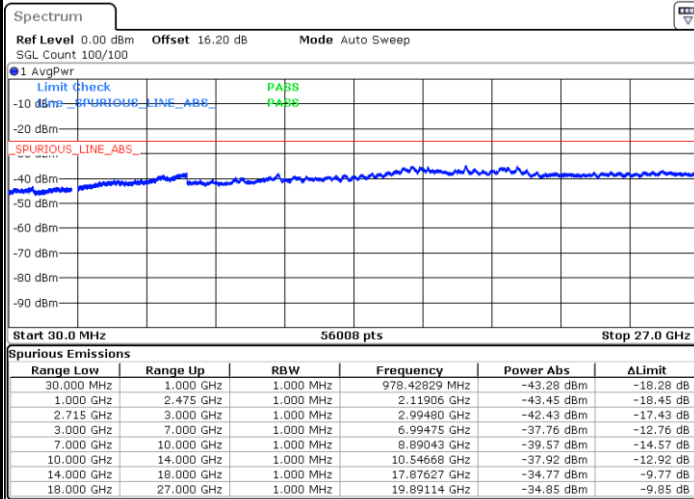




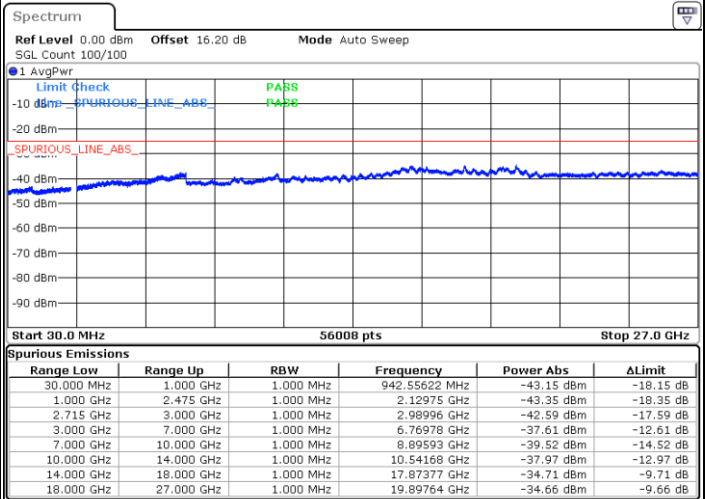
LTE Band 41 / 15MHz

Lowest Channel / QPSK



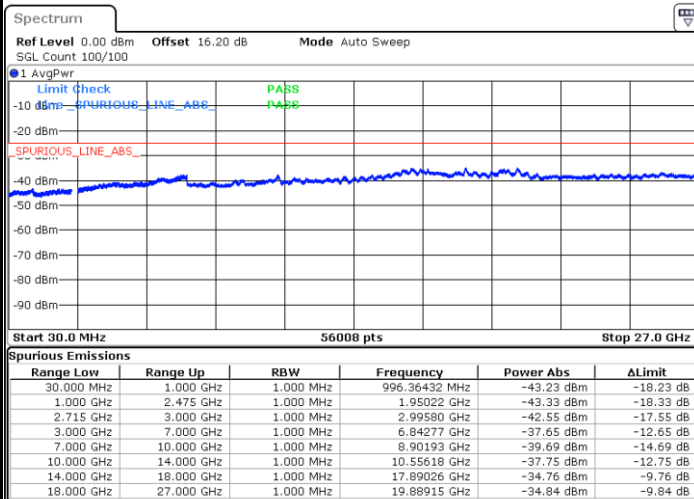
Date: 27 MAY 2020 19:30:04

Lowest Channel / 16QAM



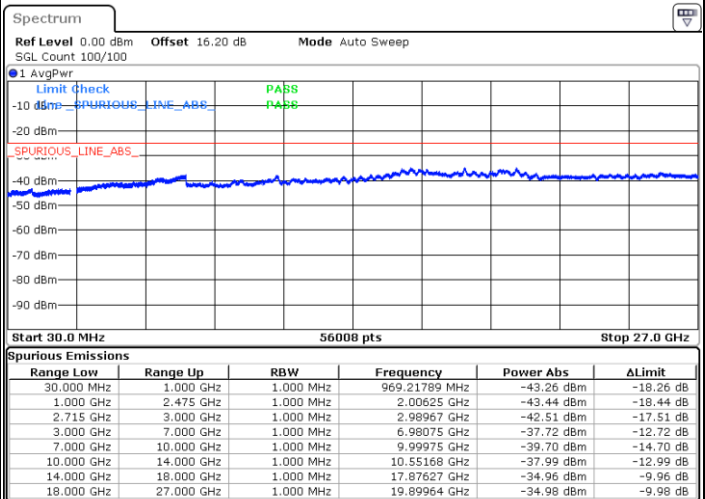
Date: 27 MAY 2020 19:31:05

Middle Channel / QPSK



Date: 27 MAY 2020 19:32:06

Middle Channel / 16QAM

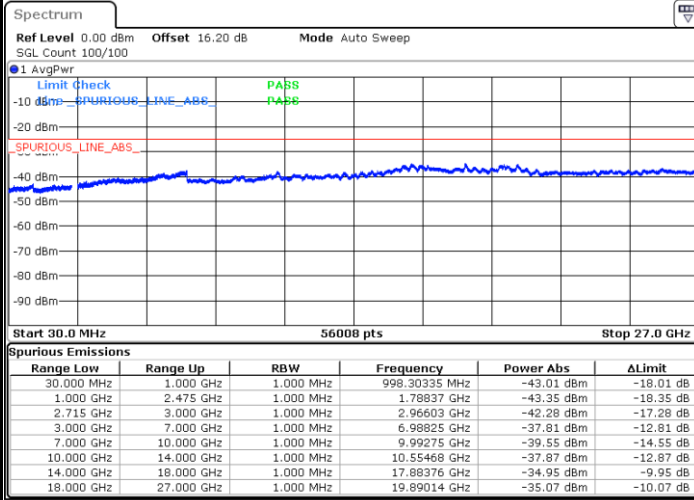


Date: 27 MAY 2020 19:33:07



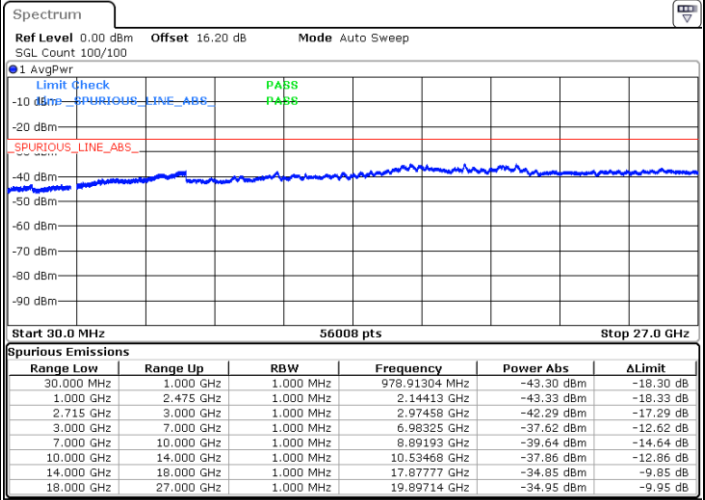
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 27 MAY.2020 19:34:08

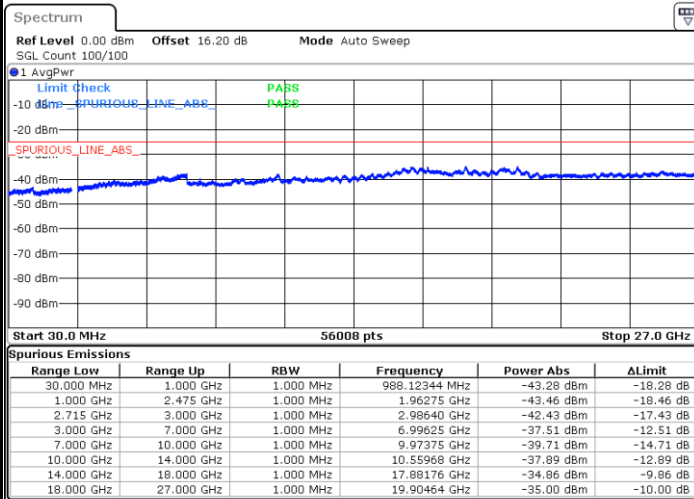
Highest Channel / 16QAM



Date: 27 MAY.2020 19:35:09

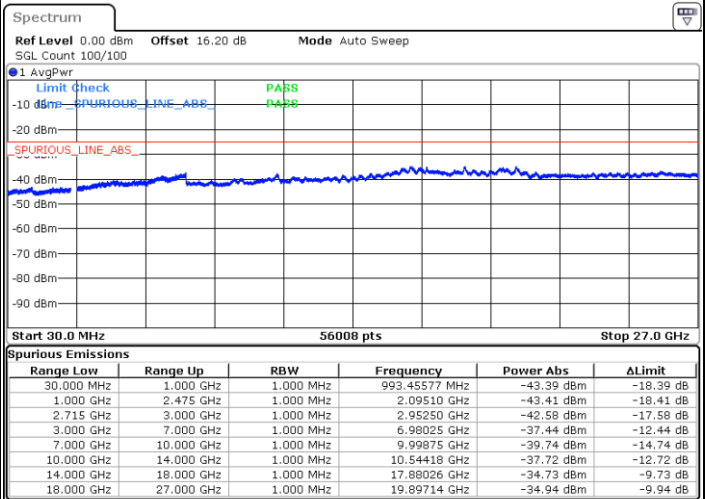
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 27 MAY.2020 19:42:15

Lowest Channel / 16QAM



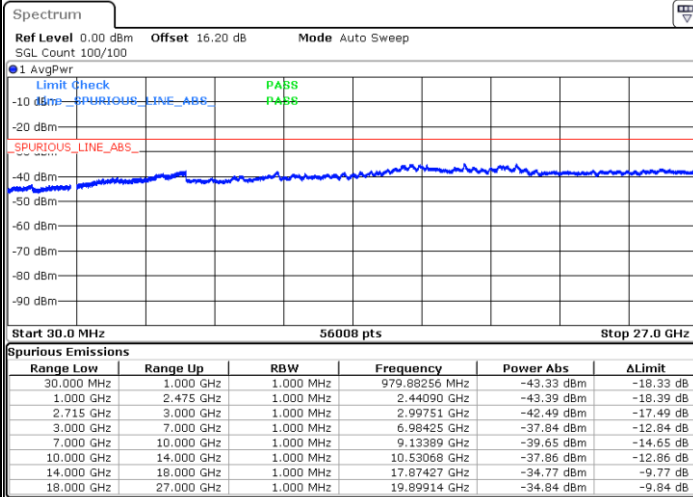
Date: 27 MAY.2020 19:43:16



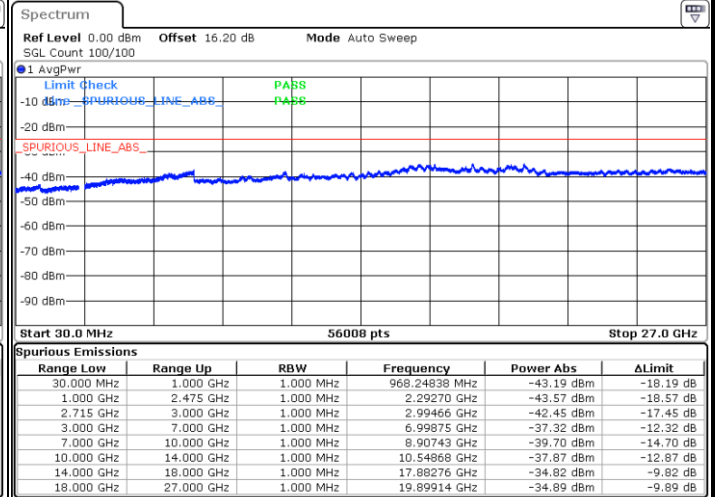
LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



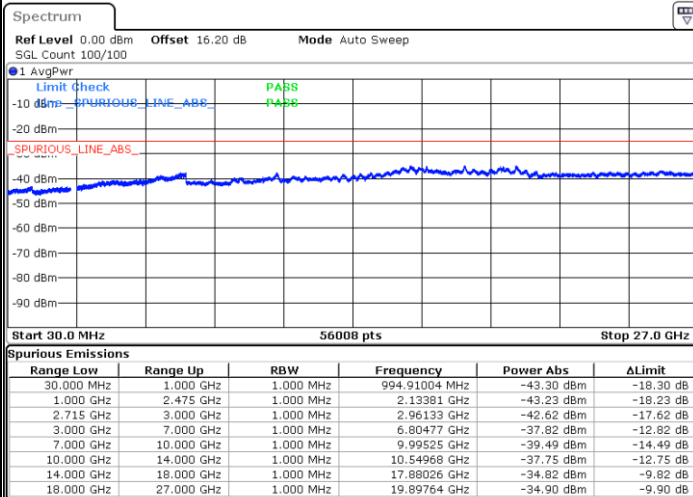
Date: 27 MAY 2020 19:44:17



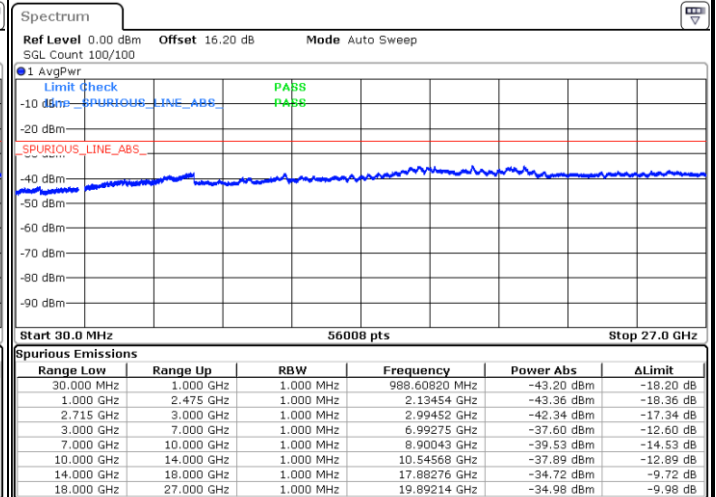
Date: 27 MAY 2020 19:45:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 MAY 2020 19:46:19

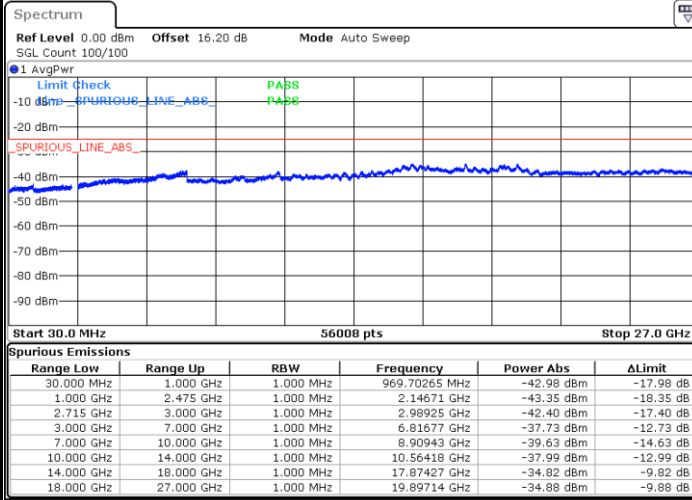


Date: 27 MAY 2020 19:47:20



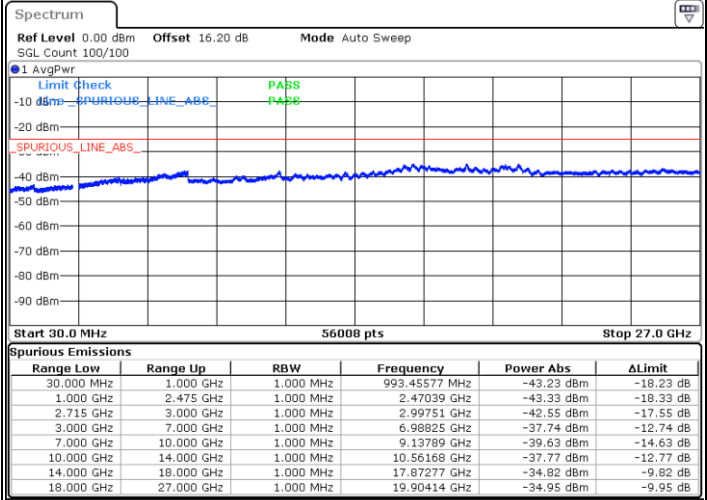
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



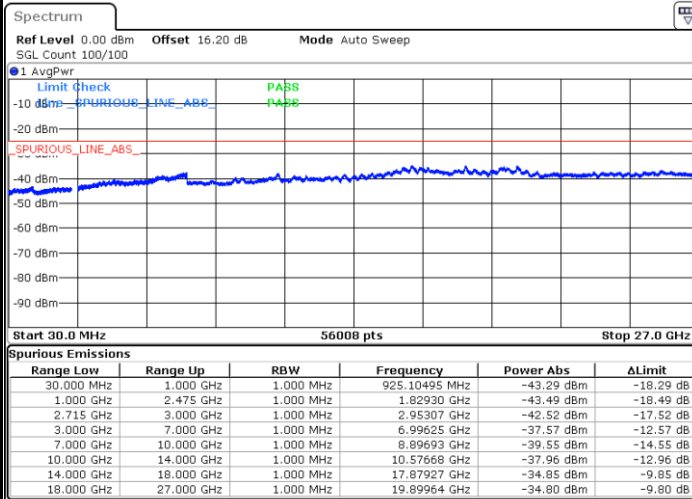
Date: 27.MAY.2020 19:11:47

Middle Channel / 64QAM



Date: 27.MAY.2020 19:12:47

Highest Channel / 64QAM

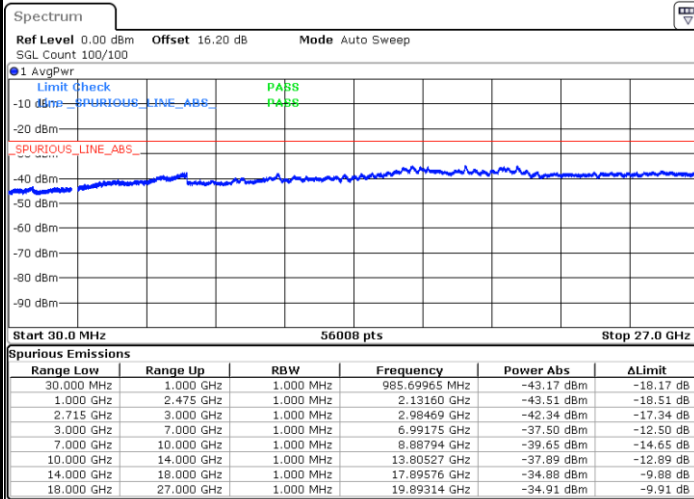


Date: 27.MAY.2020 19:13:48



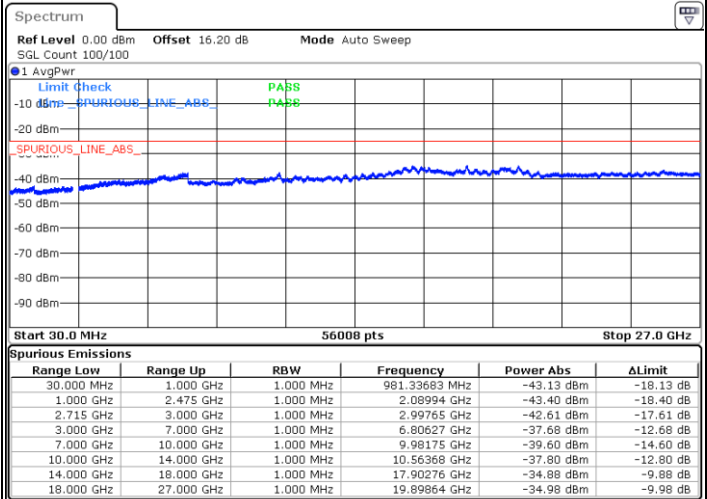
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



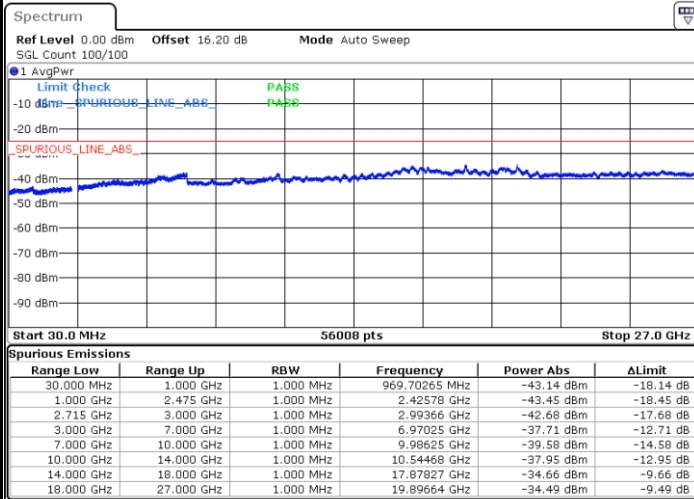
Date: 27.MAY.2020 19:20:55

Middle Channel / 64QAM



Date: 27.MAY.2020 19:21:56

Highest Channel / 64QAM

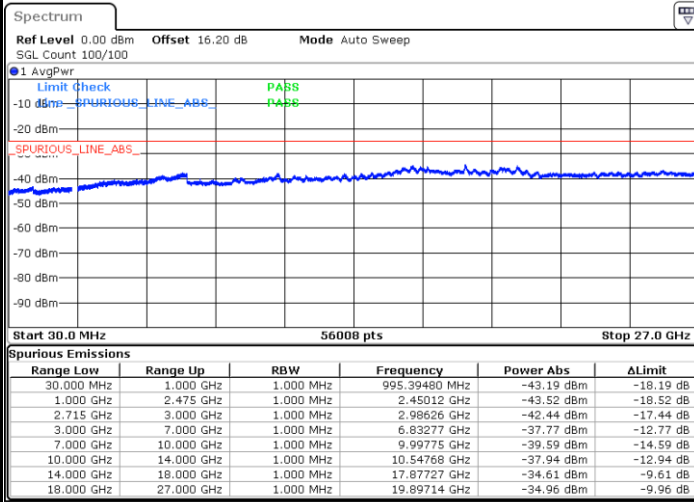


Date: 27.MAY.2020 19:22:57



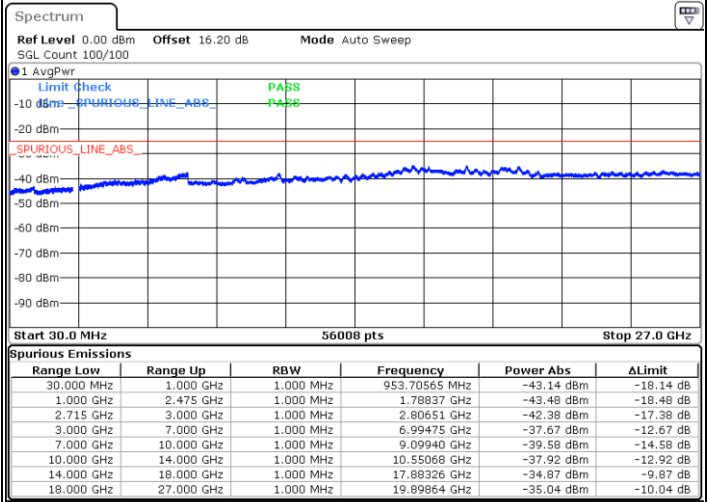
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



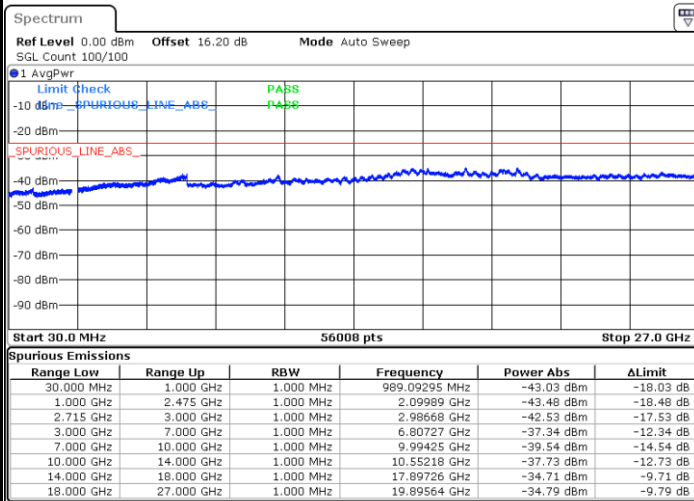
Date: 27.MAY.2020 19:36:10

Middle Channel / 64QAM



Date: 27.MAY.2020 19:37:10

Highest Channel / 64QAM

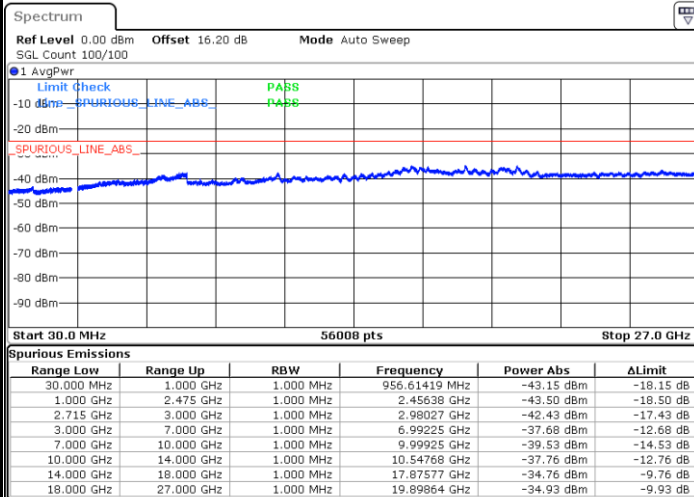


Date: 27.MAY.2020 19:38:11



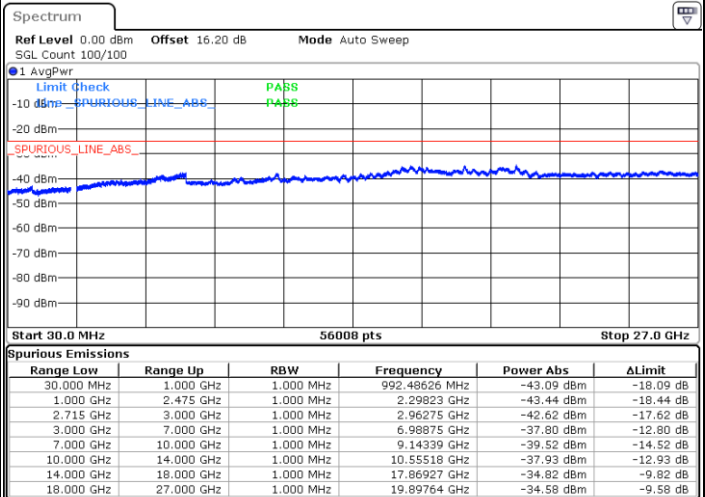
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



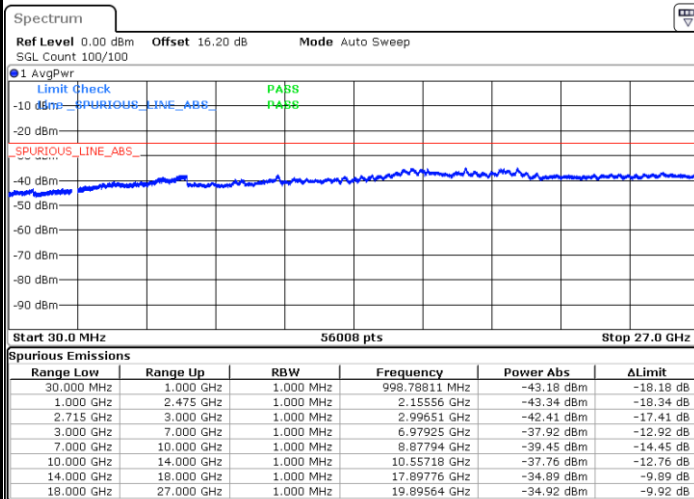
Date: 27.MAY.2020 19:39:13

Middle Channel / 64QAM



Date: 27.MAY.2020 19:40:13

Highest Channel / 64QAM



Date: 27.MAY.2020 19:41:14

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	0.0057	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0049	
0	Normal Voltage	0.0056	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0056	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.08	29.85	25.13	30.69
Middle CH	24.73	25.03	29.97	25.18	30.51
Highest CH	24.73	25.03	29.79	25.13	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.83	30.03	34.69	39.72
Middle CH	34.76	24.83	29.85	34.83	39.72
Highest CH	34.69	24.88	30.03	34.90	39.72

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.58	25.03	29.73	24.93	30.57
Middle CH	24.73	24.98	29.73	25.03	30.39
Highest CH	24.58	25.08	29.79	25.18	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.88	30.03	34.76	39.72
Middle CH	34.48	24.78	30.03	34.83	39.80
Highest CH	34.76	24.88	29.97	34.83	39.56

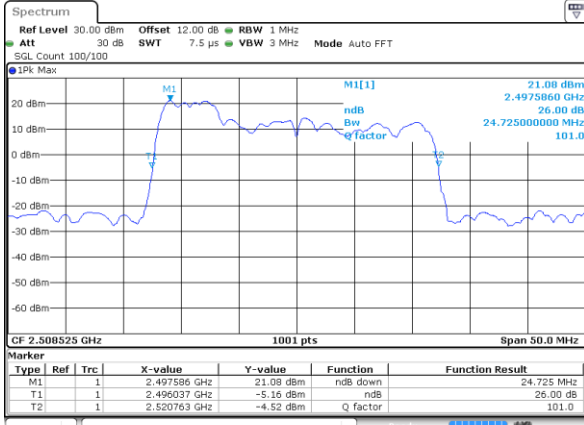
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.68	24.98	29.79	24.93	30.33
Middle CH	24.63	24.93	29.73	25.08	30.57
Highest CH	24.83	25.03	29.67	24.98	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.73	29.97	34.83	39.72
Middle CH	34.76	24.73	30.09	35.04	39.72
Highest CH	34.62	24.78	29.91	34.90	39.88



LTE Band 41C

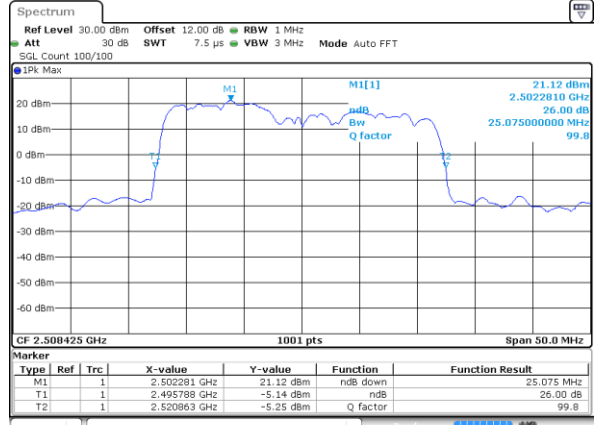
QPSK

Lowest Channel / 5MHz+20MHz



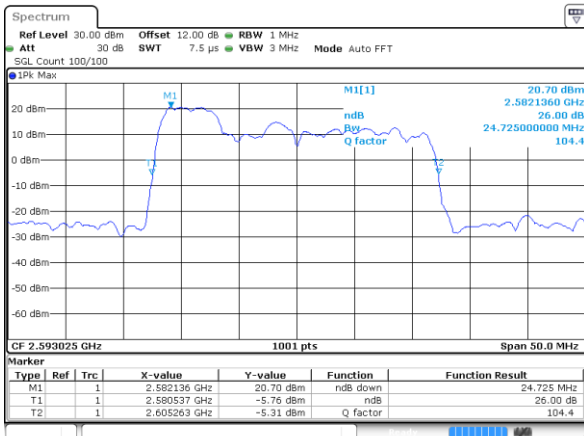
Date: 16 JUN 2020 10:12:04

Lowest Channel / 10MHz+15MHz



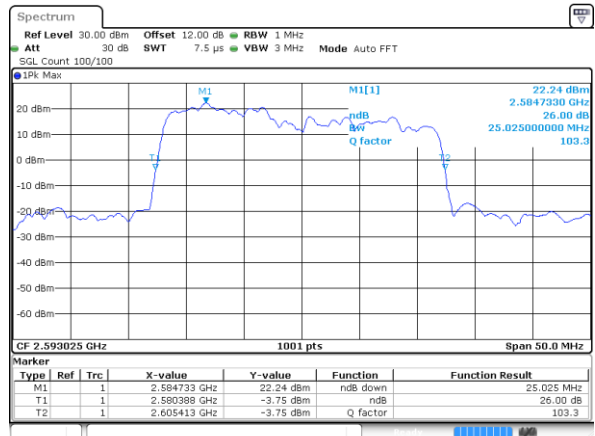
Date: 16 JUN 2020 14:23:40

Middle Channel / 5MHz+20MHz



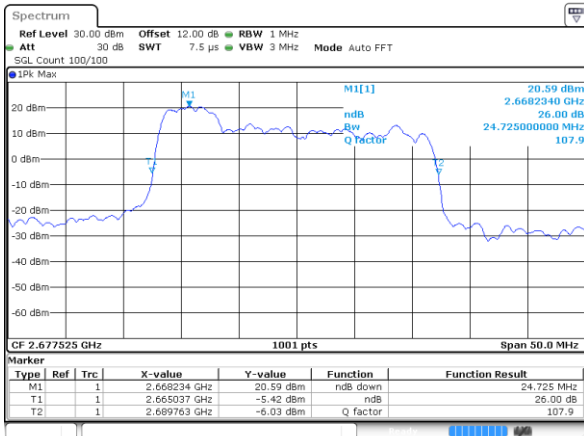
Date: 16 JUN 2020 10:35:48

Middle Channel / 10MHz+15MHz



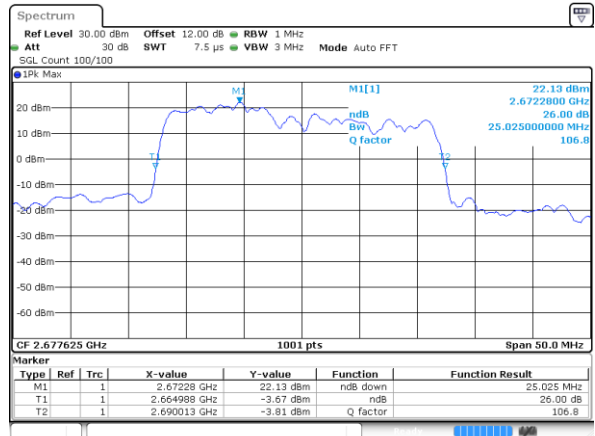
Date: 16 JUN 2020 16:09:22

Highest Channel / 5MHz+20MHz



Date: 16 JUN 2020 10:55:35

Highest Channel / 10MHz+15MHz



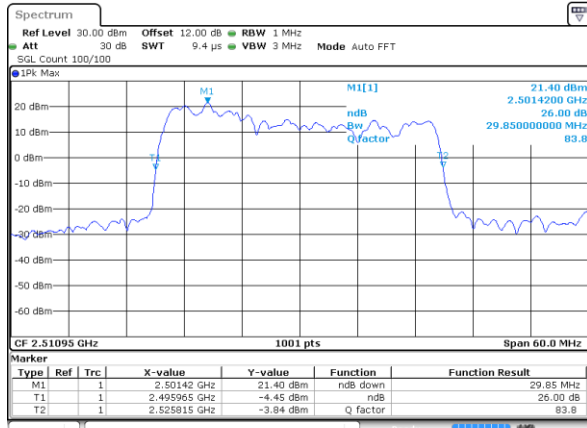
Date: 16 JUN 2020 16:34:21



LTE Band 41C

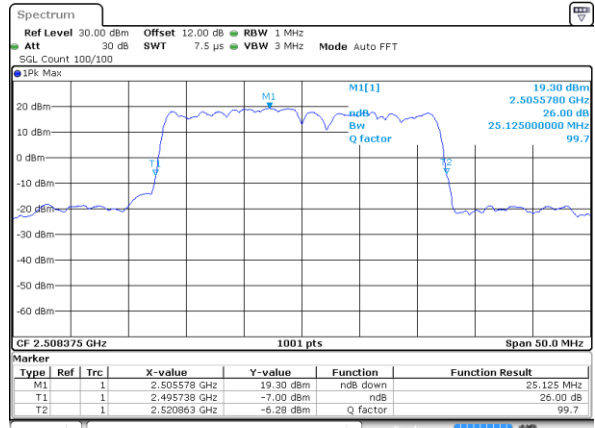
QPSK

Lowest Channel / 10MHz+20MHz



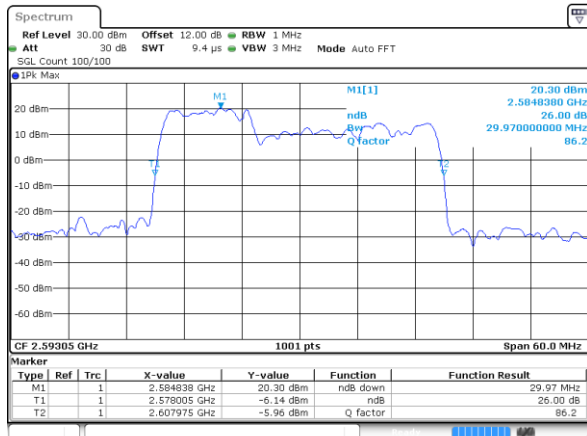
Date: 16 JUN 2020 17:42:48

Lowest Channel / 15MHz+10MHz



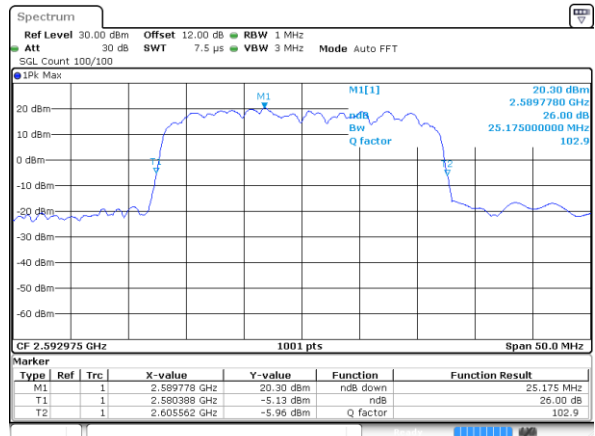
Date: 16 JUN 2020 19:04:25

Middle Channel / 10MHz+20MHz



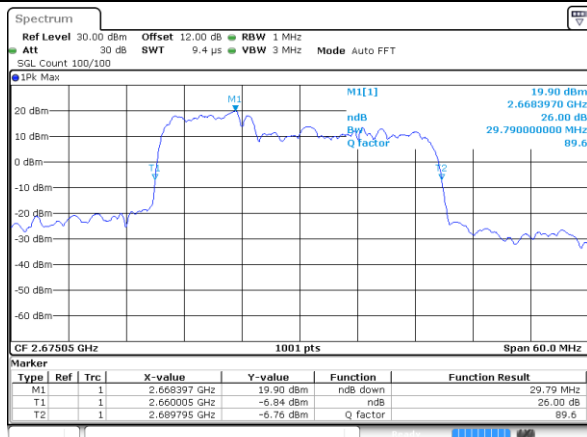
Date: 16 JUN 2020 18:02:42

Middle Channel / 15MHz+10MHz



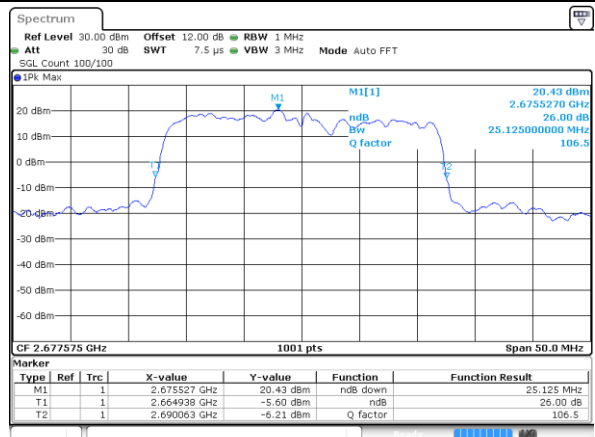
Date: 16 JUN 2020 19:24:04

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 18:15:33

Highest Channel / 15MHz+10MHz



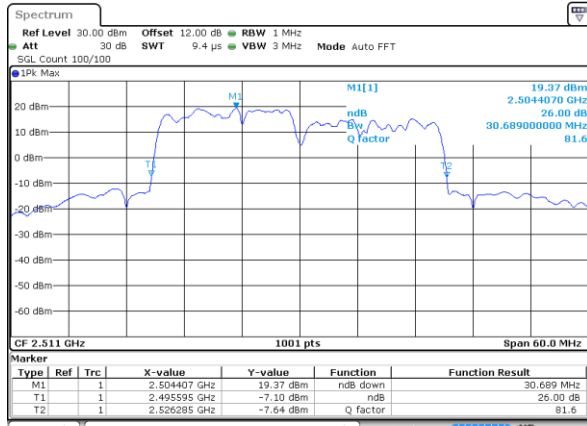
Date: 16 JUN 2020 19:38:00



LTE Band 41C

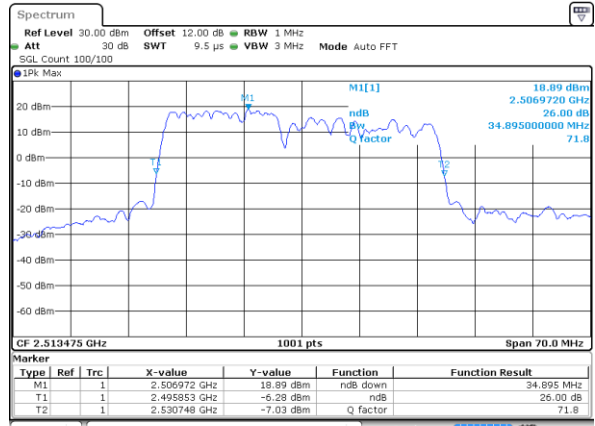
QPSK

Lowest Channel / 15MHz+15MHz



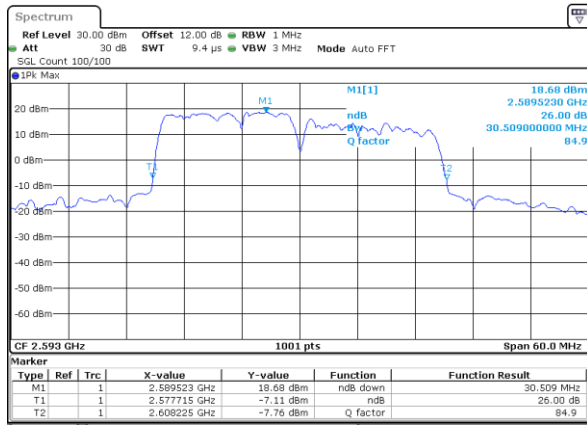
Date: 16 JUN 2020 04:44:44

Lowest Channel / 15MHz+20MHz



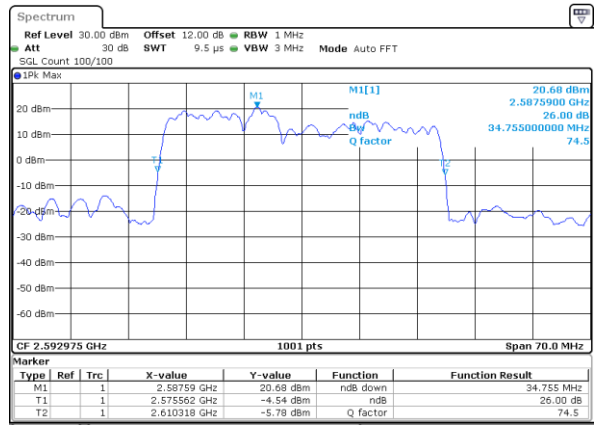
Date: 16 JUN 2020 03:12:10

Middle Channel / 15MHz+15MHz



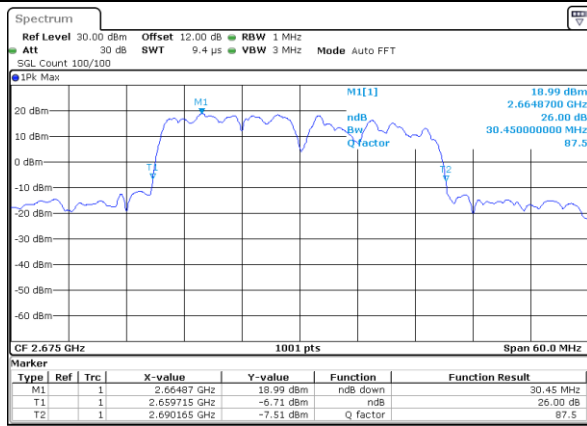
Date: 16 JUN 2020 04:49:32

Middle Channel / 15MHz+20MHz



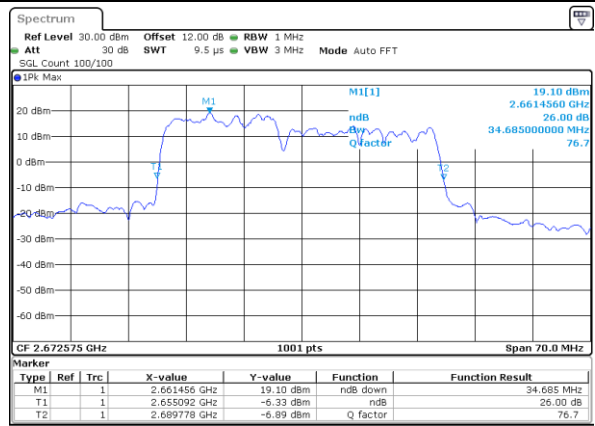
Date: 16 JUN 2020 03:16:04

Highest Channel / 15MHz+15MHz



Date: 16 JUN 2020 05:32:14

Highest Channel / 15MHz+20MHz



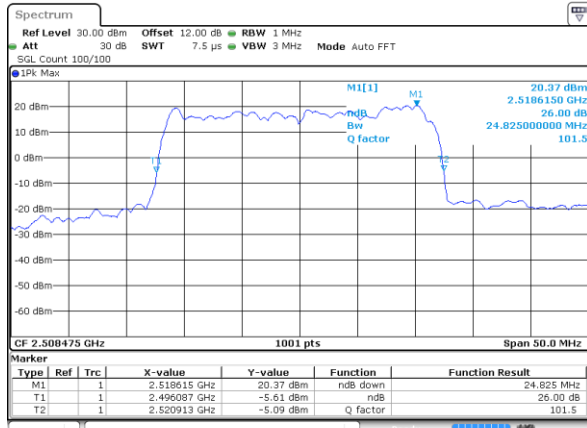
Date: 16 JUN 2020 04:01:39



LTE Band 41C

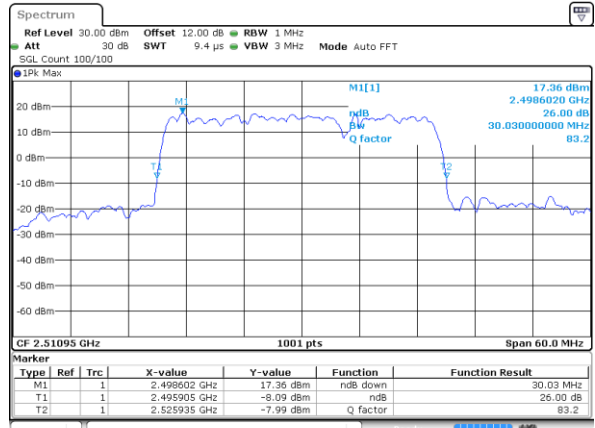
QPSK

Lowest Channel / 20MHz+5MHz



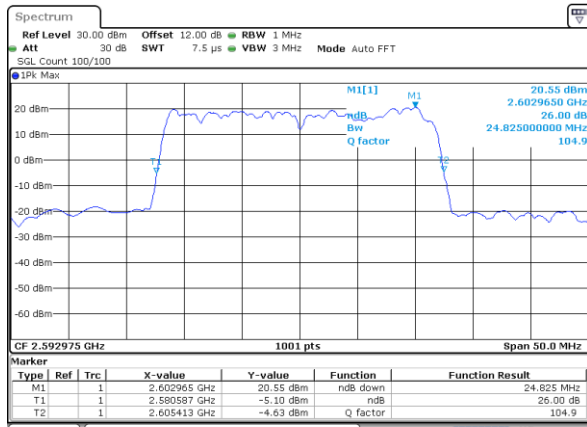
Date: 16 JUN 2020 11:21:07

Lowest Channel / 20MHz+10MHz



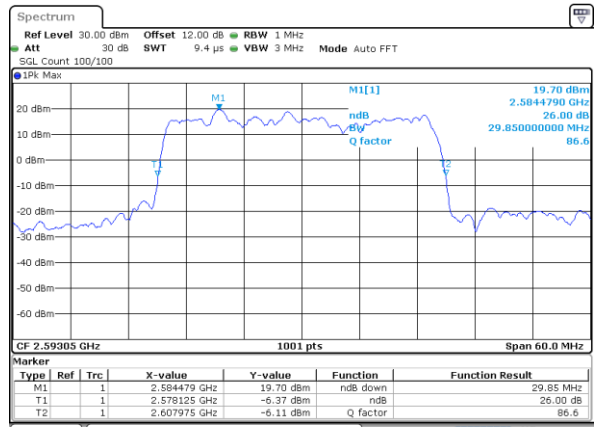
Date: 16 JUN 2020 06:07:31

Middle Channel / 20MHz+5MHz



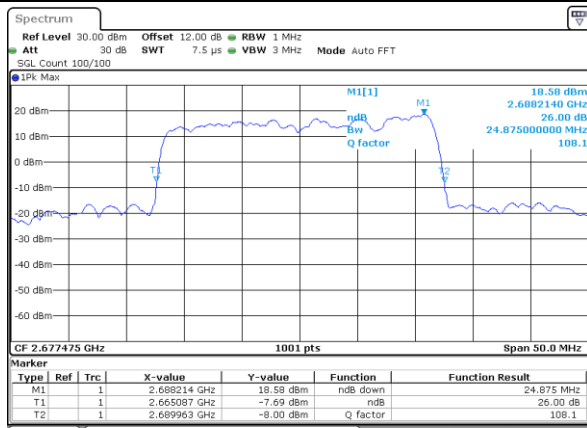
Date: 16 JUN 2020 13:44:35

Middle Channel / 20MHz+10MHz



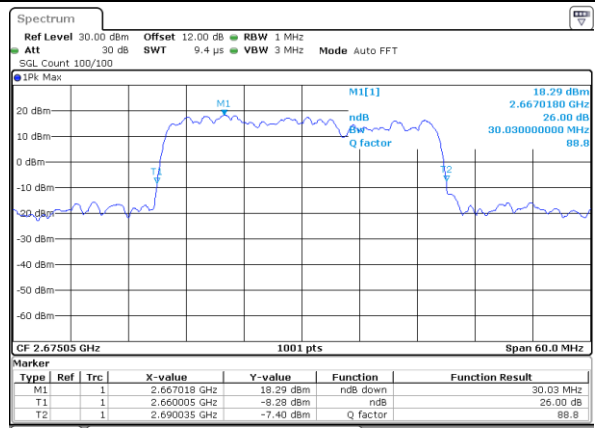
Date: 16 JUN 2020 06:10:05

Highest Channel / 20MHz+5MHz



Date: 16 JUN 2020 14:00:28

Highest Channel / 20MHz+10MHz



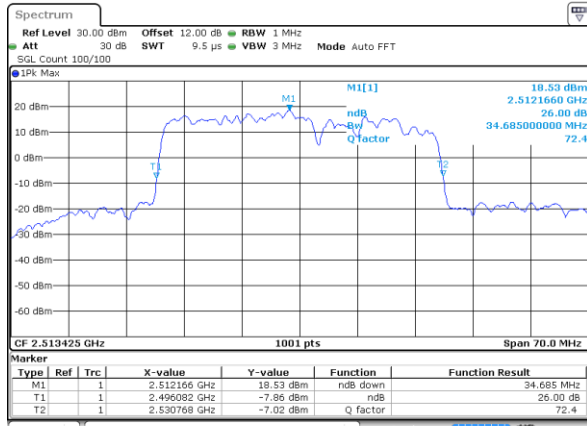
Date: 16 JUN 2020 08:21:59



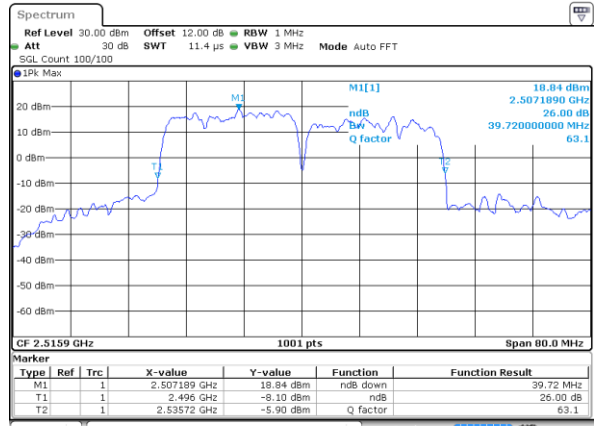
LTE Band 41C

QPSK

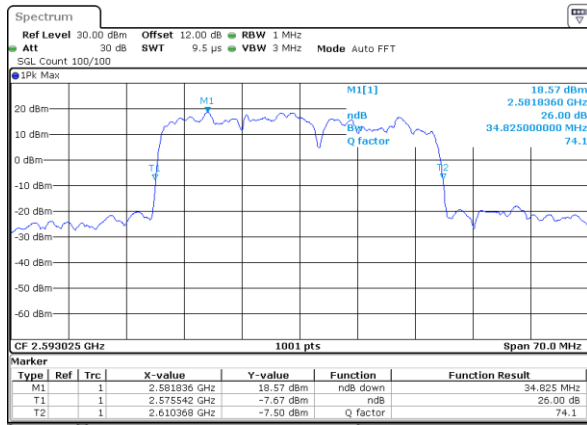
Lowest Channel / 20MHz+15MHz



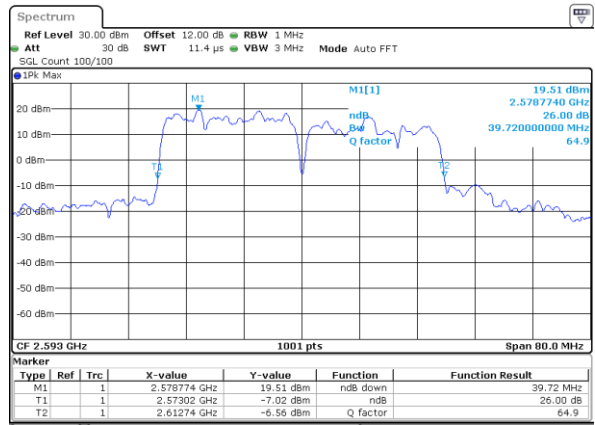
Lowest Channel / 20MHz+20MHz



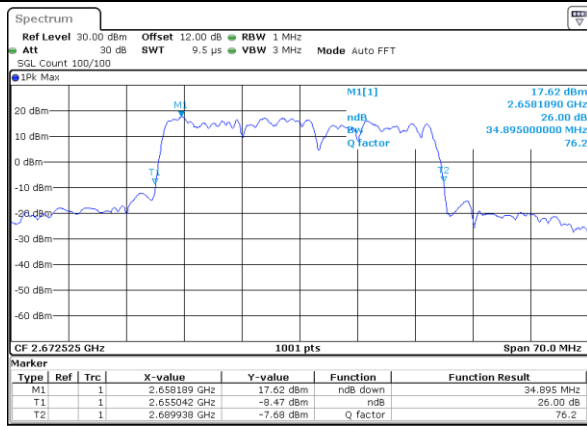
Middle Channel / 20MHz+15MHz



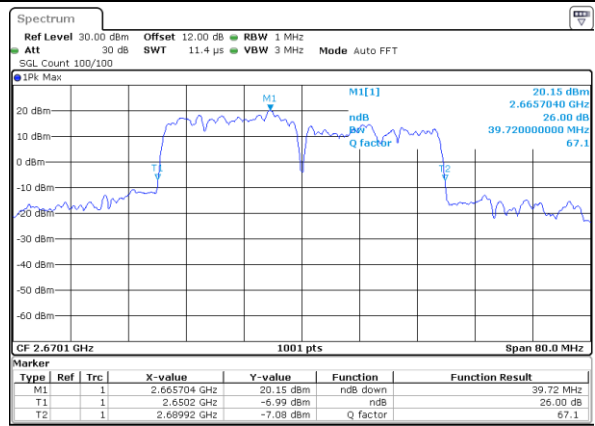
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

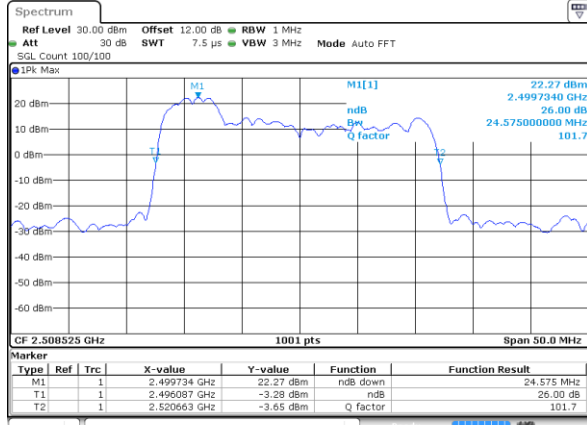




LTE Band 41C

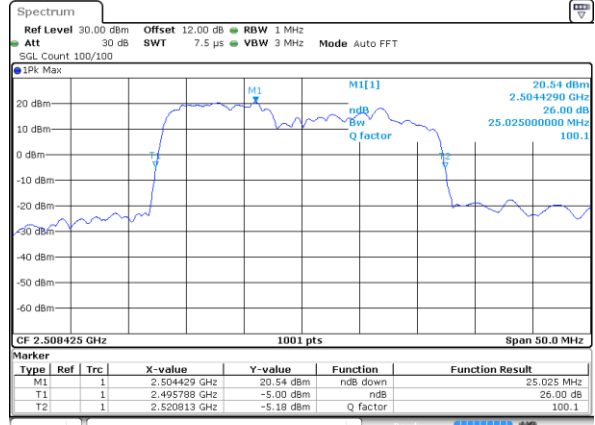
16QAM

Lowest Channel / 5MHz+20MHz



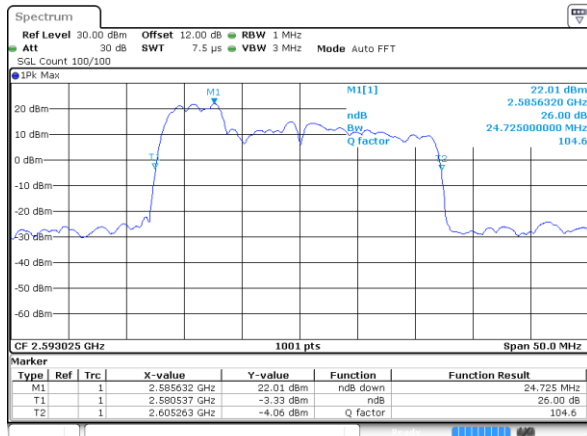
Date: 16 JUN 2020 10:11:42

Lowest Channel / 10MHz+15MHz



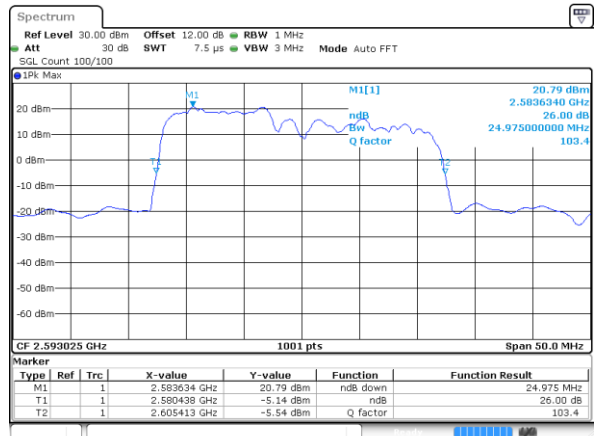
Date: 16 JUN 2020 14:23:17

Middle Channel / 5MHz+20MHz



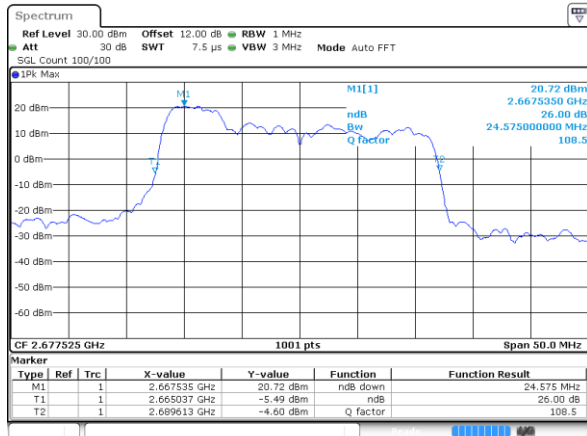
Date: 16 JUN 2020 10:35:26

Middle Channel / 10MHz+15MHz



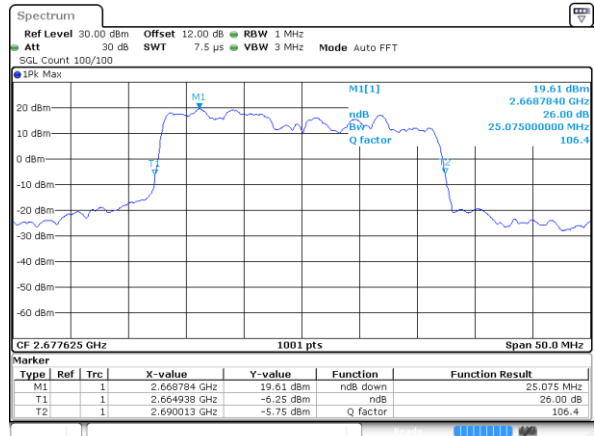
Date: 16 JUN 2020 16:08:59

Highest Channel / 5MHz+20MHz



Date: 16 JUN 2020 10:55:57

Highest Channel / 10MHz+15MHz



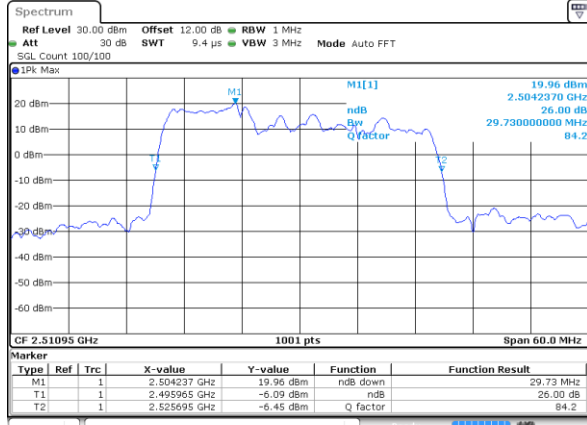
Date: 16 JUN 2020 16:34:43



LTE Band 41C

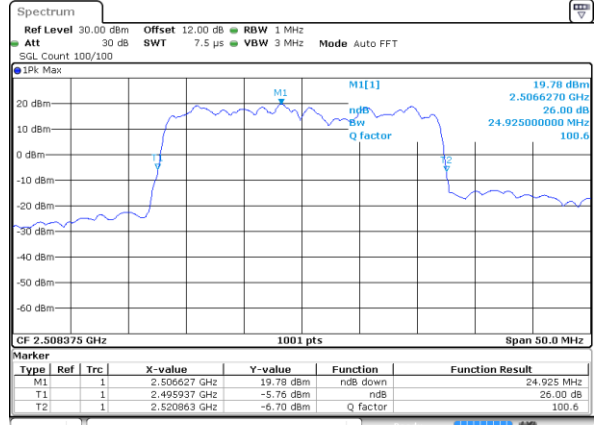
16QAM

Lowest Channel / 10MHz+20MHz



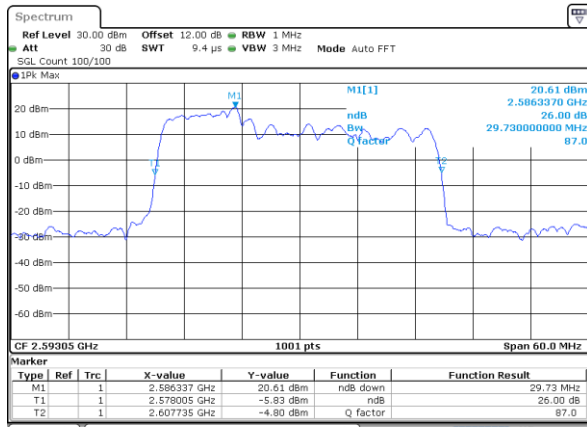
Date: 16 JUN 2020 17:42:26

Lowest Channel / 15MHz+10MHz



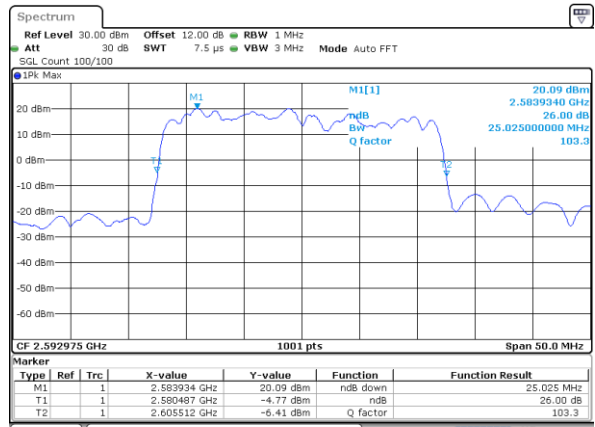
Date: 16 JUN 2020 19:04:02

Middle Channel / 10MHz+20MHz



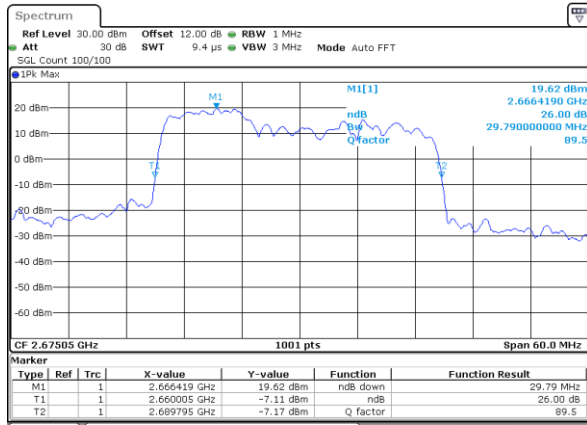
Date: 16 JUN 2020 18:02:20

Middle Channel / 15MHz+10MHz



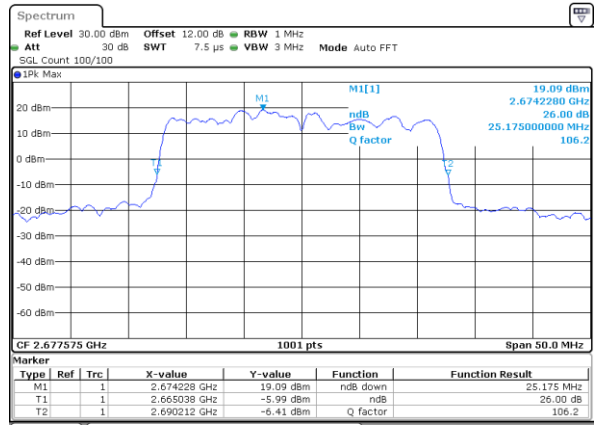
Date: 16 JUN 2020 19:23:41

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 18:15:55

Highest Channel / 15MHz+10MHz



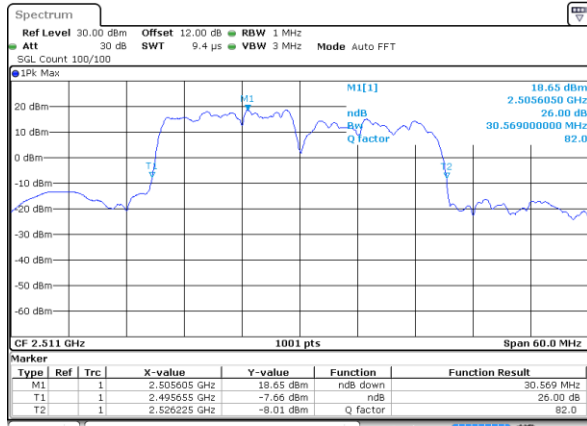
Date: 16 JUN 2020 19:38:22



LTE Band 41C

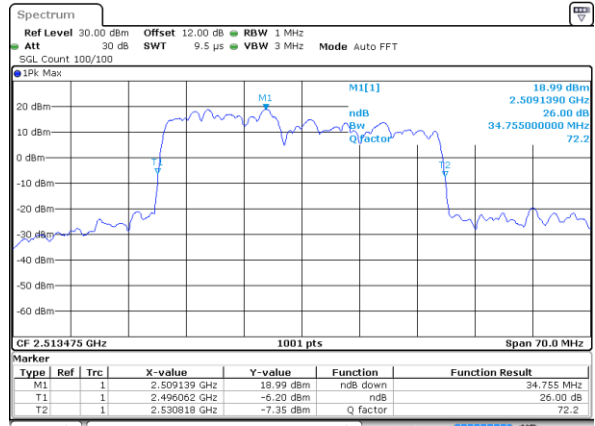
16QAM

Lowest Channel / 15MHz+15MHz



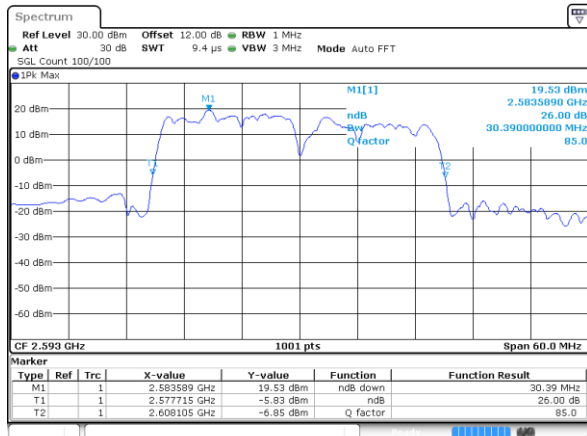
Date: 16 JUN 2020 04:44:21

Lowest Channel / 15MHz+20MHz



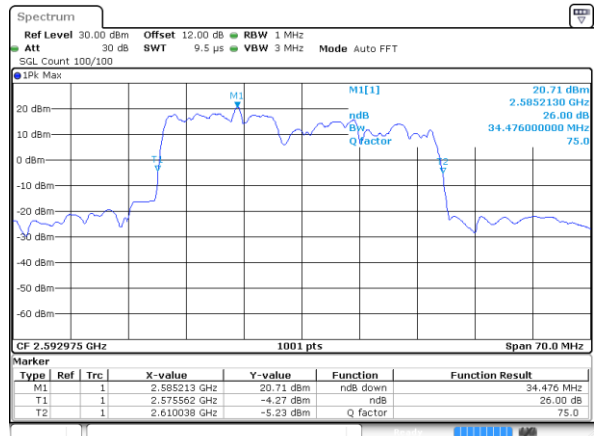
Date: 16 JUN 2020 03:11:48

Middle Channel / 15MHz+15MHz



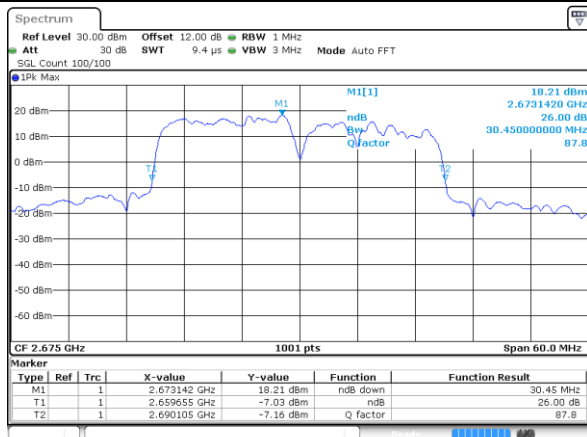
Date: 16 JUN 2020 04:49:09

Middle Channel / 15MHz+20MHz



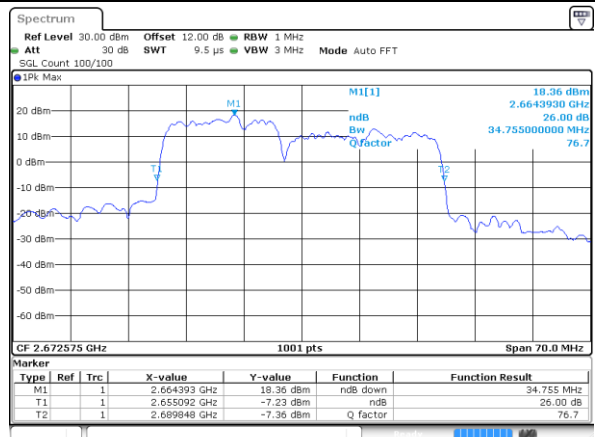
Date: 16 JUN 2020 03:15:42

Highest Channel / 15MHz+15MHz



Date: 16 JUN 2020 05:32:36

Highest Channel / 15MHz+20MHz



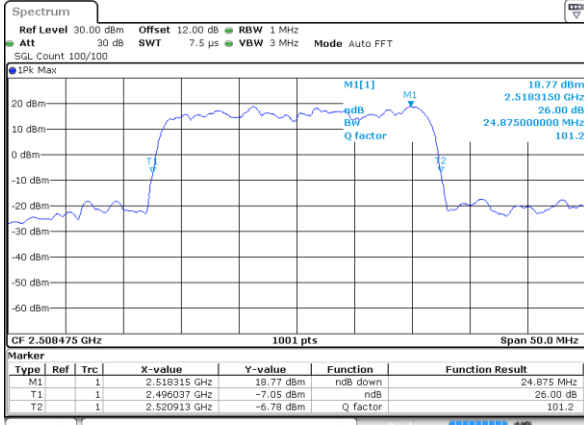
Date: 16 JUN 2020 04:02:02



LTE Band 41C

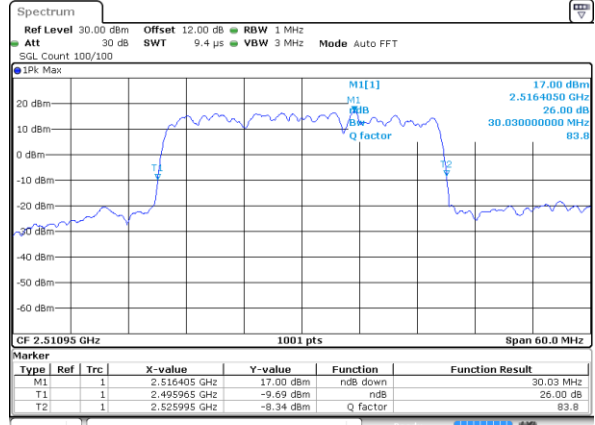
16QAM

Lowest Channel / 20MHz+5MHz



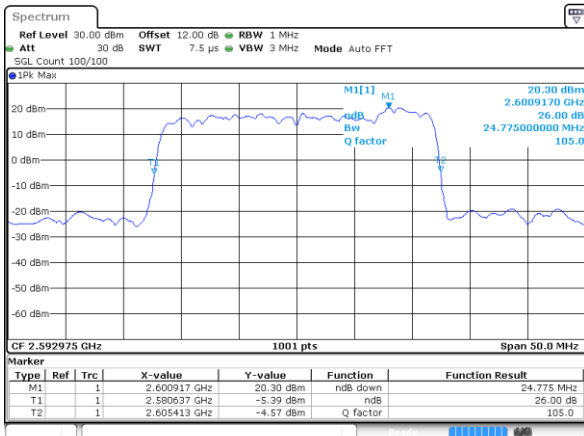
Date: 16 JUN 2020 11:20:45

Lowest Channel / 20MHz+10MHz



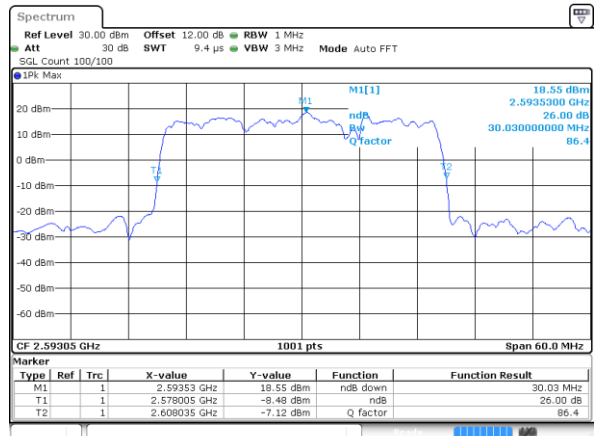
Date: 16 JUN 2020 06:07:09

Middle Channel / 20MHz+5MHz



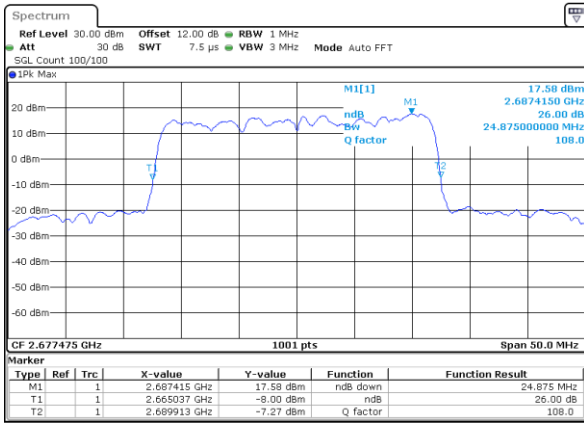
Date: 16 JUN 2020 13:44:12

Middle Channel / 20MHz+10MHz



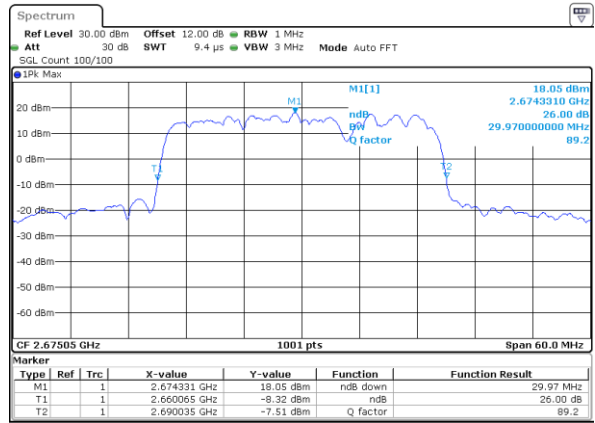
Date: 16 JUN 2020 06:12:42

Highest Channel / 20MHz+5MHz



Date: 16 JUN 2020 14:00:51

Highest Channel / 20MHz+10MHz



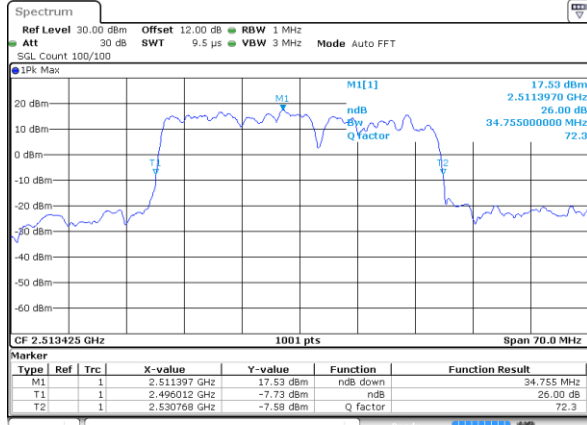
Date: 16 JUN 2020 08:22:21



LTE Band 41C

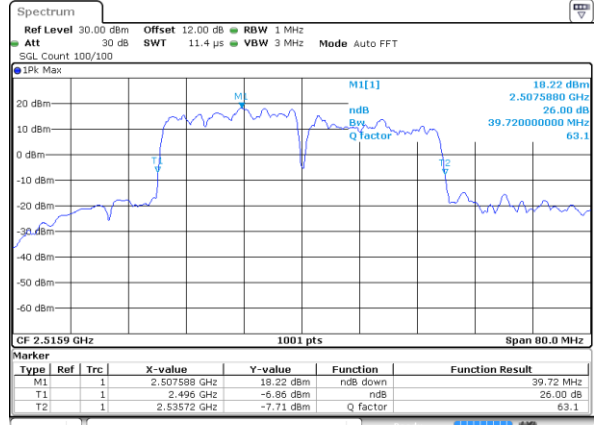
16QAM

Lowest Channel / 20MHz+15MHz



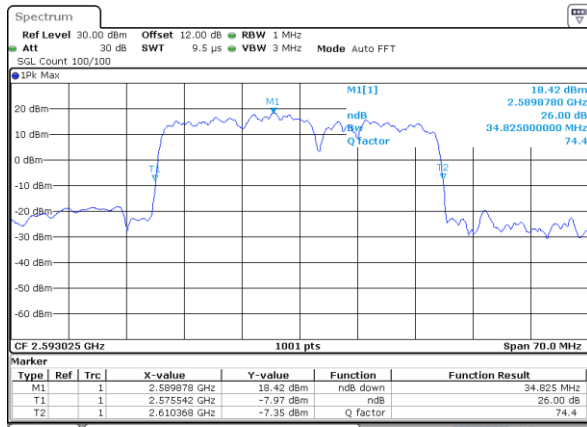
Date: 16 JUN 2020 01:49:52

Lowest Channel / 20MHz+20MHz



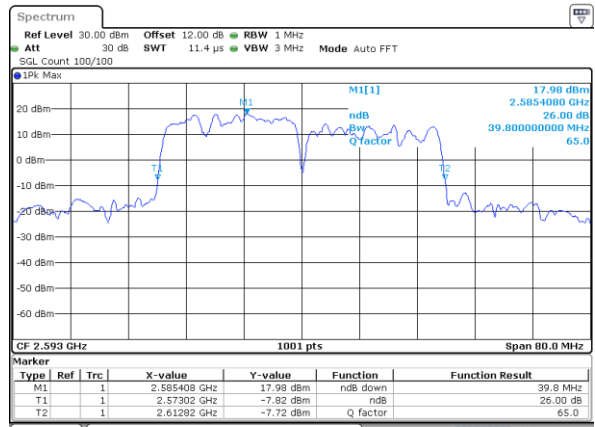
Date: 15 JUN 2020 22:48:27

Middle Channel / 20MHz+15MHz



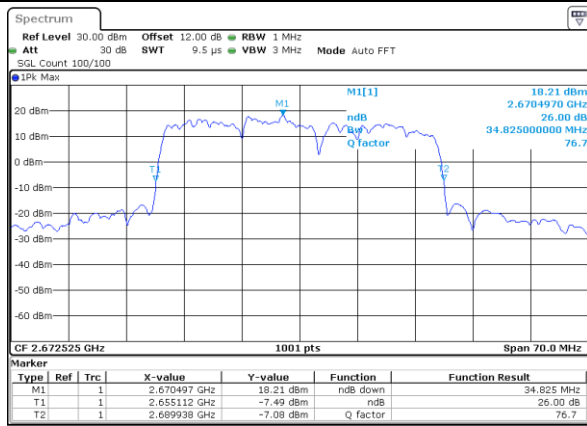
Date: 16 JUN 2020 01:59:39

Middle Channel / 20MHz+20MHz



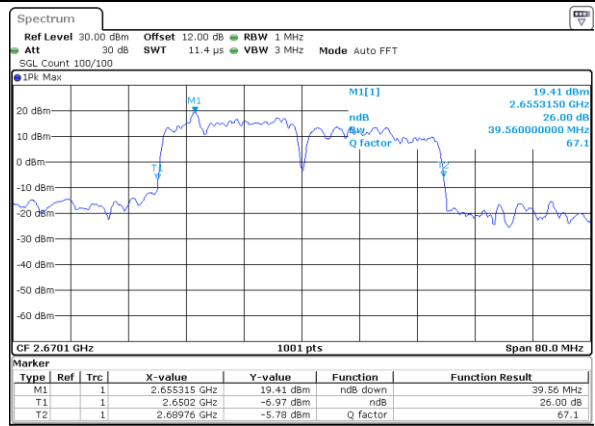
Date: 15 JUN 2020 23:44:52

Highest Channel / 20MHz+15MHz



Date: 16 JUN 2020 02:12:08

Highest Channel / 20MHz+20MHz



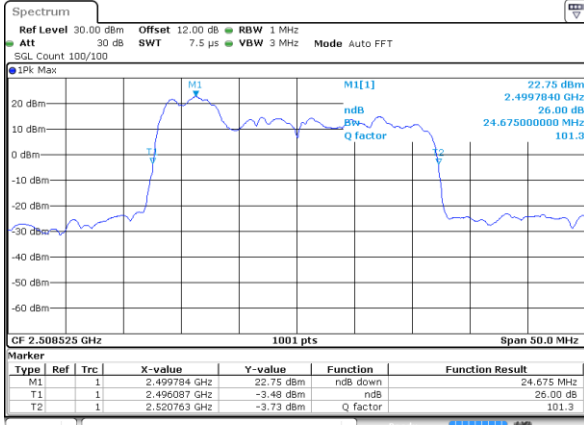
Date: 15 JUN 2020 23:52:54



LTE Band 41C

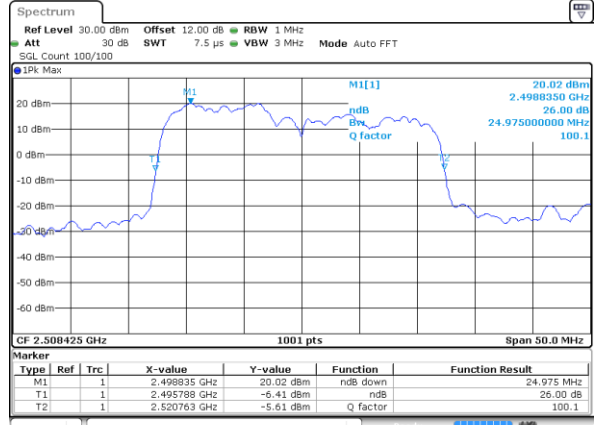
64QAM

Lowest Channel / 5MHz+20MHz



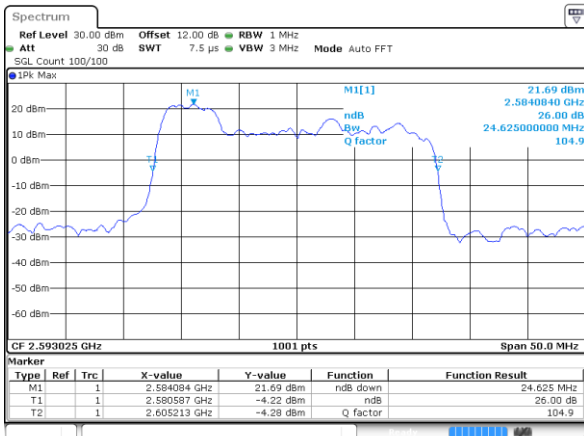
Date: 16 JUN 2020 10:11:19

Lowest Channel / 10MHz+15MHz



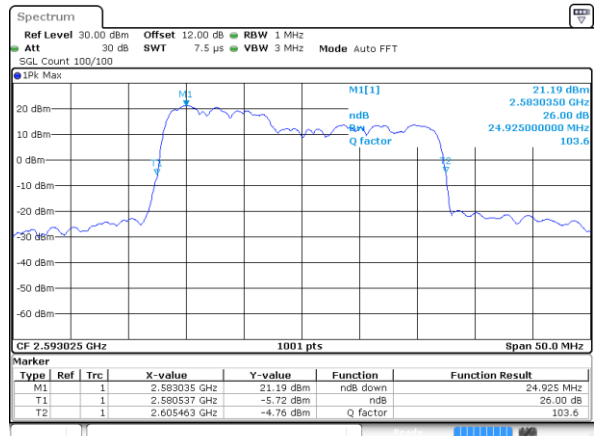
Date: 16 JUN 2020 14:22:55

Middle Channel / 5MHz+20MHz



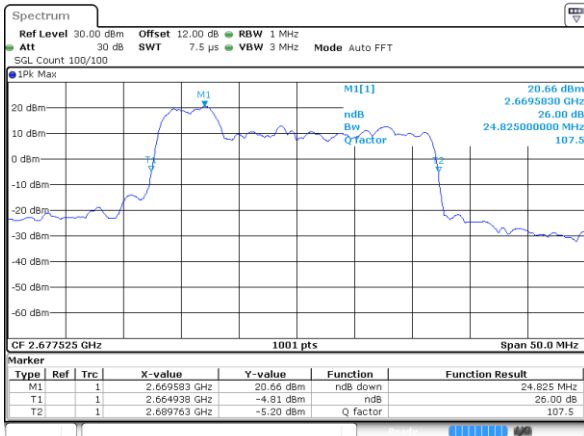
Date: 16 JUN 2020 10:35:03

Middle Channel / 10MHz+15MHz



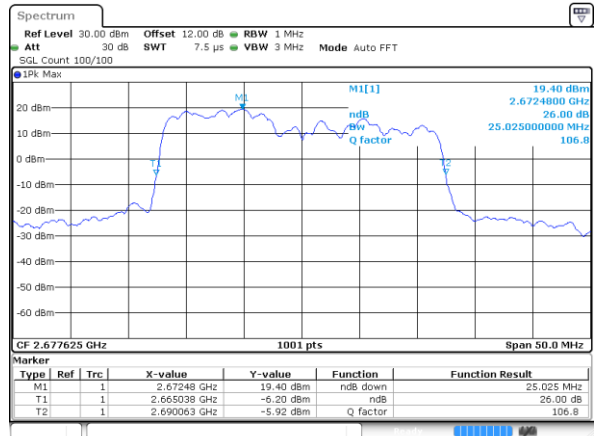
Date: 16 JUN 2020 16:08:37

Highest Channel / 5MHz+20MHz



Date: 16 JUN 2020 10:56:20

Highest Channel / 10MHz+15MHz



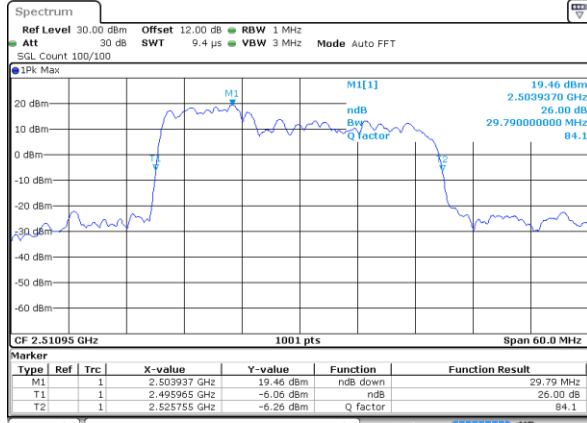
Date: 16 JUN 2020 16:35:06



LTE Band 41C

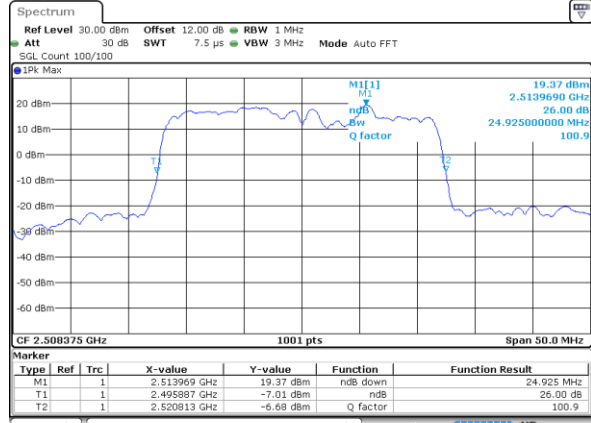
64QAM

Lowest Channel / 10MHz+20MHz



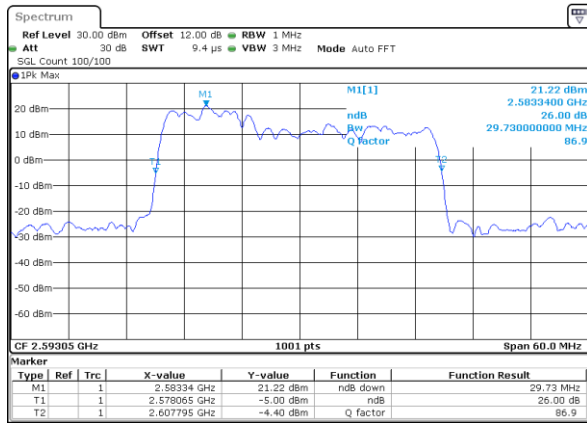
Date: 16 JUN 2020 17:42:03

Lowest Channel / 15MHz+10MHz



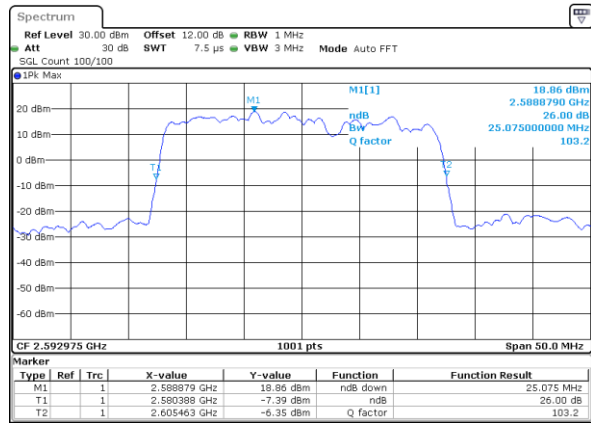
Date: 16 JUN 2020 19:03:39

Middle Channel / 10MHz+20MHz



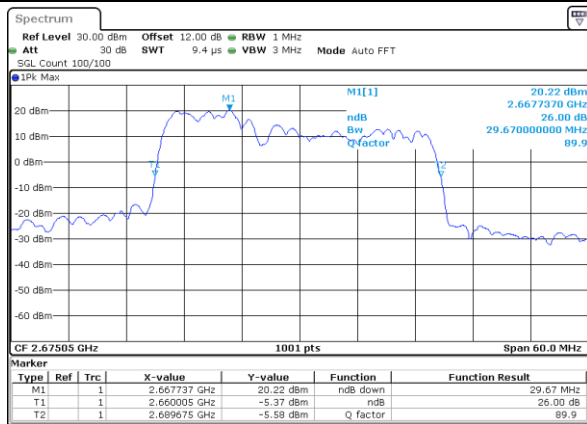
Date: 16 JUN 2020 18:01:58

Middle Channel / 15MHz+10MHz



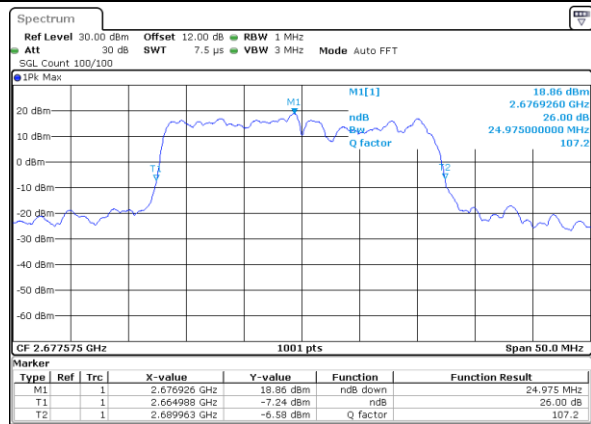
Date: 16 JUN 2020 19:23:19

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 18:16:17

Highest Channel / 15MHz+10MHz



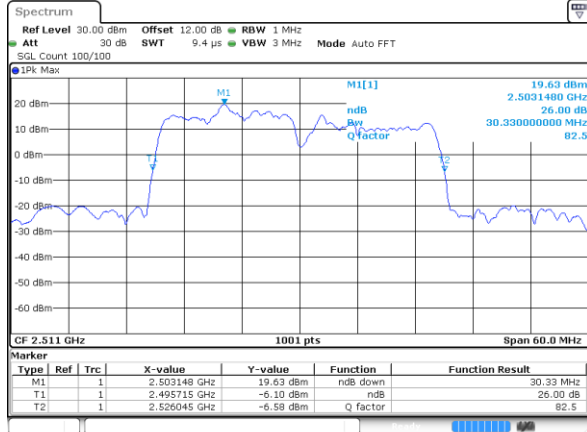
Date: 16 JUN 2020 19:38:45



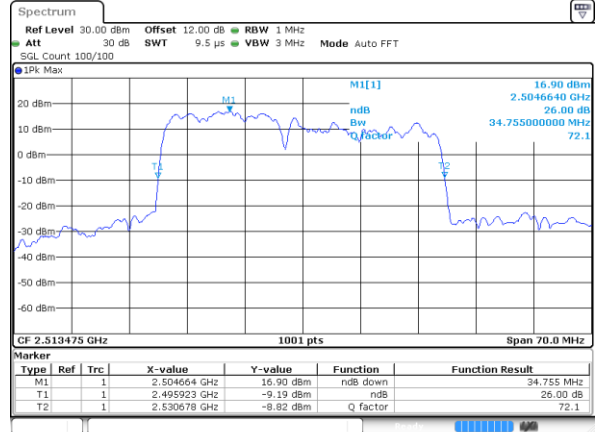
LTE Band 41C

64QAM

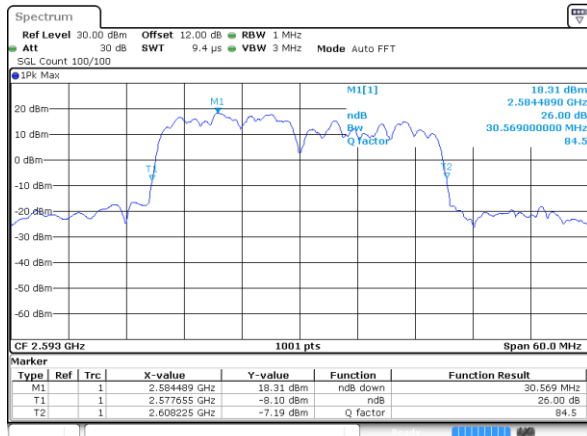
Lowest Channel / 15MHz+15MHz



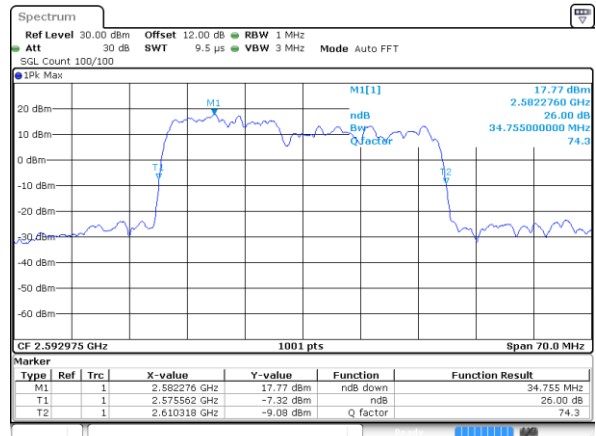
Lowest Channel / 15MHz+20MHz



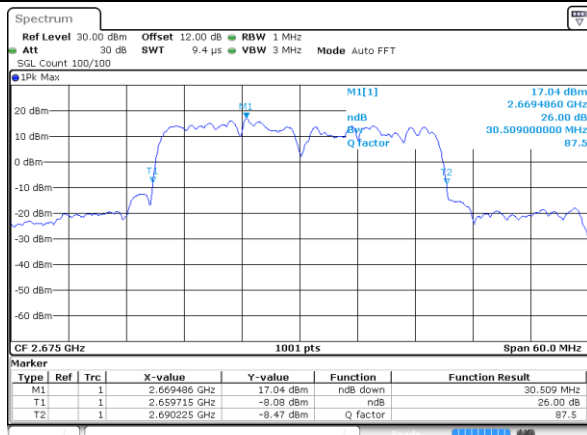
Middle Channel / 15MHz+15MHz



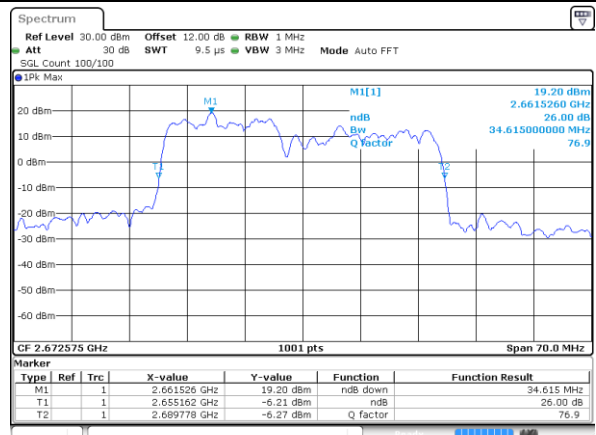
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

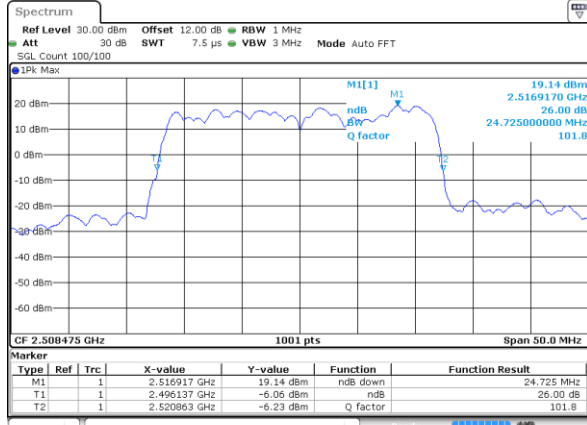




LTE Band 41C

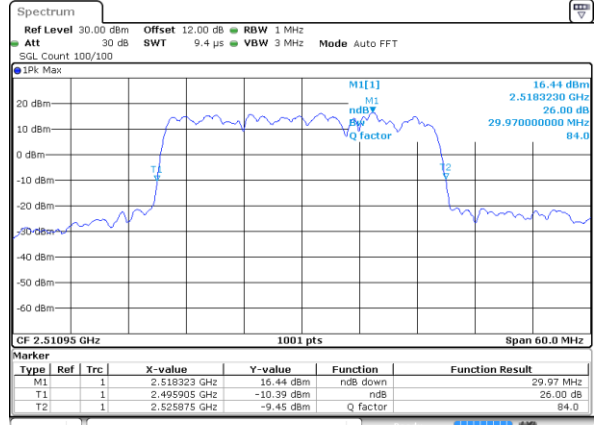
64QAM

Lowest Channel / 20MHz+5MHz



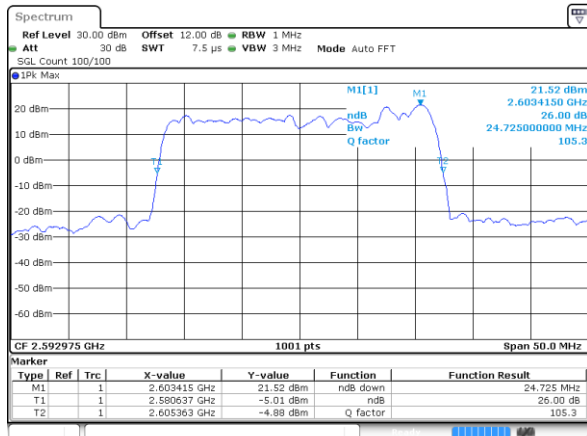
Date: 16 JUN 2020 11:20:22

Lowest Channel / 20MHz+10MHz



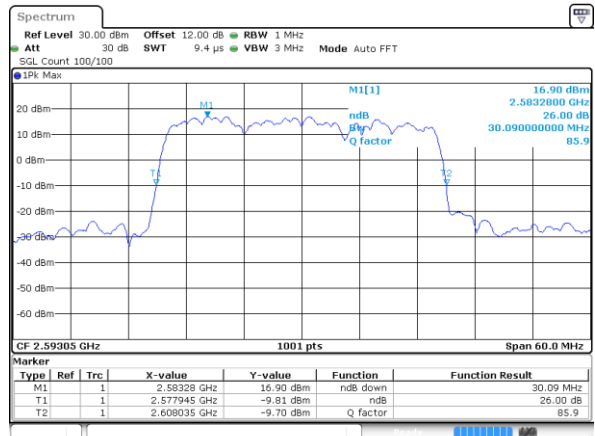
Date: 16 JUN 2020 06:06:46

Middle Channel / 20MHz+5MHz



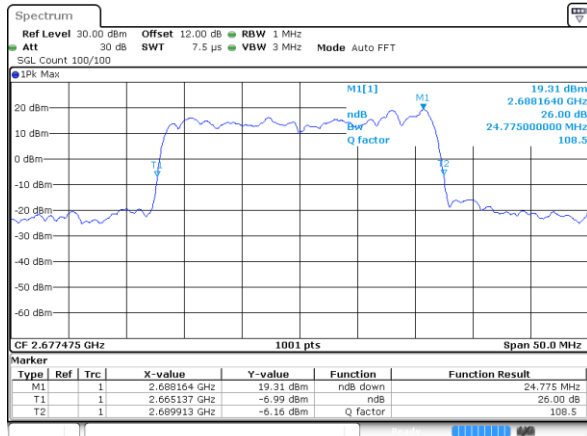
Date: 16 JUN 2020 13:43:50

Middle Channel / 20MHz+10MHz



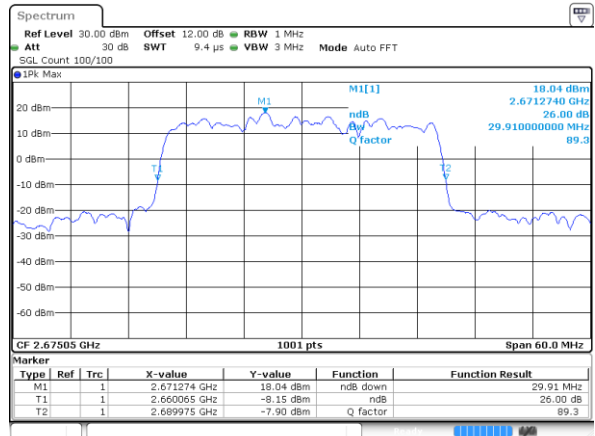
Date: 16 JUN 2020 06:12:20

Highest Channel / 20MHz+5MHz



Date: 16 JUN 2020 14:01:14

Highest Channel / 20MHz+10MHz



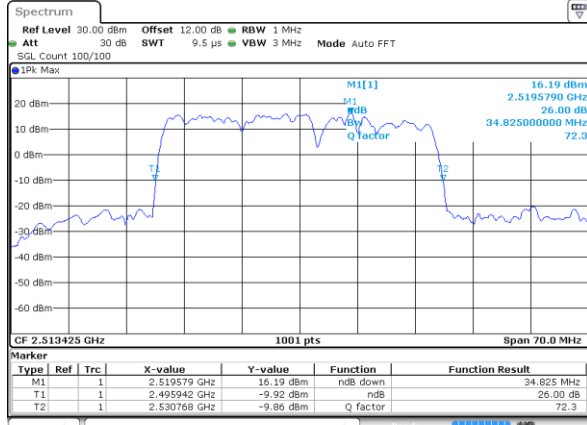
Date: 16 JUN 2020 08:22:44



LTE Band 41C

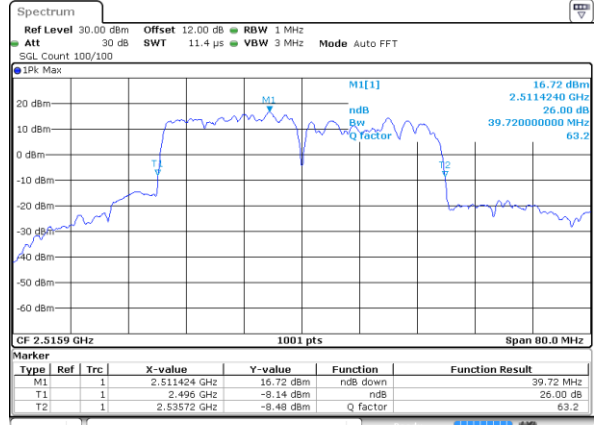
64QAM

Lowest Channel / 20MHz+15MHz



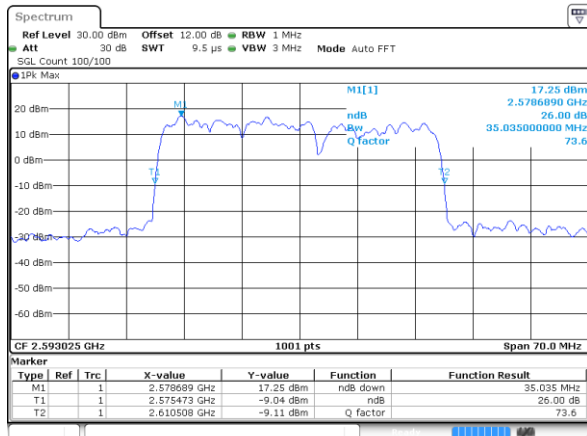
Date: 16 JUN 2020 01:49:29

Lowest Channel / 20MHz+20MHz



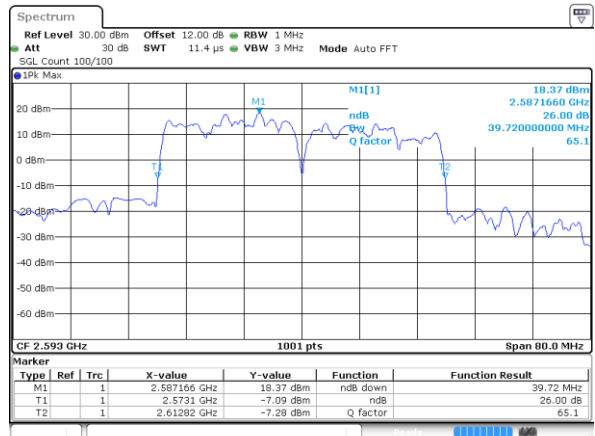
Date: 15 JUN 2020 22:48:04

Middle Channel / 20MHz+15MHz



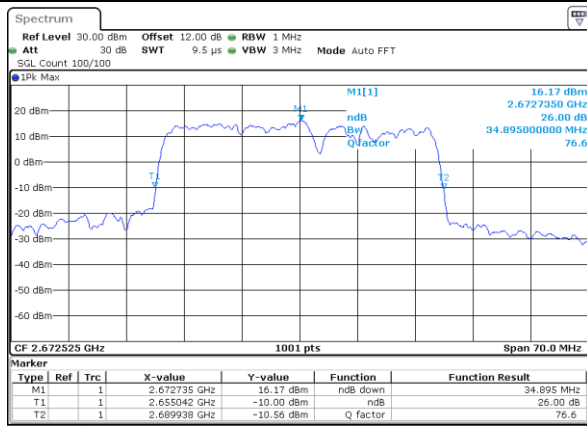
Date: 16 JUN 2020 01:59:16

Middle Channel / 20MHz+20MHz



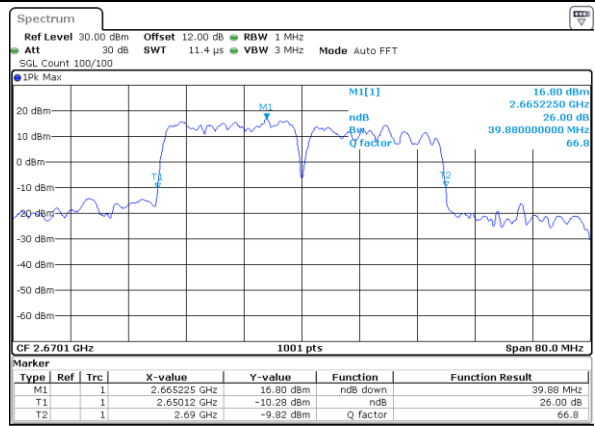
Date: 15 JUN 2020 23:44:30

Highest Channel / 20MHz+15MHz



Date: 16 JUN 2020 02:12:30

Highest Channel / 20MHz+20MHz



Date: 15 JUN 2020 23:53:17

**Occupied Bandwidth**

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.93	23.23	27.87	23.48	28.17
Middle CH	23.13	23.23	27.39	23.28	28.53
Highest CH	23.08	23.43	27.63	23.23	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	23.38	27.99	32.73	37.48
Middle CH	32.87	23.38	27.99	33.08	37.64
Highest CH	32.80	23.23	28.05	32.59	37.16

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.23	23.28	28.11	23.33	28.41
Middle CH	23.03	23.33	28.05	23.43	28.71
Highest CH	23.03	23.23	27.93	23.58	28.41
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.45	23.28	27.87	32.45	37.40
Middle CH	32.66	22.98	27.93	32.73	37.72
Highest CH	32.59	23.38	27.99	32.73	37.56

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.98	23.28	27.75	23.08	28.65
Middle CH	23.03	23.23	27.63	23.18	28.11
Highest CH	22.78	23.03	27.75	23.38	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.59	23.23	27.81	32.87	37.48
Middle CH	32.38	23.28	27.93	32.52	37.24
Highest CH	32.80	23.18	27.75	32.80	37.64