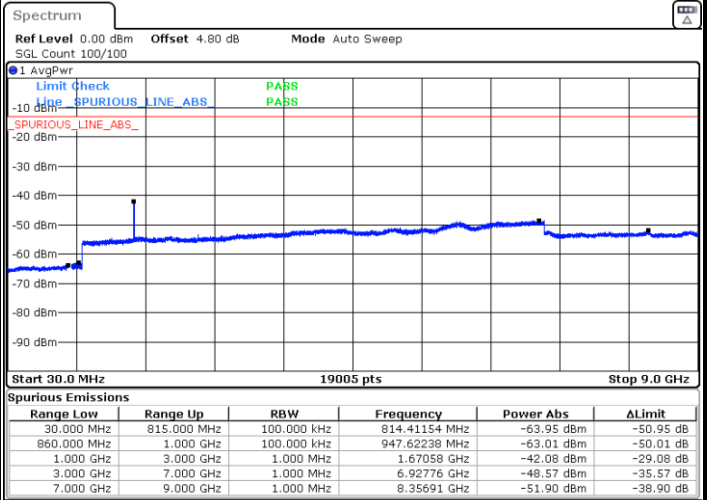
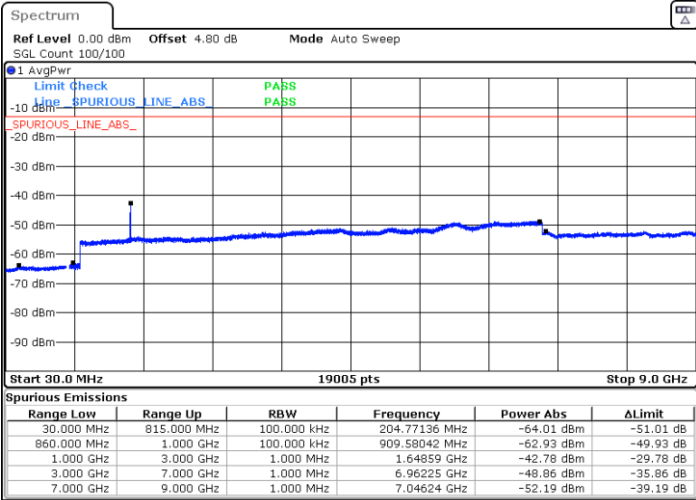




LTE Band 5 / 3MHz

Lowest Channel / 64QAM

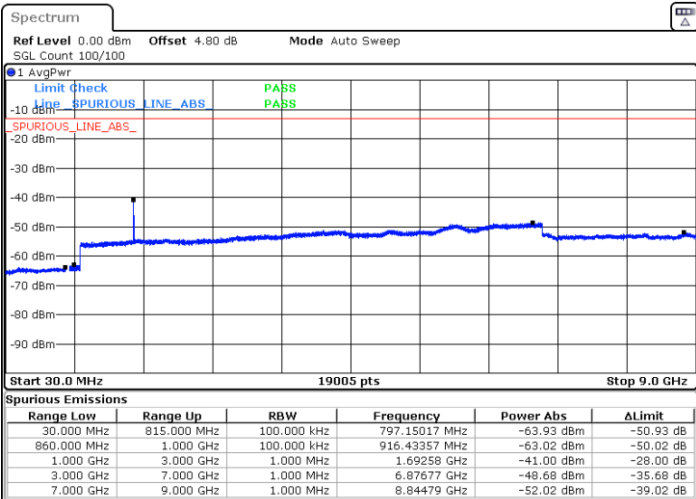
Middle Channel / 64QAM



Date: 22 MAR 2022 15:14:20

Date: 22 MAR 2022 15:15:11

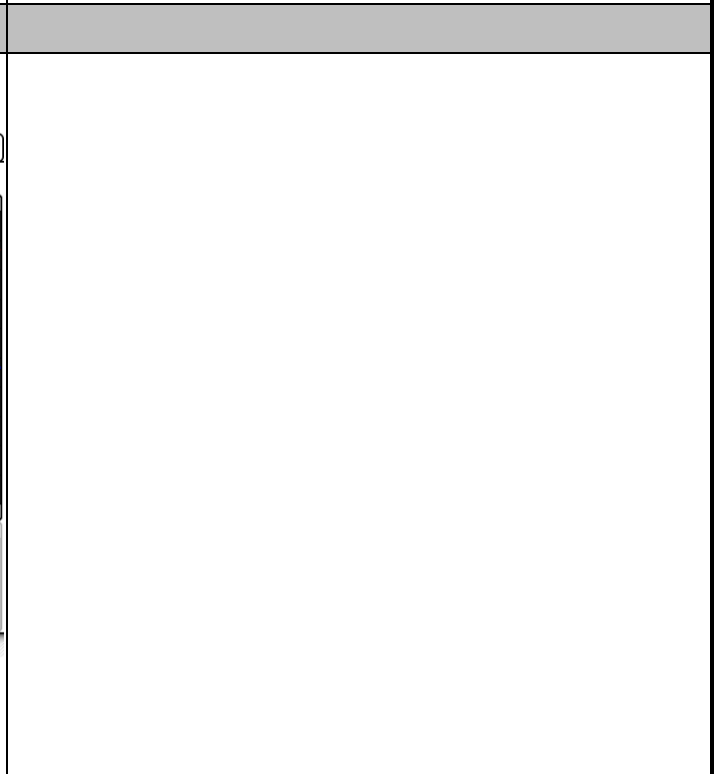
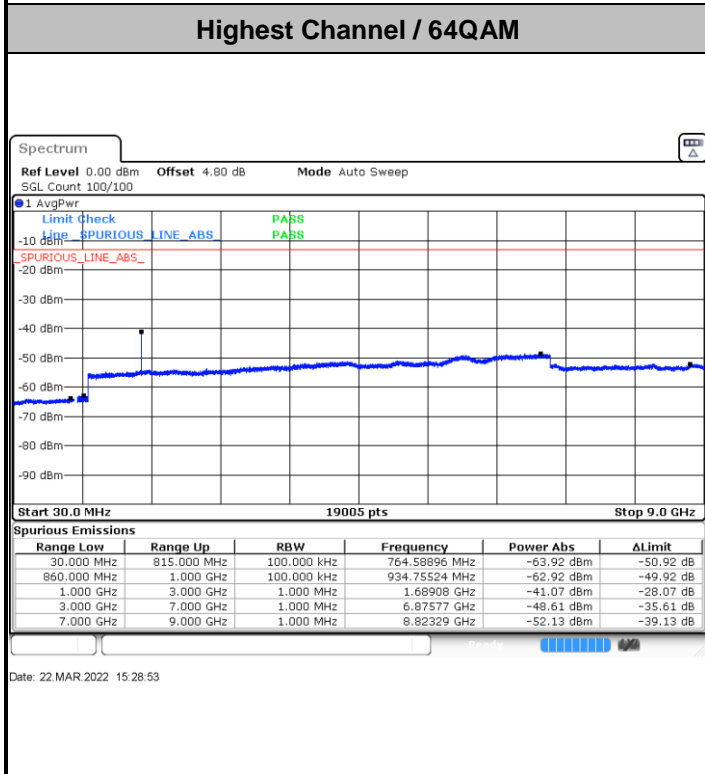
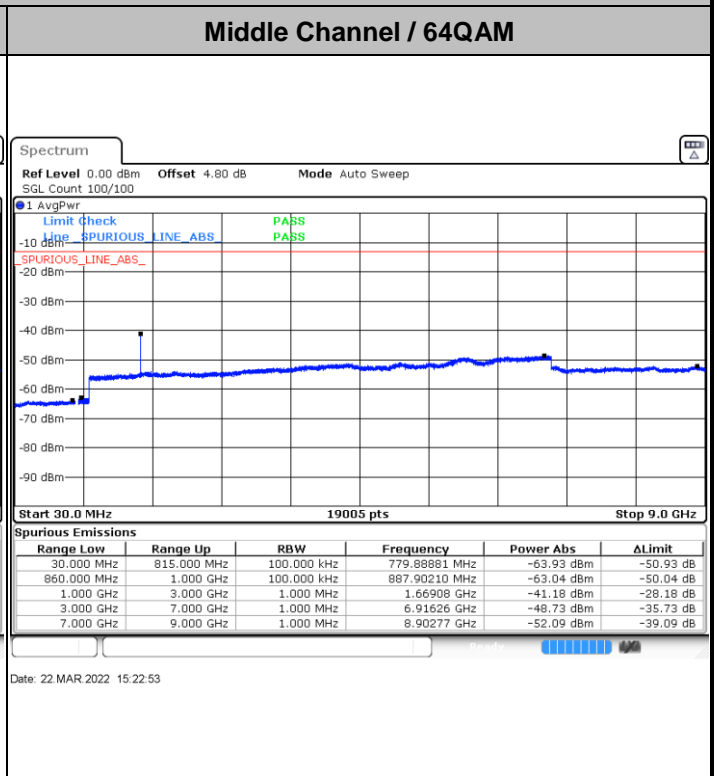
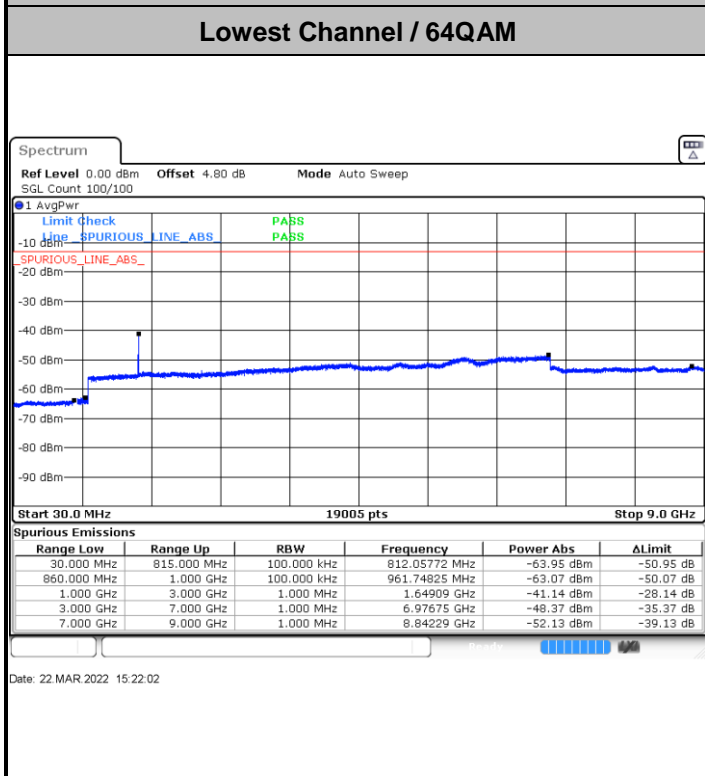
Highest Channel / 64QAM



Date: 22 MAR 2022 15:16:03



LTE Band 5 / 5MHz

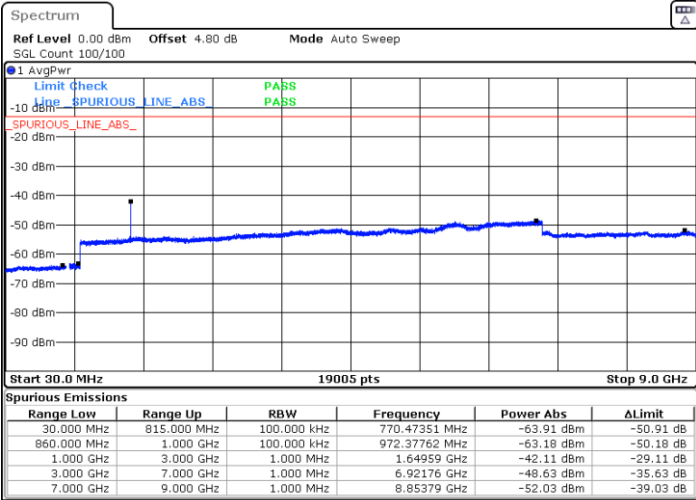




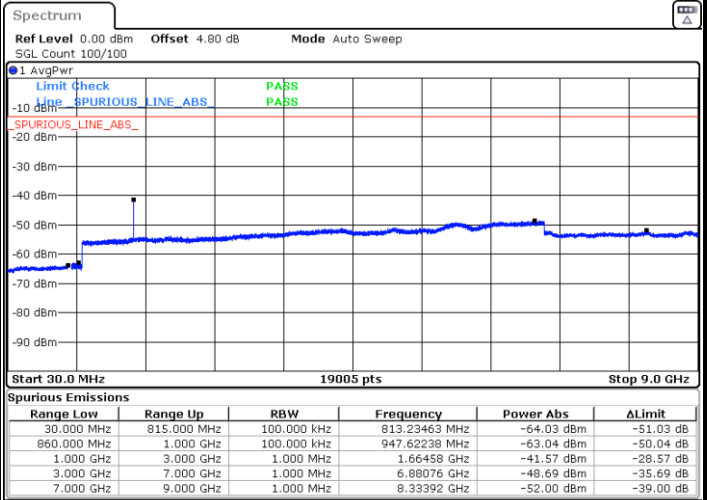
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

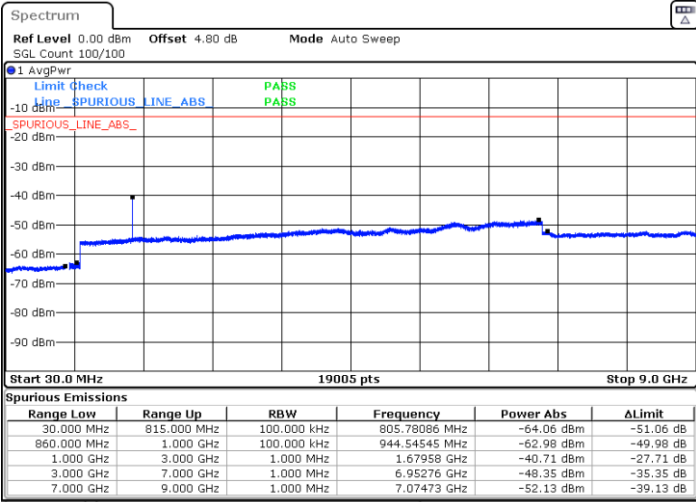


Date: 22 MAR 2022 15:29:45



Date: 22 MAR 2022 15:30:36

Highest Channel / 64QAM



Date: 22 MAR 2022 15:31:27



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.



LTE Band 7

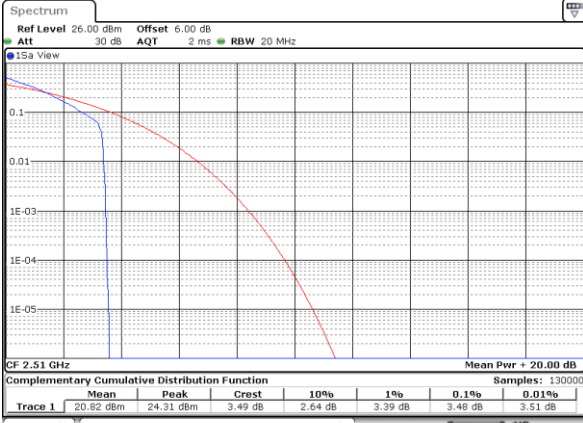
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.75	4.93	5.80	PASS
Middle CH	3.36	4.70	4.78	5.62	
Highest CH	3.36	4.70	4.78	5.74	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.93	5.80	-	-	PASS
Middle CH	4.90	5.62	-	-	
Highest CH	4.96	5.74	-	-	



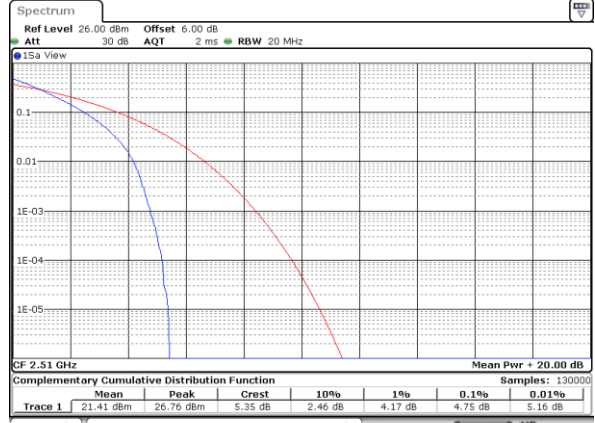
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



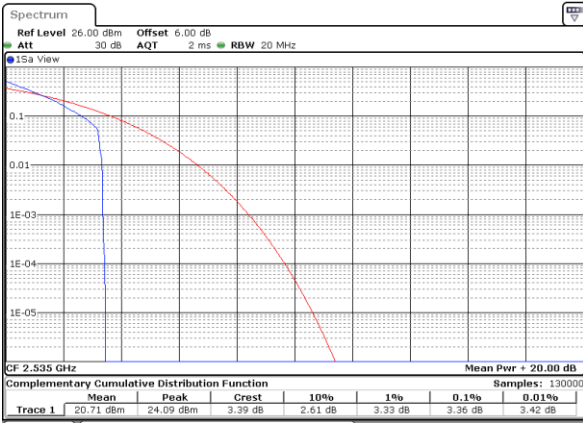
Date: 23 MAR 2022 08:49:48

Lowest Channel / Full RB



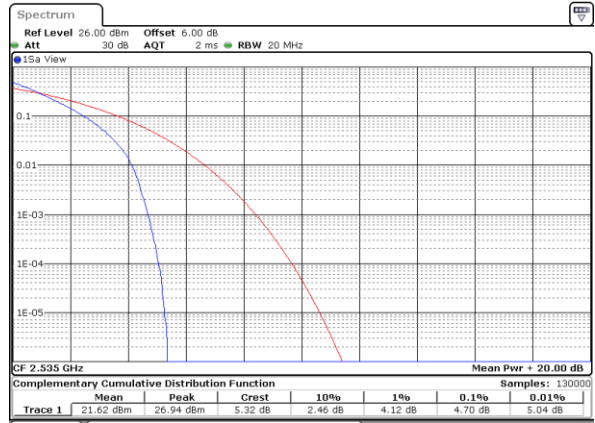
Date: 23 MAR 2022 08:50:40

Middle Channel / 1RB



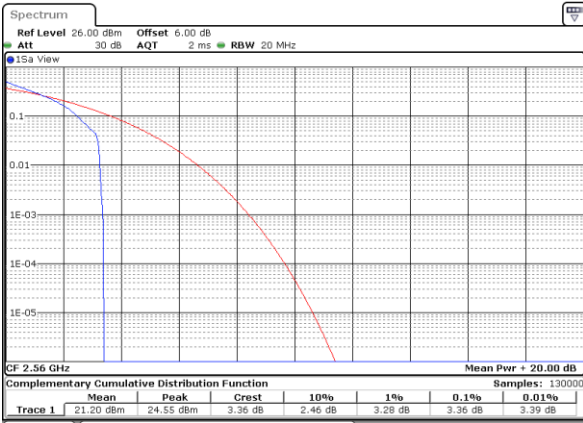
Date: 23 MAR 2022 08:50:49

Middle Channel / Full RB



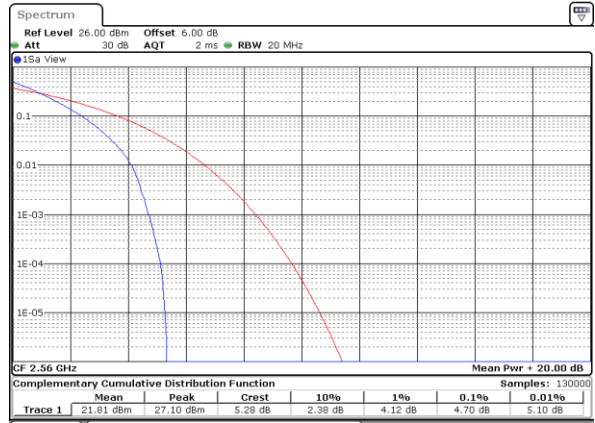
Date: 23 MAR 2022 08:50:59

Highest Channel / 1RB



Date: 23 MAR 2022 08:51:09

Highest Channel / Full RB

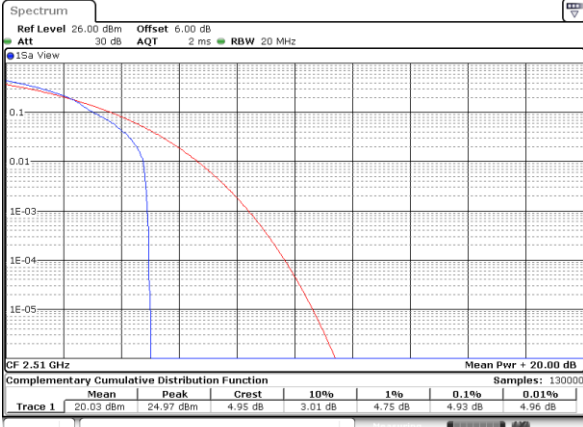


Date: 23 MAR 2022 08:51:20



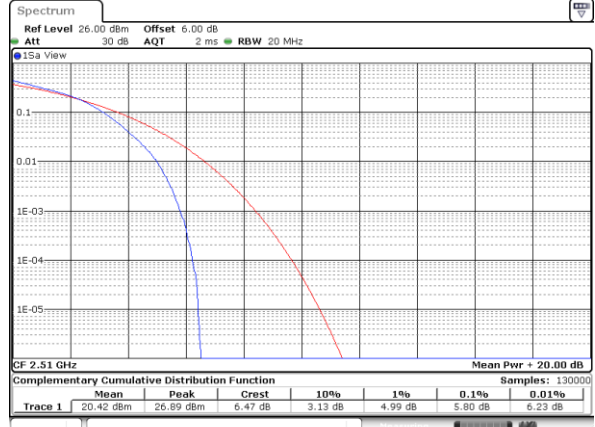
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



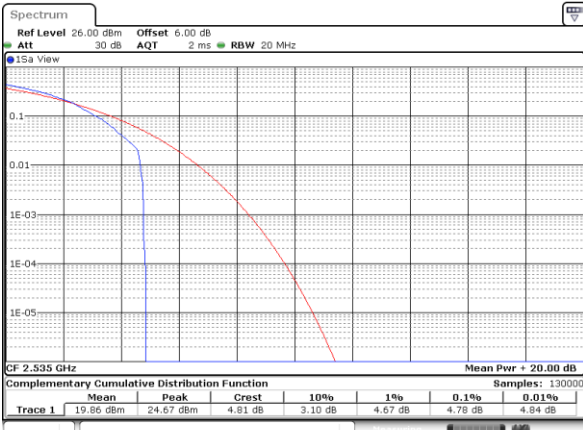
Date: 23 MAR 2022 08:48:20

Lowest Channel / Full RB



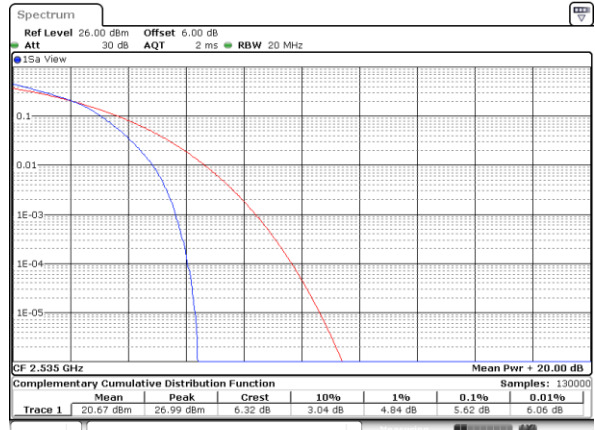
Date: 23 MAR 2022 08:48:31

Middle Channel / 1RB



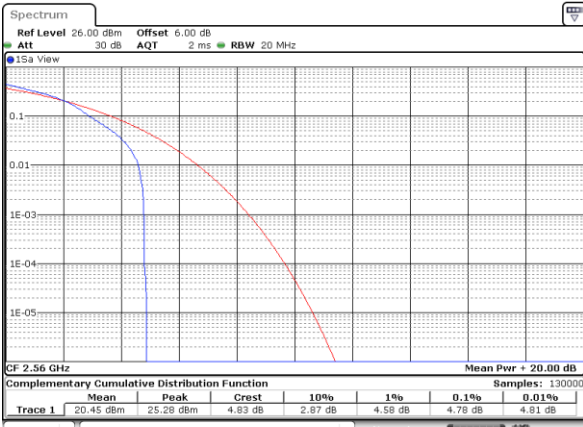
Date: 23 MAR 2022 08:48:42

Middle Channel / Full RB



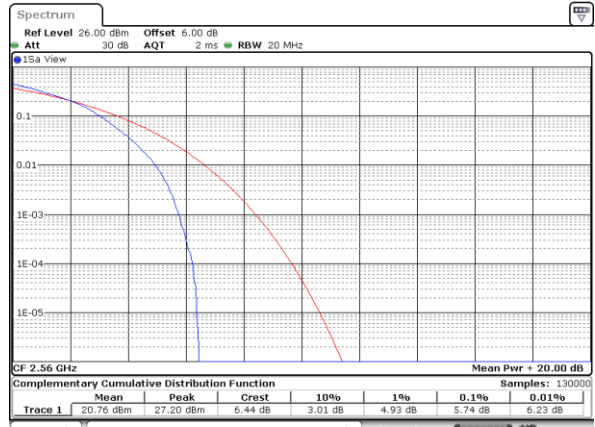
Date: 23 MAR 2022 08:48:52

Highest Channel / 1RB



Date: 23 MAR 2022 08:49:02

Highest Channel / Full RB

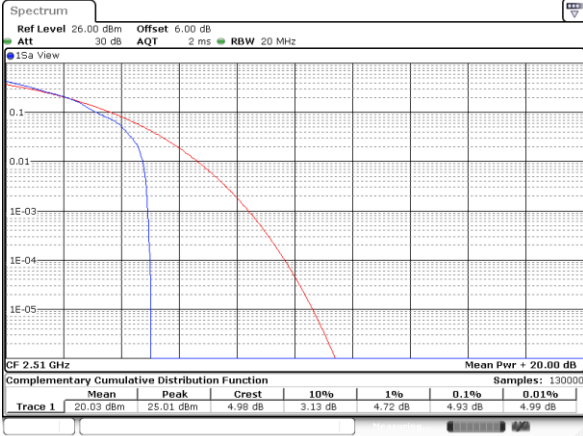


Date: 23 MAR 2022 08:49:19



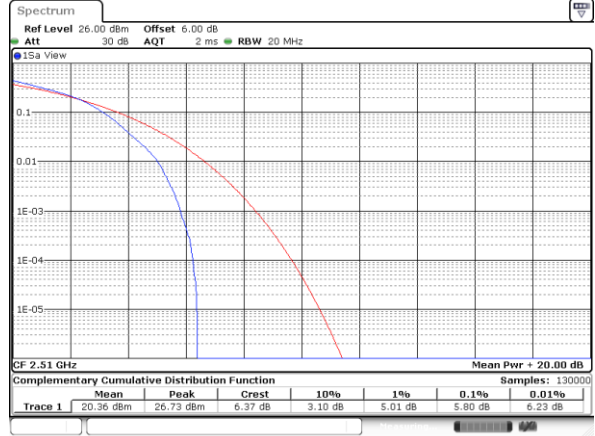
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



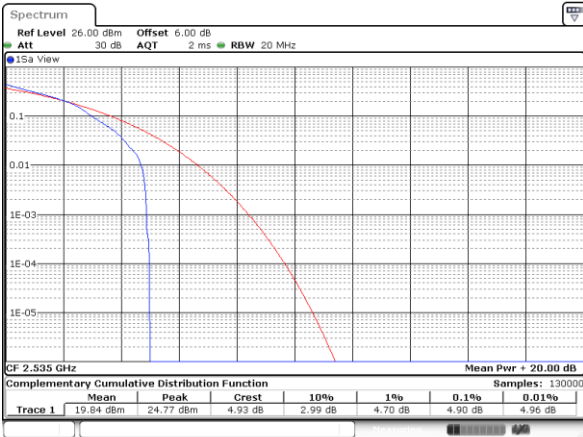
Date: 23 MAR 2022 08:51:29

Lowest Channel / Full RB



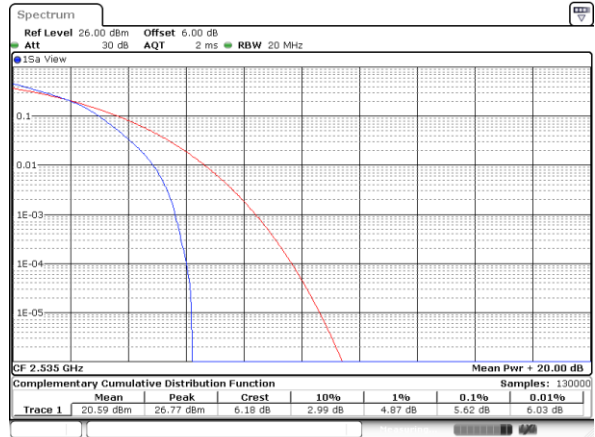
Date: 23 MAR 2022 08:51:39

Middle Channel / 1RB



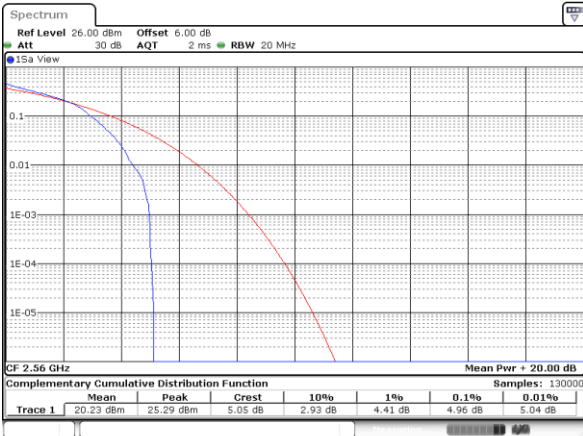
Date: 23 MAR 2022 08:51:59

Middle Channel / Full RB



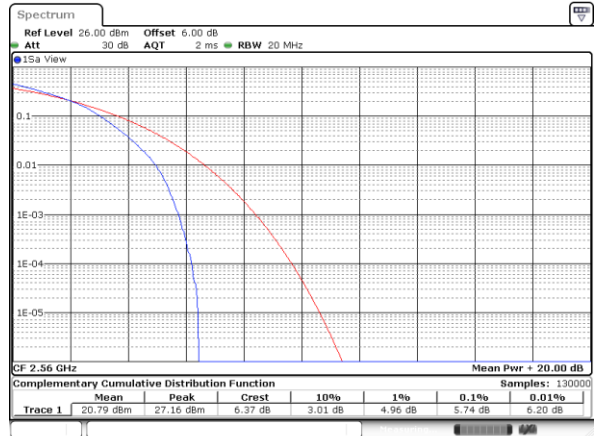
Date: 23 MAR 2022 08:53:00

Highest Channel / 1RB



Date: 23 MAR 2022 08:53:11

Highest Channel / Full RB



Date: 23 MAR 2022 08:53:21



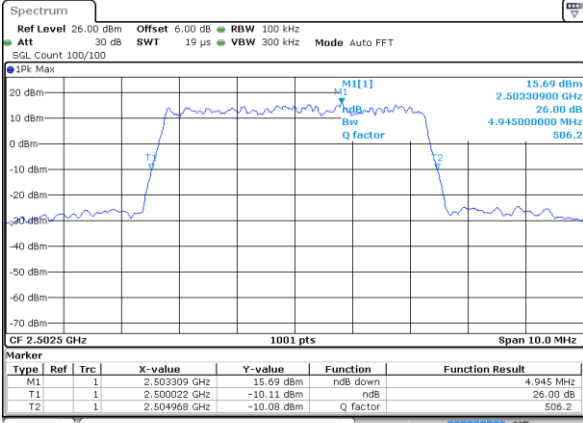
26dB Bandwidth

Mode	LTE Band 7							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.95	5.03	9.81	9.87	14.42	14.30	19.02	19.42
Middle CH	4.89	4.91	9.73	9.75	14.54	14.48	19.26	18.98
Highest CH	4.97	4.90	9.67	9.79	14.33	14.42	19.46	18.78
Mode	LTE Band 7							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.86	-	9.85	-	14.57	-	19.06	-
Middle CH	4.91	-	9.75	-	14.48	-	19.06	-
Highest CH	4.94	-	9.83	-	14.54	-	18.74	-



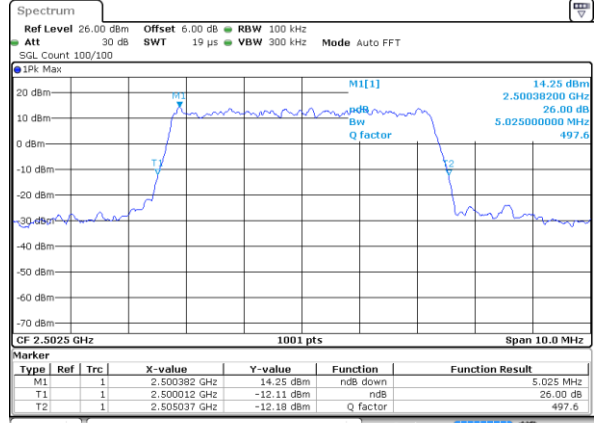
LTE Band 7

Lowest Channel / 5MHz / QPSK



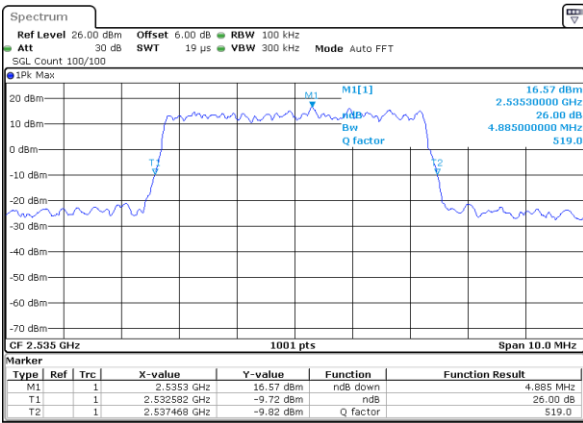
Date: 23 MAR 2022 07:50:53

Lowest Channel / 5MHz / 16QAM



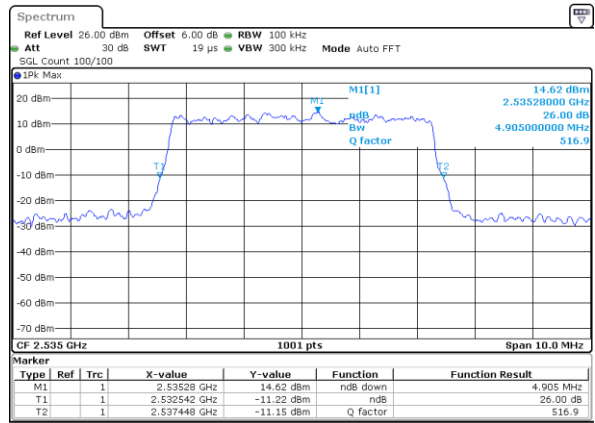
Date: 23 MAR 2022 07:51:04

Middle Channel / 5MHz / QPSK



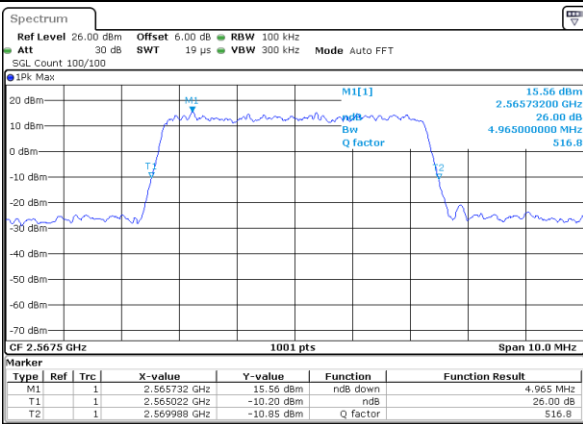
Date: 23 MAR 2022 07:53:55

Middle Channel / 5MHz / 16QAM



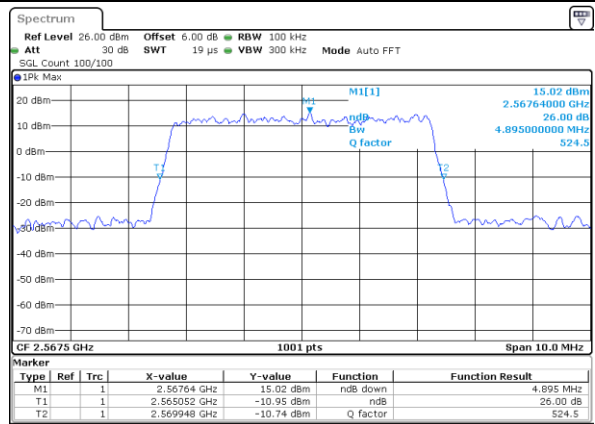
Date: 23 MAR 2022 07:54:06

Highest Channel / 5MHz / QPSK



Date: 23 MAR 2022 07:56:57

Highest Channel / 5MHz / 16QAM

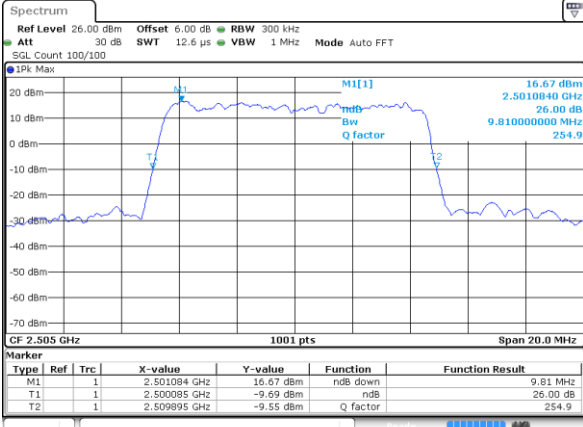


Date: 23 MAR 2022 07:57:08



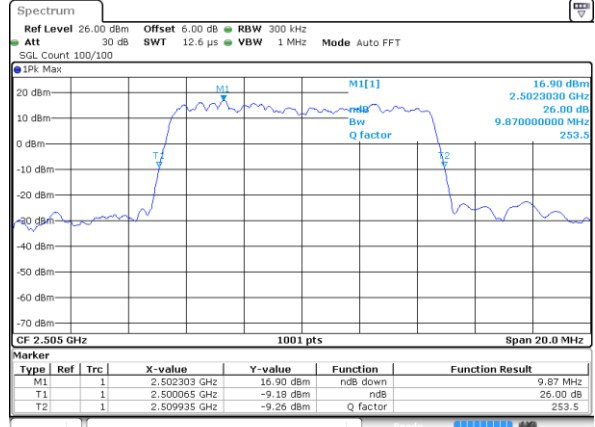
LTE Band 7

Lowest Channel / 10MHz / QPSK



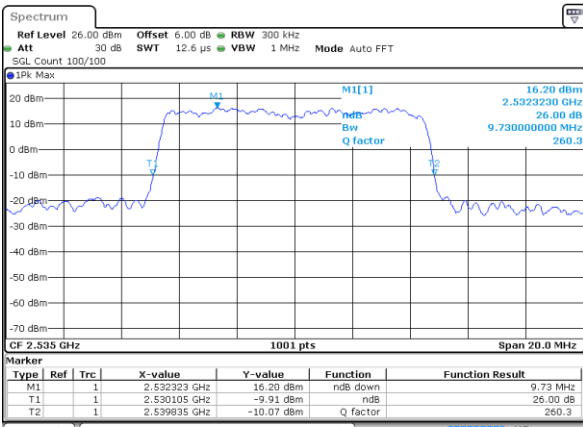
Date: 23 MAR 2022 08:04:31

Lowest Channel / 10MHz / 16QAM



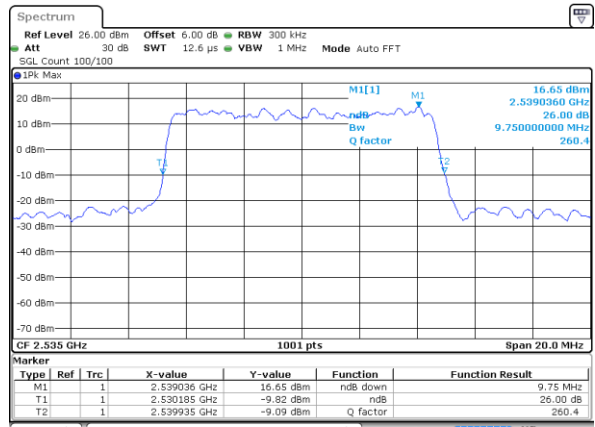
Date: 23 MAR 2022 08:04:42

Middle Channel / 10MHz / QPSK



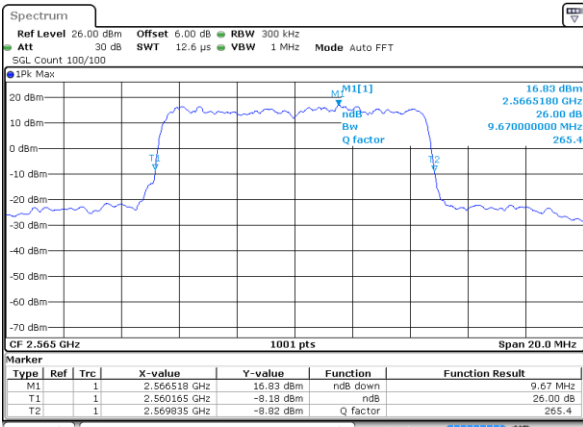
Date: 23 MAR 2022 08:07:33

Middle Channel / 10MHz / 16QAM



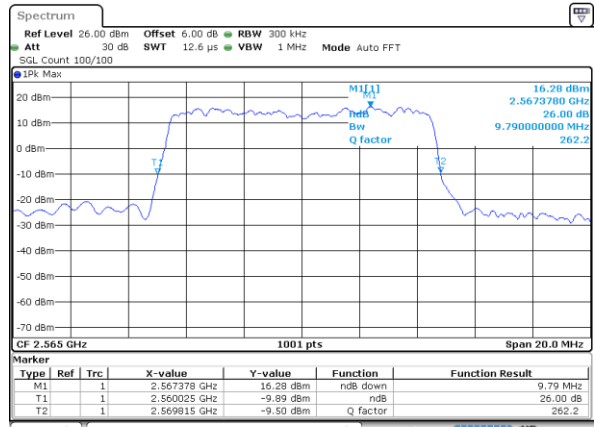
Date: 23 MAR 2022 08:07:44

Highest Channel / 10MHz / QPSK



Date: 23 MAR 2022 08:10:35

Highest Channel / 10MHz / 16QAM

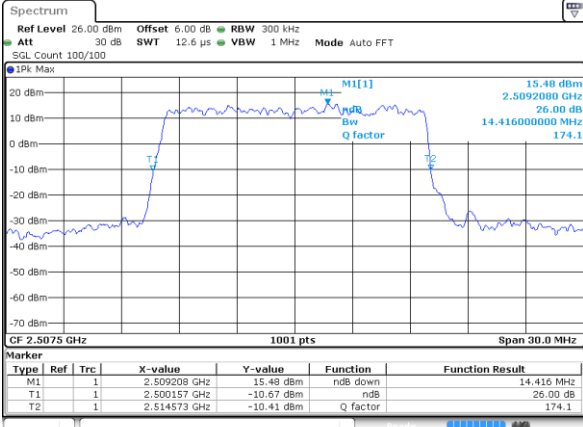


Date: 23 MAR 2022 08:10:46



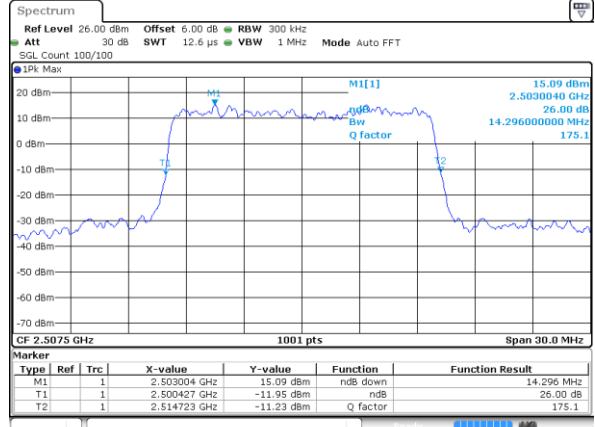
LTE Band 7

Lowest Channel / 15MHz / QPSK



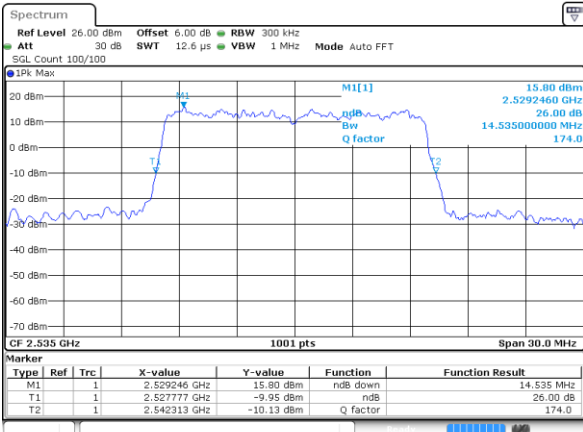
Date: 23 MAR 2022 08:18:09

Lowest Channel / 15MHz / 16QAM



Date: 23 MAR 2022 08:18:20

Middle Channel / 15MHz / QPSK



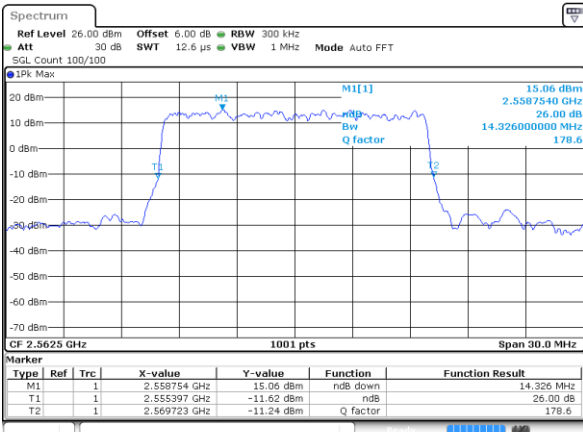
Date: 23 MAR 2022 08:21:11

Middle Channel / 15MHz / 16QAM



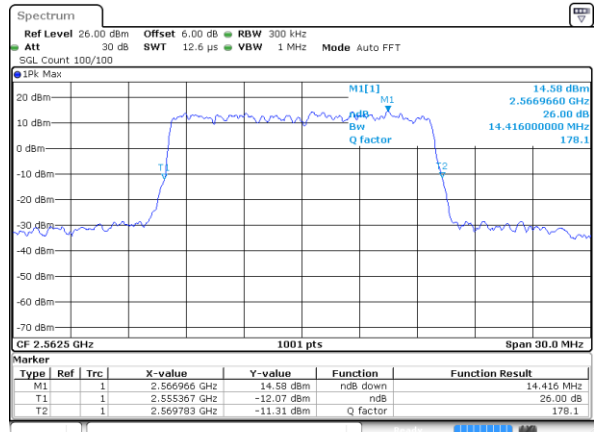
Date: 23 MAR 2022 08:21:22

Highest Channel / 15MHz / QPSK



Date: 23 MAR 2022 08:24:13

Highest Channel / 15MHz / 16QAM

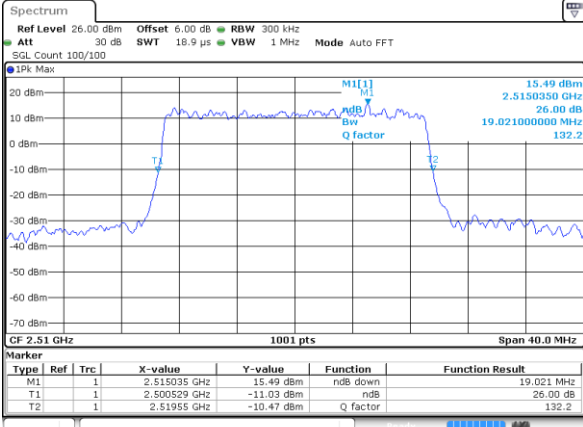


Date: 23 MAR 2022 08:24:24



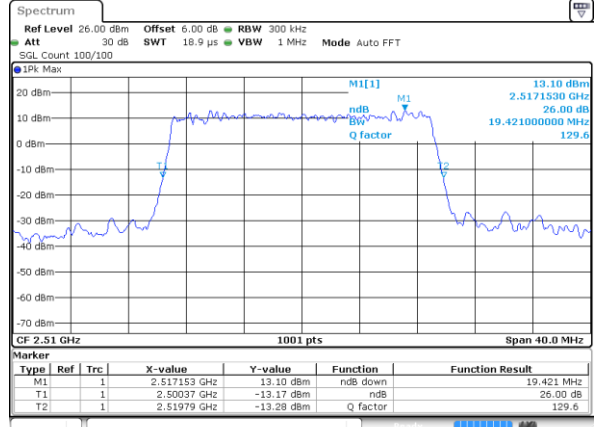
LTE Band 7

Lowest Channel / 20MHz / QPSK



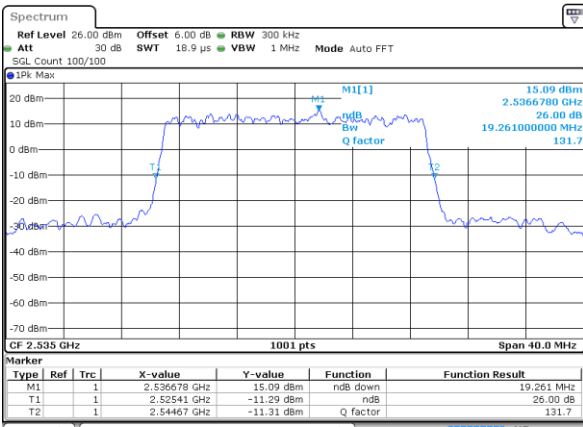
Date: 23 MAR 2022 08:31:47

Lowest Channel / 20MHz / 16QAM



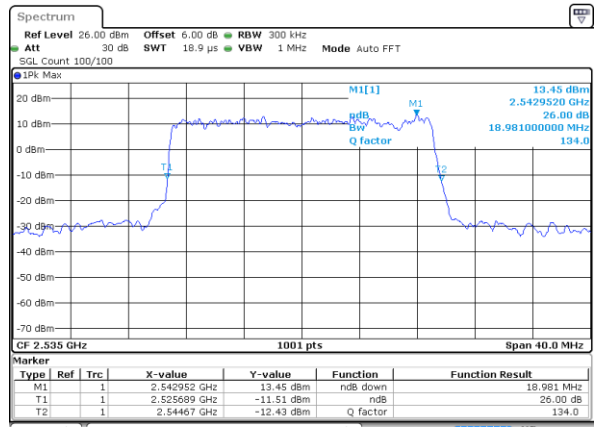
Date: 23 MAR 2022 08:31:58

Middle Channel / 20MHz / QPSK



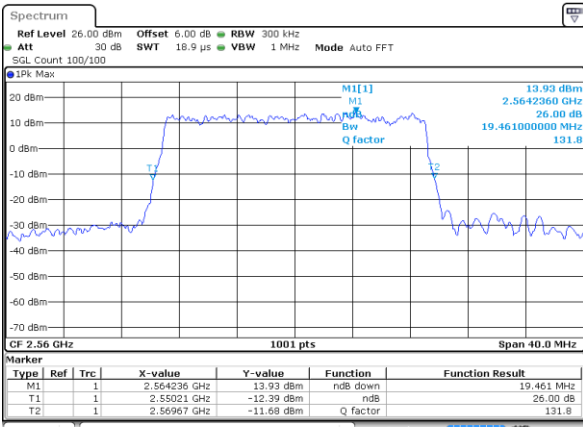
Date: 23 MAR 2022 08:34:48

Middle Channel / 20MHz / 16QAM



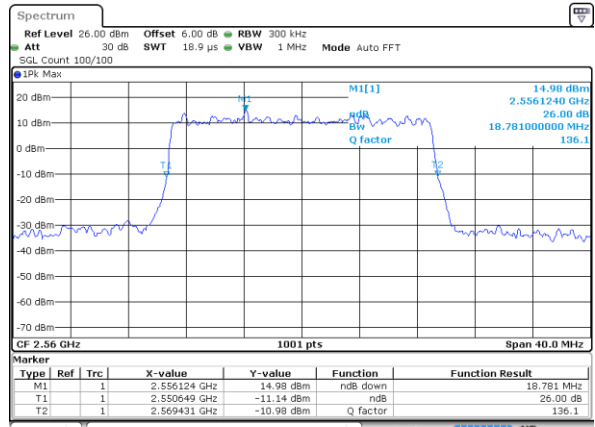
Date: 23 MAR 2022 08:34:59

Highest Channel / 20MHz / QPSK



Date: 23 MAR 2022 08:37:50

Highest Channel / 20MHz / 16QAM

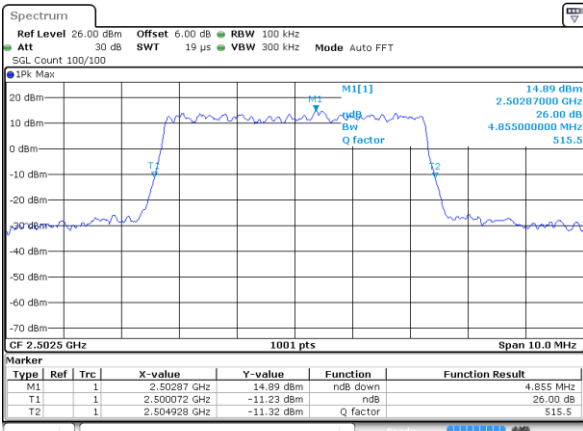


Date: 23 MAR 2022 08:38:01



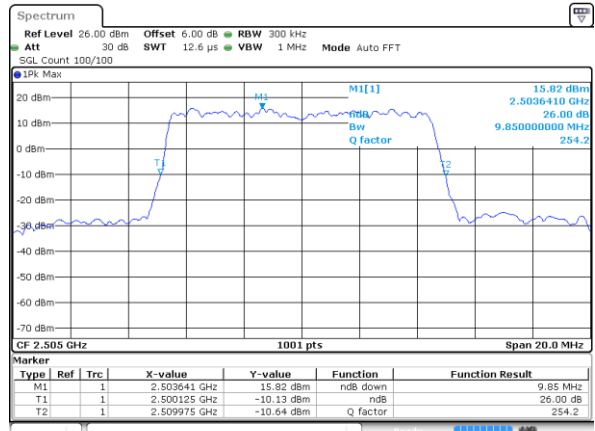
LTE Band 7

Lowest Channel / 5MHz / 64QAM



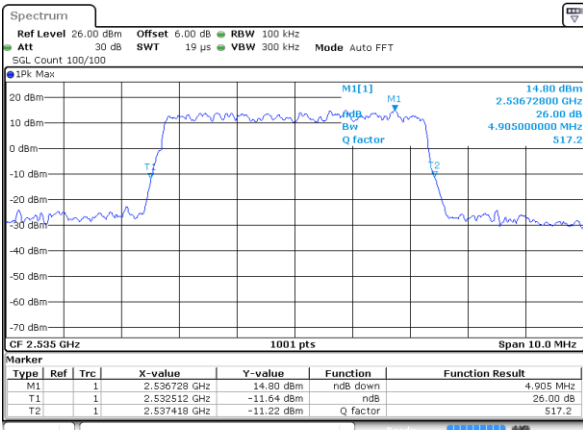
Date: 23 MAR 2022 07:59:48

Lowest Channel / 10MHz / 64QAM



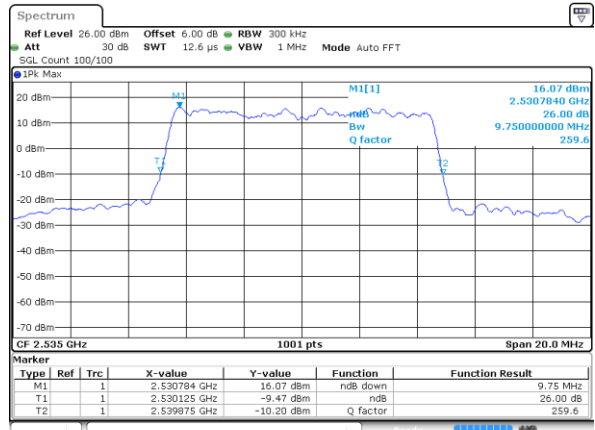
Date: 23 MAR 2022 08:13:25

Middle Channel / 5MHz / 64QAM



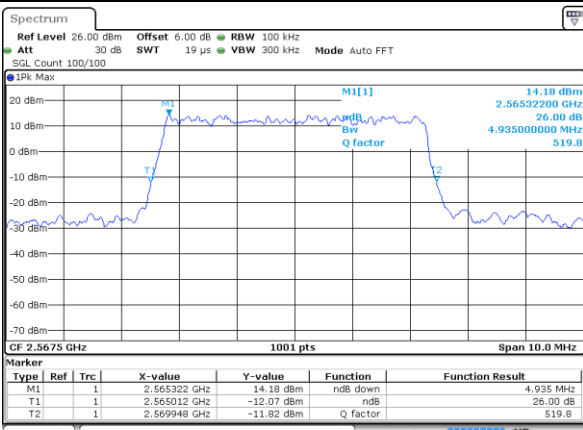
Date: 23 MAR 2022 08:01:19

Middle Channel / 10MHz / 64QAM



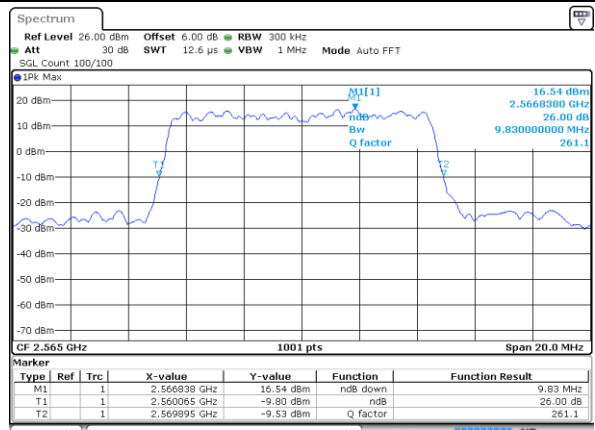
Date: 23 MAR 2022 08:14:56

Highest Channel / 5MHz / 64QAM



Date: 23 MAR 2022 08:02:49

Highest Channel / 10MHz / 64QAM

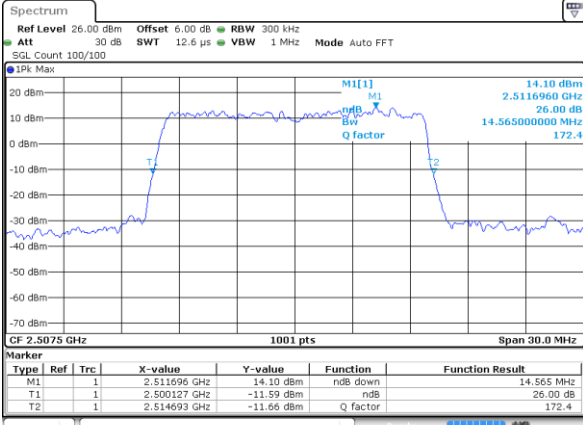


Date: 23 MAR 2022 08:16:27



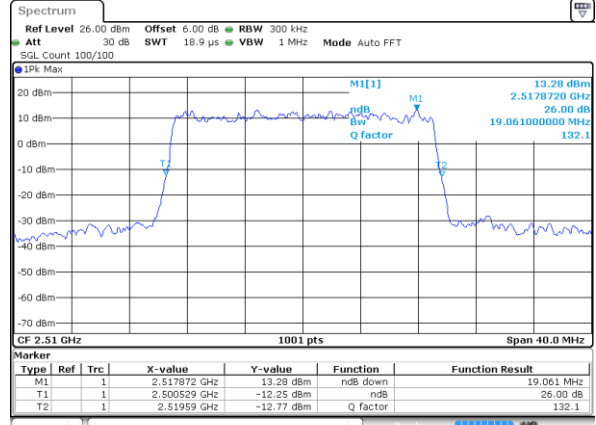
LTE Band 7

Lowest Channel / 15MHz / 64QAM



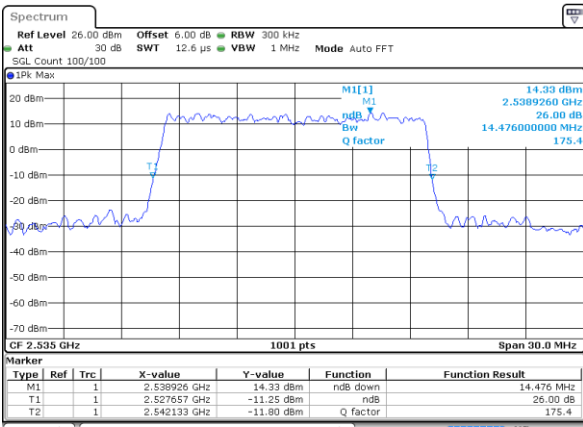
Date: 23 MAR 2022 08:27:03

Lowest Channel / 20MHz / 64QAM



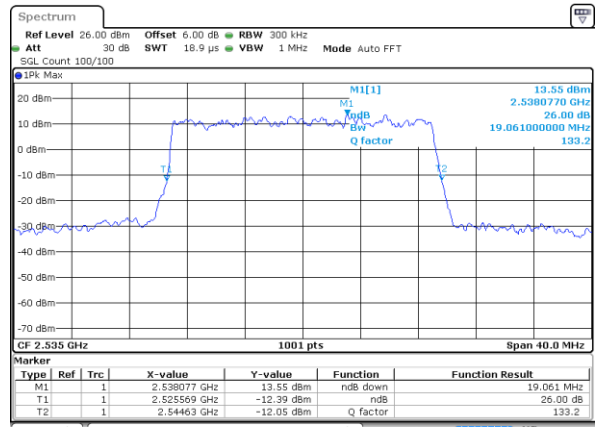
Date: 23 MAR 2022 08:40:41

Middle Channel / 15MHz / 64QAM



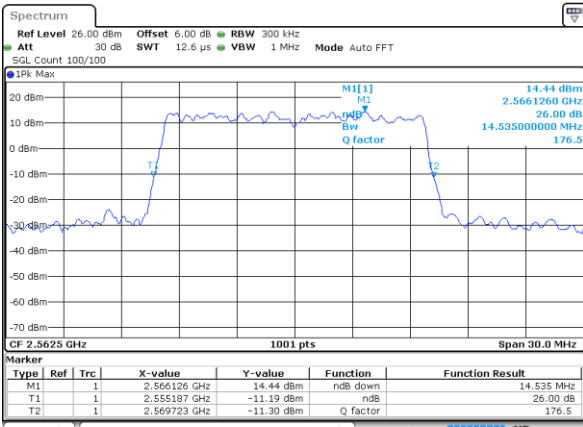
Date: 23 MAR 2022 08:28:34

Middle Channel / 20MHz / 64QAM



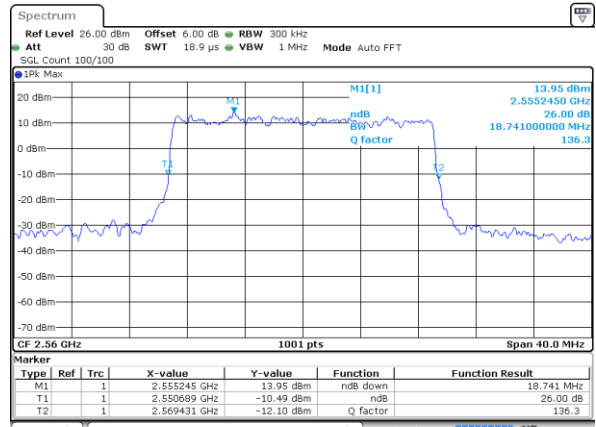
Date: 23 MAR 2022 08:42:12

Highest Channel / 15MHz / 64QAM



Date: 23 MAR 2022 08:30:05

Highest Channel / 20MHz / 64QAM



Date: 23 MAR 2022 08:43:43



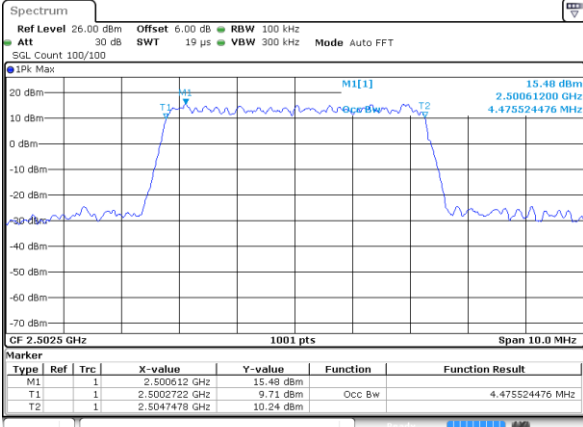
Occupied Bandwidth

Mode	LTE Band 7							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.48	4.47	9.09	8.97	13.43	13.40	17.90	17.86
Middle CH	4.48	4.49	9.05	9.05	13.46	13.43	17.86	17.90
Highest CH	4.49	4.50	9.03	9.03	13.43	13.40	17.86	17.86
Mode	LTE Band 7							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.50	-	9.03	-	13.49	-	17.90	-
Middle CH	4.48	-	9.03	-	13.40	-	17.90	-
Highest CH	4.49	-	9.05	-	13.43	-	17.86	-



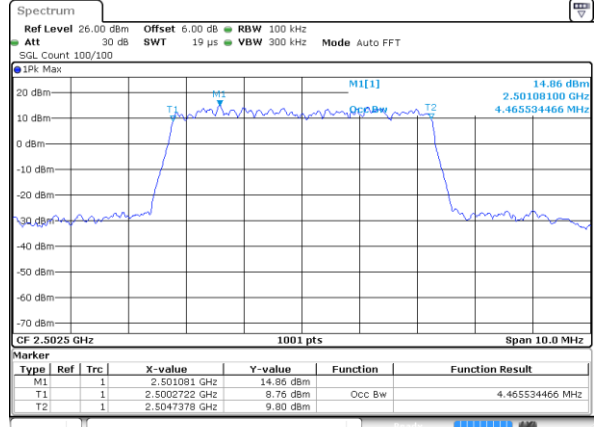
LTE Band 7

Lowest Channel / 5MHz / QPSK



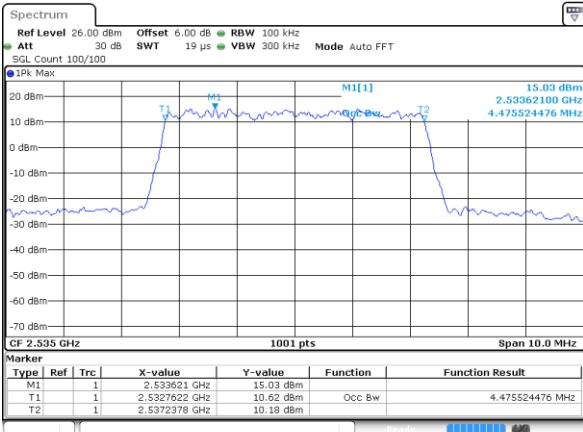
Date: 23 MAR 2022 07:50:32

Lowest Channel / 5MHz / 16QAM



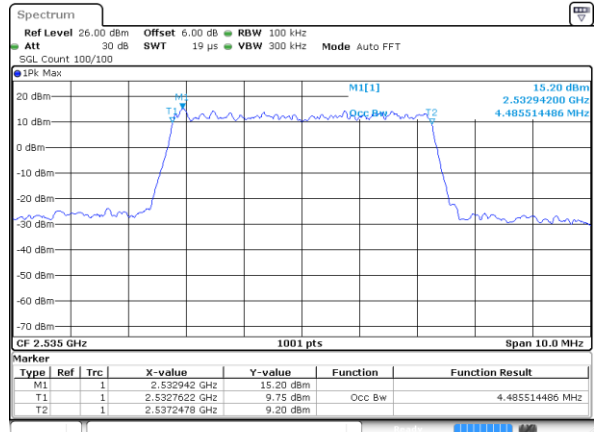
Date: 23 MAR 2022 07:50:42

Middle Channel / 5MHz / QPSK



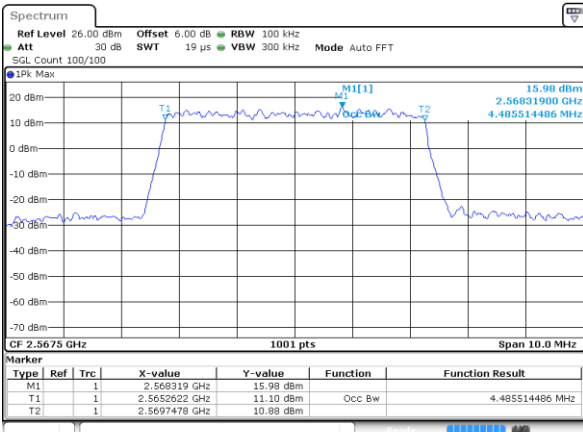
Date: 23 MAR 2022 07:53:33

Middle Channel / 5MHz / 16QAM



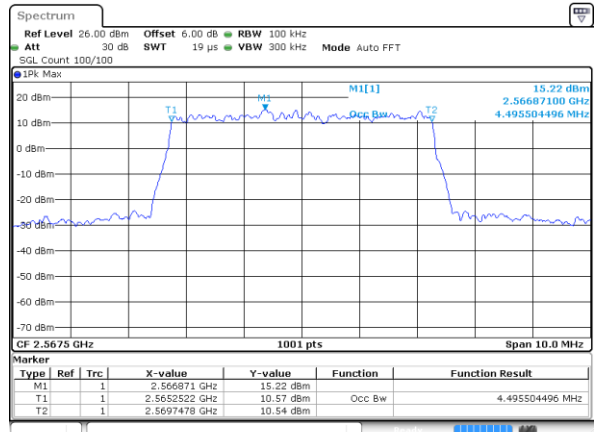
Date: 23 MAR 2022 07:53:44

Highest Channel / 5MHz / QPSK



Date: 23 MAR 2022 07:56:35

Highest Channel / 5MHz / 16QAM

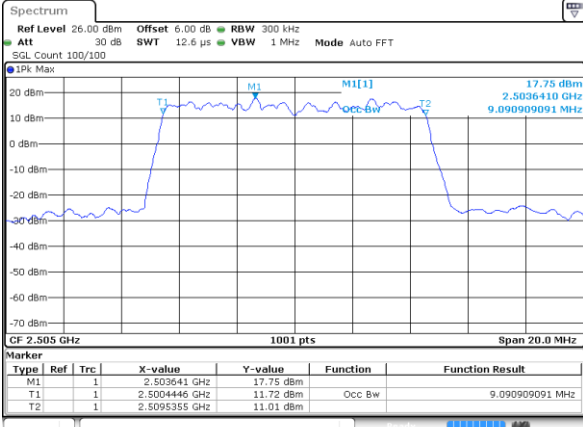


Date: 23 MAR 2022 07:56:46



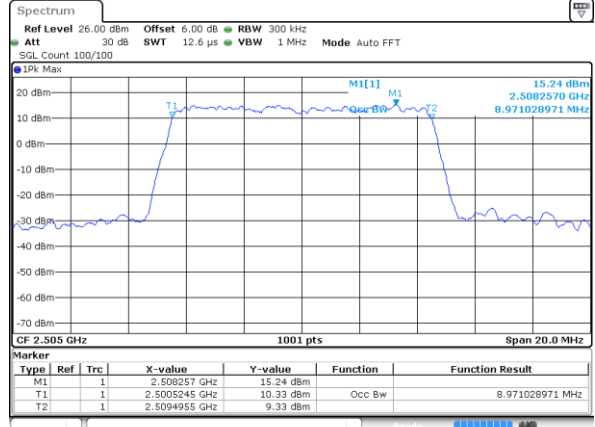
LTE Band 7

Lowest Channel / 10MHz / QPSK



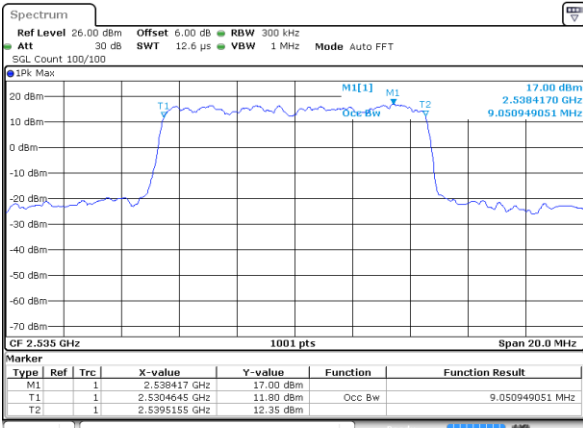
Date: 23 MAR 2022 08:04:09

Lowest Channel / 10MHz / 16QAM



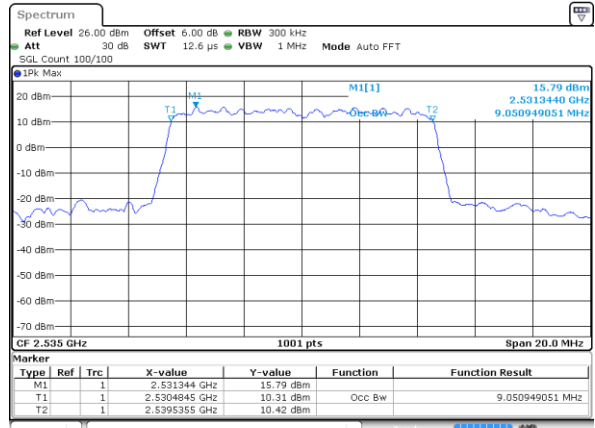
Date: 23 MAR 2022 08:04:20

Middle Channel / 10MHz / QPSK



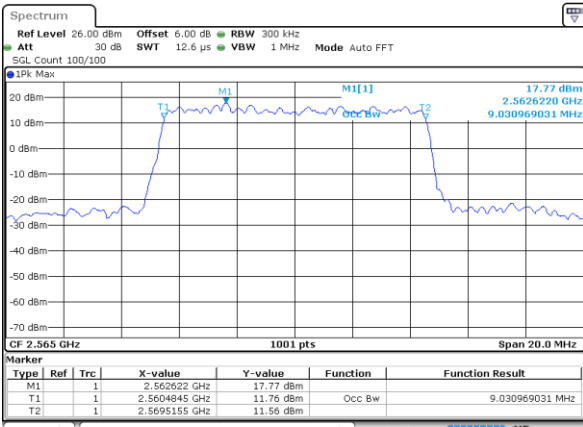
Date: 23 MAR 2022 08:07:11

Middle Channel / 10MHz / 16QAM



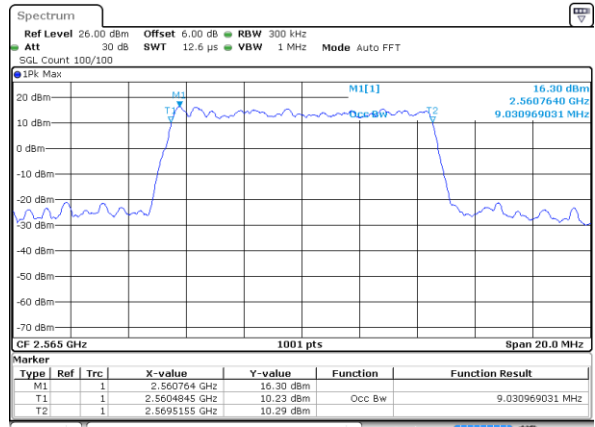
Date: 23 MAR 2022 08:07:22

Highest Channel / 10MHz / QPSK



Date: 23 MAR 2022 08:10:13

Highest Channel / 10MHz / 16QAM

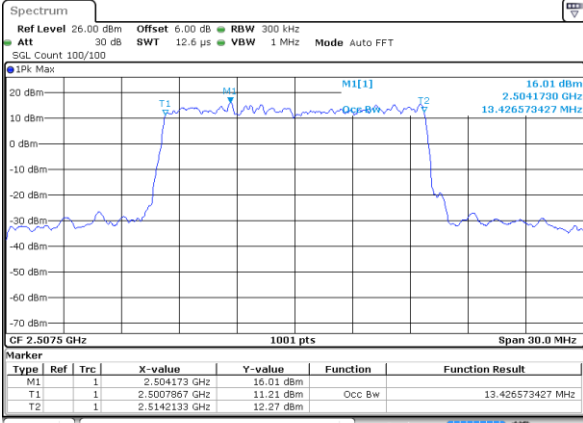


Date: 23 MAR 2022 08:10:24



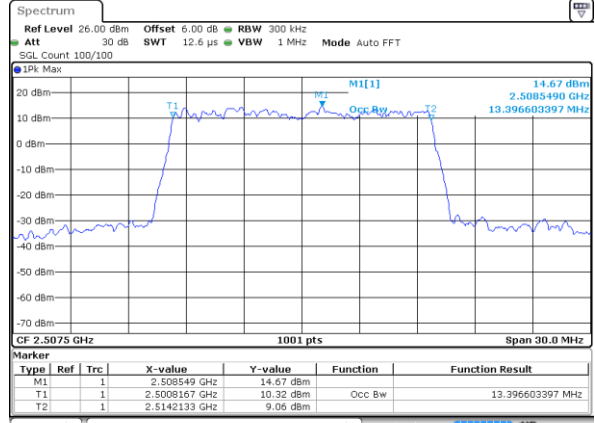
LTE Band 7

Lowest Channel / 15MHz / QPSK



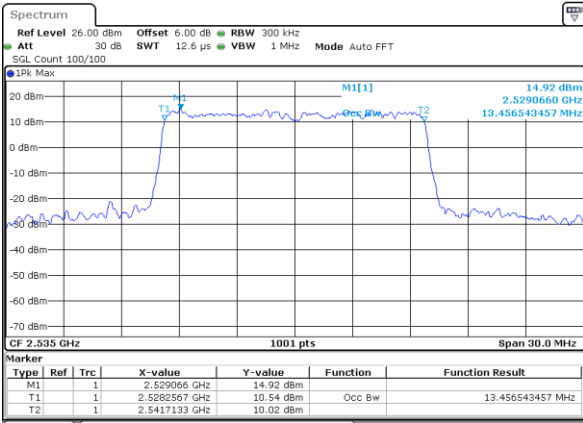
Date: 23 MAR 2022 08:17:47

Lowest Channel / 15MHz / 16QAM



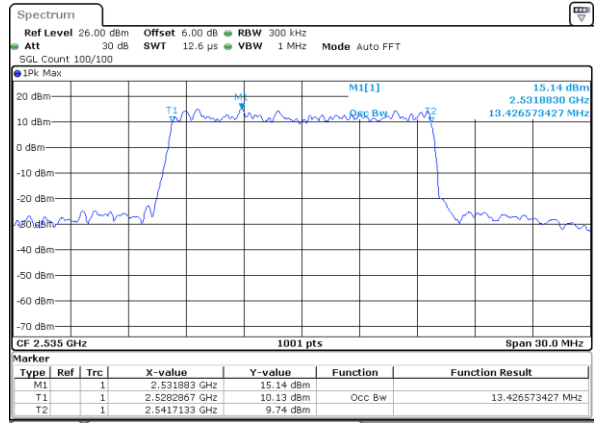
Date: 23 MAR 2022 08:17:58

Middle Channel / 15MHz / QPSK



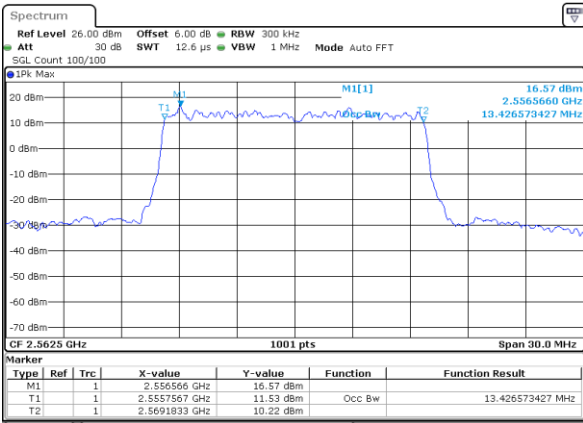
Date: 23 MAR 2022 08:20:49

Middle Channel / 15MHz / 16QAM



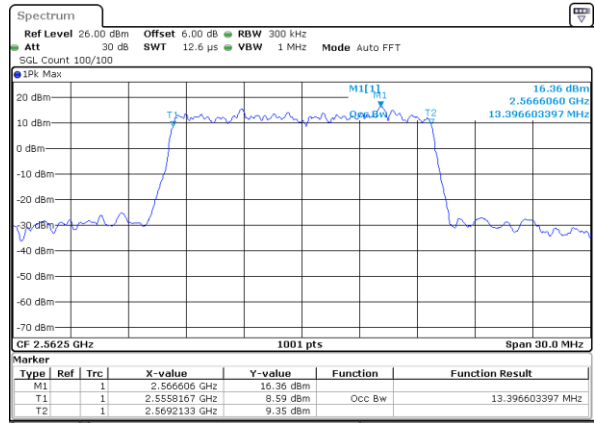
Date: 23 MAR 2022 08:21:00

Highest Channel / 15MHz / QPSK



Date: 23 MAR 2022 08:23:51

Highest Channel / 15MHz / 16QAM

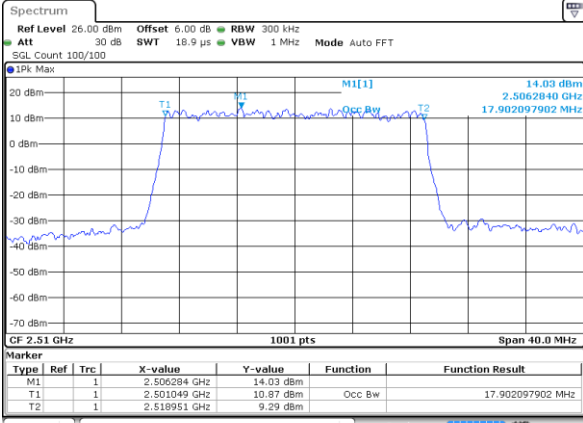


Date: 23 MAR 2022 08:24:02



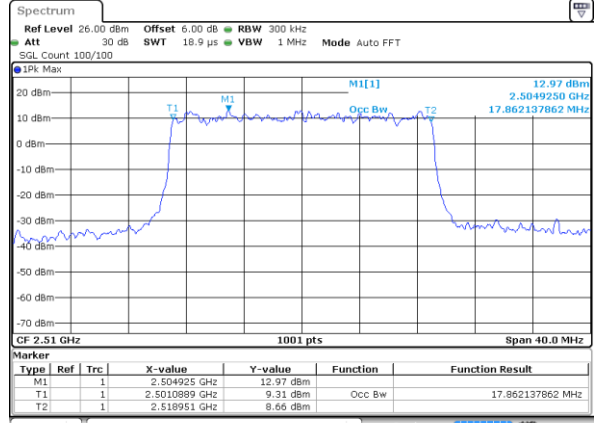
LTE Band 7

Lowest Channel / 20MHz / QPSK



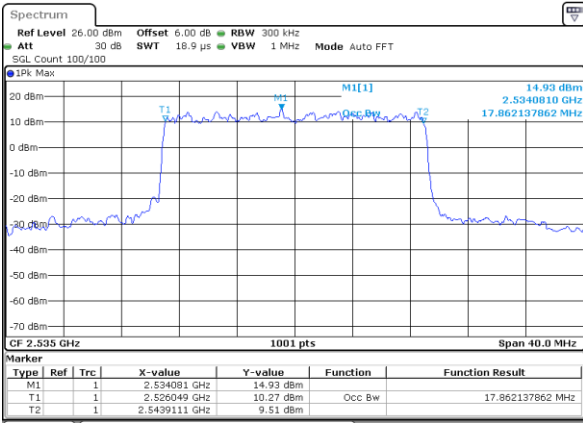
Date: 23 MAR 2022 08:31:25

Lowest Channel / 20MHz / 16QAM



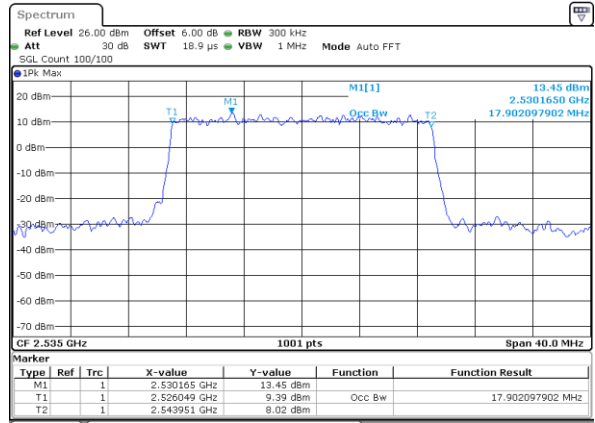
Date: 23 MAR 2022 08:31:36

Middle Channel / 20MHz / QPSK



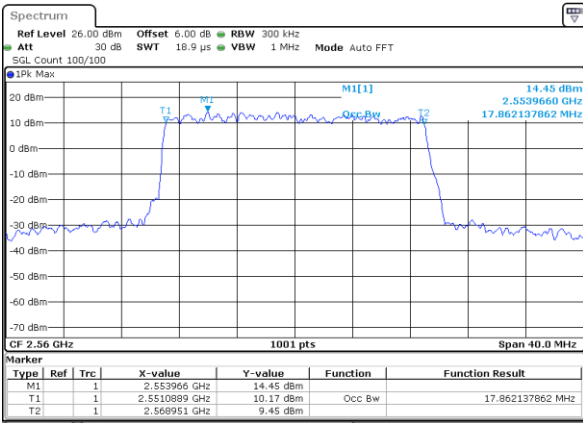
Date: 23 MAR 2022 08:34:27

Middle Channel / 20MHz / 16QAM



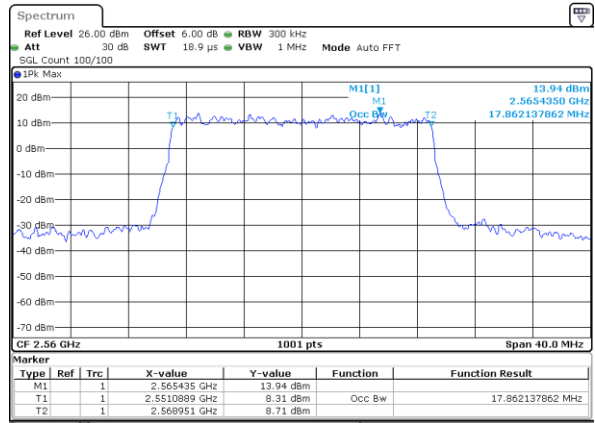
Date: 23 MAR 2022 08:34:37

Highest Channel / 20MHz / QPSK



Date: 23 MAR 2022 08:37:28

Highest Channel / 20MHz / 16QAM

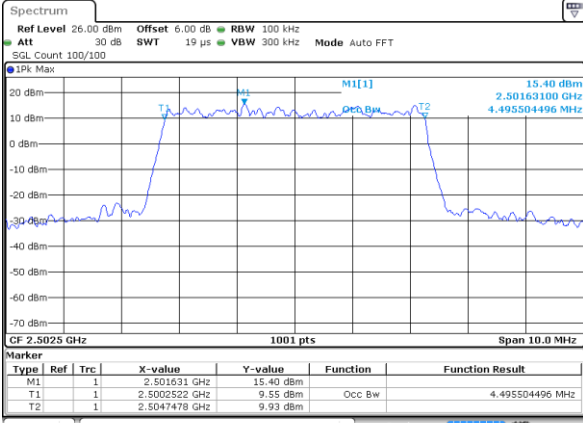


Date: 23 MAR 2022 08:37:39



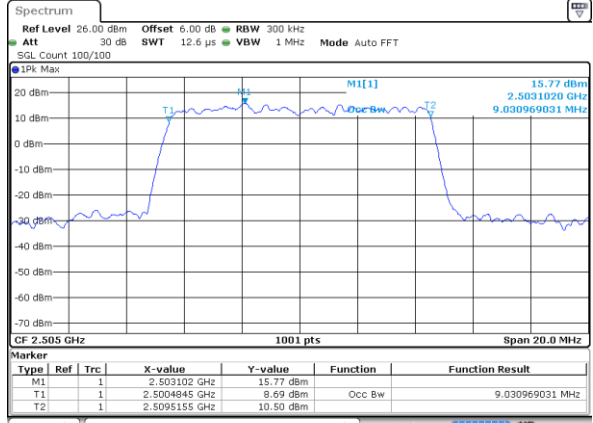
LTE Band 7

Lowest Channel / 5MHz / 64QAM



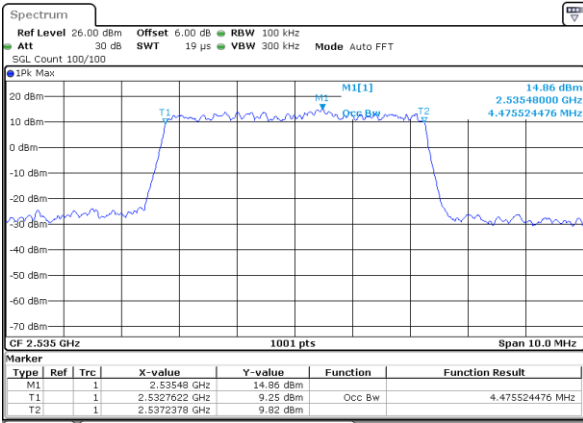
Date: 23 MAR 2022 07:59:37

Lowest Channel / 10MHz / 64QAM



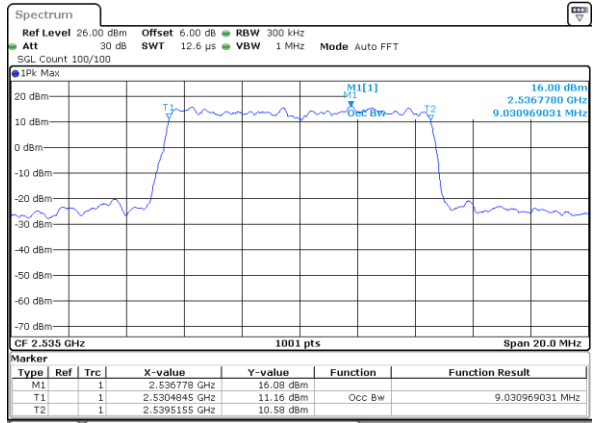
Date: 23 MAR 2022 08:13:14

Middle Channel / 5MHz / 64QAM



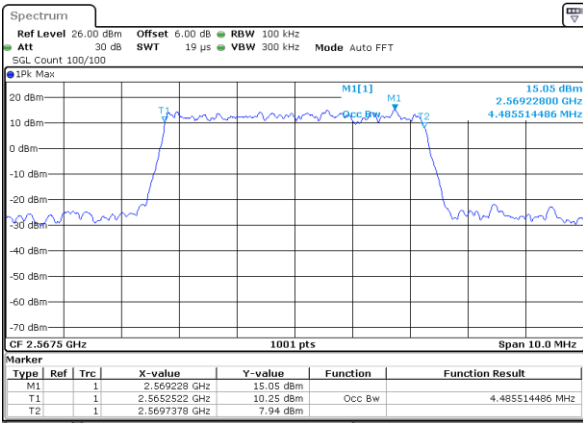
Date: 23 MAR 2022 08:01:08

Middle Channel / 10MHz / 64QAM



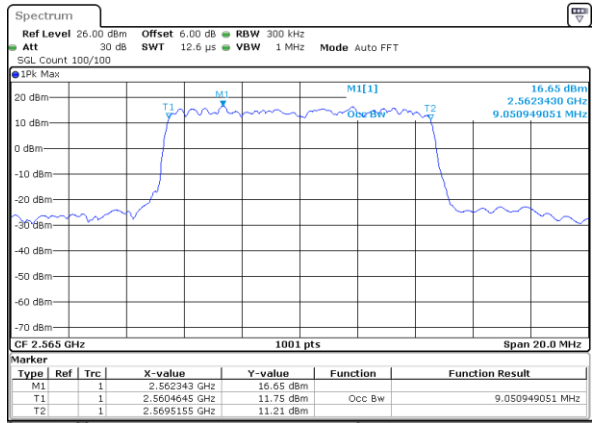
Date: 23 MAR 2022 08:14:45

Highest Channel / 5MHz / 64QAM



Date: 23 MAR 2022 08:02:38

Highest Channel / 10MHz / 64QAM

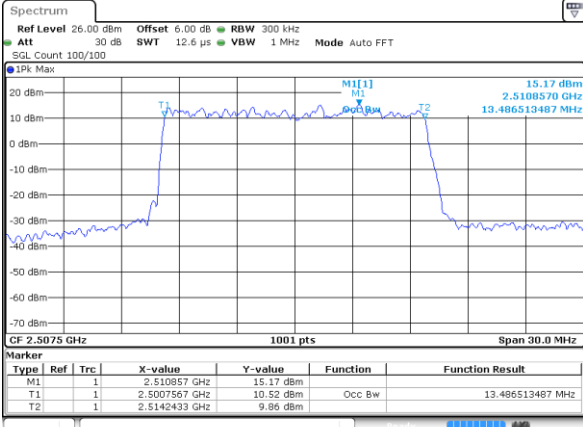


Date: 23 MAR 2022 08:16:16



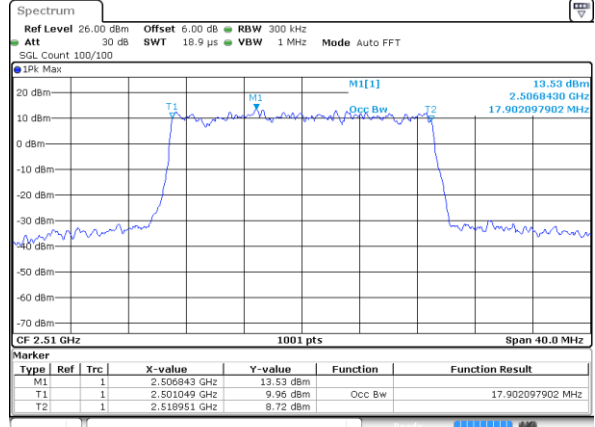
LTE Band 7

Lowest Channel / 15MHz / 64QAM



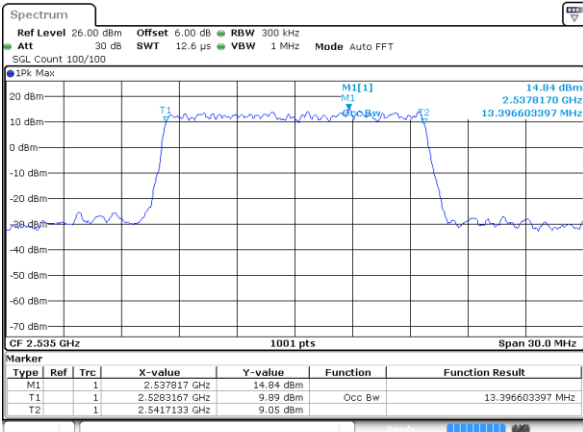
Date: 23 MAR 2022 08:26:52

Lowest Channel / 20MHz / 64QAM



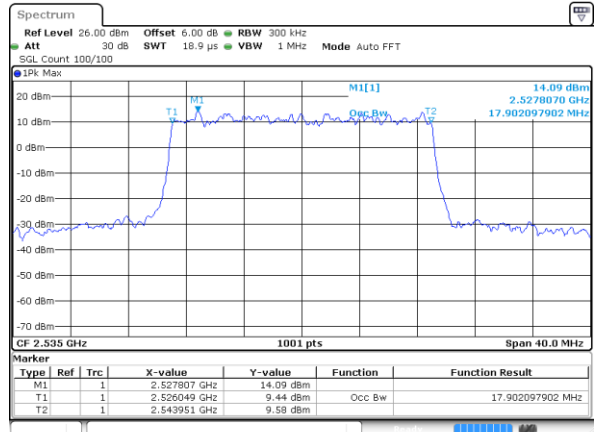
Date: 23 MAR 2022 08:40:30

Middle Channel / 15MHz / 64QAM



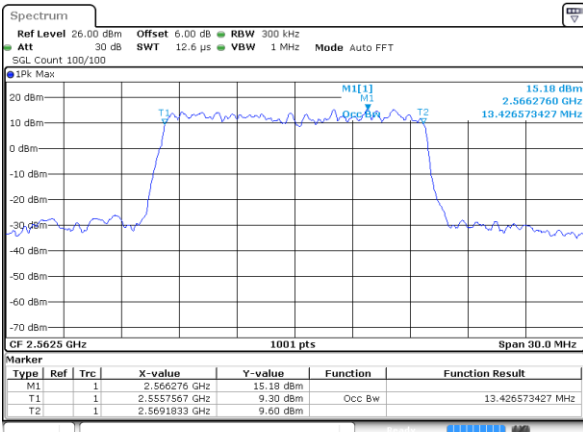
Date: 23 MAR 2022 08:28:23

Middle Channel / 20MHz / 64QAM



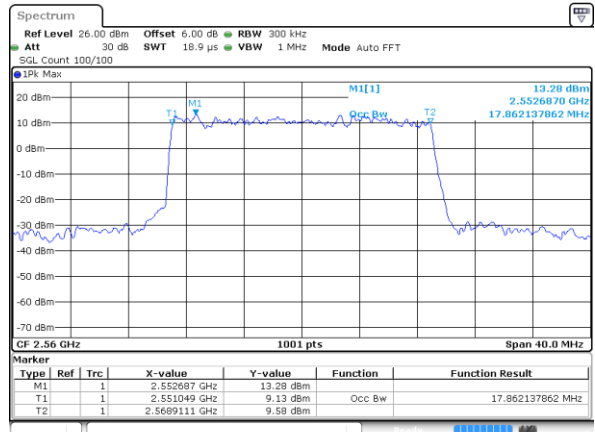
Date: 23 MAR 2022 08:42:01

Highest Channel / 15MHz / 64QAM



Date: 23 MAR 2022 08:29:54

Highest Channel / 20MHz / 64QAM



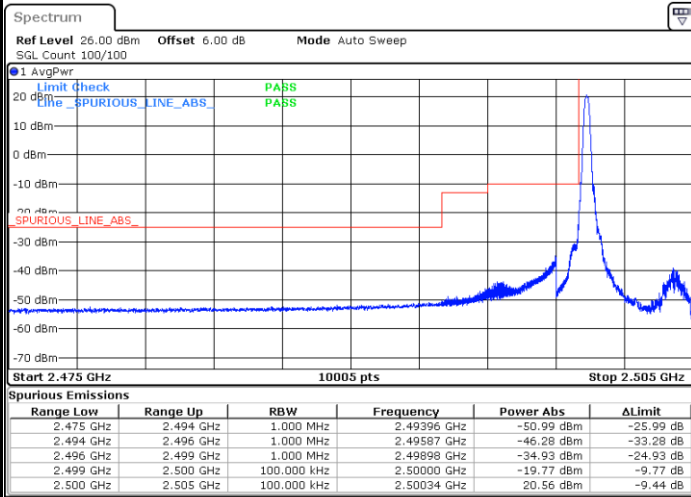
Date: 23 MAR 2022 08:43:32



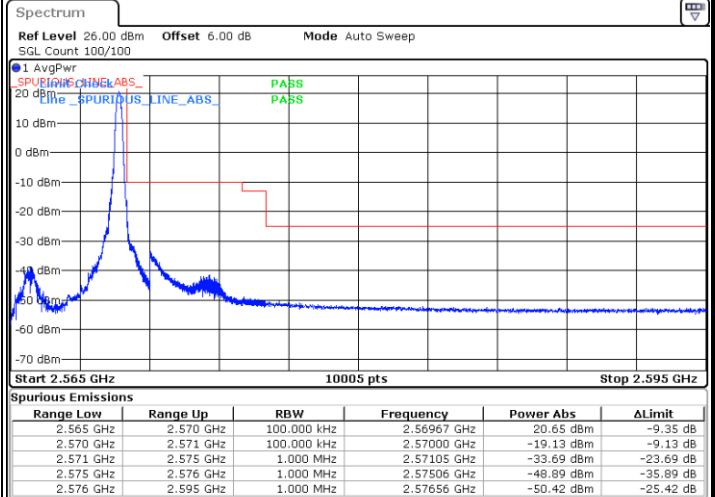
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

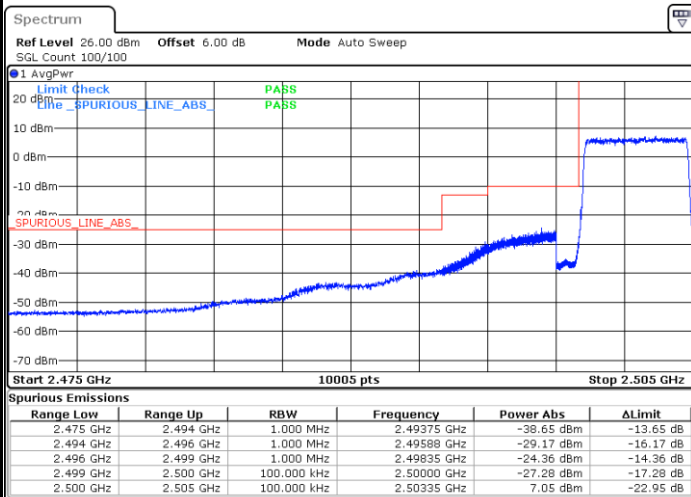
Lowest Band Edge / 1 RB



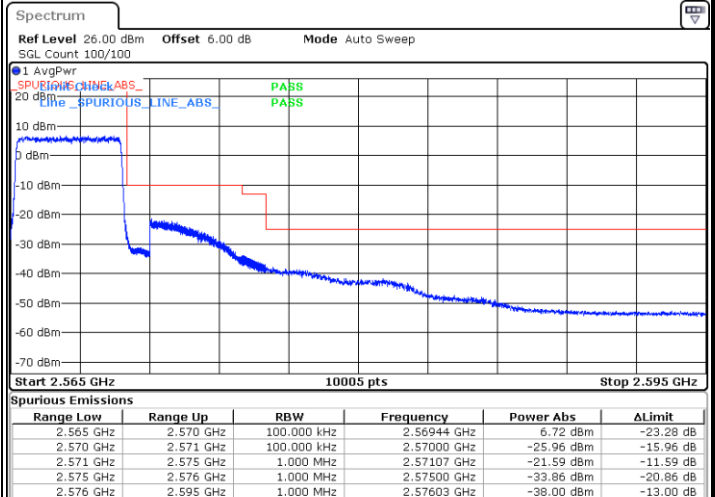
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



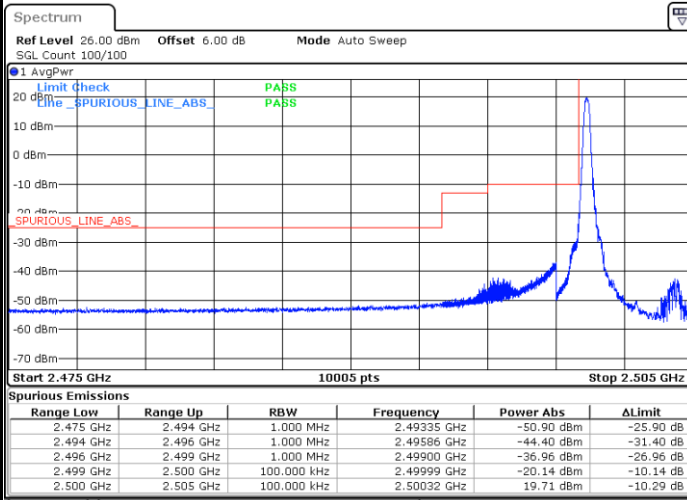
Highest Band Edge / Full RB





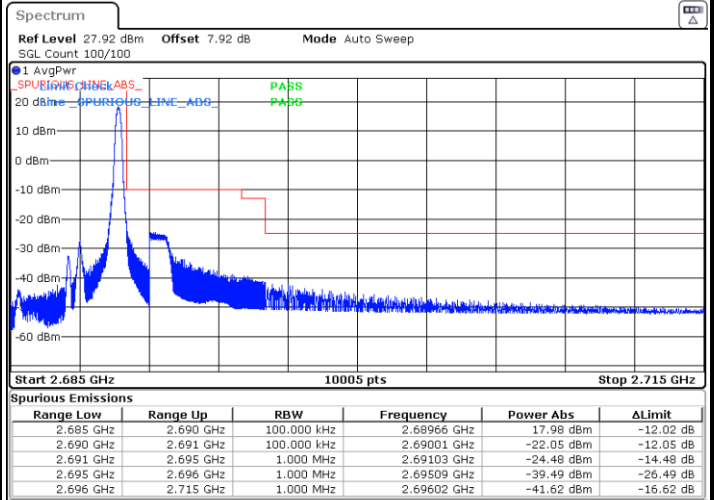
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



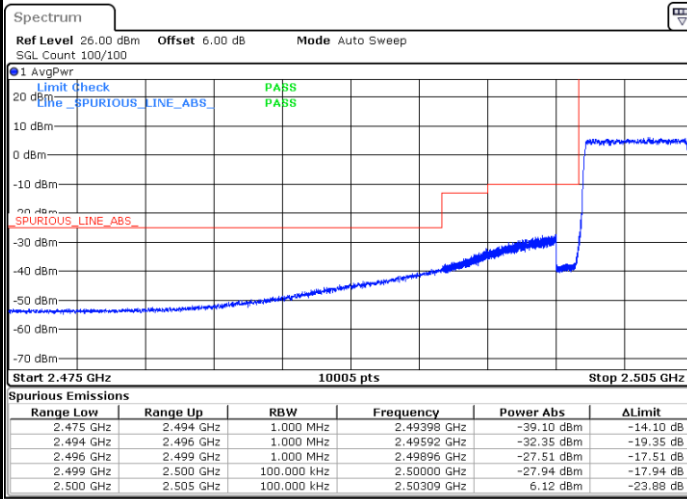
Date: 30 JAN 2022 22:41:44

Highest Band Edge / 1 RB



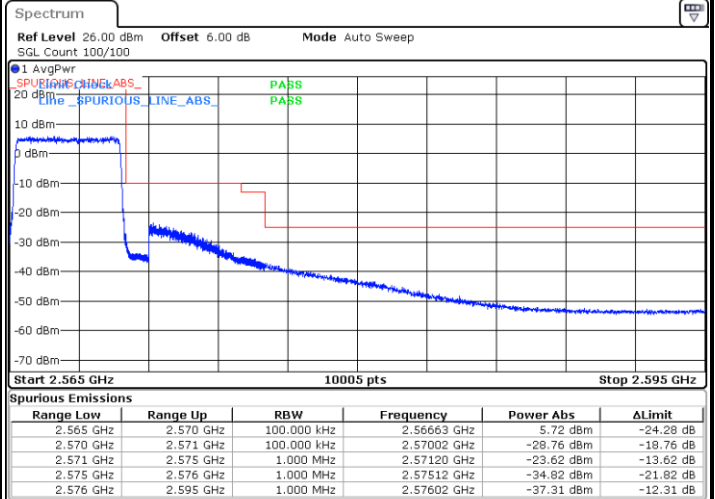
Date: 2 FEB 2022 16:37:14

Lowest Band Edge / Full RB



Date: 30 JAN 2022 22:46:47

Highest Band Edge / Full RB

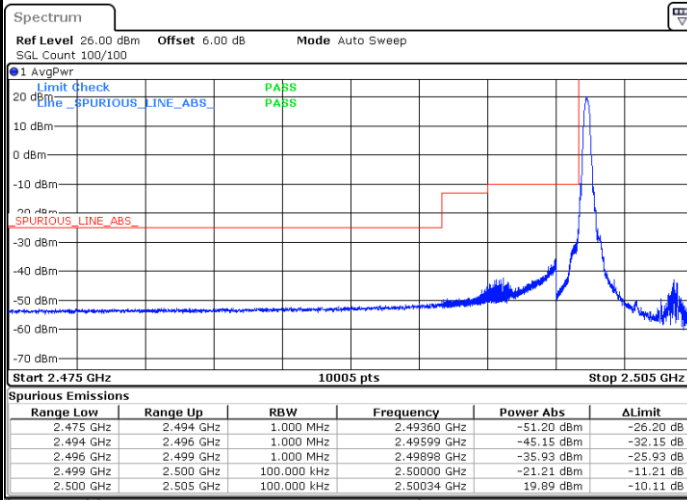


Date: 30 JAN 2022 23:00:52



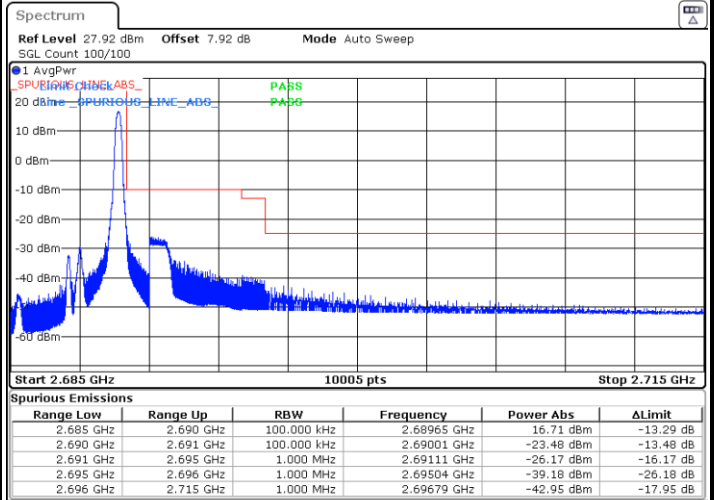
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



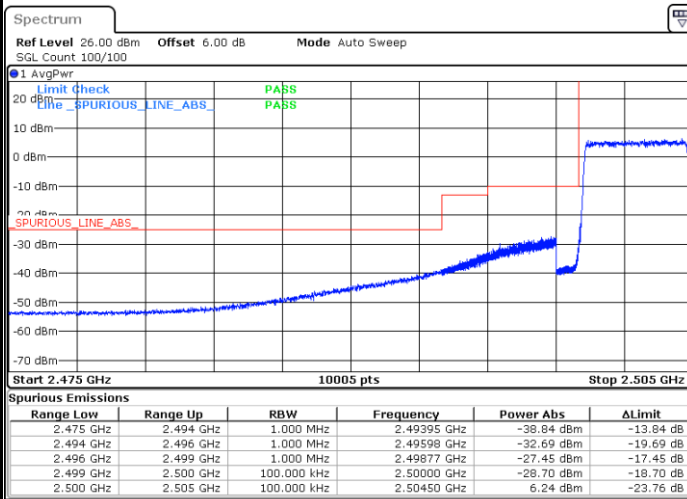
Date: 30 JAN 2022 22:43:25

Highest Band Edge / 1 RB



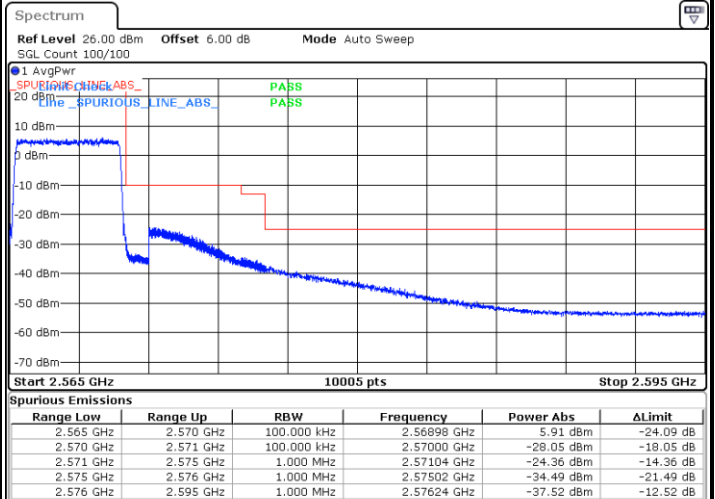
Date: 2 FEB 2022 16:38:36

Lowest Band Edge / Full RB



Date: 30 JAN 2022 22:45:06

Highest Band Edge / Full RB

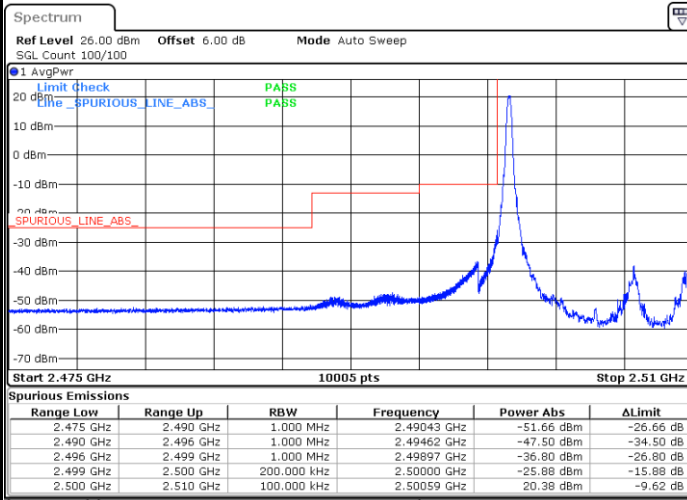


Date: 30 JAN 2022 22:59:11



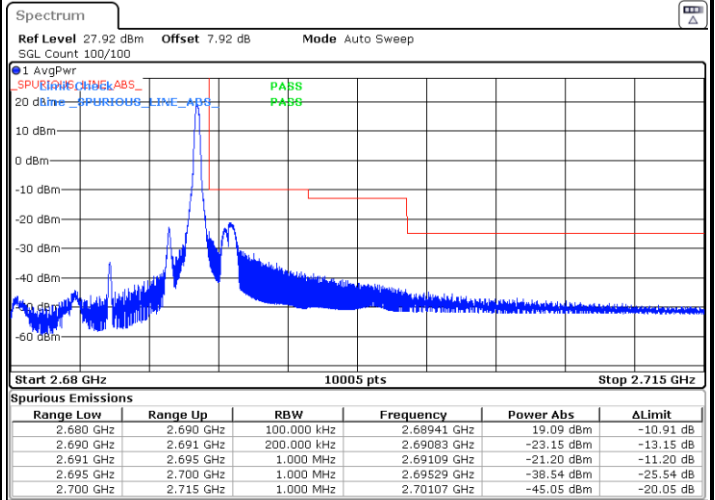
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



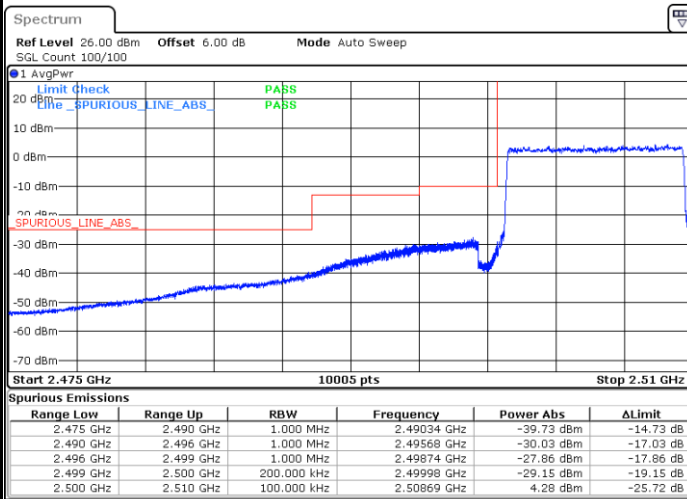
Date: 30 JAN 2022 23:06:14

Highest Band Edge / 1 RB



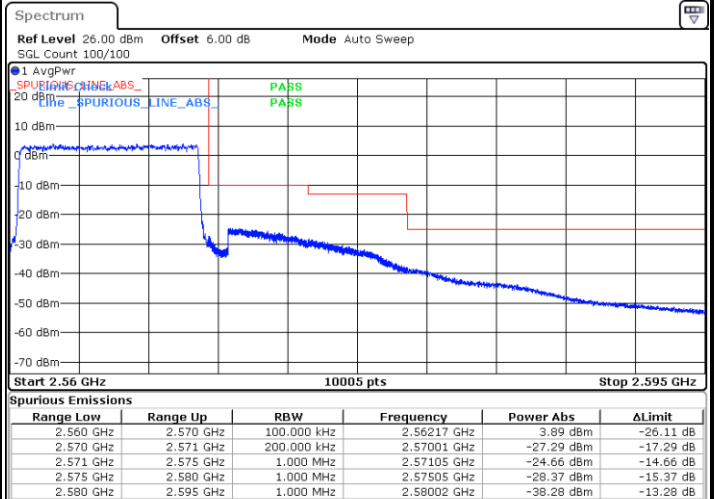
Date: 2 FEB 2022 16:57:14

Lowest Band Edge / Full RB



Date: 30 JAN 2022 23:14:37

Highest Band Edge / Full RB

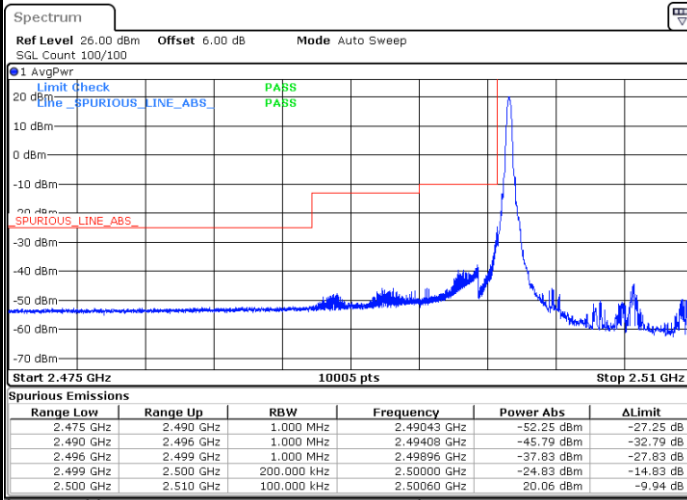


Date: 30 JAN 2022 23:37:26



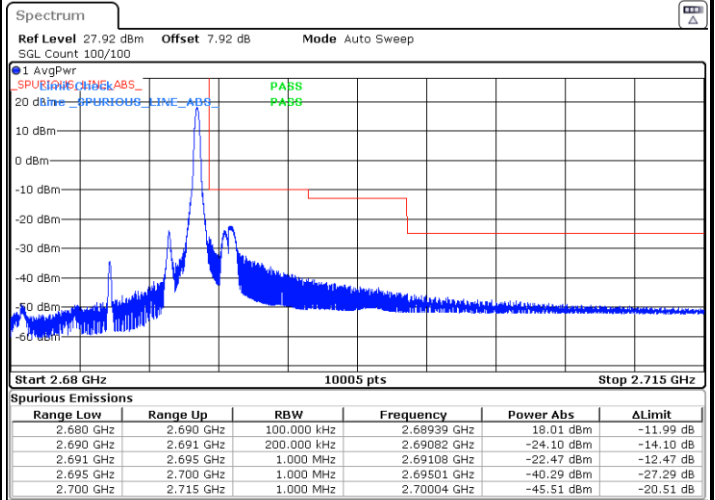
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



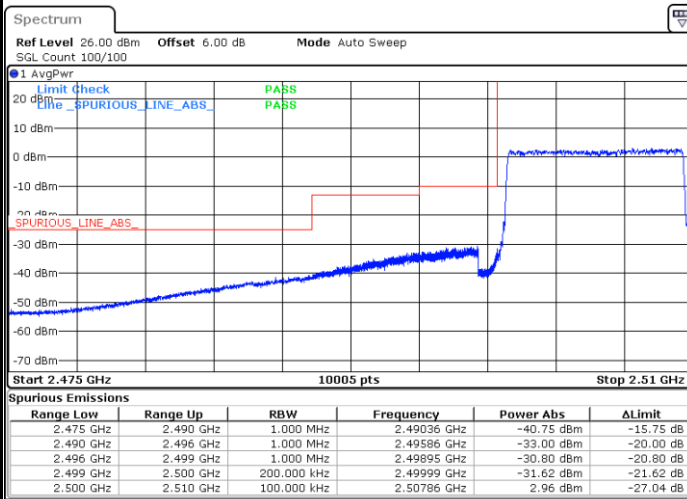
Date: 30 JAN 2022 23:07:55

Highest Band Edge / 1 RB



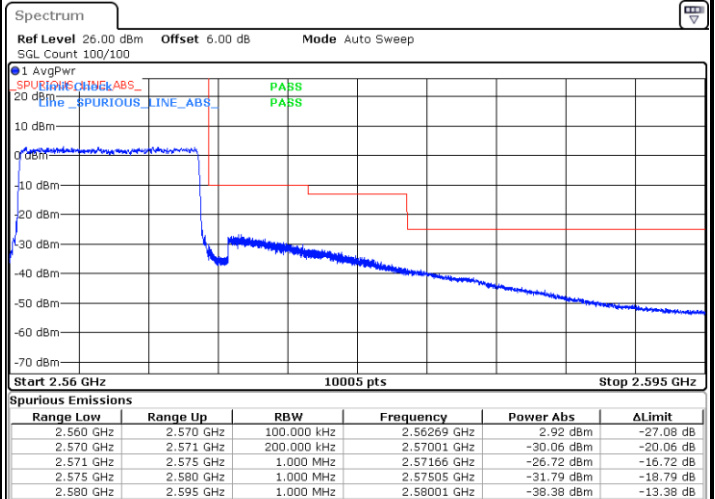
Date: 2 FEB 2022 16:58:36

Lowest Band Edge / Full RB



Date: 30 JAN 2022 23:12:57

Highest Band Edge / Full RB



Date: 30 JAN 2022 23:35:46