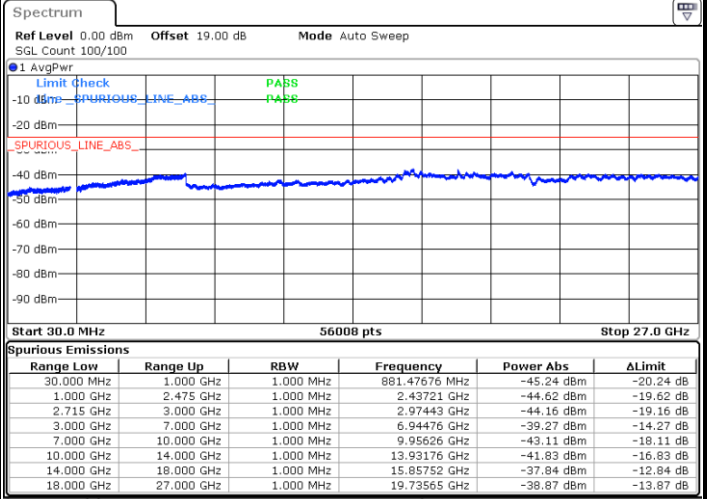
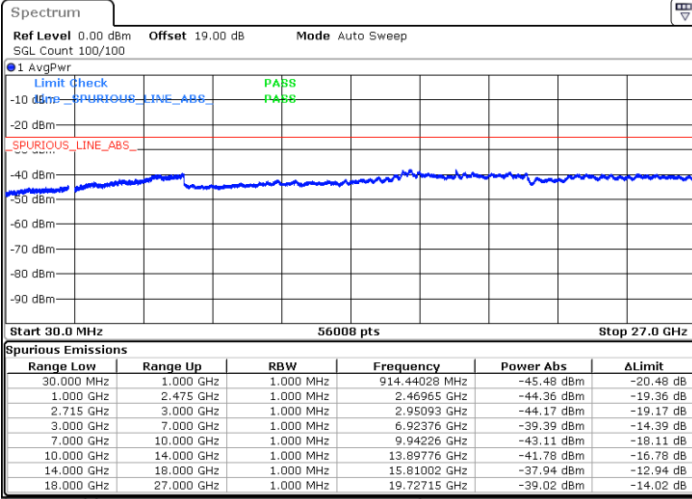




LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

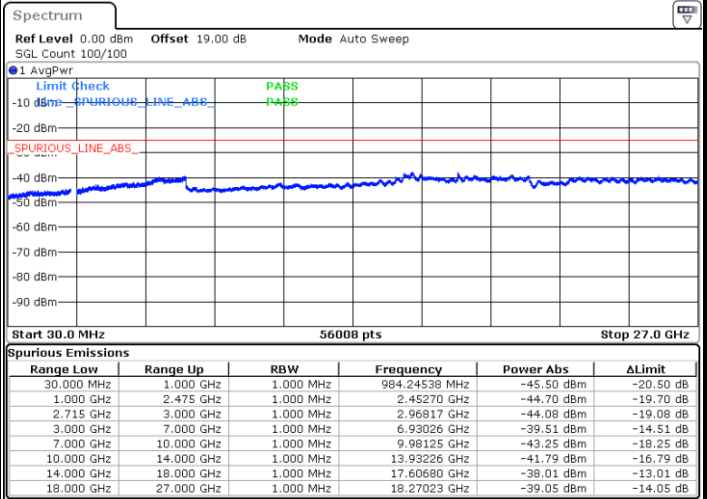
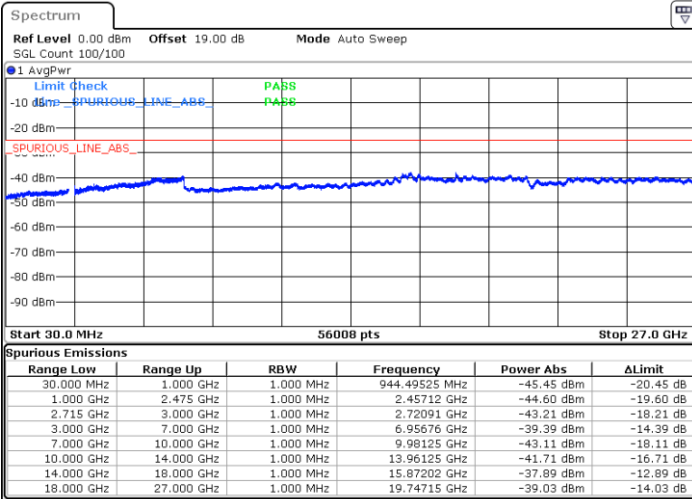


Date: 16.MAY.2023 09:33:51

Date: 16.MAY.2023 09:35:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.MAY.2023 09:36:08

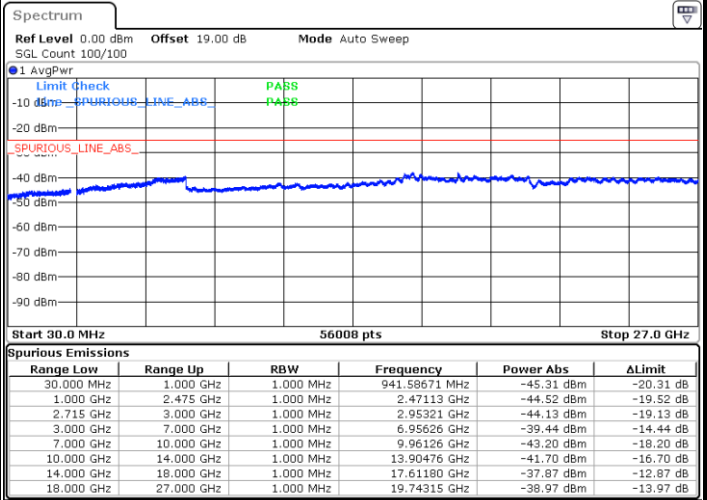
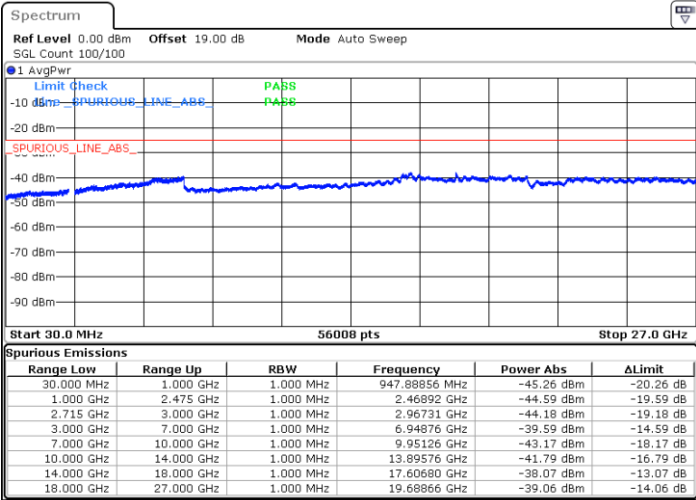
Date: 16.MAY.2023 09:37:17



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

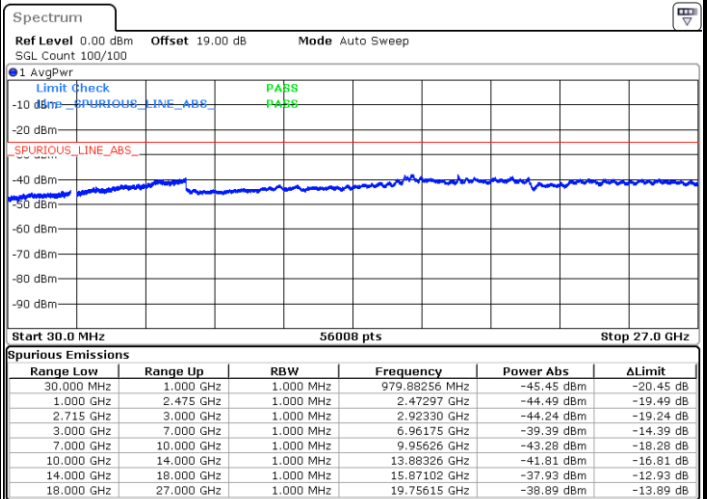
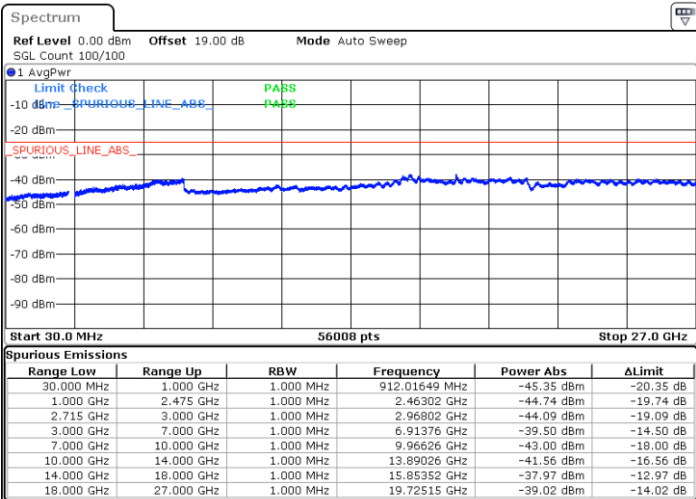


Date: 16.MAY.2023 09:38:26

Date: 16.MAY.2023 09:39:36

Middle Channel / QPSK

Middle Channel / 16QAM



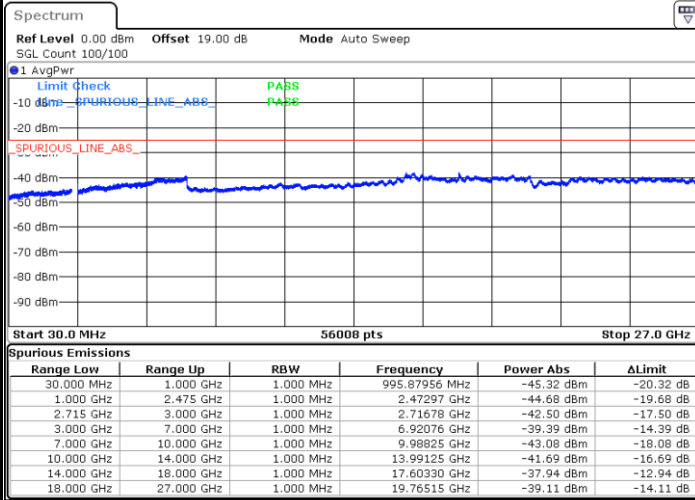
Date: 16.MAY.2023 09:40:44

Date: 16.MAY.2023 09:41:53



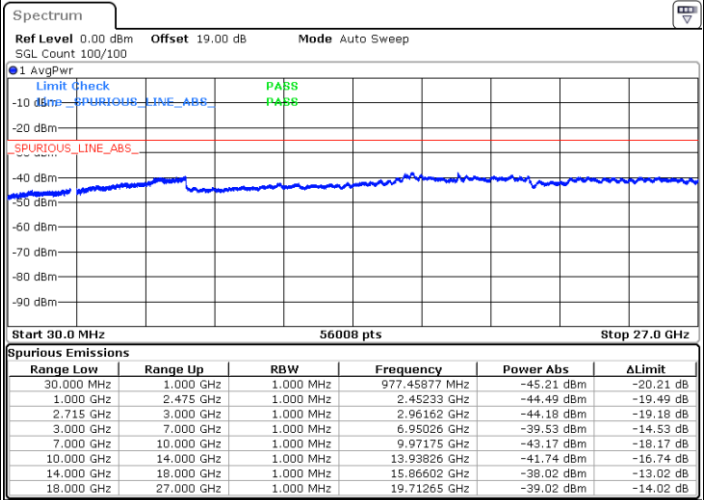
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 16.MAY.2023 09:43:01

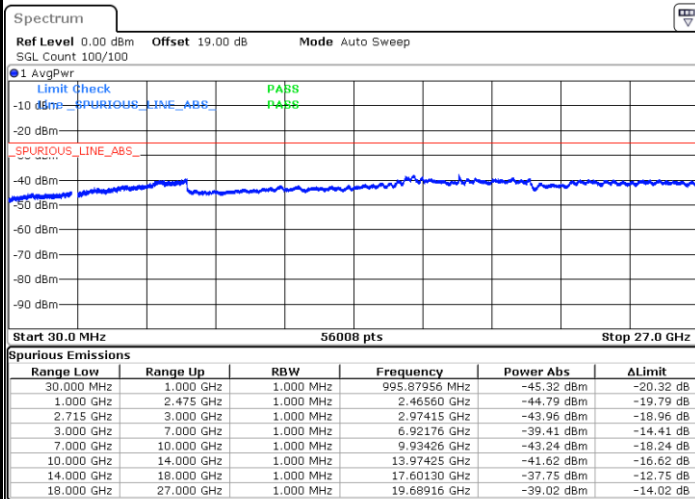
Highest Channel / 16QAM



Date: 16.MAY.2023 09:44:10

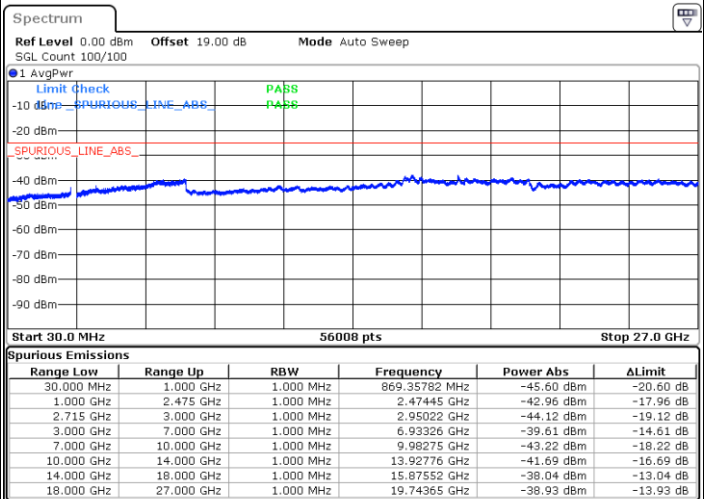
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 16.MAY.2023 09:45:19

Lowest Channel / 16QAM



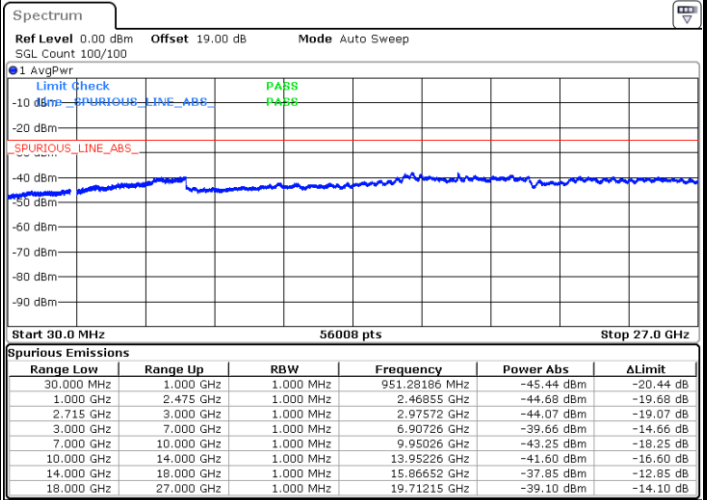
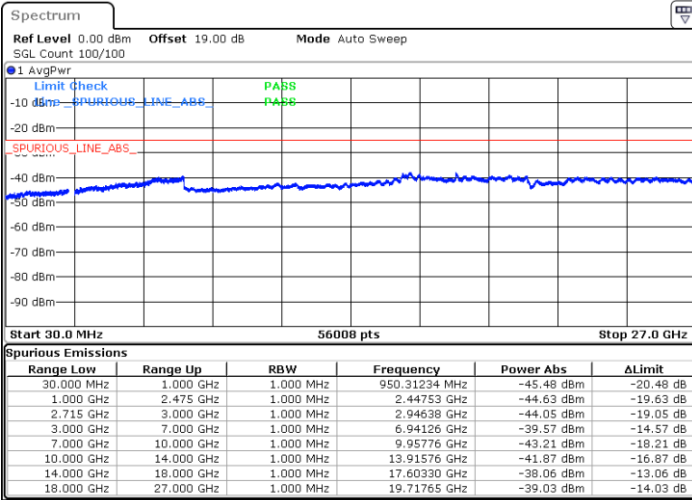
Date: 16.MAY.2023 09:46:27



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

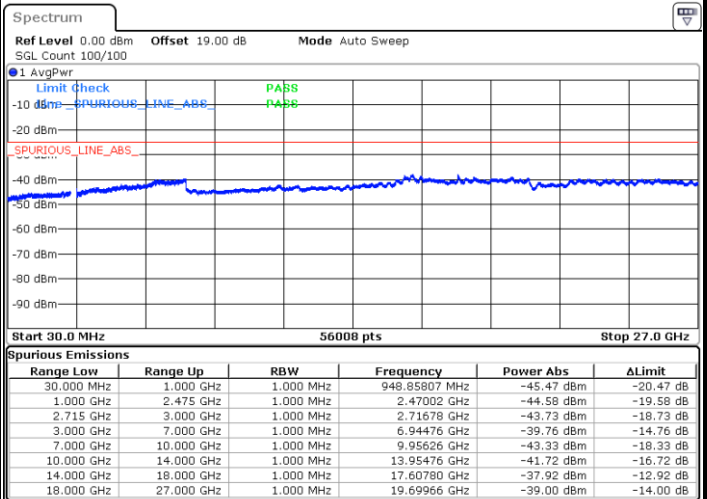
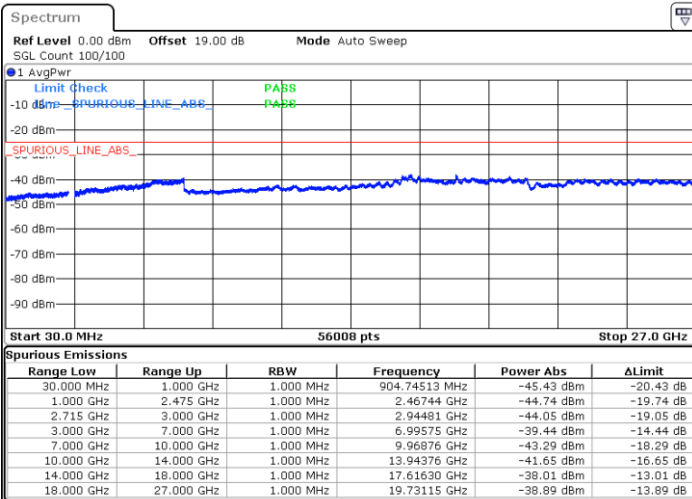


Date: 16.MAY.2023 09:47:36

Date: 16.MAY.2023 09:48:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.MAY.2023 09:49:52

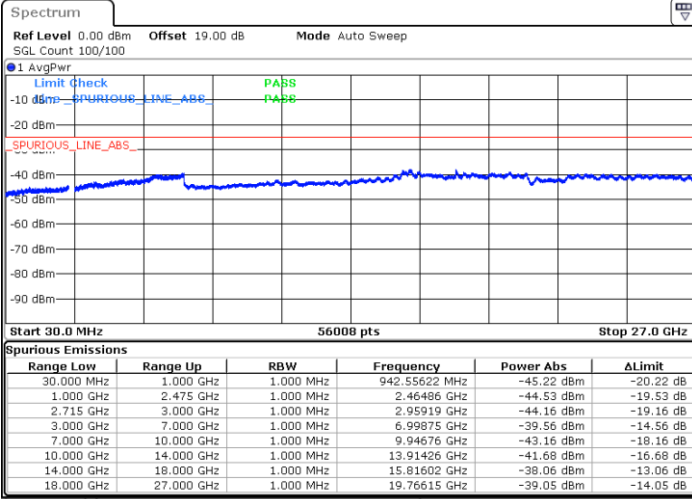
Date: 16.MAY.2023 09:51:01



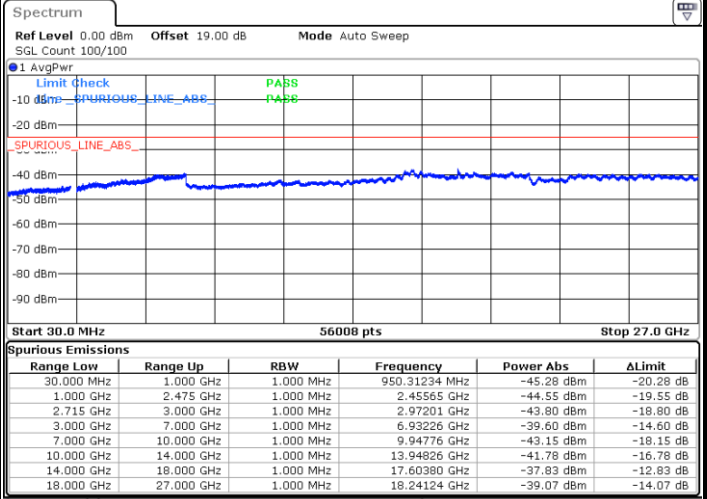
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

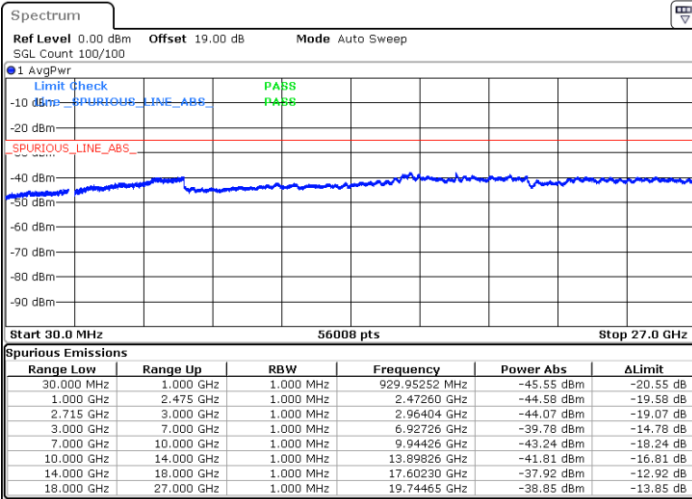


Date: 16.MAY.2023 10:17:03



Date: 16.MAY.2023 10:18:11

Highest Channel / 64QAM



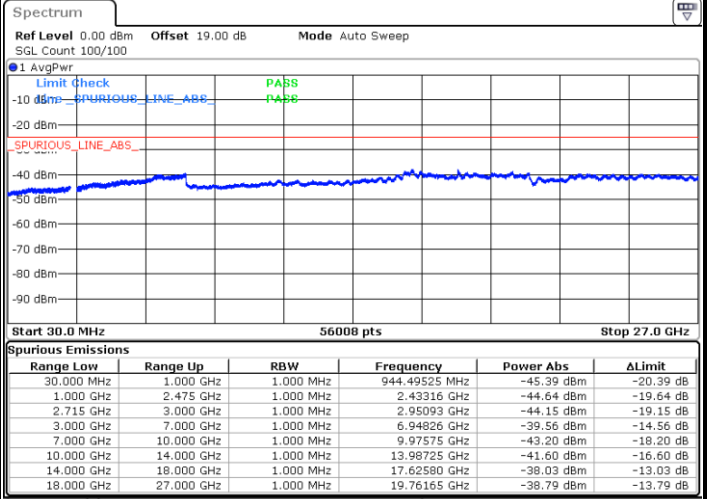
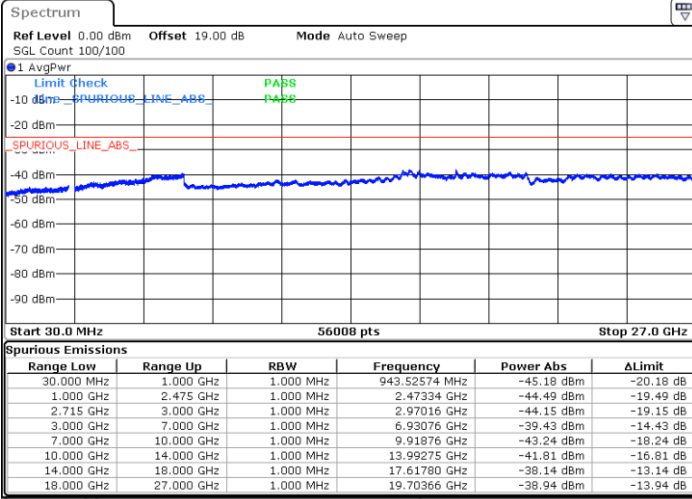
Date: 16.MAY.2023 10:19:20



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

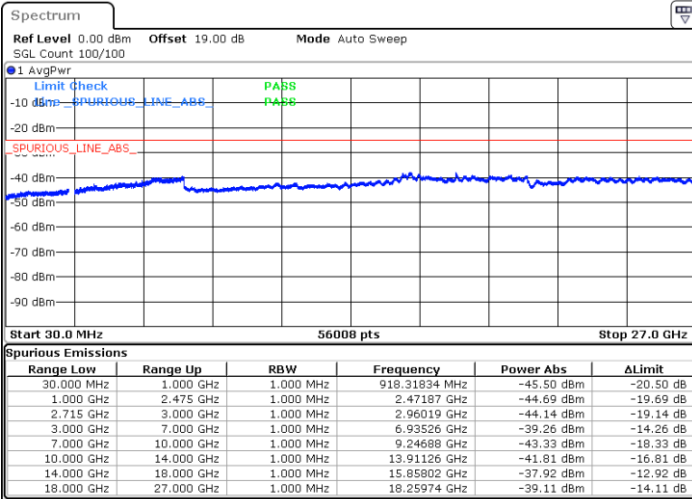
Middle Channel / 64QAM



Date: 16.MAY.2023 10:20:29

Date: 16.MAY.2023 10:21:37

Highest Channel / 64QAM



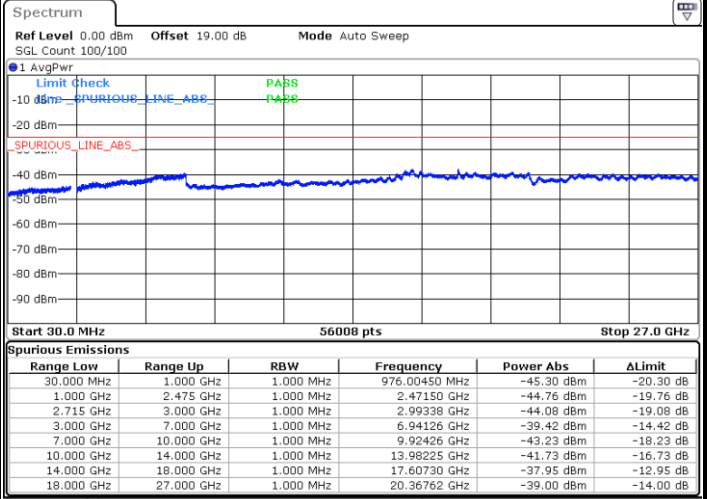
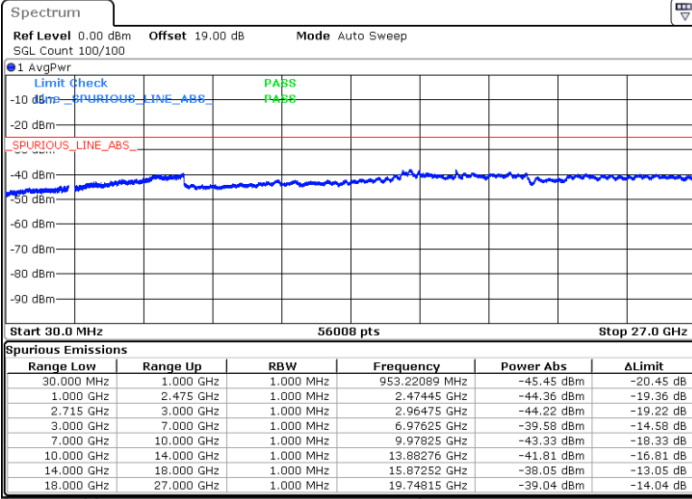
Date: 16.MAY.2023 10:22:46



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

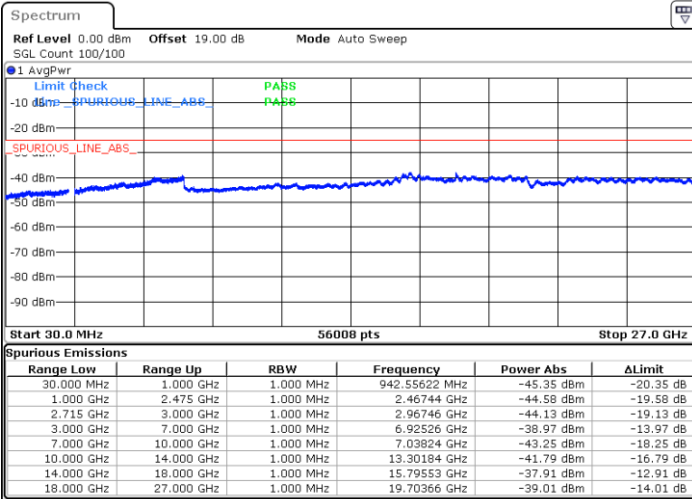
Middle Channel / 64QAM



Date: 16.MAY.2023 10:23:55

Date: 16.MAY.2023 10:25:03

Highest Channel / 64QAM



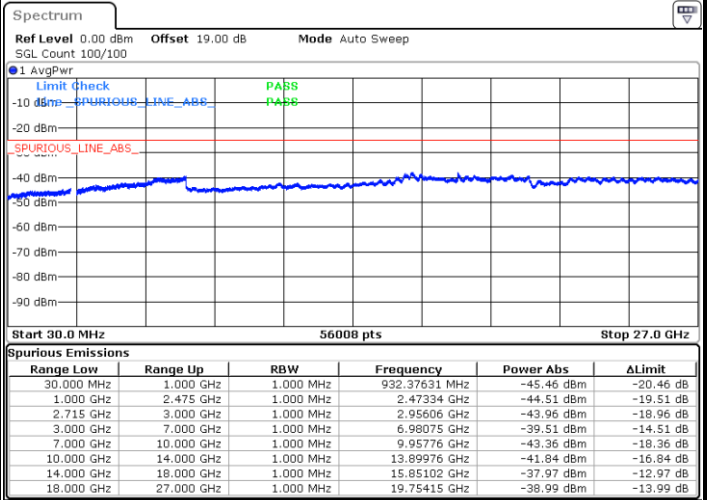
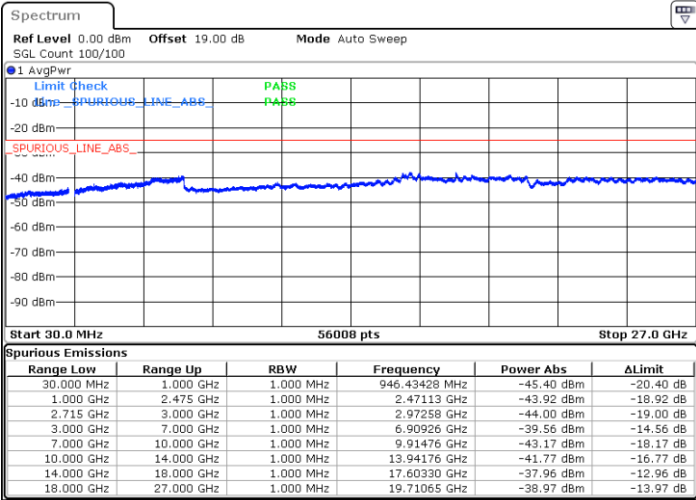
Date: 16.MAY.2023 10:26:11



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

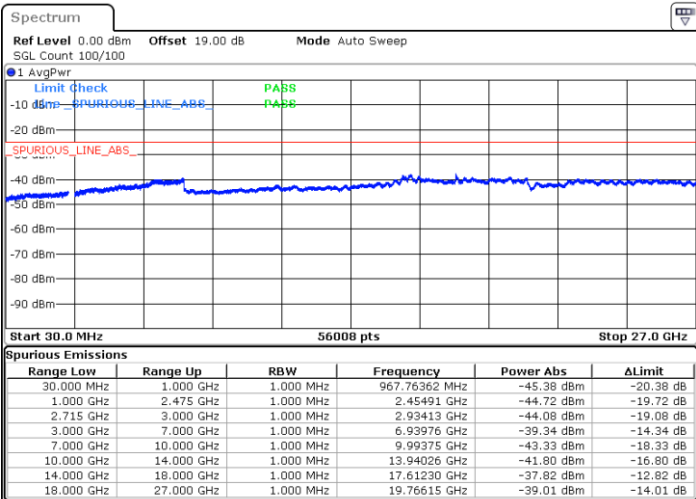
Middle Channel / 64QAM



Date: 16.MAY.2023 10:27:21

Date: 16.MAY.2023 10:28:29

Highest Channel / 64QAM



Date: 16.MAY.2023 10:29:37





Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

## 26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.18	30.45	34.69
Middle CH	29.91	25.23	30.51	34.90
Highest CH	29.79	25.08	30.51	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.21	34.90	39.88	-
Middle CH	30.27	34.90	39.72	-
Highest CH	30.15	34.69	39.72	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.28	30.57	34.76
Middle CH	29.79	25.28	30.45	34.83
Highest CH	29.73	25.18	30.45	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.83	39.72	-
Middle CH	29.97	34.83	39.80	-
Highest CH	30.03	34.90	39.80	-

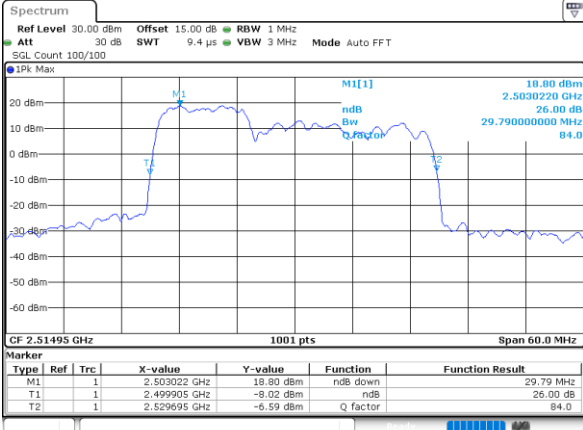
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.13	30.51	34.90
Middle CH	29.91	25.18	30.51	34.76
Highest CH	29.67	24.93	30.45	34.62
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.79	34.90	39.80	-
Middle CH	30.03	34.83	39.72	-
Highest CH	29.91	34.83	39.72	-



LTE Band 7C

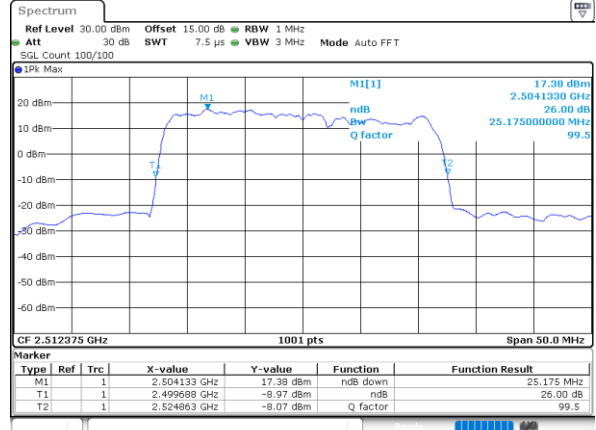
QPSK

Lowest Channel / 10MHz+20MHz



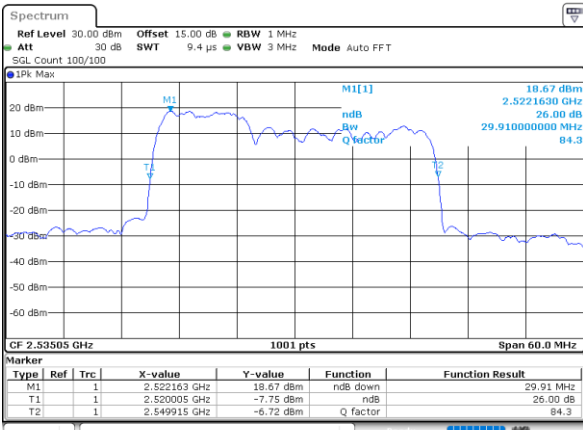
Date: 15.MAY.2023 17:41:33

Lowest Channel / 15MHz+10MHz



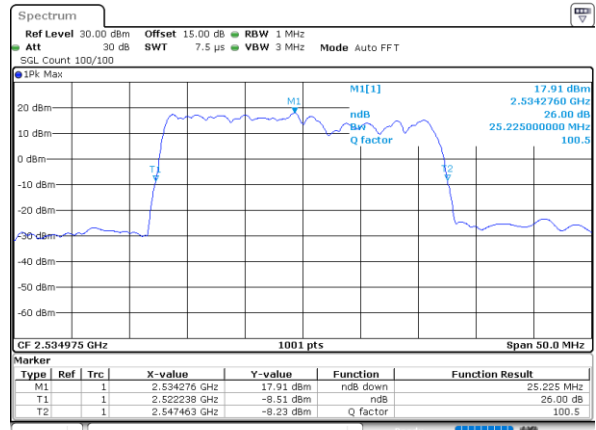
Date: 16.MAY.2023 04:15:42

Middle Channel / 10MHz+20MHz



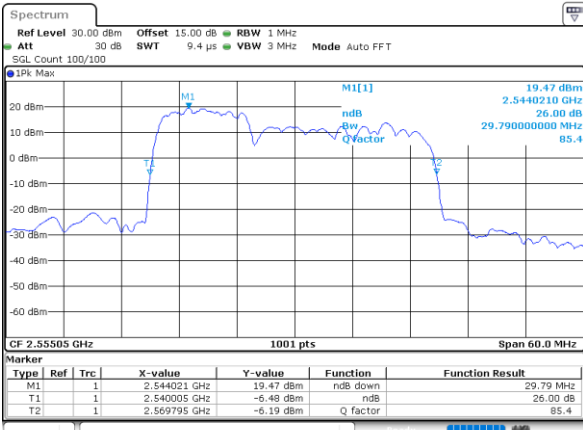
Date: 15.MAY.2023 18:04:57

Middle Channel / 15MHz+10MHz



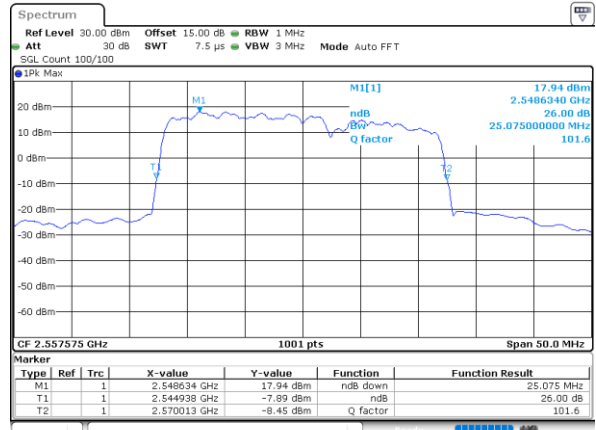
Date: 16.MAY.2023 04:38:20

Highest Channel / 10MHz+20MHz



Date: 15.MAY.2023 18:18:43

Highest Channel / 15MHz+10MHz



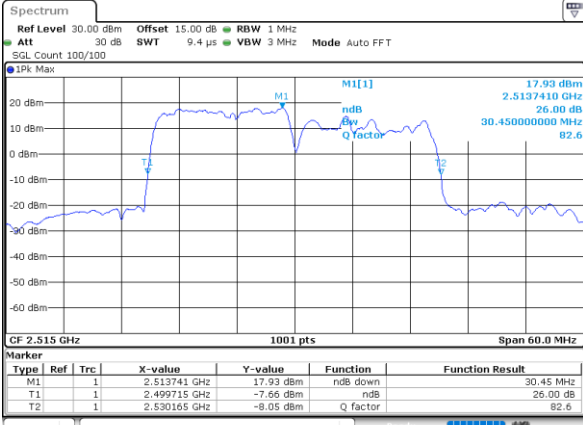
Date: 16.MAY.2023 04:51:42



LTE Band 7C

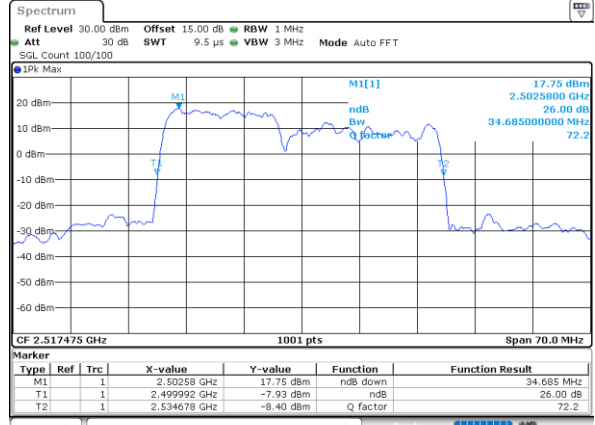
QPSK

Lowest Channel / 15MHz+15MHz



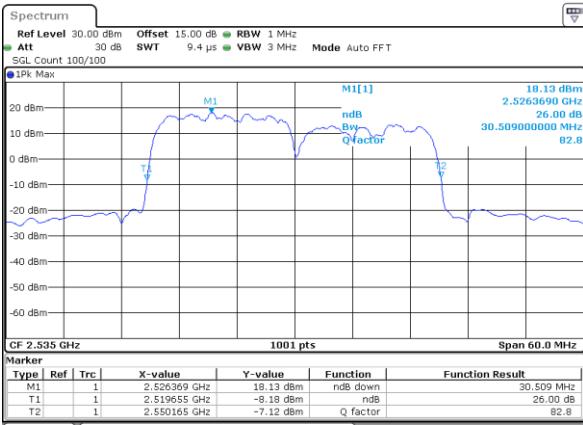
Date: 15.MAY.2023 19:45:02

Lowest Channel / 15MHz+20MHz



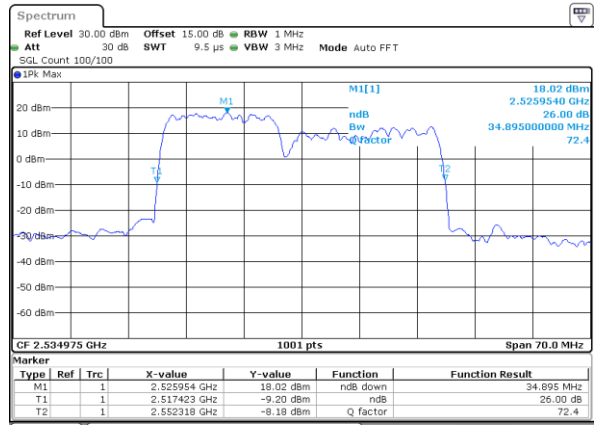
Date: 16.MAY.2023 01:16:26

Middle Channel / 15MHz+15MHz



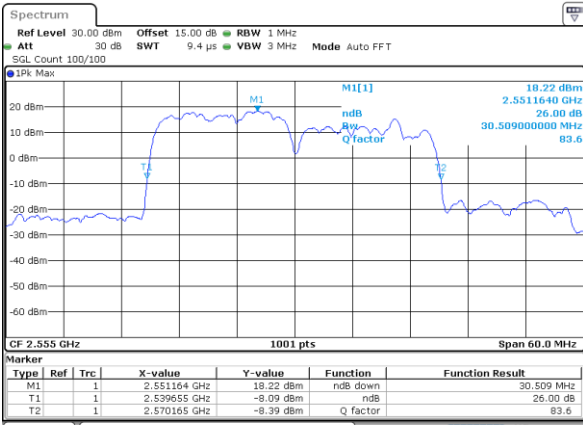
Date: 16.MAY.2023 00:38:46

Middle Channel / 15MHz+20MHz



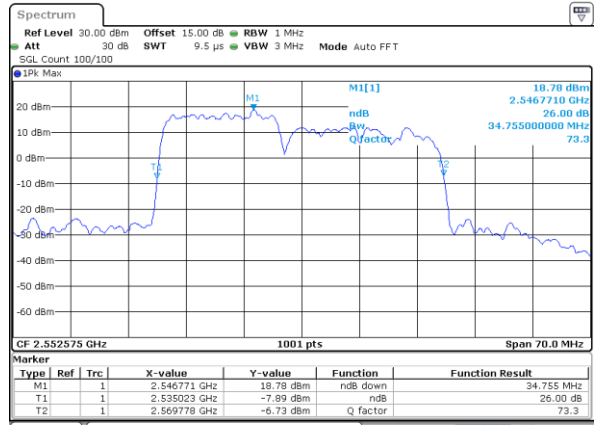
Date: 16.MAY.2023 01:13:02

Highest Channel / 15MHz+15MHz



Date: 16.MAY.2023 00:52:06

Highest Channel / 15MHz+20MHz



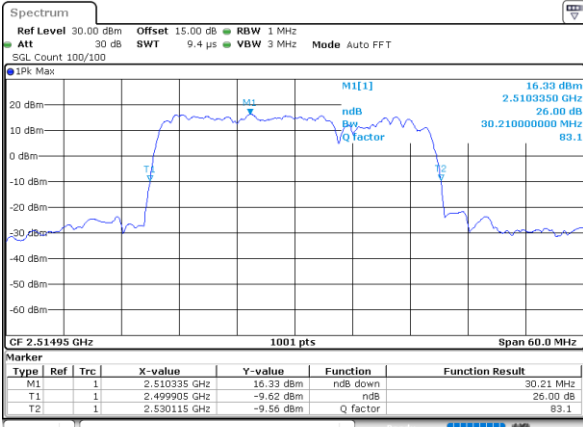
Date: 16.MAY.2023 01:52:25



LTE Band 7C

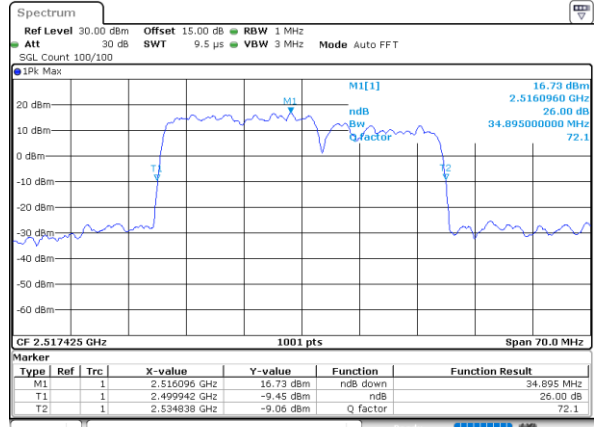
QPSK

Lowest Channel / 20MHz+10MHz



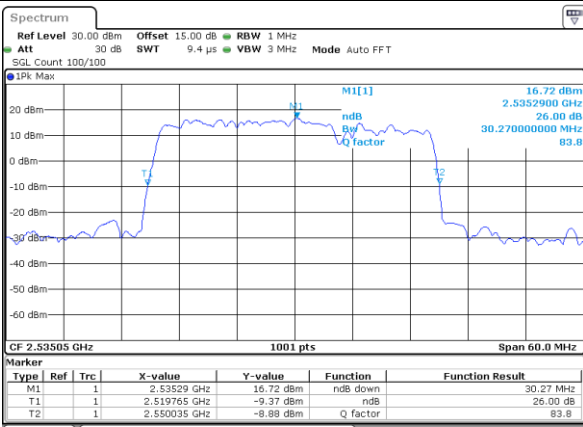
Date: 15.MAY.2023 18:43:14

Lowest Channel / 20MHz+15MHz



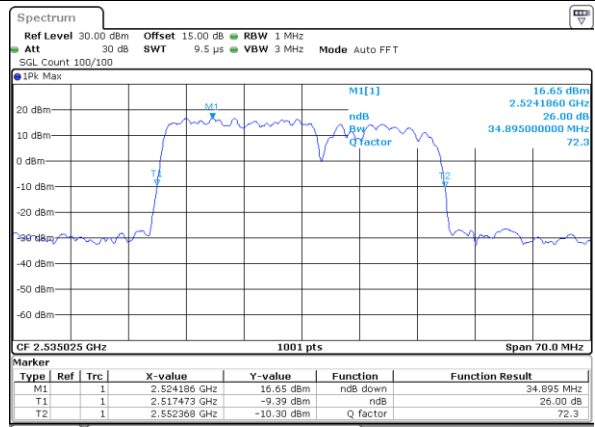
Date: 16.MAY.2023 02:16:07

Middle Channel / 20MHz+10MHz



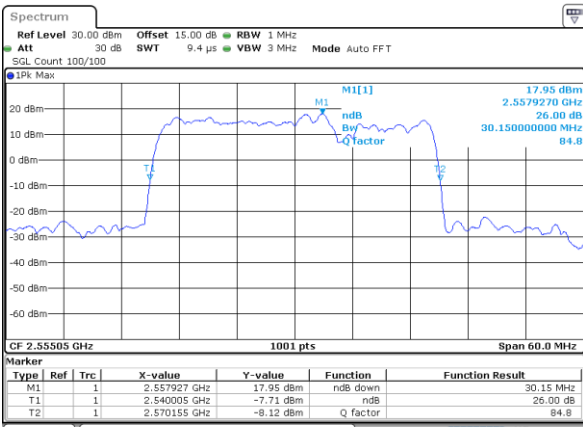
Date: 15.MAY.2023 19:06:39

Middle Channel / 20MHz+15MHz



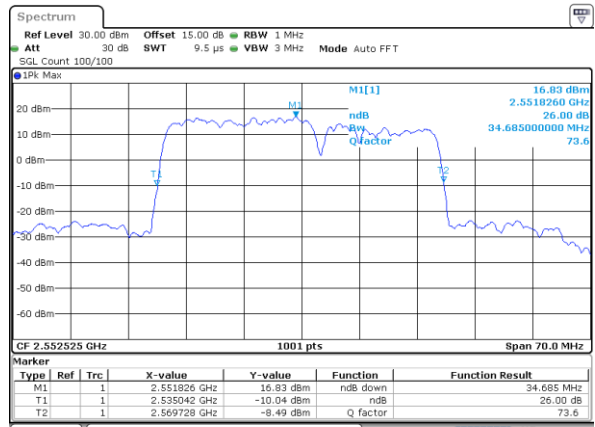
Date: 16.MAY.2023 02:18:45

Highest Channel / 20MHz+10MHz



Date: 15.MAY.2023 19:20:25

Highest Channel / 20MHz+15MHz



Date: 16.MAY.2023 02:15:08

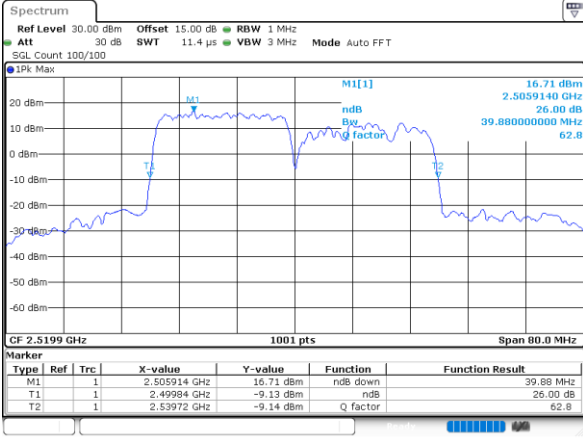


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

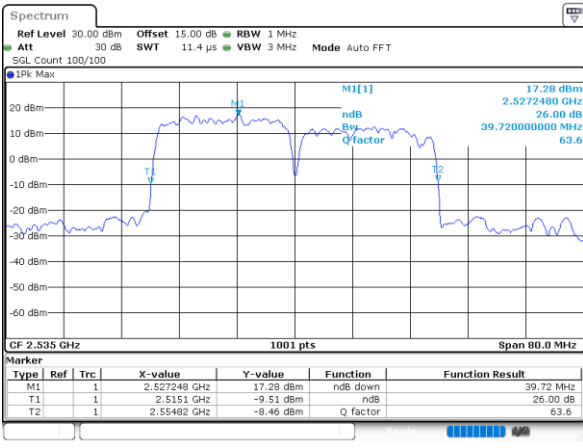
N/A



Date: 16.MAY.2023 03:15:49

Middle Channel / 20MHz+20MHz

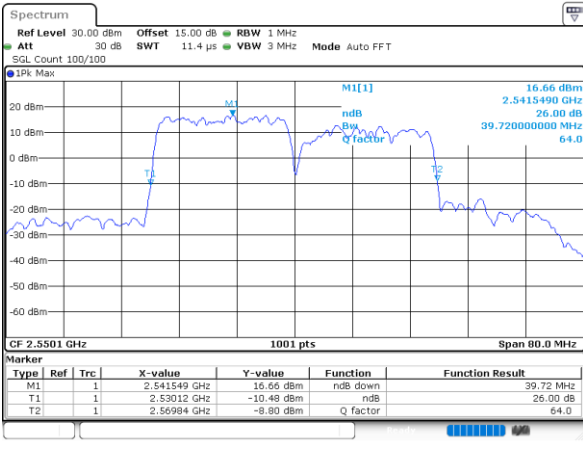
N/A



Date: 16.MAY.2023 03:38:29

Highest Channel / 20MHz+20MHz

N/A



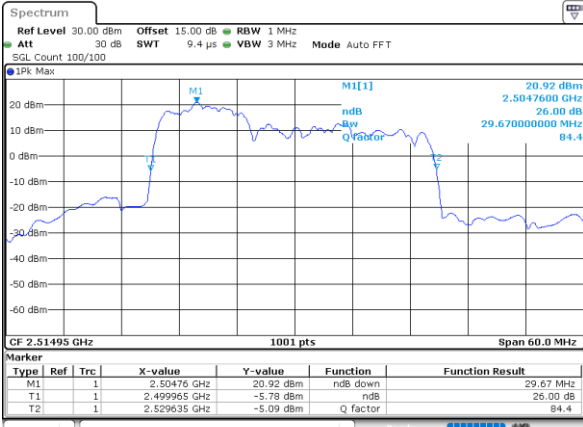
Date: 16.MAY.2023 03:51:52



LTE Band 7C

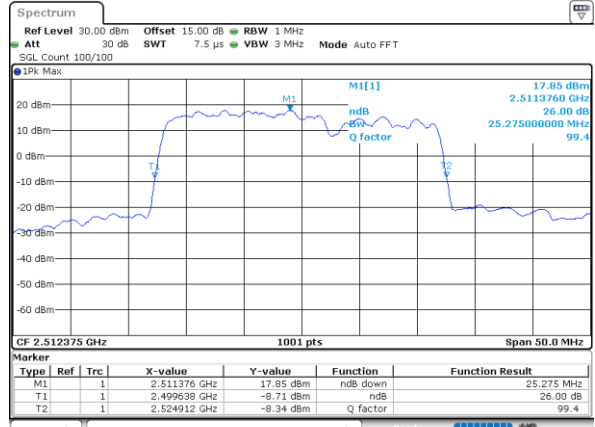
16QAM

Lowest Channel / 10MHz+20MHz



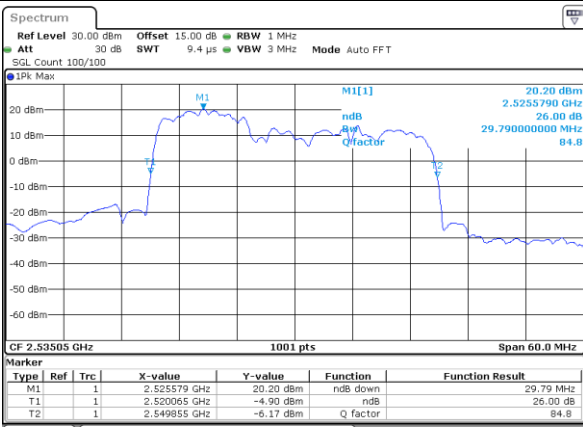
Date: 15\_MAY.2023 17:41:01

Lowest Channel / 15MHz+10MHz



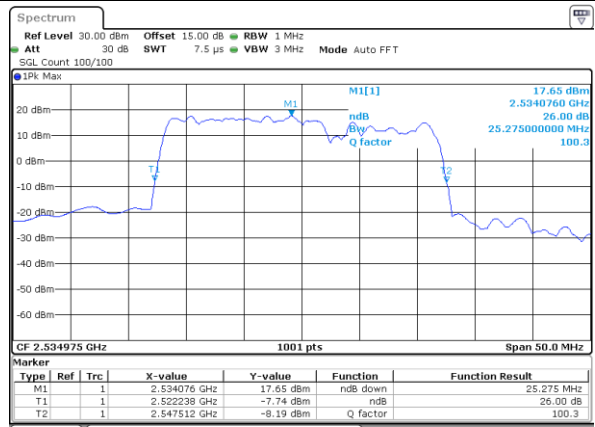
Date: 16\_MAY.2023 04:15:12

Middle Channel / 10MHz+20MHz



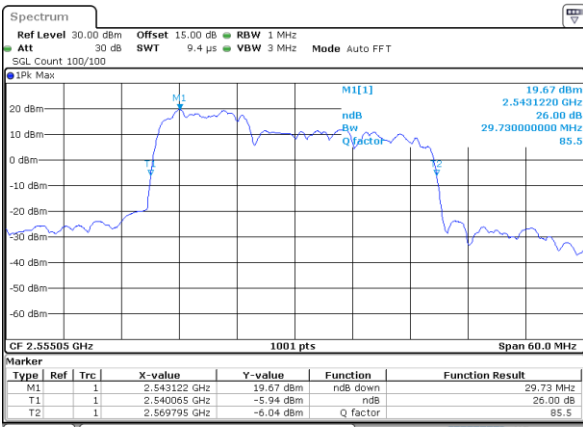
Date: 15\_MAY.2023 18:04:25

Middle Channel / 15MHz+10MHz



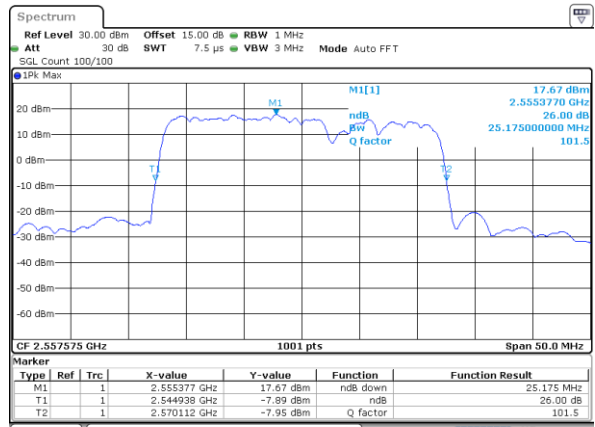
Date: 16\_MAY.2023 04:17:50

Highest Channel / 10MHz+20MHz



Date: 15\_MAY.2023 18:19:15

Highest Channel / 15MHz+10MHz



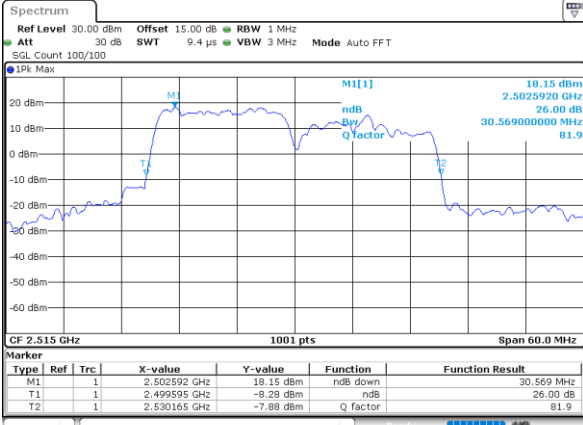
Date: 16\_MAY.2023 04:15:12



LTE Band 7C

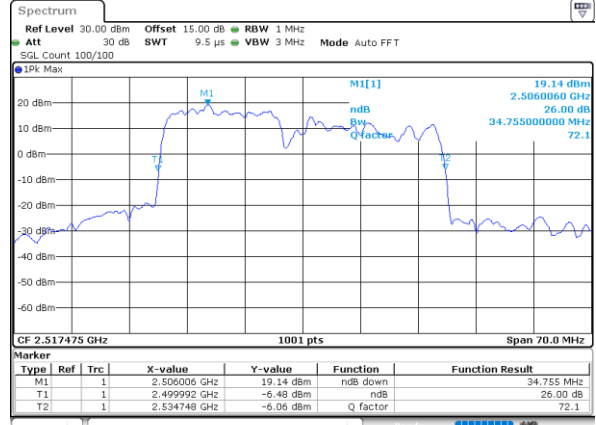
16QAM

Lowest Channel / 15MHz+15MHz



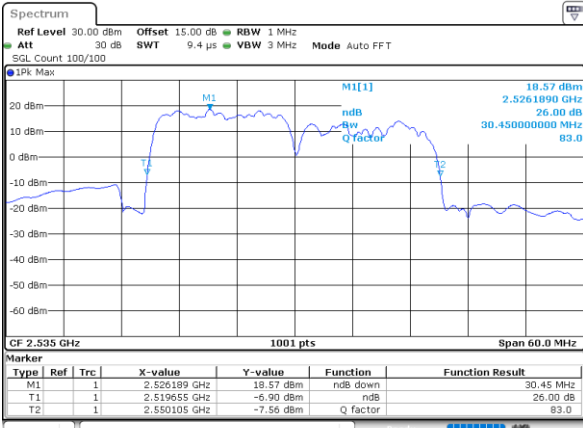
Date: 15.MAY.2023 19:44:30

Lowest Channel / 15MHz+20MHz



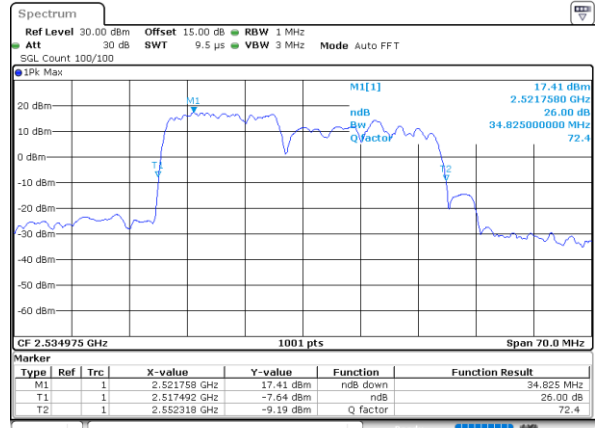
Date: 16.MAY.2023 01:15:56

Middle Channel / 15MHz+15MHz



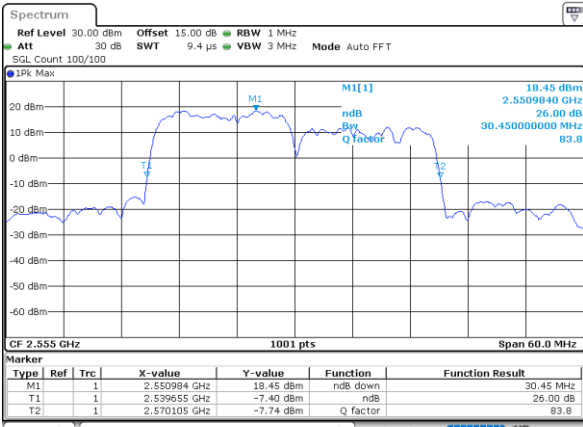
Date: 16.MAY.2023 00:38:16

Middle Channel / 15MHz+20MHz



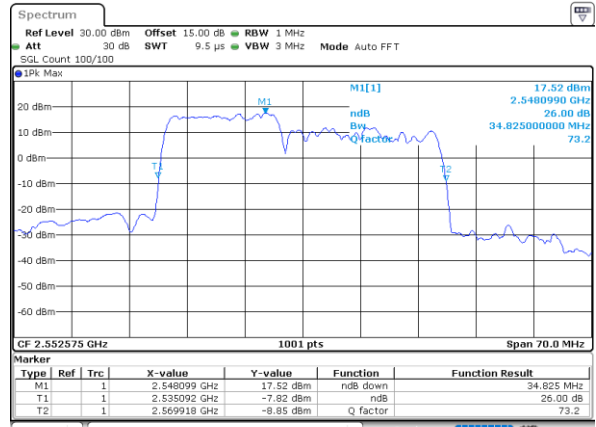
Date: 16.MAY.2023 01:38:32

Highest Channel / 15MHz+15MHz



Date: 16.MAY.2023 00:52:36

Highest Channel / 15MHz+20MHz



Date: 16.MAY.2023 01:52:55

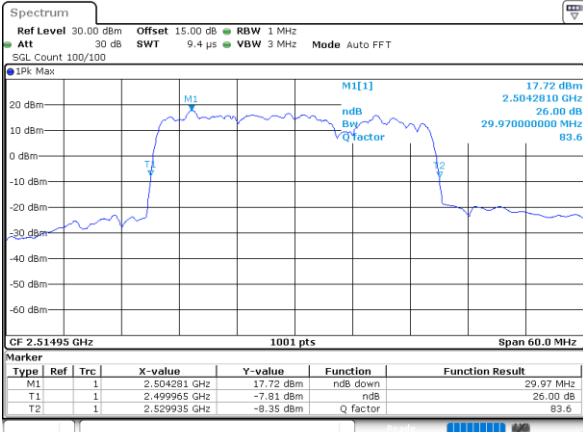




LTE Band 7C

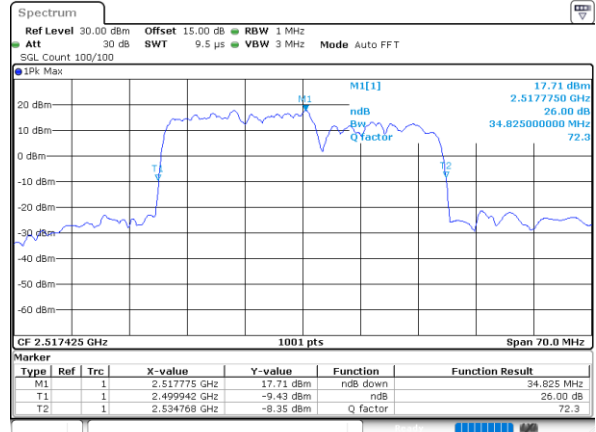
16QAM

Lowest Channel / 20MHz+10MHz



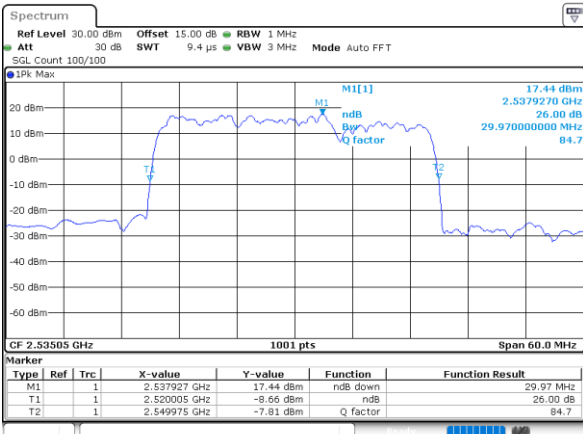
Date: 15.MAY.2023 18:42:42

Lowest Channel / 20MHz+15MHz



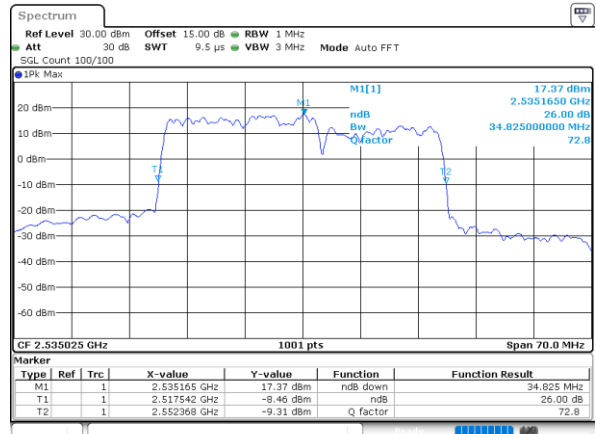
Date: 16.MAY.2023 02:15:37

Middle Channel / 20MHz+10MHz



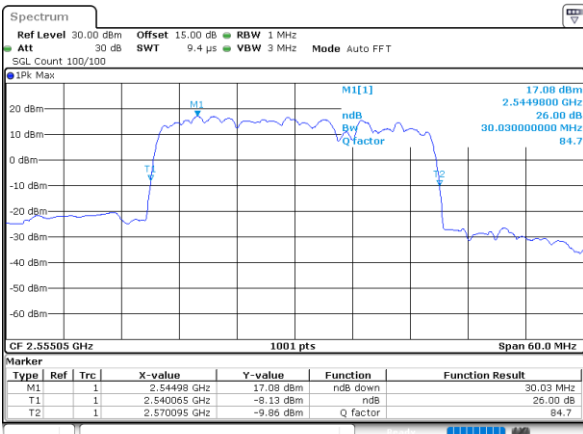
Date: 15.MAY.2023 19:06:06

Middle Channel / 20MHz+15MHz



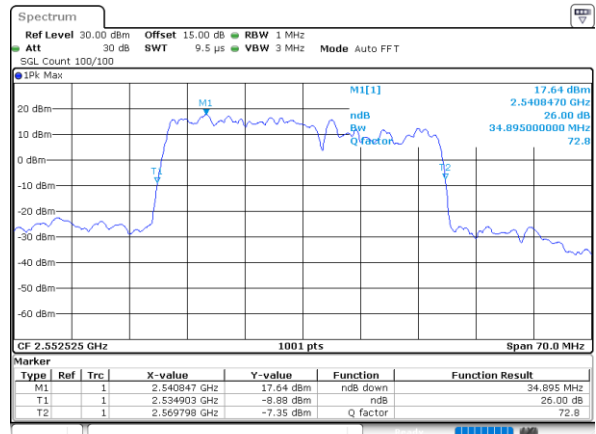
Date: 16.MAY.2023 02:13:15

Highest Channel / 20MHz+10MHz



Date: 15.MAY.2023 19:20:58

Highest Channel / 20MHz+15MHz



Date: 16.MAY.2023 02:15:38

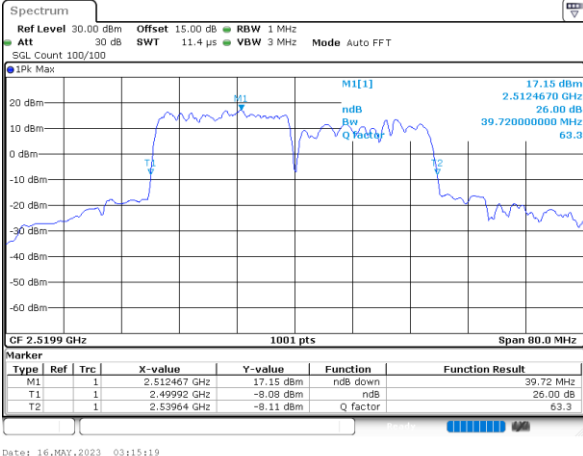


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

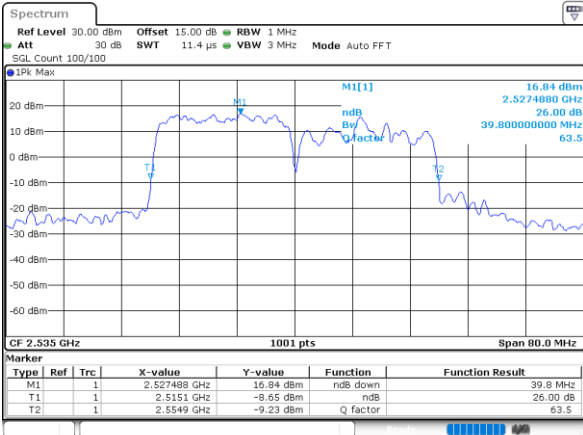
N/A



Date: 16.MAY.2023 03:15:19

Middle Channel / 20MHz+20MHz

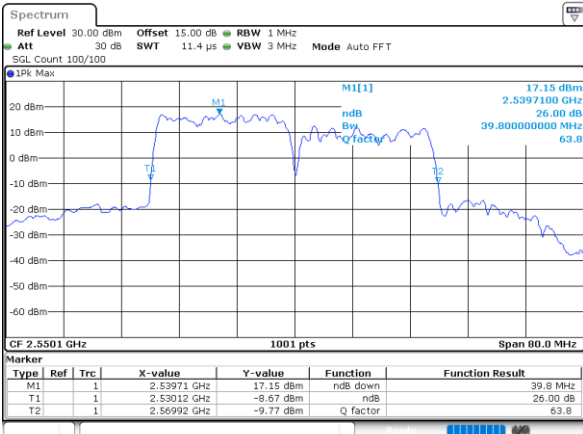
N/A



Date: 16.MAY.2023 03:37:59

Highest Channel / 20MHz+20MHz

N/A



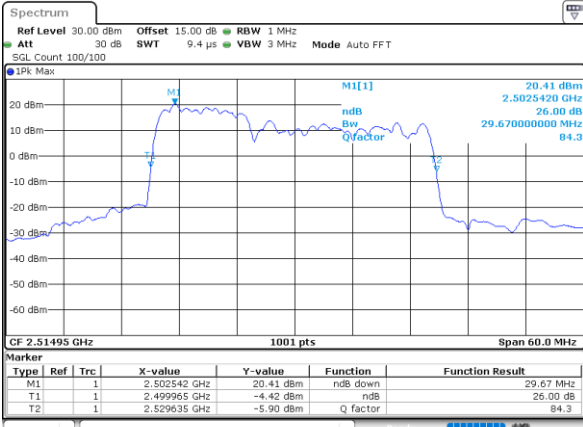
Date: 16.MAY.2023 03:52:22



LTE Band 7C

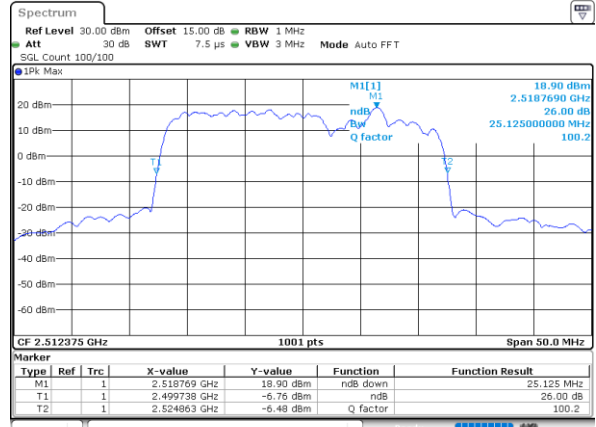
64QAM

Lowest Channel / 10MHz+20MHz



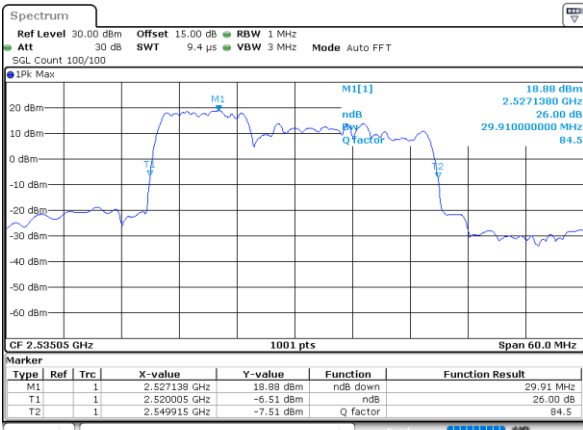
Date: 15.MAY.2023 17:40:29

Lowest Channel / 15MHz+10MHz



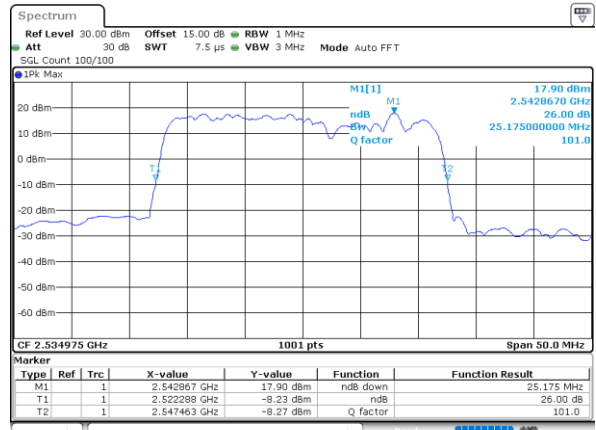
Date: 16.MAY.2023 04:14:42

Middle Channel / 10MHz+20MHz



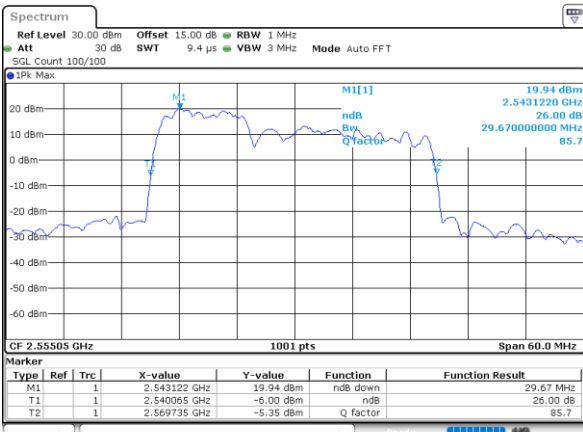
Date: 15.MAY.2023 18:03:53

Middle Channel / 15MHz+10MHz



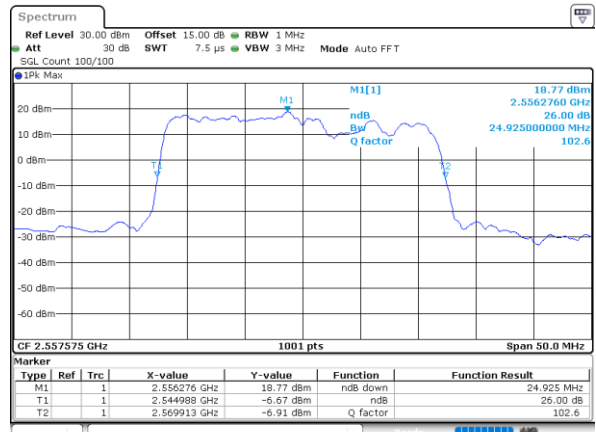
Date: 16.MAY.2023 04:13:20

Highest Channel / 10MHz+20MHz



Date: 15.MAY.2023 18:19:47

Highest Channel / 15MHz+10MHz



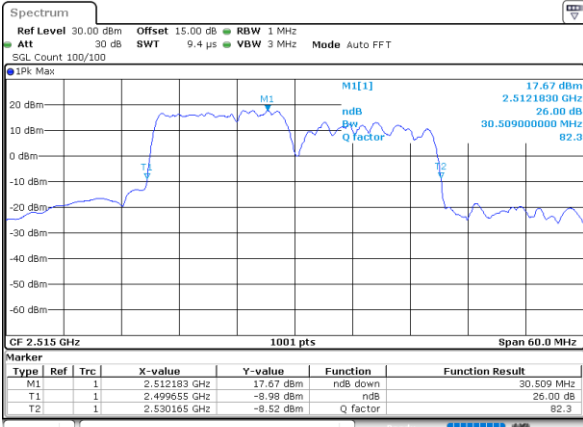
Date: 16.MAY.2023 04:15:42



LTE Band 7C

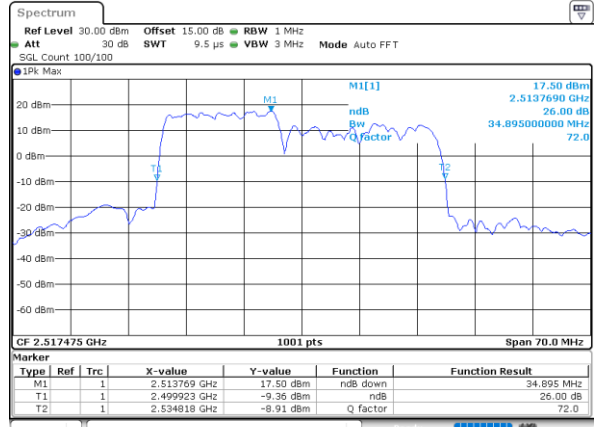
64QAM

Lowest Channel / 15MHz+15MHz



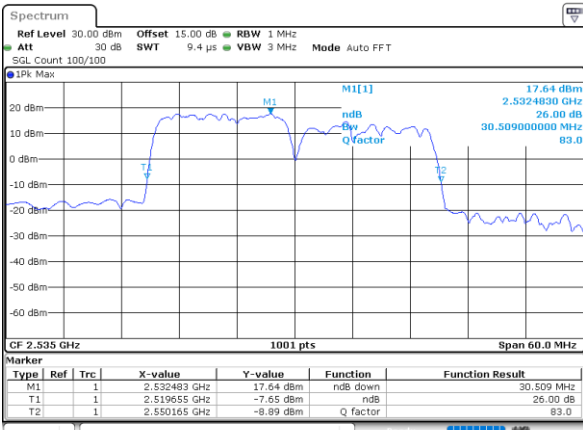
Date: 15.MAY.2023 19:43:58

Lowest Channel / 15MHz+20MHz



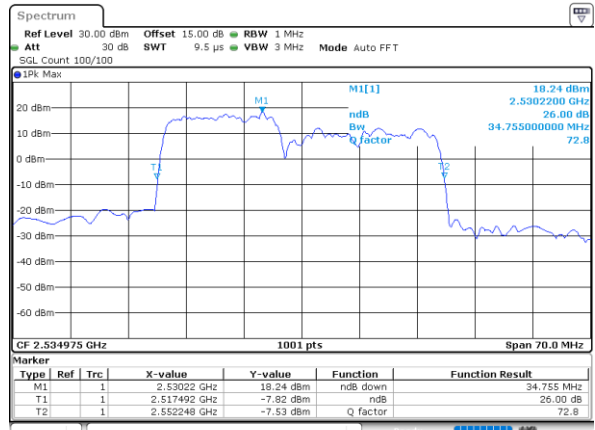
Date: 16.MAY.2023 01:15:26

Middle Channel / 15MHz+15MHz



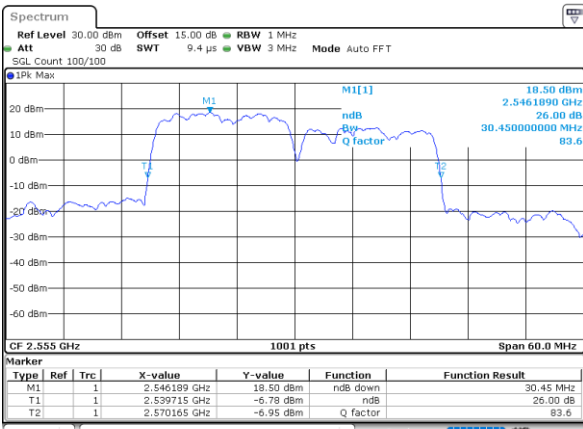
Date: 16.MAY.2023 00:37:46

Middle Channel / 15MHz+20MHz



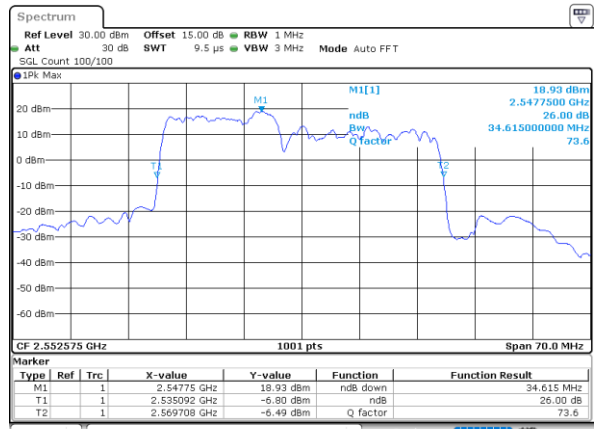
Date: 16.MAY.2023 01:38:02

Highest Channel / 15MHz+15MHz



Date: 16.MAY.2023 00:53:06

Highest Channel / 15MHz+20MHz



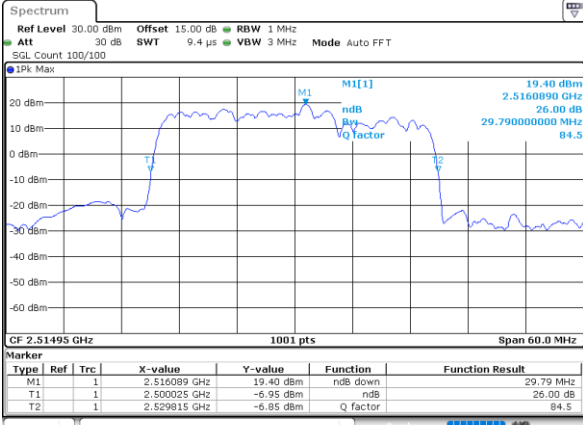
Date: 16.MAY.2023 01:53:25



LTE Band 7C

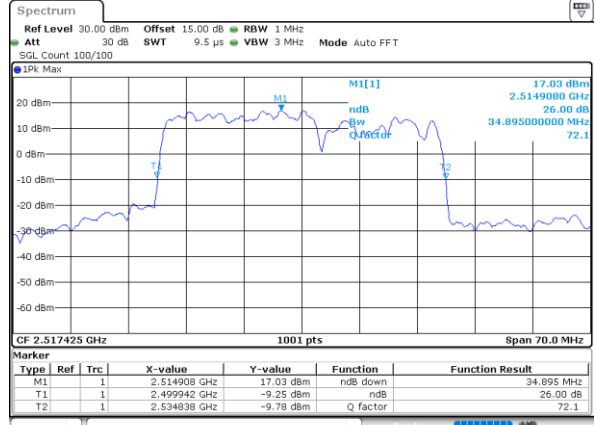
64QAM

Lowest Channel / 20MHz+10MHz



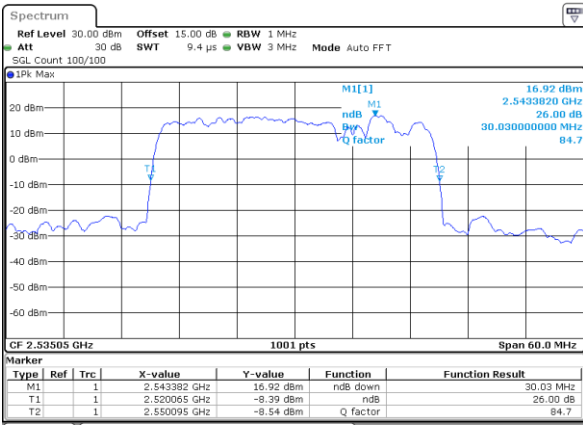
Date: 15.MAY.2023 18:42:10

Lowest Channel / 20MHz+15MHz



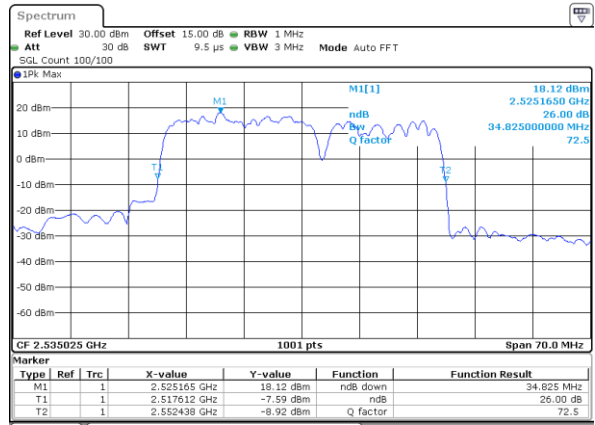
Date: 16.MAY.2023 02:15:07

Middle Channel / 20MHz+10MHz



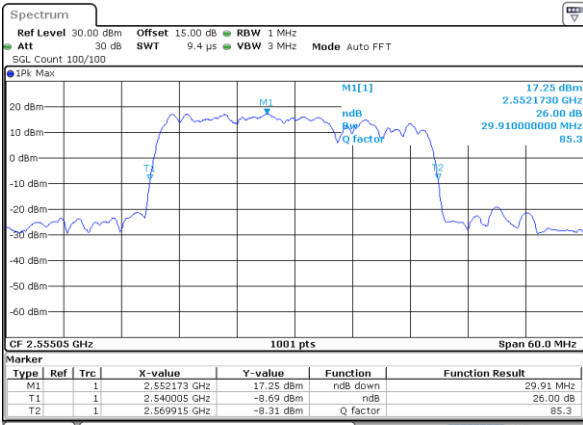
Date: 15.MAY.2023 19:05:34

Middle Channel / 20MHz+15MHz



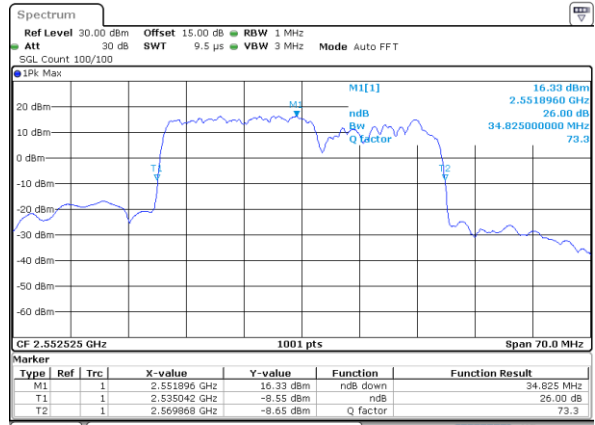
Date: 16.MAY.2023 02:17:45

Highest Channel / 20MHz+10MHz



Date: 15.MAY.2023 19:21:30

Highest Channel / 20MHz+15MHz



Date: 16.MAY.2023 02:15:08

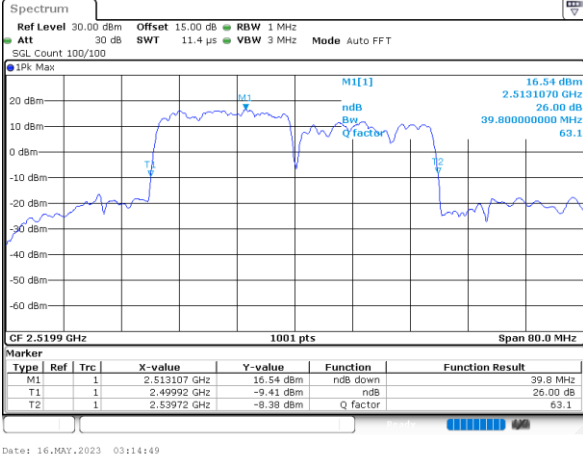


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

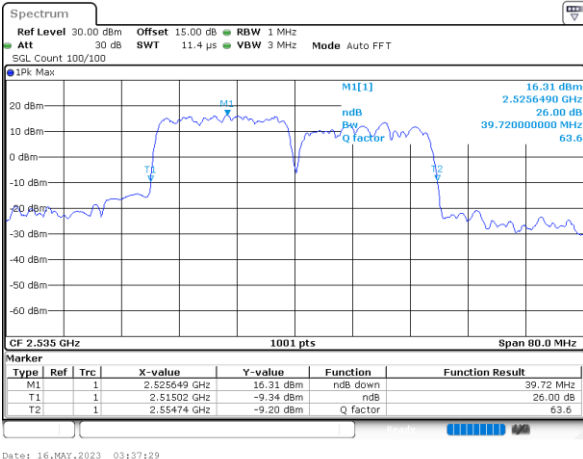
N/A



Date: 16.MAY.2023 03:14:49

Middle Channel / 20MHz+20MHz

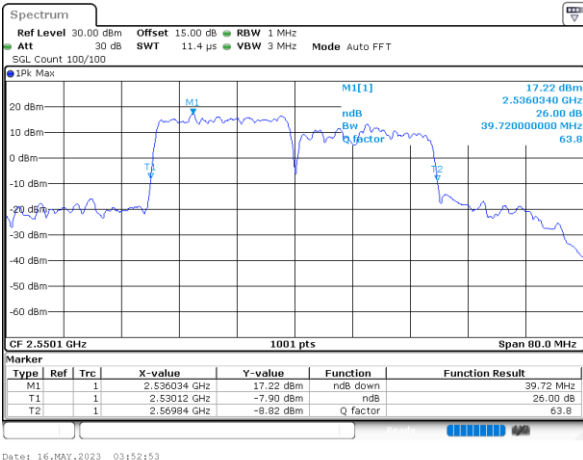
N/A



Date: 16.MAY.2023 03:37:29

Highest Channel / 20MHz+20MHz

N/A



Date: 16.MAY.2023 03:52:53



### Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.53	28.53	32.73
Middle CH	27.75	23.28	28.41	33.01
Highest CH	27.87	23.63	28.47	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.94	37.32	-
Middle CH	27.93	32.66	37.72	-
Highest CH	27.81	32.87	37.48	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.87	23.18	28.53	32.38
Middle CH	28.11	23.33	28.71	32.94
Highest CH	27.93	23.43	28.17	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.81	32.73	38.04	-
Middle CH	27.81	32.66	37.80	-
Highest CH	27.87	32.59	37.56	-

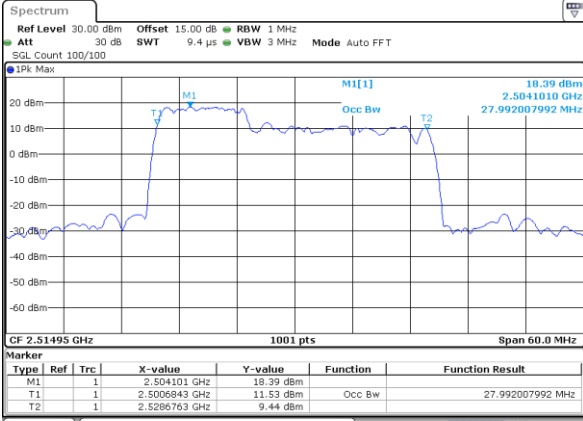
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.08	28.35	32.45
Middle CH	27.93	23.18	28.59	32.38
Highest CH	27.75	23.28	28.71	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.66	37.72	-
Middle CH	27.93	32.73	37.40	-
Highest CH	27.81	32.45	37.40	-



LTE Band 7C

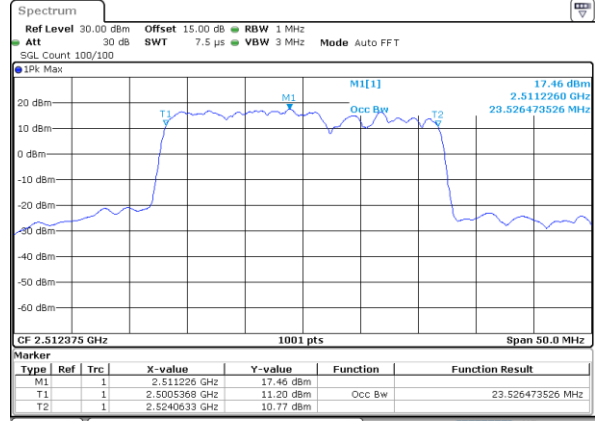
QPSK

Lowest Channel / 10MHz+20MHz



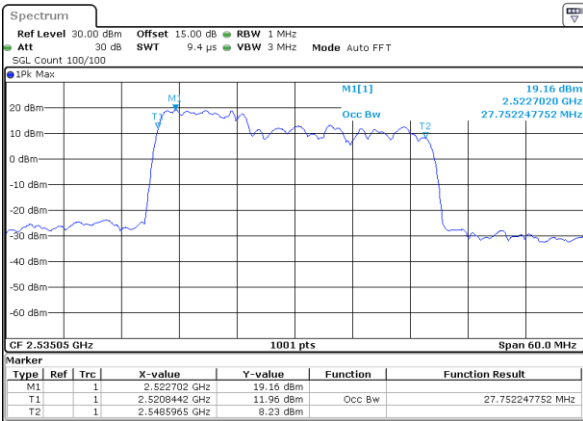
Date: 15.MAY.2023 17:38:53

Lowest Channel / 15MHz+10MHz



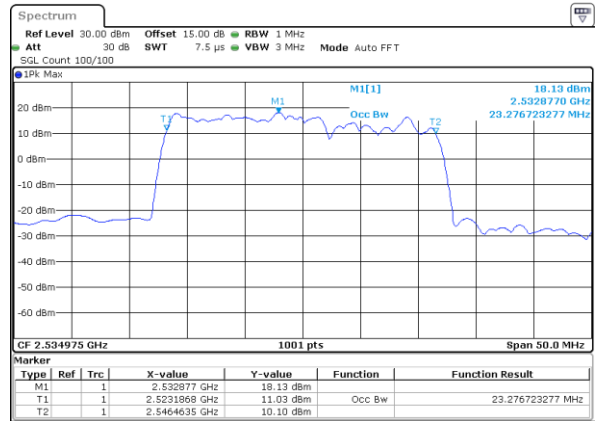
Date: 16.MAY.2023 04:13:12

Middle Channel / 10MHz+20MHz



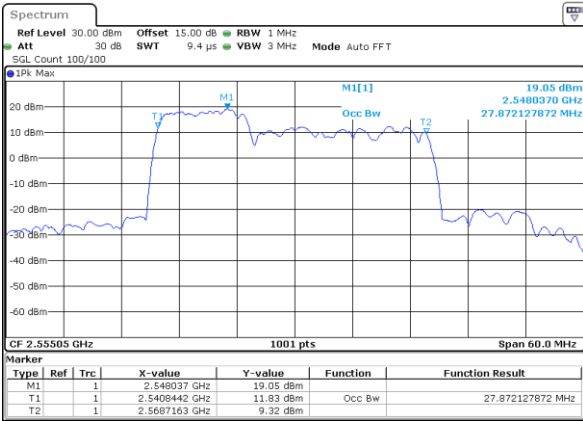
Date: 15.MAY.2023 18:02:17

Middle Channel / 15MHz+10MHz



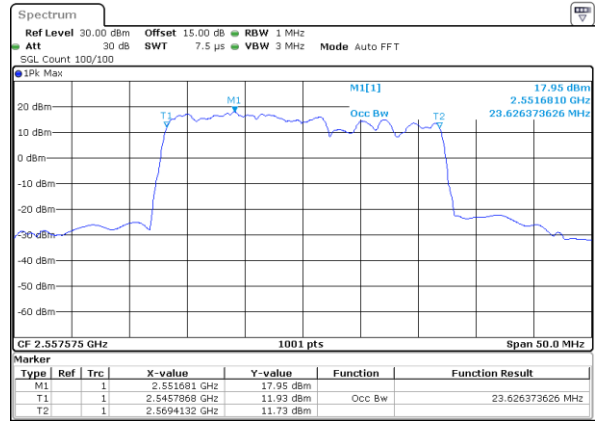
Date: 16.MAY.2023 04:35:50

Highest Channel / 10MHz+20MHz



Date: 15.MAY.2023 18:18:11

Highest Channel / 15MHz+10MHz



Date: 16.MAY.2023 04:51:12

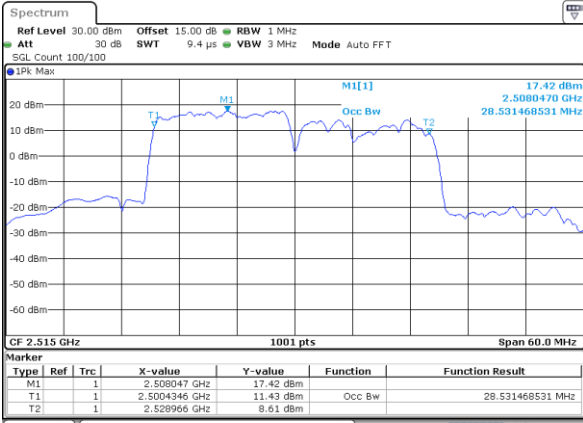




LTE Band 7C

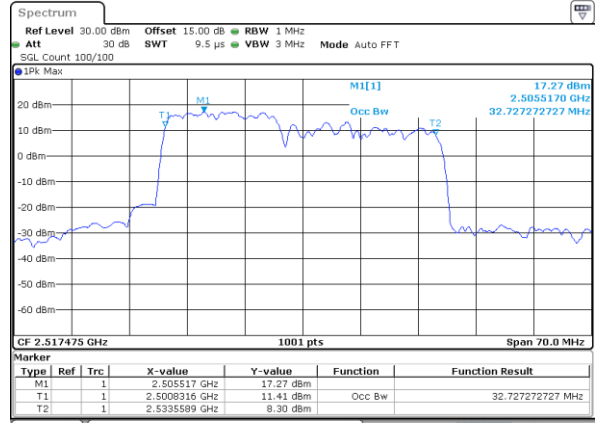
QPSK

Lowest Channel / 15MHz+15MHz



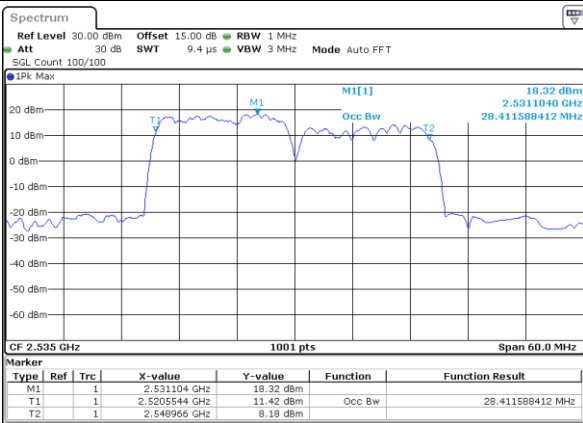
Date: 15.MAY.2023 19:42:22

Lowest Channel / 15MHz+20MHz



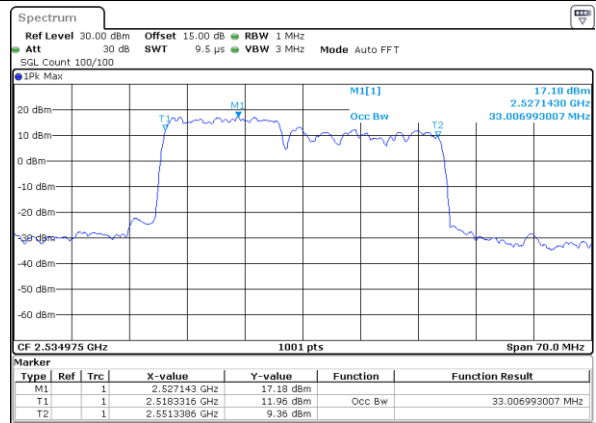
Date: 16.MAY.2023 01:13:56

Middle Channel / 15MHz+15MHz



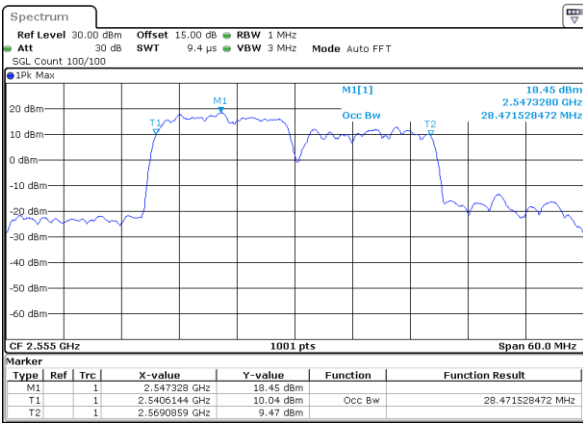
Date: 16.MAY.2023 00:36:16

Middle Channel / 15MHz+20MHz



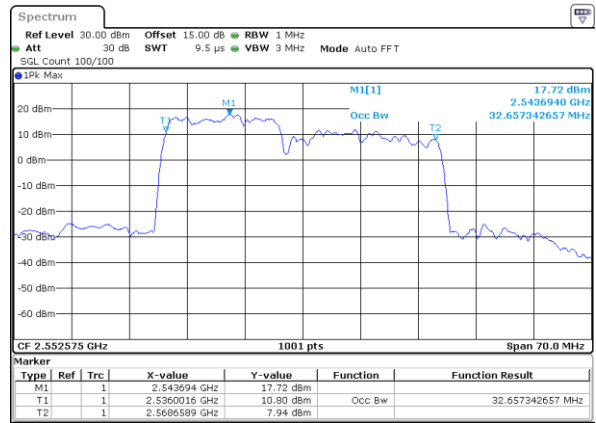
Date: 16.MAY.2023 01:36:32

Highest Channel / 15MHz+15MHz



Date: 16.MAY.2023 00:51:36

Highest Channel / 15MHz+20MHz



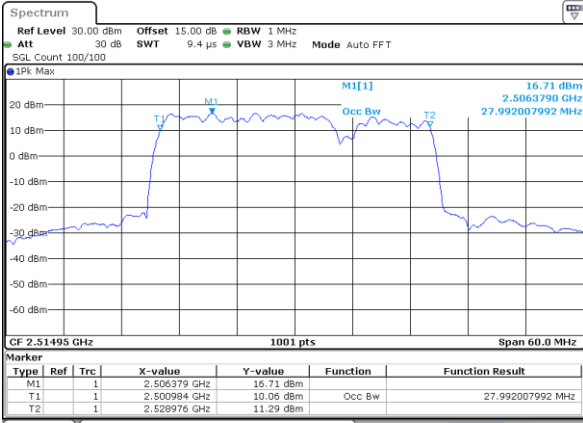
Date: 16.MAY.2023 01:51:55



LTE Band 7C

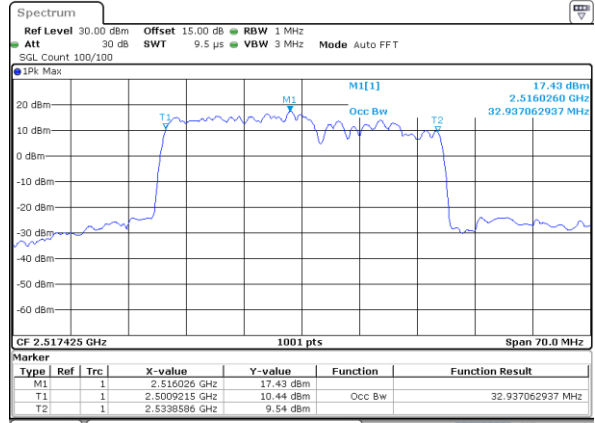
QPSK

Lowest Channel / 20MHz+10MHz



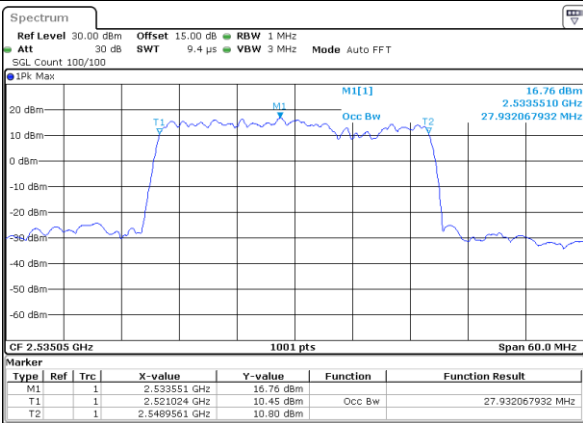
Date: 15.MAY.2023 18:40:34

Lowest Channel / 20MHz+15MHz



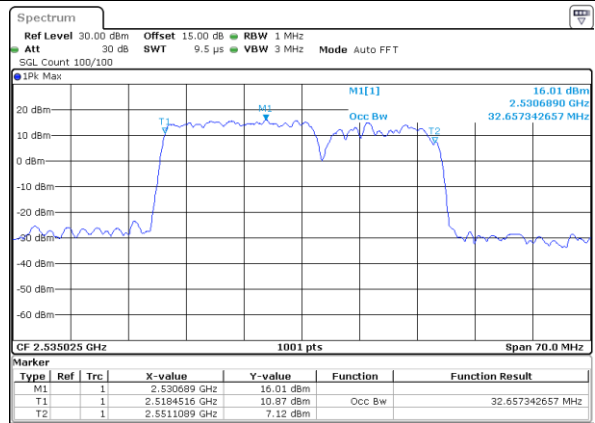
Date: 16.MAY.2023 02:13:38

Middle Channel / 20MHz+10MHz



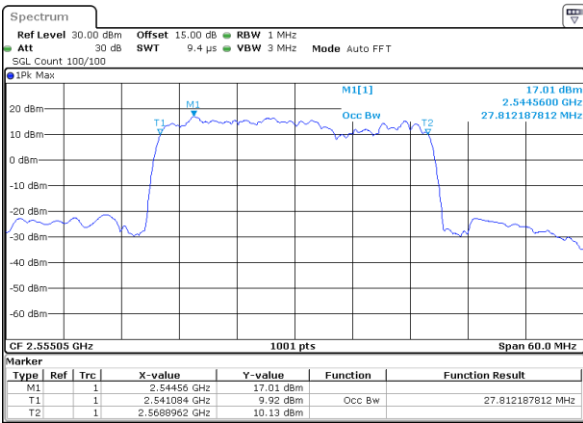
Date: 15.MAY.2023 19:03:58

Middle Channel / 20MHz+15MHz



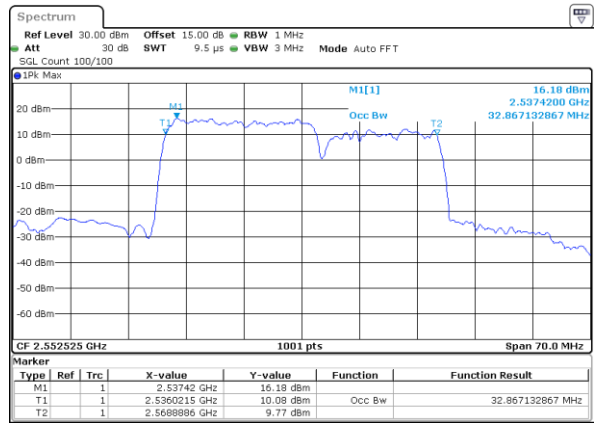
Date: 16.MAY.2023 02:13:15

Highest Channel / 20MHz+10MHz



Date: 15.MAY.2023 19:19:54

Highest Channel / 20MHz+15MHz



Date: 16.MAY.2023 02:15:38

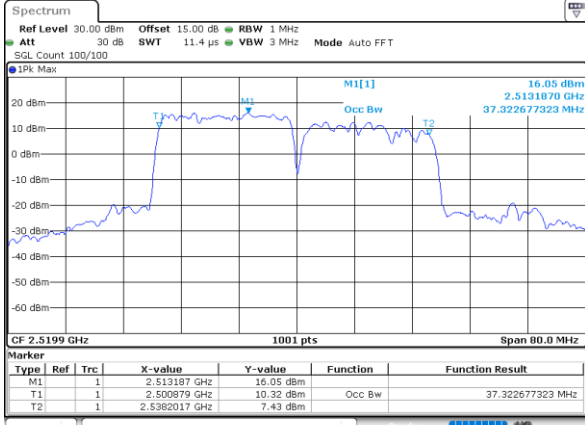


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

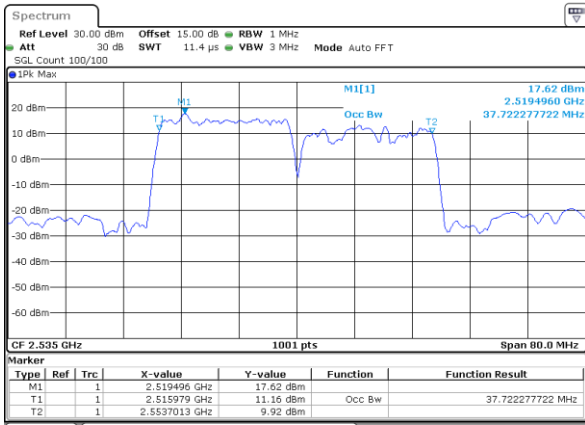
N/A



Date: 16.MAY.2023 03:13:20

Middle Channel / 20MHz+20MHz

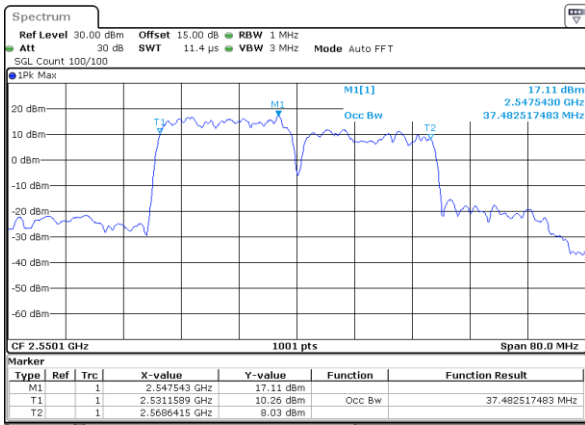
N/A



Date: 16.MAY.2023 03:35:59

Highest Channel / 20MHz+20MHz

N/A



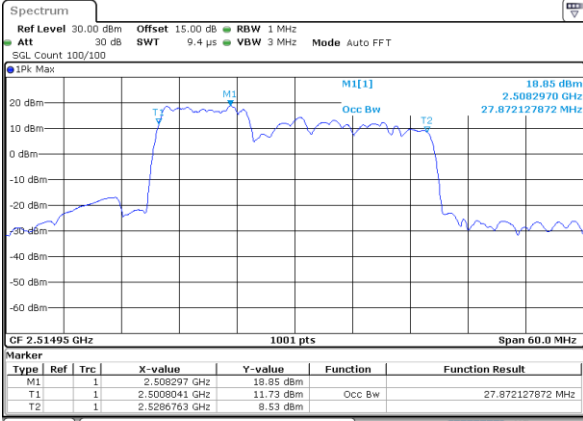
Date: 16.MAY.2023 03:51:23



LTE Band 7C

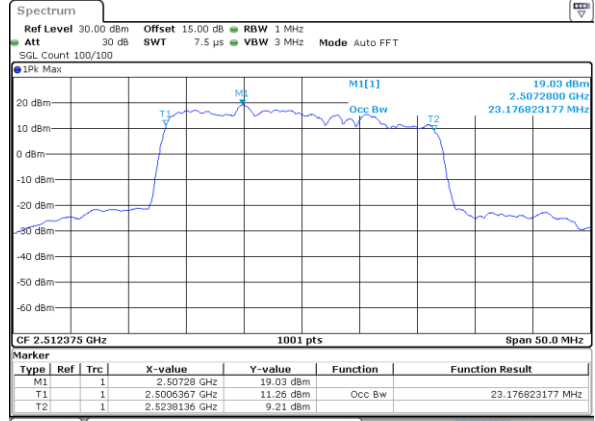
16QAM

Lowest Channel / 10MHz+20MHz



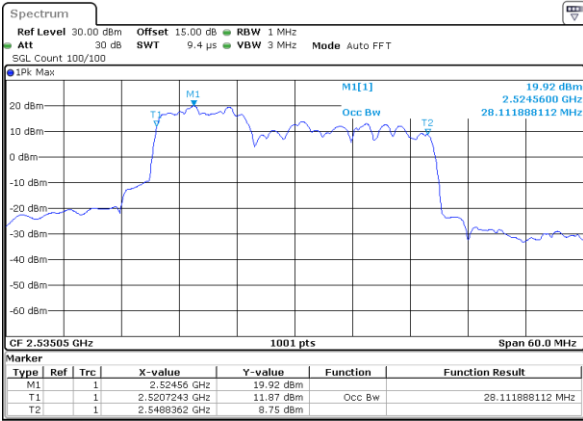
Date: 15.MAY.2023 17:39:25

Lowest Channel / 15MHz+10MHz



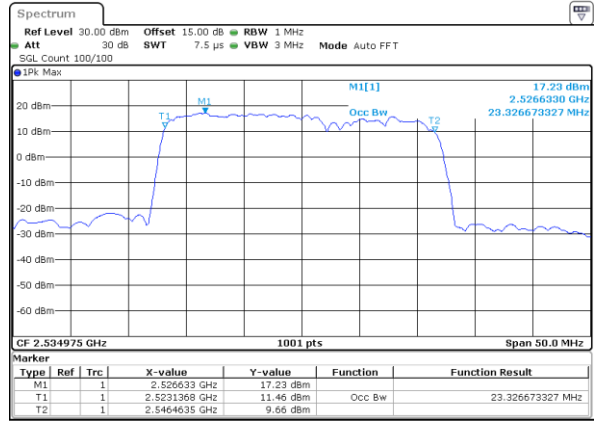
Date: 16.MAY.2023 04:13:42

Middle Channel / 10MHz+20MHz



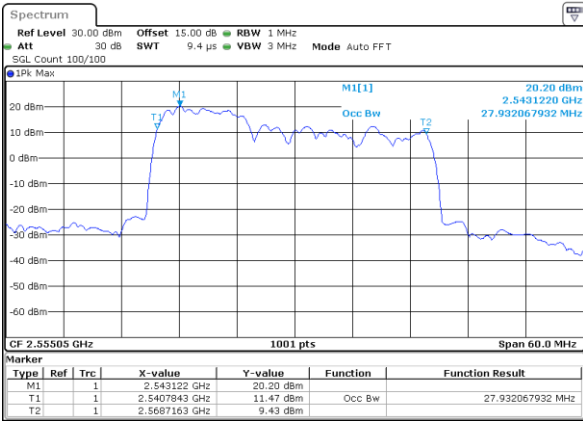
Date: 15.MAY.2023 18:02:49

Middle Channel / 15MHz+10MHz



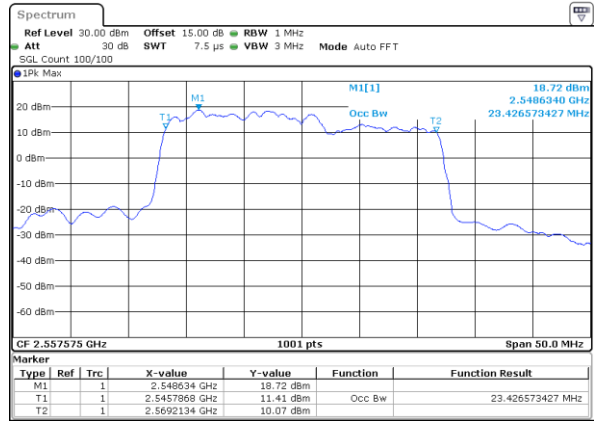
Date: 16.MAY.2023 04:13:20

Highest Channel / 10MHz+20MHz



Date: 15.MAY.2023 18:17:39

Highest Channel / 15MHz+10MHz



Date: 16.MAY.2023 04:15:42