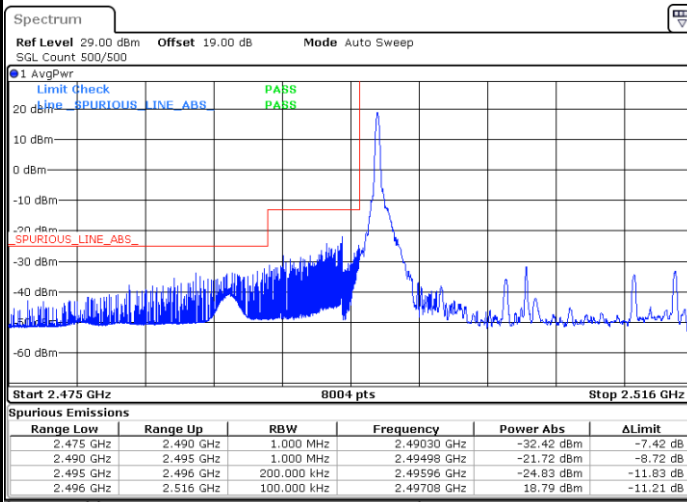




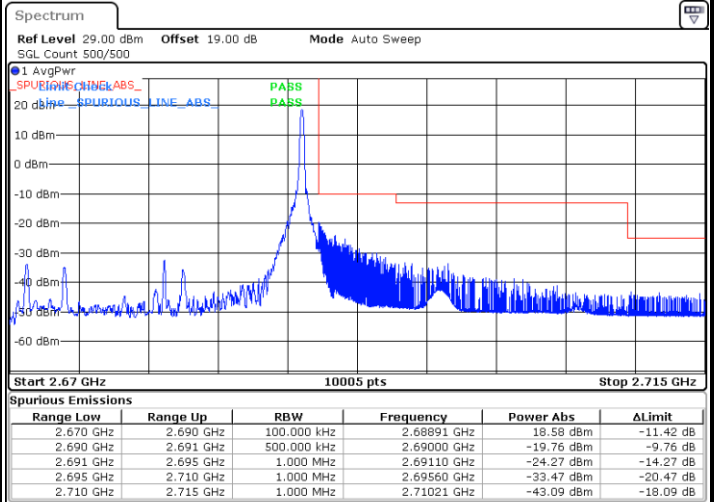
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



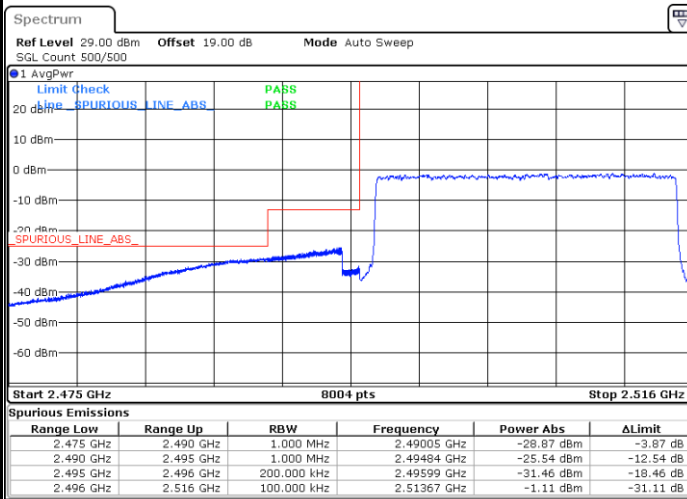
Date: 7 JUL 2022 10:03:48

Highest Band Edge / 1 RB



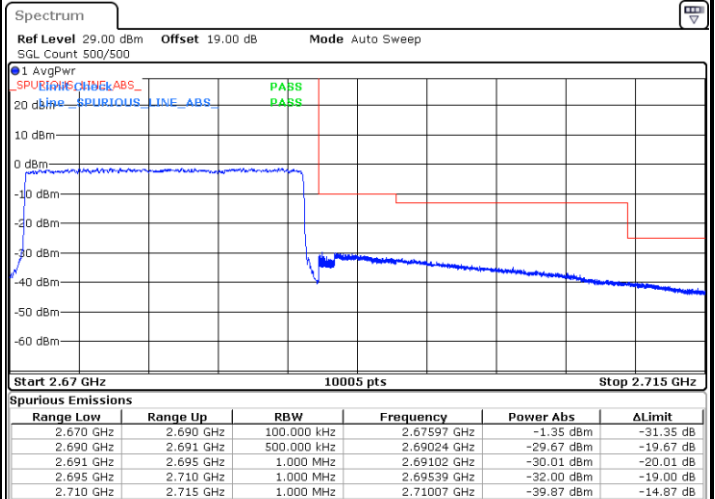
Date: 7 JUL 2022 10:09:40

Lowest Band Edge / Full RB



Date: 7 JUL 2022 10:06:44

Highest Band Edge / Full RB

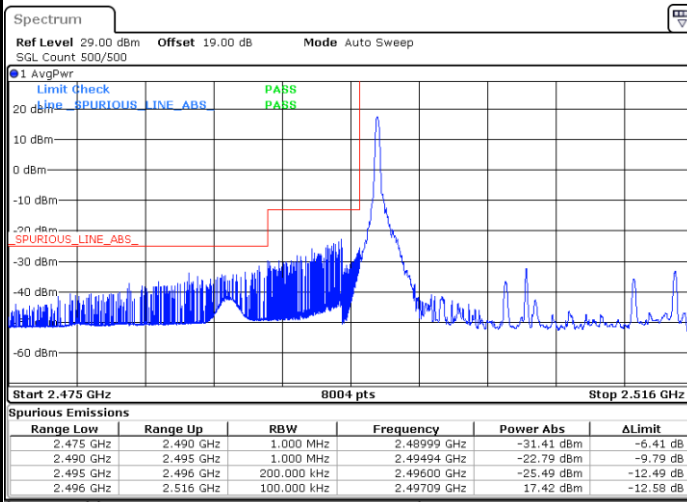


Date: 7 JUL 2022 10:11:07



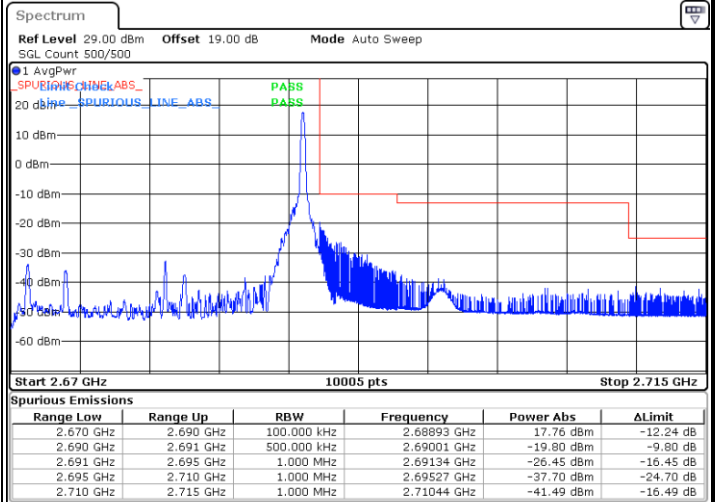
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



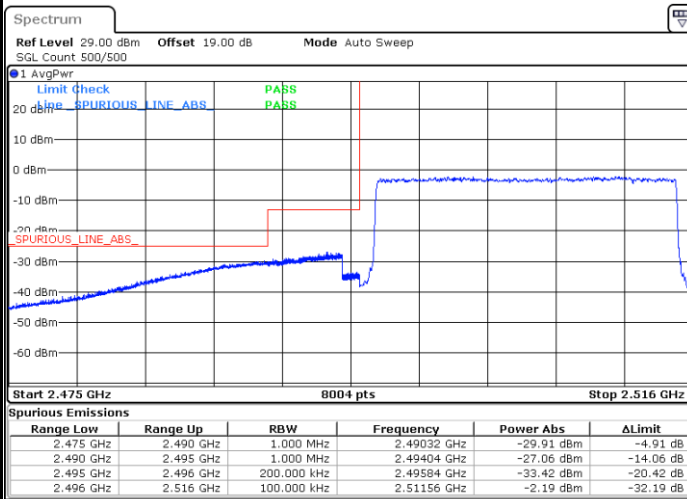
Date: 7 JUL 2022 11:04:44

Highest Band Edge / 1 RB



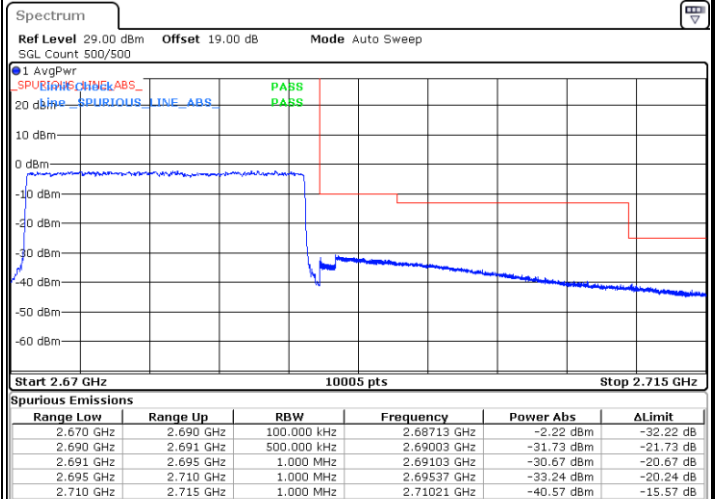
Date: 7 JUL 2022 11:07:40

Lowest Band Edge / Full RB



Date: 7 JUL 2022 11:06:12

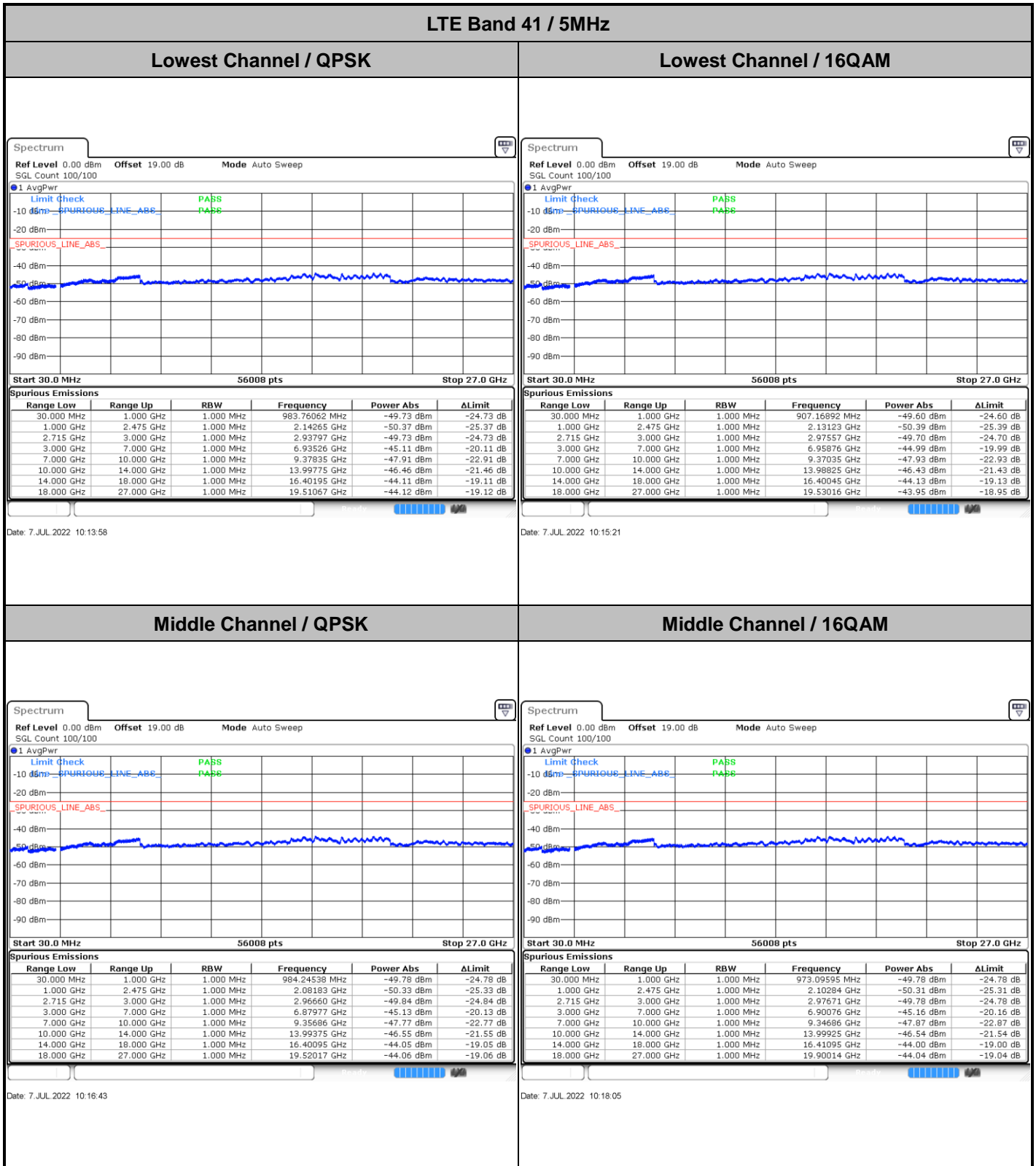
Highest Band Edge / Full RB



Date: 7 JUL 2022 11:09:07



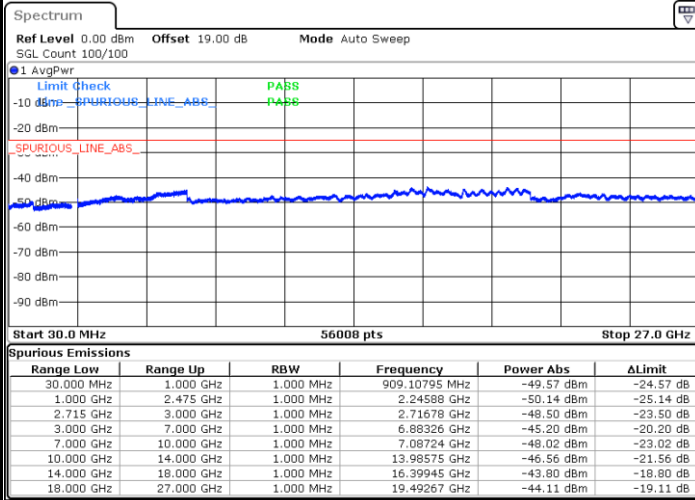
# Conducted Spurious Emission





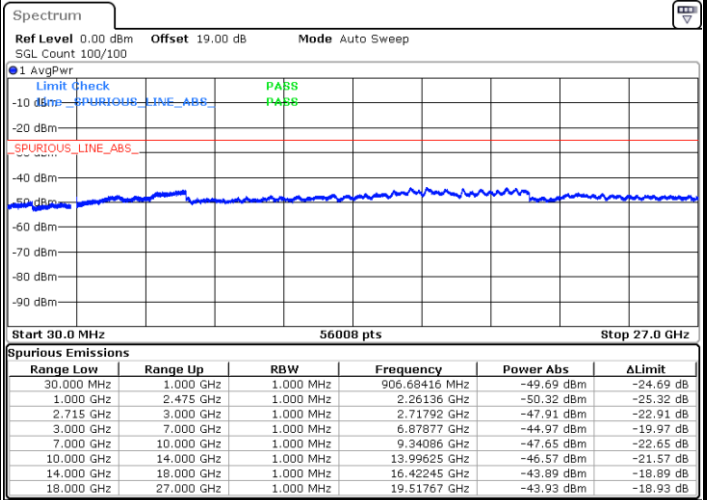
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 7 JUL 2022 10:19:27

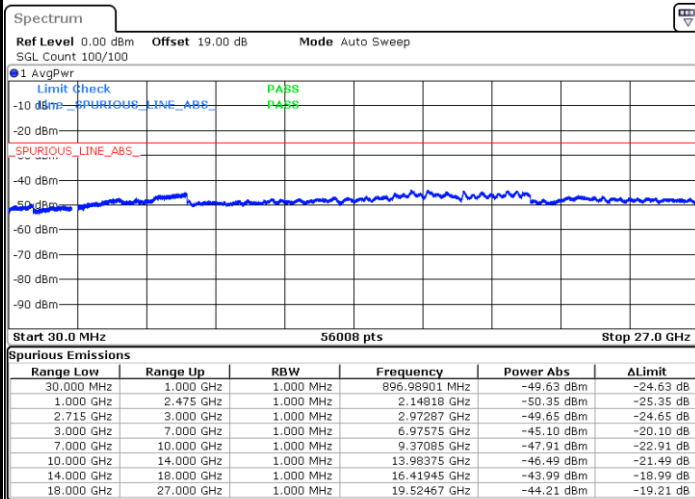
Highest Channel / 16QAM



Date: 7 JUL 2022 10:20:50

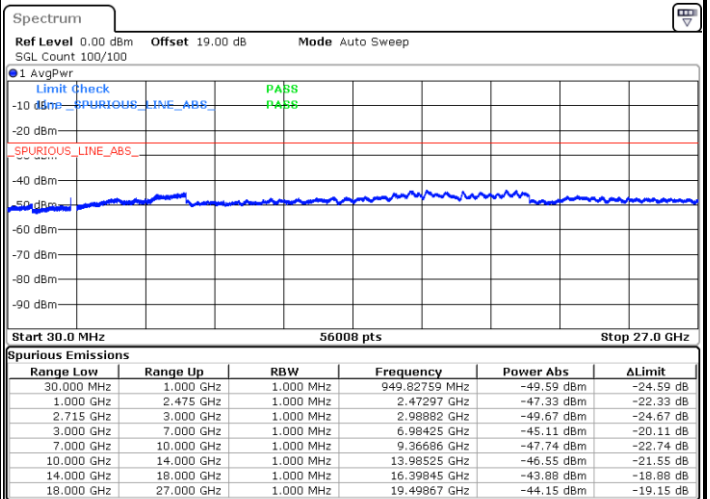
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 7 JUL 2022 10:22:13

Lowest Channel / 16QAM



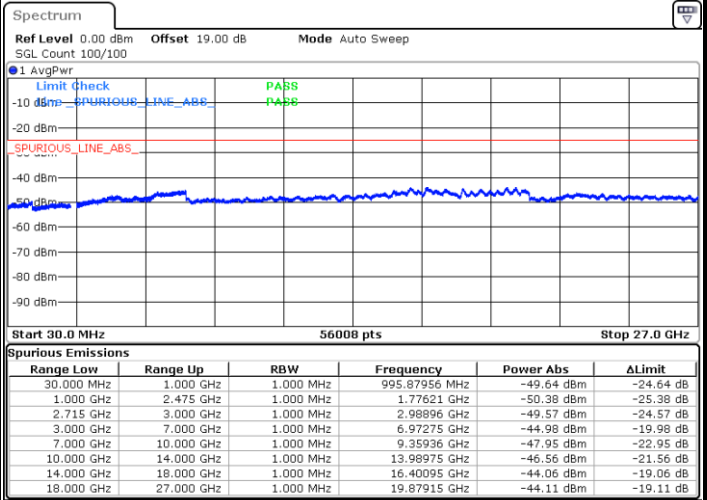
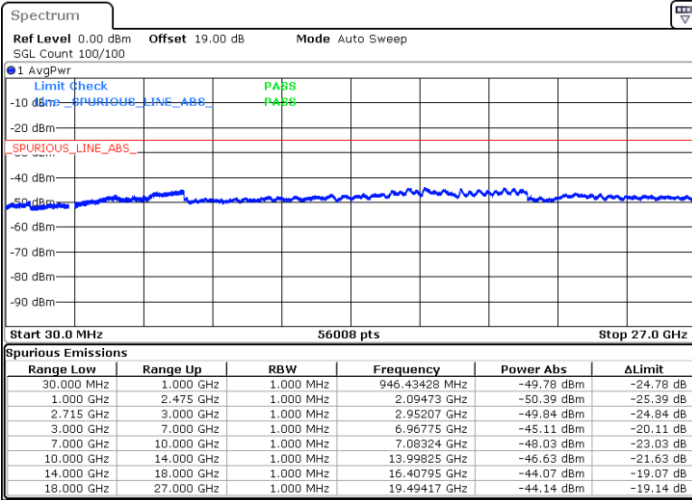
Date: 7 JUL 2022 10:23:36



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

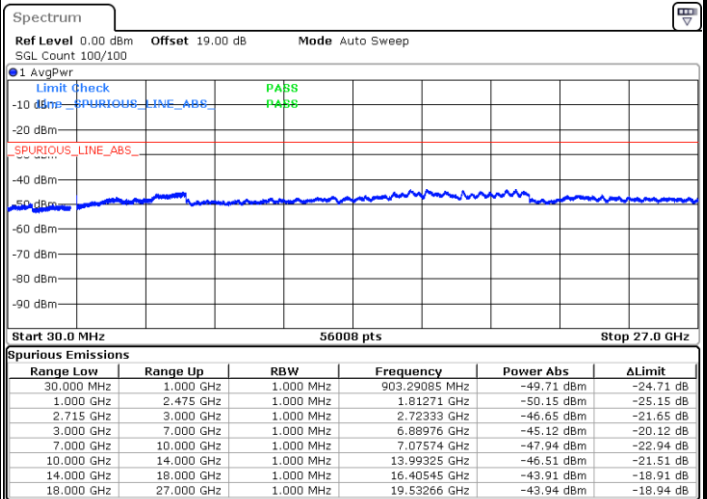
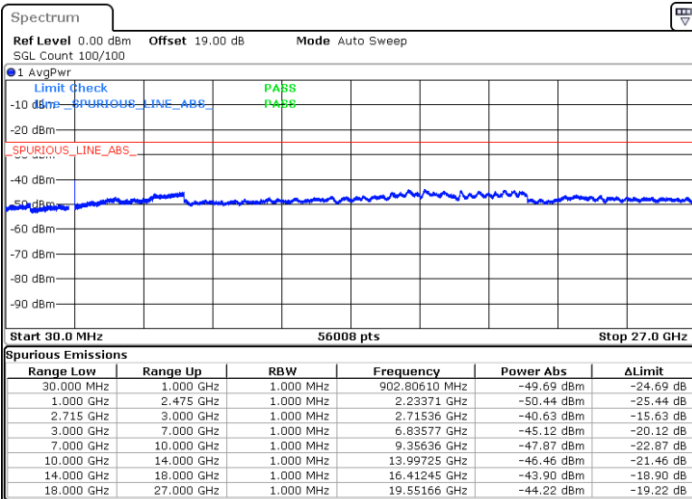


Date: 7 JUL 2022 10:24:58

Date: 7 JUL 2022 10:26:21

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7 JUL 2022 10:27:43

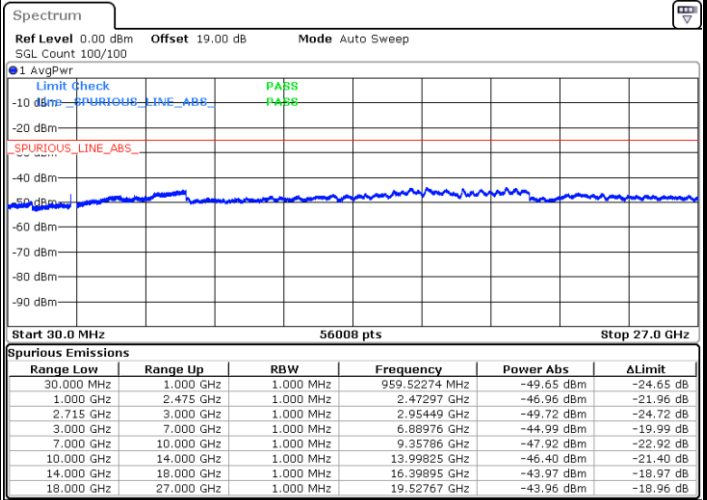
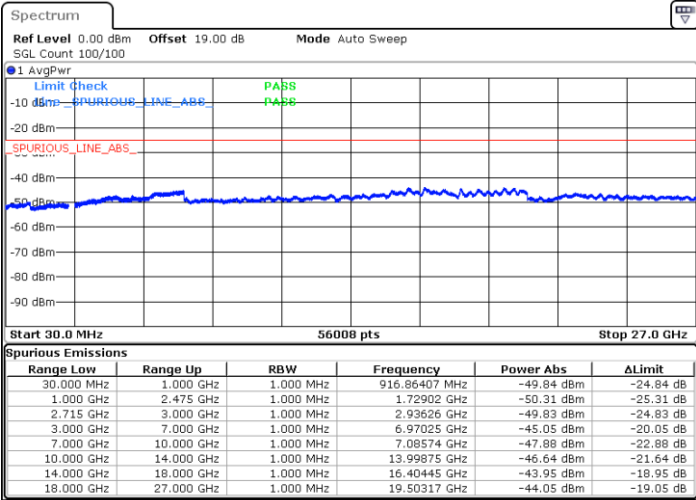
Date: 7 JUL 2022 10:29:06



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

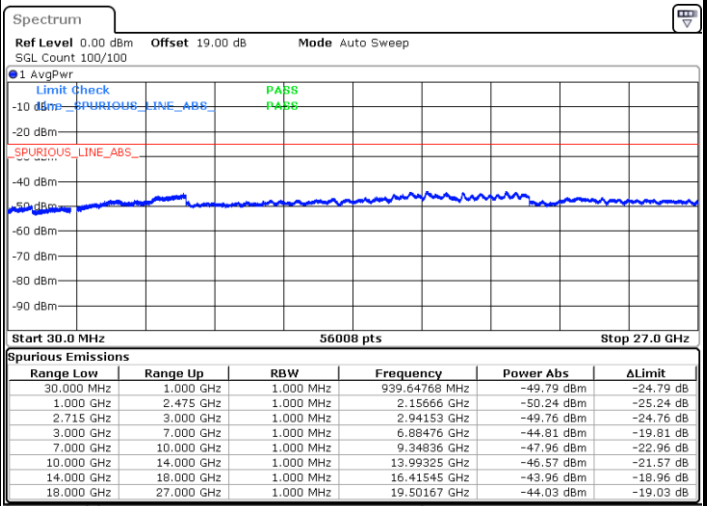
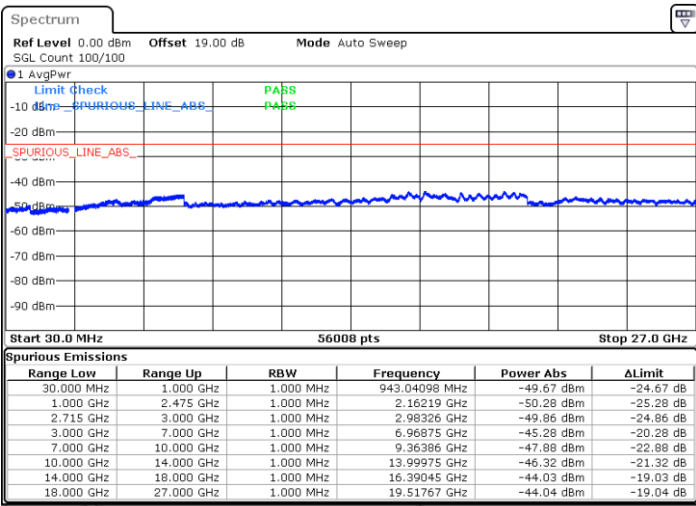


Date: 7 JUL 2022 10:30:29

Date: 7 JUL 2022 10:31:51

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7 JUL 2022 10:33:14

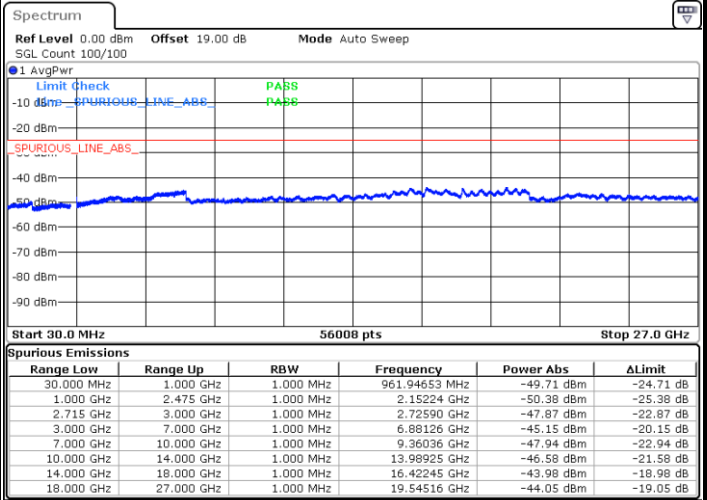
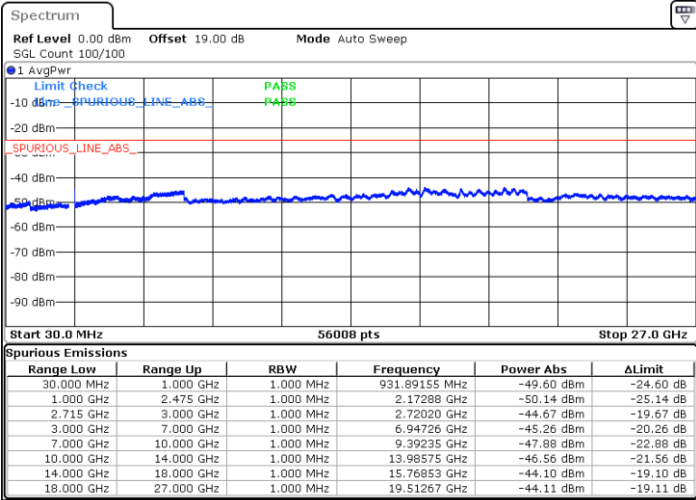
Date: 7 JUL 2022 10:34:36



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



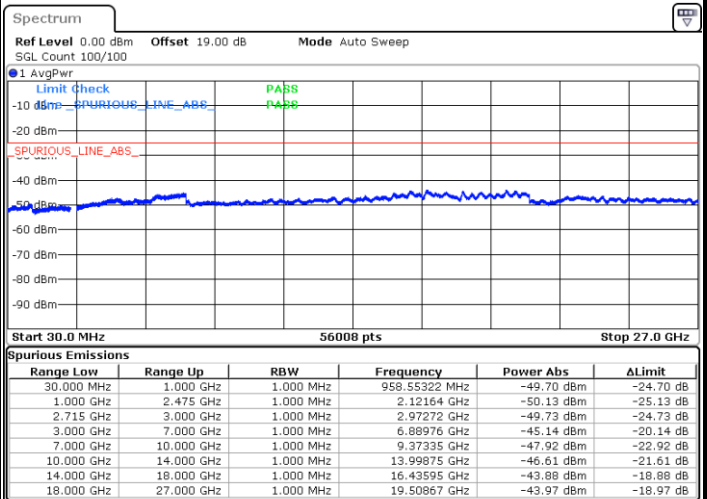
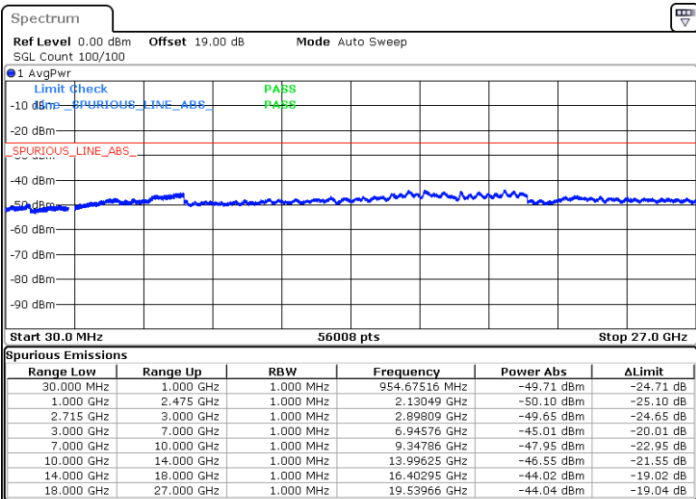
Date: 7 JUL 2022 10:35:58

Date: 7 JUL 2022 10:37:21

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7 JUL 2022 10:38:44

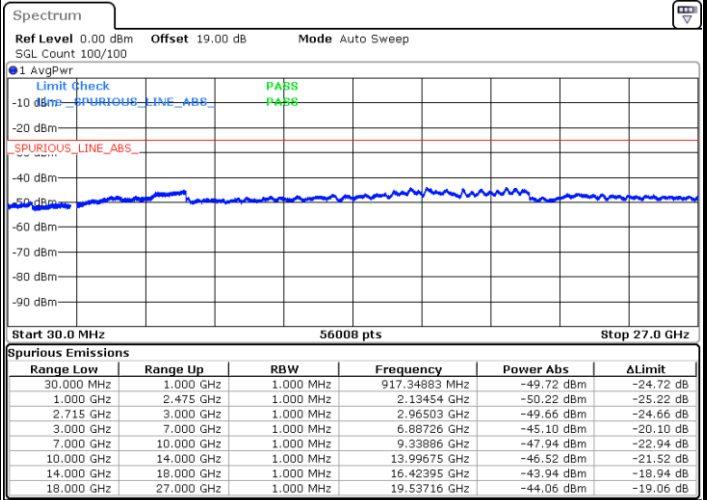
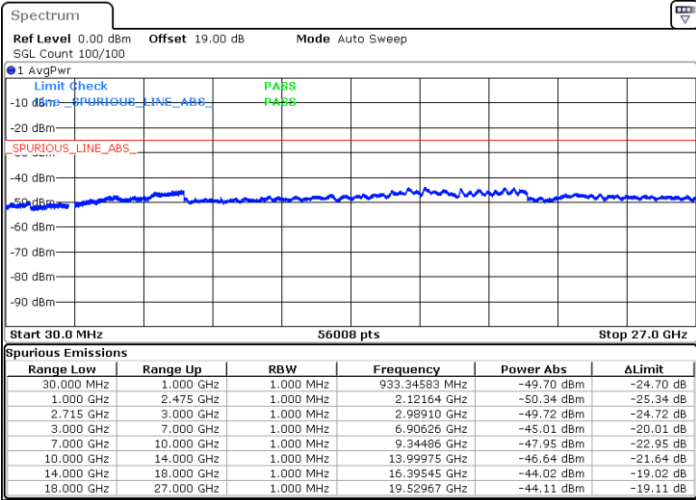
Date: 7 JUL 2022 10:40:07



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

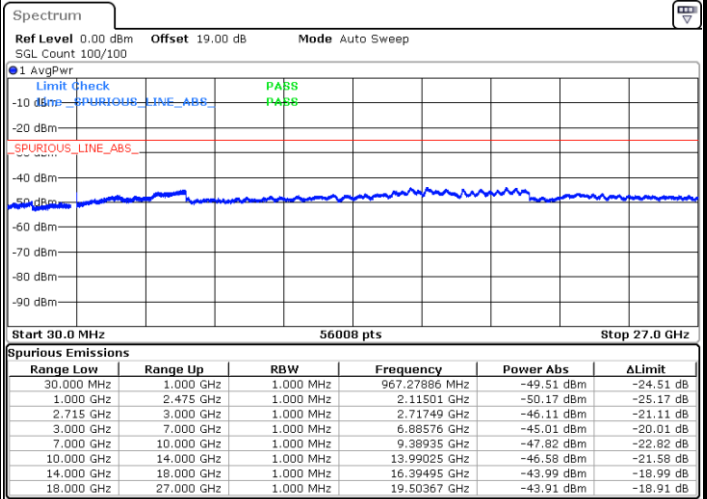
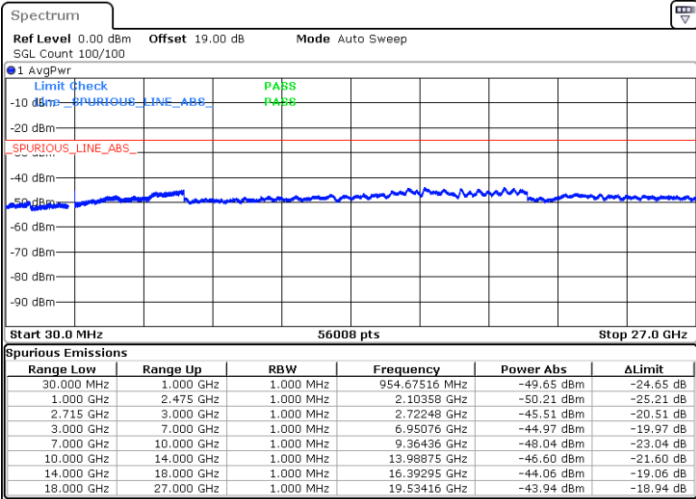


Date: 7.JUL.2022 10:41:29

Date: 7.JUL.2022 10:42:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.JUL.2022 10:44:13

Date: 7.JUL.2022 10:45:36

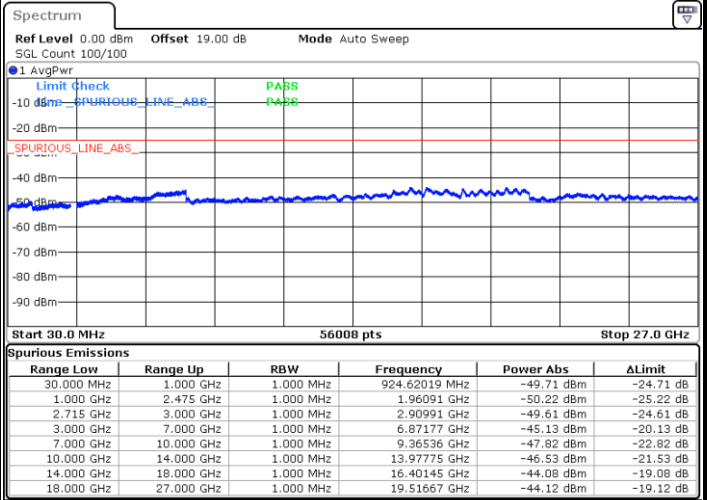
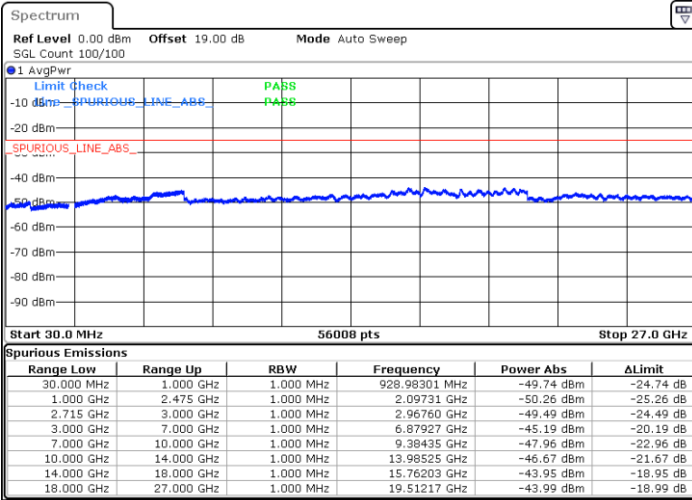




LTE Band 41 / 5MHz

Lowest Channel / 64QAM

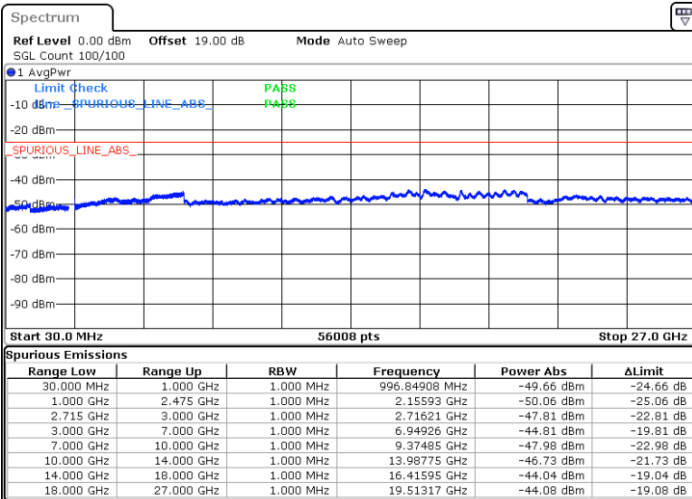
Middle Channel / 64QAM



Date: 7.JUL.2022 11:10:30

Date: 7.JUL.2022 11:11:53

Highest Channel / 64QAM



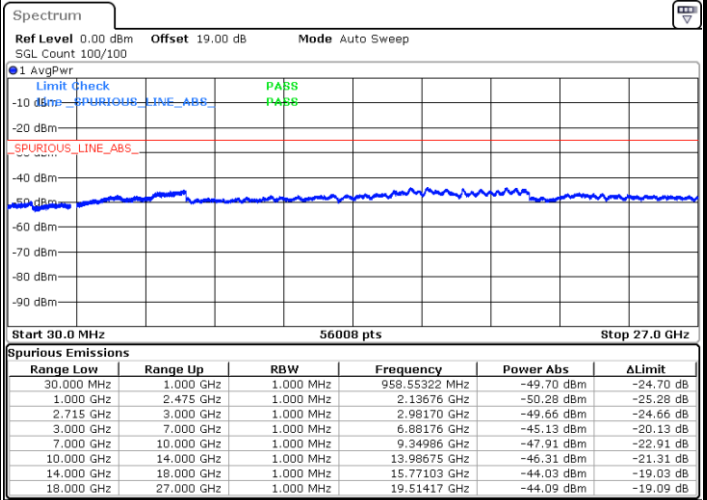
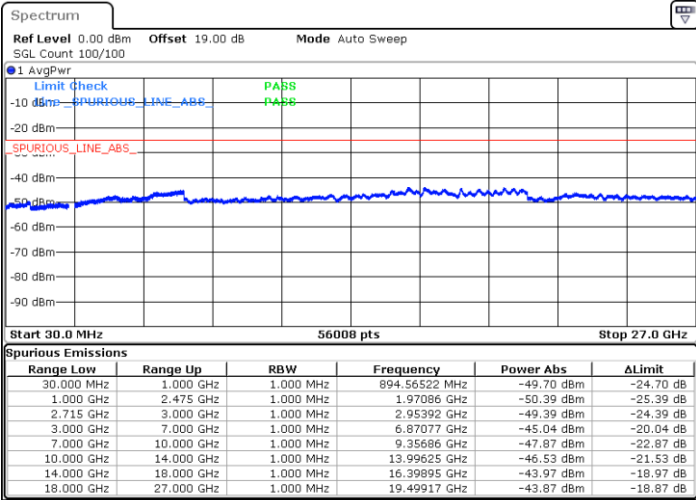
Date: 7.JUL.2022 11:13:15



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

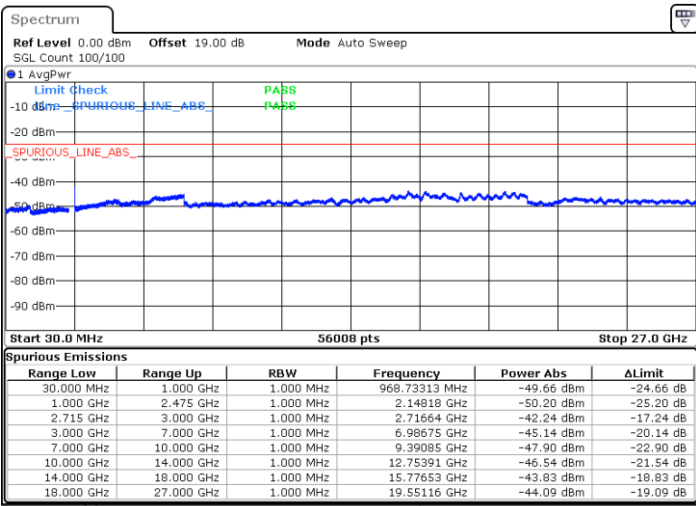
Middle Channel / 64QAM



Date: 7 JUL 2022 11:14:39

Date: 7 JUL 2022 11:16:01

Highest Channel / 64QAM



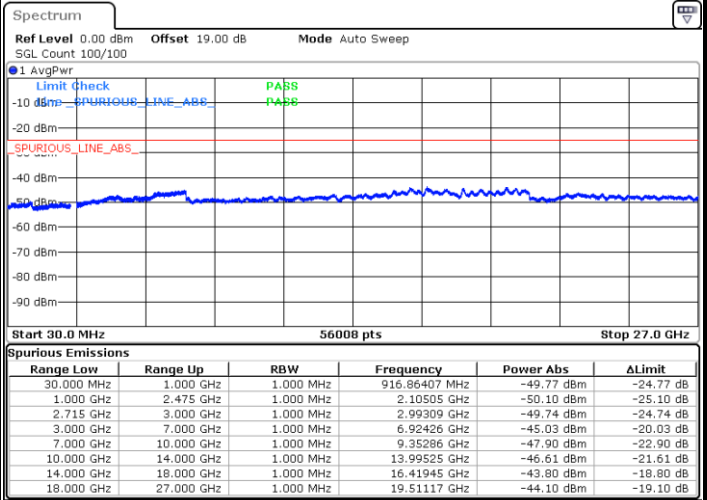
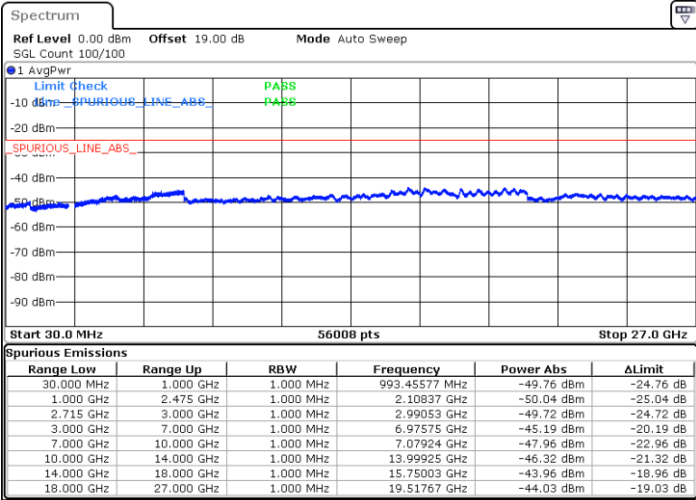
Date: 7 JUL 2022 11:17:23



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

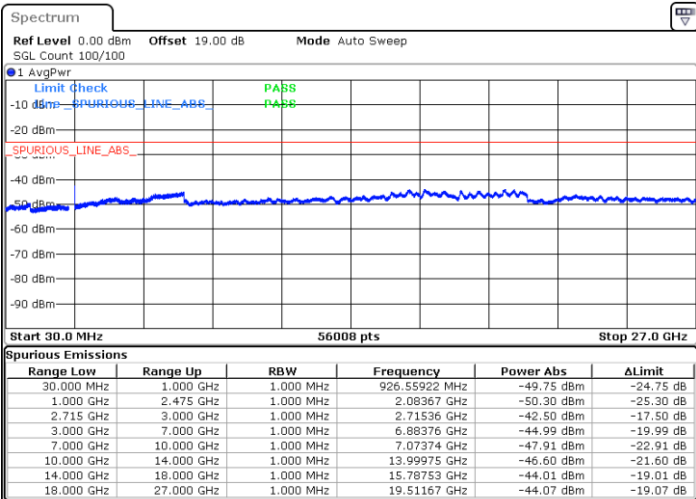
Middle Channel / 64QAM



Date: 7 JUL 2022 11:18:46

Date: 7 JUL 2022 11:20:09

Highest Channel / 64QAM



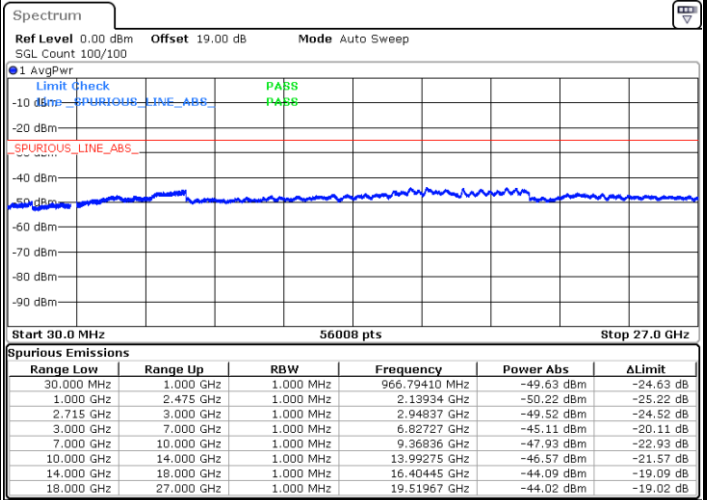
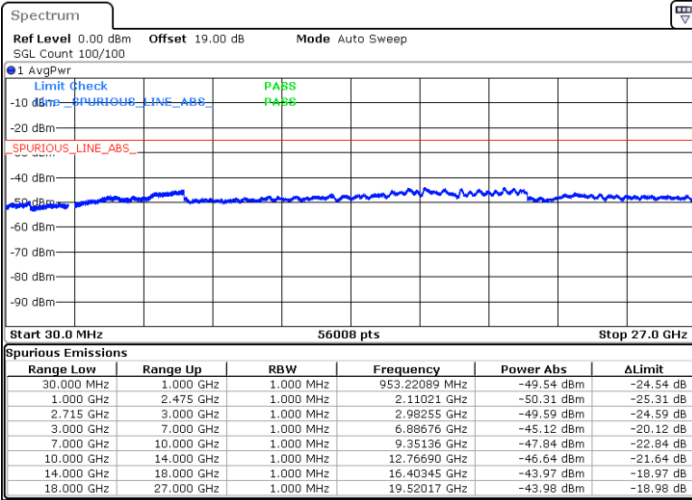
Date: 7 JUL 2022 11:21:31



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

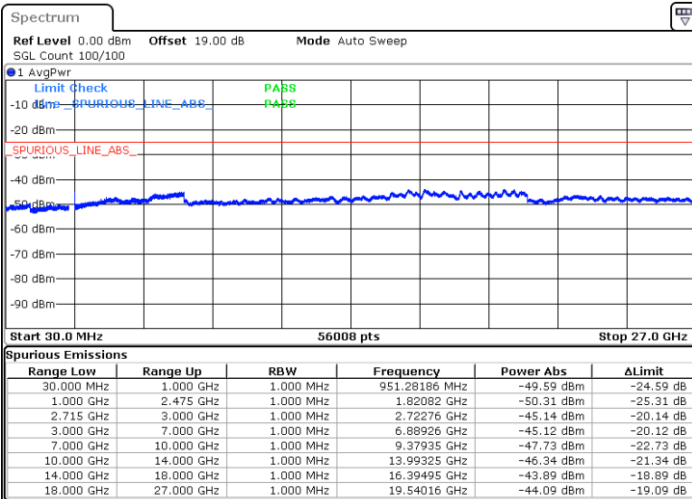
Middle Channel / 64QAM



Date: 7 JUL 2022 11:22:55

Date: 7 JUL 2022 11:24:17

Highest Channel / 64QAM



Date: 7 JUL 2022 11:25:39



### 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	0.0008	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

**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	30.15	25.43	30.75	34.97
Middle CH	30.03	25.33	30.75	35.04
Highest CH	30.15	25.38	30.81	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.11	40.28	-
Middle CH	30.09	34.90	39.80	-
Highest CH	30.09	35.04	40.04	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.43	30.75	34.97
Middle CH	30.03	25.23	30.69	34.90
Highest CH	30.03	25.33	30.75	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.04	40.04	-
Middle CH	30.09	35.04	39.80	-
Highest CH	30.09	35.11	40.04	-

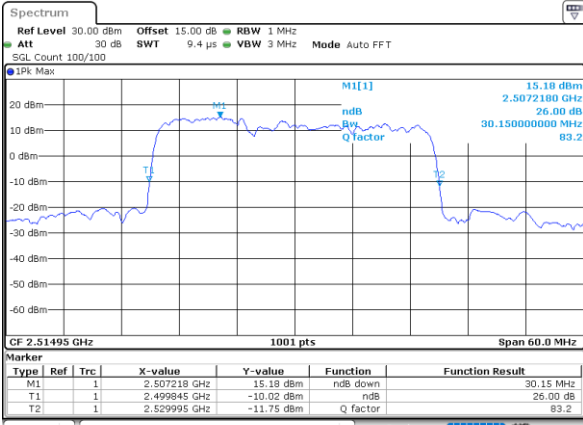
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	30.09	25.28	30.87	34.83
Middle CH	29.97	25.28	30.69	34.97
Highest CH	30.15	25.38	30.75	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.97	40.04	-
Middle CH	29.91	34.97	40.04	-
Highest CH	30.03	35.18	39.96	-



LTE Band 7C

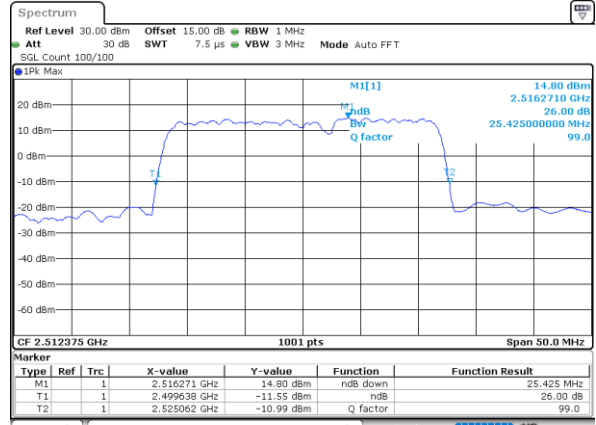
QPSK

Lowest Channel / 10MHz+20MHz



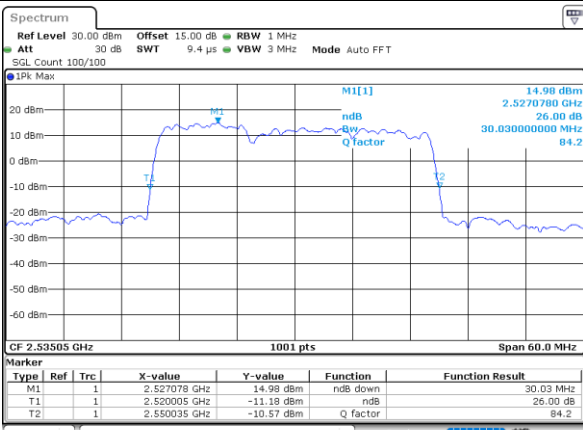
Date: 13, JUL, 2022 23:45:26

Lowest Channel / 15MHz+10MHz



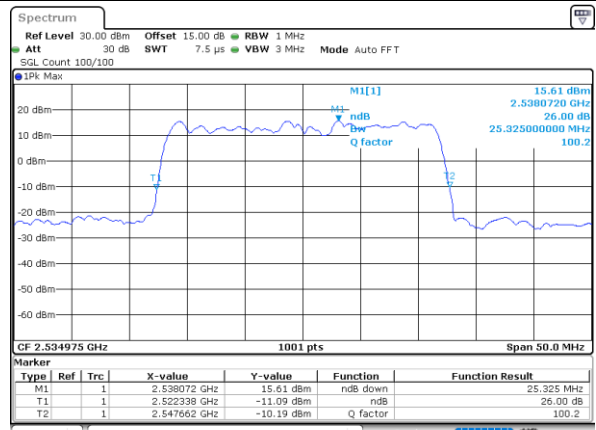
Date: 14, JUL, 2022 16:30:56

Middle Channel / 10MHz+20MHz



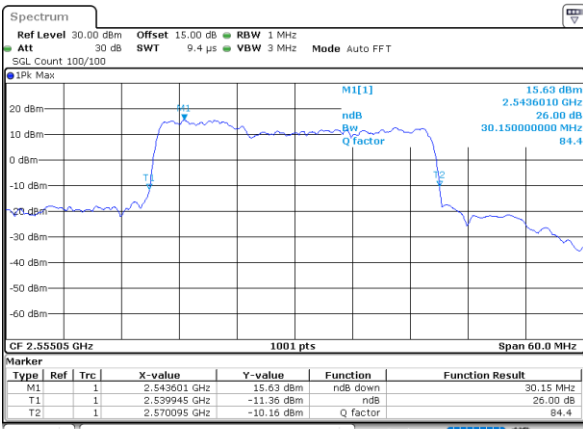
Date: 14, JUL, 2022 00:27:50

Middle Channel / 15MHz+10MHz



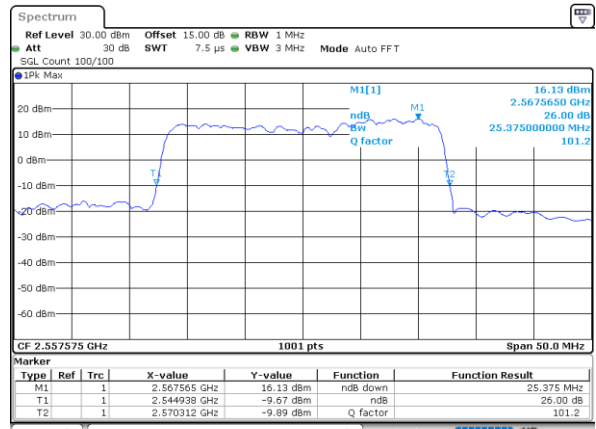
Date: 14, JUL, 2022 17:10:53

Highest Channel / 10MHz+20MHz



Date: 14, JUL, 2022 00:44:20

Highest Channel / 15MHz+10MHz



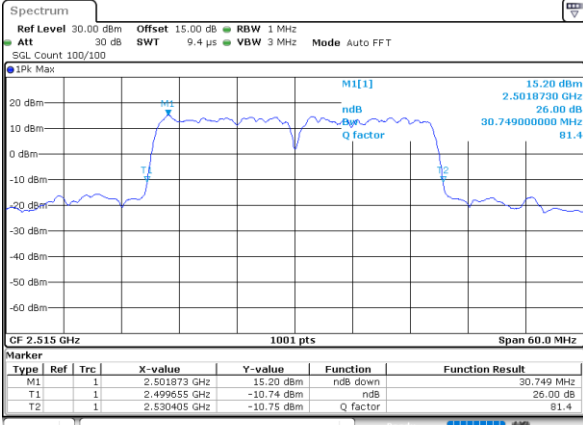
Date: 14, JUL, 2022 17:17:51



LTE Band 7C

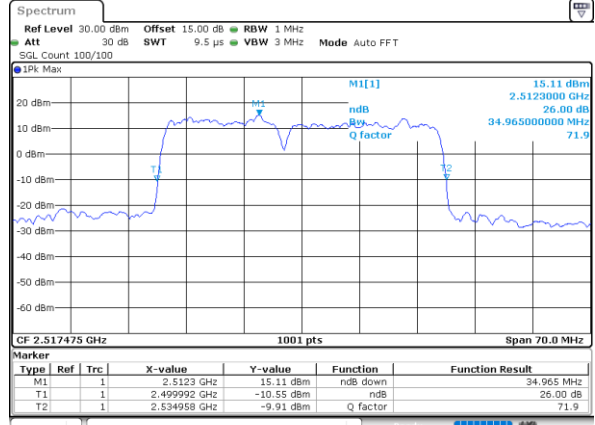
QPSK

Lowest Channel / 15MHz+15MHz



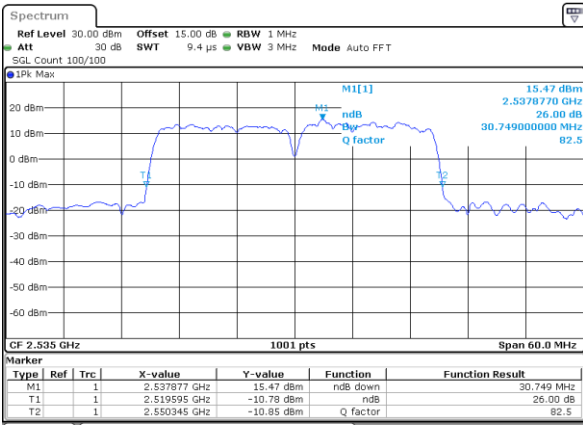
Date: 14.JUL.2022 09:57:26

Lowest Channel / 15MHz+20MHz



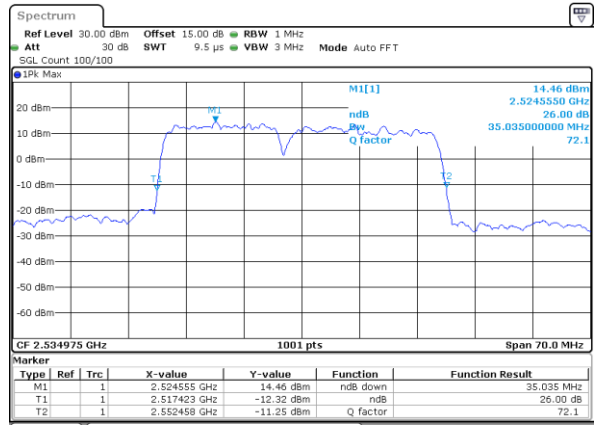
Date: 14.JUL.2022 11:16:32

Middle Channel / 15MHz+15MHz



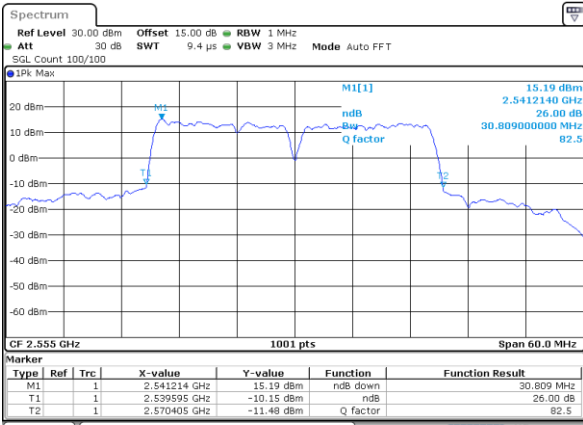
Date: 14.JUL.2022 10:30:38

Middle Channel / 15MHz+20MHz



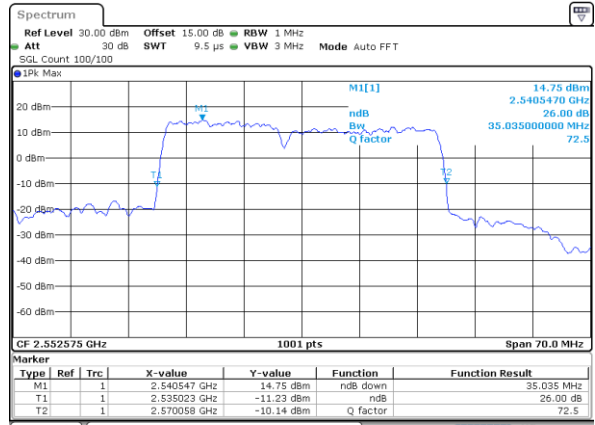
Date: 14.JUL.2022 12:11:43

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 10:48:11

Highest Channel / 15MHz+20MHz



Date: 14.JUL.2022 12:28:01

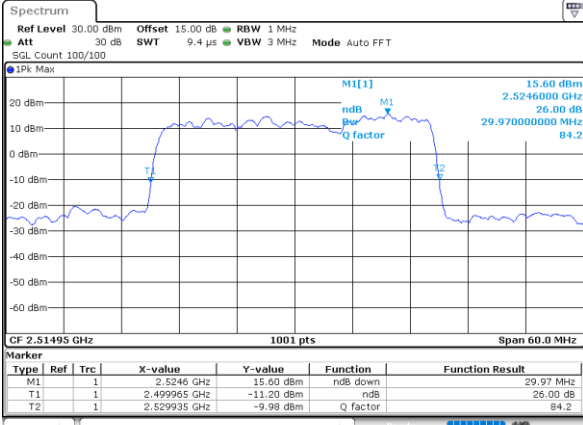




LTE Band 7C

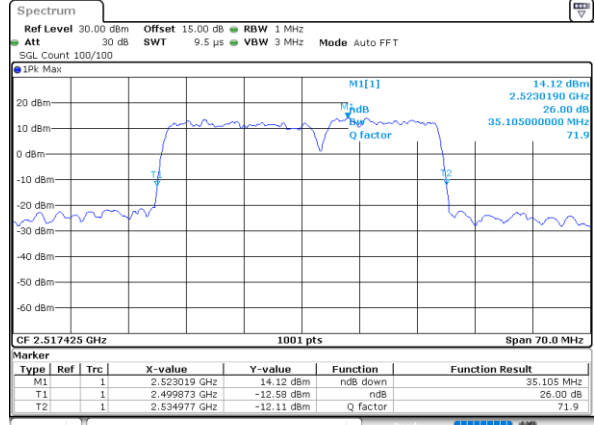
QPSK

Lowest Channel / 20MHz+10MHz



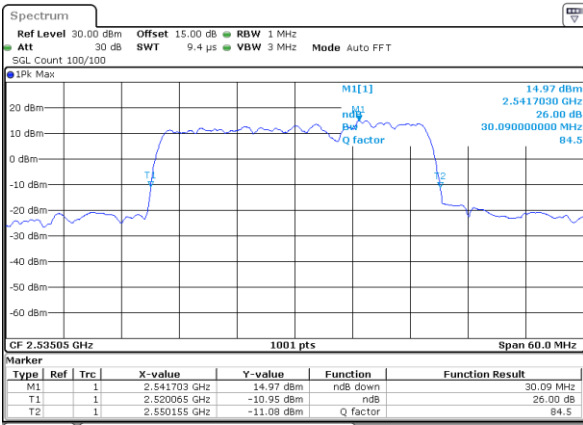
Date: 14.JUL.2022 01:23:15

Lowest Channel / 20MHz+15MHz



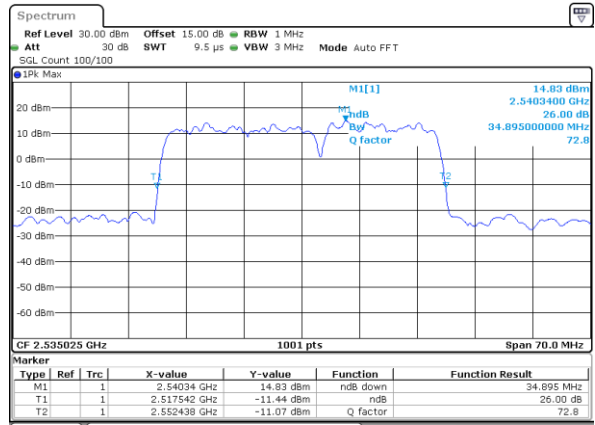
Date: 14.JUL.2022 13:48:16

Middle Channel / 20MHz+10MHz



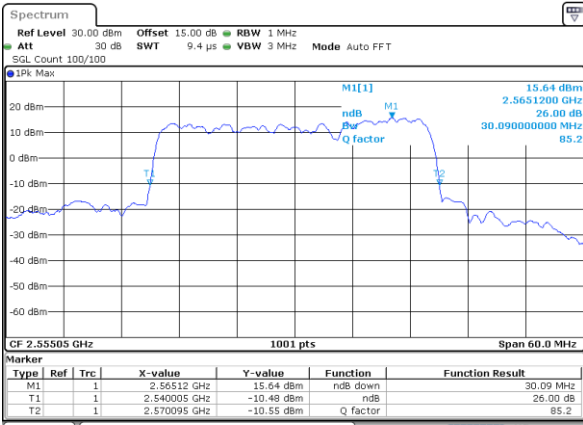
Date: 14.JUL.2022 01:56:21

Middle Channel / 20MHz+15MHz



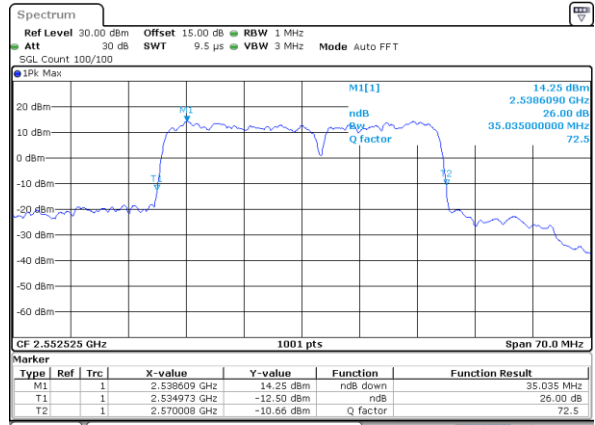
Date: 14.JUL.2022 14:19:15

Highest Channel / 20MHz+10MHz



Date: 14.JUL.2022 17:57:04

Highest Channel / 20MHz+15MHz



Date: 14.JUL.2022 14:35:17

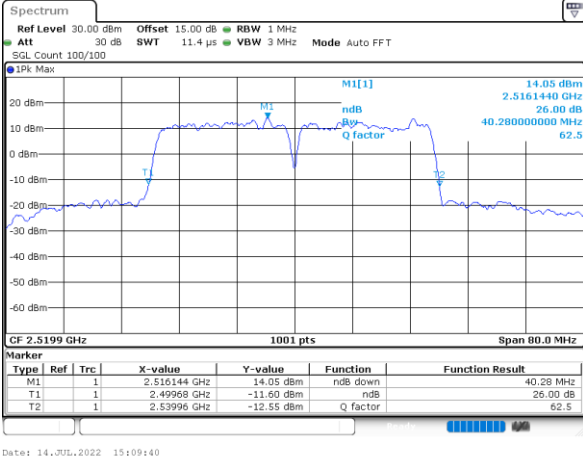


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

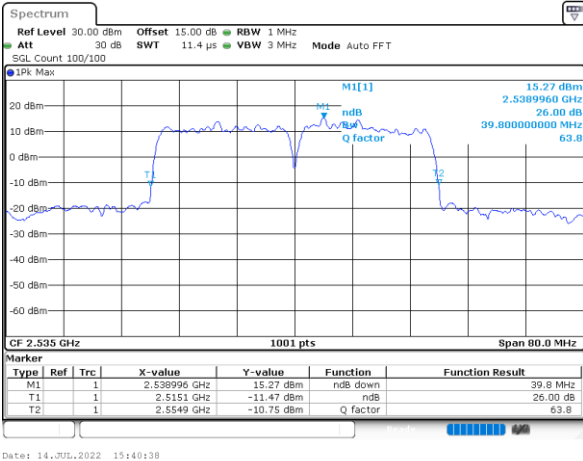
N/A



Date: 14..JUL..2022 15:09:40

Middle Channel / 20MHz+20MHz

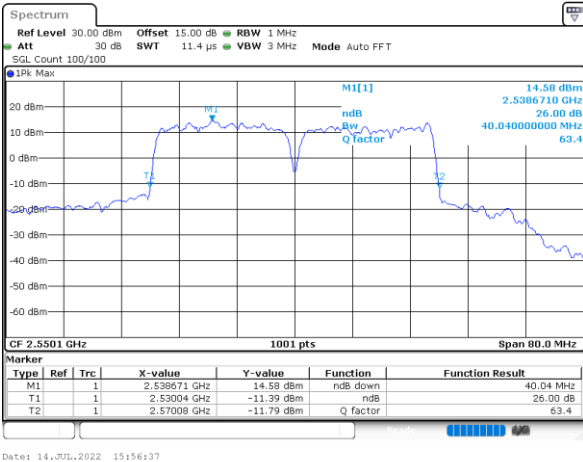
N/A



Date: 14..JUL..2022 15:40:38

Highest Channel / 20MHz+20MHz

N/A



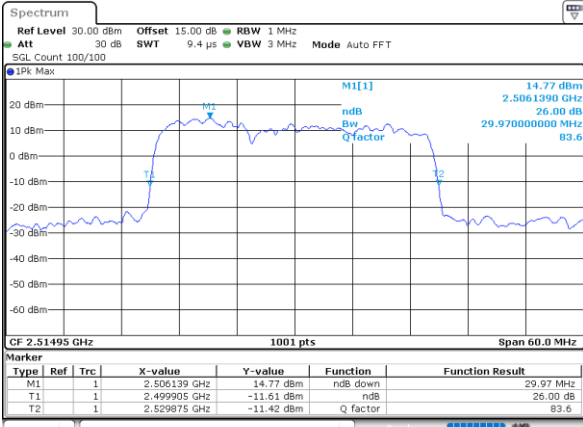
Date: 14..JUL..2022 15:56:37



LTE Band 7C

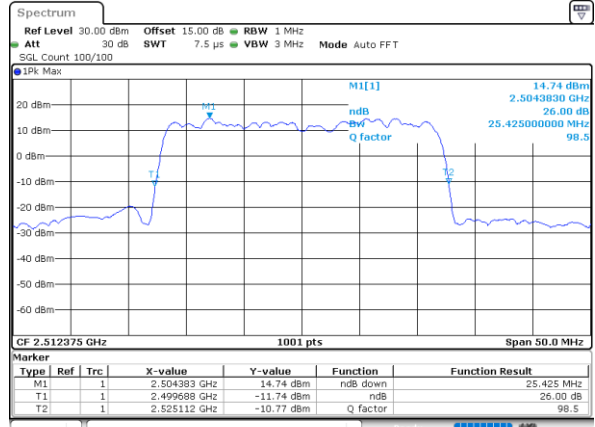
16QAM

Lowest Channel / 10MHz+20MHz



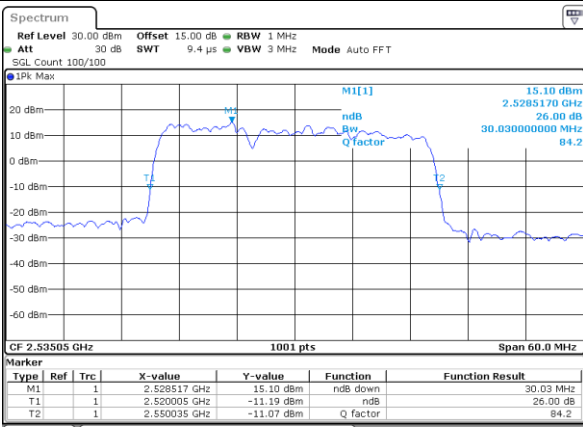
Date: 13.JUL.2022 23:44:54

Lowest Channel / 15MHz+10MHz



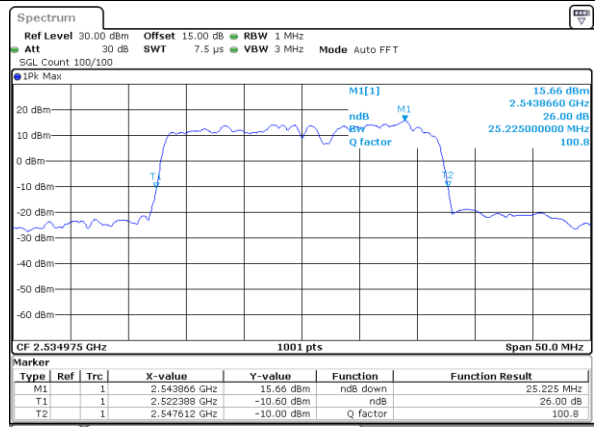
Date: 14.JUL.2022 16:30:24

Middle Channel / 10MHz+20MHz



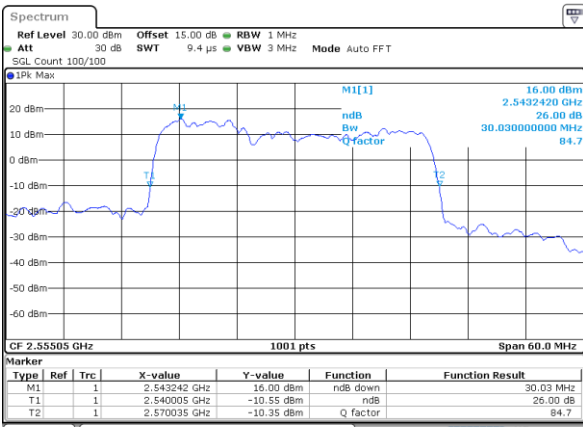
Date: 14.JUL.2022 00:27:18

Middle Channel / 15MHz+10MHz



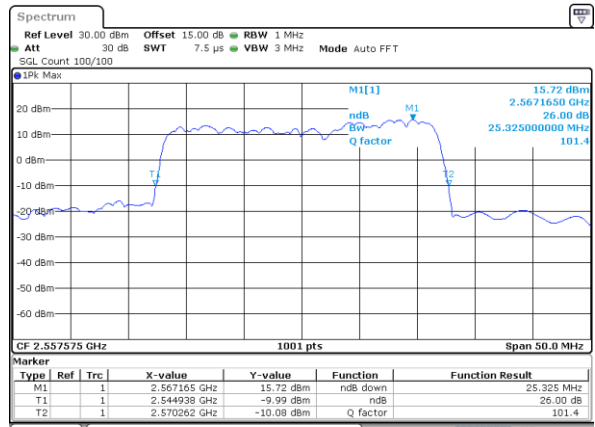
Date: 14.JUL.2022 17:10:21

Highest Channel / 10MHz+20MHz



Date: 14.JUL.2022 00:44:52

Highest Channel / 15MHz+10MHz



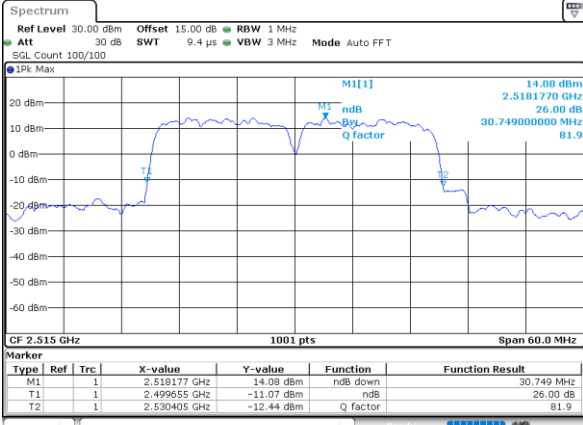
Date: 14.JUL.2022 17:18:24



LTE Band 7C

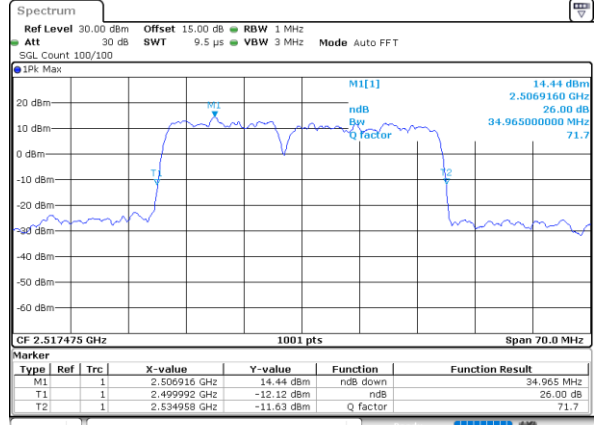
16QAM

Lowest Channel / 15MHz+15MHz



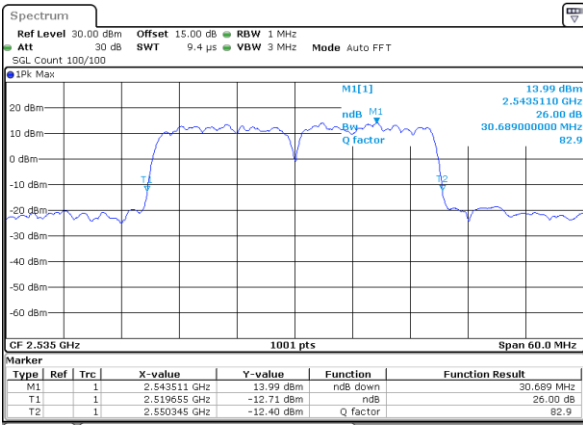
Date: 14.JUL.2022 09:56:53

Lowest Channel / 15MHz+20MHz



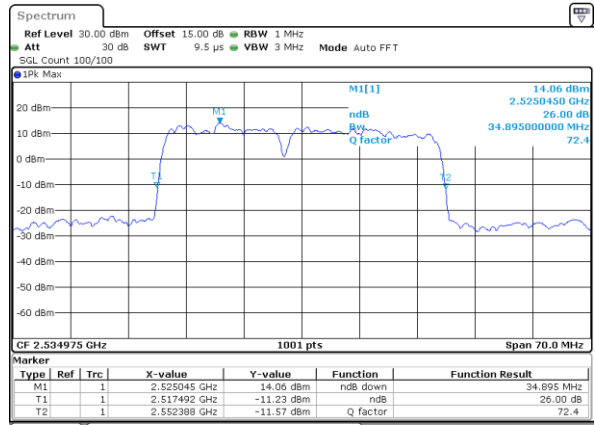
Date: 14.JUL.2022 11:35:58

Middle Channel / 15MHz+15MHz



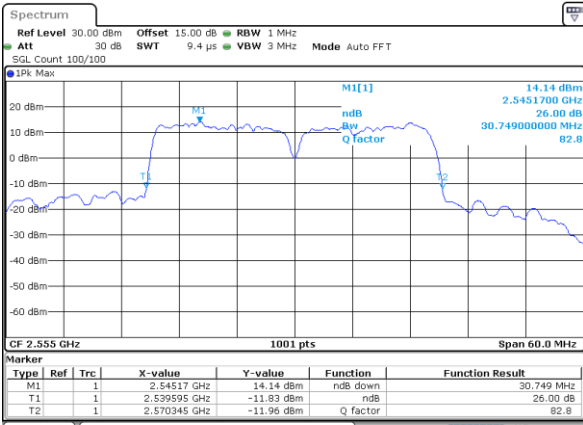
Date: 14.JUL.2022 10:30:04

Middle Channel / 15MHz+20MHz



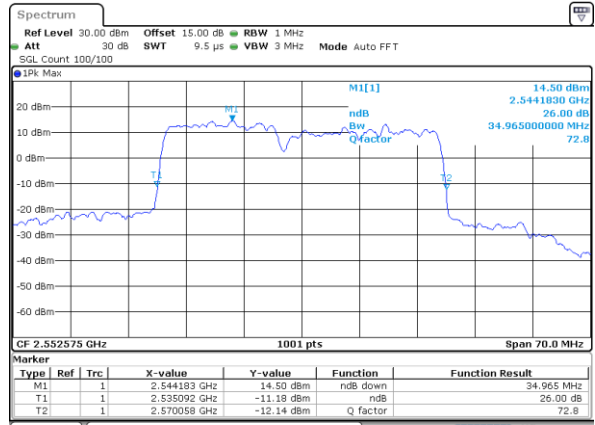
Date: 14.JUL.2022 12:11:10

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 10:48:45

Highest Channel / 15MHz+20MHz



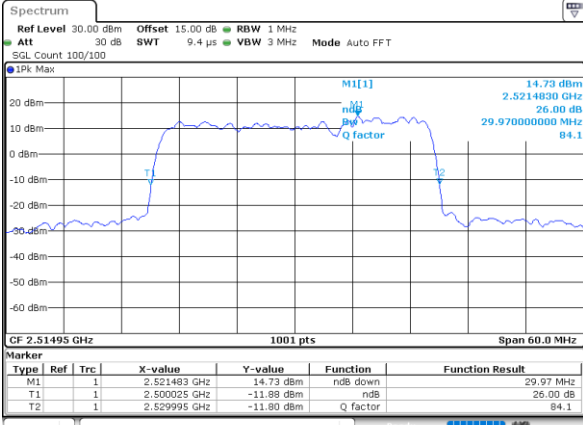
Date: 14.JUL.2022 12:28:34



LTE Band 7C

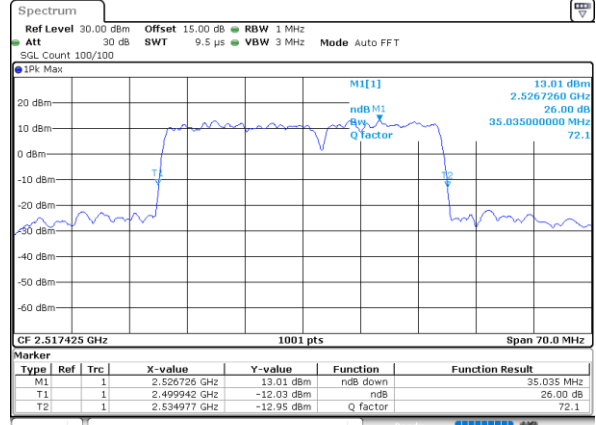
16QAM

Lowest Channel / 20MHz+10MHz



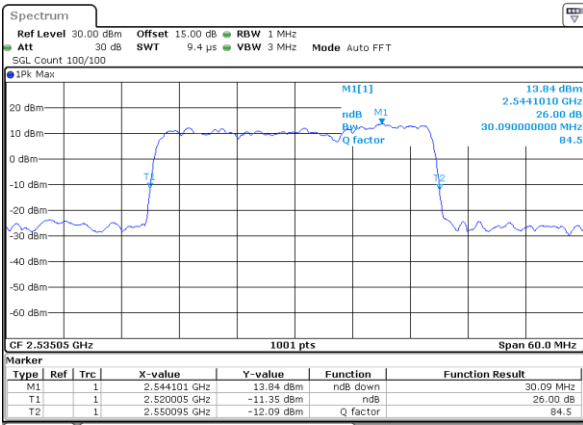
Date: 14.JUL.2022 01:22:43

Lowest Channel / 20MHz+15MHz



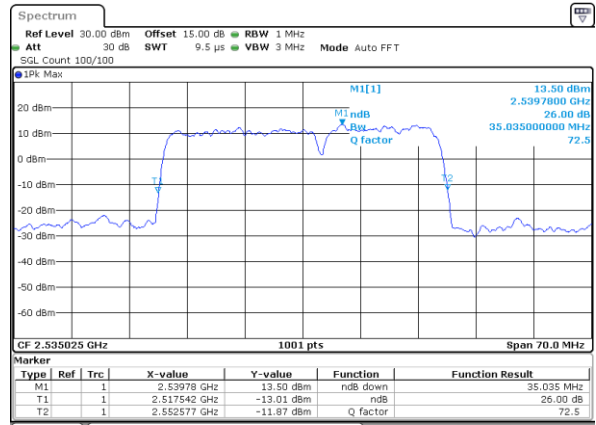
Date: 14.JUL.2022 13:14:44

Middle Channel / 20MHz+10MHz



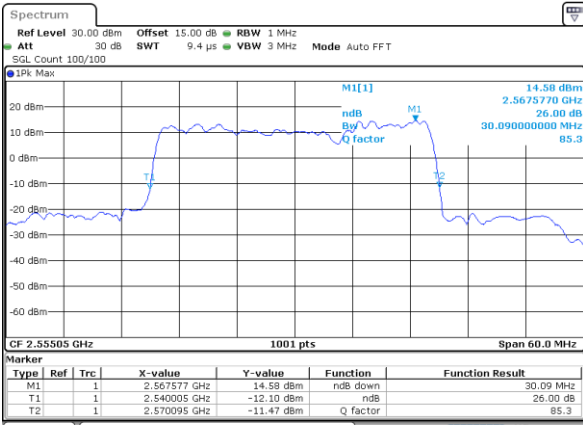
Date: 14.JUL.2022 01:55:49

Middle Channel / 20MHz+15MHz



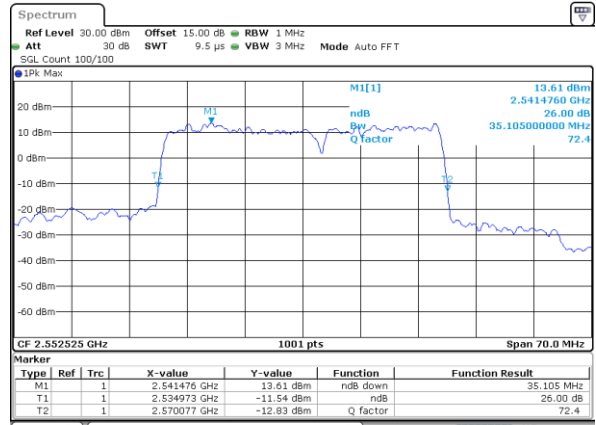
Date: 14.JUL.2022 14:18:43

Highest Channel / 20MHz+10MHz



Date: 14.JUL.2022 17:57:37

Highest Channel / 20MHz+15MHz



Date: 14.JUL.2022 14:35:49

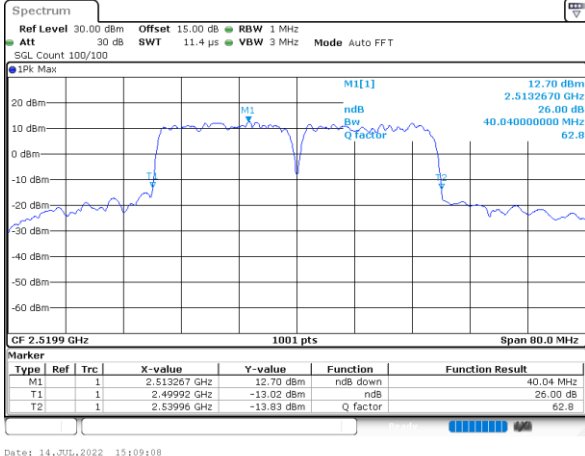


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

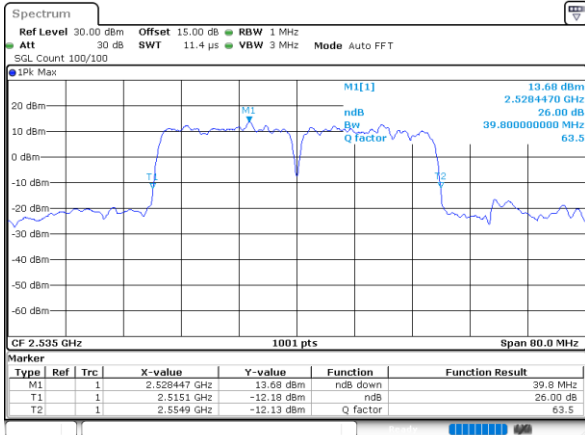
N/A



Date: 14..JUL..2022 15:09:08

Middle Channel / 20MHz+20MHz

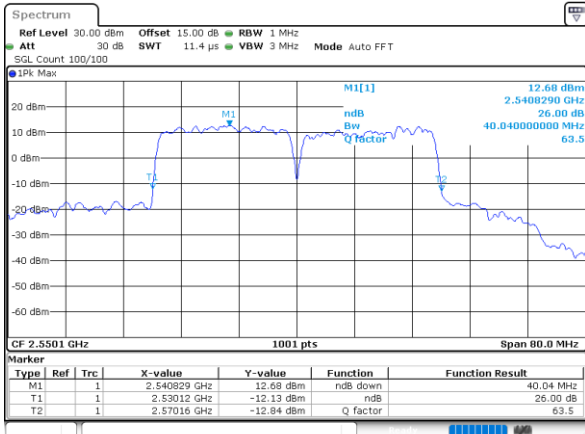
N/A



Date: 14..JUL..2022 15:40:05

Highest Channel / 20MHz+20MHz

N/A



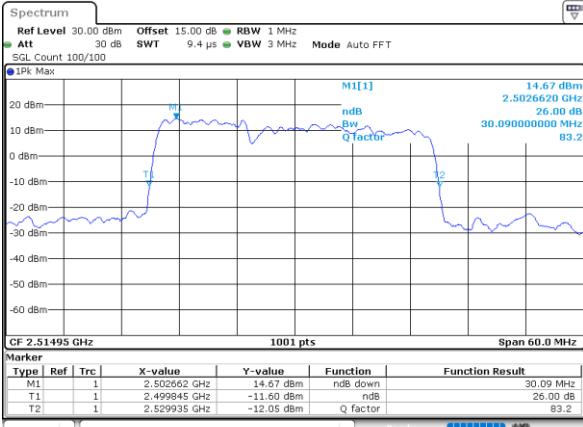
Date: 14..JUL..2022 15:57:09



LTE Band 7C

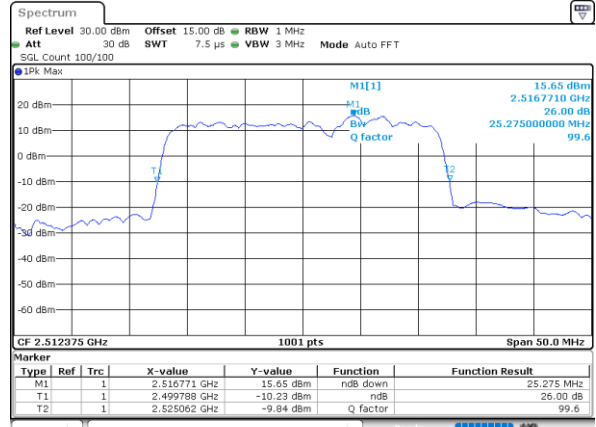
64QAM

Lowest Channel / 10MHz+20MHz



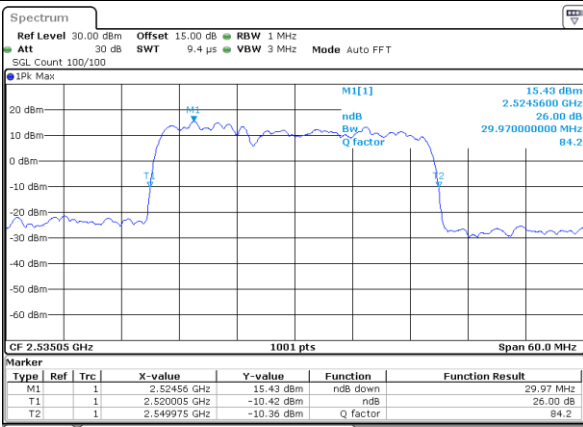
Date: 13.JUL.2022 23:44:23

Lowest Channel / 15MHz+10MHz



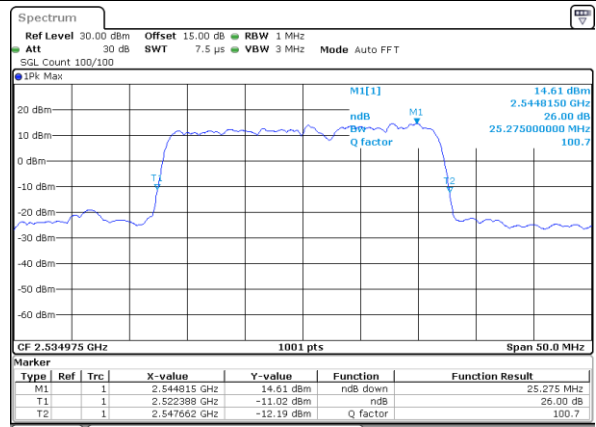
Date: 14.JUL.2022 16:29:52

Middle Channel / 10MHz+20MHz



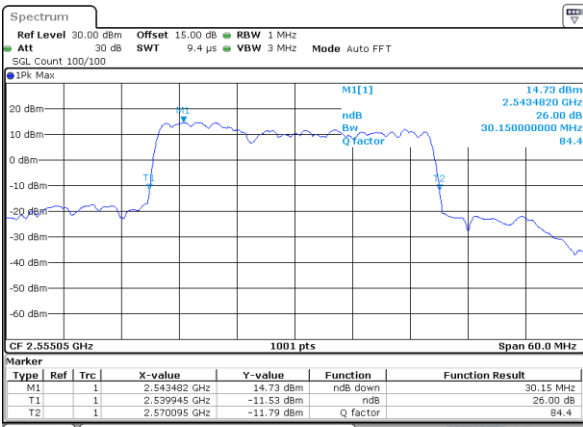
Date: 14.JUL.2022 00:26:46

Middle Channel / 15MHz+10MHz



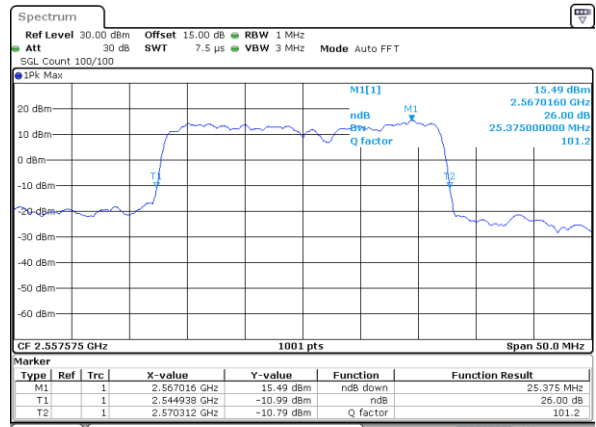
Date: 14.JUL.2022 17:10:49

Highest Channel / 10MHz+20MHz



Date: 14.JUL.2022 00:45:24

Highest Channel / 15MHz+10MHz



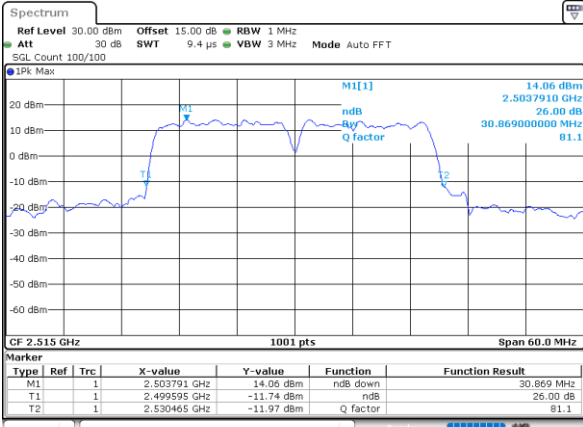
Date: 14.JUL.2022 17:18:56



LTE Band 7C

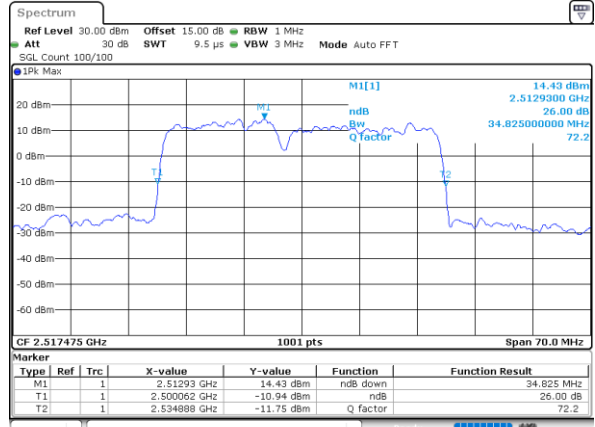
64QAM

Lowest Channel / 15MHz+15MHz



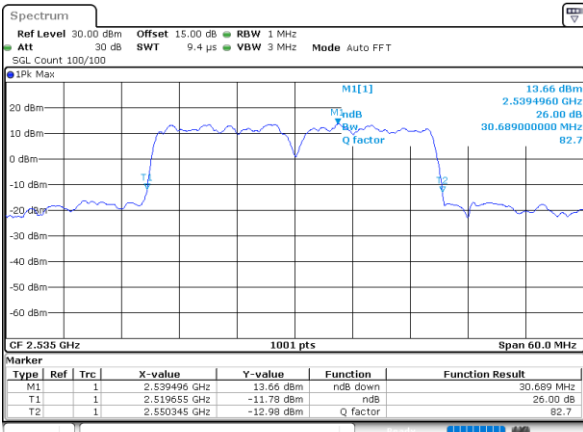
Date: 14.JUL.2022 09:56:20

Lowest Channel / 15MHz+20MHz



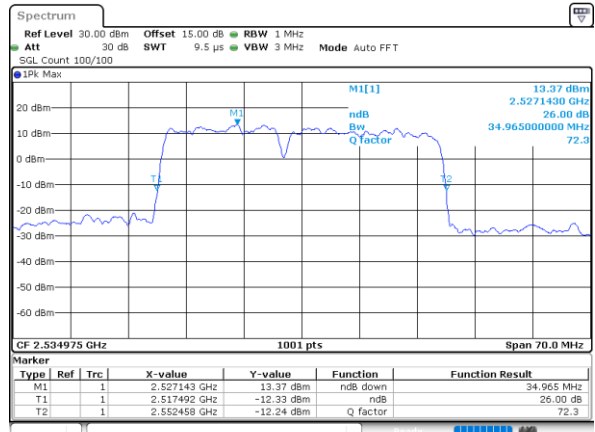
Date: 14.JUL.2022 11:35:25

Middle Channel / 15MHz+15MHz



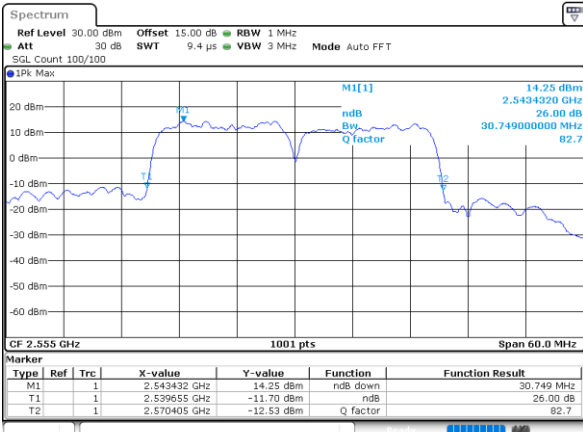
Date: 14.JUL.2022 10:29:31

Middle Channel / 15MHz+20MHz



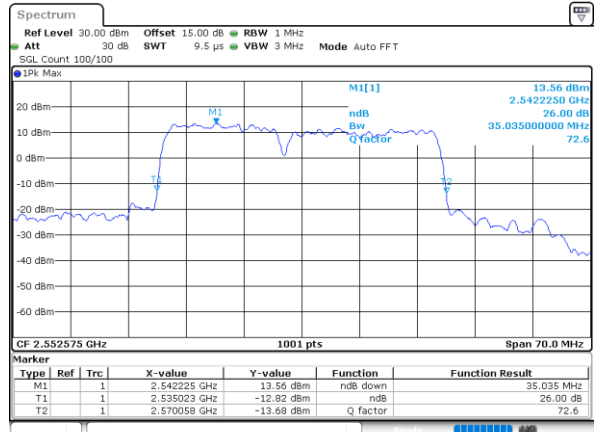
Date: 14.JUL.2022 12:10:37

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 10:49:18

Highest Channel / 15MHz+20MHz



Date: 14.JUL.2022 12:29:08

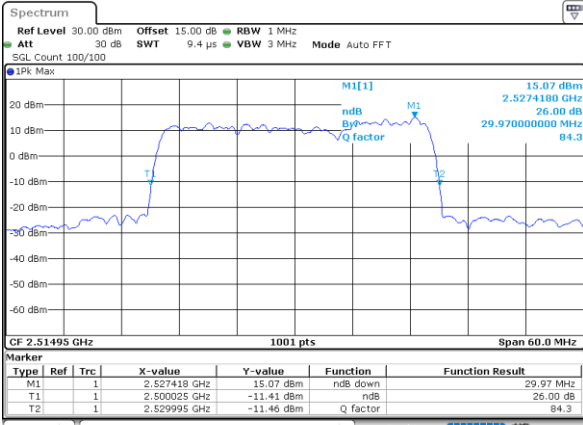




LTE Band 7C

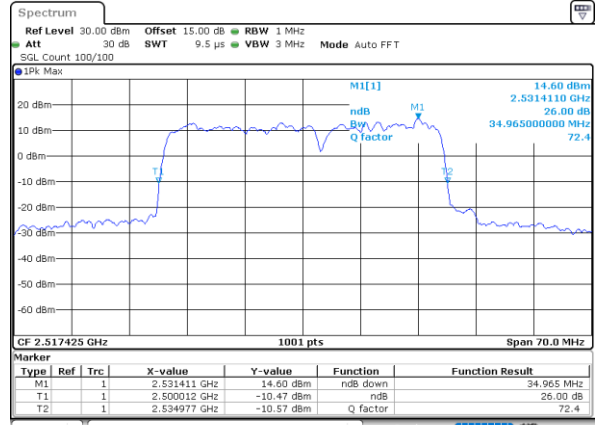
64QAM

Lowest Channel / 20MHz+10MHz



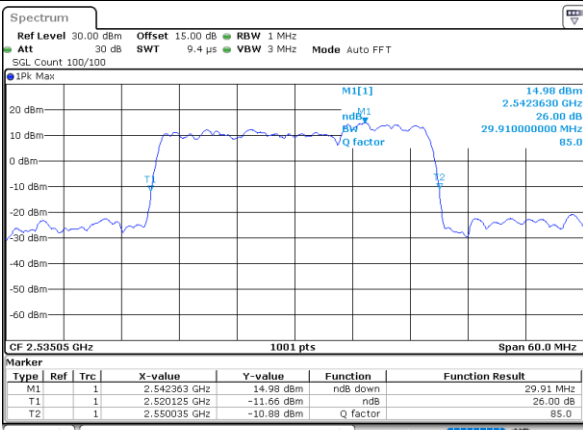
Date: 14.JUL.2022 01:22:12

Lowest Channel / 20MHz+15MHz



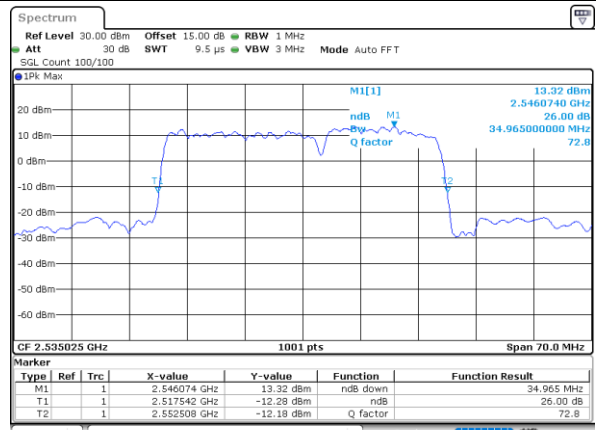
Date: 14.JUL.2022 13:47:12

Middle Channel / 20MHz+10MHz



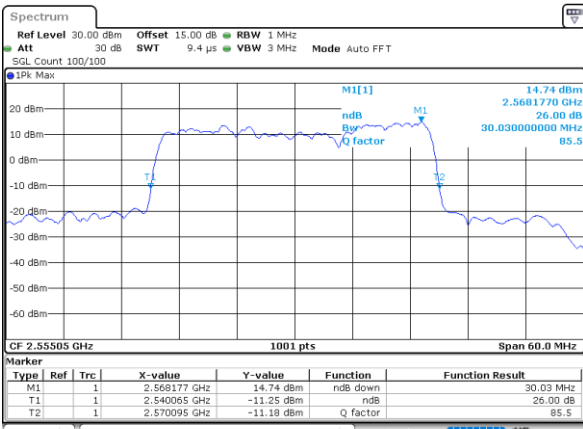
Date: 14.JUL.2022 01:55:18

Middle Channel / 20MHz+15MHz



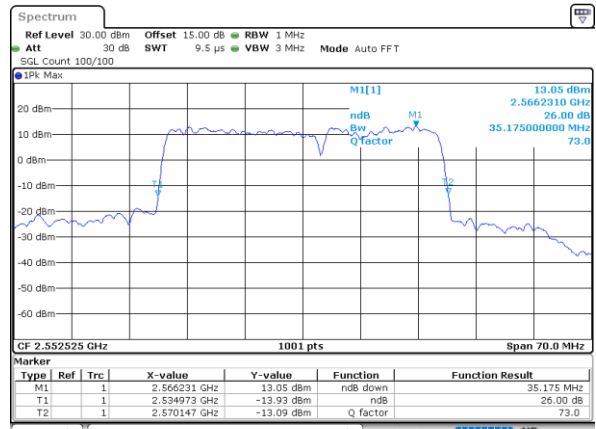
Date: 14.JUL.2022 14:18:10

Highest Channel / 20MHz+10MHz



Date: 14.JUL.2022 17:58:09

Highest Channel / 20MHz+15MHz



Date: 14.JUL.2022 14:36:21

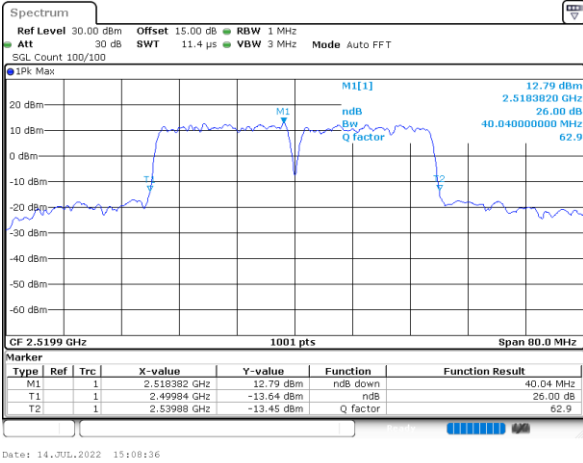


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

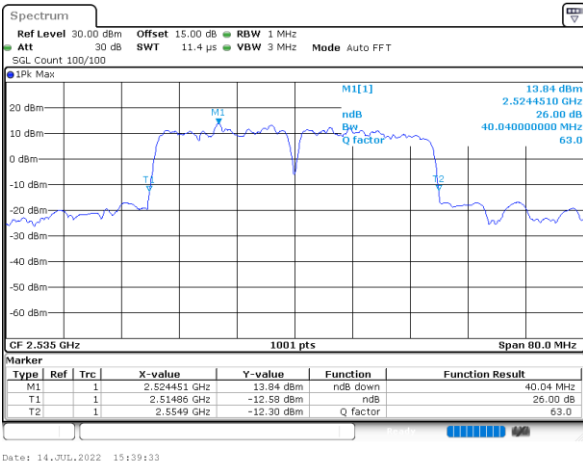
N/A



Date: 14\_JUL\_2022 15:08:36

Middle Channel / 20MHz+20MHz

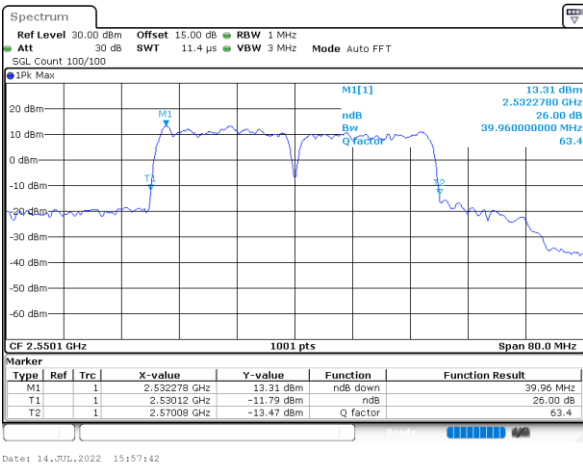
N/A



Date: 14\_JUL\_2022 15:39:33

Highest Channel / 20MHz+20MHz

N/A



Date: 14\_JUL\_2022 15:57:42



## 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	28.65	32.80
Middle CH	28.05	23.43	28.59	32.66
Highest CH	28.23	23.58	28.77	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.17	32.94	37.80	-
Middle CH	28.05	33.01	37.72	-
Highest CH	28.23	32.87	37.80	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.11	23.43	28.53	32.94
Middle CH	27.99	23.48	28.65	32.87
Highest CH	27.99	23.63	28.71	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.73	37.64	-
Middle CH	27.75	32.87	37.40	-
Highest CH	28.05	32.87	37.80	-

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.33	28.59	33.01
Middle CH	27.99	23.43	28.59	32.73
Highest CH	28.29	23.53	28.77	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.87	37.64	-
Middle CH	27.87	32.80	37.72	-
Highest CH	28.17	32.94	37.72	-