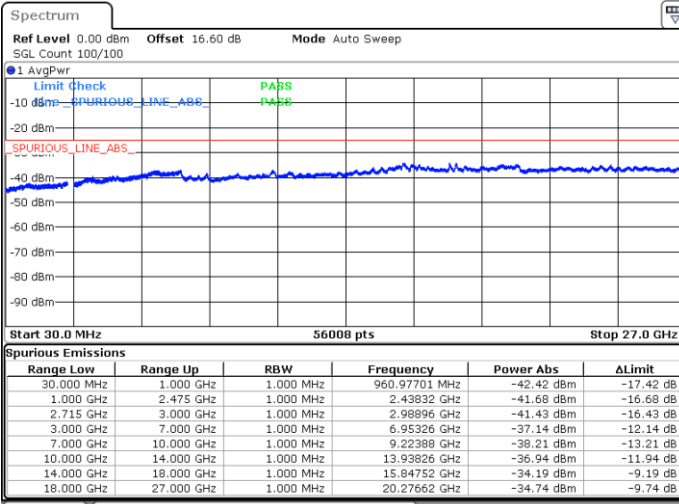




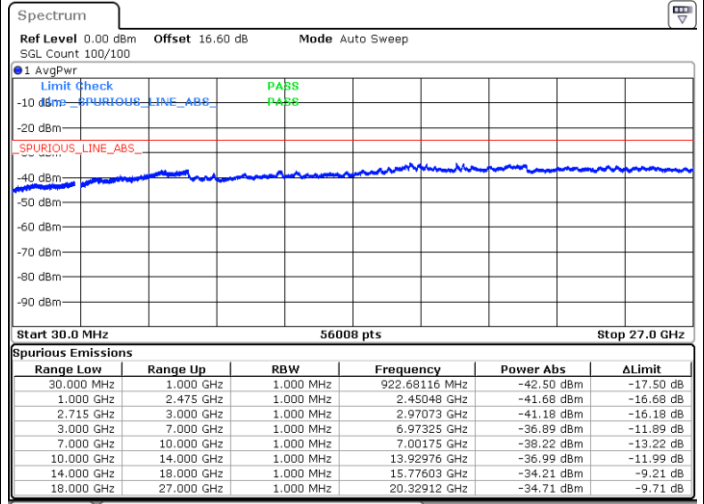
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 13.JUN.2020 20:10:46

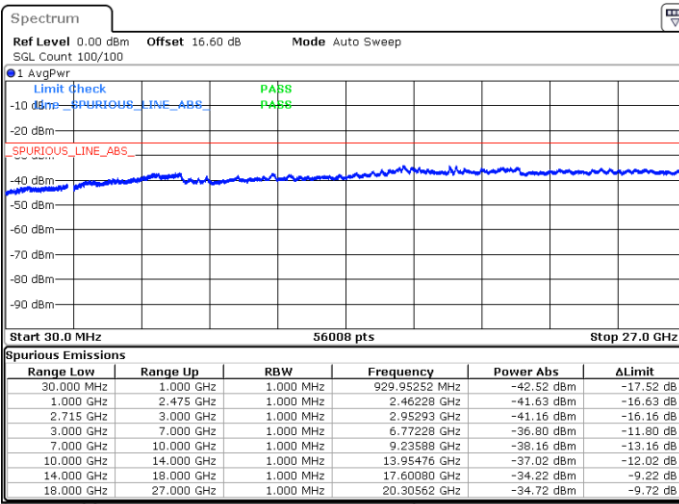
Highest Channel / 16QAM



Date: 13.JUN.2020 20:11:36

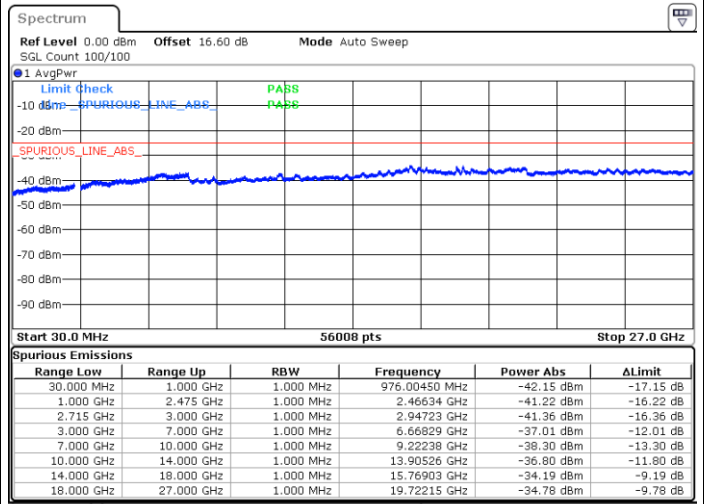
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 13.JUN.2020 20:17:31

Lowest Channel / 16QAM



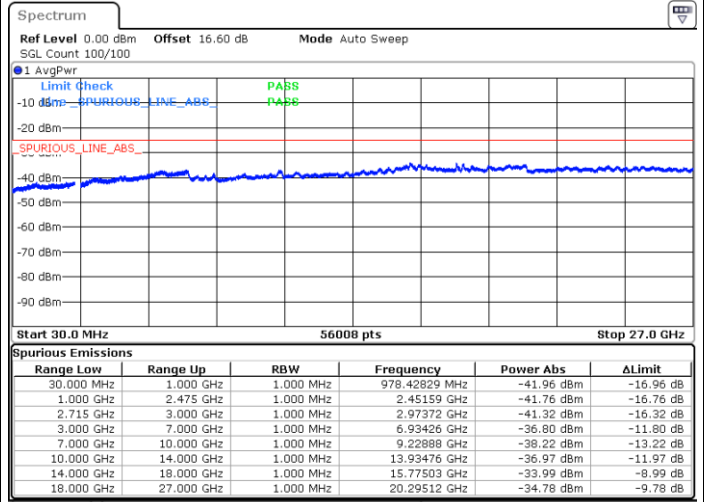
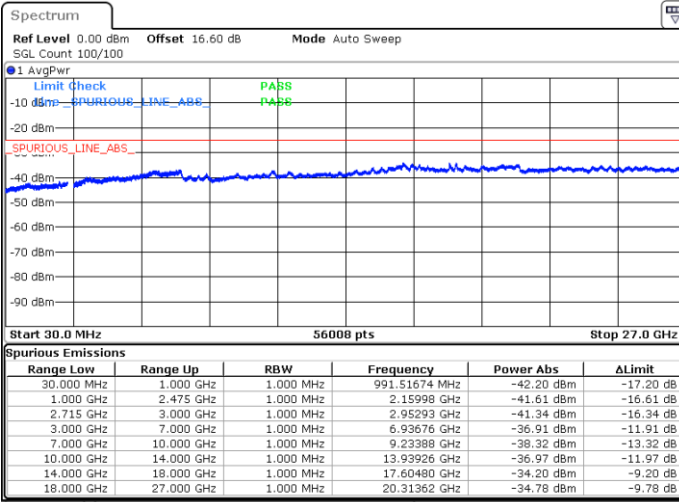
Date: 13.JUN.2020 20:18:22



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

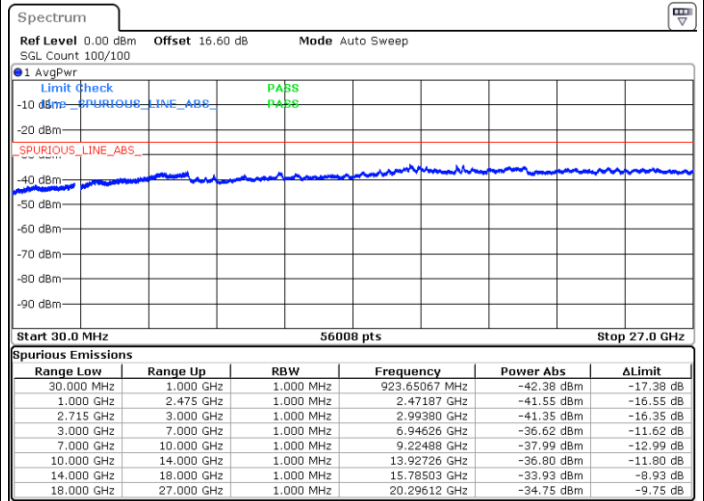
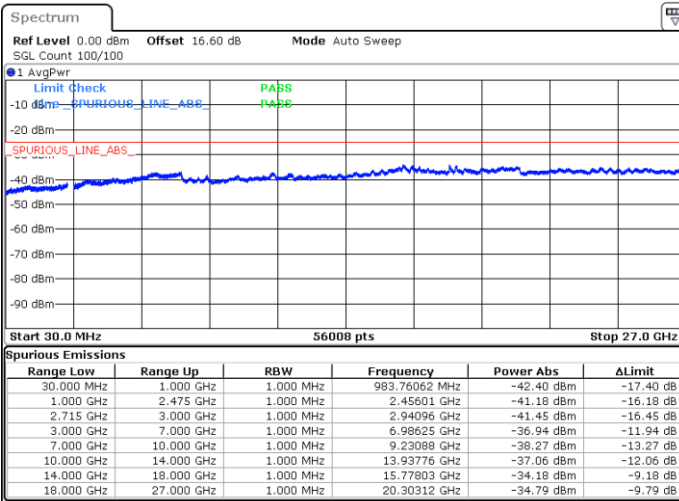


Date: 13.JUN.2020 20:19:12

Date: 13.JUN.2020 20:20:03

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.JUN.2020 20:20:53

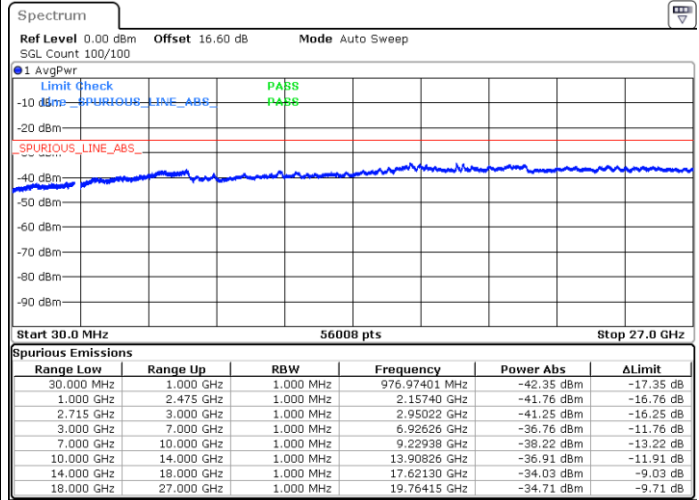
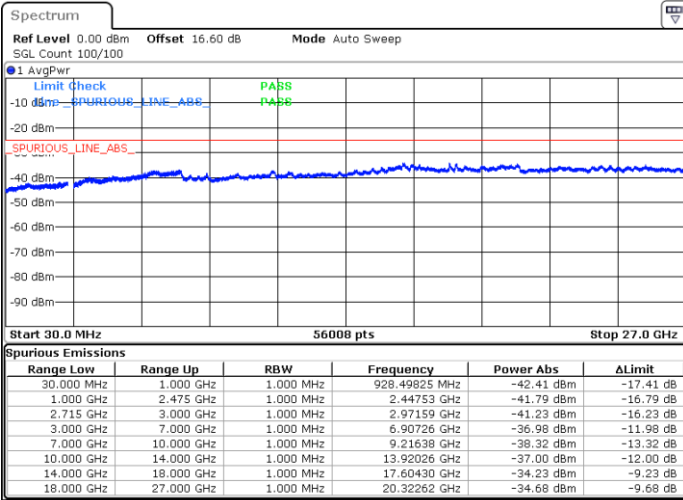
Date: 13.JUN.2020 20:21:44



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

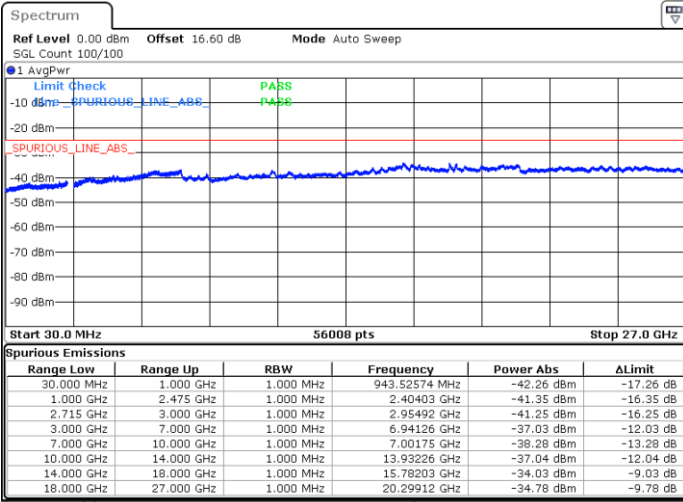
Middle Channel / 64QAM



Date: 13.JUN.2020 19:45:34

Date: 13.JUN.2020 19:46:54

Highest Channel / 64QAM



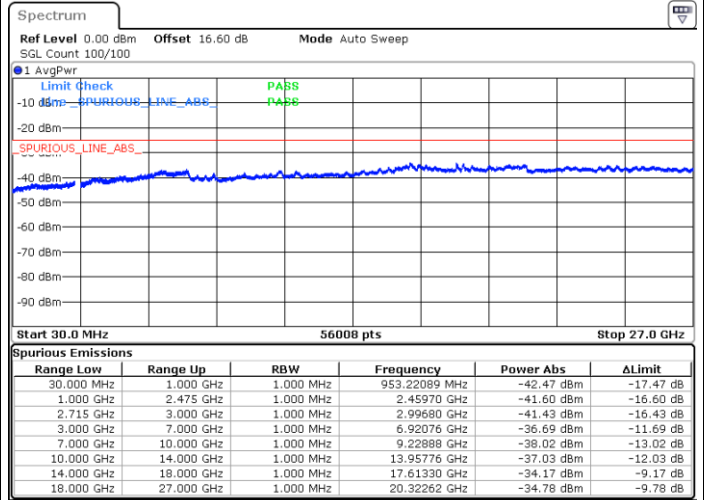
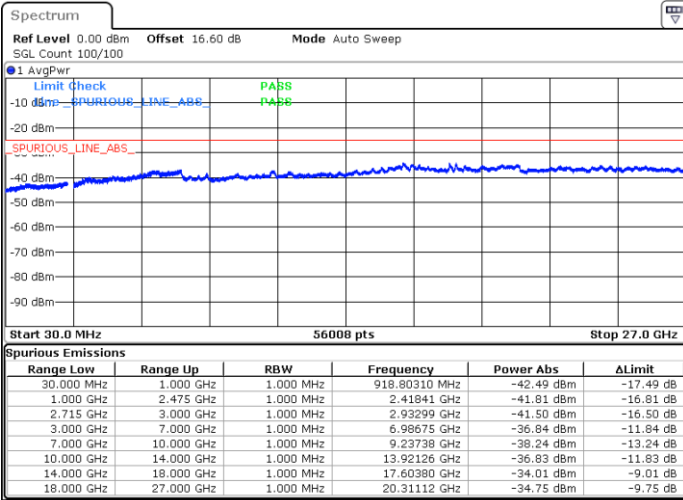
Date: 13.JUN.2020 19:48:14



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

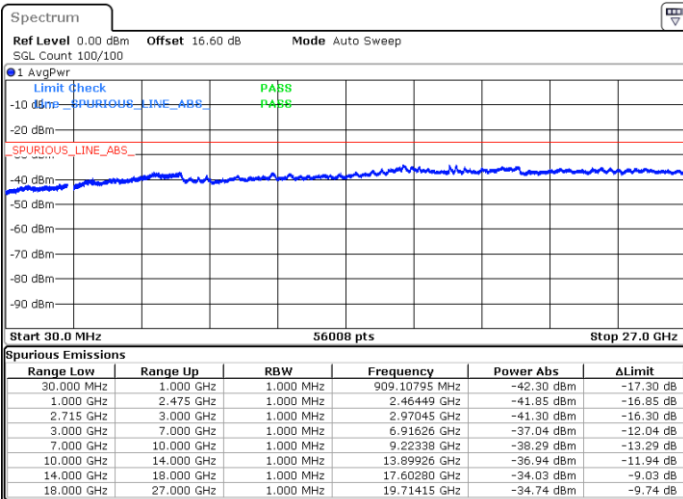
Middle Channel / 64QAM



Date: 13.JUN.2020 19:57:35

Date: 13.JUN.2020 20:00:38

Highest Channel / 64QAM



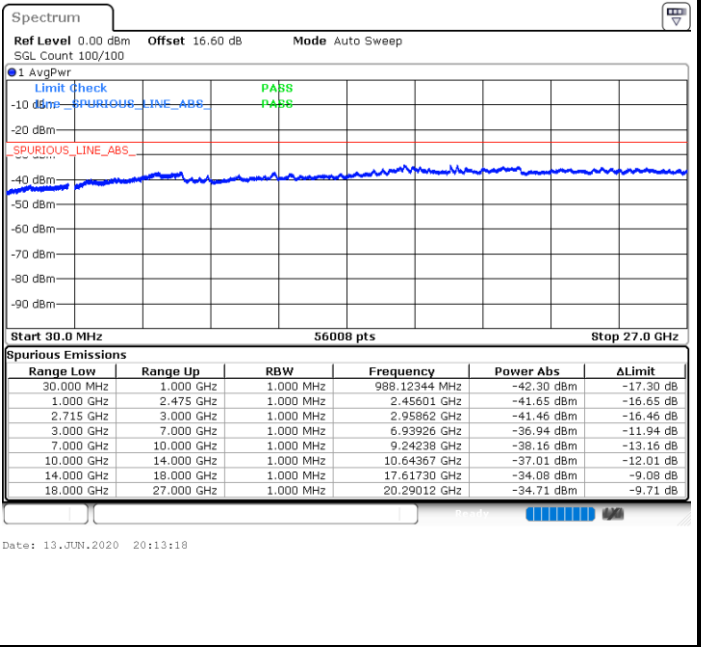
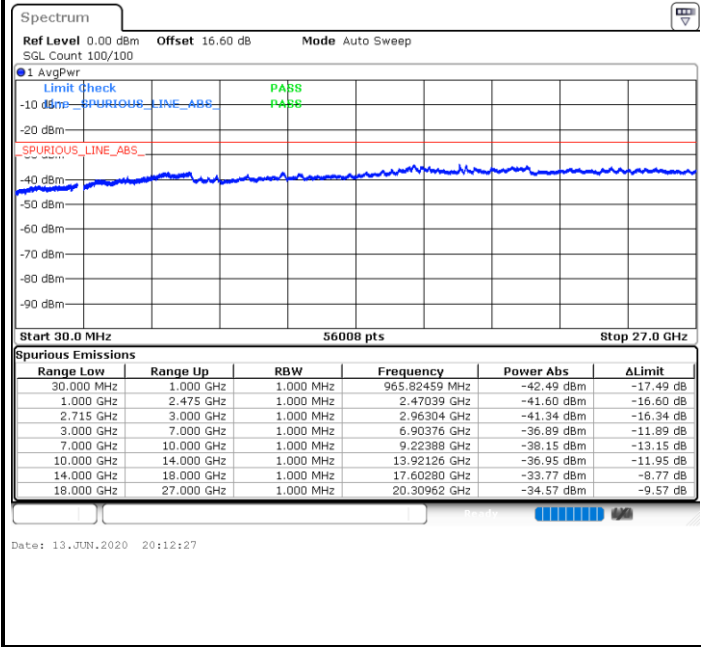
Date: 13.JUN.2020 20:01:29



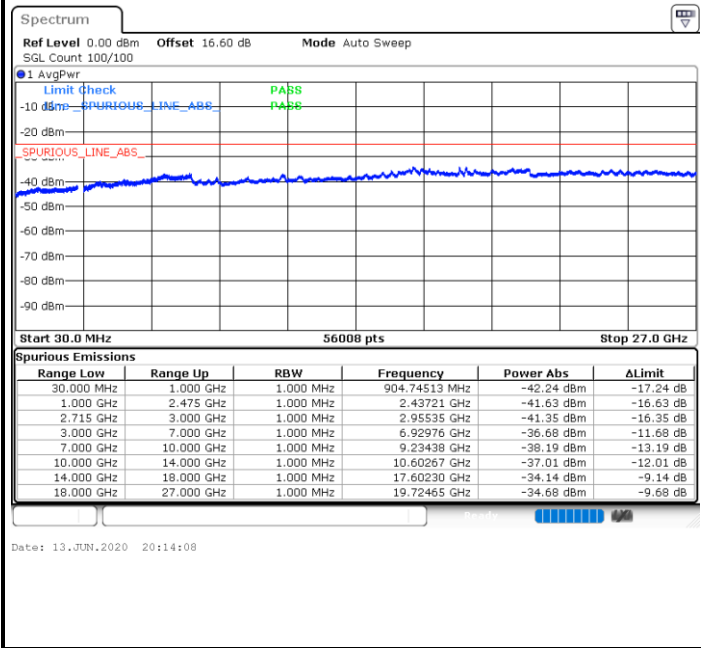
LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

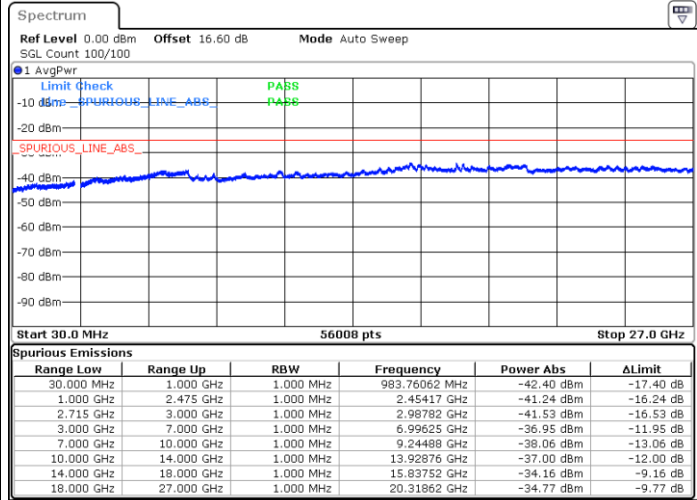
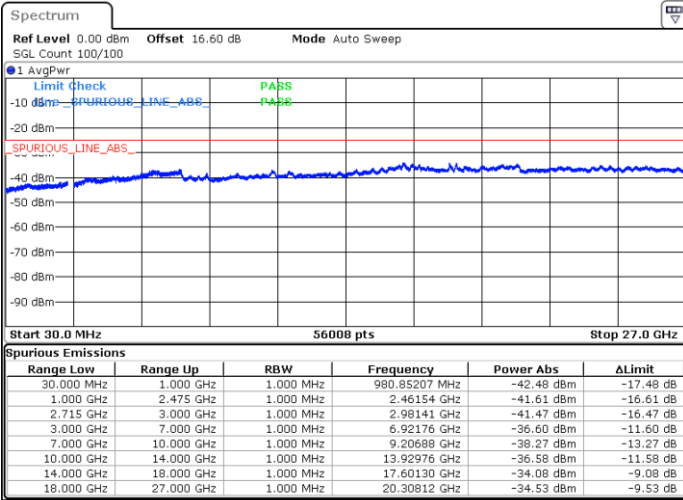




LTE Band 41 / 20MHz

Lowest Channel / 64QAM

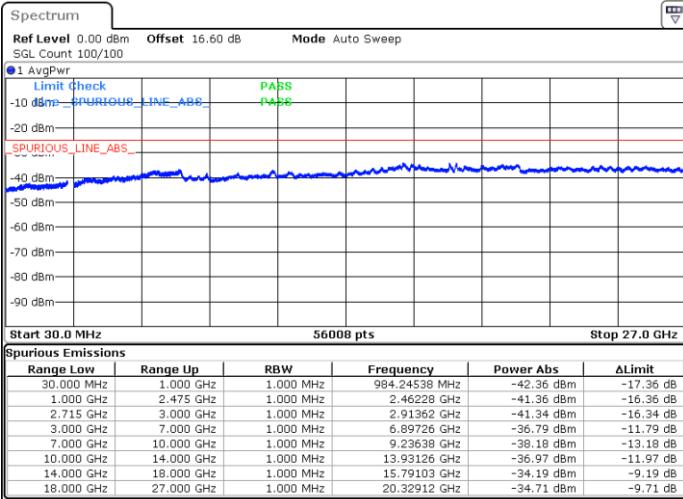
Middle Channel / 64QAM



Date: 13.JUN.2020 20:14:59

Date: 13.JUN.2020 20:15:50

Highest Channel / 64QAM



Date: 13.JUN.2020 20:16:40



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	0.0003	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41CA

26dB Bandwidth

Mode	LTE Band 41CA : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.18	29.91	25.03	30.51
Middle CH	24.78	25.13	29.91	25.18	30.57
Highest CH	24.73	25.03	29.73	25.03	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.04	24.88	29.97	34.90	39.80
Middle CH	34.83	24.93	29.91	34.76	39.72
Highest CH	34.69	24.93	30.09	34.97	39.72

Mode	LTE Band 41CA: 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.98	24.88	29.73	24.98	30.51
Middle CH	24.78	25.08	29.73	25.18	30.69
Highest CH	24.78	25.08	29.97	25.13	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.88	29.97	34.69	39.80
Middle CH	34.83	24.88	30.21	34.90	39.72
Highest CH	34.83	24.78	29.79	34.76	39.80

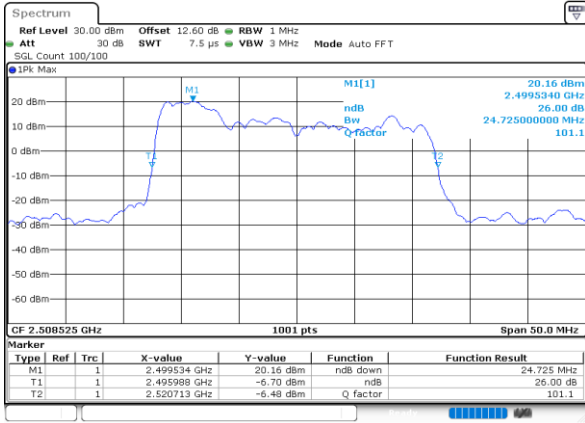
Mode	LTE Band 41CA: 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.53	24.83	29.73	25.13	30.39
Middle CH	24.73	25.03	29.85	25.13	30.45
Highest CH	24.68	24.88	29.91	25.13	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	25.18	30.03	35.32	39.72
Middle CH	34.90	24.93	29.97	34.83	39.64
Highest CH	34.90	24.93	29.97	34.97	39.72



LTE Band 41CA

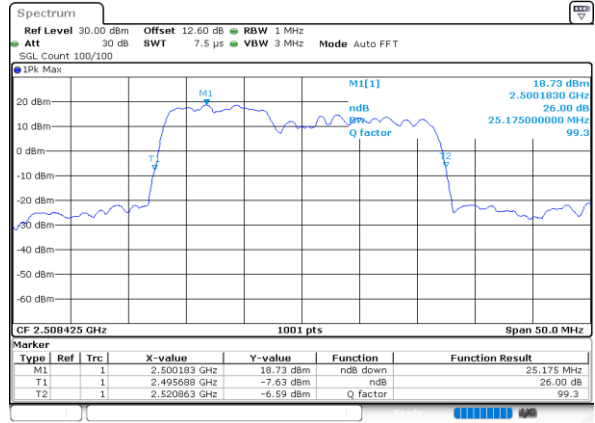
QPSK

Lowest Channel / 5MHz+20MHz



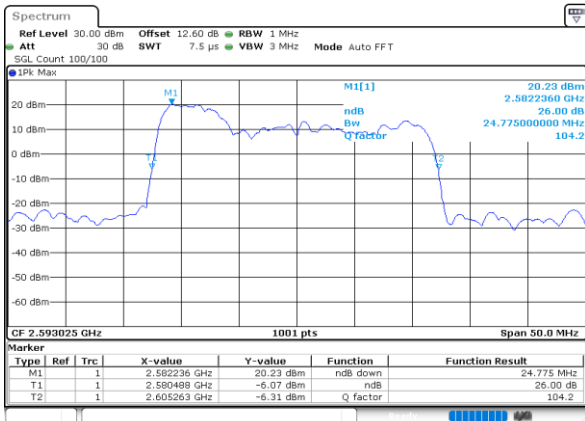
Date: 14 JUN 2020 20:45:06

Lowest Channel / 10MHz+15MHz



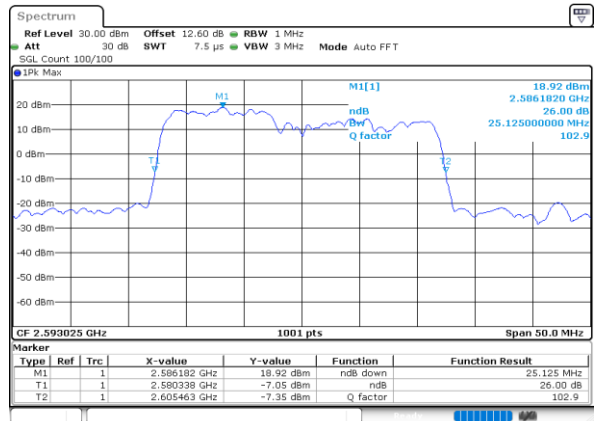
Date: 16 JUN 2020 10:11:46

Middle Channel / 5MHz+20MHz



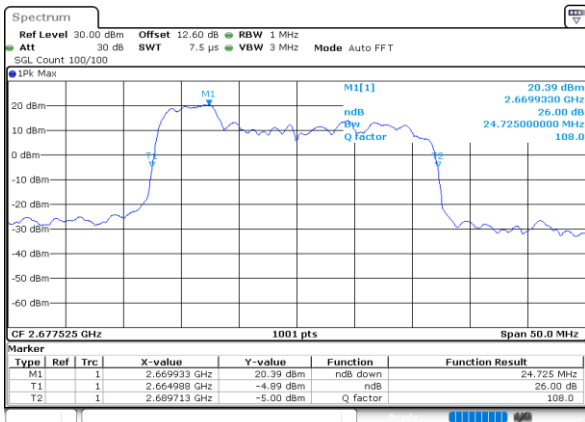
Date: 14 JUN 2020 20:48:04

Middle Channel / 10MHz+15MHz



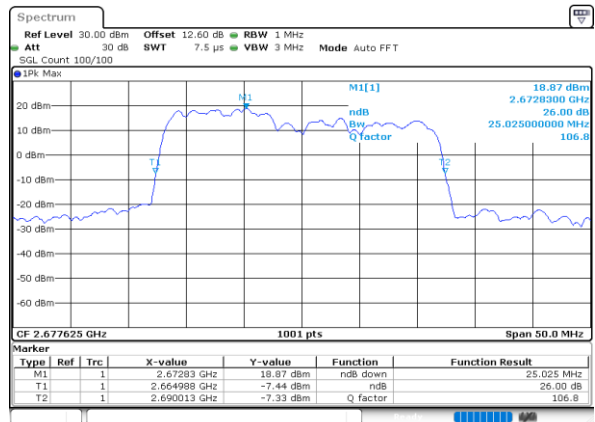
Date: 16 JUN 2020 10:44:48

Highest Channel / 5MHz+20MHz



Date: 14 JUN 2020 22:46:12

Highest Channel / 10MHz+15MHz



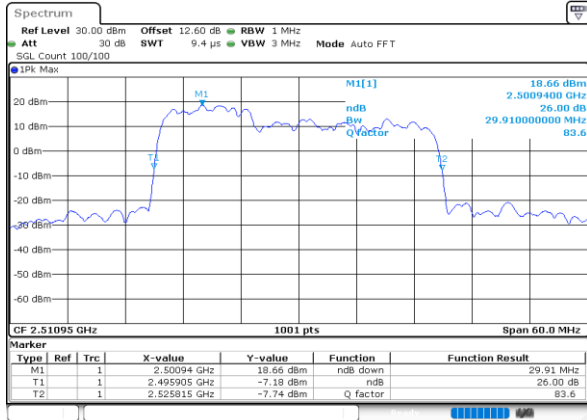
Date: 16 JUN 2020 10:39:04



LTE Band 41CA

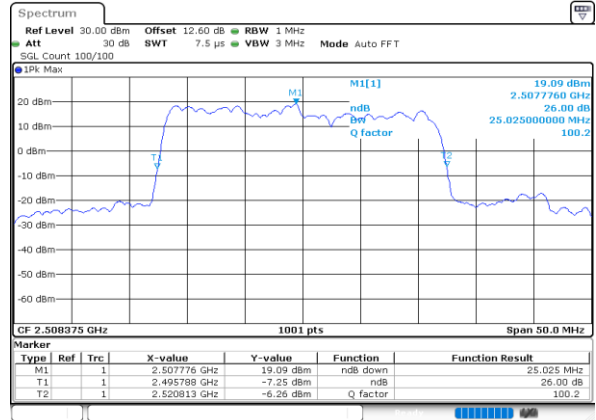
QPSK

Lowest Channel / 10MHz+20MHz



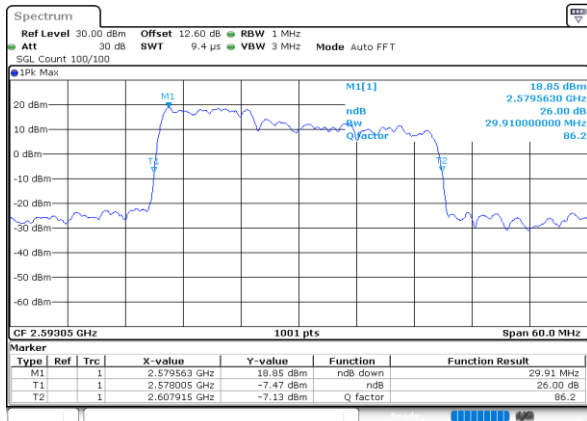
Date: 16 JUN 2020 15:31:19

Lowest Channel / 15MHz+10MHz



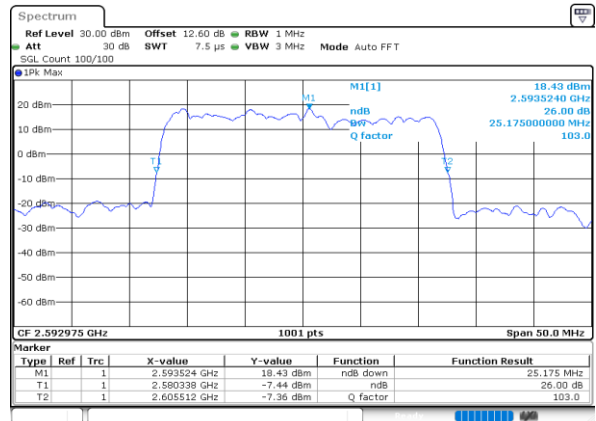
Date: 16 JUN 2020 11:18:33

Middle Channel / 10MHz+20MHz



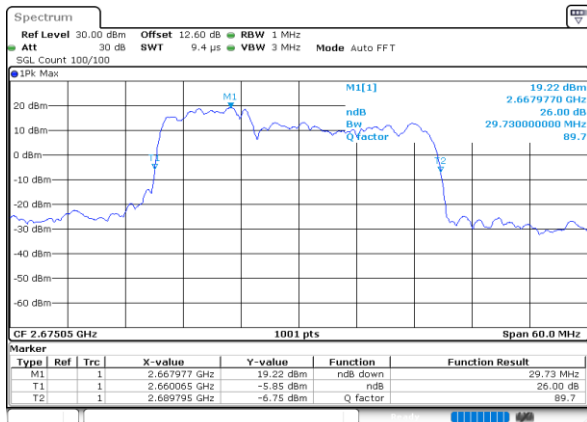
Date: 16 JUN 2020 15:57:24

Middle Channel / 15MHz+10MHz



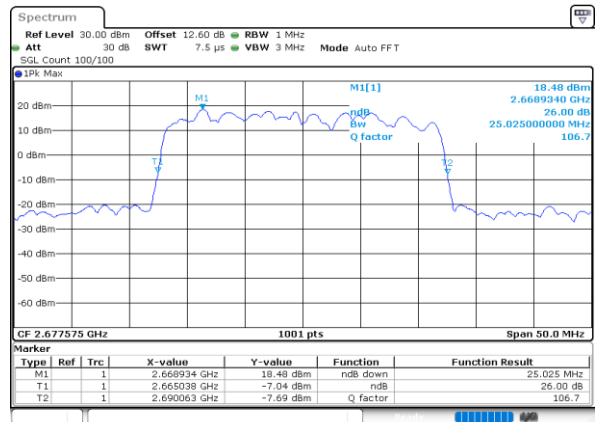
Date: 16 JUN 2020 11:44:38

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 15:52:04

Highest Channel / 15MHz+10MHz



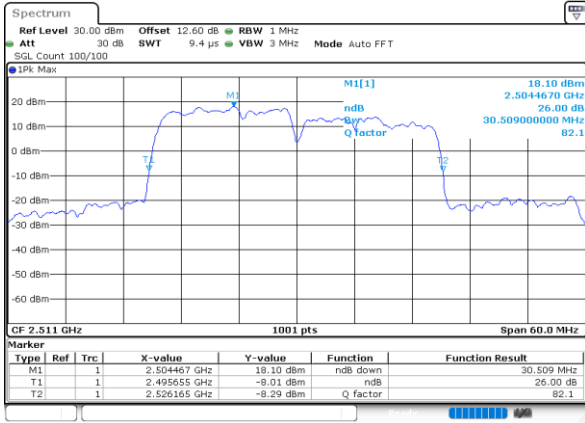
Date: 16 JUN 2020 11:40:37



LTE Band 41CA

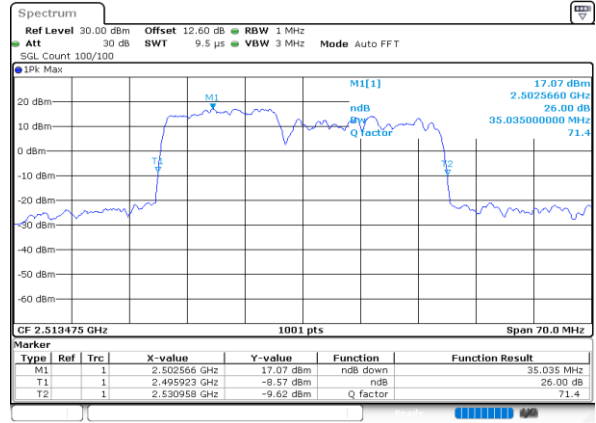
QPSK

Lowest Channel / 15MHz+15MHz



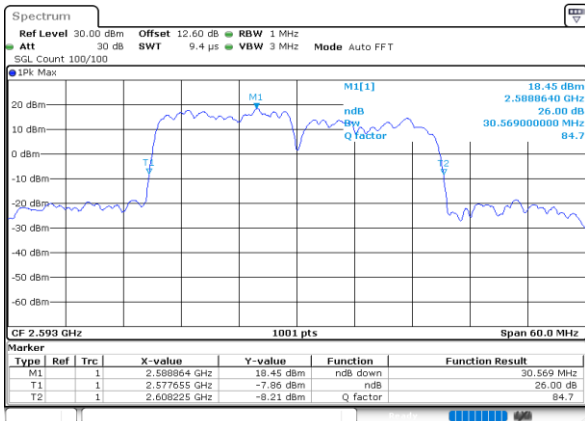
Date: 16 JUN 2020 17:52:45

Lowest Channel / 15MHz+20MHz



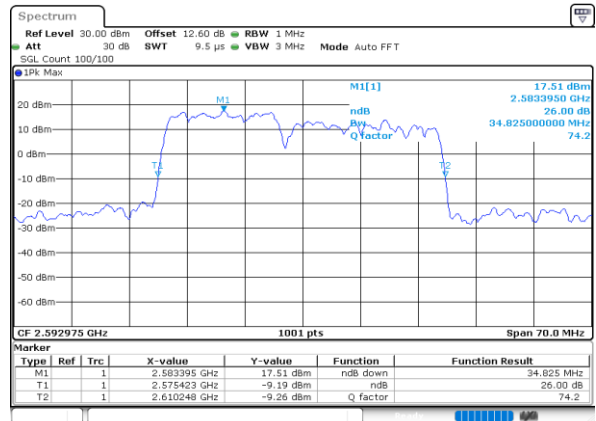
Date: 16 JUN 2020 20:11:24

Middle Channel / 15MHz+15MHz



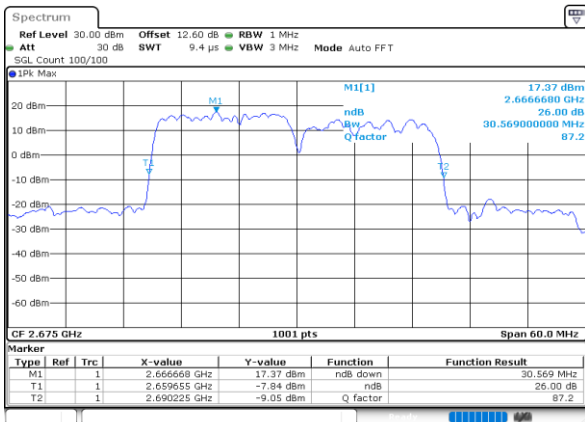
Date: 16 JUN 2020 19:39:13

Middle Channel / 15MHz+20MHz



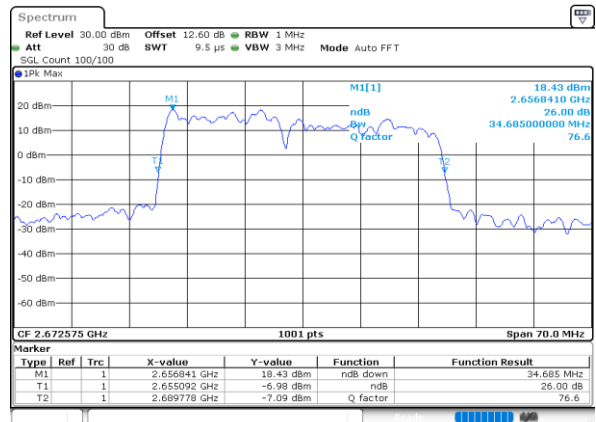
Date: 16 JUN 2020 21:00:59

Highest Channel / 15MHz+15MHz



Date: 16 JUN 2020 19:30:28

Highest Channel / 15MHz+20MHz



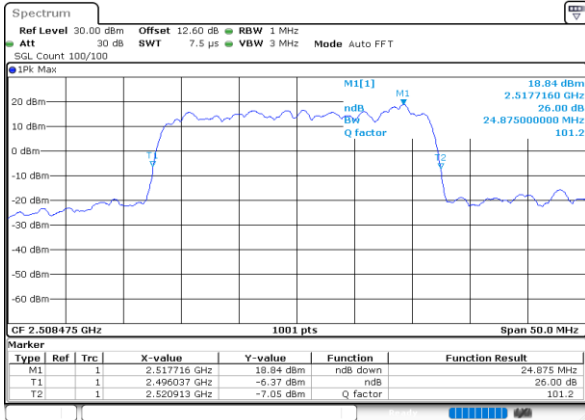
Date: 16 JUN 2020 20:15:29



LTE Band 41CA

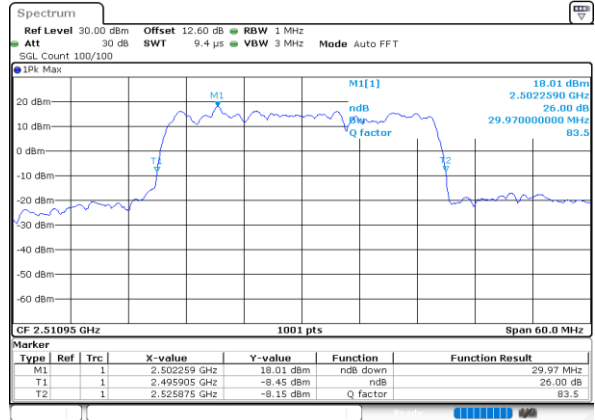
QPSK

Lowest Channel / 20MHz+5MHz



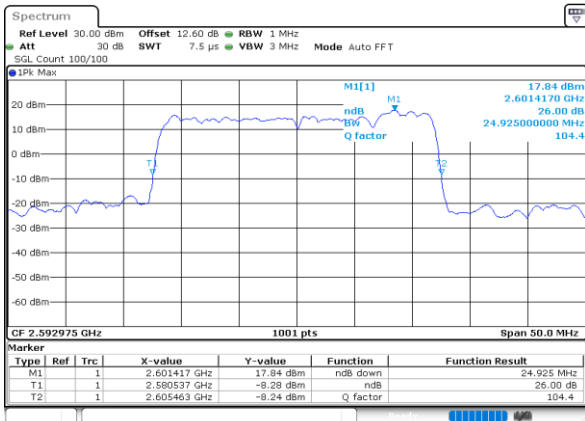
Date: 16 JUN 2020 09:16:27

Lowest Channel / 20MHz+10MHz



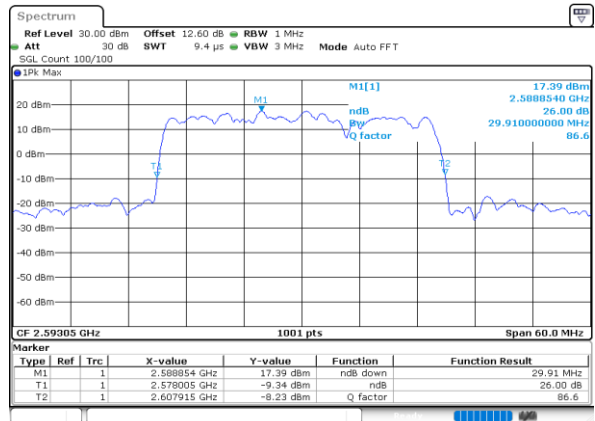
Date: 16 JUN 2020 16:34:54

Middle Channel / 20MHz+5MHz



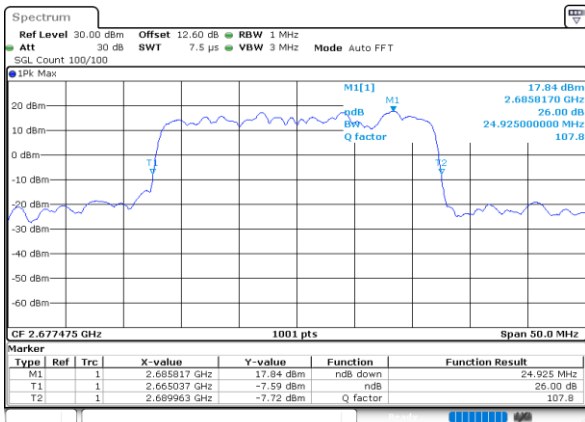
Date: 16 JUN 2020 09:19:57

Middle Channel / 20MHz+10MHz



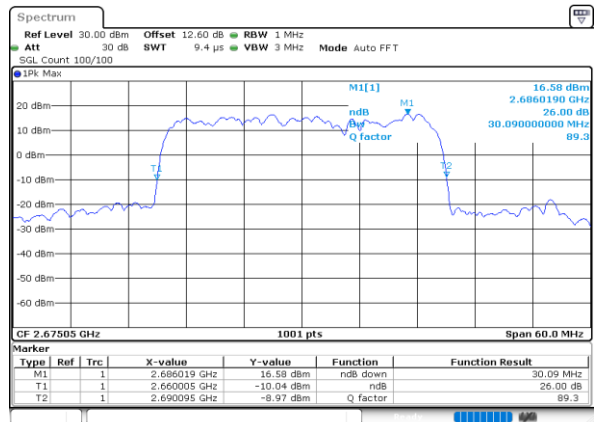
Date: 16 JUN 2020 17:11:40

Highest Channel / 20MHz+5MHz



Date: 16 JUN 2020 09:49:30

Highest Channel / 20MHz+10MHz



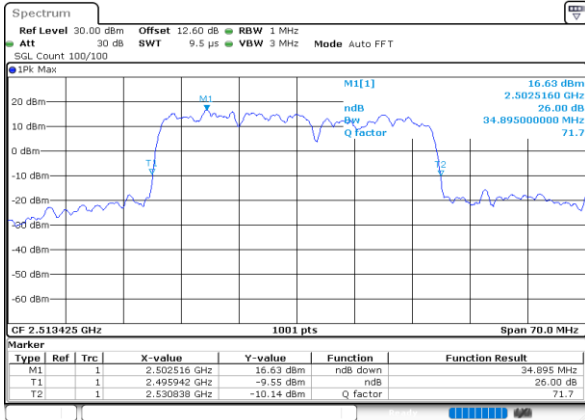
Date: 16 JUN 2020 17:11:53



LTE Band 41CA

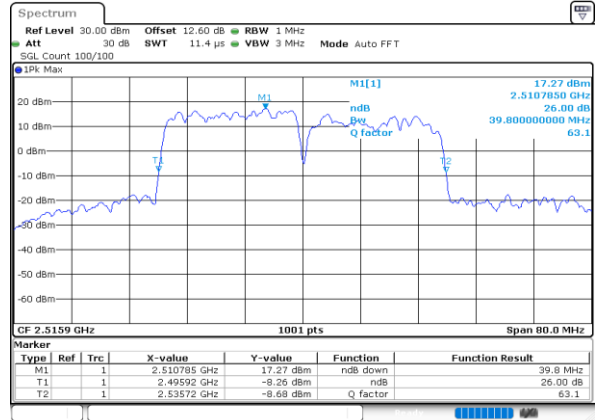
QPSK

Lowest Channel / 20MHz+15MHz



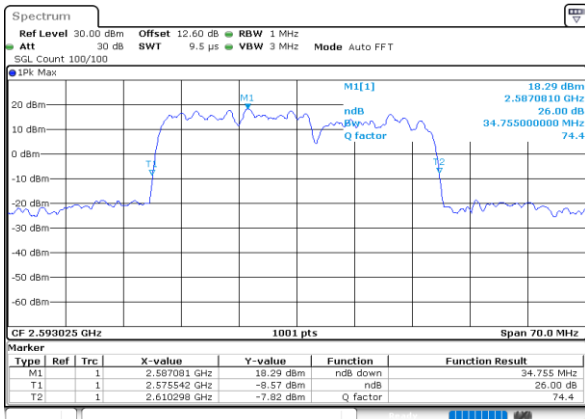
Date: 16 JUN 2020 21:04:40

Lowest Channel / 20MHz+20MHz



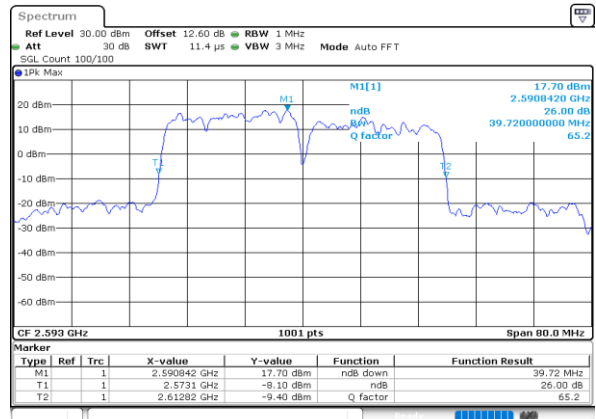
Date: 17 JUN 2020 14:37:45

Middle Channel / 20MHz+15MHz



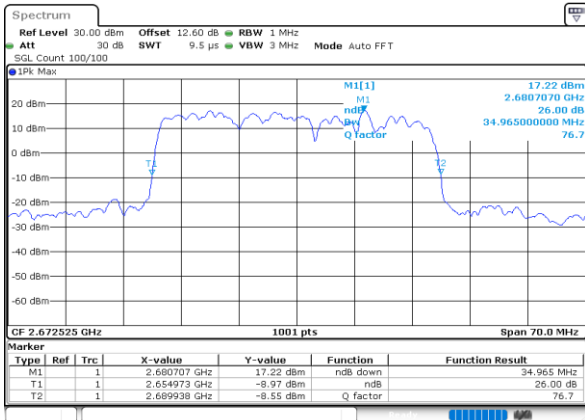
Date: 17 JUN 2020 13:46:33

Middle Channel / 20MHz+20MHz



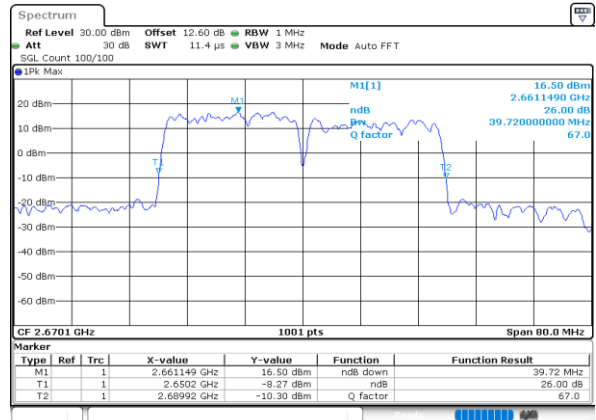
Date: 17 JUN 2020 14:57:47

Highest Channel / 20MHz+15MHz



Date: 17 JUN 2020 15:21:28

Highest Channel / 20MHz+20MHz



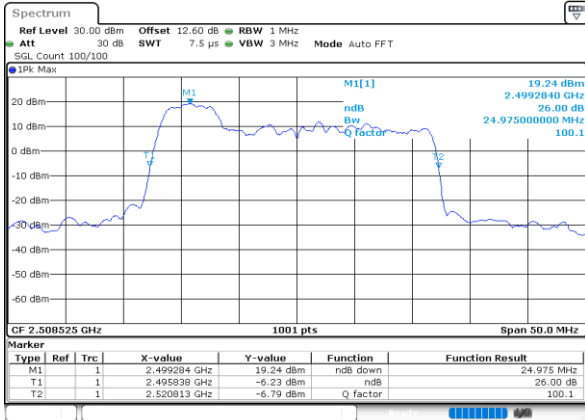
Date: 17 JUN 2020 16:10:55



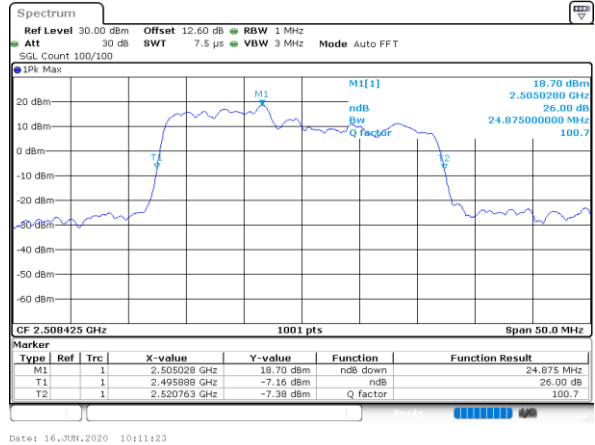
LTE Band 41CA

16QAM

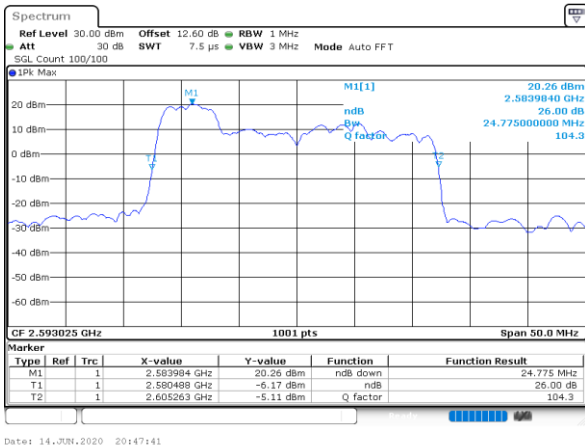
Lowest Channel / 5MHz+20MHz



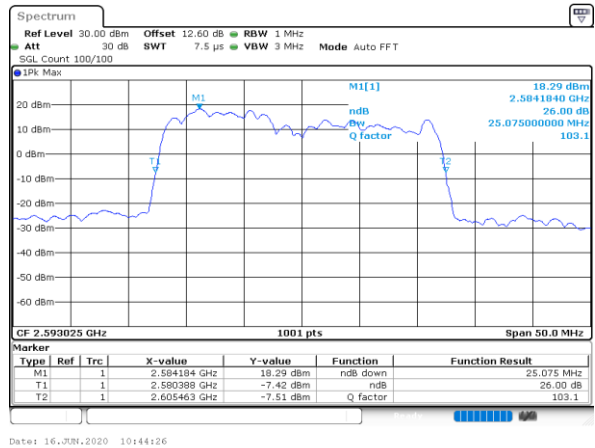
Lowest Channel / 10MHz+15MHz



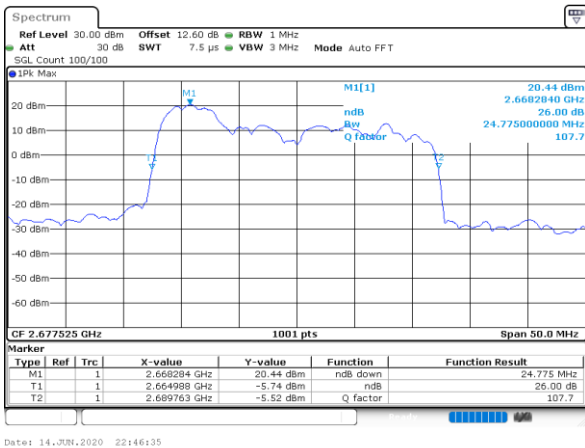
Middle Channel / 5MHz+20MHz



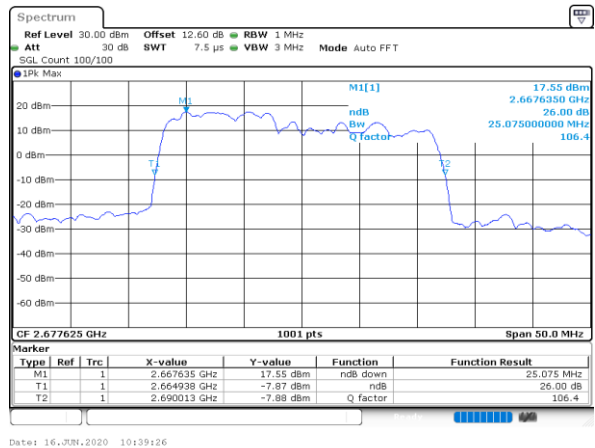
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

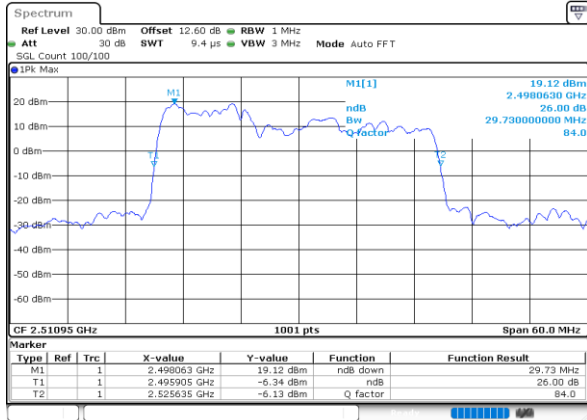




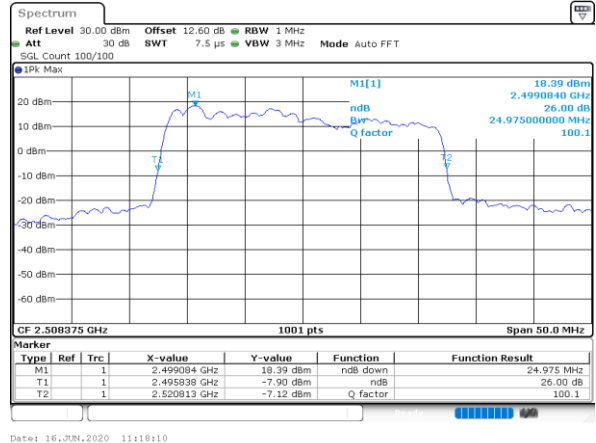
LTE Band 41CA

16QAM

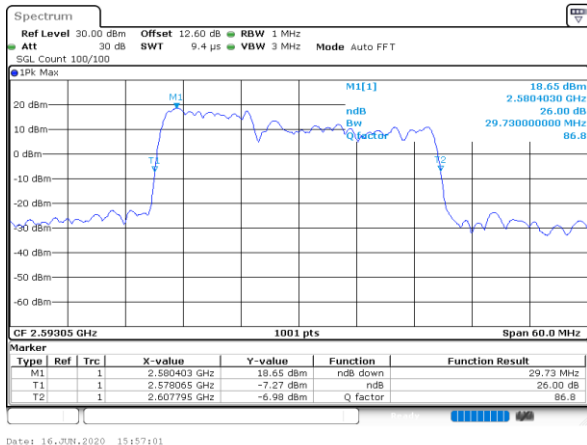
Lowest Channel / 10MHz+20MHz



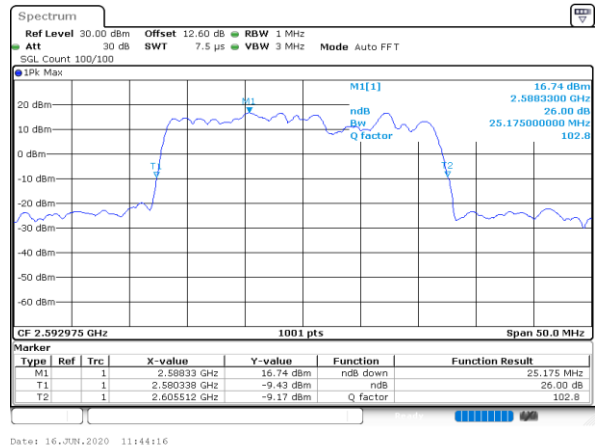
Lowest Channel / 15MHz+10MHz



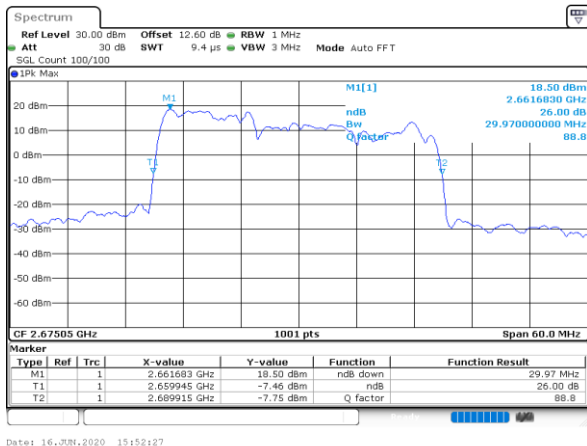
Middle Channel / 10MHz+20MHz



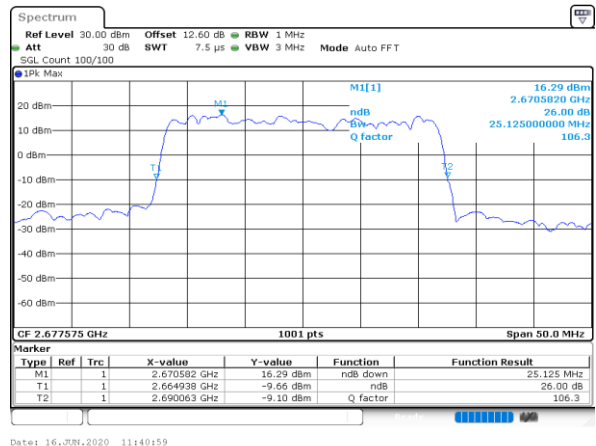
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

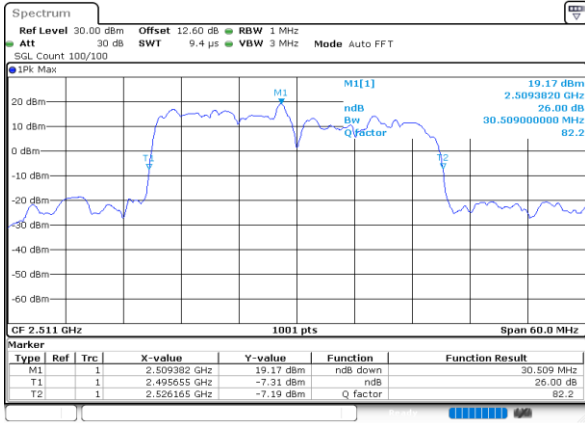




LTE Band 41CA

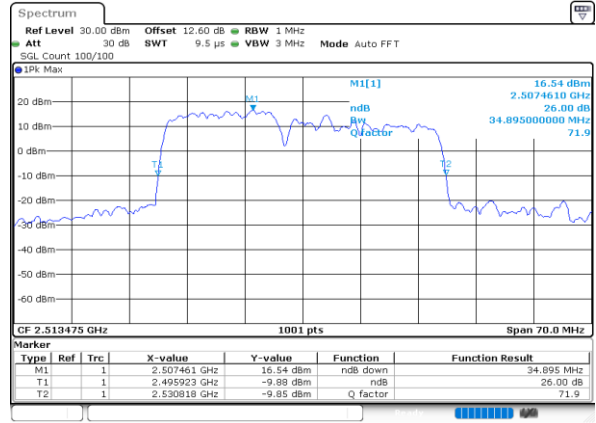
16QAM

Lowest Channel / 15MHz+15MHz



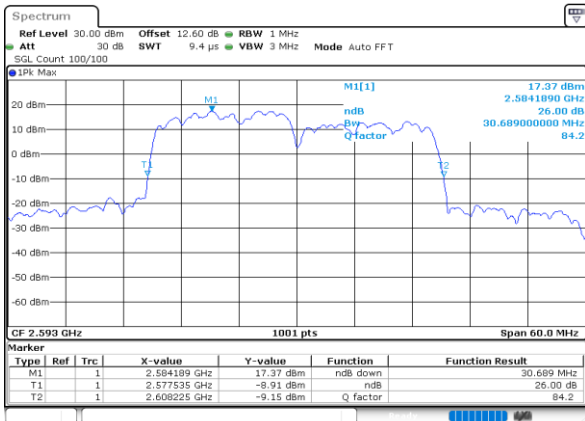
Date: 16 JUN 2020 17:52:22

Lowest Channel / 15MHz+20MHz



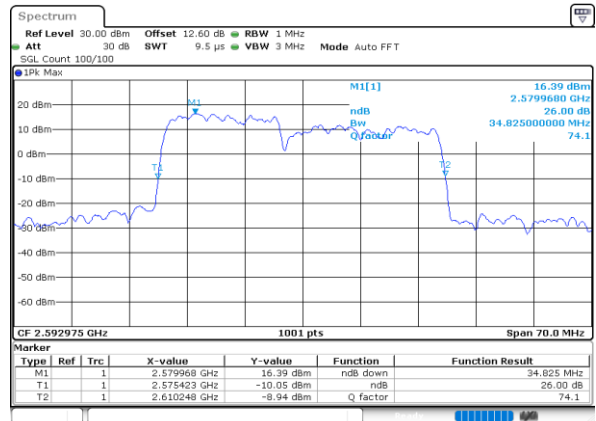
Date: 16 JUN 2020 20:11:01

Middle Channel / 15MHz+15MHz



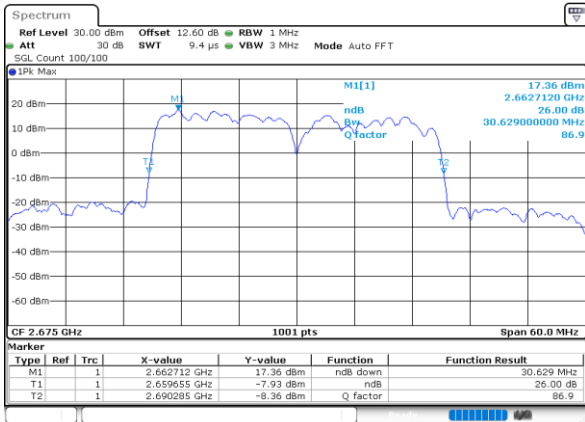
Date: 16 JUN 2020 19:38:50

Middle Channel / 15MHz+20MHz



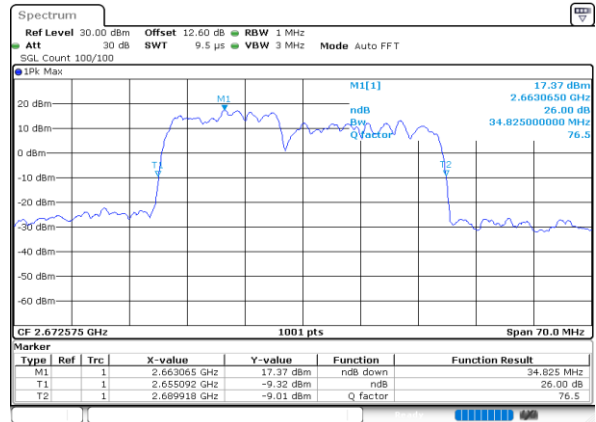
Date: 16 JUN 2020 21:00:37

Highest Channel / 15MHz+15MHz



Date: 16 JUN 2020 19:30:51

Highest Channel / 15MHz+20MHz



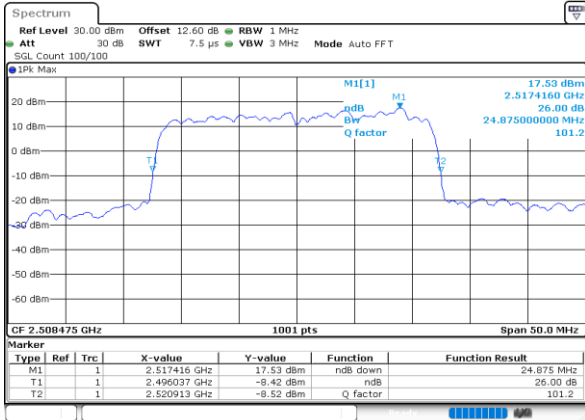
Date: 16 JUN 2020 20:15:51



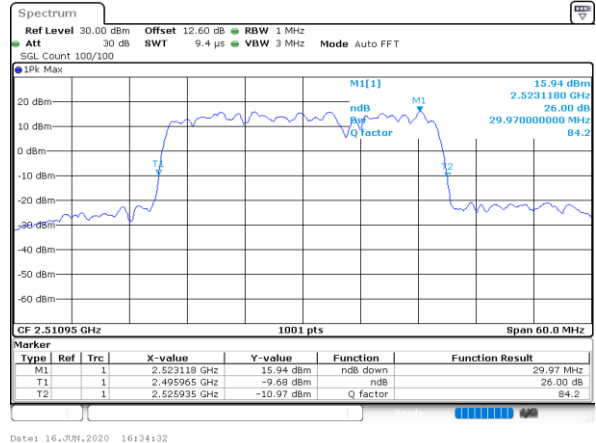
LTE Band 41CA

16QAM

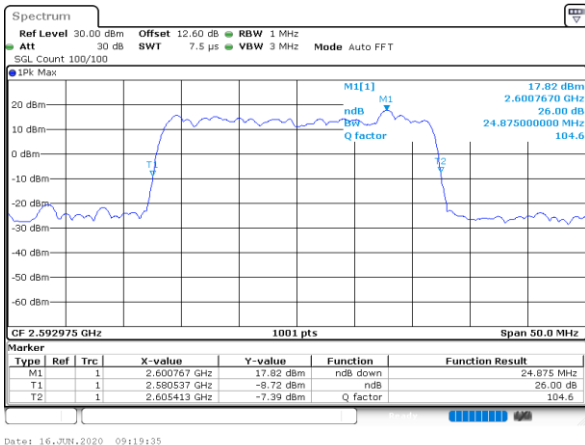
Lowest Channel / 20MHz+5MHz



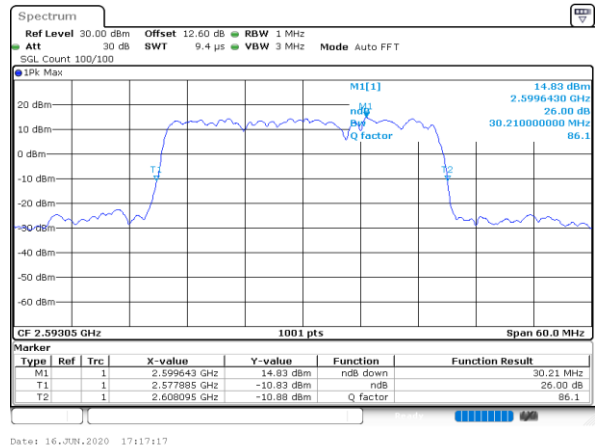
Lowest Channel / 20MHz+10MHz



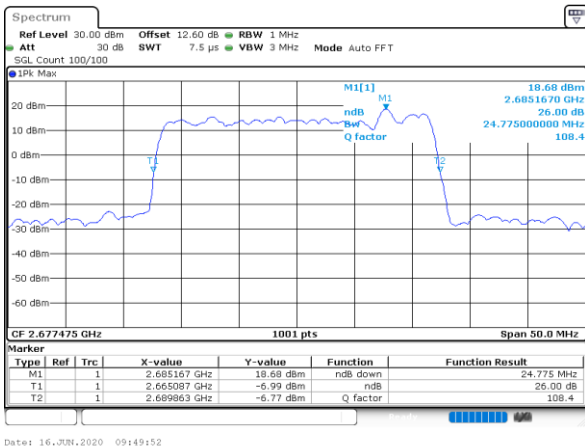
Middle Channel / 20MHz+5MHz



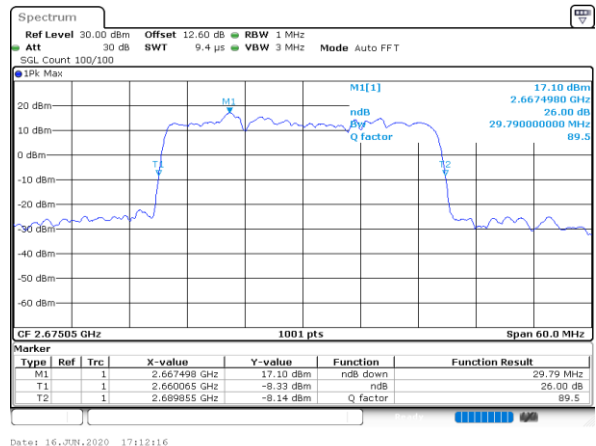
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

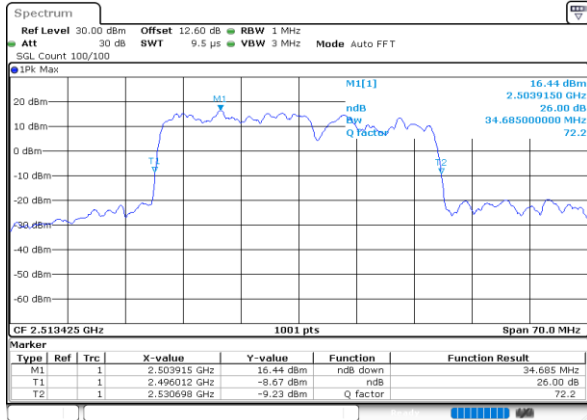




LTE Band 41CA

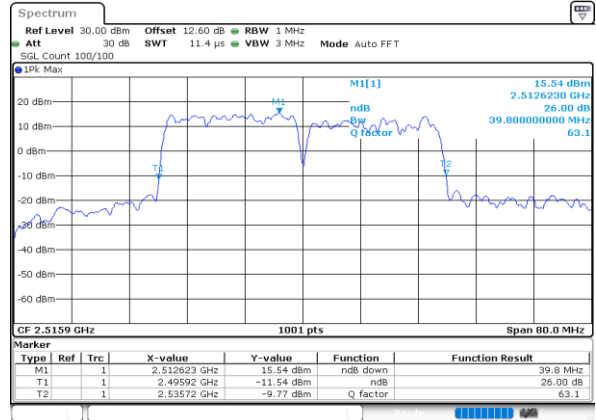
16QAM

Lowest Channel / 20MHz+15MHz



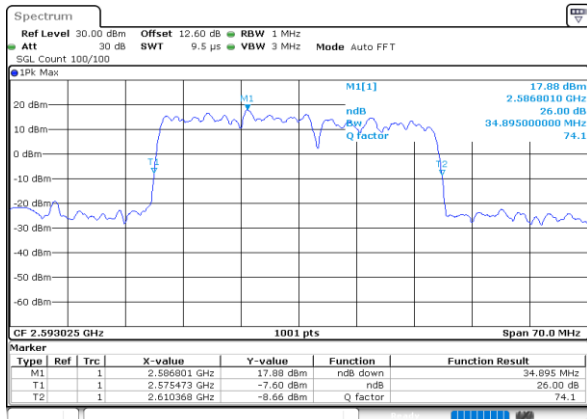
Date: 16 JUN 2020 21:04:18

Lowest Channel / 20MHz+20MHz



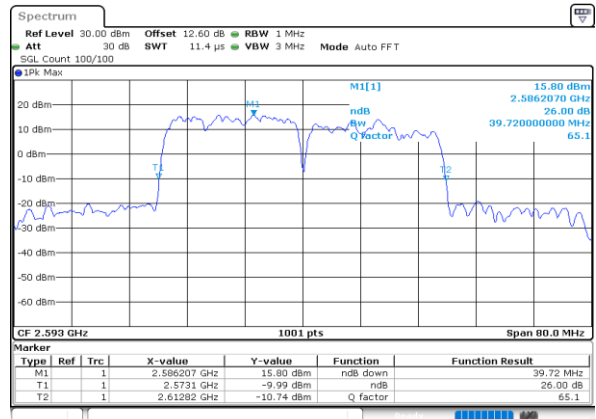
Date: 17 JUN 2020 14:37:21

Middle Channel / 20MHz+15MHz



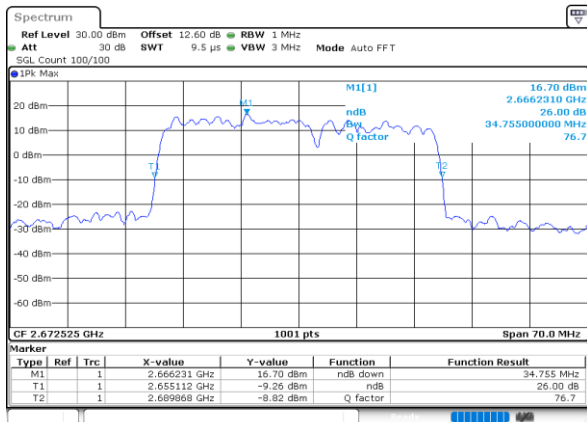
Date: 17 JUN 2020 13:46:09

Middle Channel / 20MHz+20MHz



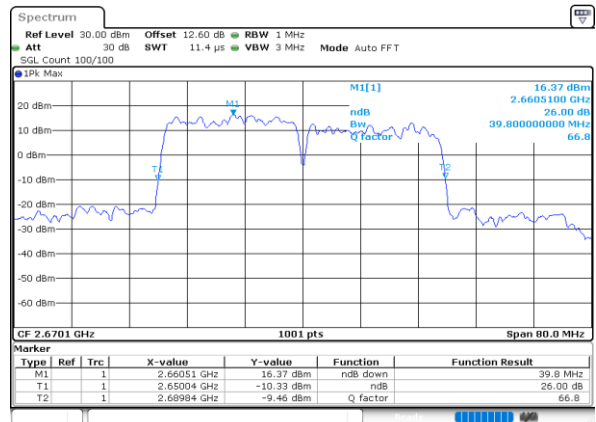
Date: 17 JUN 2020 14:57:24

Highest Channel / 20MHz+15MHz



Date: 17 JUN 2020 15:21:51

Highest Channel / 20MHz+20MHz



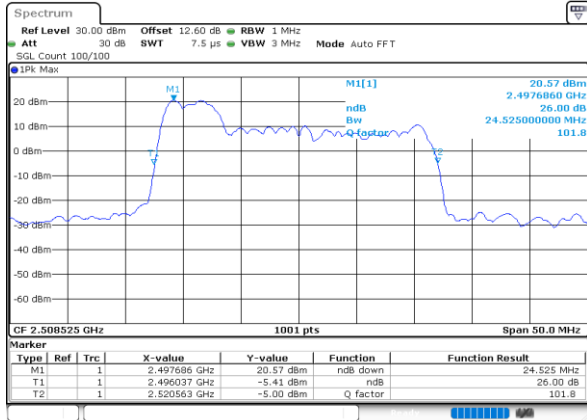
Date: 17 JUN 2020 16:11:18



LTE Band 41CA

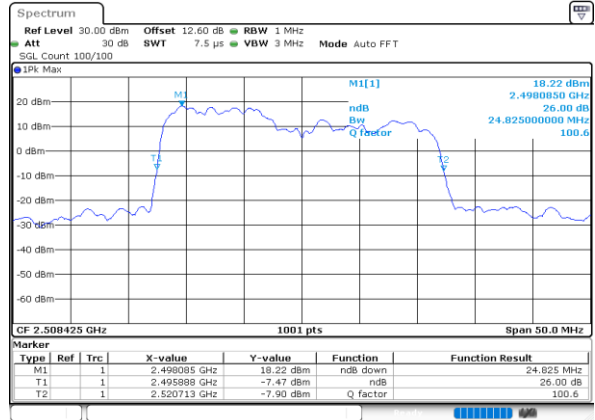
64QAM

Lowest Channel / 5MHz+20MHz



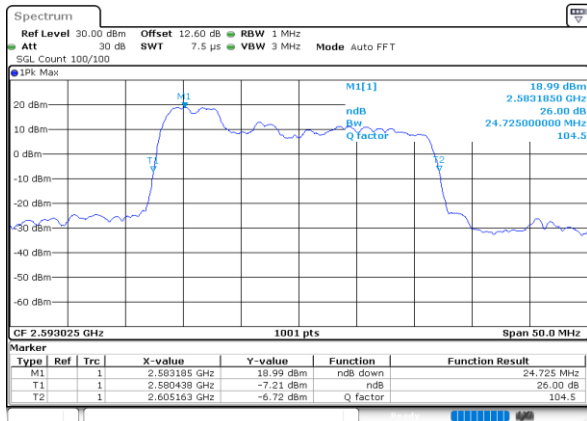
Date: 14 JUN 2020 20:44:19

Lowest Channel / 10MHz+15MHz



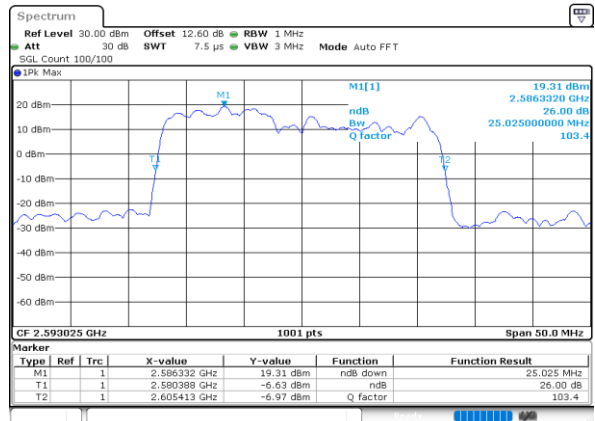
Date: 16 JUN 2020 10:11:00

Middle Channel / 5MHz+20MHz



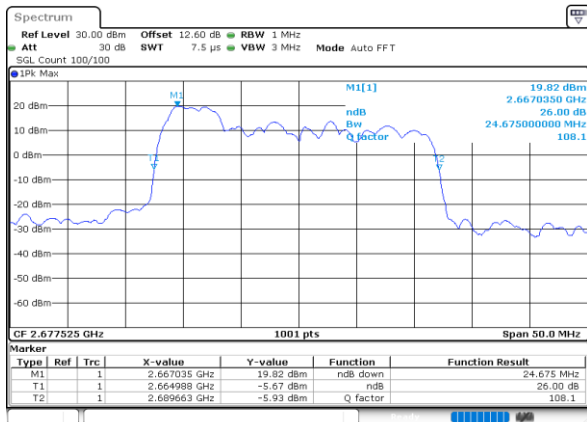
Date: 14 JUN 2020 20:47:17

Middle Channel / 10MHz+15MHz



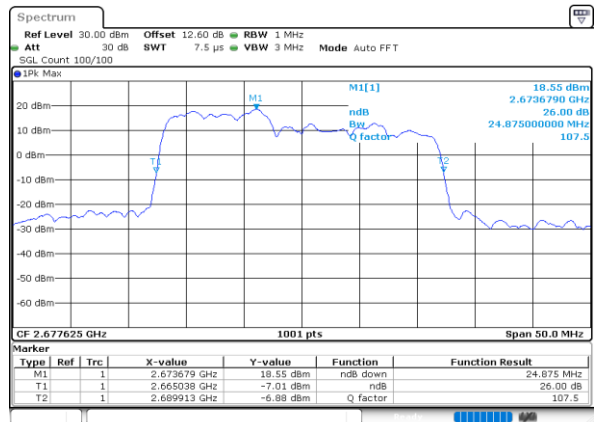
Date: 16 JUN 2020 10:44:03

Highest Channel / 5MHz+20MHz



Date: 14 JUN 2020 22:46:58

Highest Channel / 10MHz+15MHz



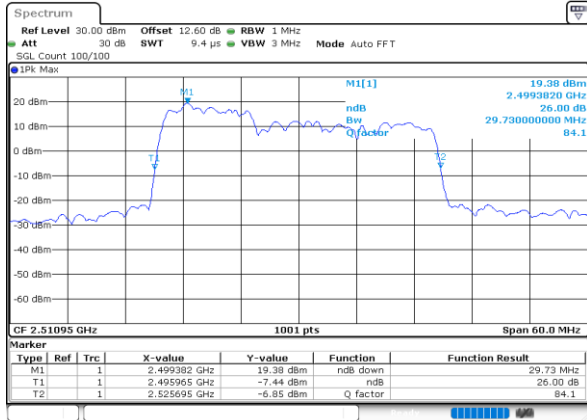
Date: 16 JUN 2020 10:39:49



LTE Band 41CA

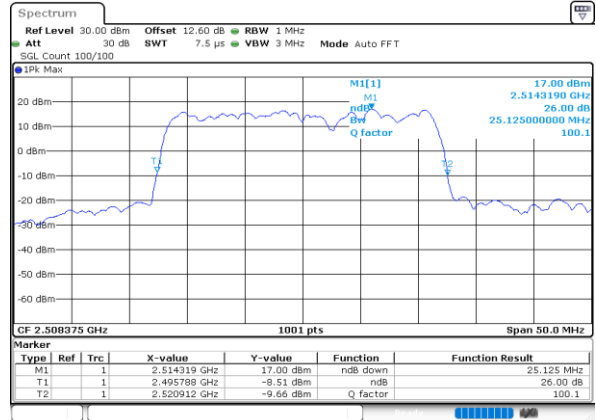
64QAM

Lowest Channel / 10MHz+20MHz



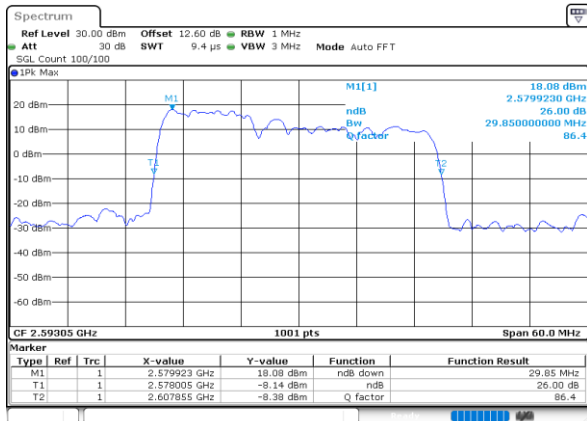
Date: 16 JUN 2020 15:30:34

Lowest Channel / 15MHz+10MHz



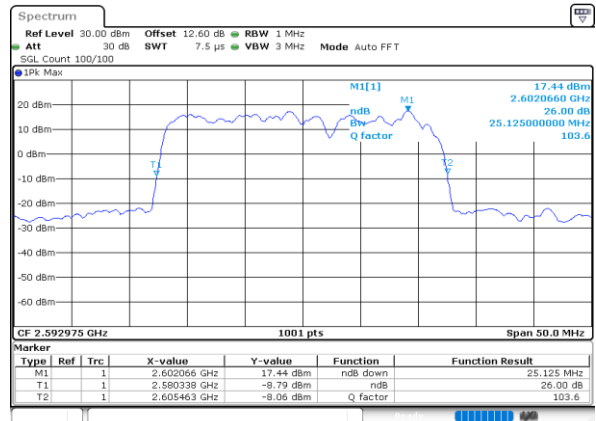
Date: 16 JUN 2020 11:17:48

Middle Channel / 10MHz+20MHz



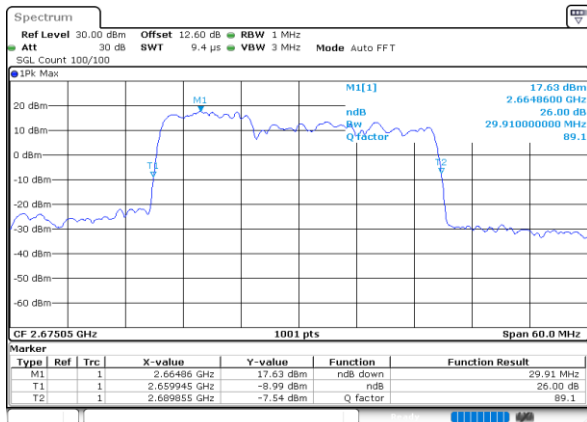
Date: 16 JUN 2020 15:56:39

Middle Channel / 15MHz+10MHz



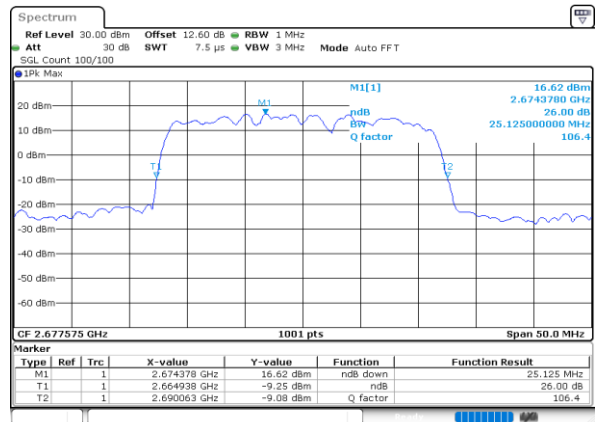
Date: 16 JUN 2020 11:43:53

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 15:52:49

Highest Channel / 15MHz+10MHz



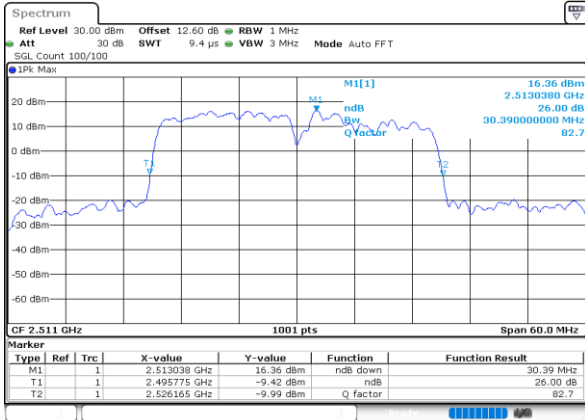
Date: 16 JUN 2020 11:41:21



LTE Band 41CA

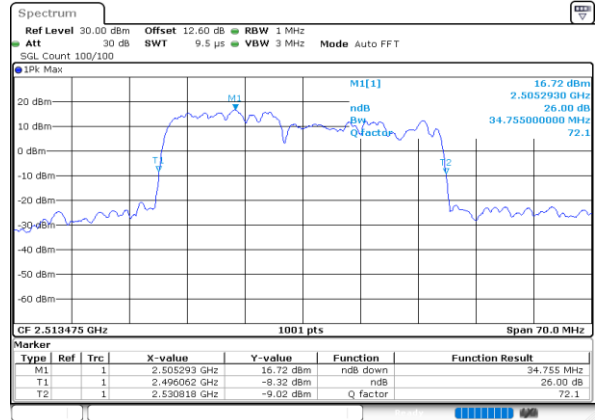
64QAM

Lowest Channel / 15MHz+15MHz



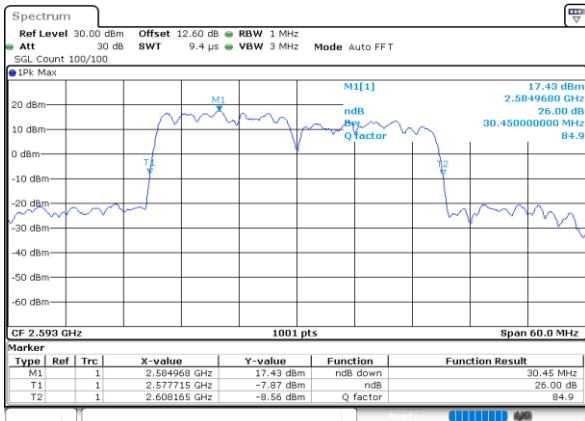
Date: 16 JUN 2020 17:52:00

Lowest Channel / 15MHz+20MHz



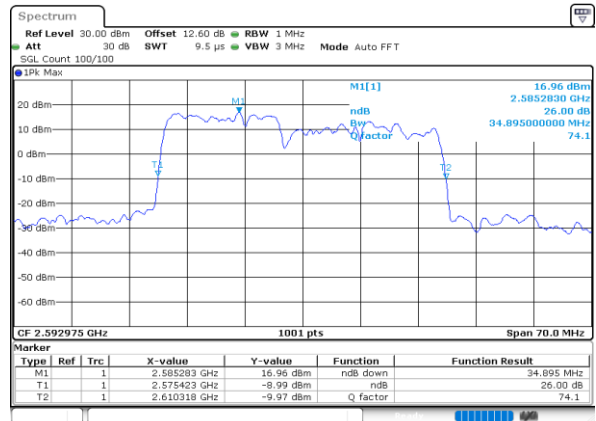
Date: 16 JUN 2020 20:10:39

Middle Channel / 15MHz+15MHz



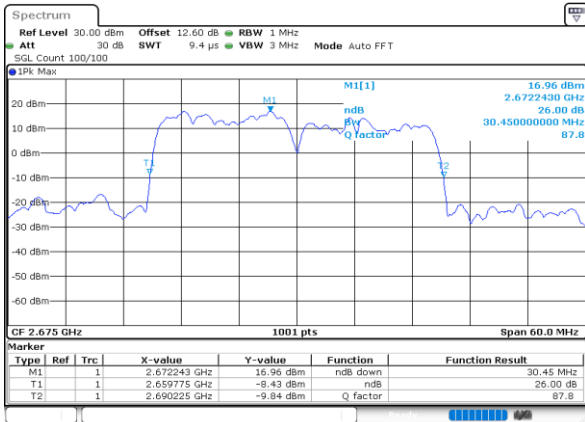
Date: 16 JUN 2020 19:38:20

Middle Channel / 15MHz+20MHz



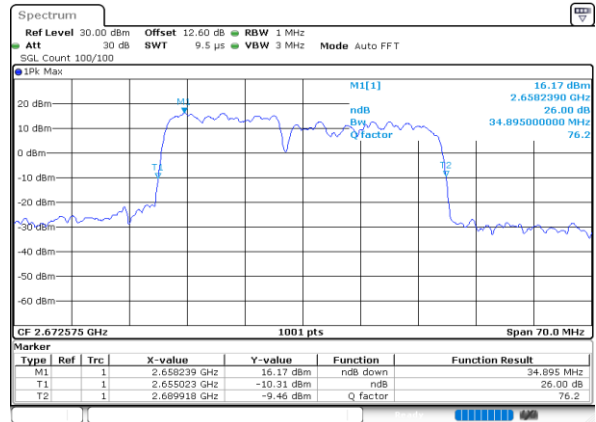
Date: 16 JUN 2020 21:00:14

Highest Channel / 15MHz+15MHz



Date: 16 JUN 2020 19:31:13

Highest Channel / 15MHz+20MHz



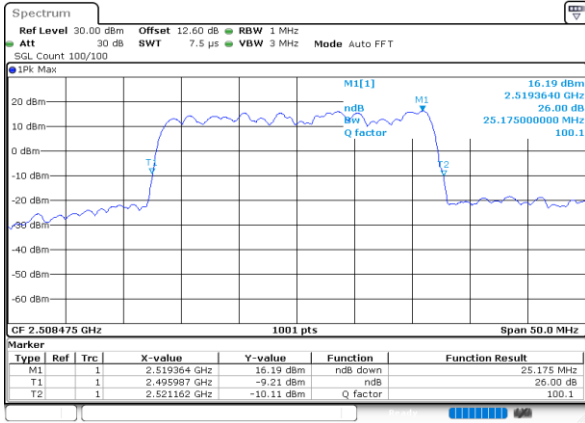
Date: 16 JUN 2020 20:16:14



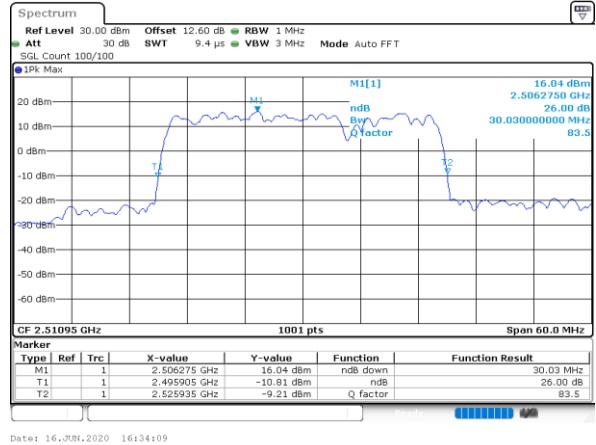
LTE Band 41CA

64QAM

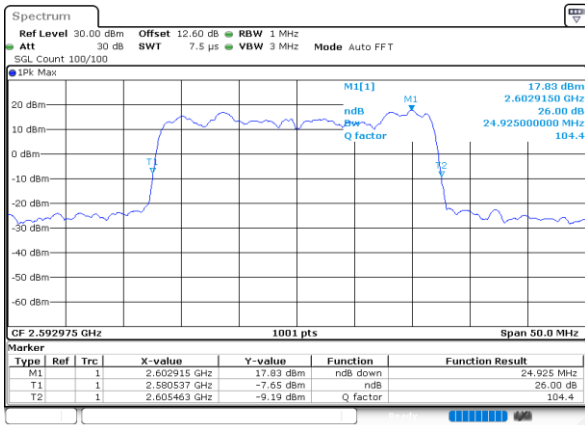
Lowest Channel / 20MHz+5MHz



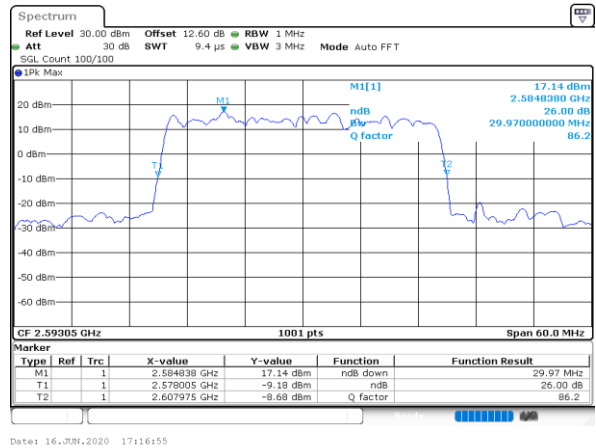
Lowest Channel / 20MHz+10MHz



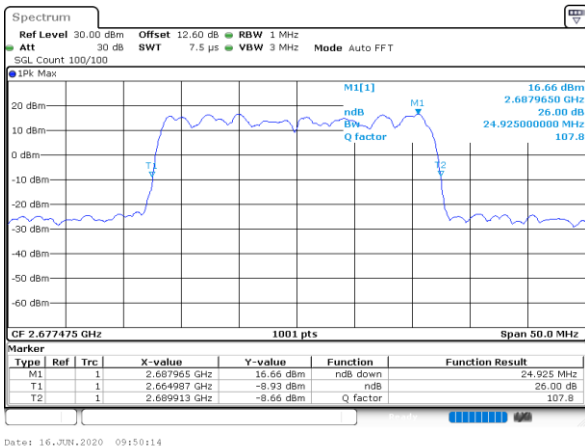
Middle Channel / 20MHz+5MHz



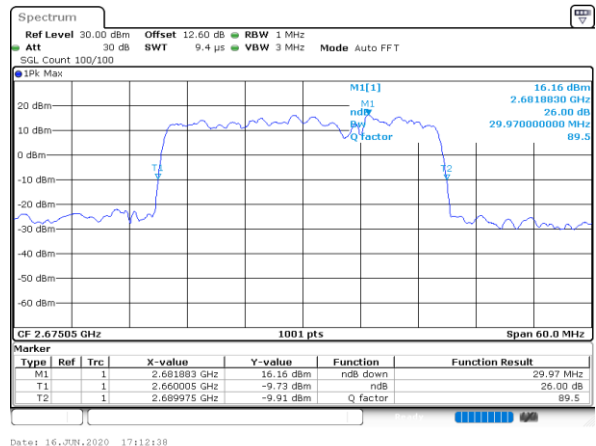
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

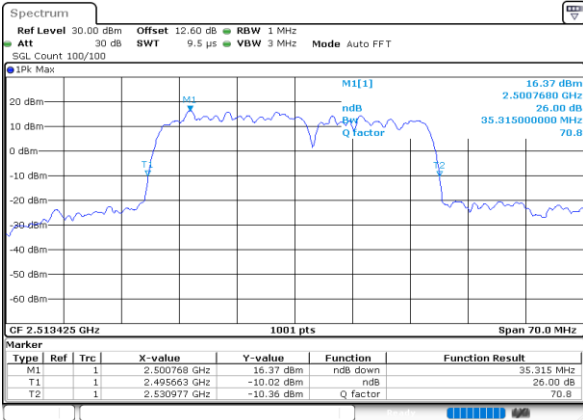




LTE Band 41CA

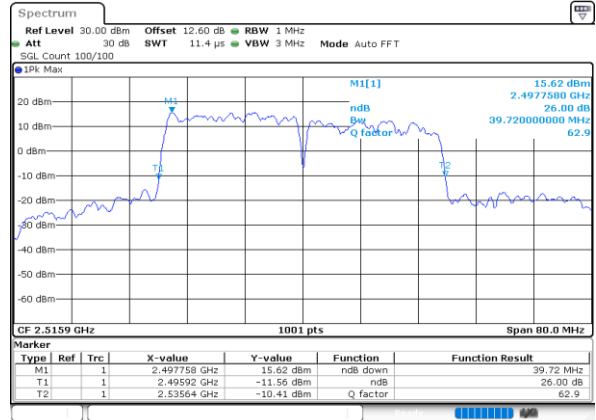
64QAM

Lowest Channel / 20MHz+15MHz



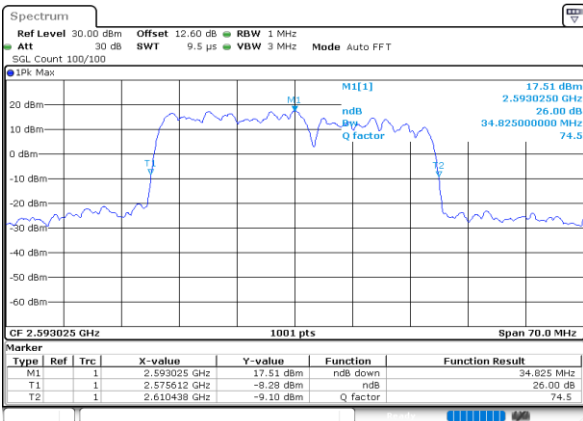
Date: 16 JUN 2020 21:03:55

Lowest Channel / 20MHz+20MHz



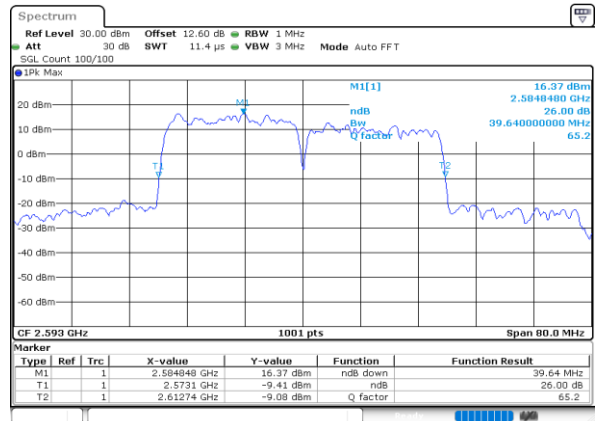
Date: 17 JUN 2020 14:36:58

Middle Channel / 20MHz+15MHz



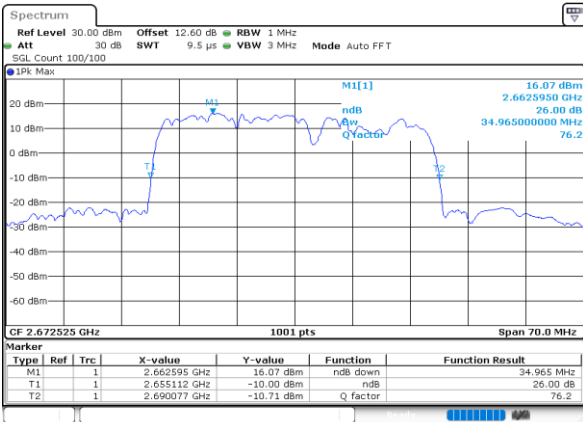
Date: 17 JUN 2020 13:45:46

Middle Channel / 20MHz+20MHz



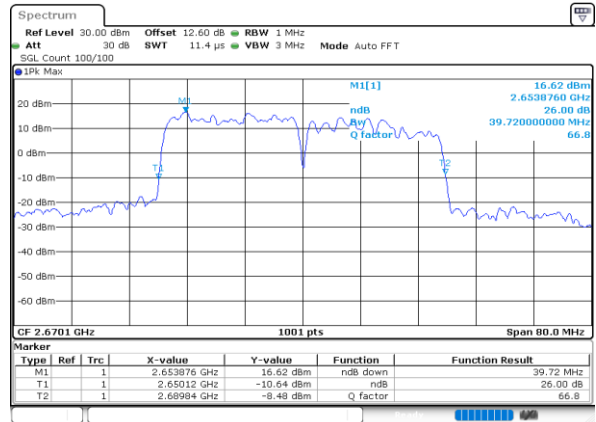
Date: 17 JUN 2020 14:57:00

Highest Channel / 20MHz+15MHz



Date: 17 JUN 2020 15:22:13

Highest Channel / 20MHz+20MHz



Date: 17 JUN 2020 16:11:42



Occupied Bandwidth

Mode	LTE Band 41CA: 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.28	23.43	27.81	23.58	28.59
Middle CH	23.13	23.48	27.99	23.18	28.59
Highest CH	23.18	23.18	27.87	23.23	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.52	23.33	27.87	32.73	37.80
Middle CH	32.52	23.13	28.05	32.73	37.16
Highest CH	32.45	23.33	28.05	32.80	37.56

Mode	LTE Band 41CA: 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.73	23.23	28.29	23.33	28.41
Middle CH	23.08	23.38	28.11	23.43	28.53
Highest CH	23.08	23.23	27.69	23.48	28.29
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.45	23.23	28.05	32.31	37.08
Middle CH	32.59	23.13	27.93	32.45	37.32
Highest CH	32.80	23.18	27.63	32.80	38.04

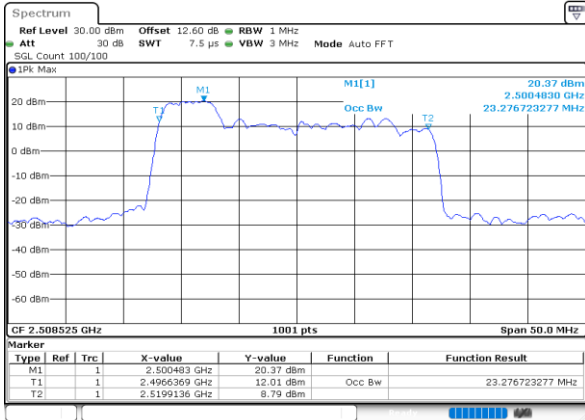
Mode	LTE Band 41CA: 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.83	23.28	27.81	23.48	28.47
Middle CH	23.13	23.63	27.93	23.18	28.17
Highest CH	23.03	23.03	27.75	23.38	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.38	27.75	32.45	37.64
Middle CH	32.45	23.08	27.87	32.66	37.48
Highest CH	32.87	23.18	27.87	32.45	37.32



LTE Band 41CA

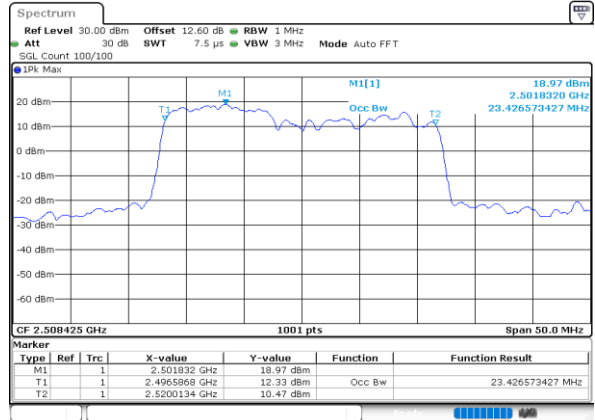
QPSK

Lowest Channel / 5MHz+20MHz



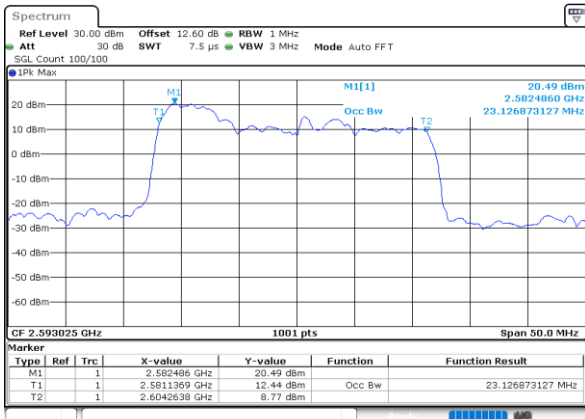
Date: 14 JUN 2020 20:43:11

Lowest Channel / 10MHz+15MHz



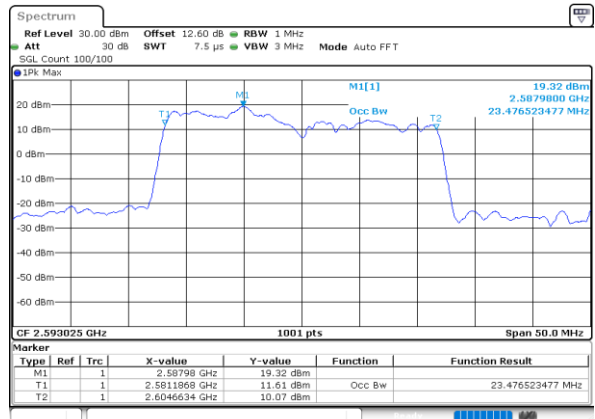
Date: 16 JUN 2020 10:09:54

Middle Channel / 5MHz+20MHz



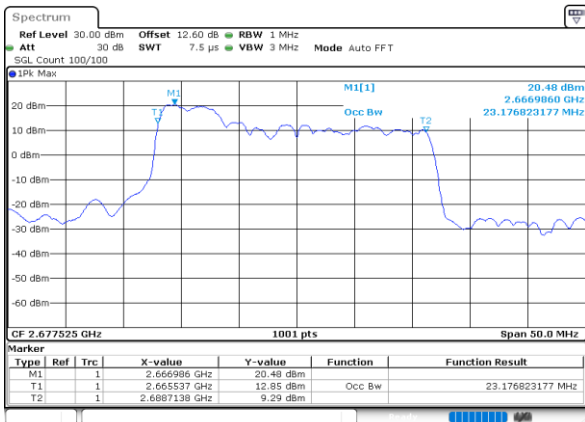
Date: 14 JUN 2020 20:46:09

Middle Channel / 10MHz+15MHz



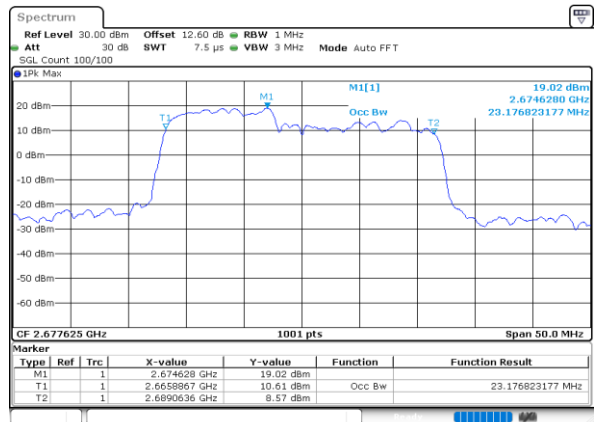
Date: 16 JUN 2020 10:42:57

Highest Channel / 5MHz+20MHz



Date: 14 JUN 2020 22:45:50

Highest Channel / 10MHz+15MHz



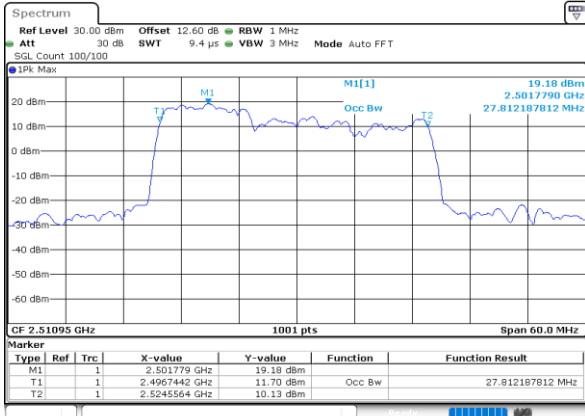
Date: 16 JUN 2020 10:38:42



LTE Band 41CA

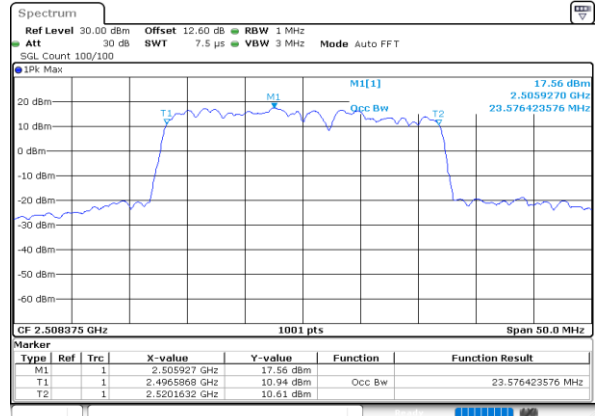
QPSK

Lowest Channel / 10MHz+20MHz



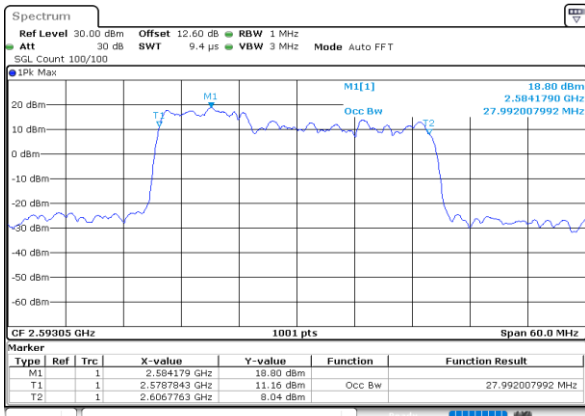
Date: 16 JUN 2020 15:29:28

Lowest Channel / 15MHz+10MHz



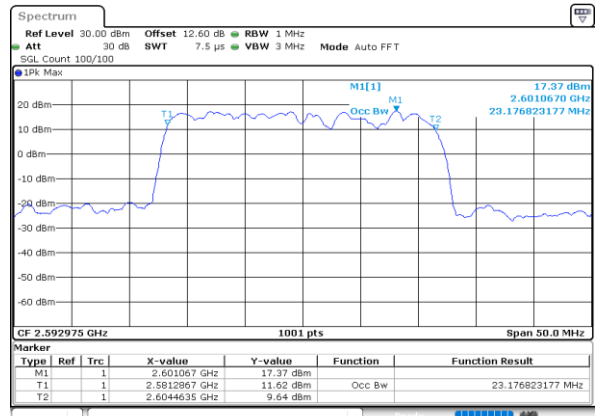
Date: 16 JUN 2020 11:16:41

Middle Channel / 10MHz+20MHz



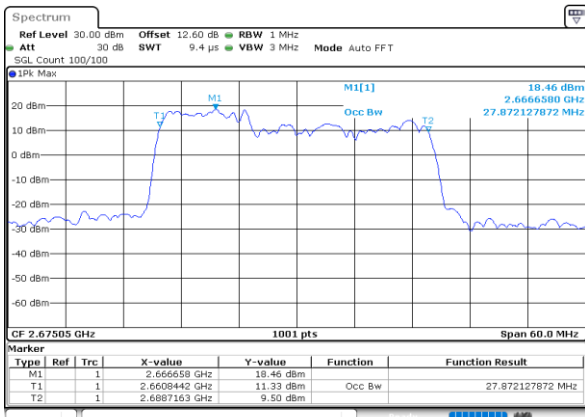
Date: 16 JUN 2020 15:55:32

Middle Channel / 15MHz+10MHz



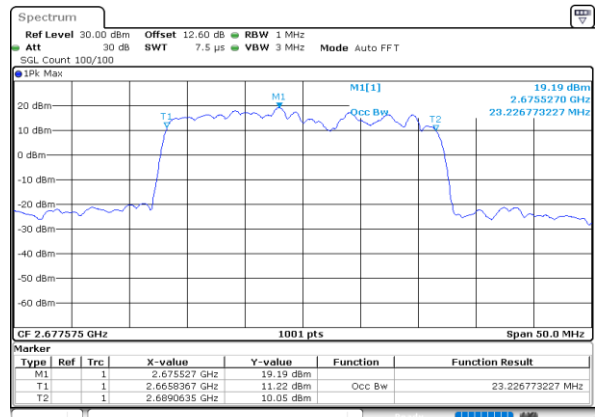
Date: 16 JUN 2020 11:42:46

Highest Channel / 10MHz+20MHz



Date: 16 JUN 2020 15:51:42

Highest Channel / 15MHz+10MHz



Date: 16 JUN 2020 11:40:15