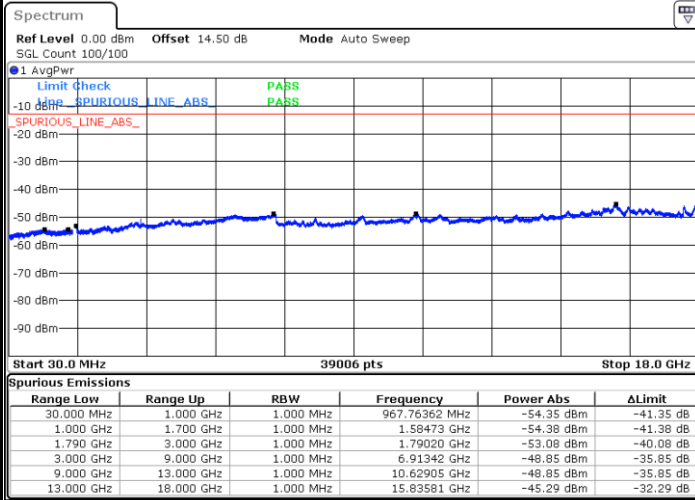




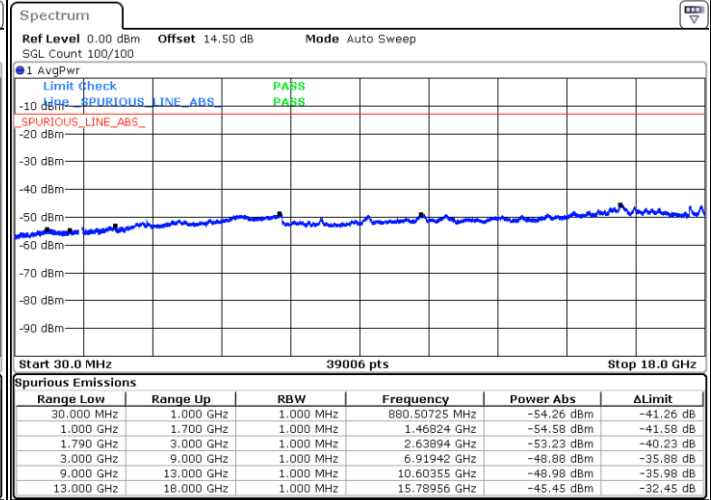
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 8.MAR.2023 22:18:29

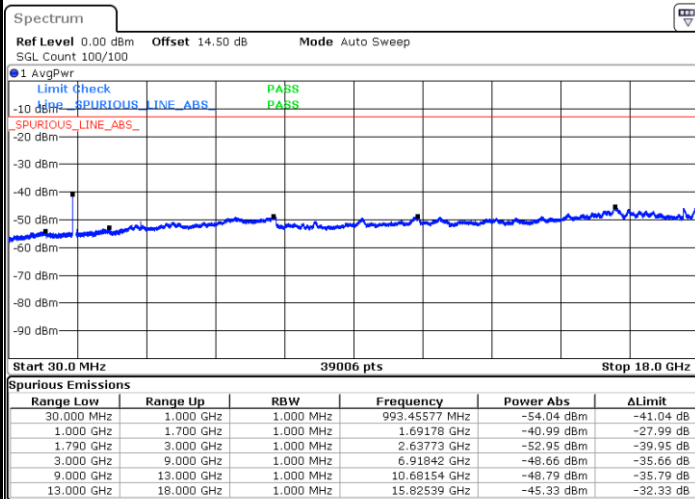
Highest Channel / 16QAM



Date: 8.MAR.2023 22:19:42

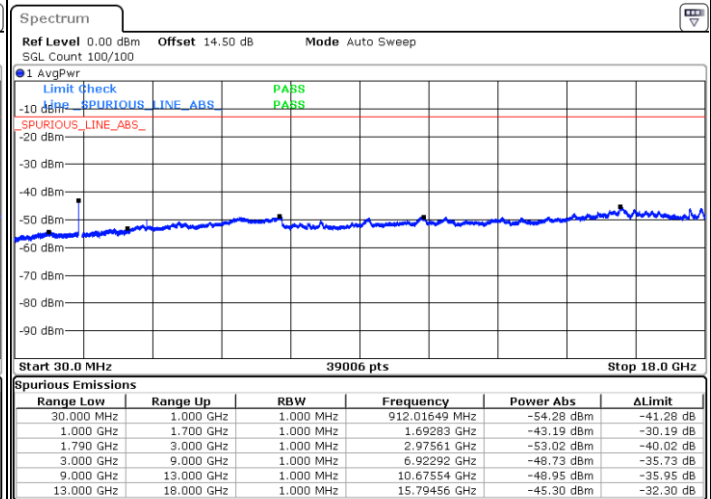
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 8.MAR.2023 22:27:09

Lowest Channel / 16QAM



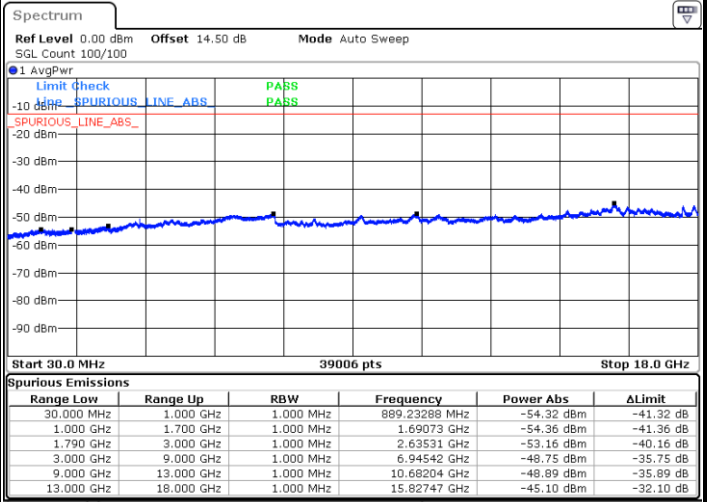
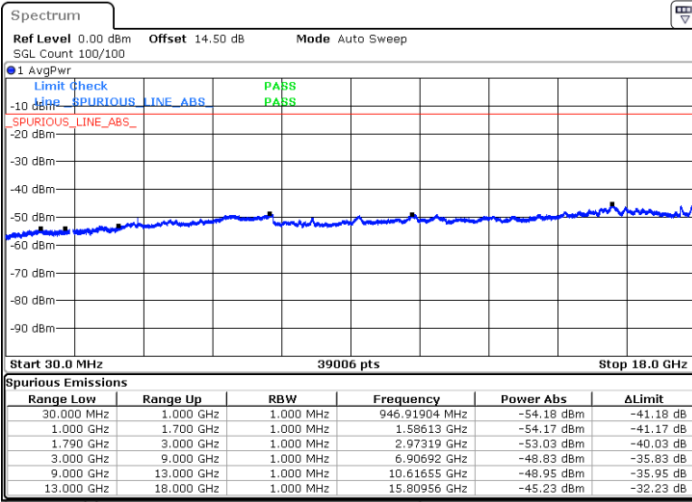
Date: 8.MAR.2023 22:28:22



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

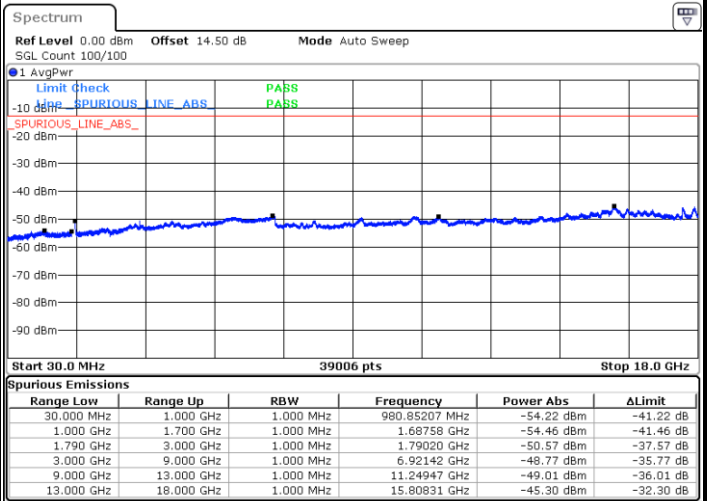
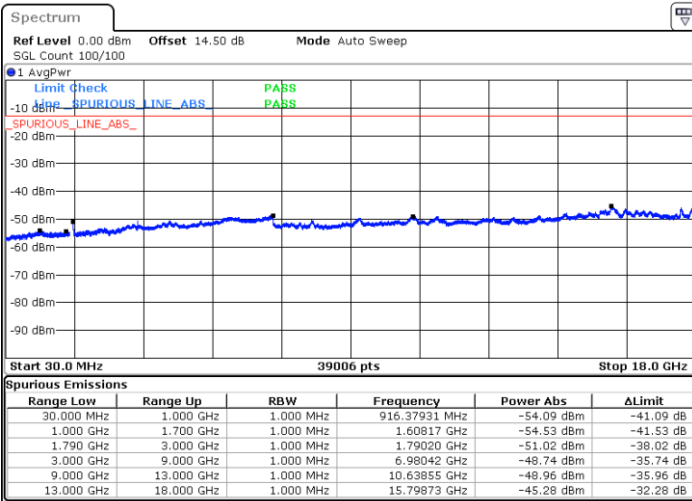


Date: 8.MAR.2023 22:31:12

Date: 8.MAR.2023 22:32:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.MAR.2023 22:39:50

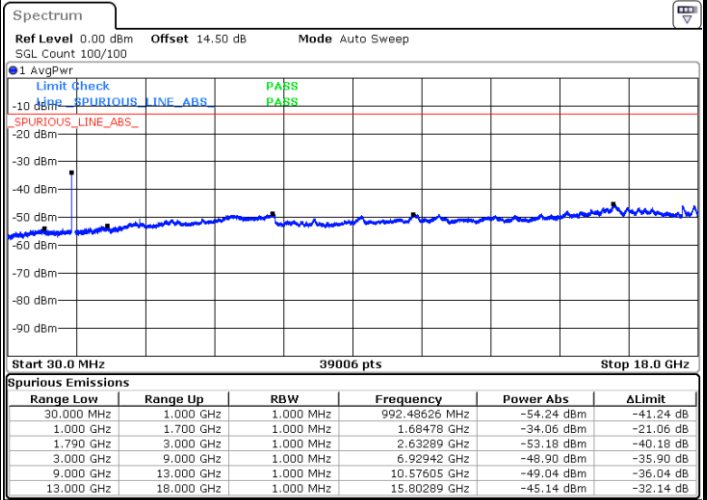
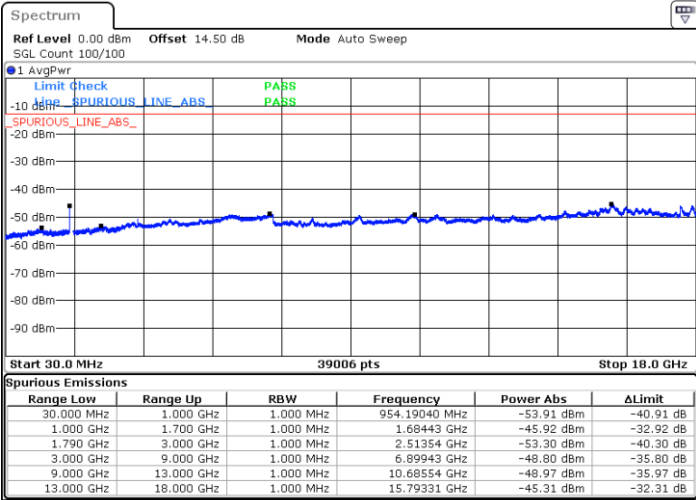
Date: 8.MAR.2023 22:41:03



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

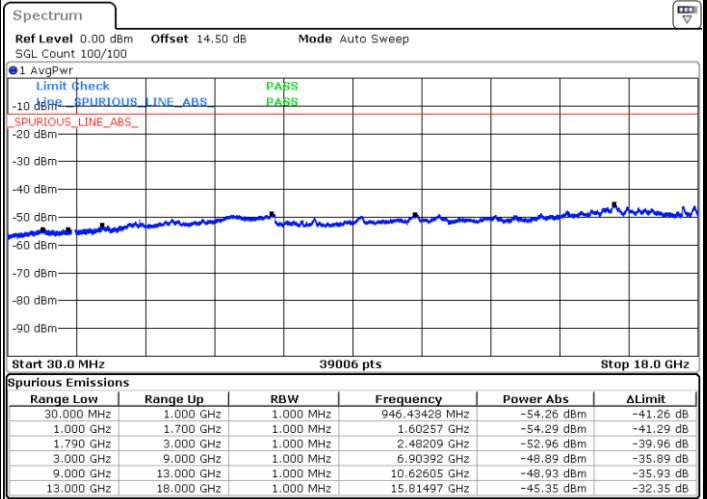
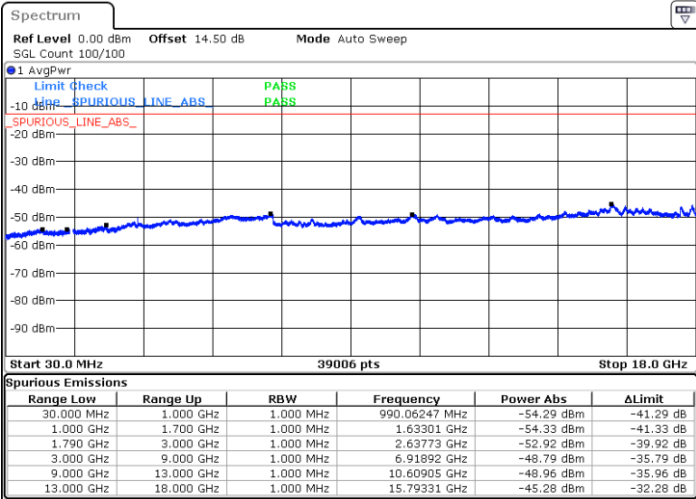


Date: 8.MAR.2023 23:08:52

Date: 8.MAR.2023 23:10:05

Middle Channel / QPSK

Middle Channel / 16QAM



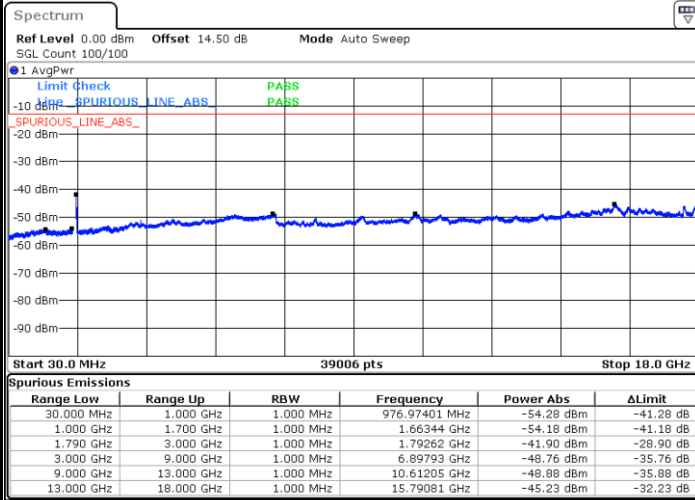
Date: 8.MAR.2023 23:12:56

Date: 8.MAR.2023 23:14:10



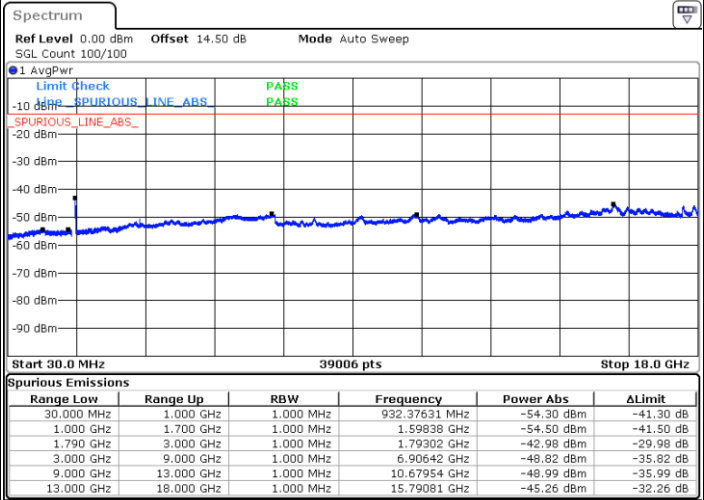
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 8.MAR.2023 23:21:34

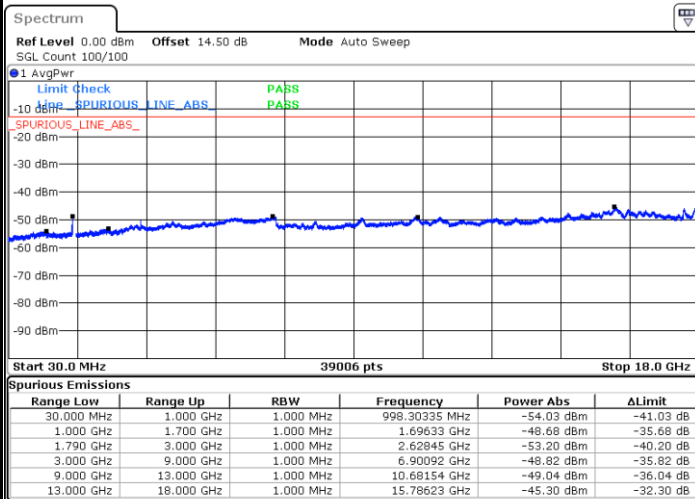
Highest Channel / 16QAM



Date: 8.MAR.2023 23:22:47

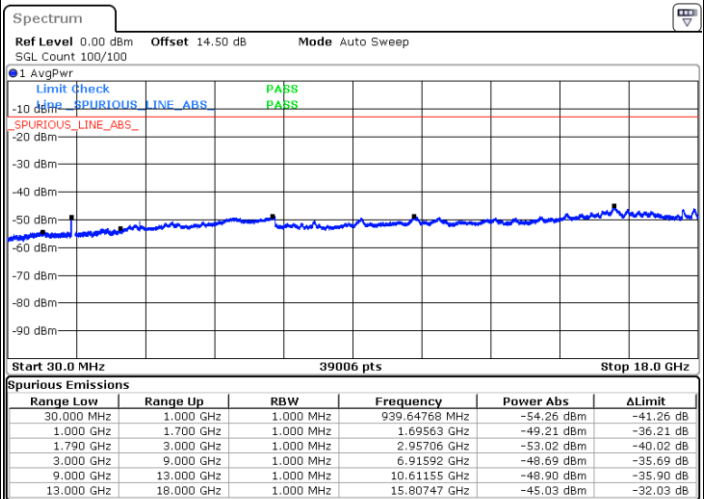
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 8.MAR.2023 23:30:12

Lowest Channel / 16QAM



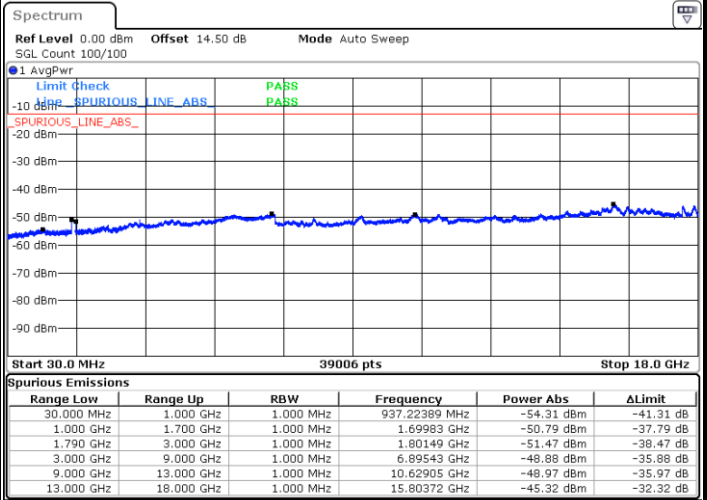
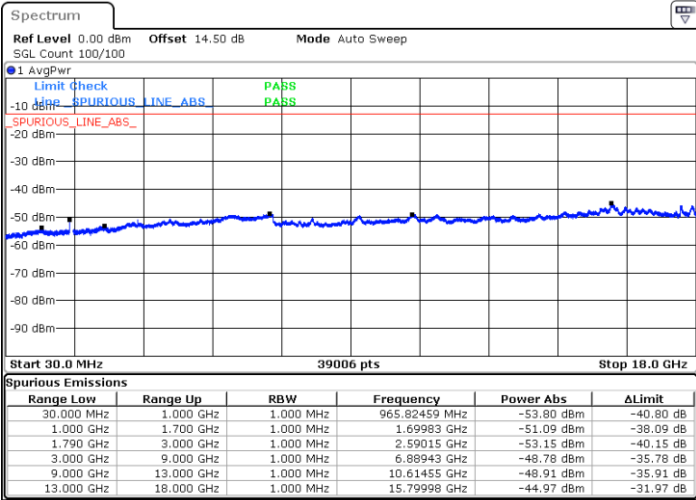
Date: 8.MAR.2023 23:31:26



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

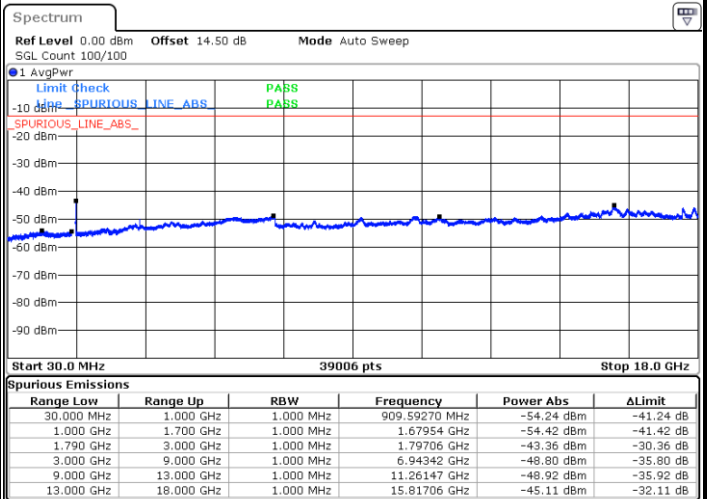
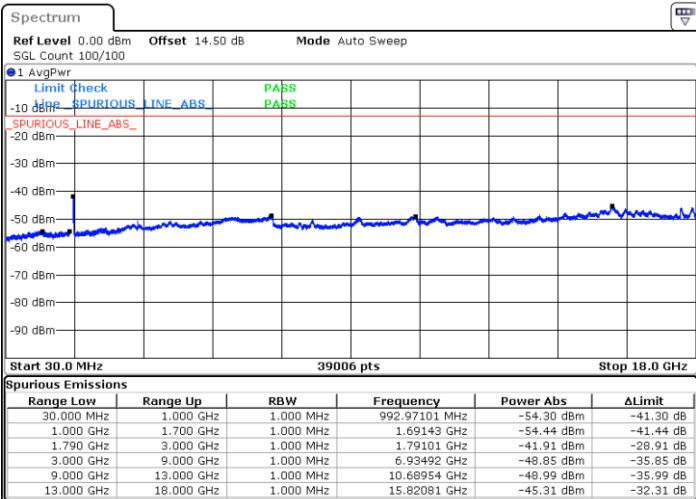


Date: 8.MAR.2023 23:34:16

Date: 8.MAR.2023 23:35:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.MAR.2023 23:42:54

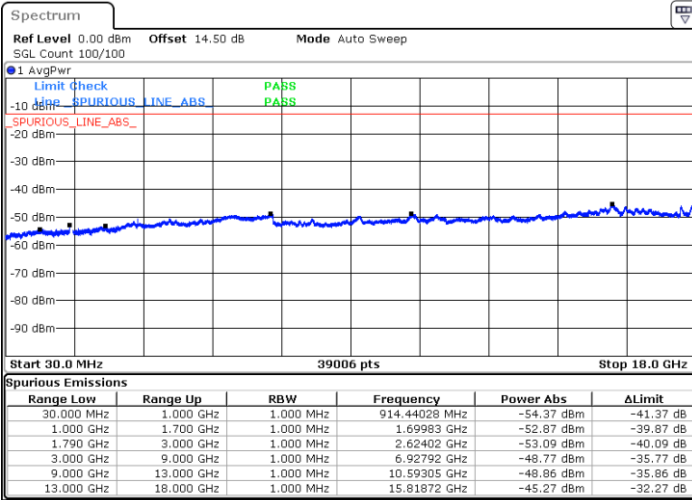
Date: 8.MAR.2023 23:44:07



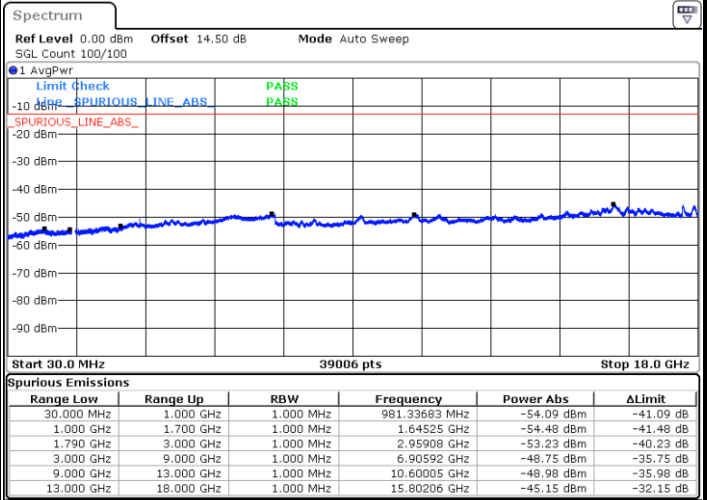
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



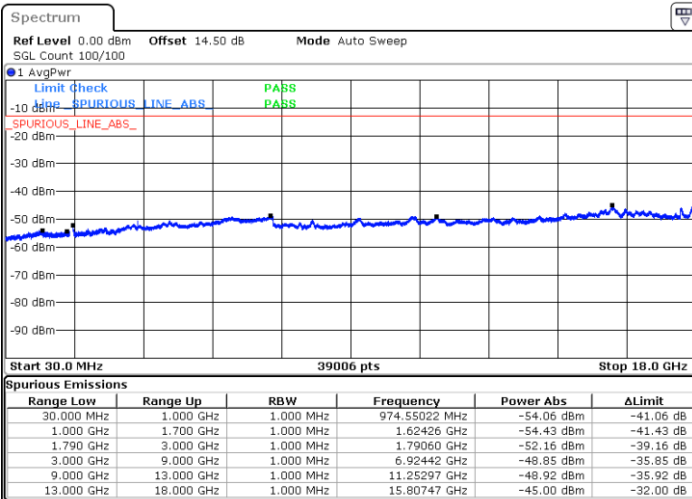
Date: 8.MAR.2023 21:10:27



Date: 8.MAR.2023 21:12:19

Highest Channel / 64QAM

NA



Date: 8.MAR.2023 21:16:44

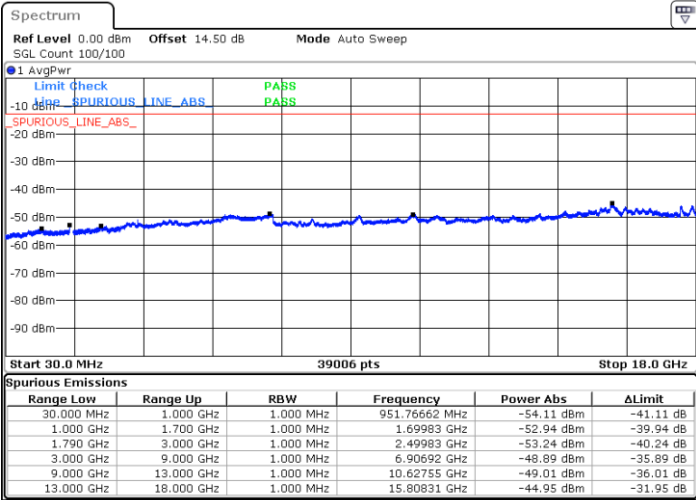
NA



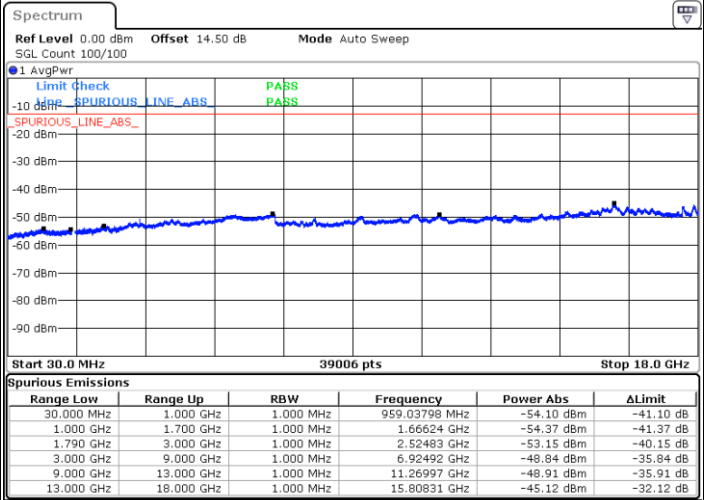
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



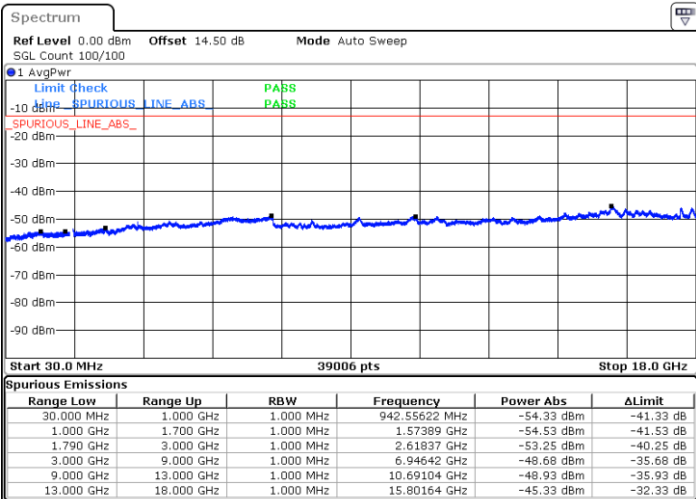
Date: 8.MAR.2023 21:42:12



Date: 8.MAR.2023 21:44:04

Highest Channel / 64QAM

NA



Date: 8.MAR.2023 21:48:13

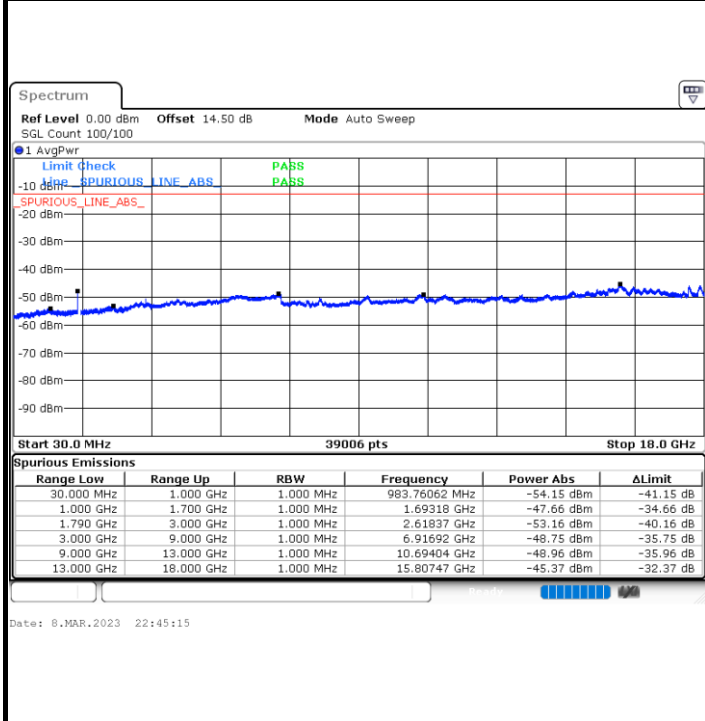
NA



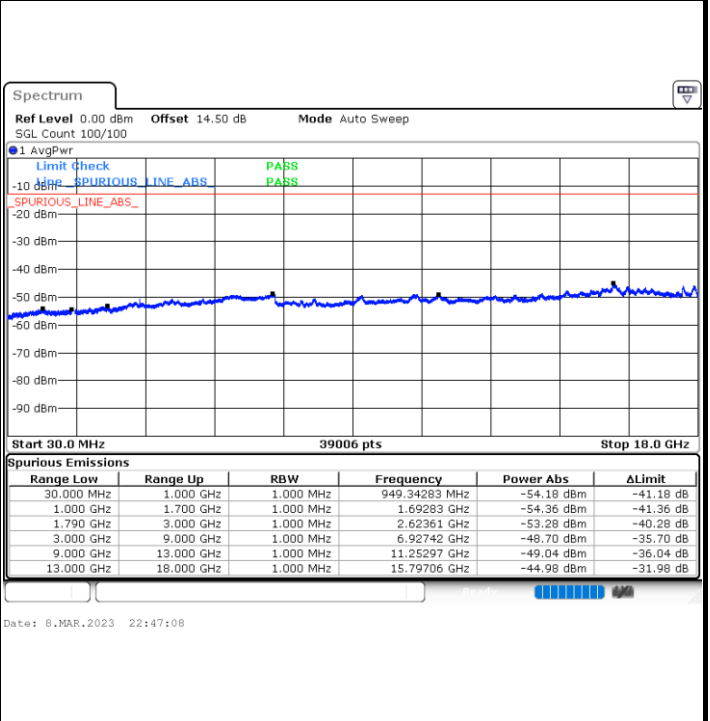


**LTE Band 66 / 10MHz**

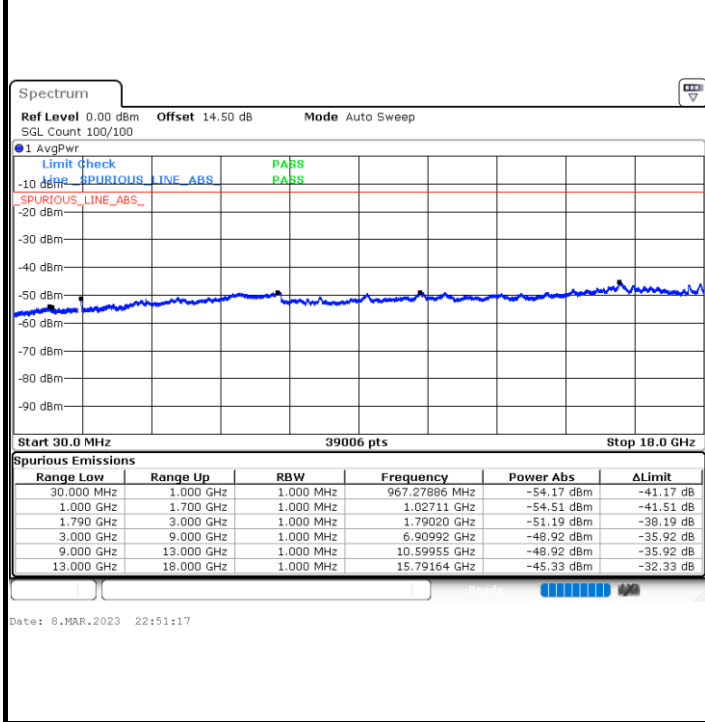
**Lowest Channel / 64QAM**



**Middle Channel / 64QAM**



**Highest Channel / 64QAM**

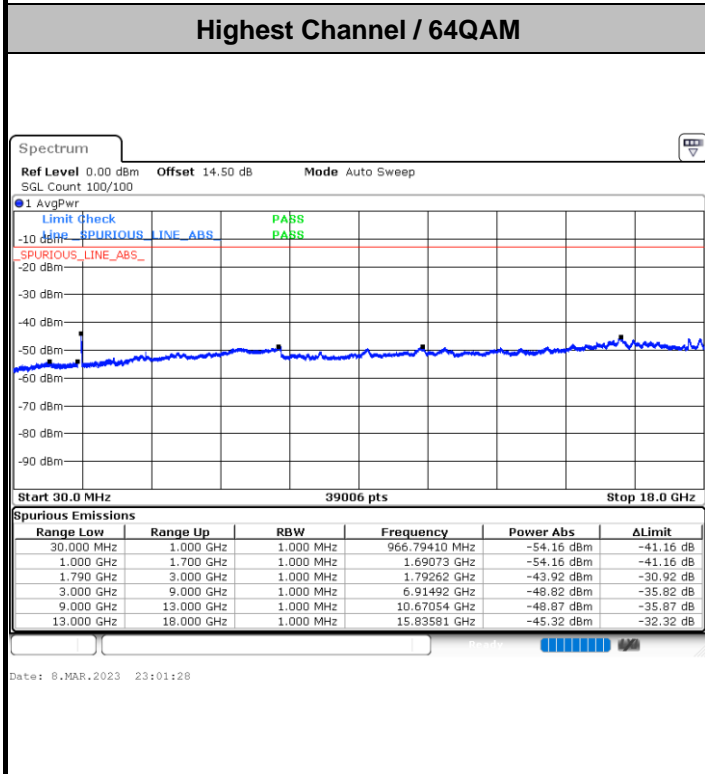
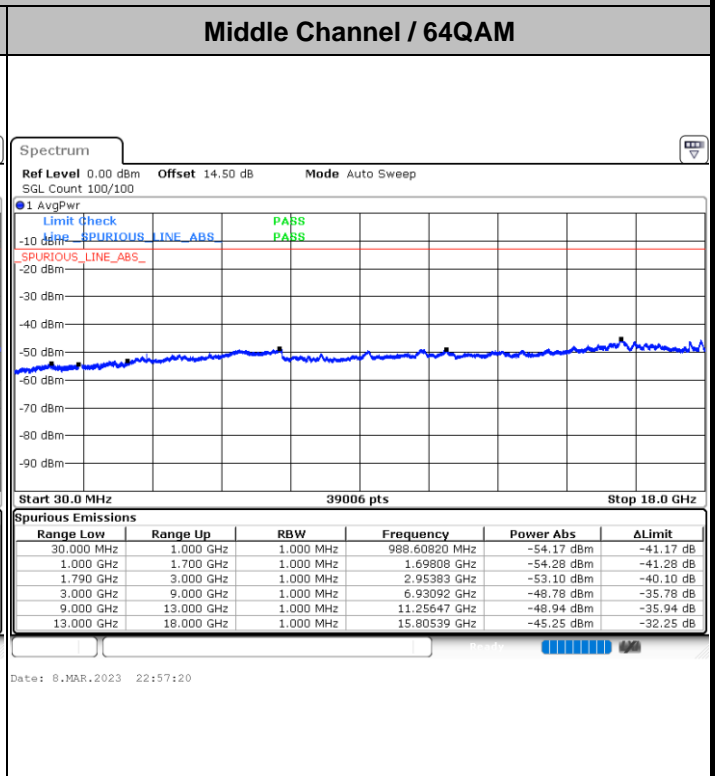
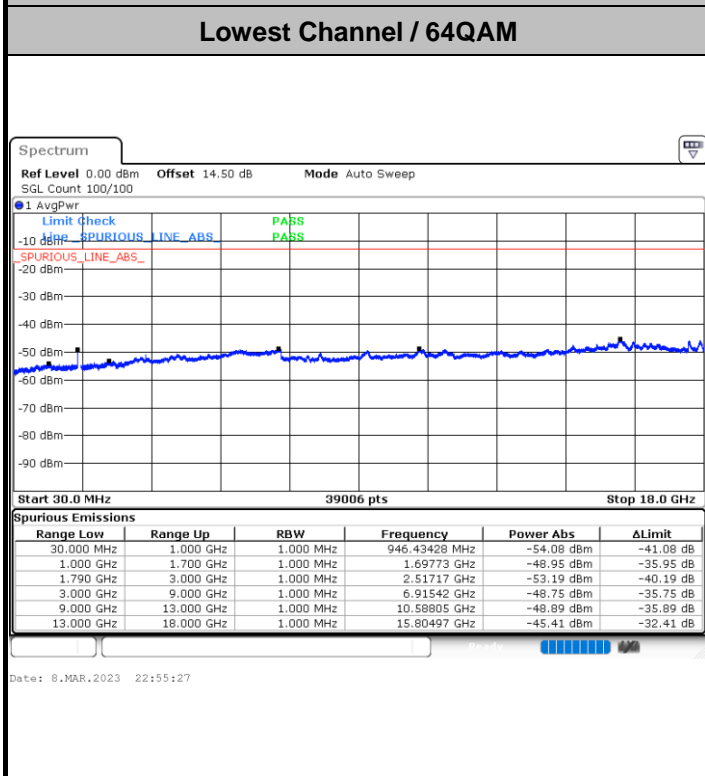


**NA**

NA



**LTE Band 66 / 15MHz**



NA

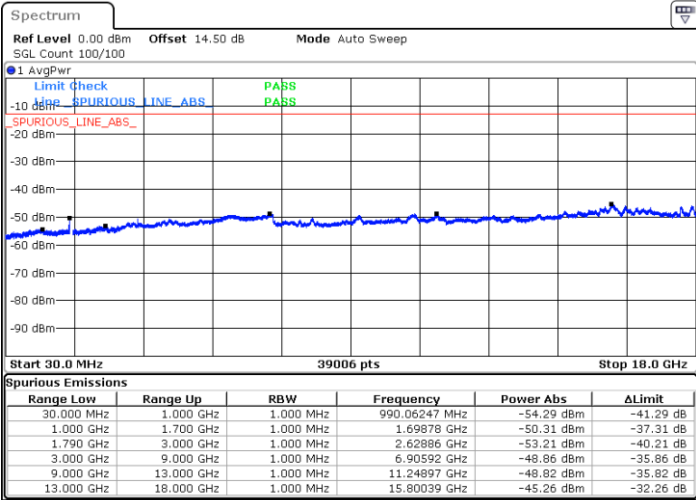
NA



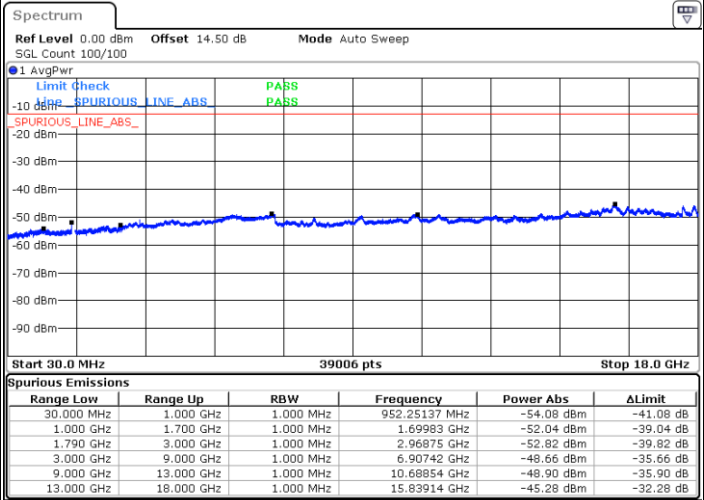
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



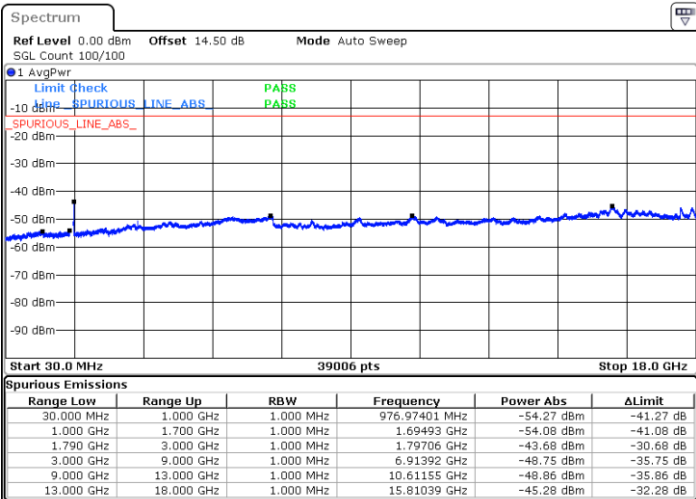
Date: 8.MAR.2023 23:48:17



Date: 8.MAR.2023 23:50:09

Highest Channel / 64QAM

NA



Date: 8.MAR.2023 23:54:18

NA



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0046	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE CA\_5B

## 26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.15	8.15	14.60
Middle CH	8.14	8.18	14.57
Highest CH	8.20	8.14	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.57	19.70	-
Middle CH	14.60	19.82	-
Highest CH	14.63	19.66	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.15	8.17	14.60
Middle CH	8.18	8.14	14.66
Highest CH	8.12	8.18	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.69	19.66	-
Middle CH	14.60	19.74	-
Highest CH	14.60	19.74	-

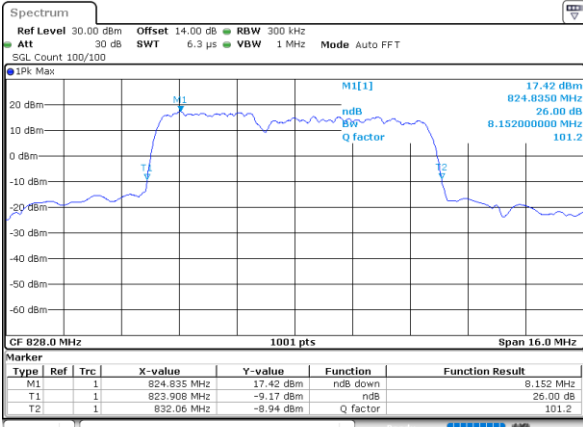
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.12	8.12	14.60
Middle CH	8.14	8.14	14.63
Highest CH	8.18	8.18	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.57	19.78	-
Middle CH	14.75	19.62	-
Highest CH	14.66	19.78	-



LTE Band 5B

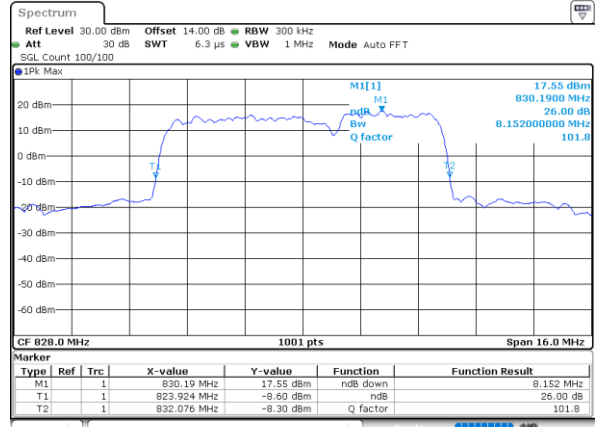
QPSK

Lowest Channel / 3MHz+5MHz



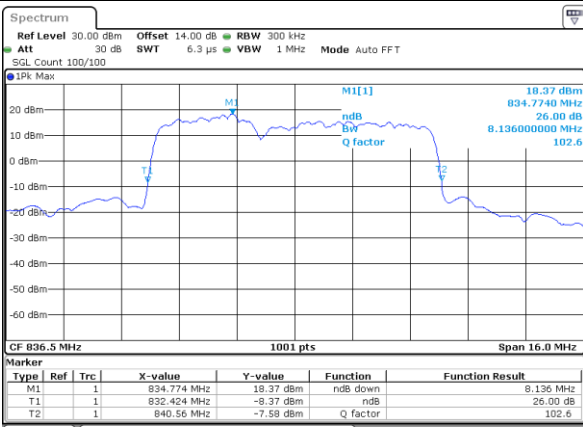
Date: 14.MAR.2023 21:46:42

Lowest Channel / 5MHz+3MHz



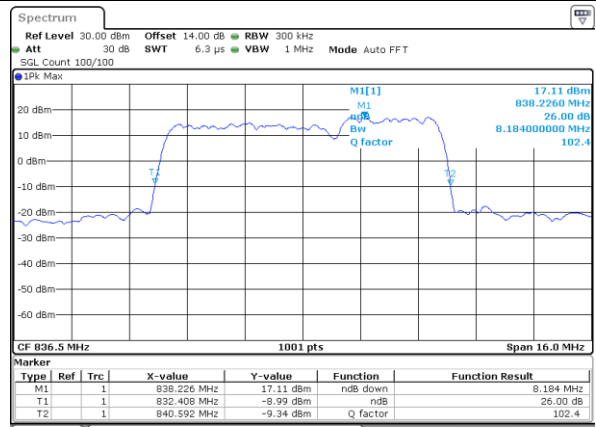
Date: 14.MAR.2023 23:15:20

Middle Channel / 3MHz+5MHz



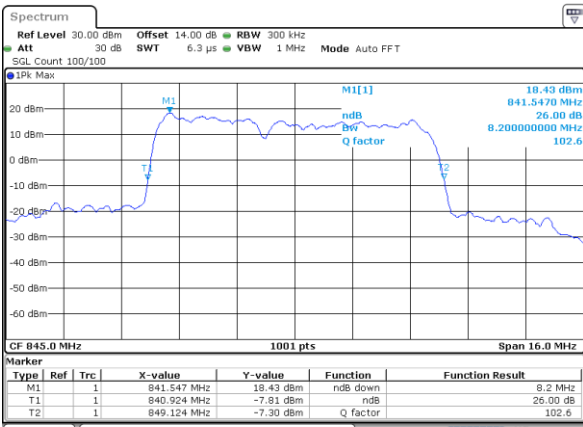
Date: 14.MAR.2023 22:20:26

Middle Channel / 5MHz+3MHz



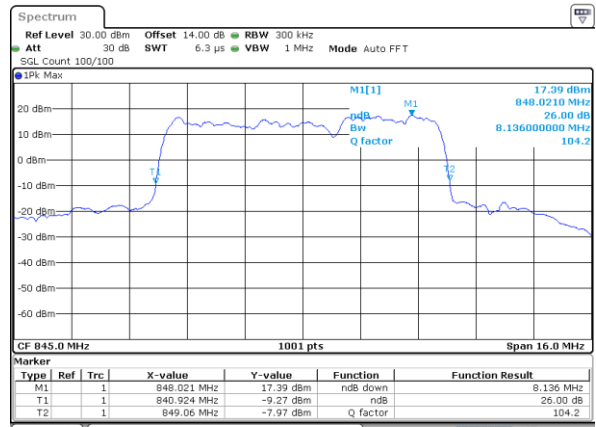
Date: 15.MAR.2023 00:17:51

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:35:09

Highest Channel / 5MHz+3MHz



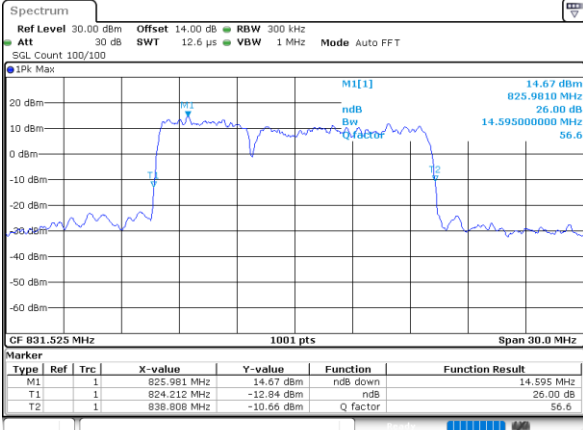
Date: 15.MAR.2023 00:52:55



LTE Band 5B

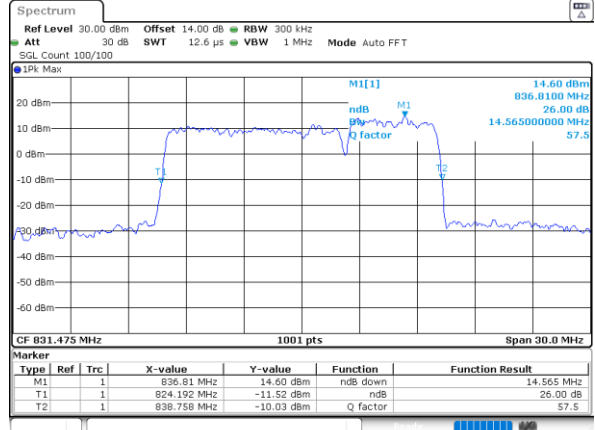
QPSK

Lowest Channel / 5MHz+10MHz



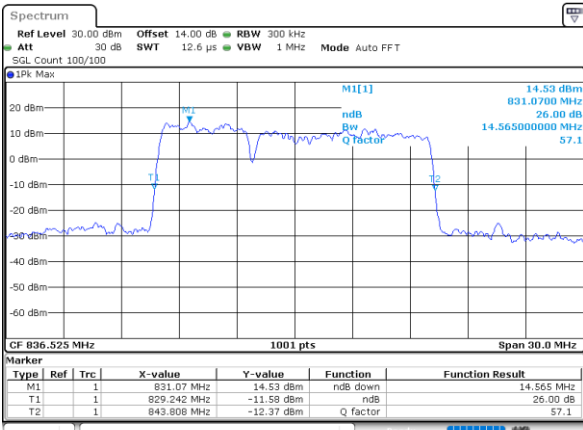
Date: 16.MAR.2023 01:26:58

Lowest Channel / 10MHz+5MHz



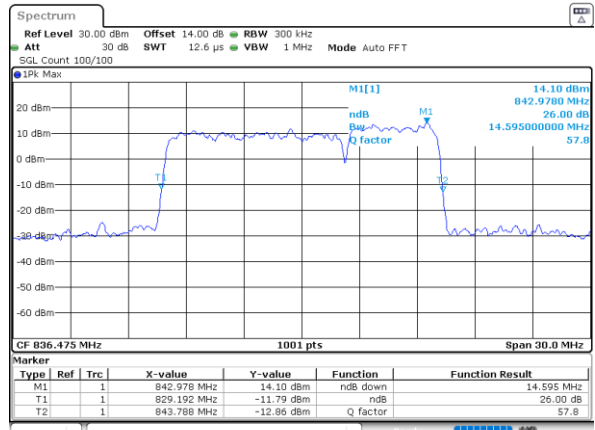
Date: 16.MAR.2023 16:22:52

Middle Channel / 5MHz+10MHz



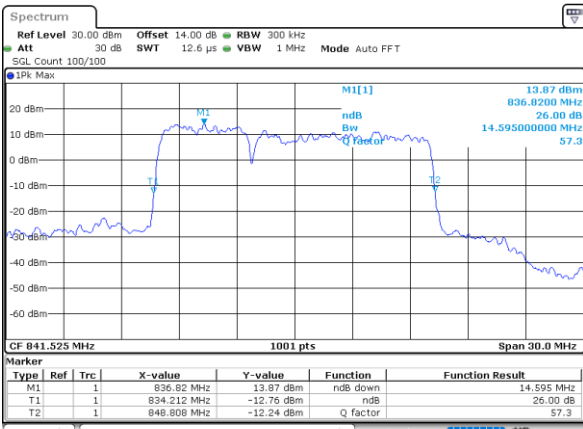
Date: 16.MAR.2023 01:59:56

Middle Channel / 10MHz+5MHz



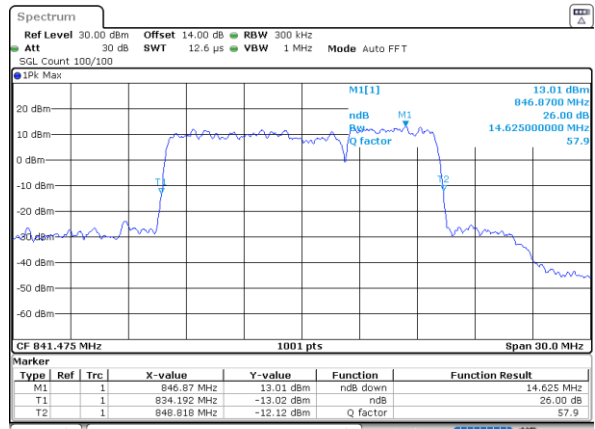
Date: 16.MAR.2023 17:00:22

Highest Channel / 5MHz+10MHz



Date: 16.MAR.2023 02:13:51

Highest Channel / 10MHz+5MHz



Date: 16.MAR.2023 17:12:02

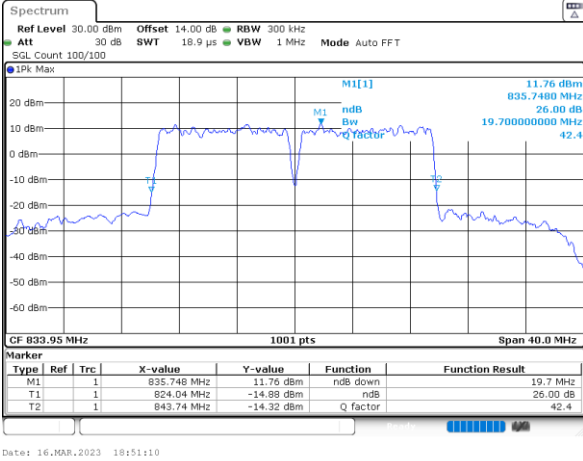


LTE Band 5B

QPSK

Lowest Channel / 10MHz+10MHz

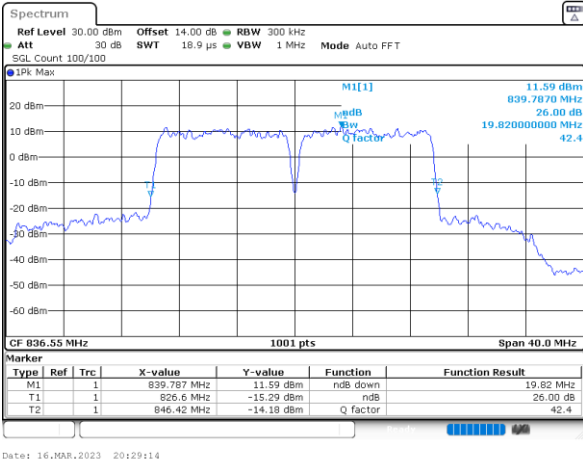
N/A



Date: 16\_MAR\_2023 18:51:10

Middle Channel / 10MHz+10MHz

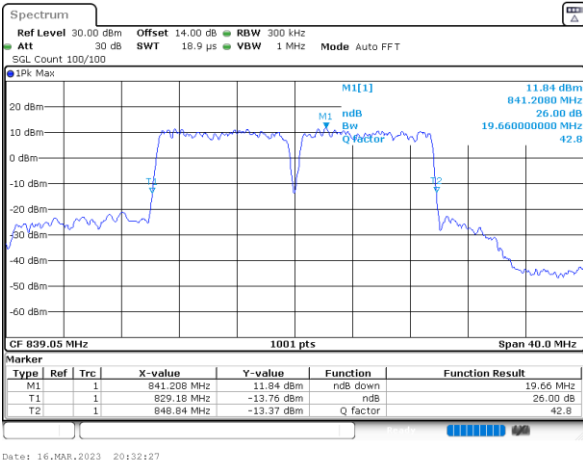
N/A



Date: 16\_MAR\_2023 20:29:14

Highest Channel / 10MHz+10MHz

N/A



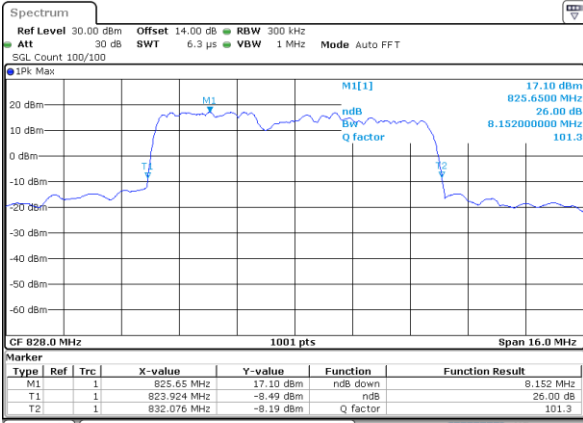
Date: 16\_MAR\_2023 20:32:27



LTE Band 5B

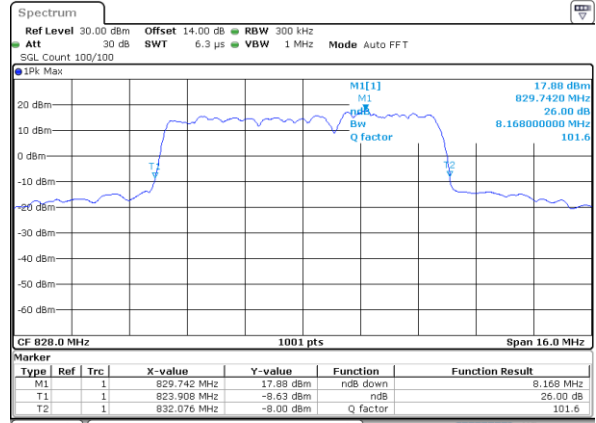
16QAM

Lowest Channel / 3MHz+5MHz



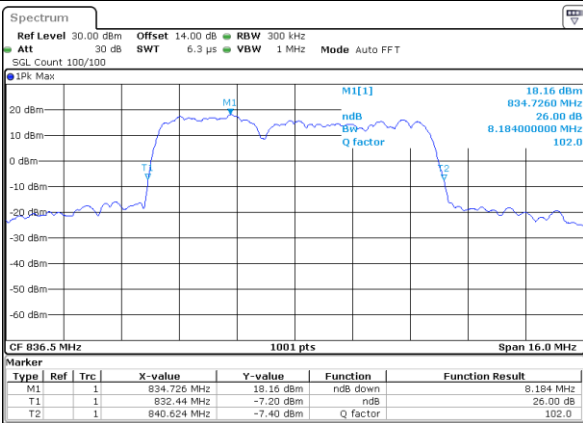
Date: 14.MAR.2023 21:46:12

Lowest Channel / 5MHz+3MHz



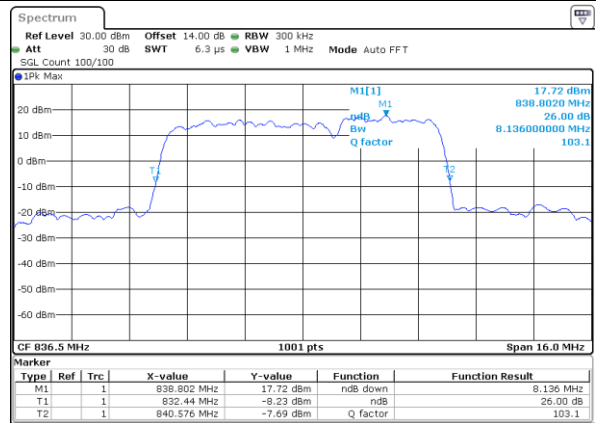
Date: 14.MAR.2023 23:14:50

Middle Channel / 3MHz+5MHz



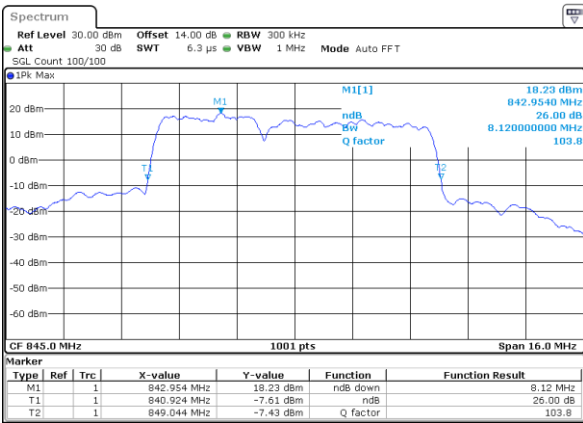
Date: 14.MAR.2023 22:19:56

Middle Channel / 5MHz+3MHz



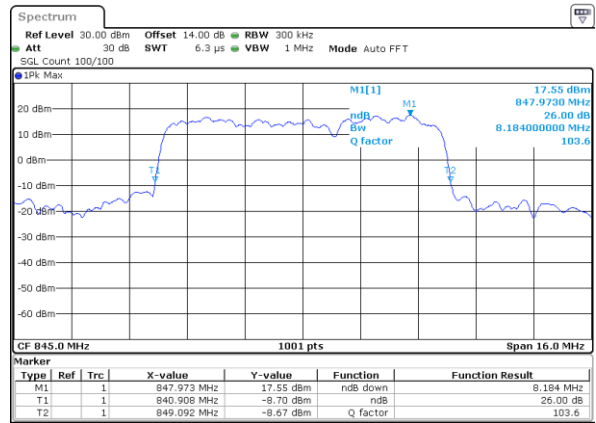
Date: 15.MAR.2023 00:17:21

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:35:39

Highest Channel / 5MHz+3MHz



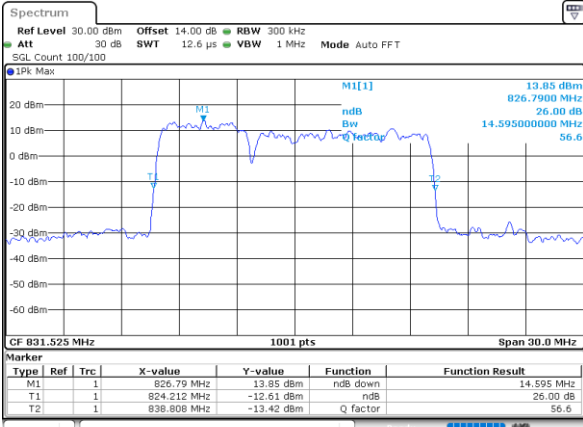
Date: 15.MAR.2023 00:53:26



LTE Band 5B

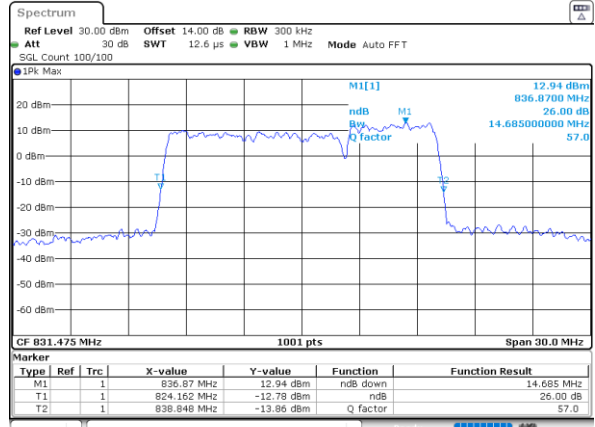
16QAM

Lowest Channel / 5MHz+10MHz



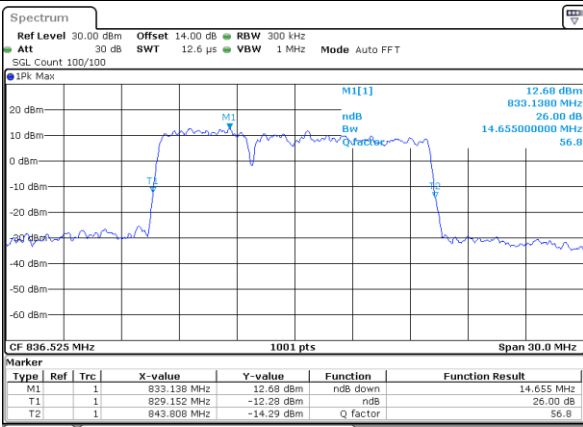
Date: 16.MAR.2023 01:26:28

Lowest Channel / 10MHz+5MHz



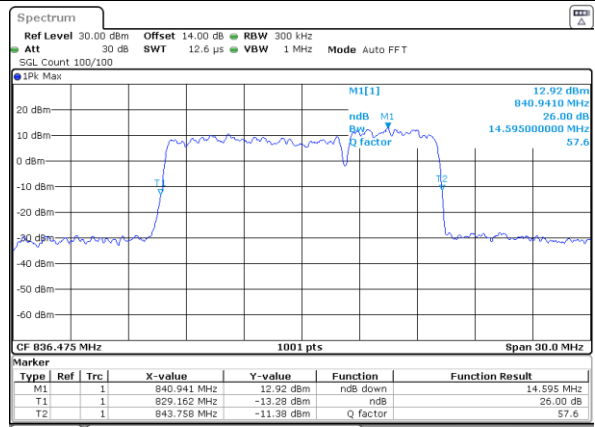
Date: 16.MAR.2023 16:22:22

Middle Channel / 5MHz+10MHz



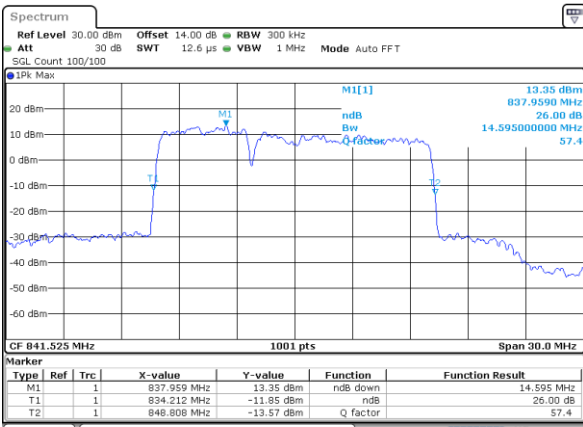
Date: 16.MAR.2023 01:59:26

Middle Channel / 10MHz+5MHz



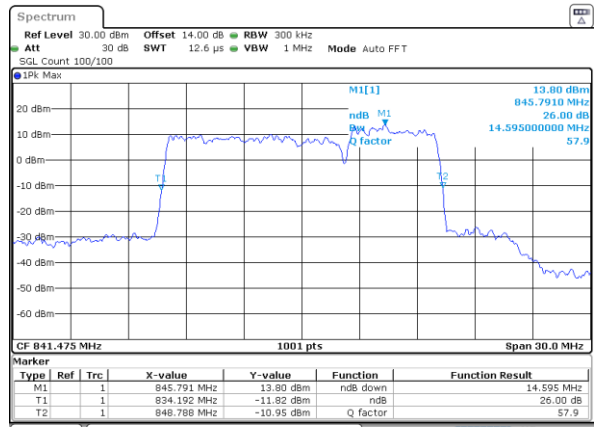
Date: 16.MAR.2023 16:59:52

Highest Channel / 5MHz+10MHz



Date: 16.MAR.2023 02:14:22

Highest Channel / 10MHz+5MHz



Date: 16.MAR.2023 17:12:32

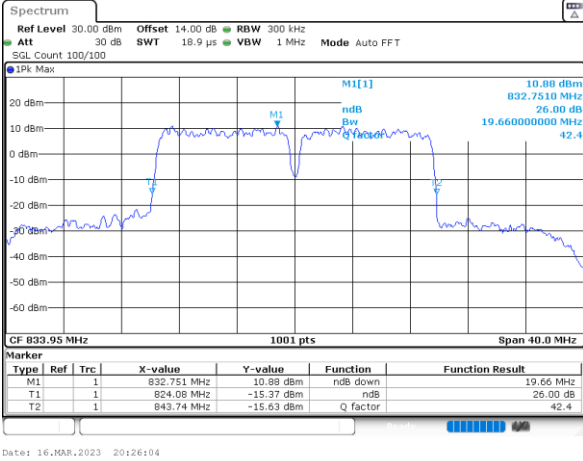


LTE Band 5B

16QAM

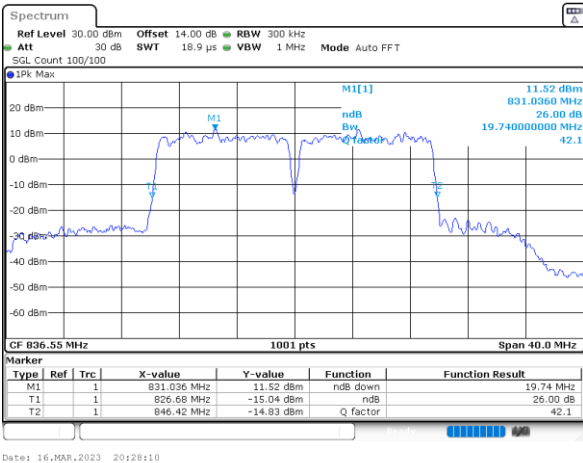
Lowest Channel / 10MHz+10MHz

N/A



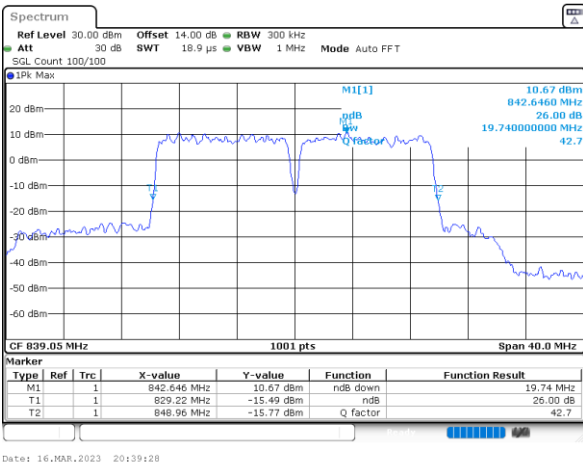
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

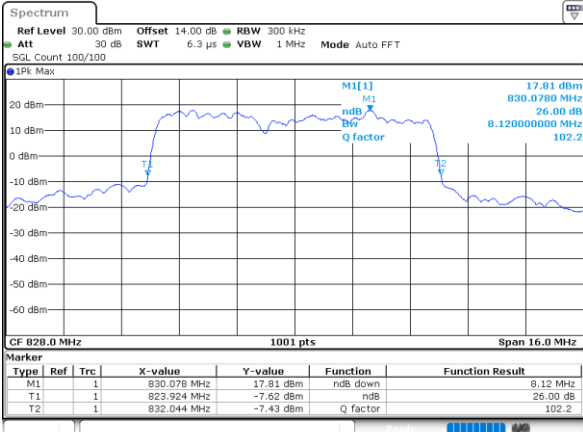




LTE Band 5B

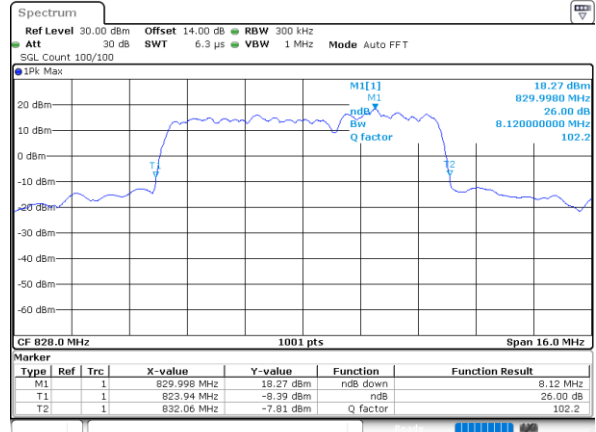
64QAM

Lowest Channel / 3MHz+5MHz



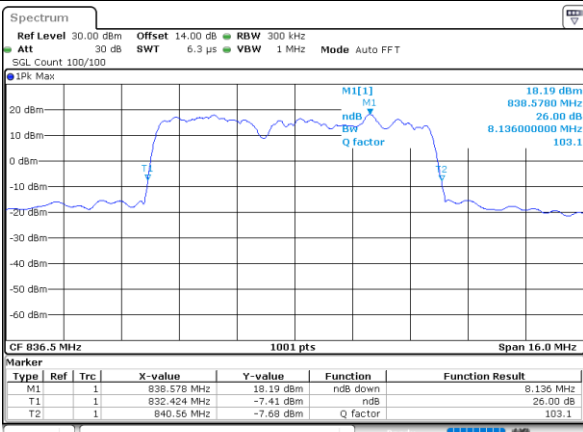
Date: 14.MAR.2023 21:45:42

Lowest Channel / 5MHz+3MHz



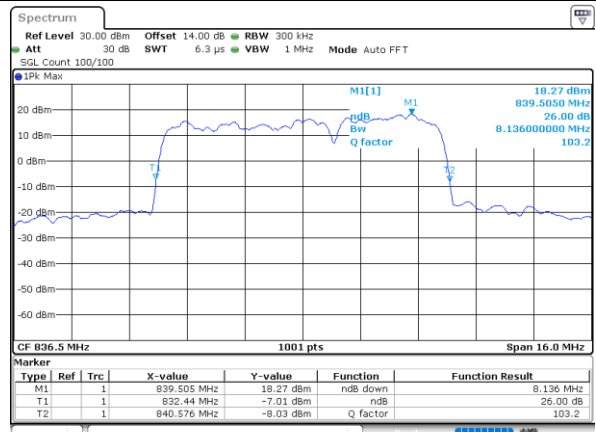
Date: 14.MAR.2023 23:14:20

Middle Channel / 3MHz+5MHz



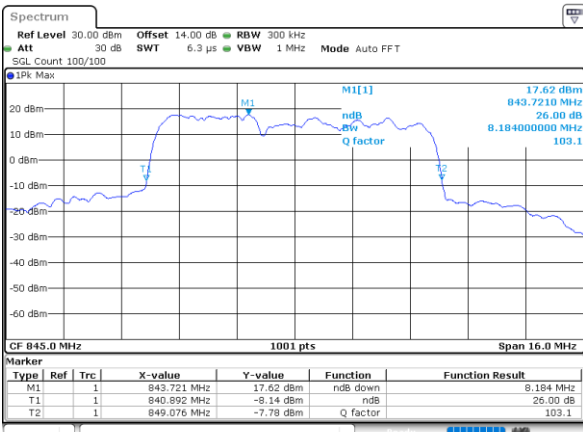
Date: 14.MAR.2023 22:19:26

Middle Channel / 5MHz+3MHz



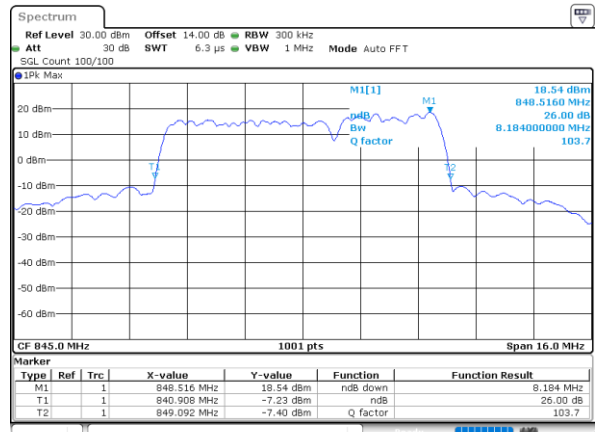
Date: 15.MAR.2023 00:16:51

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:36:09

Highest Channel / 5MHz+3MHz



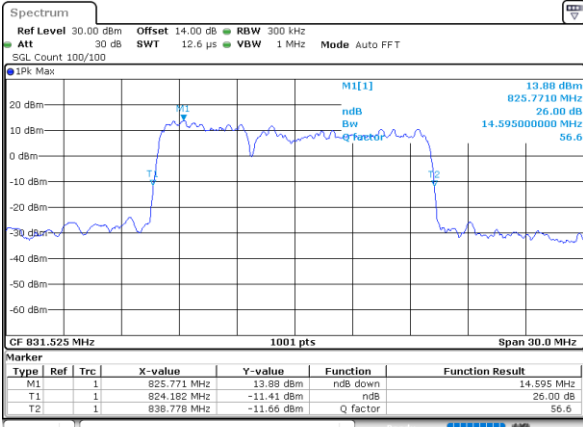
Date: 15.MAR.2023 00:53:56



LTE Band 5B

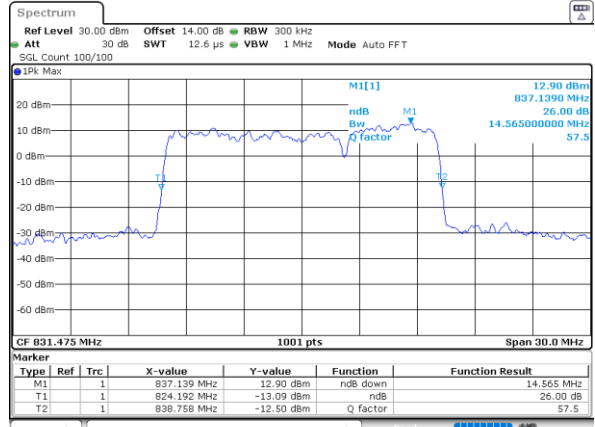
64QAM

Lowest Channel / 5MHz+10MHz



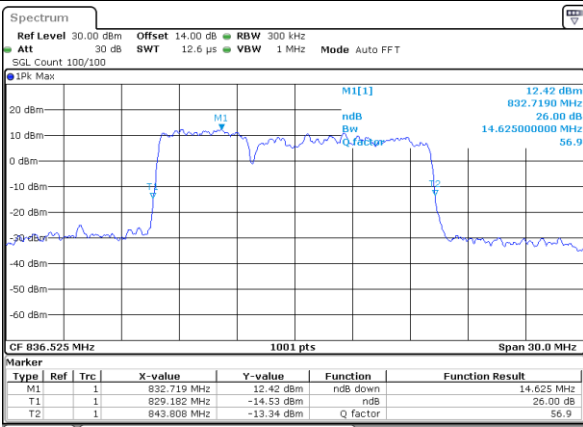
Date: 16.MAR.2023 01:25:58

Lowest Channel / 10MHz+5MHz



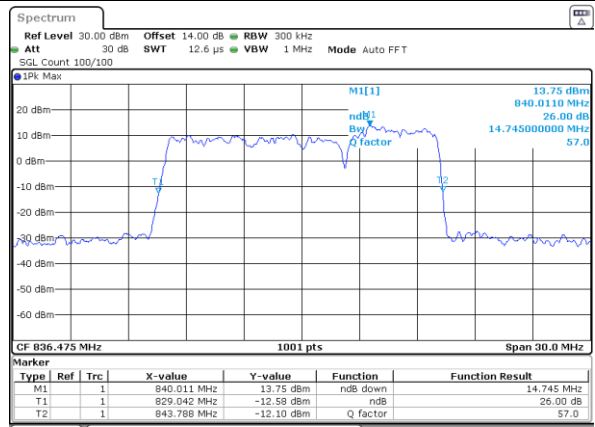
Date: 16.MAR.2023 16:21:52

Middle Channel / 5MHz+10MHz



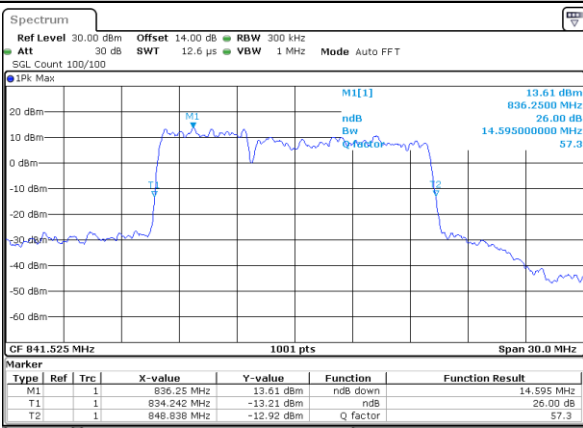
Date: 16.MAR.2023 01:58:56

Middle Channel / 10MHz+5MHz



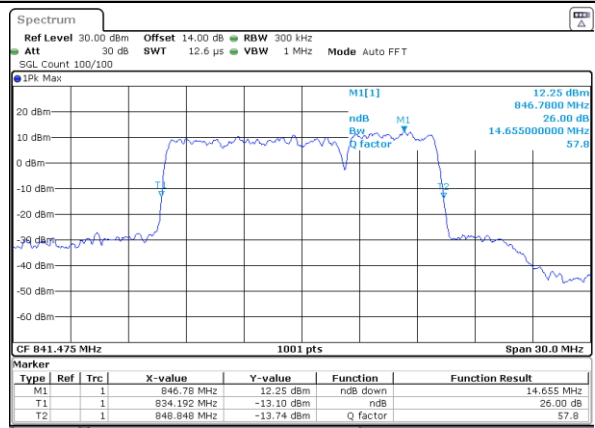
Date: 16.MAR.2023 16:59:21

Highest Channel / 5MHz+10MHz



Date: 16.MAR.2023 02:14:53

Highest Channel / 10MHz+5MHz



Date: 16.MAR.2023 17:13:02

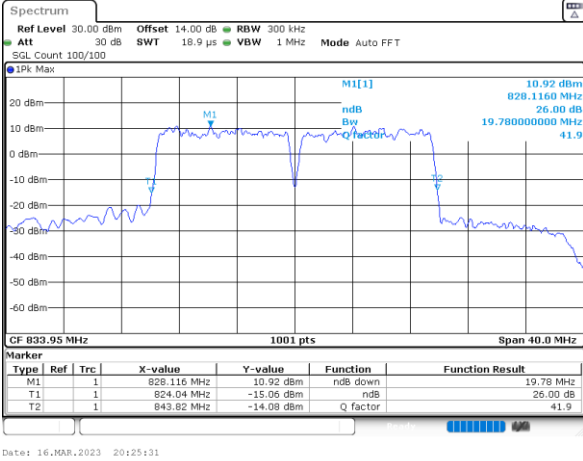


LTE Band 5B

64QAM

Lowest Channel / 10MHz+10MHz

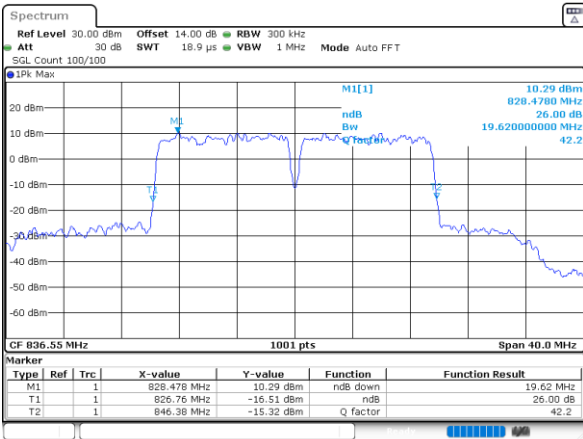
N/A



Date: 16.MAR.2023 20:25:31

Middle Channel / 10MHz+10MHz

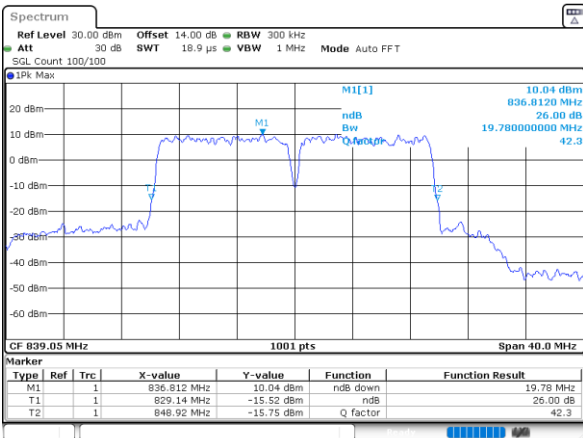
N/A



Date: 16.MAR.2023 20:28:42

Highest Channel / 10MHz+10MHz

N/A



Date: 16.MAR.2023 20:34:55



### Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.62	7.62	13.94
Middle CH	7.56	7.59	13.91
Highest CH	7.53	7.56	13.88
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.94	18.74	-
Middle CH	13.91	18.78	-
Highest CH	13.85	18.78	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.53	7.58	13.91
Middle CH	7.53	7.56	13.88
Highest CH	7.54	7.56	13.88
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.88	18.78	-
Middle CH	13.97	18.78	-
Highest CH	13.82	18.70	-

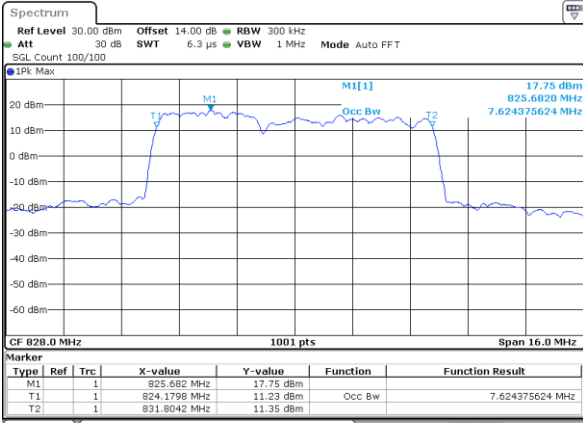
Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.58	7.54	13.85
Middle CH	7.51	7.58	13.88
Highest CH	7.59	7.58	13.88
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.91	18.66	-
Middle CH	13.91	18.78	-
Highest CH	13.91	18.78	-



LTE Band 5B

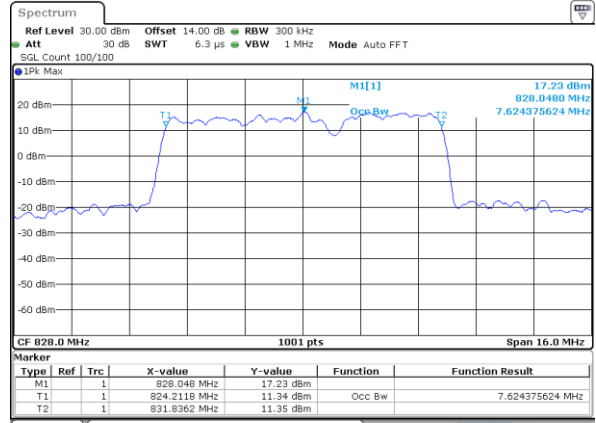
QPSK

Lowest Channel / 3MHz+5MHz



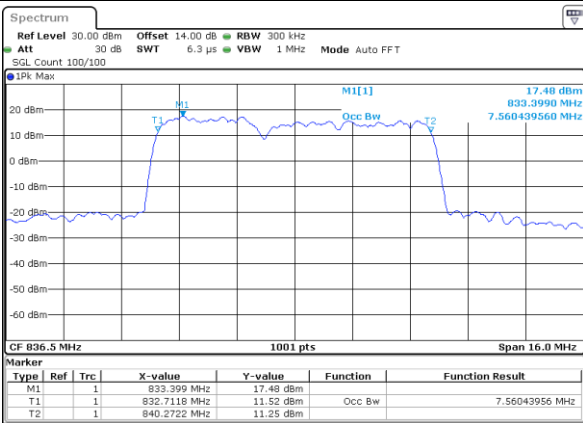
Date: 14.MAR.2023 21:44:05

Lowest Channel / 5MHz+3MHz



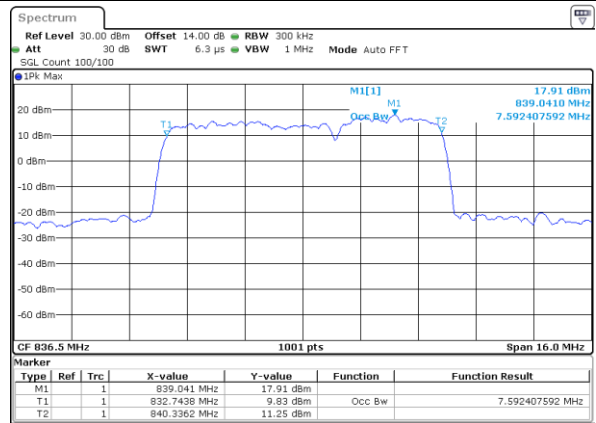
Date: 14.MAR.2023 23:12:50

Middle Channel / 3MHz+5MHz



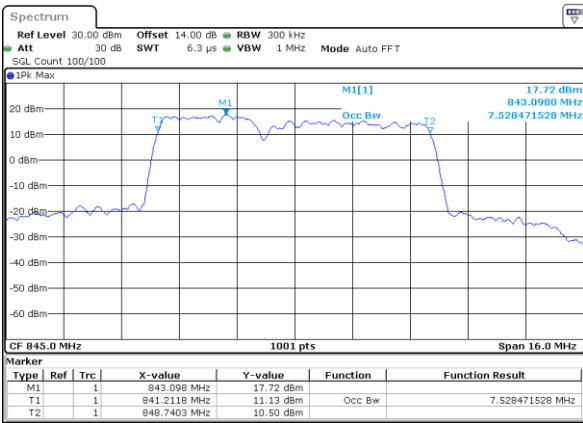
Date: 14.MAR.2023 22:17:55

Middle Channel / 5MHz+3MHz



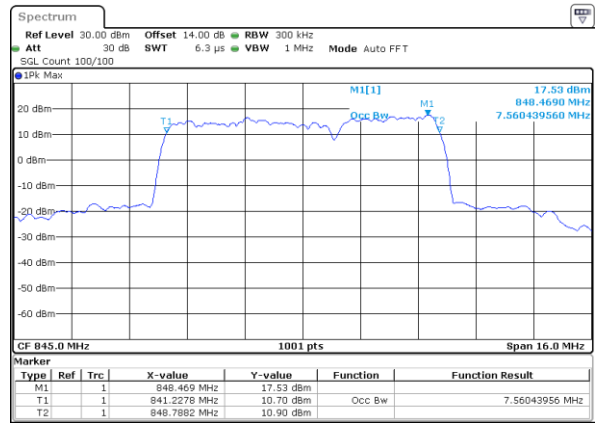
Date: 15.MAR.2023 00:15:20

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:34:39

Highest Channel / 5MHz+3MHz



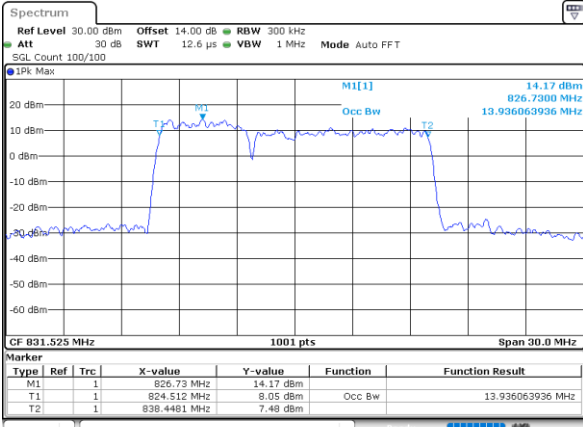
Date: 15.MAR.2023 00:52:26



LTE Band 5B

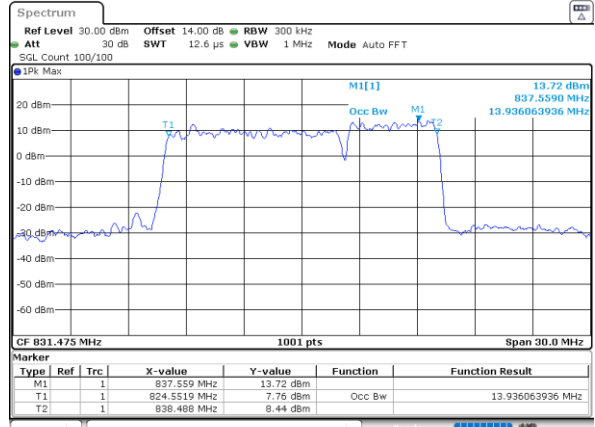
QPSK

Lowest Channel / 5MHz+10MHz



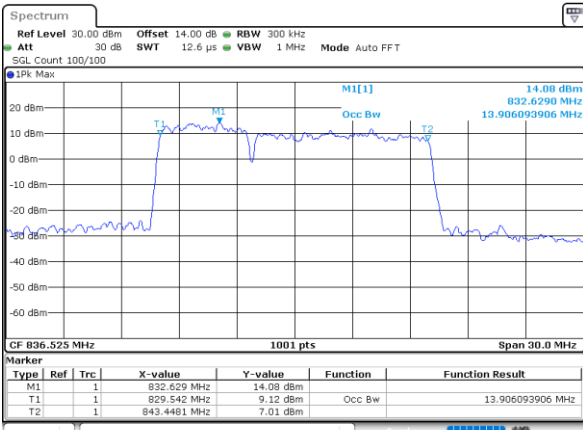
Date: 16.MAR.2023 01:24:29

Lowest Channel / 10MHz+5MHz



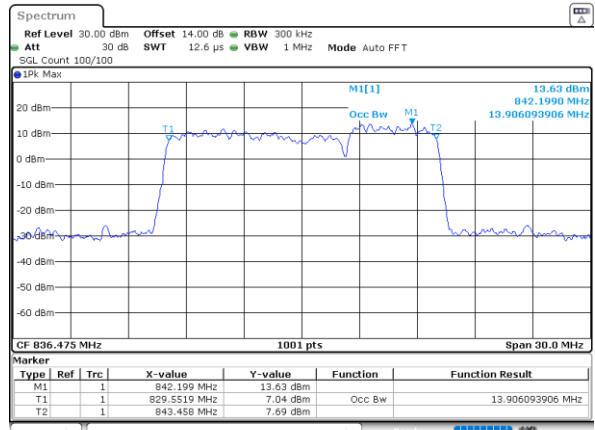
Date: 16.MAR.2023 16:20:21

Middle Channel / 5MHz+10MHz



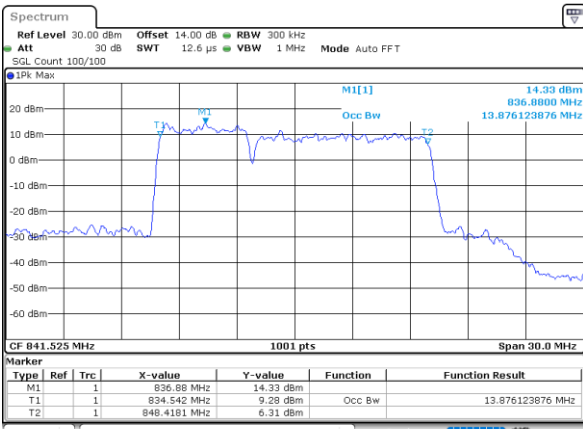
Date: 16.MAR.2023 01:57:25

Middle Channel / 10MHz+5MHz



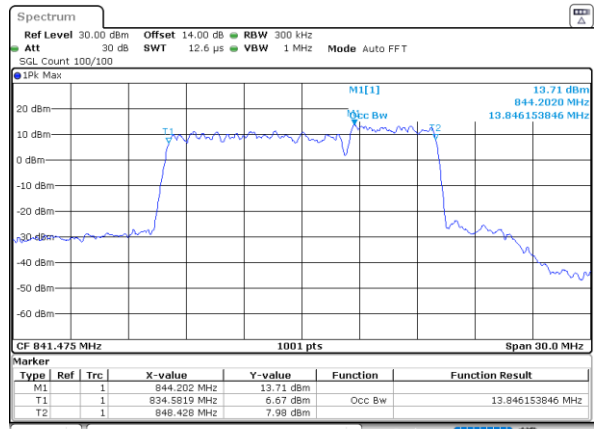
Date: 16.MAR.2023 16:57:51

Highest Channel / 5MHz+10MHz



Date: 16.MAR.2023 02:13:21

Highest Channel / 10MHz+5MHz



Date: 16.MAR.2023 17:11:32

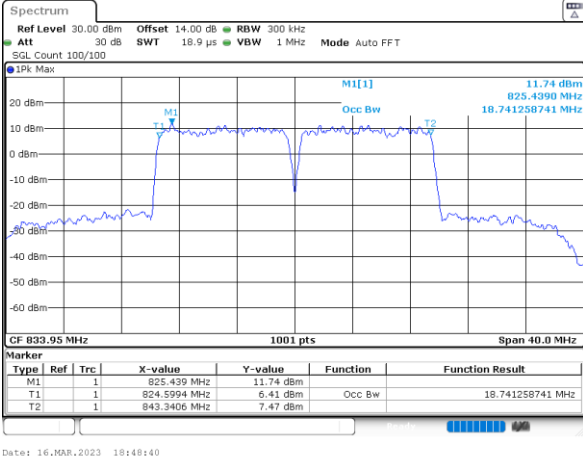


LTE Band 5B

QPSK

Lowest Channel / 10MHz+10MHz

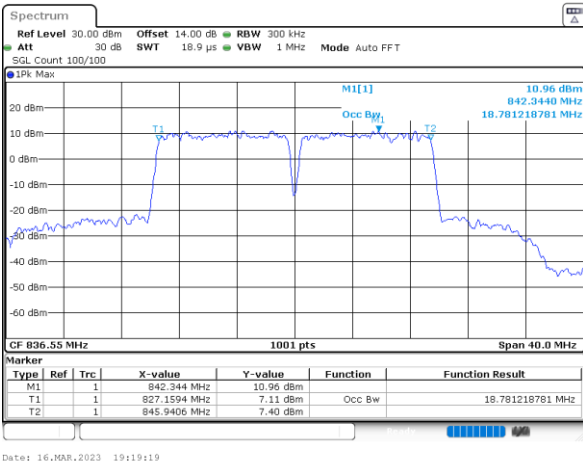
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Date: 16.MAR.2023 18:48:40

Middle Channel / 10MHz+10MHz

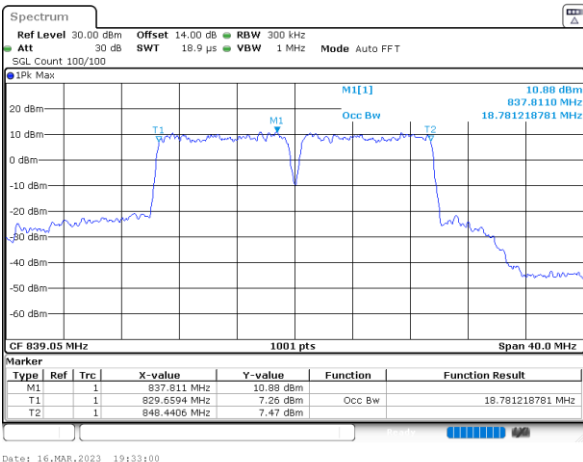
N/A



Date: 16.MAR.2023 19:19:19

Highest Channel / 10MHz+10MHz

N/A



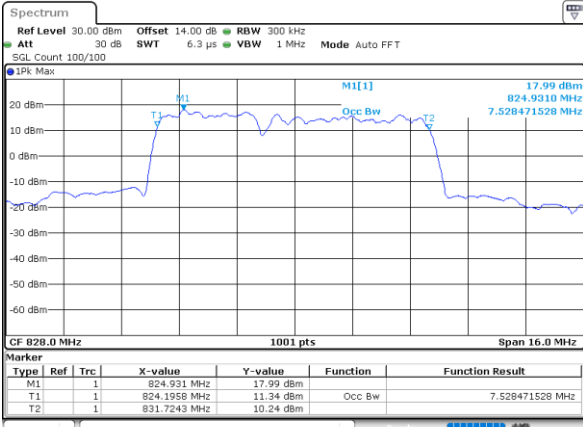
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LTE Band 5B

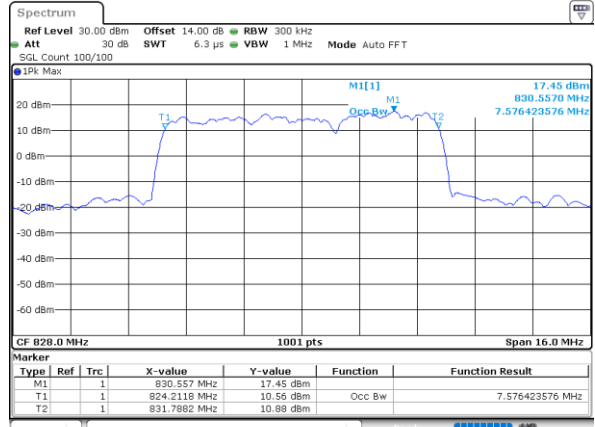
16QAM

Lowest Channel / 3MHz+5MHz



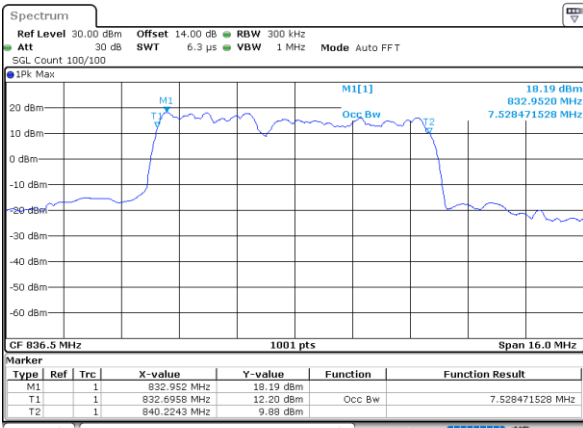
Date: 14.MAR.2023 21:44:37

Lowest Channel / 5MHz+3MHz



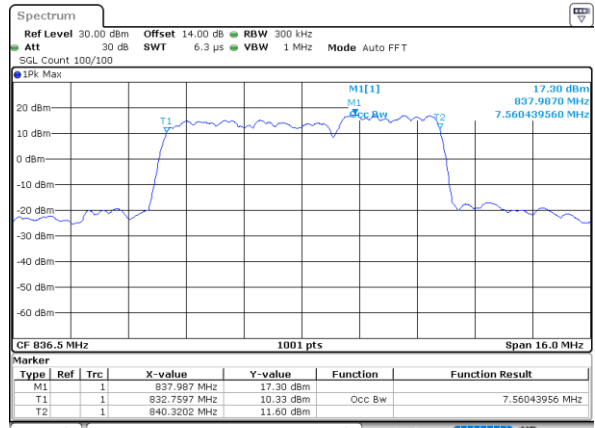
Date: 14.MAR.2023 23:13:20

Middle Channel / 3MHz+5MHz



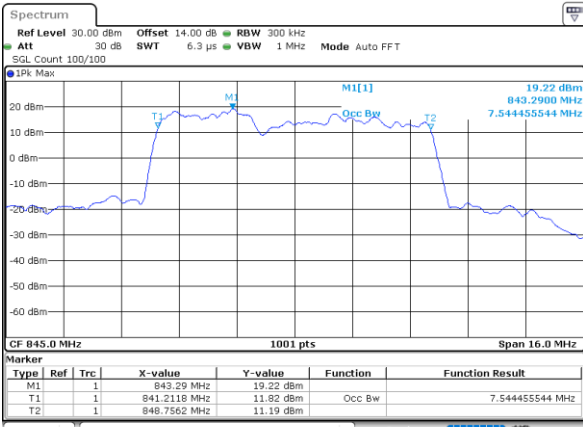
Date: 14.MAR.2023 22:18:25

Middle Channel / 5MHz+3MHz



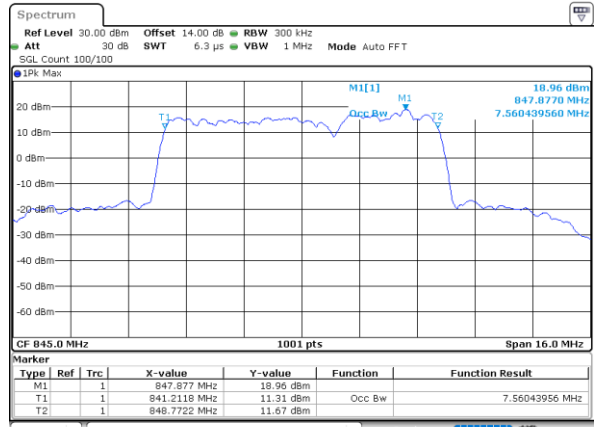
Date: 15.MAR.2023 00:15:50

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:34:09

Highest Channel / 5MHz+3MHz



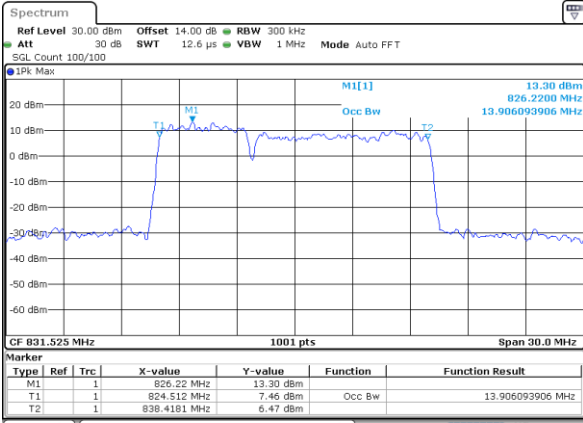
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LTE Band 5B

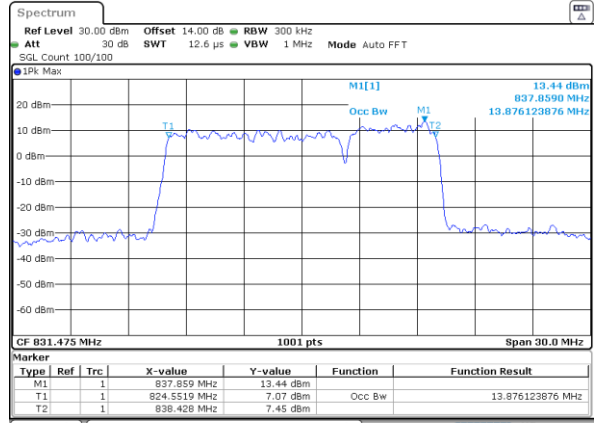
16QAM

Lowest Channel / 5MHz+10MHz



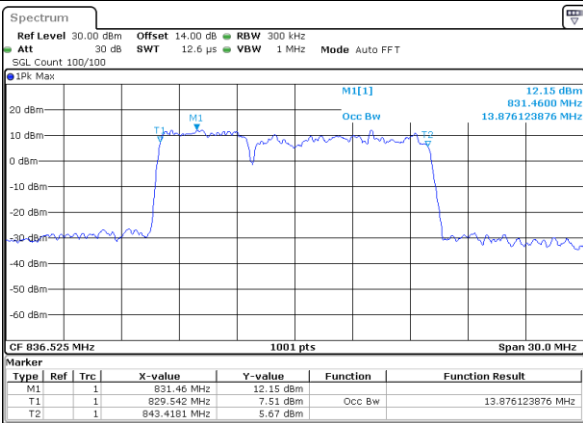
Date: 16.MAR.2023 01:24:59

Lowest Channel / 10MHz+5MHz



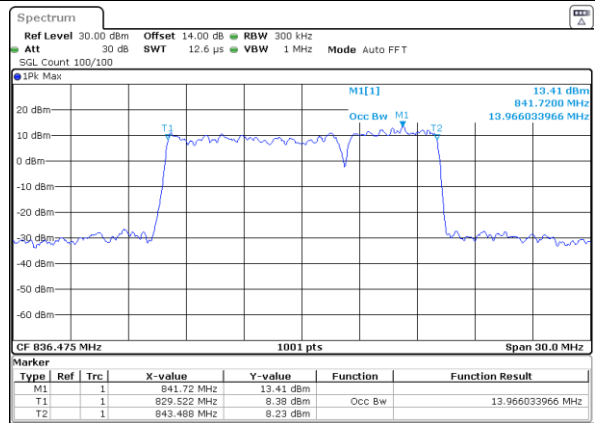
Date: 16.MAR.2023 16:20:52

Middle Channel / 5MHz+10MHz



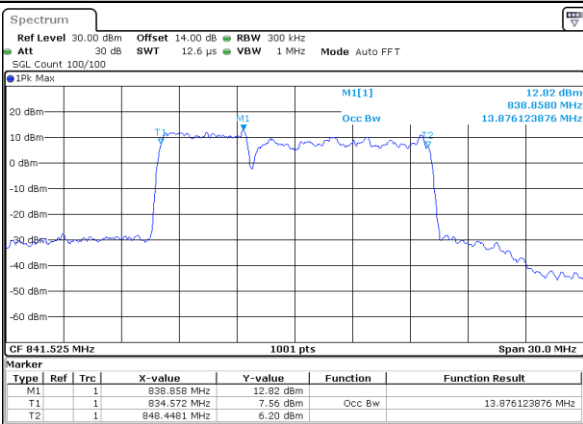
Date: 16.MAR.2023 01:57:55

Middle Channel / 10MHz+5MHz



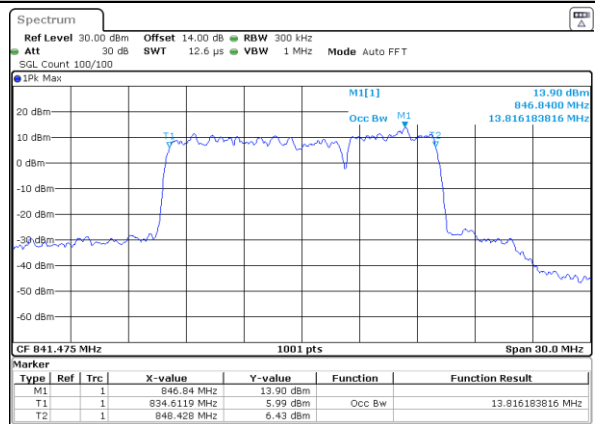
Date: 16.MAR.2023 16:59:21

Highest Channel / 5MHz+10MHz



Date: 16.MAR.2023 02:12:51

Highest Channel / 10MHz+5MHz



Date: 16.MAR.2023 17:11:02

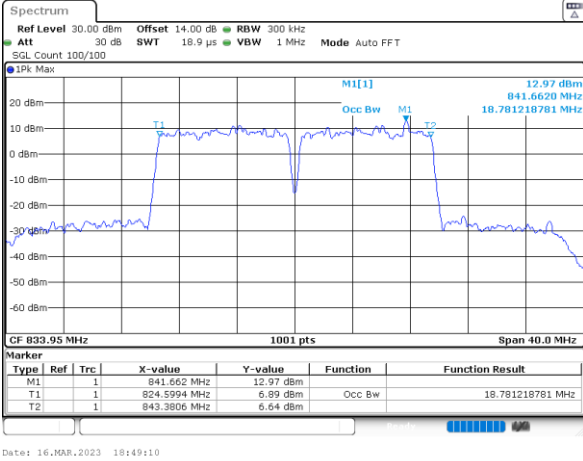


LTE Band 5B

16QAM

Lowest Channel / 10MHz+10MHz

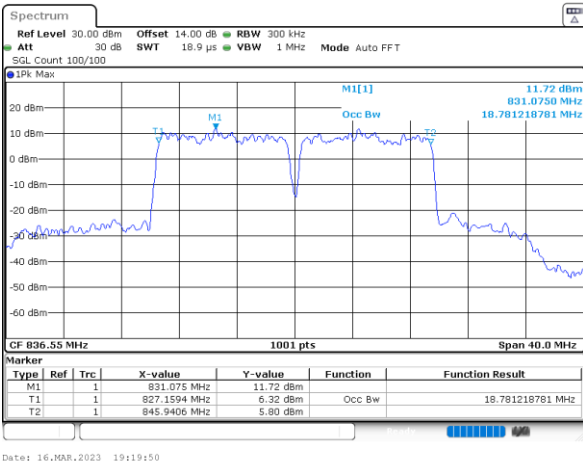
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Date: 16.MAR.2023 18:49:10

Middle Channel / 10MHz+10MHz

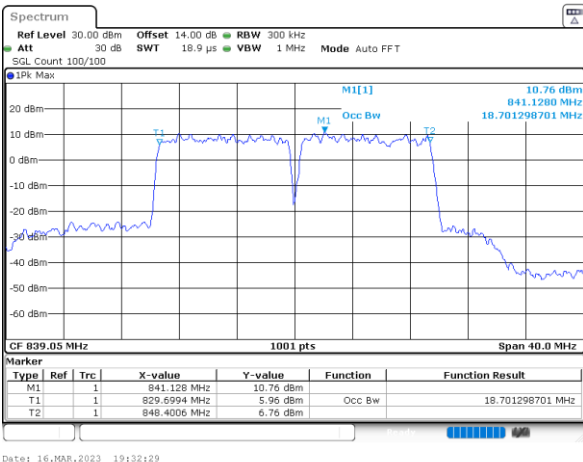
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Date: 16.MAR.2023 19:19:50

Highest Channel / 10MHz+10MHz

N/A



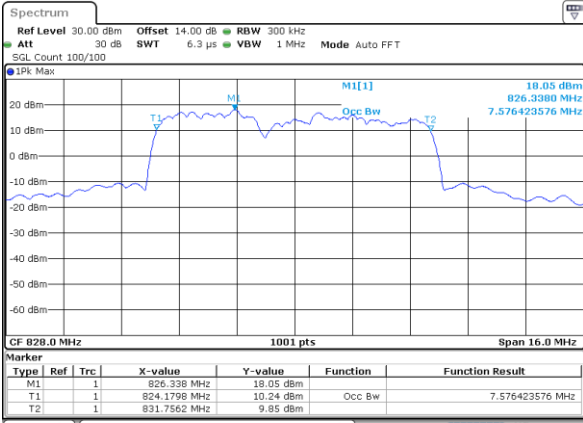
Date: 16.MAR.2023 19:32:29



LTE Band 5B

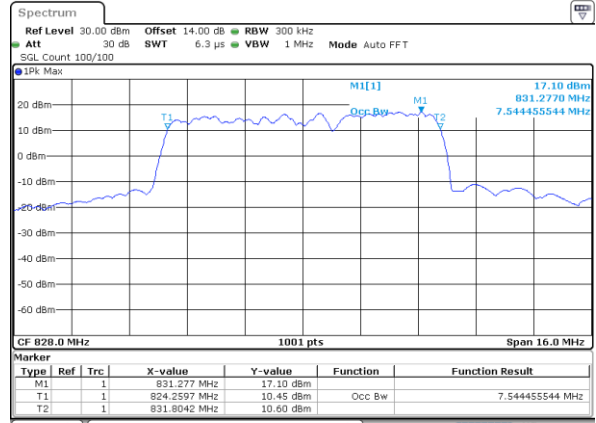
64QAM

Lowest Channel / 3MHz+5MHz



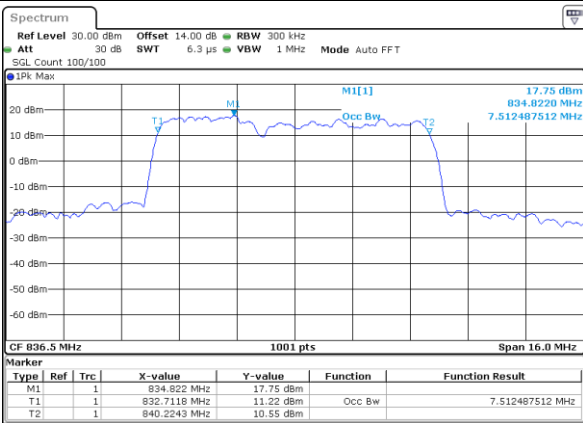
Date: 14.MAR.2023 21:45:12

Lowest Channel / 5MHz+3MHz



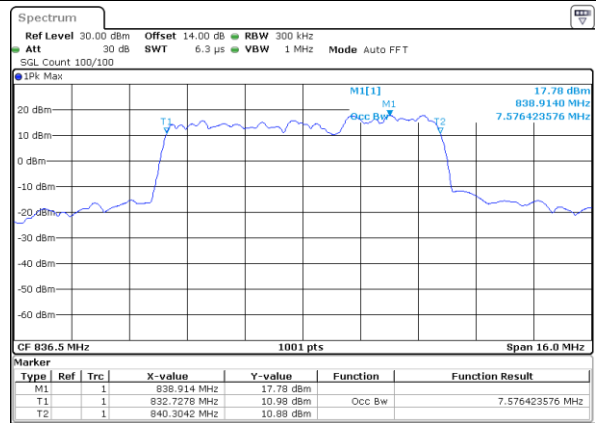
Date: 14.MAR.2023 23:13:51

Middle Channel / 3MHz+5MHz



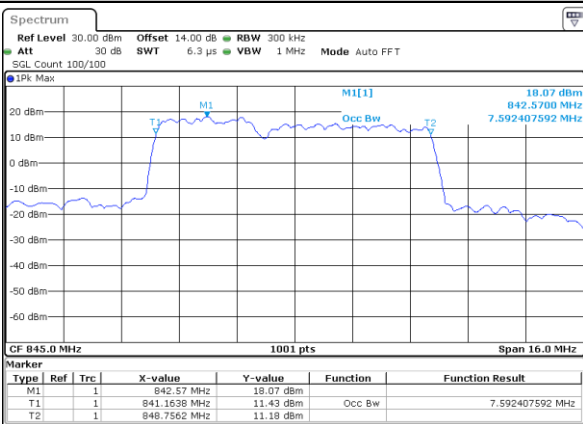
Date: 14.MAR.2023 22:18:56

Middle Channel / 5MHz+3MHz



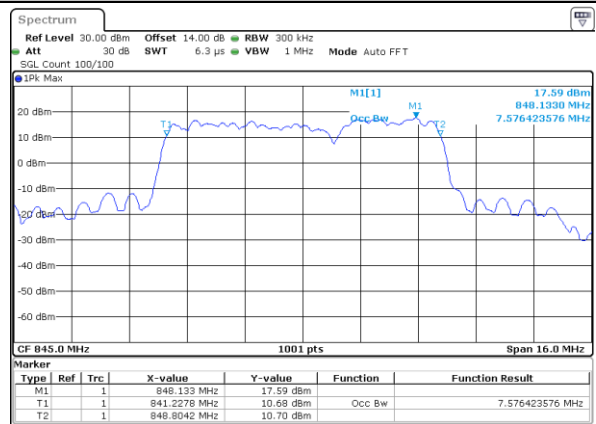
Date: 15.MAR.2023 00:16:21

Highest Channel / 3MHz+5MHz



Date: 14.MAR.2023 22:33:39

Highest Channel / 5MHz+3MHz



Date: 15.MAR.2023 00:51:25