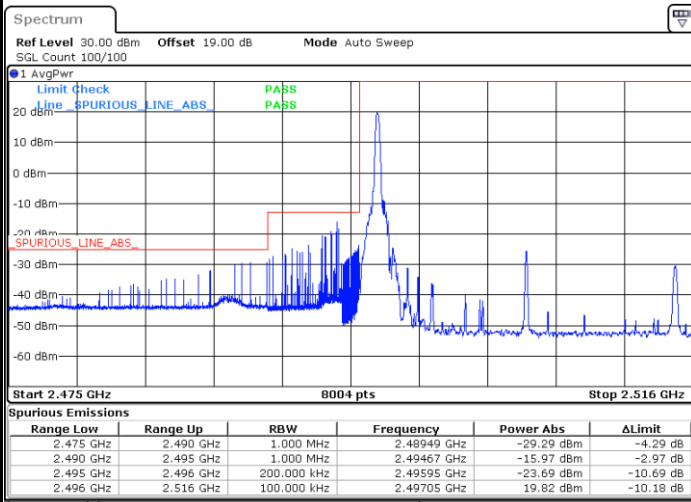




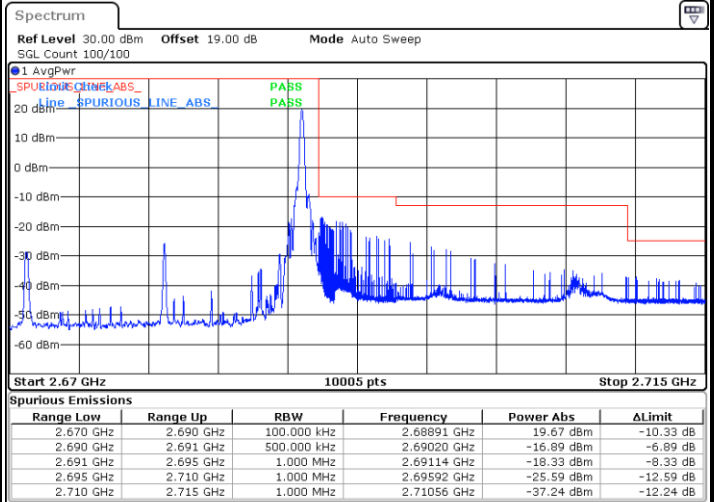
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



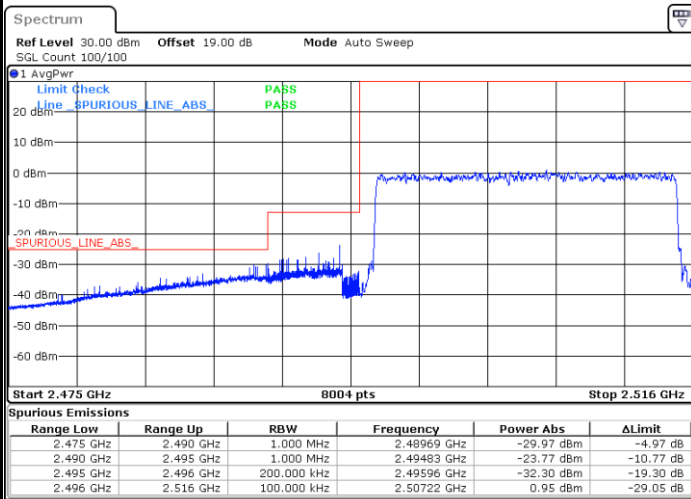
Date: 18.JUL.2022 14:02:15

Highest Band Edge / 1 RB



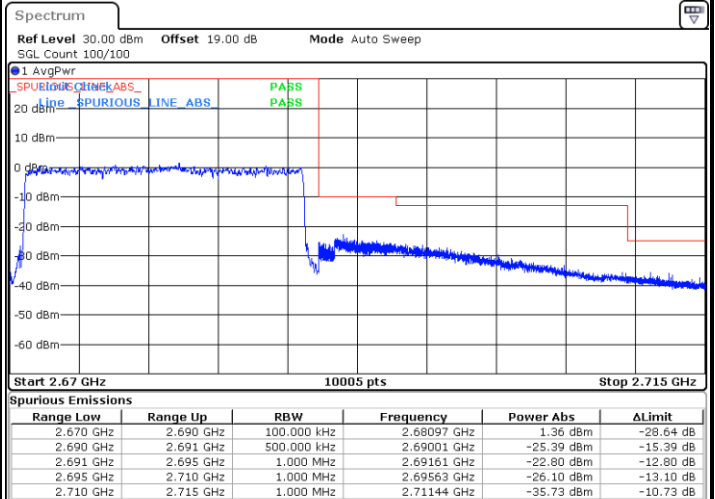
Date: 18.JUL.2022 14:05:47

Lowest Band Edge / Full RB



Date: 18.JUL.2022 14:04:01

Highest Band Edge / Full RB

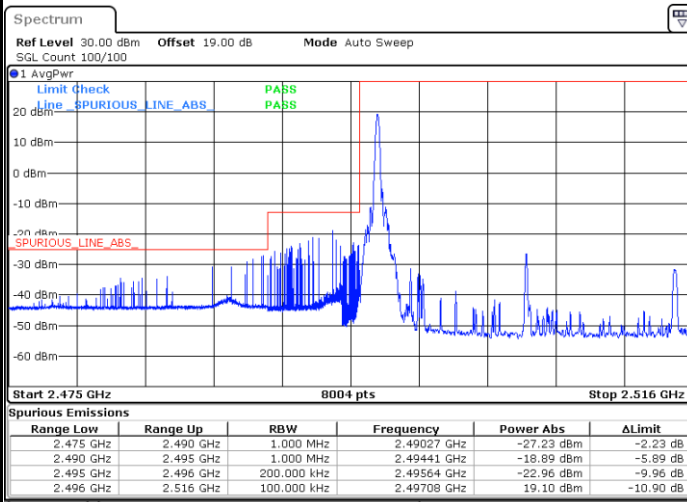


Date: 18.JUL.2022 14:06:39



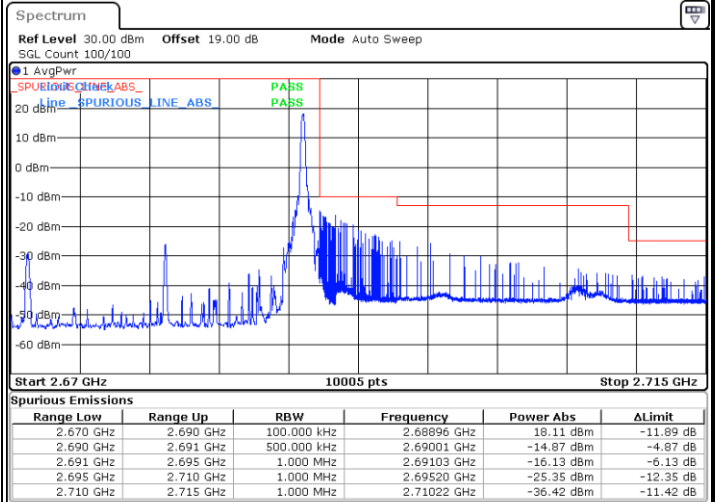
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



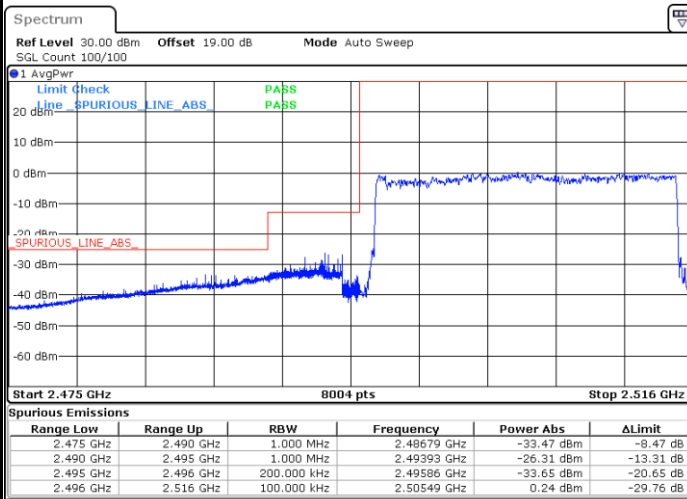
Date: 18.JUL.2022 14:08:25

Highest Band Edge / 1 RB



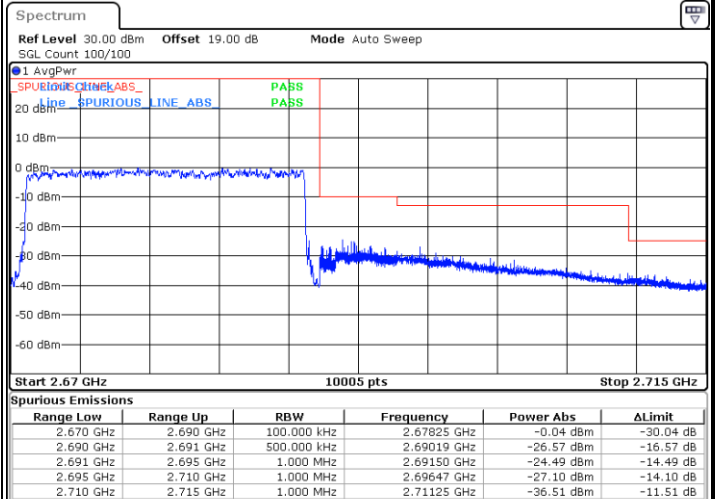
Date: 18.JUL.2022 14:10:11

Lowest Band Edge / Full RB



Date: 18.JUL.2022 14:09:18

Highest Band Edge / Full RB



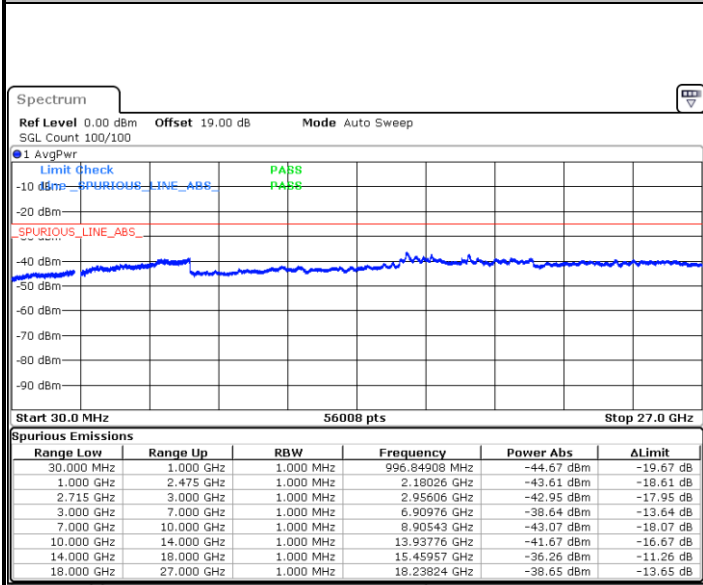
Date: 18.JUL.2022 14:11:03



# Conducted Spurious Emission

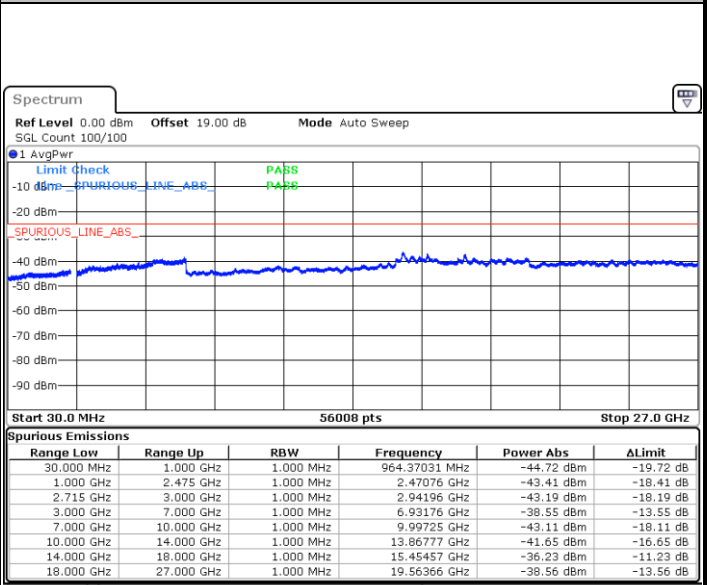
## LTE Band 41 / 5MHz

### Lowest Channel / QPSK



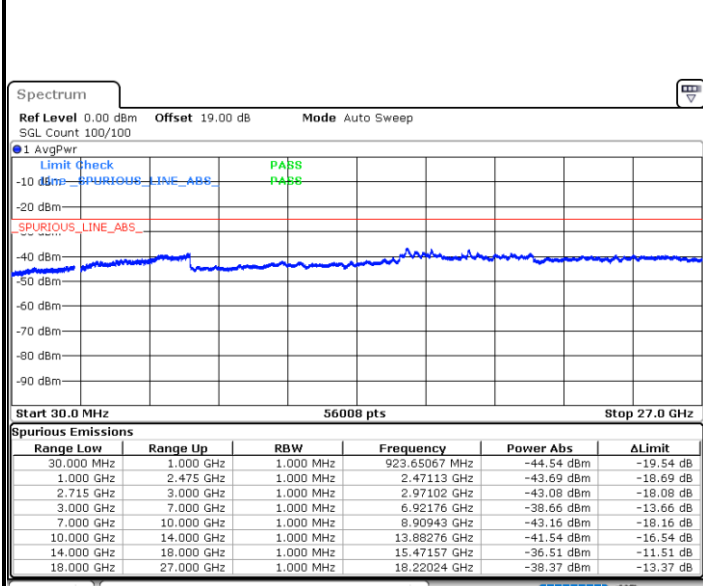
Date: 18.JUL.2022 14:15:17

### Lowest Channel / 16QAM



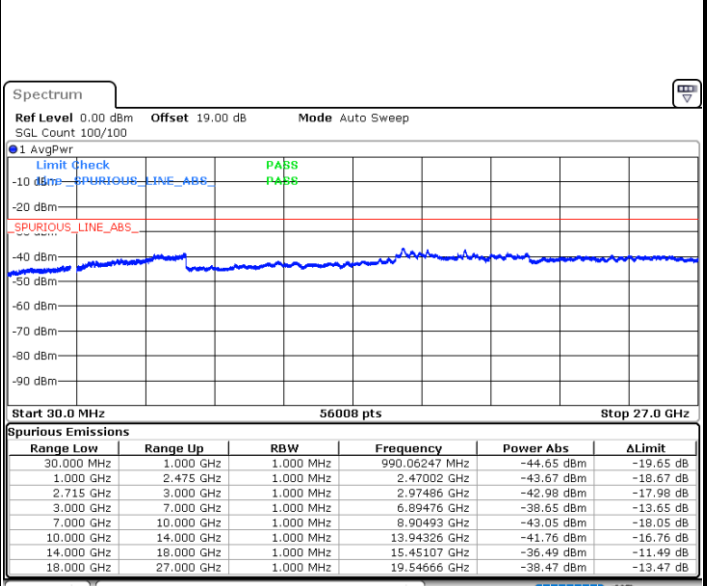
Date: 18.JUL.2022 14:16:20

### Middle Channel / QPSK



Date: 18.JUL.2022 14:17:23

### Middle Channel / 16QAM

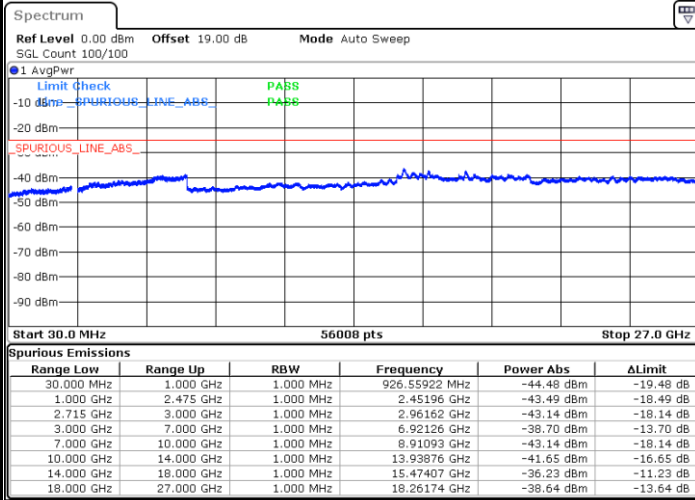


Date: 18.JUL.2022 14:18:26



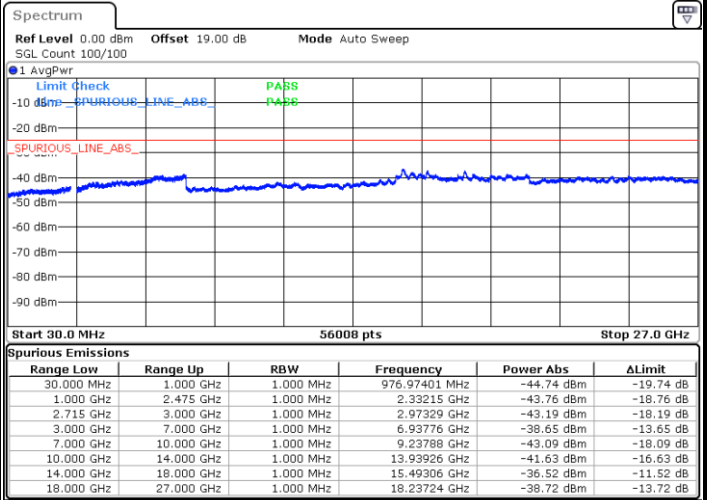
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 18.JUL.2022 14:19:29

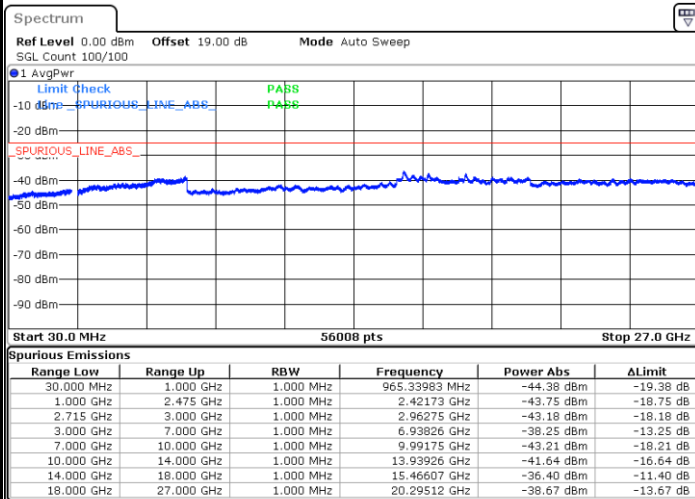
Highest Channel / 16QAM



Date: 18.JUL.2022 14:20:33

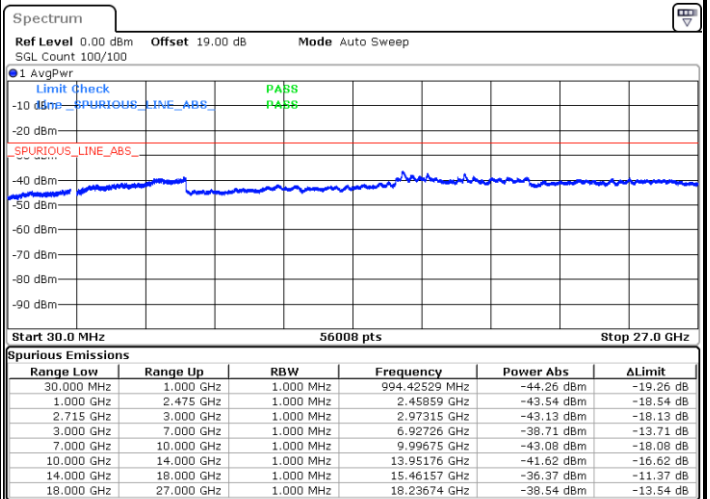
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 18.JUL.2022 14:24:46

Lowest Channel / 16QAM



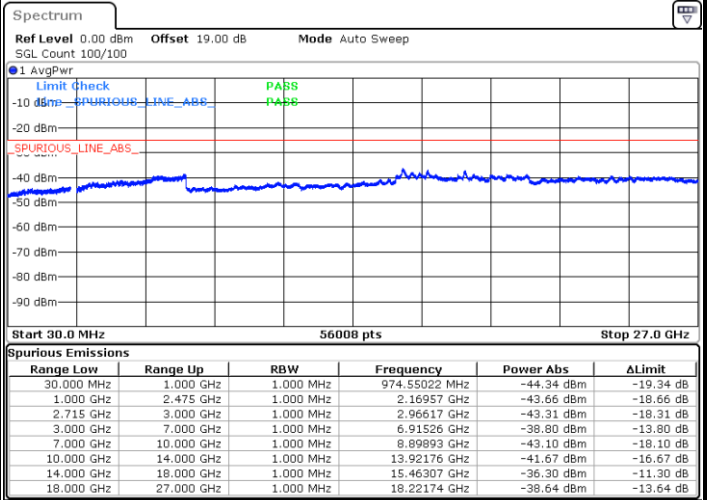
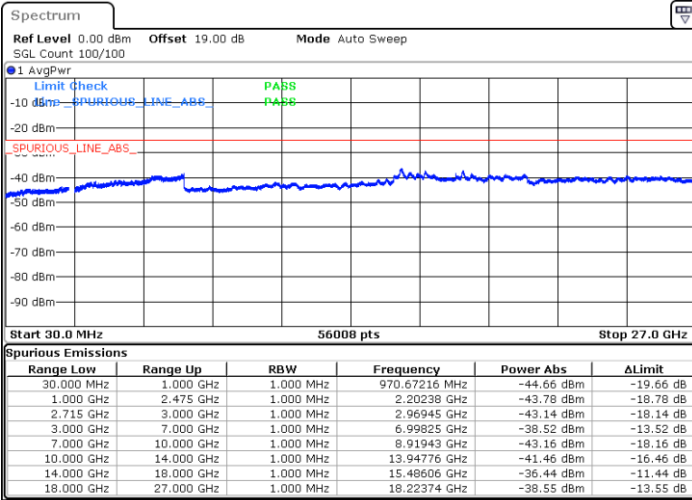
Date: 18.JUL.2022 14:25:49



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

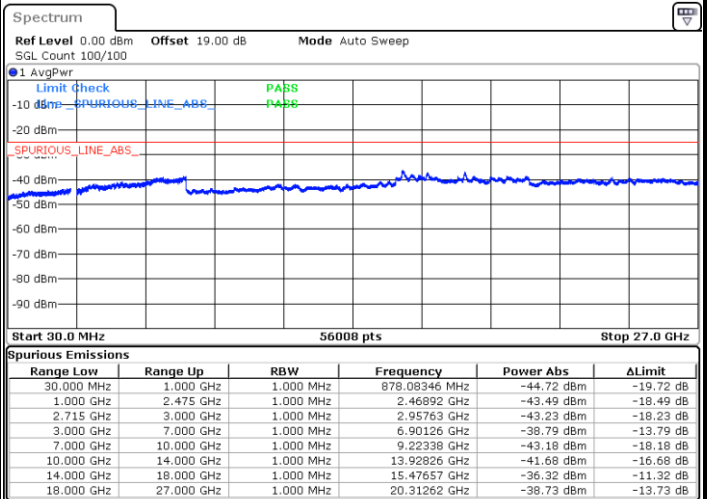
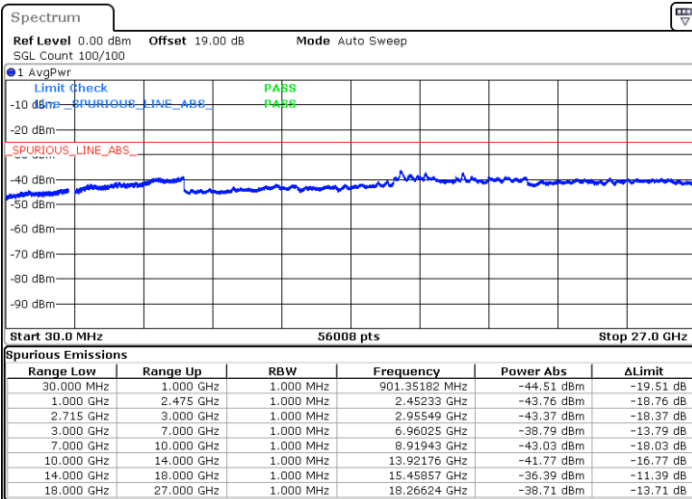


Date: 18.JUL.2022 14:26:52

Date: 18.JUL.2022 14:27:55

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18.JUL.2022 14:28:58

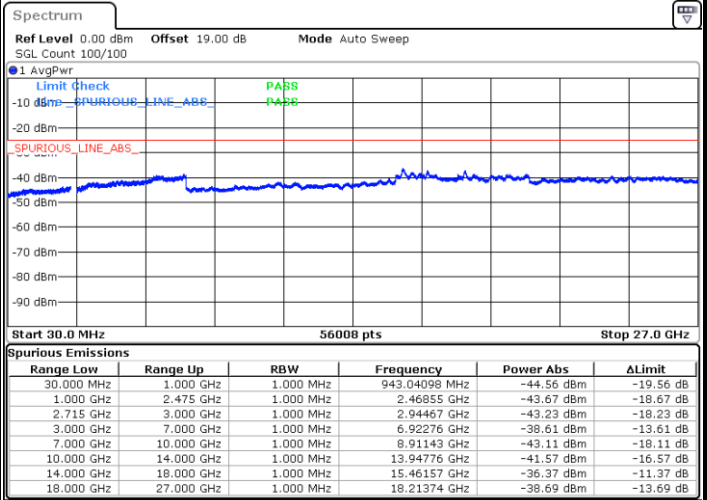
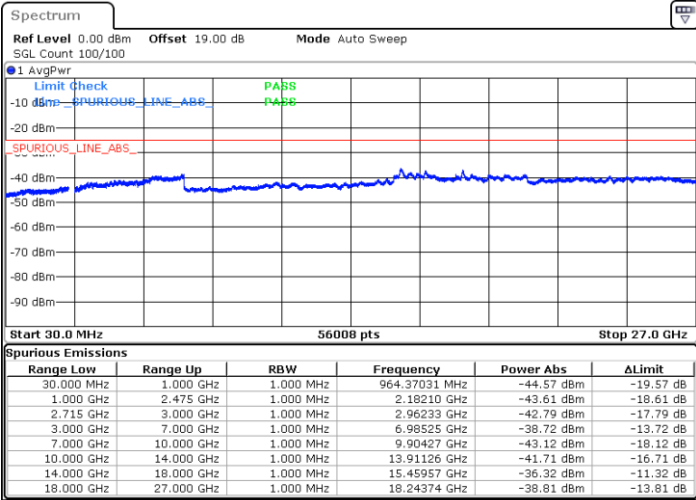
Date: 18.JUL.2022 14:30:02



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

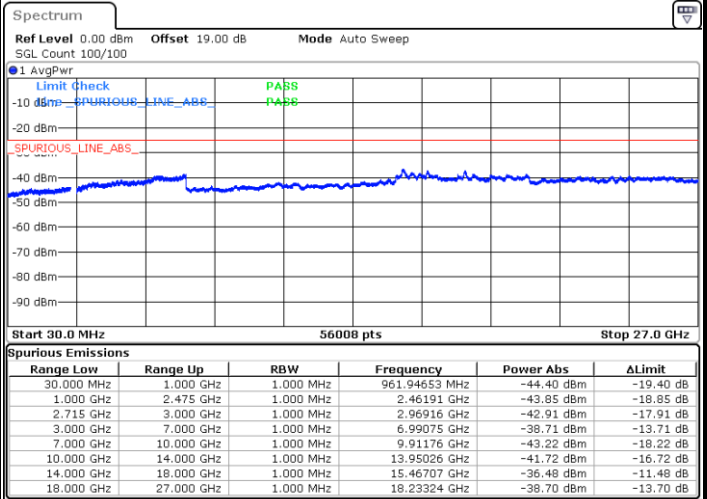
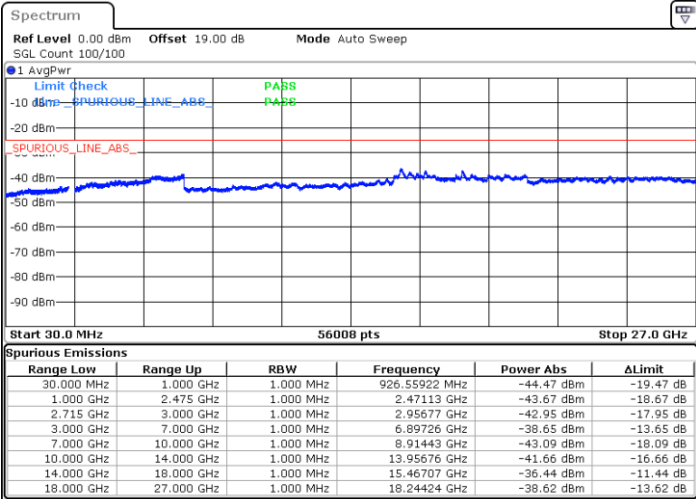


Date: 18.JUL.2022 14:31:06

Date: 18.JUL.2022 14:32:09

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 18.JUL.2022 14:33:12

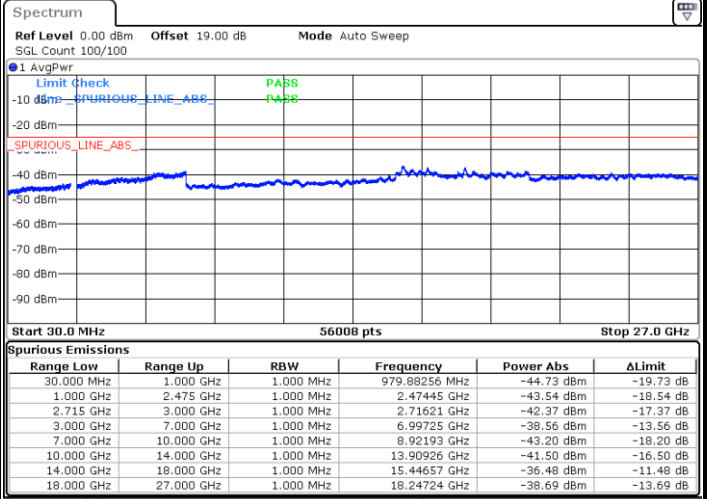
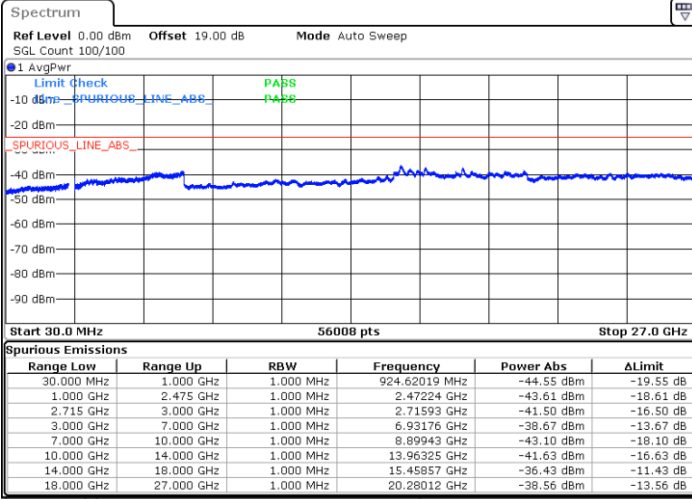
Date: 18.JUL.2022 14:34:15



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



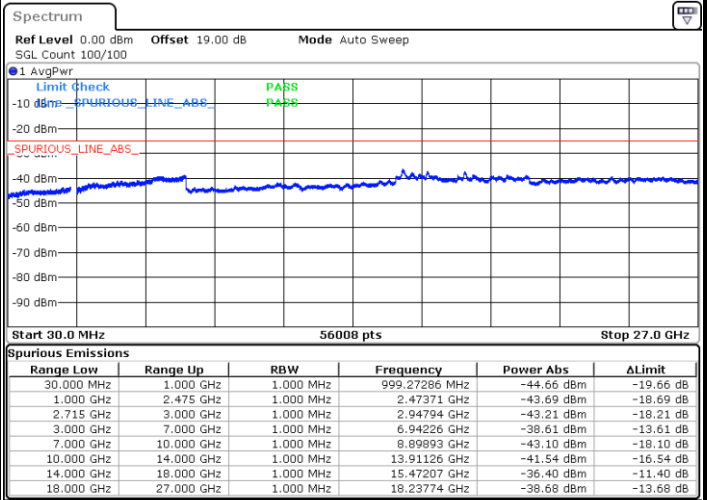
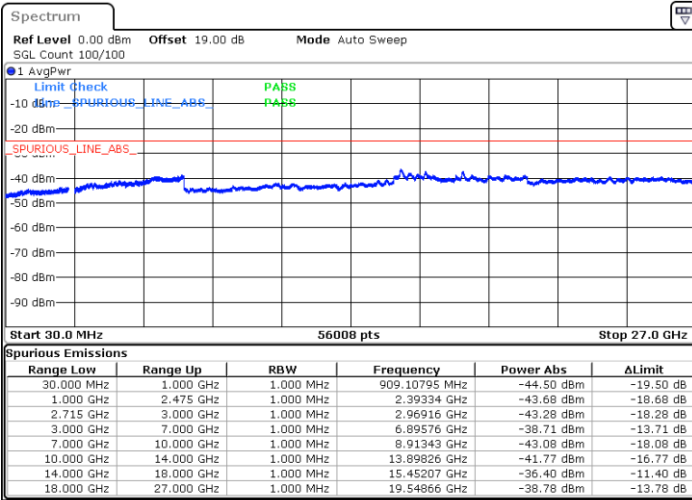
Date: 18.JUL.2022 14:35:18

Date: 18.JUL.2022 14:36:21

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



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

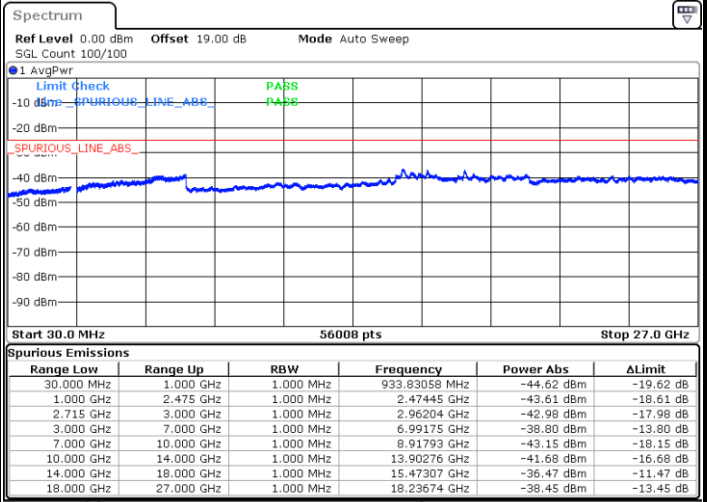
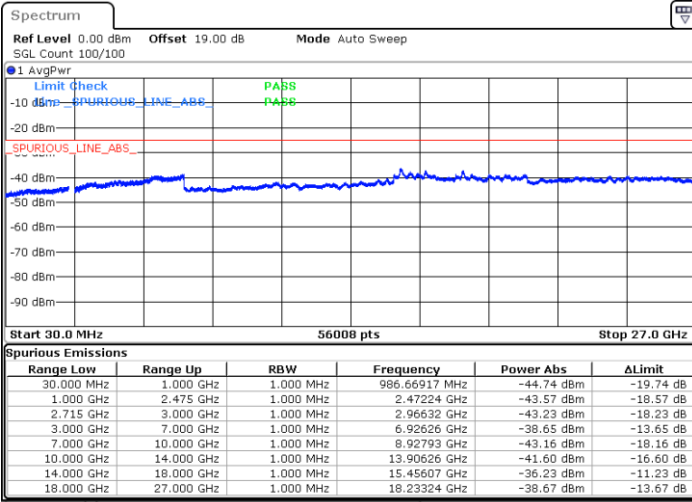
Date: 18.JUL.2022 14:44:47



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

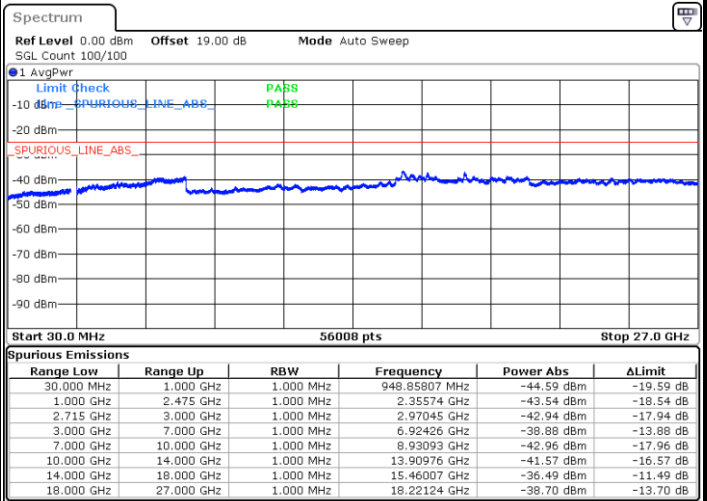
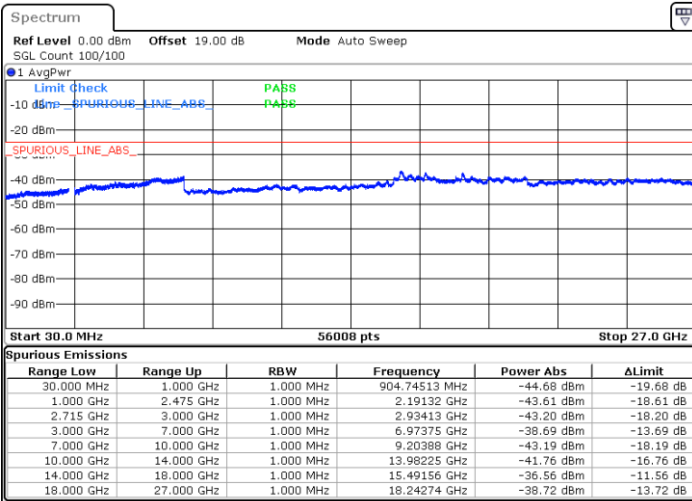


Date: 18.JUL.2022 14:45:50

Date: 18.JUL.2022 14:46:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18.JUL.2022 14:47:55

Date: 18.JUL.2022 14:48:59

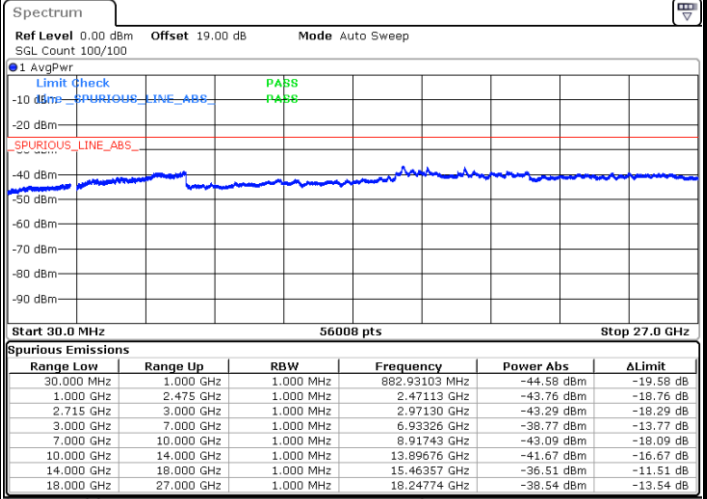
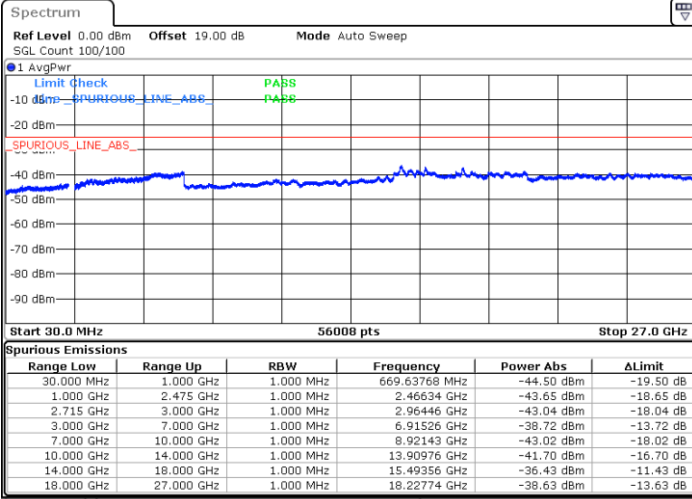




LTE Band 41 / 5MHz

Lowest Channel / 64QAM

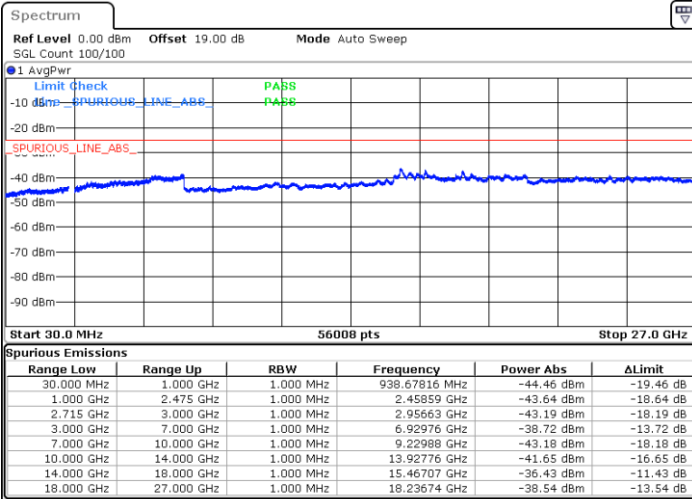
Middle Channel / 64QAM



Date: 18.JUL.2022 14:12:07

Date: 18.JUL.2022 14:13:10

Highest Channel / 64QAM



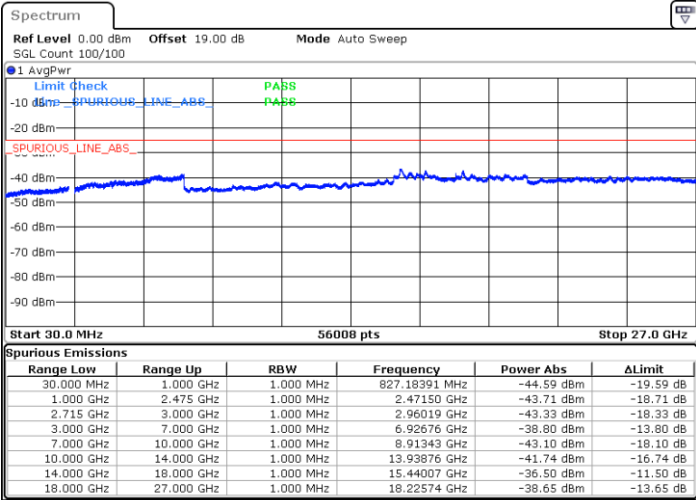
Date: 18.JUL.2022 14:14:13



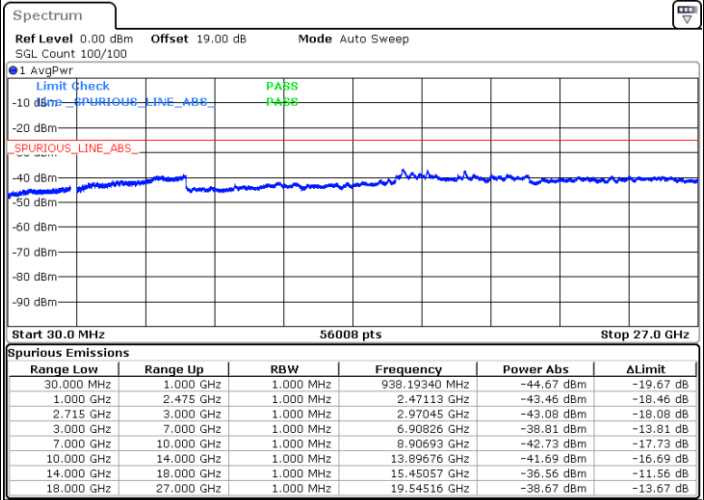
LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

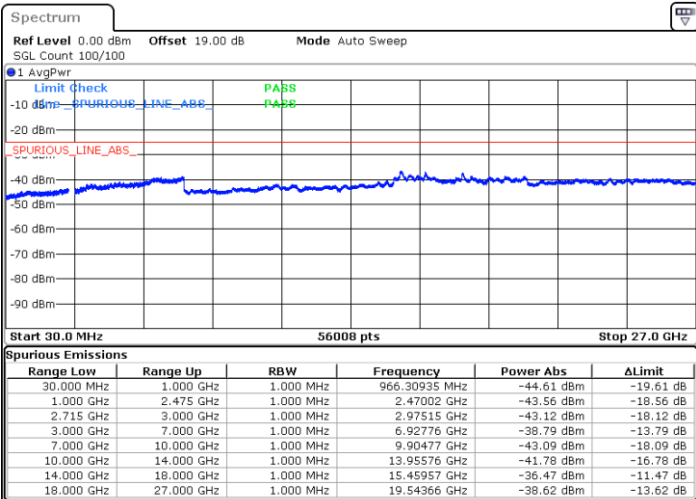


Date: 18.JUL.2022 14:21:37



Date: 18.JUL.2022 14:22:40

Highest Channel / 64QAM



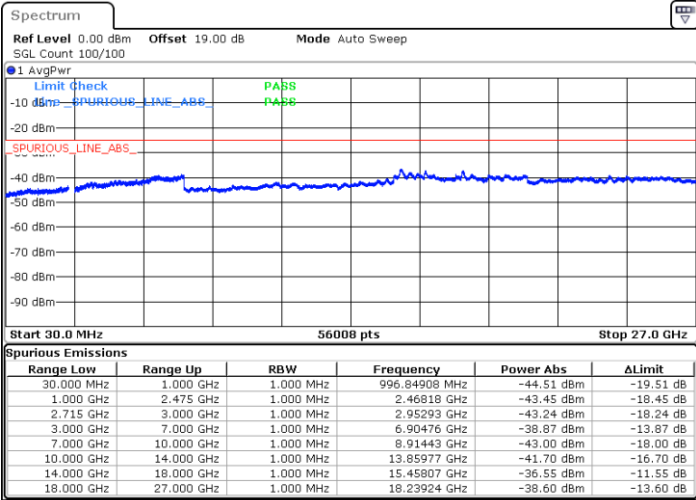
Date: 18.JUL.2022 14:23:43



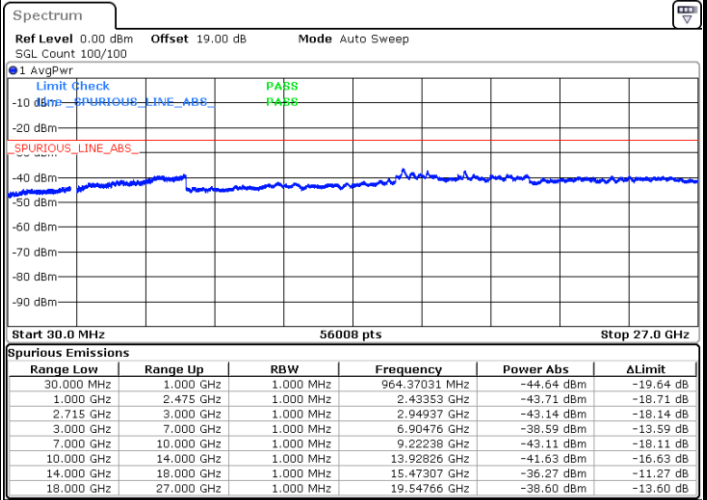
LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

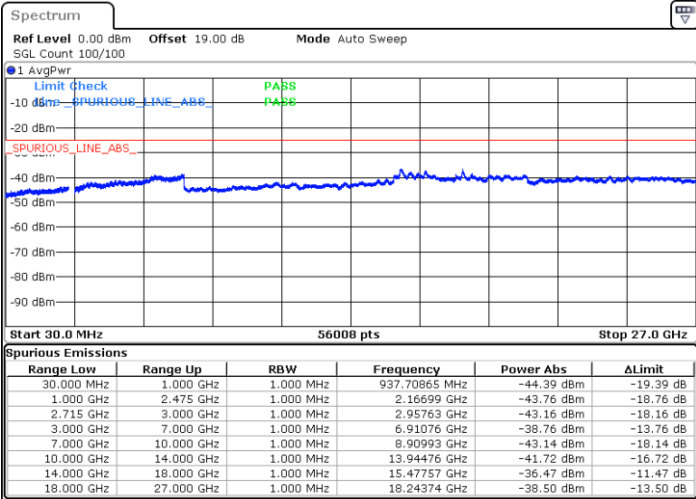


Date: 18.JUL.2022 14:37:24



Date: 18.JUL.2022 14:38:27

Highest Channel / 64QAM



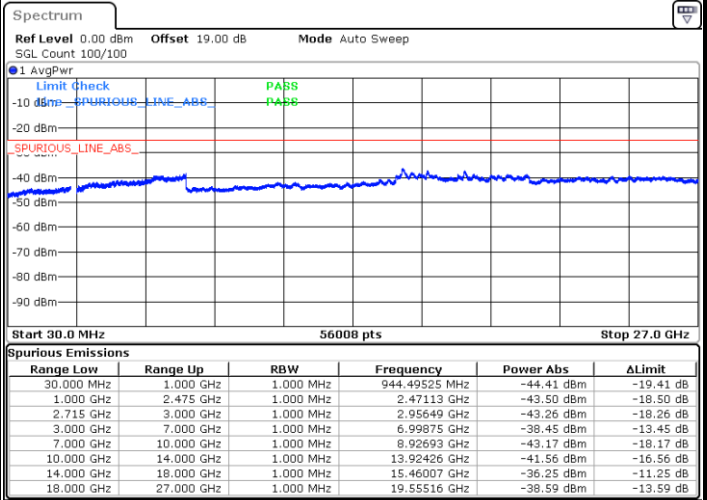
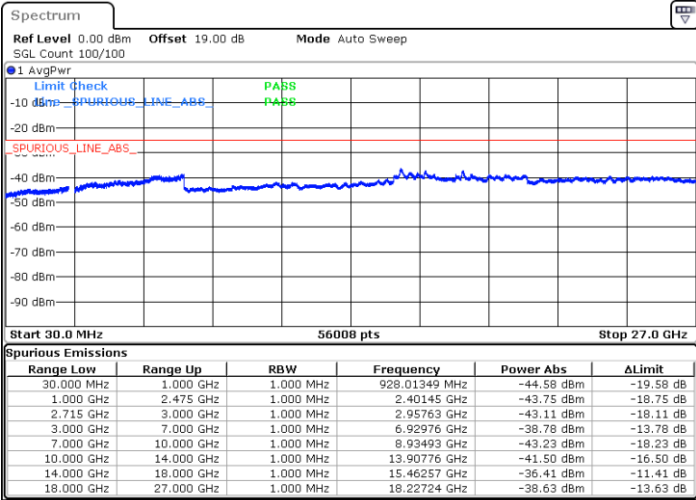
Date: 18.JUL.2022 14:39:30



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

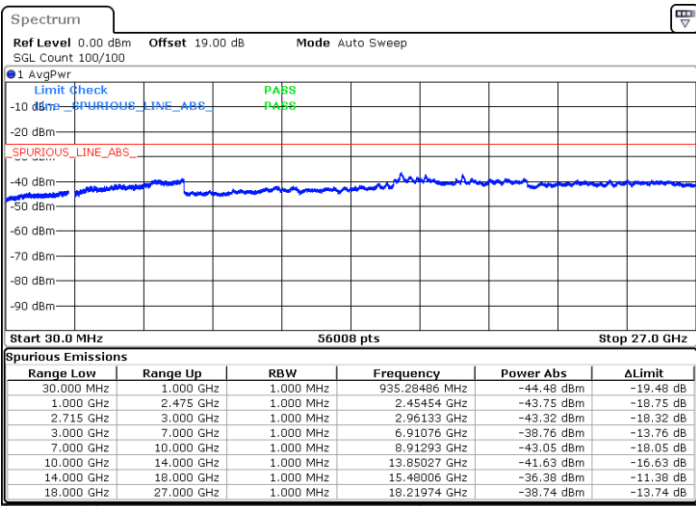
Middle Channel / 64QAM



Date: 18.JUL.2022 14:40:34

Date: 18.JUL.2022 14:41:37

Highest Channel / 64QAM



Date: 18.JUL.2022 14:42:40



### 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	0.0011	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	-	30.45	34.90
Middle CH	29.79	-	30.69	34.83
Highest CH	29.79	-	30.63	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.04	39.80	-
Middle CH	29.85	34.76	39.72	-
Highest CH	29.91	34.83	39.56	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	-	30.63	34.90
Middle CH	29.61	-	30.51	34.76
Highest CH	29.91	-	30.45	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.97	39.64	-
Middle CH	30.03	34.83	39.40	-
Highest CH	29.85	34.83	39.72	-

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.73	-	30.63	34.83
Middle CH	29.85	-	30.39	34.76
Highest CH	29.85	-	30.57	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.83	39.72	-
Middle CH	29.97	34.55	39.56	-
Highest CH	29.97	34.90	39.64	-

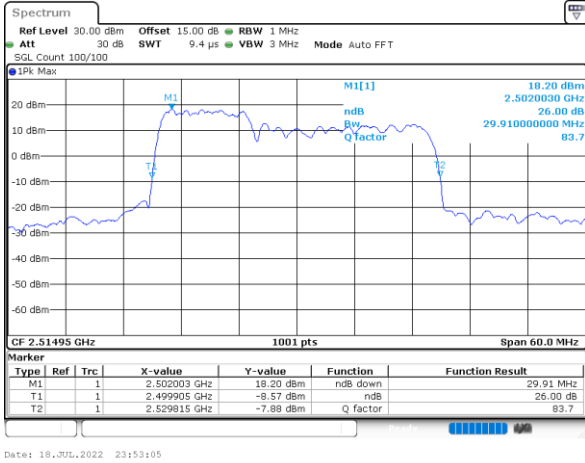


LTE Band 7C

QPSK

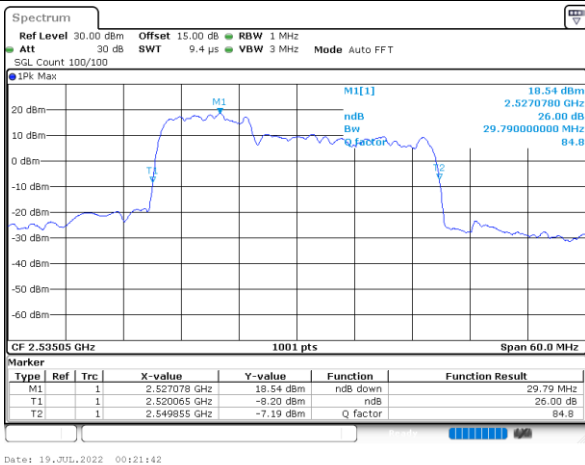
Lowest Channel / 10MHz+20MHz

N/A



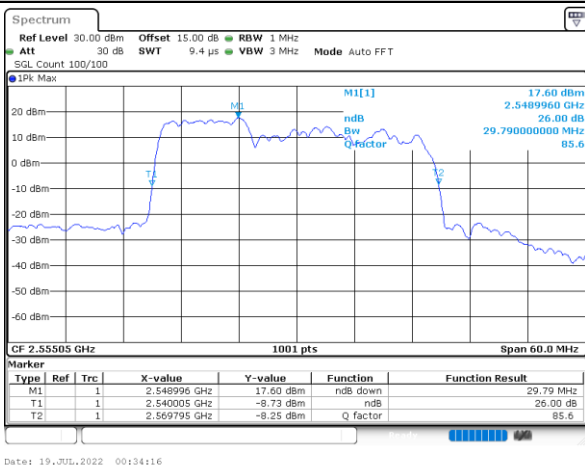
Middle Channel / 10MHz+20MHz

N/A



Highest Channel / 10MHz+20MHz

N/A

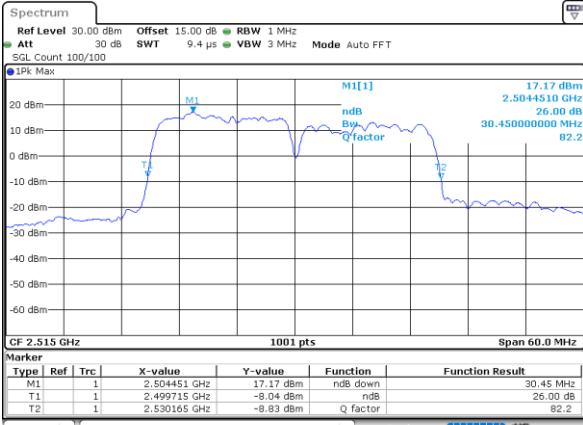




LTE Band 7C

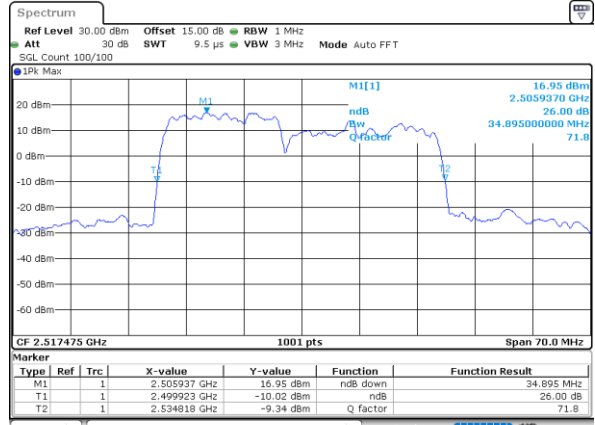
QPSK

Lowest Channel / 15MHz+15MHz



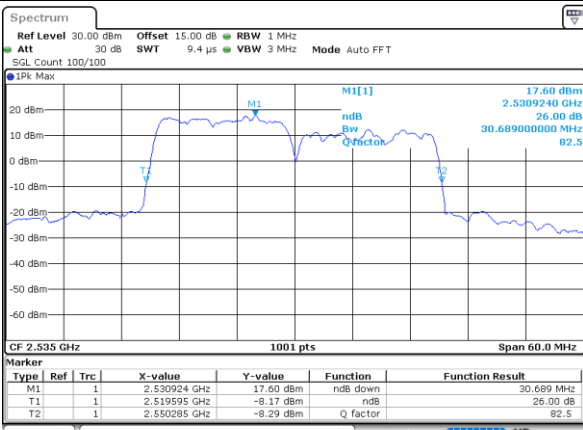
Date: 19\_JUL\_2022 02:14:45

Lowest Channel / 15MHz+20MHz



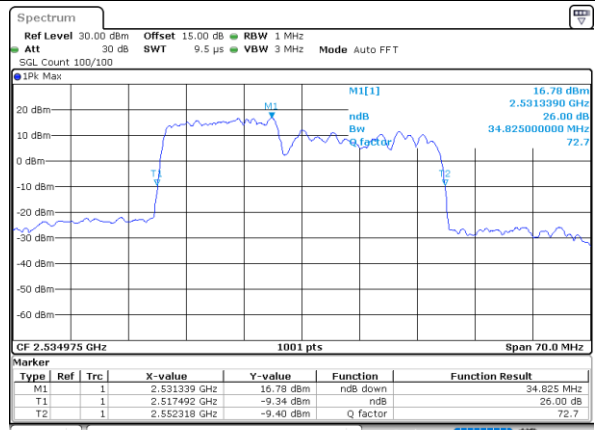
Date: 19\_JUL\_2022 03:25:32

Middle Channel / 15MHz+15MHz



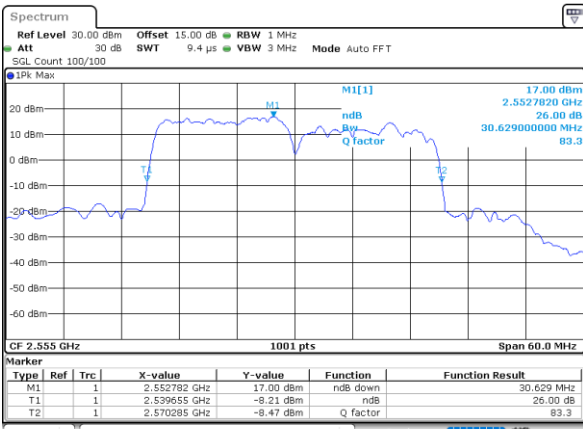
Date: 19\_JUL\_2022 02:43:22

Middle Channel / 15MHz+20MHz



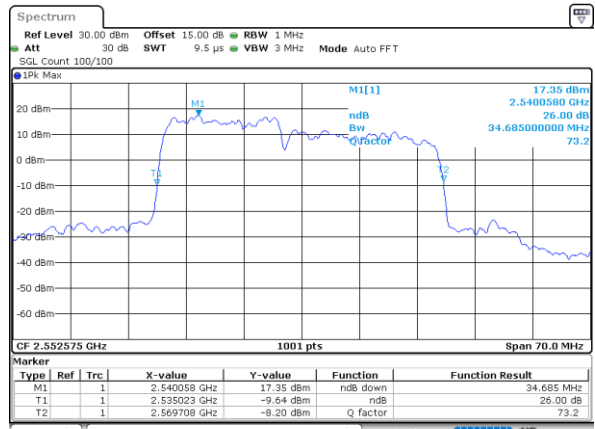
Date: 19\_JUL\_2022 03:54:09

Highest Channel / 15MHz+15MHz



Date: 19\_JUL\_2022 02:55:54

Highest Channel / 15MHz+20MHz



Date: 19\_JUL\_2022 04:06:41

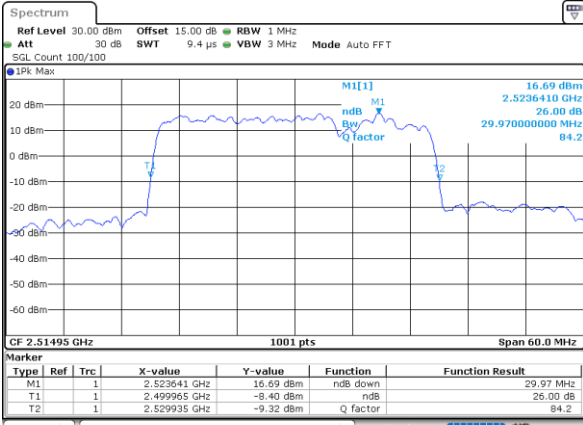




LTE Band 7C

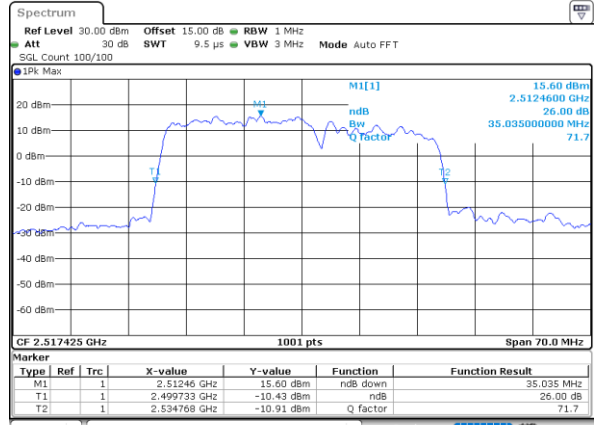
QPSK

Lowest Channel / 20MHz+10MHz



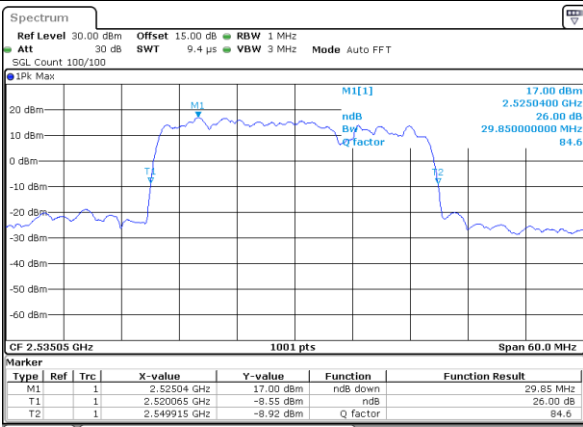
Date: 19\_JUL\_2022 01:03:53

Lowest Channel / 20MHz+15MHz



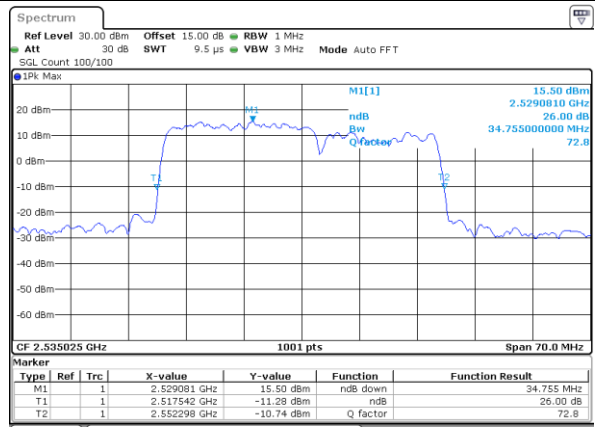
Date: 19\_JUL\_2022 09:14:42

Middle Channel / 20MHz+10MHz



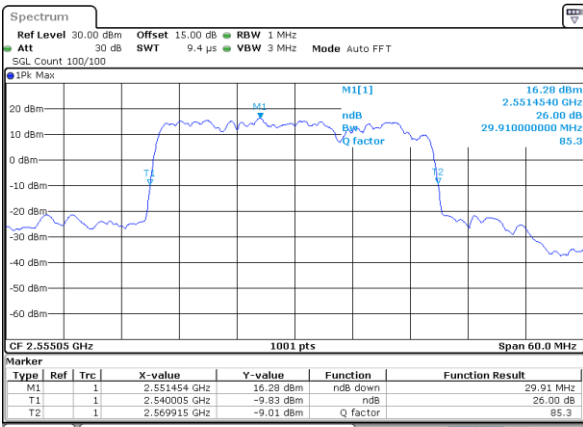
Date: 19\_JUL\_2022 01:32:31

Middle Channel / 20MHz+15MHz



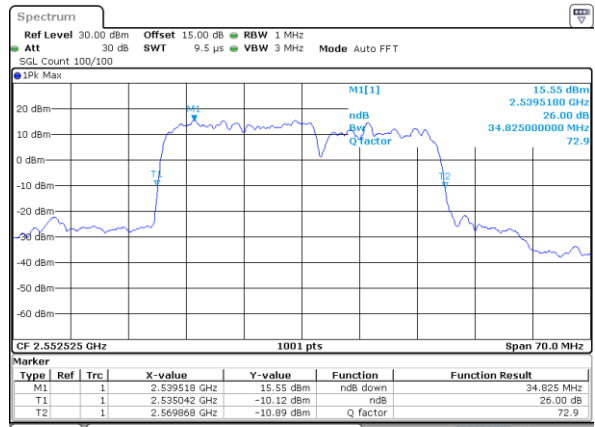
Date: 19\_JUL\_2022 09:36:49

Highest Channel / 20MHz+10MHz



Date: 19\_JUL\_2022 01:45:01

Highest Channel / 20MHz+15MHz



Date: 19\_JUL\_2022 09:51:38

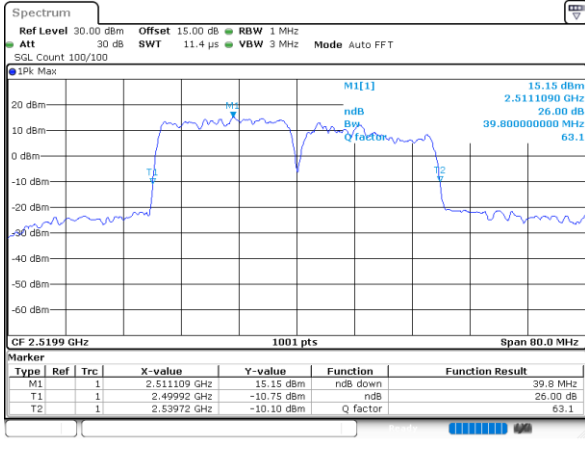


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

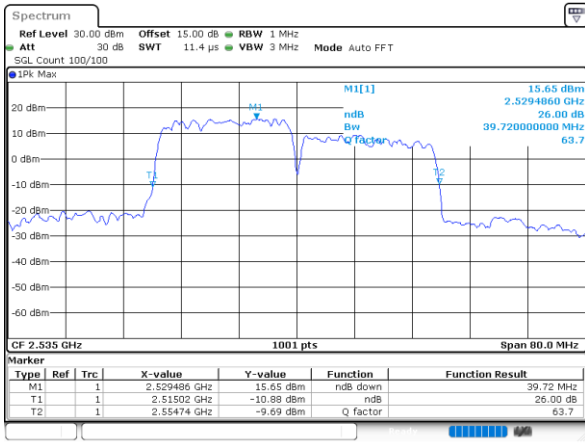
N/A



Date: 19\_JUL\_2022 16:30:42

Middle Channel / 20MHz+20MHz

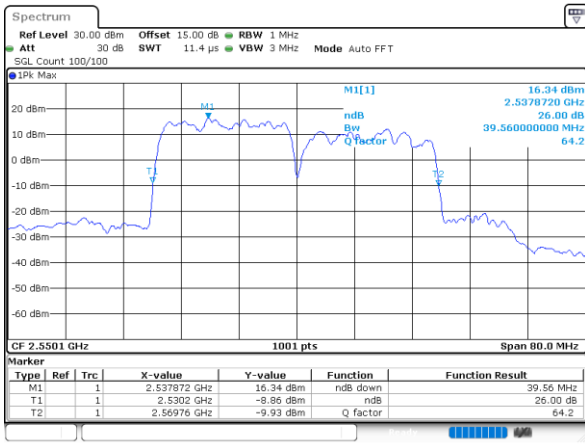
N/A



Date: 19\_JUL\_2022 16:51:52

Highest Channel / 20MHz+20MHz

N/A



Date: 19\_JUL\_2022 17:04:31

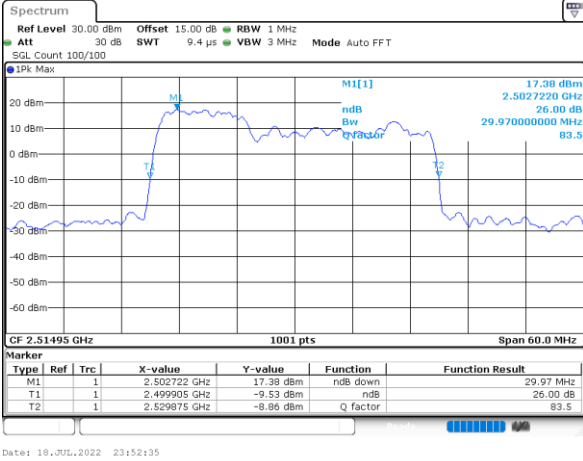


LTE Band 7C

16QAM

Lowest Channel / 10MHz+20MHz

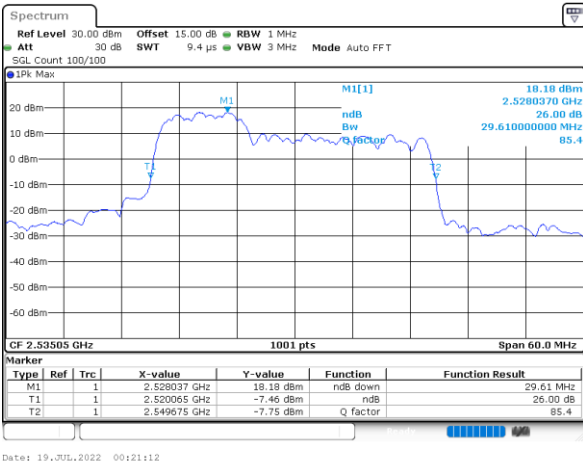
N/A



Date: 18\_JUL\_2022 23:52:35

Middle Channel / 10MHz+20MHz

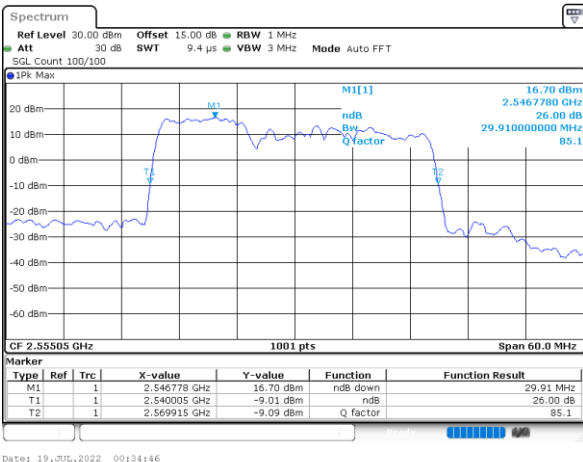
N/A



Date: 19\_JUL\_2022 00:21:12

Highest Channel / 10MHz+20MHz

N/A



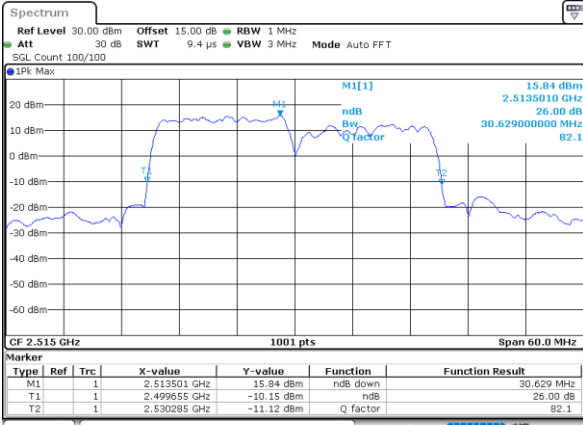
Date: 19\_JUL\_2022 00:34:46



LTE Band 7C

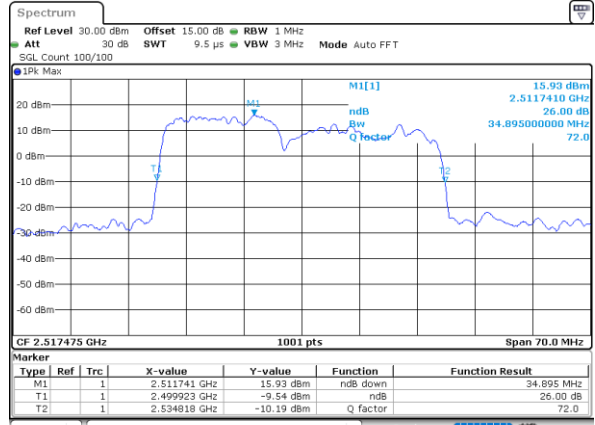
16QAM

Lowest Channel / 15MHz+15MHz



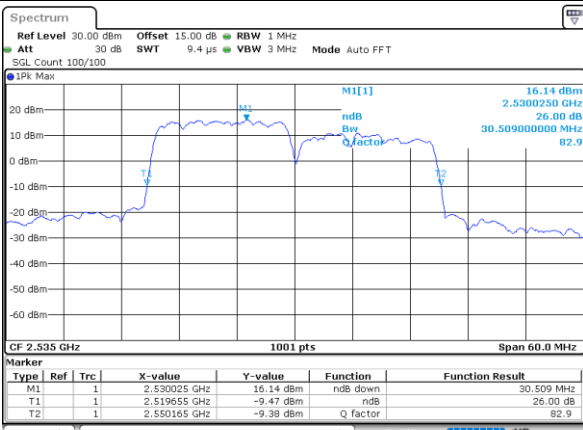
Date: 19\_JUL\_2022 02:14:15

Lowest Channel / 15MHz+20MHz



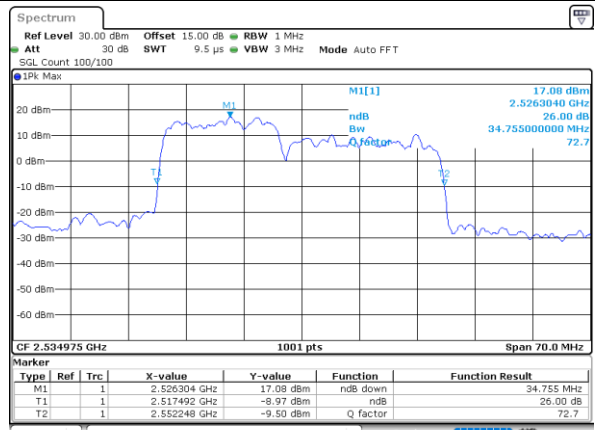
Date: 19\_JUL\_2022 03:25:02

Middle Channel / 15MHz+15MHz



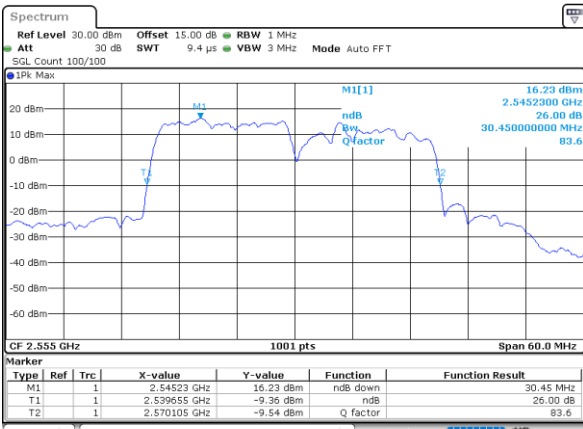
Date: 19\_JUL\_2022 02:42:52

Middle Channel / 15MHz+20MHz



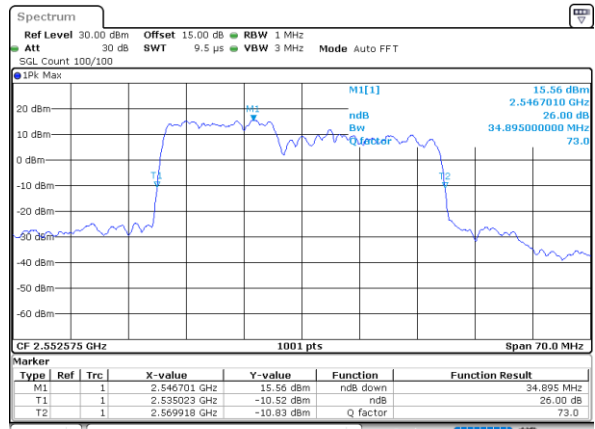
Date: 19\_JUL\_2022 03:25:39

Highest Channel / 15MHz+15MHz



Date: 19\_JUL\_2022 02:56:24

Highest Channel / 15MHz+20MHz



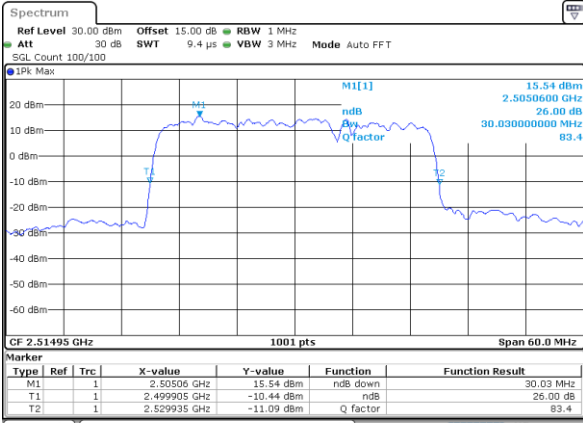
Date: 19\_JUL\_2022 04:07:11



LTE Band 7C

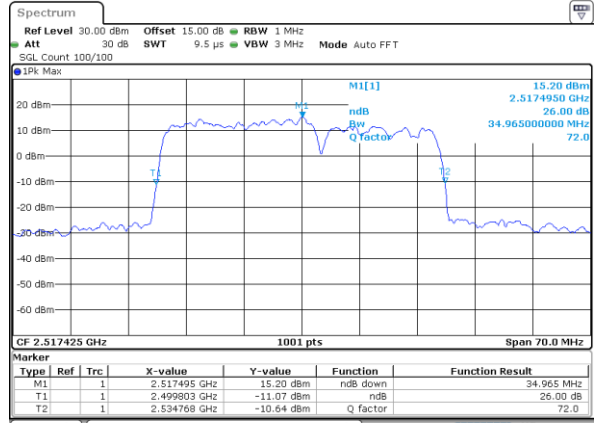
16QAM

Lowest Channel / 20MHz+10MHz



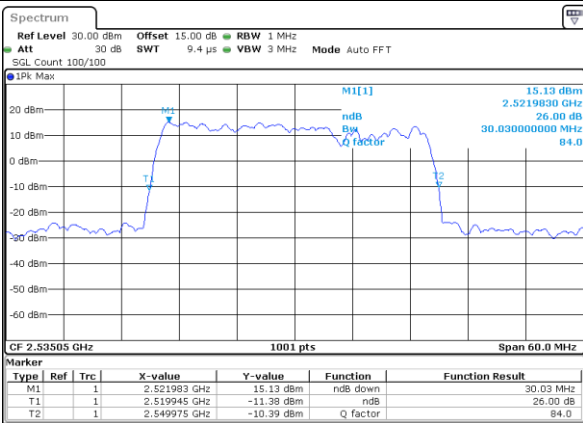
Date: 19\_JUL\_2022 01:03:23

Lowest Channel / 20MHz+15MHz



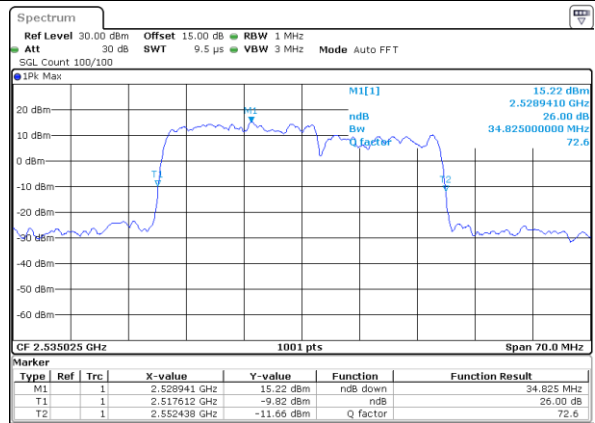
Date: 19\_JUL\_2022 09:14:11

Middle Channel / 20MHz+10MHz



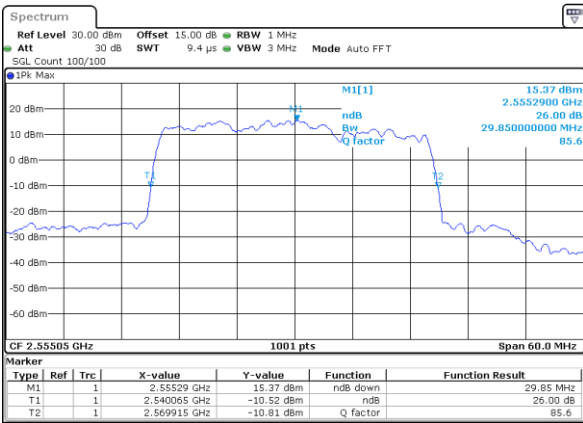
Date: 19\_JUL\_2022 01:32:01

Middle Channel / 20MHz+15MHz



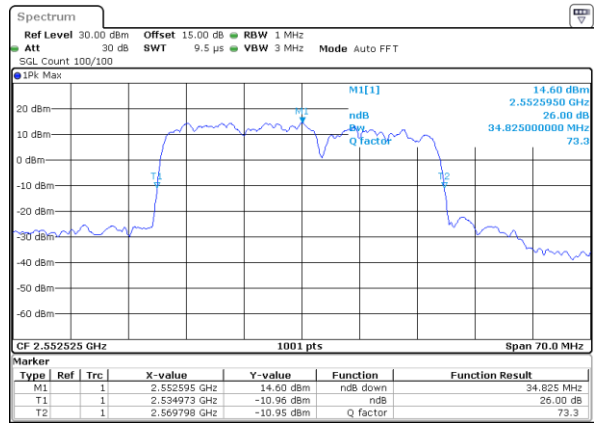
Date: 19\_JUL\_2022 09:36:19

Highest Channel / 20MHz+10MHz



Date: 19\_JUL\_2022 01:45:31

Highest Channel / 20MHz+15MHz



Date: 19\_JUL\_2022 09:52:08

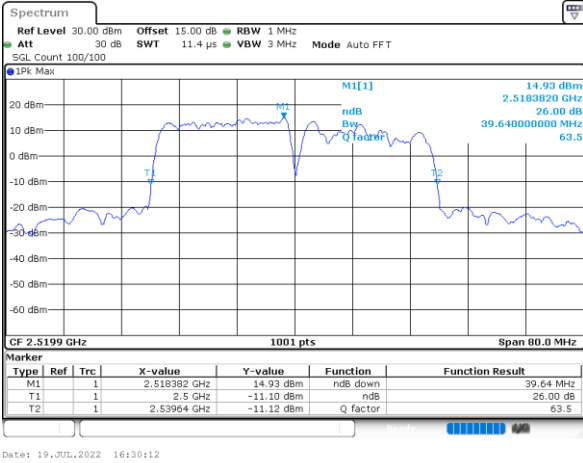


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

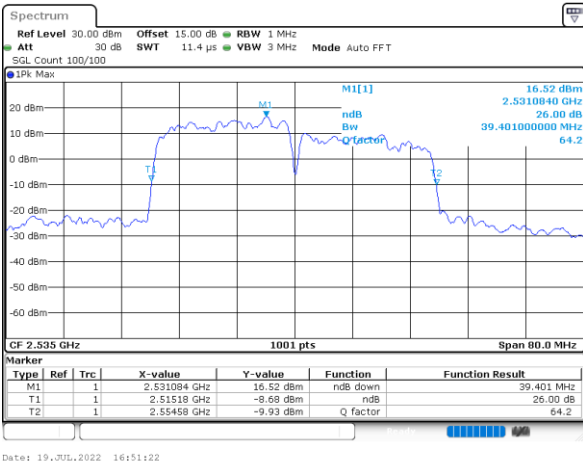
N/A



Date: 19\_JUL\_2022 16:30:12

Middle Channel / 20MHz+20MHz

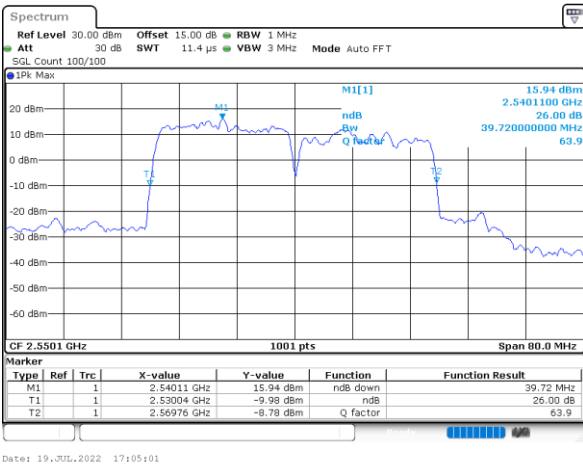
N/A



Date: 19\_JUL\_2022 16:51:22

Highest Channel / 20MHz+20MHz

N/A



Date: 19\_JUL\_2022 17:05:01

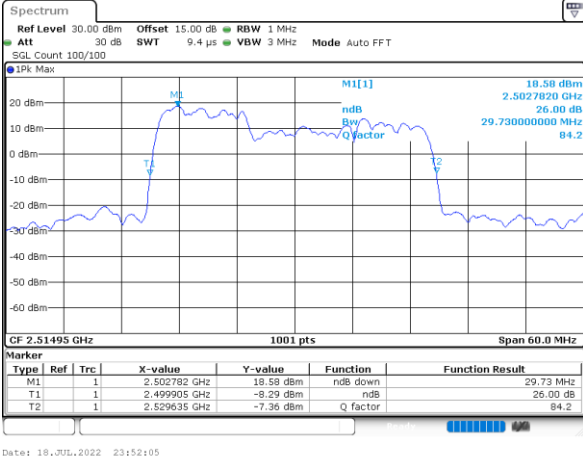


LTE Band 7C

64QAM

Lowest Channel / 10MHz+20MHz

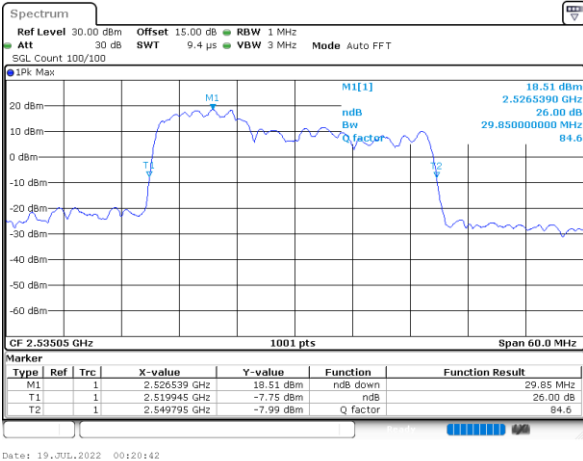
N/A



Date: 18\_JUL\_2022 23:52:05

Middle Channel / 10MHz+20MHz

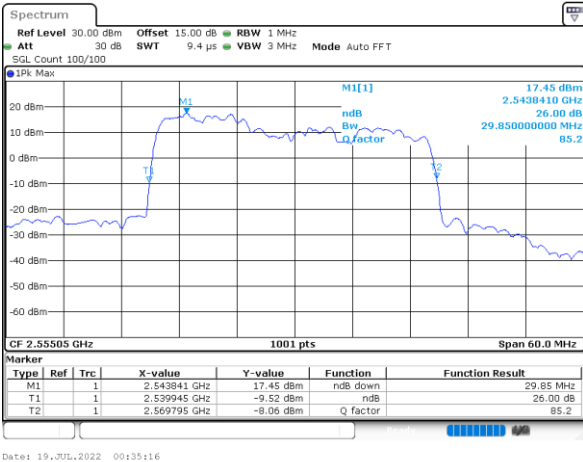
N/A



Date: 19\_JUL\_2022 00:20:42

Highest Channel / 10MHz+20MHz

N/A



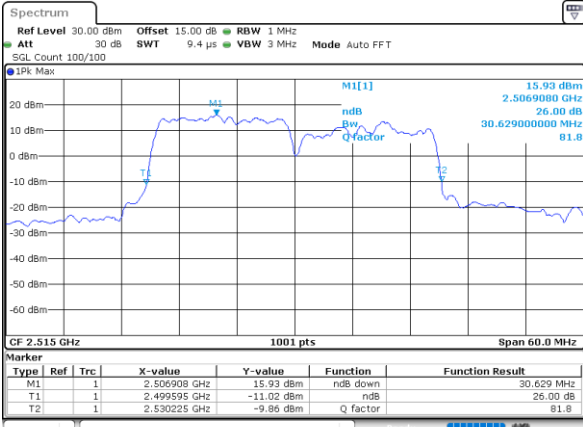
Date: 19\_JUL\_2022 00:35:16



LTE Band 7C

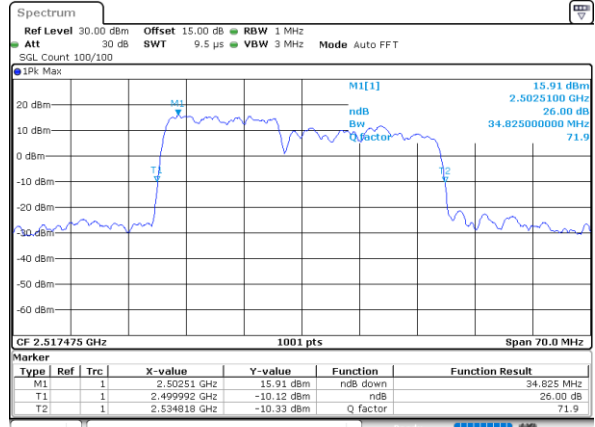
64QAM

Lowest Channel / 15MHz+15MHz



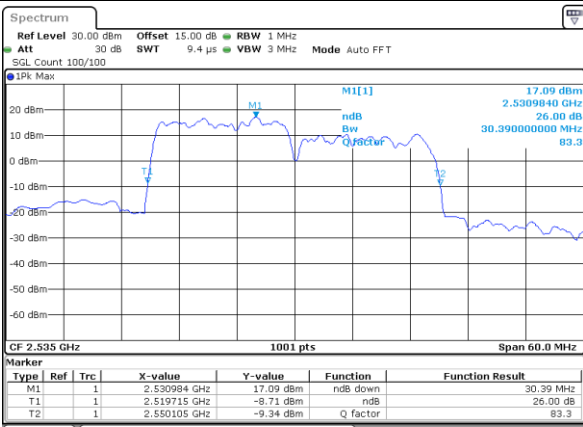
Date: 19\_JUL\_2022 02:13:45

Lowest Channel / 15MHz+20MHz



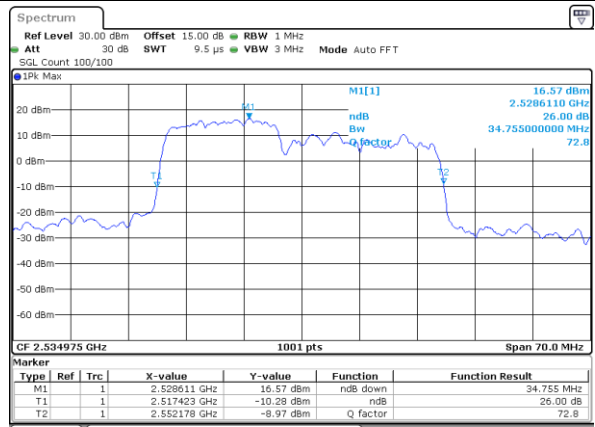
Date: 19\_JUL\_2022 03:24:32

Middle Channel / 15MHz+15MHz



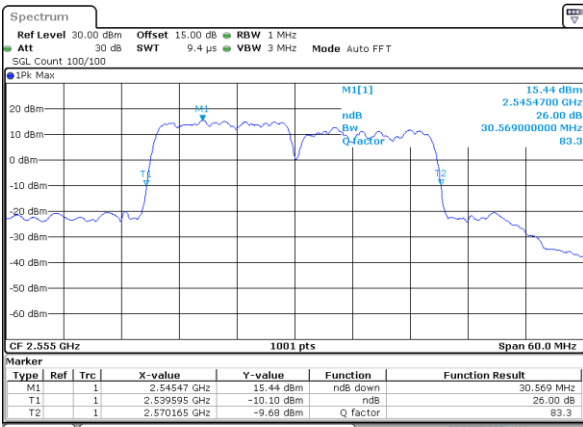
Date: 19\_JUL\_2022 02:42:22

Middle Channel / 15MHz+20MHz



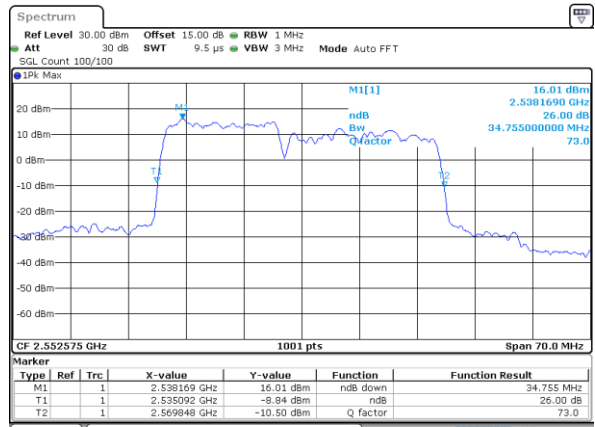
Date: 19\_JUL\_2022 03:53:09

Highest Channel / 15MHz+15MHz



Date: 19\_JUL\_2022 02:56:54

Highest Channel / 15MHz+20MHz



Date: 19\_JUL\_2022 04:07:41

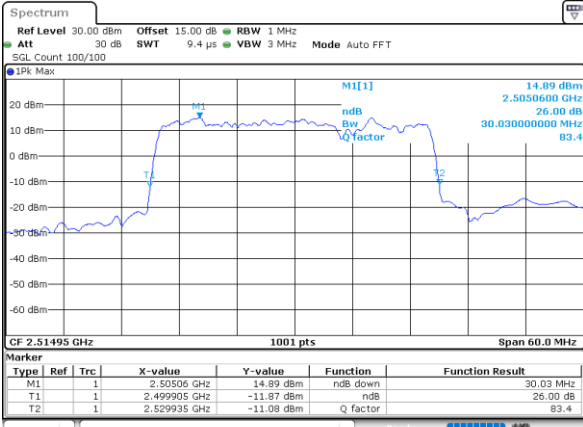




LTE Band 7C

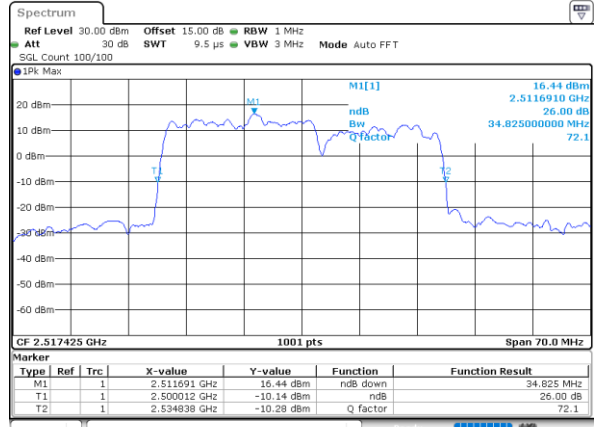
64QAM

Lowest Channel / 20MHz+10MHz



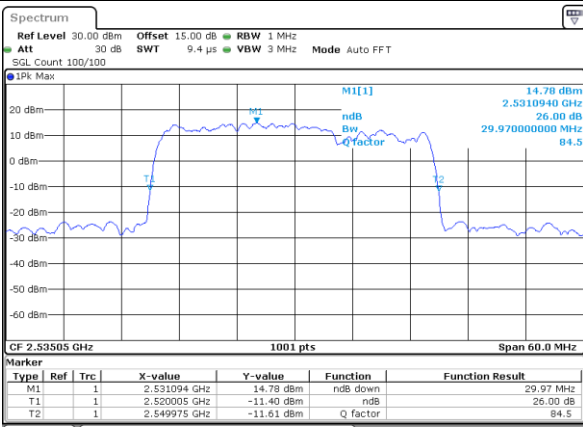
Date: 19\_JUL\_2022 01:02:53

Lowest Channel / 20MHz+15MHz



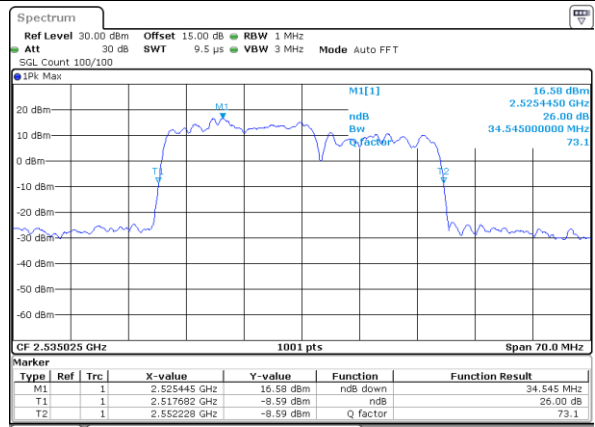
Date: 19\_JUL\_2022 09:13:42

Middle Channel / 20MHz+10MHz



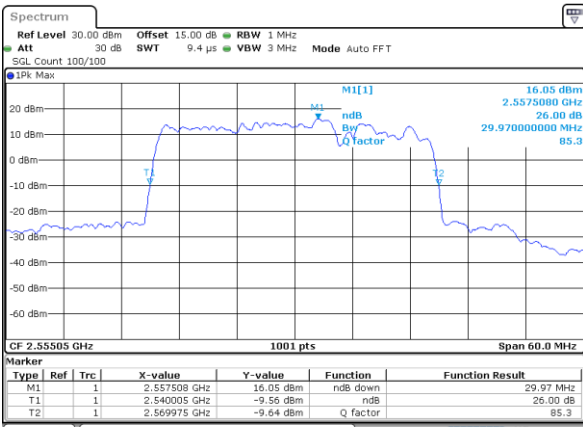
Date: 19\_JUL\_2022 01:31:31

Middle Channel / 20MHz+15MHz



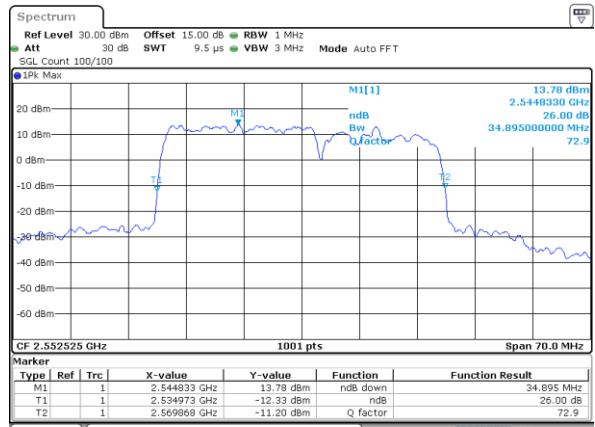
Date: 19\_JUL\_2022 09:35:49

Highest Channel / 20MHz+10MHz



Date: 19\_JUL\_2022 01:46:01

Highest Channel / 20MHz+15MHz



Date: 19\_JUL\_2022 09:52:38

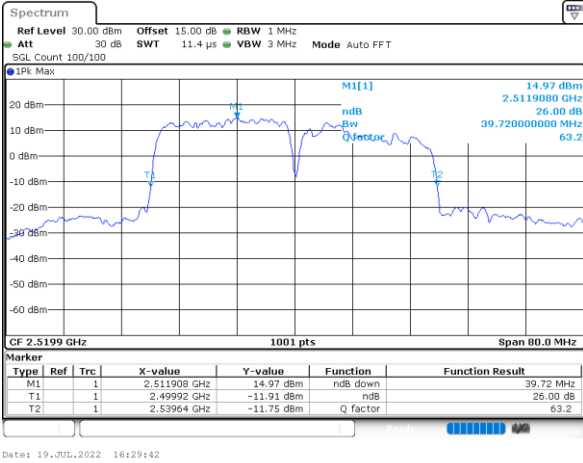


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

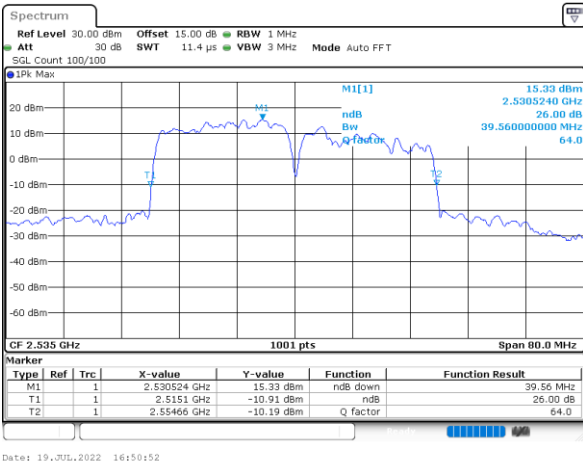
N/A



Date: 19\_JUL\_2022 16:29:42

Middle Channel / 20MHz+20MHz

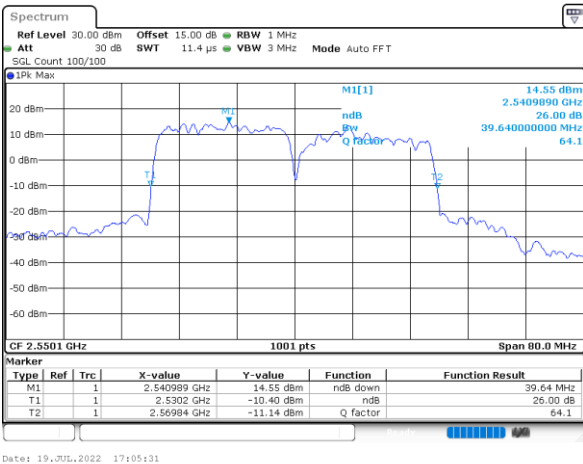
N/A



Date: 19\_JUL\_2022 16:50:52

Highest Channel / 20MHz+20MHz

N/A



Date: 19\_JUL\_2022 17:05:13



### Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.11	-	28.65	32.80
Middle CH	27.87	-	28.47	32.38
Highest CH	27.75	-	28.47	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.05	32.73	37.48	-
Middle CH	27.99	32.24	36.92	-
Highest CH	27.99	32.52	37.56	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.17	-	28.83	32.87
Middle CH	27.75	-	28.17	33.01
Highest CH	27.87	-	28.53	32.52
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.05	32.52	37.08	-
Middle CH	28.05	32.94	37.56	-
Highest CH	27.63	32.45	37.32	-

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	N/A	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.11	-	28.65	32.66
Middle CH	27.57	-	28.41	32.17
Highest CH	27.51	-	28.53	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.05	33.08	37.16	-
Middle CH	27.63	32.52	36.84	-
Highest CH	27.81	32.45	37.40	-

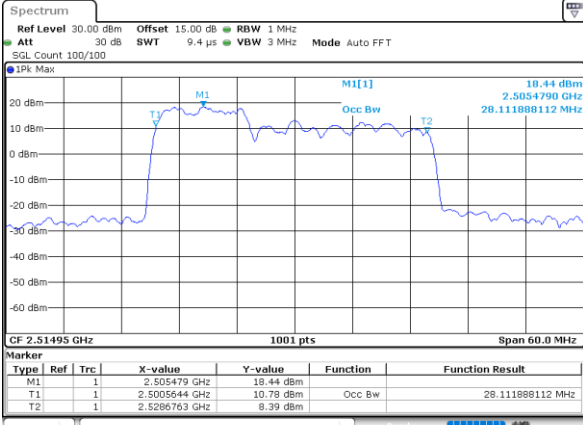


LTE Band 7C

QPSK

Lowest Channel / 10MHz+20MHz

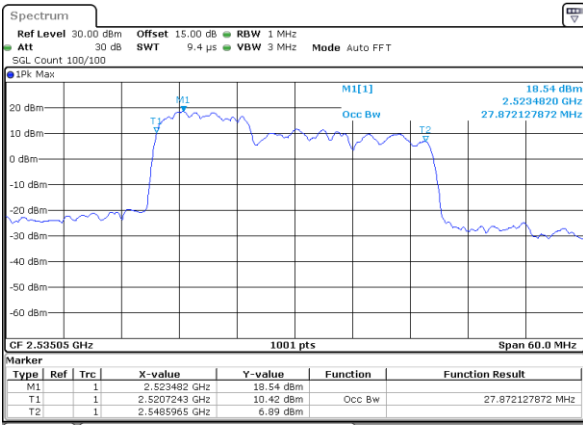
N/A



Date: 18\_JUL\_2022 23:50:35

Middle Channel / 10MHz+20MHz

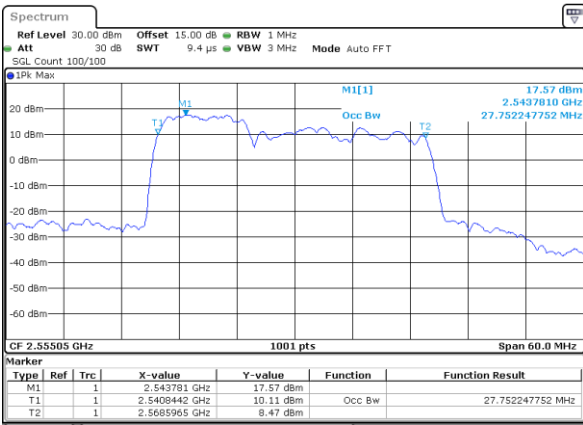
N/A



Date: 19\_JUL\_2022 00:19:12

Highest Channel / 10MHz+20MHz

N/A



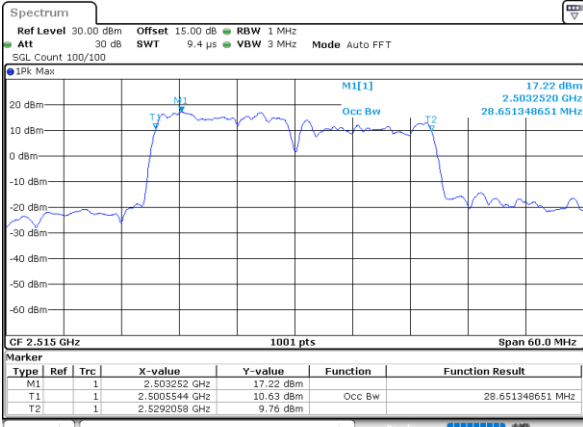
Date: 19\_JUL\_2022 00:33:46



LTE Band 7C

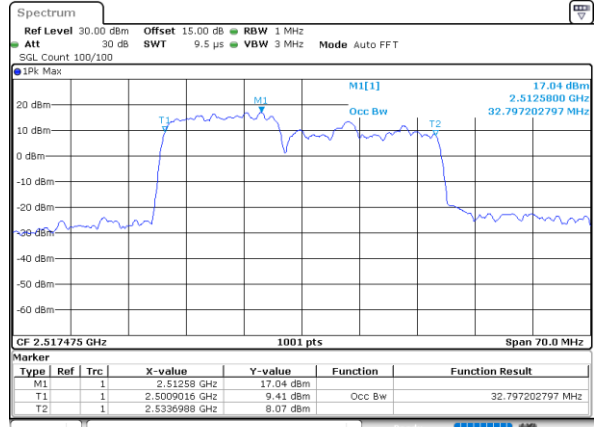
QPSK

Lowest Channel / 15MHz+15MHz



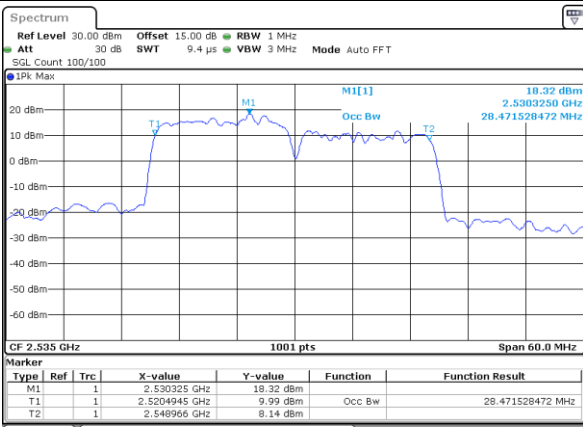
Date: 19\_JUL\_2022 02:12:16

Lowest Channel / 15MHz+20MHz



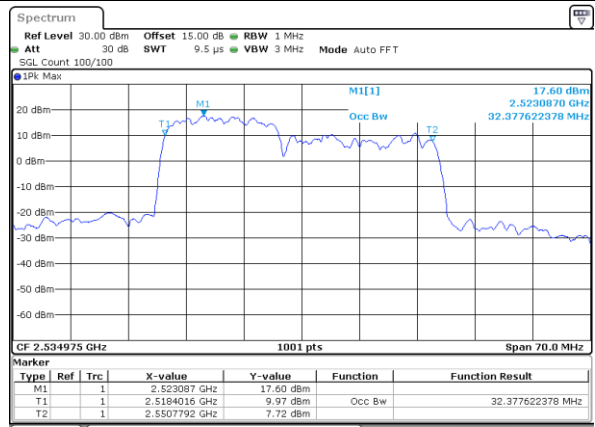
Date: 19\_JUL\_2022 03:23:02

Middle Channel / 15MHz+15MHz



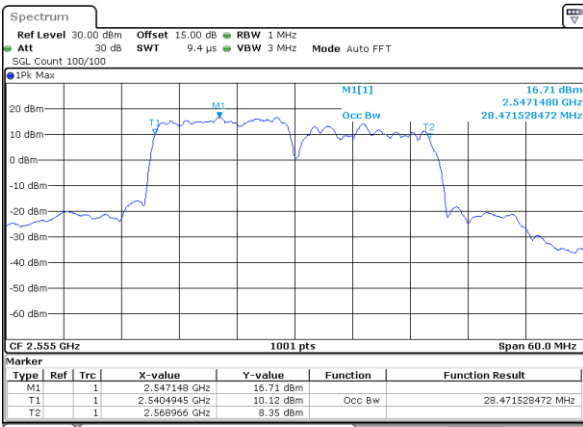
Date: 19\_JUL\_2022 02:40:52

Middle Channel / 15MHz+20MHz



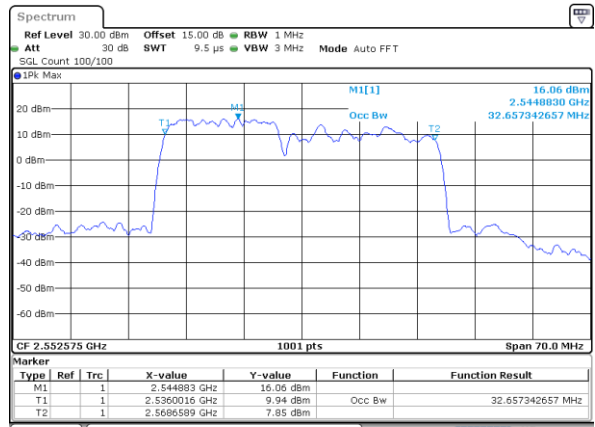
Date: 19\_JUL\_2022 03:51:39

Highest Channel / 15MHz+15MHz



Date: 19\_JUL\_2022 02:55:25

Highest Channel / 15MHz+20MHz



Date: 19\_JUL\_2022 04:06:11