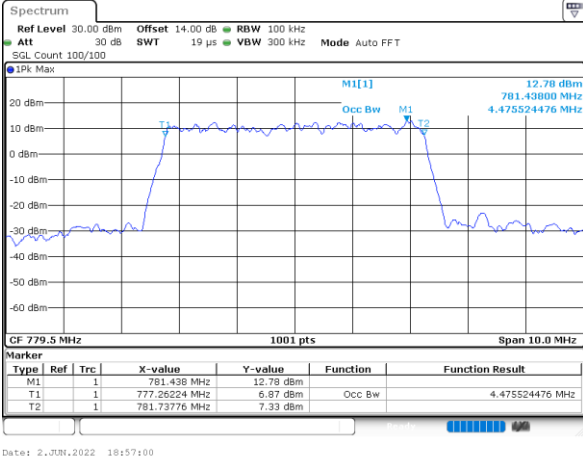




LTE Band 13

Lowest Channel / 5MHz / 64QAM

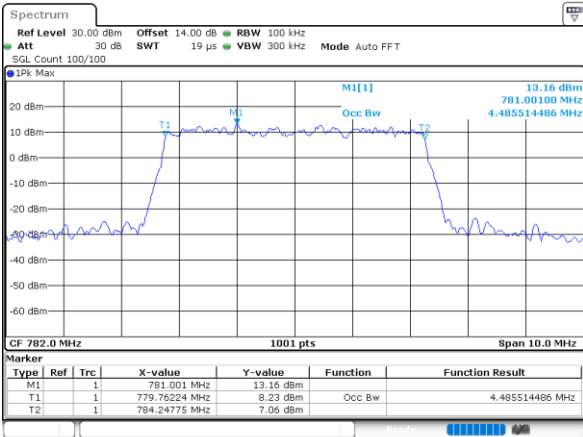
N/A



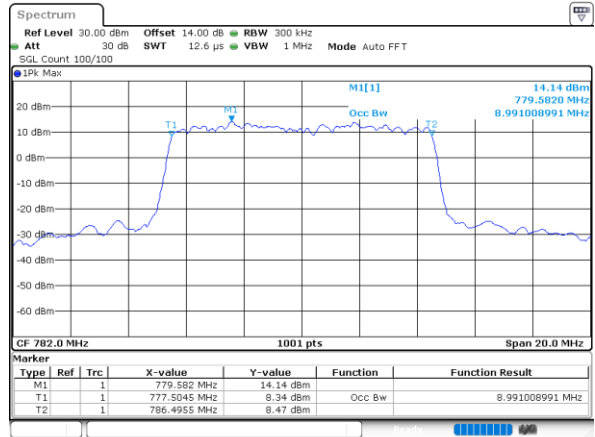
Date: 2 JUN 2022 18:57:00

Middle Channel / 5MHz / 64QAM

Middle Channel / 10MHz / 64QAM



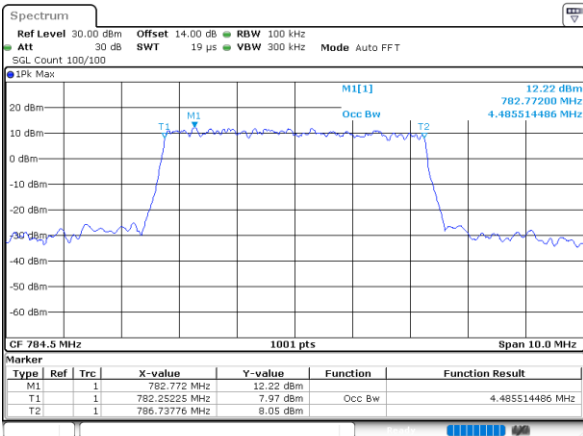
Date: 2 JUN 2022 19:04:46



Date: 2 JUN 2022 19:27:01

Highest Channel / 5MHz / 64QAM

N/A



Date: 2 JUN 2022 19:05:10

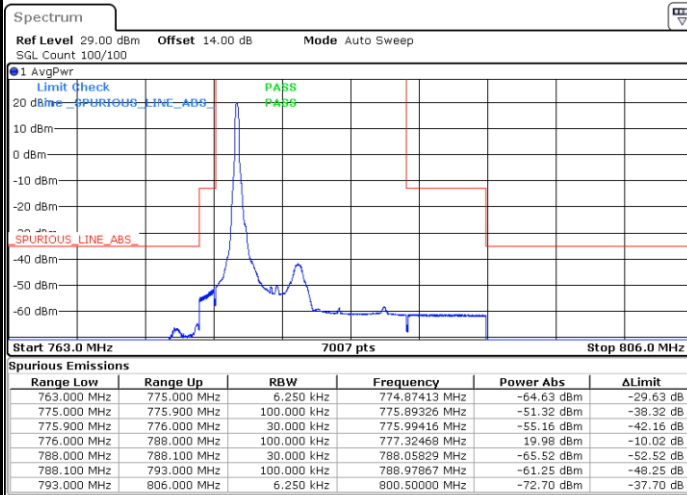
N/A



Conducted Band Edge

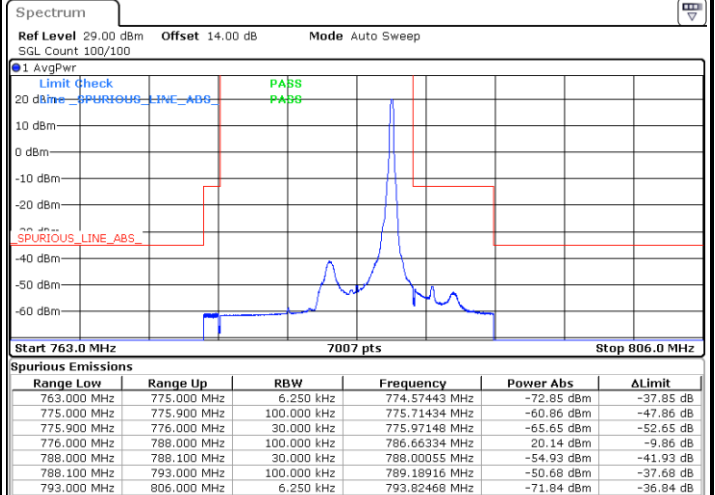
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



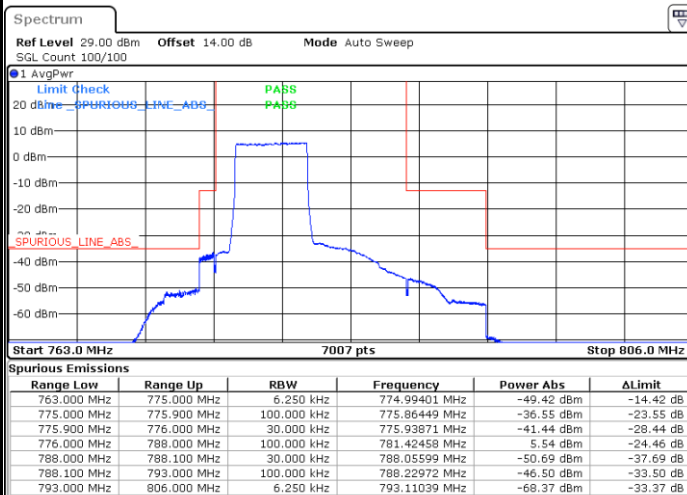
Date: 2 JUN, 2022 18:36:18

Highest Band Edge / 1 RB



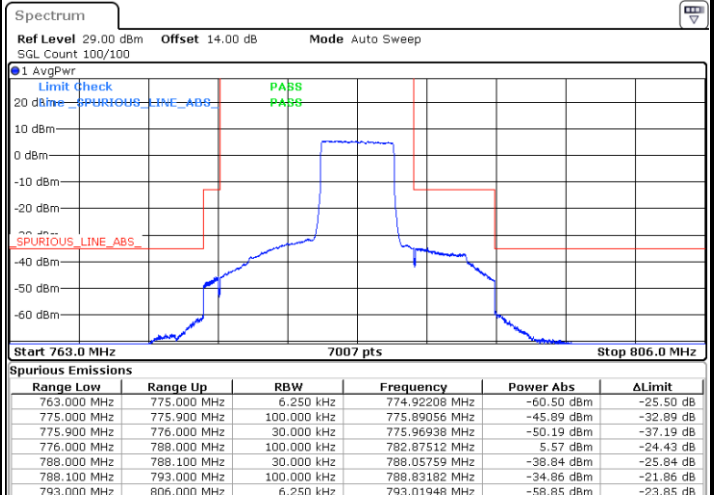
Date: 2 JUN, 2022 18:53:11

Lowest Band Edge / Full RB



Date: 2 JUN, 2022 18:30:40

Highest Band Edge / Full RB



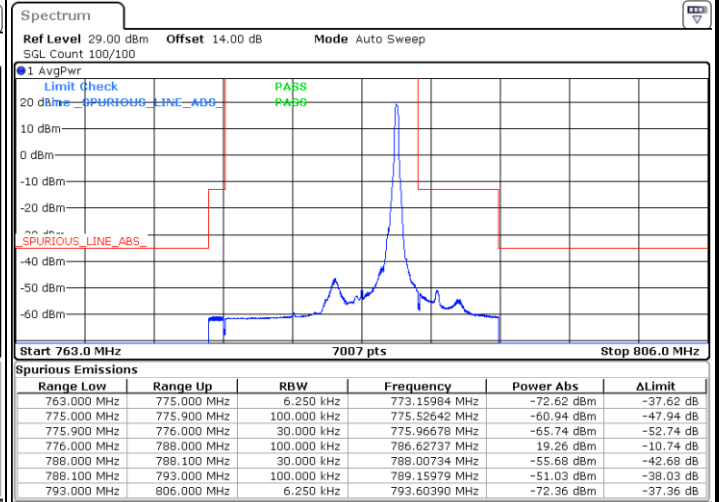
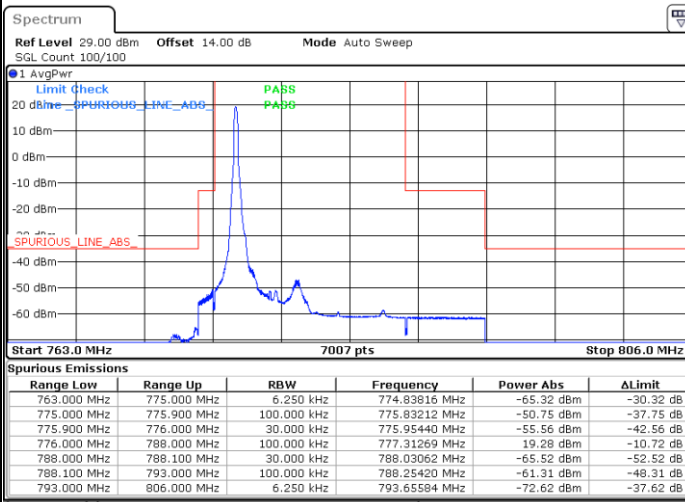
Date: 2 JUN, 2022 18:47:34



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

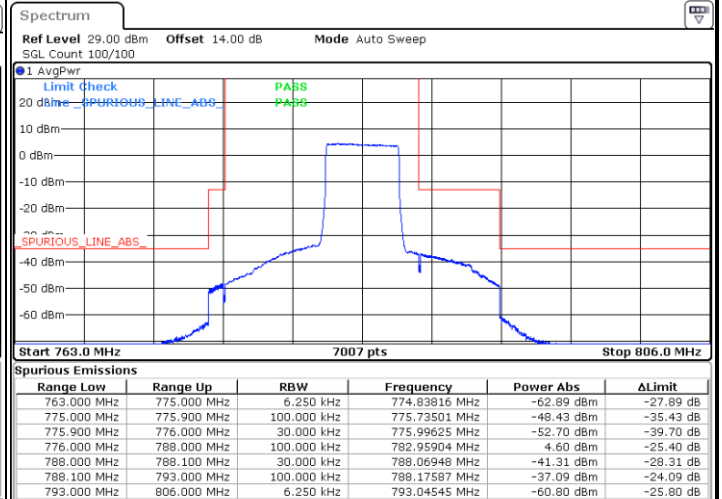
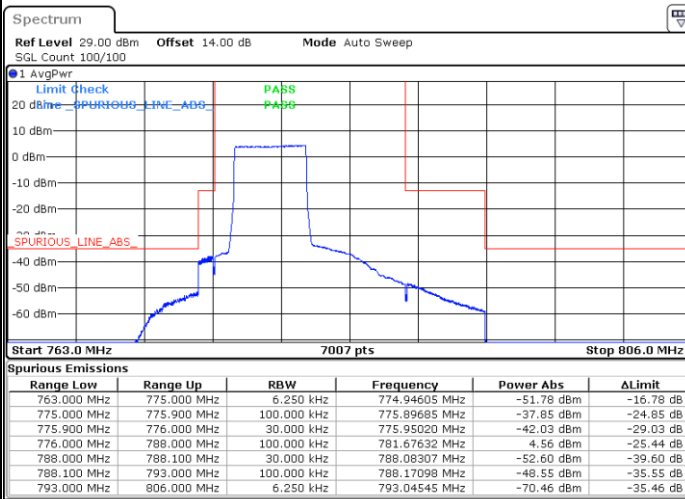


Date: 2 JUN, 2022 18:34:25

Date: 2 JUN, 2022 18:51:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2 JUN, 2022 18:32:33

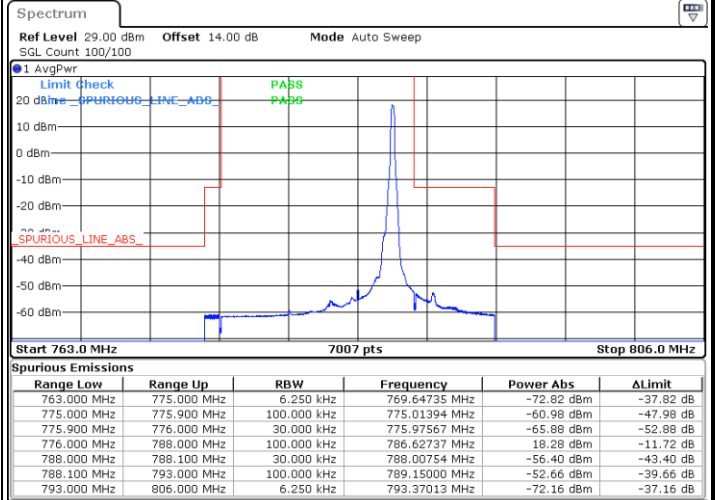
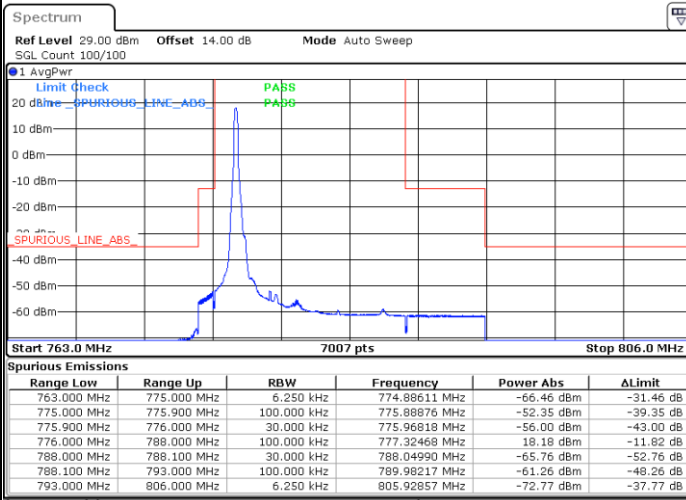
Date: 2 JUN, 2022 18:49:27



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

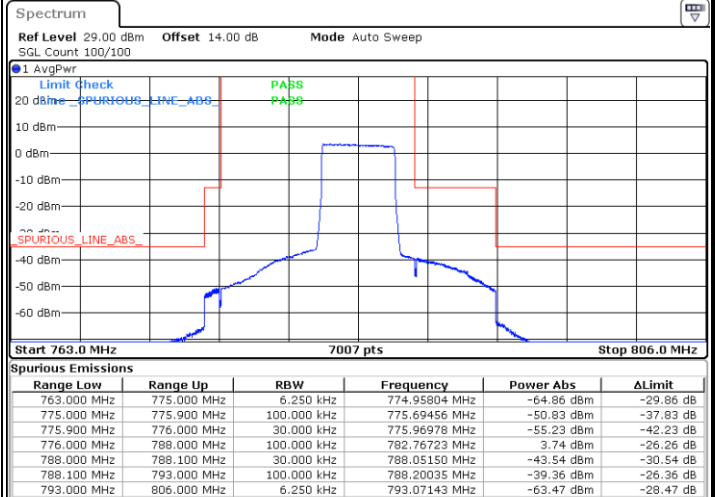
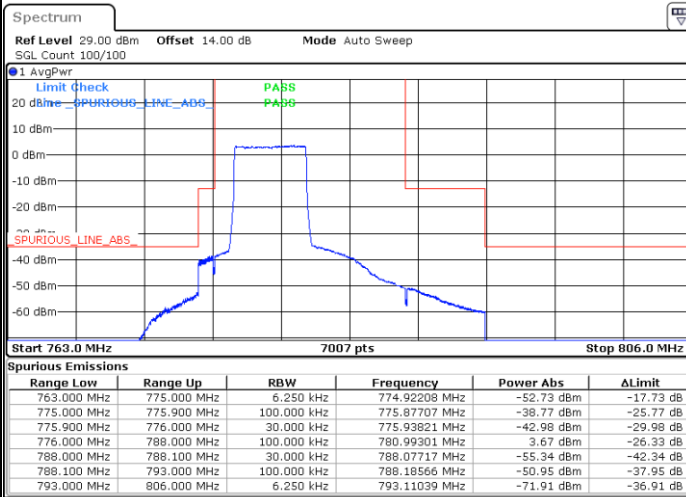


Date: 2 JUN, 2022 19:00:52

Date: 2 JUN, 2022 19:09:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2 JUN, 2022 18:59:00

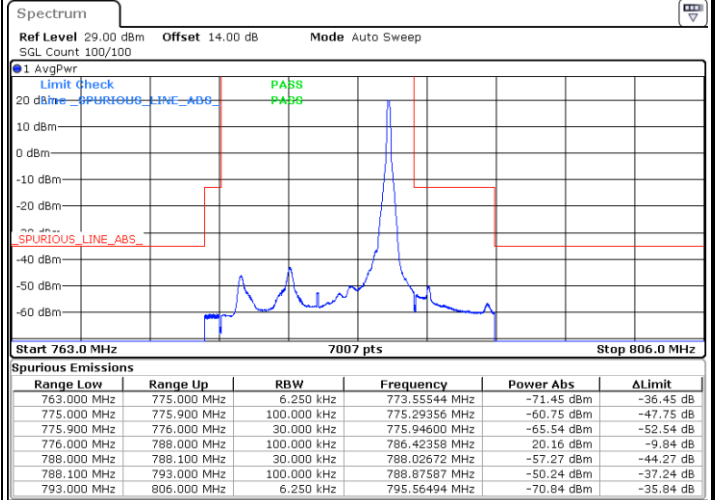
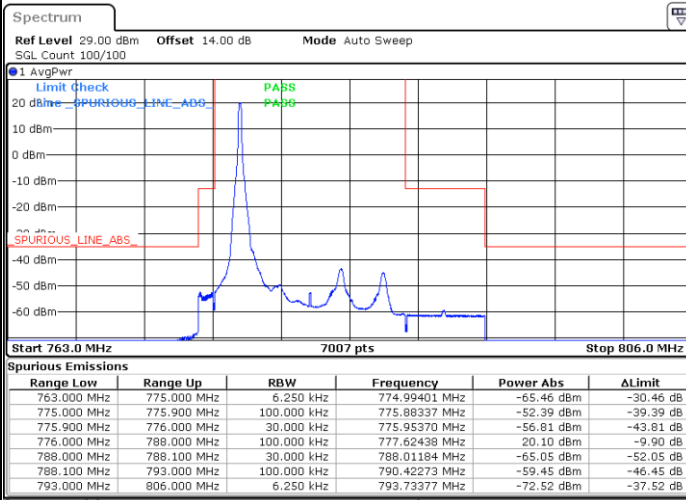
Date: 2 JUN, 2022 19:07:09



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

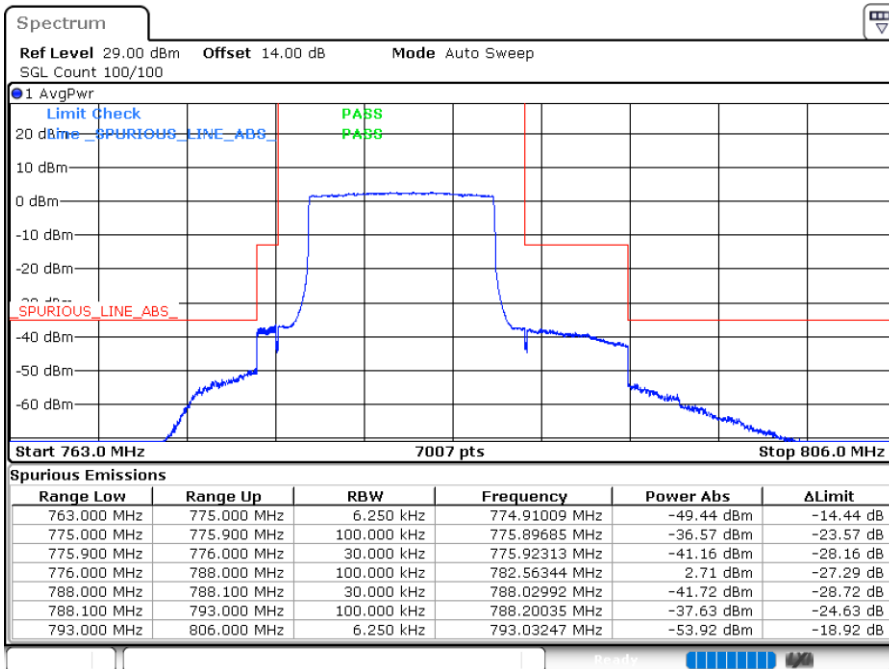
Highest Band Edge / 1 RB



Date: 2 JUN, 2022 19:19:30

Date: 2 JUN, 2022 19:21:22

Band Edge / Full RB



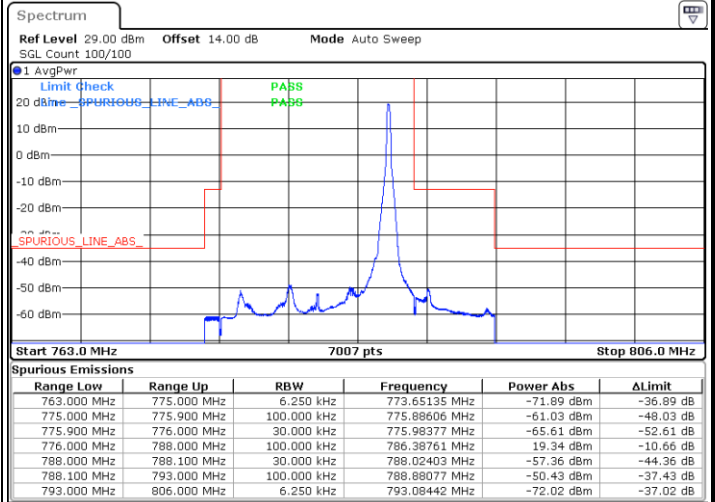
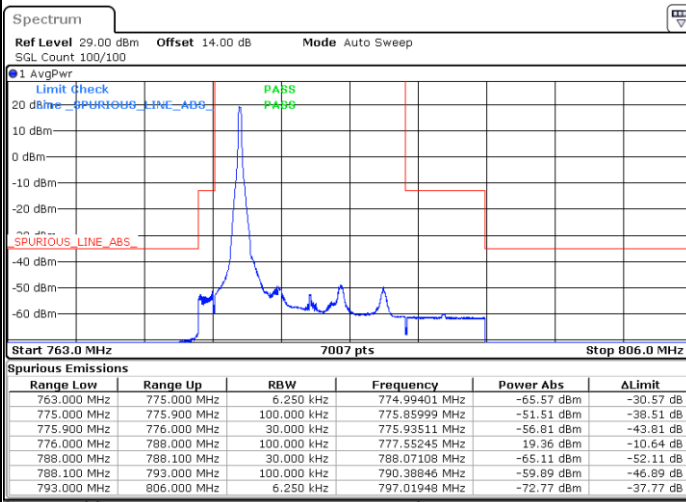
Date: 2 JUN, 2022 19:13:54



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

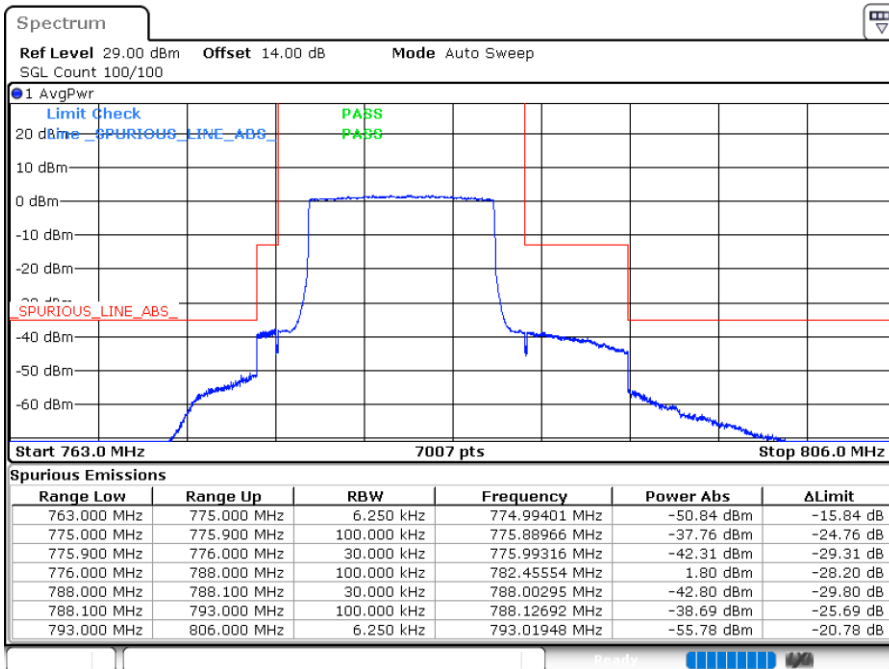
Highest Band Edge / 1 RB



Date: 2 JUN. 2022 19:17:38

Date: 2 JUN. 2022 19:23:14

Band Edge / Full RB

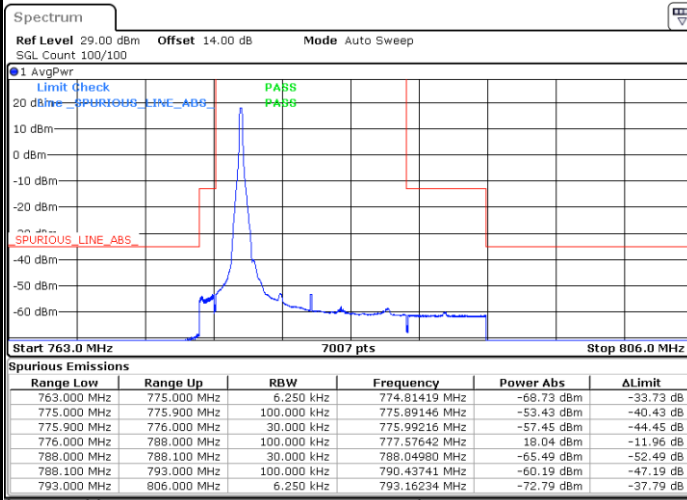


Date: 2 JUN. 2022 19:15:46



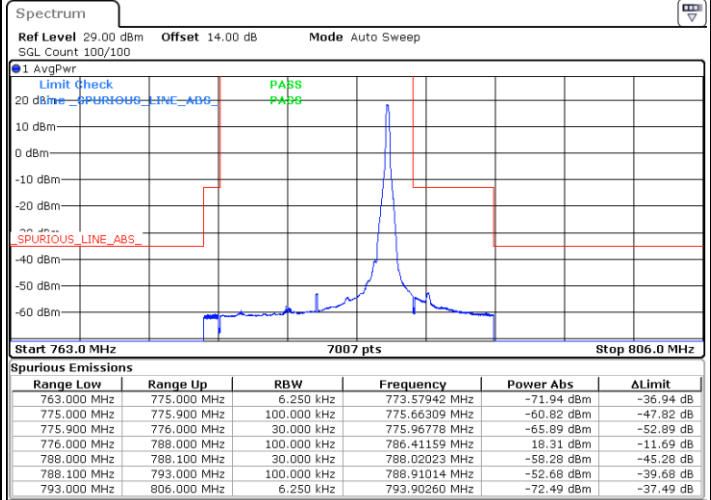
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



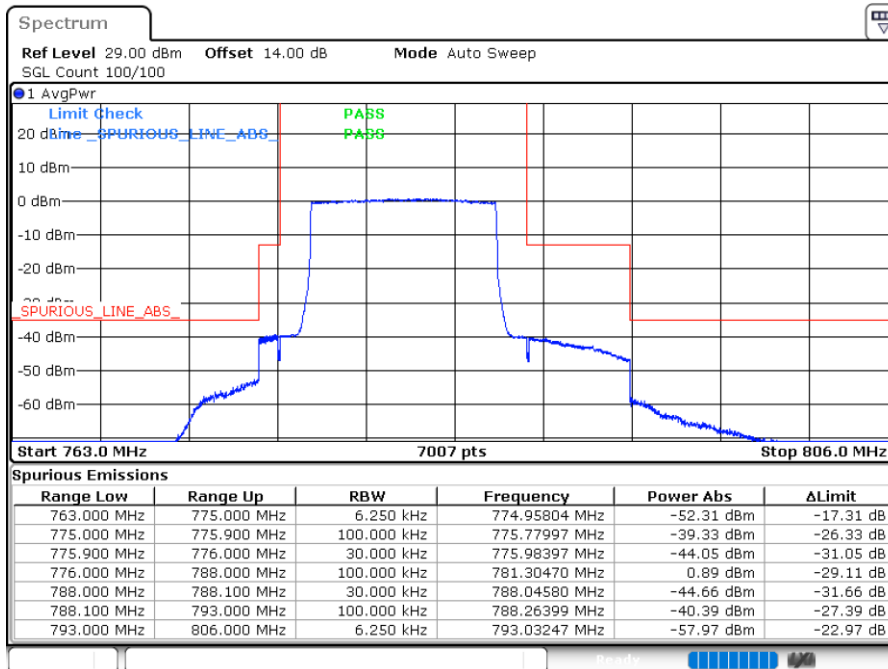
Date: 2 JUN, 2022 19:30:52

Highest Band Edge / 1 RB



Date: 2 JUN, 2022 19:32:44

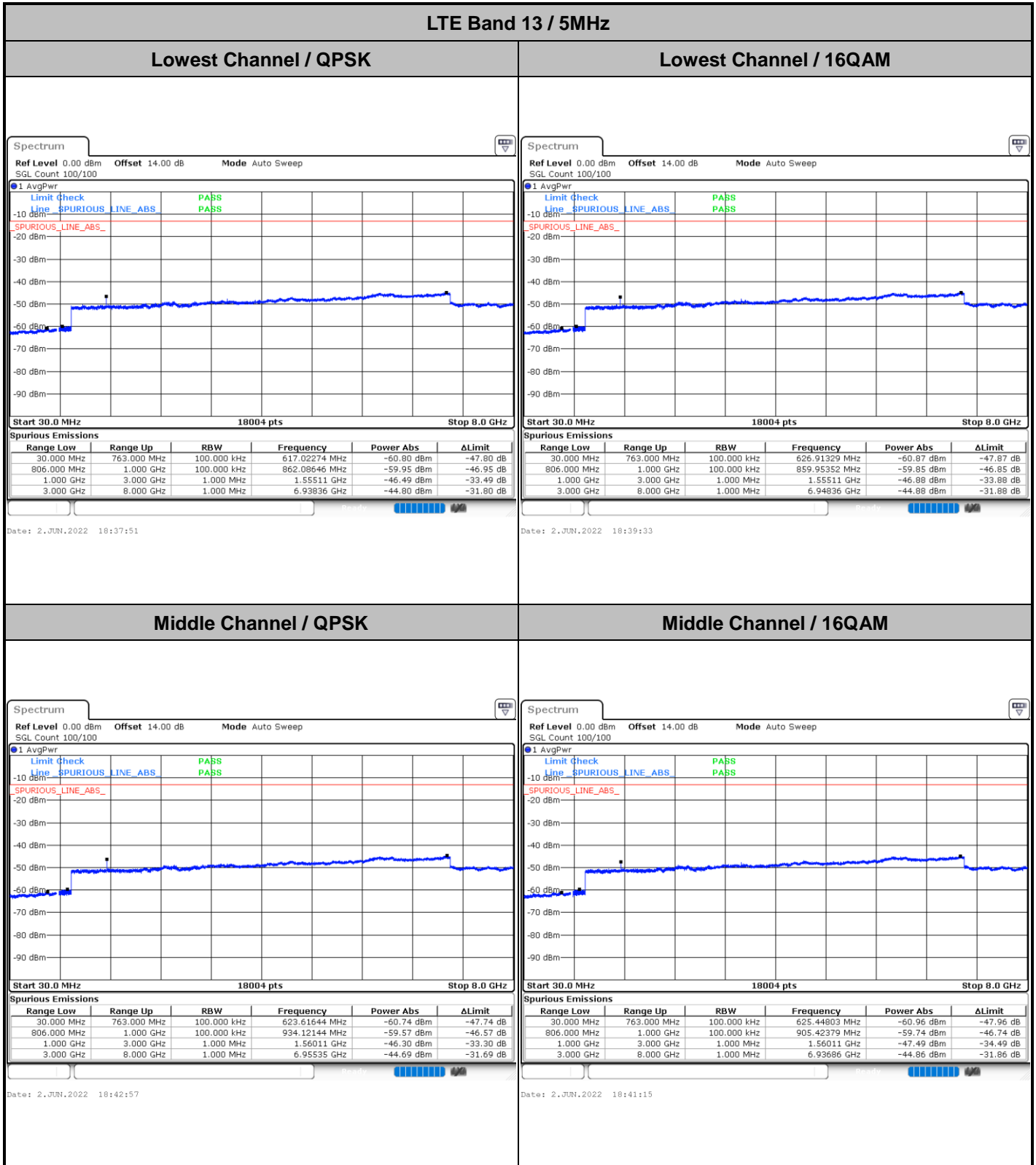
Band Edge / Full RB



Date: 2 JUN, 2022 19:29:00



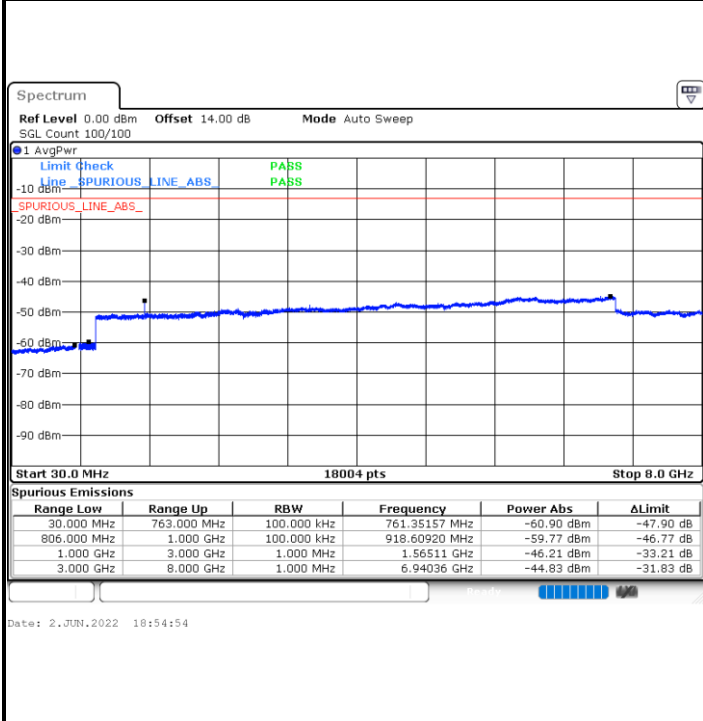
Conducted Spurious Emission



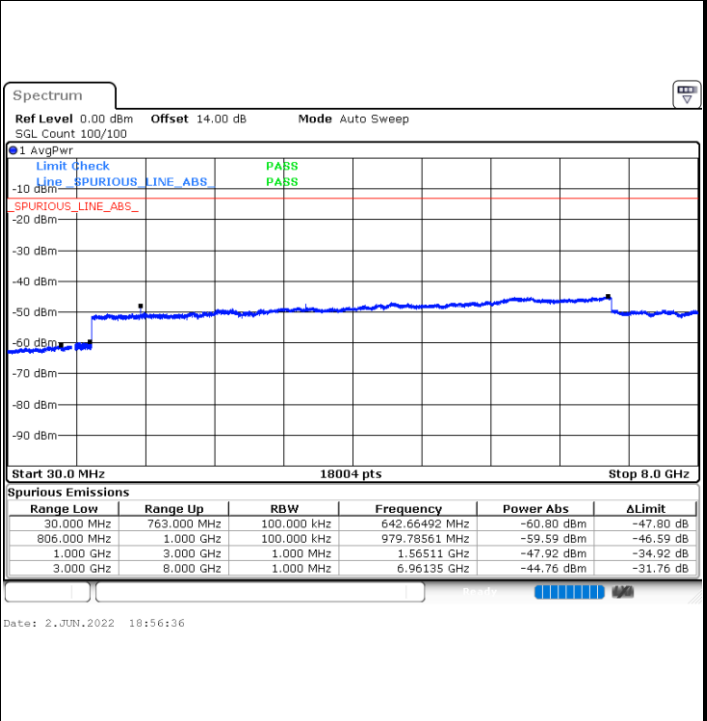


LTE Band 13 / 5MHz

Highest Channel / QPSK

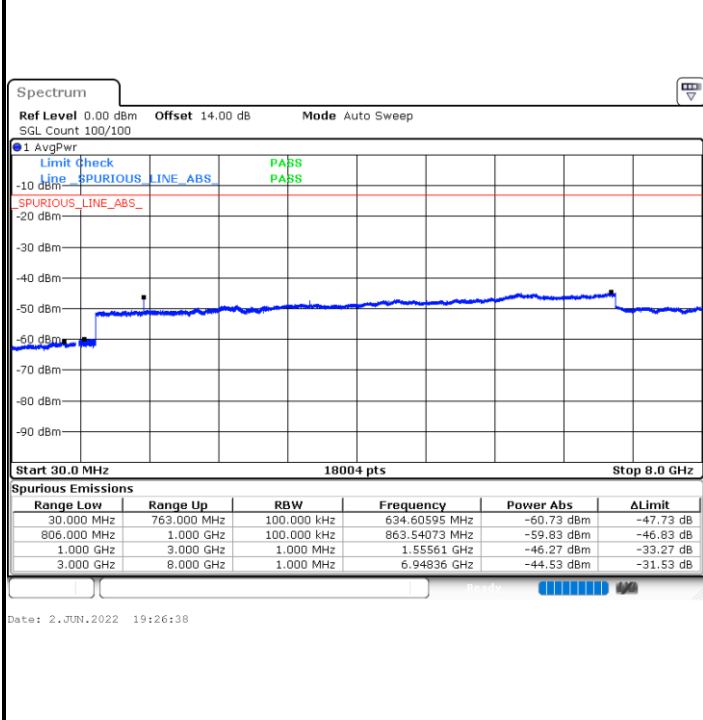


Highest Channel / 16QAM

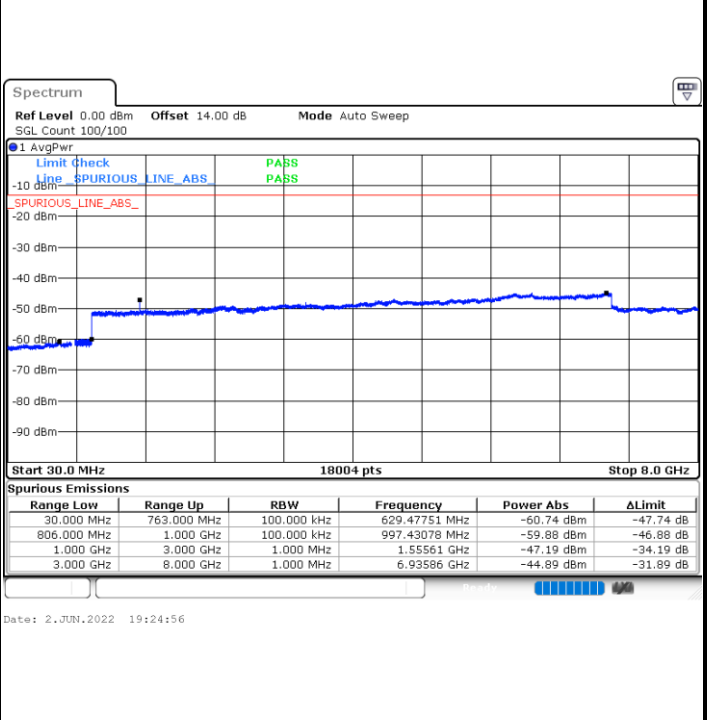


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

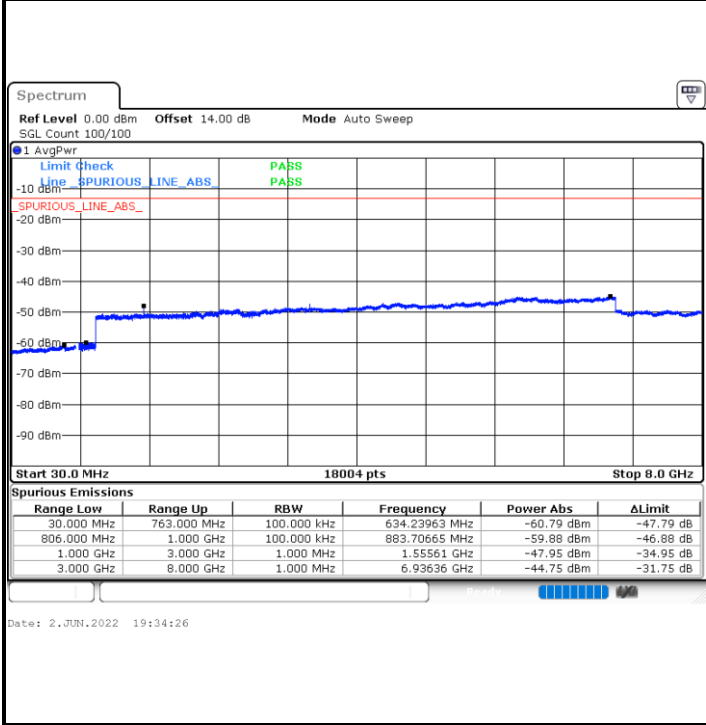




LTE Band 13 / 10MHz

Middle Channel / 64QAM

N/A



N/A



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	0.0004	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0114	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0101	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

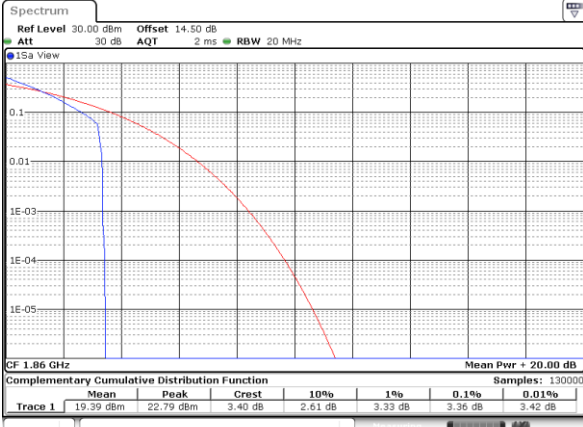
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.36	4.70	4.87	5.59	PASS
Middle CH	3.30	4.64	4.96	5.68	
Highest CH	3.30	4.70	4.90	5.74	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.49	6.32	-	-	PASS
Middle CH	6.38	6.29	-	-	
Highest CH	5.77	6.35	-	-	



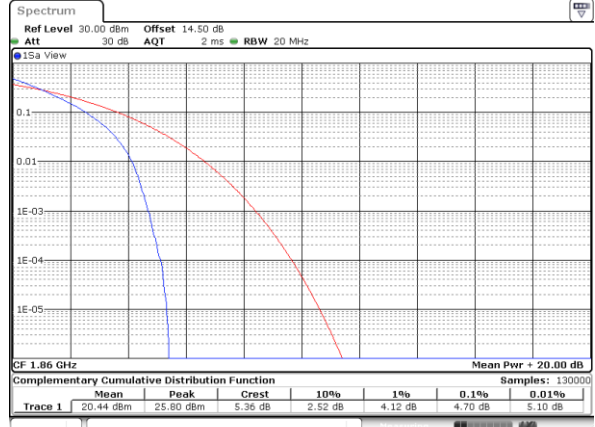
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



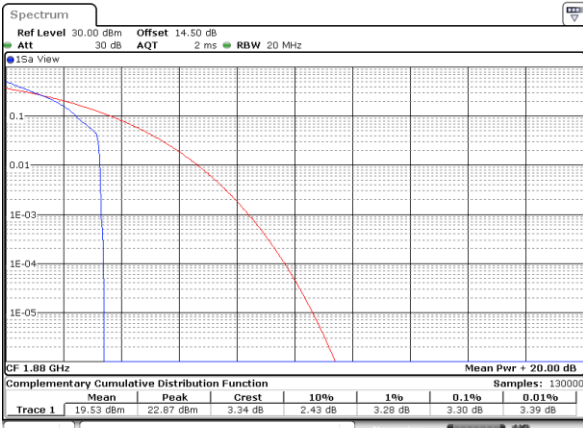
Date: 1 JUN 2022 01:24:23

Lowest Channel / Full RB



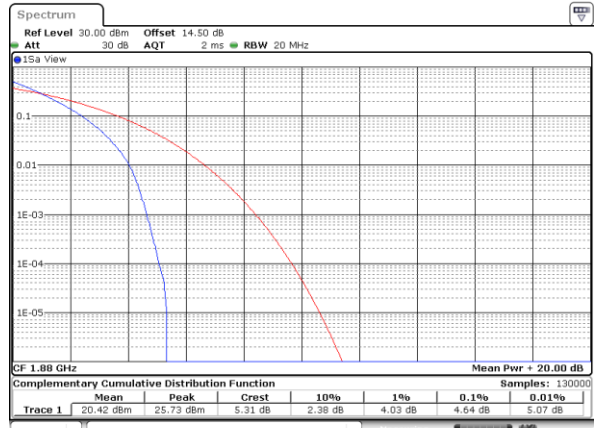
Date: 1 JUN 2022 01:24:49

Middle Channel / 1RB



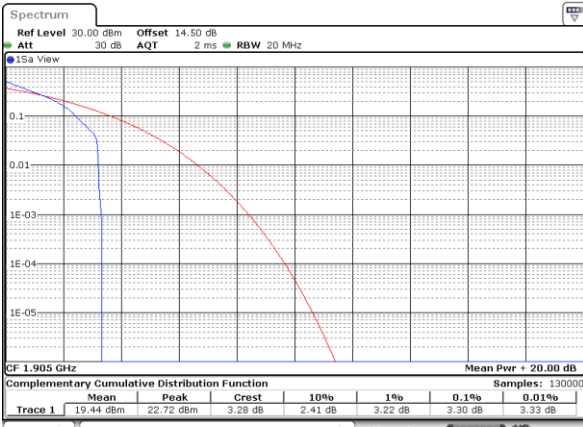
Date: 1 JUN 2022 01:26:06

Middle Channel / Full RB



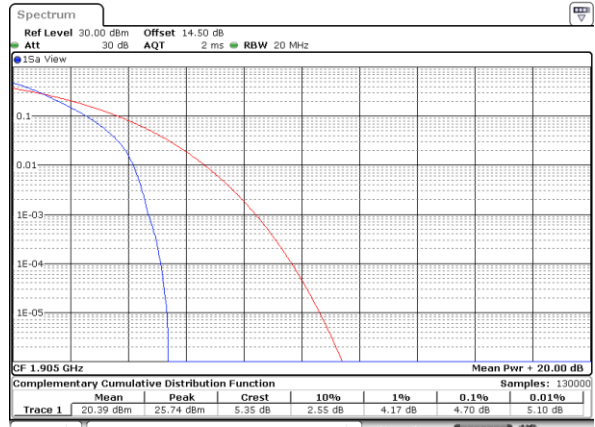
Date: 1 JUN 2022 01:26:32

Highest Channel / 1RB



Date: 1 JUN 2022 01:27:49

Highest Channel / Full RB

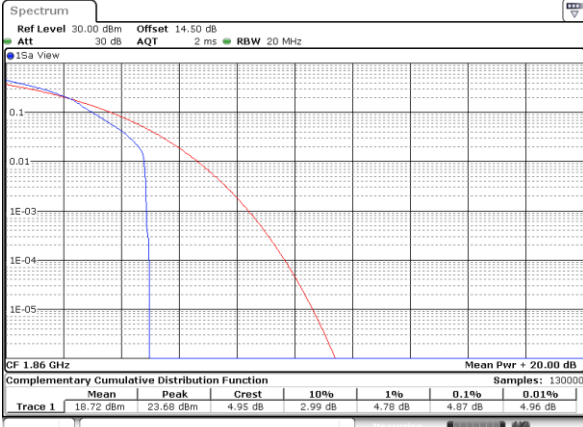


Date: 1 JUN 2022 01:28:15



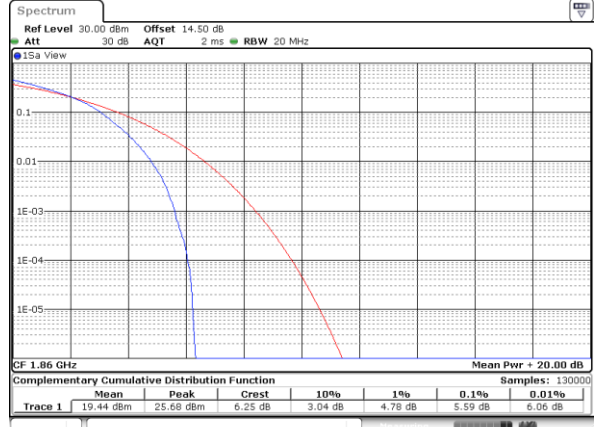
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



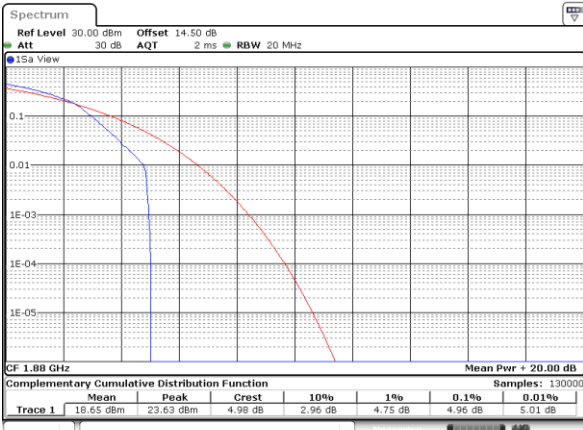
Date: 1 JUN 2022 01:23:31

Lowest Channel / Full RB



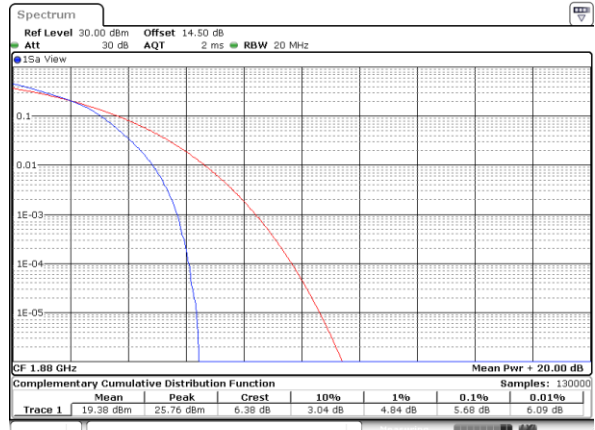
Date: 1 JUN 2022 01:23:57

Middle Channel / 1RB



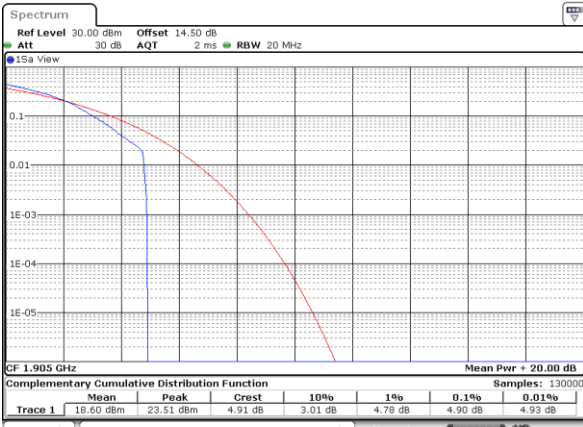
Date: 1 JUN 2022 01:25:15

Middle Channel / Full RB



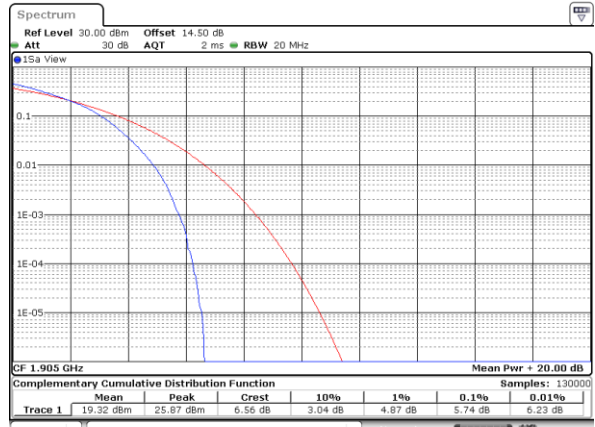
Date: 1 JUN 2022 01:25:40

Highest Channel / 1RB



Date: 1 JUN 2022 01:26:57

Highest Channel / Full RB

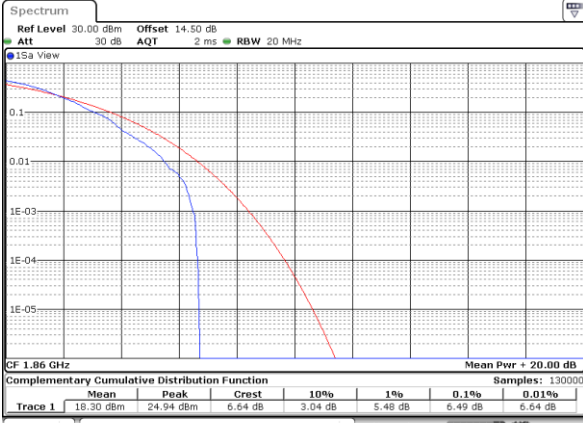


Date: 1 JUN 2022 01:27:23



LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



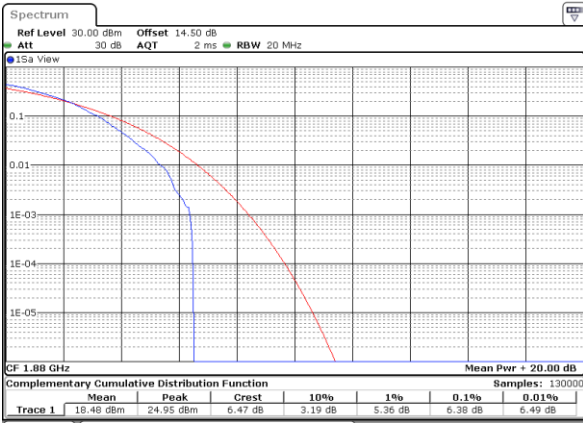
Date: 9 JUN 2022 19:43:25

Lowest Channel / Full RB



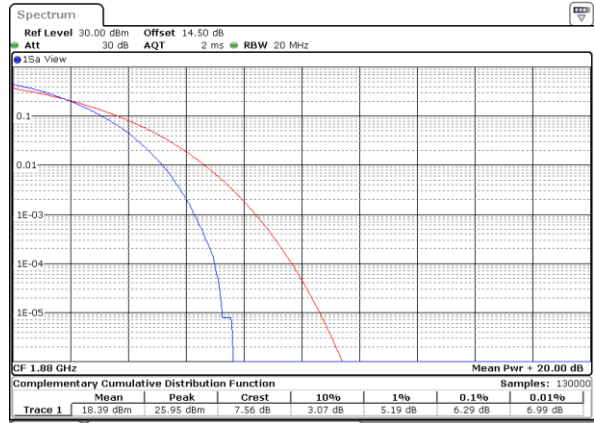
Date: 1 JUN 2022 01:21:22

Middle Channel / 1RB



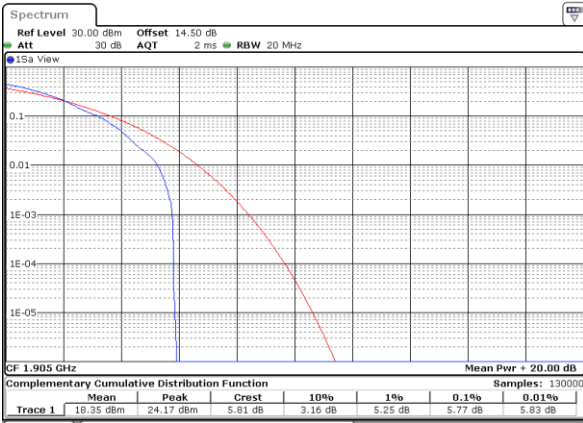
Date: 9 JUN 2022 19:45:20

Middle Channel / Full RB



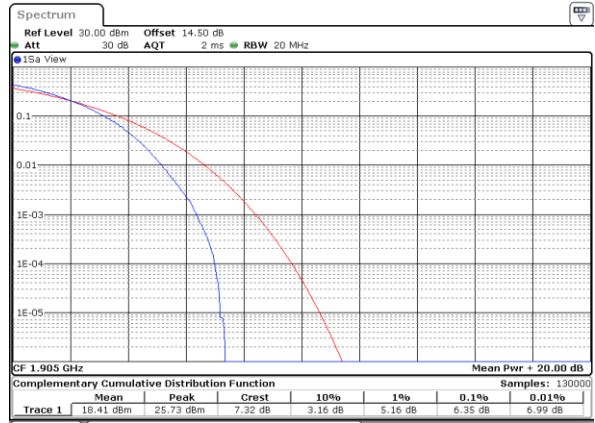
Date: 1 JUN 2022 01:22:14

Highest Channel / 1RB



Date: 9 JUN 2022 19:47:15

Highest Channel / Full RB



Date: 1 JUN 2022 01:23:05



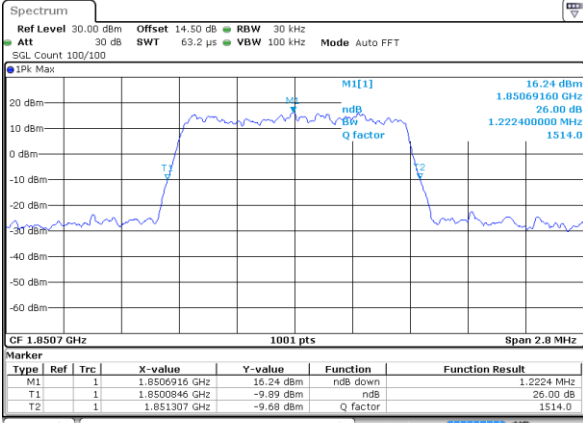
26dB Bandwidth

Mode	LTE Band 25 : 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	1.22	1.24	3.04	2.99	4.83	4.93	9.75	9.81	14.39	14.45	18.90	18.62
Middle CH	1.22	1.23	3.02	3.02	4.91	4.87	9.83	9.87	14.21	14.54	19.22	19.10
Highest CH	1.23	1.22	3.07	2.97	4.90	4.92	9.71	9.83	14.21	14.36	18.90	19.10
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.04	-	4.85	-	9.97	-	14.45	-	18.94	-
Middle CH	1.23	-	2.99	-	4.92	-	9.77	-	14.33	-	19.14	-
Highest CH	1.22	-	2.99	-	4.91	-	9.77	-	14.30	-	19.14	-



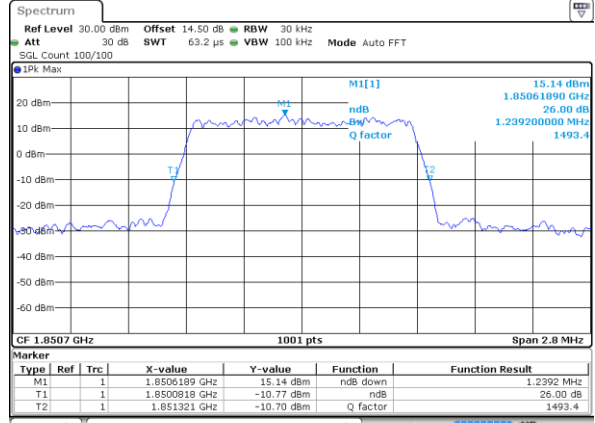
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



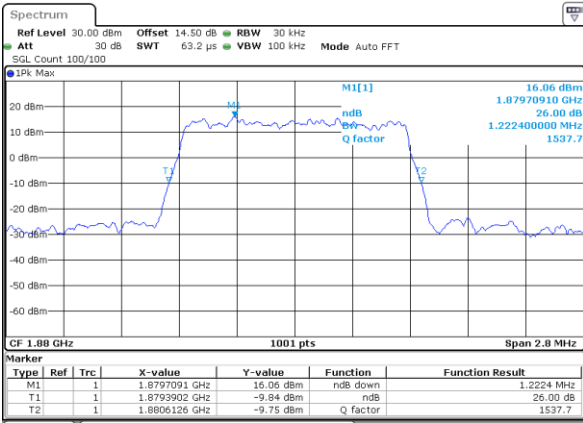
Date: 28 MAY 2022 17:42:59

Lowest Channel / 1.4MHz / 16QAM



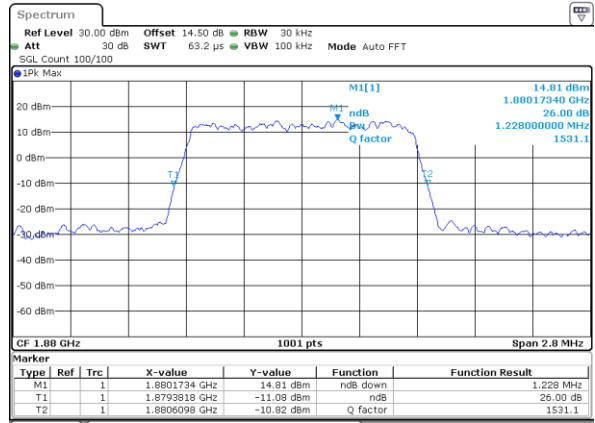
Date: 28 MAY 2022 17:46:12

Middle Channel / 1.4MHz / QPSK



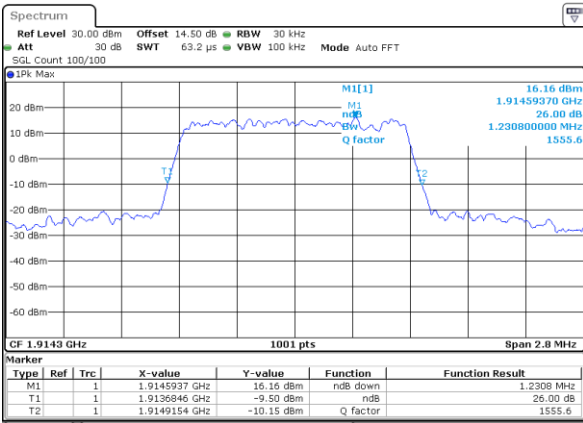
Date: 28 MAY 2022 18:19:02

Middle Channel / 1.4MHz / 16QAM



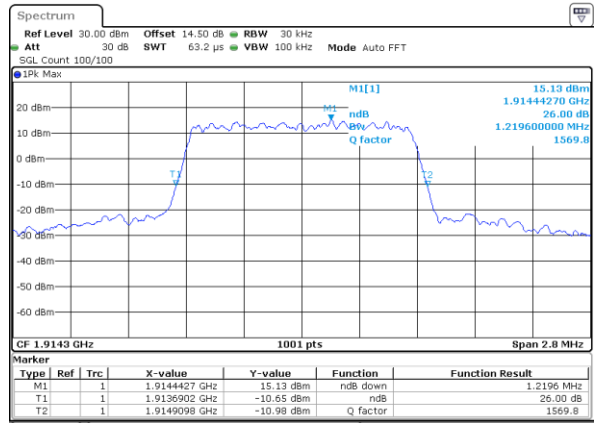
Date: 28 MAY 2022 17:18:58

Highest Channel / 1.4MHz / QPSK



Date: 28 MAY 2022 18:20:01

Highest Channel / 1.4MHz / 16QAM

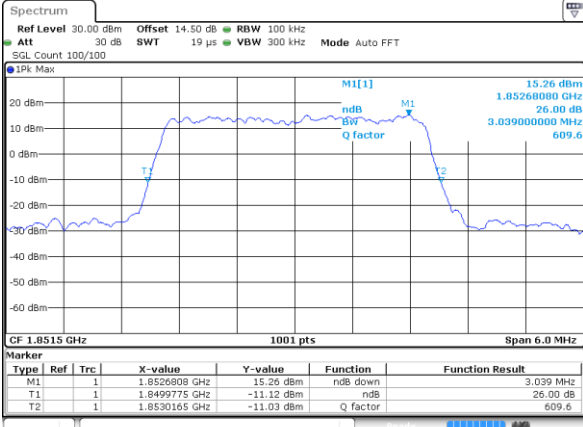


Date: 28 MAY 2022 18:23:03



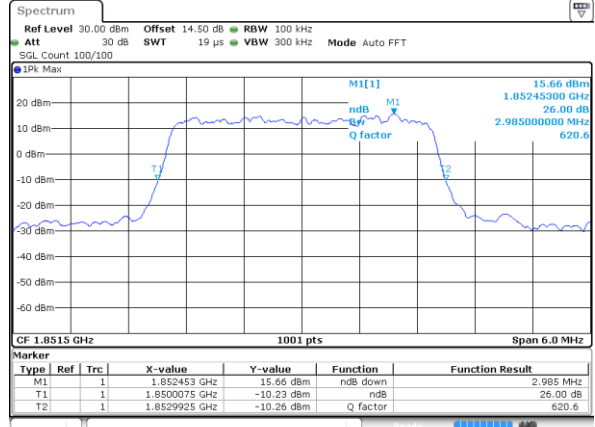
LTE Band 25

Lowest Channel / 3MHz / QPSK



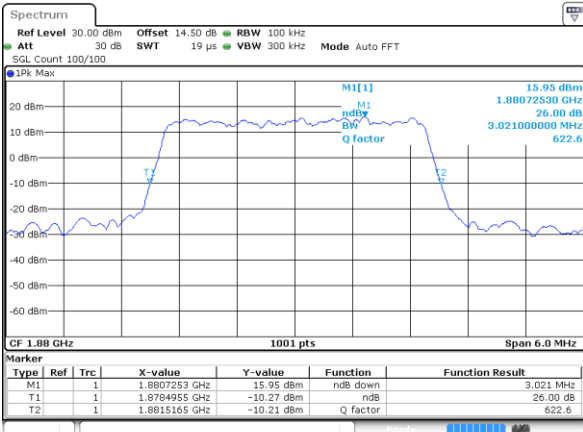
Date: 28 MAY 2022 02:29:35

Lowest Channel / 3MHz / 16QAM



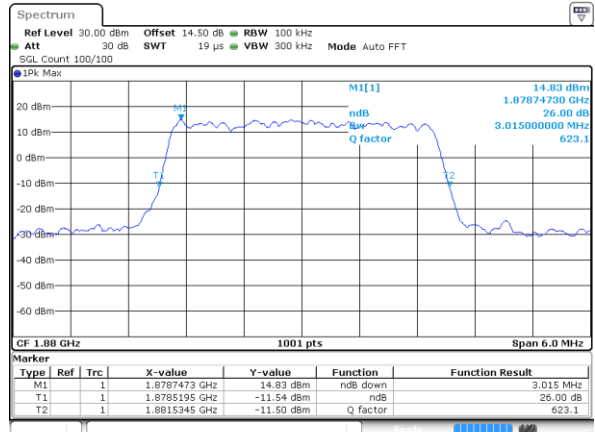
Date: 28 MAY 2022 02:29:59

Middle Channel / 3MHz / QPSK



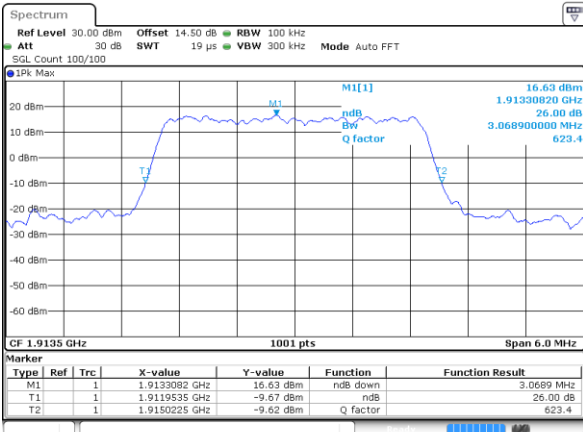
Date: 28 MAY 2022 02:43:30

Middle Channel / 3MHz / 16QAM



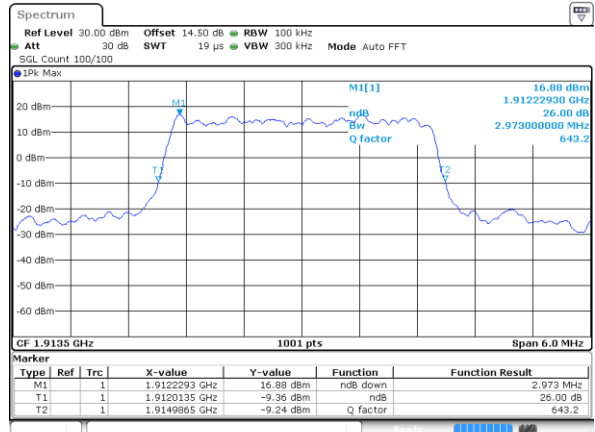
Date: 28 MAY 2022 02:43:55

Highest Channel / 3MHz / QPSK



Date: 28 MAY 2022 17:27:12

Highest Channel / 3MHz / 16QAM

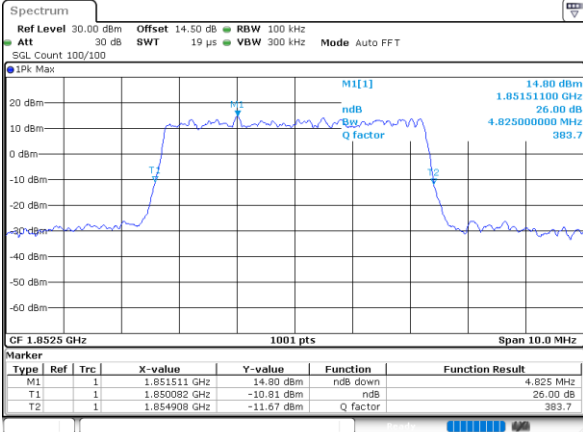


Date: 28 MAY 2022 17:26:41



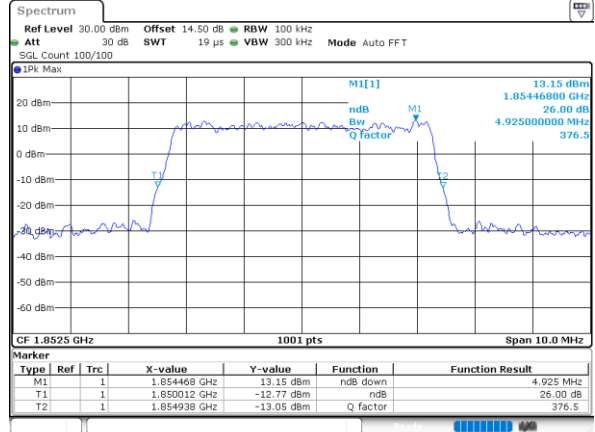
LTE Band 25

Lowest Channel / 5MHz / QPSK



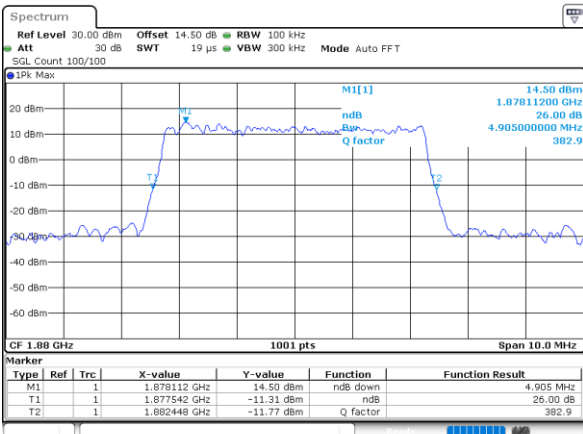
Date: 31.MAY.2022 22:56:45

Lowest Channel / 5MHz / 16QAM



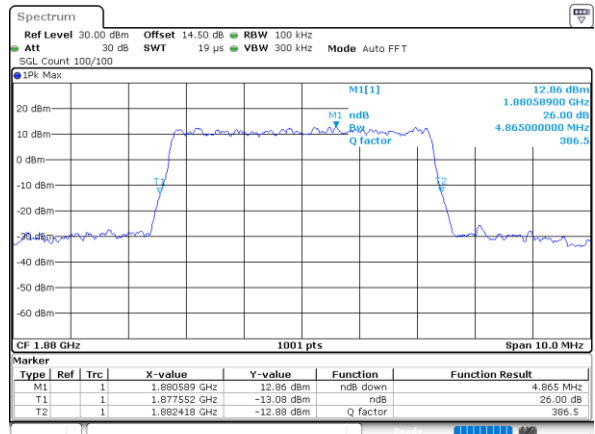
Date: 31.MAY.2022 22:57:09

Middle Channel / 5MHz / QPSK



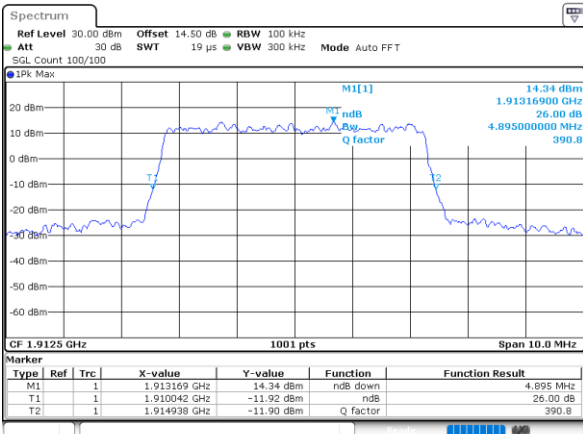
Date: 31.MAY.2022 23:10:22

Middle Channel / 5MHz / 16QAM



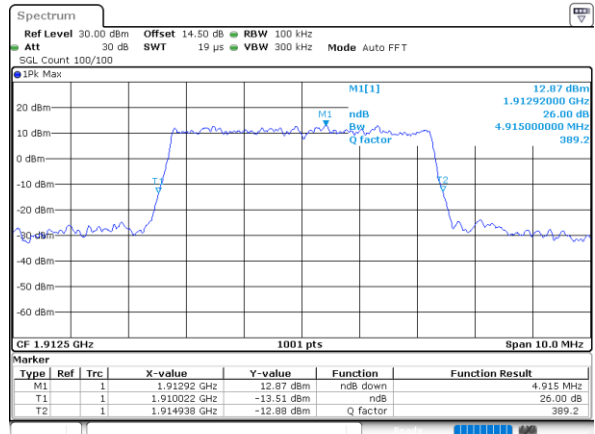
Date: 31.MAY.2022 23:10:47

Highest Channel / 5MHz / QPSK



Date: 31.MAY.2022 23:15:00

Highest Channel / 5MHz / 16QAM

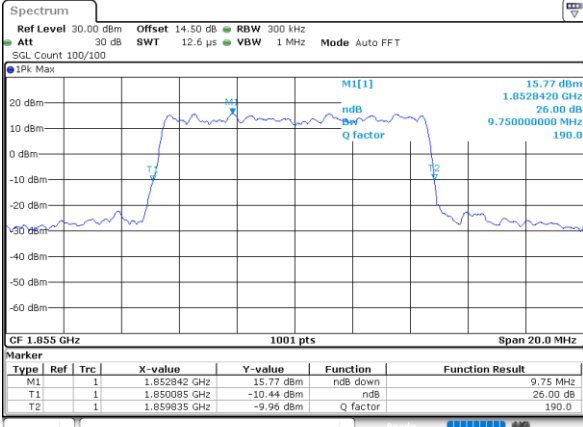


Date: 31.MAY.2022 23:14:36



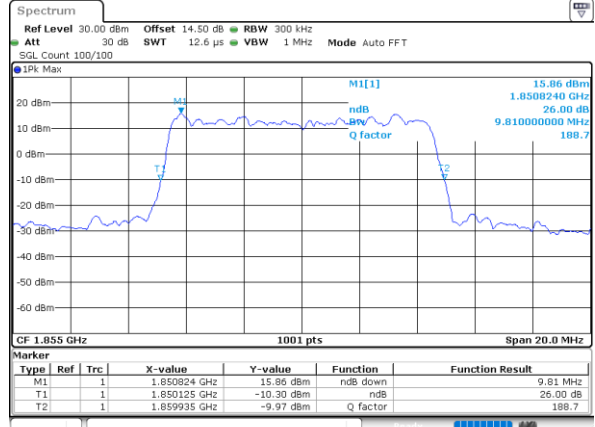
LTE Band 25

Lowest Channel / 10MHz / QPSK



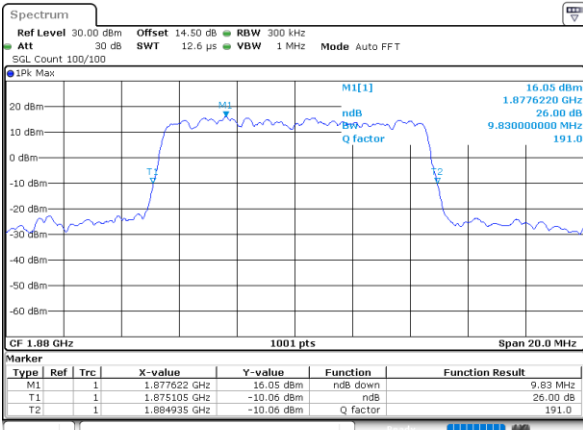
Date: 31.MAY.2022 23:35:50

Lowest Channel / 10MHz / 16QAM



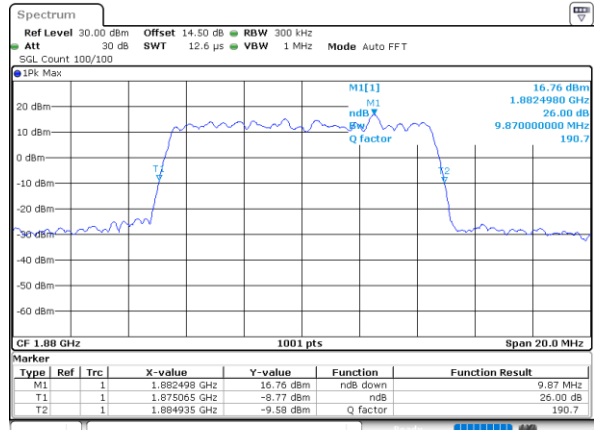
Date: 31.MAY.2022 23:36:15

Middle Channel / 10MHz / QPSK



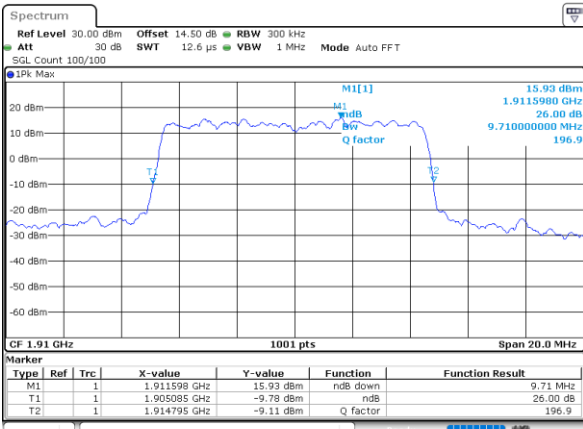
Date: 31.MAY.2022 23:45:43

Middle Channel / 10MHz / 16QAM



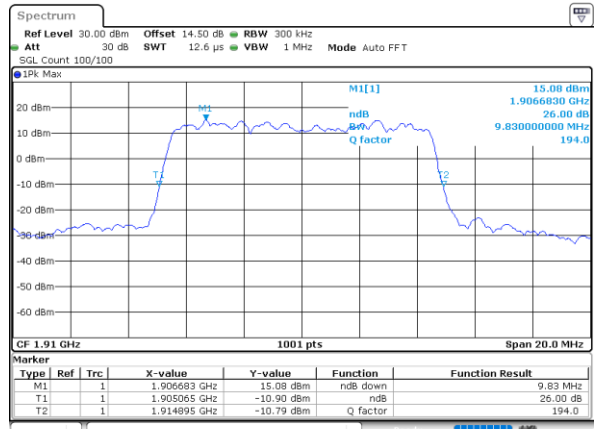
Date: 31.MAY.2022 23:46:10

Highest Channel / 10MHz / QPSK



Date: 31.MAY.2022 23:50:22

Highest Channel / 10MHz / 16QAM

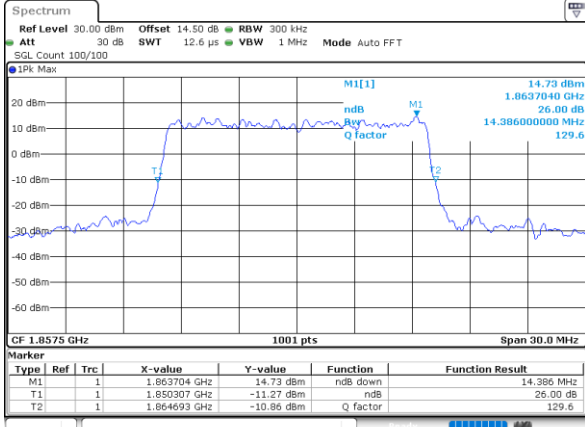


Date: 31.MAY.2022 23:49:58



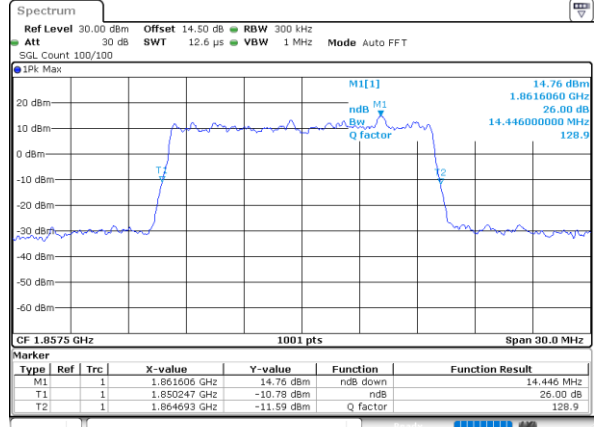
LTE Band 25

Lowest Channel / 15MHz / QPSK



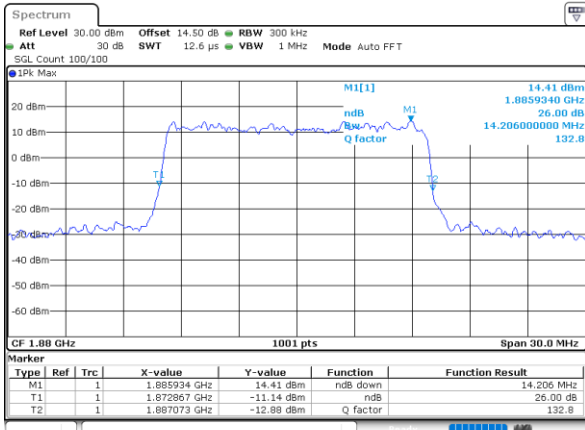
Date: 1 JUN 2022 00:22:16

Lowest Channel / 15MHz / 16QAM



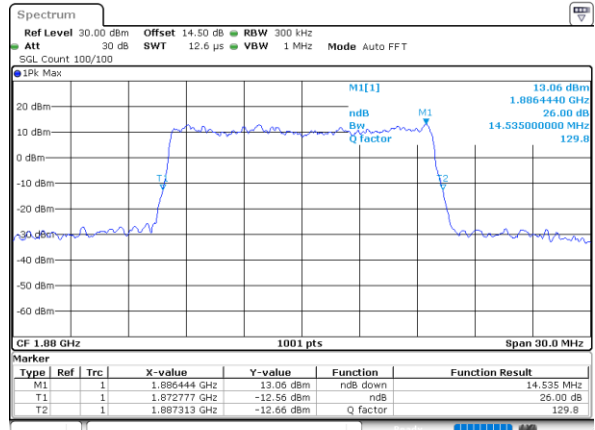
Date: 1 JUN 2022 00:23:01

Middle Channel / 15MHz / QPSK



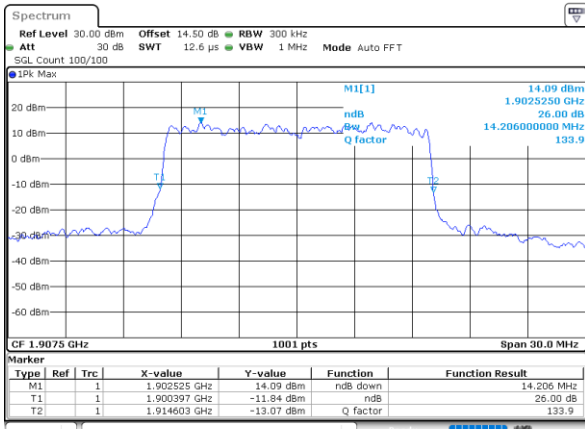
Date: 1 JUN 2022 00:32:10

Middle Channel / 15MHz / 16QAM



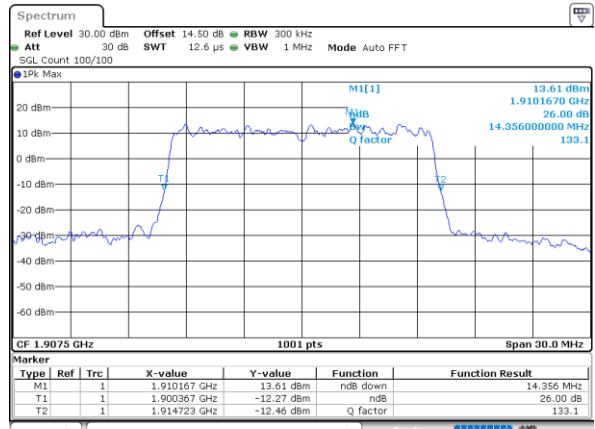
Date: 1 JUN 2022 00:32:54

Highest Channel / 15MHz / QPSK



Date: 1 JUN 2022 00:37:08

Highest Channel / 15MHz / 16QAM

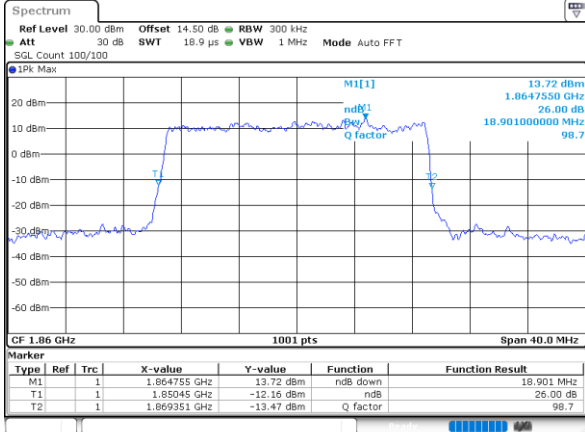


Date: 1 JUN 2022 00:36:44



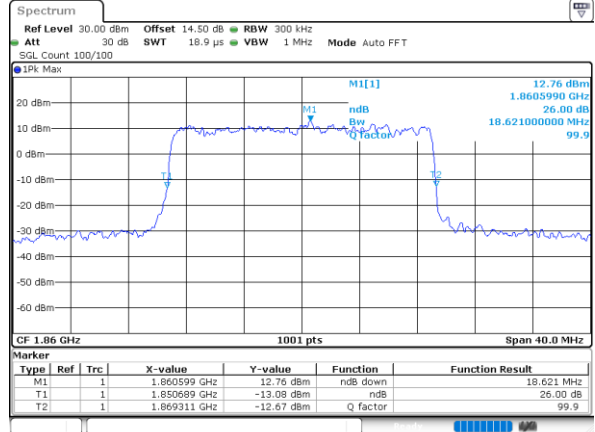
LTE Band 25

Lowest Channel / 20MHz / QPSK



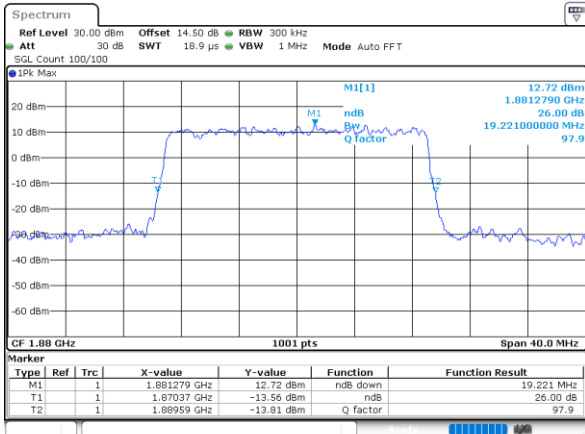
Date: 1 JUN 2022 00:46:27

Lowest Channel / 20MHz / 16QAM



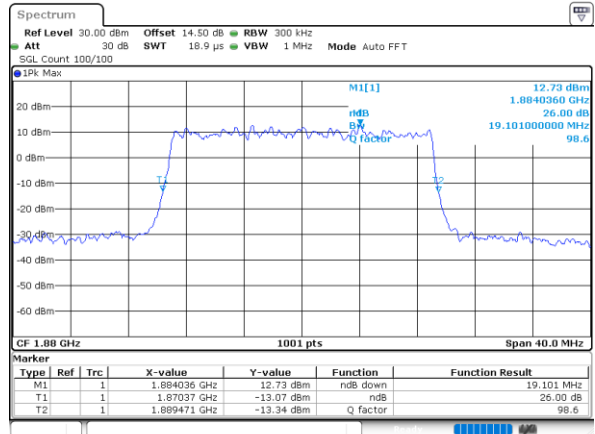
Date: 1 JUN 2022 00:46:51

Middle Channel / 20MHz / QPSK



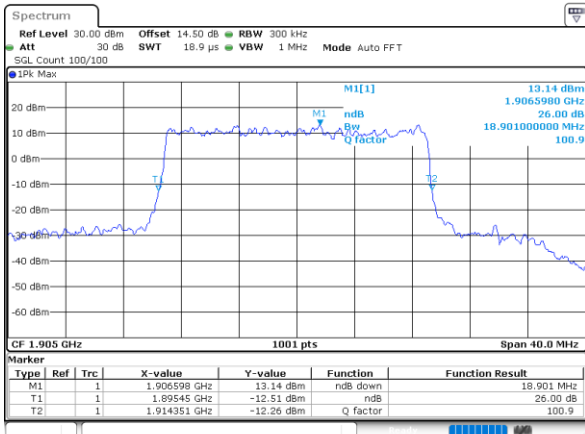
Date: 1 JUN 2022 00:56:20

Middle Channel / 20MHz / 16QAM



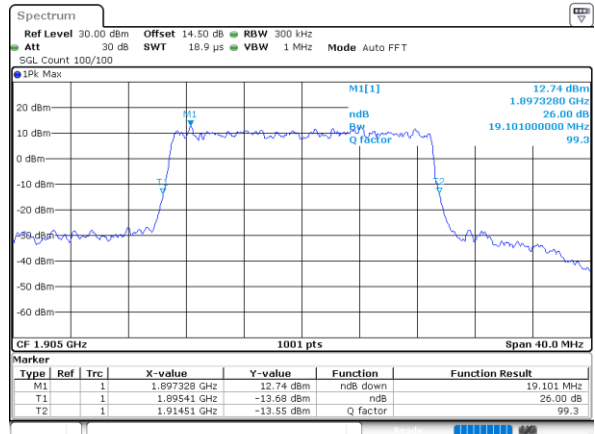
Date: 1 JUN 2022 00:56:44

Highest Channel / 20MHz / QPSK



Date: 1 JUN 2022 01:00:58

Highest Channel / 20MHz / 16QAM

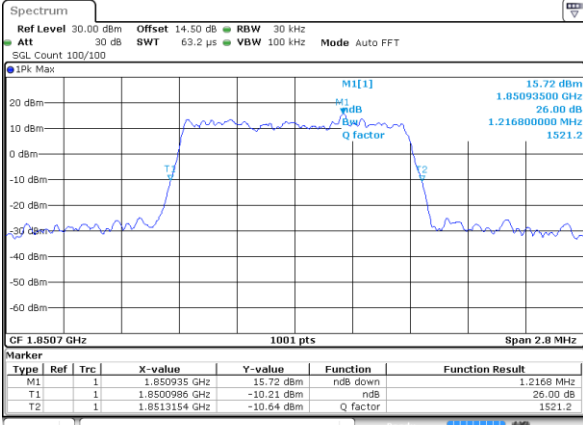


Date: 1 JUN 2022 01:00:34



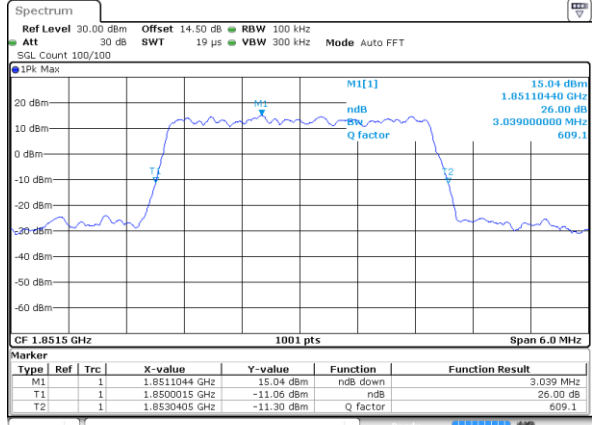
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



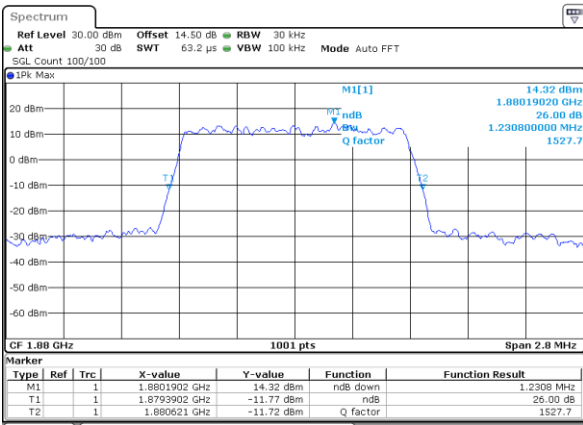
Date: 28 MAY 2022 17:48:35

Lowest Channel / 3MHz / 64QAM



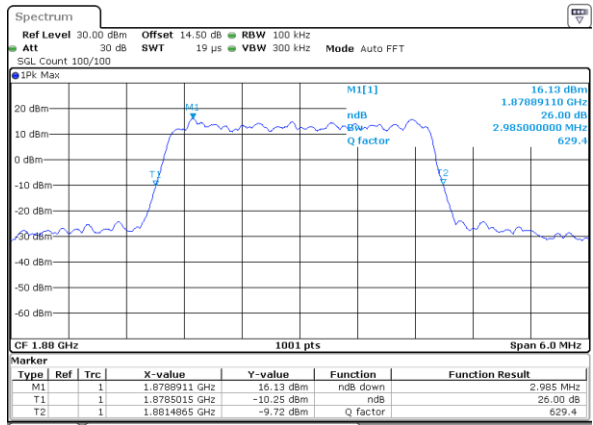
Date: 28 MAY 2022 16:52:36

Middle Channel / 1.4MHz / 64QAM



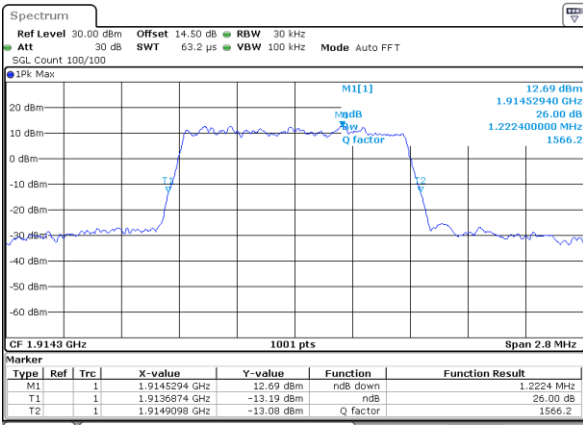
Date: 28 MAY 2022 18:16:51

Middle Channel / 3MHz / 64QAM



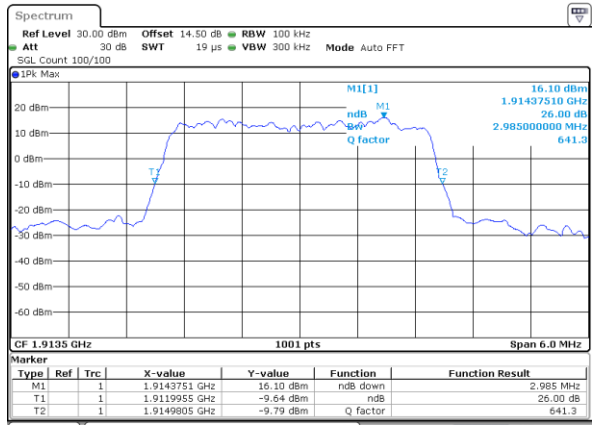
Date: 28 MAY 2022 17:00:12

Highest Channel / 1.4MHz / 64QAM



Date: 31 MAY 2022 23:05:56

Highest Channel / 3MHz / 64QAM

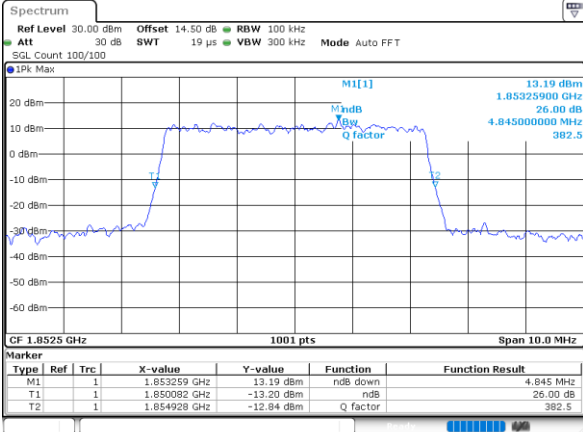


Date: 28 MAY 2022 17:02:32



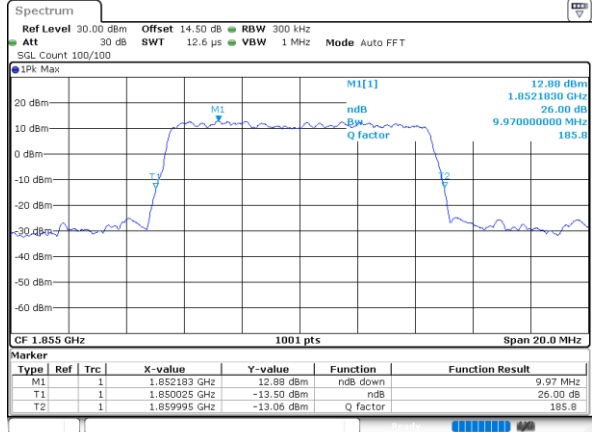
LTE Band 25

Lowest Channel / 5MHz / 64QAM



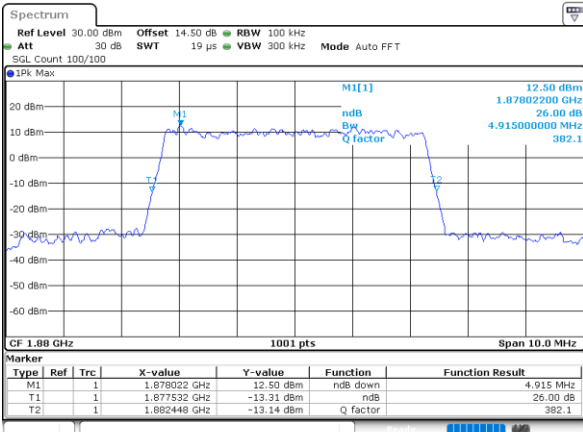
Date: 31.MAY.2022 23:23:46

Lowest Channel / 10MHz / 64QAM



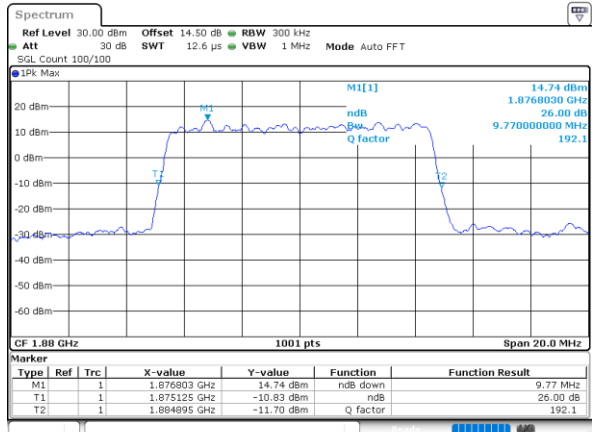
Date: 31.MAY.2022 23:59:08

Middle Channel / 5MHz / 64QAM



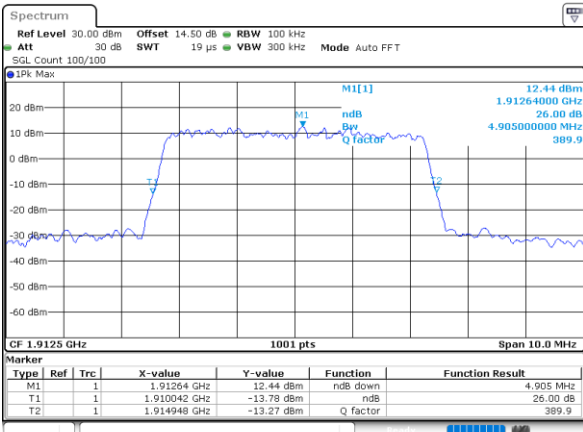
Date: 31.MAY.2022 23:28:33

Middle Channel / 10MHz / 64QAM



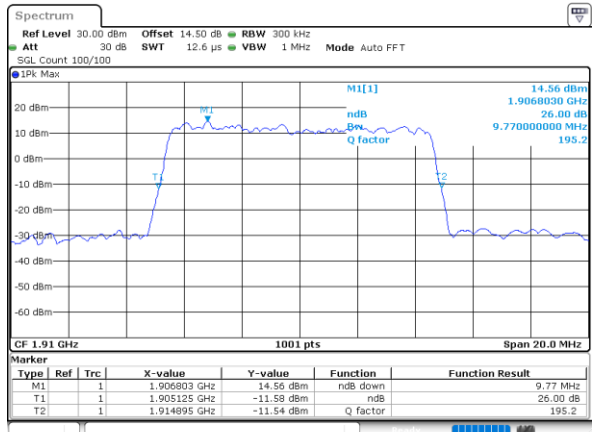
Date: 1.JUN.2022 00:03:54

Highest Channel / 5MHz / 64QAM



Date: 31.MAY.2022 23:30:37

Highest Channel / 10MHz / 64QAM

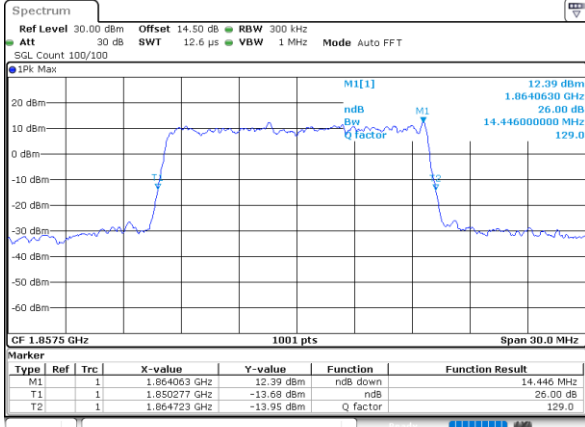


Date: 1.JUN.2022 00:05:57



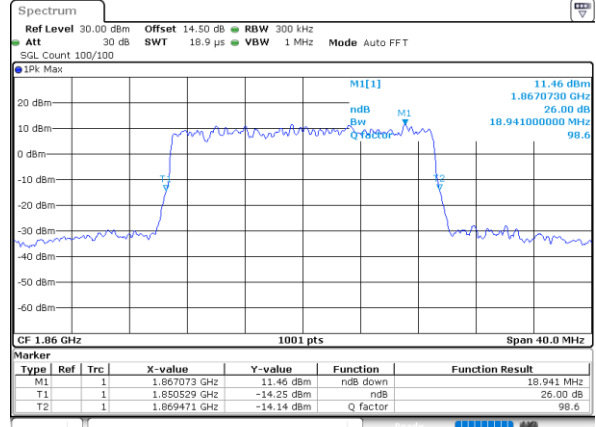
LTE Band 25

Lowest Channel / 15MHz / 64QAM



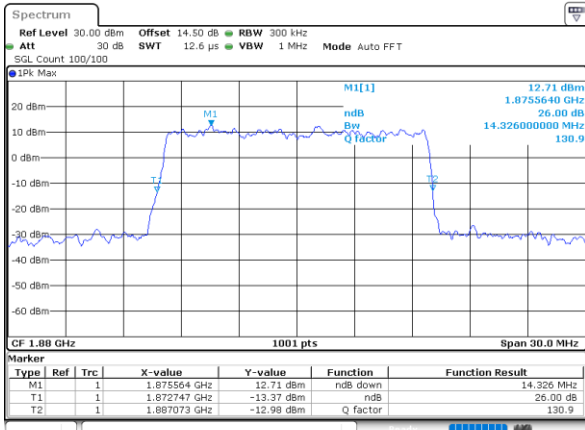
Date: 1 JUN 2022 00:10:35

Lowest Channel / 20MHz / 64QAM



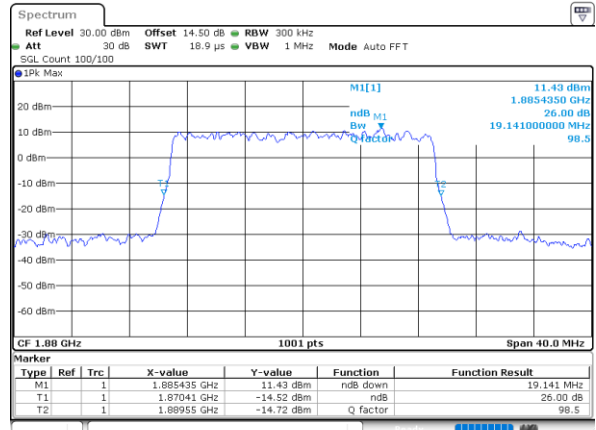
Date: 1 JUN 2022 01:09:43

Middle Channel / 15MHz / 64QAM



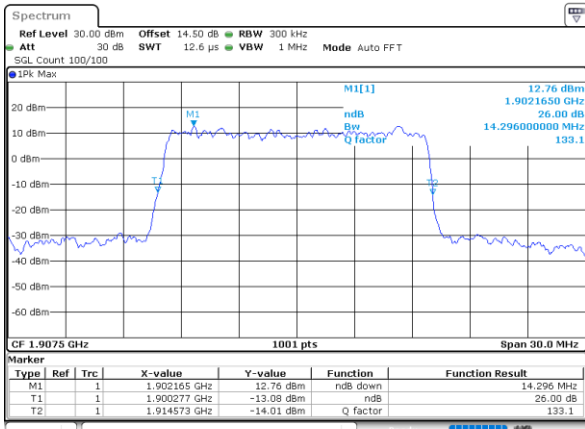
Date: 1 JUN 2022 00:15:21

Middle Channel / 20MHz / 64QAM



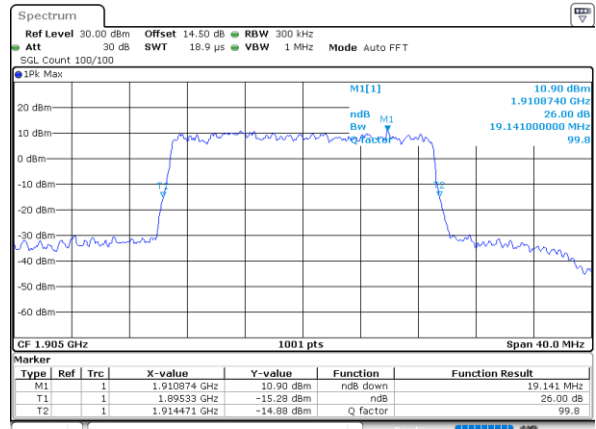
Date: 1 JUN 2022 01:14:30

Highest Channel / 15MHz / 64QAM



Date: 1 JUN 2022 00:17:24

Highest Channel / 20MHz / 64QAM



Date: 1 JUN 2022 01:16:33



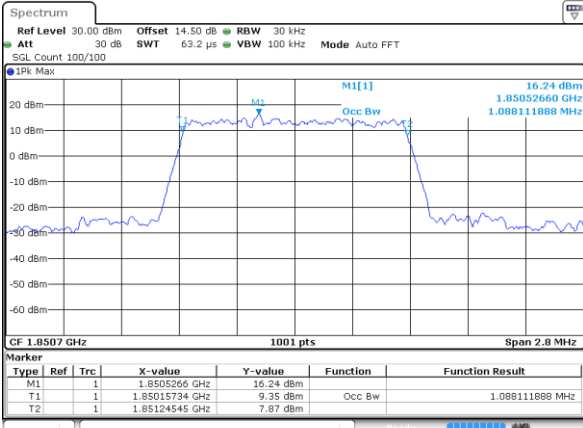
Occupied Bandwidth

Mode	LTE Band 25 : 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	1.09	1.09	2.72	2.71	4.48	4.51	9.03	8.99	13.46	13.52	17.94	17.90
Middle CH	1.09	1.09	2.70	2.70	4.49	4.48	9.01	8.97	13.46	13.46	17.94	17.90
Highest CH	1.09	1.09	2.71	2.72	4.49	4.47	9.03	9.05	13.55	13.43	17.90	17.86
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.51	-	9.07	-	13.43	-	17.94	-
Middle CH	1.10	-	2.72	-	4.50	-	9.03	-	13.49	-	17.82	-
Highest CH	1.09	-	2.73	-	4.51	-	9.03	-	13.43	-	17.90	-

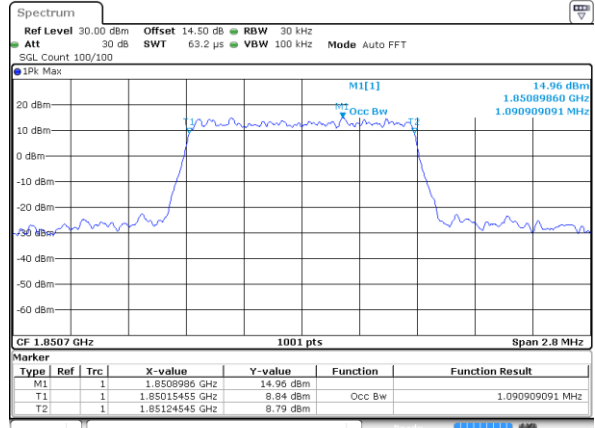


LTE Band 25

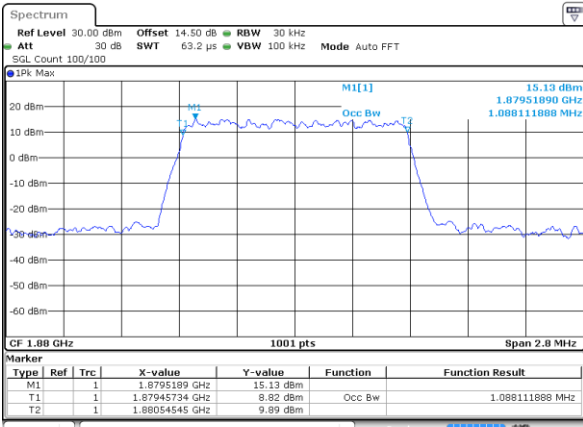
Lowest Channel / 1.4MHz / QPSK



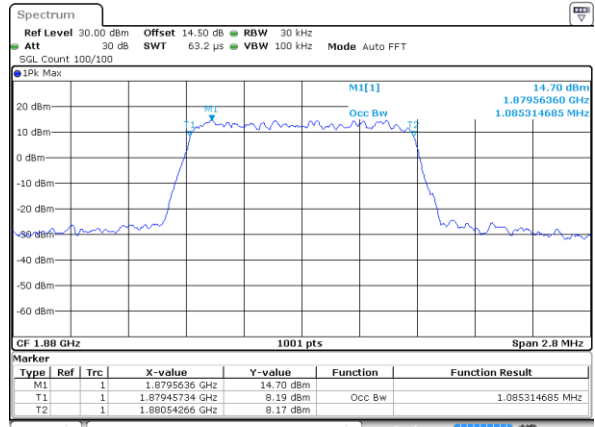
Lowest Channel / 1.4MHz / 16QAM



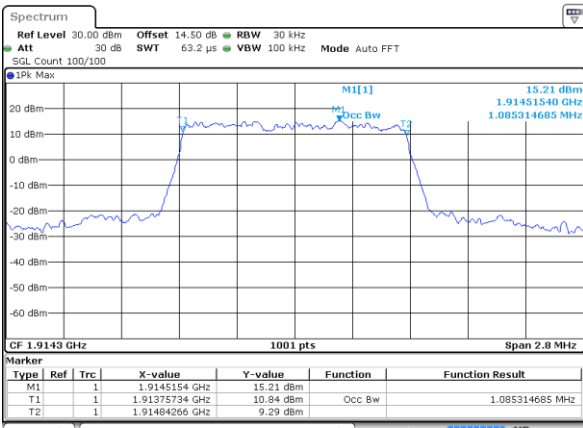
Middle Channel / 1.4MHz / QPSK



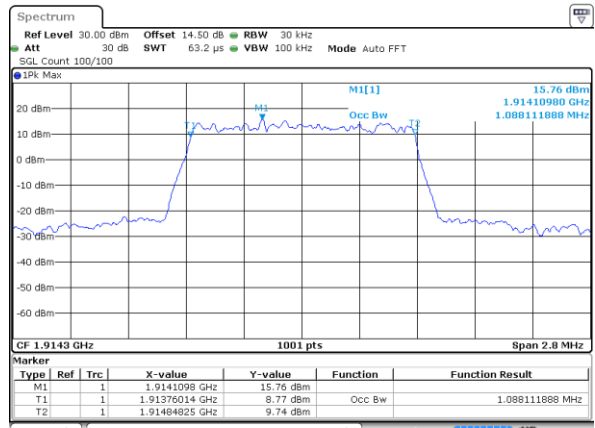
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



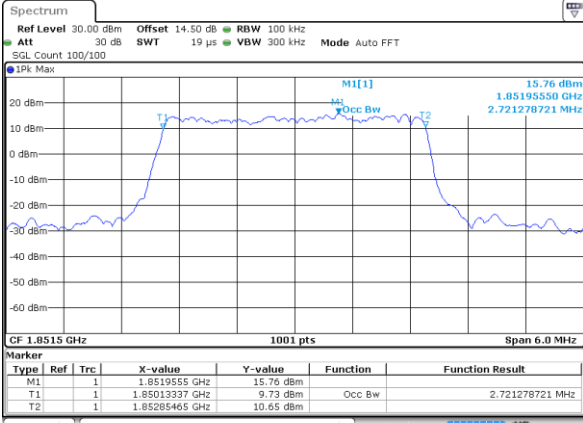
Highest Channel / 1.4MHz / 16QAM





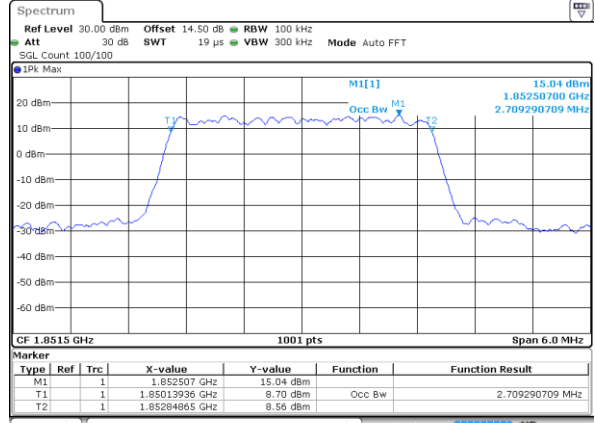
LTE Band 25

Lowest Channel / 3MHz / QPSK



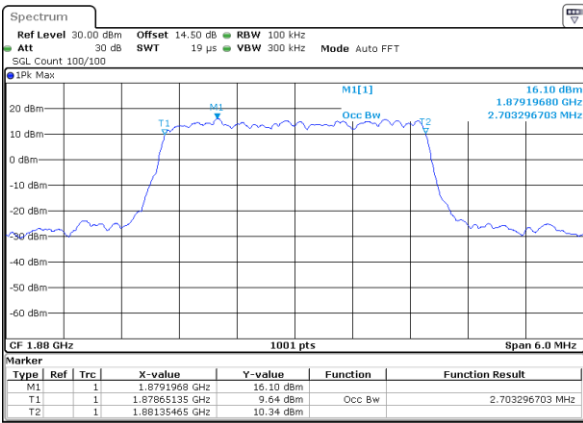
Date: 28 MAY 2022 02:28:46

Lowest Channel / 3MHz / 16QAM



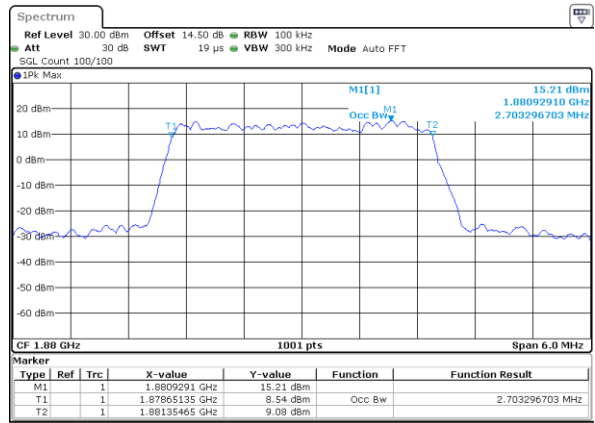
Date: 28 MAY 2022 02:29:10

Middle Channel / 3MHz / QPSK



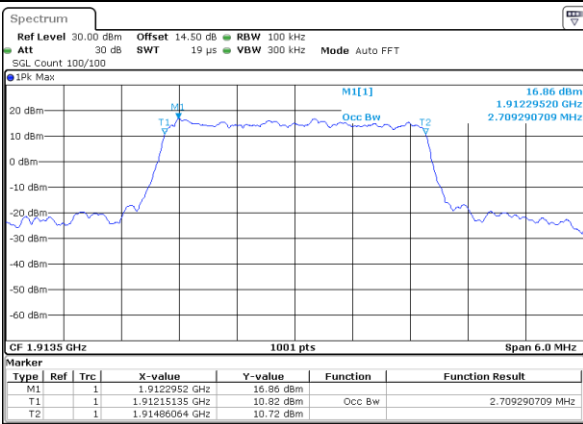
Date: 28 MAY 2022 02:42:41

Middle Channel / 3MHz / 16QAM



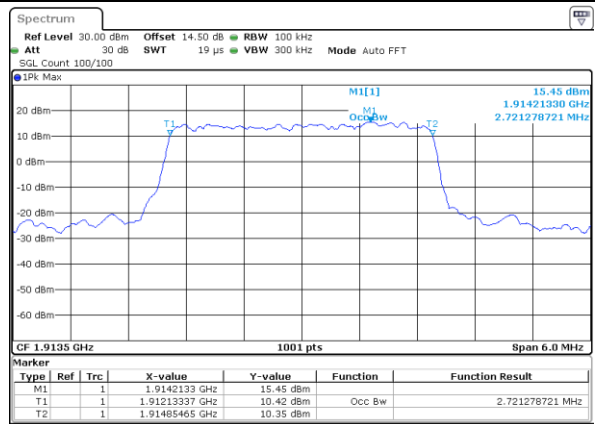
Date: 28 MAY 2022 02:43:06

Highest Channel / 3MHz / QPSK



Date: 28 MAY 2022 17:24:02

Highest Channel / 3MHz / 16QAM



Date: 28 MAY 2022 17:24:43