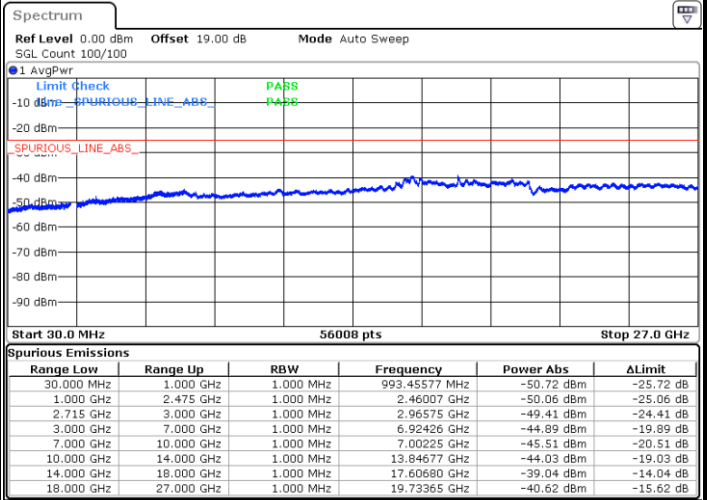
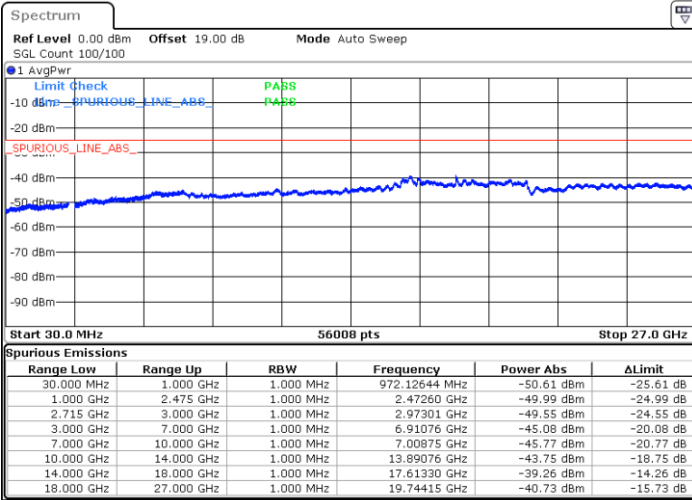




LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

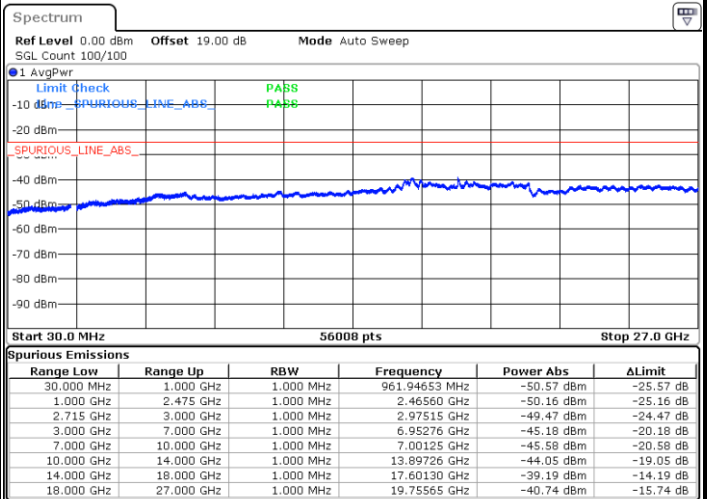
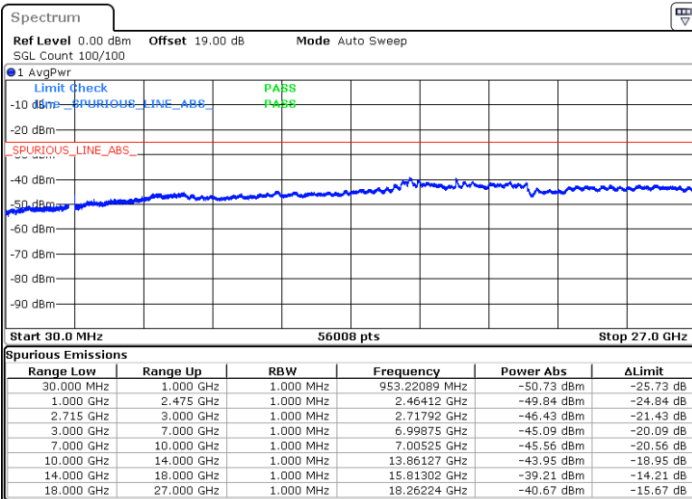


Date: 28.NOV.2022 15:10:33

Date: 28.NOV.2022 15:11:40

Highest Channel / QPSK

Highest Channel / 16QAM



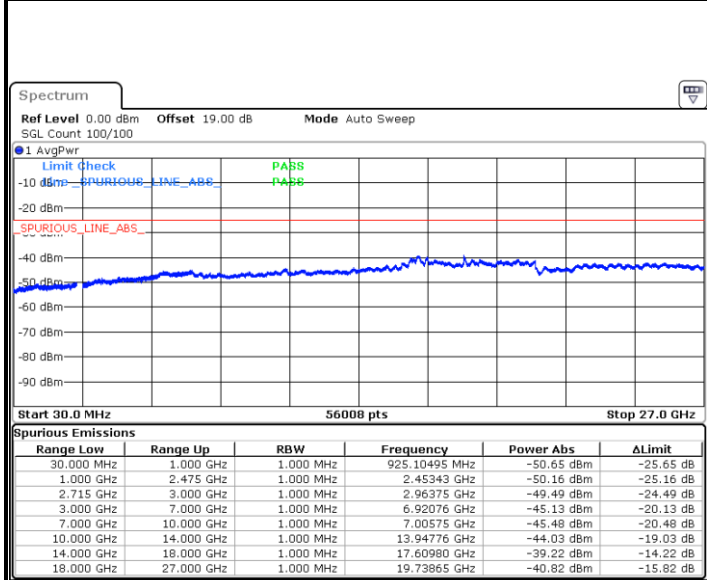
Date: 28.NOV.2022 15:12:47

Date: 28.NOV.2022 15:13:55



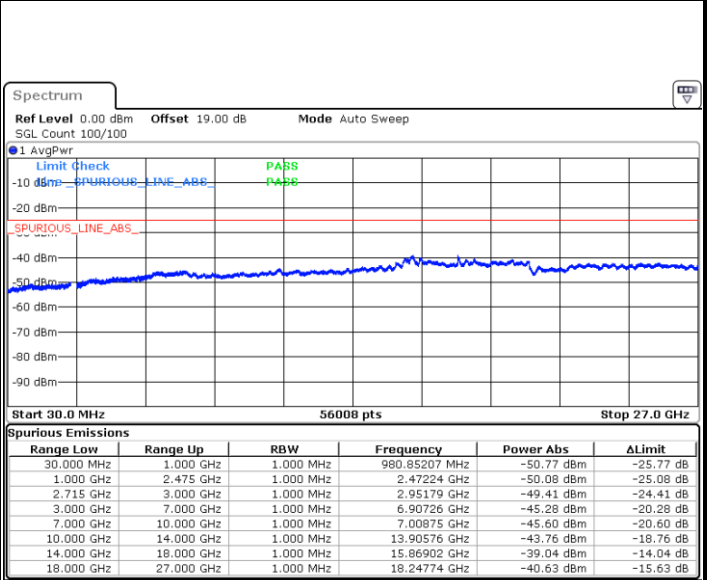
**LTE Band 41 / 5MHz**

**Lowest Channel / 64QAM**



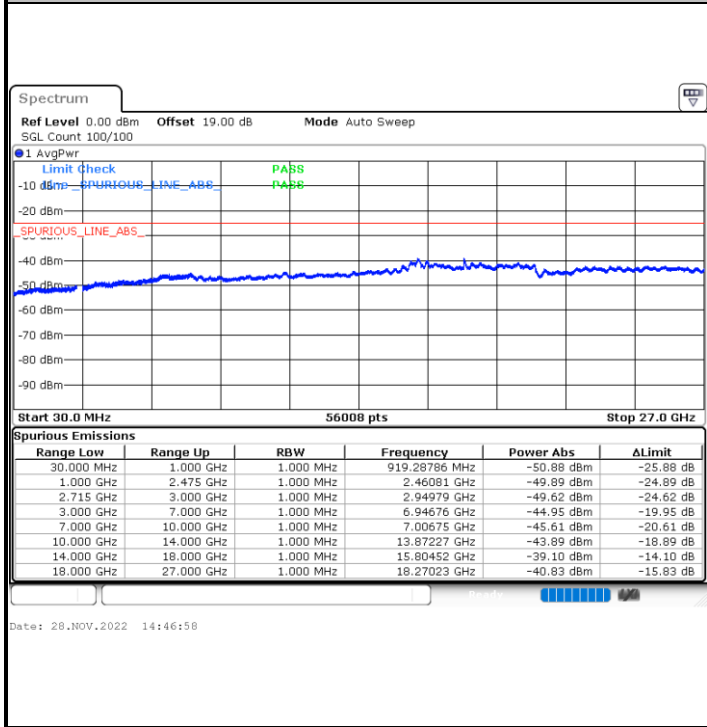
Date: 28.NOV.2022 14:44:43

**Middle Channel / 64QAM**



Date: 28.NOV.2022 14:45:50

**Highest Channel / 64QAM**



Date: 28.NOV.2022 14:46:58

**N/A**

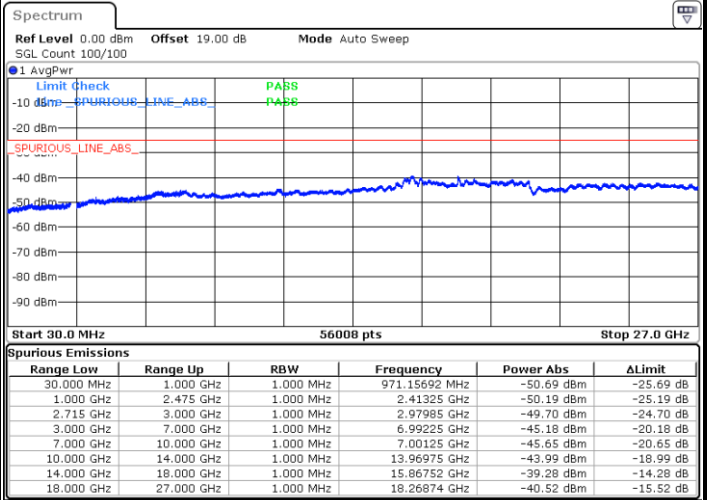
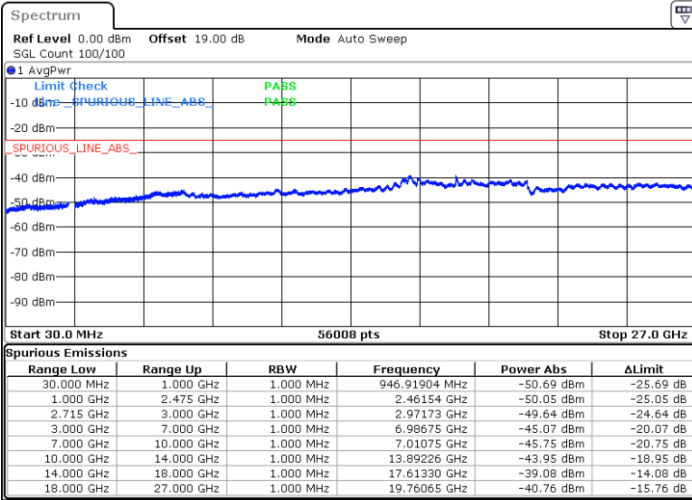
**N/A**



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

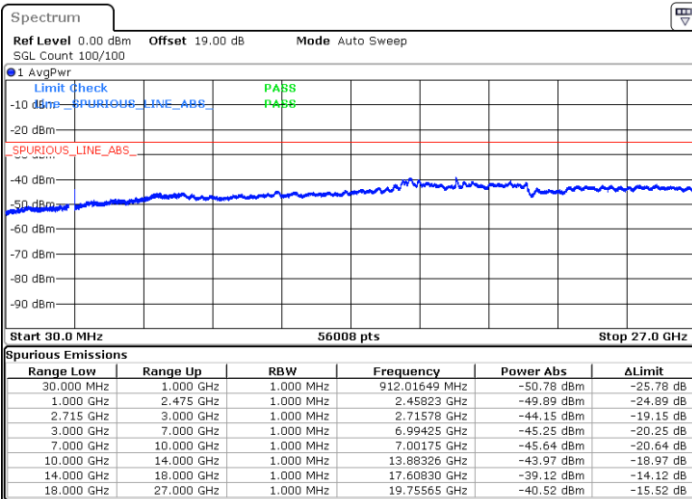


Date: 28.NOV.2022 14:48:05

Date: 28.NOV.2022 14:49:12

Highest Channel / 64QAM

N/A



Date: 28.NOV.2022 14:50:19

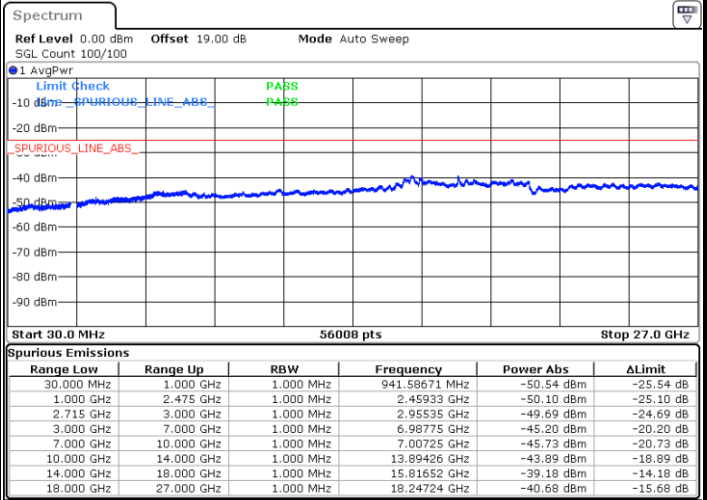
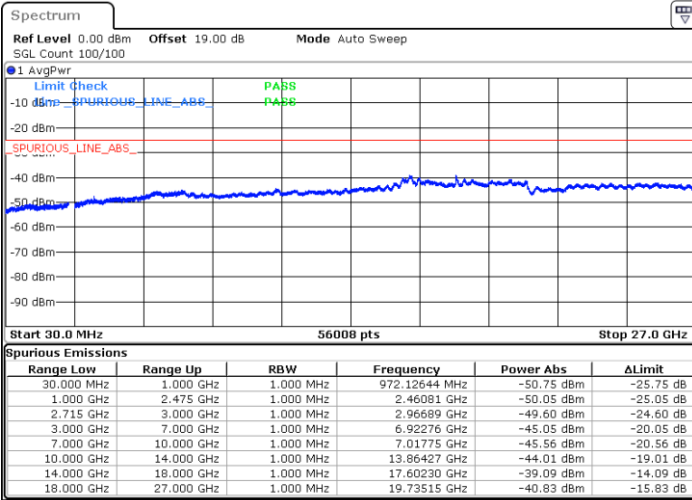
N/A



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

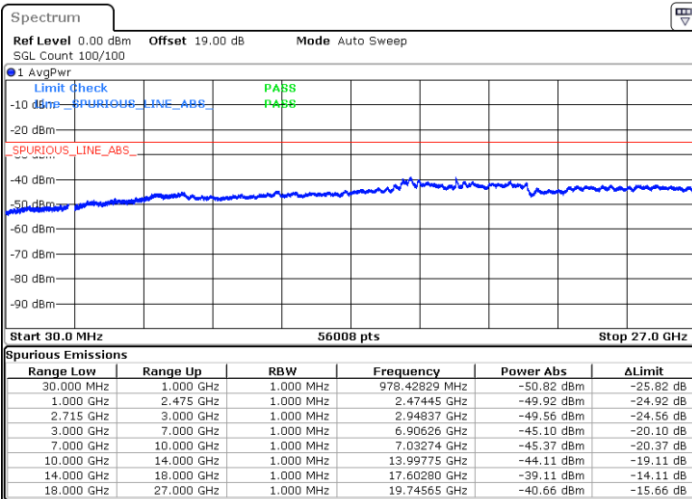


Date: 28.NOV.2022 15:04:56

Date: 28.NOV.2022 15:06:03

Highest Channel / 64QAM

N/A



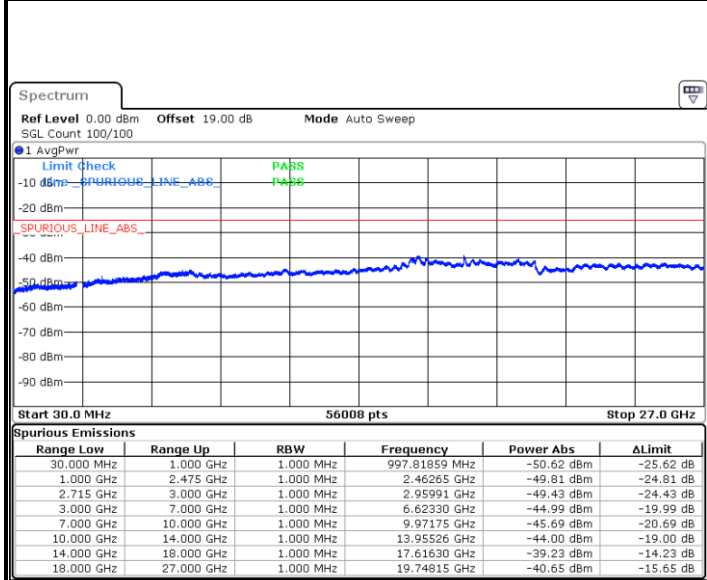
Date: 28.NOV.2022 15:07:10

N/A



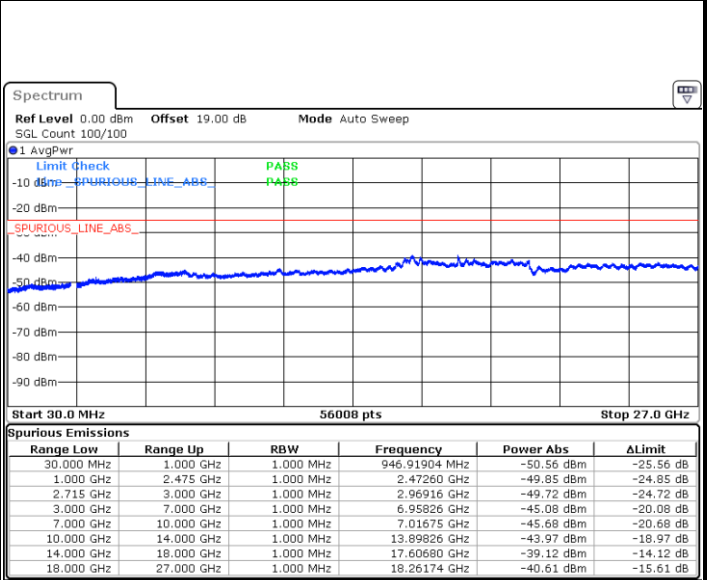
**LTE Band 41 / 20MHz**

**Lowest Channel / 64QAM**



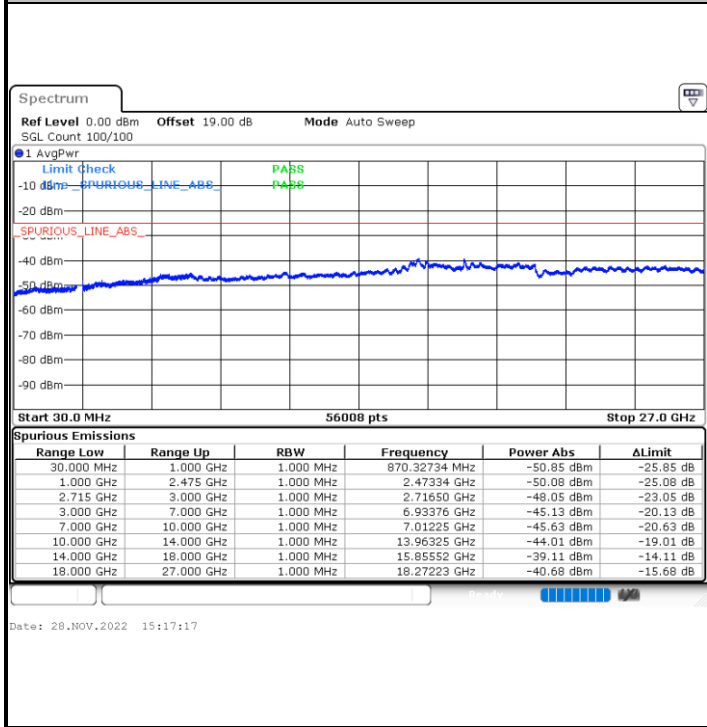
Date: 28.NOV.2022 15:15:02

**Middle Channel / 64QAM**



Date: 28.NOV.2022 15:16:10

**Highest Channel / 64QAM**



Date: 28.NOV.2022 15:17:17

**N/A**

**N/A**



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	0.0010	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	30.15	25.52	30.57	35.04
Middle CH	30.15	25.57	30.93	35.18
Highest CH	30.09	25.62	30.87	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	34.97	39.96	-
Middle CH	30.15	35.25	39.96	-
Highest CH	30.21	35.11	39.80	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	30.09	25.33	30.57	35.04
Middle CH	30.09	25.48	30.87	34.97
Highest CH	30.03	25.52	30.87	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.11	39.96	-
Middle CH	30.09	35.04	40.04	-
Highest CH	30.15	34.97	39.96	-

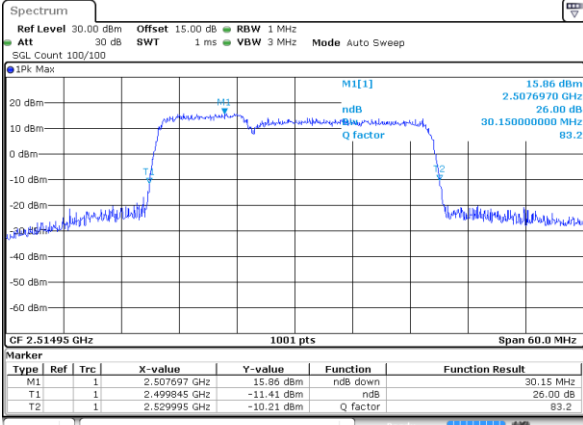
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	30.03	25.38	30.57	35.11
Middle CH	30.15	25.43	30.93	35.11
Highest CH	30.03	25.62	30.87	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	35.11	39.96	-
Middle CH	30.09	35.18	40.04	-
Highest CH	30.15	35.18	39.88	-



LTE Band 7C

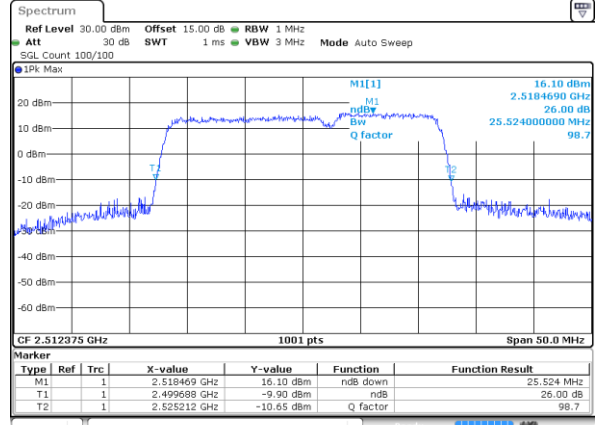
QPSK

Lowest Channel / 10MHz+20MHz



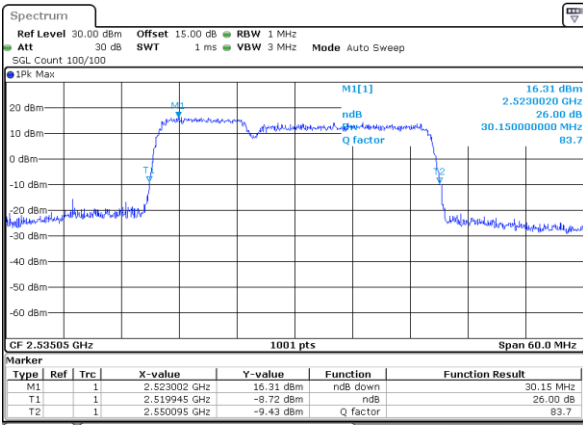
Date: 14 DEC 2022 23:42:08

Lowest Channel / 15MHz+10MHz



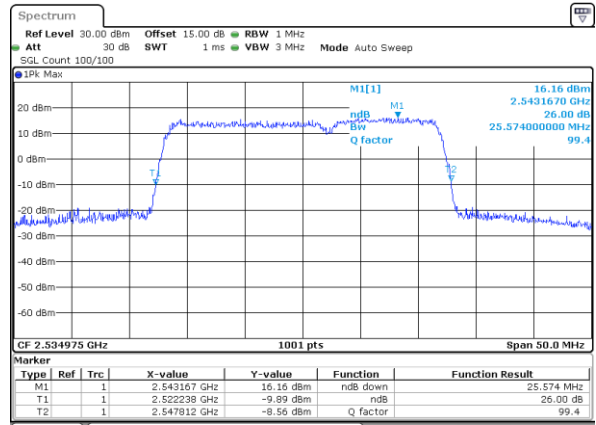
Date: 14 DEC 2022 22:25:32

Middle Channel / 10MHz+20MHz



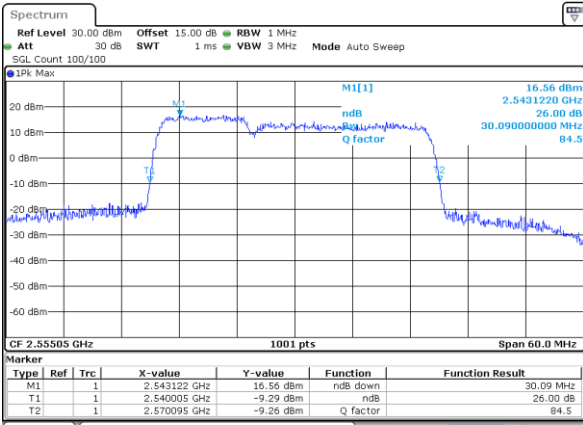
Date: 15 DEC 2022 00:07:58

Middle Channel / 15MHz+10MHz



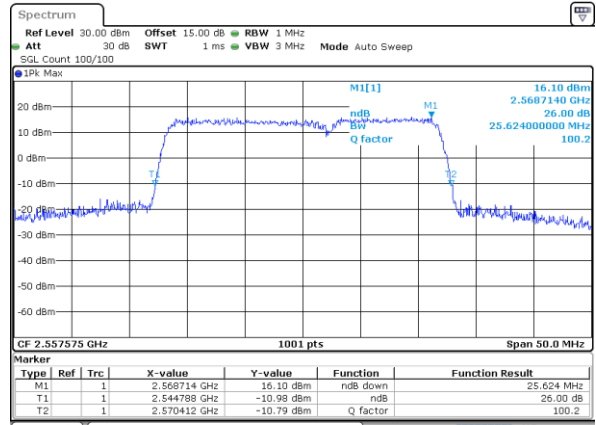
Date: 14 DEC 2022 22:51:23

Highest Channel / 10MHz+20MHz



Date: 15 DEC 2022 00:22:32

Highest Channel / 15MHz+10MHz



Date: 14 DEC 2022 23:05:56

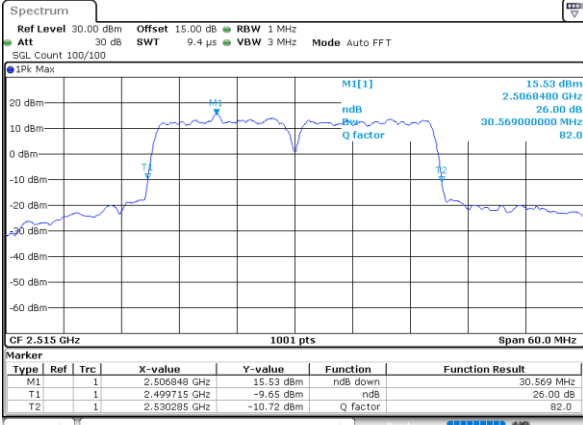




LTE Band 7C

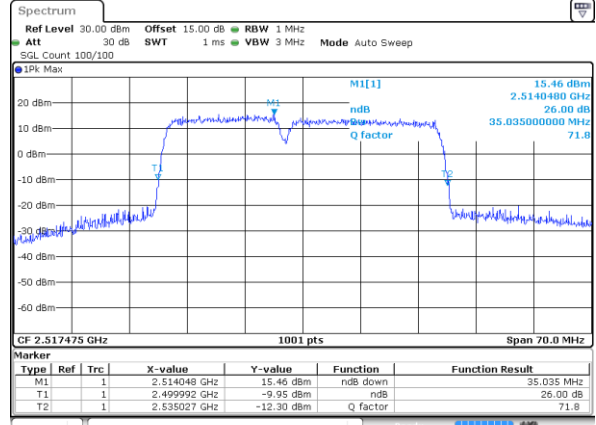
QPSK

Lowest Channel / 15MHz+15MHz



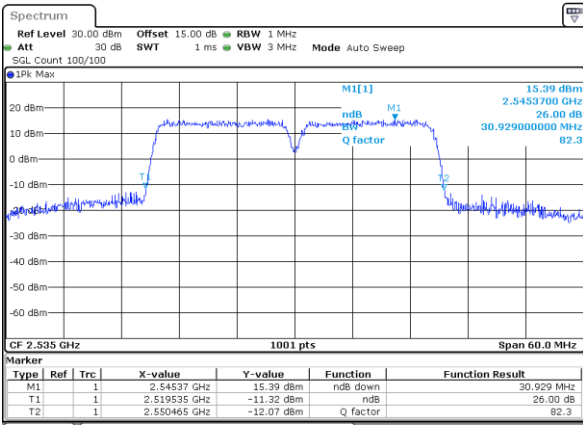
Date: 14 DEC 2022 16:16:36

Lowest Channel / 15MHz+20MHz



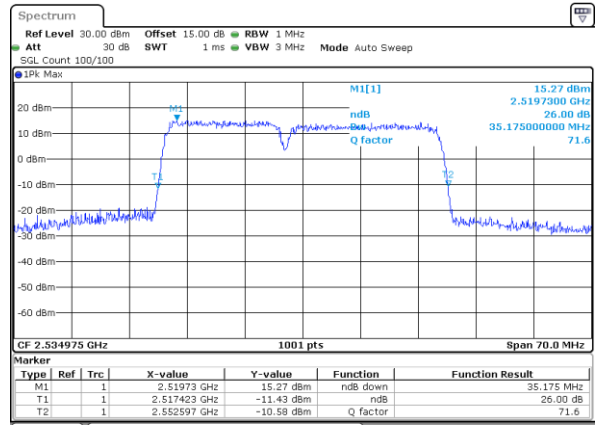
Date: 14 DEC 2022 21:15:47

Middle Channel / 15MHz+15MHz



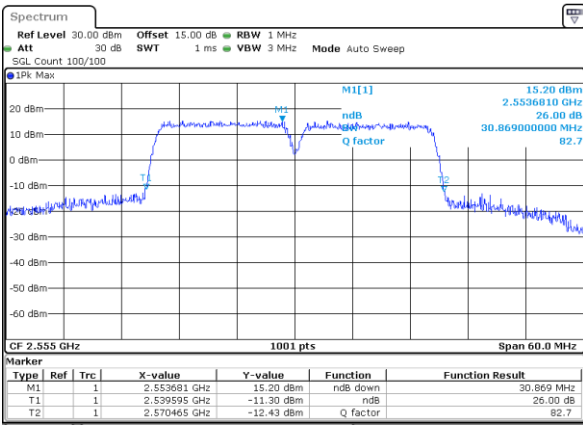
Date: 14 DEC 2022 18:07:31

Middle Channel / 15MHz+20MHz



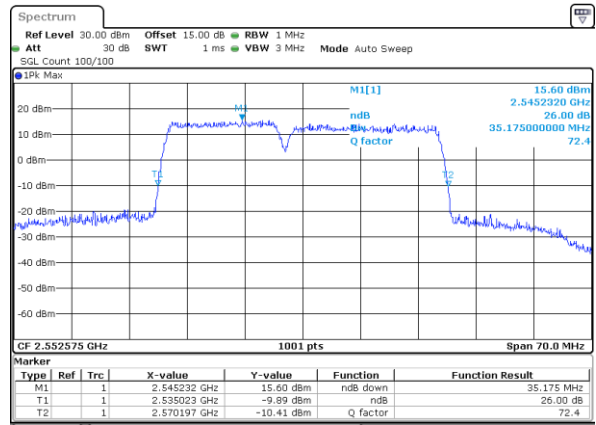
Date: 14 DEC 2022 21:41:38

Highest Channel / 15MHz+15MHz



Date: 14 DEC 2022 18:21:53

Highest Channel / 15MHz+20MHz



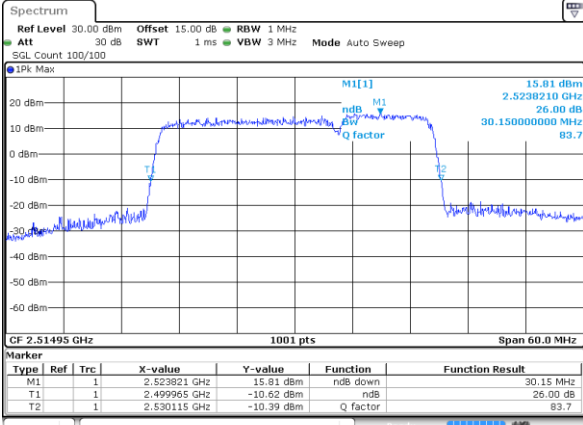
Date: 14 DEC 2022 21:56:11



LTE Band 7C

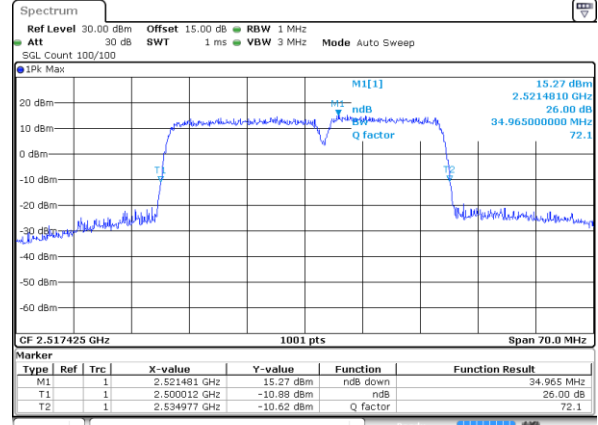
QPSK

Lowest Channel / 20MHz+10MHz



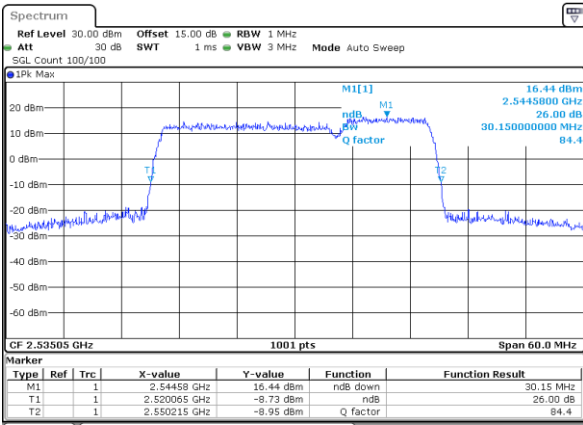
Date: 14 DEC 2022 20:02:45

Lowest Channel / 20MHz+15MHz



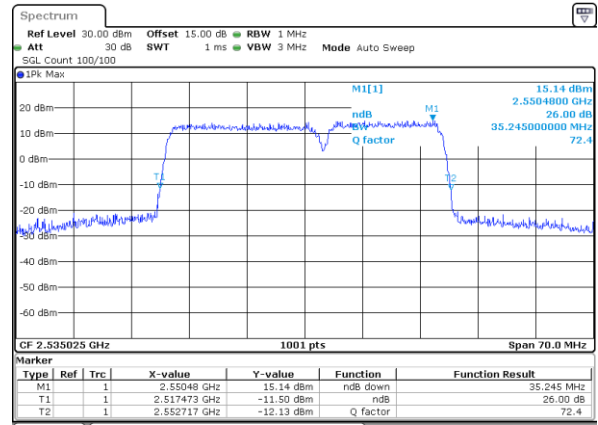
Date: 14 DEC 2022 18:54:57

Middle Channel / 20MHz+10MHz



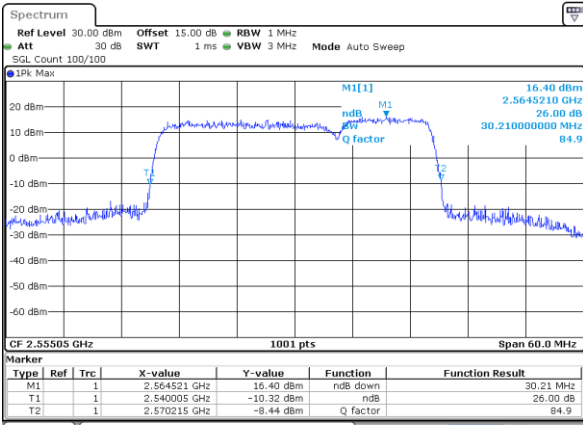
Date: 14 DEC 2022 20:28:10

Middle Channel / 20MHz+15MHz



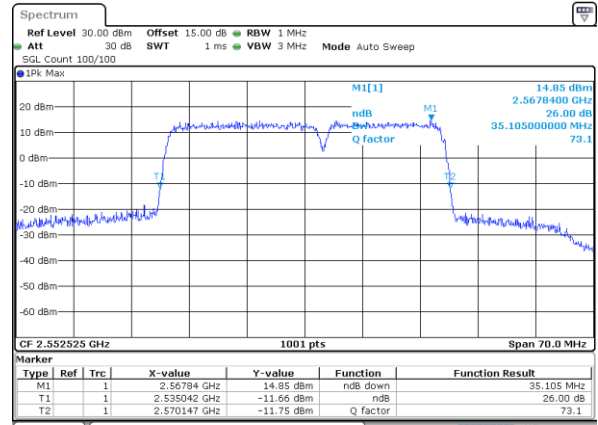
Date: 14 DEC 2022 19:20:23

Highest Channel / 20MHz+10MHz



Date: 14 DEC 2022 20:42:30

Highest Channel / 20MHz+15MHz



Date: 14 DEC 2022 19:34:42

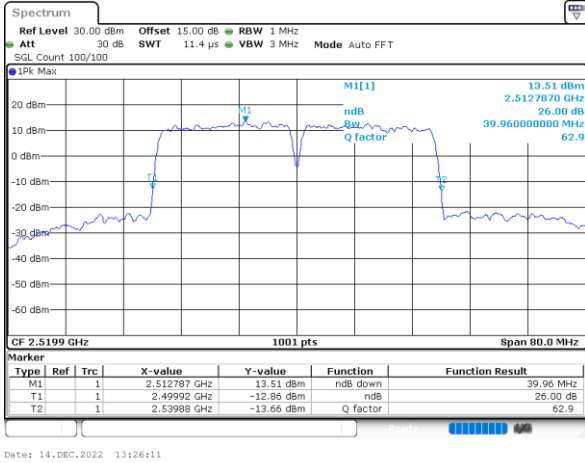


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

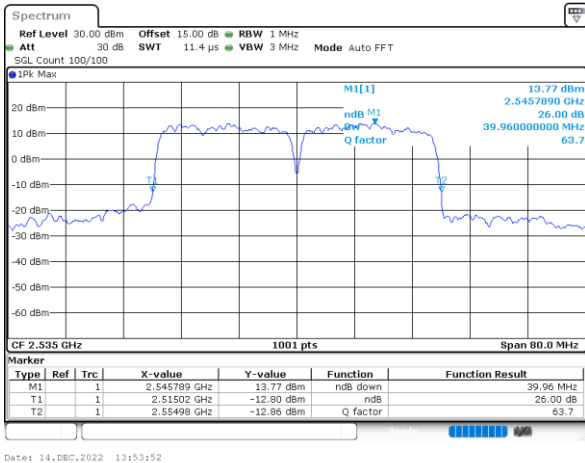
N/A



Date: 14, DEC, 2022 13:26:11

Middle Channel / 20MHz+20MHz

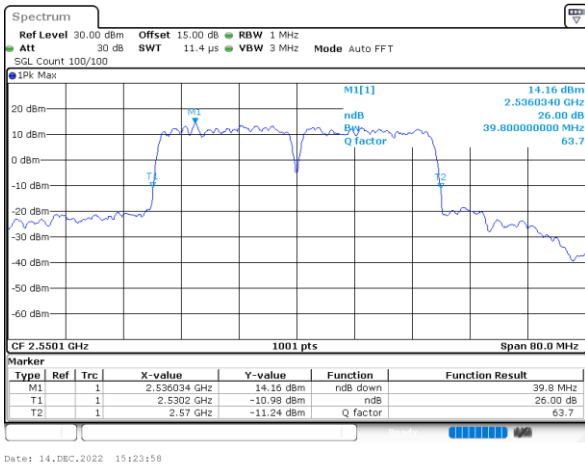
N/A



Date: 14, DEC, 2022 13:53:52

Highest Channel / 20MHz+20MHz

N/A



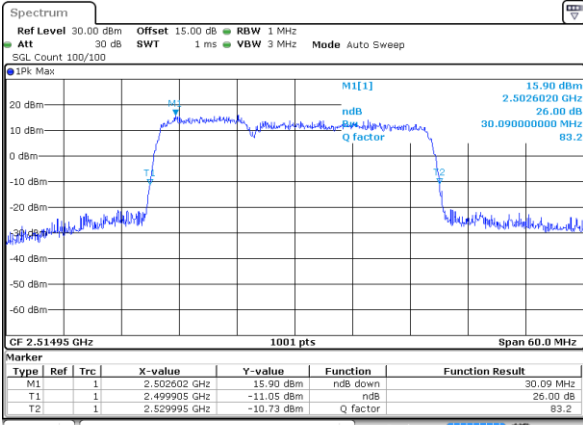
Date: 14, DEC, 2022 15:23:58



LTE Band 7C

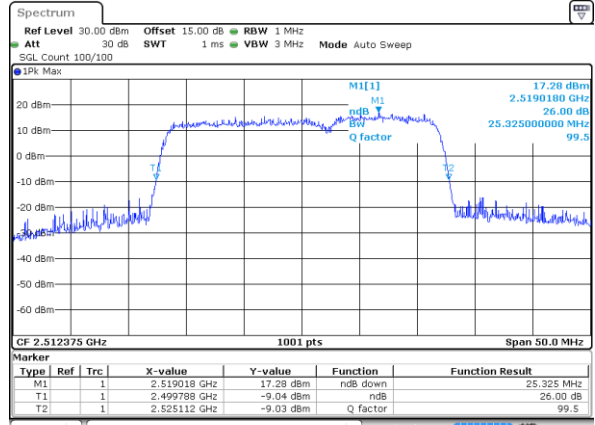
16QAM

Lowest Channel / 10MHz+20MHz



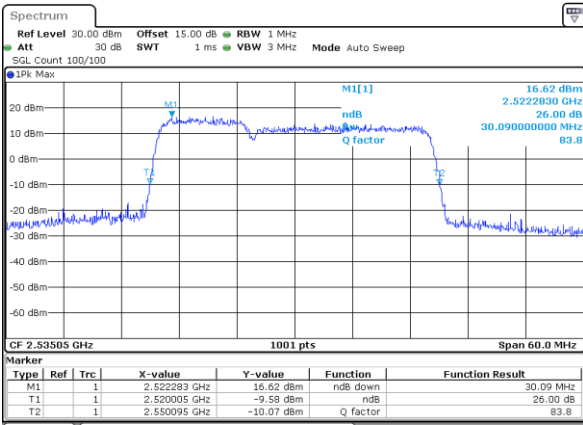
Date: 14 DEC 2022 23:41:35

Lowest Channel / 15MHz+10MHz



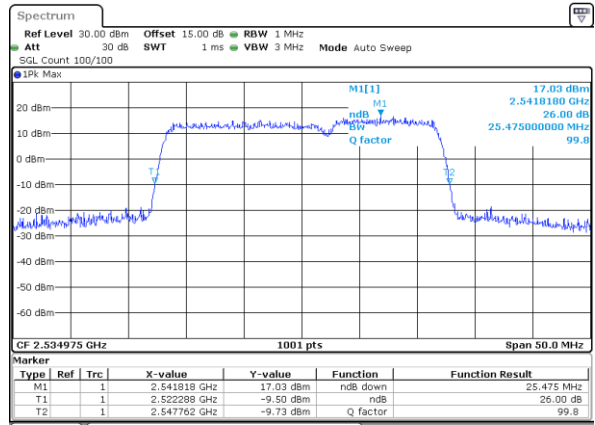
Date: 14 DEC 2022 22:24:59

Middle Channel / 10MHz+20MHz



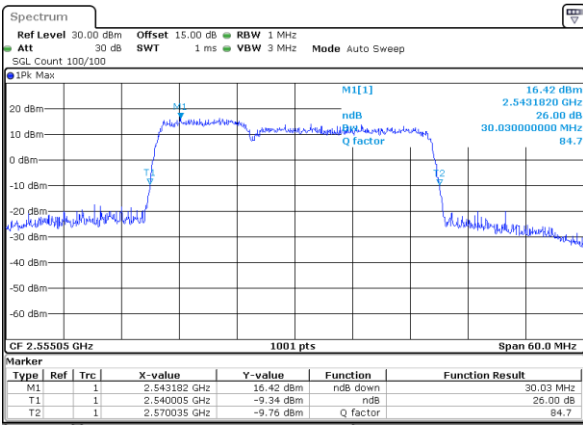
Date: 15 DEC 2022 00:07:26

Middle Channel / 15MHz+10MHz



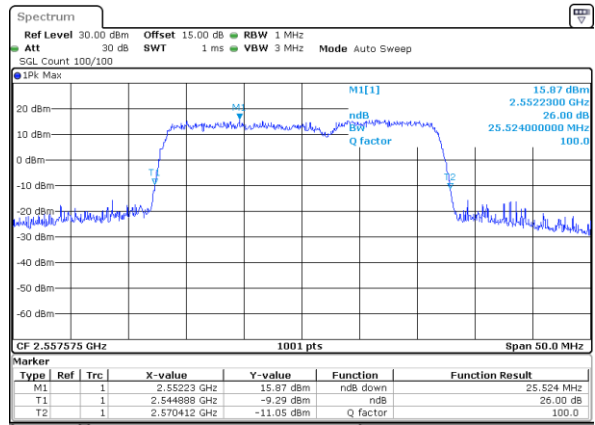
Date: 14 DEC 2022 22:50:50

Highest Channel / 10MHz+20MHz



Date: 15 DEC 2022 00:23:05

Highest Channel / 15MHz+10MHz



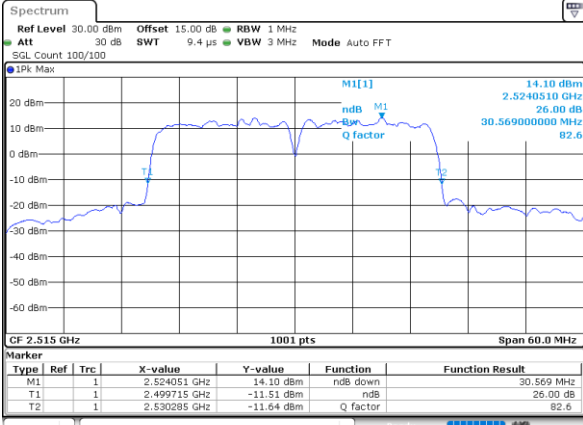
Date: 14 DEC 2022 23:06:29



LTE Band 7C

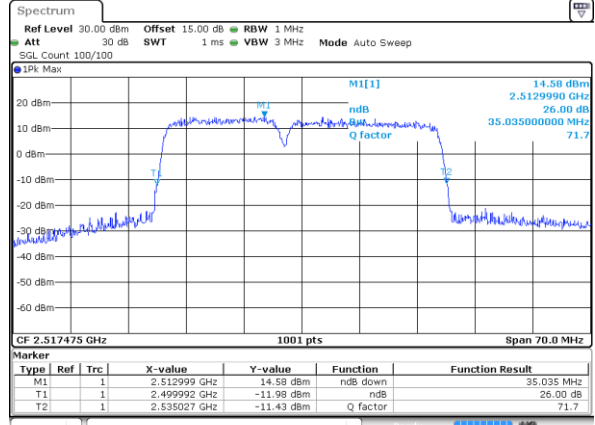
16QAM

Lowest Channel / 15MHz+15MHz



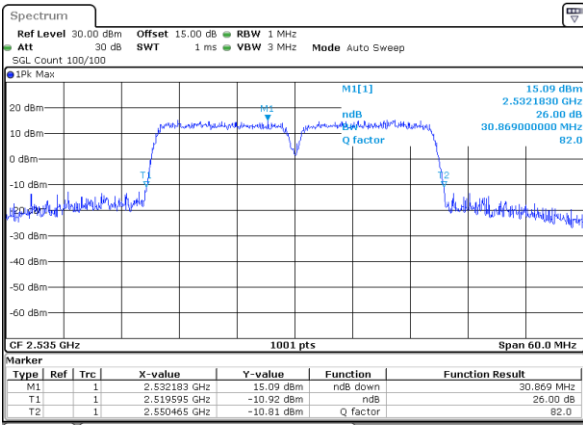
Date: 14 DEC 2022 16:16:04

Lowest Channel / 15MHz+20MHz



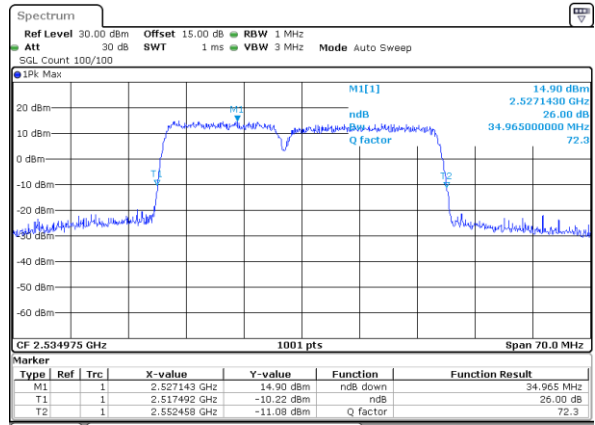
Date: 14 DEC 2022 21:15:14

Middle Channel / 15MHz+15MHz



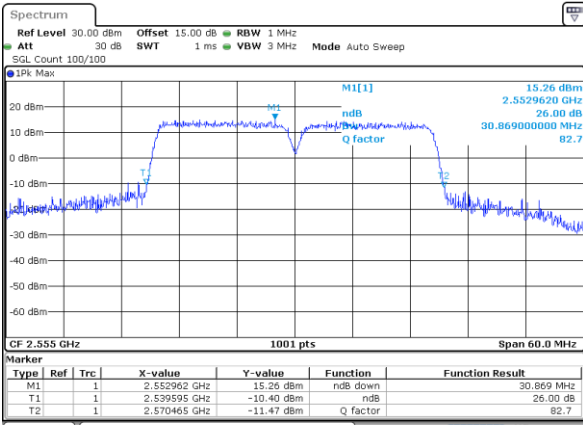
Date: 14 DEC 2022 18:07:00

Middle Channel / 15MHz+20MHz



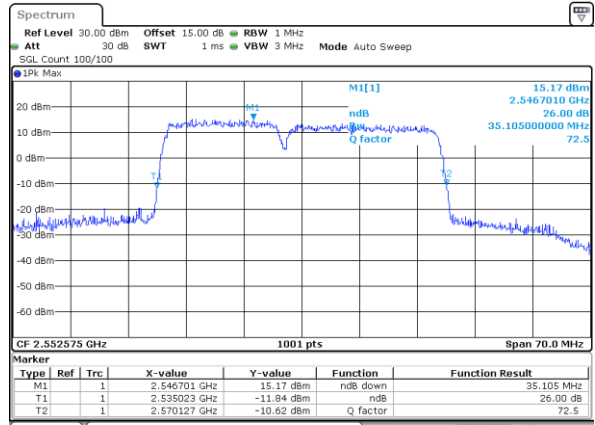
Date: 14 DEC 2022 21:41:06

Highest Channel / 15MHz+15MHz



Date: 14 DEC 2022 18:22:24

Highest Channel / 15MHz+20MHz



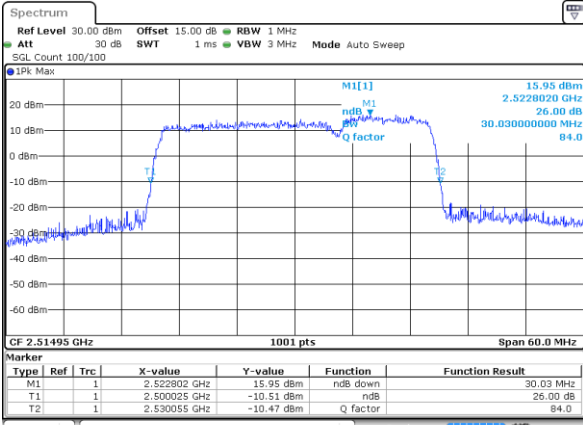
Date: 14 DEC 2022 21:56:44



LTE Band 7C

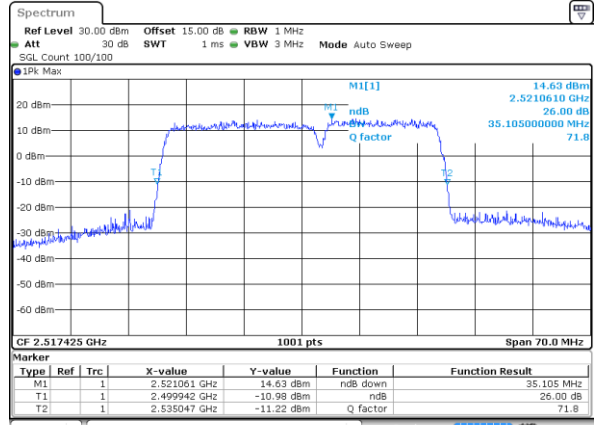
16QAM

Lowest Channel / 20MHz+10MHz



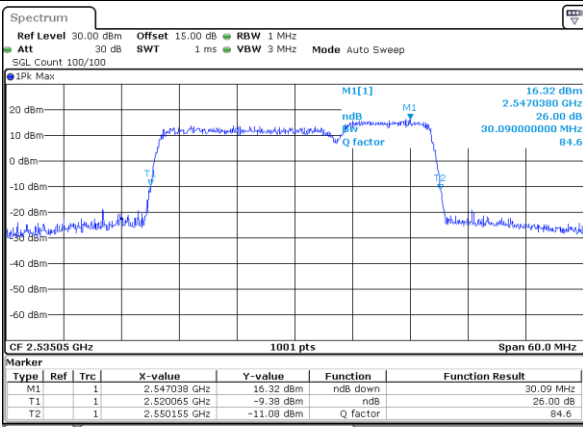
Date: 14 DEC 2022 20:02:13

Lowest Channel / 20MHz+15MHz



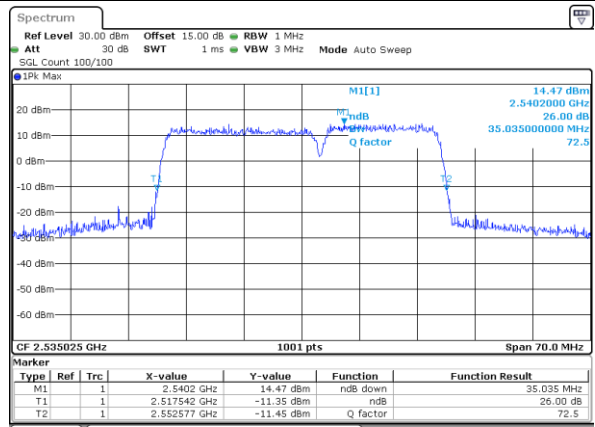
Date: 14 DEC 2022 18:54:25

Middle Channel / 20MHz+10MHz



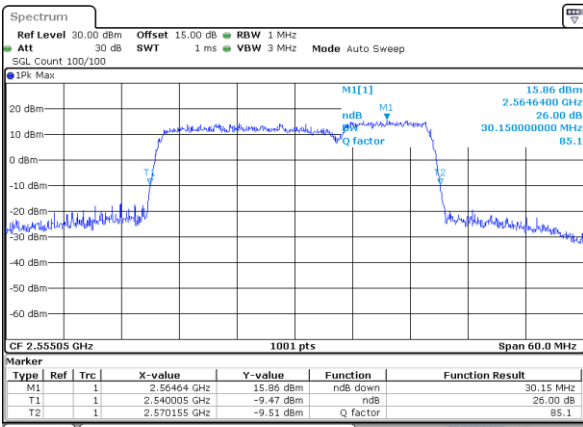
Date: 14 DEC 2022 20:27:39

Middle Channel / 20MHz+15MHz



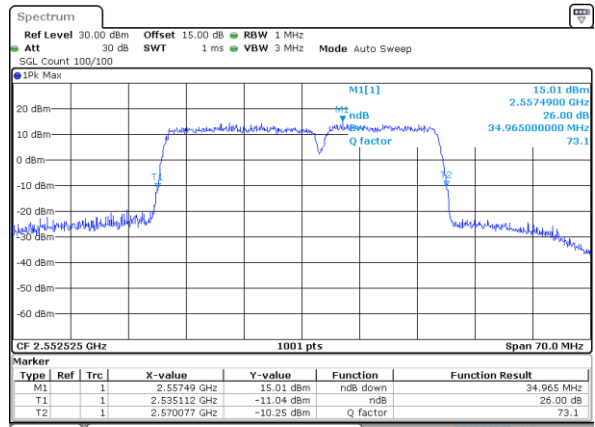
Date: 14 DEC 2022 19:19:51

Highest Channel / 20MHz+10MHz



Date: 14 DEC 2022 20:43:02

Highest Channel / 20MHz+15MHz



Date: 14 DEC 2022 19:35:14

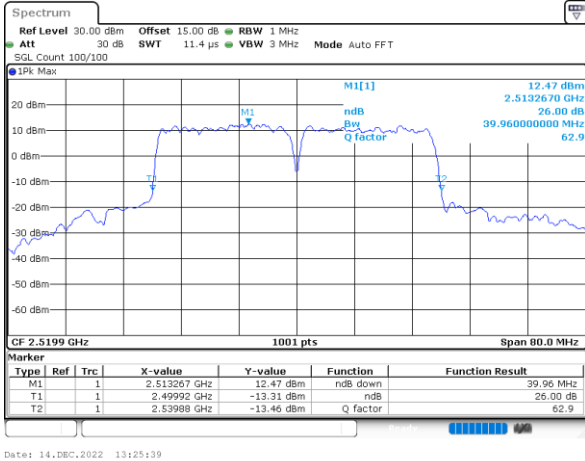


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

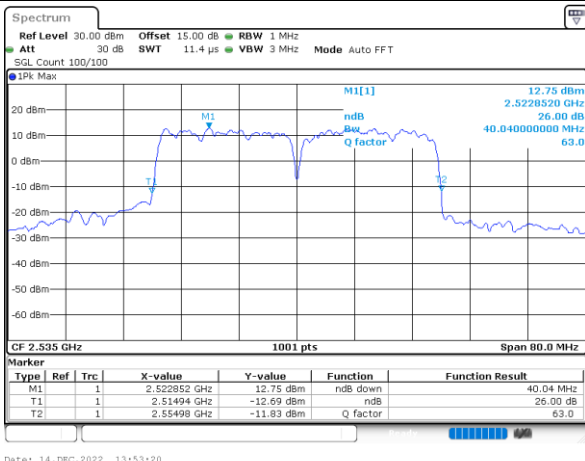
N/A



Date: 14, DEC, 2022 13:25:39

Middle Channel / 20MHz+20MHz

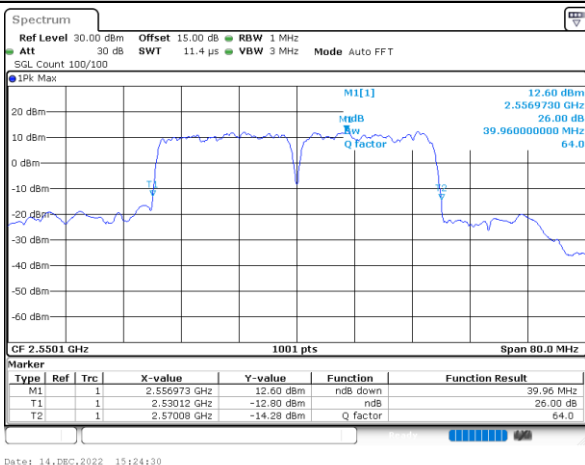
N/A



Date: 14, DEC, 2022 13:53:20

Highest Channel / 20MHz+20MHz

N/A



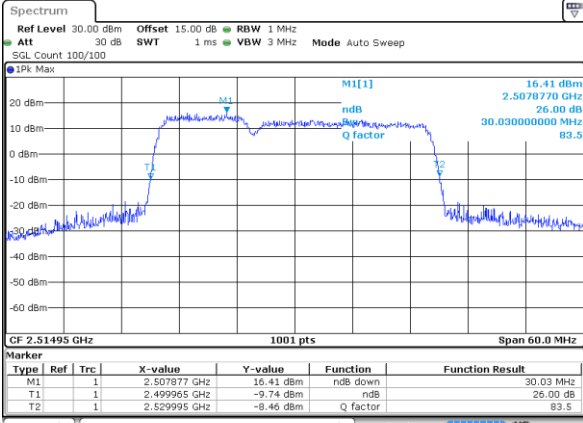
Date: 14, DEC, 2022 15:24:30



LTE Band 7C

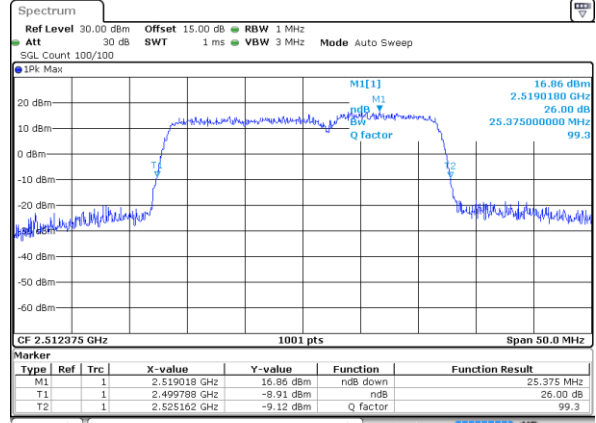
64QAM

Lowest Channel / 10MHz+20MHz



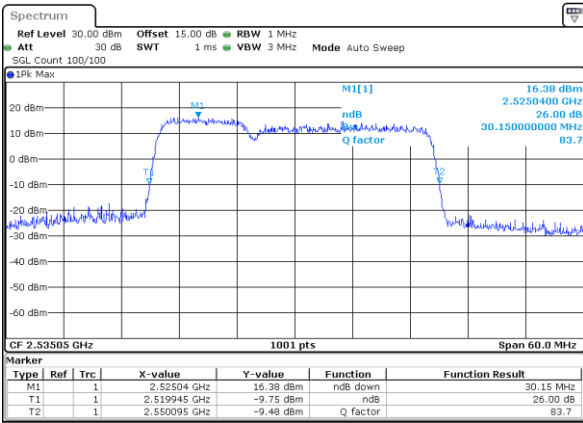
Date: 14 DEC 2022 23:41:02

Lowest Channel / 15MHz+10MHz



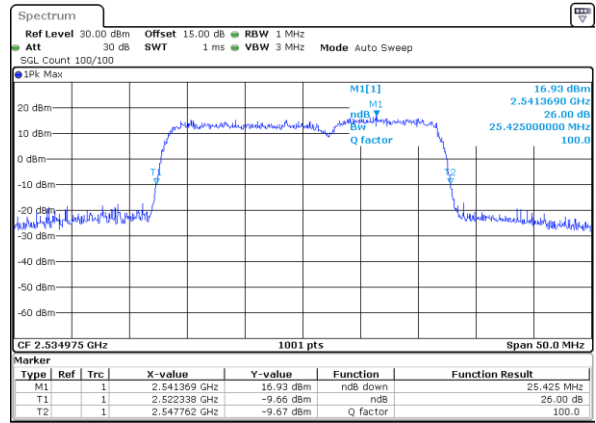
Date: 14 DEC 2022 22:24:26

Middle Channel / 10MHz+20MHz



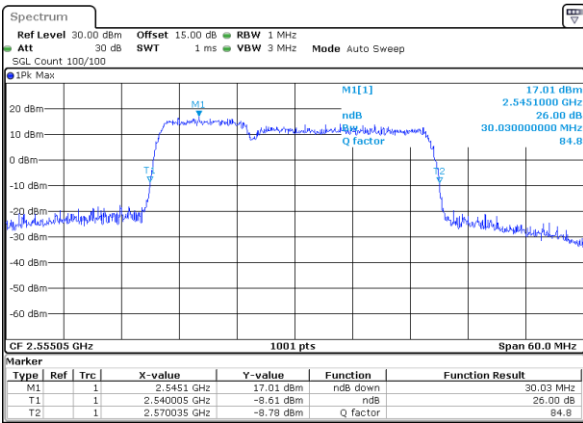
Date: 15 DEC 2022 00:06:53

Middle Channel / 15MHz+10MHz



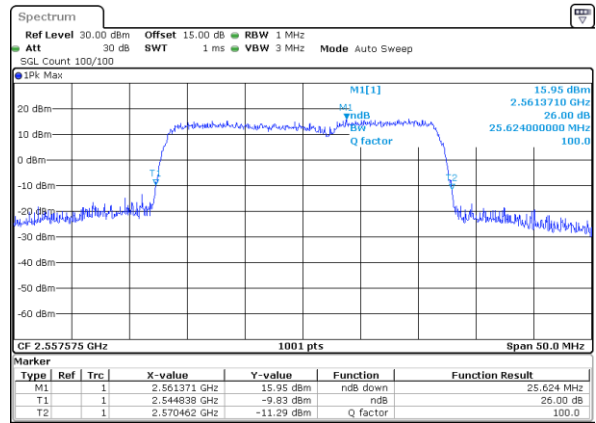
Date: 14 DEC 2022 22:50:17

Highest Channel / 10MHz+20MHz



Date: 15 DEC 2022 00:23:38

Highest Channel / 15MHz+10MHz



Date: 14 DEC 2022 23:07:01

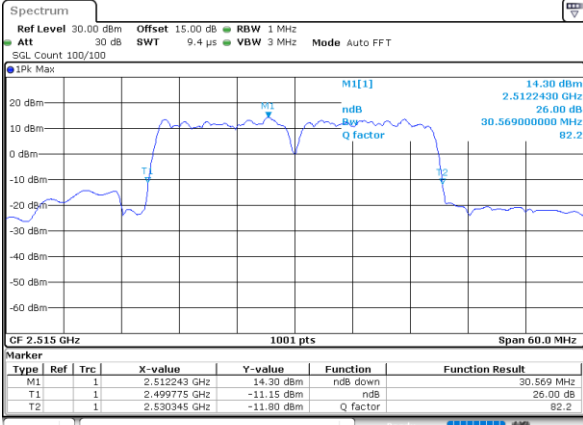




LTE Band 7C

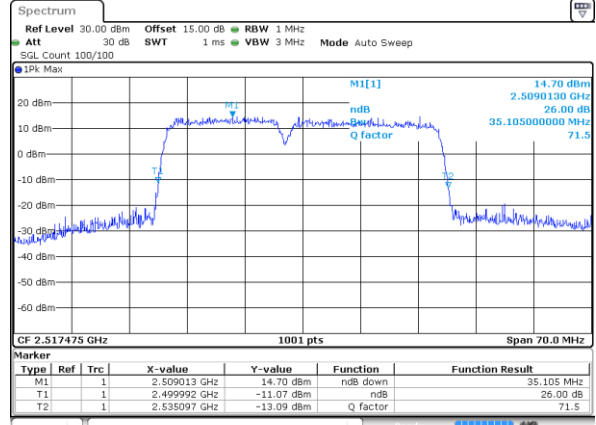
64QAM

Lowest Channel / 15MHz+15MHz



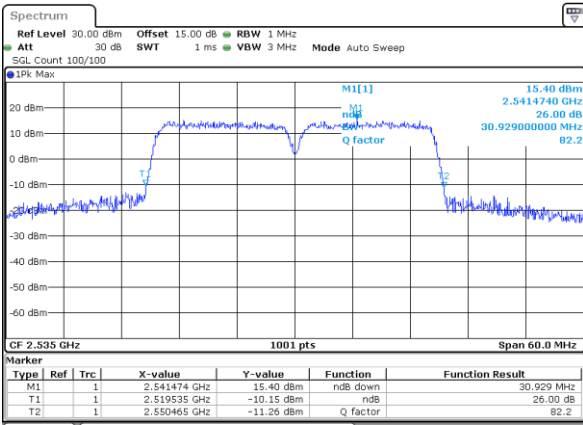
Date: 14 DEC 2022 16:15:32

Lowest Channel / 15MHz+20MHz



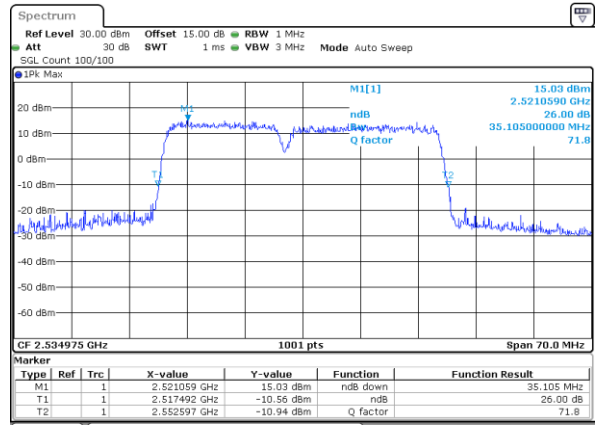
Date: 14 DEC 2022 21:14:41

Middle Channel / 15MHz+15MHz



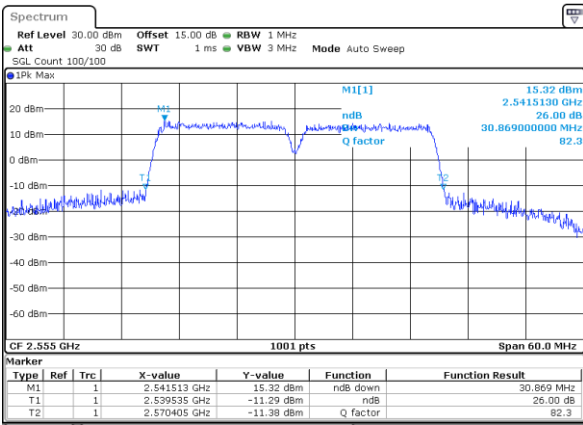
Date: 14 DEC 2022 18:06:28

Middle Channel / 15MHz+20MHz



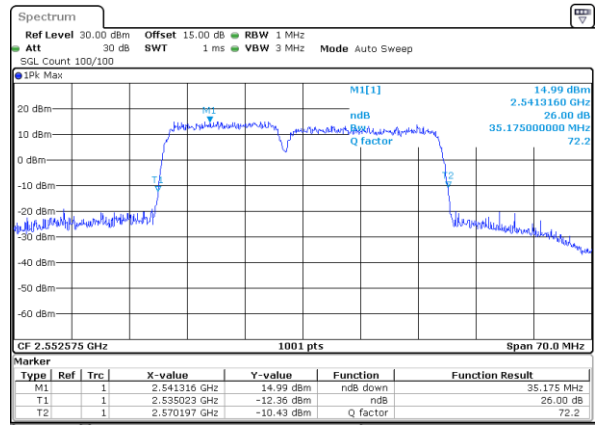
Date: 14 DEC 2022 21:40:33

Highest Channel / 15MHz+15MHz



Date: 14 DEC 2022 18:22:56

Highest Channel / 15MHz+20MHz



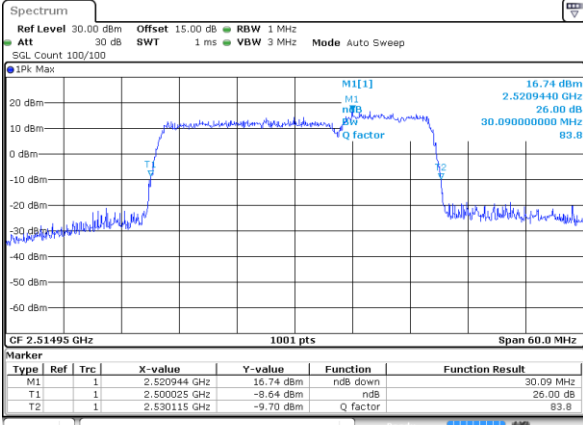
Date: 14 DEC 2022 21:57:16



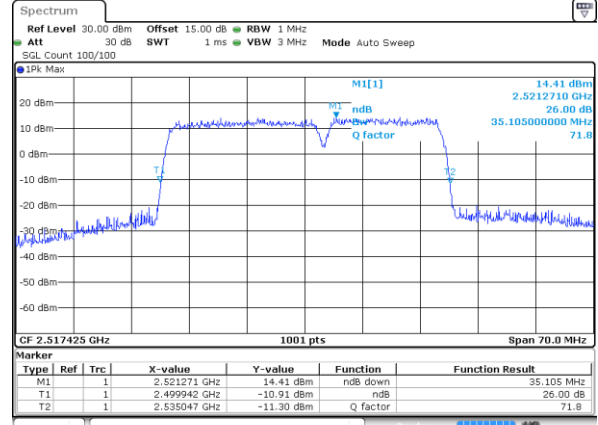
LTE Band 7C

64QAM

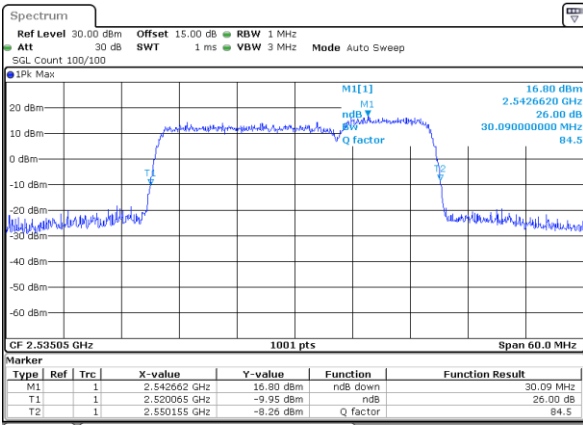
Lowest Channel / 20MHz+10MHz



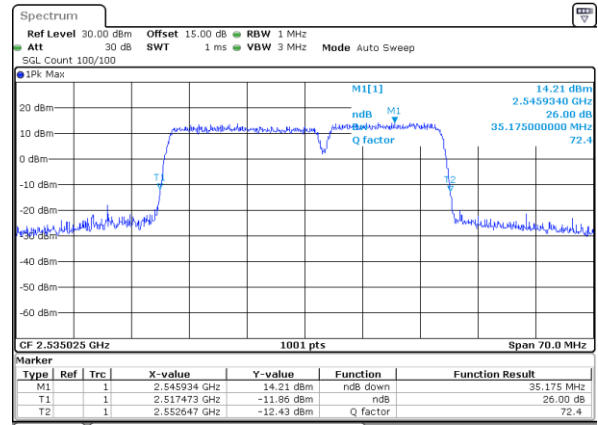
Lowest Channel / 20MHz+15MHz



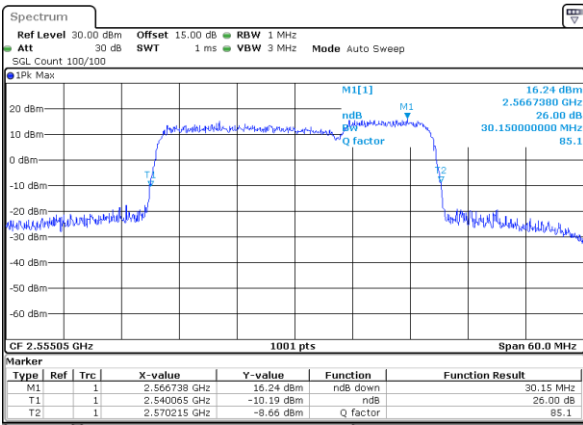
Middle Channel / 20MHz+10MHz



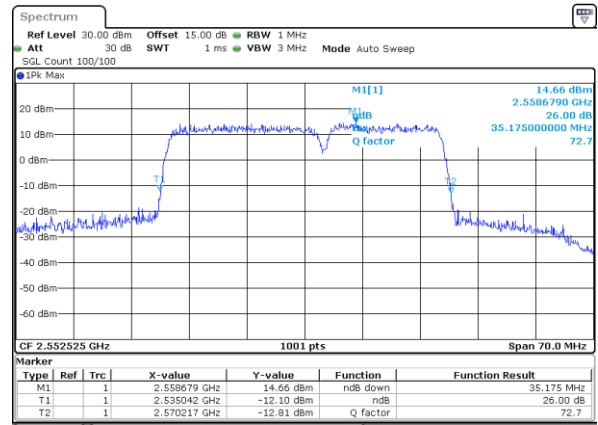
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



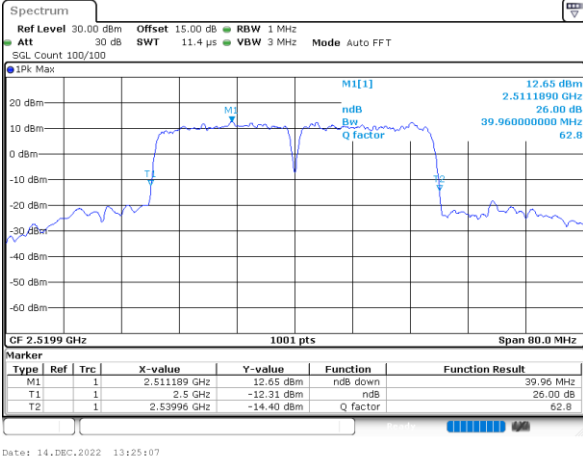


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

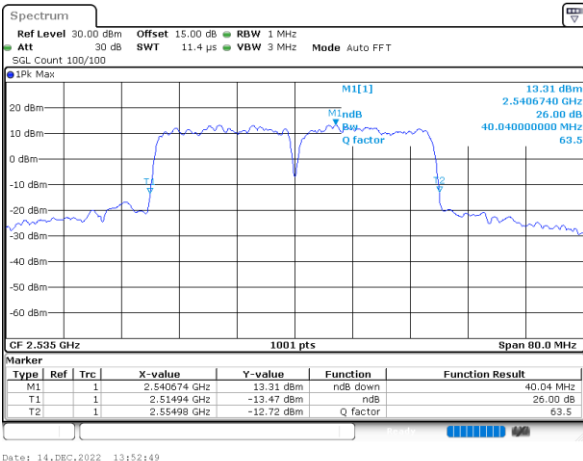
N/A



Date: 14, DEC, 2022 13:25:07

Middle Channel / 20MHz+20MHz

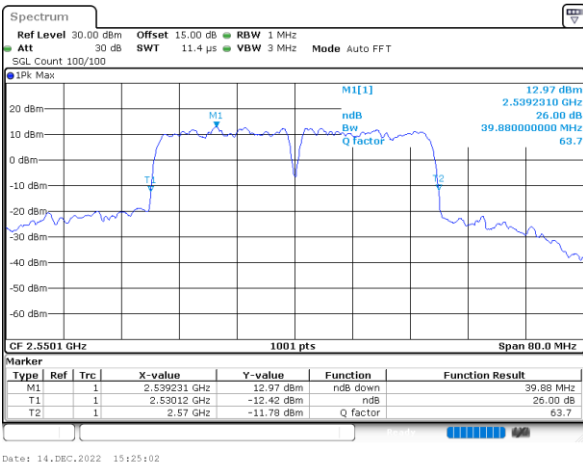
N/A



Date: 14, DEC, 2022 13:52:49

Highest Channel / 20MHz+20MHz

N/A



Date: 14, DEC, 2022 15:25:02



### Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.05	23.48	28.53	32.80
Middle CH	28.05	23.53	28.71	32.94
Highest CH	28.05	23.58	28.65	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.05	32.80	37.64	-
Middle CH	28.11	32.94	37.80	-
Highest CH	28.05	32.87	37.88	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.48	28.59	32.73
Middle CH	27.99	23.53	28.71	32.94
Highest CH	28.05	23.58	28.65	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.80	37.72	-
Middle CH	28.17	32.94	37.48	-
Highest CH	27.99	32.87	37.88	-

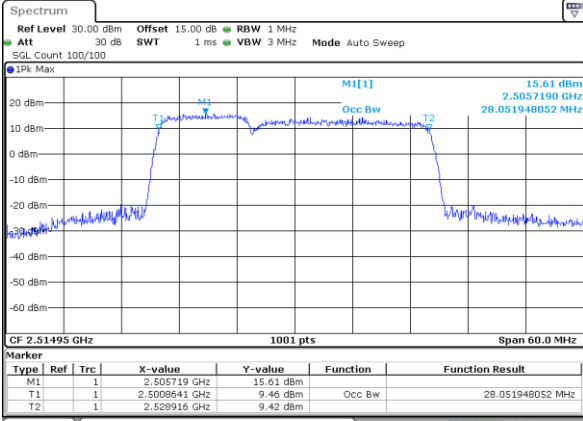
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.05	23.48	28.65	32.80
Middle CH	28.05	23.48	28.77	32.80
Highest CH	28.05	23.53	28.65	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.73	37.56	-
Middle CH	27.99	32.80	37.80	-
Highest CH	28.11	32.87	37.72	-



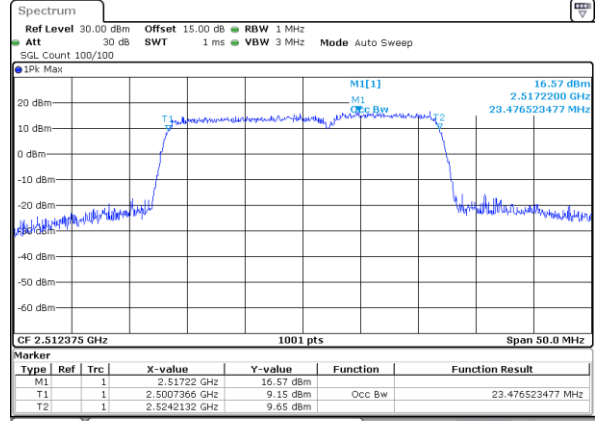
LTE Band 7C

QPSK

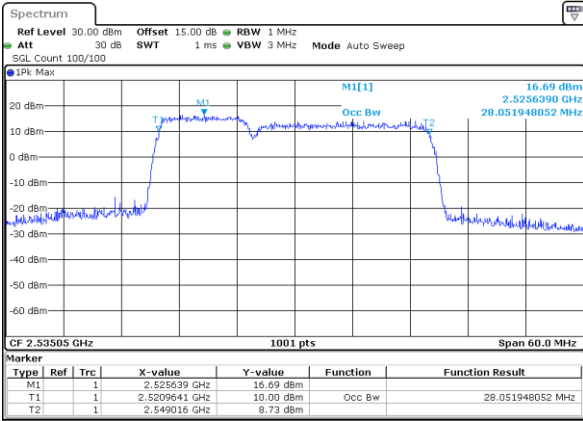
Lowest Channel / 10MHz+20MHz



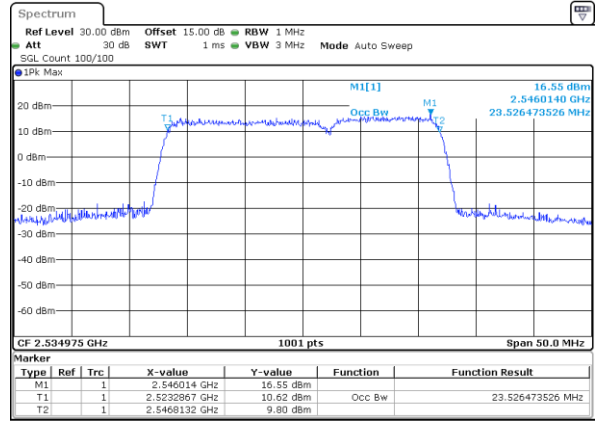
Lowest Channel / 15MHz+10MHz



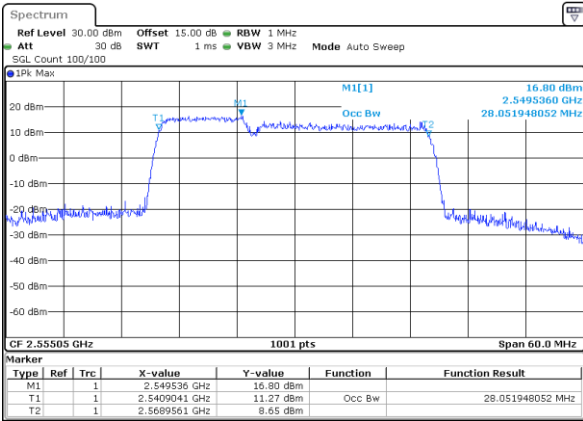
Middle Channel / 10MHz+20MHz



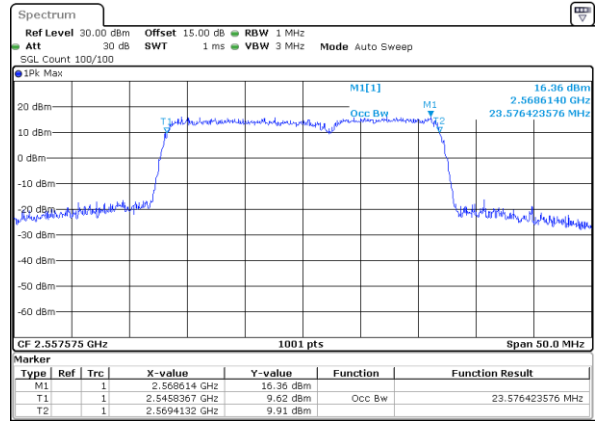
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

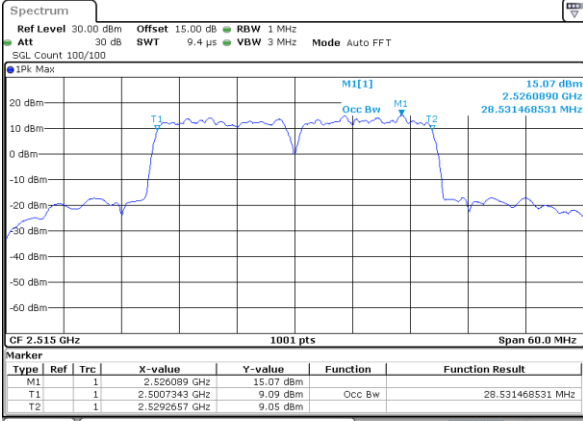




LTE Band 7C

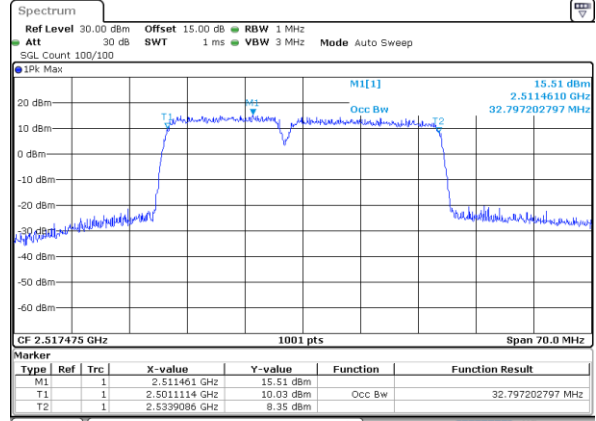
QPSK

Lowest Channel / 15MHz+15MHz



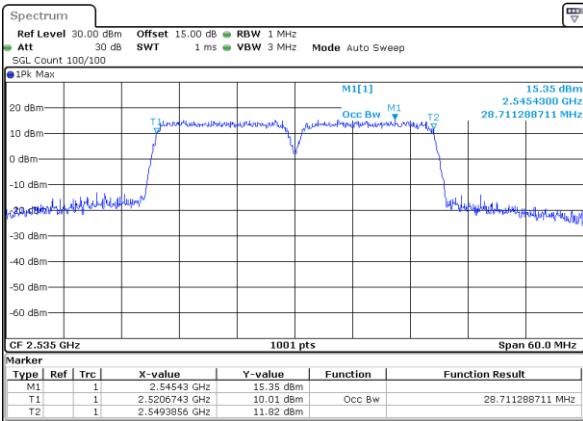
Date: 14 DEC 2022 16:13:57

Lowest Channel / 15MHz+20MHz



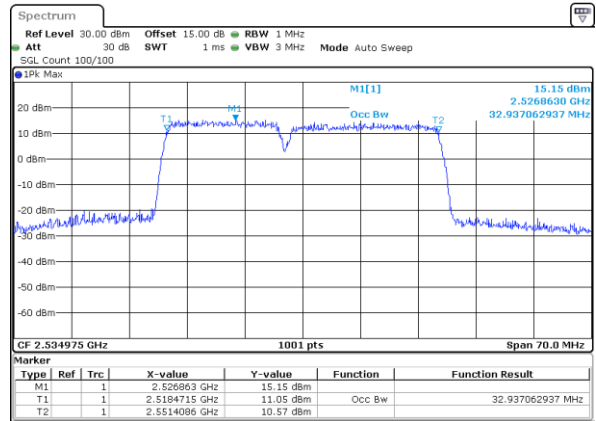
Date: 14 DEC 2022 21:13:03

Middle Channel / 15MHz+15MHz



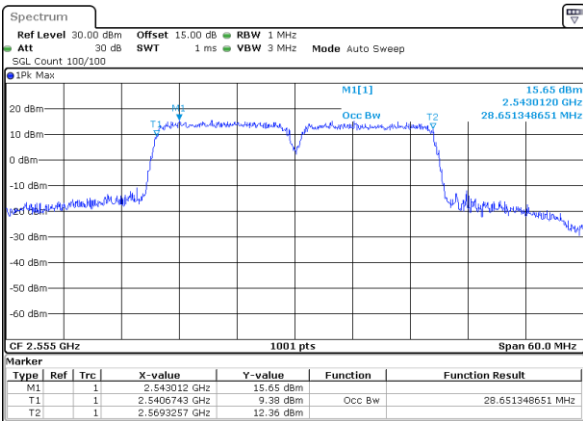
Date: 14 DEC 2022 18:04:52

Middle Channel / 15MHz+20MHz



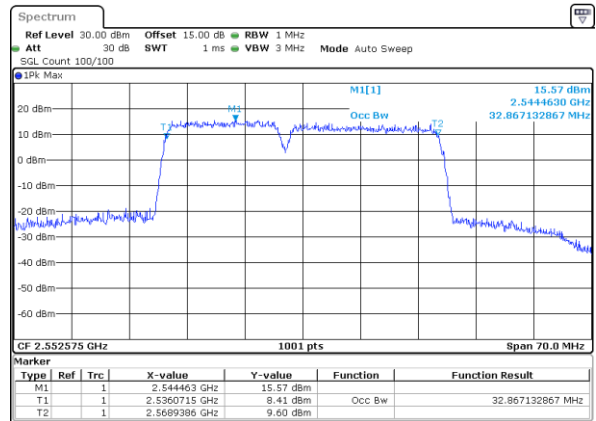
Date: 14 DEC 2022 21:38:55

Highest Channel / 15MHz+15MHz



Date: 14 DEC 2022 18:21:21

Highest Channel / 15MHz+20MHz



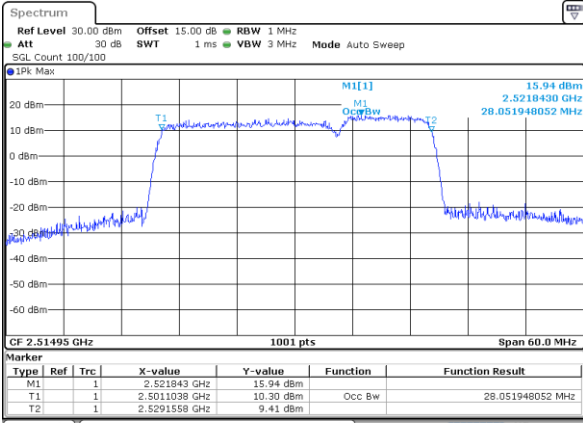
Date: 14 DEC 2022 21:55:38



LTE Band 7C

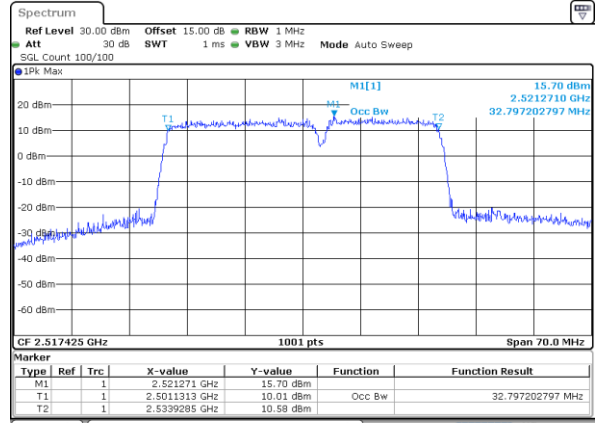
QPSK

Lowest Channel / 20MHz+10MHz



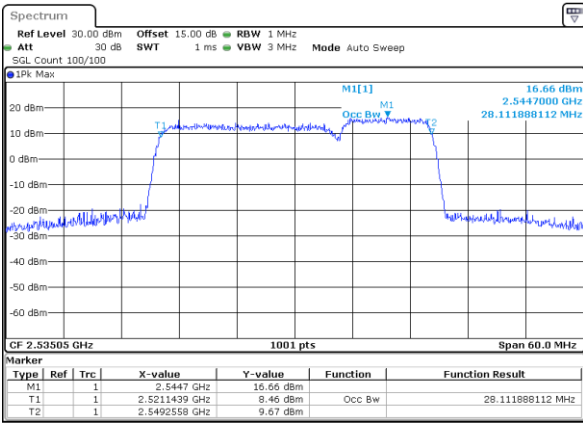
Date: 14 DEC 2022 20:00:01

Lowest Channel / 20MHz+15MHz



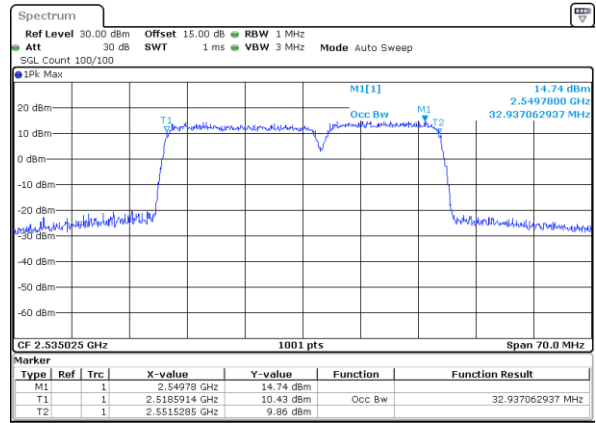
Date: 14 DEC 2022 18:52:19

Middle Channel / 20MHz+10MHz



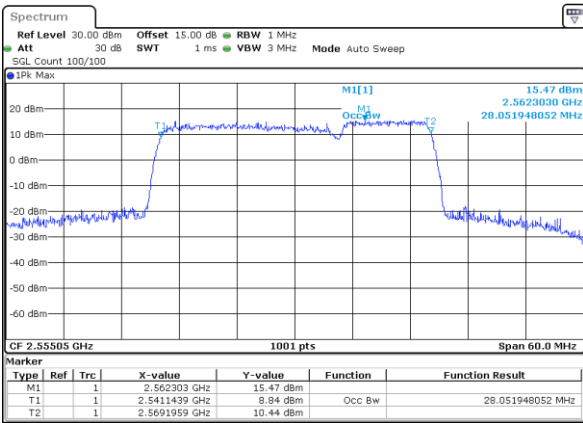
Date: 14 DEC 2022 20:25:32

Middle Channel / 20MHz+15MHz



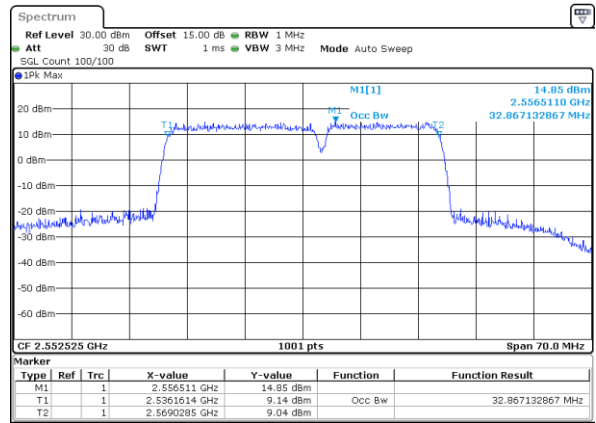
Date: 14 DEC 2022 19:17:44

Highest Channel / 20MHz+10MHz



Date: 14 DEC 2022 20:41:58

Highest Channel / 20MHz+15MHz



Date: 14 DEC 2022 19:34:11

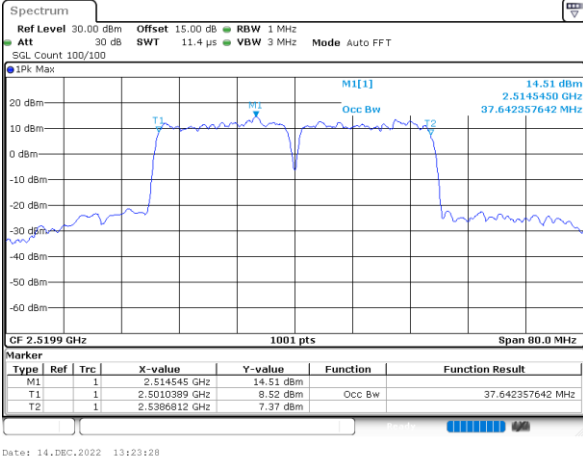


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

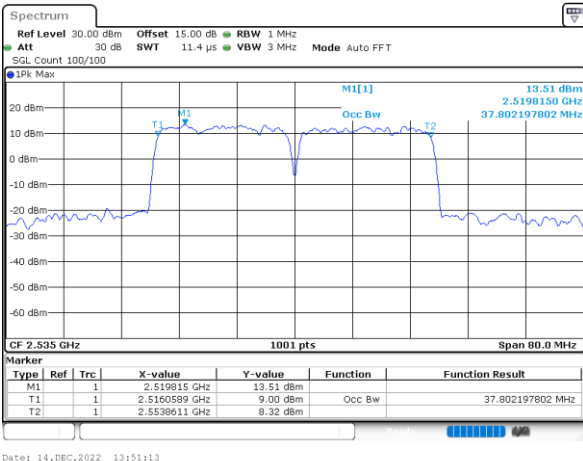
N/A



Date: 14, DEC, 2022 13:23:28

Middle Channel / 20MHz+20MHz

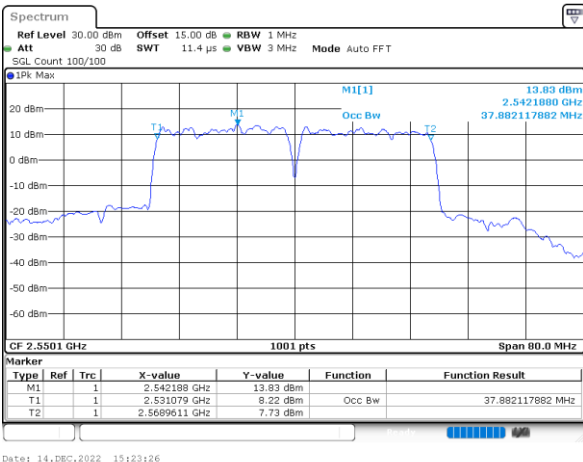
N/A



Date: 14, DEC, 2022 13:51:13

Highest Channel / 20MHz+20MHz

N/A



Date: 14, DEC, 2022 15:23:26

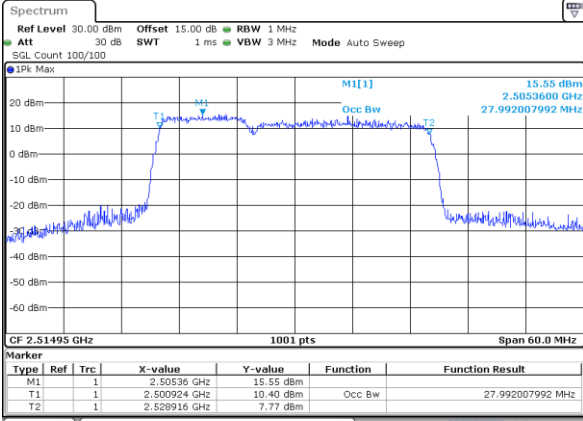




LTE Band 7C

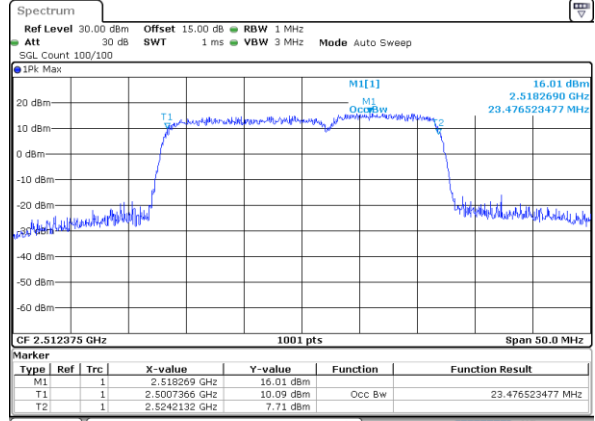
16QAM

Lowest Channel / 10MHz+20MHz



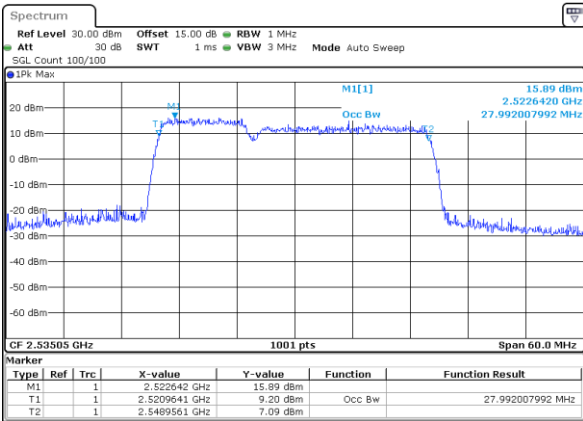
Date: 14 DEC 2022 23:39:57

Lowest Channel / 15MHz+10MHz



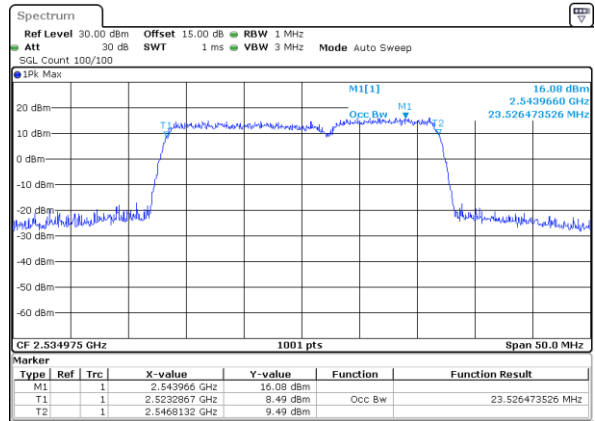
Date: 14 DEC 2022 22:23:18

Middle Channel / 10MHz+20MHz



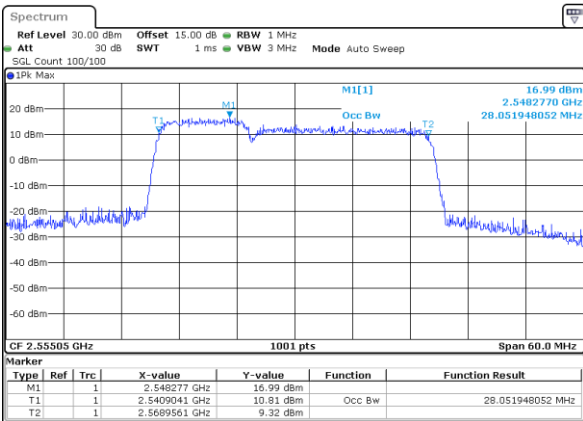
Date: 15 DEC 2022 00:05:48

Middle Channel / 15MHz+10MHz



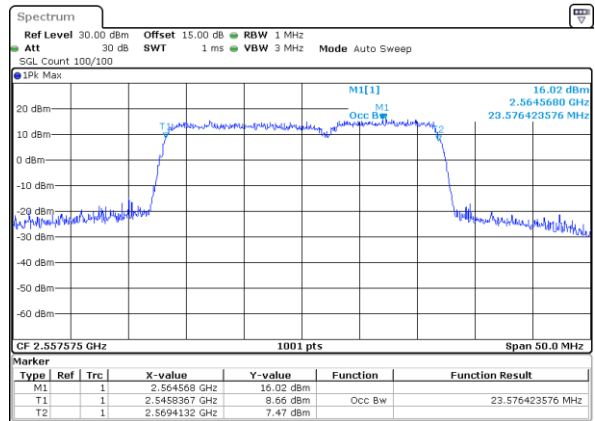
Date: 14 DEC 2022 22:49:12

Highest Channel / 10MHz+20MHz



Date: 15 DEC 2022 00:21:27

Highest Channel / 15MHz+10MHz



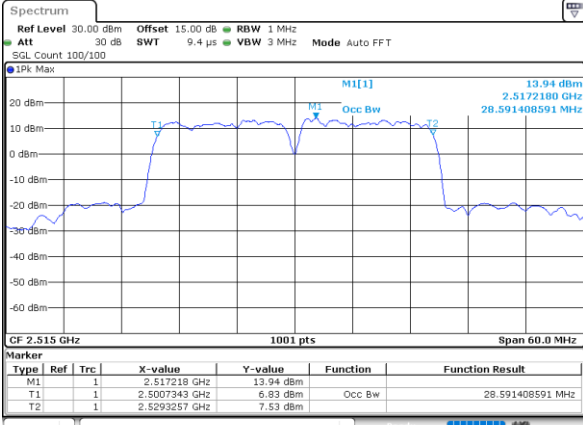
Date: 14 DEC 2022 23:04:51



LTE Band 7C

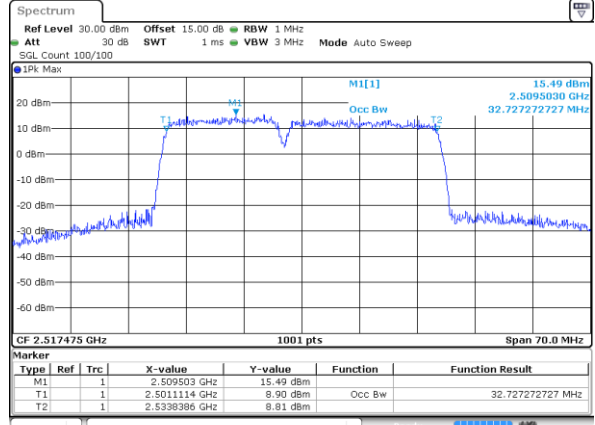
16QAM

Lowest Channel / 15MHz+15MHz



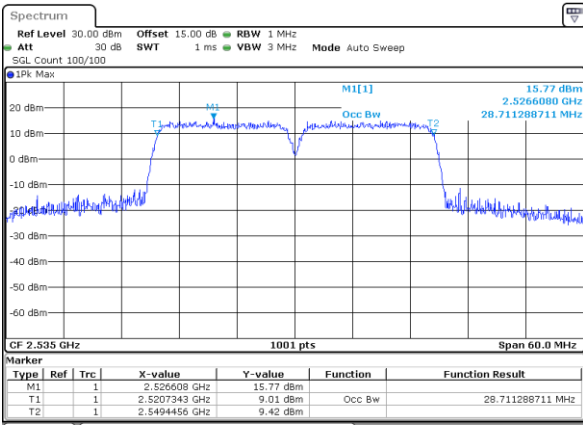
Date: 14.DEC.2022 16:14:29

Lowest Channel / 15MHz+20MHz



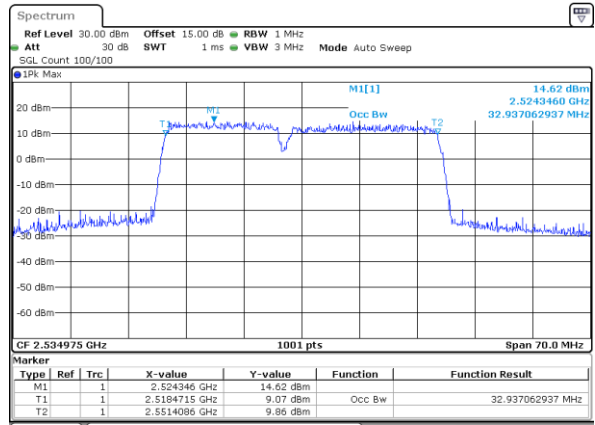
Date: 14 DEC 2022 21:13:36

Middle Channel / 15MHz+15MHz



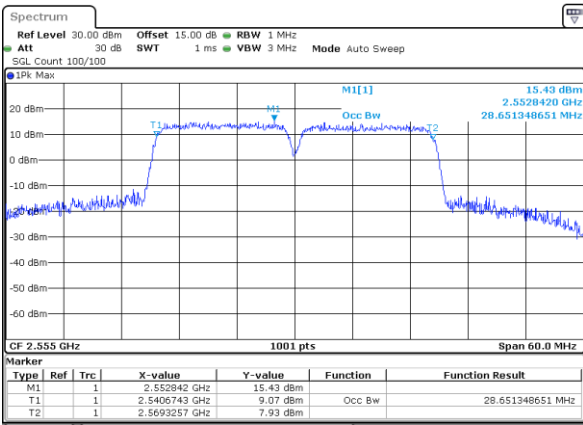
Date: 14.DEC.2022 18:05:25

Middle Channel / 15MHz+20MHz



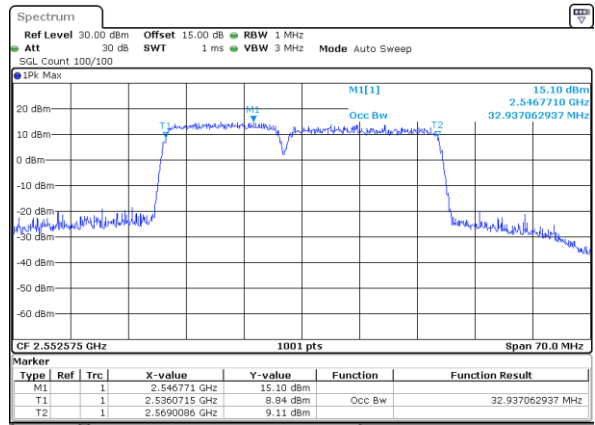
Date: 14 DEC 2022 21:39:28

Highest Channel / 15MHz+15MHz



Date: 14.DEC.2022 18:20:49

Highest Channel / 15MHz+20MHz



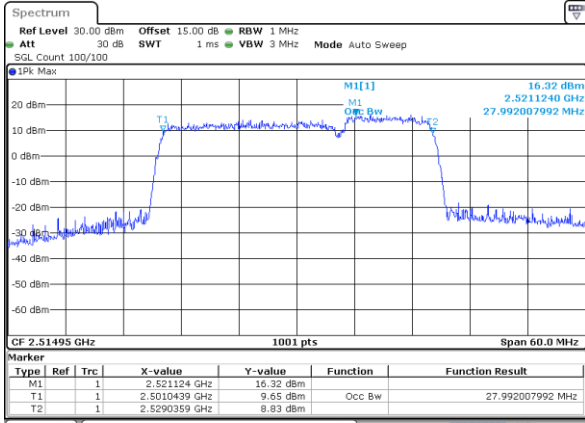
Date: 14 DEC 2022 21:55:06



LTE Band 7C

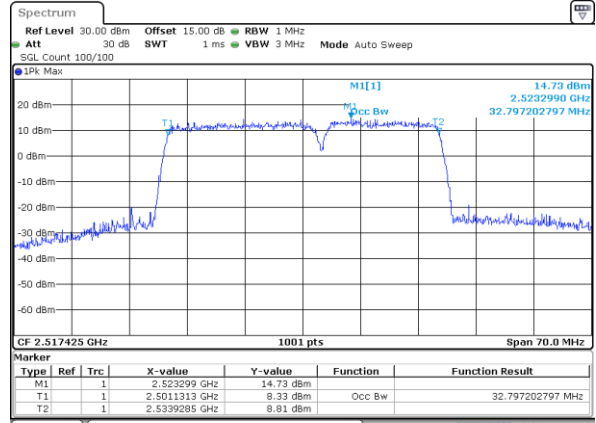
16QAM

Lowest Channel / 20MHz+10MHz



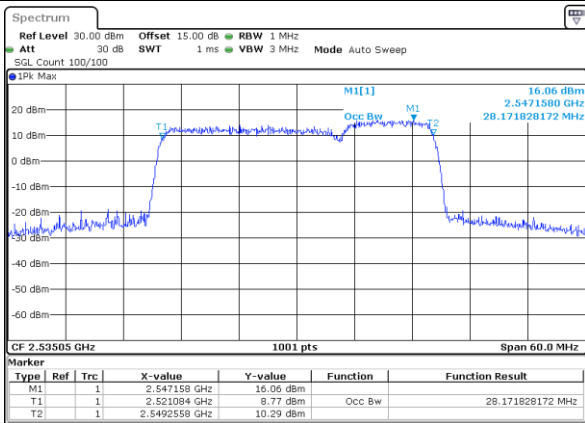
Date: 14 DEC 2022 20:00:34

Lowest Channel / 20MHz+15MHz



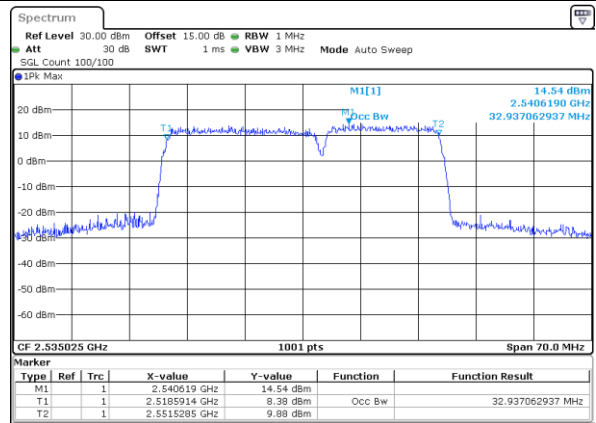
Date: 14 DEC 2022 18:52:50

Middle Channel / 20MHz+10MHz



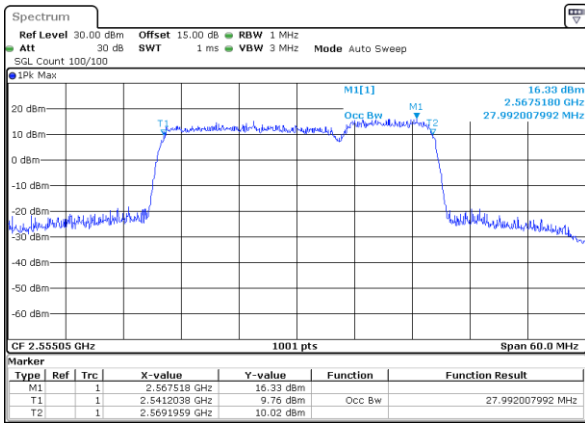
Date: 14 DEC 2022 20:26:04

Middle Channel / 20MHz+15MHz



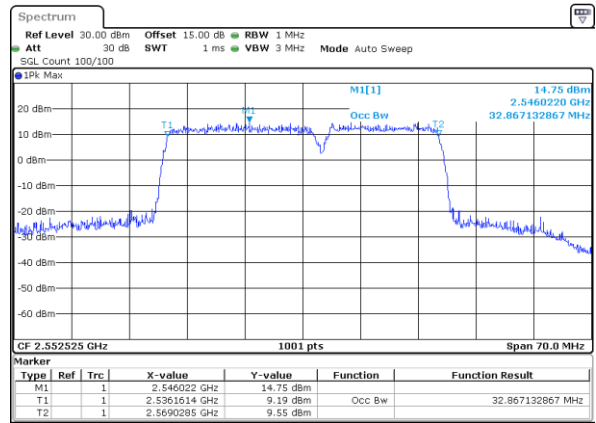
Date: 14 DEC 2022 19:18:16

Highest Channel / 20MHz+10MHz



Date: 14 DEC 2022 20:41:27

Highest Channel / 20MHz+15MHz



Date: 14 DEC 2022 19:33:39