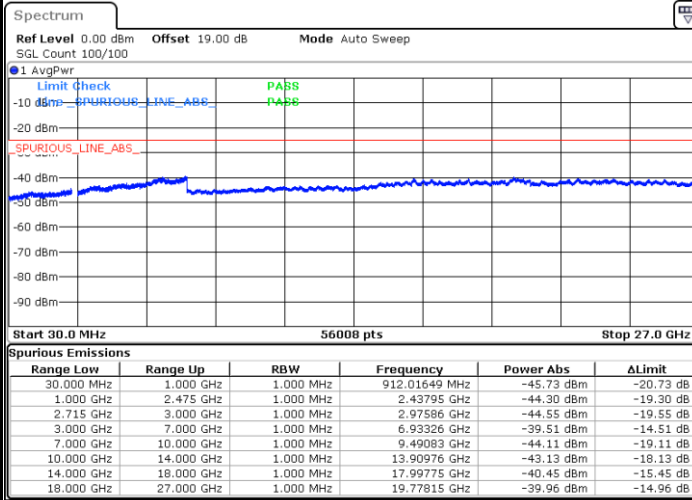




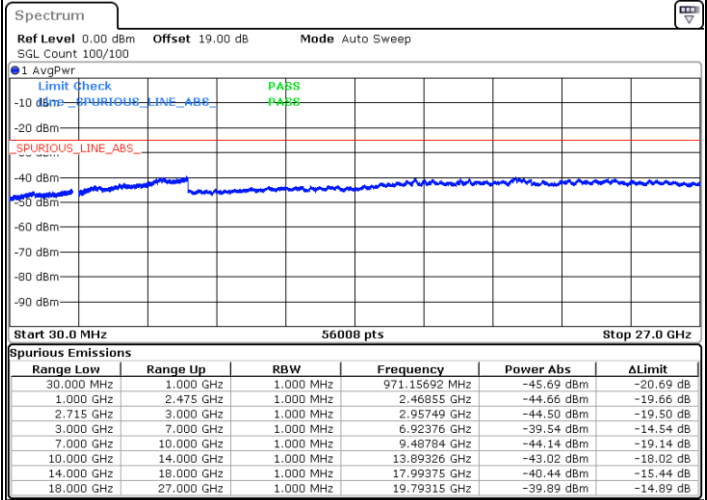
LTE Band 41 / 10MHz

Middle Channel / QPSK



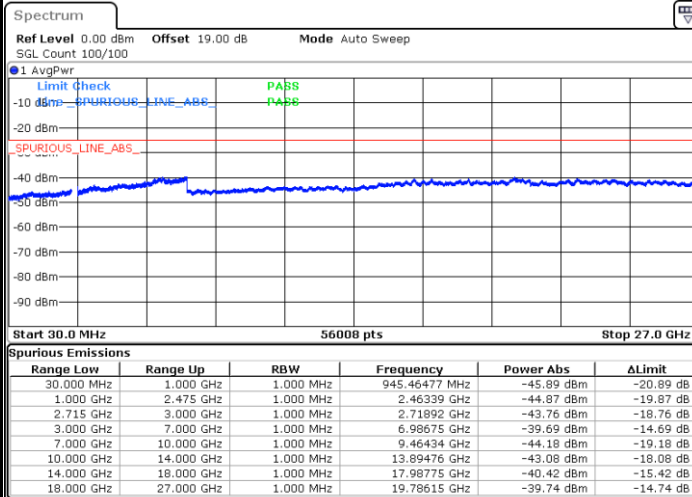
Date: 28.FEB.2022 16:15:51

Middle Channel / 16QAM



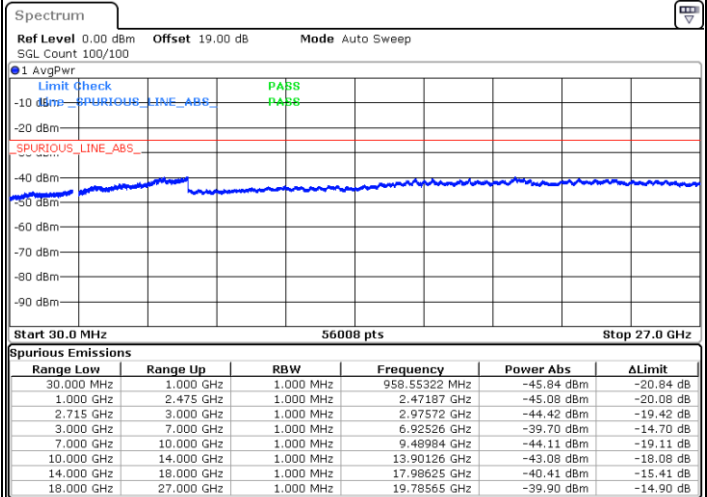
Date: 28.FEB.2022 16:17:13

Highest Channel / QPSK



Date: 28.FEB.2022 16:18:36

Highest Channel / 16QAM

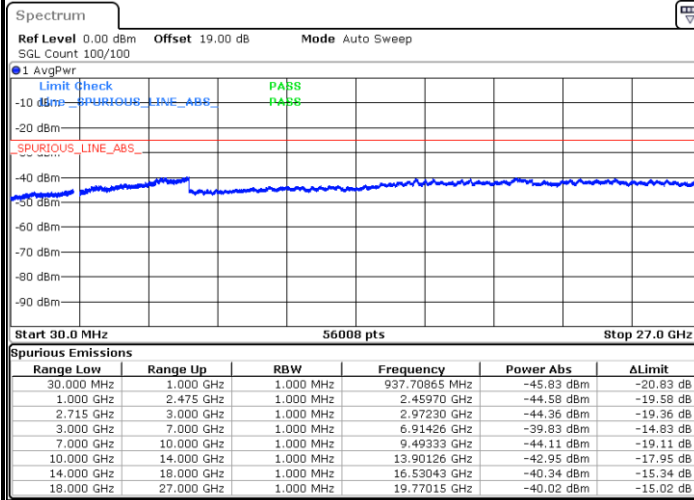


Date: 28.FEB.2022 16:19:58



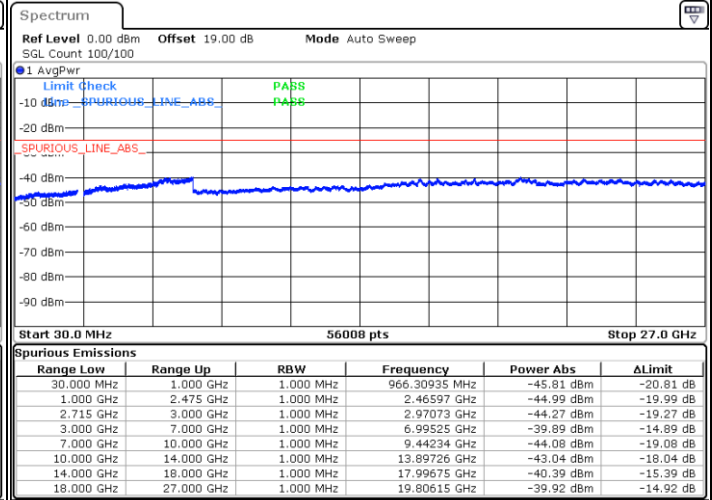
LTE Band 41 / 15MHz

Lowest Channel / QPSK



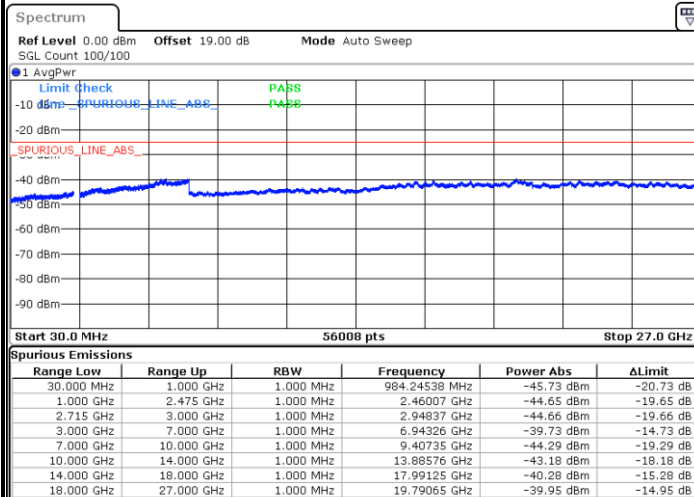
Date: 28.FEB.2022 16:21:22

Lowest Channel / 16QAM



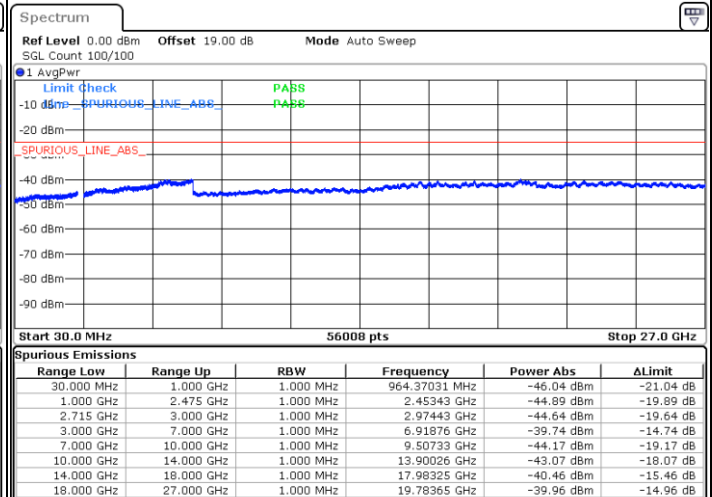
Date: 28.FEB.2022 16:22:44

Middle Channel / QPSK



Date: 28.FEB.2022 16:24:07

Middle Channel / 16QAM

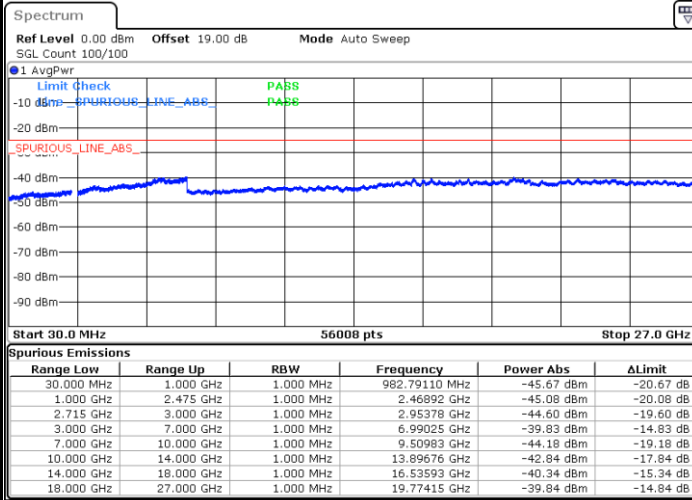


Date: 28.FEB.2022 16:25:29



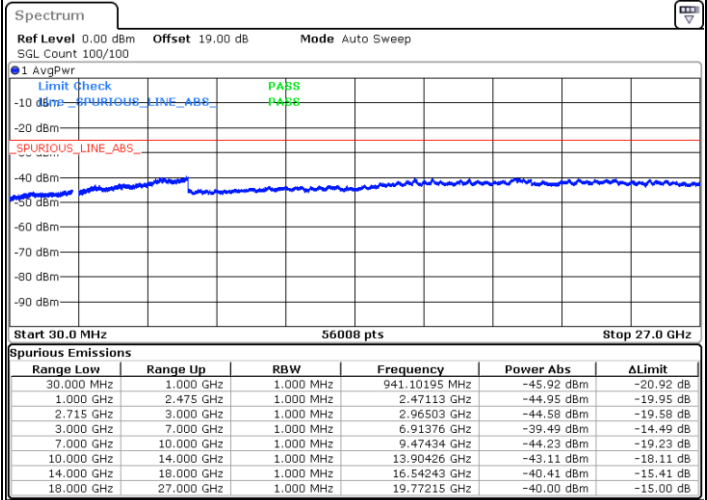
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 28.FEB.2022 16:26:51

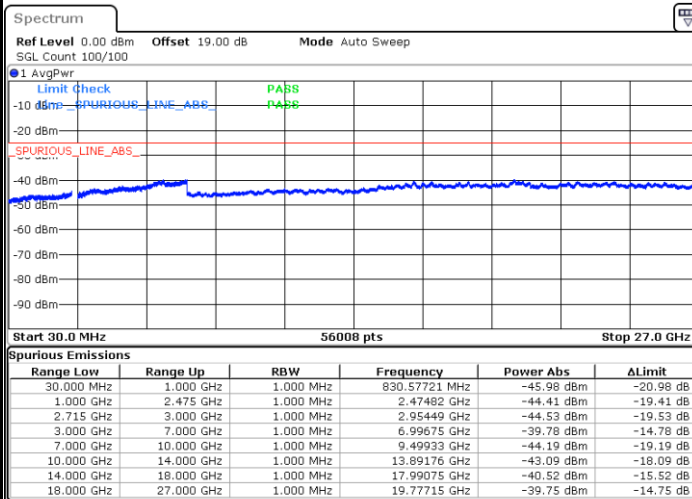
Highest Channel / 16QAM



Date: 28.FEB.2022 16:28:14

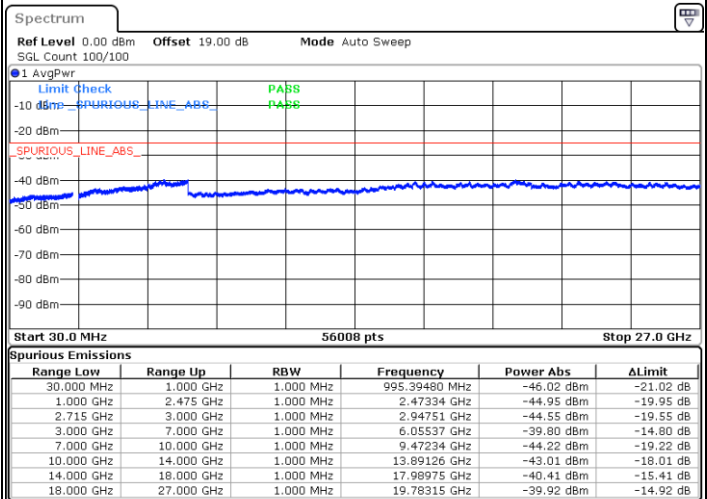
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 28.FEB.2022 16:29:38

Lowest Channel / 16QAM

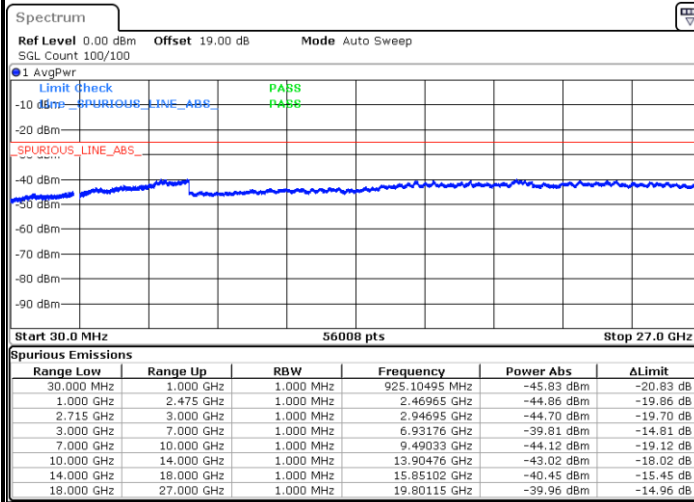


Date: 28.FEB.2022 16:31:00



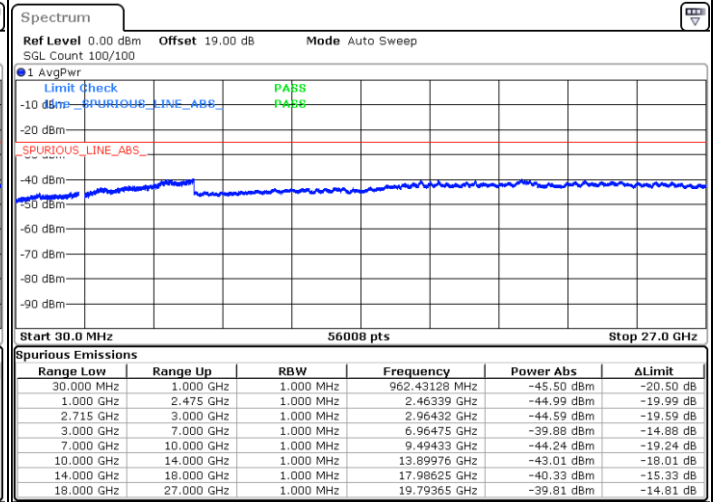
LTE Band 41 / 20MHz

Middle Channel / QPSK



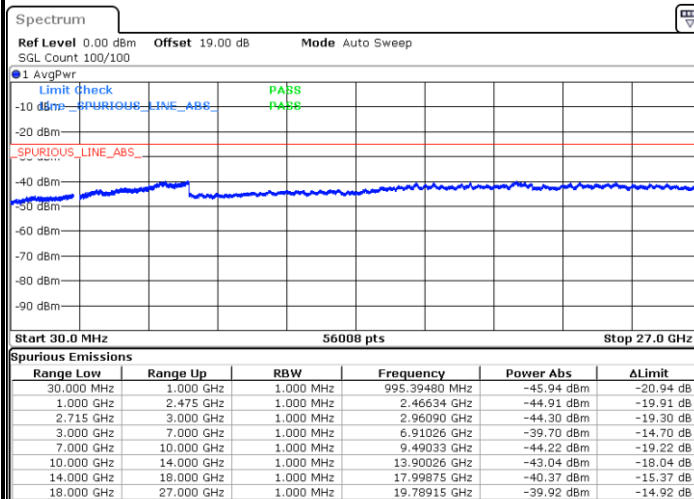
Date: 28.FEB.2022 16:32:23

Middle Channel / 16QAM



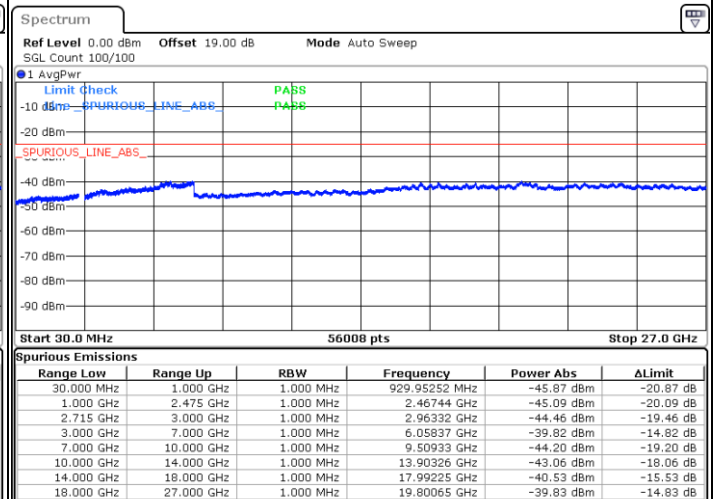
Date: 28.FEB.2022 16:33:45

Highest Channel / QPSK



Date: 28.FEB.2022 16:35:07

Highest Channel / 16QAM

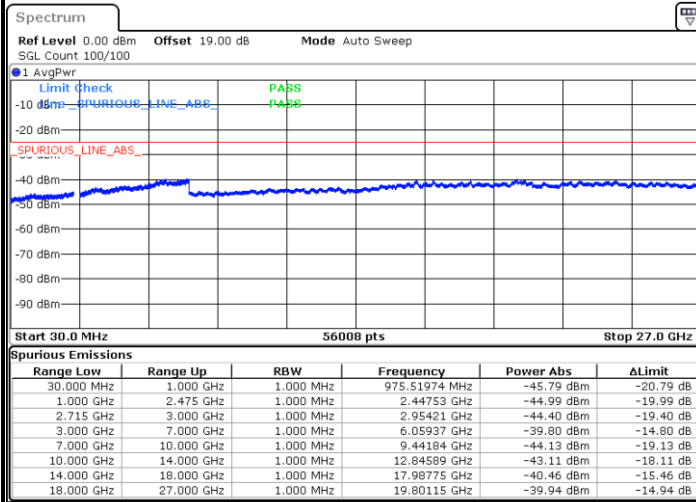


Date: 28.FEB.2022 16:36:30



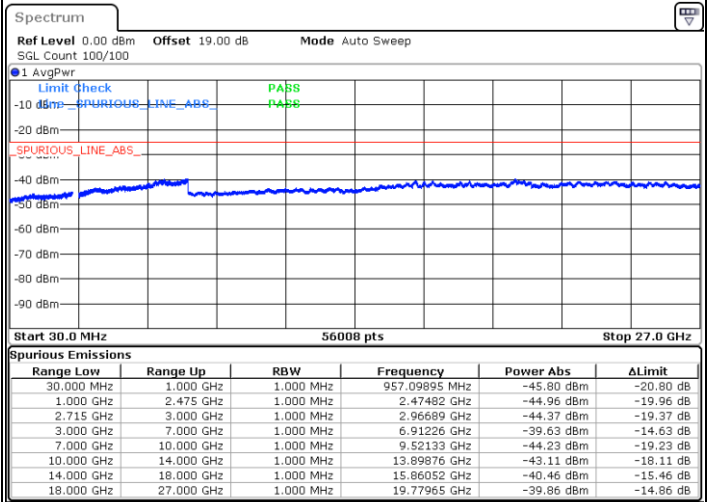
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



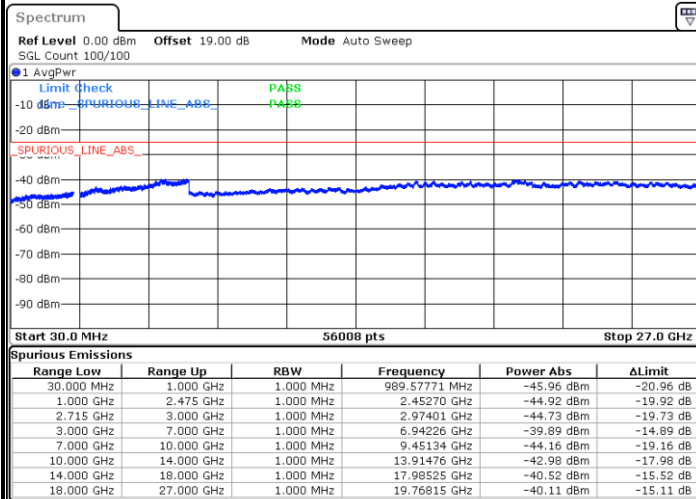
Date: 28.FEB.2022 17:13:31

Middle Channel / 64QAM



Date: 28.FEB.2022 17:14:54

Highest Channel / 64QAM

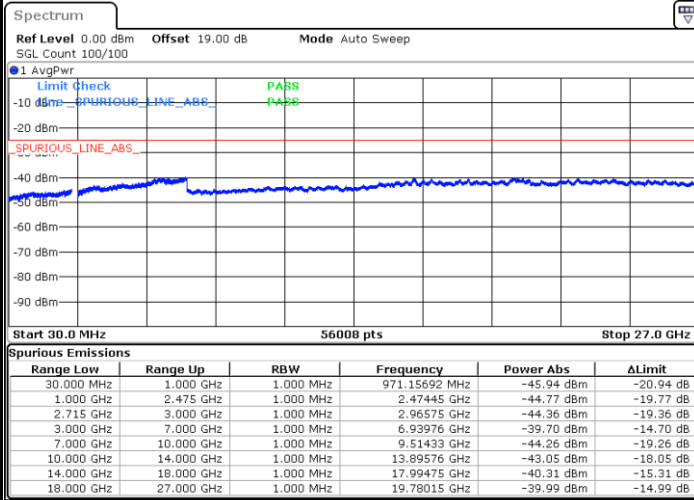


Date: 28.FEB.2022 17:16:16



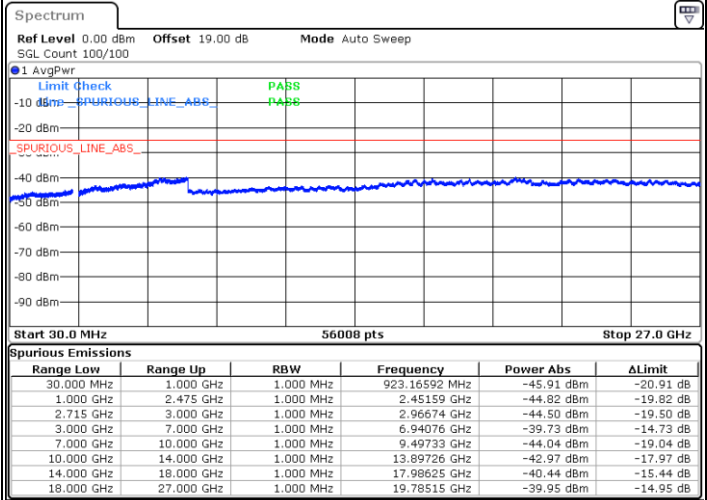
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



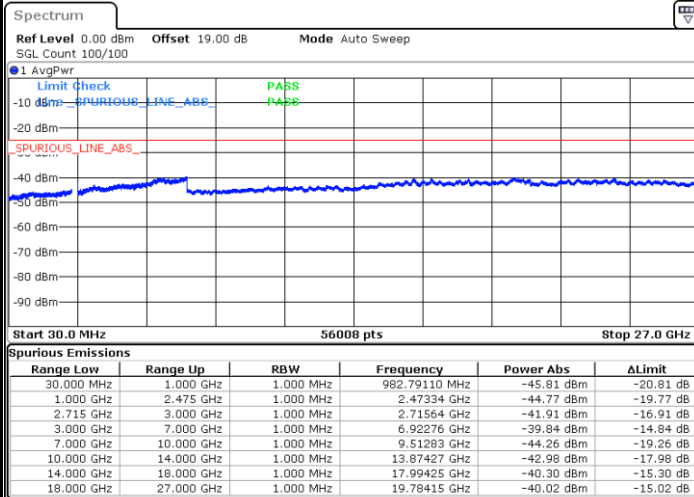
Date: 28.FEB.2022 17:17:39

Middle Channel / 64QAM



Date: 28.FEB.2022 17:19:02

Highest Channel / 64QAM

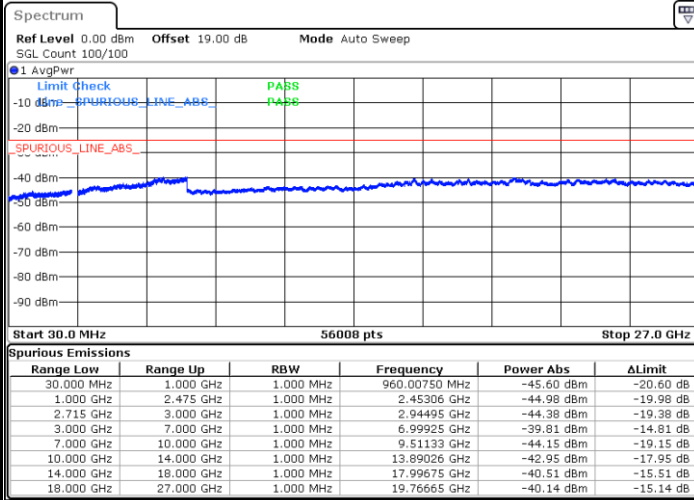


Date: 28.FEB.2022 17:20:25



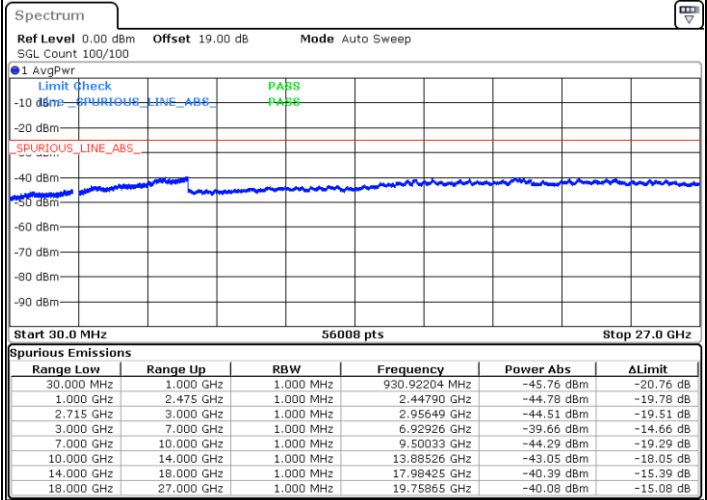
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



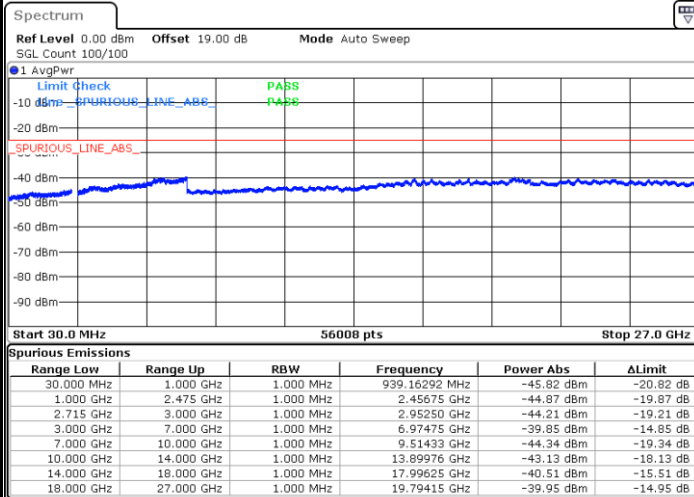
Date: 28.FEB.2022 17:21:48

Middle Channel / 64QAM



Date: 28.FEB.2022 17:23:11

Highest Channel / 64QAM

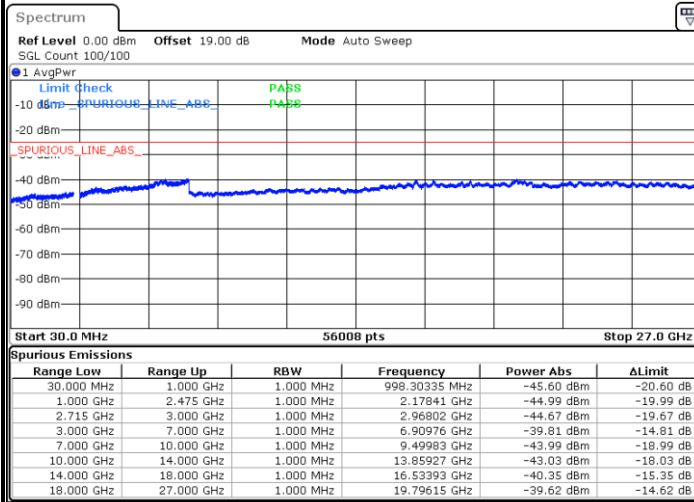


Date: 28.FEB.2022 17:24:33



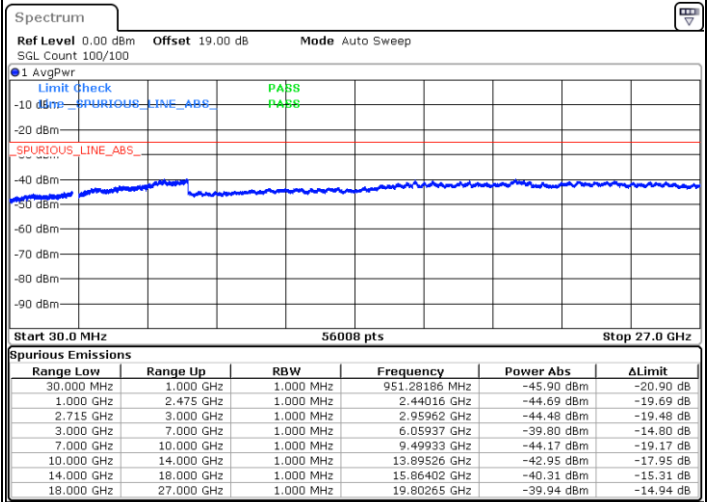
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



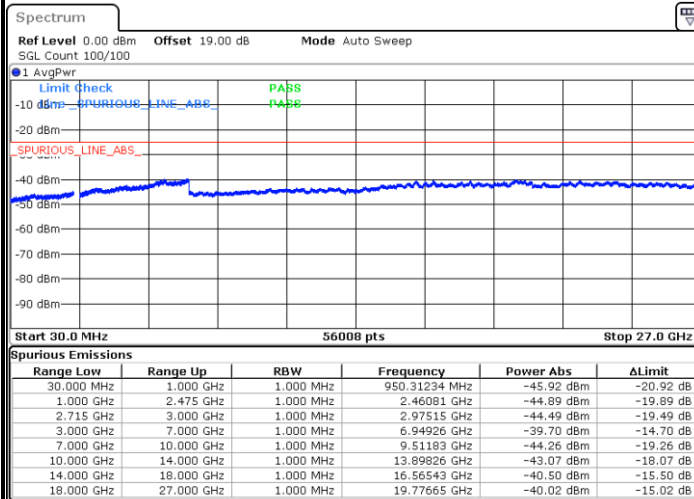
Date: 28.FEB.2022 17:25:56

Middle Channel / 64QAM



Date: 28.FEB.2022 17:27:18

Highest Channel / 64QAM



Date: 28.FEB.2022 17:28:41

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	0.0008	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.83	25.23	30.15	25.18	30.63
Middle CH	24.78	25.28	30.03	25.38	30.57
Highest CH	24.98	25.18	29.97	25.23	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.93	29.91	34.97	39.88
Middle CH	34.90	24.93	30.03	34.97	39.88
Highest CH	35.04	24.88	29.91	34.90	39.80

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.88	25.18	29.97	25.23	30.63
Middle CH	24.83	25.23	29.97	25.23	30.57
Highest CH	24.88	25.38	29.85	25.38	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.73	30.15	34.97	39.96
Middle CH	34.90	24.88	30.03	34.90	39.88
Highest CH	34.97	24.83	30.09	35.25	39.80

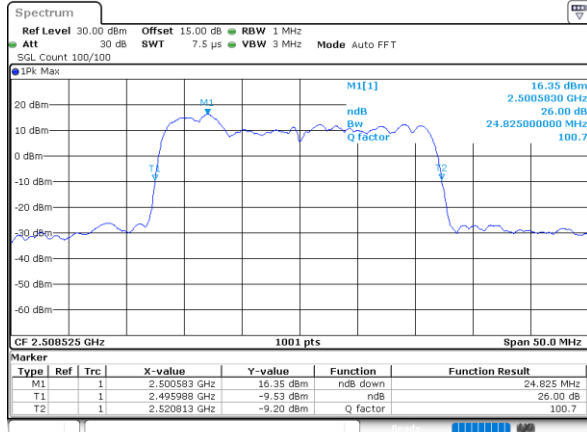
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.93	25.18	29.97	25.28	30.75
Middle CH	24.73	25.33	29.97	25.28	30.63
Highest CH	24.88	25.18	29.91	25.33	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.68	29.91	34.90	39.88
Middle CH	34.90	24.83	29.91	35.04	39.88
Highest CH	34.97	24.78	29.97	35.04	39.80



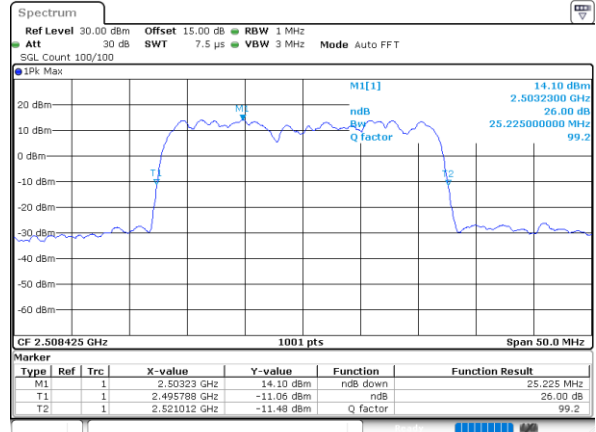
LTE Band 41C

QPSK

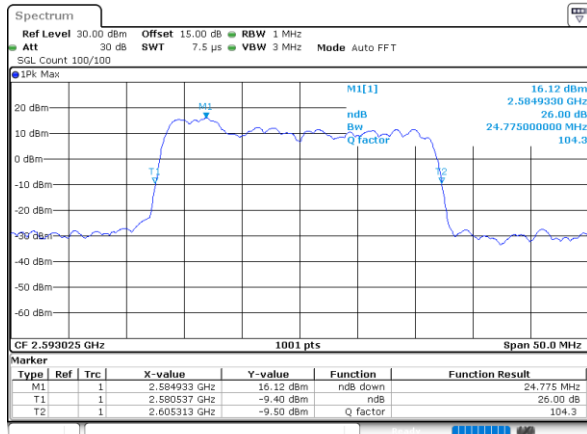
Lowest Channel / 5MHz+20MHz



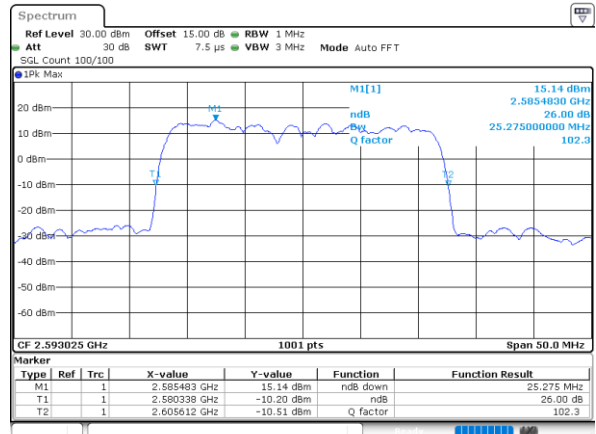
Lowest Channel / 10MHz+15MHz



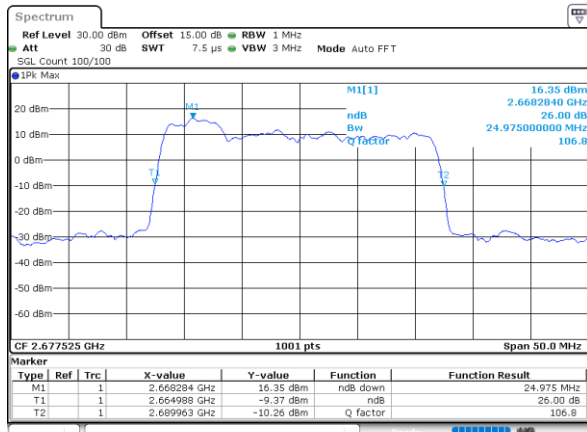
Middle Channel / 5MHz+20MHz



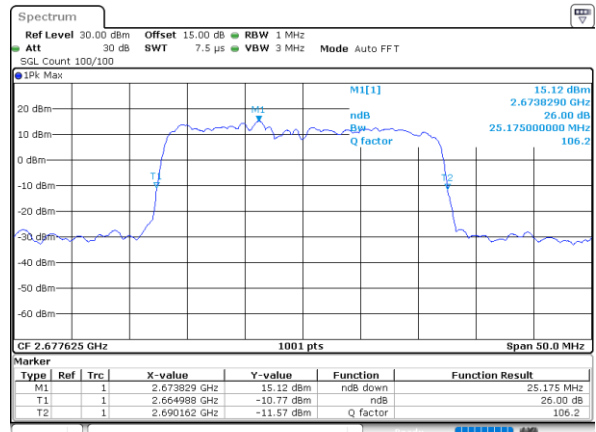
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

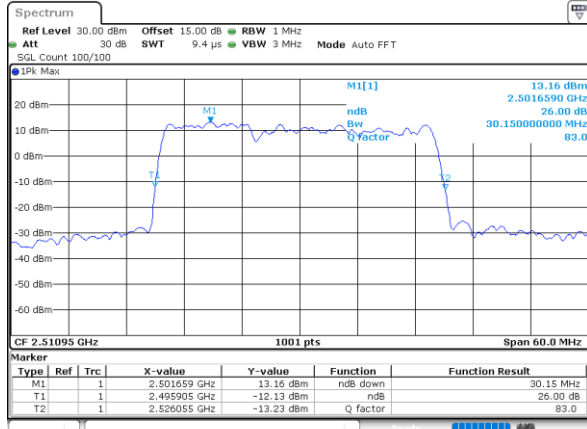




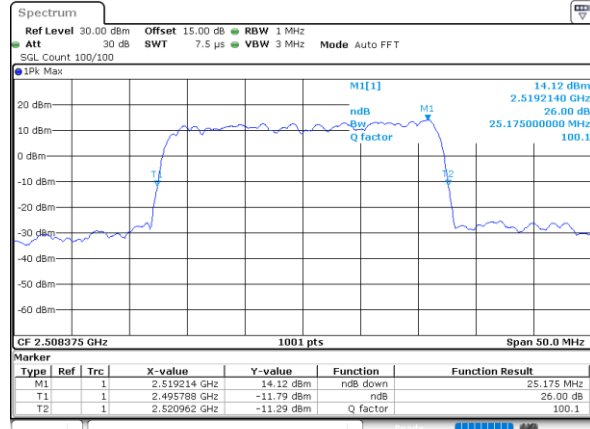
LTE Band 41C

QPSK

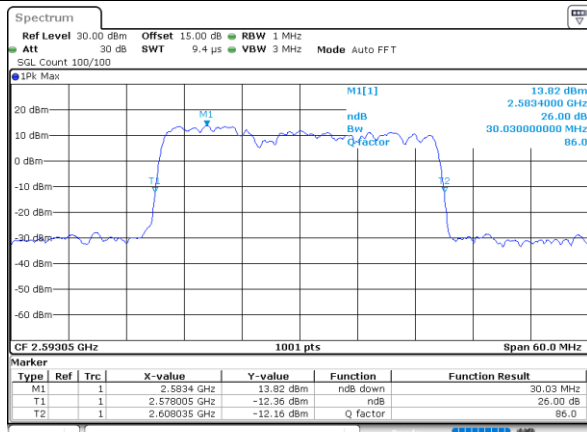
Lowest Channel / 10MHz+20MHz



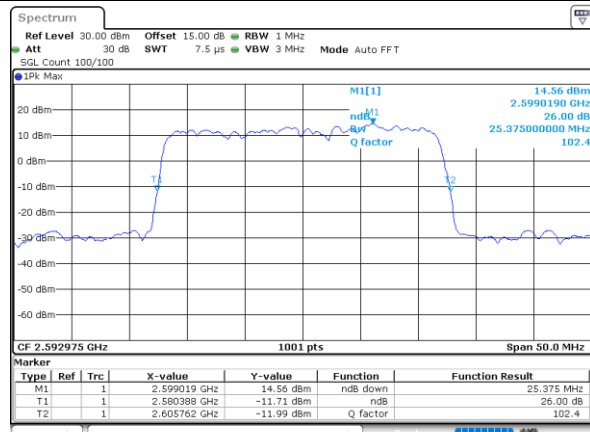
Lowest Channel / 15MHz+10MHz



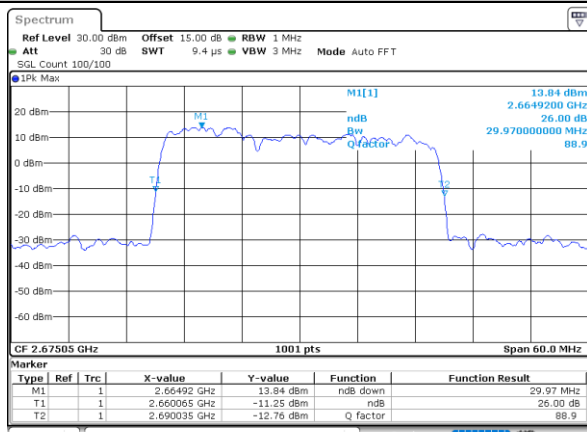
Middle Channel / 10MHz+20MHz



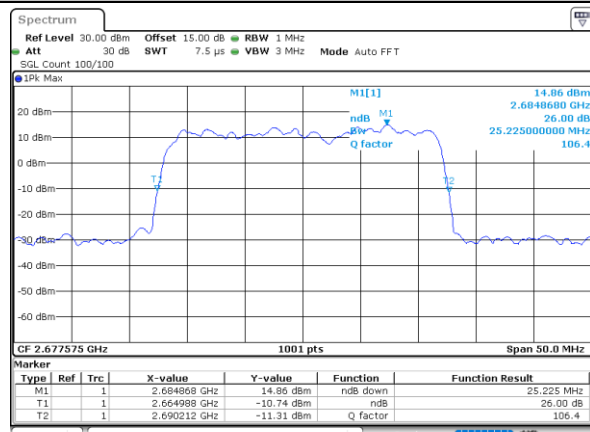
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

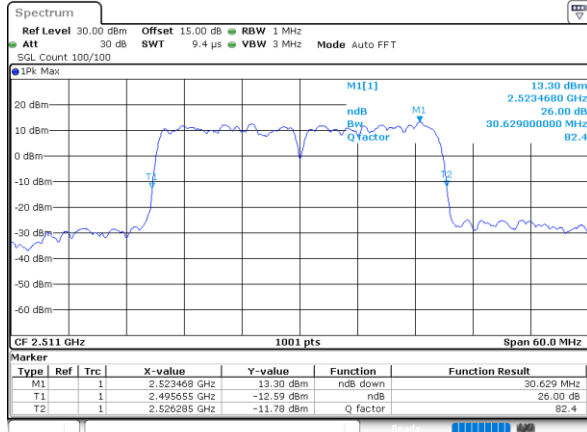




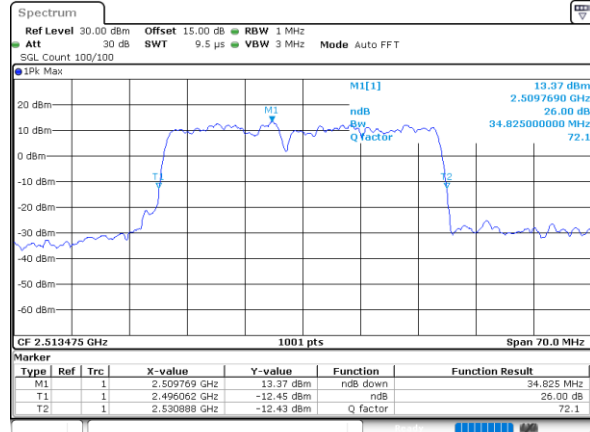
LTE Band 41C

QPSK

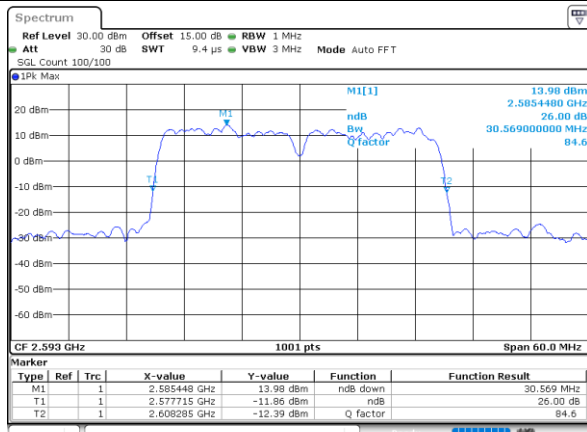
Lowest Channel / 15MHz+15MHz



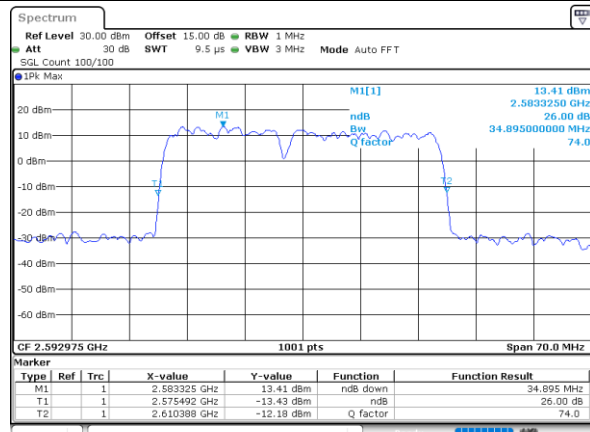
Lowest Channel / 15MHz+20MHz



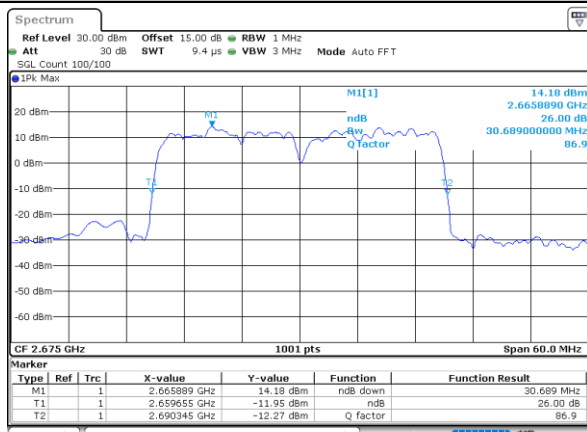
Middle Channel / 15MHz+15MHz



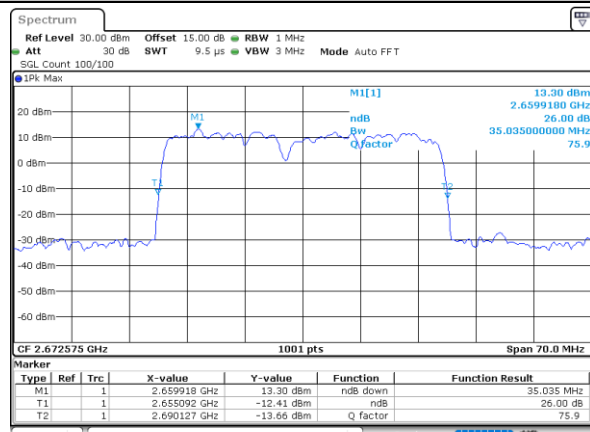
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

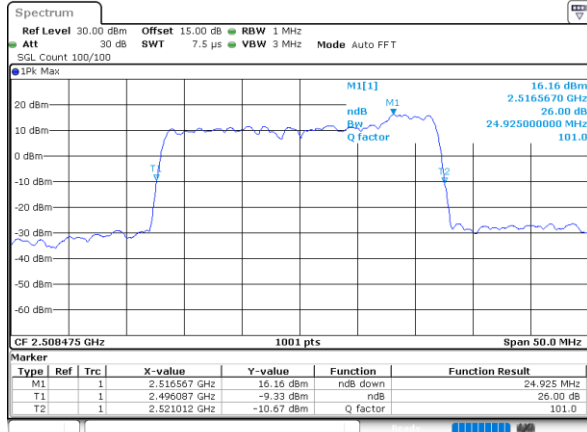




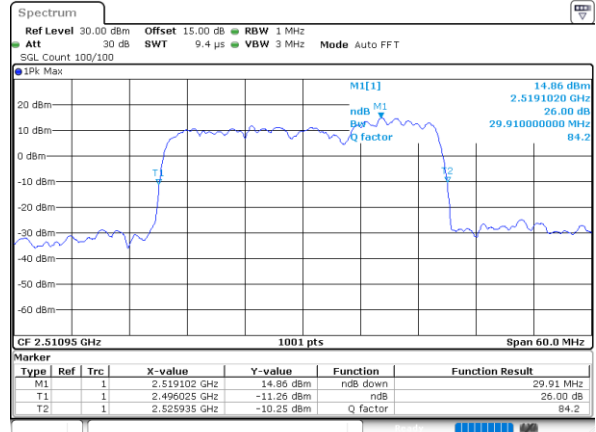
LTE Band 41C

QPSK

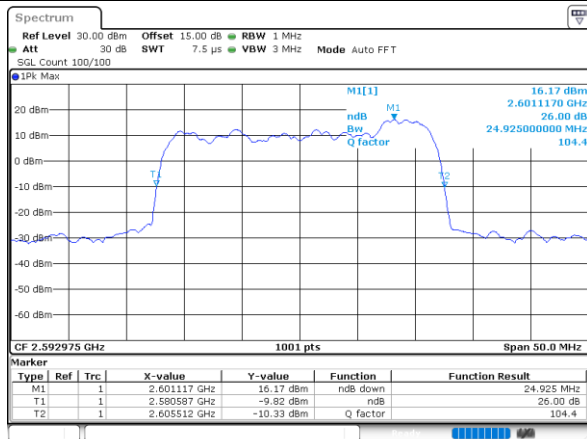
Lowest Channel / 20MHz+5MHz



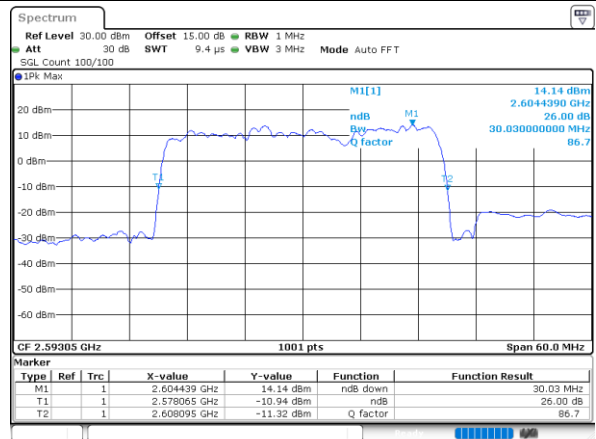
Lowest Channel / 20MHz+10MHz



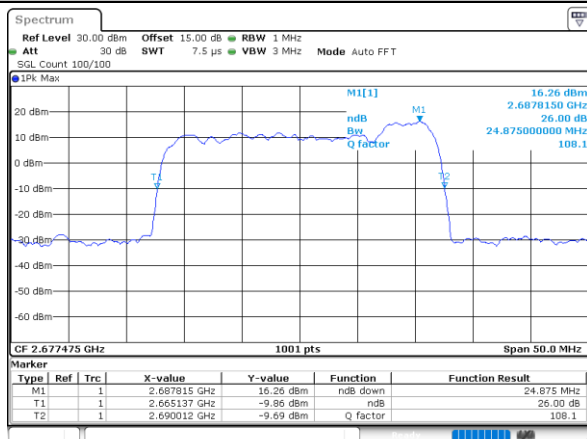
Middle Channel / 20MHz+5MHz



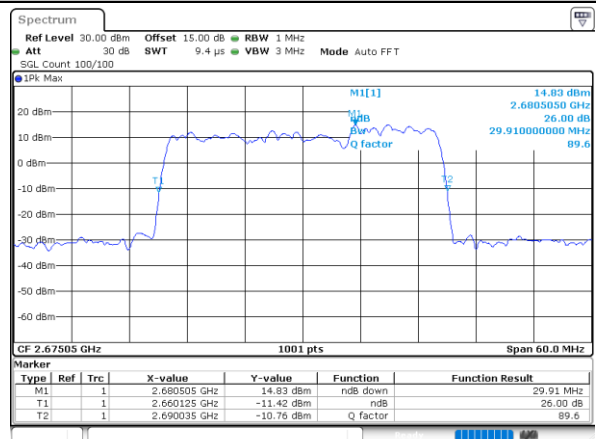
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

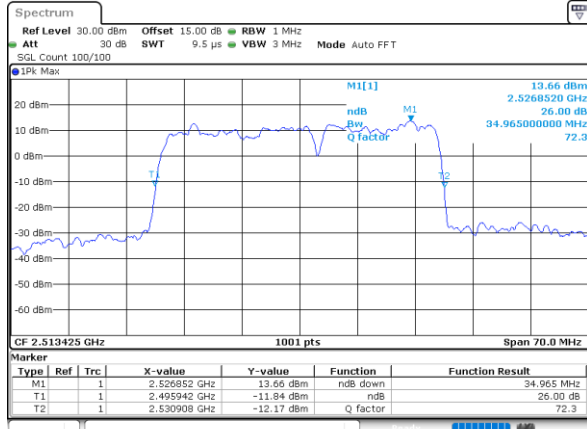




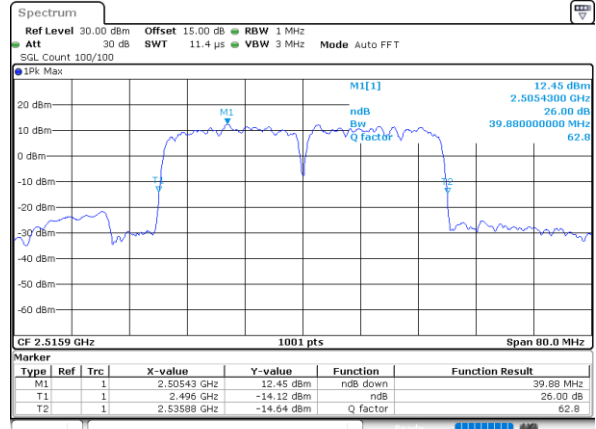
LTE Band 41C

QPSK

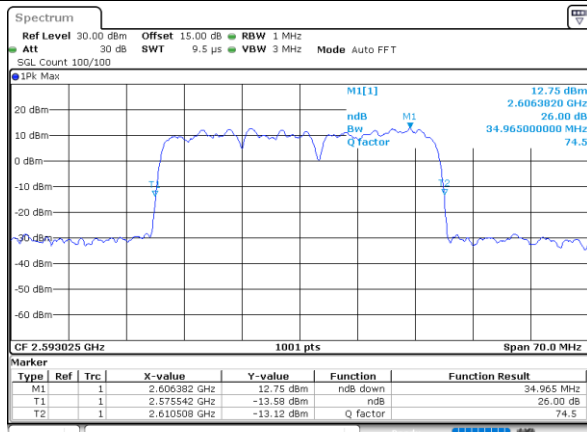
Lowest Channel / 20MHz+15MHz



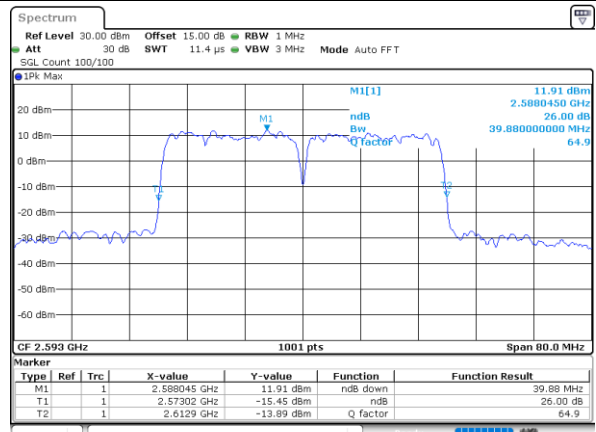
Lowest Channel / 20MHz+20MHz



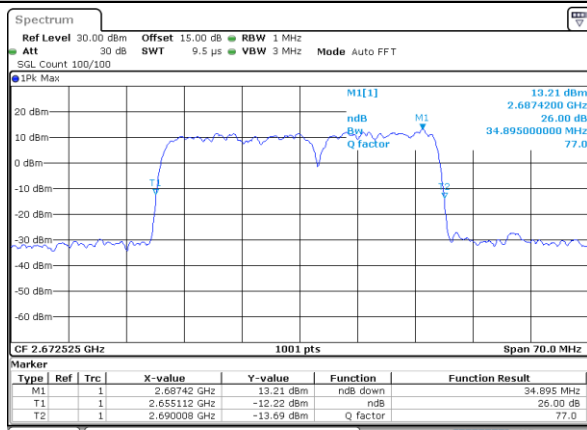
Middle Channel / 20MHz+15MHz



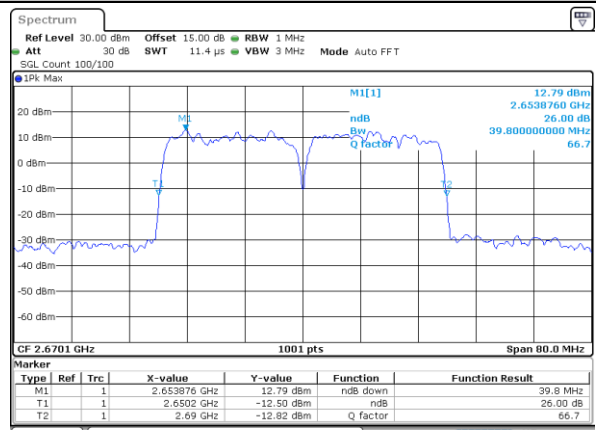
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

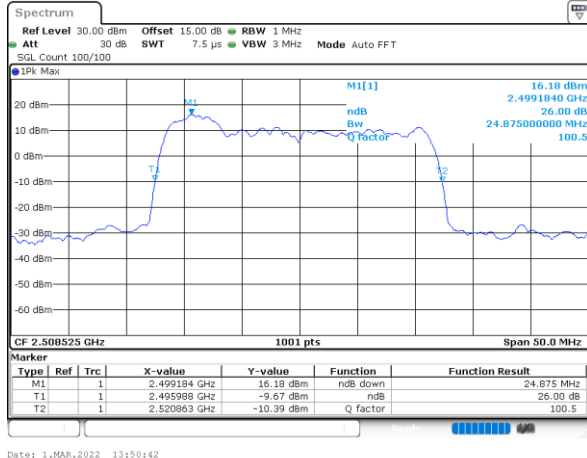




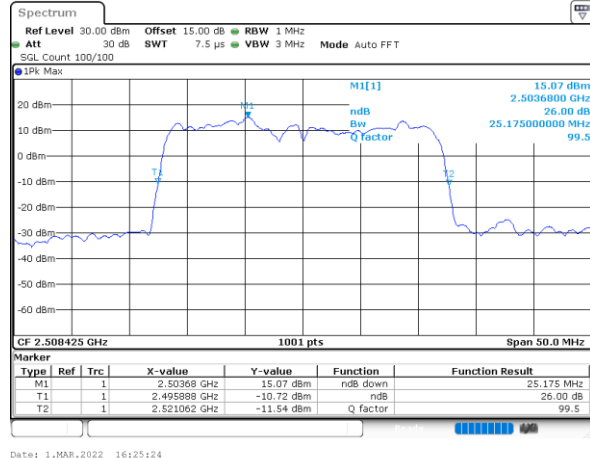
LTE Band 41C

16QAM

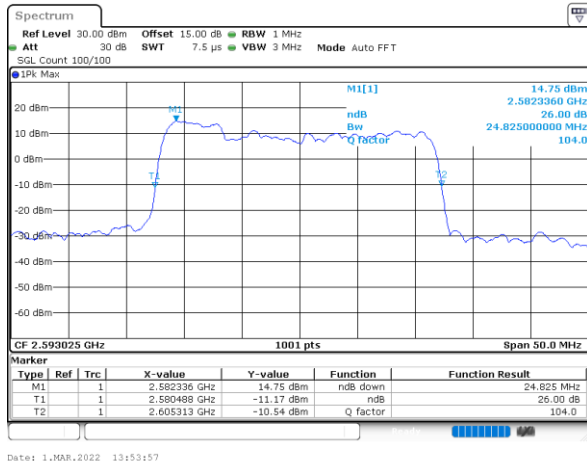
Lowest Channel / 5MHz+20MHz



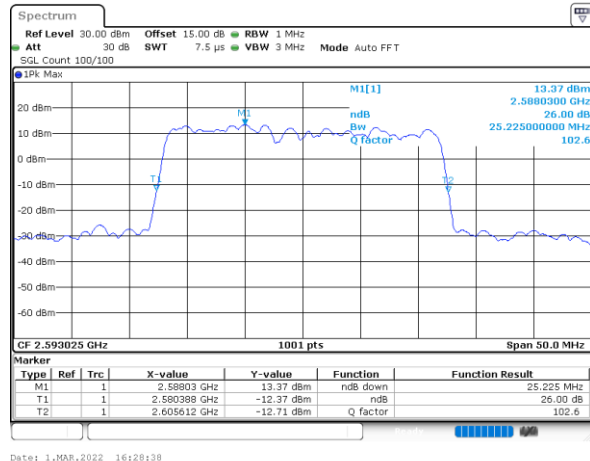
Lowest Channel / 10MHz+15MHz



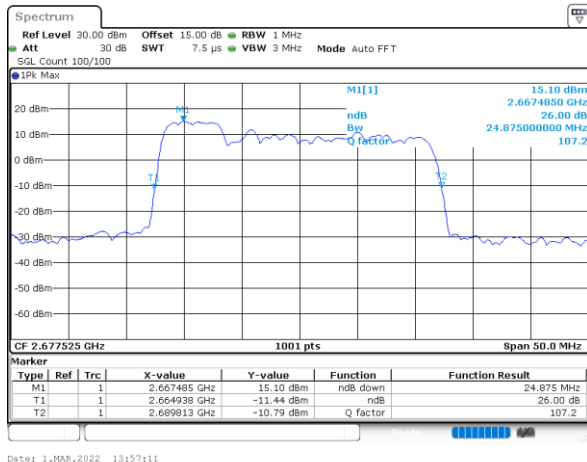
Middle Channel / 5MHz+20MHz



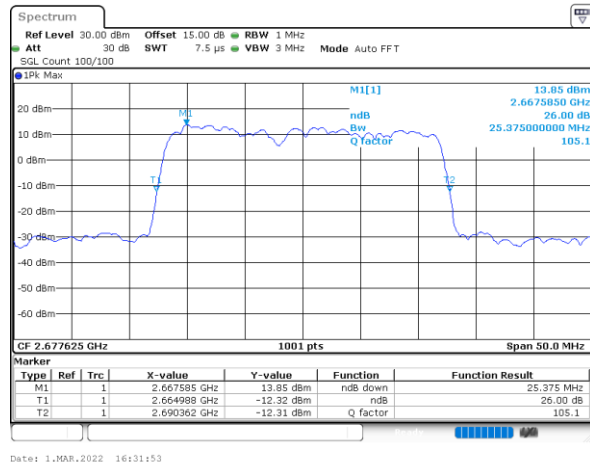
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

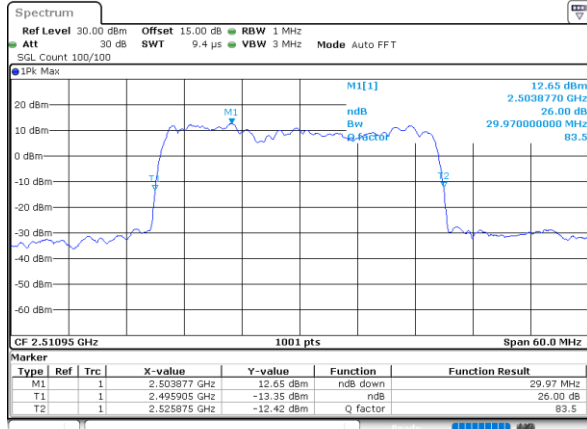




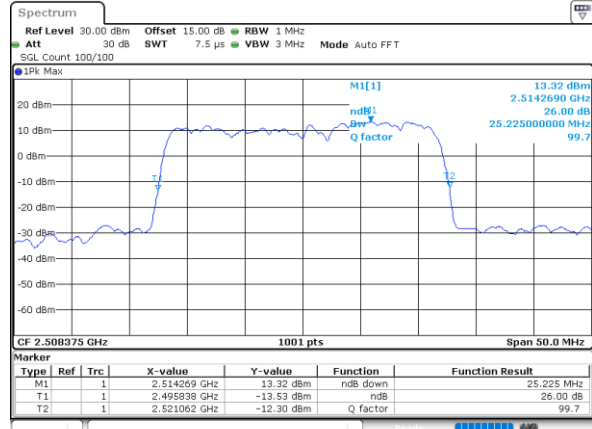
LTE Band 41C

16QAM

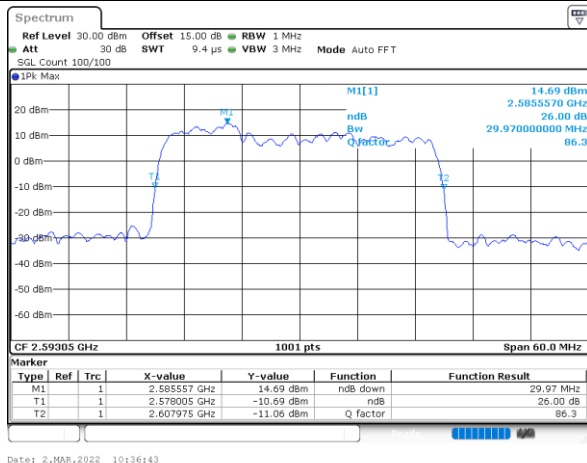
Lowest Channel / 10MHz+20MHz



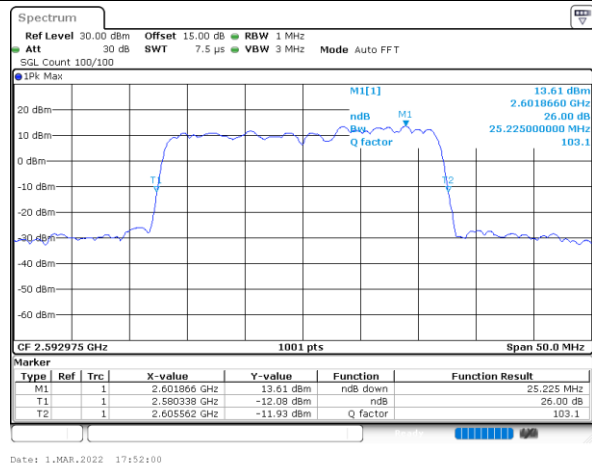
Lowest Channel / 15MHz+10MHz



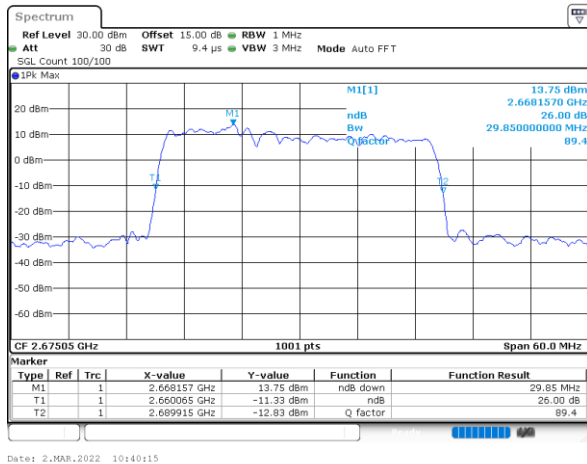
Middle Channel / 10MHz+20MHz



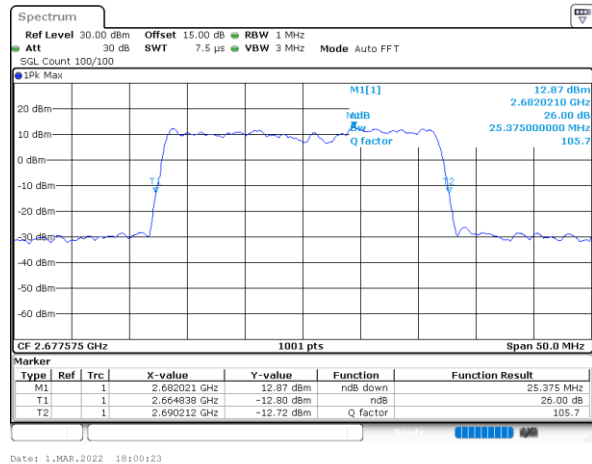
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

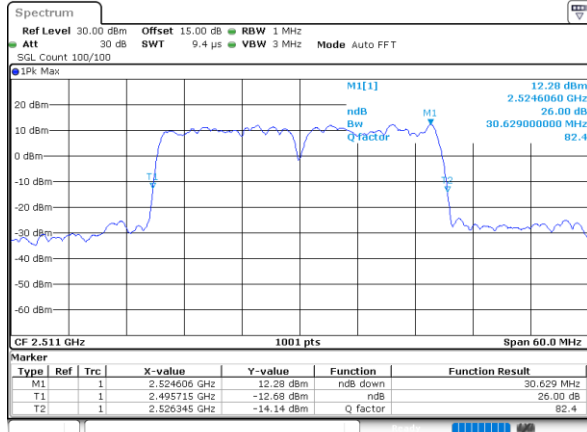




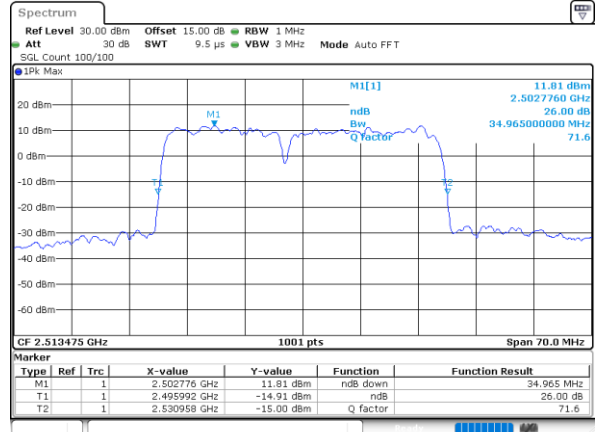
LTE Band 41C

16QAM

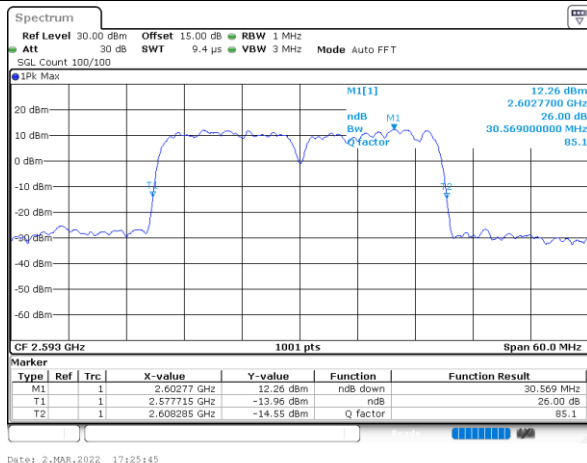
Lowest Channel / 15MHz+15MHz



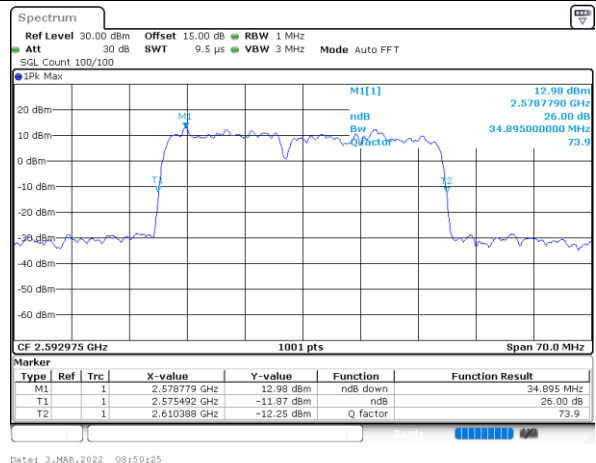
Lowest Channel / 15MHz+20MHz



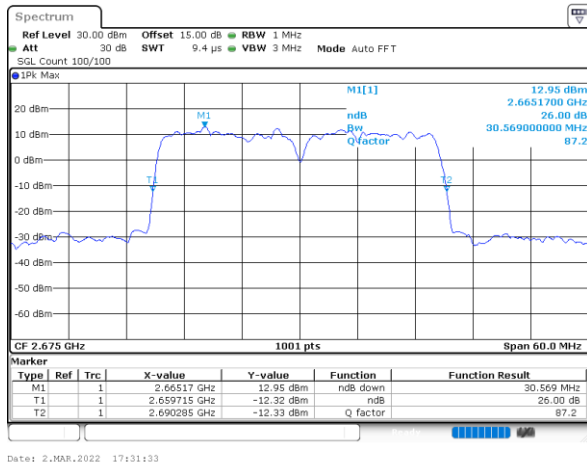
Middle Channel / 15MHz+15MHz



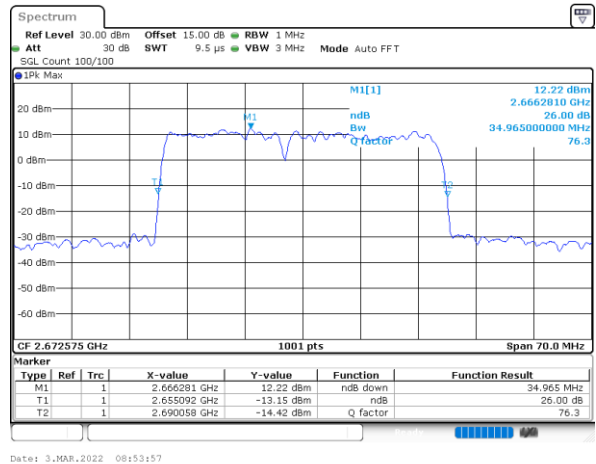
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

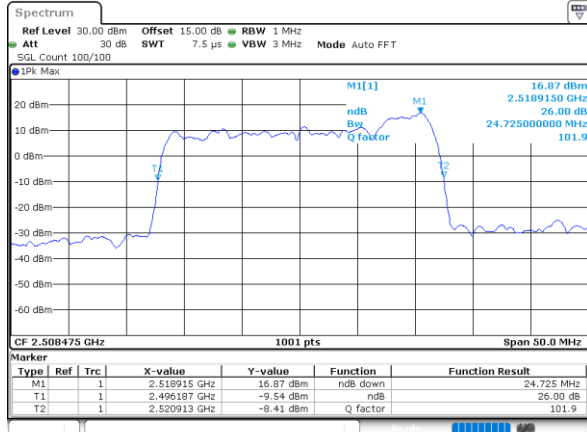




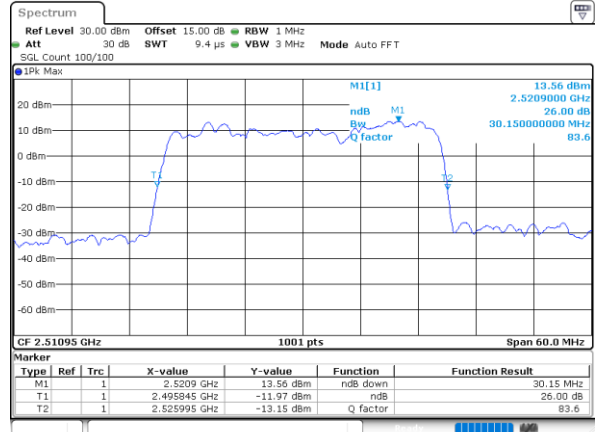
LTE Band 41C

16QAM

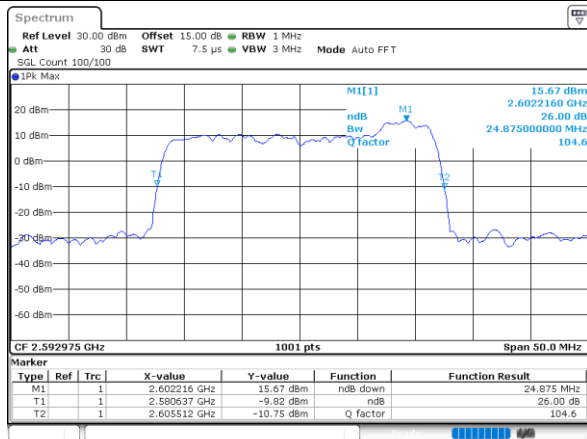
Lowest Channel / 20MHz+5MHz



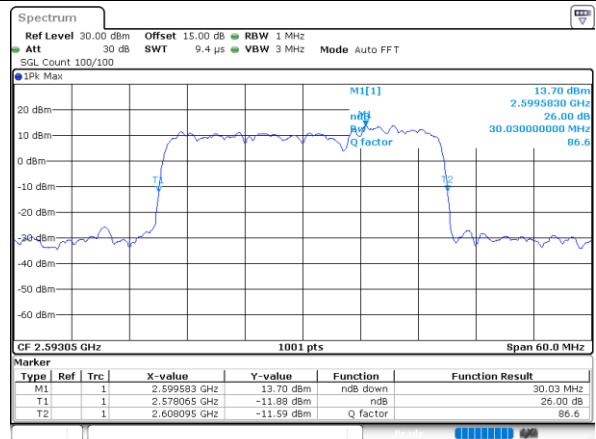
Lowest Channel / 20MHz+10MHz



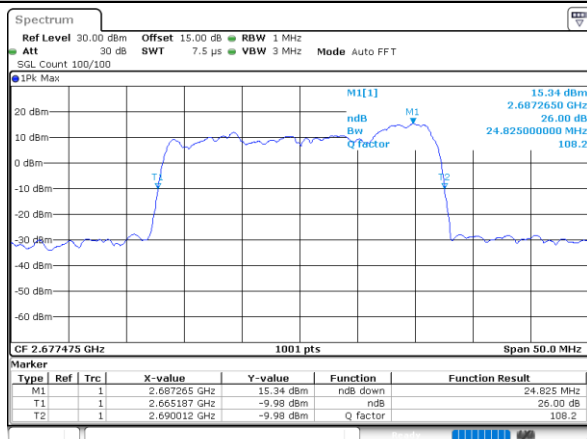
Middle Channel / 20MHz+5MHz



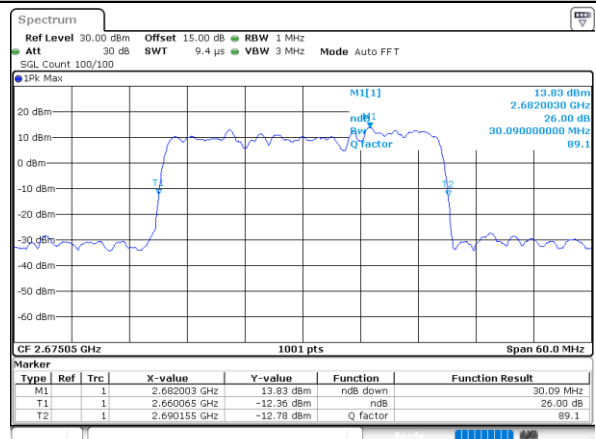
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

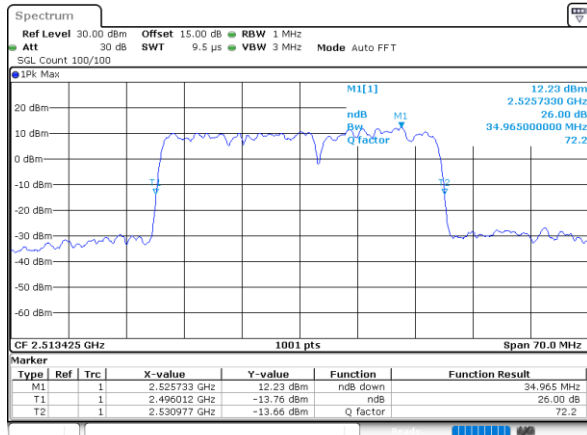




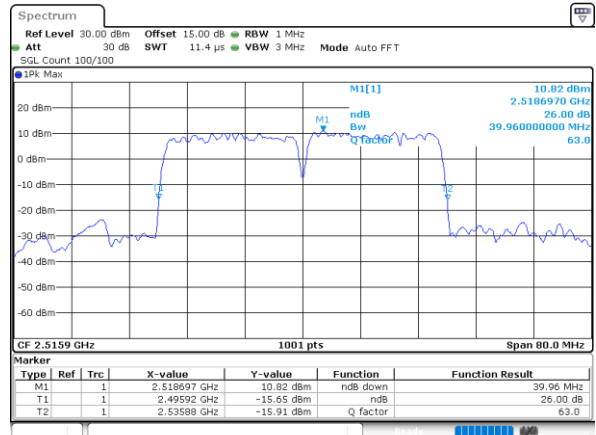
LTE Band 41C

16QAM

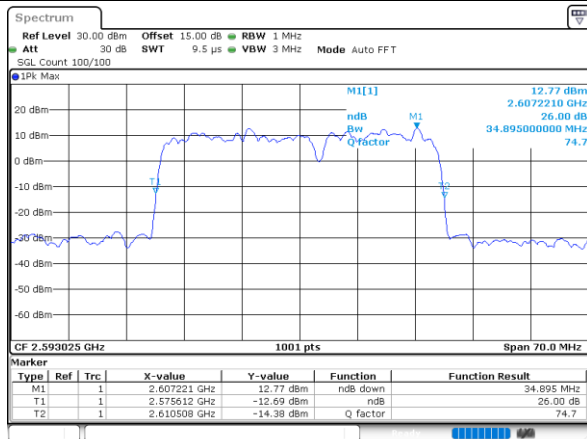
Lowest Channel / 20MHz+15MHz



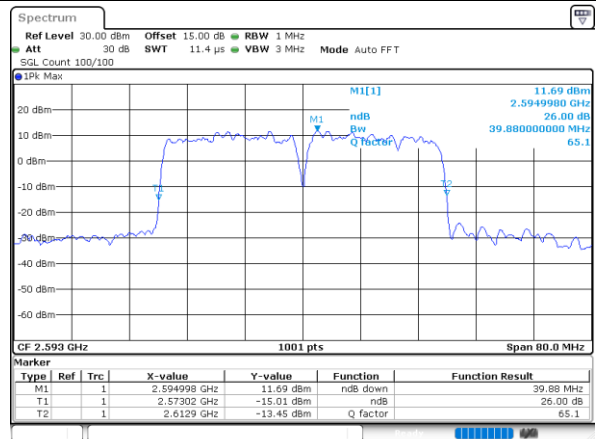
Lowest Channel / 20MHz+20MHz



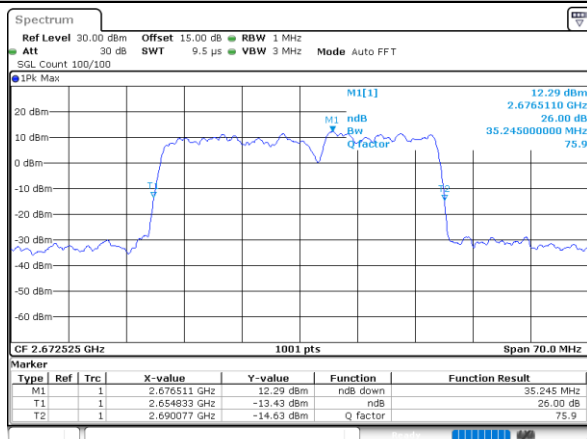
Middle Channel / 20MHz+15MHz



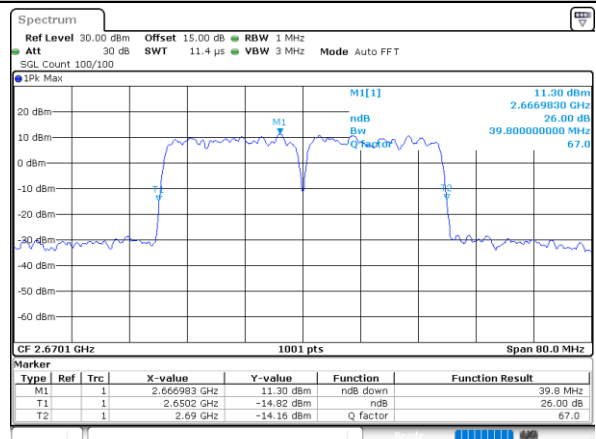
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

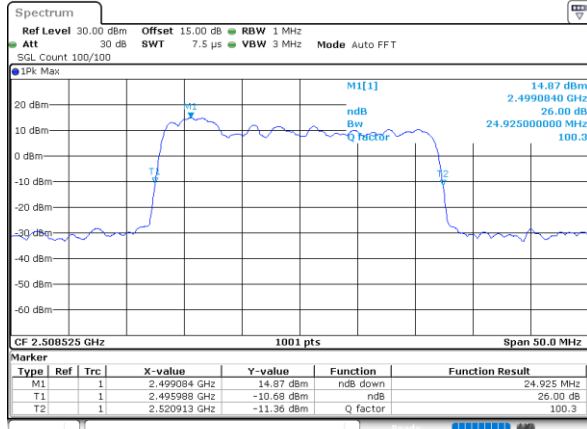




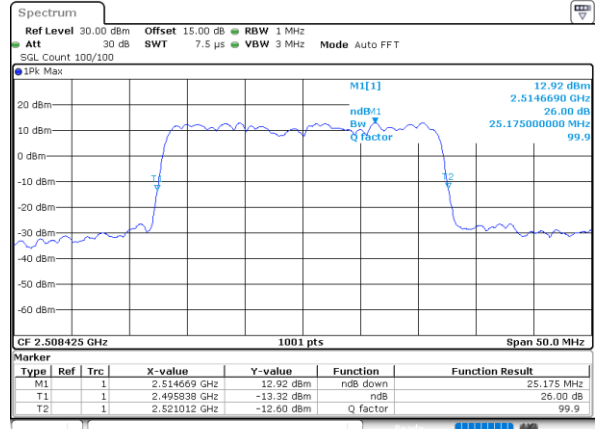
LTE Band 41C

64QAM

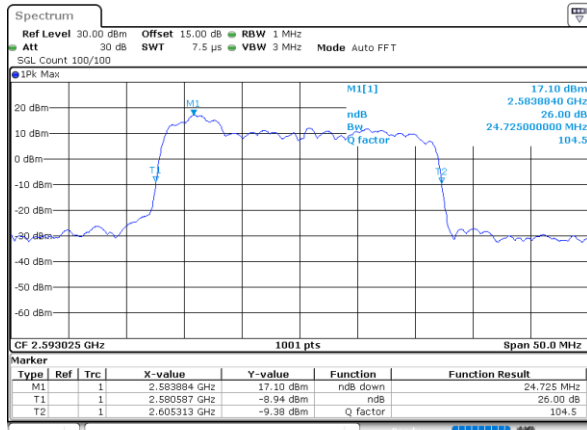
Lowest Channel / 5MHz+20MHz



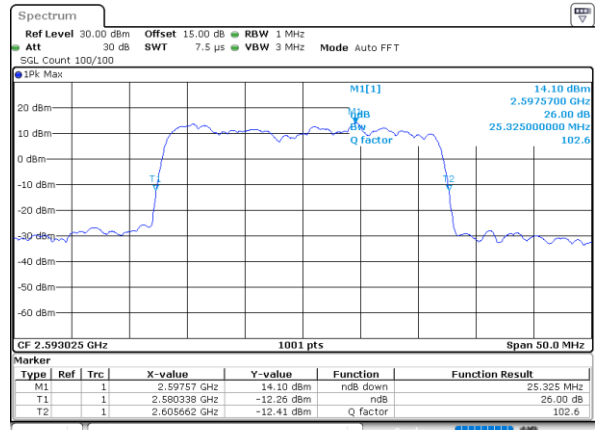
Lowest Channel / 10MHz+15MHz



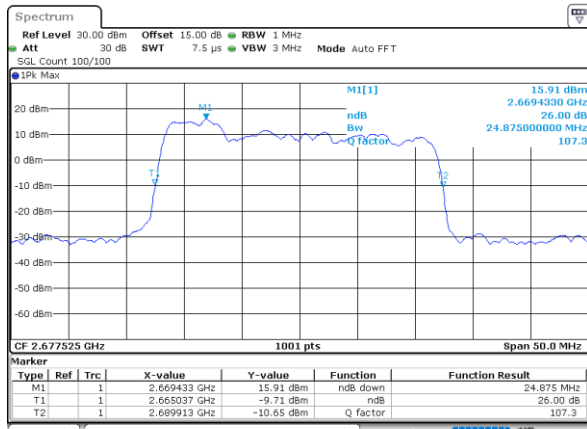
Middle Channel / 5MHz+20MHz



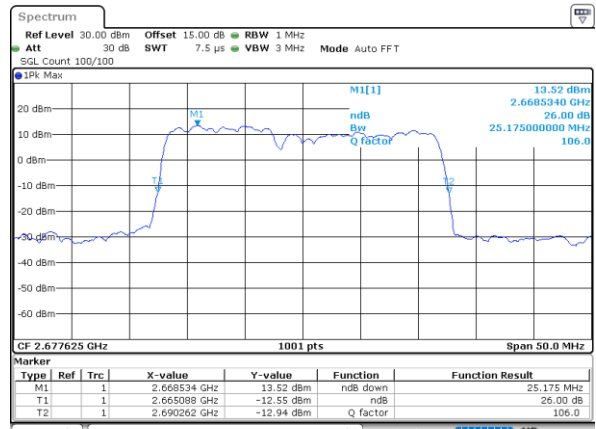
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

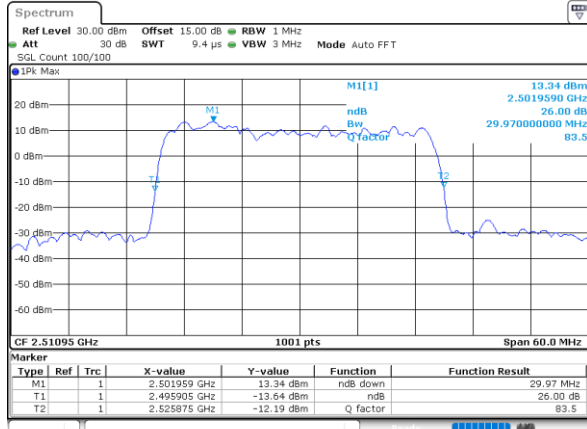




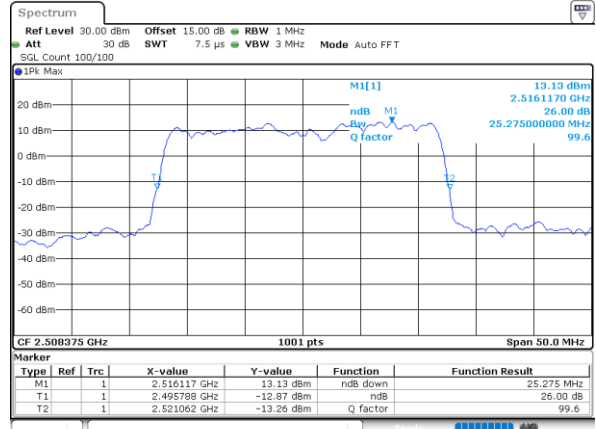
LTE Band 41C

64QAM

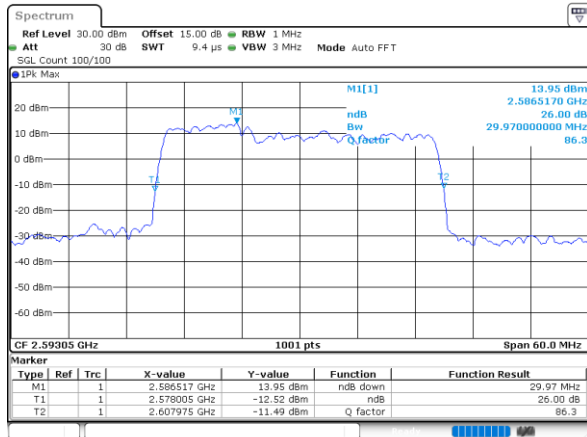
Lowest Channel / 10MHz+20MHz



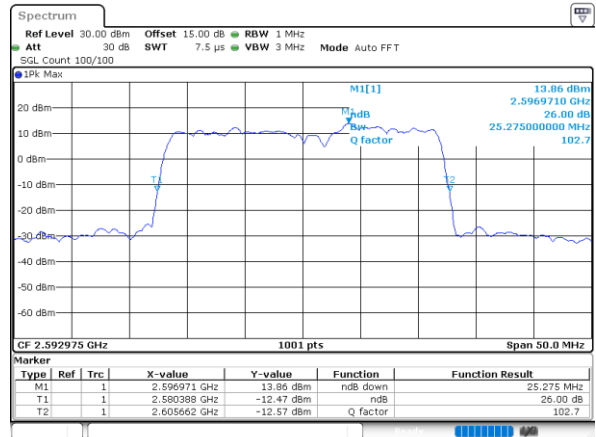
Lowest Channel / 15MHz+10MHz



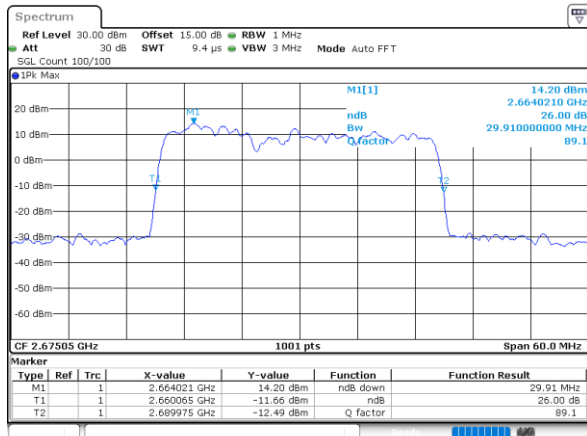
Middle Channel / 10MHz+20MHz



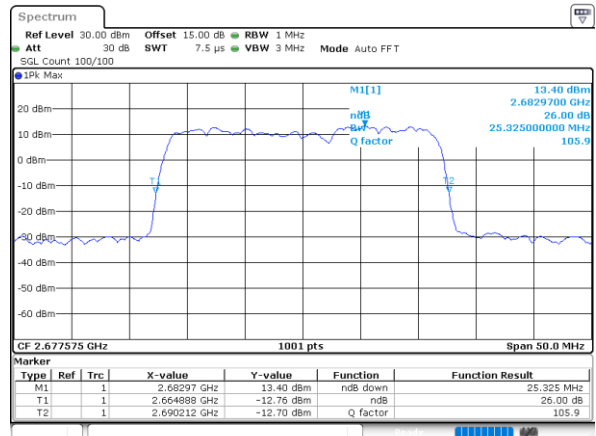
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

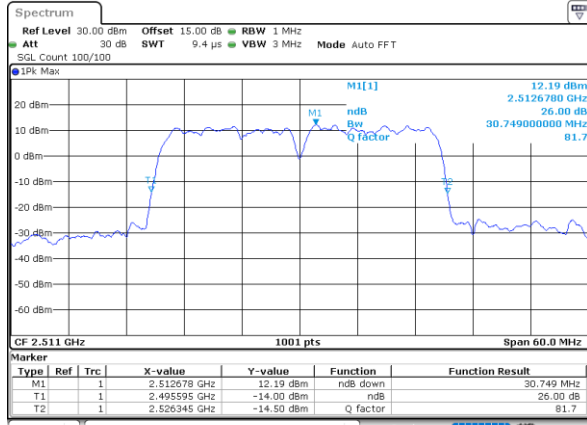




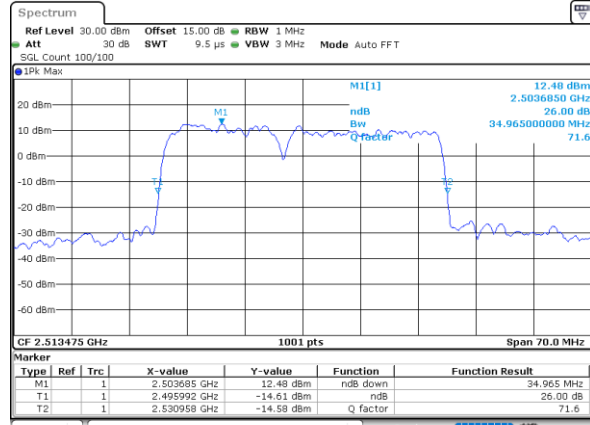
LTE Band 41C

64QAM

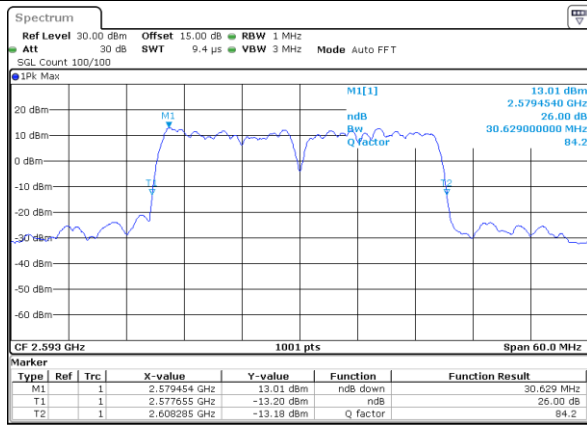
Lowest Channel / 15MHz+15MHz



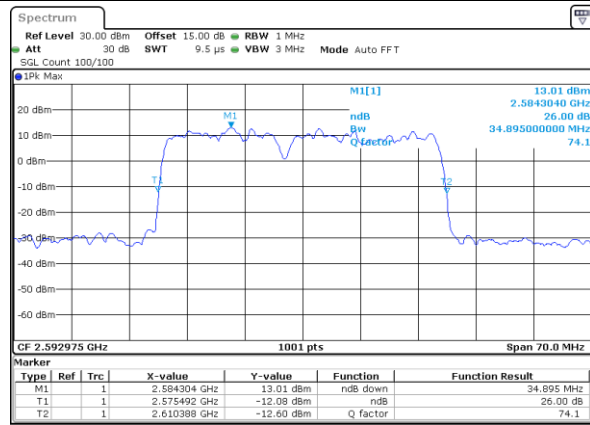
Lowest Channel / 15MHz+20MHz



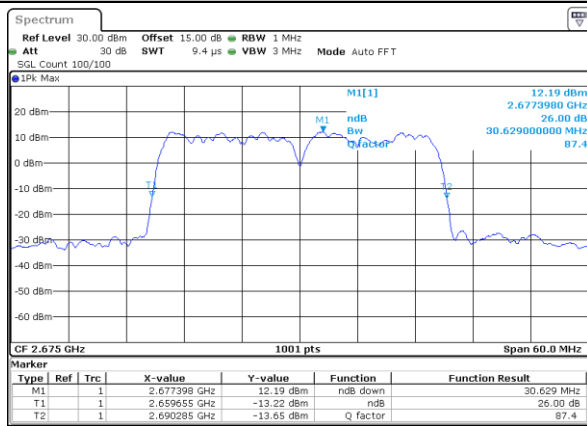
Middle Channel / 15MHz+15MHz



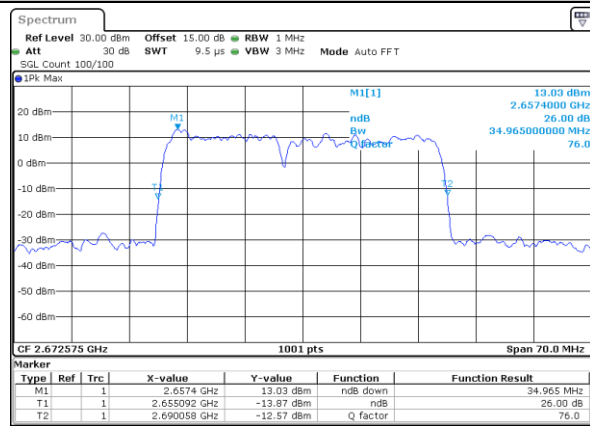
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

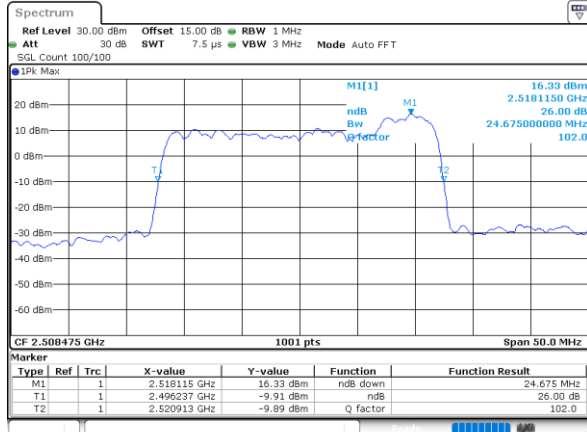




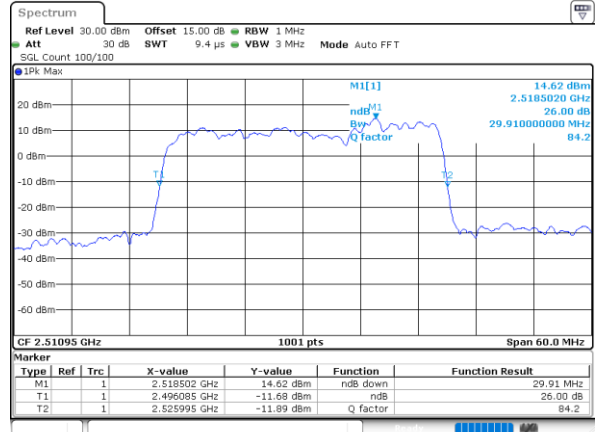
LTE Band 41C

64QAM

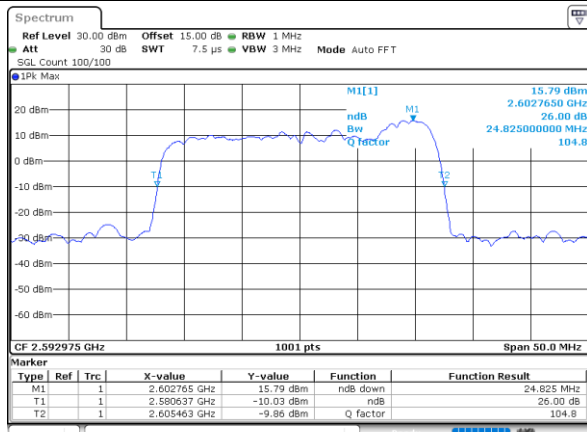
Lowest Channel / 20MHz+5MHz



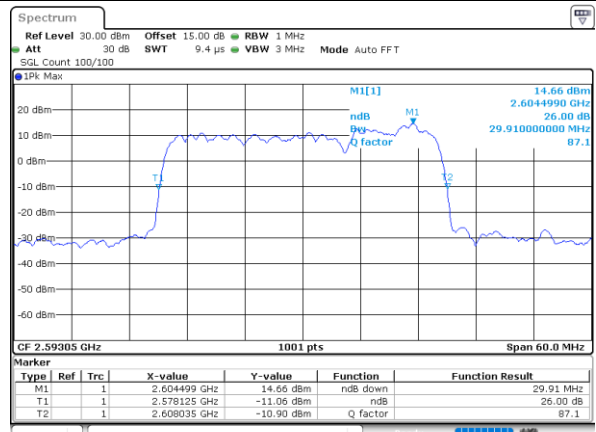
Lowest Channel / 20MHz+10MHz



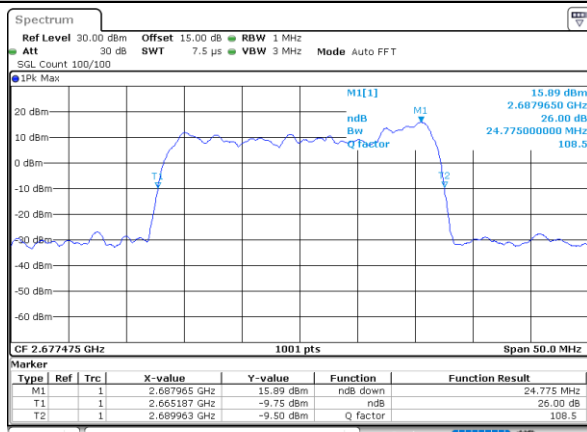
Middle Channel / 20MHz+5MHz



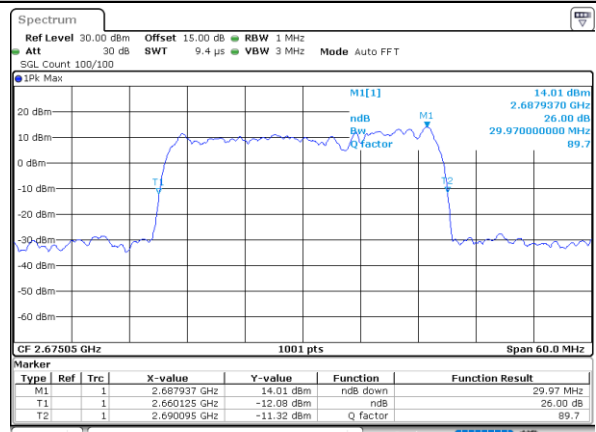
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

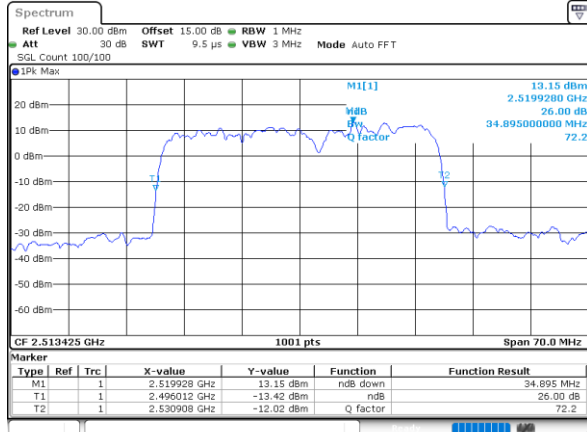




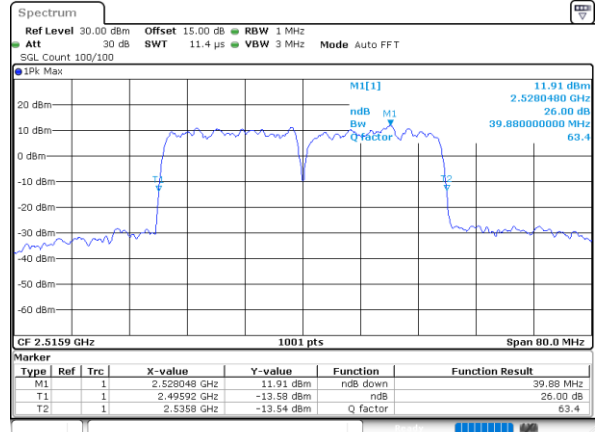
LTE Band 41C

64QAM

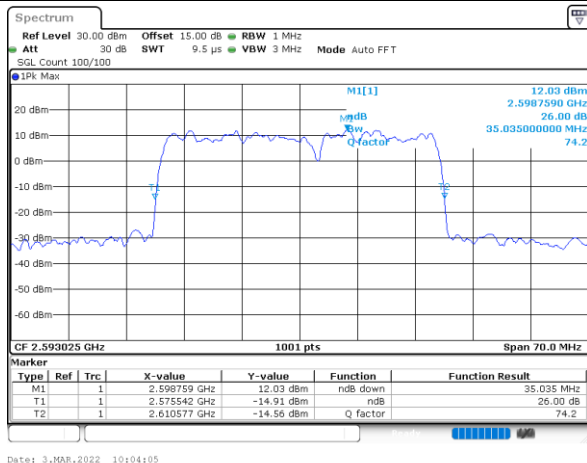
Lowest Channel / 20MHz+15MHz



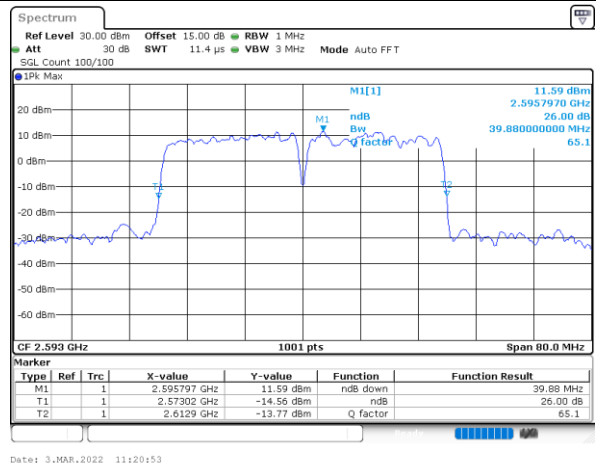
Lowest Channel / 20MHz+20MHz



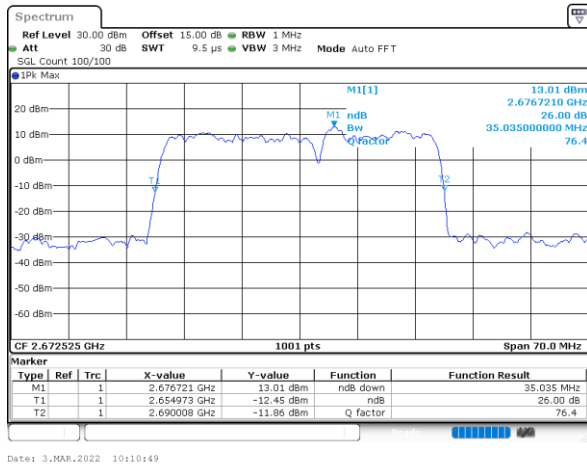
Middle Channel / 20MHz+15MHz



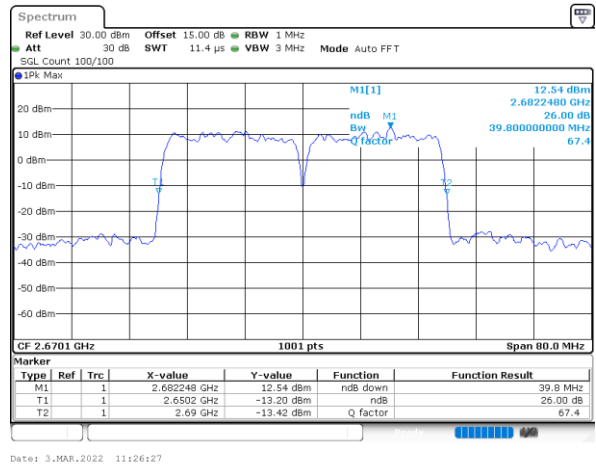
Middle Channel / 20MHz+20MHz



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	23.48	23.48	27.69	23.48	28.53
Middle CH	23.33	23.48	27.81	23.48	28.47
Highest CH	23.23	23.38	27.87	23.63	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	23.28	28.05	32.73	37.48
Middle CH	32.80	23.43	28.05	32.80	37.64
Highest CH	32.80	23.23	27.93	33.08	37.72

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.38	23.63	27.93	23.58	28.23
Middle CH	23.28	23.33	28.23	23.43	28.59
Highest CH	23.03	23.43	27.87	23.53	28.71
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.08	28.11	32.87	37.72
Middle CH	33.08	23.08	27.93	32.87	37.56
Highest CH	32.73	23.23	27.93	33.01	37.56

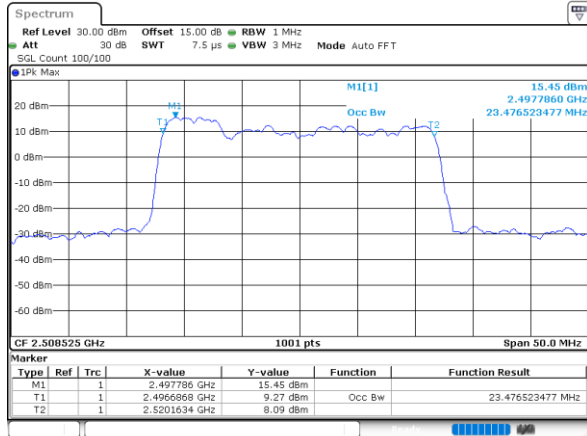
Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.38	23.33	28.05	23.28	28.71
Middle CH	23.28	23.33	27.99	23.28	28.65
Highest CH	23.38	23.28	28.11	23.28	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	22.98	27.75	32.94	37.56
Middle CH	32.94	23.08	28.05	32.73	37.56
Highest CH	32.66	23.18	27.81	32.59	37.56



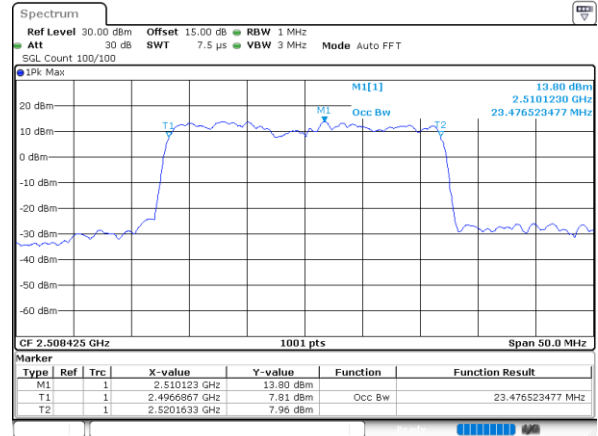
LTE Band 41C

QPSK

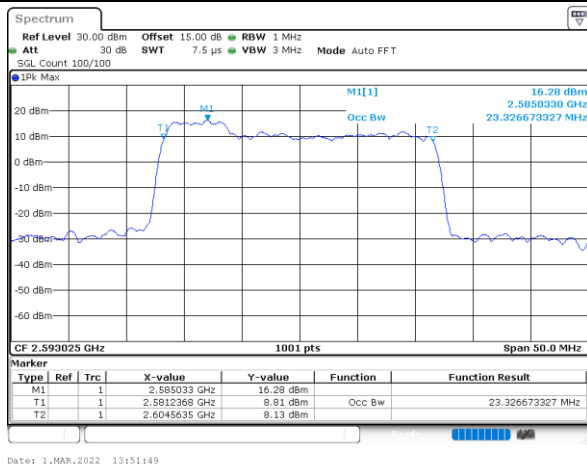
Lowest Channel / 5MHz+20MHz



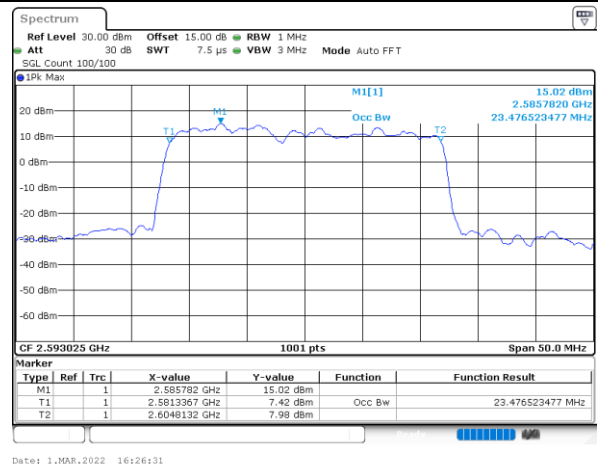
Lowest Channel / 10MHz+15MHz



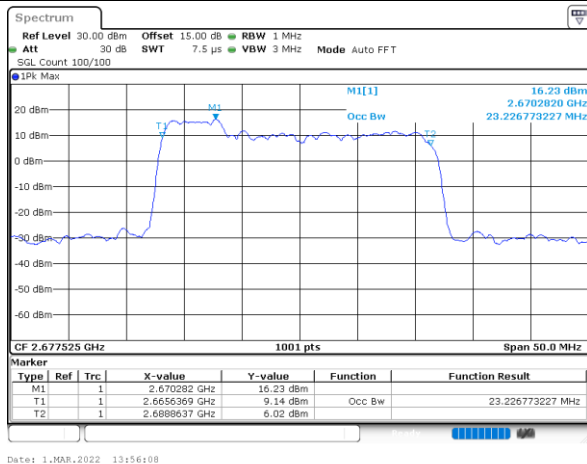
Middle Channel / 5MHz+20MHz



Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

