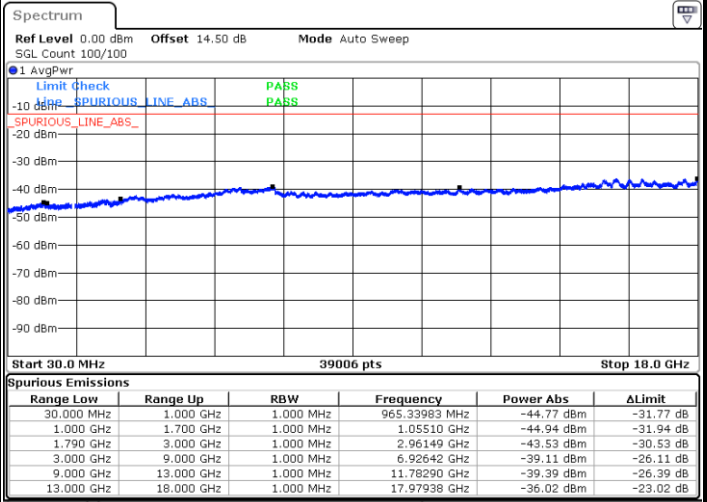
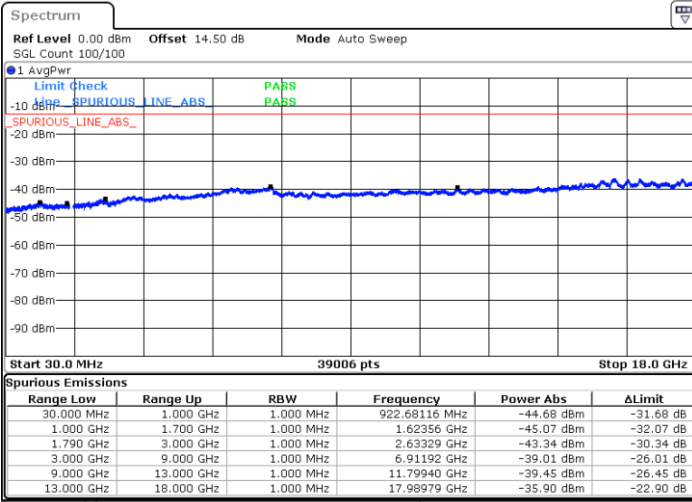




LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

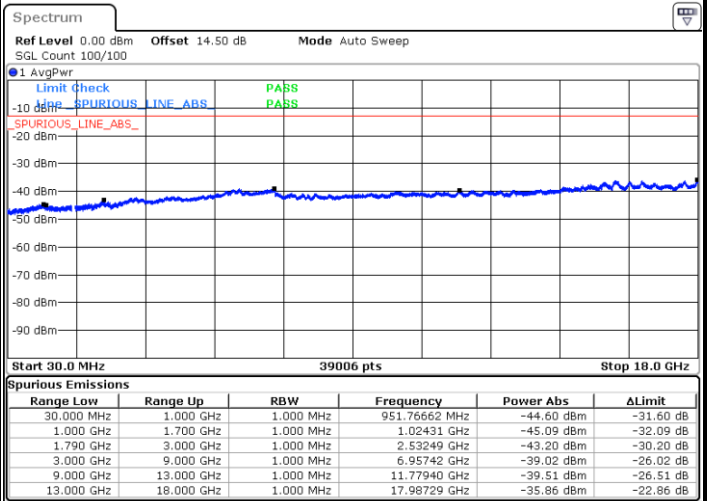
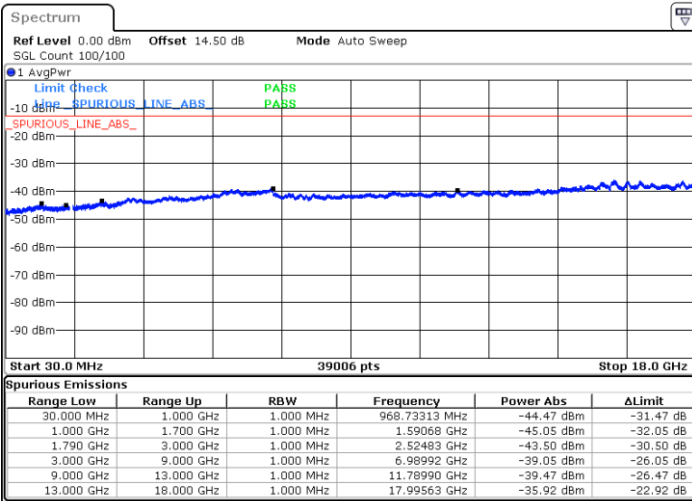


Date: 4.DEC.2022 12:02:44

Date: 4.DEC.2022 12:03:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.DEC.2022 12:12:34

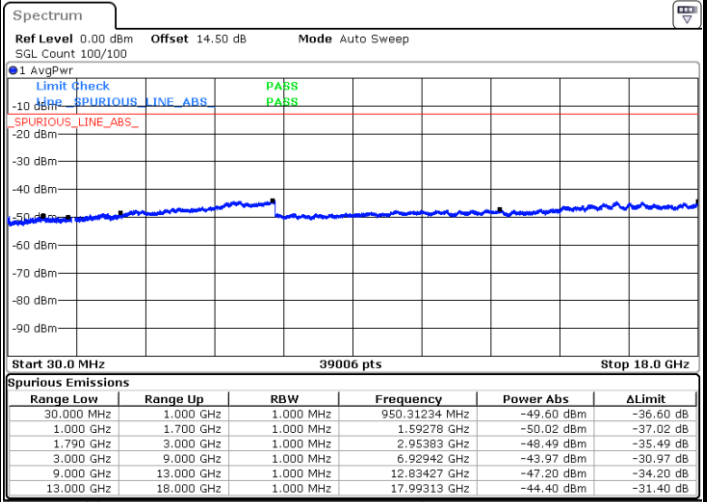
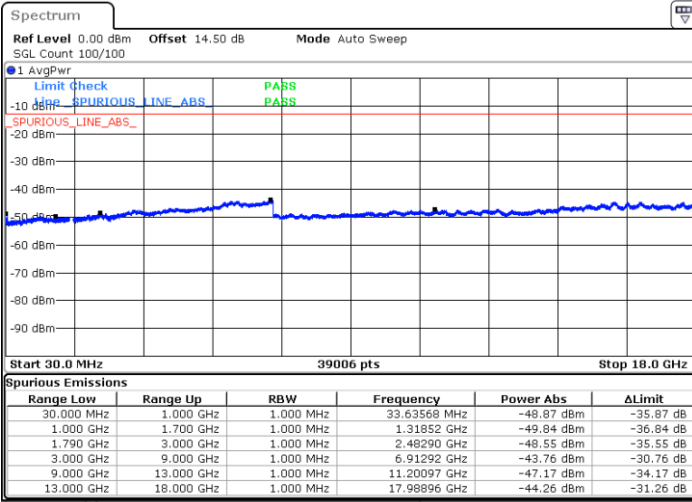
Date: 4.DEC.2022 12:13:32



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

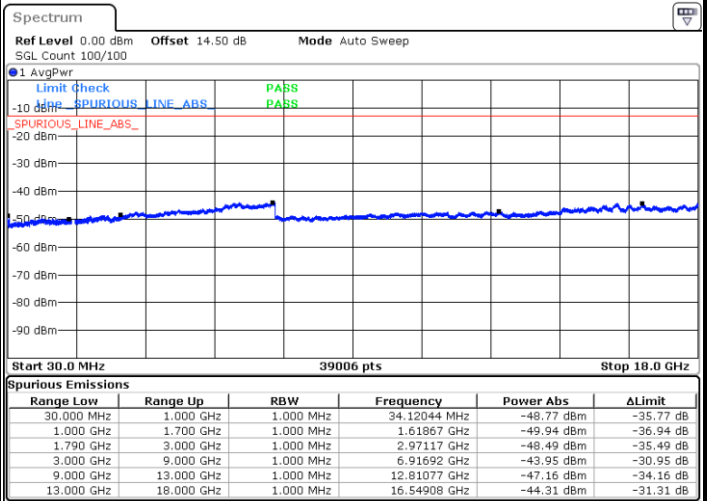
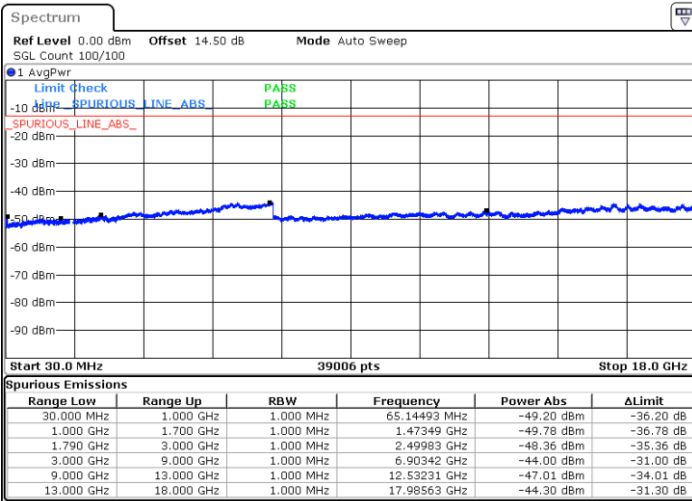


Date: 4.DEC.2022 12:44:39

Date: 4.DEC.2022 12:45:38

Middle Channel / QPSK

Middle Channel / 16QAM



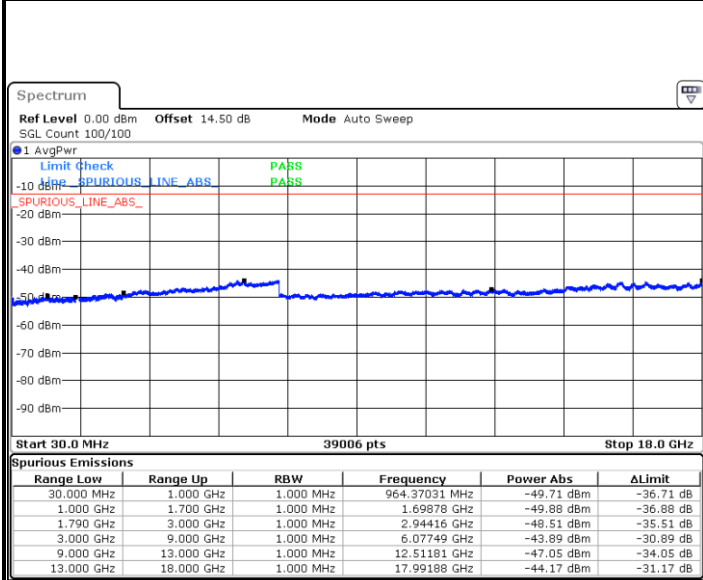
Date: 4.DEC.2022 12:48:17

Date: 4.DEC.2022 12:49:16



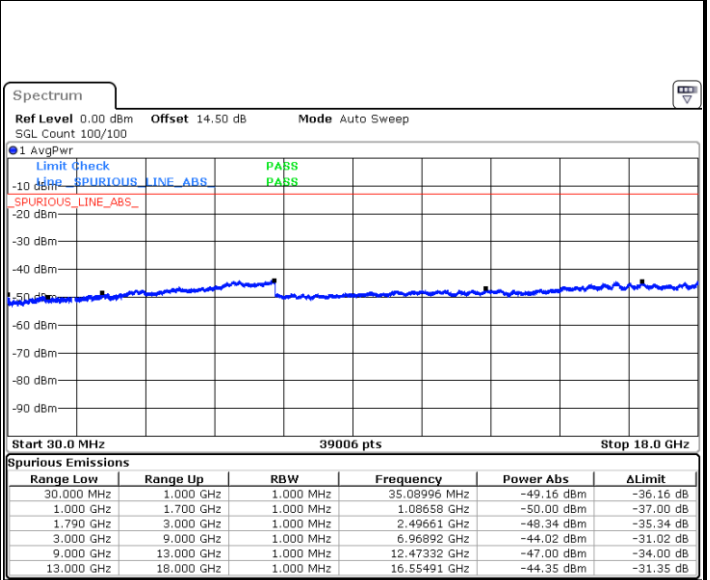
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 4.DEC.2022 12:58:07

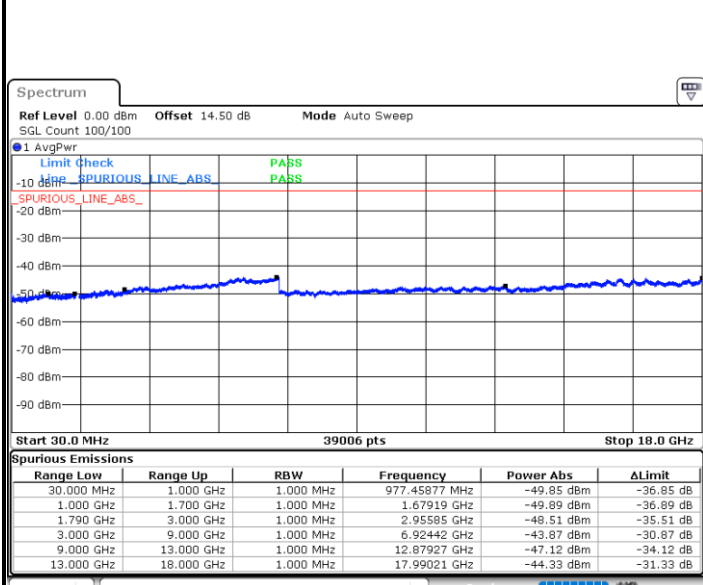
Highest Channel / 16QAM



Date: 4.DEC.2022 12:59:06

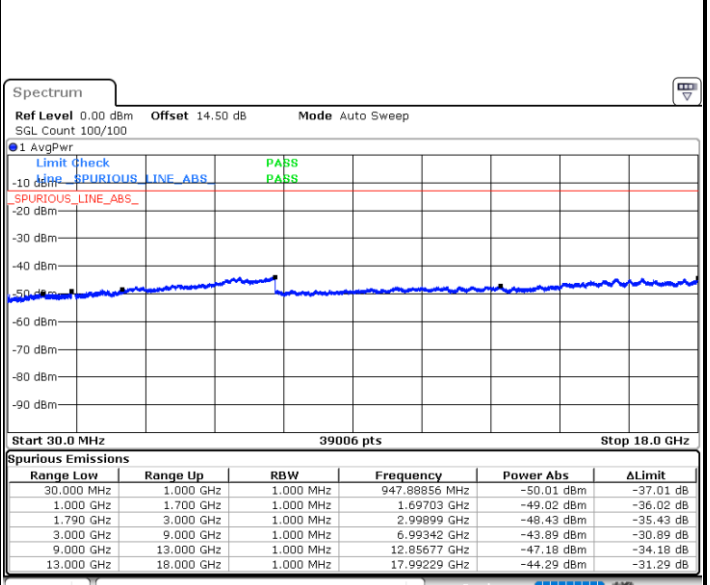
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 4.DEC.2022 13:07:58

Lowest Channel / 16QAM



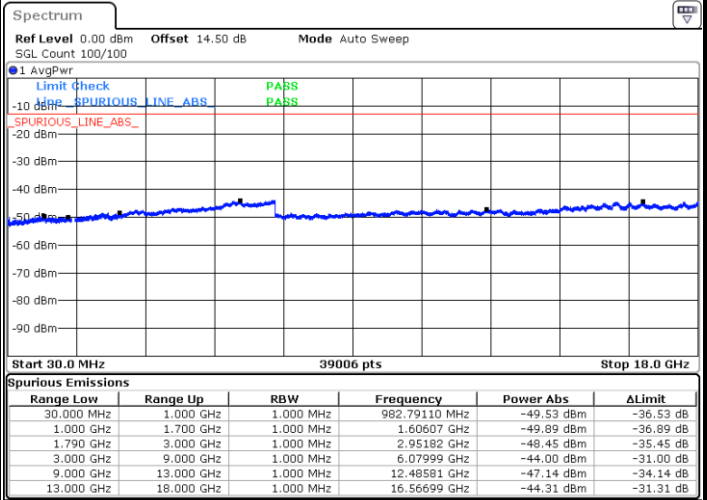
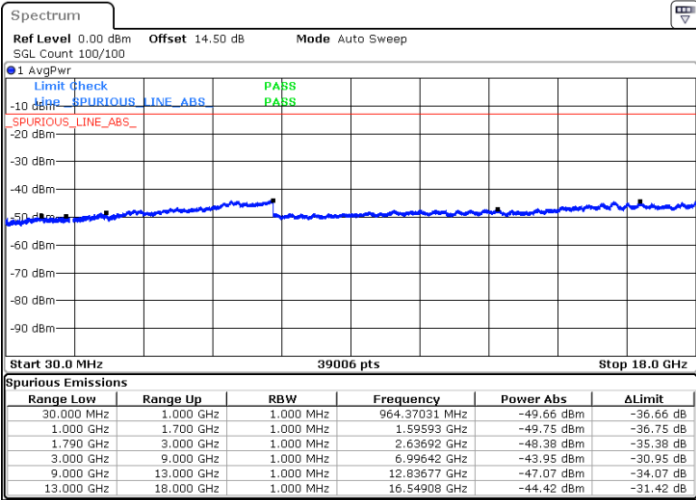
Date: 4.DEC.2022 13:08:56



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

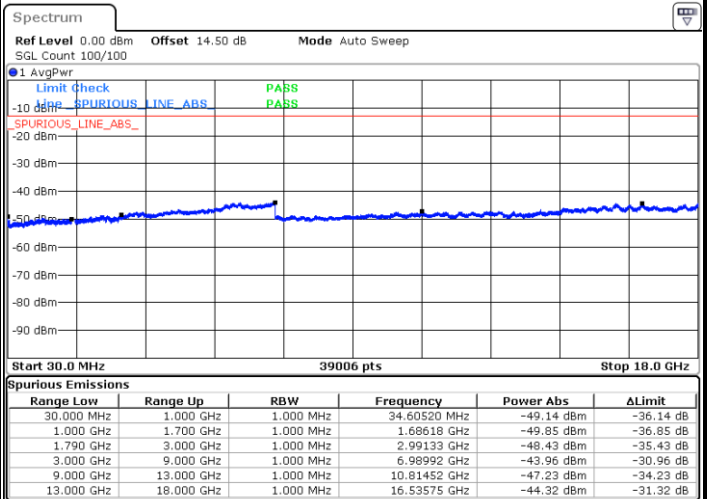
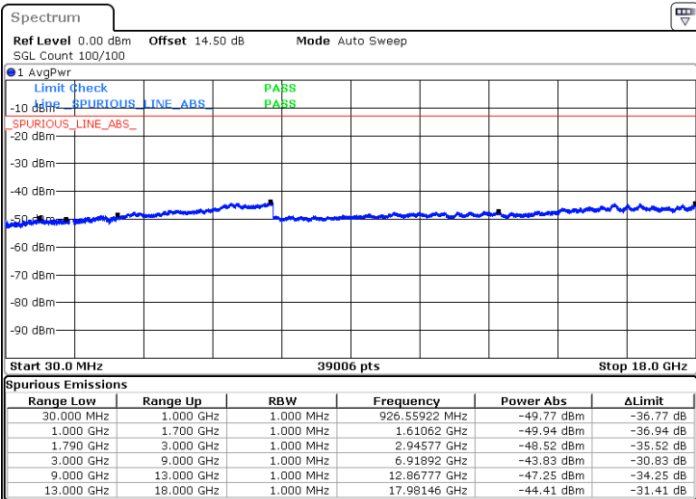


Date: 4.DEC.2022 13:11:35

Date: 4.DEC.2022 13:12:34

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.DEC.2022 13:21:24

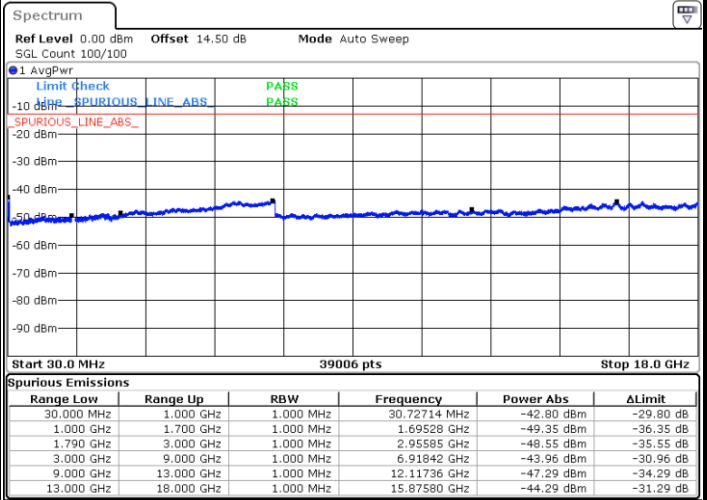
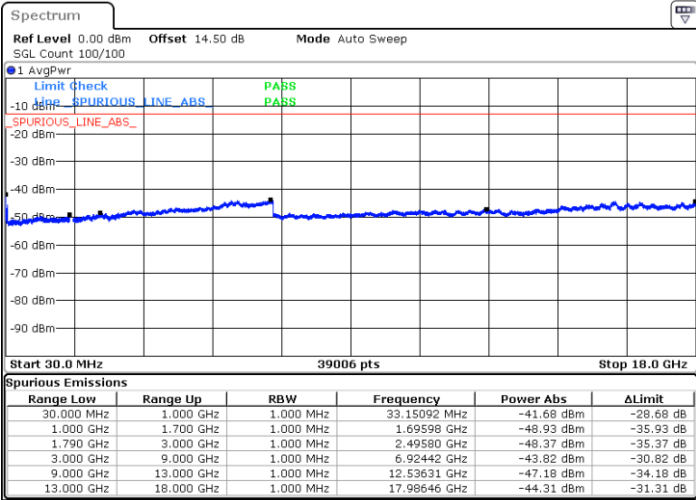
Date: 4.DEC.2022 13:22:23



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

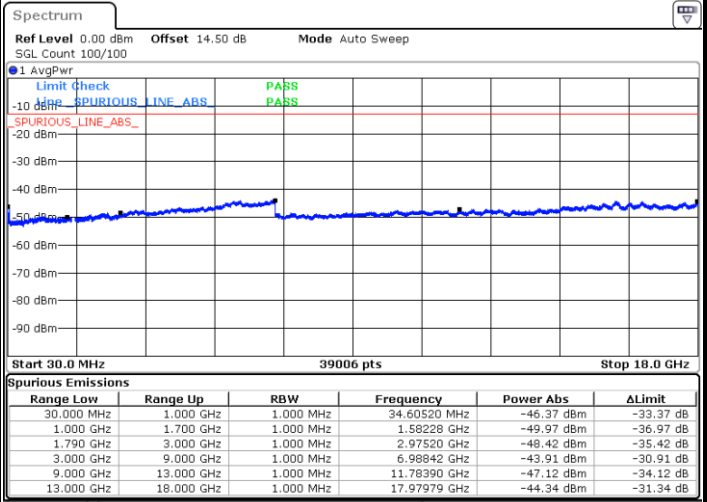
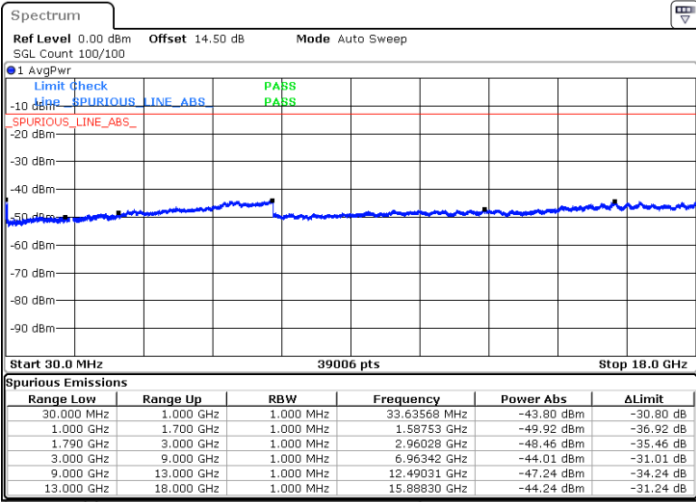


Date: 4.DEC.2022 13:53:37

Date: 4.DEC.2022 13:54:35

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 4.DEC.2022 13:57:15

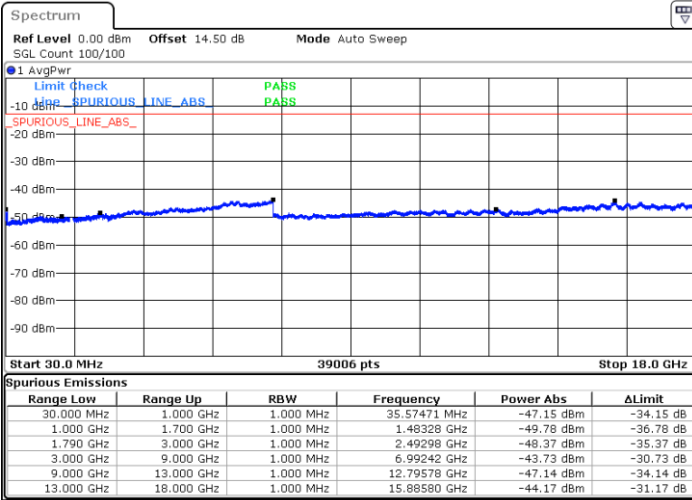
Date: 4.DEC.2022 13:58:14



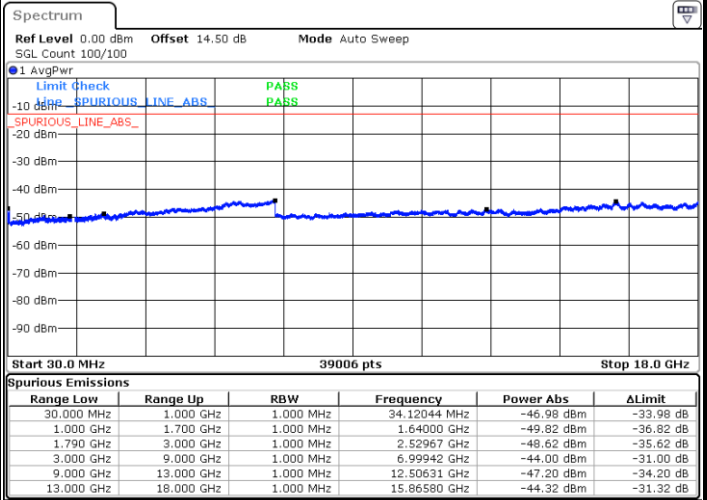
LTE Band 66 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.DEC.2022 14:07:05

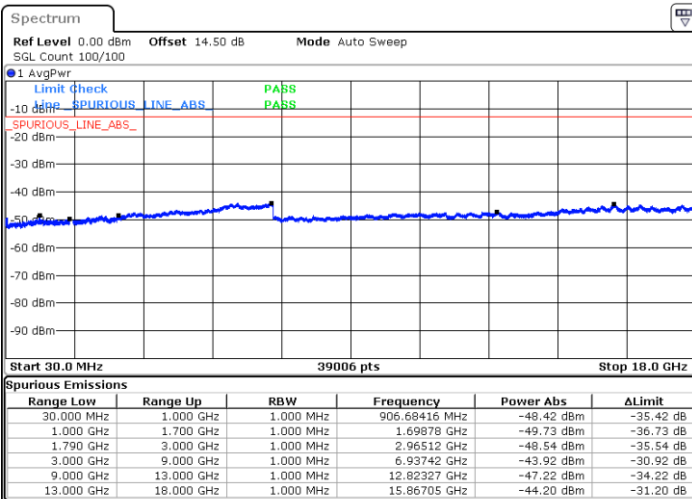


Date: 4.DEC.2022 14:08:04

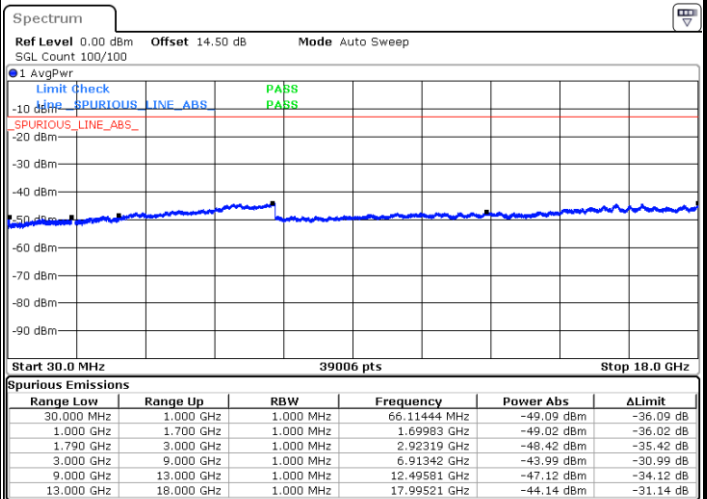
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 4.DEC.2022 14:16:57



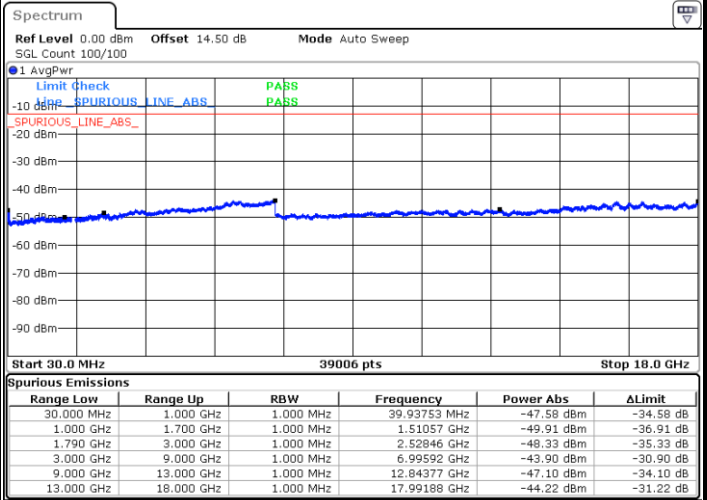
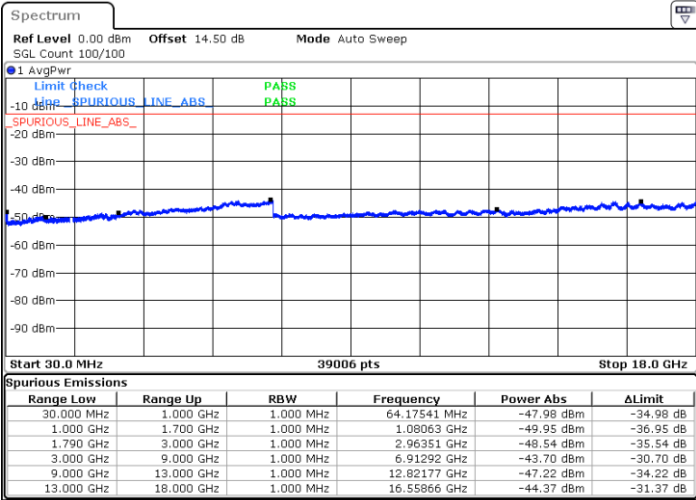
Date: 4.DEC.2022 14:17:55



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

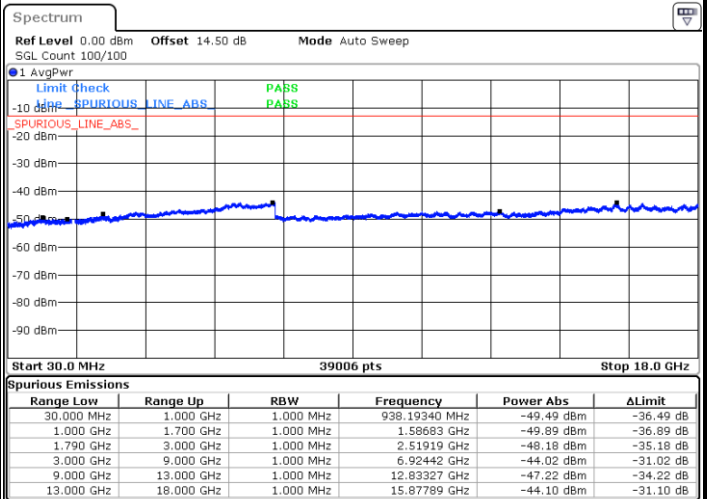
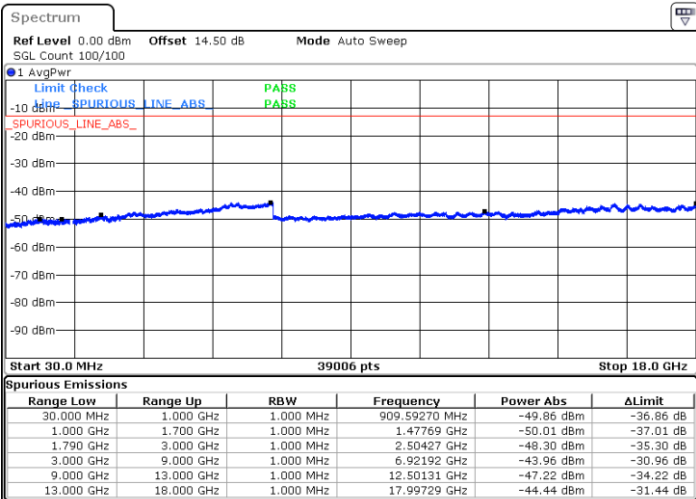


Date: 4.DEC.2022 14:20:36

Date: 4.DEC.2022 14:21:35

Highest Channel / QPSK

Highest Channel / 16QAM



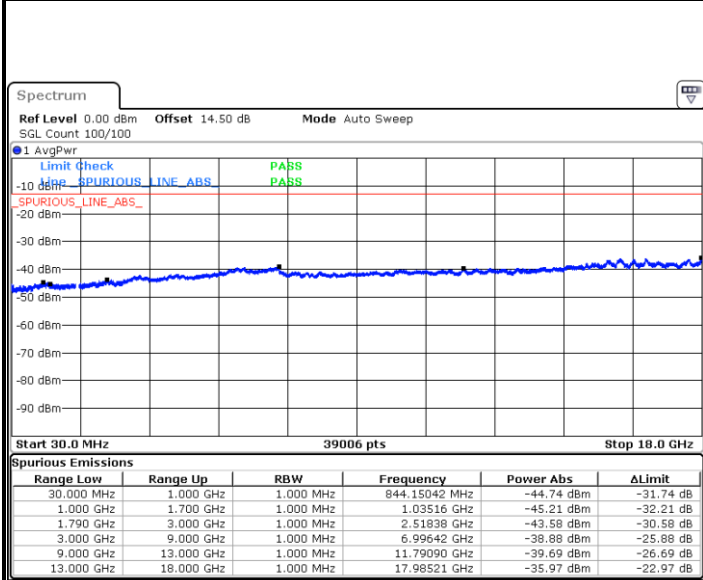
Date: 4.DEC.2022 15:03:48

Date: 4.DEC.2022 15:04:46



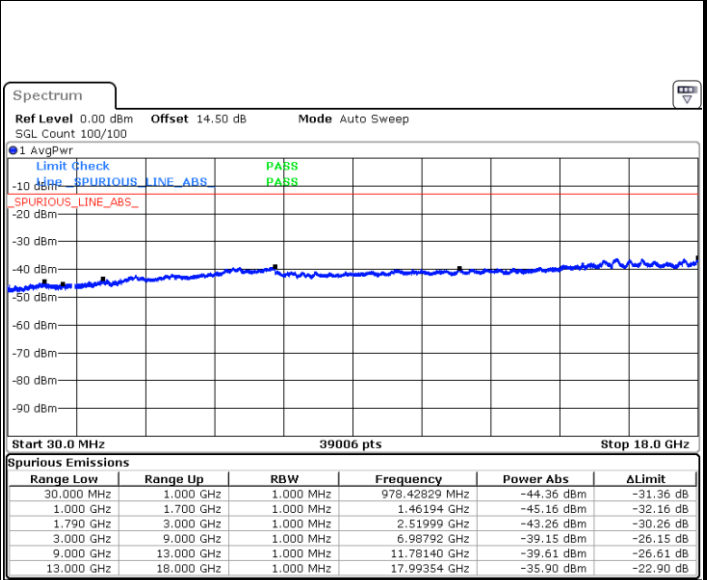
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



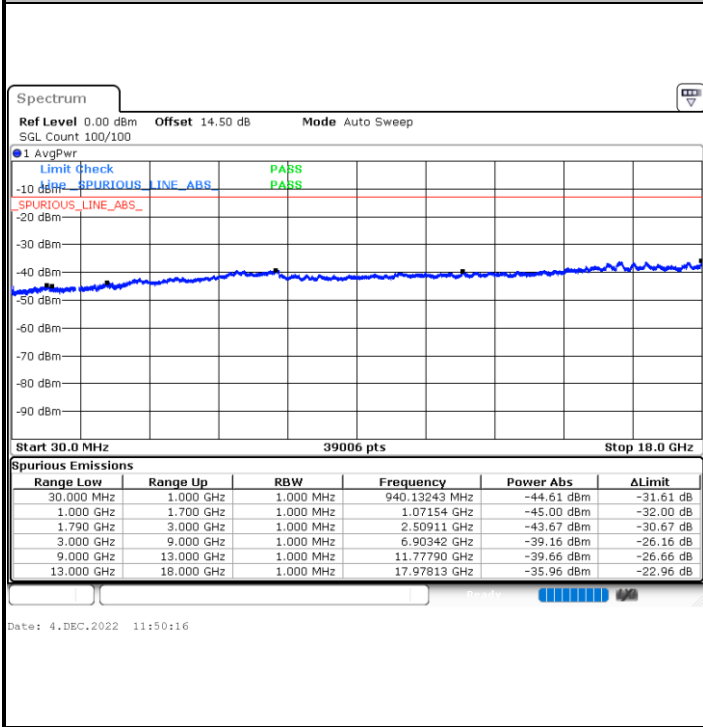
Date: 4.DEC.2022 11:43:53

Middle Channel / 64QAM



Date: 4.DEC.2022 11:45:31

Highest Channel / 64QAM



Date: 4.DEC.2022 11:50:16

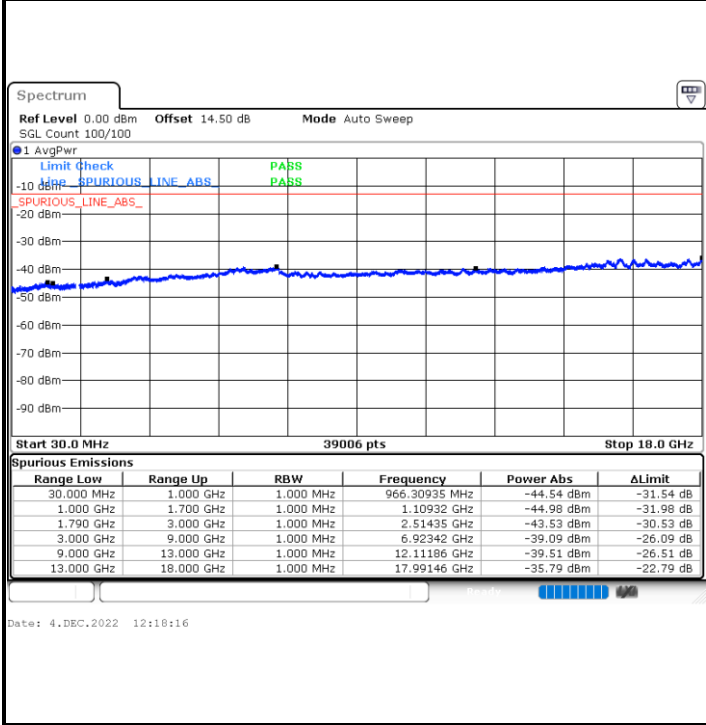
N/A

N/A

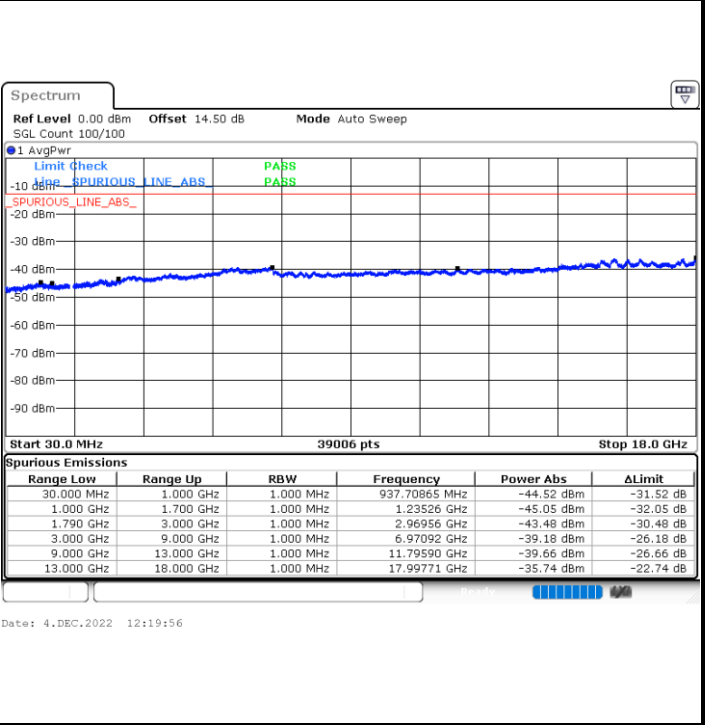


LTE Band 66 / 3MHz

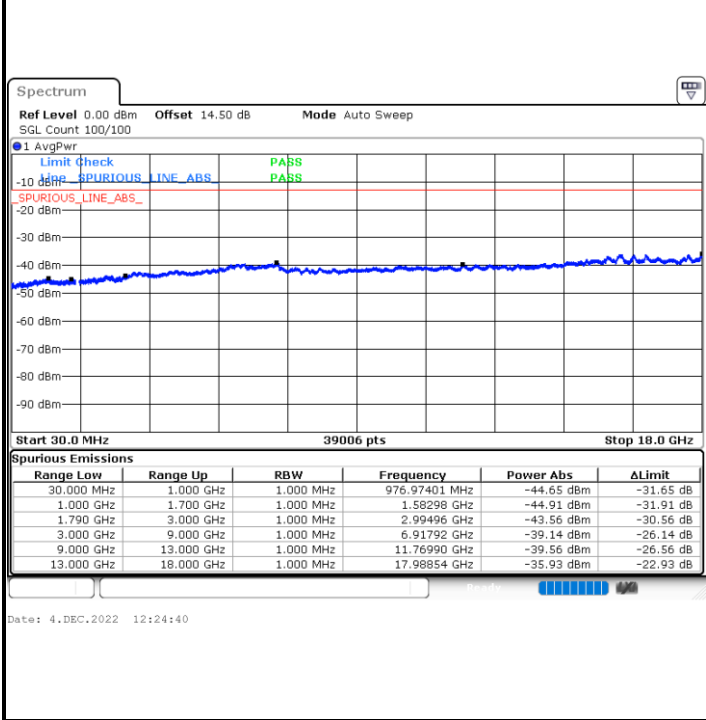
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



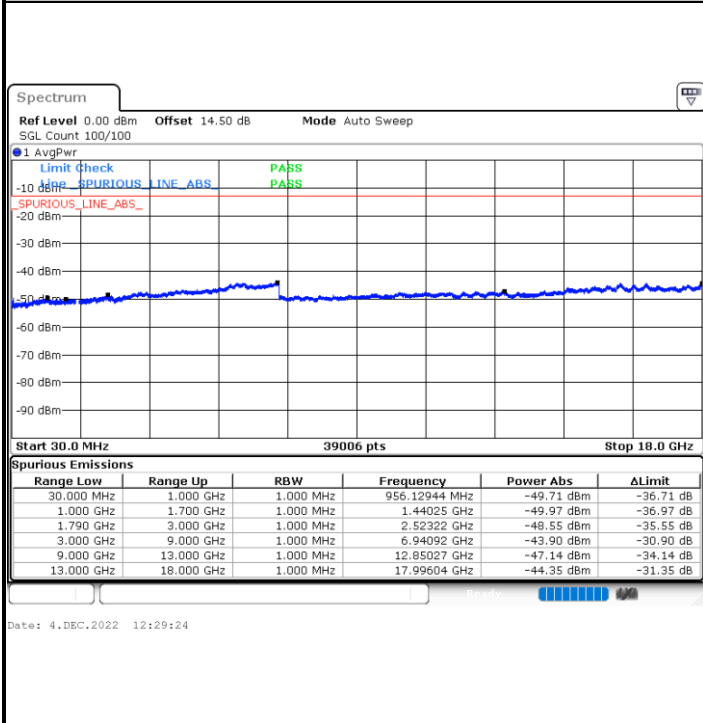
N/A

N/A



LTE Band 66 / 5MHz

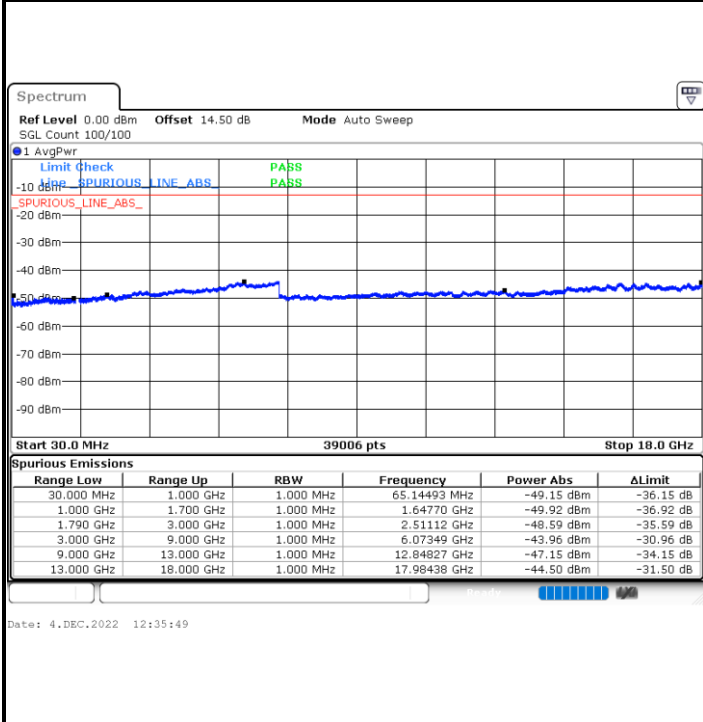
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



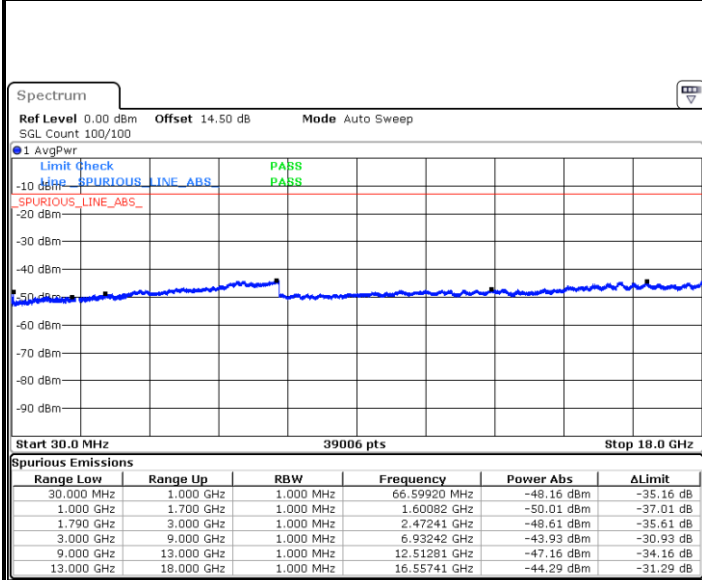
N/A

N/A



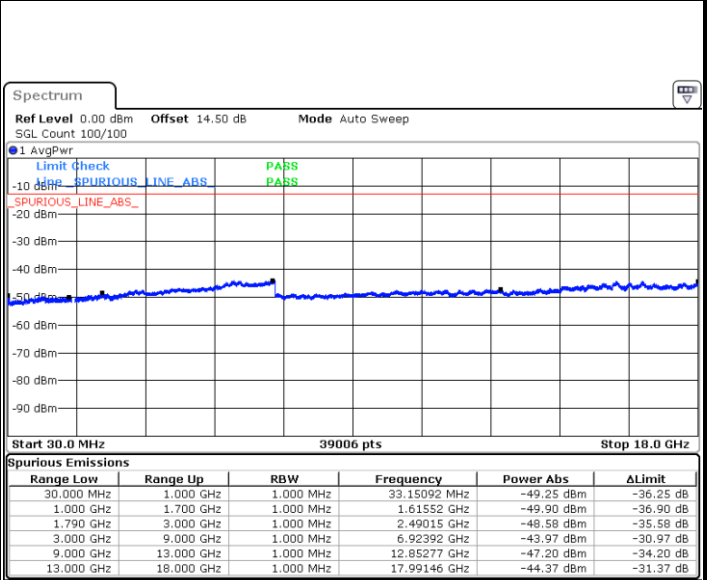
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



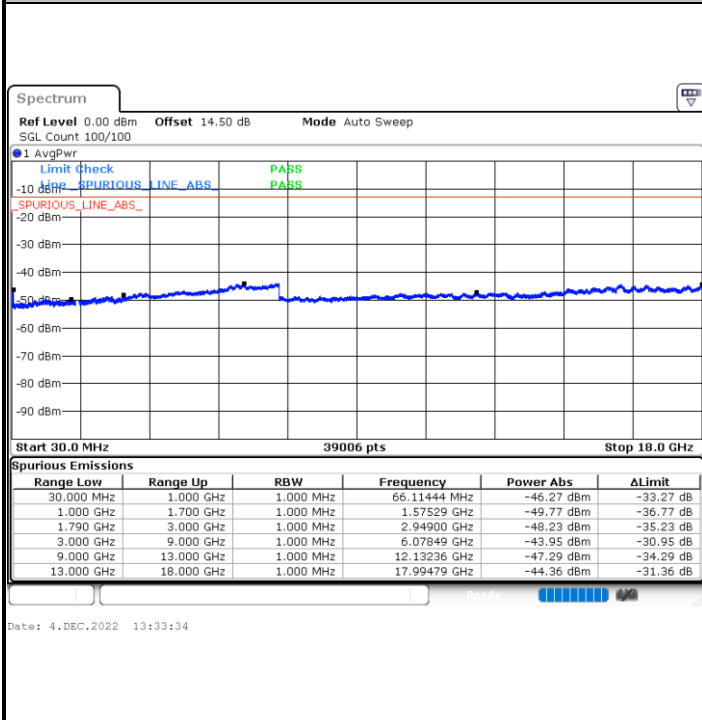
Date: 4.DEC.2022 13:27:09

Middle Channel / 64QAM



Date: 4.DEC.2022 13:28:49

Highest Channel / 64QAM



Date: 4.DEC.2022 13:33:34

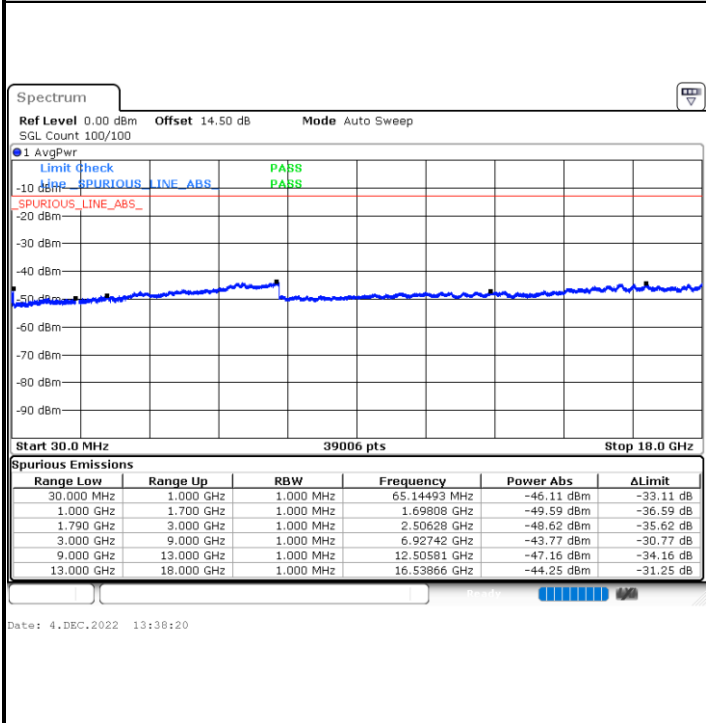
N/A

N/A

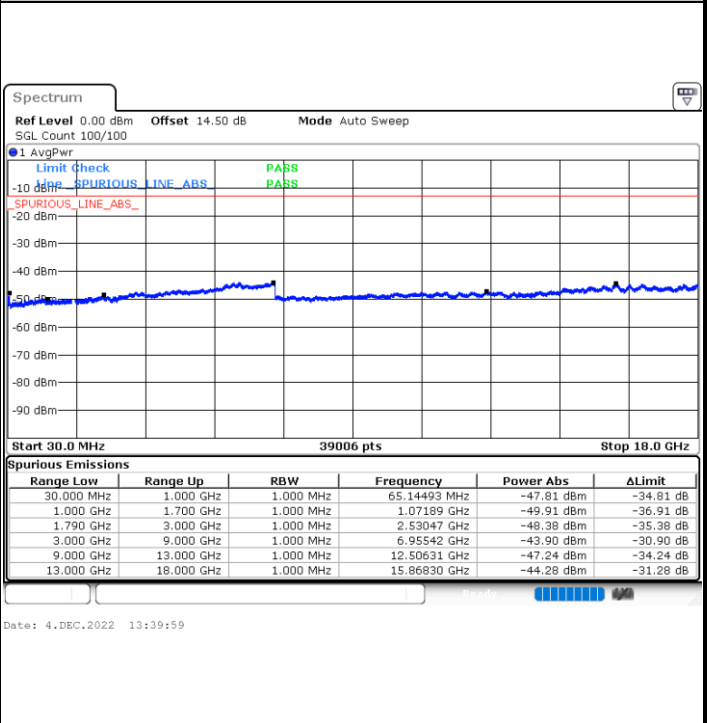


LTE Band 66 / 15MHz

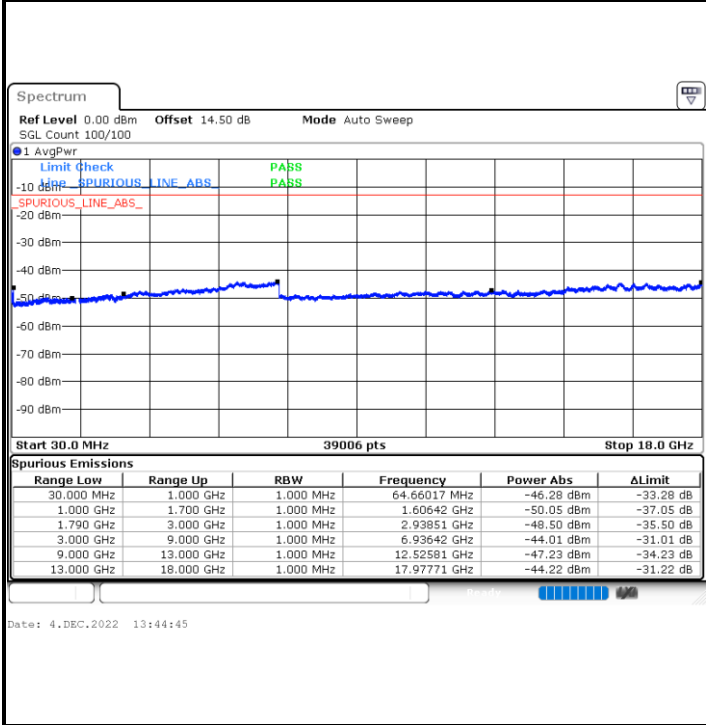
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



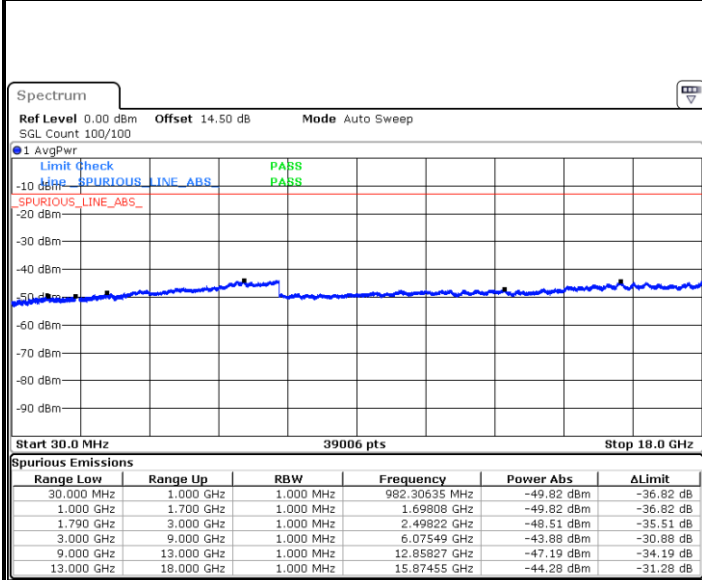
N/A

N/A



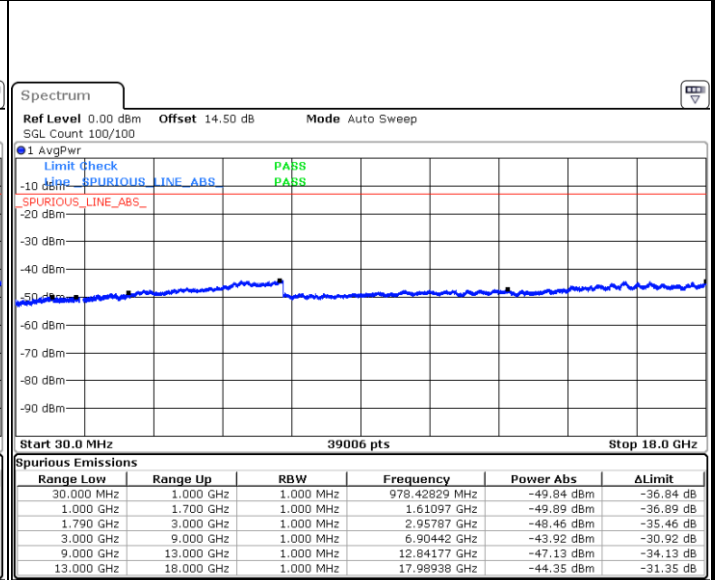
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



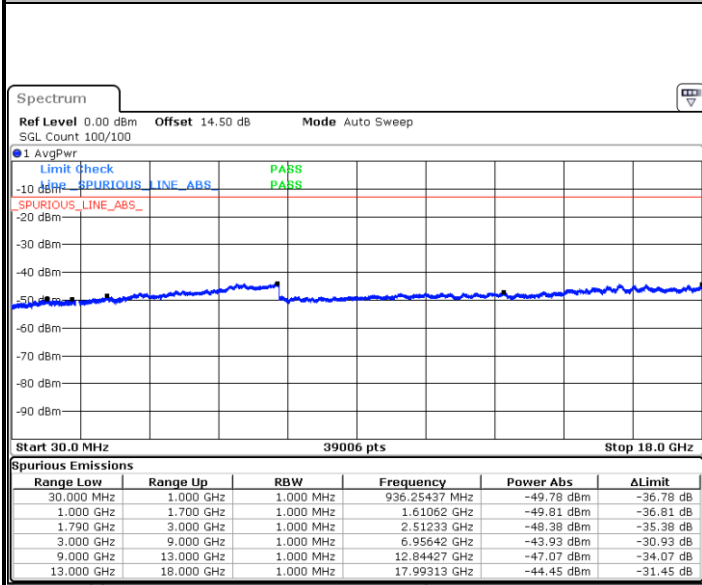
Date: 4.DEC.2022 15:09:31

Middle Channel / 64QAM



Date: 4.DEC.2022 15:11:09

Highest Channel / 64QAM



Date: 4.DEC.2022 15:15:55

N/A

N/A



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	0.0001	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.31	8.23	15.02
Middle CH	8.23	8.31	14.75
Highest CH	8.17	8.26	14.66
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.75	19.74	-
Middle CH	14.60	19.86	-
Highest CH	14.66	19.74	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.17	8.36	14.84
Middle CH	8.31	8.23	14.69
Highest CH	8.20	8.31	14.84
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	15.05	19.82	-
Middle CH	14.84	19.70	-
Highest CH	14.66	19.70	-

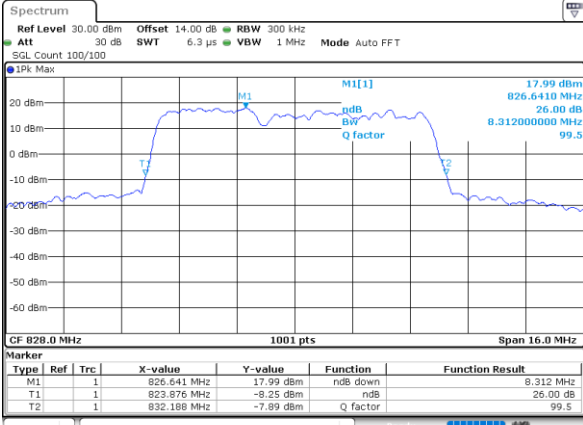
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.12	8.22	14.66
Middle CH	8.39	8.22	14.81
Highest CH	8.25	8.22	14.69
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.87	19.62	-
Middle CH	14.69	19.74	-
Highest CH	14.60	19.86	-



LTE Band 5B

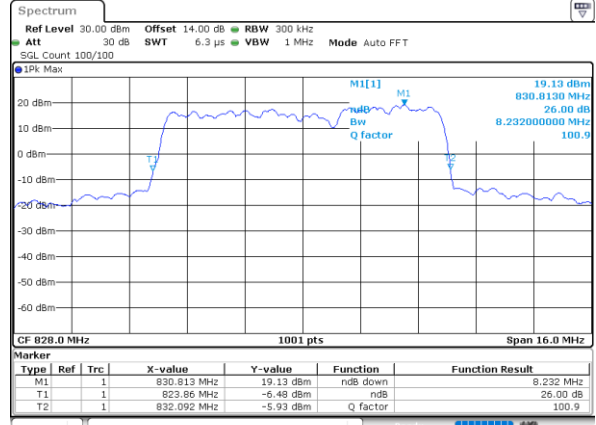
QPSK

Lowest Channel / 3MHz+5MHz



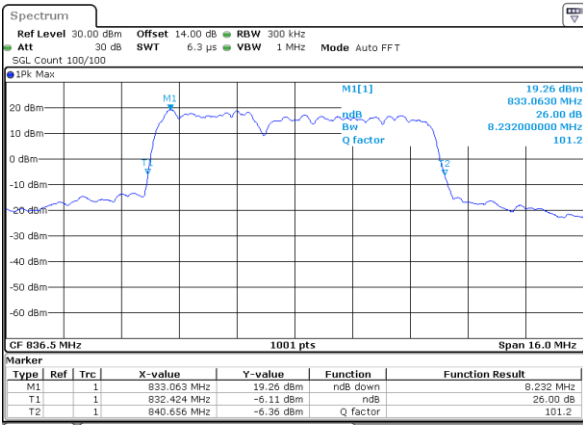
Date: 20, DEC, 2022 00:17:53

Lowest Channel / 5MHz+3MHz



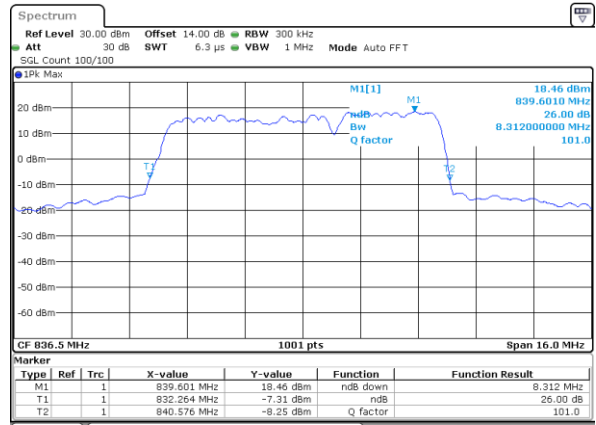
Date: 20, DEC, 2022 02:42:33

Middle Channel / 3MHz+5MHz



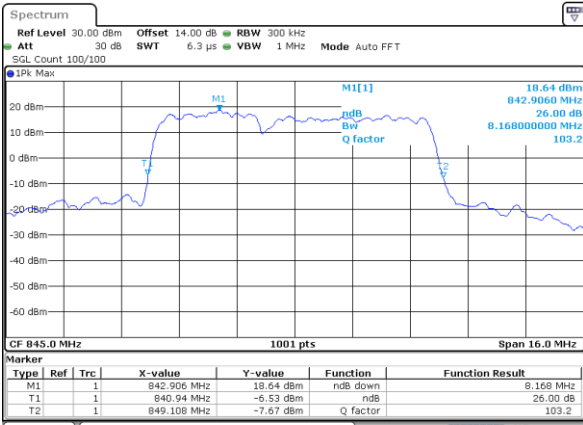
Date: 20, DEC, 2022 00:51:05

Middle Channel / 5MHz+3MHz



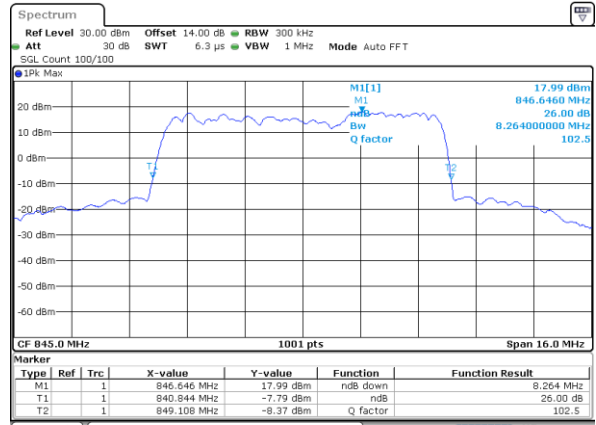
Date: 20, DEC, 2022 18:47:03

Highest Channel / 3MHz+5MHz



Date: 20, DEC, 2022 16:47:24

Highest Channel / 5MHz+3MHz



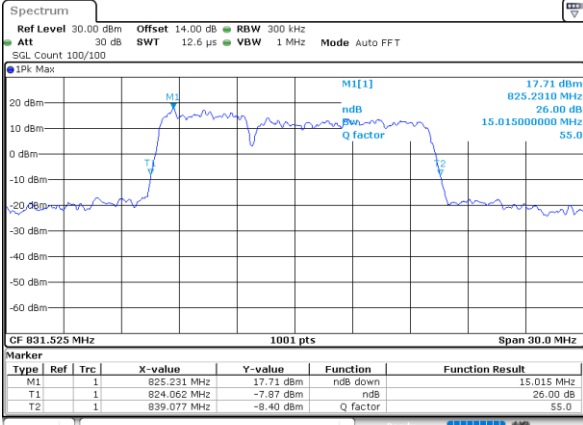
Date: 20, DEC, 2022 19:00:00



LTE Band 5B

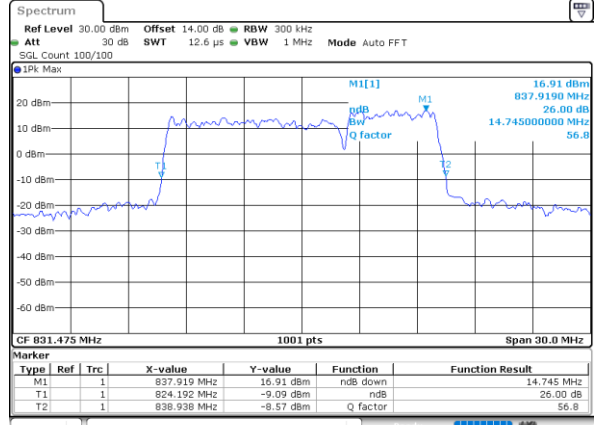
QPSK

Lowest Channel / 5MHz+10MHz



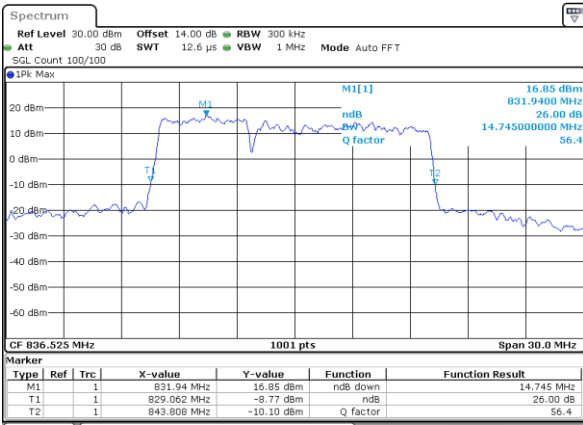
Date: 20, DEC, 2022 21:57:00

Lowest Channel / 10MHz+5MHz



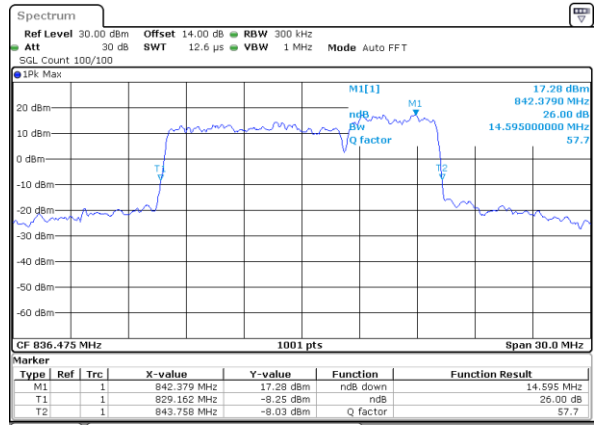
Date: 20, DEC, 2022 19:45:32

Middle Channel / 5MHz+10MHz



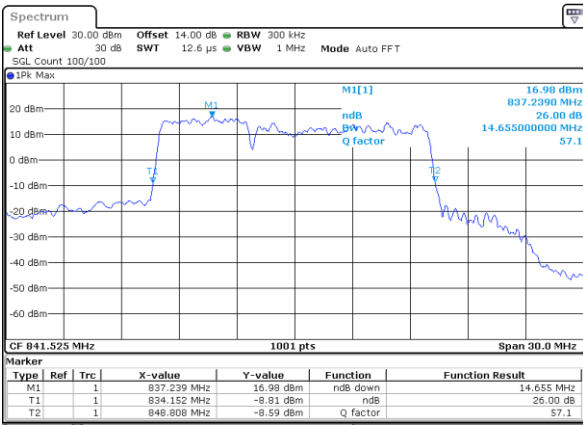
Date: 20, DEC, 2022 22:43:18

Middle Channel / 10MHz+5MHz



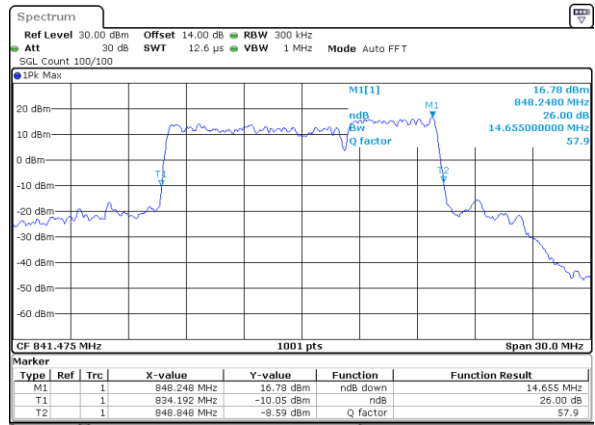
Date: 20, DEC, 2022 20:15:36

Highest Channel / 5MHz+10MHz



Date: 20, DEC, 2022 23:03:42

Highest Channel / 10MHz+5MHz



Date: 20, DEC, 2022 20:27:18

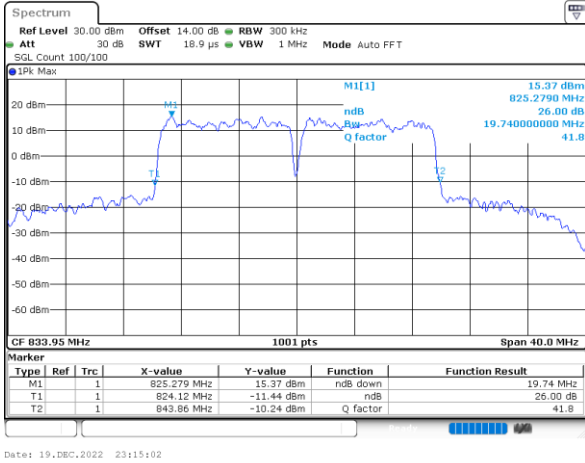


LTE Band 5B

QPSK

Lowest Channel / 10MHz+10MHz

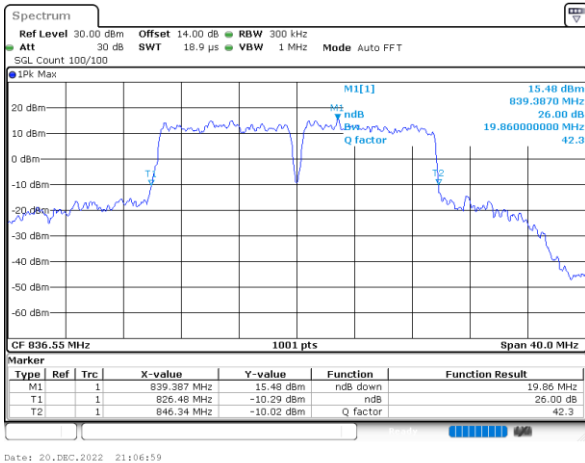
N/A



Date: 19, DEC, 2022 23:15:02

Middle Channel / 10MHz+10MHz

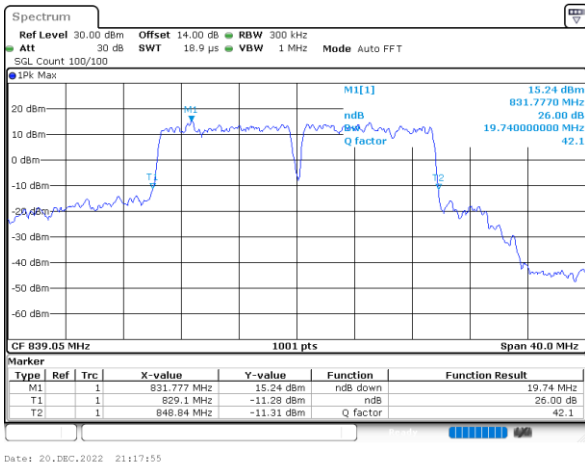
N/A



Date: 20, DEC, 2022 21:06:59

Highest Channel / 10MHz+10MHz

N/A



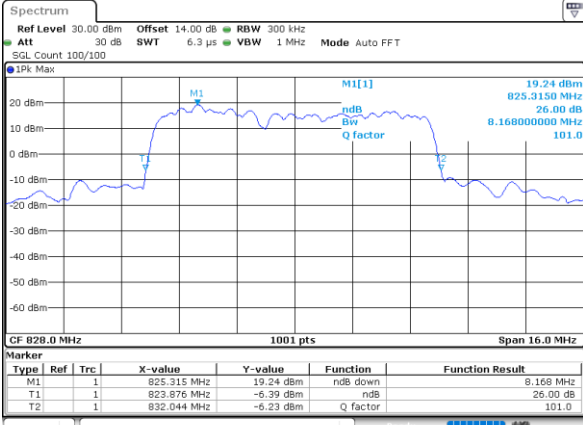
Date: 20, DEC, 2022 21:17:55



LTE Band 5B

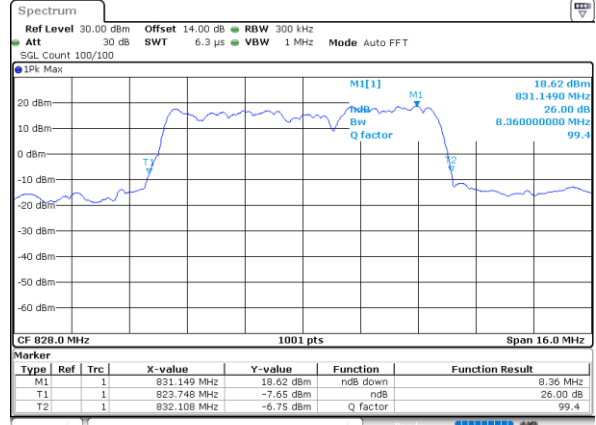
16QAM

Lowest Channel / 3MHz+5MHz



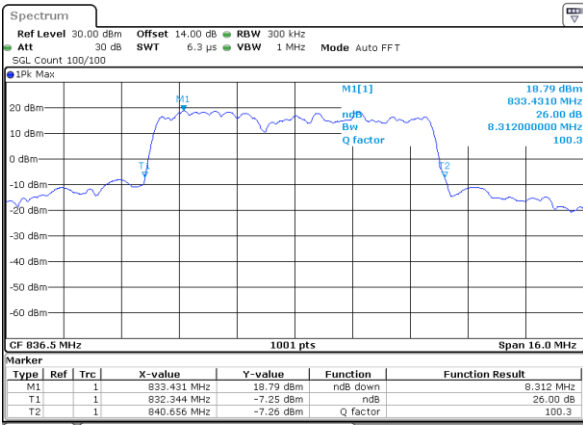
Date: 20, DEC, 2022 00:17:23

Lowest Channel / 5MHz+3MHz



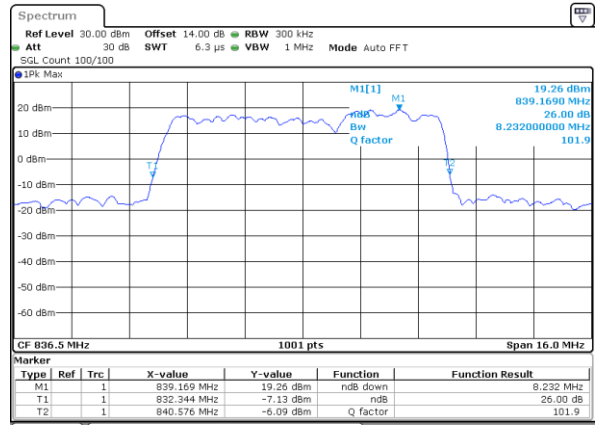
Date: 20, DEC, 2022 02:42:05

Middle Channel / 3MHz+5MHz



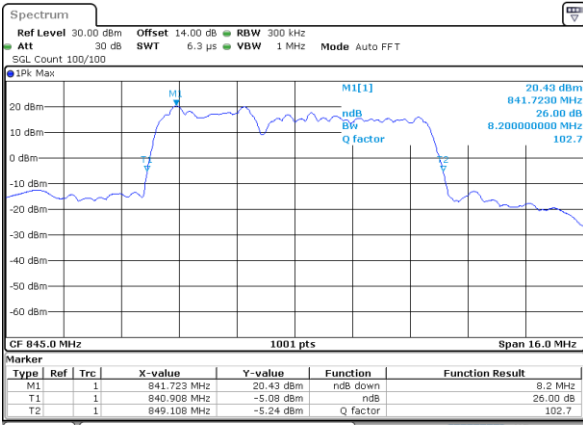
Date: 20, DEC, 2022 00:50:35

Middle Channel / 5MHz+3MHz



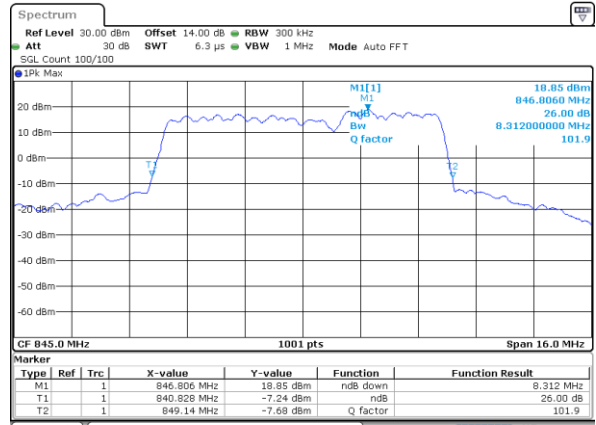
Date: 20, DEC, 2022 18:46:32

Highest Channel / 3MHz+5MHz



Date: 20, DEC, 2022 16:47:54

Highest Channel / 5MHz+3MHz



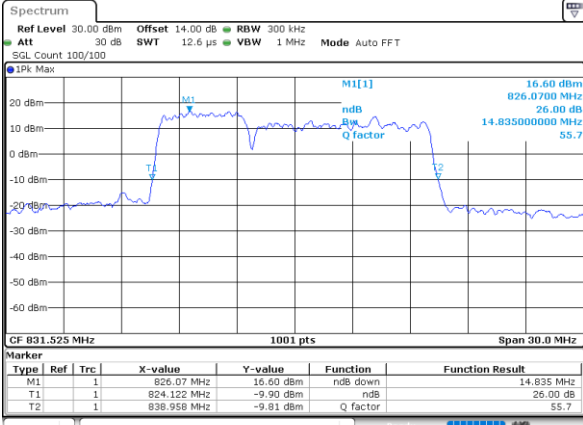
Date: 20, DEC, 2022 19:00:30



LTE Band 5B

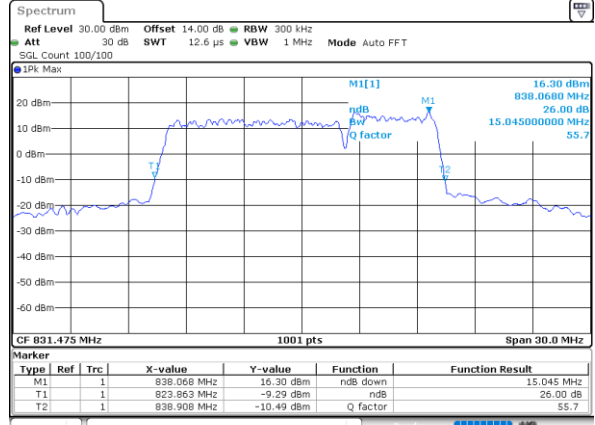
16QAM

Lowest Channel / 5MHz+10MHz



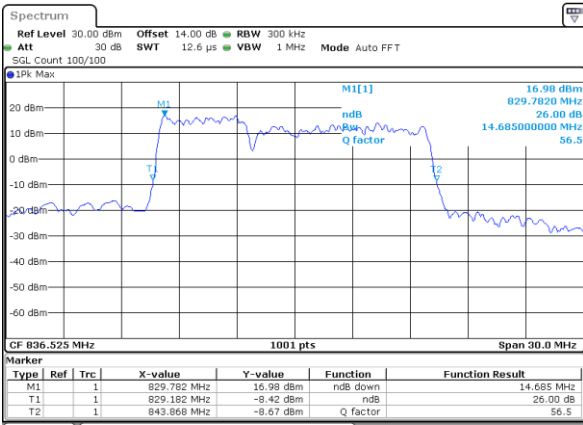
Date: 20, DEC, 2022 21:56:30

Lowest Channel / 10MHz+5MHz



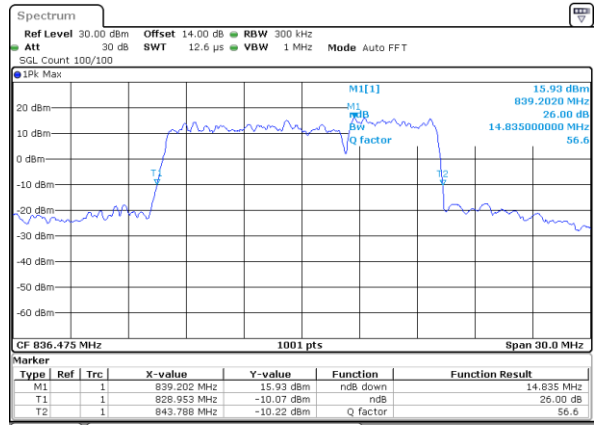
Date: 20, DEC, 2022 19:45:02

Middle Channel / 5MHz+10MHz



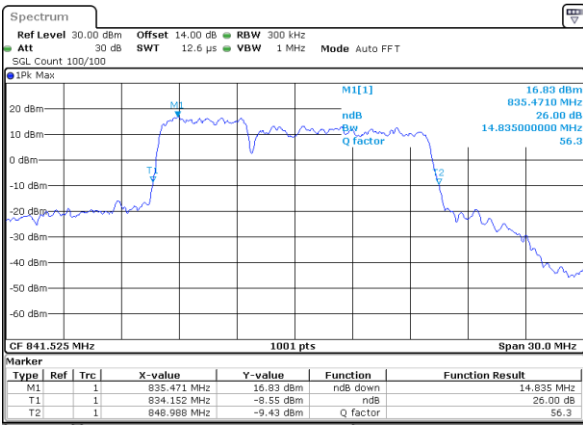
Date: 20, DEC, 2022 22:42:47

Middle Channel / 10MHz+5MHz



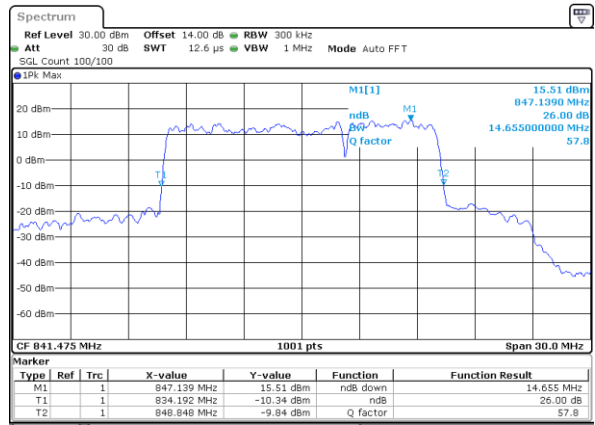
Date: 20, DEC, 2022 20:15:05

Highest Channel / 5MHz+10MHz



Date: 20, DEC, 2022 23:04:13

Highest Channel / 10MHz+5MHz



Date: 20, DEC, 2022 20:27:49

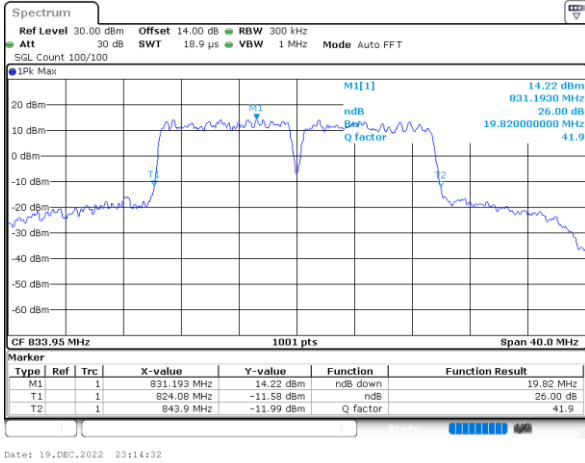


LTE Band 5B

16QAM

Lowest Channel / 10MHz+10MHz

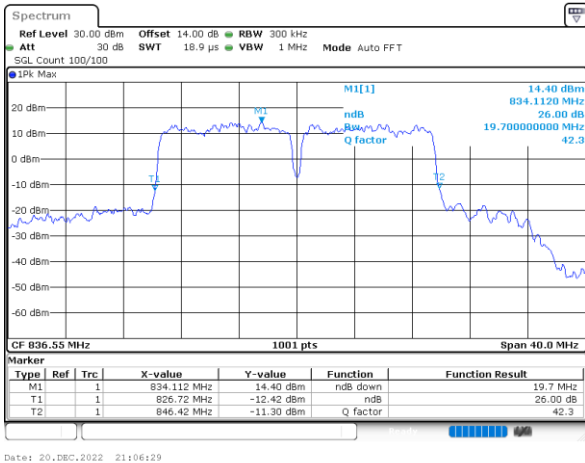
N/A



Date: 19, DEC, 2022 23:14:32

Middle Channel / 10MHz+10MHz

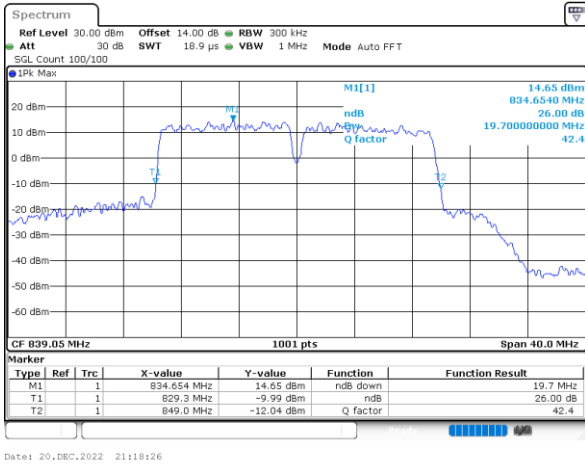
N/A



Date: 20, DEC, 2022 21:06:29

Highest Channel / 10MHz+10MHz

N/A



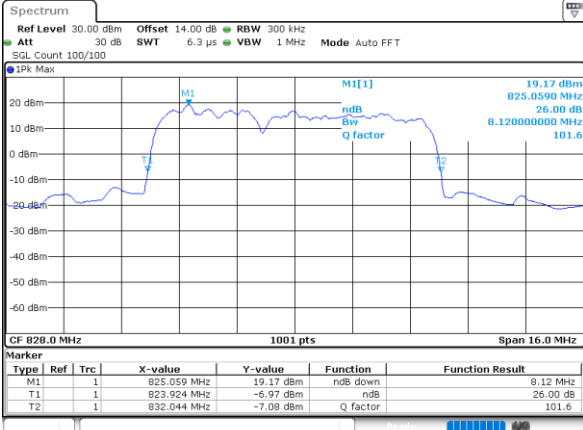
Date: 20, DEC, 2022 21:18:26



LTE Band 5B

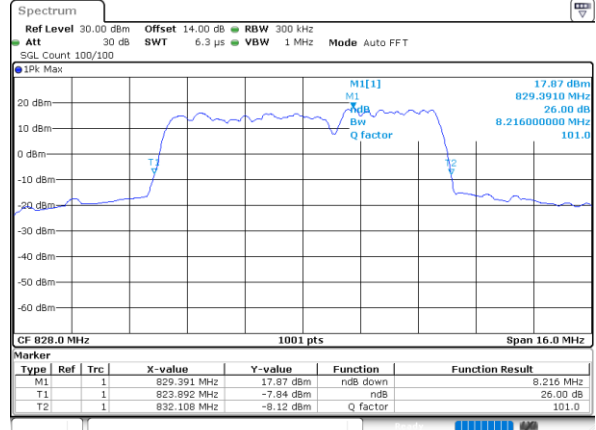
64QAM

Lowest Channel / 3MHz+5MHz



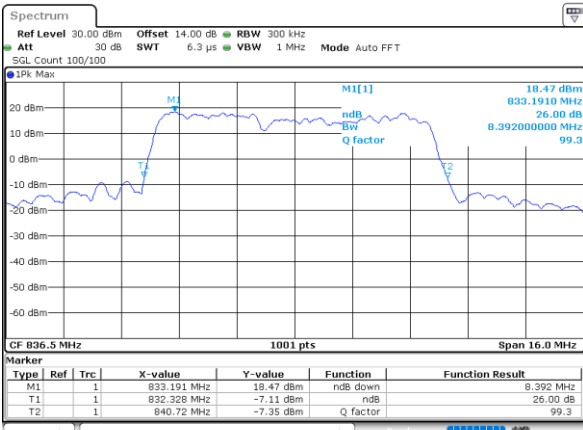
Date: 20, DEC, 2022 00:16:53

Lowest Channel / 5MHz+3MHz



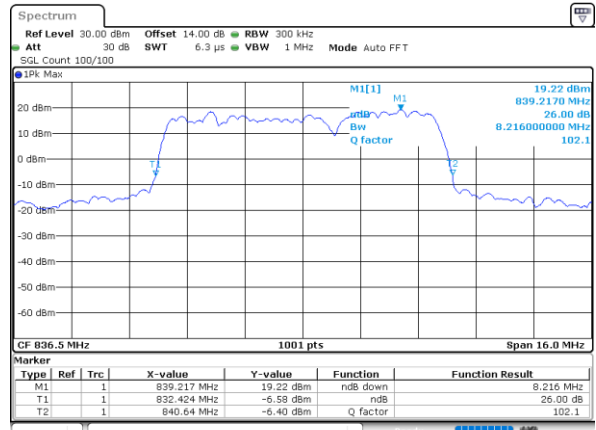
Date: 20, DEC, 2022 02:41:37

Middle Channel / 3MHz+5MHz



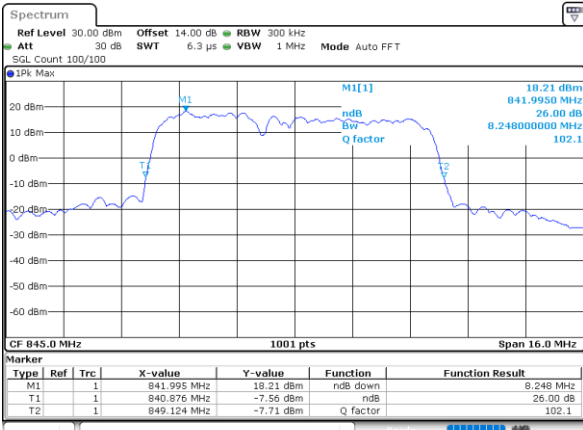
Date: 20, DEC, 2022 00:50:04

Middle Channel / 5MHz+3MHz



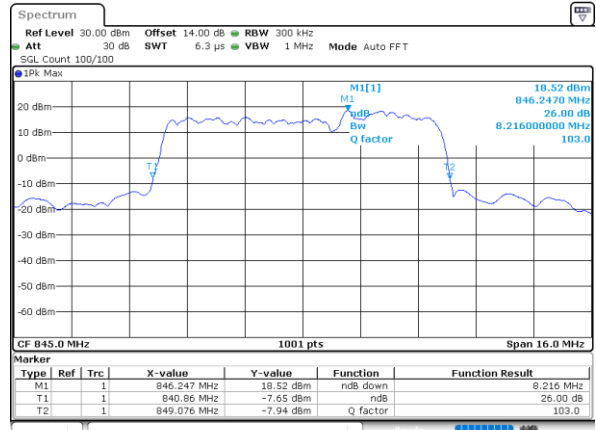
Date: 20, DEC, 2022 18:46:02

Highest Channel / 3MHz+5MHz



Date: 20, DEC, 2022 16:48:24

Highest Channel / 5MHz+3MHz



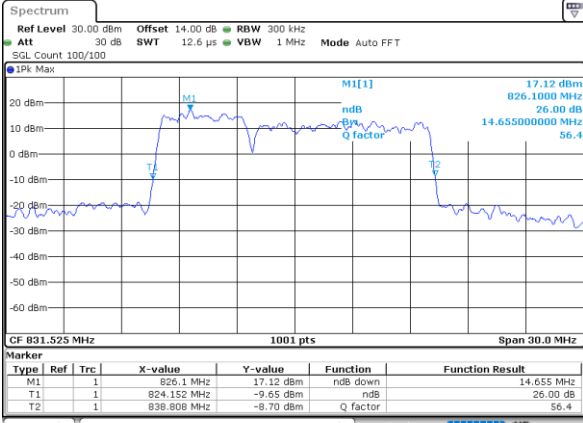
Date: 20, DEC, 2022 19:01:00



LTE Band 5B

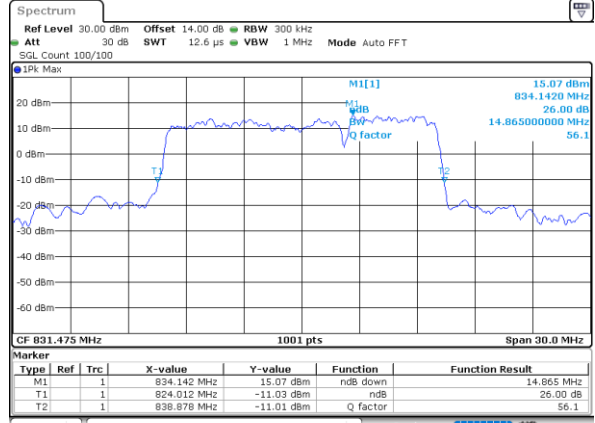
64QAM

Lowest Channel / 5MHz+10MHz



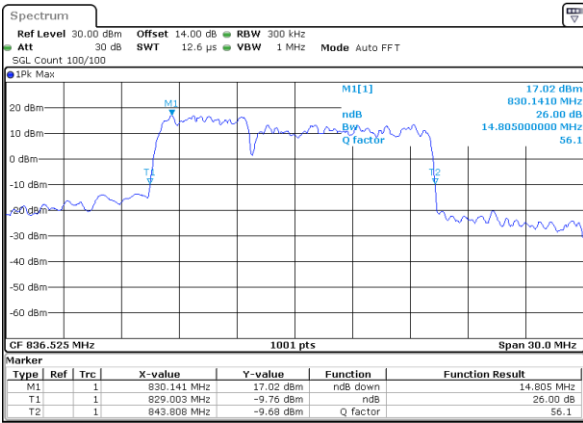
Date: 20, DEC, 2022 21:56:00

Lowest Channel / 10MHz+5MHz



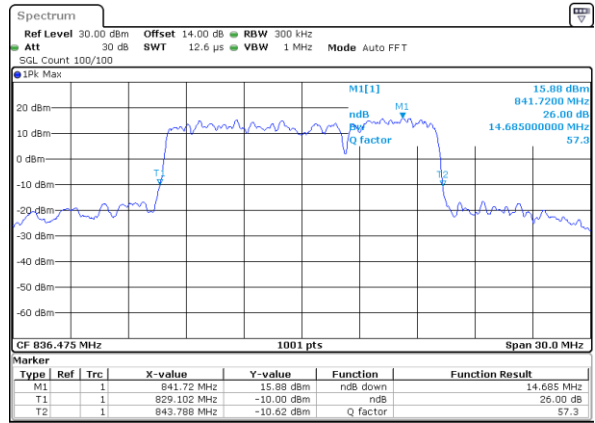
Date: 20, DEC, 2022 19:44:32

Middle Channel / 5MHz+10MHz



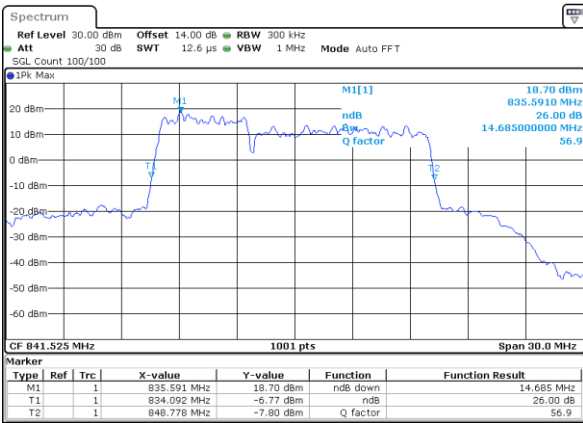
Date: 20, DEC, 2022 22:42:17

Middle Channel / 10MHz+5MHz



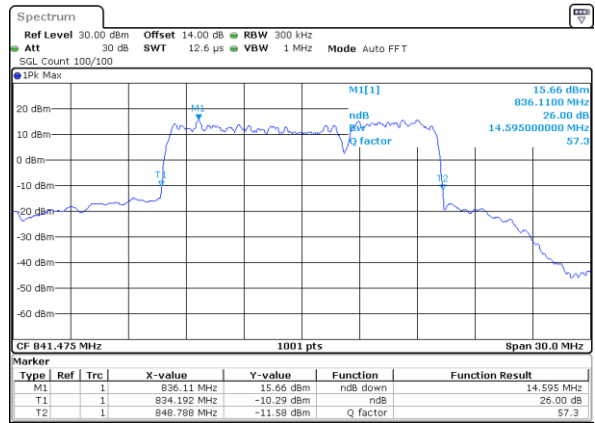
Date: 20, DEC, 2022 20:14:34

Highest Channel / 5MHz+10MHz



Date: 20, DEC, 2022 23:04:43

Highest Channel / 10MHz+5MHz



Date: 20, DEC, 2022 20:28:19

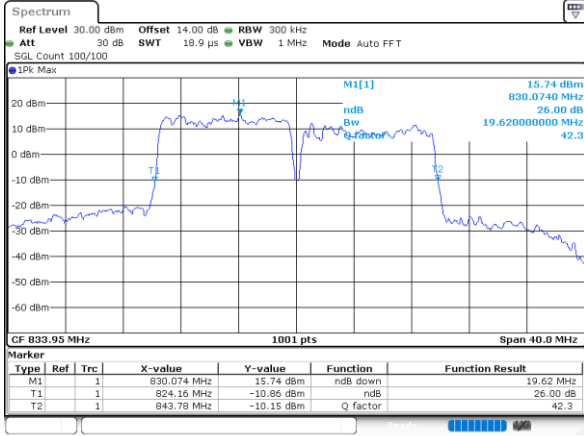


LTE Band 5B

64QAM

Lowest Channel / 10MHz+10MHz

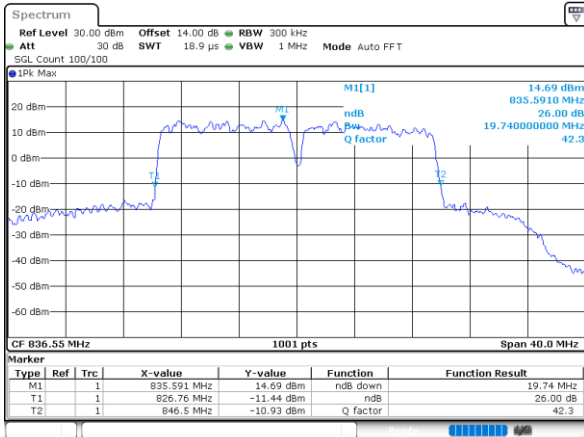
N/A



Date: 3, JAN, 2023 19:45:27

Middle Channel / 10MHz+10MHz

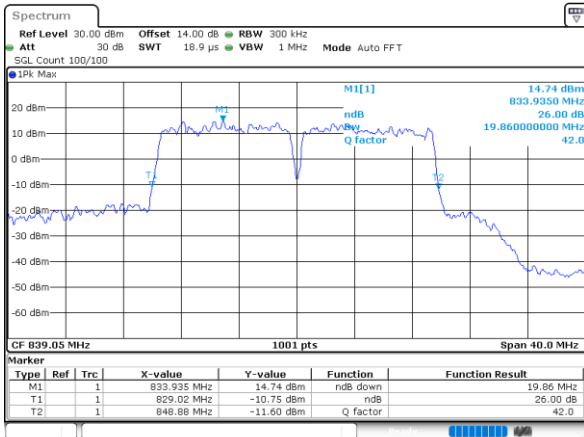
N/A



Date: 20, DEC, 2022 21:05:58

Highest Channel / 10MHz+10MHz

N/A



Date: 20, DEC, 2022 21:18:56



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.59	7.56	13.97
Middle CH	7.61	7.59	13.94
Highest CH	7.62	7.58	13.91
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.91	18.78	-
Middle CH	13.88	18.74	-
Highest CH	13.91	18.74	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.59	7.61	13.85
Middle CH	7.61	7.64	13.91
Highest CH	7.56	7.58	13.85
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.94	18.74	-
Middle CH	13.88	18.70	-
Highest CH	13.88	18.74	-

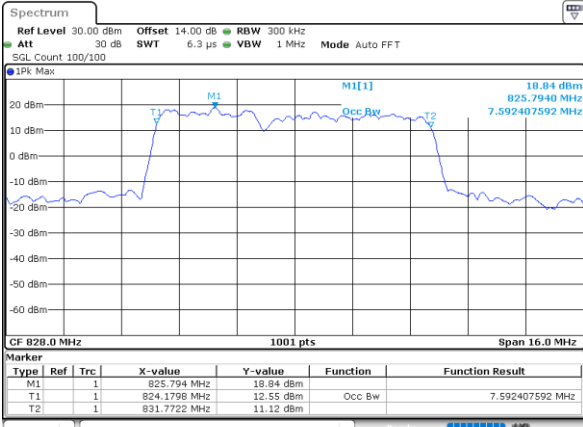
Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.56	7.59	13.91
Middle CH	7.64	7.59	13.94
Highest CH	7.61	7.53	13.85
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.91	18.78	-
Middle CH	13.91	18.74	-
Highest CH	13.88	18.78	-



LTE Band 5B

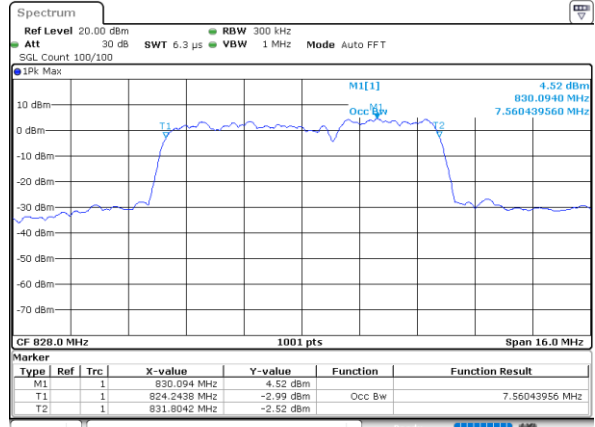
QPSK

Lowest Channel / 3MHz+5MHz



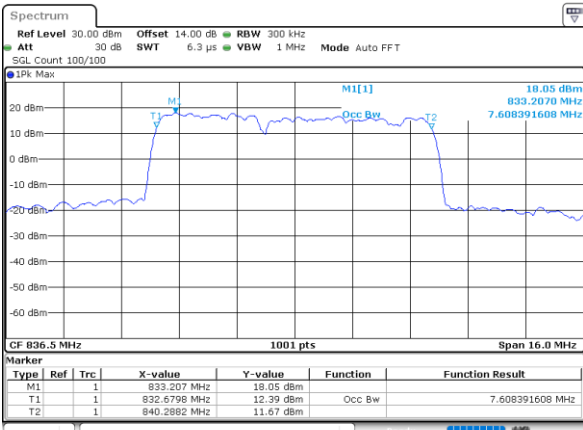
Date: 20, DEC, 2022 00:15:22

Lowest Channel / 5MHz+3MHz



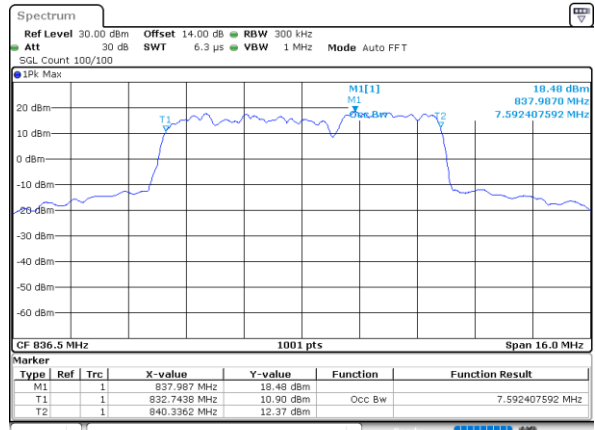
Date: 20, DEC, 2022 02:40:12

Middle Channel / 3MHz+5MHz



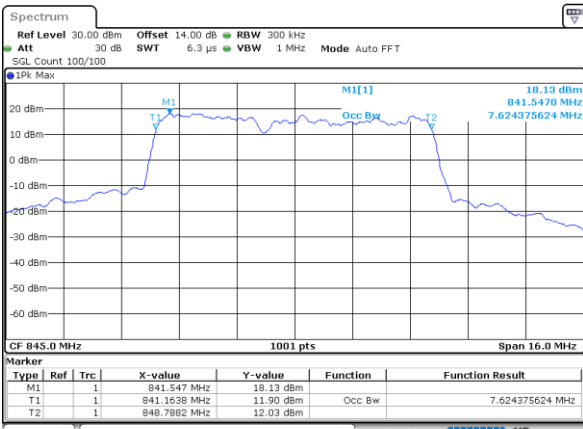
Date: 20, DEC, 2022 00:48:34

Middle Channel / 5MHz+3MHz



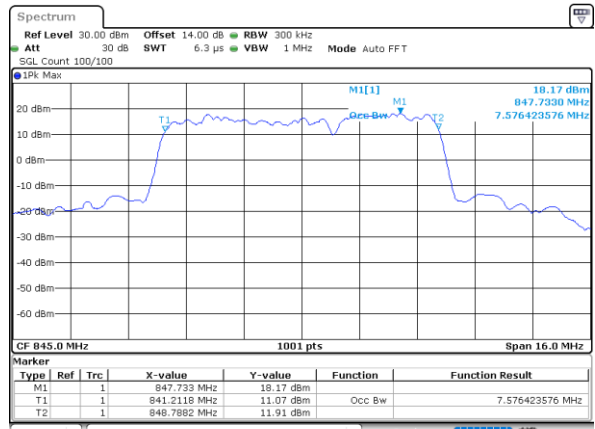
Date: 20, DEC, 2022 18:44:31

Highest Channel / 3MHz+5MHz



Date: 20, DEC, 2022 16:46:54

Highest Channel / 5MHz+3MHz



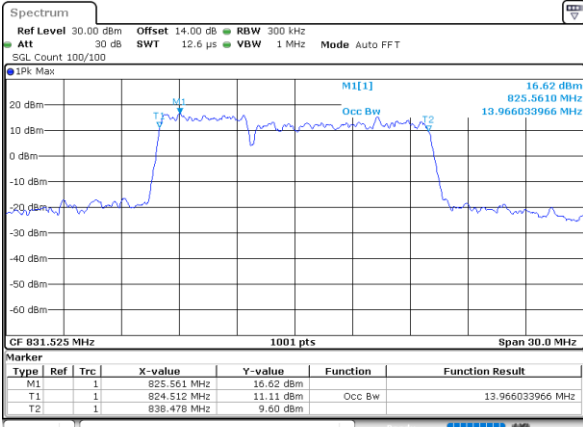
Date: 20, DEC, 2022 18:59:30



LTE Band 5B

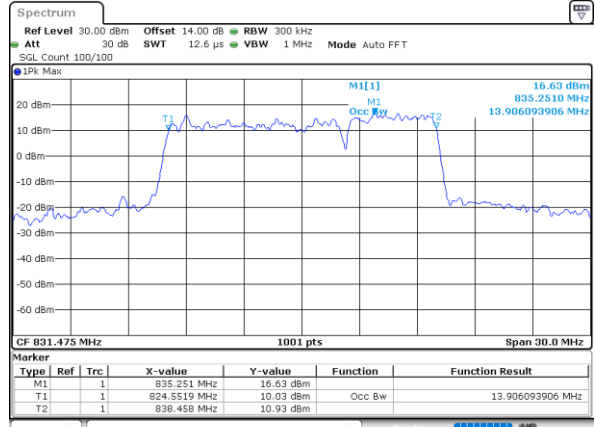
QPSK

Lowest Channel / 5MHz+10MHz



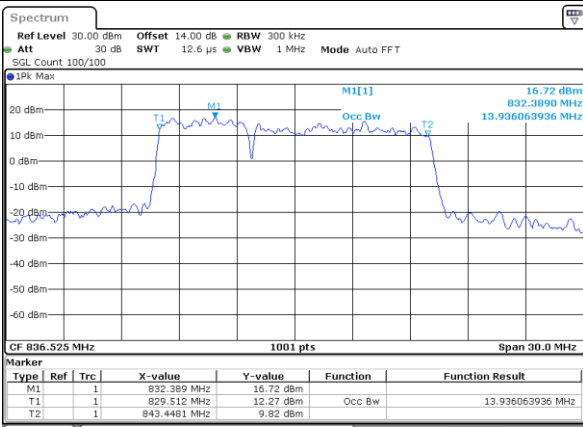
Date: 20, DEC, 2022 21:54:29

Lowest Channel / 10MHz+5MHz



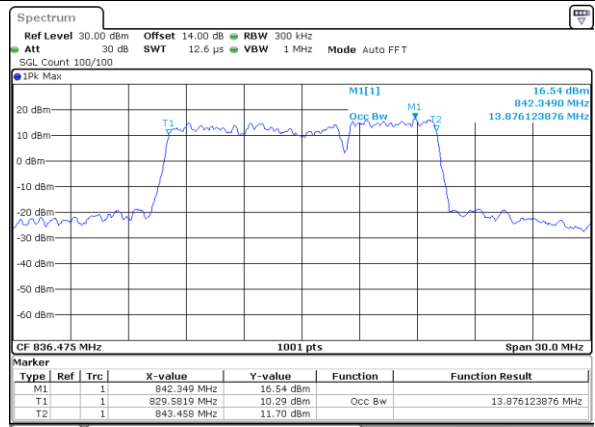
Date: 20, DEC, 2022 19:43:01

Middle Channel / 5MHz+10MHz



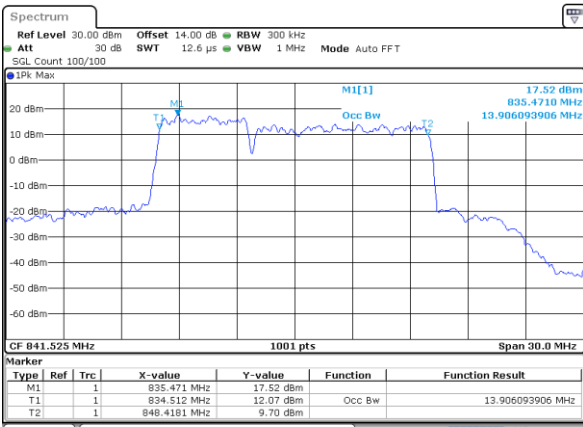
Date: 20, DEC, 2022 22:40:45

Middle Channel / 10MHz+5MHz



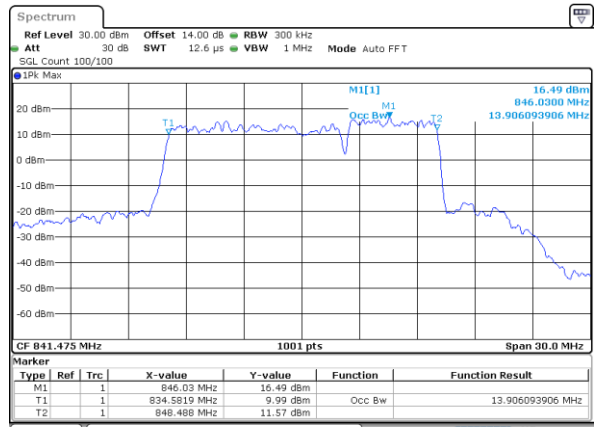
Date: 20, DEC, 2022 20:13:03

Highest Channel / 5MHz+10MHz



Date: 20, DEC, 2022 23:03:12

Highest Channel / 10MHz+5MHz



Date: 20, DEC, 2022 20:26:48

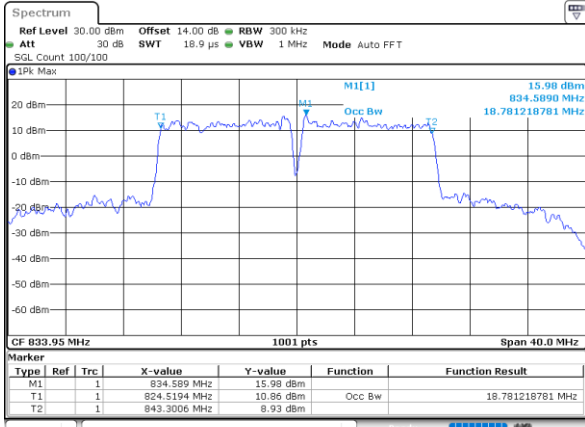


LTE Band 5B

QPSK

Lowest Channel / 10MHz+10MHz

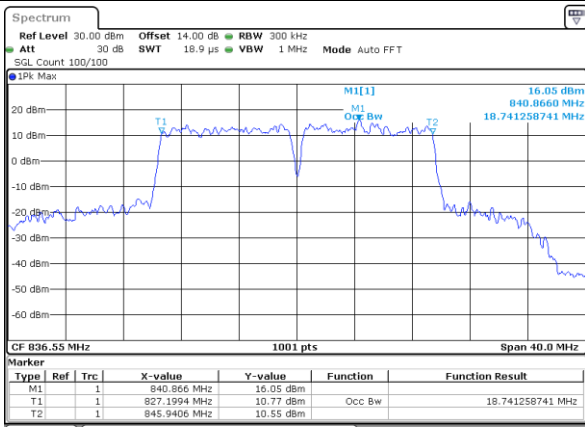
N/A



Date: 19, DEC, 2022 23:12:31

Middle Channel / 10MHz+10MHz

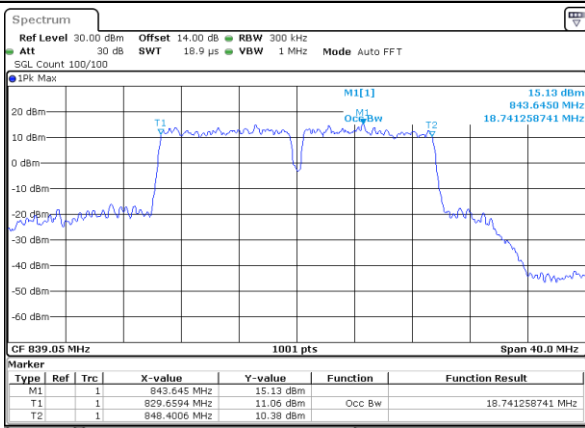
N/A



Date: 20, DEC, 2022 21:04:27

Highest Channel / 10MHz+10MHz

N/A



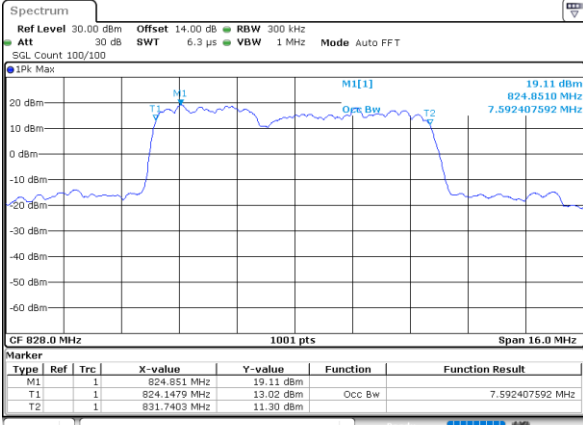
Date: 20, DEC, 2022 21:17:25



LTE Band 5B

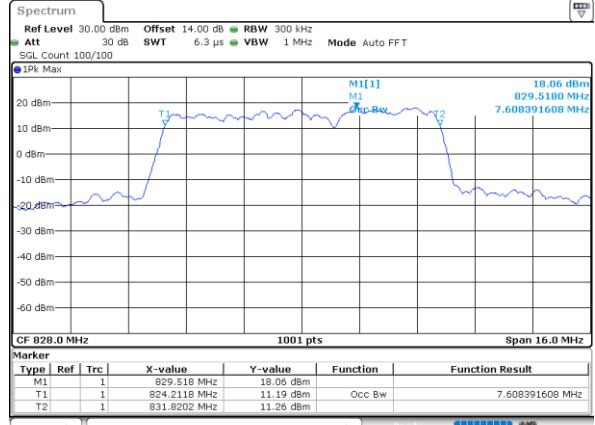
16QAM

Lowest Channel / 3MHz+5MHz



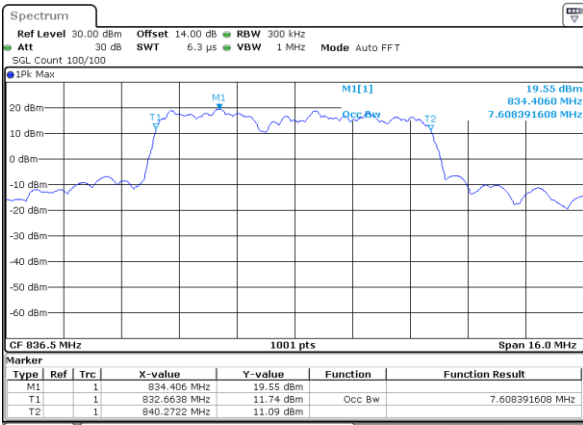
Date: 20, DEC, 2022 00:15:52

Lowest Channel / 5MHz+3MHz



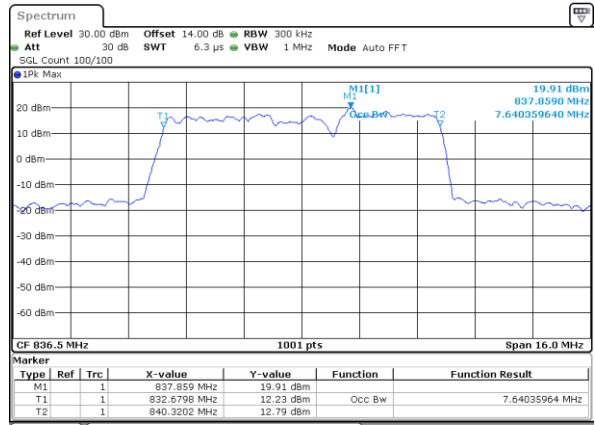
Date: 20, DEC, 2022 02:40:40

Middle Channel / 3MHz+5MHz



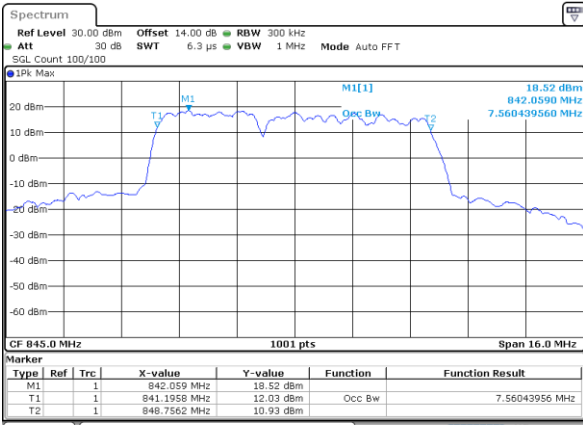
Date: 20, DEC, 2022 00:49:04

Middle Channel / 5MHz+3MHz



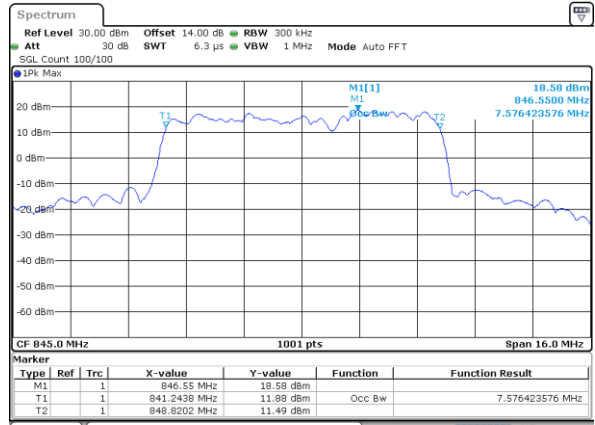
Date: 20, DEC, 2022 18:45:01

Highest Channel / 3MHz+5MHz



Date: 20, DEC, 2022 16:46:24

Highest Channel / 5MHz+3MHz



Date: 20, DEC, 2022 18:59:00