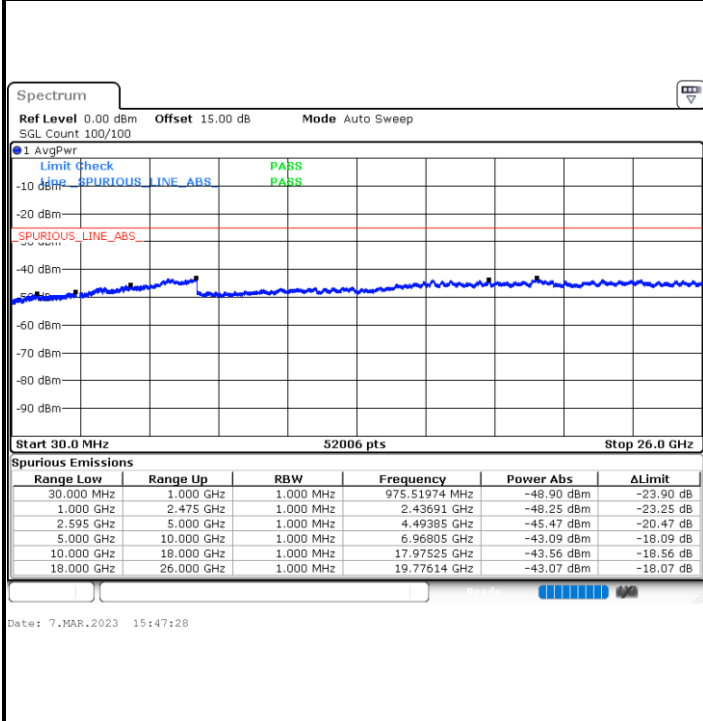


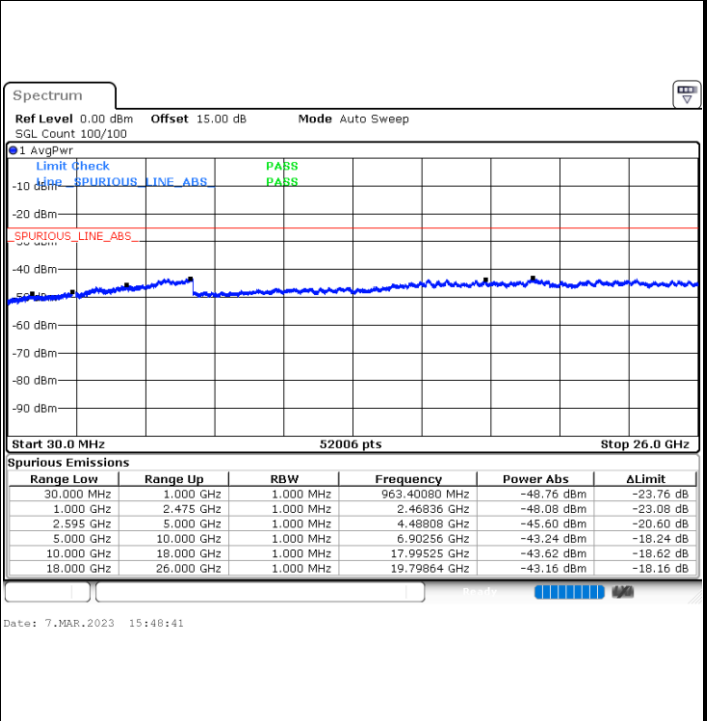


LTE Band 7 / 5MHz

Highest Channel / QPSK

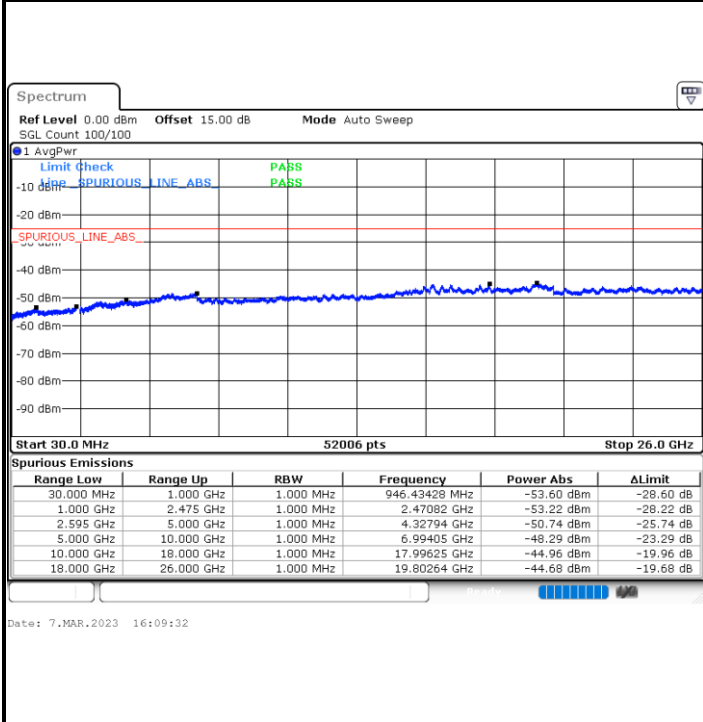


Highest Channel / 16QAM

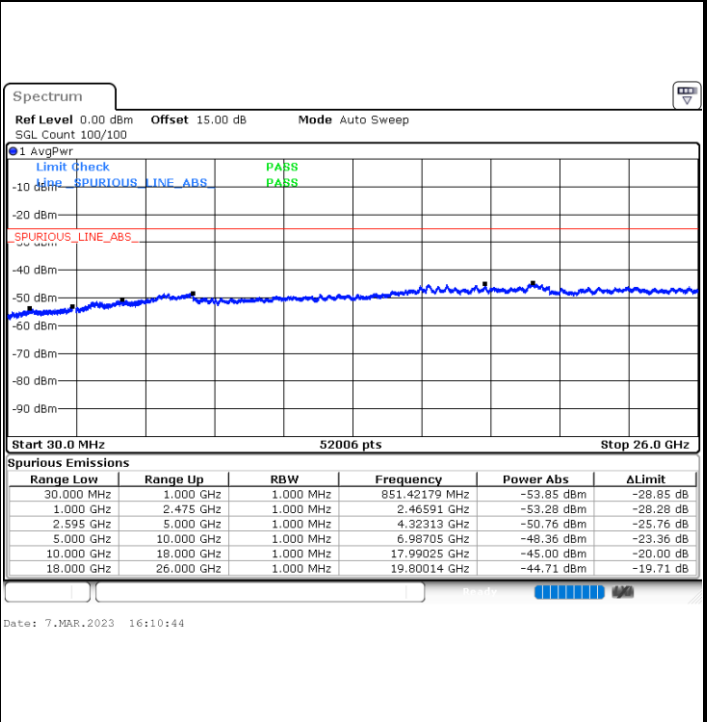


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

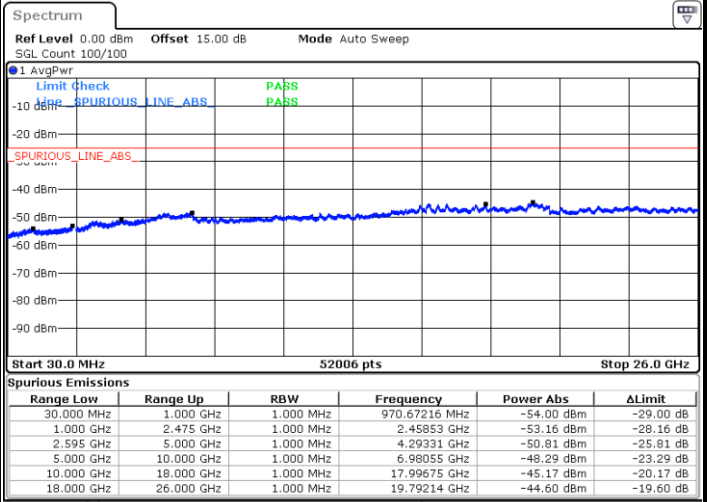
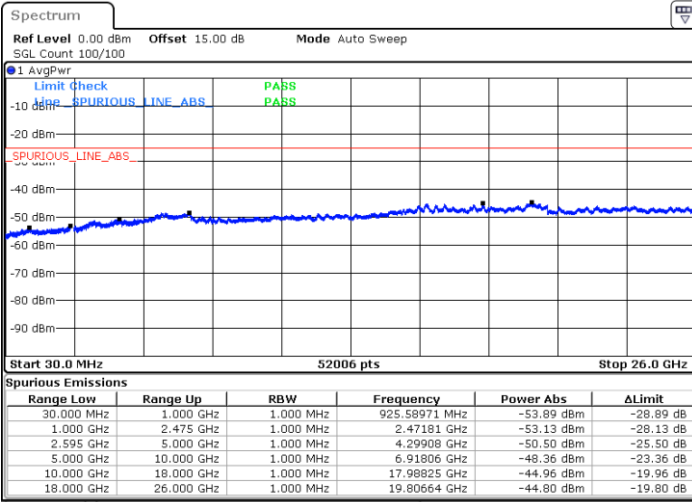




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

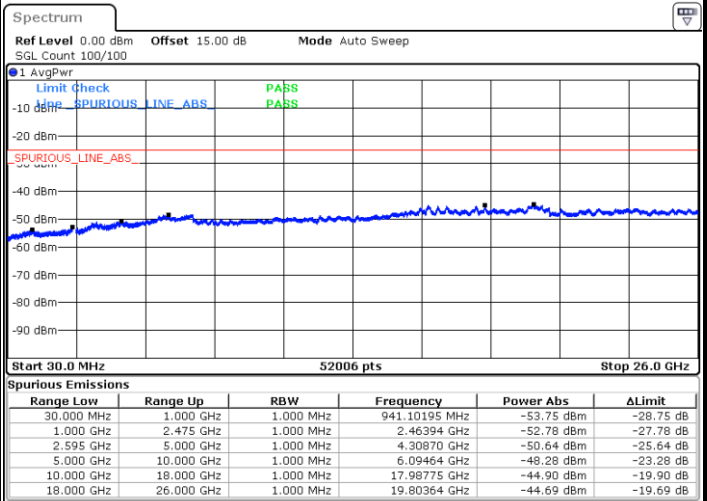
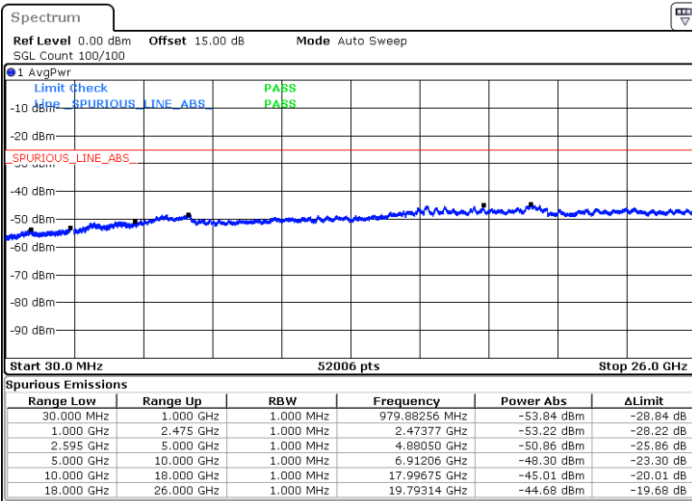


Date: 7.MAR.2023 16:13:31

Date: 7.MAR.2023 16:14:42

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAR.2023 17:56:53

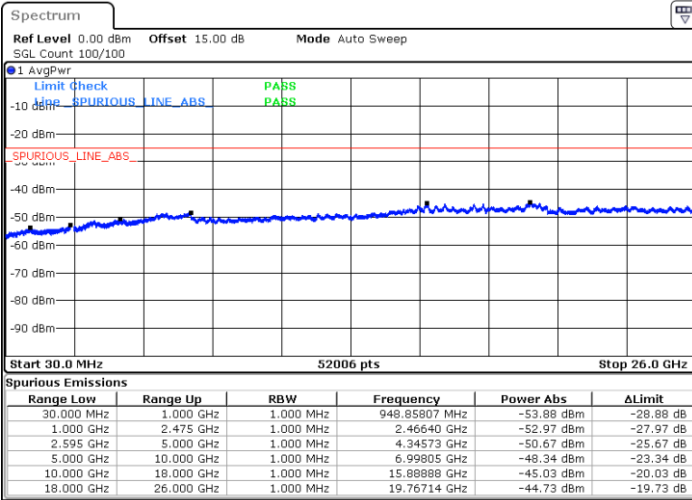
Date: 7.MAR.2023 17:58:06



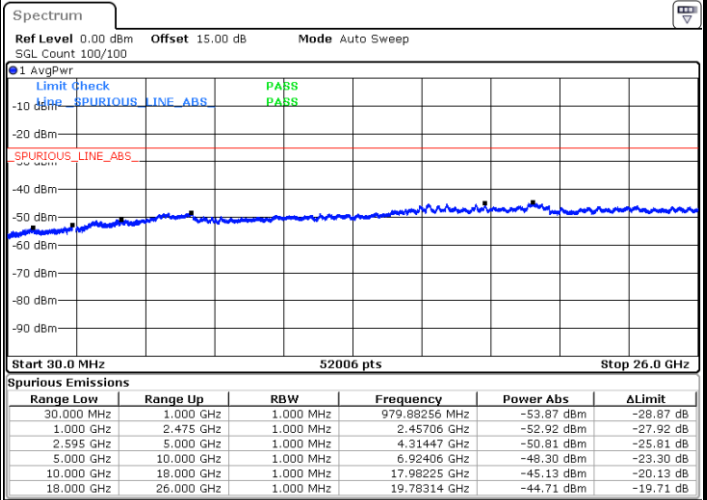
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



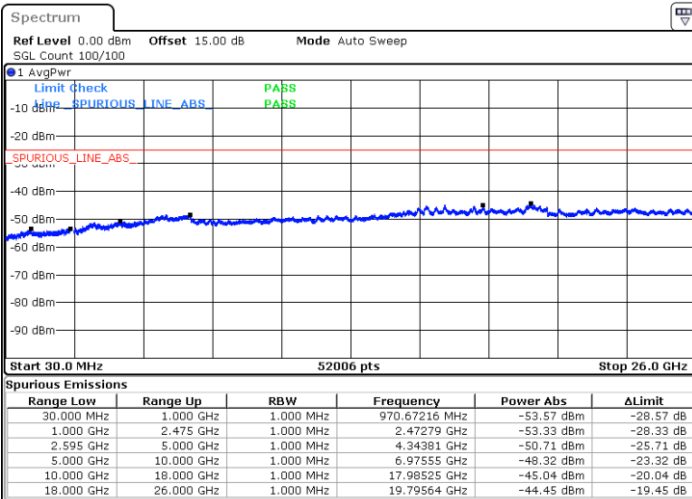
Date: 7.MAR.2023 18:12:54



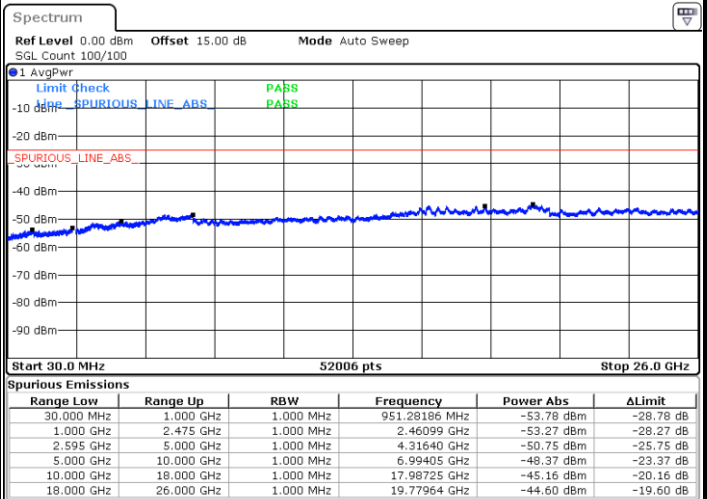
Date: 7.MAR.2023 18:14:06

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7.MAR.2023 18:16:52

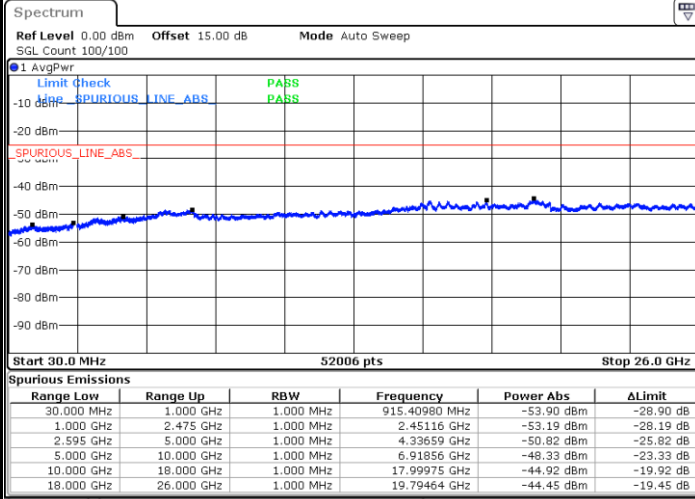


Date: 7.MAR.2023 18:18:04



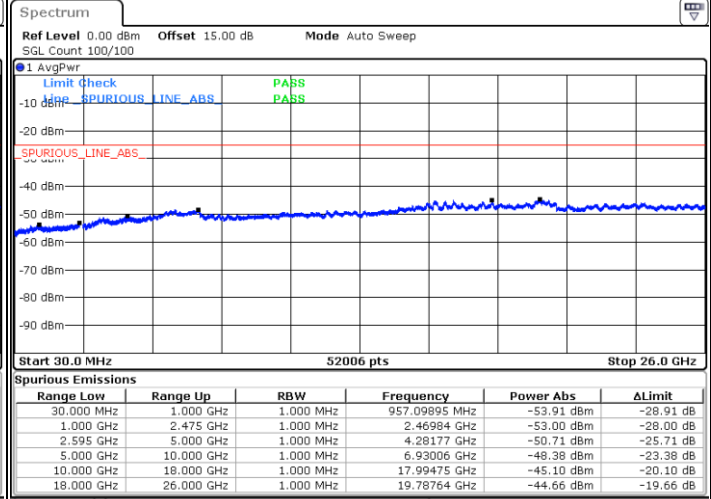
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 7.MAR.2023 18:24:06

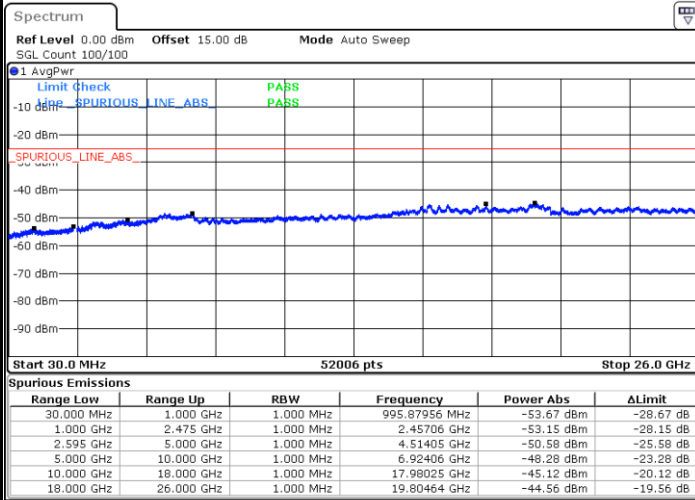
Highest Channel / 16QAM



Date: 7.MAR.2023 18:25:18

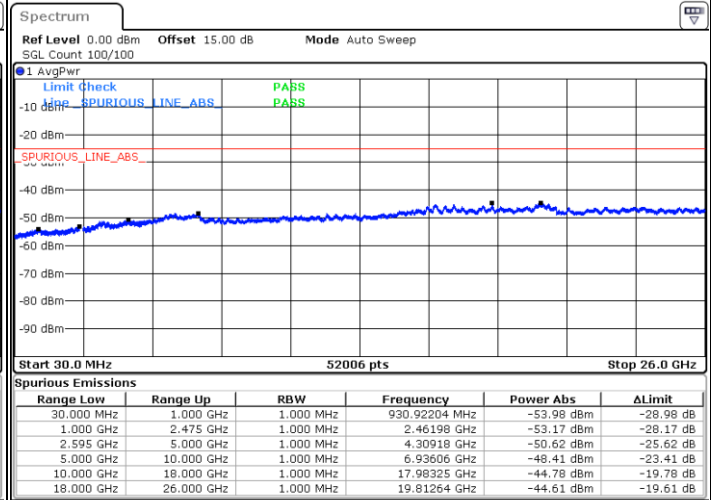
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 7.MAR.2023 18:40:09

Lowest Channel / 16QAM



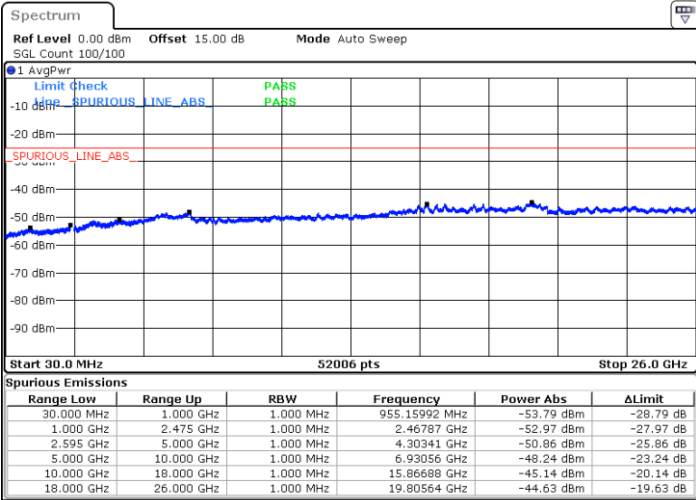
Date: 7.MAR.2023 18:41:21



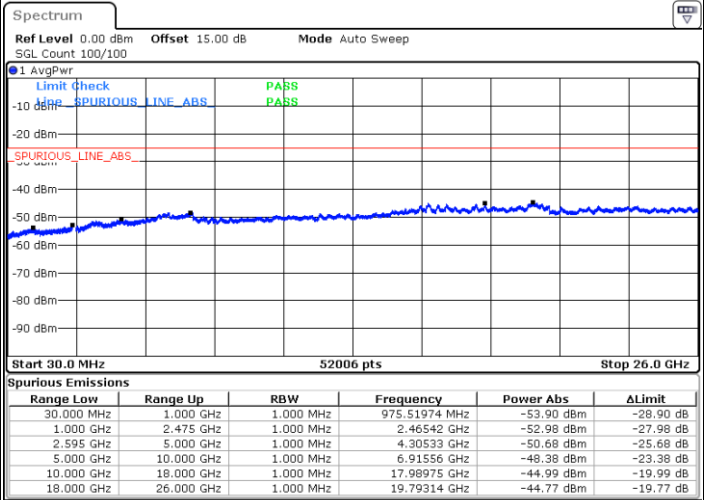
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



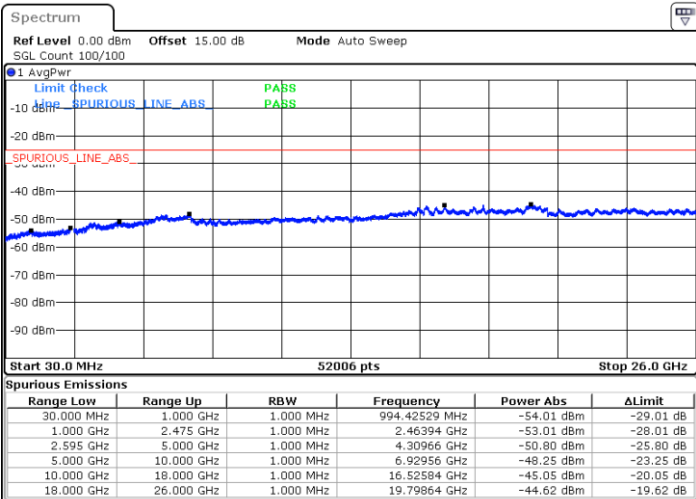
Date: 7.MAR.2023 18:44:14



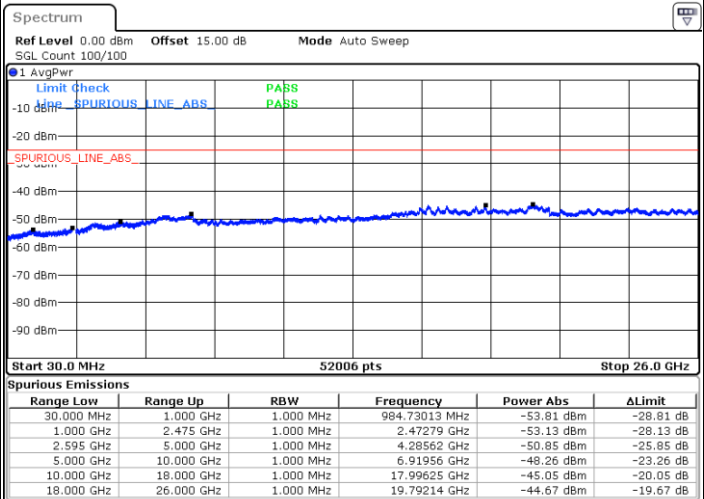
Date: 7.MAR.2023 18:45:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAR.2023 18:51:28



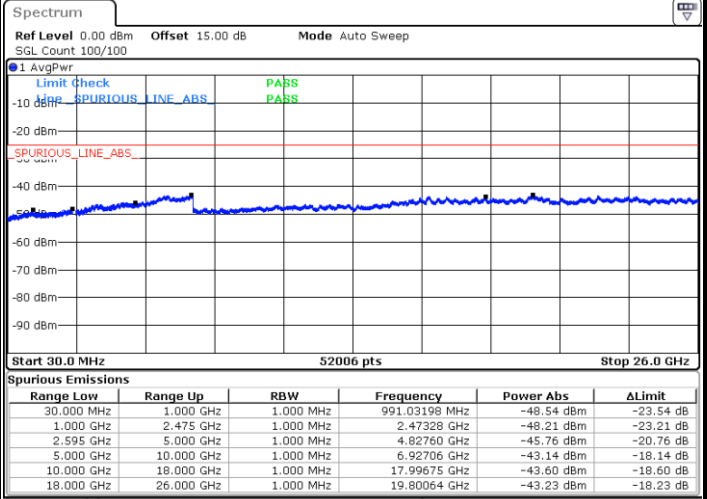
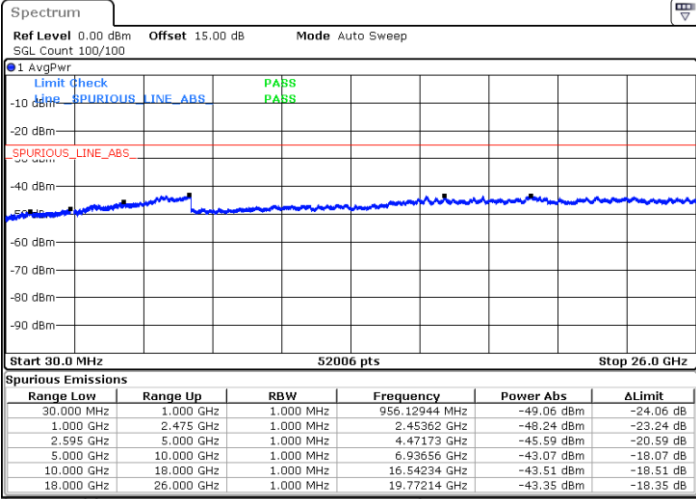
Date: 7.MAR.2023 18:52:40



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

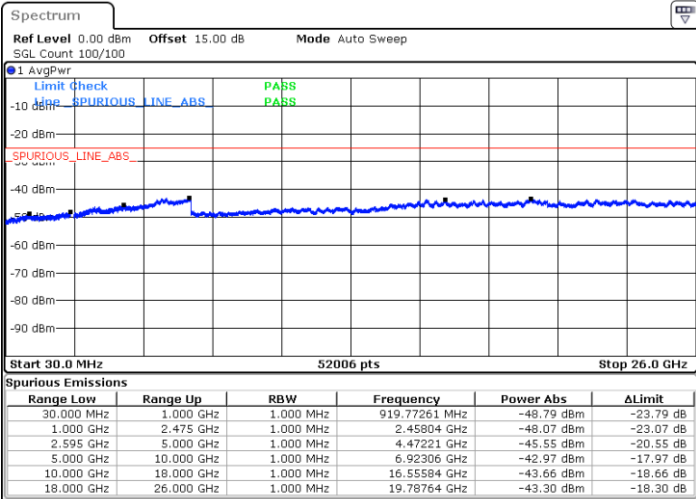
Middle Channel / 64QAM



Date: 7.MAR.2023 15:53:40

Date: 7.MAR.2023 15:55:30

Highest Channel / 64QAM

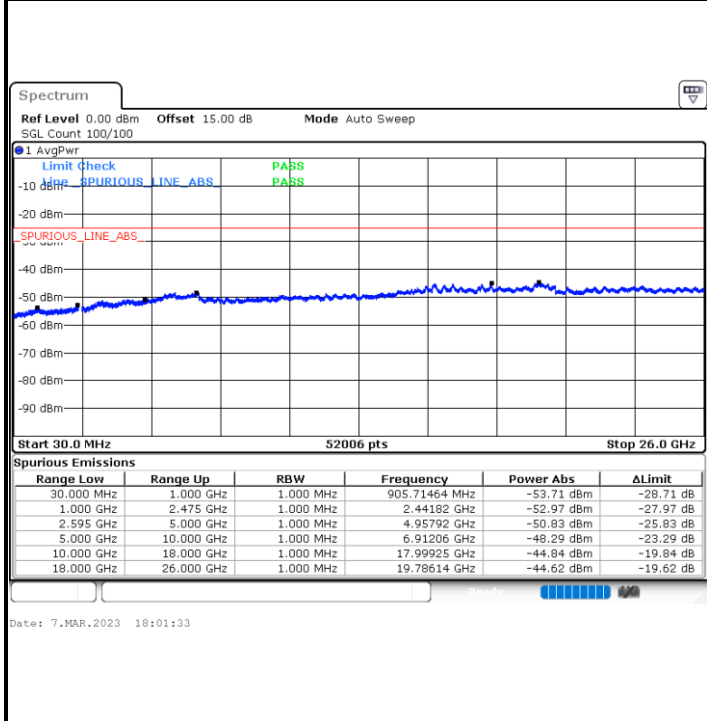


Date: 7.MAR.2023 16:00:28

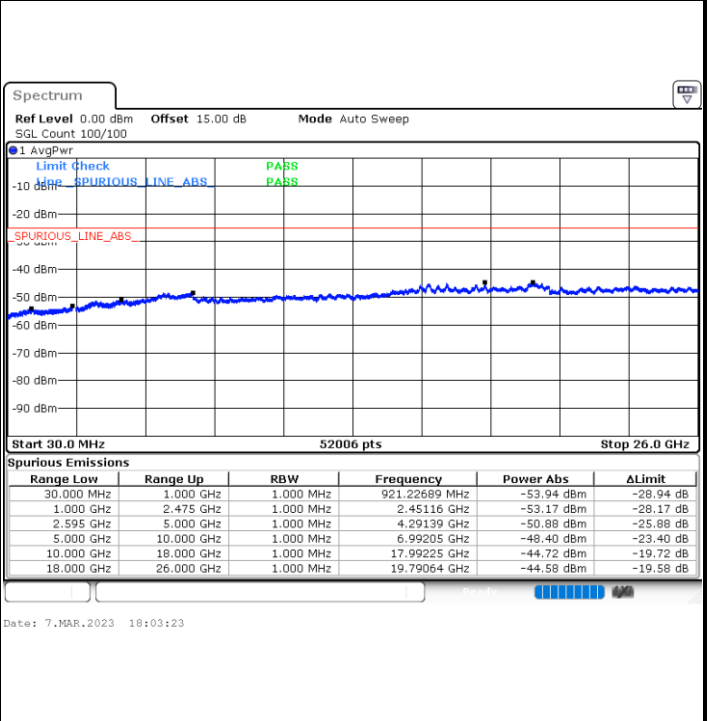


LTE Band 7 / 10MHz

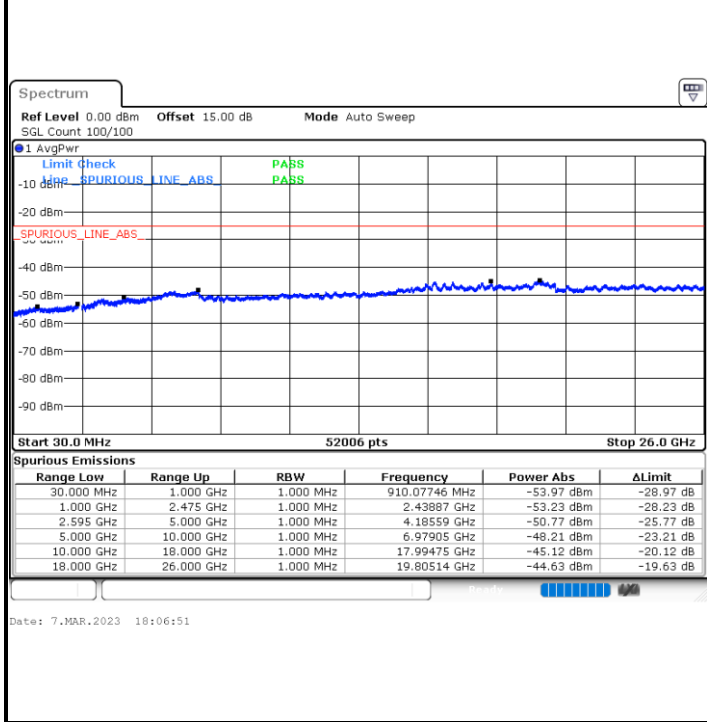
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM

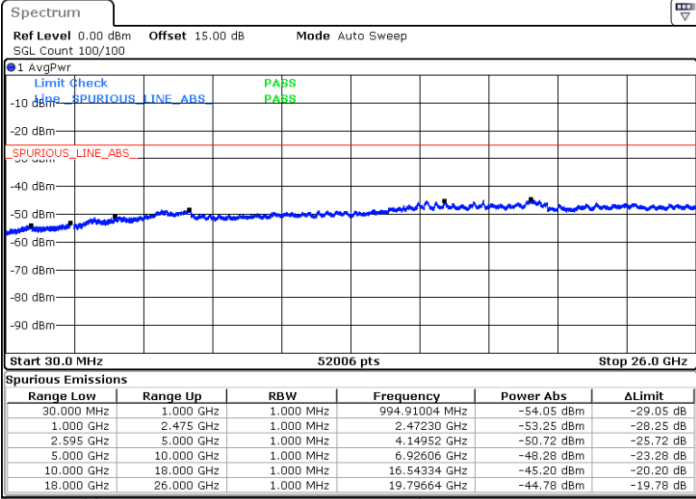




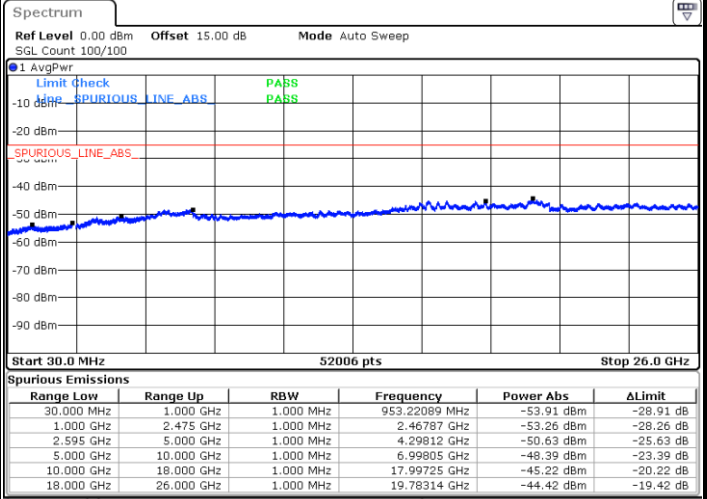
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

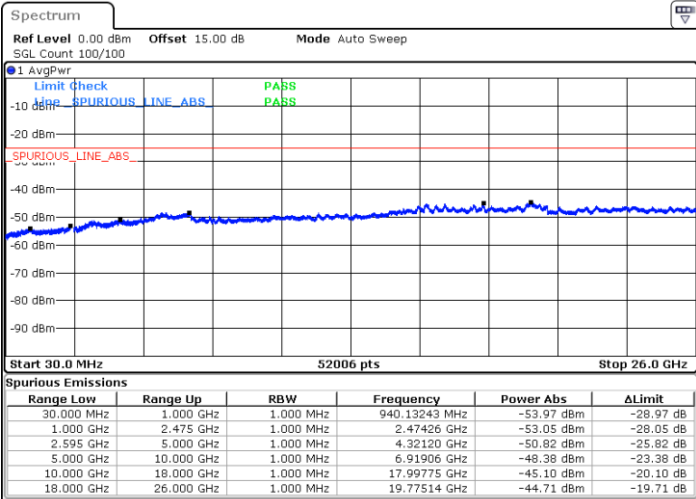


Date: 7.MAR.2023 18:28:46



Date: 7.MAR.2023 18:30:36

Highest Channel / 64QAM



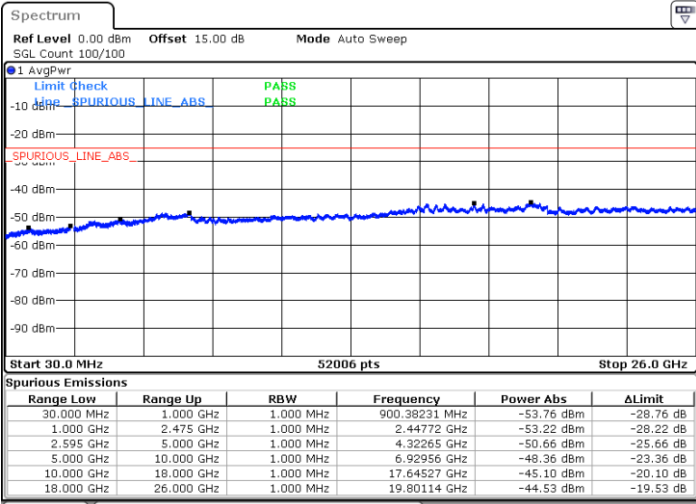
Date: 7.MAR.2023 18:34:04



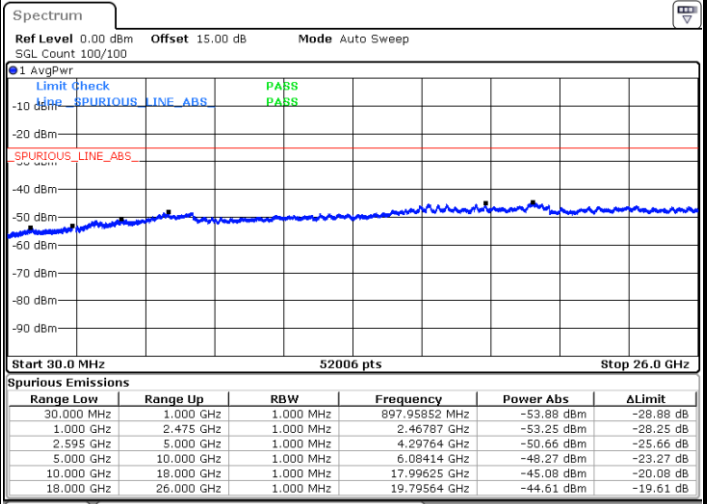
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

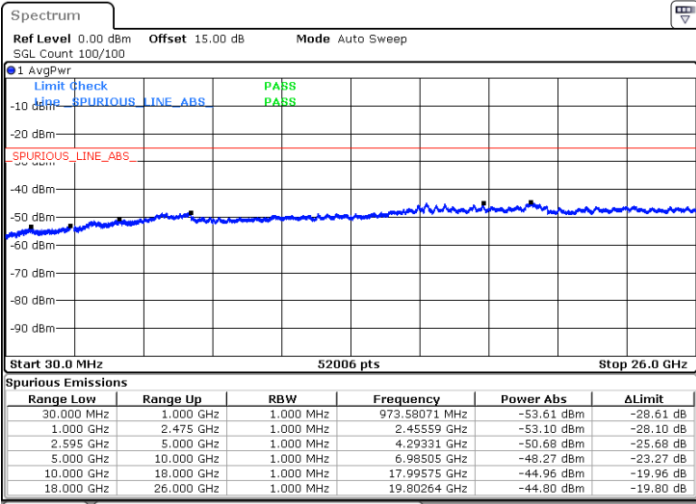


Date: 7.MAR.2023 18:56:09



Date: 7.MAR.2023 18:57:59

Highest Channel / 64QAM



Date: 7.MAR.2023 19:01:26



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
55	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0011	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12<Ant.0>

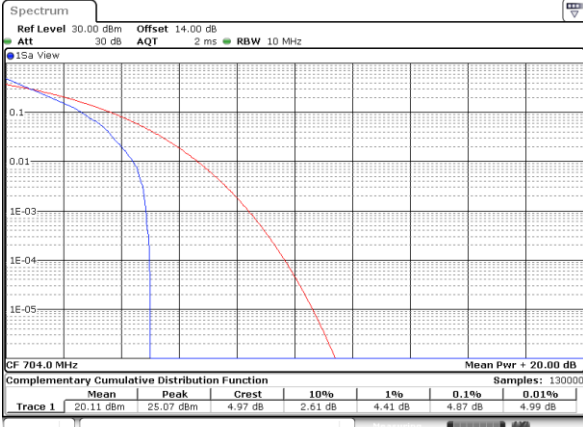
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.87	5.39	5.51	6.03	PASS
Middle CH	4.52	5.16	5.59	5.94	
Highest CH	4.96	5.16	6.23	5.97	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.58	6.41	-	-	PASS
Middle CH	6.38	6.26	-	-	
Highest CH	6.41	6.38	-	-	



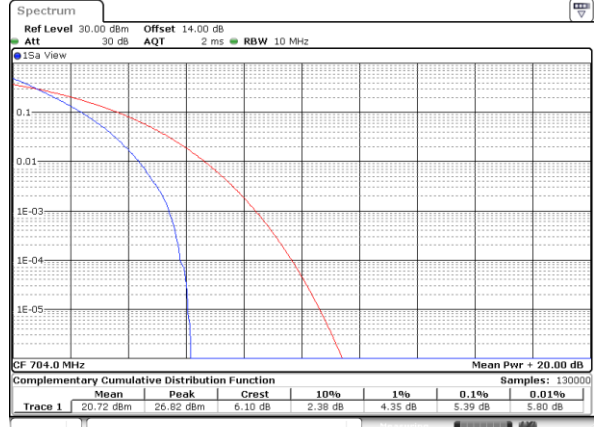
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



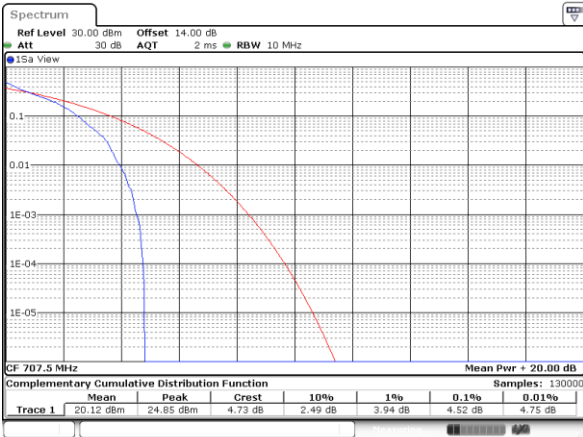
Date: 1.MAR.2023 03:21:46

Lowest Channel / Full RB



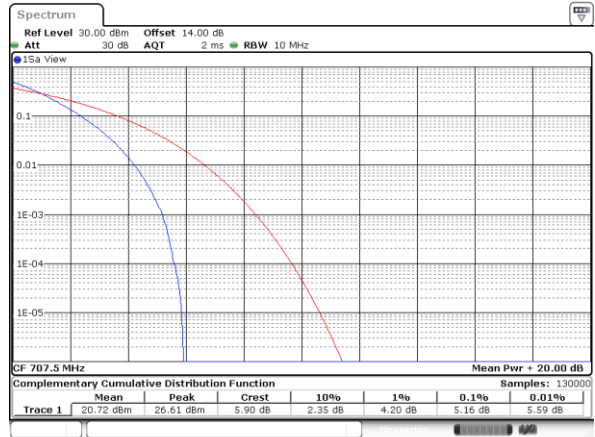
Date: 1.MAR.2023 03:21:19

Middle Channel / 1RB



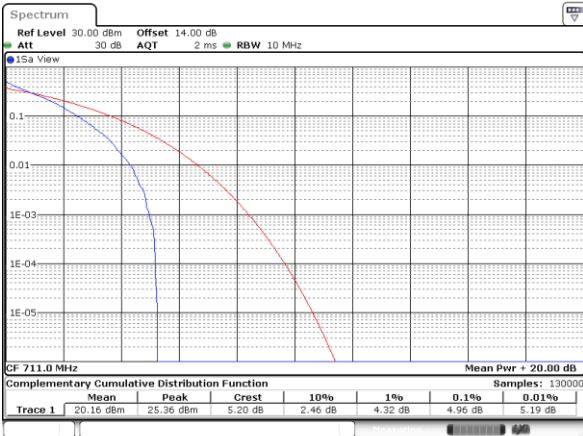
Date: 1.MAR.2023 03:22:13

Middle Channel / Full RB



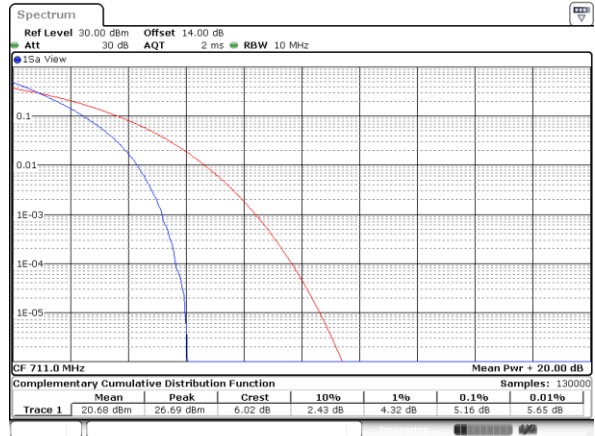
Date: 1.MAR.2023 03:22:39

Highest Channel / 1RB



Date: 1.MAR.2023 03:23:31

Highest Channel / Full RB

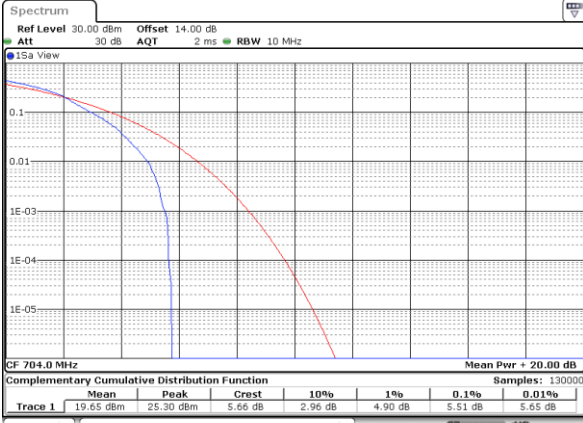


Date: 1.MAR.2023 03:23:05



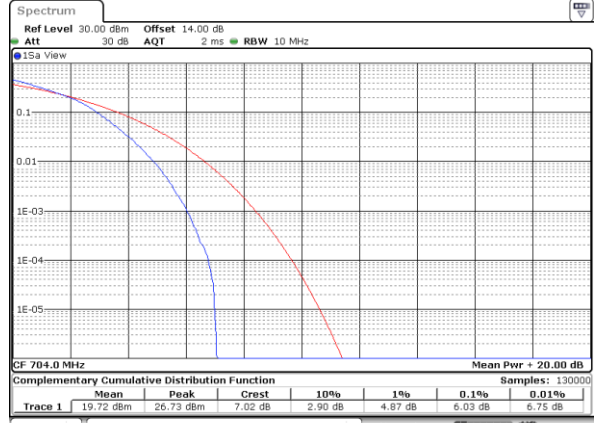
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



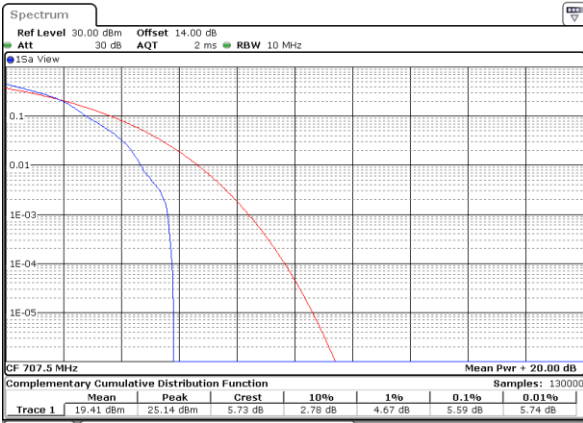
Date: 1.MAR.2023 03:19:05

Lowest Channel / Full RB



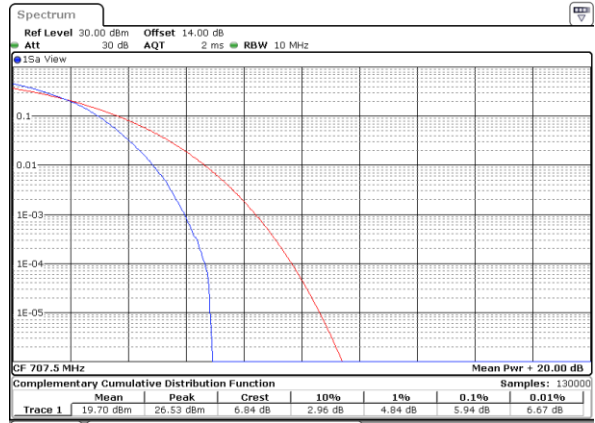
Date: 1.MAR.2023 03:19:38

Middle Channel / 1RB



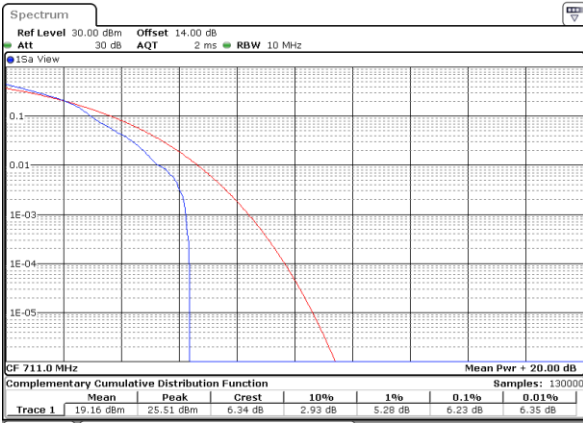
Date: 1.MAR.2023 03:19:31

Middle Channel / Full RB



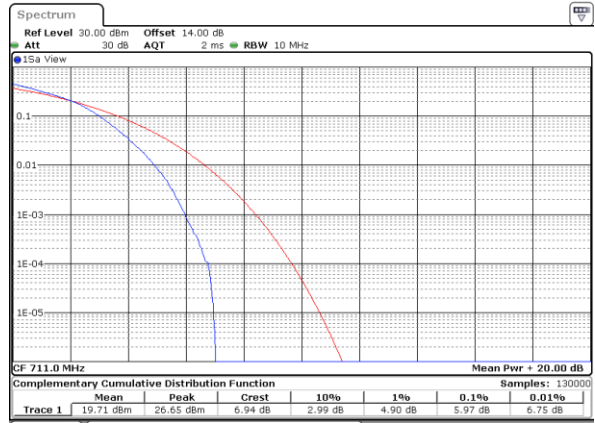
Date: 1.MAR.2023 03:19:58

Highest Channel / 1RB



Date: 1.MAR.2023 03:20:51

Highest Channel / Full RB

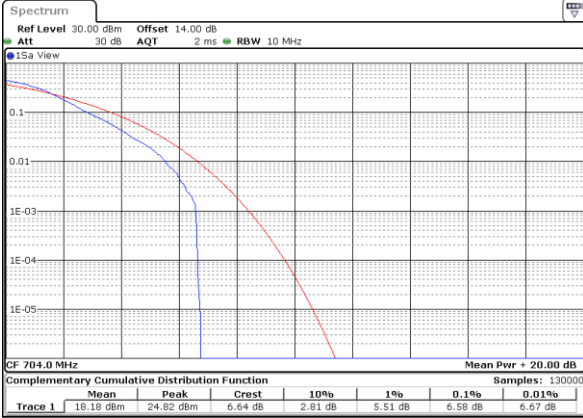


Date: 1.MAR.2023 03:20:24



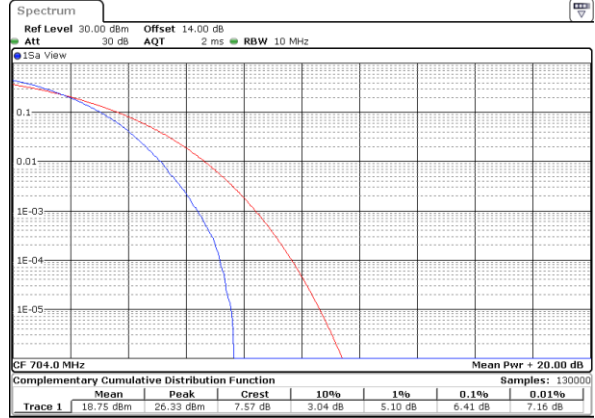
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



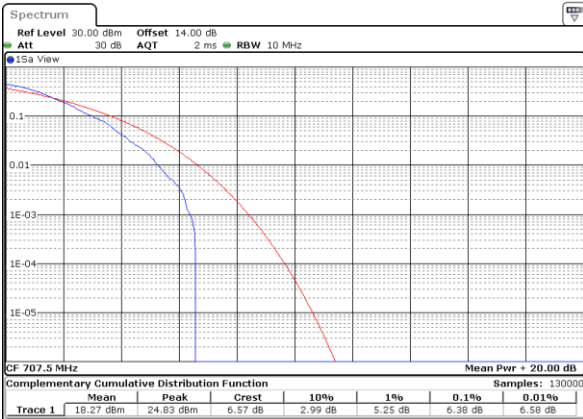
Date: 1.MAR.2023 03:16:23

Lowest Channel / Full RB



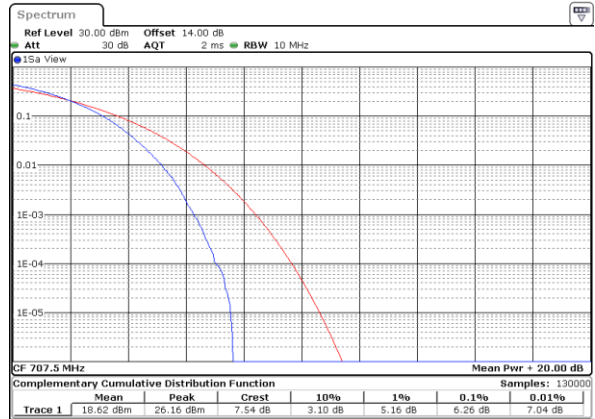
Date: 1.MAR.2023 03:15:57

Middle Channel / 1RB



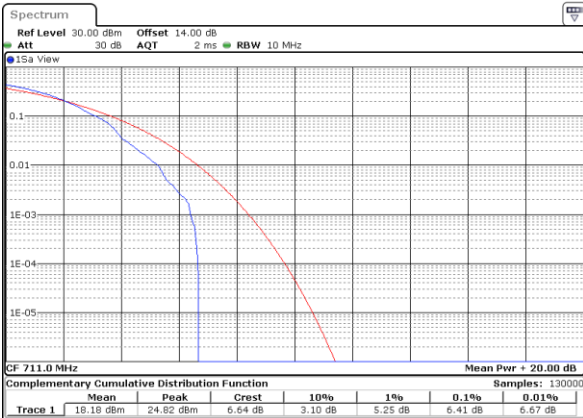
Date: 1.MAR.2023 03:16:50

Middle Channel / Full RB



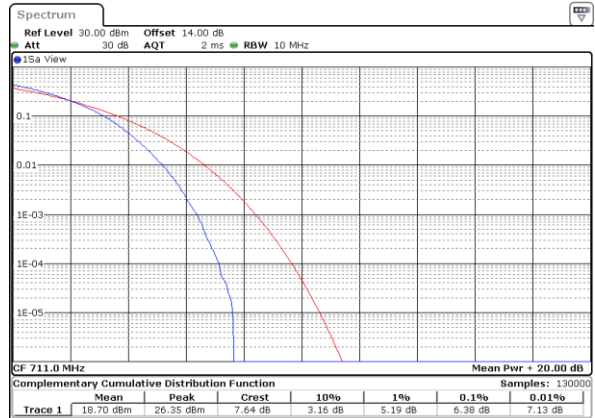
Date: 1.MAR.2023 03:17:17

Highest Channel / 1RB



Date: 1.MAR.2023 03:18:10

Highest Channel / Full RB



Date: 1.MAR.2023 03:17:43



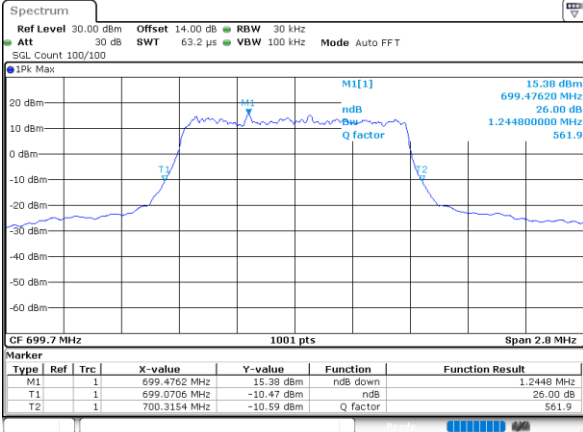
26dB Bandwidth

Mode	LTE Band 12 : 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	1.24	1.28	2.96	2.98	4.82	4.86	9.75	9.77	-	-	-	-
Middle CH	1.28	1.26	2.97	2.99	4.92	4.90	9.85	9.85	-	-	-	-
Highest CH	1.27	1.28	2.97	2.96	4.92	4.80	9.81	9.71	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.95	-	4.87	-	9.83	-	-	-	-	-
Middle CH	1.30	-	2.94	-	4.80	-	9.65	-	-	-	-	-
Highest CH	1.28	-	2.96	-	4.86	-	9.79	-	-	-	-	-



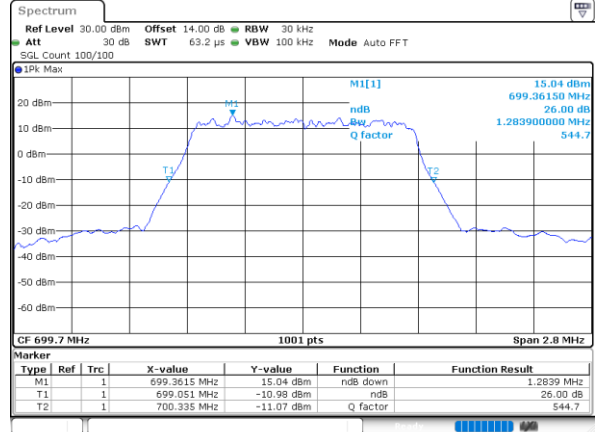
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



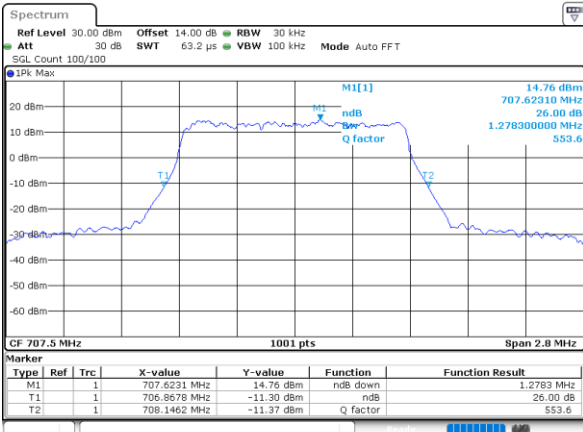
Date: 1.MAR.2023 00:47:38

Lowest Channel / 1.4MHz / 16QAM



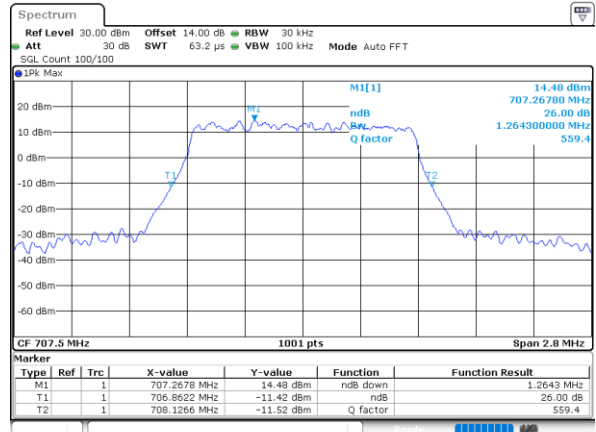
Date: 1.MAR.2023 00:47:14

Middle Channel / 1.4MHz / QPSK



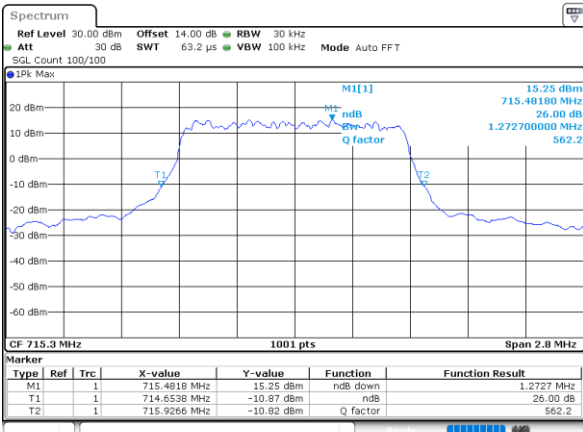
Date: 1.MAR.2023 00:57:21

Middle Channel / 1.4MHz / 16QAM



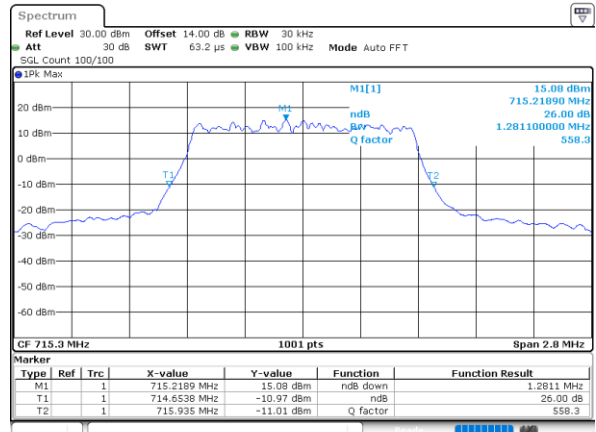
Date: 1.MAR.2023 00:57:44

Highest Channel / 1.4MHz / QPSK



Date: 1.MAR.2023 01:02:36

Highest Channel / 1.4MHz / 16QAM

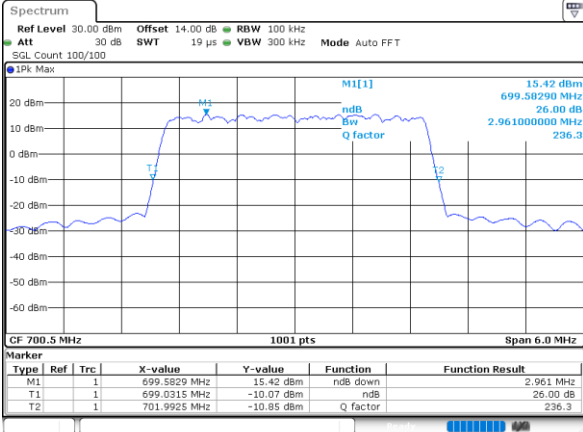


Date: 1.MAR.2023 01:02:12



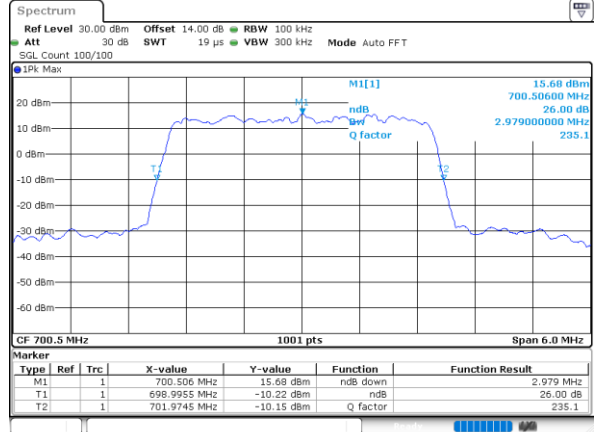
LTE Band 12

Lowest Channel / 3MHz / QPSK



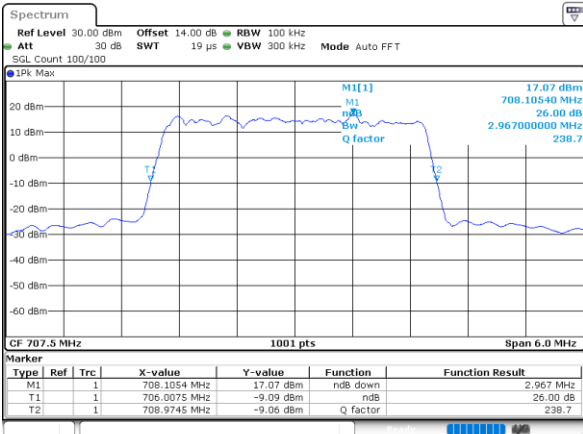
Date: 1.MAR.2023 01:25:03

Lowest Channel / 3MHz / 16QAM



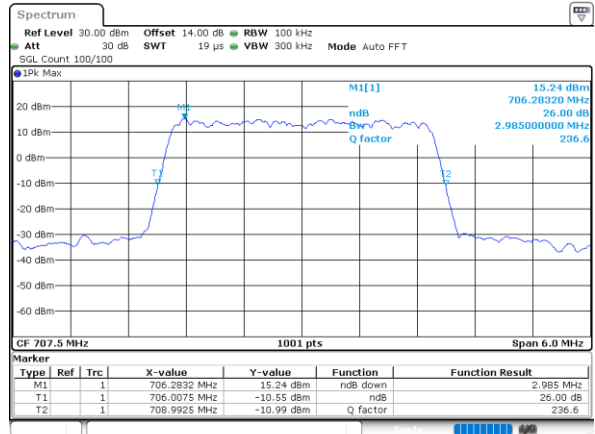
Date: 1.MAR.2023 01:24:39

Middle Channel / 3MHz / QPSK



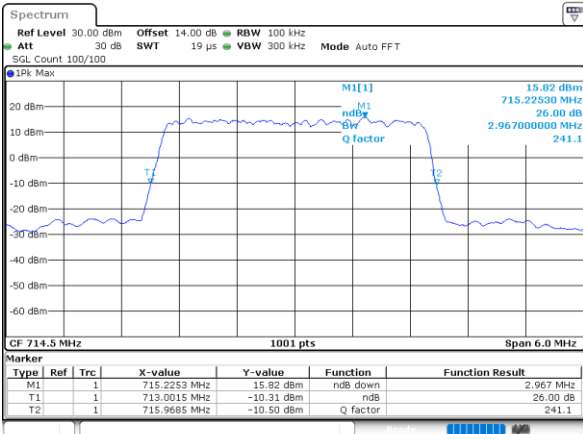
Date: 1.MAR.2023 01:34:45

Middle Channel / 3MHz / 16QAM



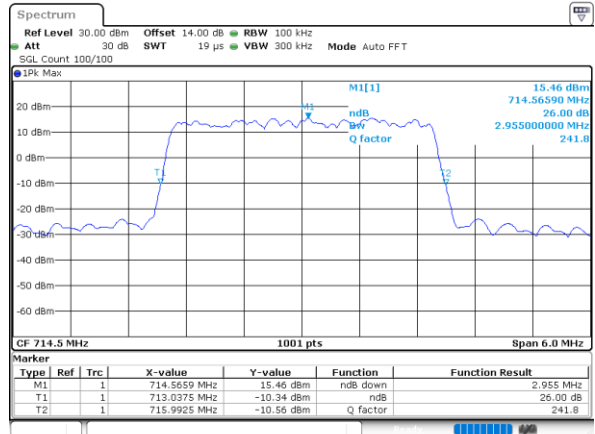
Date: 1.MAR.2023 01:35:08

Highest Channel / 3MHz / QPSK



Date: 1.MAR.2023 01:39:59

Highest Channel / 3MHz / 16QAM

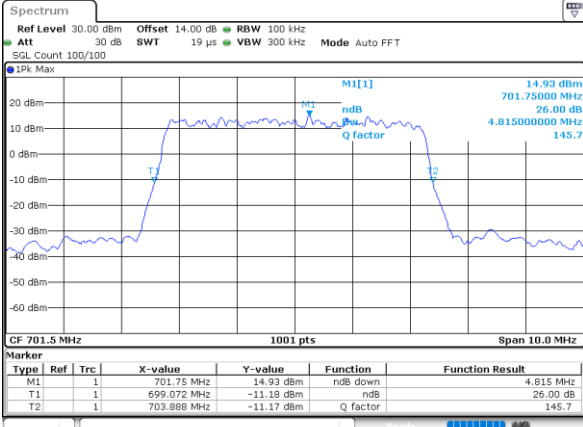


Date: 1.MAR.2023 01:39:35



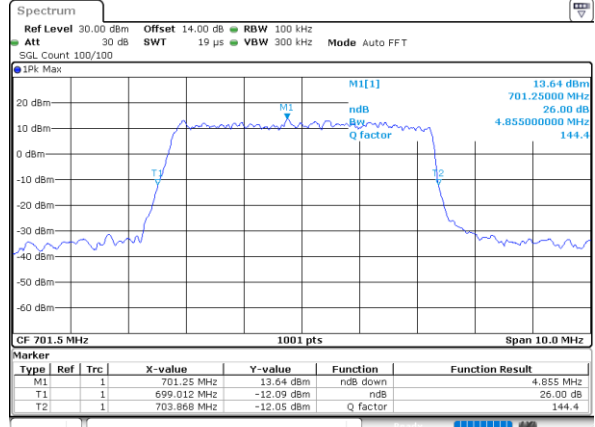
LTE Band 12

Lowest Channel / 5MHz / QPSK



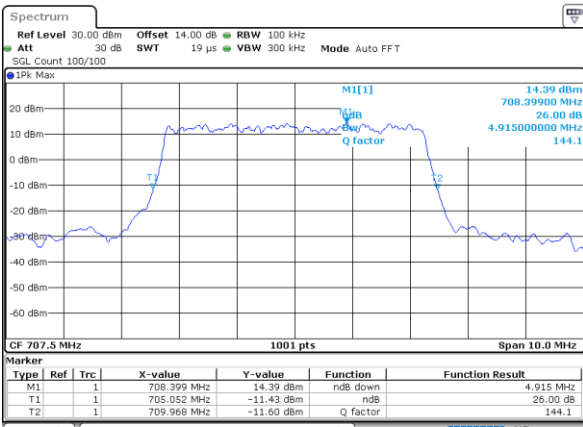
Date: 1.MAR.2023 02:14:31

Lowest Channel / 5MHz / 16QAM



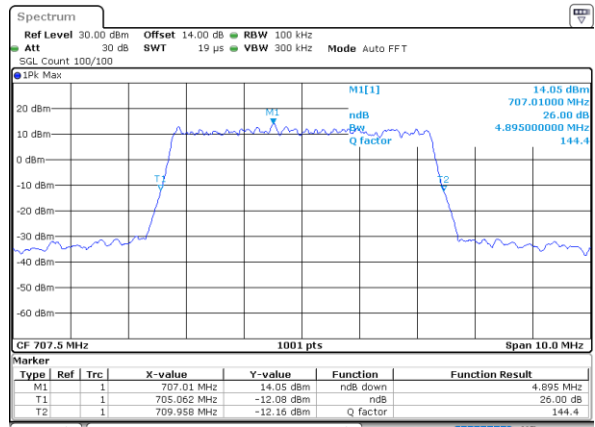
Date: 1.MAR.2023 02:14:07

Middle Channel / 5MHz / QPSK



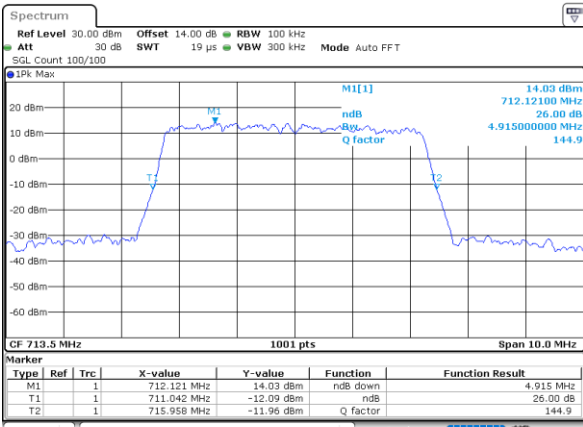
Date: 1.MAR.2023 02:24:11

Middle Channel / 5MHz / 16QAM



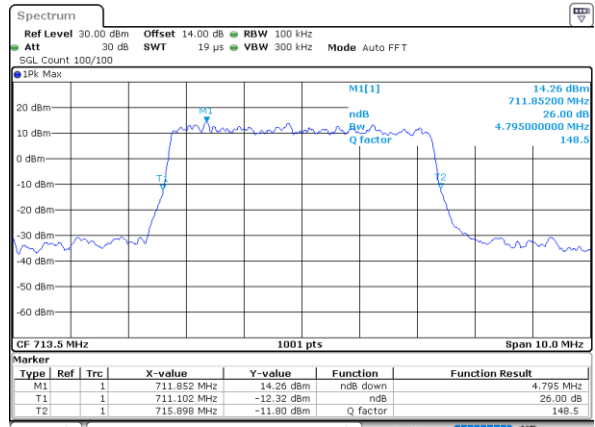
Date: 1.MAR.2023 02:24:35

Highest Channel / 5MHz / QPSK



Date: 1.MAR.2023 02:29:25

Highest Channel / 5MHz / 16QAM

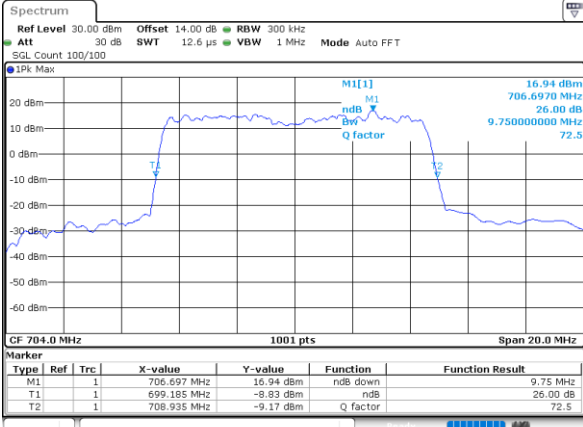


Date: 1.MAR.2023 02:29:02



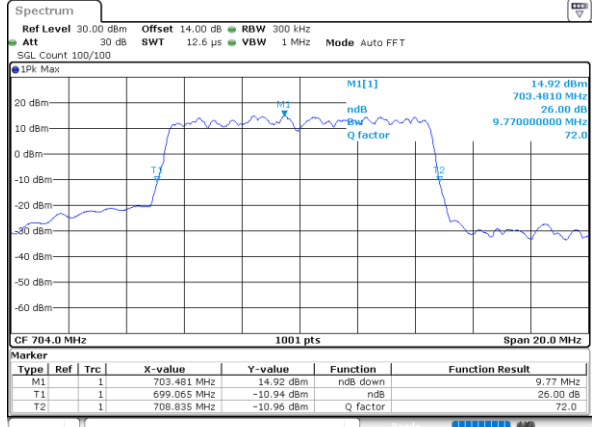
LTE Band 12

Lowest Channel / 10MHz / QPSK



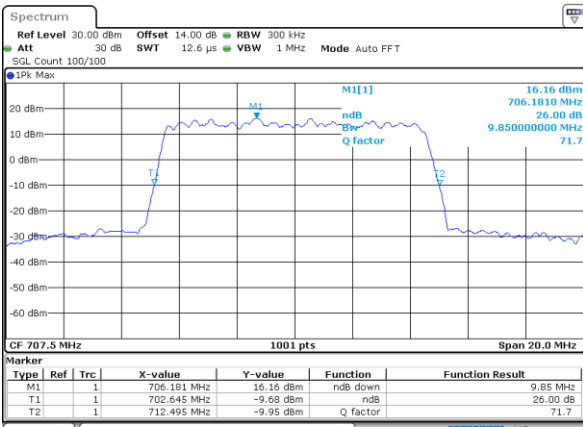
Date: 1.MAR.2023 02:39:40

Lowest Channel / 10MHz / 16QAM



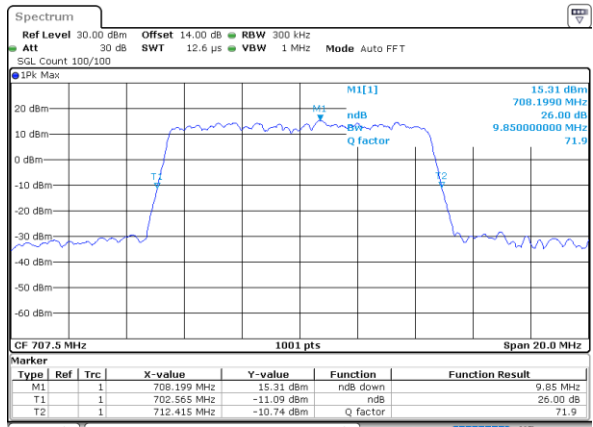
Date: 1.MAR.2023 02:39:15

Middle Channel / 10MHz / QPSK



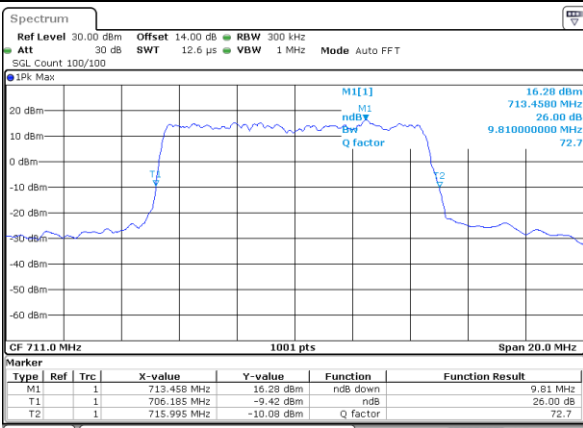
Date: 1.MAR.2023 02:49:21

Middle Channel / 10MHz / 16QAM



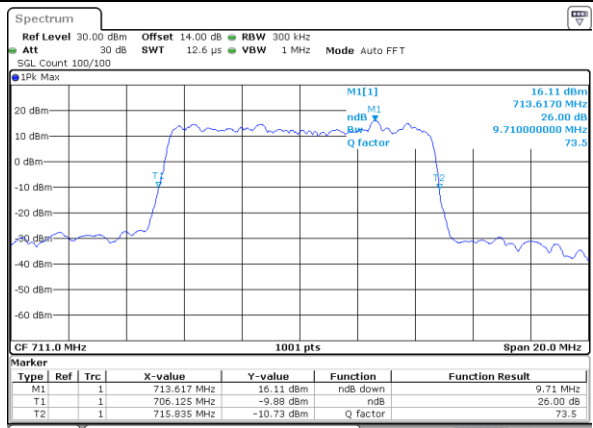
Date: 1.MAR.2023 02:49:45

Highest Channel / 10MHz / QPSK



Date: 1.MAR.2023 02:54:37

Highest Channel / 10MHz / 16QAM

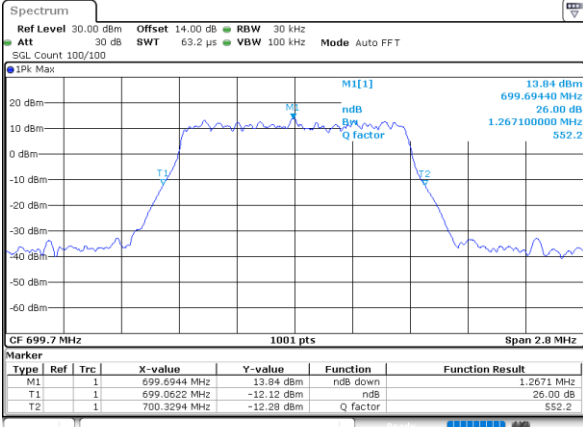


Date: 1.MAR.2023 02:54:13



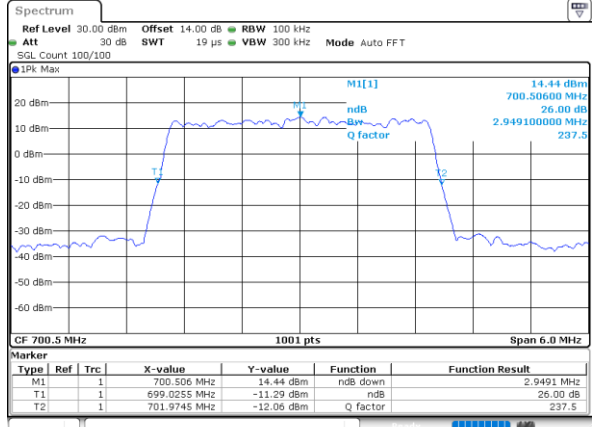
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



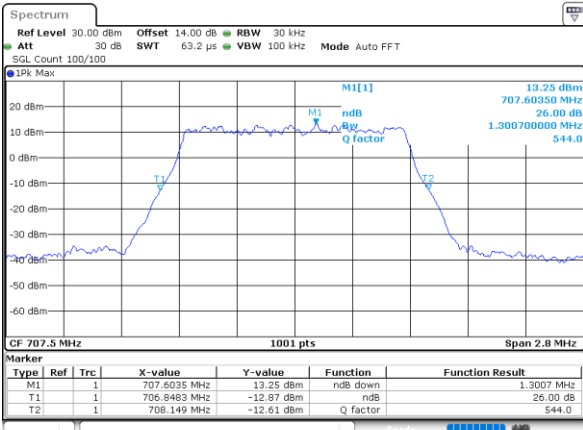
Date: 1.MAR.2023 01:12:05

Lowest Channel / 3MHz / 64QAM



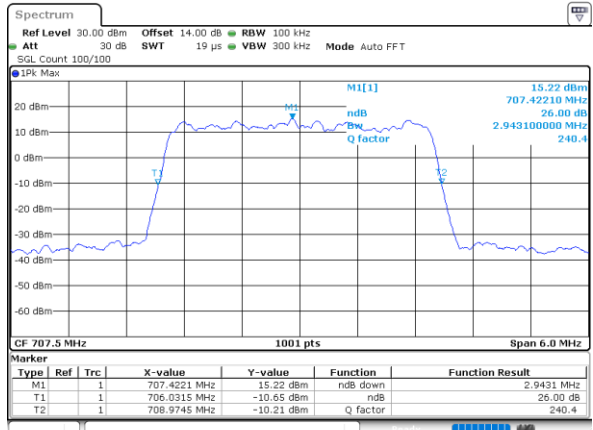
Date: 1.MAR.2023 01:49:27

Middle Channel / 1.4MHz / 64QAM



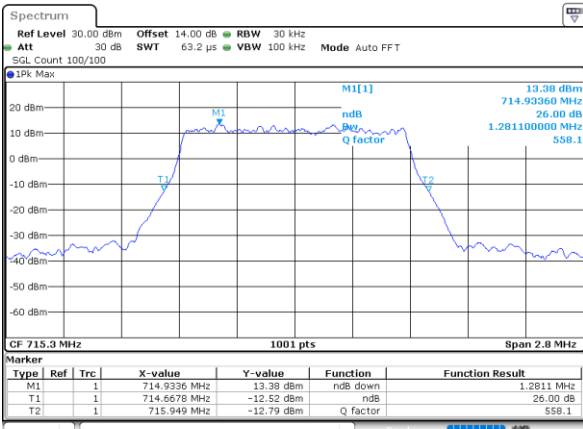
Date: 1.MAR.2023 01:16:55

Middle Channel / 3MHz / 64QAM



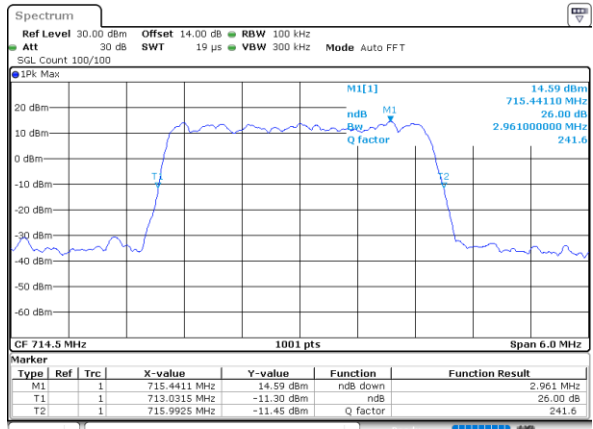
Date: 1.MAR.2023 01:54:17

Highest Channel / 1.4MHz / 64QAM



Date: 1.MAR.2023 01:19:15

Highest Channel / 3MHz / 64QAM

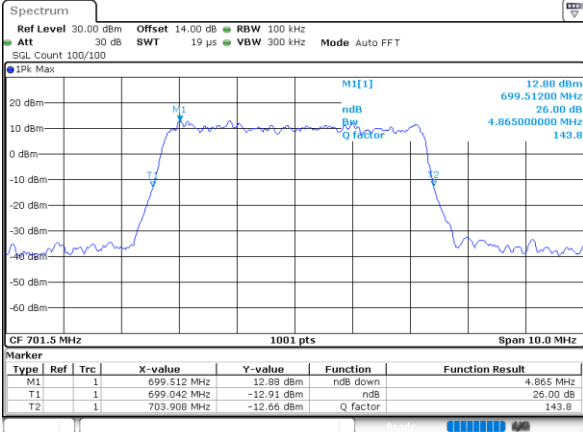


Date: 1.MAR.2023 01:56:38



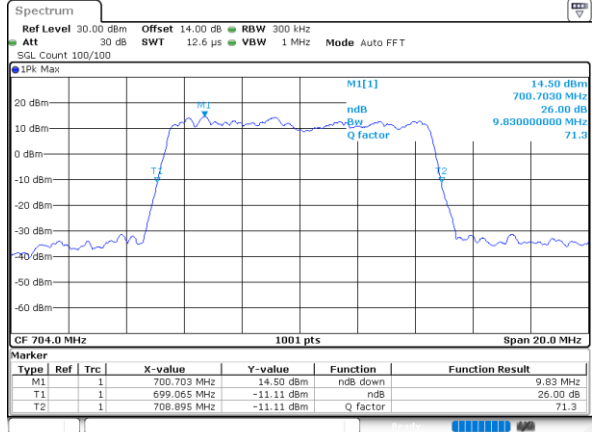
LTE Band 12

Lowest Channel / 5MHz / 64QAM



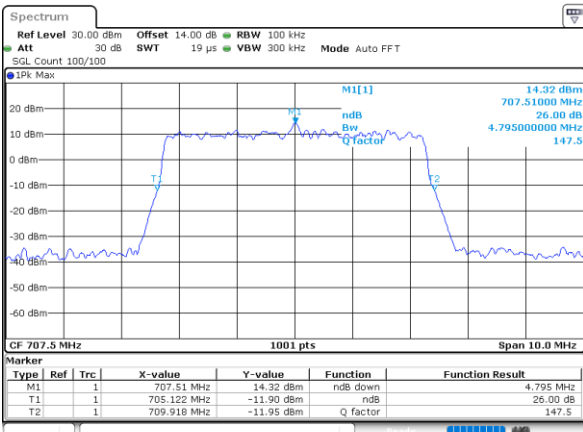
Date: 1.MAR.2023 02:01:37

Lowest Channel / 10MHz / 64QAM



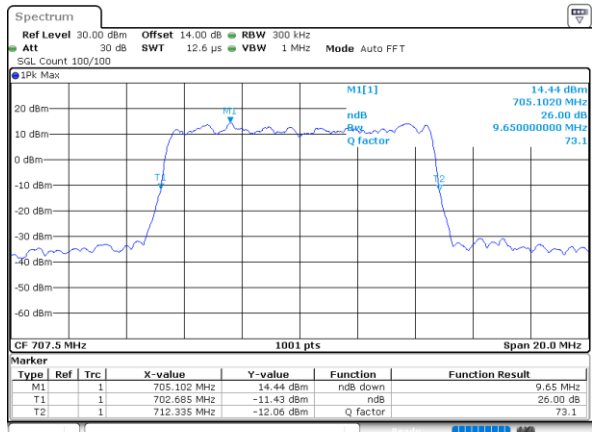
Date: 1.MAR.2023 03:04:03

Middle Channel / 5MHz / 64QAM



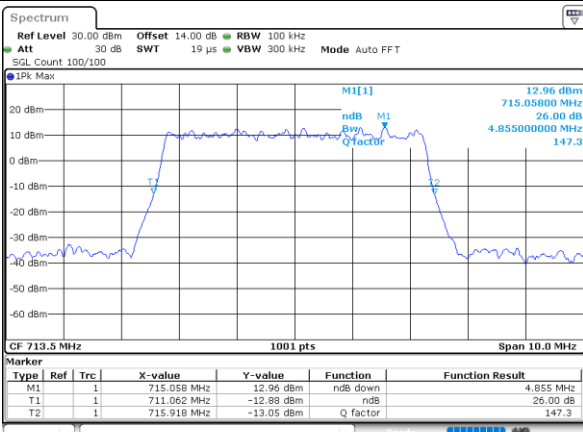
Date: 1.MAR.2023 02:06:26

Middle Channel / 10MHz / 64QAM



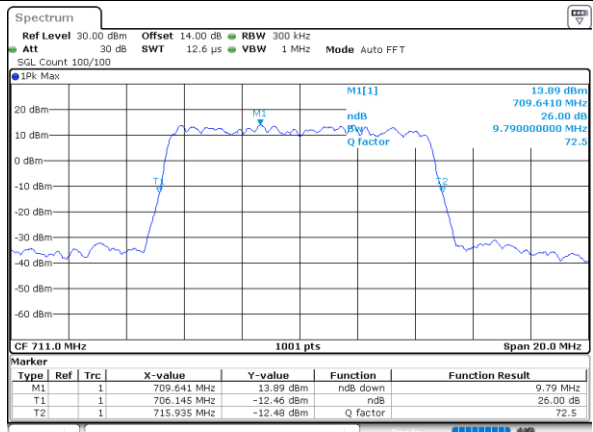
Date: 1.MAR.2023 03:08:51

Highest Channel / 5MHz / 64QAM



Date: 1.MAR.2023 02:08:47

Highest Channel / 10MHz / 64QAM



Date: 1.MAR.2023 03:11:13



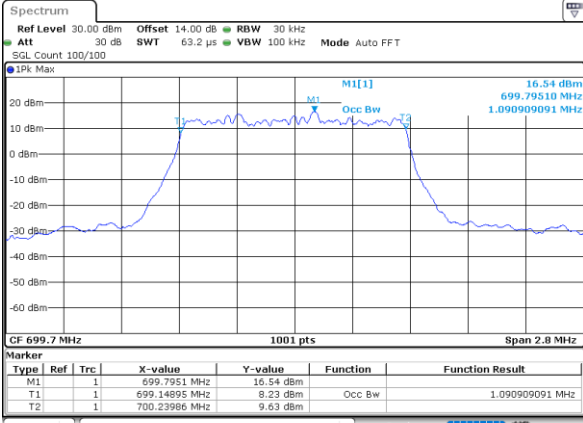
Occupied Bandwidth

Mode	LTE Band 12 : 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	2.70	2.72	4.47	4.49	9.03	9.03	-	-	-	-
Middle CH	1.09	1.10	2.72	2.71	4.49	4.51	8.97	9.01	-	-	-	-
Highest CH	1.09	1.09	2.72	2.72	4.48	4.47	9.03	8.99	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.70	-	4.48	-	9.01	-	-	-	-	-
Middle CH	1.09	-	2.69	-	4.48	-	8.99	-	-	-	-	-
Highest CH	1.09	-	2.72	-	4.51	-	9.03	-	-	-	-	-



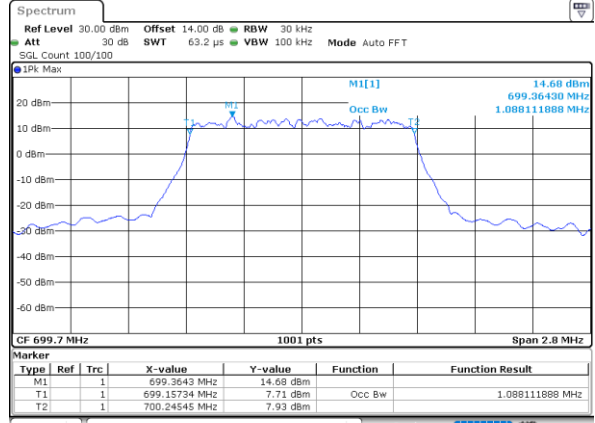
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



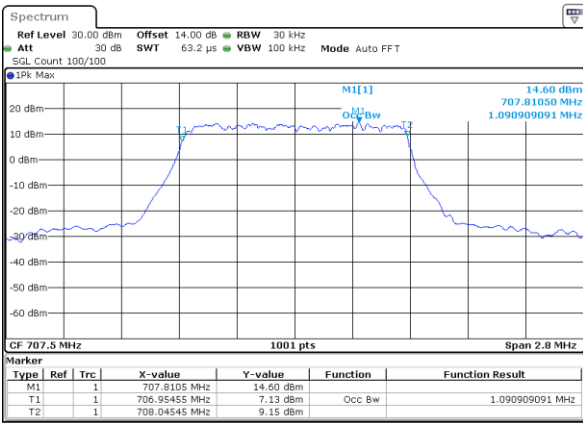
Date: 1.MAR.2023 00:46:36

Lowest Channel / 1.4MHz / 16QAM



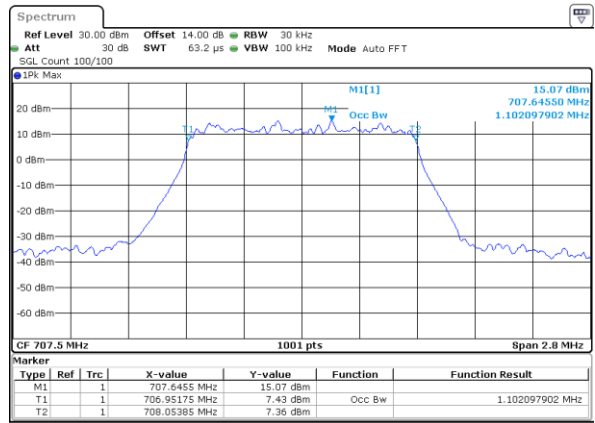
Date: 1.MAR.2023 00:47:00

Middle Channel / 1.4MHz / QPSK



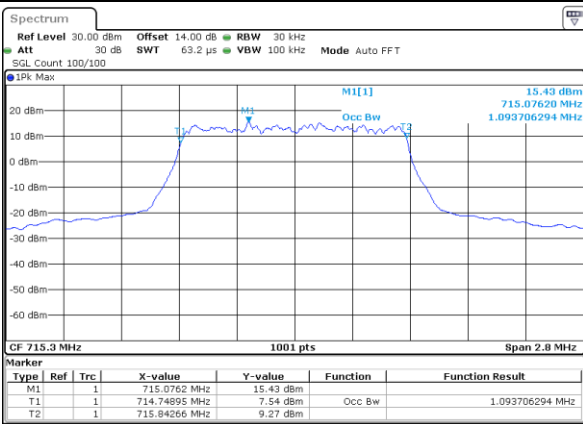
Date: 1.MAR.2023 00:57:06

Middle Channel / 1.4MHz / 16QAM



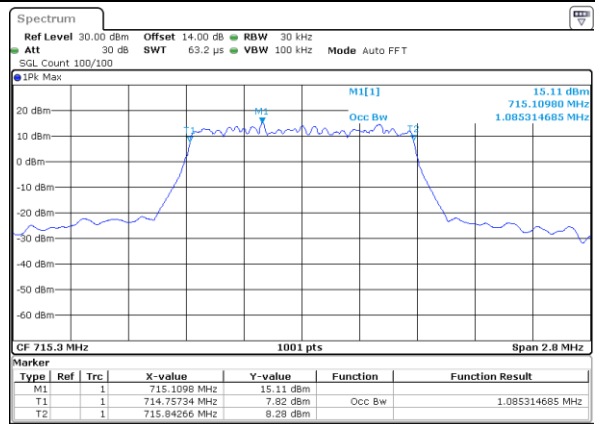
Date: 1.MAR.2023 00:56:43

Highest Channel / 1.4MHz / QPSK



Date: 1.MAR.2023 01:01:34

Highest Channel / 1.4MHz / 16QAM

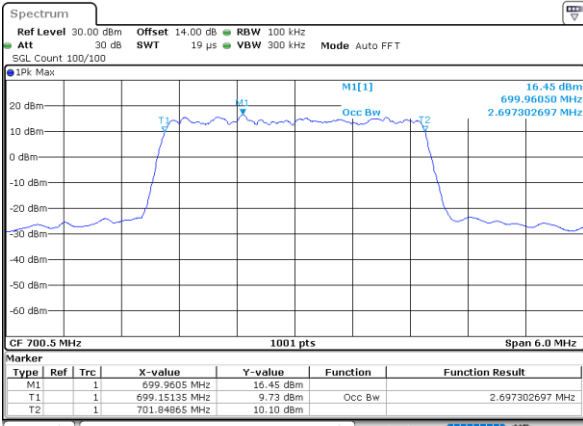


Date: 1.MAR.2023 01:01:58



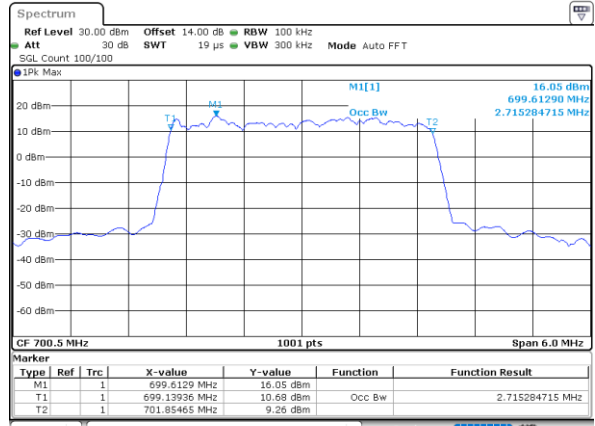
LTE Band 12

Lowest Channel / 3MHz / QPSK



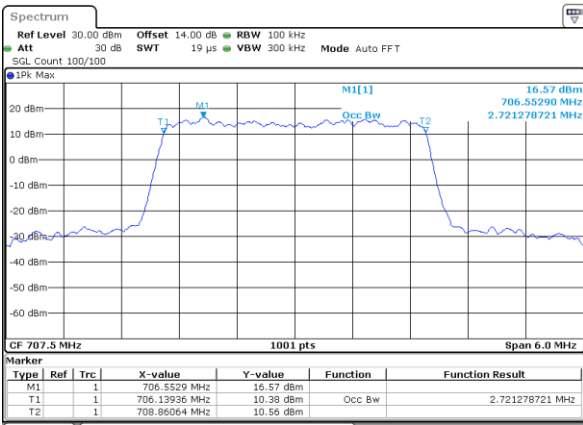
Date: 1.MAR.2023 01:24:00

Lowest Channel / 3MHz / 16QAM



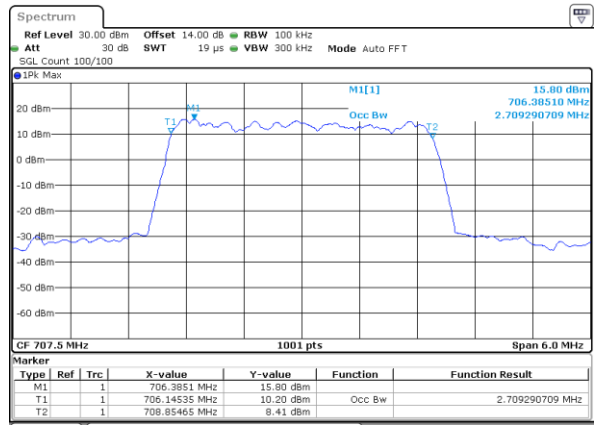
Date: 1.MAR.2023 01:24:24

Middle Channel / 3MHz / QPSK



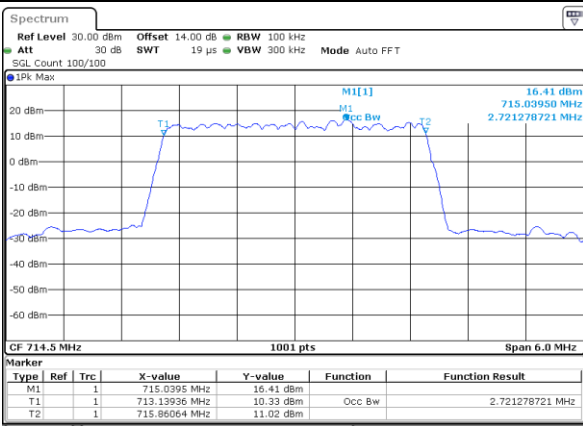
Date: 1.MAR.2023 01:34:30

Middle Channel / 3MHz / 16QAM



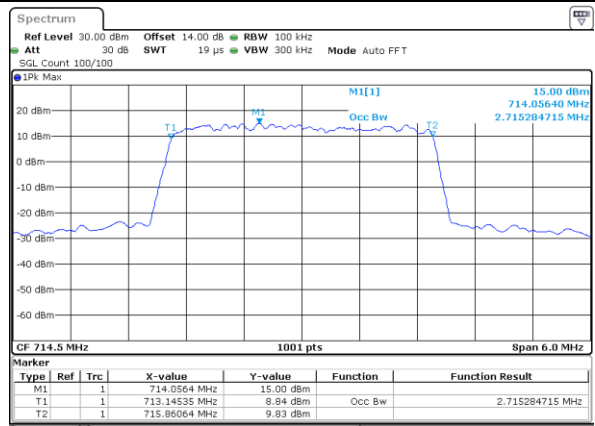
Date: 1.MAR.2023 01:34:06

Highest Channel / 3MHz / QPSK



Date: 1.MAR.2023 01:38:57

Highest Channel / 3MHz / 16QAM

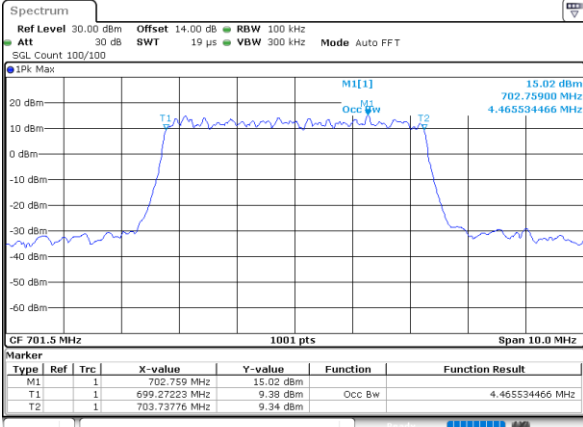


Date: 1.MAR.2023 01:39:21



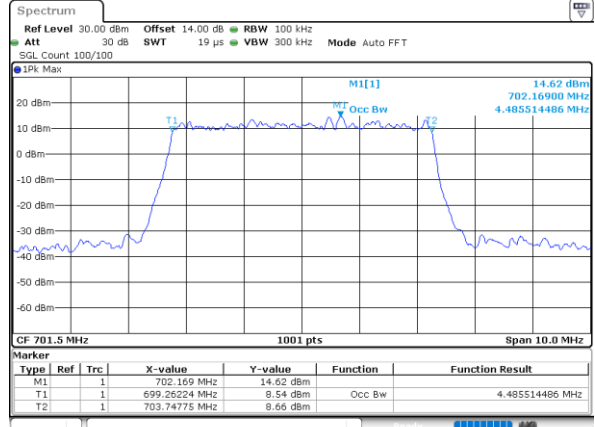
LTE Band 12

Lowest Channel / 5MHz / QPSK



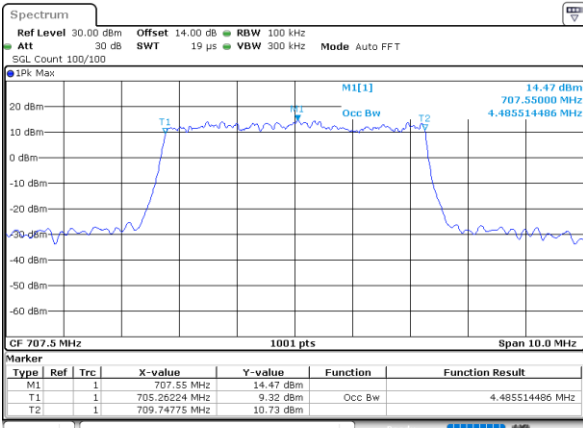
Date: 1.MAR.2023 02:13:29

Lowest Channel / 5MHz / 16QAM



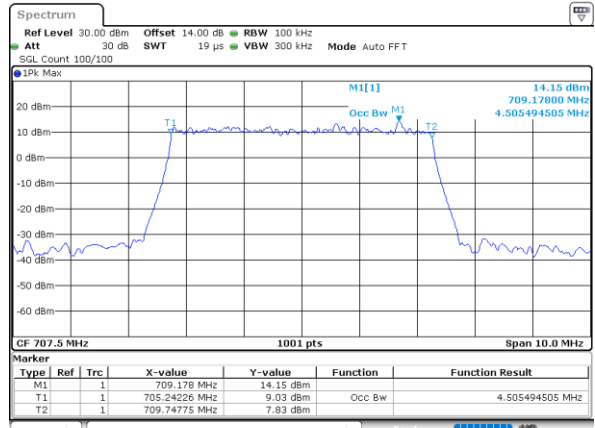
Date: 1.MAR.2023 02:13:53

Middle Channel / 5MHz / QPSK



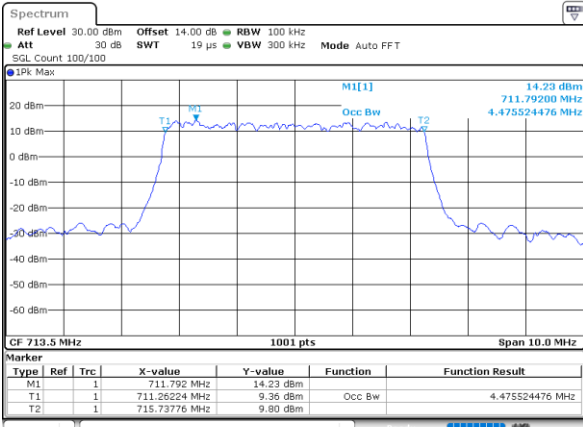
Date: 1.MAR.2023 02:23:56

Middle Channel / 5MHz / 16QAM



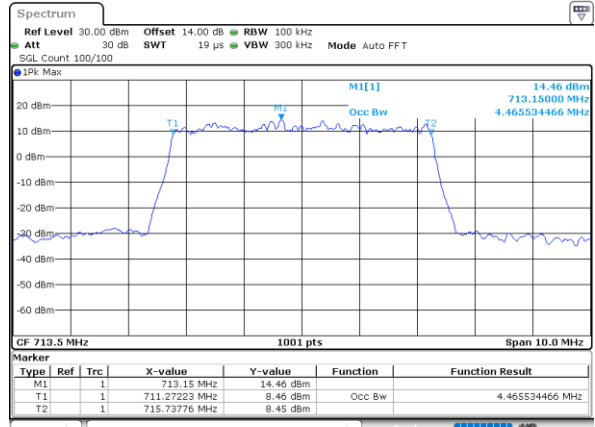
Date: 1.MAR.2023 02:23:33

Highest Channel / 5MHz / QPSK



Date: 1.MAR.2023 02:28:23

Highest Channel / 5MHz / 16QAM

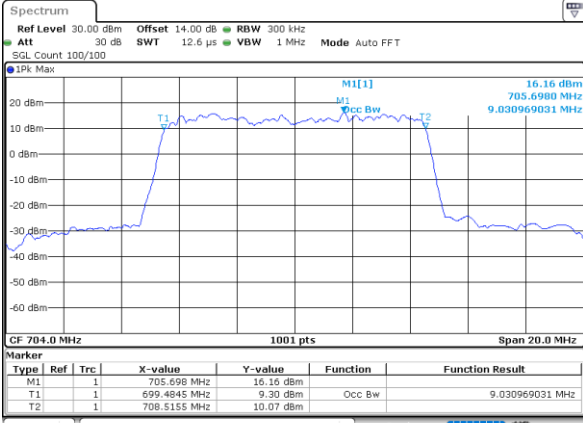


Date: 1.MAR.2023 02:28:47



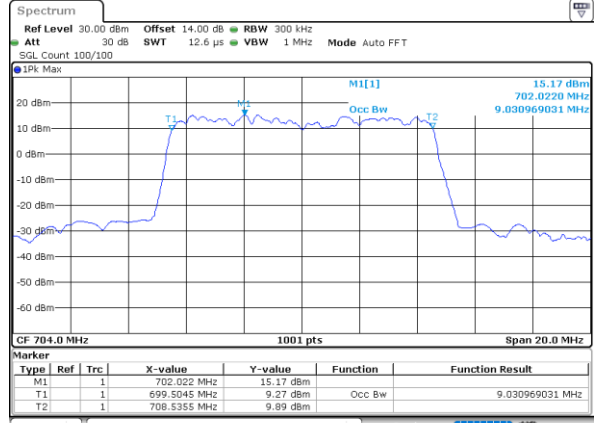
LTE Band 12

Lowest Channel / 10MHz / QPSK



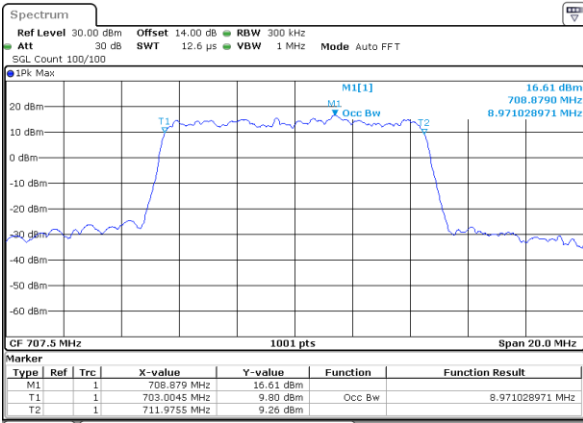
Date: 1.MAR.2023 02:38:36

Lowest Channel / 10MHz / 16QAM



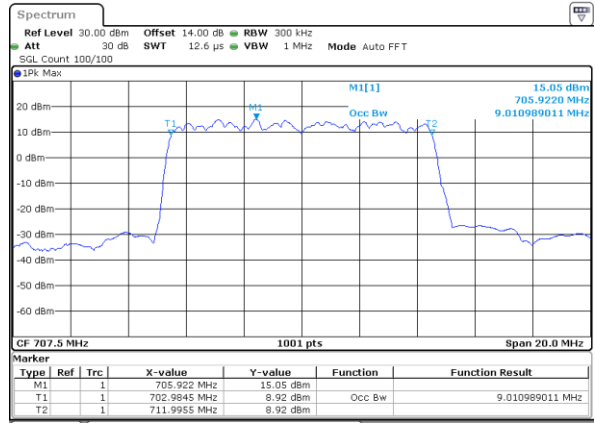
Date: 1.MAR.2023 02:39:00

Middle Channel / 10MHz / QPSK



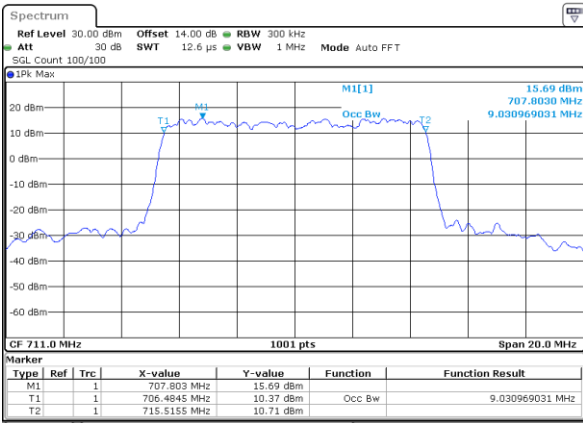
Date: 1.MAR.2023 02:49:06

Middle Channel / 10MHz / 16QAM



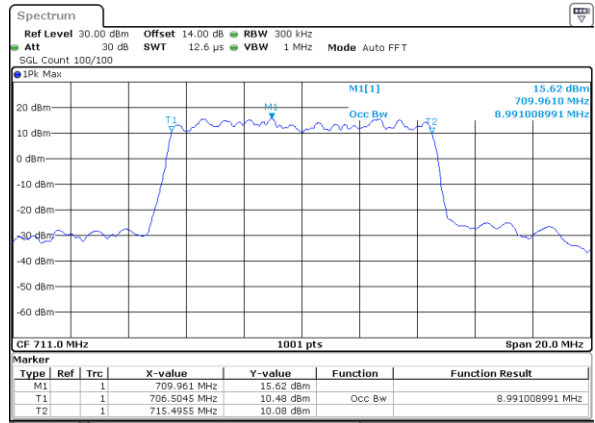
Date: 1.MAR.2023 02:48:42

Highest Channel / 10MHz / QPSK



Date: 1.MAR.2023 02:53:34

Highest Channel / 10MHz / 16QAM

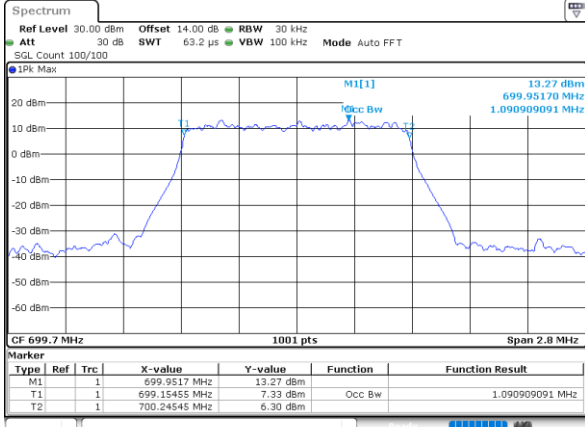


Date: 1.MAR.2023 02:53:58



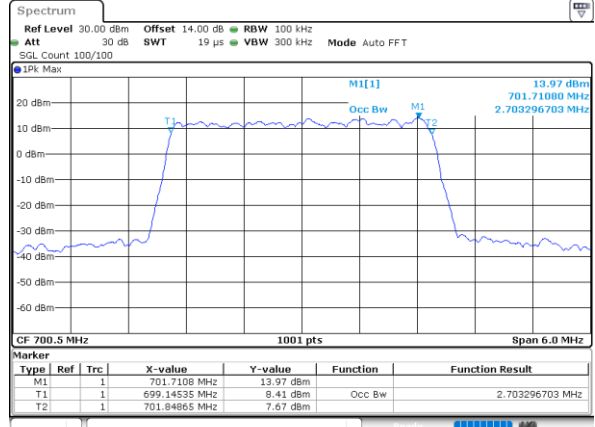
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



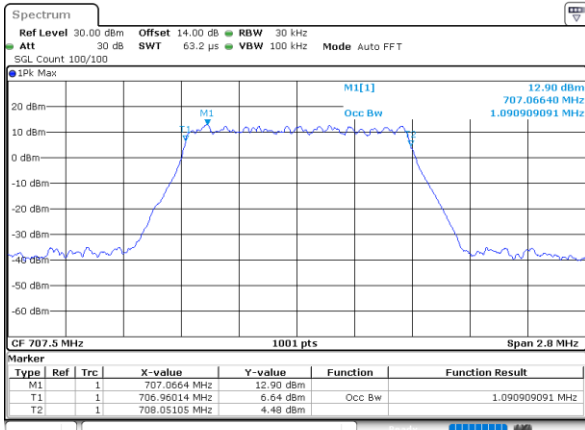
Date: 1.MAR.2023 01:11:50

Lowest Channel / 3MHz / 64QAM



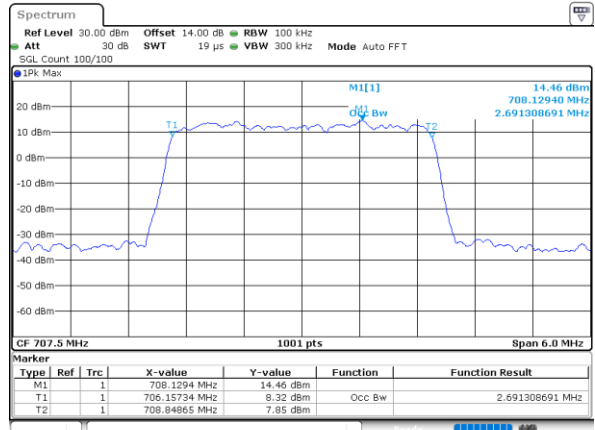
Date: 1.MAR.2023 01:49:12

Middle Channel / 1.4MHz / 64QAM



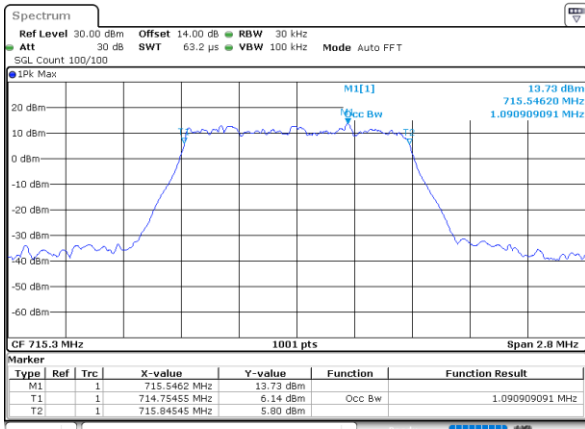
Date: 1.MAR.2023 01:16:40

Middle Channel / 3MHz / 64QAM



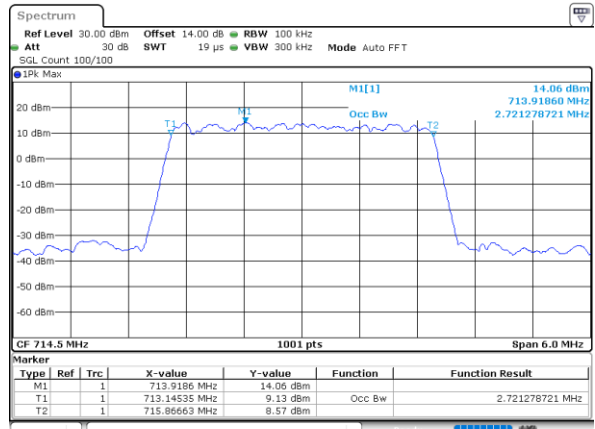
Date: 1.MAR.2023 01:54:02

Highest Channel / 1.4MHz / 64QAM



Date: 1.MAR.2023 01:19:00

Highest Channel / 3MHz / 64QAM



Date: 1.MAR.2023 01:56:23