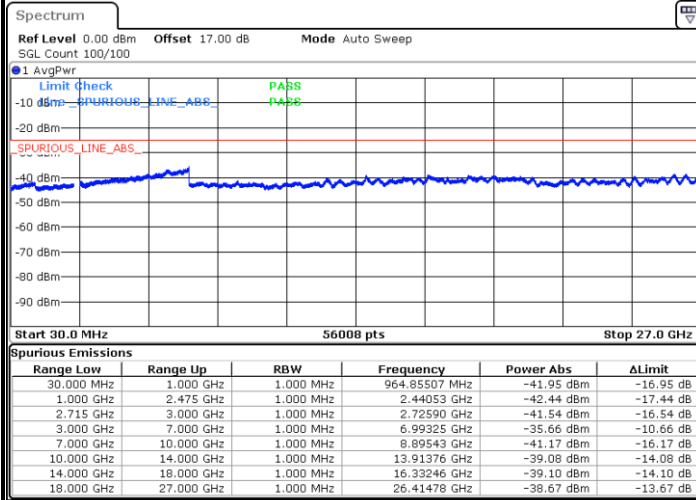




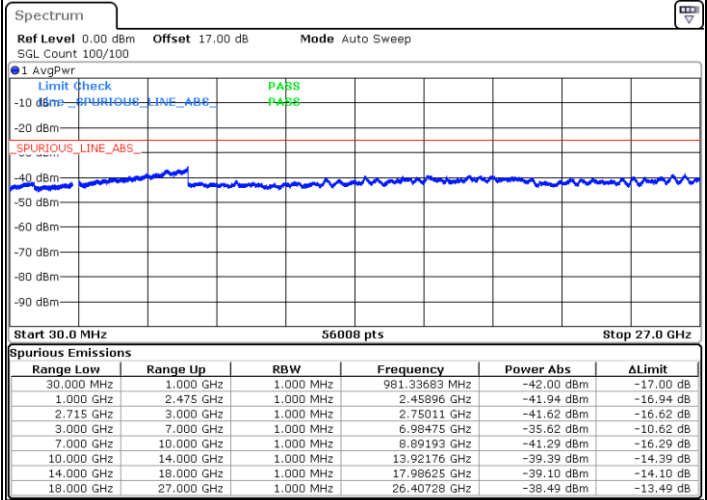
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



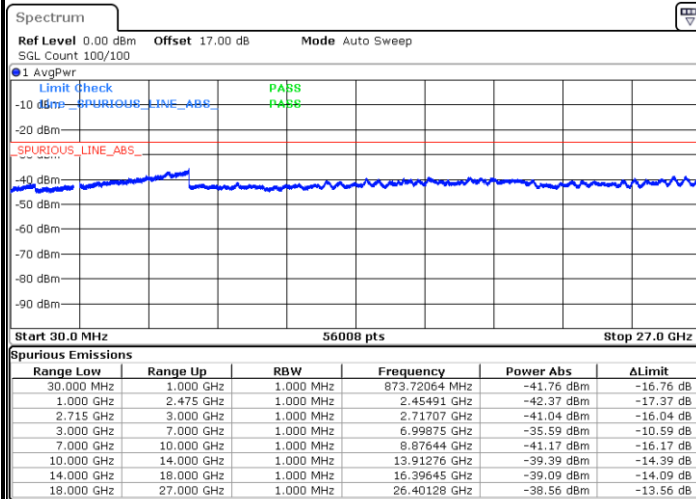
Date: 5 JUN.2020 06:31:18

Middle Channel / 64QAM



Date: 5 JUN.2020 06:32:19

Highest Channel / 64QAM



Date: 5 JUN.2020 06:33:20

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	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.8 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C_HPUE

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.83	25.08	29.79	25.28	30.45
Middle CH	24.78	25.08	29.73	25.28	30.51
Highest CH	24.78	25.08	29.85	25.13	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.93	29.97	34.90	39.88
Middle CH	34.83	25.03	29.97	34.83	39.64
Highest CH	34.83	24.93	29.97	34.97	39.64

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.23	29.91	25.23	30.45
Middle CH	24.73	25.13	29.79	25.18	30.63
Highest CH	24.83	25.03	29.97	25.08	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.83	29.97	34.83	39.64
Middle CH	34.90	24.93	30.03	34.83	39.80
Highest CH	34.83	24.83	29.91	34.83	40.04

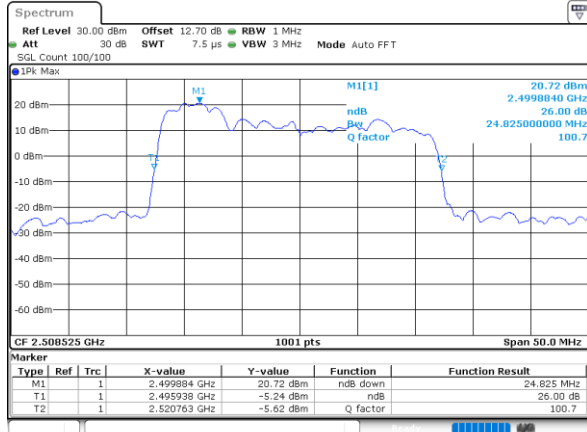
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.08	29.97	25.33	30.75
Middle CH	24.93	25.03	29.85	25.13	30.45
Highest CH	24.68	25.23	29.91	25.18	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.78	30.03	34.90	39.88
Middle CH	34.76	24.78	29.97	34.83	39.64
Highest CH	34.90	24.63	29.91	34.90	39.72



LTE Band 41C

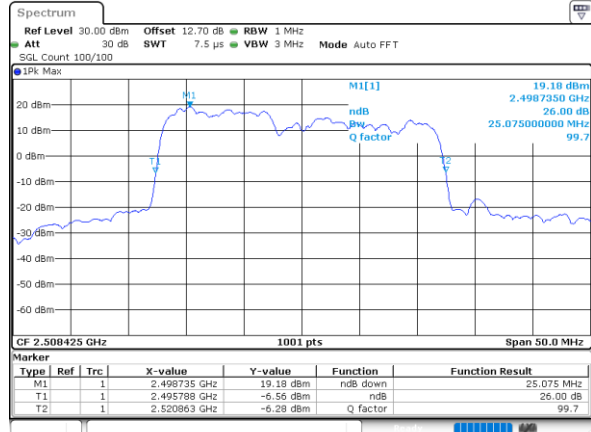
QPSK

Lowest Channel / 5MHz+20MHz



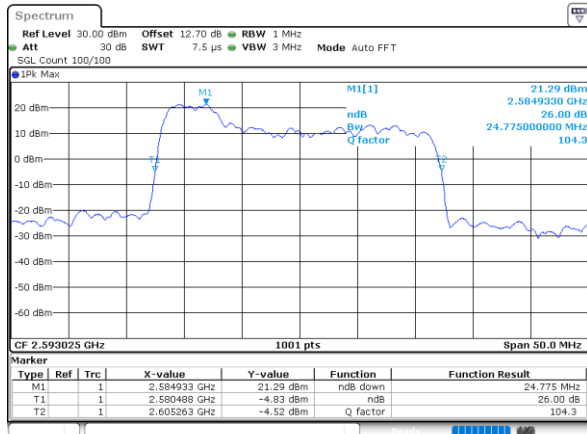
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Lowest Channel / 10MHz+15MHz



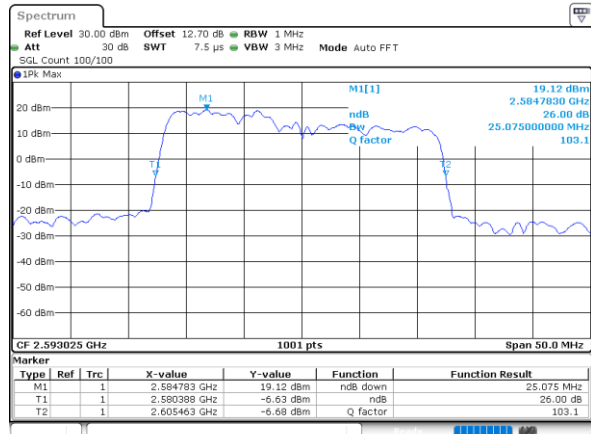
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Middle Channel / 5MHz+20MHz



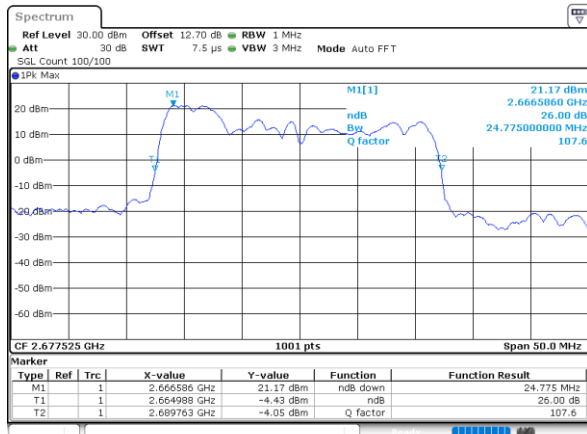
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Middle Channel / 10MHz+15MHz



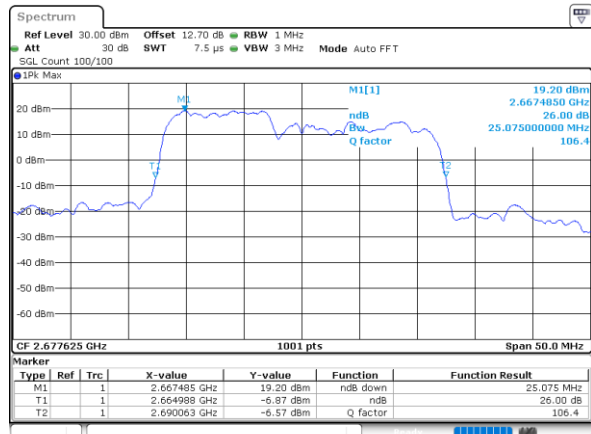
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Highest Channel / 5MHz+20MHz



Date: 13 JUN 2020 04:43:21

Highest Channel / 10MHz+15MHz



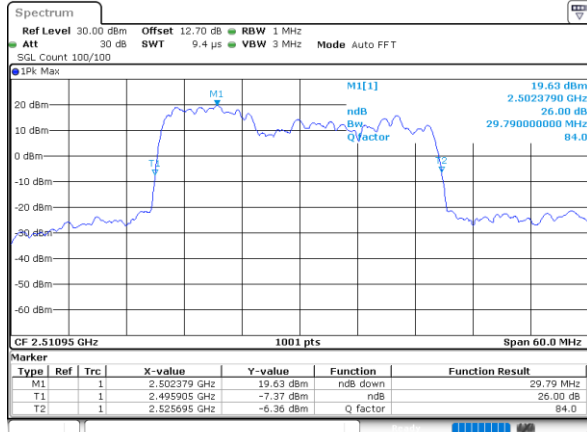
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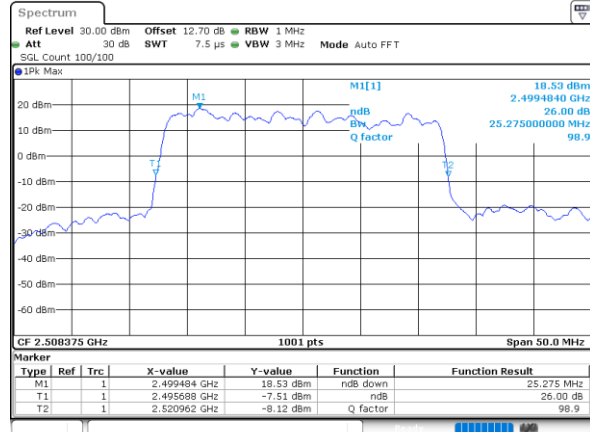
LTE Band 41C

QPSK

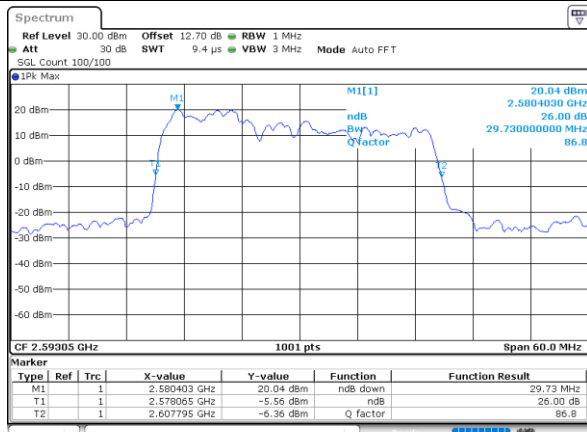
Lowest Channel / 10MHz+20MHz



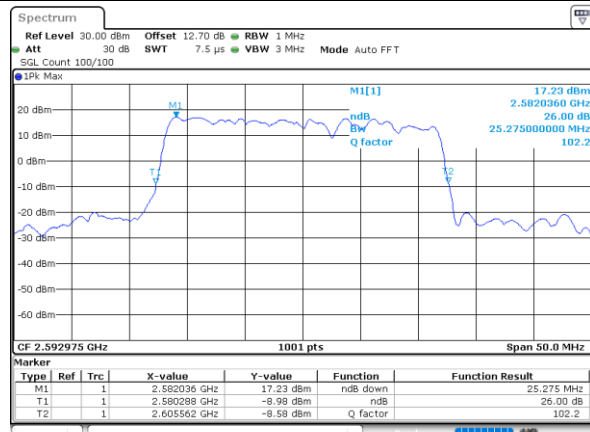
Lowest Channel / 15MHz+10MHz



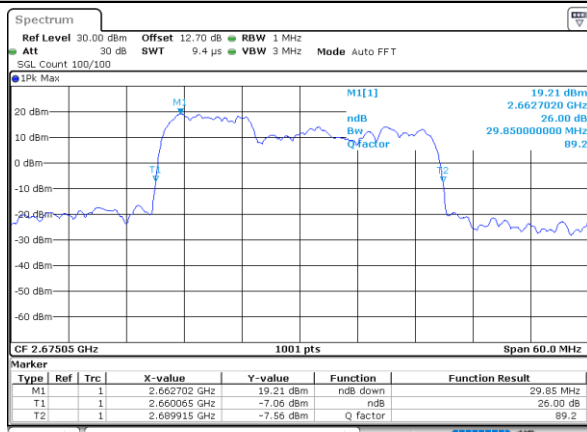
Middle Channel / 10MHz+20MHz



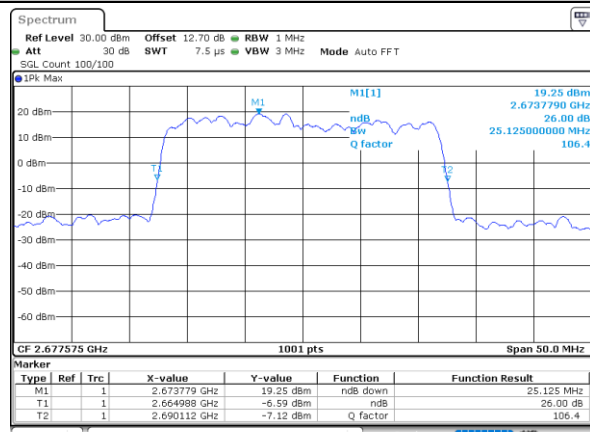
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

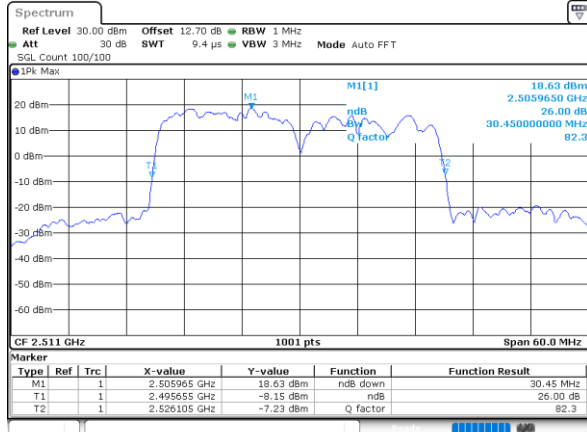




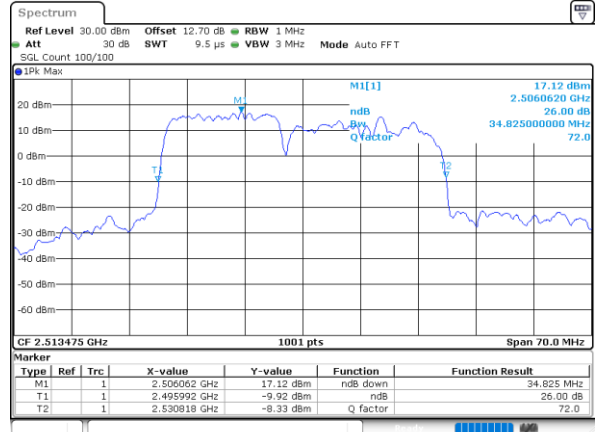
LTE Band 41C

QPSK

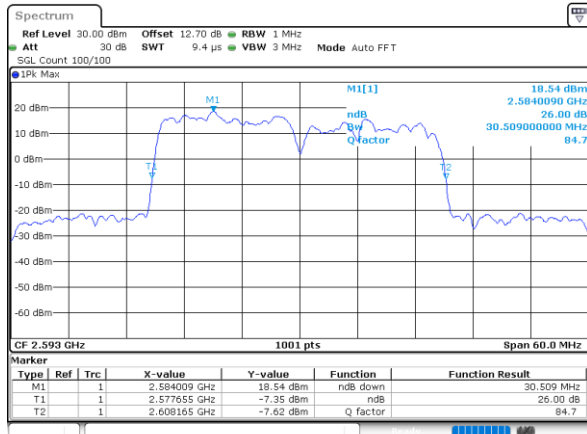
Lowest Channel / 15MHz+15MHz



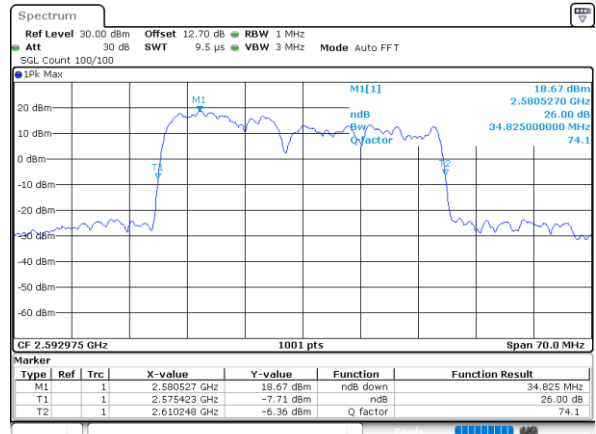
Lowest Channel / 15MHz+20MHz



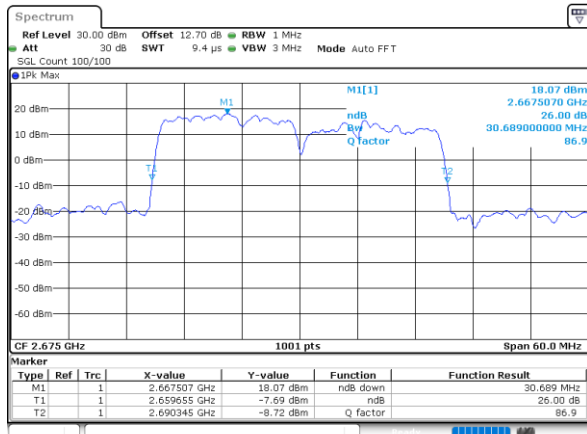
Middle Channel / 15MHz+15MHz



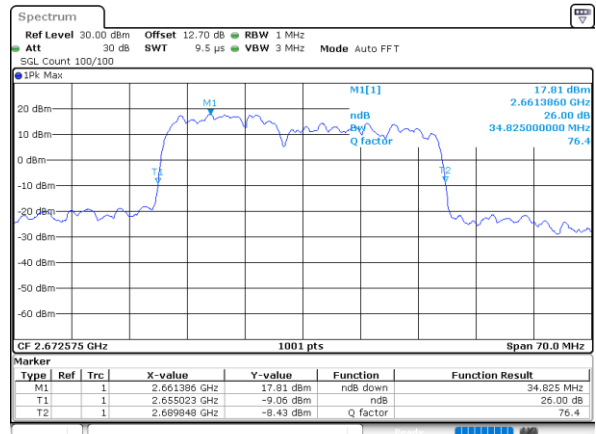
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

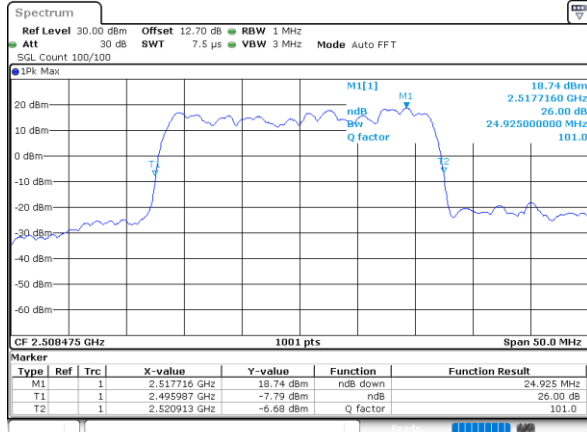




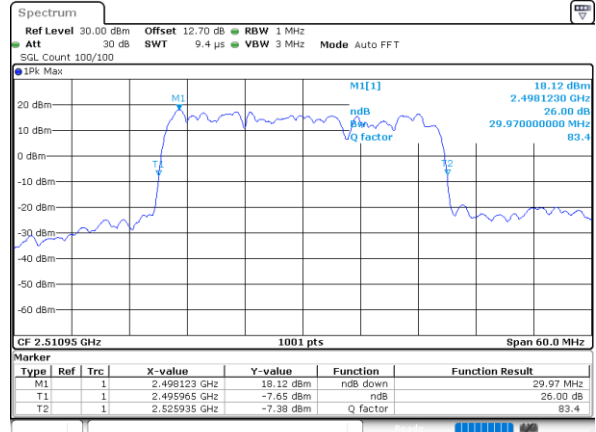
LTE Band 41C

QPSK

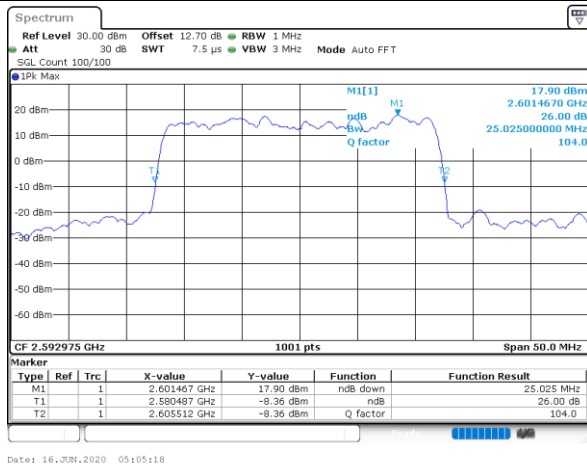
Lowest Channel / 20MHz+5MHz



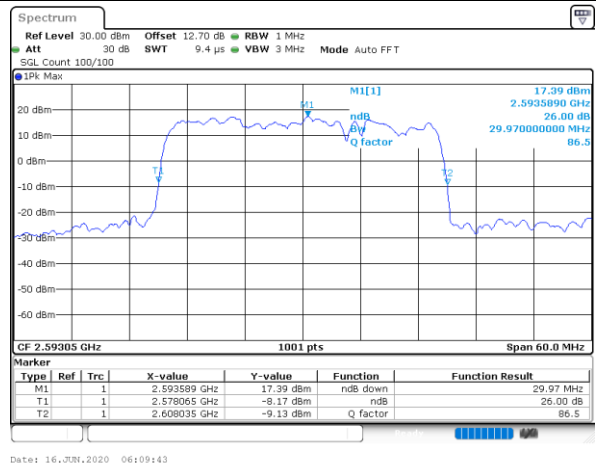
Lowest Channel / 20MHz+10MHz



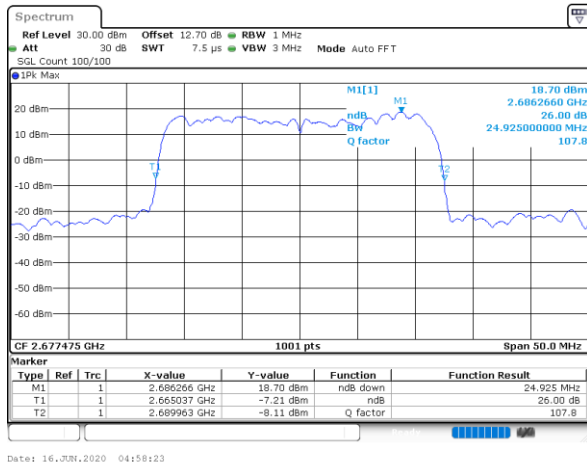
Middle Channel / 20MHz+5MHz



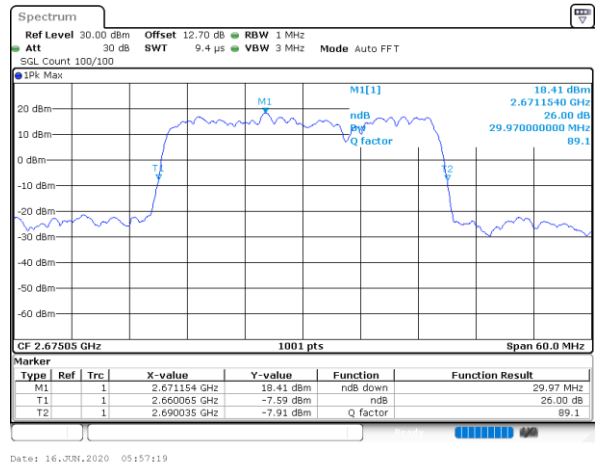
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

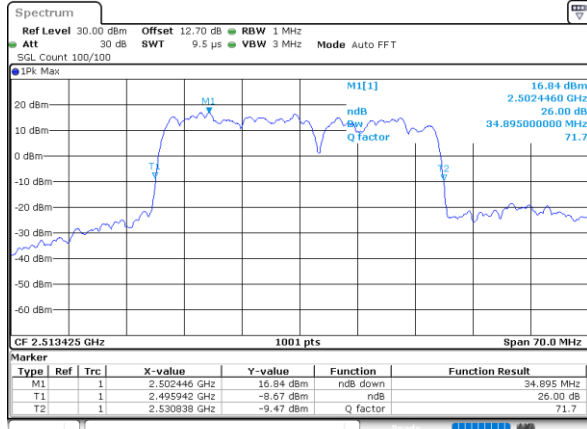




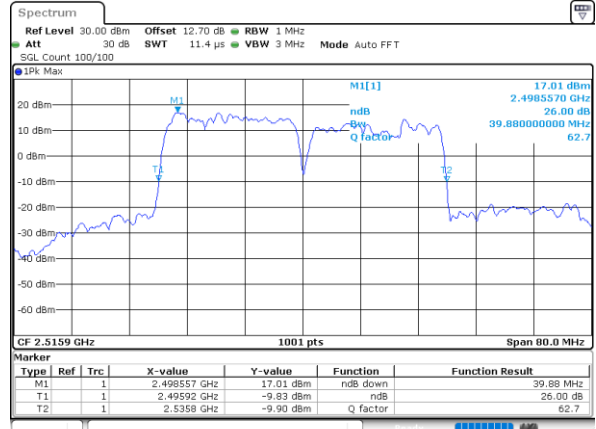
LTE Band 41C

QPSK

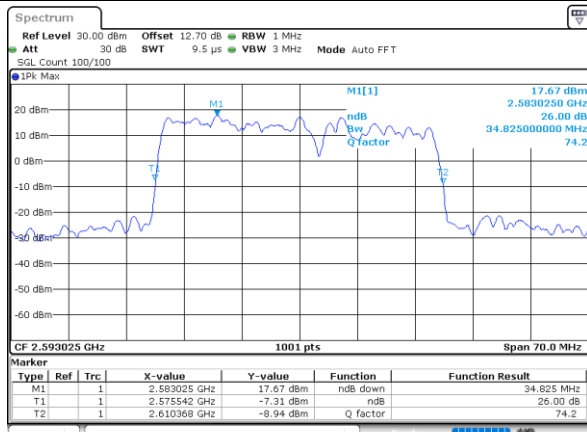
Lowest Channel / 20MHz+15MHz



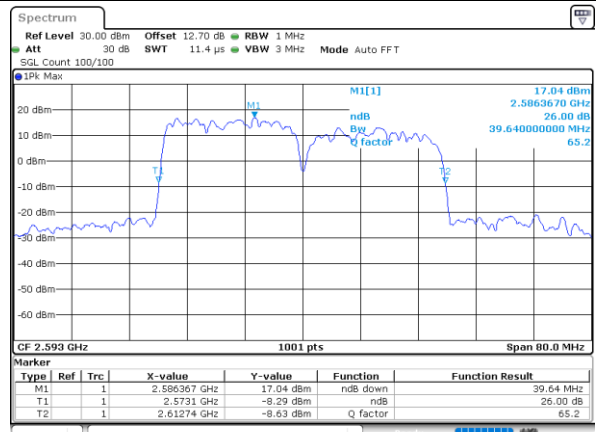
Lowest Channel / 20MHz+20MHz



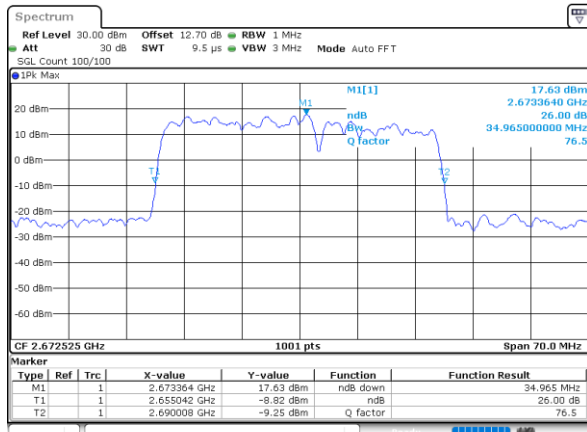
Middle Channel / 20MHz+15MHz



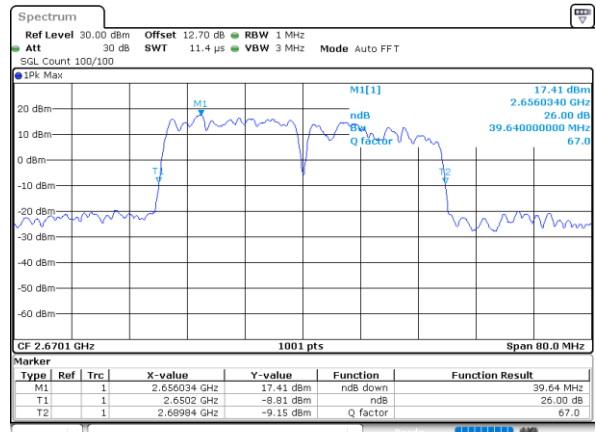
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

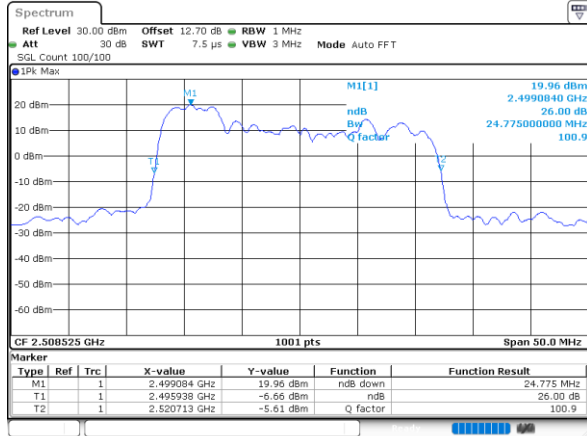




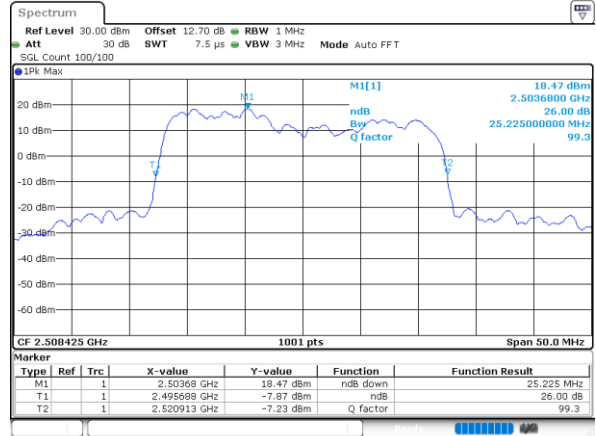
LTE Band 41C

16QAM

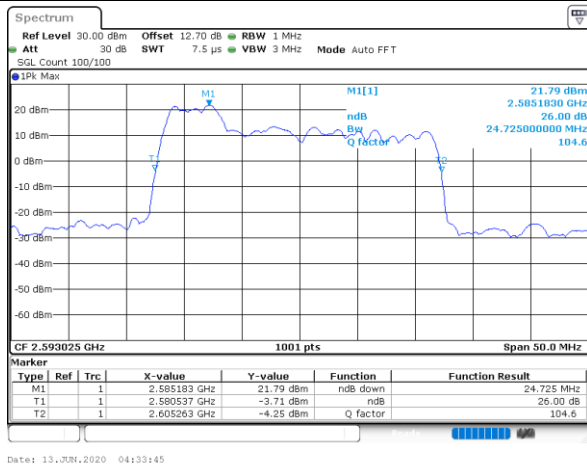
Lowest Channel / 5MHz+20MHz



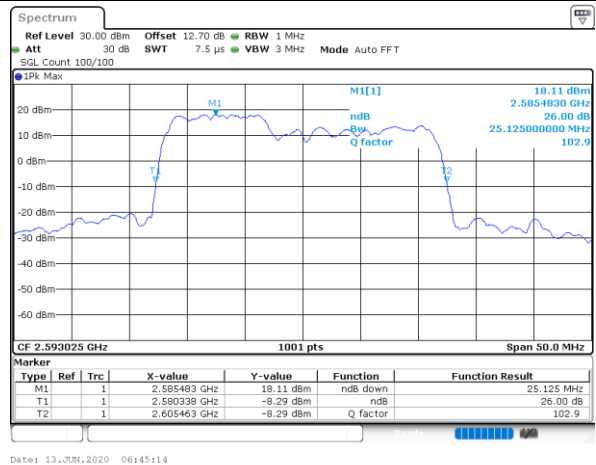
Lowest Channel / 10MHz+15MHz



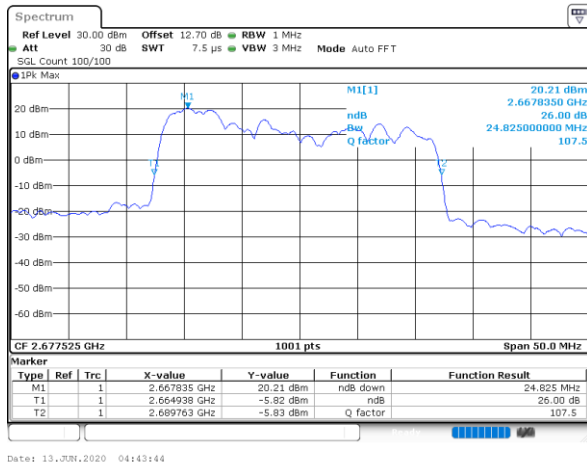
Middle Channel / 5MHz+20MHz



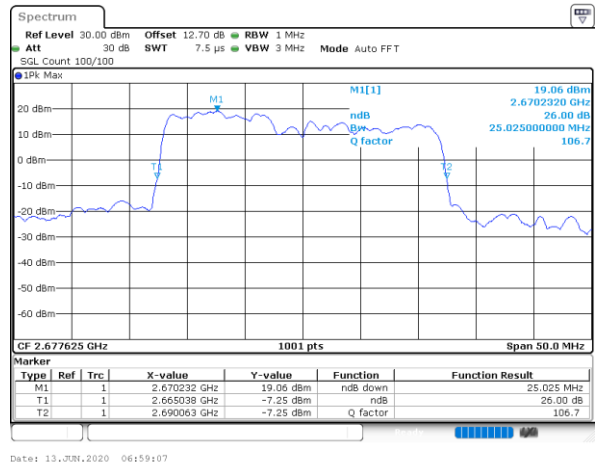
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

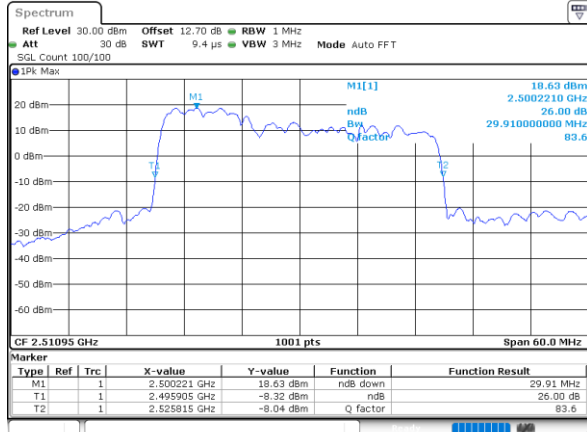




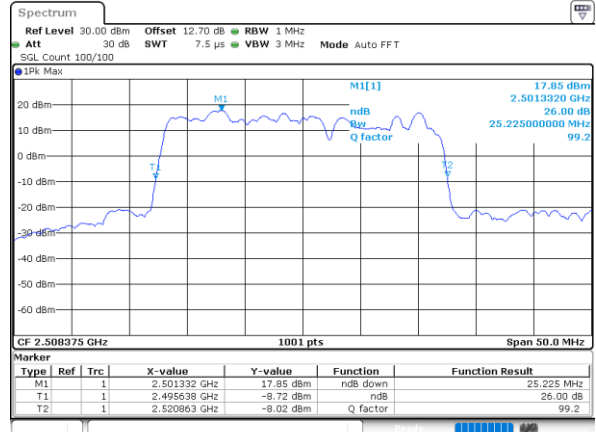
LTE Band 41C

16QAM

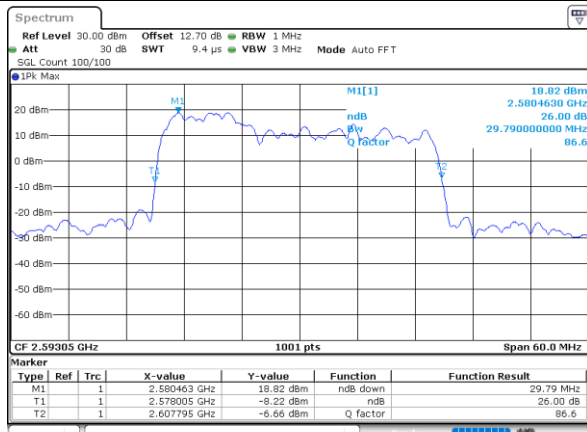
Lowest Channel / 10MHz+20MHz



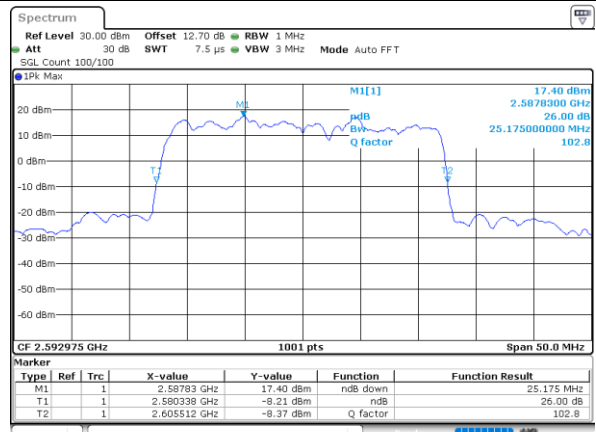
Lowest Channel / 15MHz+10MHz



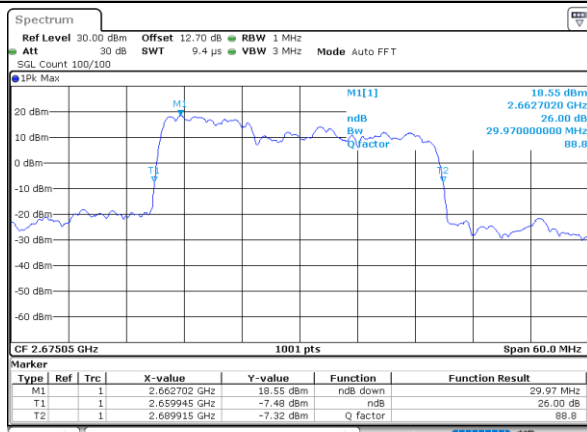
Middle Channel / 10MHz+20MHz



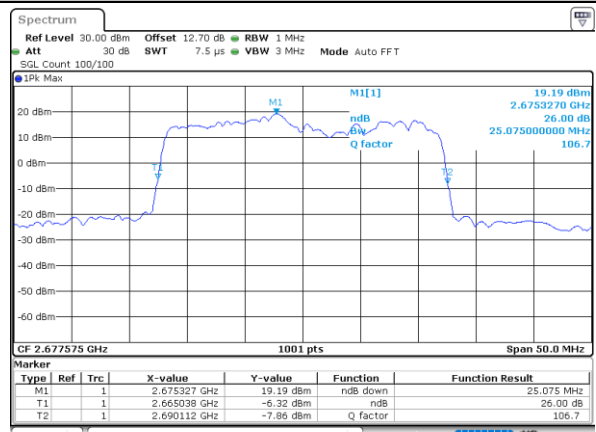
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

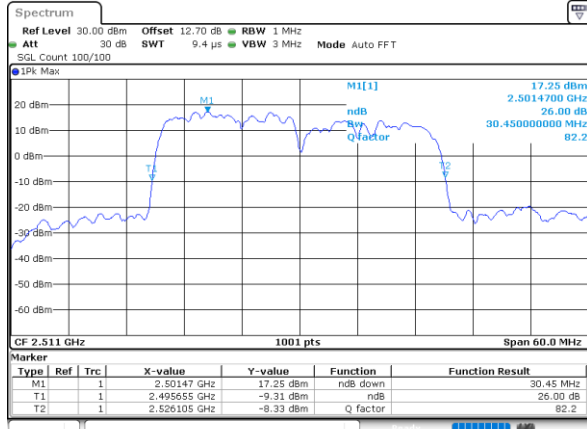




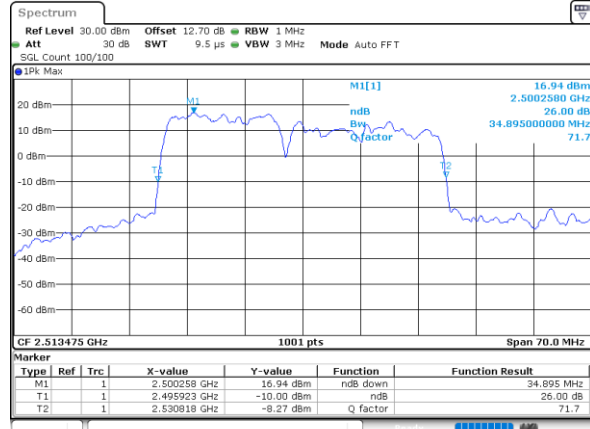
LTE Band 41C

16QAM

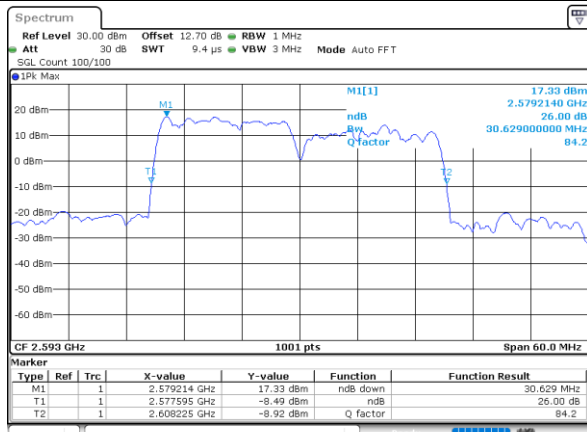
Lowest Channel / 15MHz+15MHz



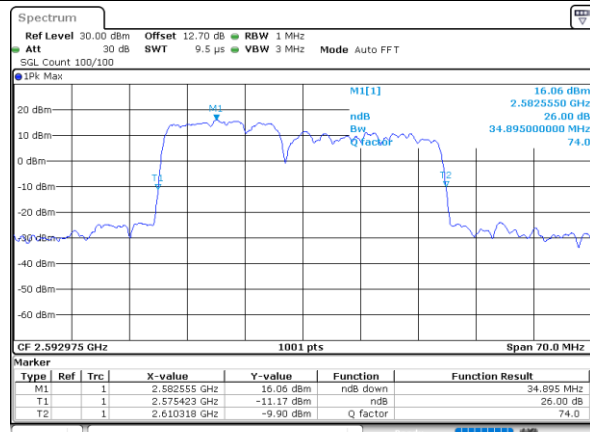
Lowest Channel / 15MHz+20MHz



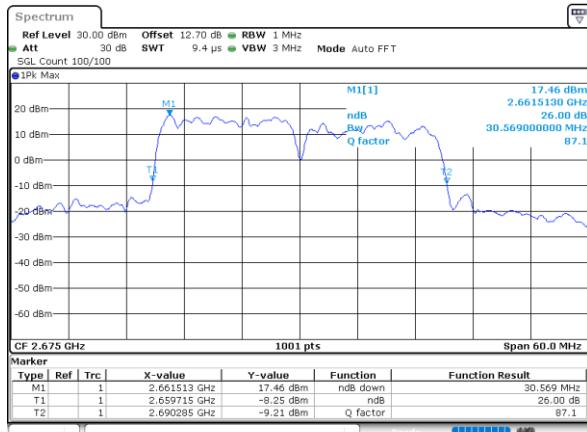
Middle Channel / 15MHz+15MHz



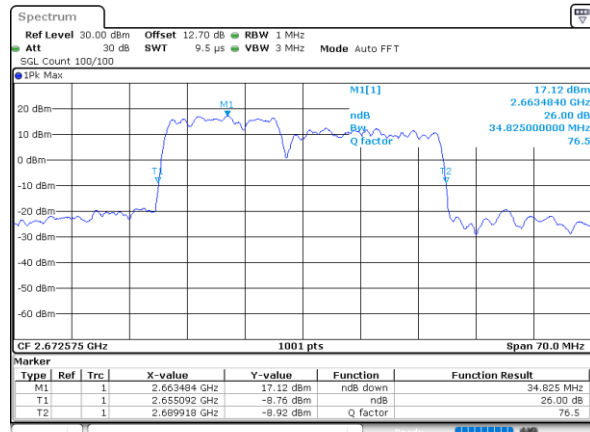
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

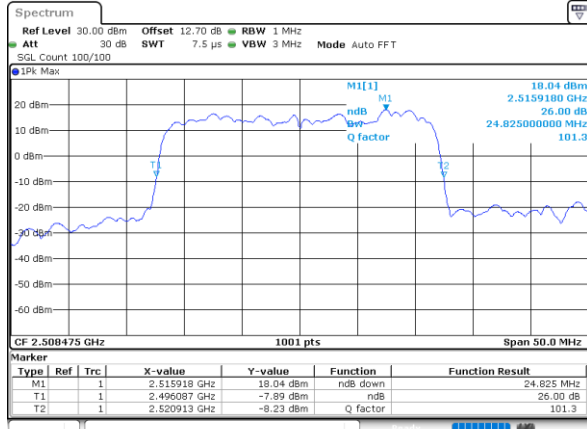




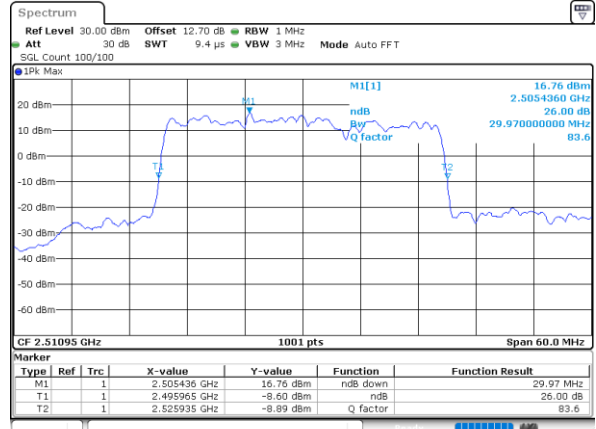
LTE Band 41C

16QAM

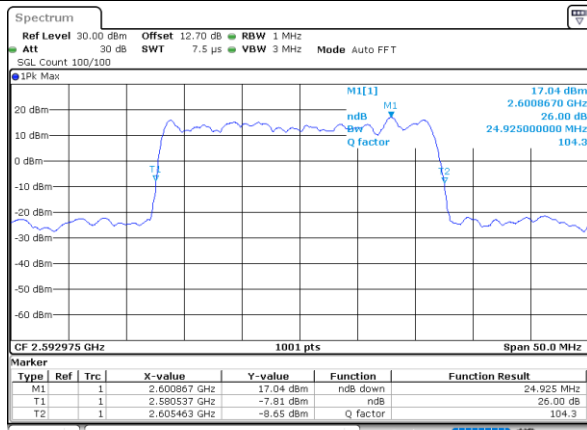
Lowest Channel / 20MHz+5MHz



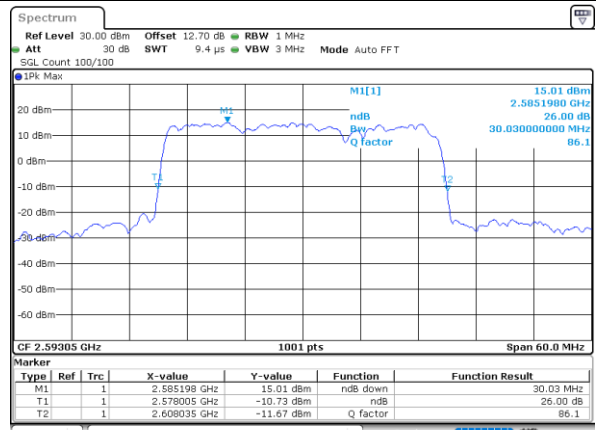
Lowest Channel / 20MHz+10MHz



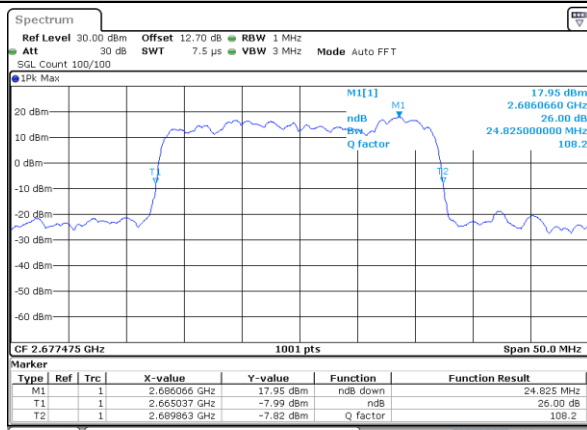
Middle Channel / 20MHz+5MHz



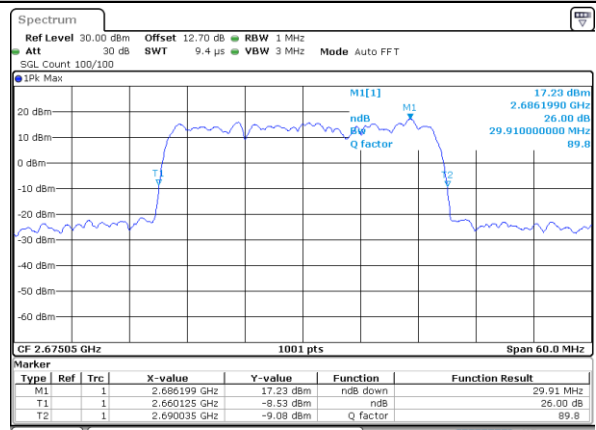
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

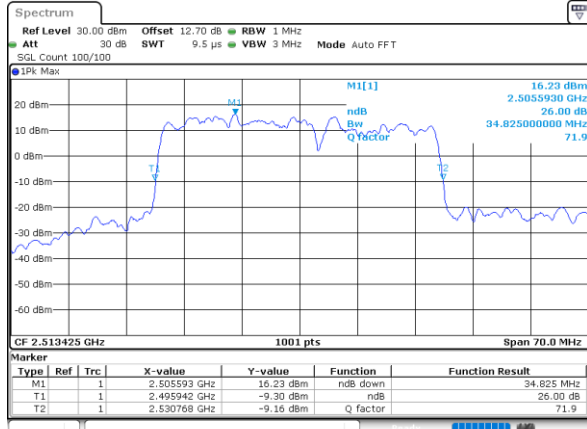




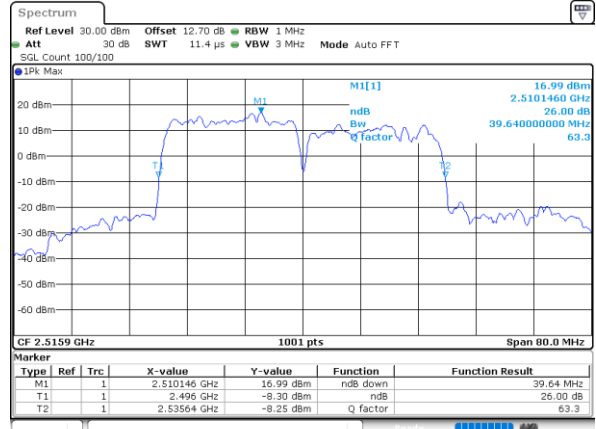
LTE Band 41C

16QAM

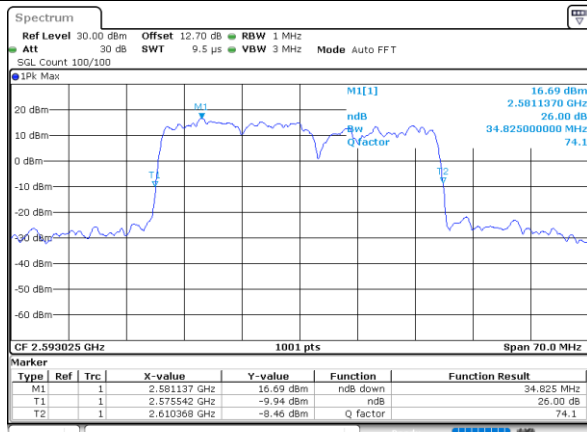
Lowest Channel / 20MHz+15MHz



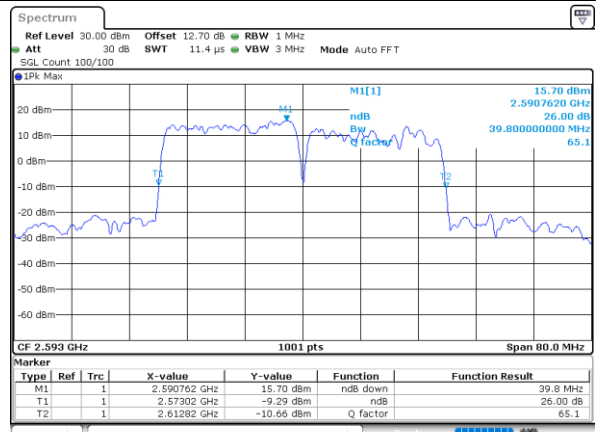
Lowest Channel / 20MHz+20MHz



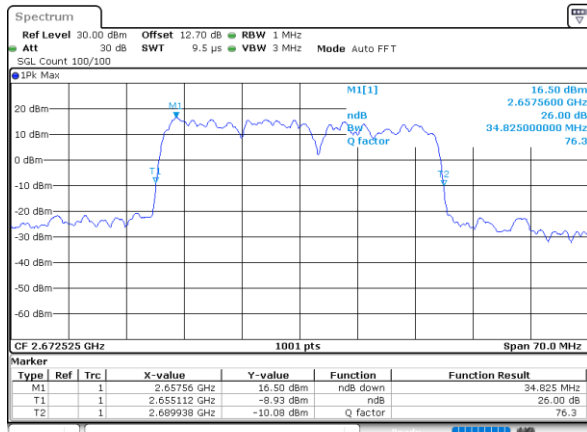
Middle Channel / 20MHz+15MHz



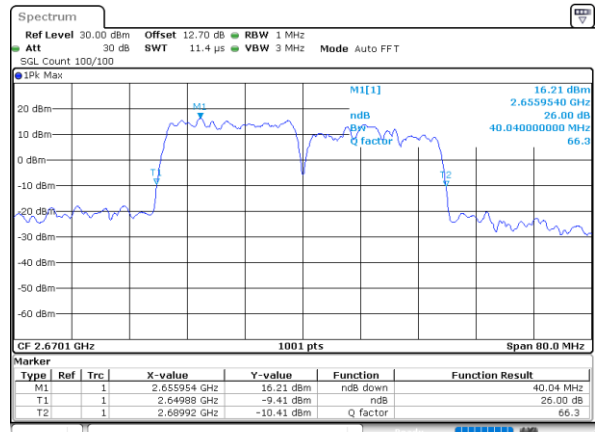
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

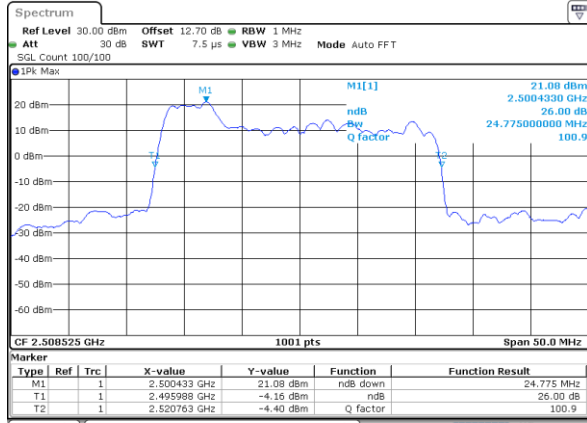




LTE Band 41C

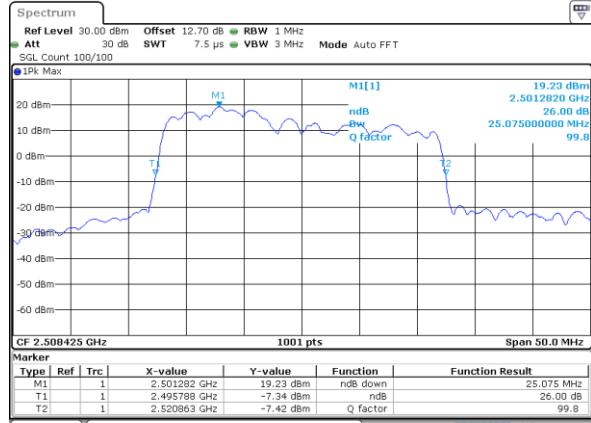
64QAM

Lowest Channel / 5MHz+20MHz



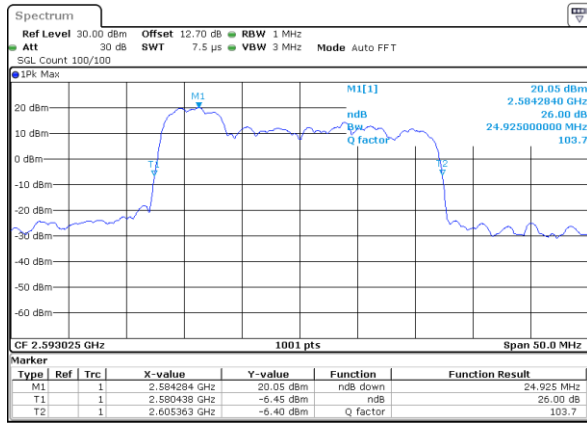
Date: 13 JUN 2020 04:39:32

Lowest Channel / 10MHz+15MHz



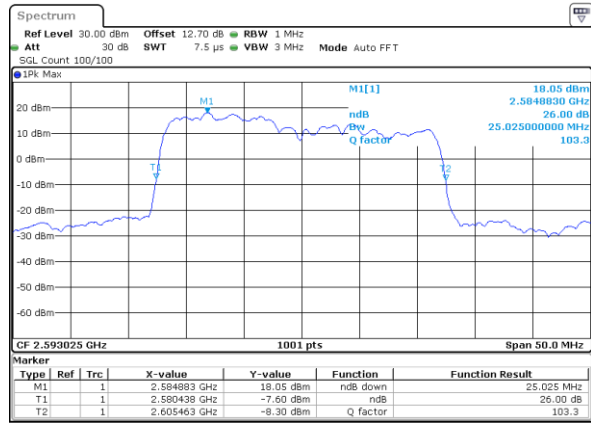
Date: 13 JUN 2020 06:47:40

Middle Channel / 5MHz+20MHz



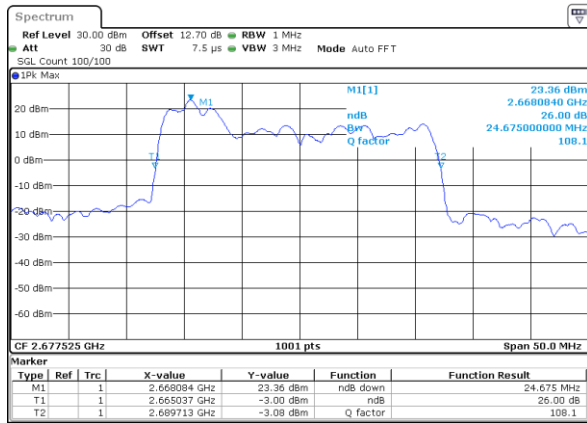
Date: 13 JUN 2020 04:33:22

Middle Channel / 10MHz+15MHz



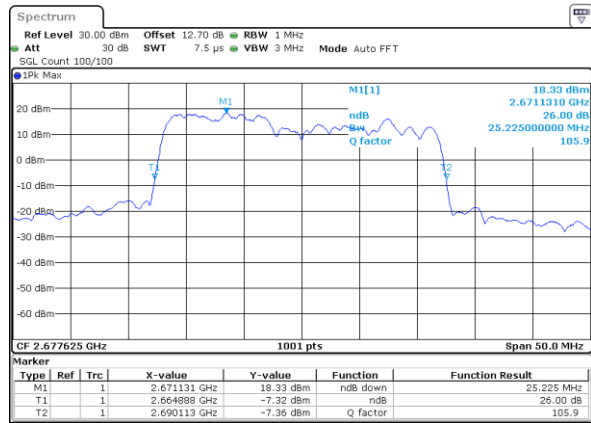
Date: 13 JUN 2020 06:44:51

Highest Channel / 5MHz+20MHz



Date: 13 JUN 2020 04:44:07

Highest Channel / 10MHz+15MHz



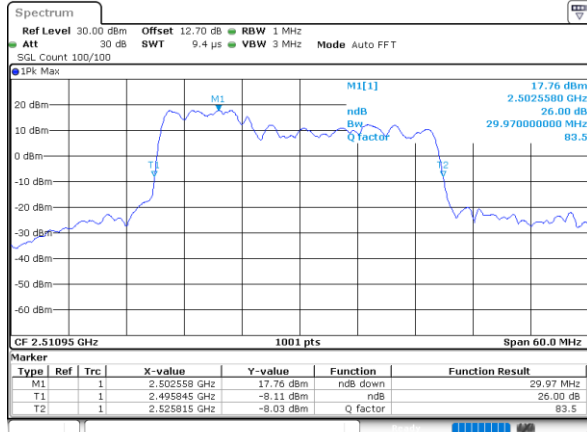
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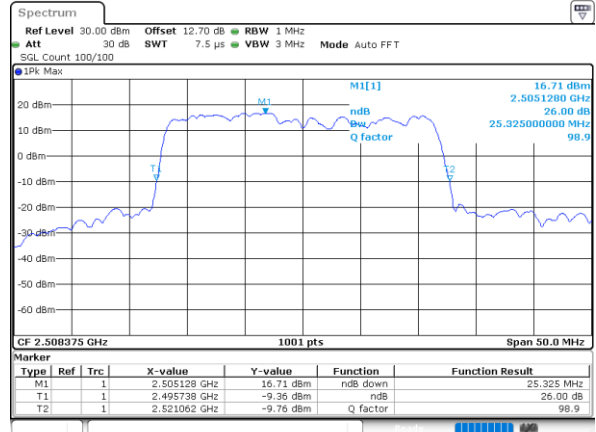
LTE Band 41C

64QAM

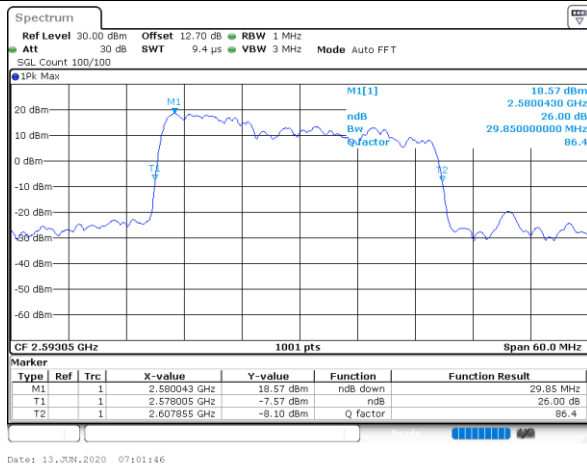
Lowest Channel / 10MHz+20MHz



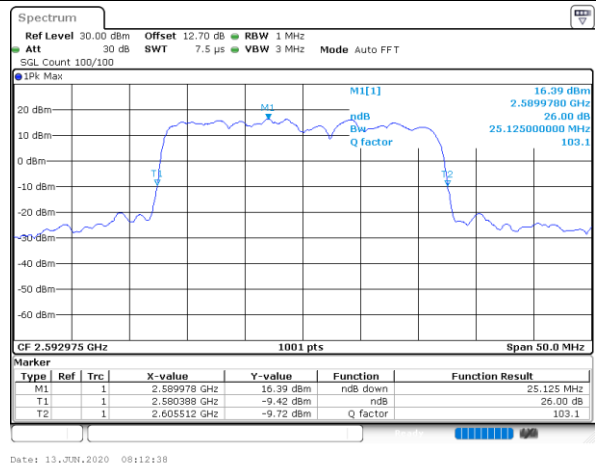
Lowest Channel / 15MHz+10MHz



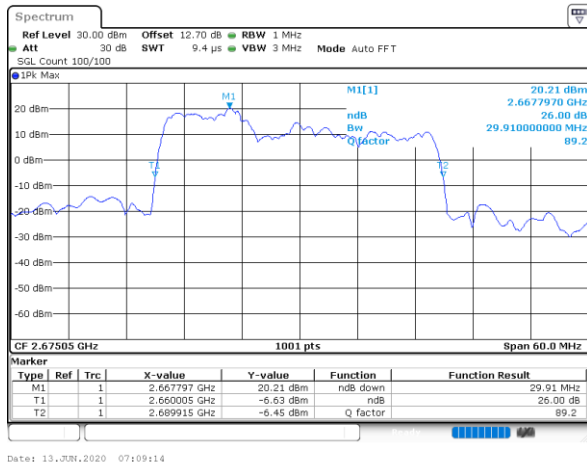
Middle Channel / 10MHz+20MHz



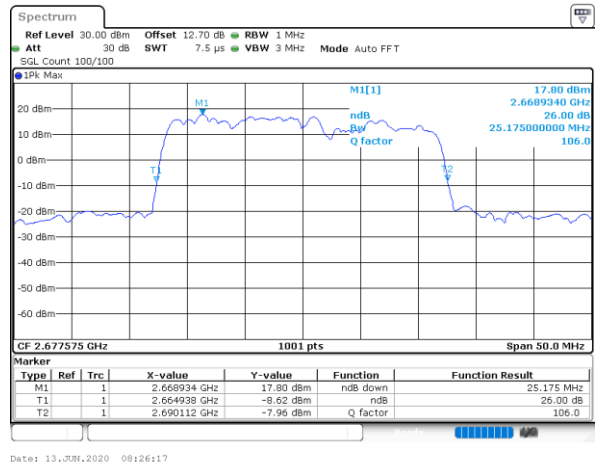
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

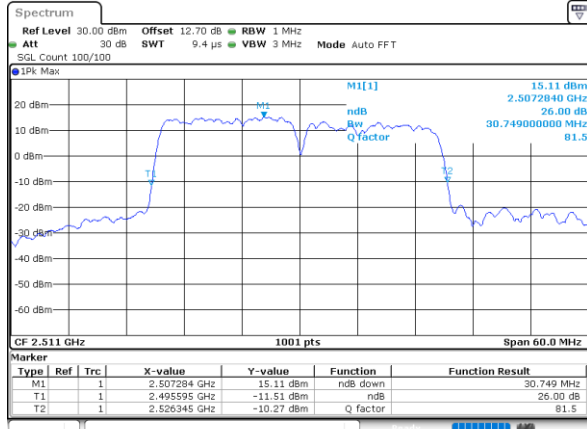




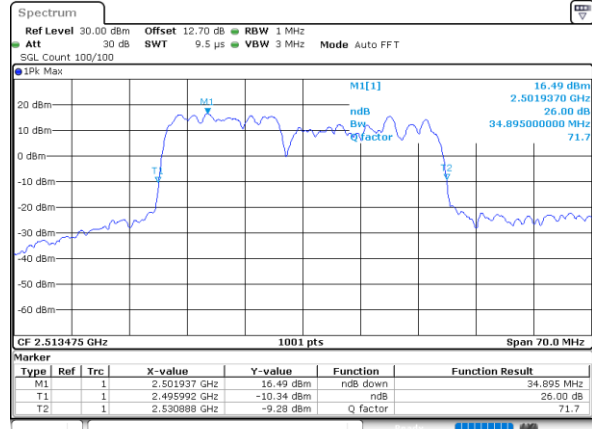
LTE Band 41C

64QAM

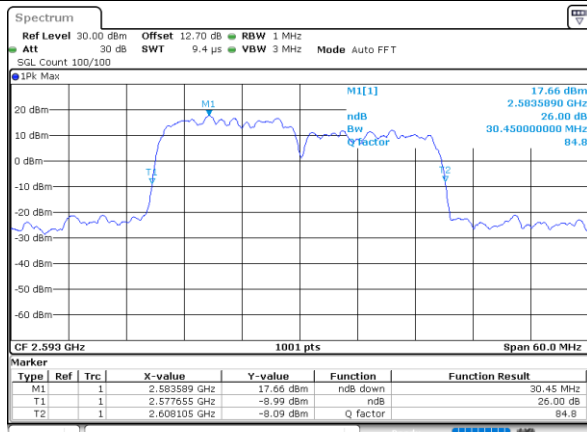
Lowest Channel / 15MHz+15MHz



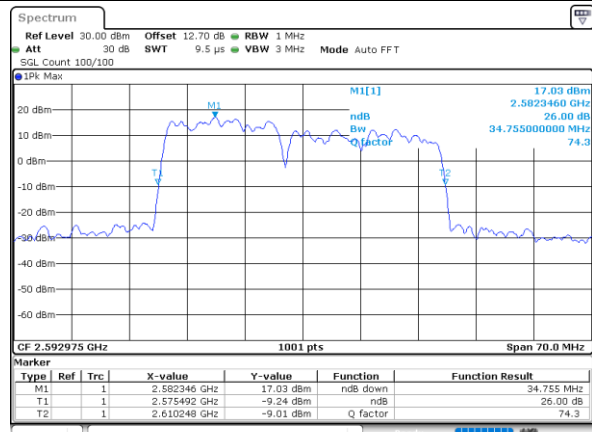
Lowest Channel / 15MHz+20MHz



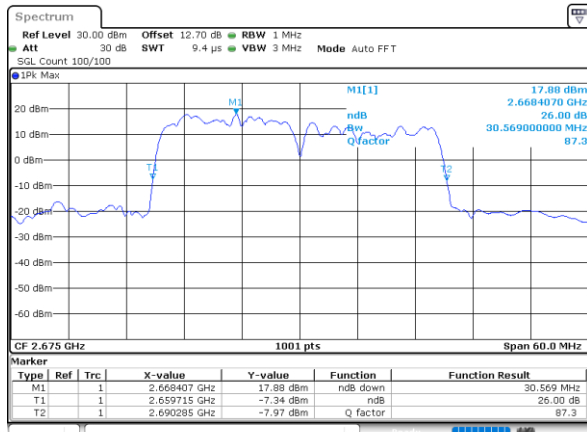
Middle Channel / 15MHz+15MHz



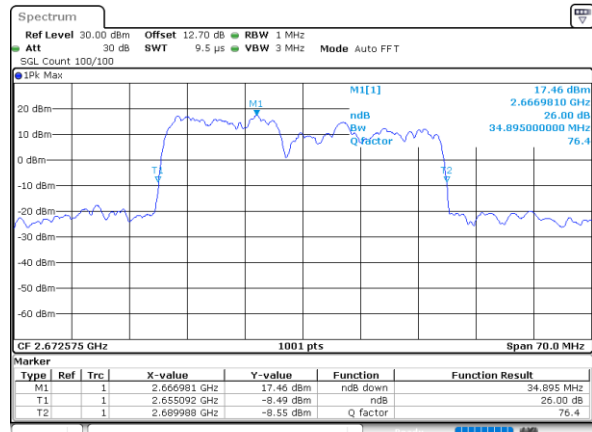
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

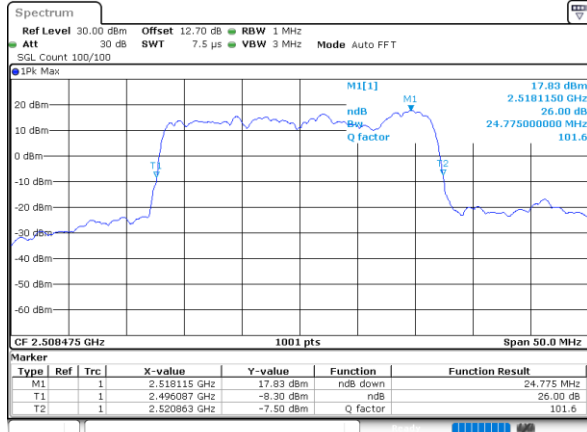




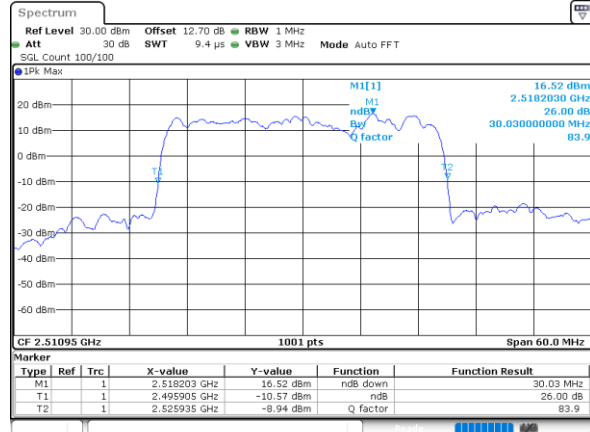
LTE Band 41C

64QAM

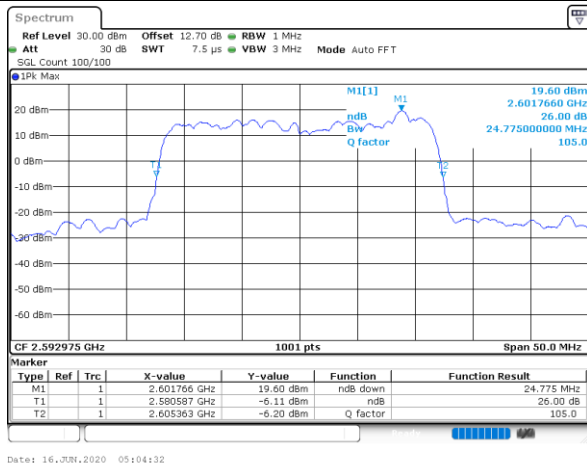
Lowest Channel / 20MHz+5MHz



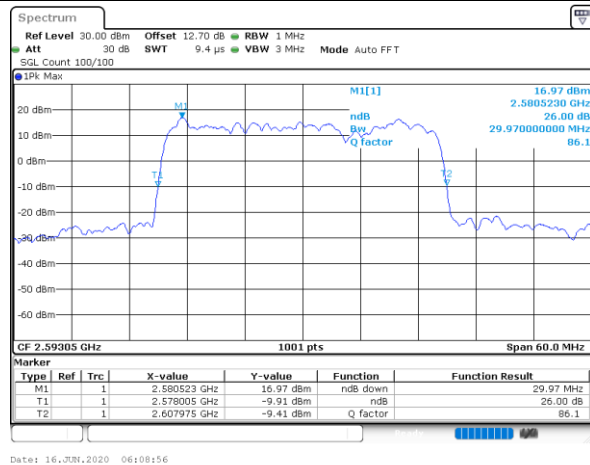
Lowest Channel / 20MHz+10MHz



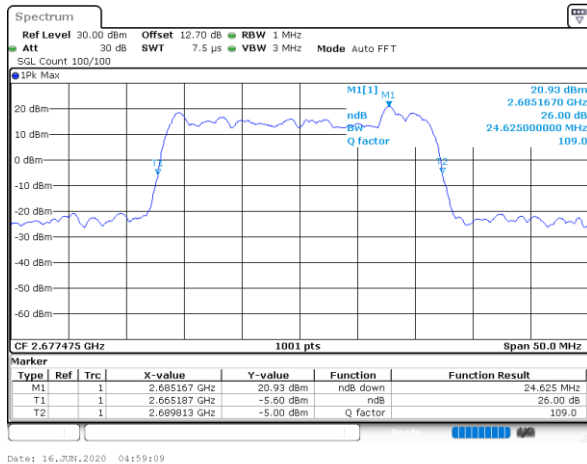
Middle Channel / 20MHz+5MHz



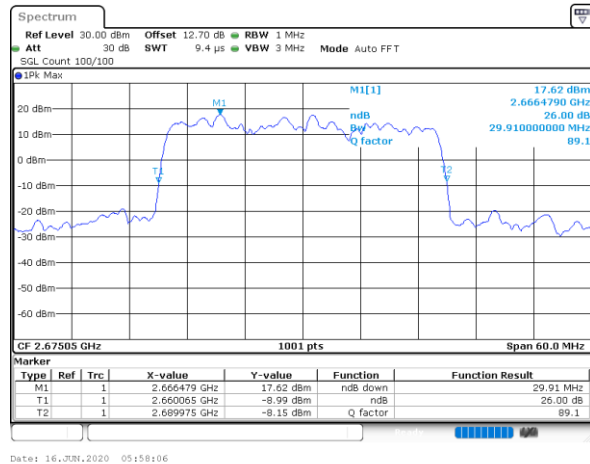
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

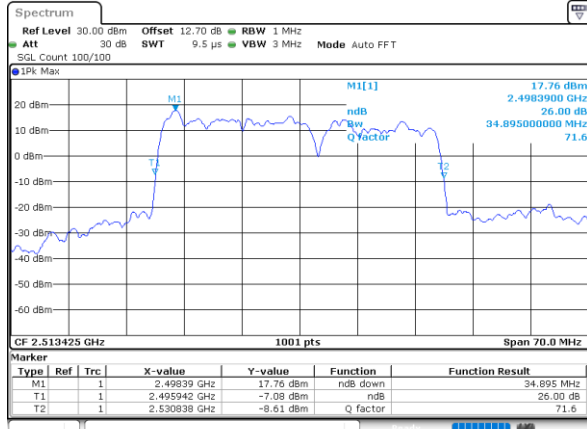




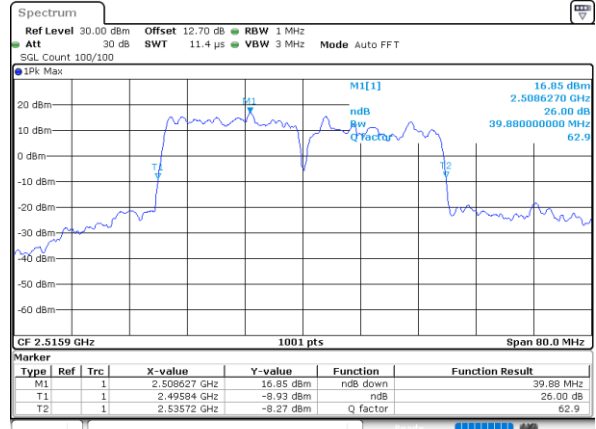
LTE Band 41C

64QAM

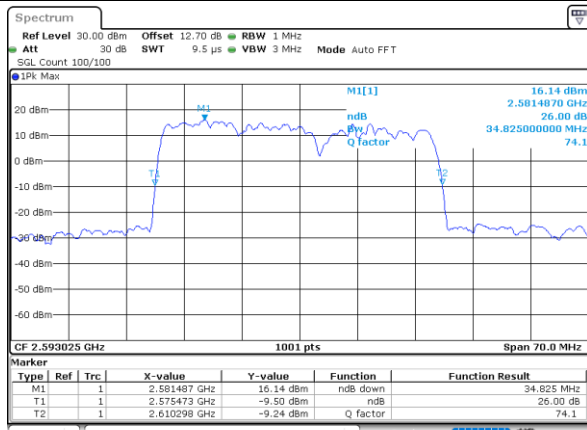
Lowest Channel / 20MHz+15MHz



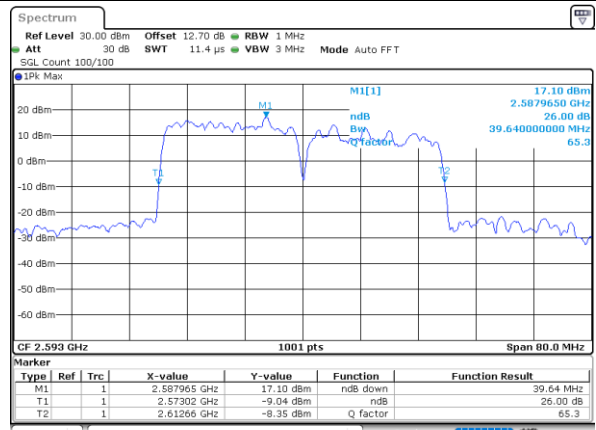
Lowest Channel / 20MHz+20MHz



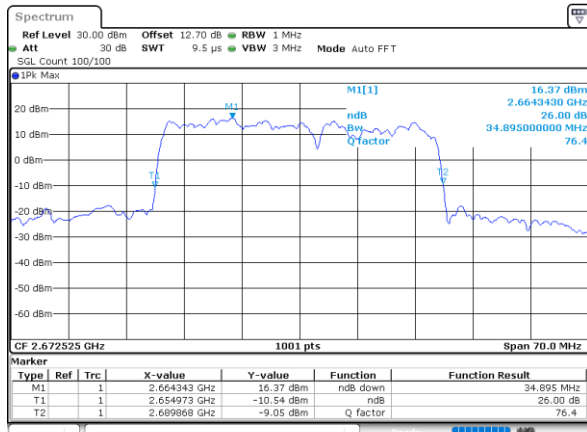
Middle Channel / 20MHz+15MHz



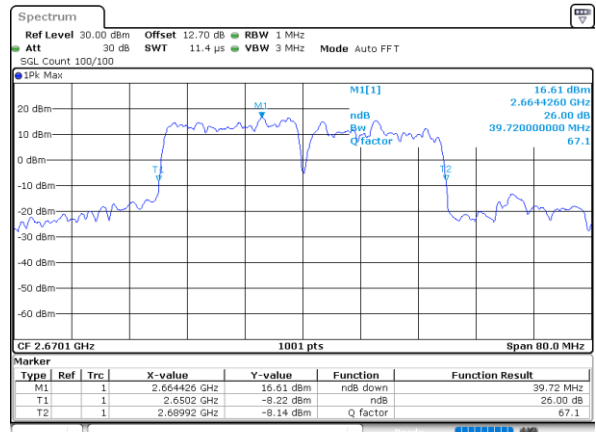
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz



**Occupied Bandwidth**

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.18	23.53	28.05	23.53	28.53
Middle CH	23.03	23.48	27.57	23.58	28.53
Highest CH	23.23	23.53	27.75	23.43	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.38	28.23	32.66	37.64
Middle CH	32.66	23.43	27.81	32.94	37.72
Highest CH	32.73	23.33	27.93	32.52	37.56

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.23	23.08	27.99	23.58	28.89
Middle CH	23.23	23.43	27.93	23.33	28.59
Highest CH	22.73	23.23	27.87	23.08	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.18	27.99	32.80	37.64
Middle CH	32.45	23.38	28.29	32.59	37.56
Highest CH	32.73	23.23	28.05	32.80	37.40

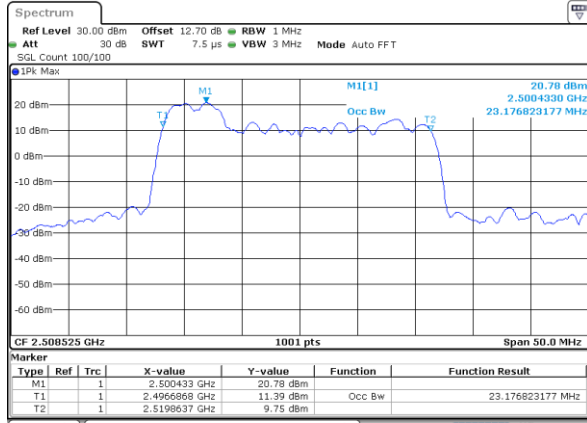
Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.23	23.53	27.87	23.38	28.71
Middle CH	23.08	23.48	27.99	23.38	28.47
Highest CH	22.73	23.03	27.81	23.18	28.29
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.59	23.23	27.99	32.87	37.64
Middle CH	32.59	23.13	27.93	32.59	37.48
Highest CH	32.59	23.33	27.99	32.66	37.40



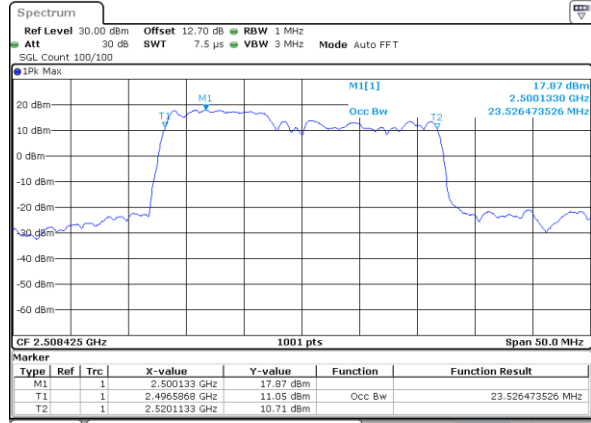
LTE Band 41C

QPSK

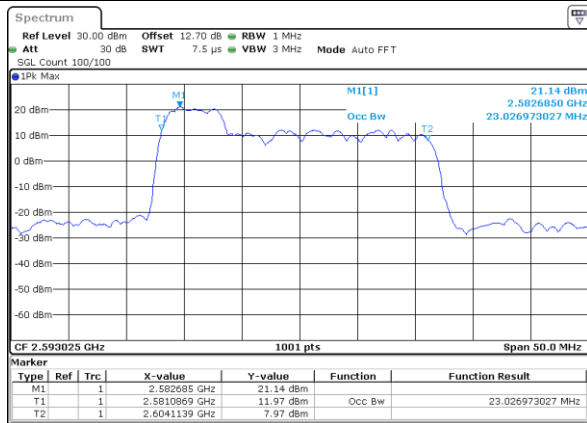
Lowest Channel / 5MHz+20MHz



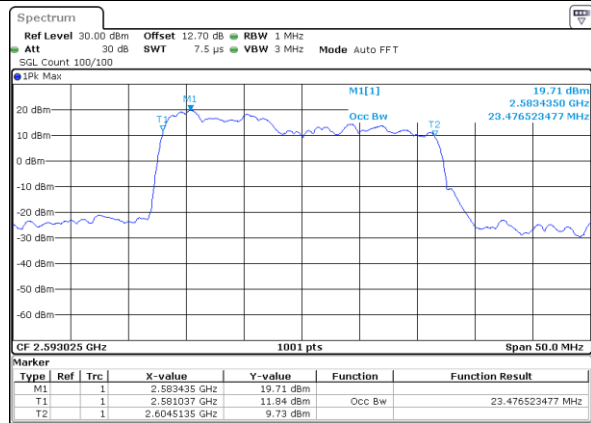
Lowest Channel / 10MHz+15MHz



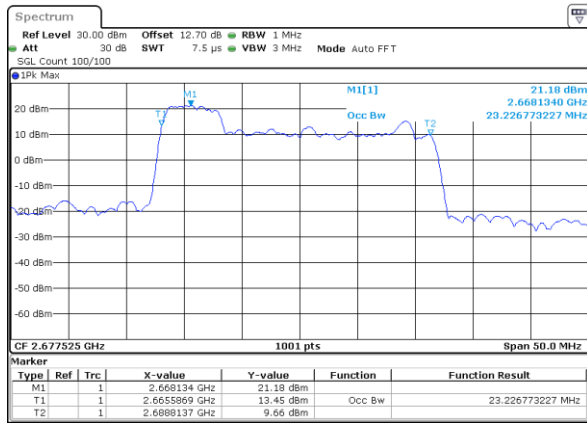
Middle Channel / 5MHz+20MHz



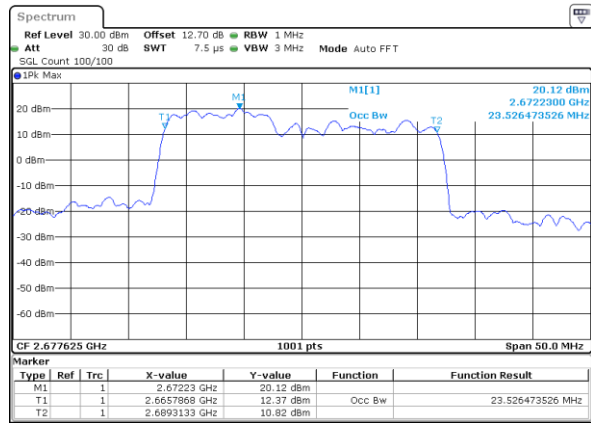
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

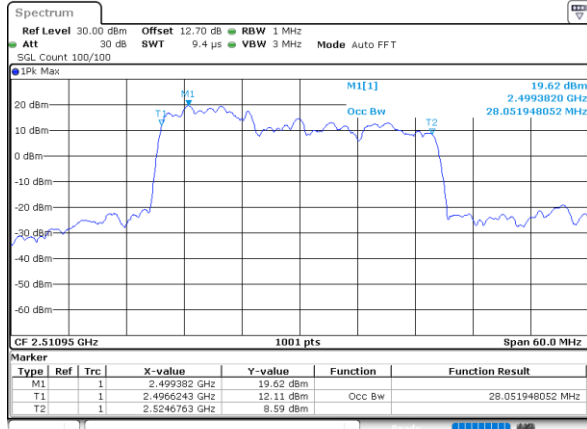




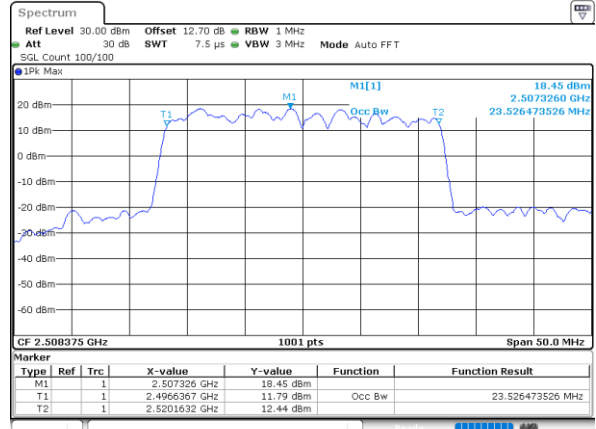
LTE Band 41C

QPSK

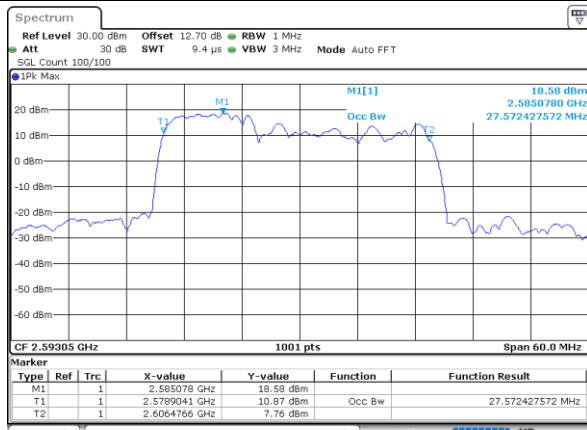
Lowest Channel / 10MHz+20MHz



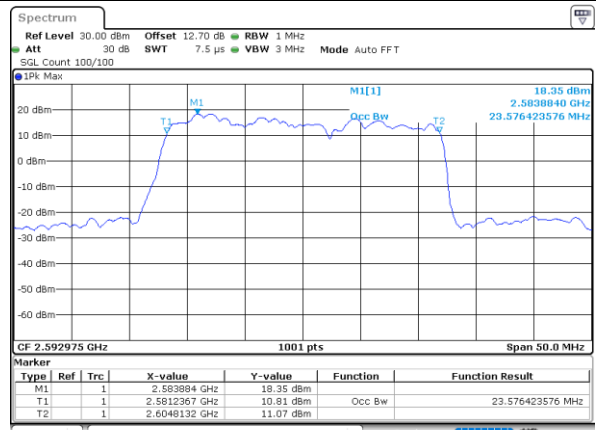
Lowest Channel / 15MHz+10MHz



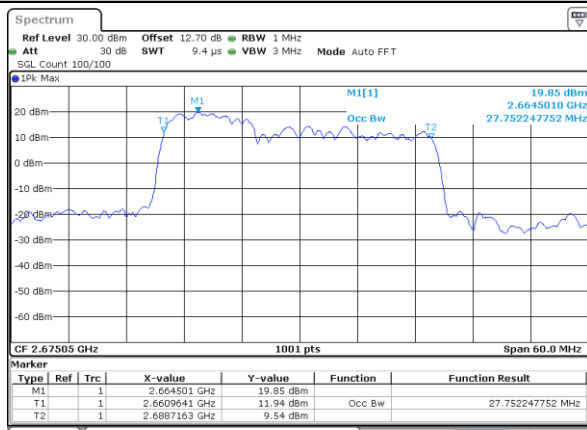
Middle Channel / 10MHz+20MHz



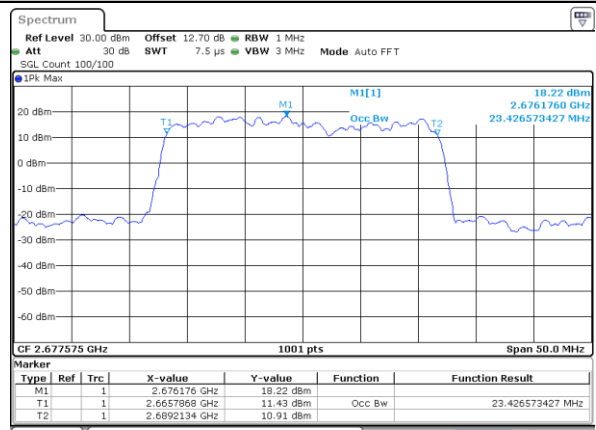
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

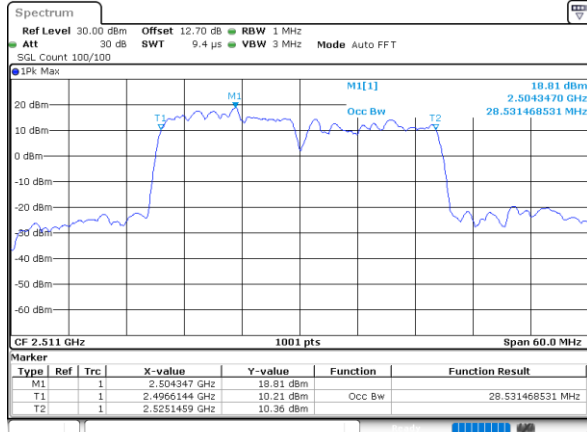




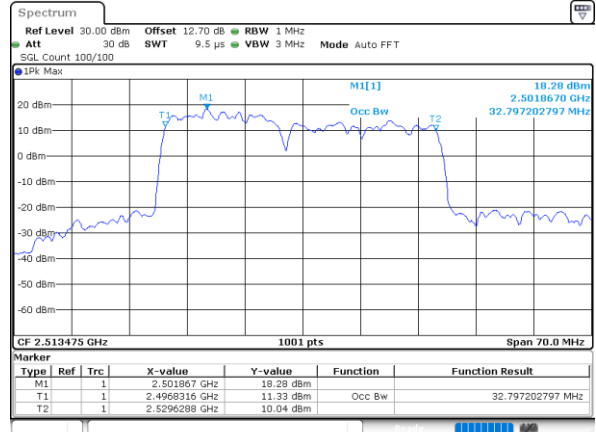
LTE Band 41C

QPSK

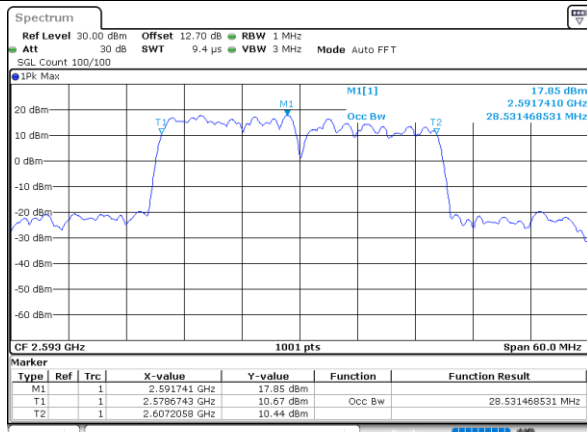
Lowest Channel / 15MHz+15MHz



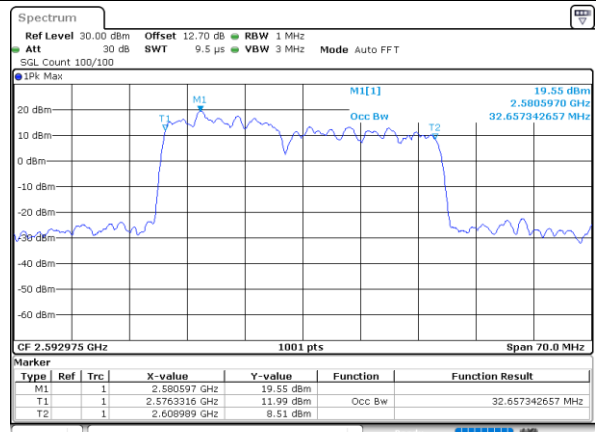
Lowest Channel / 15MHz+20MHz



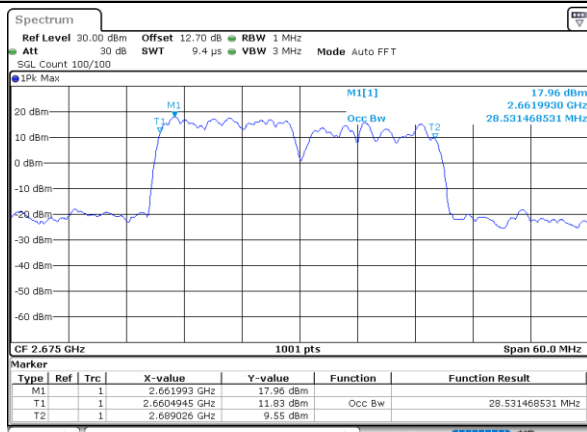
Middle Channel / 15MHz+15MHz



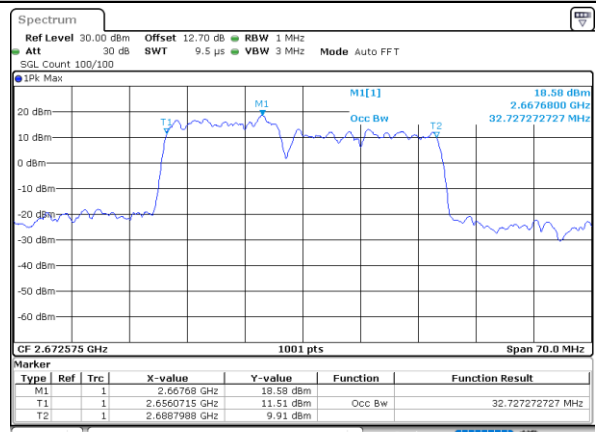
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

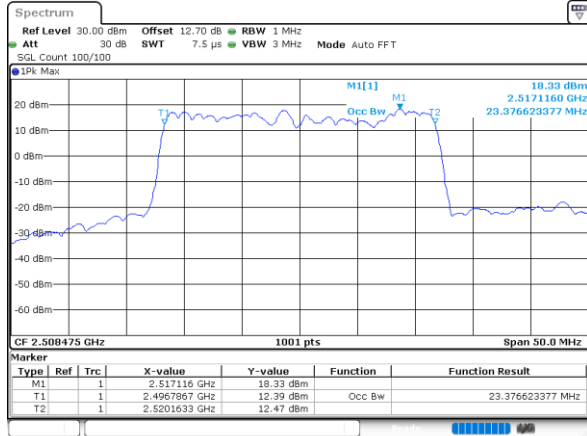




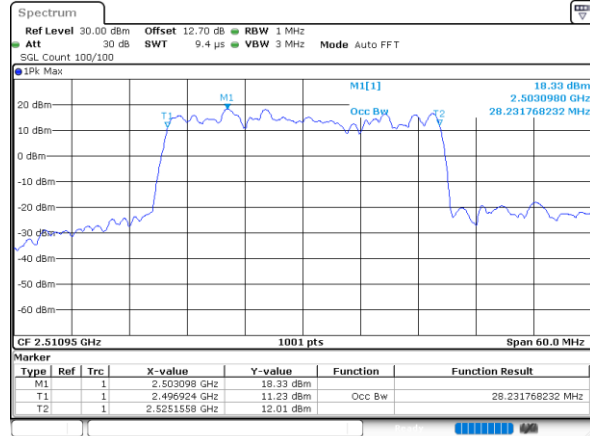
LTE Band 41C

QPSK

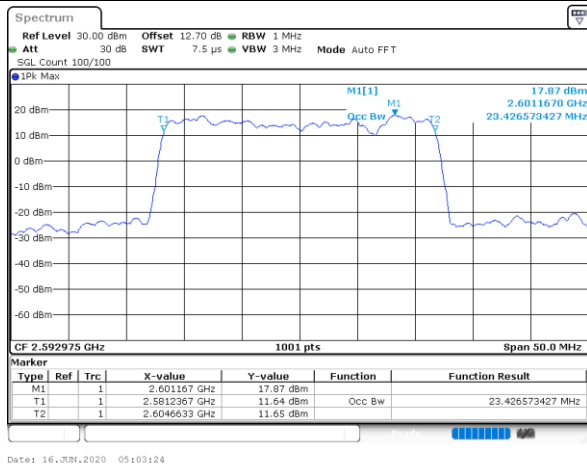
Lowest Channel / 20MHz+5MHz



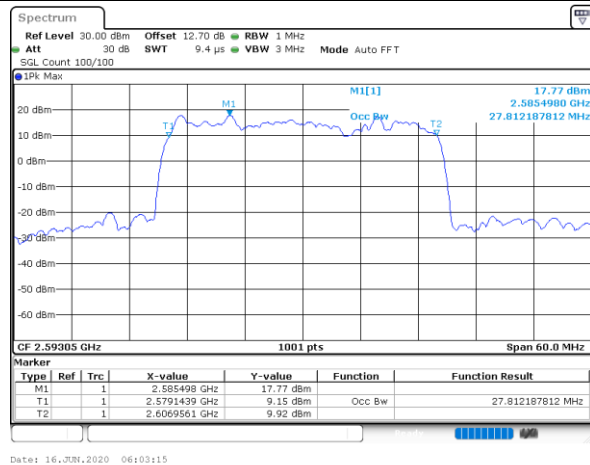
Lowest Channel / 20MHz+10MHz



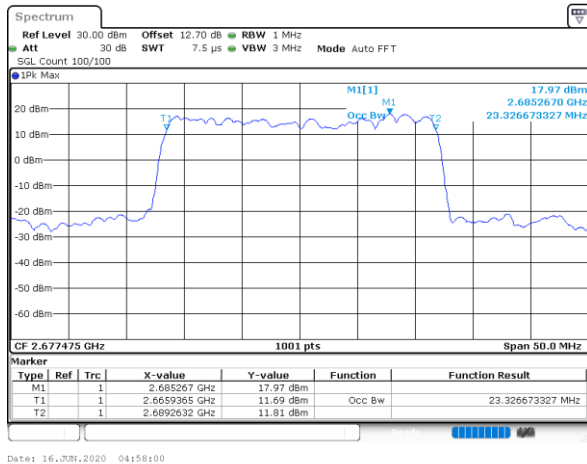
Middle Channel / 20MHz+5MHz



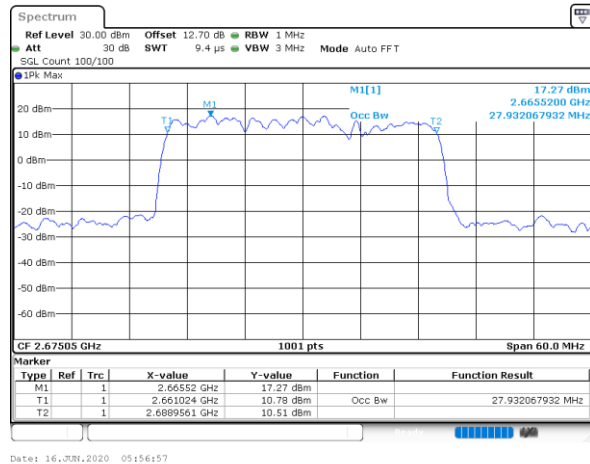
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

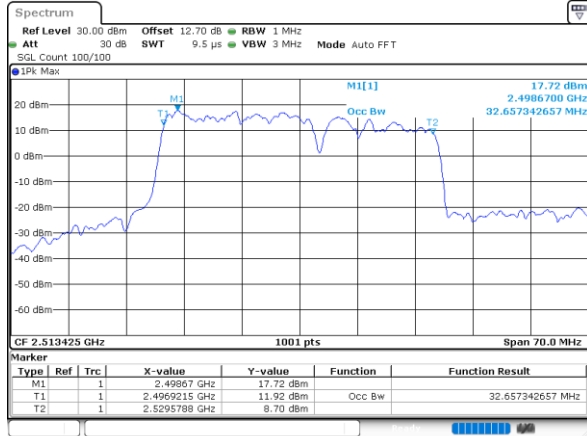




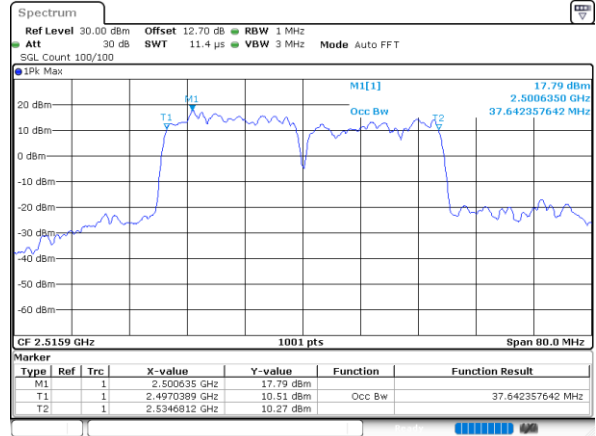
LTE Band 41C

QPSK

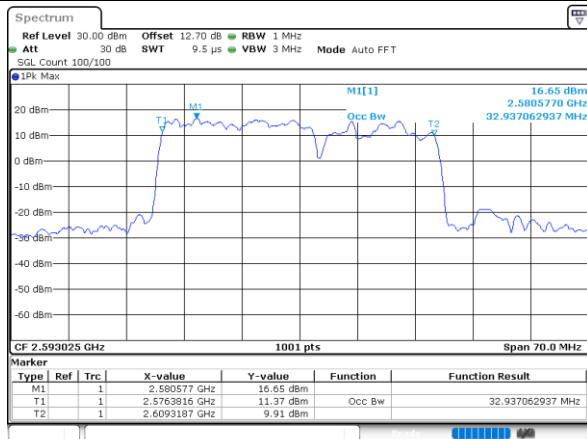
Lowest Channel / 20MHz+15MHz



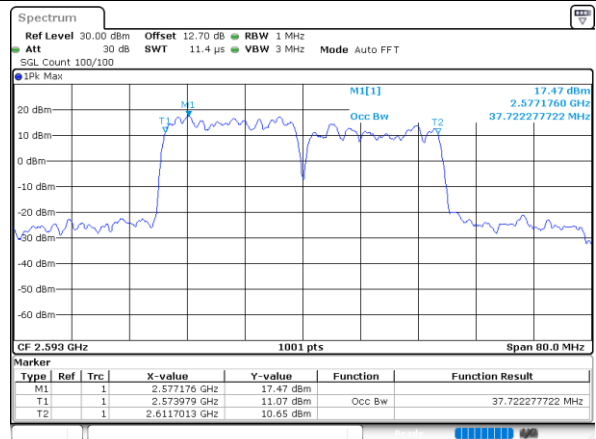
Lowest Channel / 20MHz+20MHz



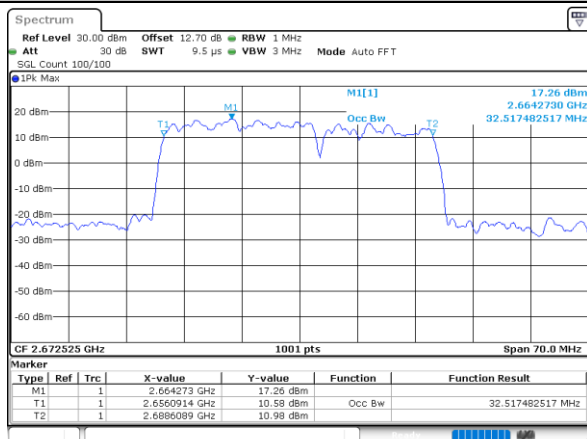
Middle Channel / 20MHz+15MHz



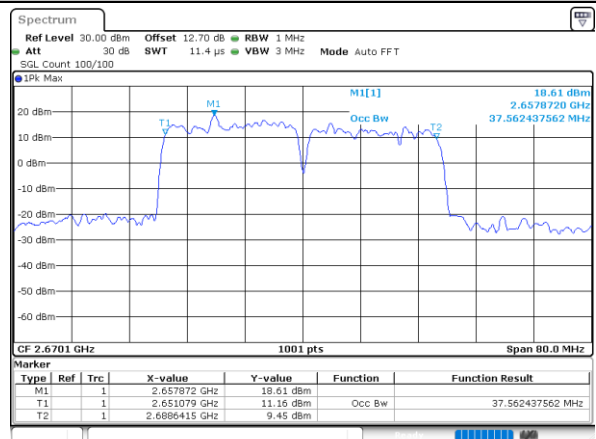
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

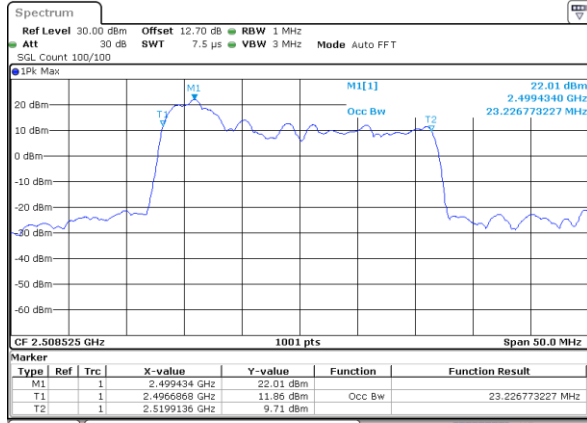




LTE Band 41C

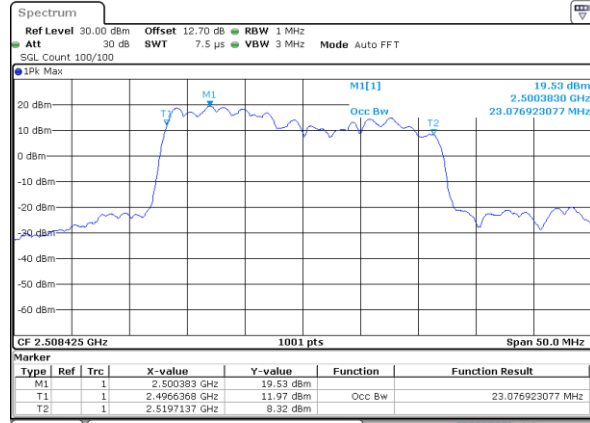
16QAM

Lowest Channel / 5MHz+20MHz



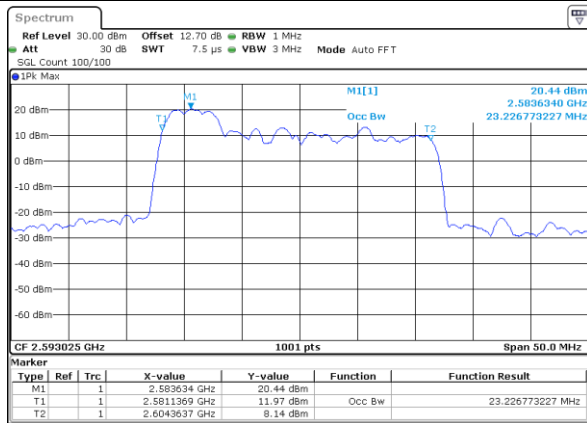
Date: 13 JUN 2020 04:38:47

Lowest Channel / 10MHz+15MHz



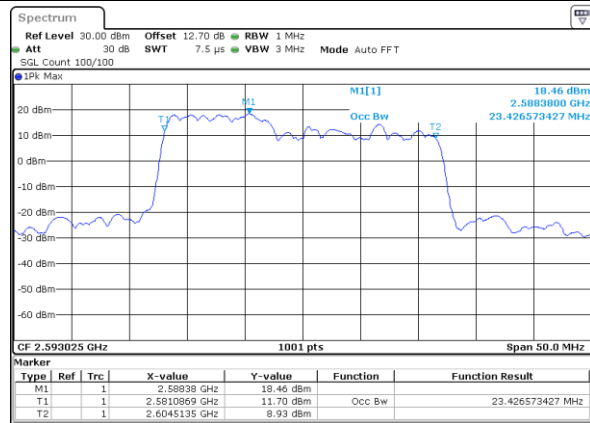
Date: 13 JUN 2020 06:46:55

Middle Channel / 5MHz+20MHz



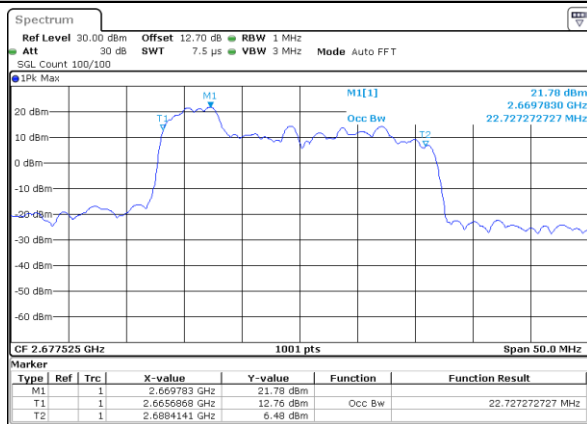
Date: 13 JUN 2020 04:32:37

Middle Channel / 10MHz+15MHz



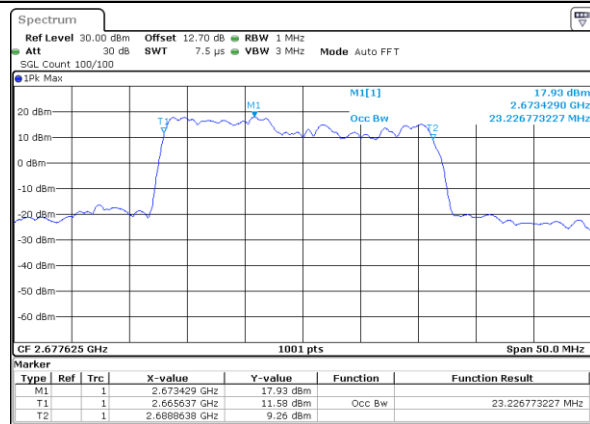
Date: 13 JUN 2020 06:44:05

Highest Channel / 5MHz+20MHz



Date: 13 JUN 2020 04:42:36

Highest Channel / 10MHz+15MHz



Date: 13 JUN 2020 06:57:59