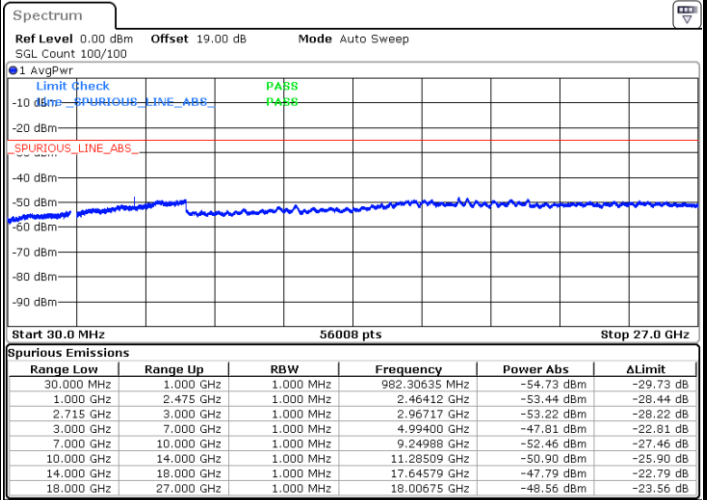
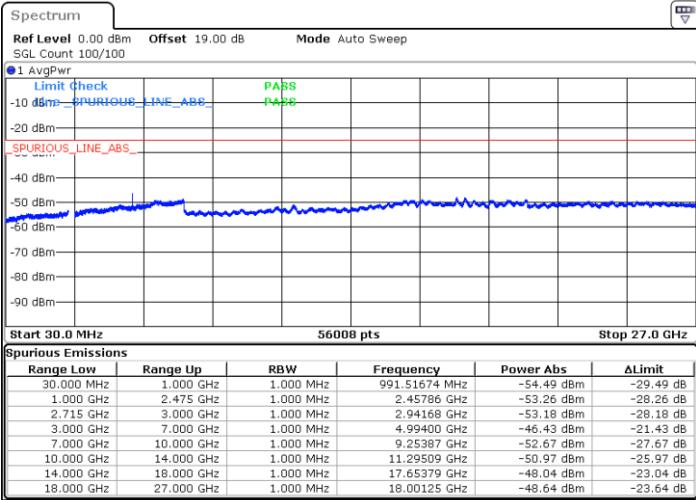




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

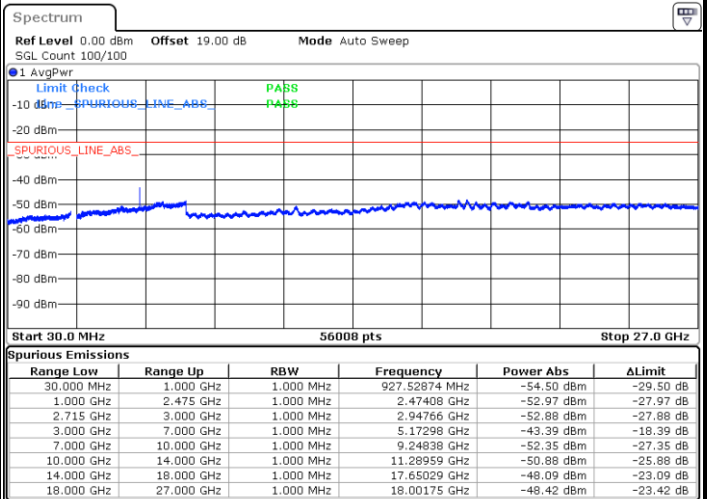
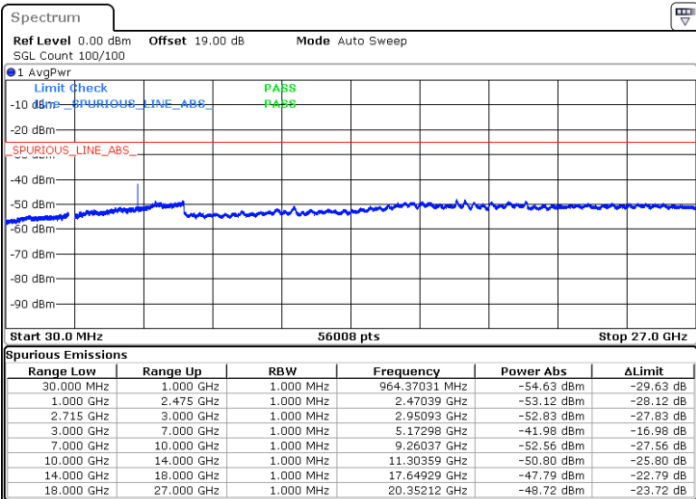


Date: 1.JUL.2021 00:35:17

Date: 1.JUL.2021 00:36:29

Middle Channel / QPSK

Middle Channel / 16QAM



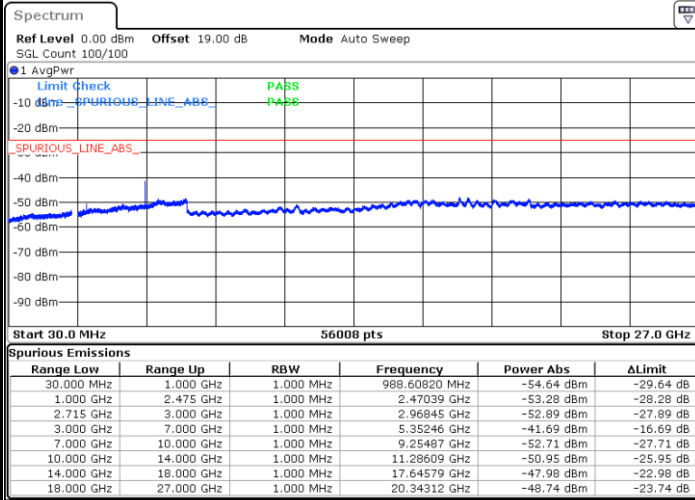
Date: 1.JUL.2021 00:37:42

Date: 1.JUL.2021 00:38:55



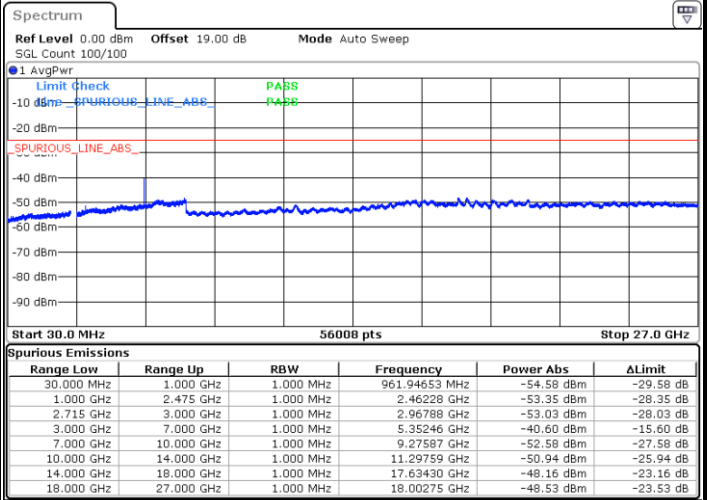
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 1.JUL.2021 00:40:08

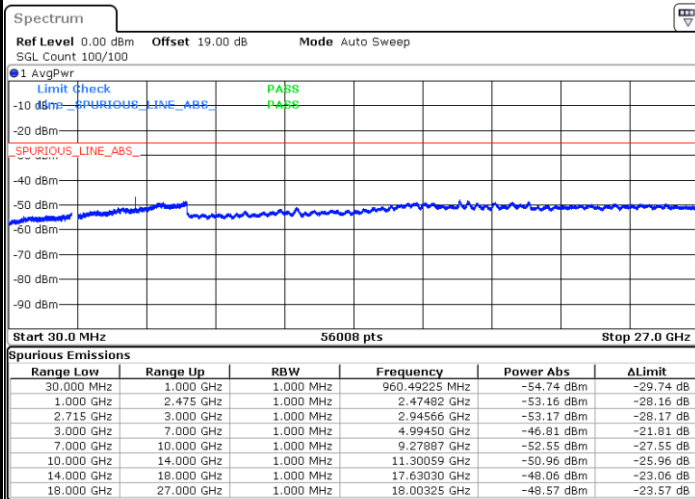
Highest Channel / 16QAM



Date: 1.JUL.2021 00:41:20

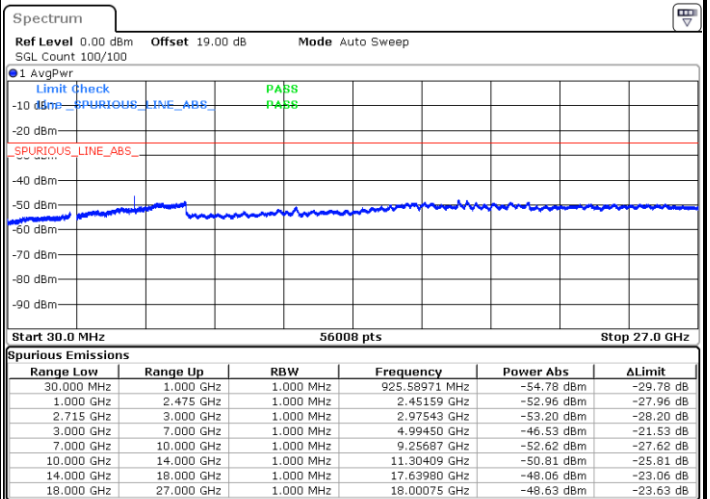
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 1.JUL.2021 00:46:15

Lowest Channel / 16QAM



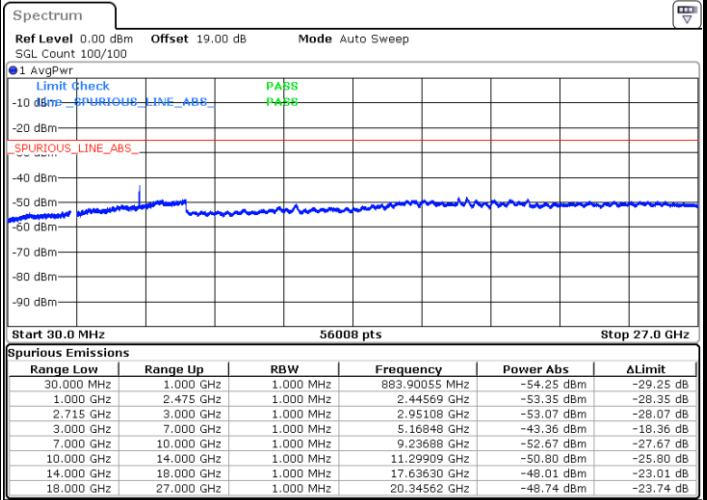
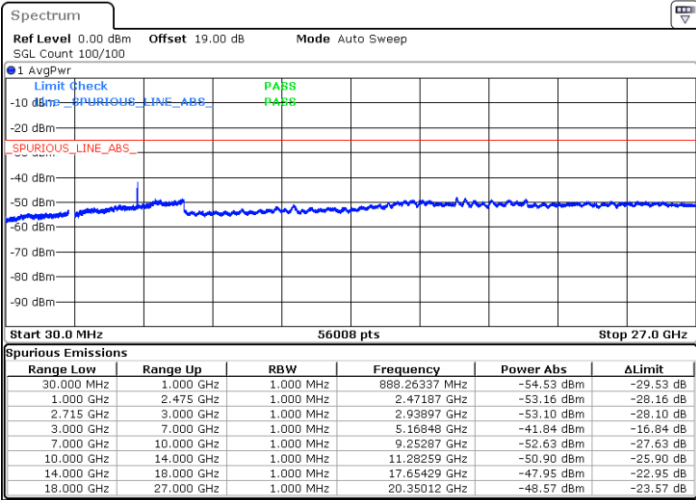
Date: 1.JUL.2021 00:47:28



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

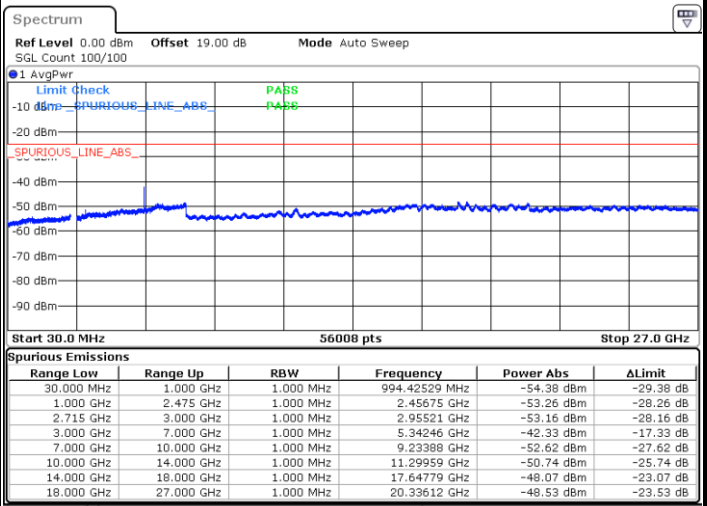
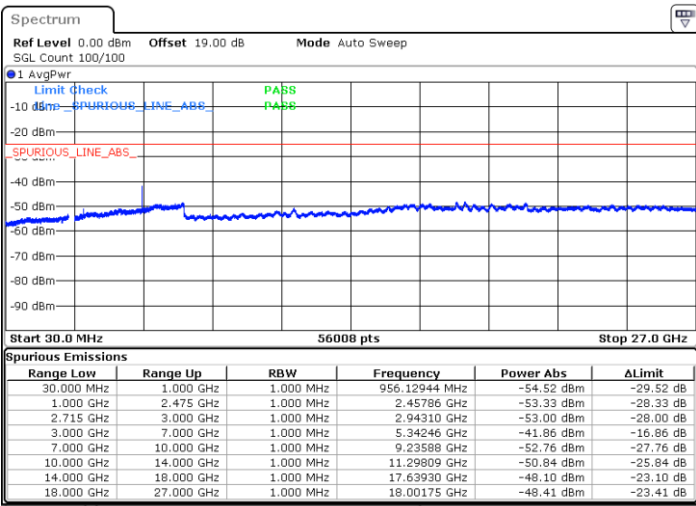


Date: 1.JUL.2021 00:48:41

Date: 1.JUL.2021 00:49:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.JUL.2021 00:51:07

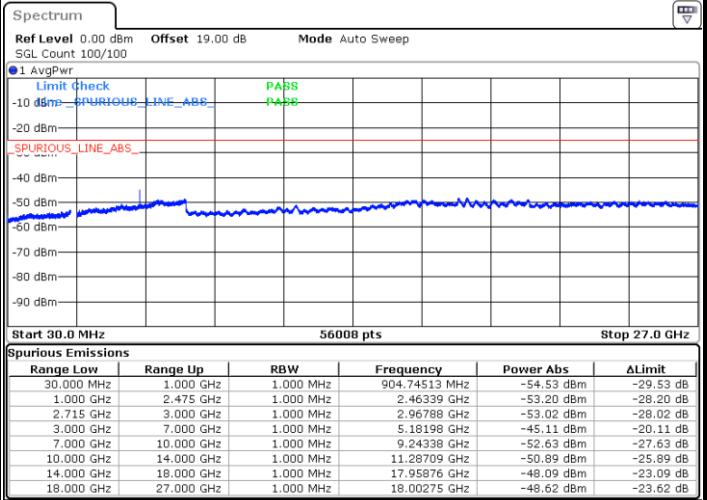
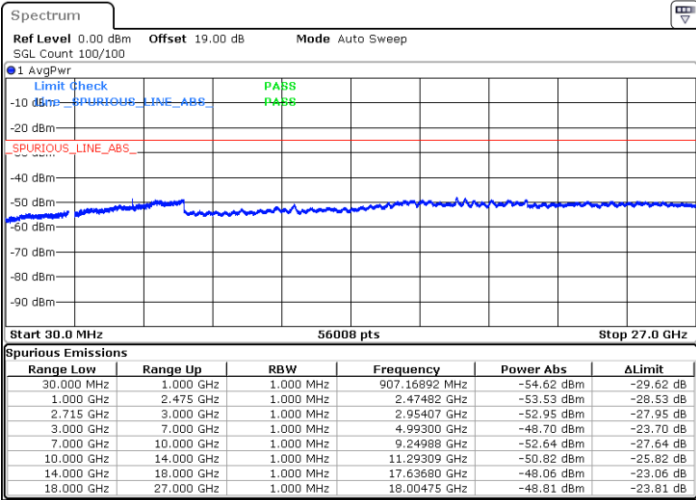
Date: 1.JUL.2021 00:52:20



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

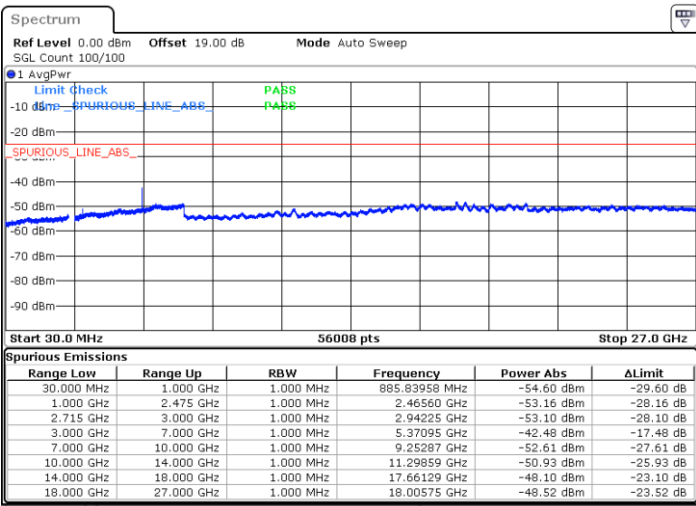
Middle Channel / 64QAM



Date: 1.JUL.2021 00:20:35

Date: 1.JUL.2021 00:21:48

Highest Channel / 64QAM



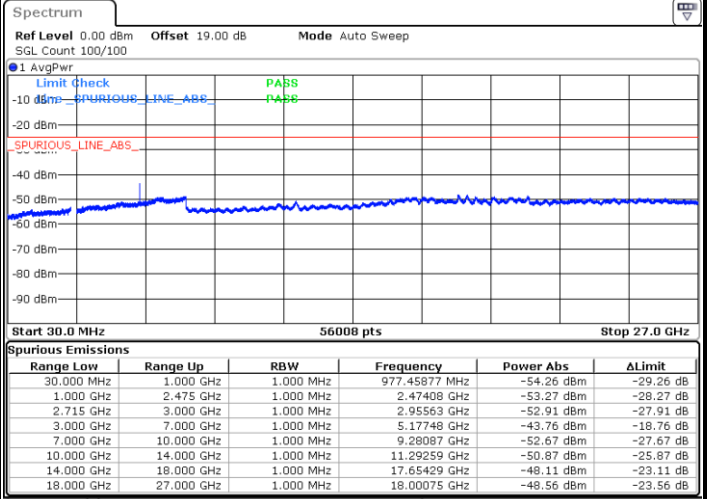
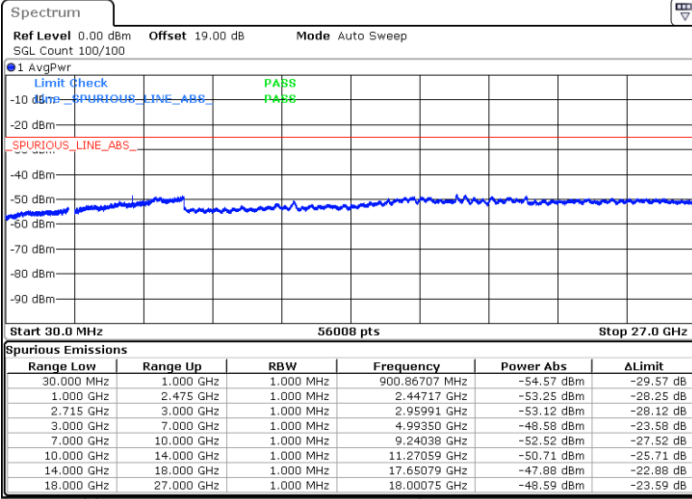
Date: 1.JUL.2021 00:23:01



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

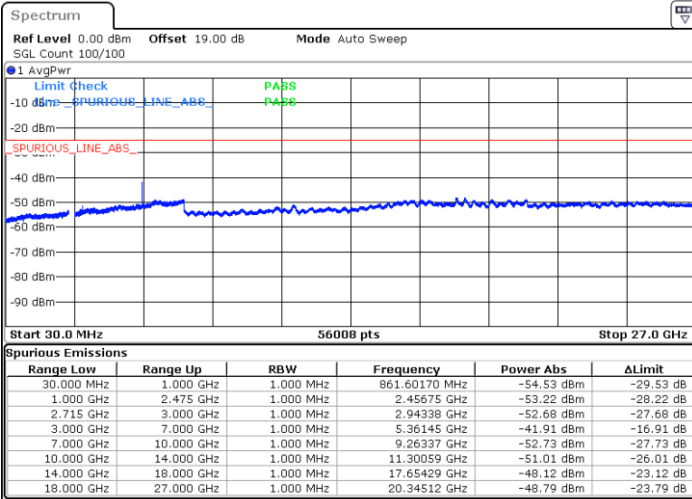
Middle Channel / 64QAM



Date: 1.JUL.2021 00:24:17

Date: 1.JUL.2021 00:25:30

Highest Channel / 64QAM

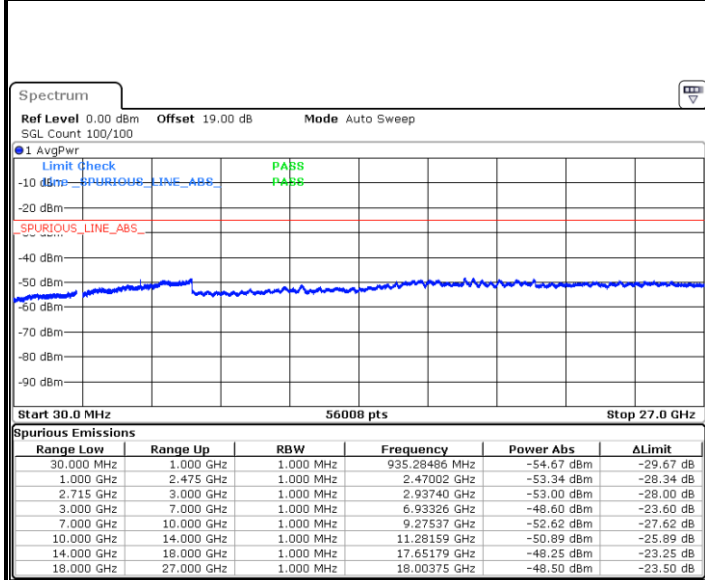


Date: 1.JUL.2021 00:26:43



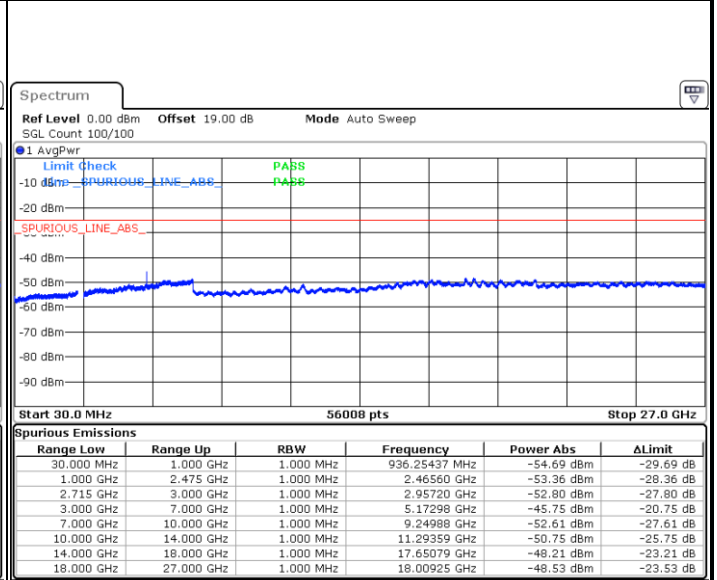
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



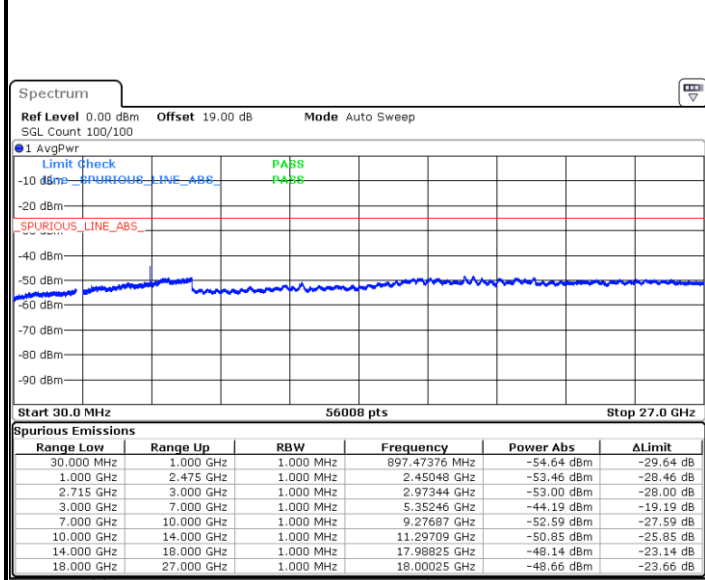
Date: 1.JUL.2021 00:42:33

Middle Channel / 64QAM



Date: 1.JUL.2021 00:43:46

Highest Channel / 64QAM



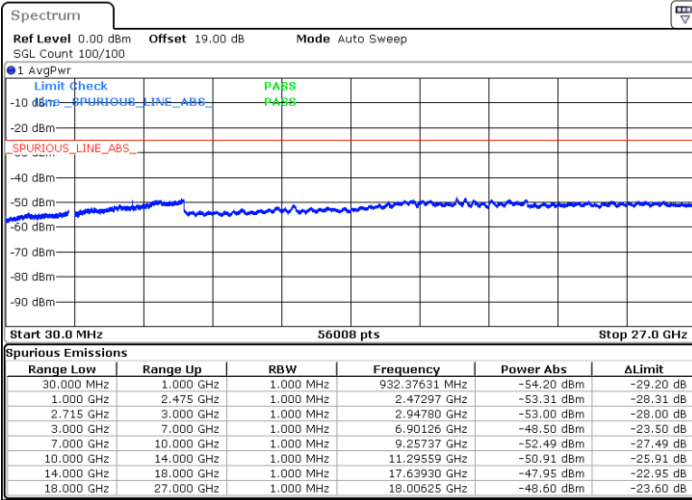
Date: 1.JUL.2021 00:44:59



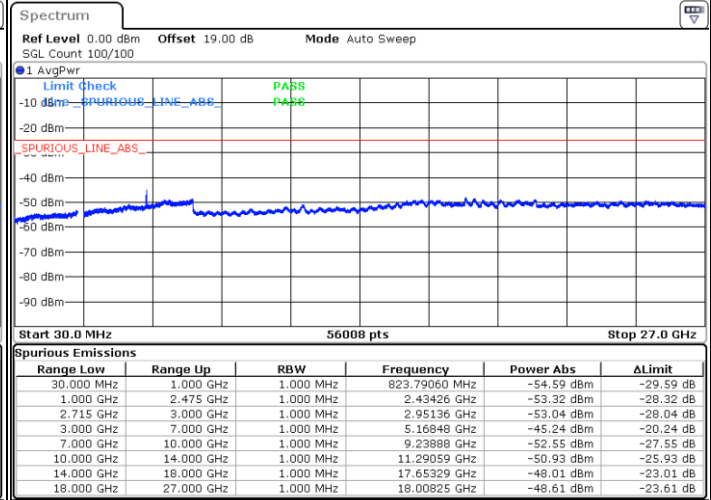
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

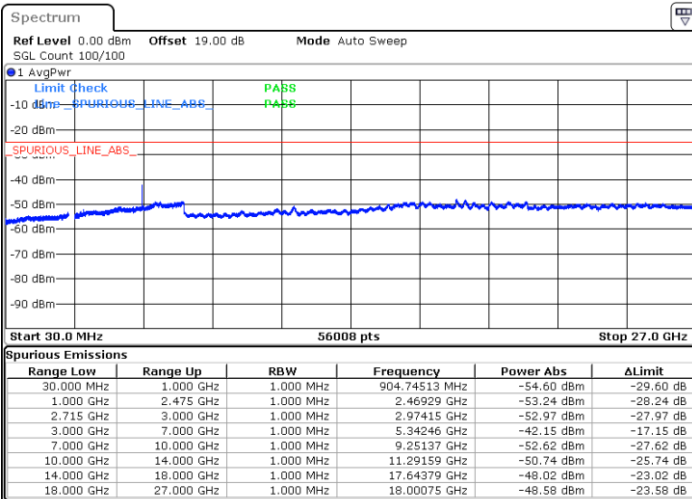


Date: 1.JUL.2021 00:53:32



Date: 1.JUL.2021 00:54:45

Highest Channel / 64QAM



Date: 1.JUL.2021 00:55:58



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	0.0000	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 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 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)					
	QPSK					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	29.85	30.51	34.90	32.55	34.83	39.80
Middle CH	29.91	30.57	34.90	29.97	34.83	39.88
Highest CH	29.73	30.63	34.69	29.97	34.90	39.72

Mode	LTE Band 41C : 26dB BW(MHz)					
	16QAM					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	29.91	30.39	34.83	30.15	34.76	39.72
Middle CH	29.79	30.57	34.76	30.03	34.97	39.64
Highest CH	29.55	30.51	34.90	29.91	34.76	39.80

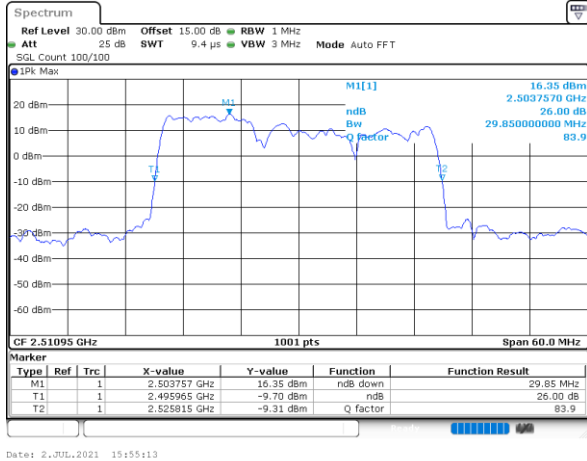
Mode	LTE Band 41C : 26dB BW(MHz)					
	64QAM					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	29.73	30.39	34.83	30.09	34.90	39.72
Middle CH	29.79	30.57	34.76	30.03	34.97	39.80
Highest CH	29.67	30.51	34.76	29.97	34.62	39.72



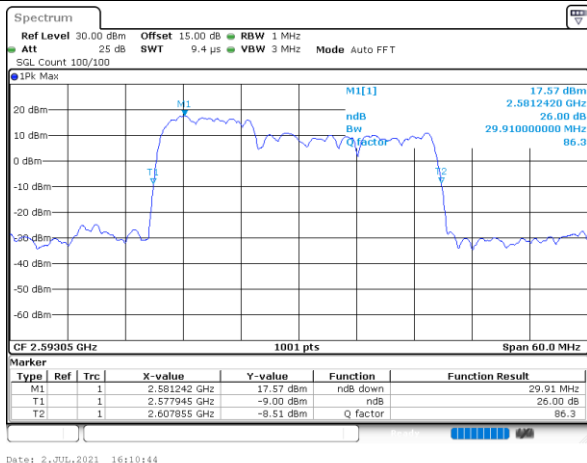
LTE Band 41C

QPSK

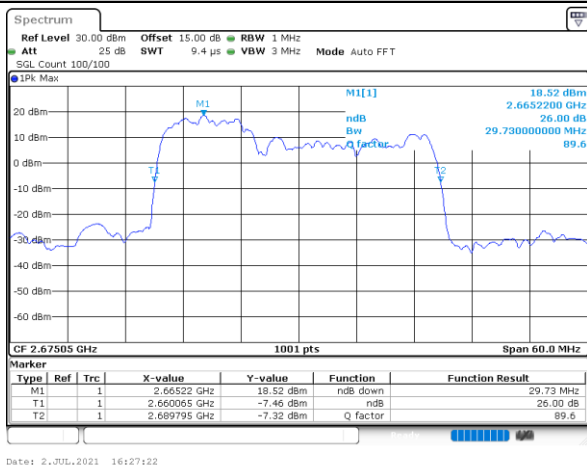
Lowest Channel / 10MHz+20MHz



Middle Channel / 10MHz+20MHz



Highest Channel / 10MHz+20MHz

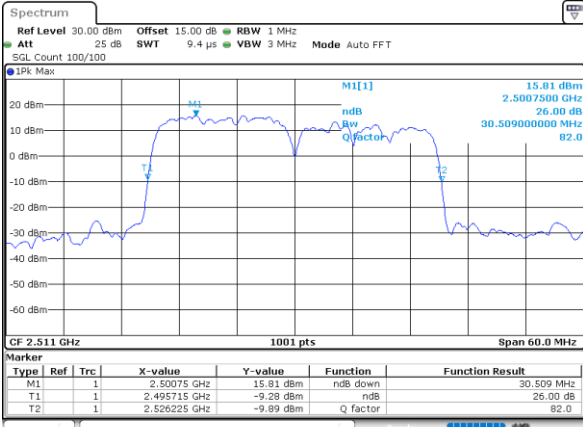




LTE Band 41C

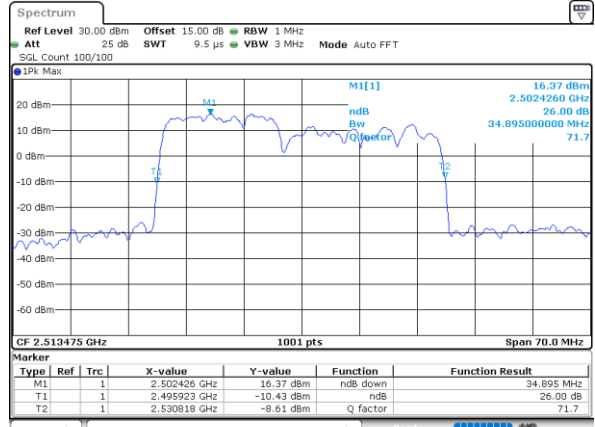
QPSK

Lowest Channel / 15MHz+15MHz



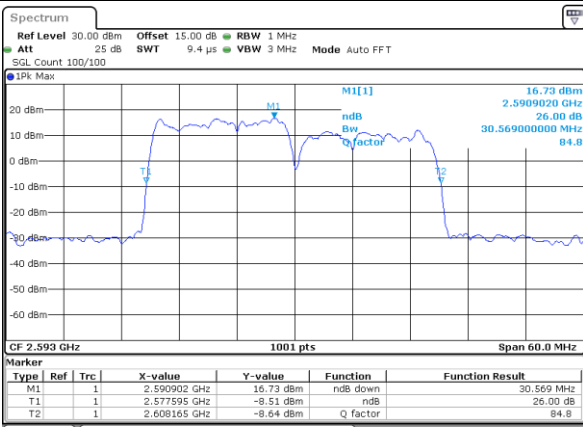
Date: 5 JUL 2021 08:50:29

Lowest Channel / 15MHz+20MHz



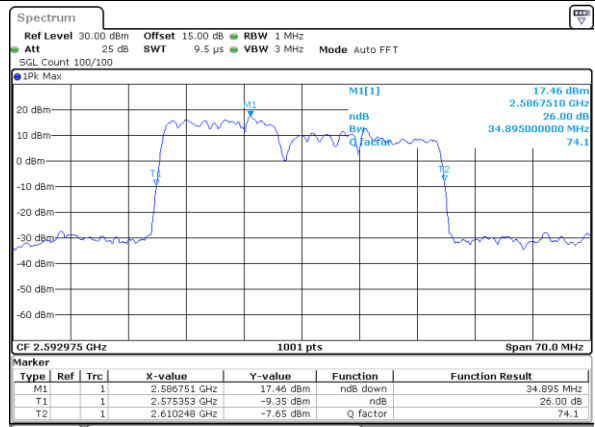
Date: 5 JUL 2021 10:18:37

Middle Channel / 15MHz+15MHz



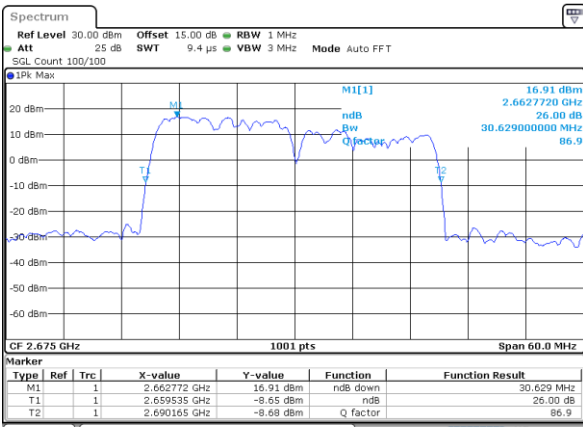
Date: 5 JUL 2021 09:13:22

Middle Channel / 15MHz+20MHz



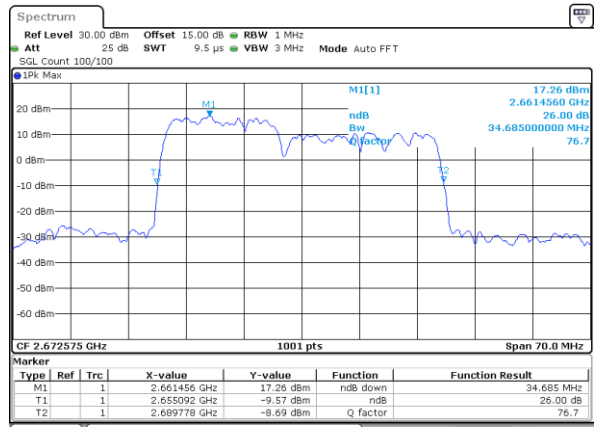
Date: 5 JUL 2021 10:33:54

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:42:52

Highest Channel / 15MHz+20MHz



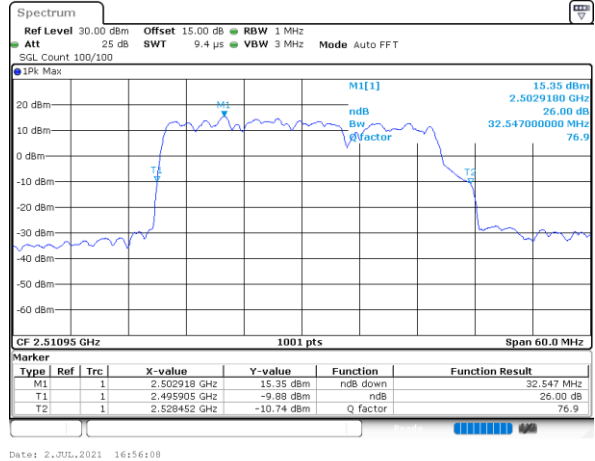
Date: 5 JUL 2021 10:48:18



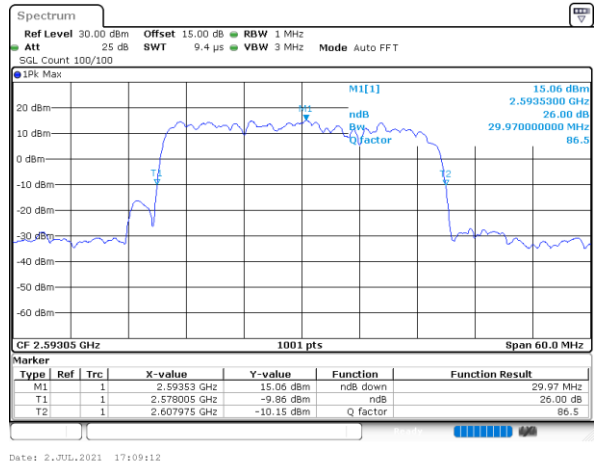
LTE Band 41C

QPSK

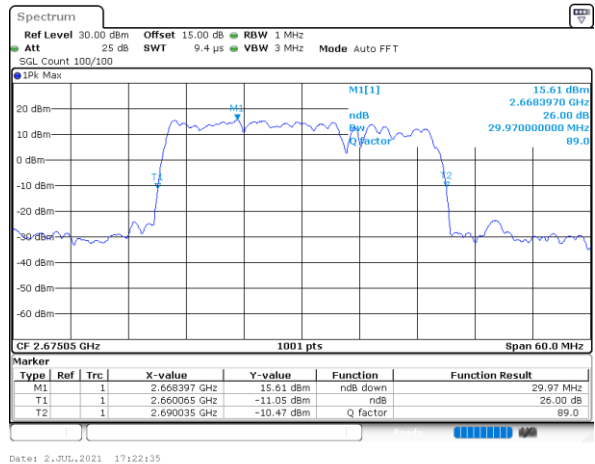
Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

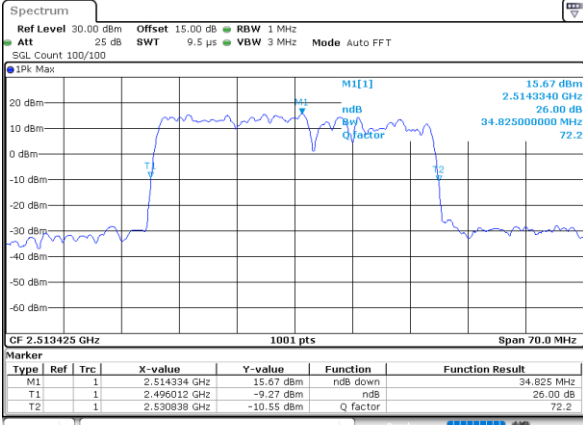




LTE Band 41C

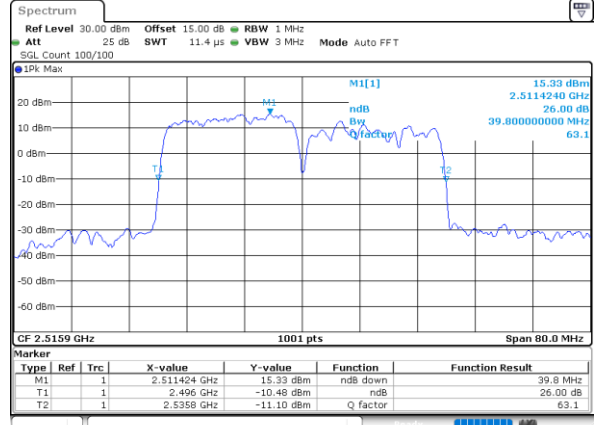
QPSK

Lowest Channel / 20MHz+15MHz



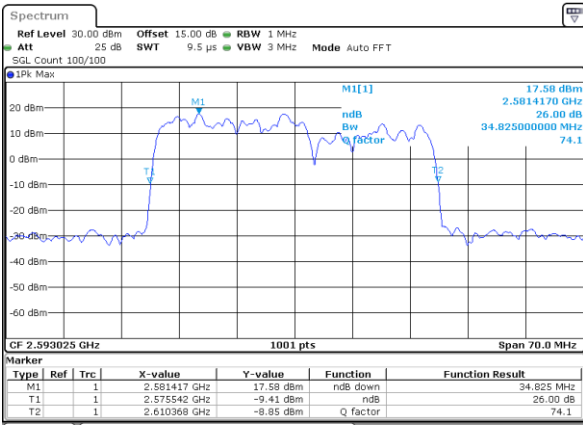
Date: 5 JUL 2021 11:06:49

Lowest Channel / 20MHz+20MHz



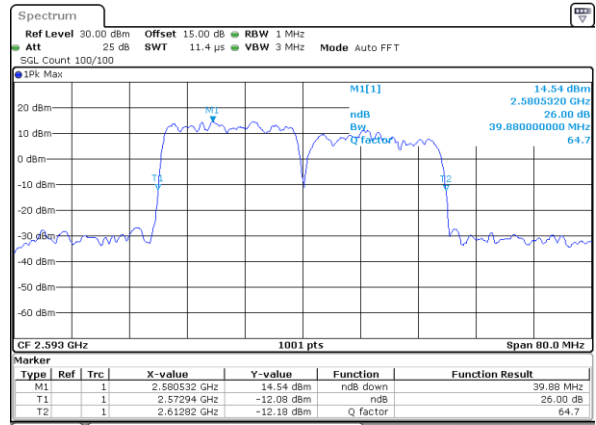
Date: 6 JUL 2021 11:21:52

Middle Channel / 20MHz+15MHz



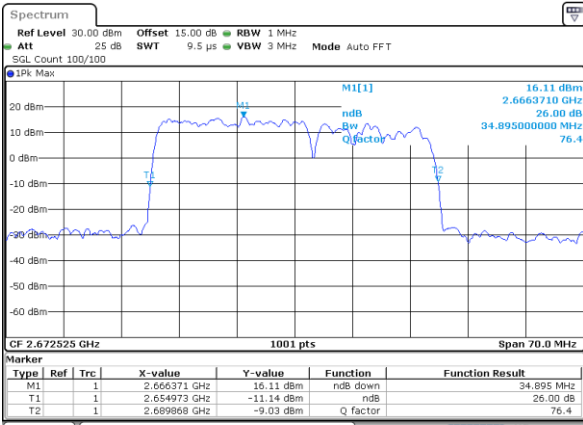
Date: 5 JUL 2021 11:09:02

Middle Channel / 20MHz+20MHz



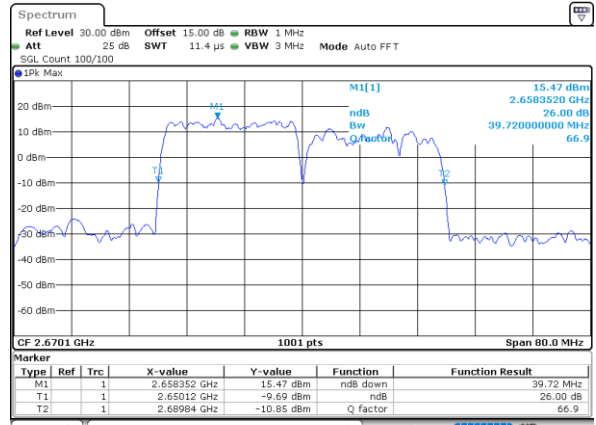
Date: 2 JUL 2021 23:11:40

Highest Channel / 20MHz+15MHz



Date: 5 JUL 2021 11:14:05

Highest Channel / 20MHz+20MHz



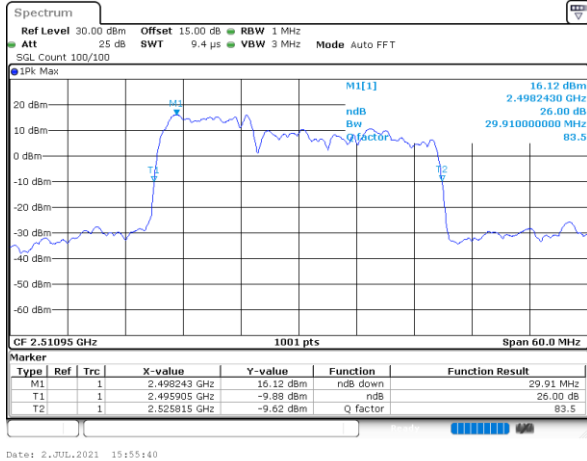
Date: 6 JUL 2021 11:21:14



LTE Band 41C

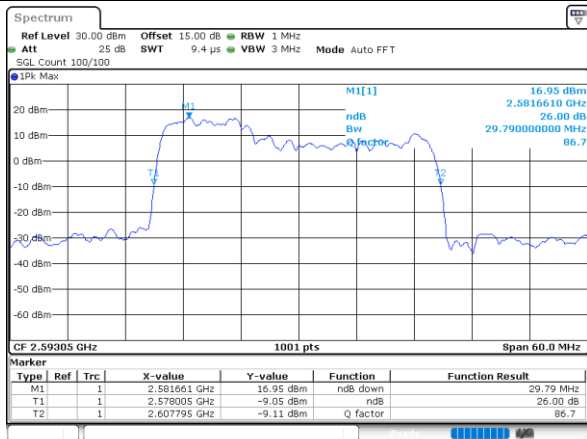
16QAM

Lowest Channel / 10MHz+20MHz



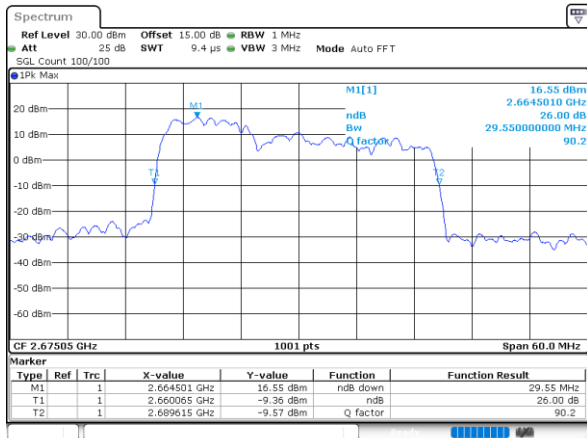
Date: 2..JUL.2021 15:55:40

Middle Channel / 10MHz+20MHz



Date: 2..JUL.2021 16:11:09

Highest Channel / 10MHz+20MHz



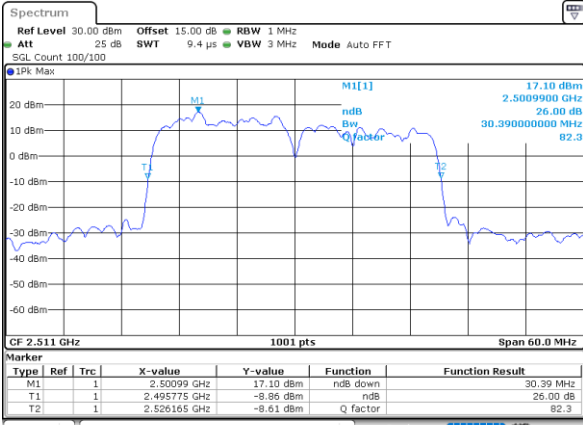
Date: 2..JUL.2021 16:27:53



LTE Band 41C

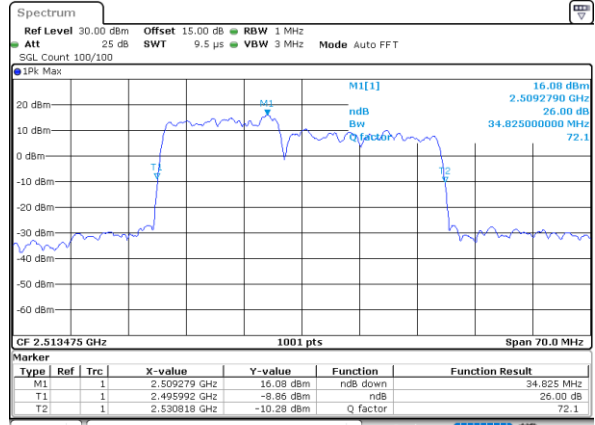
16QAM

Lowest Channel / 15MHz+15MHz



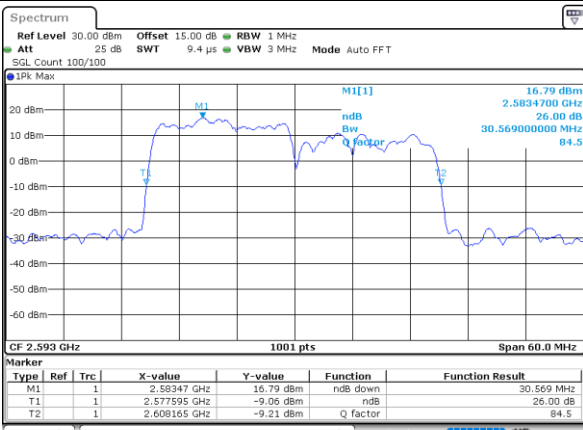
Date: 5 JUL 2021 08:51:08

Lowest Channel / 15MHz+20MHz



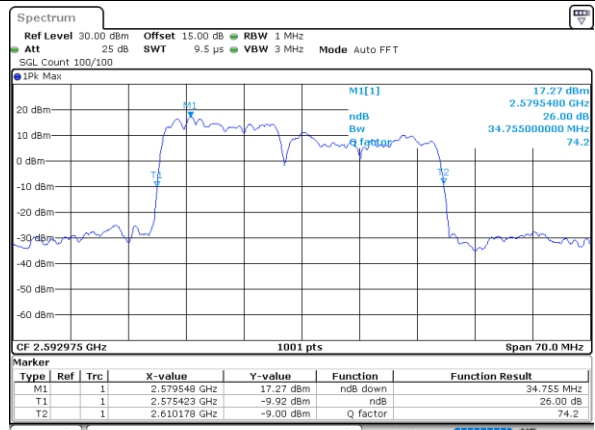
Date: 5 JUL 2021 10:19:14

Middle Channel / 15MHz+15MHz



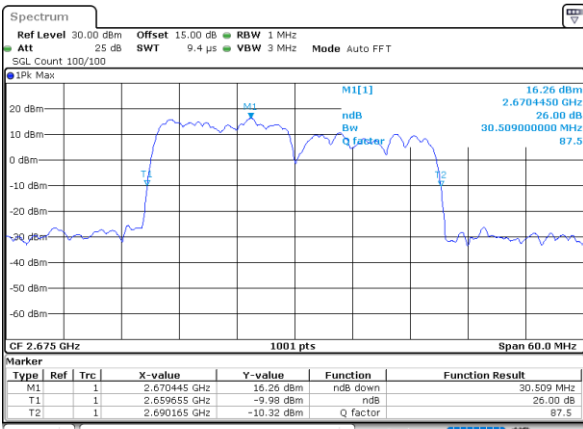
Date: 5 JUL 2021 09:13:50

Middle Channel / 15MHz+20MHz



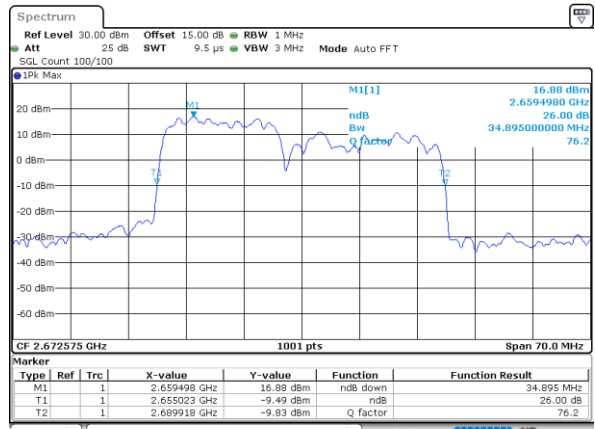
Date: 5 JUL 2021 10:34:47

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:43:20

Highest Channel / 15MHz+20MHz



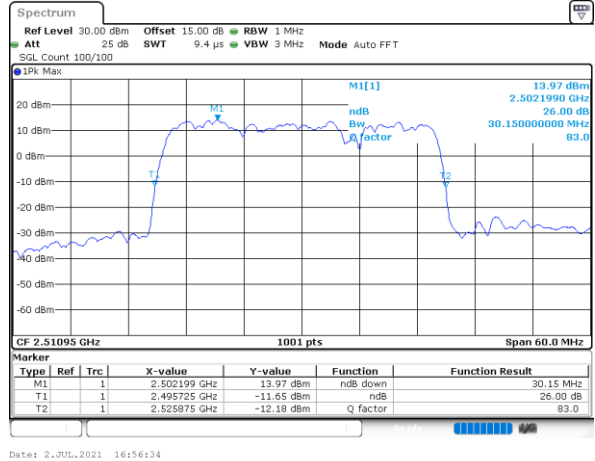
Date: 5 JUL 2021 10:48:45



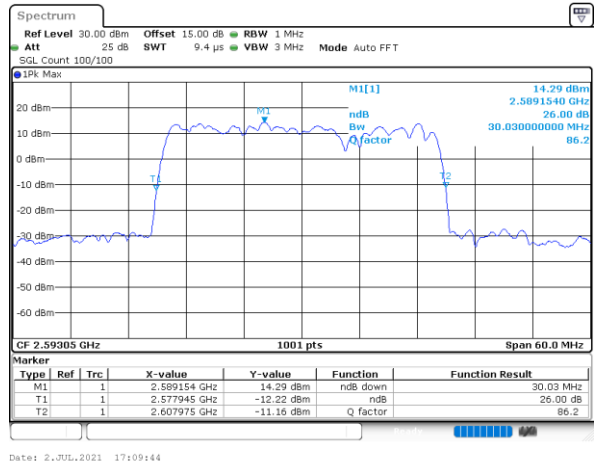
LTE Band 41C

16QAM

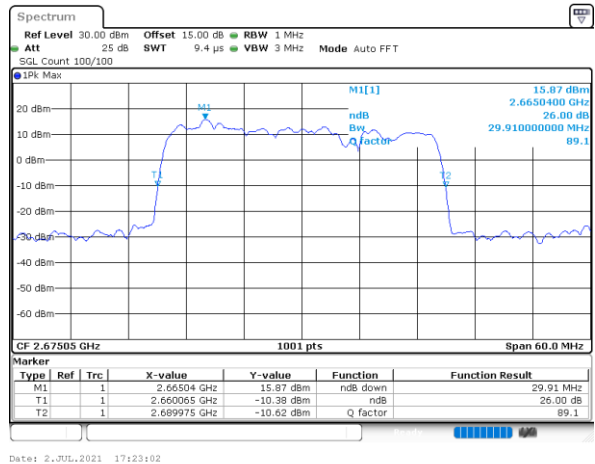
Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

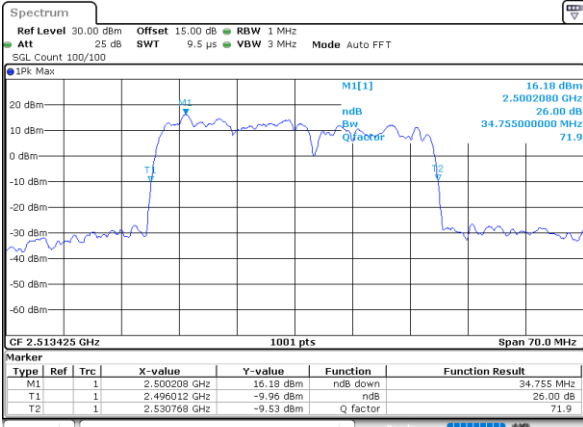




LTE Band 41C

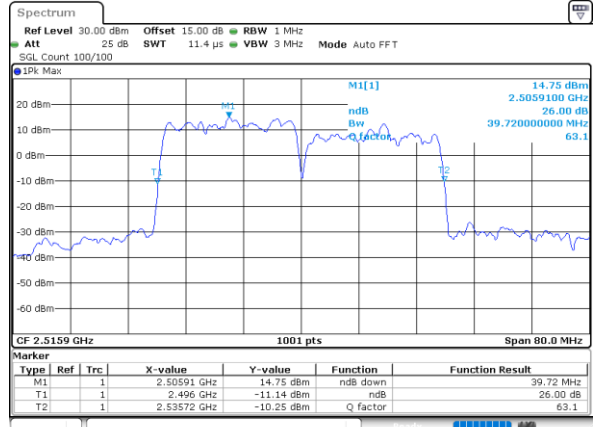
16QAM

Lowest Channel / 20MHz+15MHz



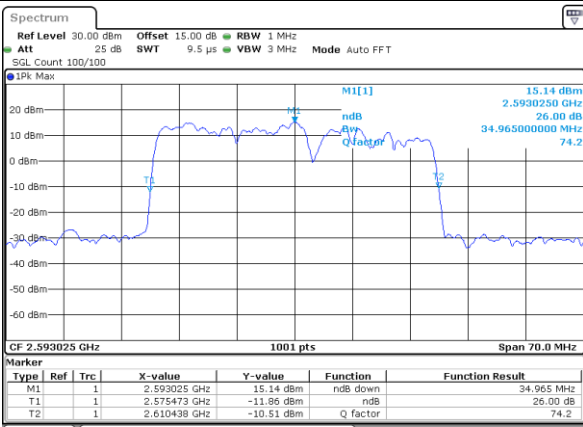
Date: 5 JUL 2021 11:07:15

Lowest Channel / 20MHz+20MHz



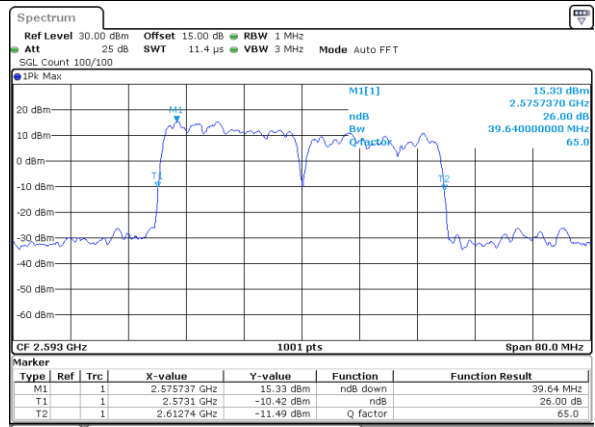
Date: 6 JUL 2021 11:27:30

Middle Channel / 20MHz+15MHz



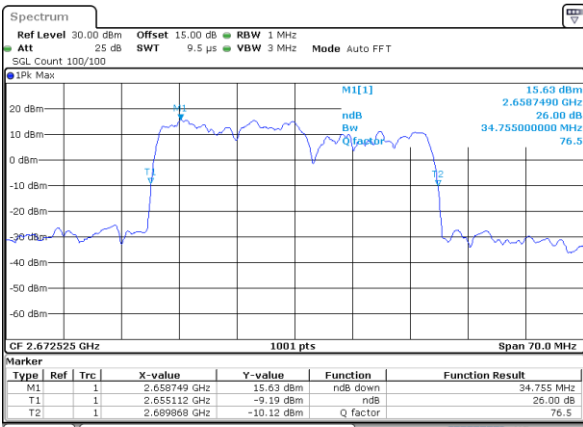
Date: 5 JUL 2021 11:09:24

Middle Channel / 20MHz+20MHz



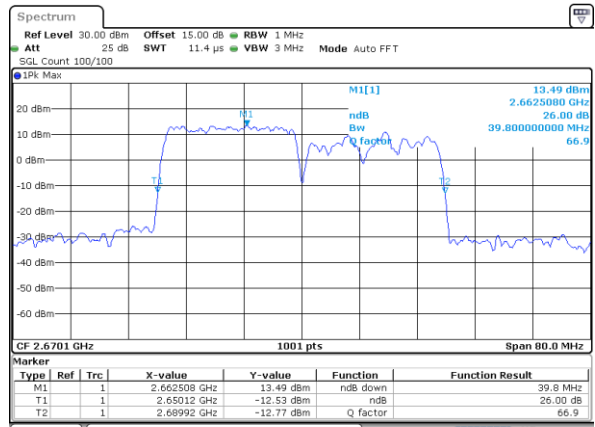
Date: 2 JUL 2021 23:12:27

Highest Channel / 20MHz+15MHz



Date: 5 JUL 2021 11:14:27

Highest Channel / 20MHz+20MHz



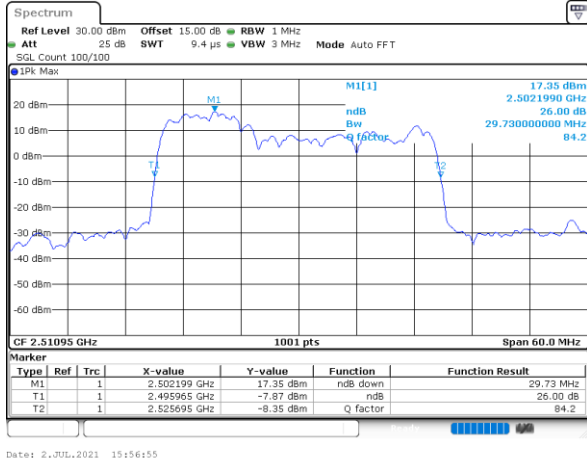
Date: 2 JUL 2021 23:10:39



LTE Band 41C

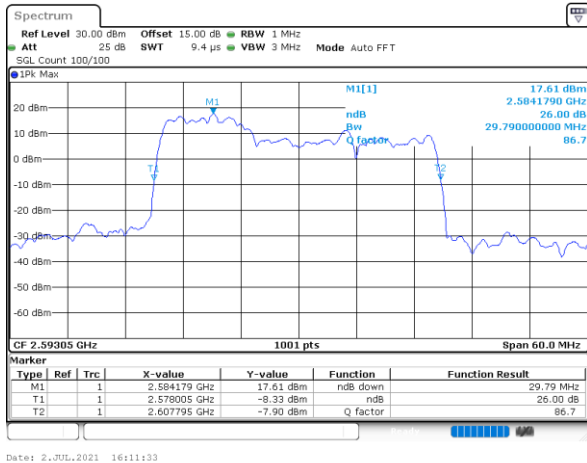
64QAM

Lowest Channel / 10MHz+20MHz



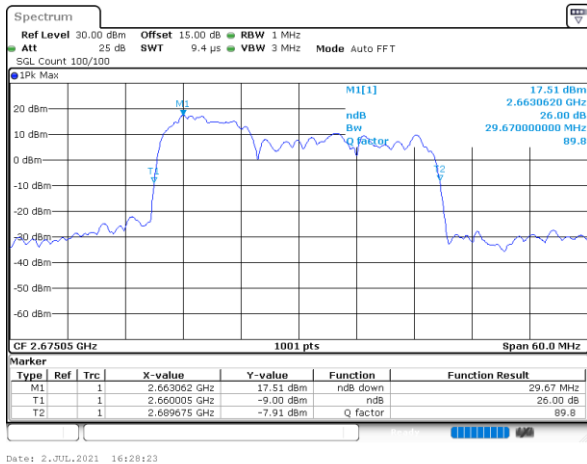
Date: 2..JUL.2021 15:56:55

Middle Channel / 10MHz+20MHz



Date: 2..JUL.2021 16:11:33

Highest Channel / 10MHz+20MHz



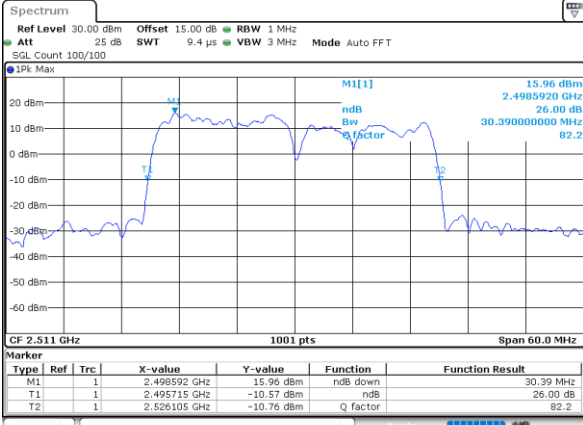
Date: 2..JUL.2021 16:28:23



LTE Band 41C

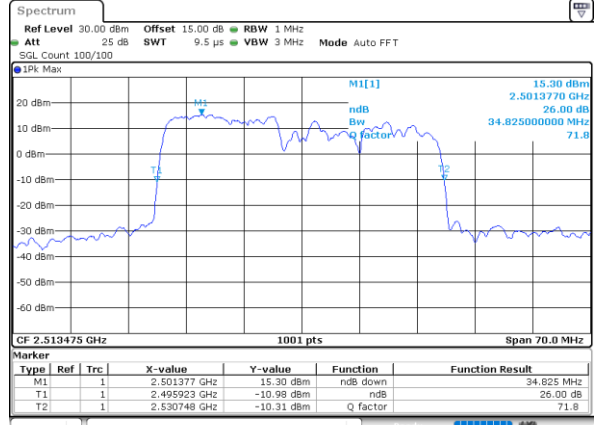
64QAM

Lowest Channel / 15MHz+15MHz



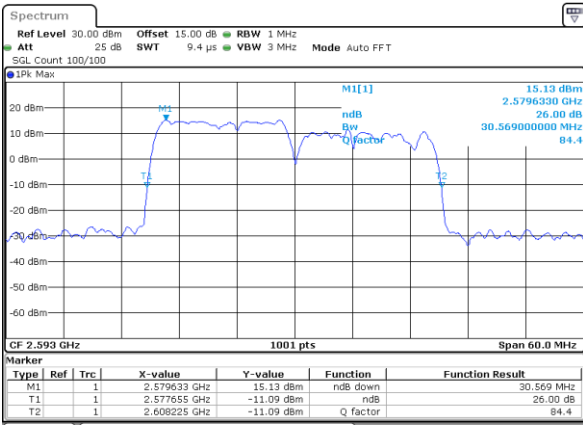
Date: 5 JUL 2021 08:51:54

Lowest Channel / 15MHz+20MHz



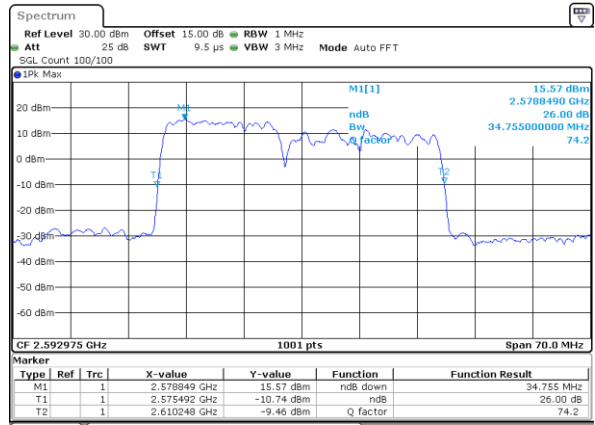
Date: 5 JUL 2021 10:19:40

Middle Channel / 15MHz+15MHz



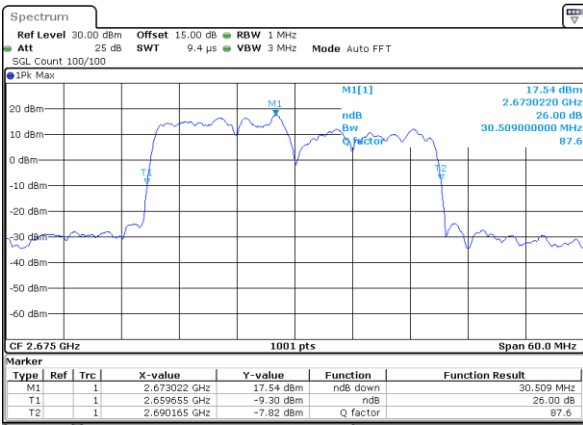
Date: 5 JUL 2021 09:14:20

Middle Channel / 15MHz+20MHz



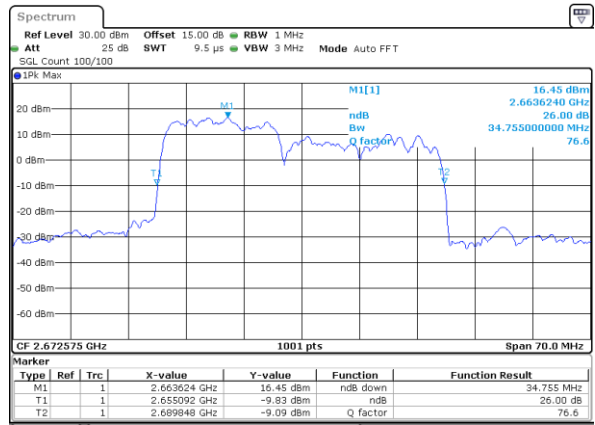
Date: 5 JUL 2021 10:36:22

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:43:45

Highest Channel / 15MHz+20MHz



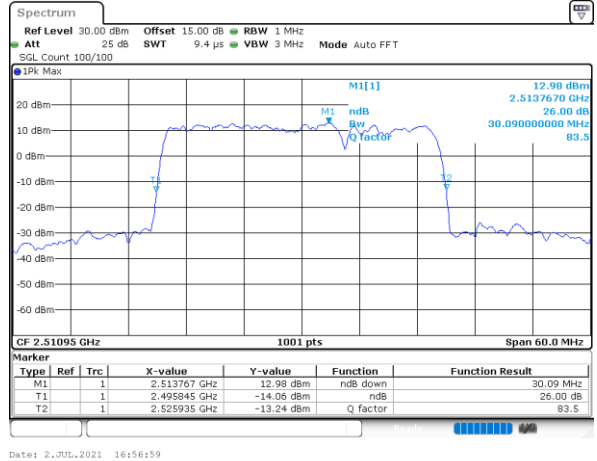
Date: 5 JUL 2021 10:50:12



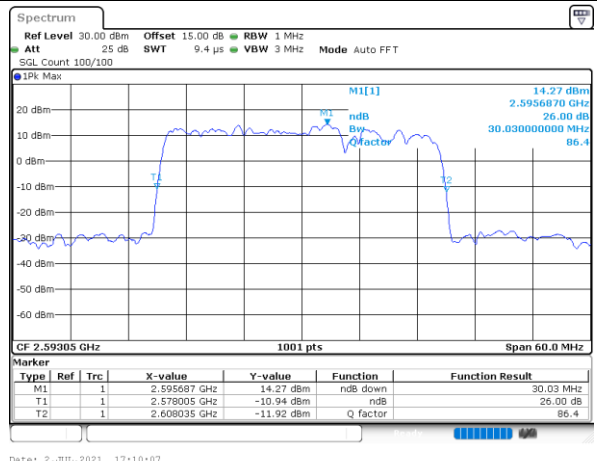
LTE Band 41C

64QAM

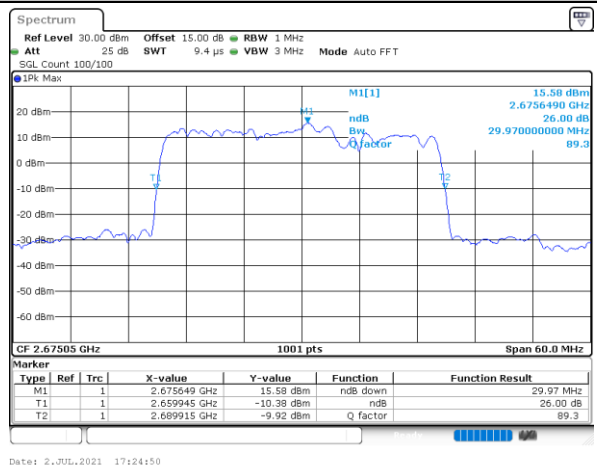
Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

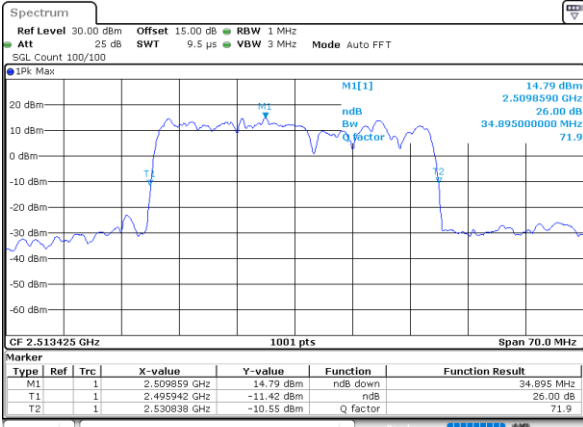




LTE Band 41C

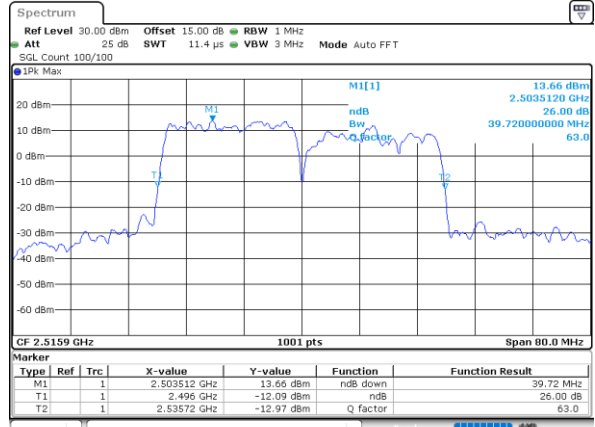
64QAM

Lowest Channel / 20MHz+15MHz



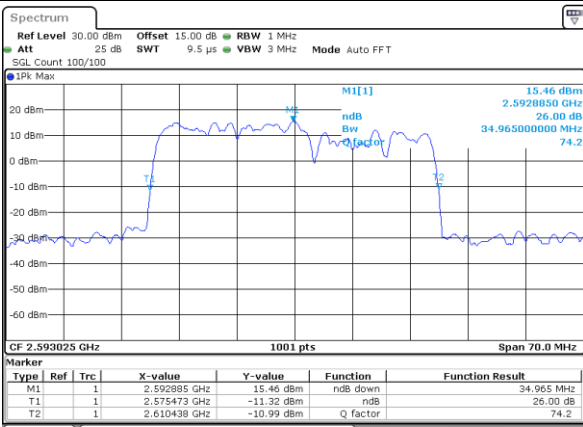
Date: 5 JUL 2021 11:07:50

Lowest Channel / 20MHz+20MHz



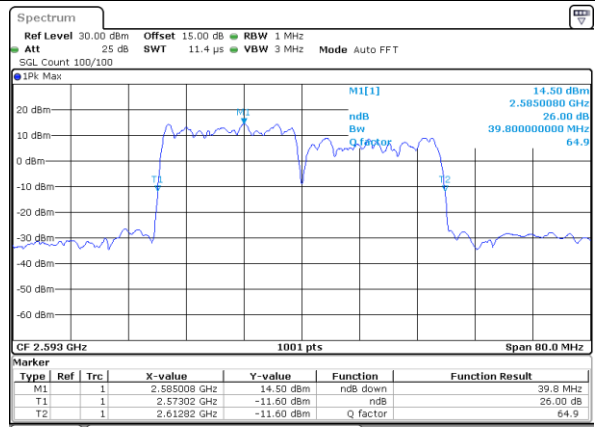
Date: 2 JUL 2021 23:13:34

Middle Channel / 20MHz+15MHz



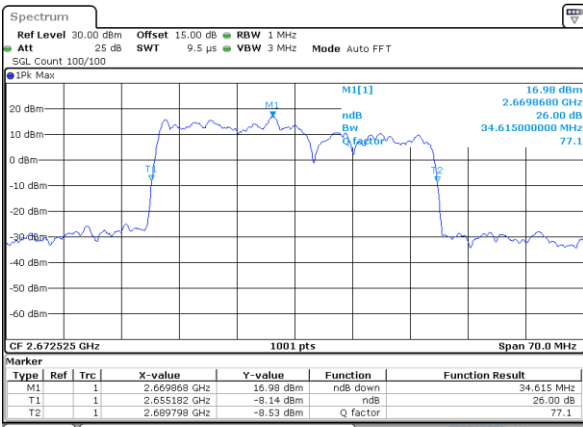
Date: 5 JUL 2021 11:09:57

Middle Channel / 20MHz+20MHz



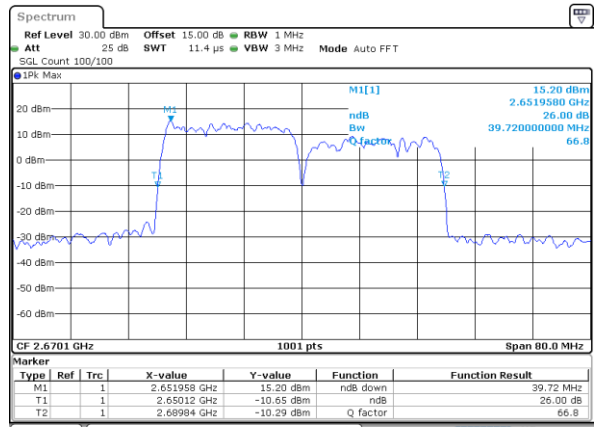
Date: 2 JUL 2021 23:12:12

Highest Channel / 20MHz+15MHz



Date: 5 JUL 2021 11:15:03

Highest Channel / 20MHz+20MHz



Date: 2 JUL 2021 23:10:24



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)					
	QPSK					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	27.75	28.59	32.66	28.05	32.87	37.56
Middle CH	27.99	28.59	32.66	27.81	32.73	37.80
Highest CH	27.87	28.53	32.45	28.11	32.59	37.88

Mode	LTE Band 41C : 99%OBW(MHz)					
	16QAM					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	27.45	28.53	32.80	27.93	32.80	37.56
Middle CH	27.93	28.77	32.94	28.11	32.52	37.80
Highest CH	27.75	28.65	32.80	28.17	32.52	37.48

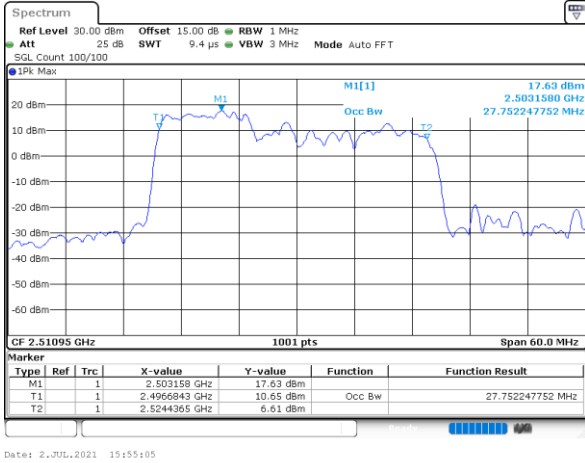
Mode	LTE Band 41C : 99%OBW(MHz)					
	64QAM					
BW	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	27.57	28.53	32.66	27.87	32.73	37.72
Middle CH	28.11	28.29	33.08	28.11	32.59	37.56
Highest CH	27.99	28.65	32.59	27.81	32.73	37.00



LTE Band 41C

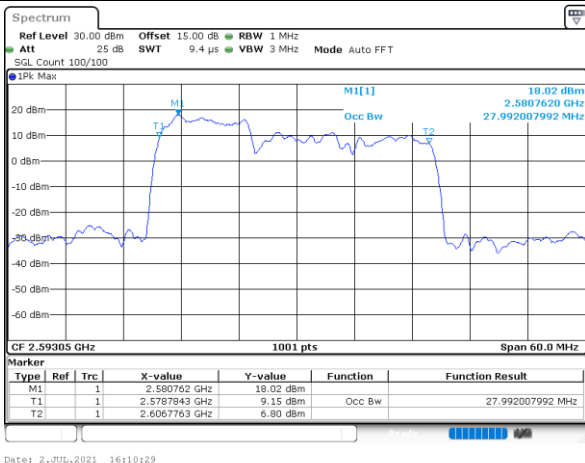
QPSK

Lowest Channel / 10MHz+20MHz



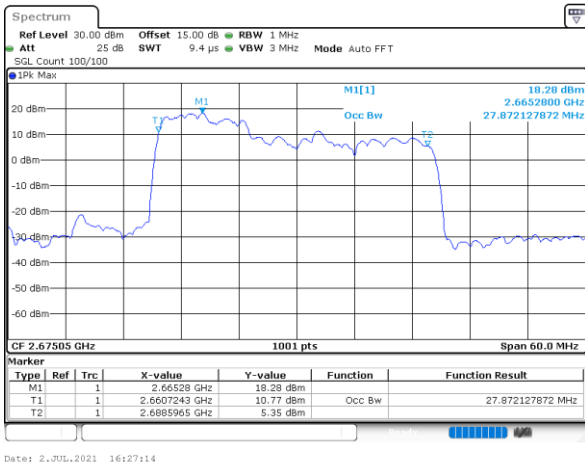
Date: 2..JUL.2021 15:55:05

Middle Channel / 10MHz+20MHz



Date: 2..JUL.2021 16:10:29

Highest Channel / 10MHz+20MHz



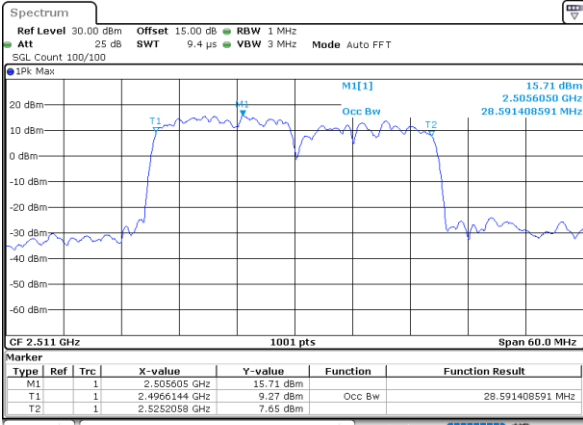
Date: 2..JUL.2021 16:27:14



LTE Band 41C

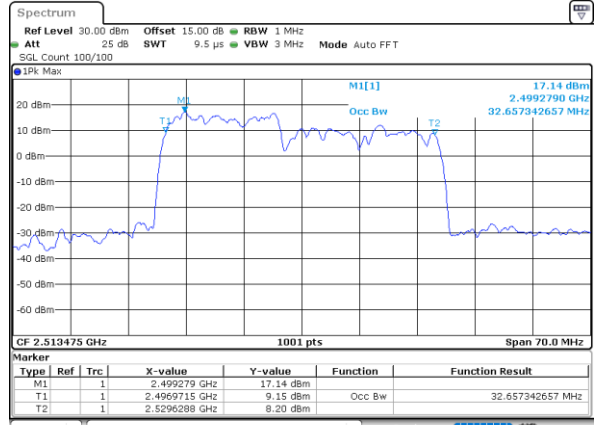
QPSK

Lowest Channel / 15MHz+15MHz



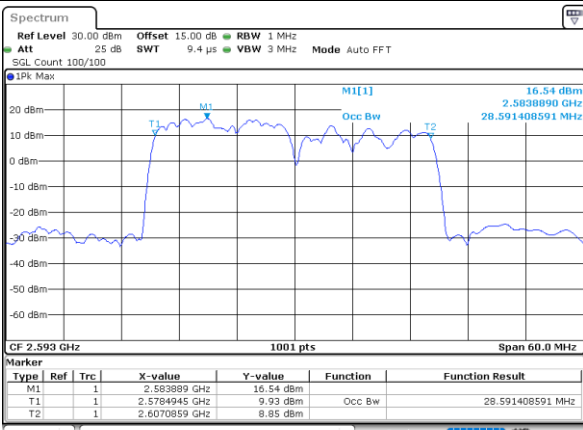
Date: 5 JUL 2021 08:50:20

Lowest Channel / 15MHz+20MHz



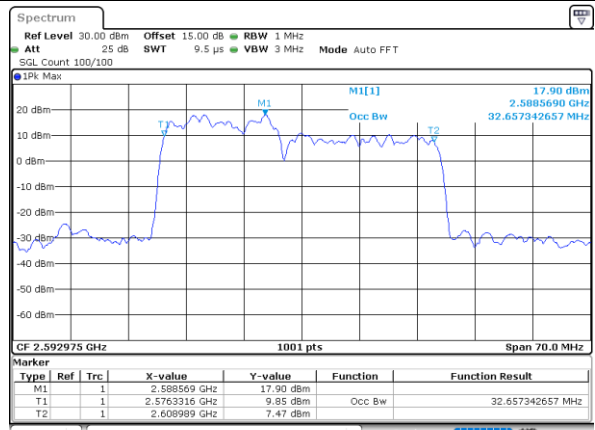
Date: 5 JUL 2021 10:18:24

Middle Channel / 15MHz+15MHz



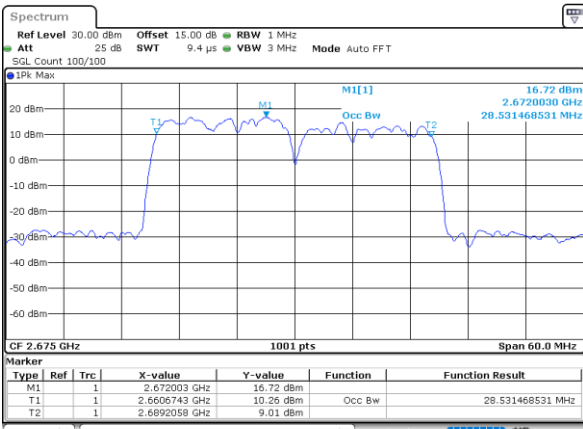
Date: 5 JUL 2021 09:13:15

Middle Channel / 15MHz+20MHz



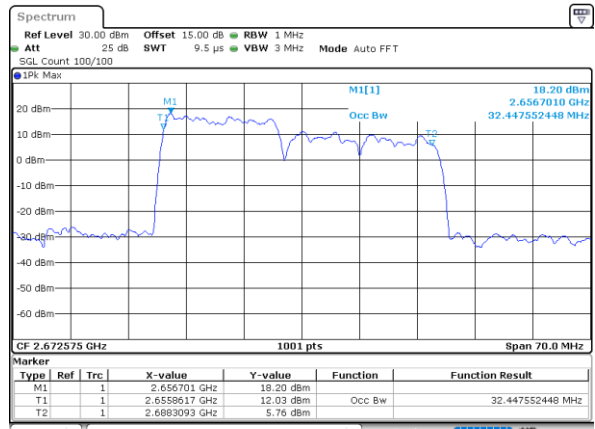
Date: 5 JUL 2021 10:33:45

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:42:44

Highest Channel / 15MHz+20MHz



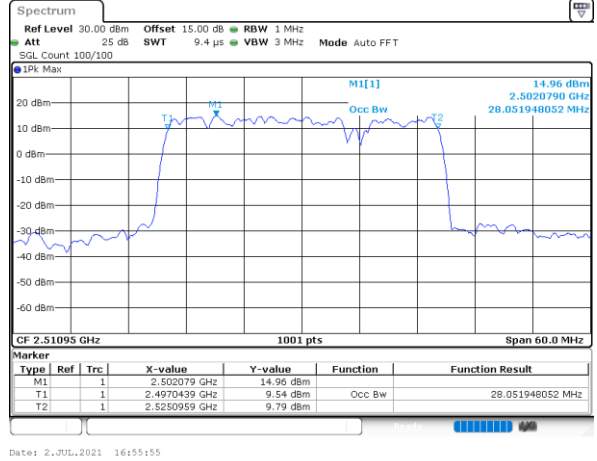
Date: 5 JUL 2021 10:48:05



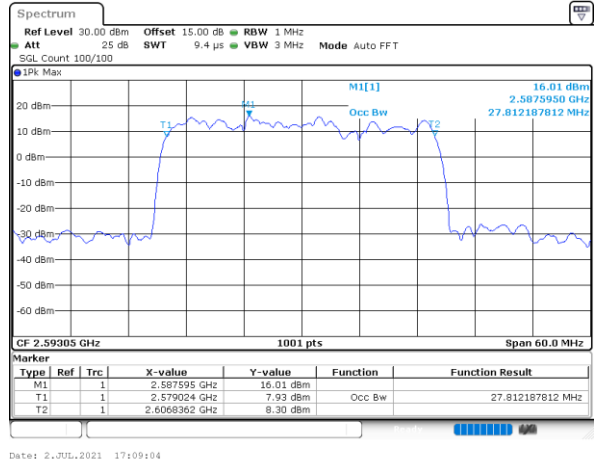
LTE Band 41C

QPSK

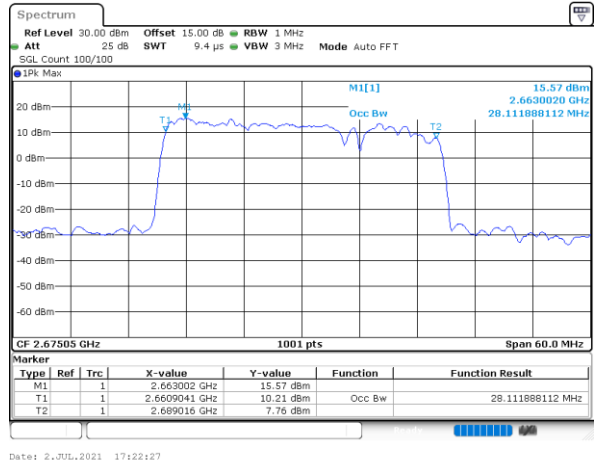
Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

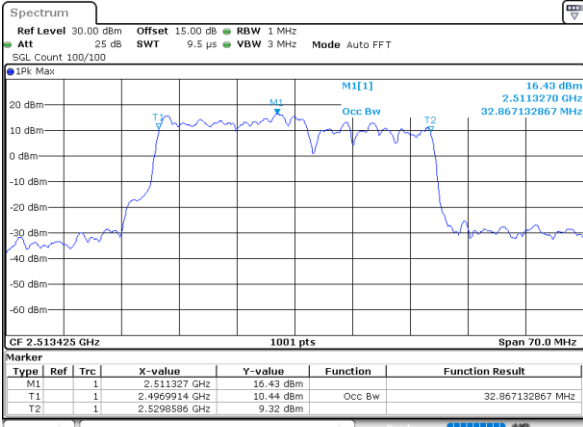




LTE Band 41C

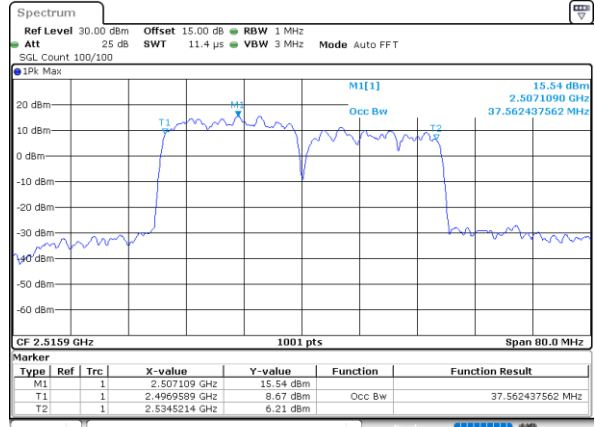
QPSK

Lowest Channel / 20MHz+15MHz



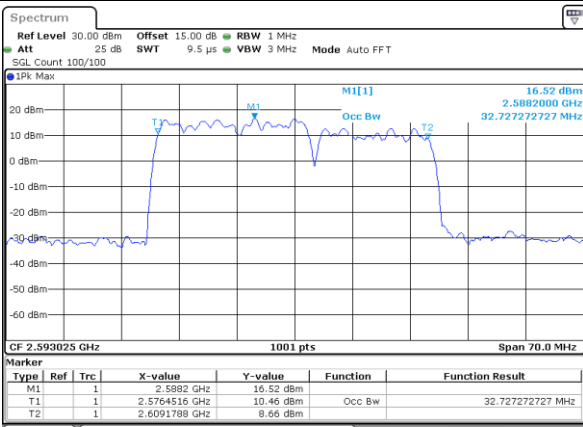
Date: 5 JUL 2021 11:06:40

Lowest Channel / 20MHz+20MHz



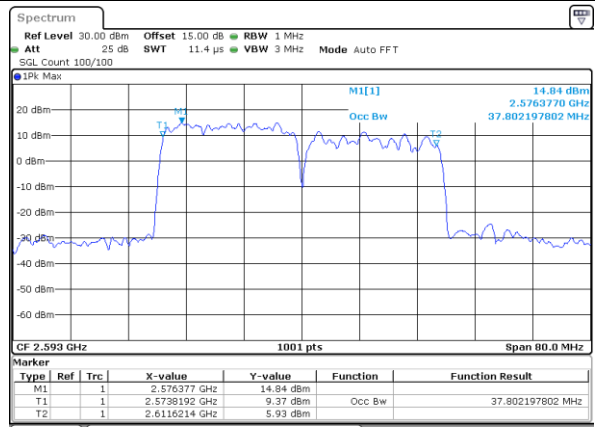
Date: 2 JUL 2021 23:13:01

Middle Channel / 20MHz+15MHz



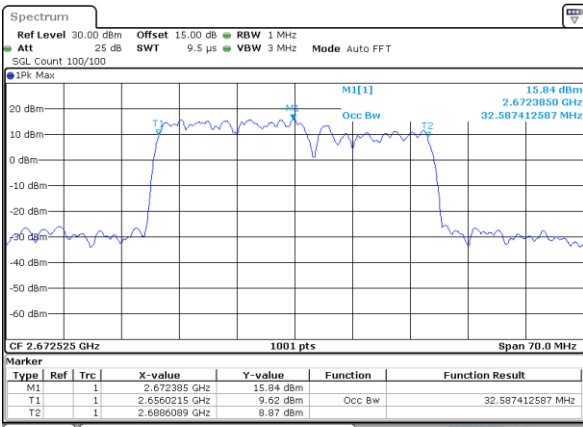
Date: 5 JUL 2021 11:08:53

Middle Channel / 20MHz+20MHz



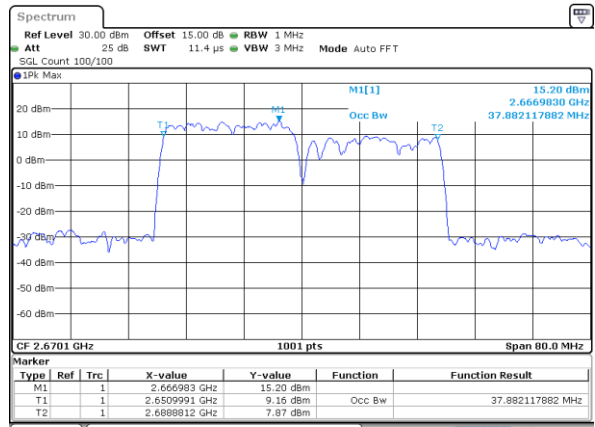
Date: 2 JUL 2021 23:11:34

Highest Channel / 20MHz+15MHz



Date: 5 JUL 2021 11:13:46

Highest Channel / 20MHz+20MHz



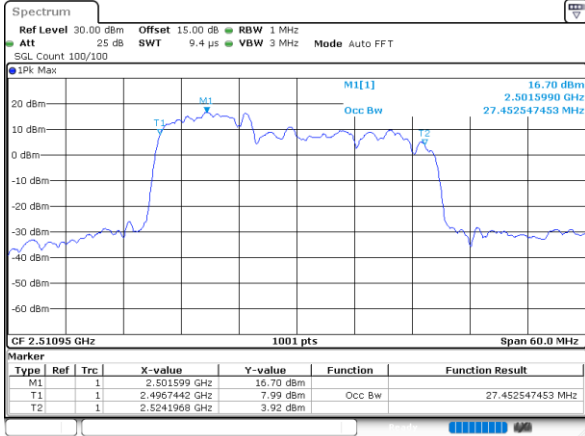
Date: 2 JUL 2021 23:10:48



LTE Band 41C

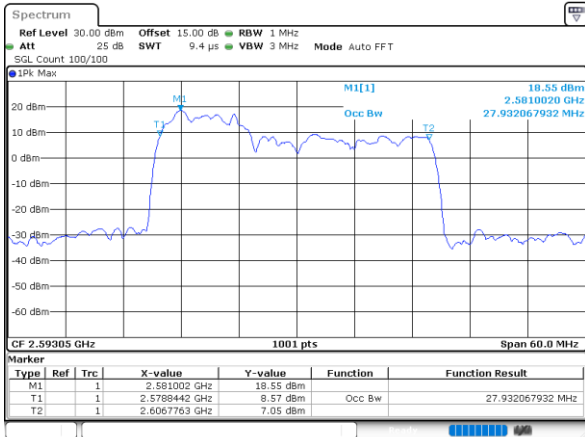
16QAM

Lowest Channel / 10MHz+20MHz



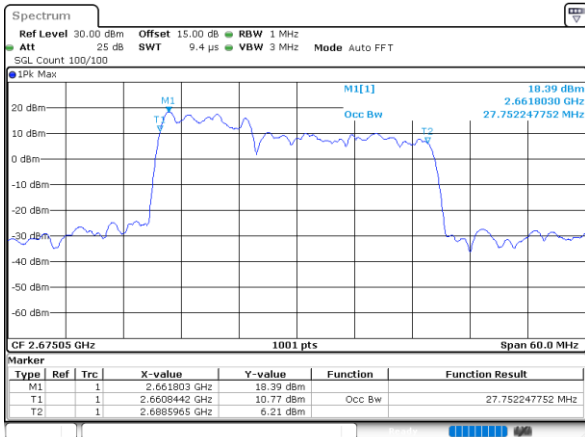
Date: 2..JUL.2021 15:55:33

Middle Channel / 10MHz+20MHz



Date: 2..JUL.2021 16:11:00

Highest Channel / 10MHz+20MHz



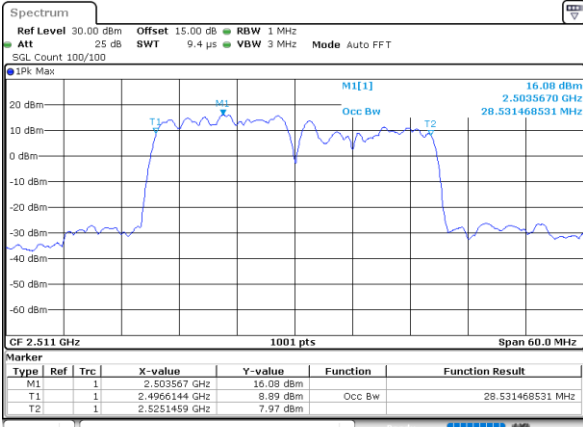
Date: 2..JUL.2021 16:27:40



LTE Band 41C

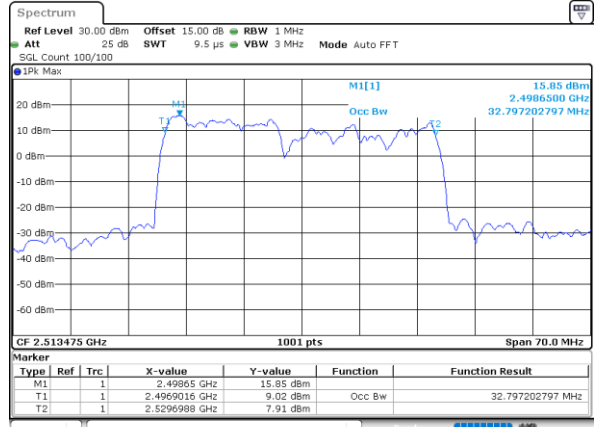
16QAM

Lowest Channel / 15MHz+15MHz



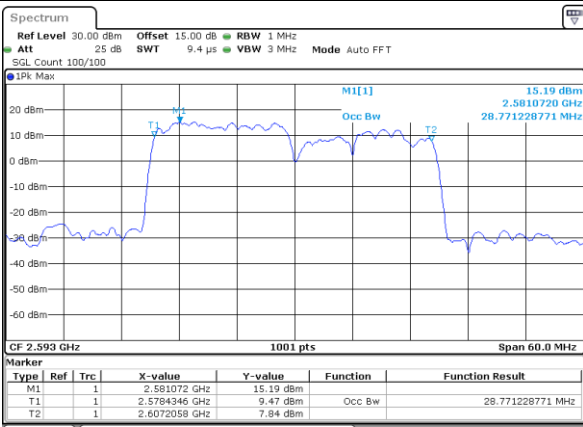
Date: 5 JUL 2021 08:50:50

Lowest Channel / 15MHz+20MHz



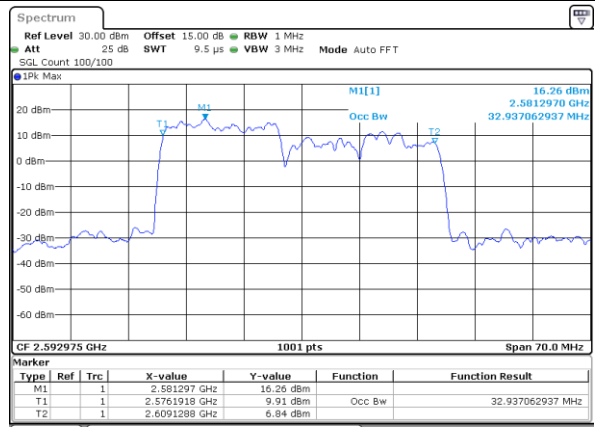
Date: 5 JUL 2021 10:19:05

Middle Channel / 15MHz+15MHz



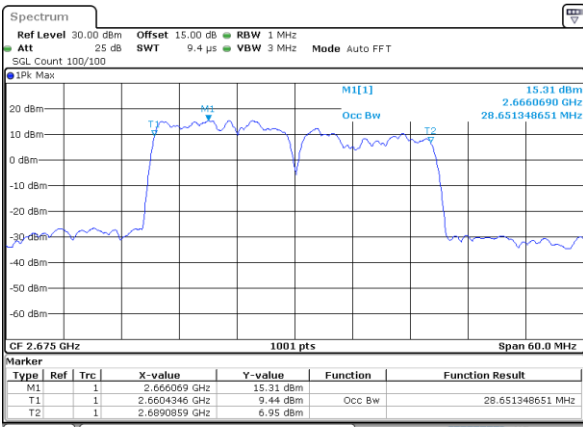
Date: 5 JUL 2021 09:13:40

Middle Channel / 15MHz+20MHz



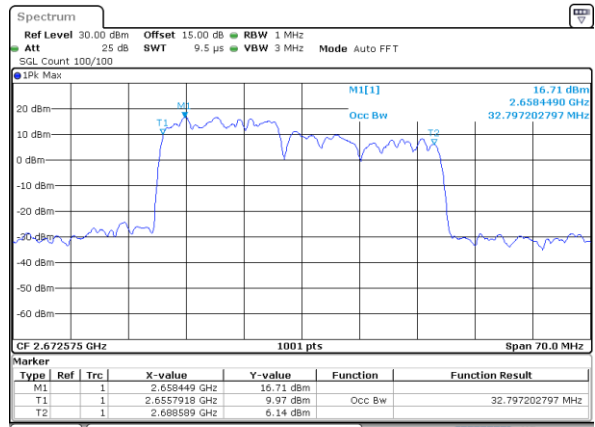
Date: 5 JUL 2021 10:34:25

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:43:12

Highest Channel / 15MHz+20MHz



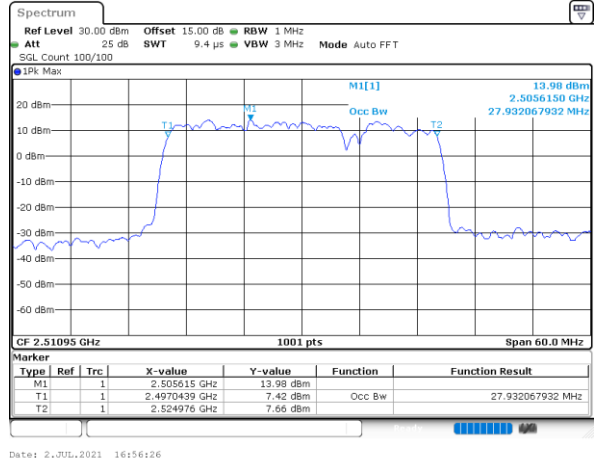
Date: 5 JUL 2021 10:48:35



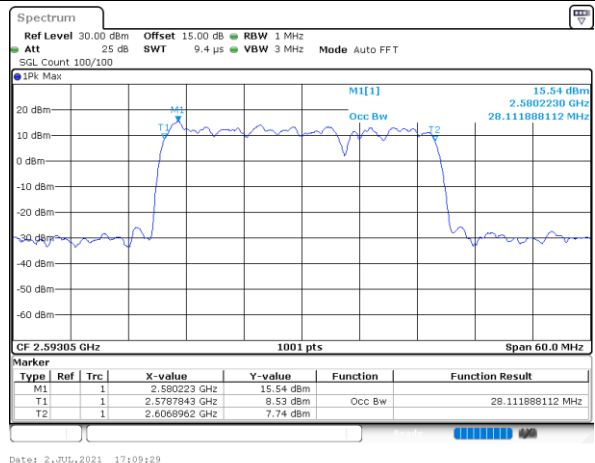
LTE Band 41C

16QAM

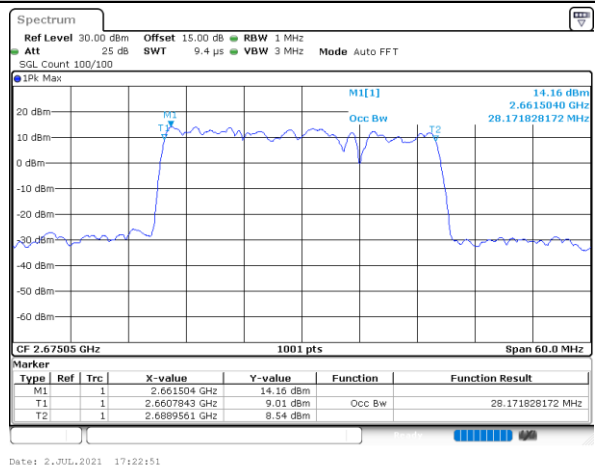
Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

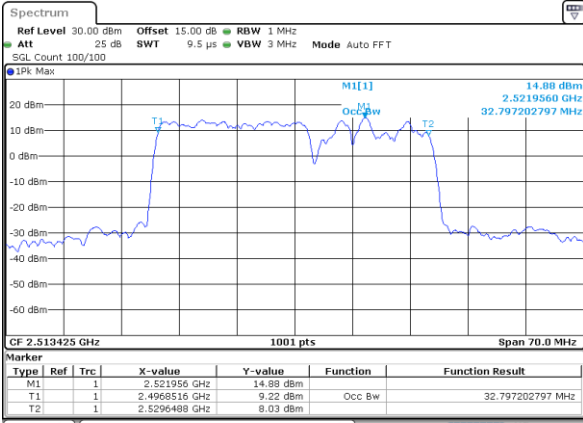




LTE Band 41C

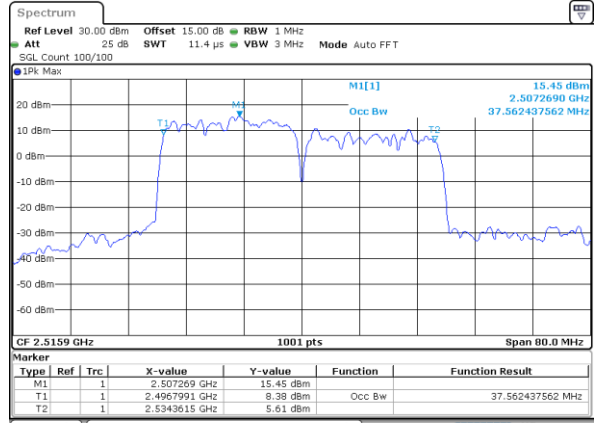
16QAM

Lowest Channel / 20MHz+15MHz



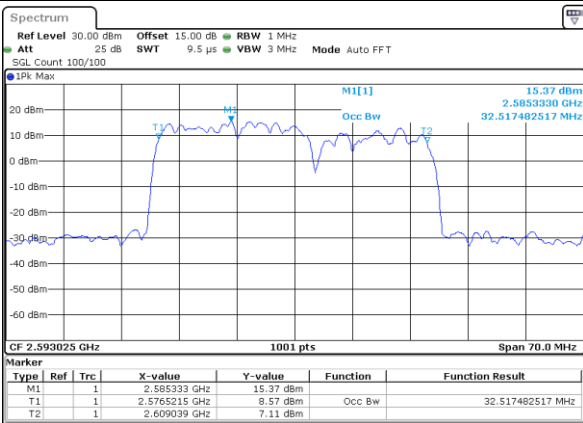
Date: 5 JUL 2021 11:07:25

Lowest Channel / 20MHz+20MHz



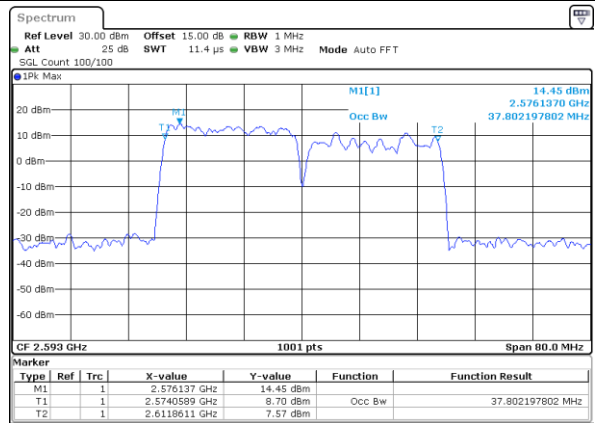
Date: 2 JUL 2021 23:13:16

Middle Channel / 20MHz+15MHz



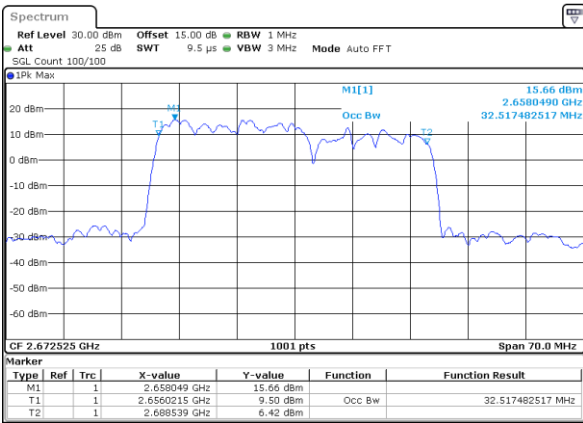
Date: 5 JUL 2021 11:09:17

Middle Channel / 20MHz+20MHz



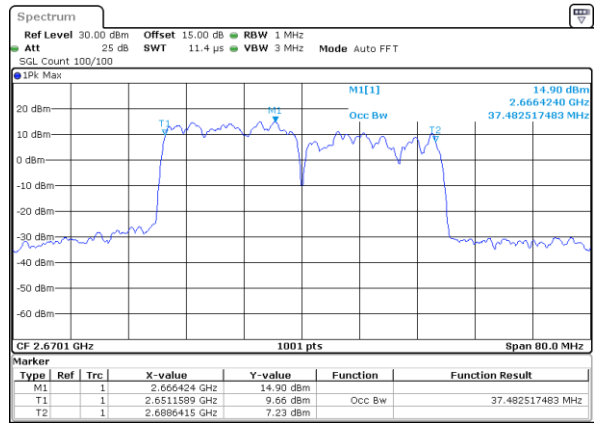
Date: 2 JUL 2021 23:12:21

Highest Channel / 20MHz+15MHz



Date: 5 JUL 2021 11:14:20

Highest Channel / 20MHz+20MHz



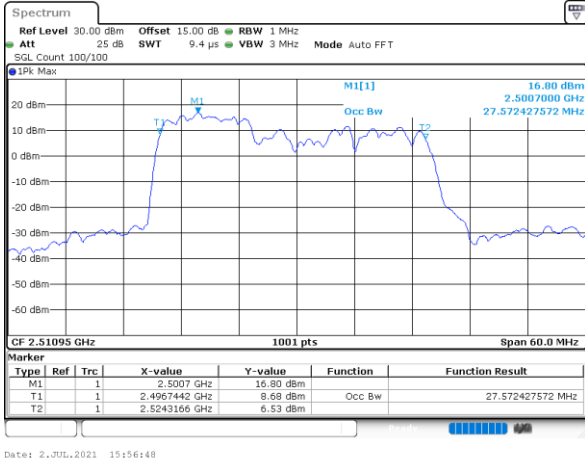
Date: 2 JUL 2021 23:10:33



LTE Band 41C

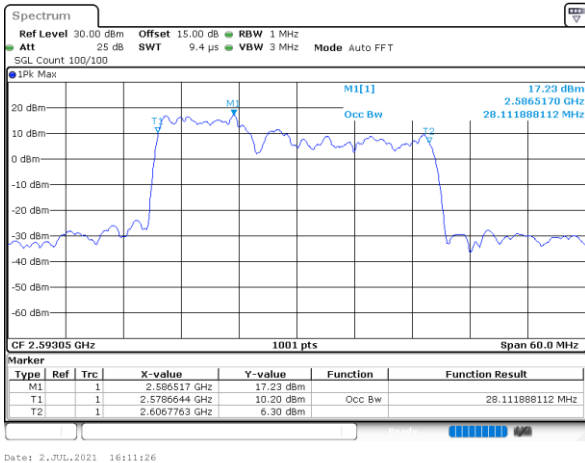
64QAM

Lowest Channel / 10MHz+20MHz



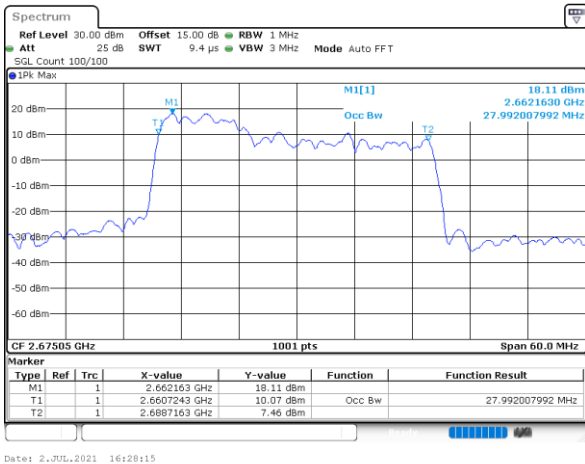
Date: 2..JUL.2021 15:56:48

Middle Channel / 10MHz+20MHz



Date: 2..JUL.2021 16:11:26

Highest Channel / 10MHz+20MHz



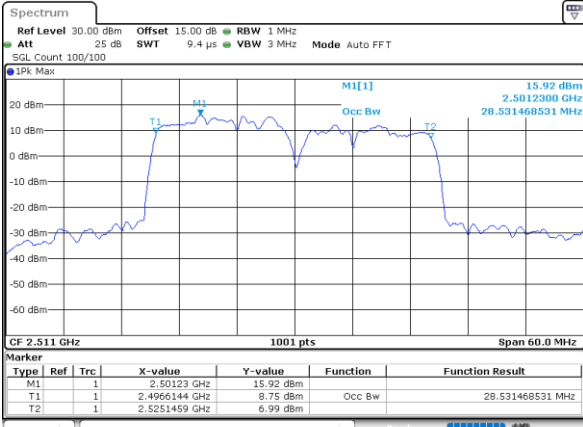
Date: 2..JUL.2021 16:28:15



LTE Band 41C

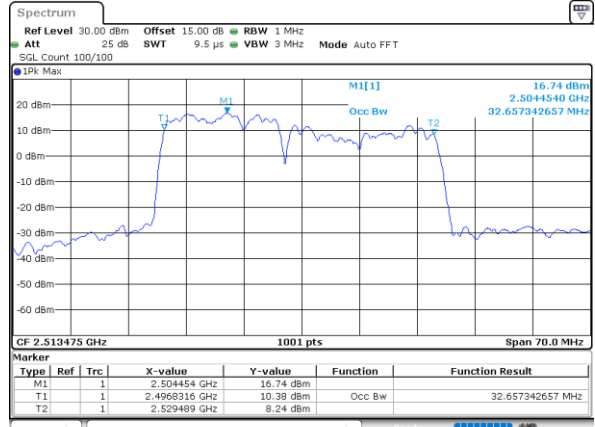
64QAM

Lowest Channel / 15MHz+15MHz



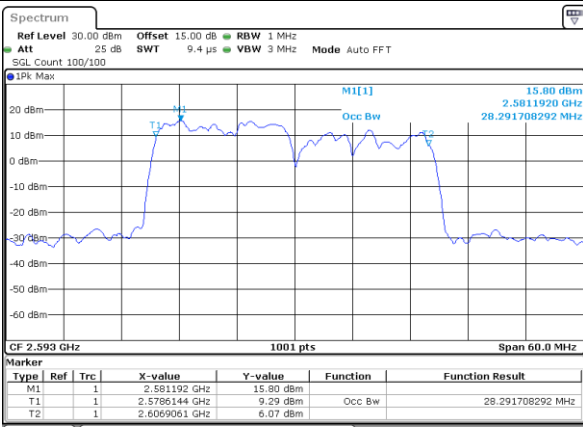
Date: 5 JUL 2021 08:51:46

Lowest Channel / 15MHz+20MHz



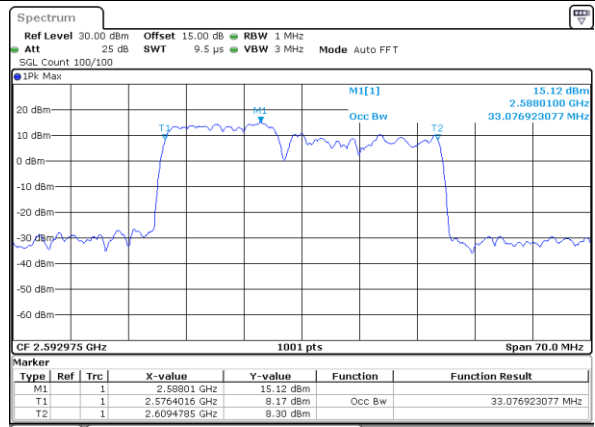
Date: 5 JUL 2021 10:19:32

Middle Channel / 15MHz+15MHz



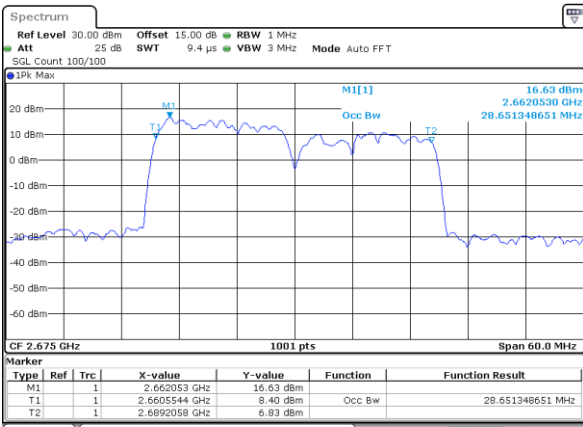
Date: 5 JUL 2021 09:14:11

Middle Channel / 15MHz+20MHz



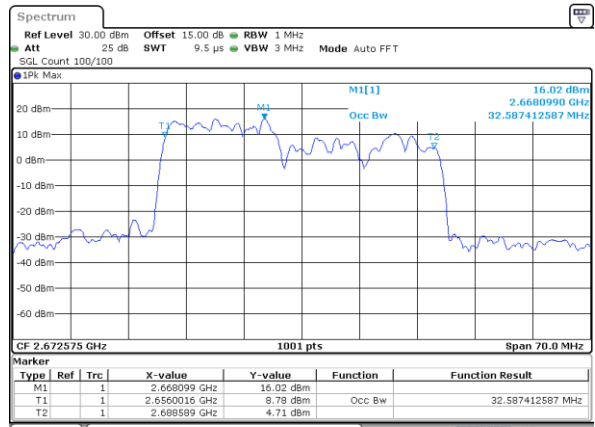
Date: 5 JUL 2021 10:36:12

Highest Channel / 15MHz+15MHz



Date: 5 JUL 2021 09:43:38

Highest Channel / 15MHz+20MHz



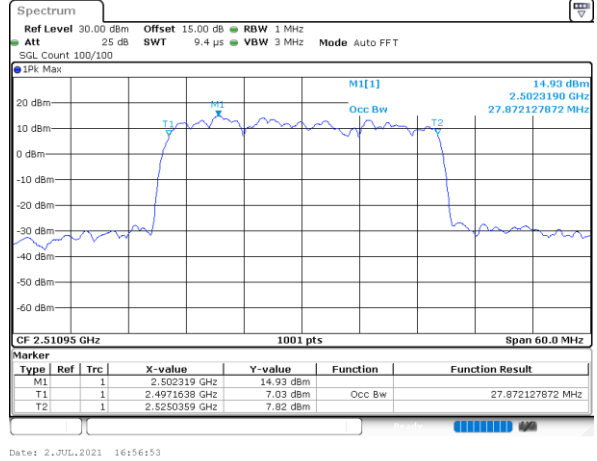
Date: 5 JUL 2021 10:49:56



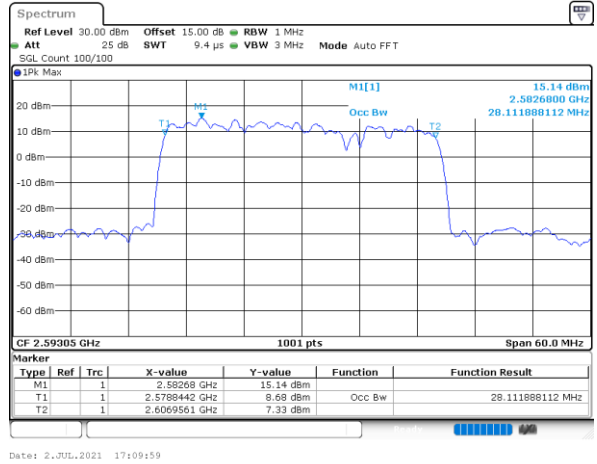
LTE Band 41C

64QAM

Lowest Channel / 20MHz+10MHz



Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+10MHz

