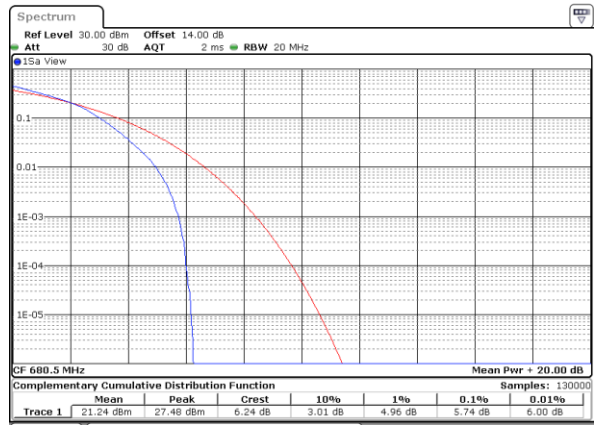
Date: 28\_MAR.2022 17:34:02

Middle Channel / 1RB



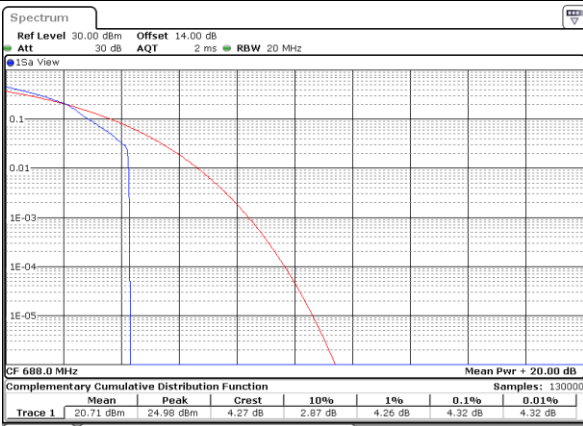
Date: 28\_MAR.2022 17:34:27

Middle Channel / Full RB



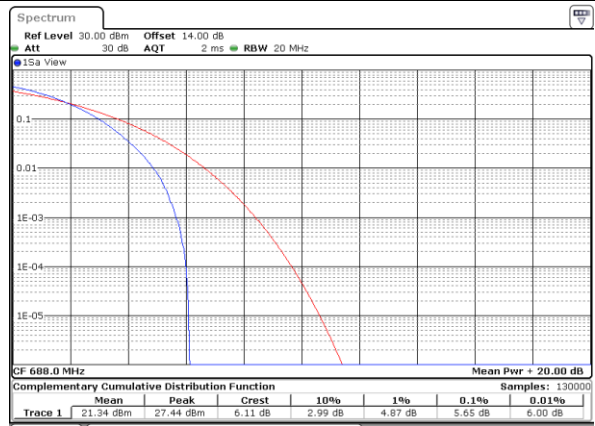
Date: 28\_MAR.2022 17:34:52

Highest Channel / 1RB



Date: 28\_MAR.2022 17:35:18

Highest Channel / Full RB

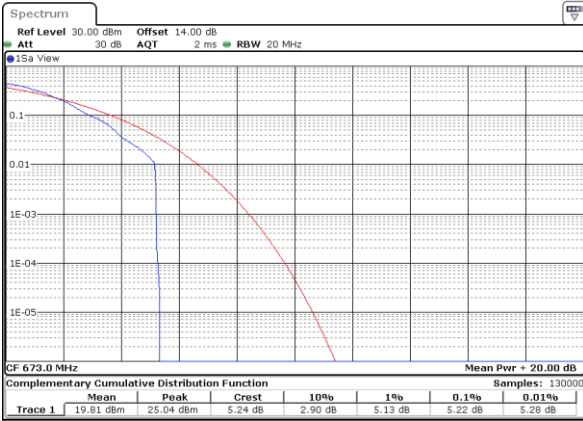


Date: 28\_MAR.2022 17:35:44



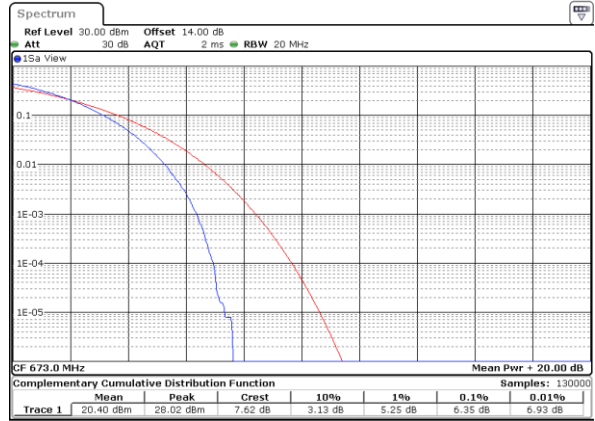
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



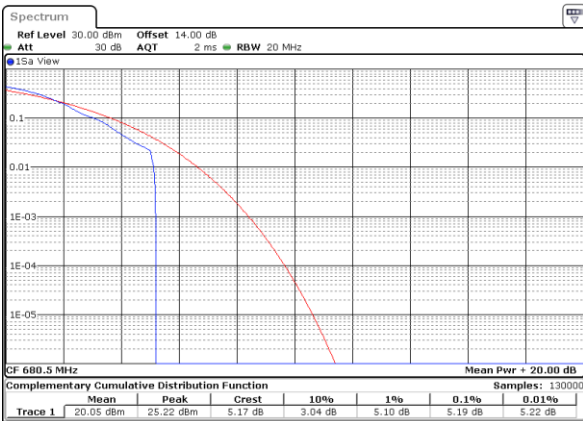
Date: 28.MAR.2022 17:38:43

Lowest Channel / Full RB



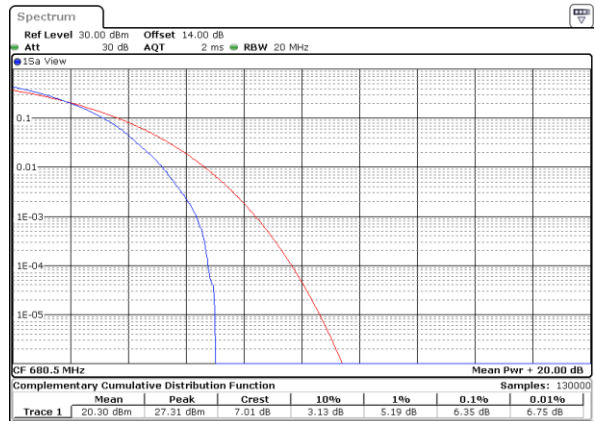
Date: 28.MAR.2022 17:39:09

Middle Channel / 1RB



Date: 28.MAR.2022 17:39:34

Middle Channel / Full RB



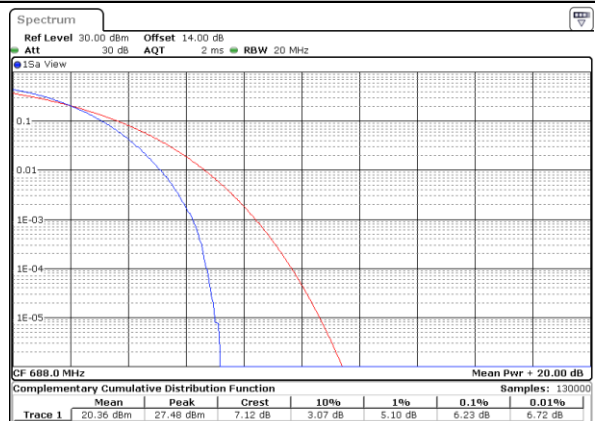
Date: 28.MAR.2022 17:39:59

Highest Channel / 1RB



Date: 28.MAR.2022 17:40:25

Highest Channel / Full RB



Date: 28.MAR.2022 17:40:50



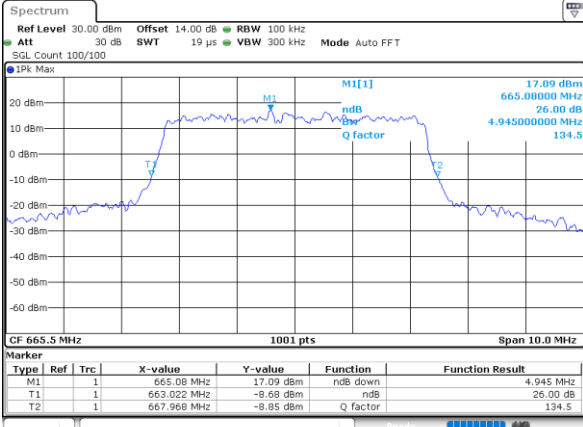
**26dB Bandwidth**

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	-	-	-	-	4.95	5.09	10.17	10.03	14.54	14.69	18.94	18.78
Middle CH	-	-	-	-	5.07	4.90	9.89	9.79	14.51	14.39	19.34	18.74
Highest CH	-	-	-	-	5.07	4.97	9.69	9.71	14.54	14.33	19.22	19.26
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.94	-	9.83	-	14.57	-	19.30	-
Middle CH	-	-	-	-	5.00	-	10.05	-	14.51	-	19.22	-
Highest CH	-	-	-	-	4.99	-	9.77	-	14.18	-	19.46	-



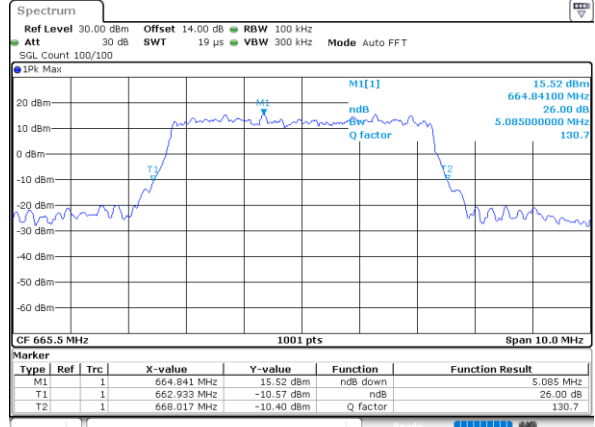
LTE Band 71

Lowest Channel / 5MHz / QPSK



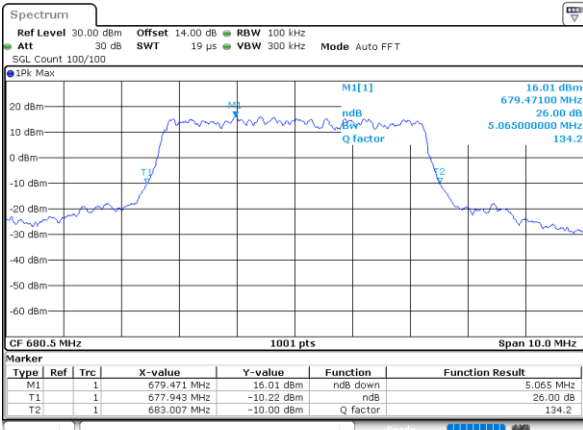
Date: 28\_MAR,2022 15:37:43

Lowest Channel / 5MHz / 16QAM



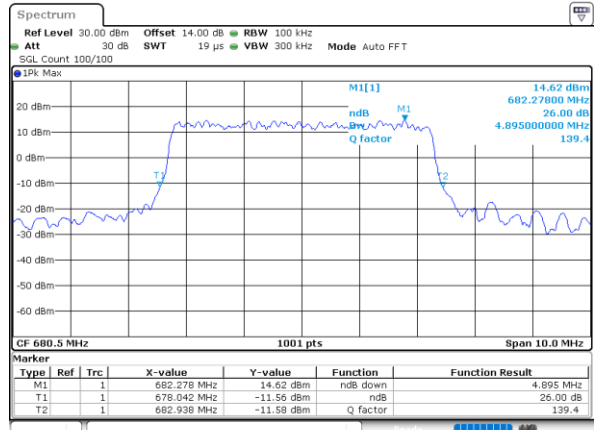
Date: 28\_MAR,2022 15:38:07

Middle Channel / 5MHz / QPSK



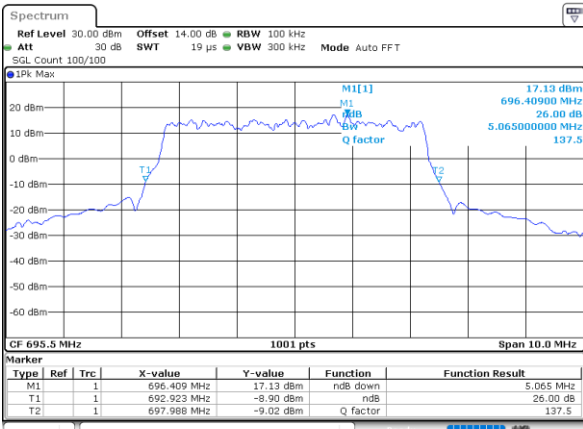
Date: 28\_MAR,2022 15:48:50

Middle Channel / 5MHz / 16QAM



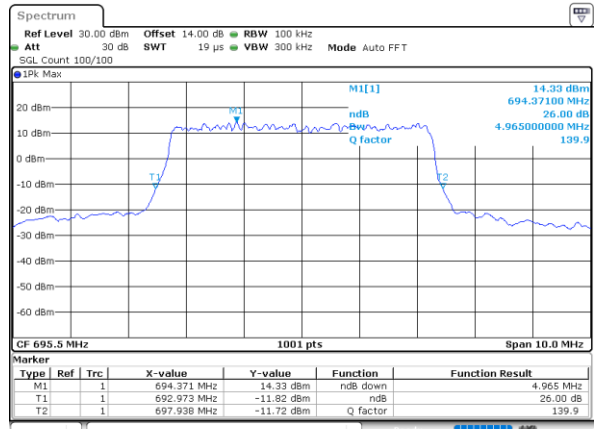
Date: 28\_MAR,2022 15:49:14

Highest Channel / 5MHz / QPSK



Date: 28\_MAR,2022 15:51:59

Highest Channel / 5MHz / 16QAM



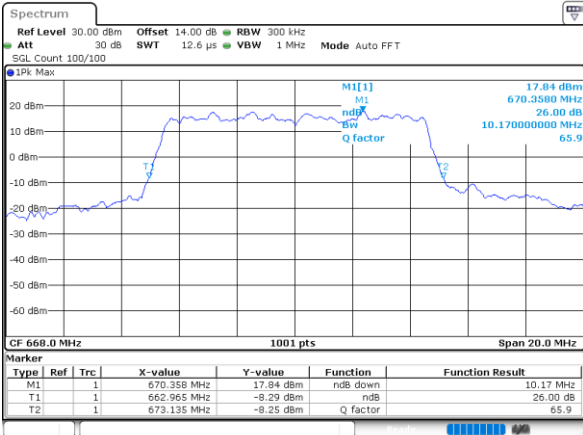
Date: 28\_MAR,2022 15:52:23





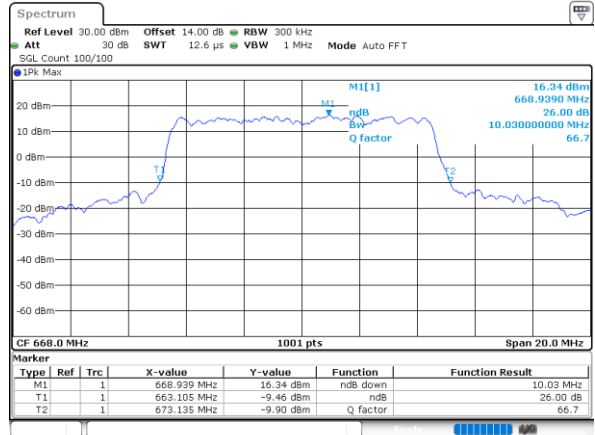
LTE Band 71

Lowest Channel / 10MHz / QPSK



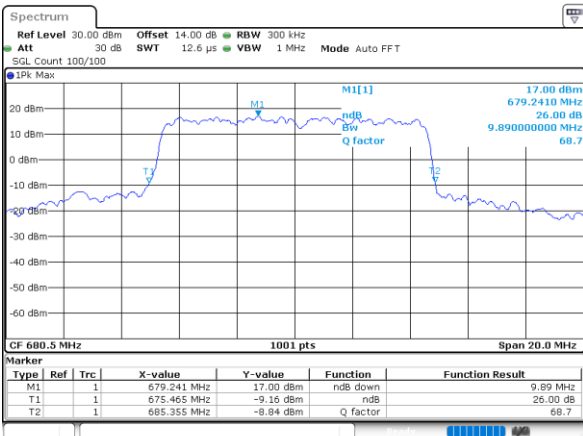
Date: 28\_MAR,2022 16:09:12

Lowest Channel / 10MHz / 16QAM



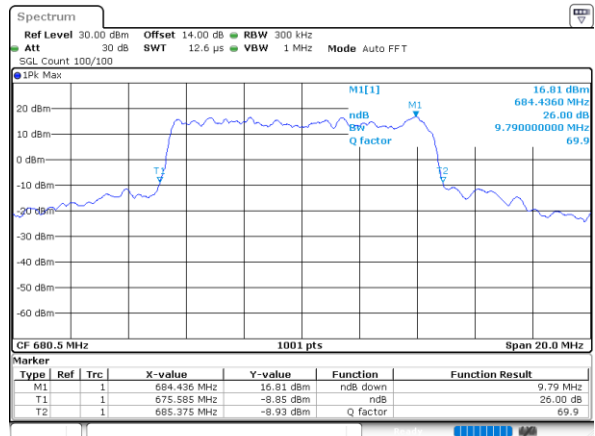
Date: 28\_MAR,2022 16:09:37

Middle Channel / 10MHz / QPSK



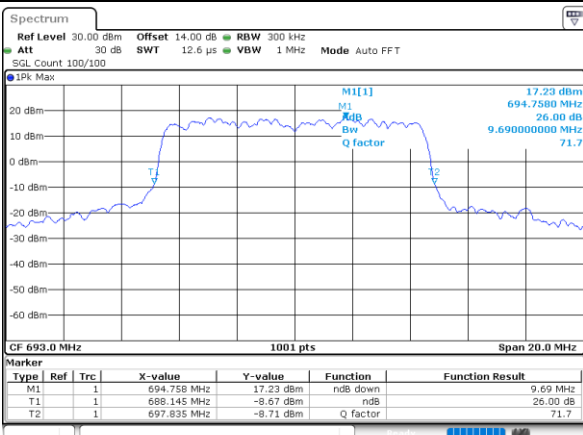
Date: 28\_MAR,2022 16:17:13

Middle Channel / 10MHz / 16QAM



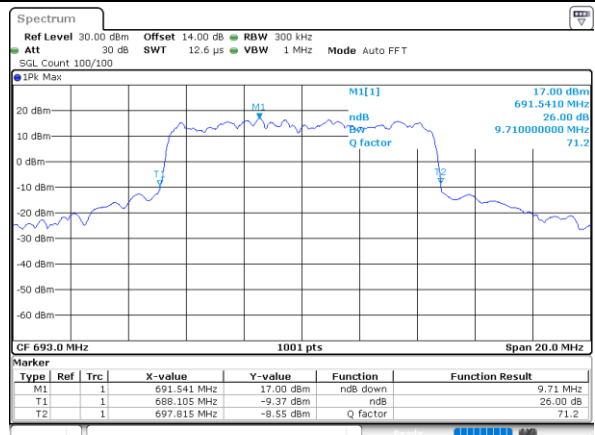
Date: 28\_MAR,2022 16:17:37

Highest Channel / 10MHz / QPSK



Date: 28\_MAR,2022 16:20:22

Highest Channel / 10MHz / 16QAM

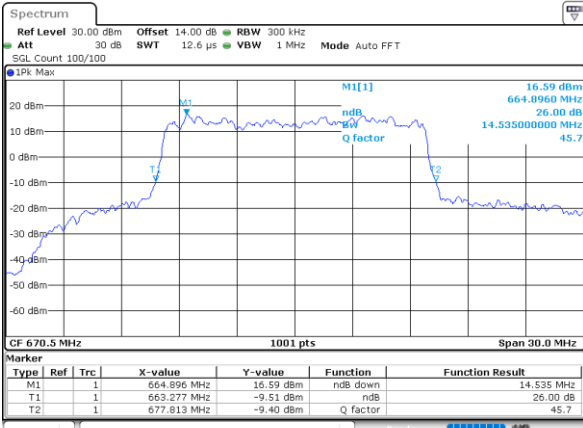


Date: 28\_MAR,2022 16:20:47



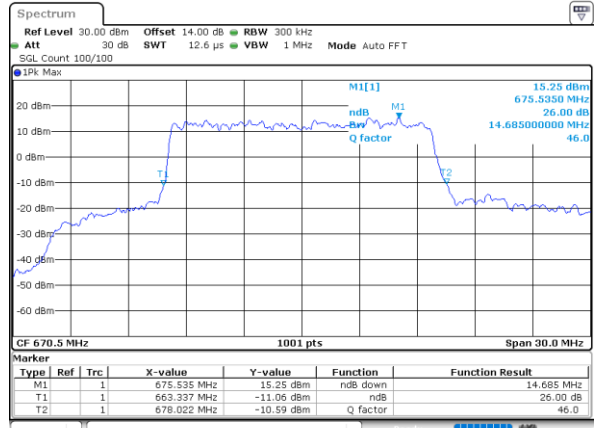
LTE Band 71

Lowest Channel / 15MHz / QPSK



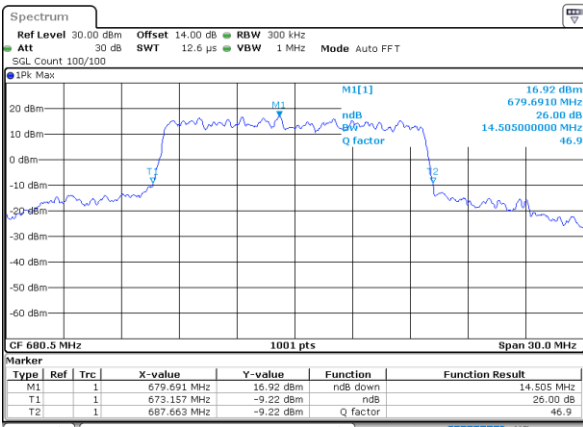
Date: 28\_MAR\_2022 16:37:16

Lowest Channel / 15MHz / 16QAM



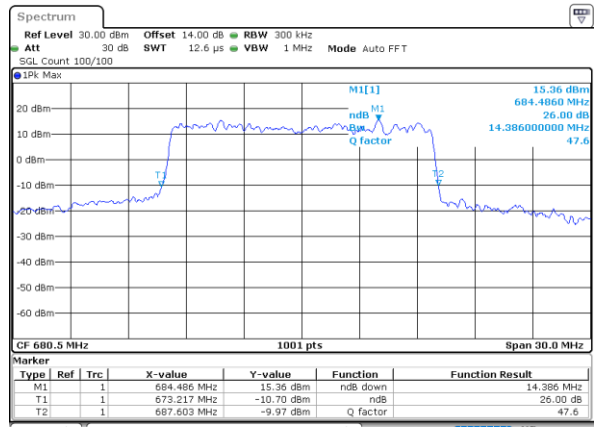
Date: 28\_MAR\_2022 16:38:00

Middle Channel / 15MHz / QPSK



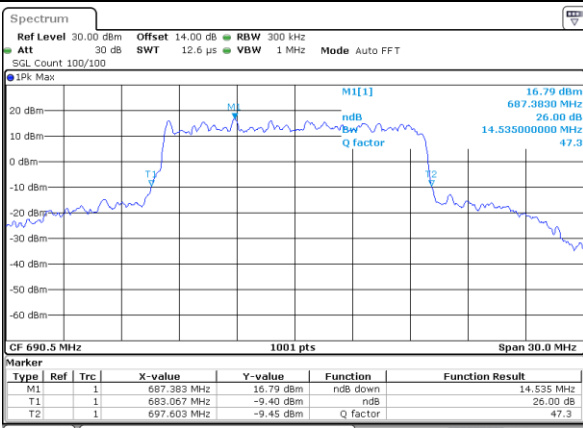
Date: 28\_MAR\_2022 16:45:37

Middle Channel / 15MHz / 16QAM



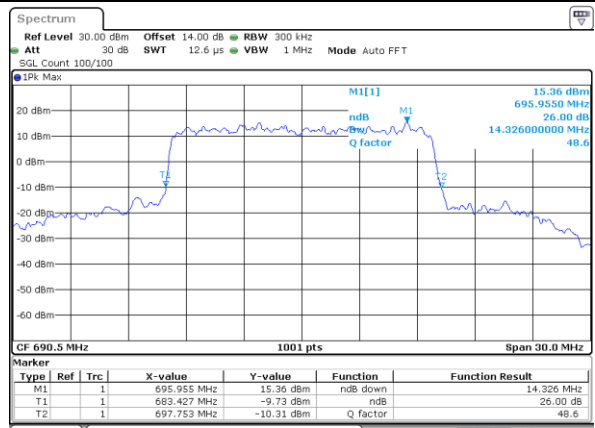
Date: 28\_MAR\_2022 16:46:01

Highest Channel / 15MHz / QPSK



Date: 28\_MAR\_2022 16:48:46

Highest Channel / 15MHz / 16QAM

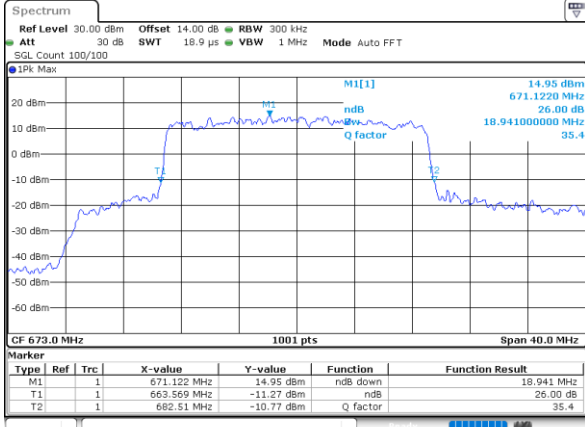


Date: 28\_MAR\_2022 16:49:10



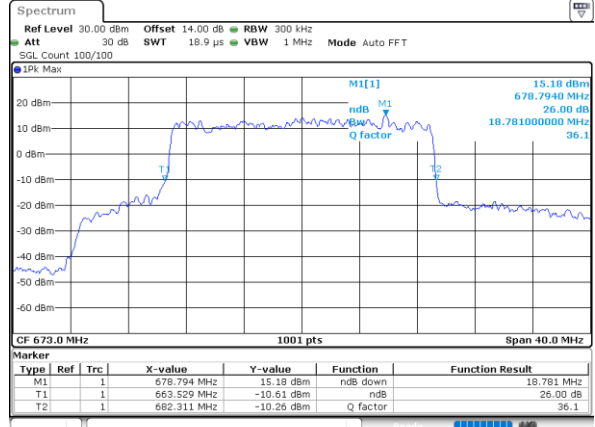
LTE Band 71

Lowest Channel / 20MHz / QPSK



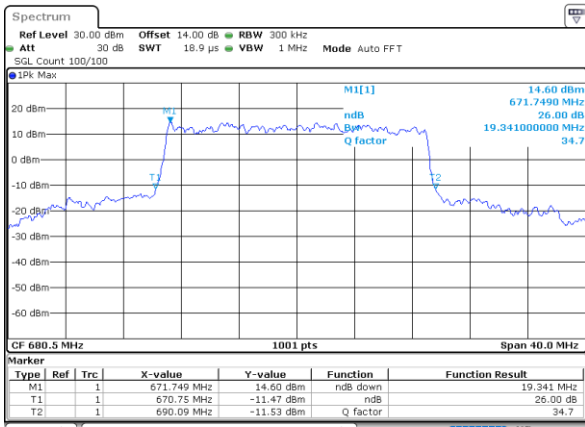
Date: 28\_MAR.2022 17:06:00

Lowest Channel / 20MHz / 16QAM



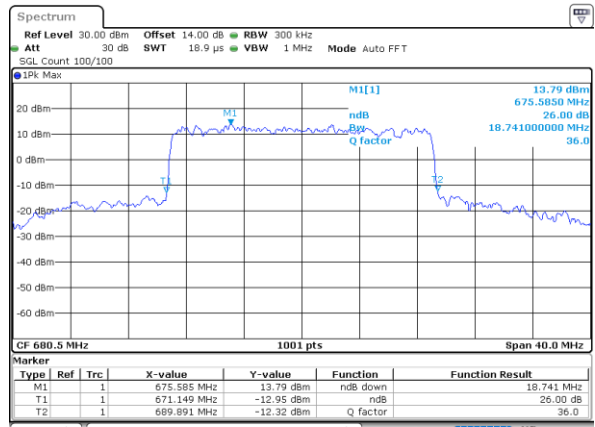
Date: 28\_MAR.2022 17:06:25

Middle Channel / 20MHz / QPSK



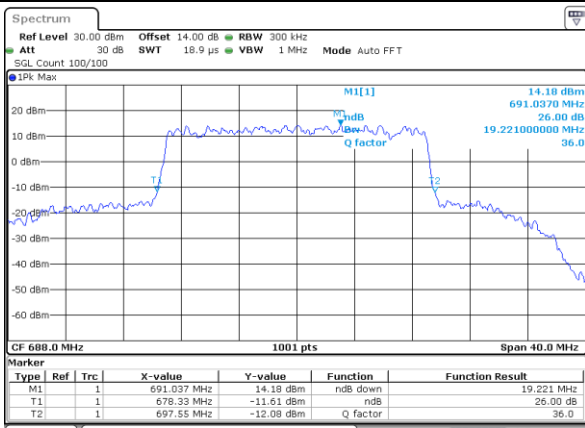
Date: 28\_MAR.2022 17:14:02

Middle Channel / 20MHz / 16QAM



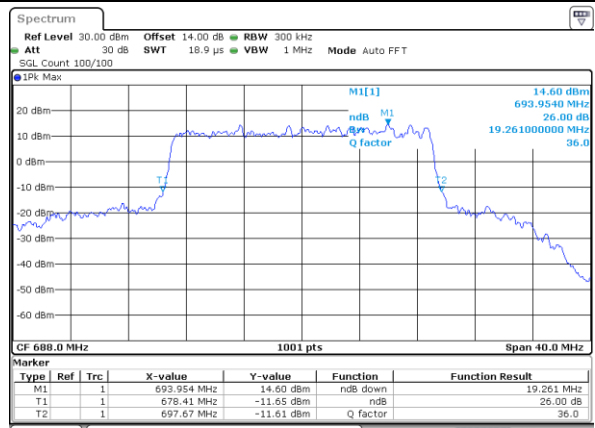
Date: 28\_MAR.2022 17:14:26

Highest Channel / 20MHz / QPSK



Date: 28\_MAR.2022 17:17:11

Highest Channel / 20MHz / 16QAM

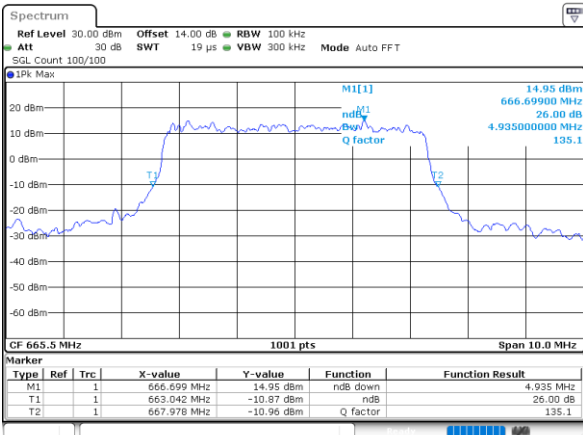


Date: 28\_MAR.2022 17:17:35



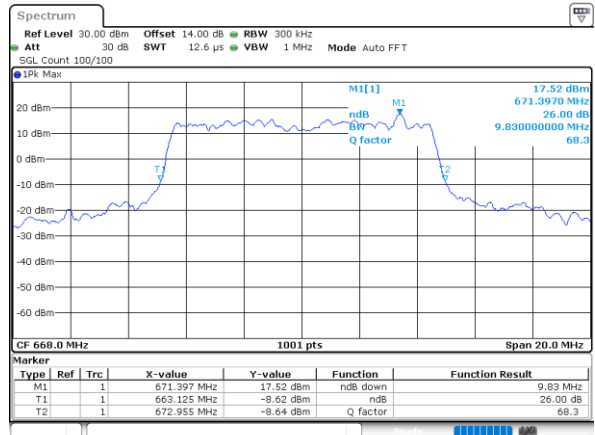
LTE Band 71

Lowest Channel / 5MHz / 64QAM



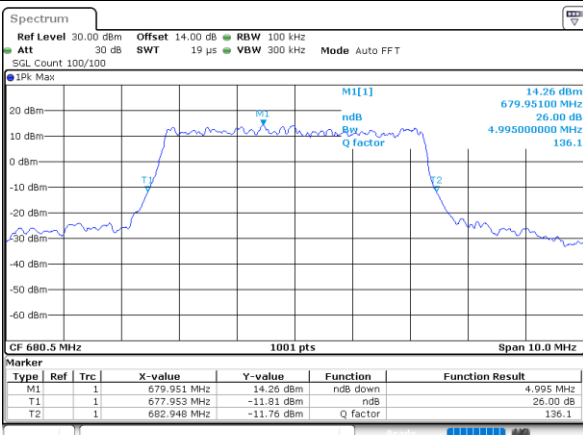
Date: 28\_MAR\_2022 15:59:29

Lowest Channel / 10MHz / 64QAM



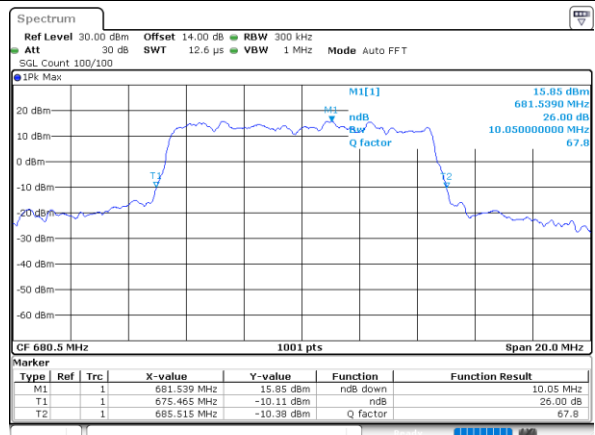
Date: 28\_MAR\_2022 16:27:52

Middle Channel / 5MHz / 64QAM



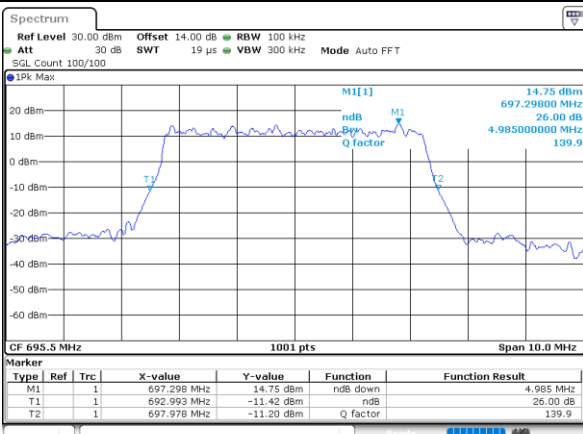
Date: 28\_MAR\_2022 16:03:21

Middle Channel / 10MHz / 64QAM



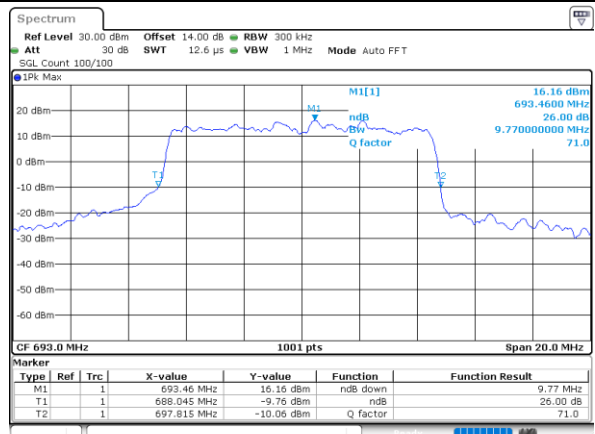
Date: 28\_MAR\_2022 16:31:44

Highest Channel / 5MHz / 64QAM



Date: 28\_MAR\_2022 16:04:46

Highest Channel / 10MHz / 64QAM

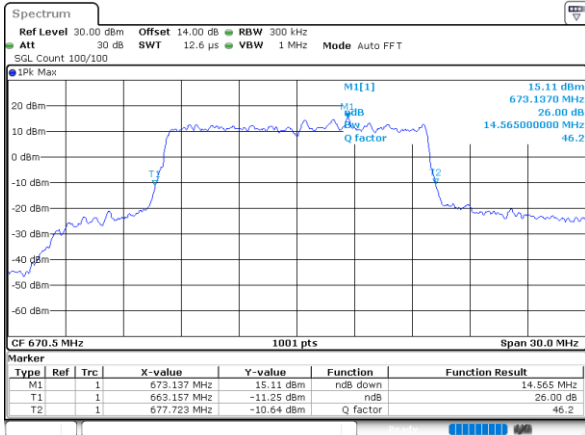


Date: 28\_MAR\_2022 16:33:09



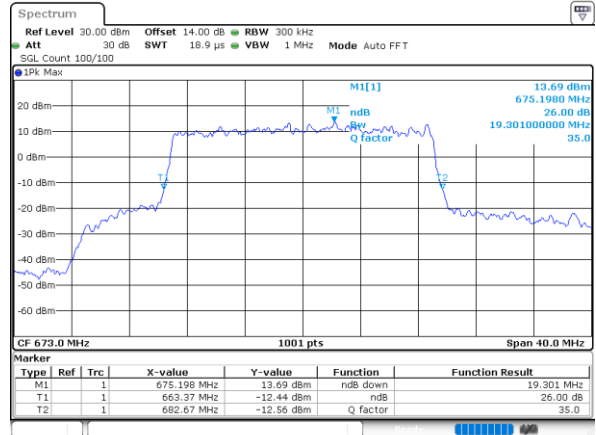
LTE Band 71

Lowest Channel / 15MHz / 64QAM



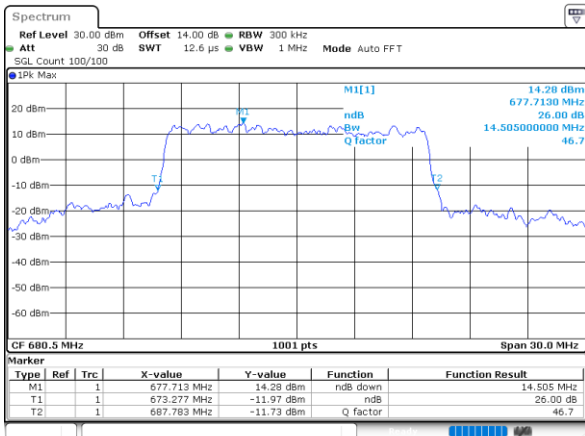
Date: 28\_MAR.2022 16:56:16

Lowest Channel / 20MHz / 64QAM



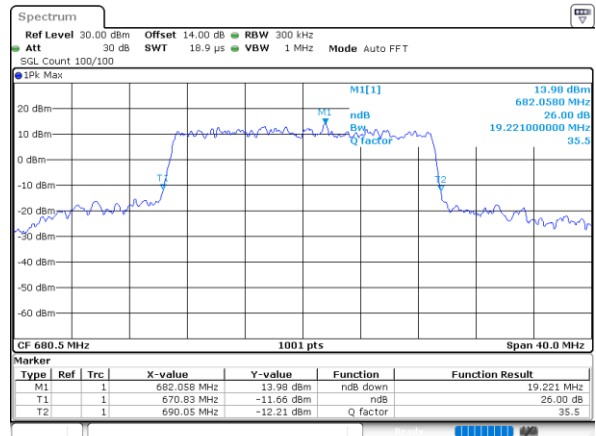
Date: 28\_MAR.2022 17:24:41

Middle Channel / 15MHz / 64QAM



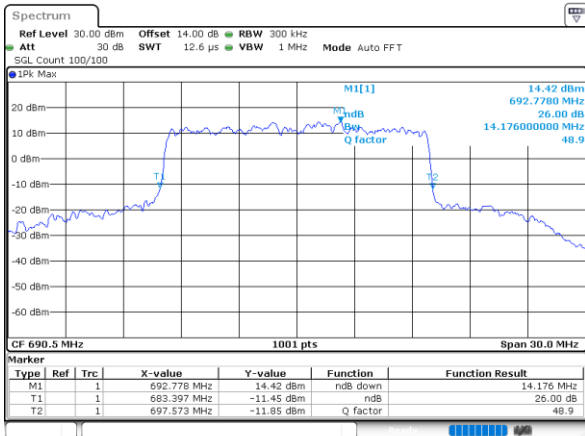
Date: 28\_MAR.2022 17:00:08

Middle Channel / 20MHz / 64QAM



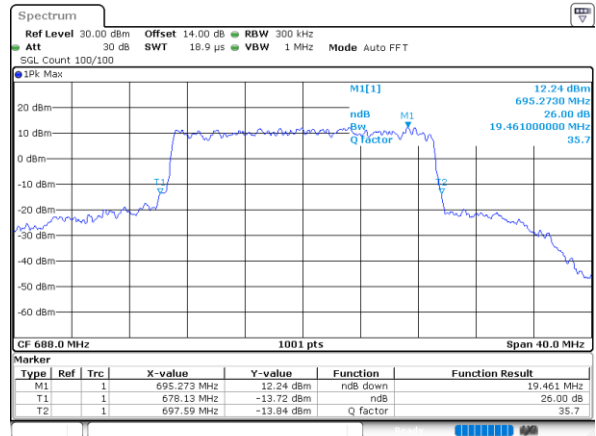
Date: 28\_MAR.2022 17:26:33

Highest Channel / 15MHz / 64QAM



Date: 28\_MAR.2022 17:01:34

Highest Channel / 20MHz / 64QAM



Date: 28\_MAR.2022 17:29:58



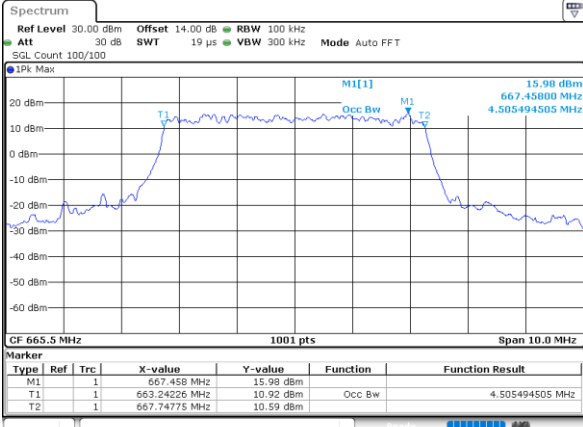
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.48	9.07	9.07	13.43	13.43	17.82	17.86
Middle CH	-	-	-	-	4.50	4.50	9.09	9.03	13.40	13.46	17.98	17.94
Highest CH	-	-	-	-	4.49	4.53	9.03	9.07	13.46	13.37	17.86	17.82
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	-	13.46	-	17.82	-
Middle CH	-	-	-	-	4.49	-	9.03	-	13.52	-	17.90	-
Highest CH	-	-	-	-	4.54	-	9.01	-	13.52	-	17.90	-



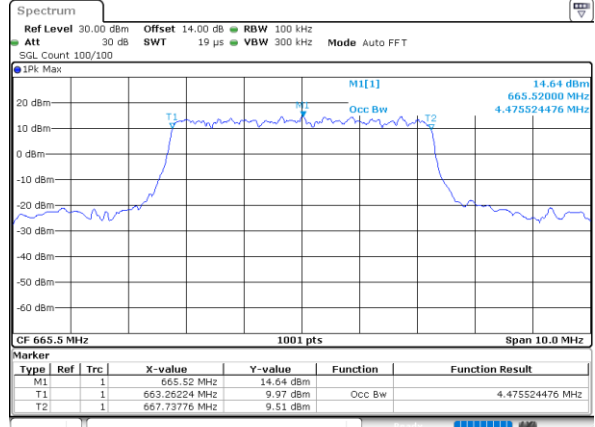
LTE Band 71

Lowest Channel / 5MHz / QPSK



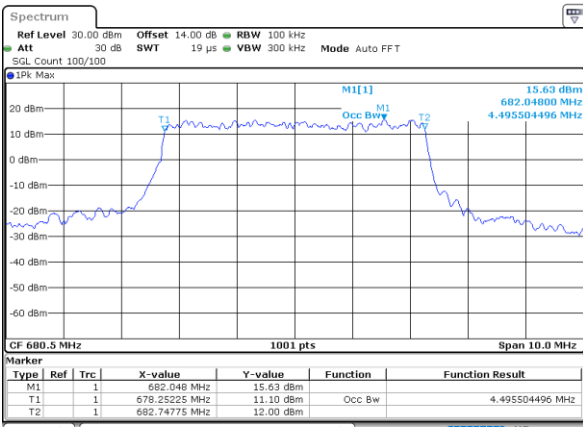
Date: 28\_MAR\_2022 15:36:54

Lowest Channel / 5MHz / 16QAM



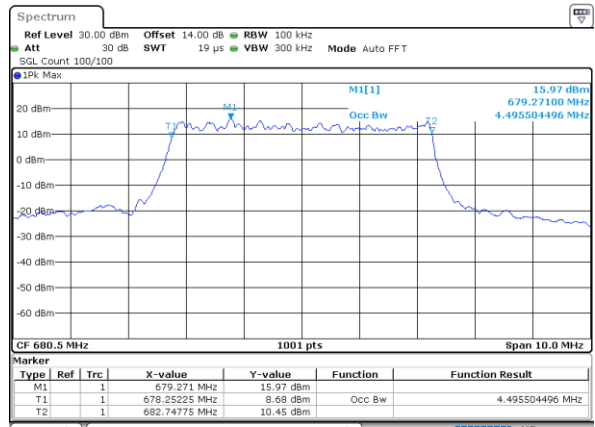
Date: 28\_MAR\_2022 15:37:18

Middle Channel / 5MHz / QPSK



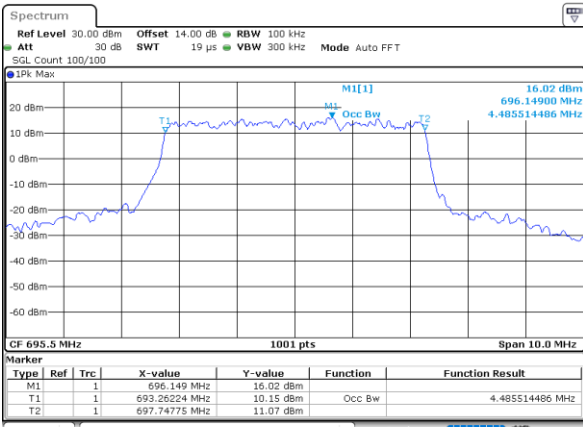
Date: 28\_MAR\_2022 15:48:02

Middle Channel / 5MHz / 16QAM



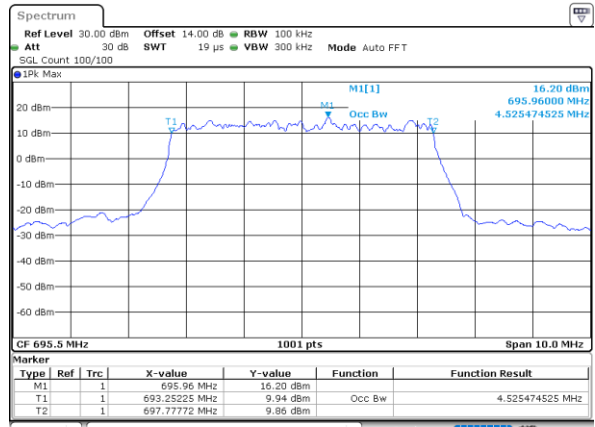
Date: 28\_MAR\_2022 15:48:26

Highest Channel / 5MHz / QPSK



Date: 28\_MAR\_2022 15:51:10

Highest Channel / 5MHz / 16QAM

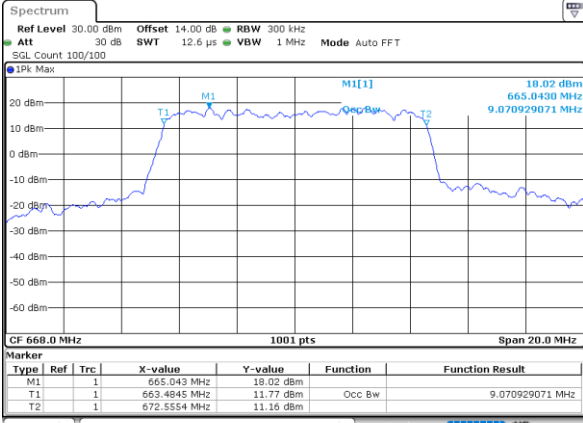


Date: 28\_MAR\_2022 15:51:34



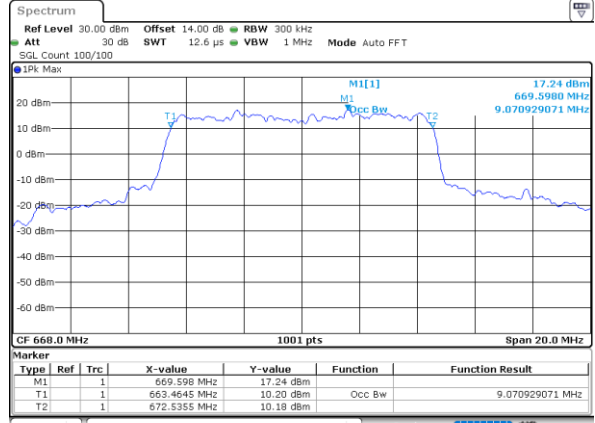
LTE Band 71

Lowest Channel / 10MHz / QPSK



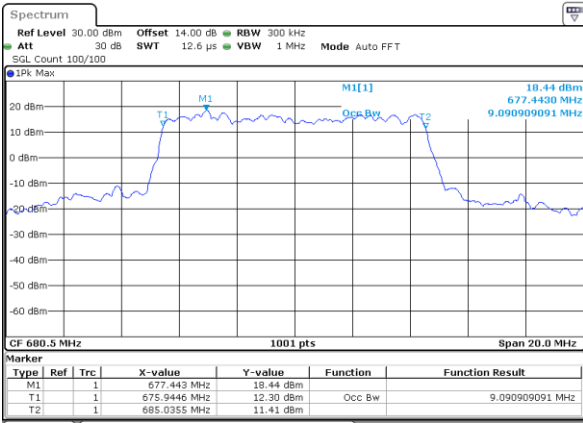
Date: 28\_MAR.2022 16:08:24

Lowest Channel / 10MHz / 16QAM



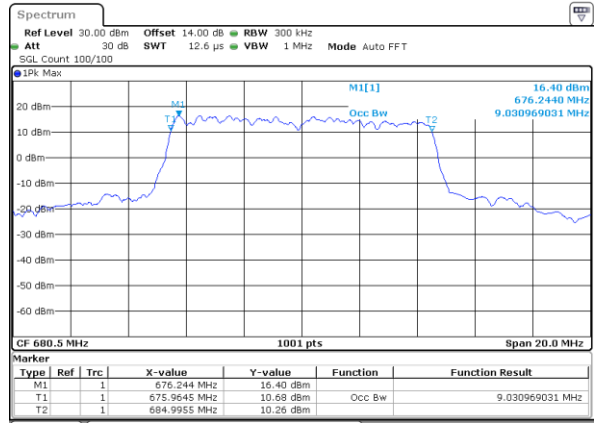
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Middle Channel / 10MHz / QPSK



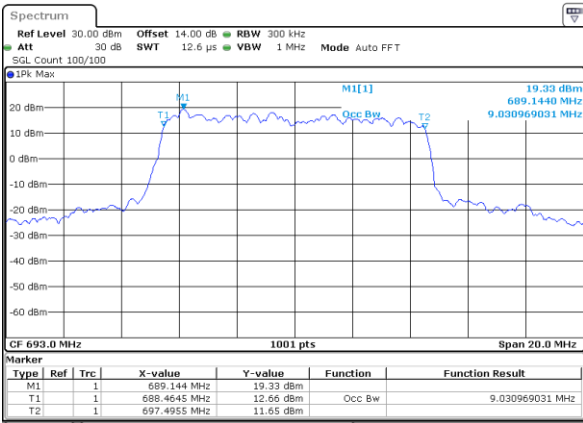
Date: 28\_MAR.2022 16:16:25

Middle Channel / 10MHz / 16QAM



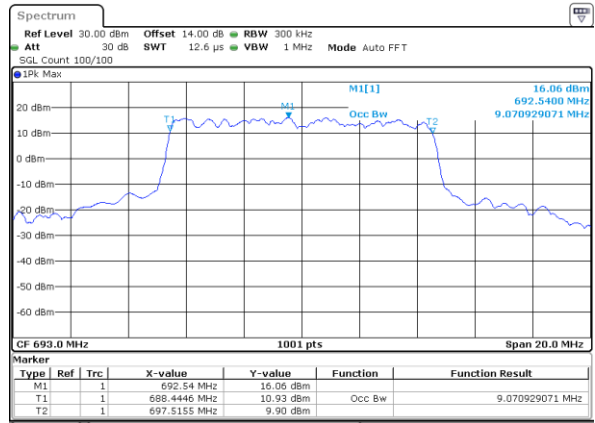
Date: 28\_MAR.2022 16:16:49

Highest Channel / 10MHz / QPSK



Date: 28\_MAR.2022 16:19:34

Highest Channel / 10MHz / 16QAM



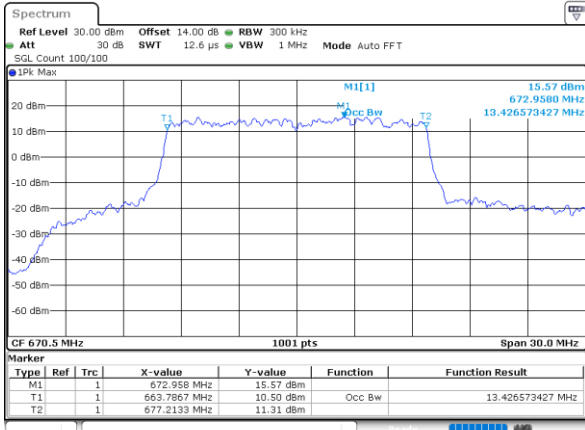
Date: 28\_MAR.2022 16:19:58





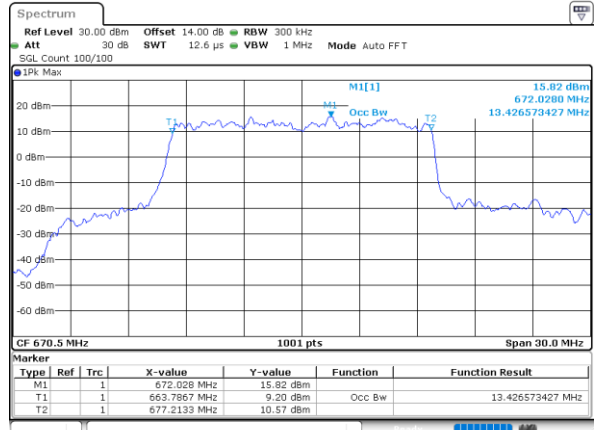
LTE Band 71

Lowest Channel / 15MHz / QPSK



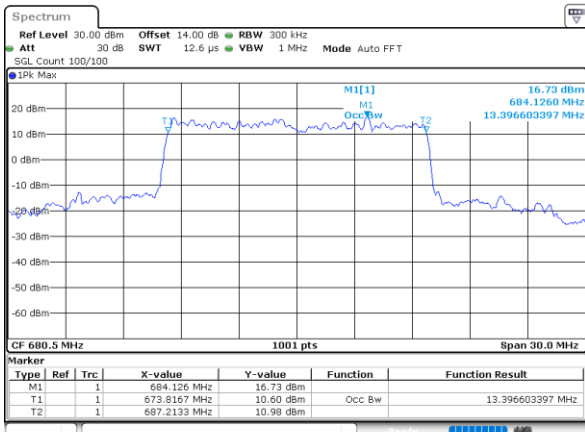
Date: 28\_MAR.2022 16:36:47

Lowest Channel / 15MHz / 16QAM



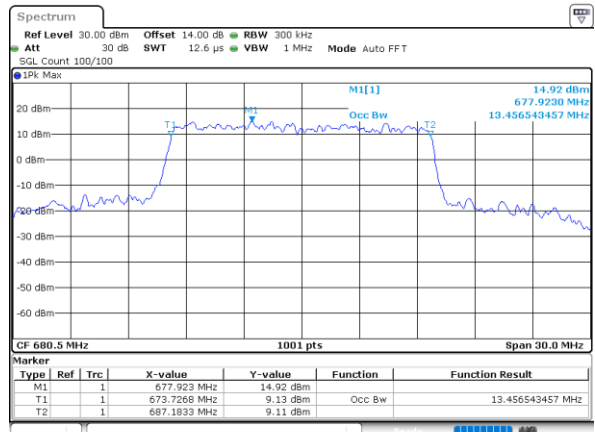
Date: 28\_MAR.2022 16:37:11

Middle Channel / 15MHz / QPSK



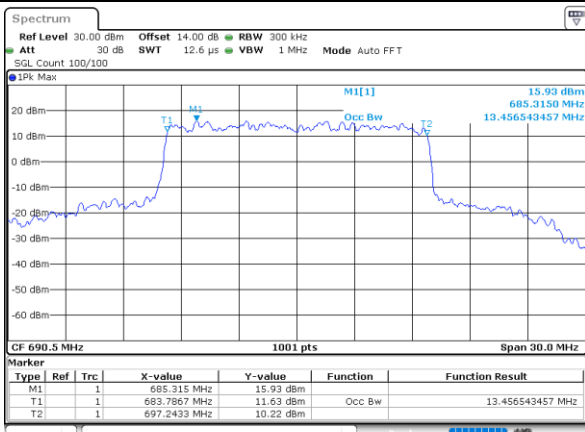
Date: 28\_MAR.2022 16:44:49

Middle Channel / 15MHz / 16QAM



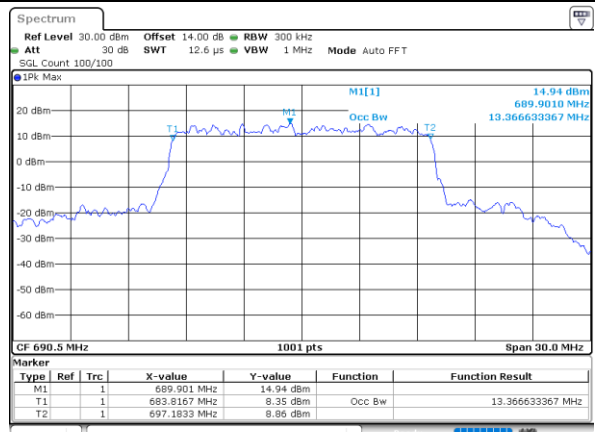
Date: 28\_MAR.2022 16:45:13

Highest Channel / 15MHz / QPSK



Date: 28\_MAR.2022 16:47:57

Highest Channel / 15MHz / 16QAM

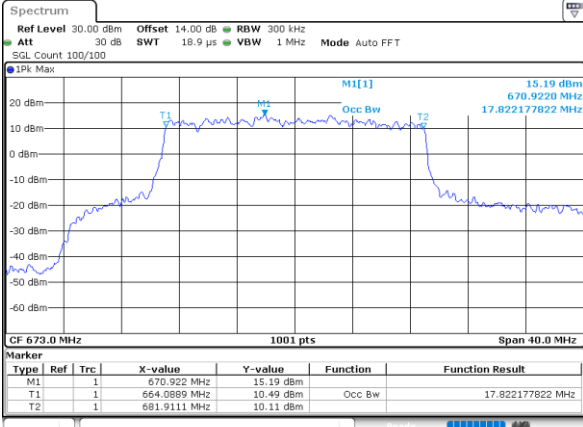


Date: 28\_MAR.2022 16:48:22



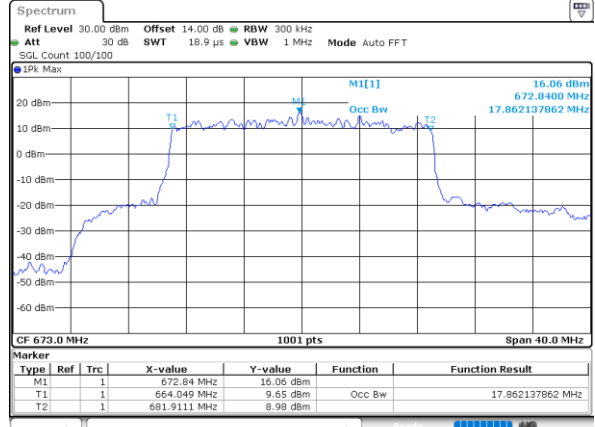
LTE Band 71

Lowest Channel / 20MHz / QPSK



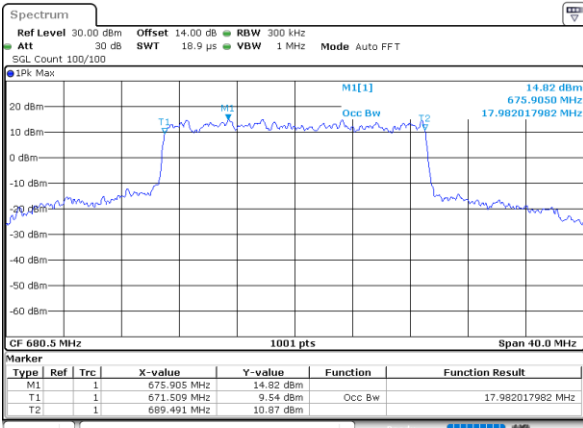
Date: 28\_MAR.2022 17:05:12

Lowest Channel / 20MHz / 16QAM



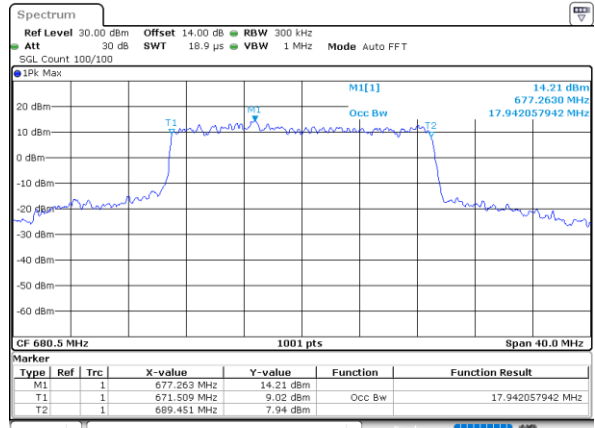
Date: 28\_MAR.2022 17:05:136

Middle Channel / 20MHz / QPSK



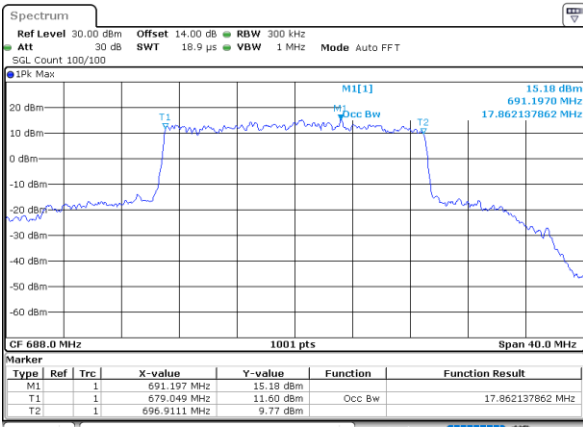
Date: 28\_MAR.2022 17:13:14

Middle Channel / 20MHz / 16QAM



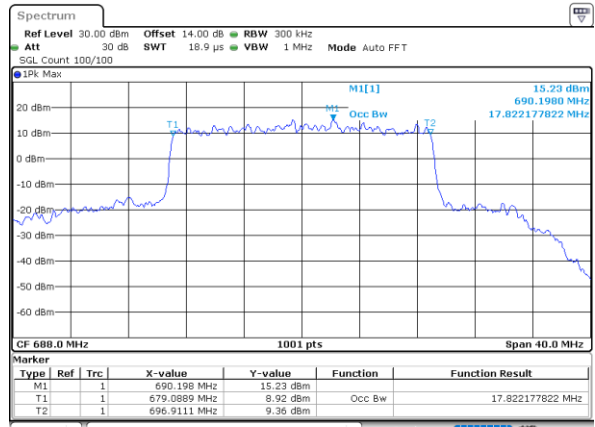
Date: 28\_MAR.2022 17:13:138

Highest Channel / 20MHz / QPSK



Date: 28\_MAR.2022 17:16:22

Highest Channel / 20MHz / 16QAM

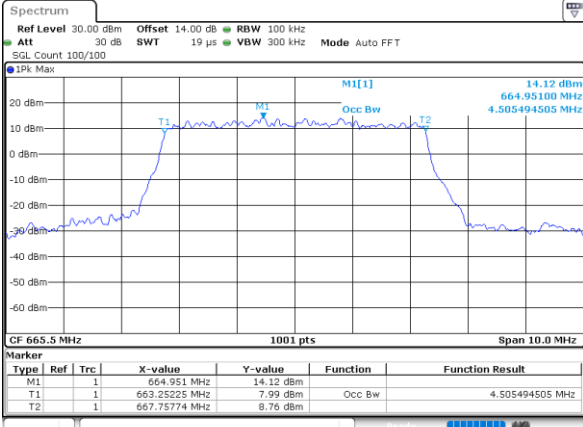


Date: 28\_MAR.2022 17:16:147



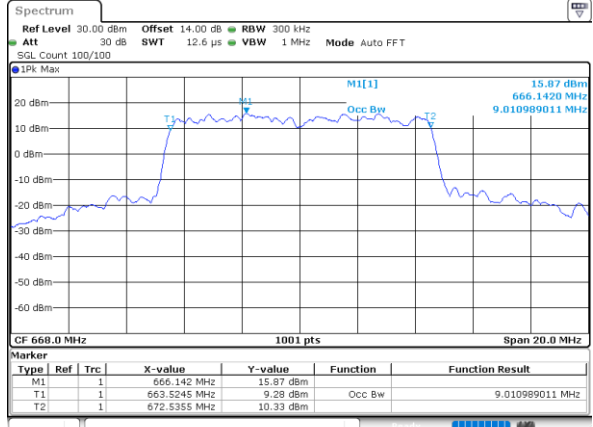
LTE Band 71

Lowest Channel / 5MHz / 64QAM



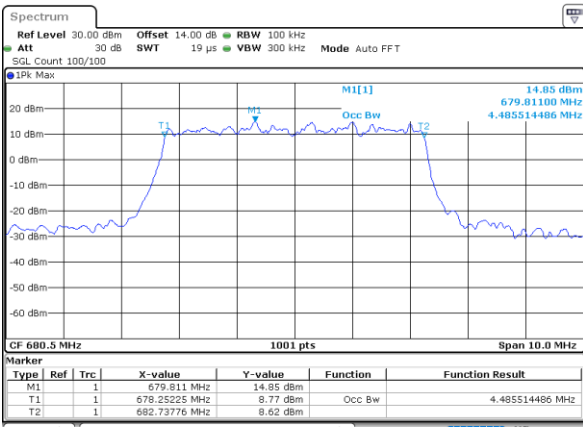
Date: 28\_MAR.2022 15:59:13

Lowest Channel / 10MHz / 64QAM



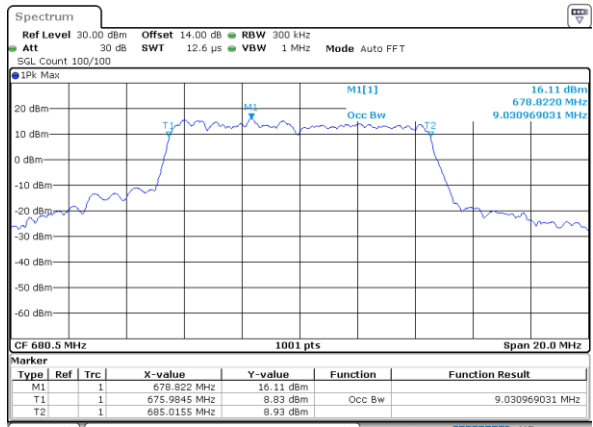
Date: 28\_MAR.2022 16:27:37

Middle Channel / 5MHz / 64QAM



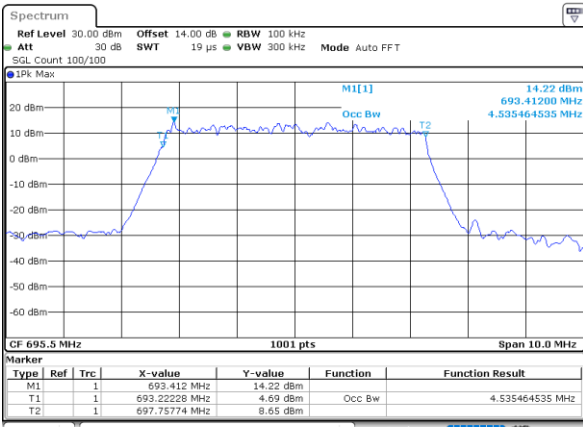
Date: 28\_MAR.2022 16:03:06

Middle Channel / 10MHz / 64QAM



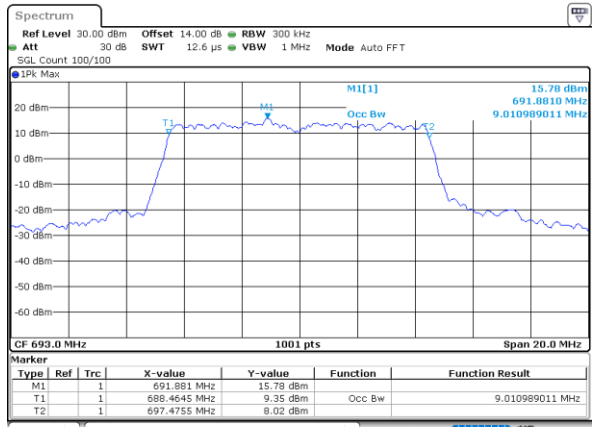
Date: 28\_MAR.2022 16:31:29

Highest Channel / 5MHz / 64QAM



Date: 28\_MAR.2022 16:04:31

Highest Channel / 10MHz / 64QAM



Date: 28\_MAR.2022 16:32:54