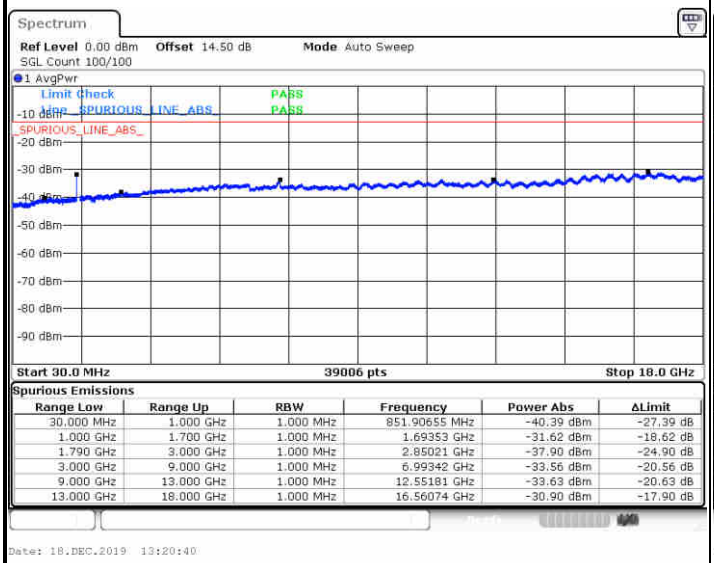
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

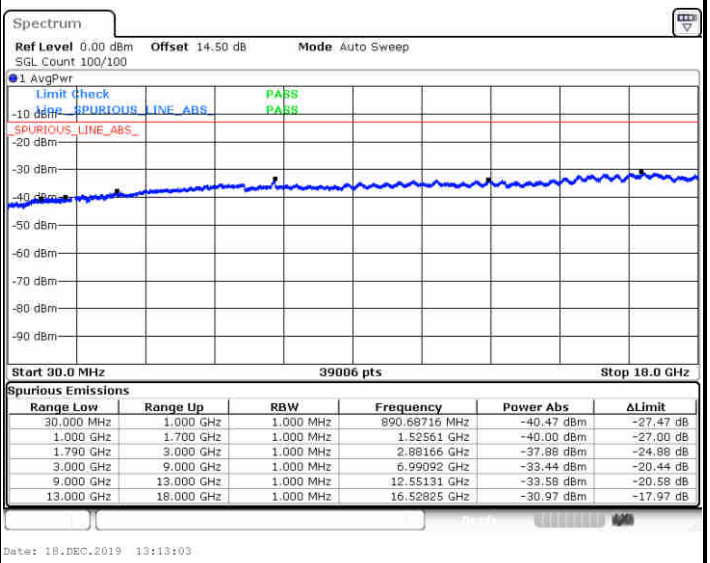


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	851.90655 MHz	-40.39 dBm	-27.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-31.62 dBm	-18.62 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.85021 GHz	-37.90 dBm	-24.90 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-33.56 dBm	-20.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.55181 GHz	-33.63 dBm	-20.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56074 GHz	-30.90 dBm	-17.90 dB

Date: 18.DEC.2019 13:20:40

Middle Channel / 64QAM

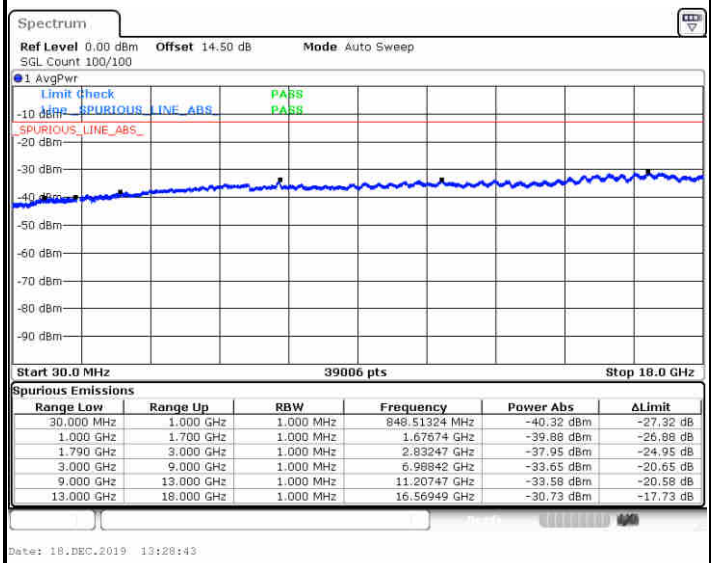


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-40.47 dBm	-27.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.52561 GHz	-40.00 dBm	-27.00 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.88166 GHz	-37.88 dBm	-24.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-33.44 dBm	-20.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.55131 GHz	-33.58 dBm	-20.58 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.52825 GHz	-30.97 dBm	-17.97 dB

Date: 18.DEC.2019 13:13:03

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	848.51324 MHz	-40.32 dBm	-27.32 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67674 GHz	-39.88 dBm	-26.88 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.83247 GHz	-37.95 dBm	-24.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-33.65 dBm	-20.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.20747 GHz	-33.58 dBm	-20.58 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56949 GHz	-30.73 dBm	-17.73 dB

Date: 18.DEC.2019 13:28:43

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0157	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0097	

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.

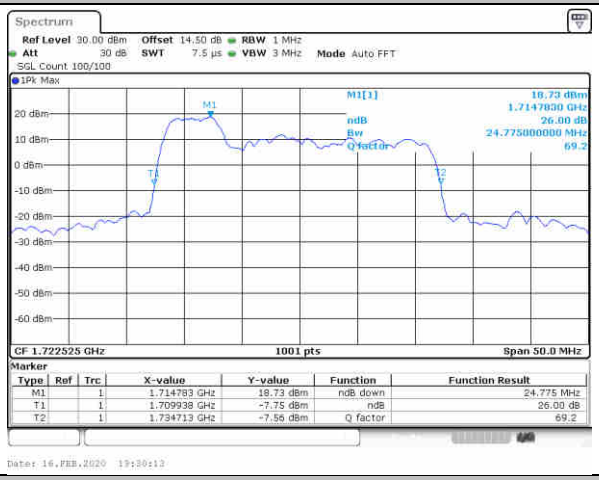
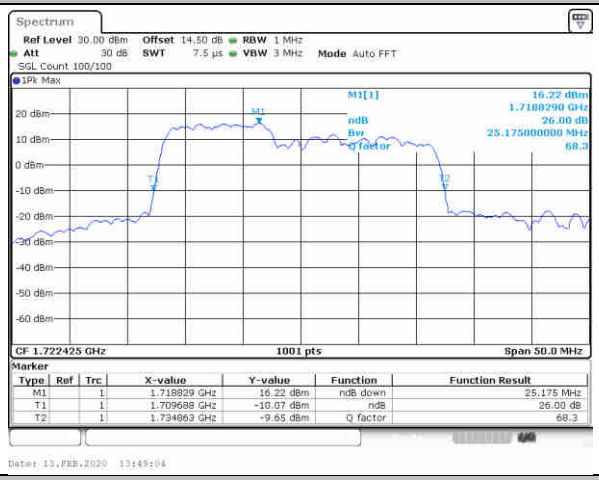
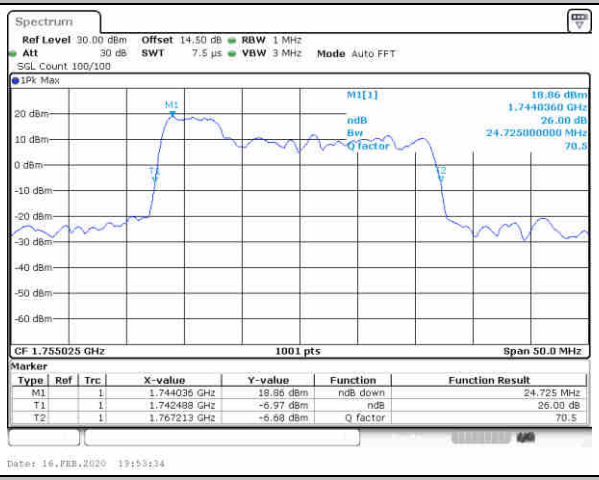
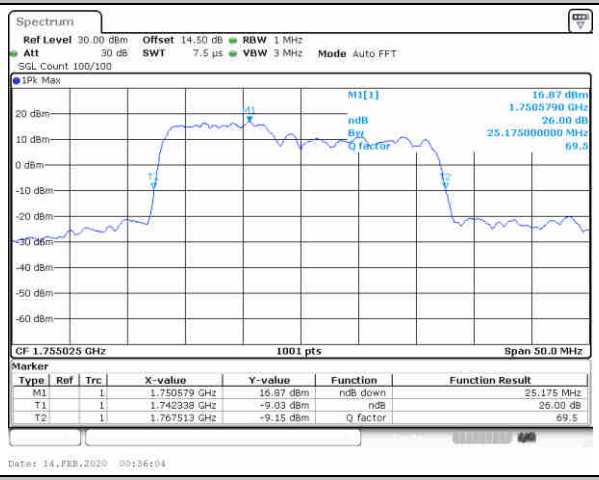
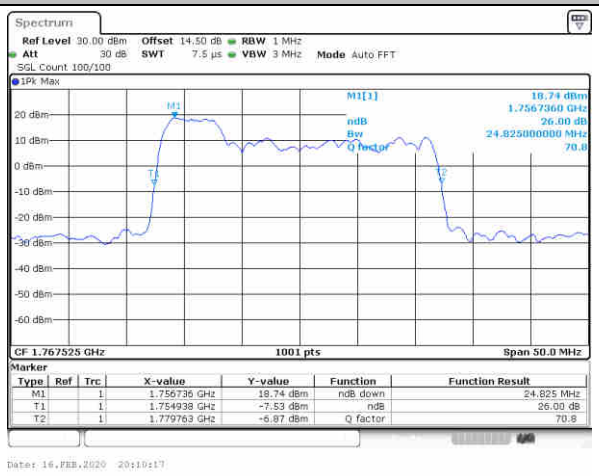
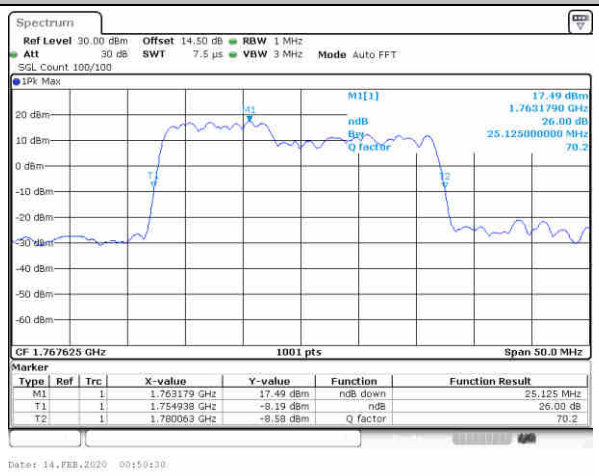
LTE Band 66C

26dB Bandwidth

Mode	LTE Band 66C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.18	29.91	25.43	30.39
Middle CH	24.73	25.18	29.91	25.18	30.45
Highest CH	24.83	25.13	30.03	25.23	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	25.03	29.97	34.90	39.56
Middle CH	34.76	25.03	30.09	34.90	39.72
Highest CH	34.83	25.03	29.91	34.90	39.72

Mode	LTE Band 66C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.18	29.91	25.23	30.39
Middle CH	24.73	25.03	29.85	25.18	30.45
Highest CH	24.83	25.08	29.79	25.28	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.88	29.85	34.90	39.64
Middle CH	34.69	24.93	29.97	34.83	39.80
Highest CH	34.76	24.98	29.97	34.83	39.88

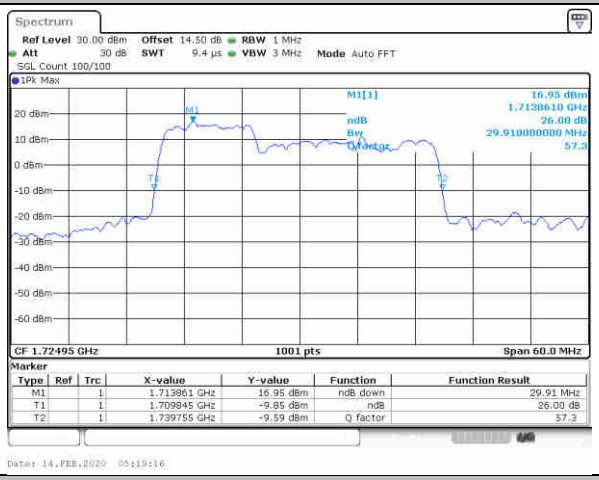
Mode	LTE Band 66C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.13	29.85	25.18	30.63
Middle CH	24.68	25.03	29.85	25.38	30.45
Highest CH	24.78	25.08	29.85	25.28	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.98	29.85	34.97	39.64
Middle CH	34.90	24.88	29.97	34.97	39.80
Highest CH	34.76	24.93	30.09	34.90	39.64

LTE Band 66C	
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
	

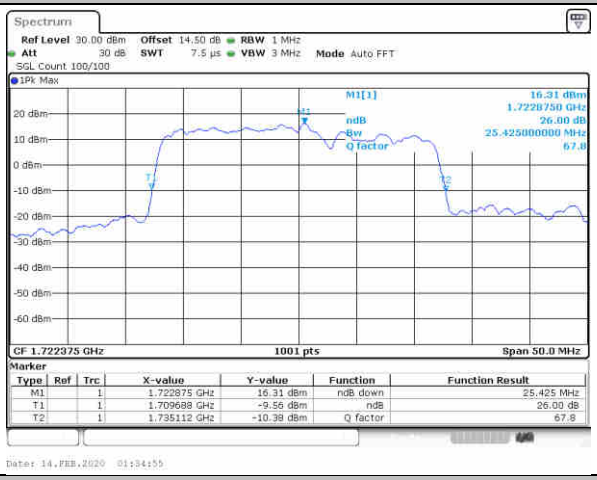
LTE Band 66C

QPSK

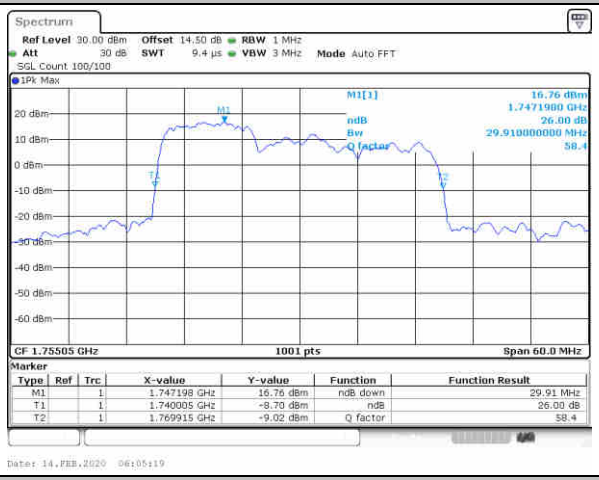
Lowest Channel / 10MHz+20MHz



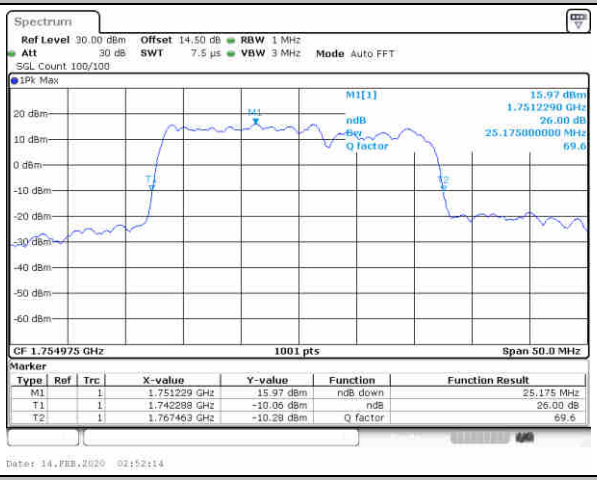
Lowest Channel / 15MHz+10MHz



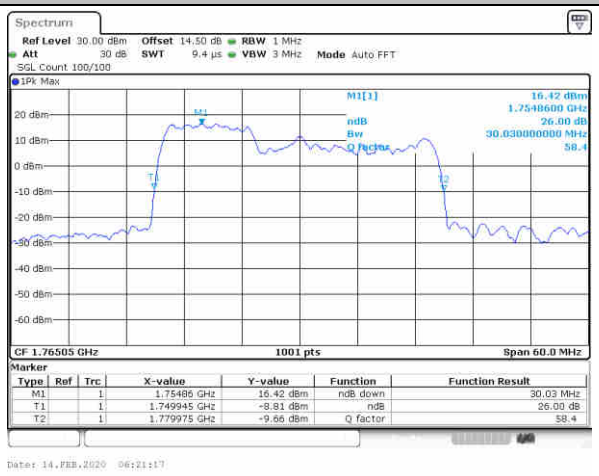
Middle Channel / 10MHz+20MHz



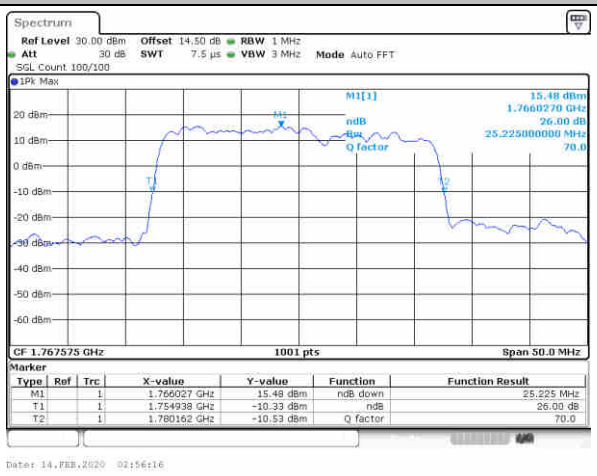
Middle Channel / 15MHz+10MHz

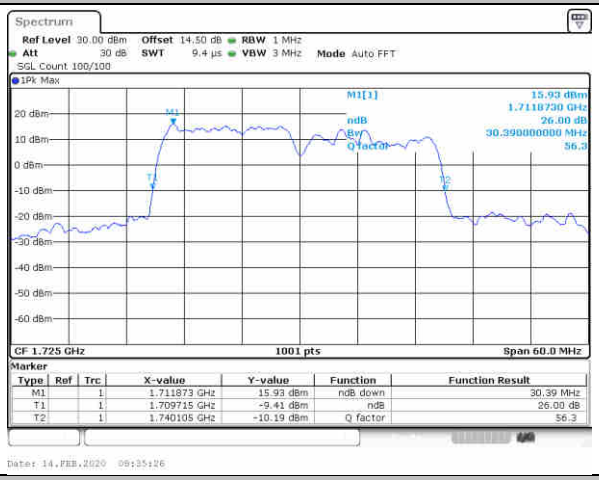
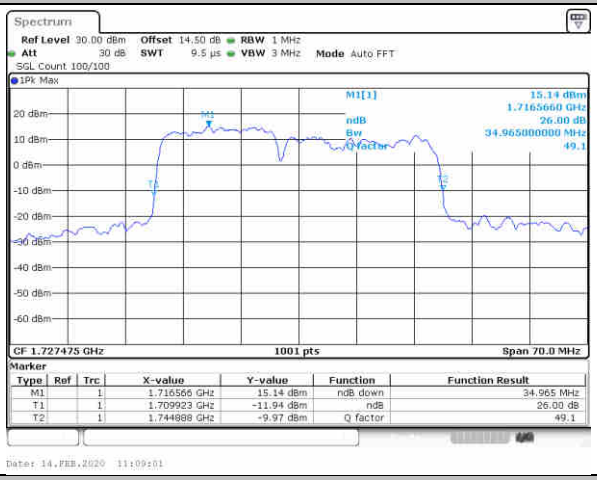
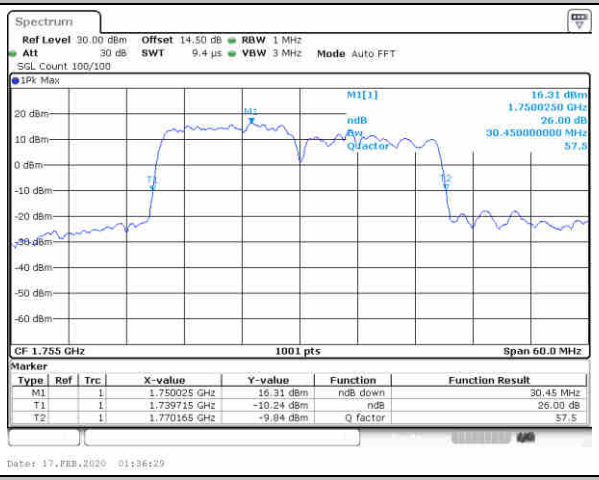
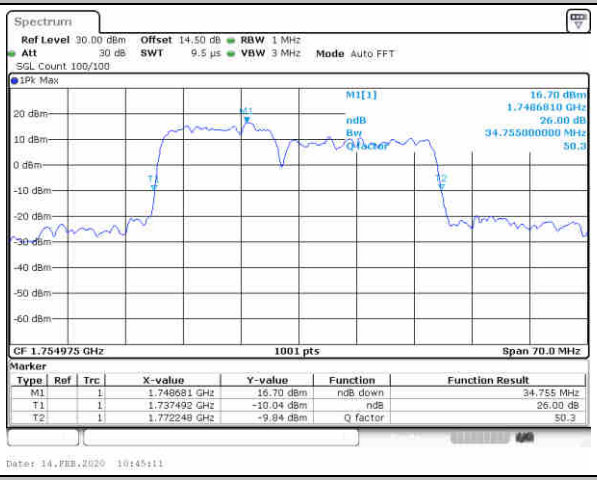
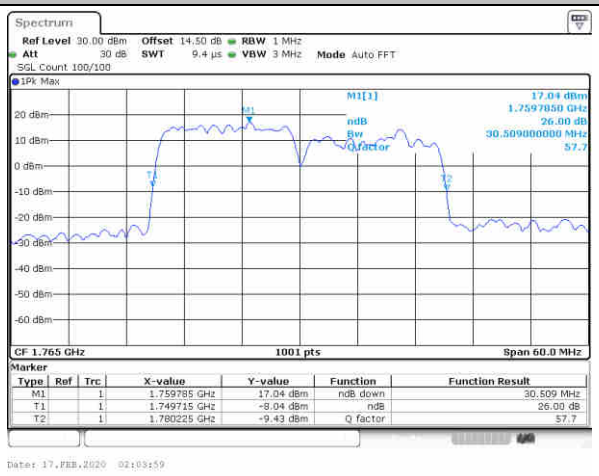
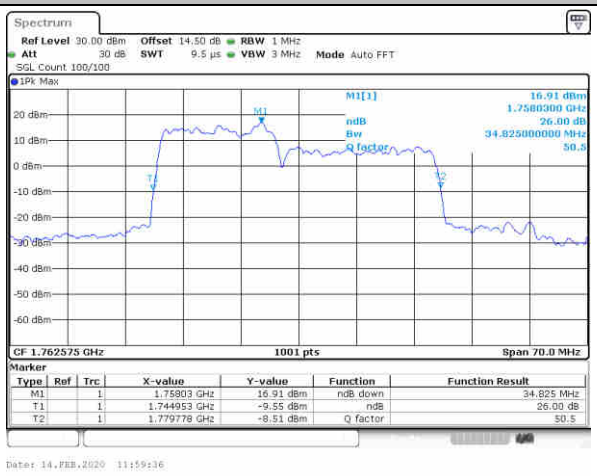


Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

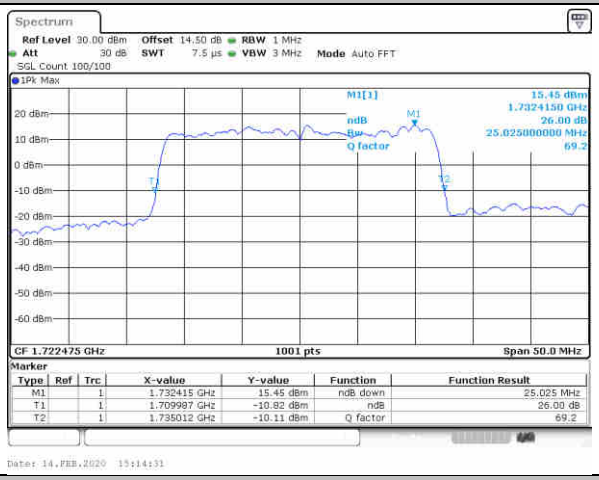


LTE Band 66C	
QPSK	
Lowest Channel / 15MHz+15MHz	Lowest Channel / 15MHz+20MHz
	
Middle Channel / 15MHz+15MHz	Middle Channel / 15MHz+20MHz
	
Highest Channel / 15MHz+15MHz	Highest Channel / 15MHz+20MHz
	

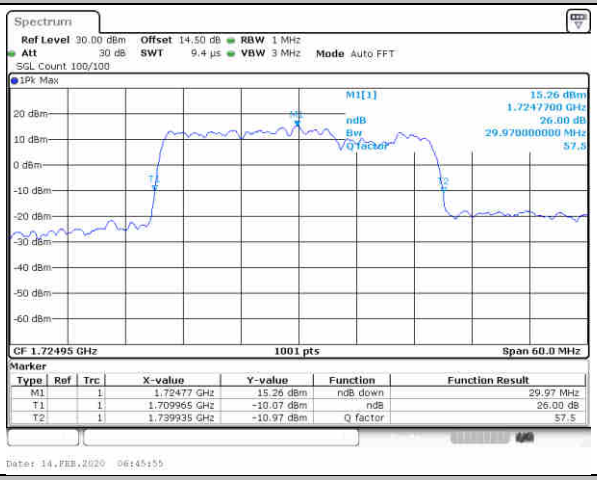
LTE Band 66C

QPSK

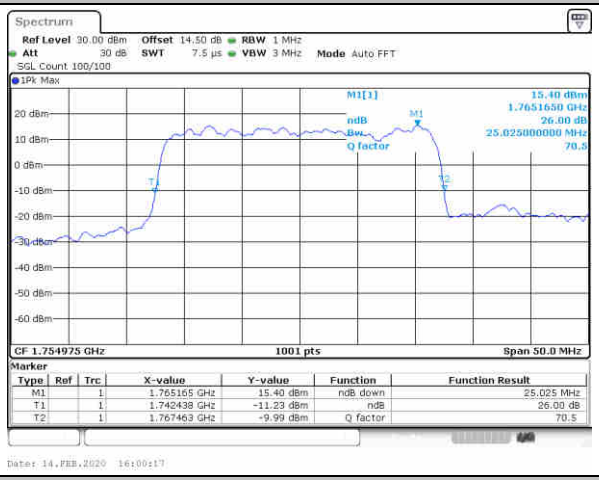
Lowest Channel / 20MHz+5MHz



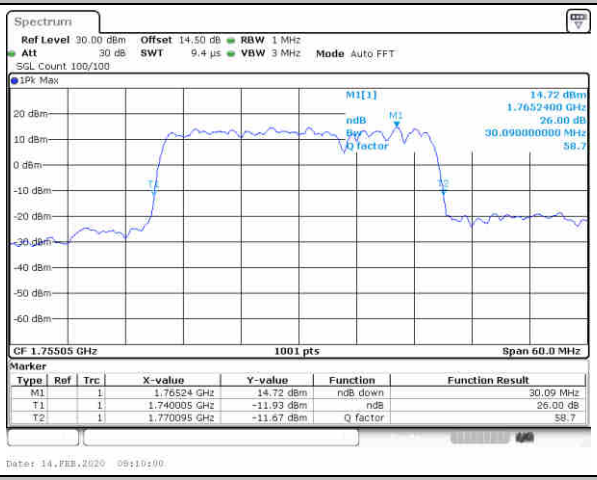
Lowest Channel / 20MHz+10MHz



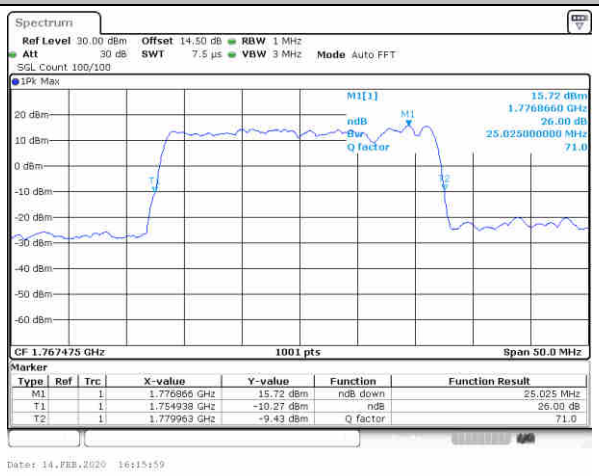
Middle Channel / 20MHz+5MHz



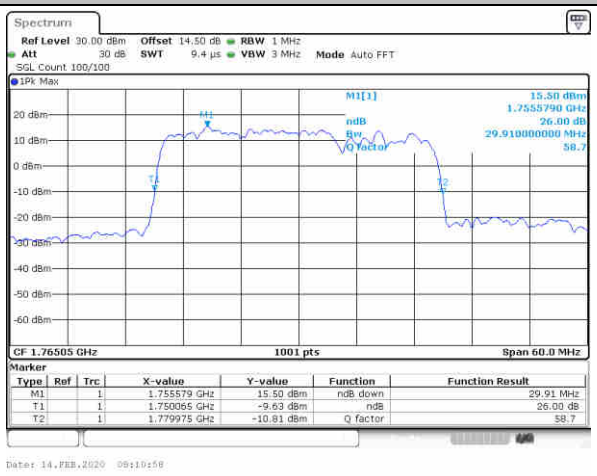
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



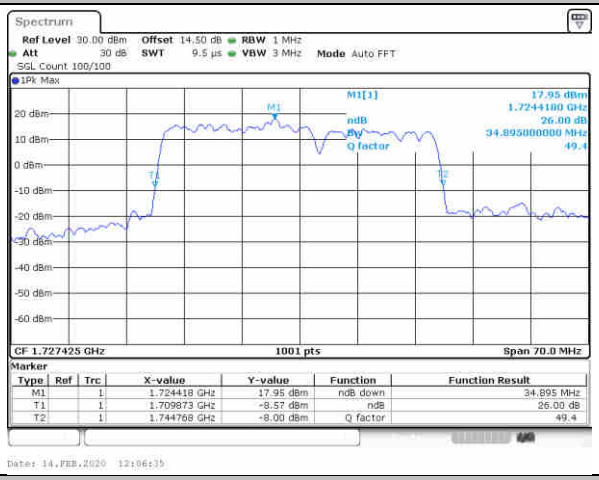
Highest Channel / 20MHz+10MHz



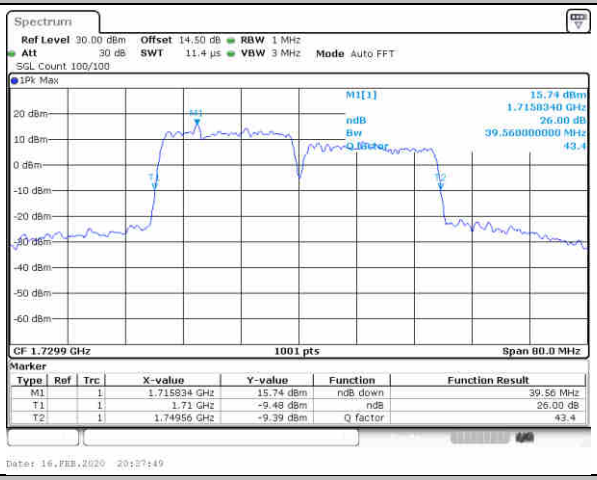
LTE Band 66C

QPSK

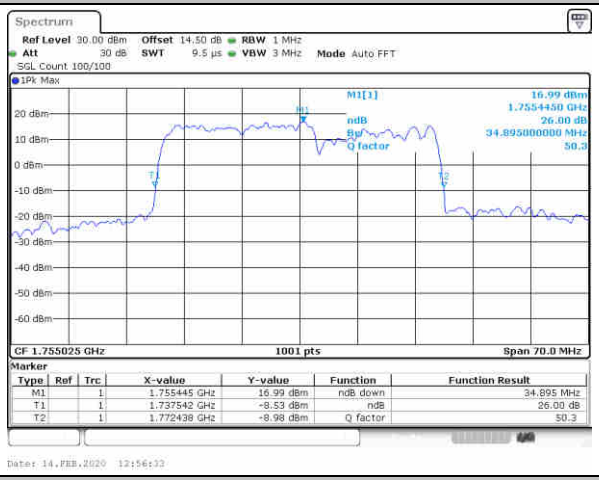
Lowest Channel / 20MHz+15MHz



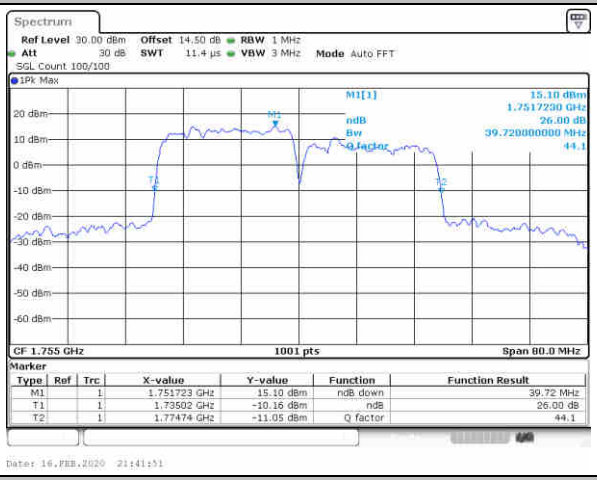
Lowest Channel / 20MHz+20MHz



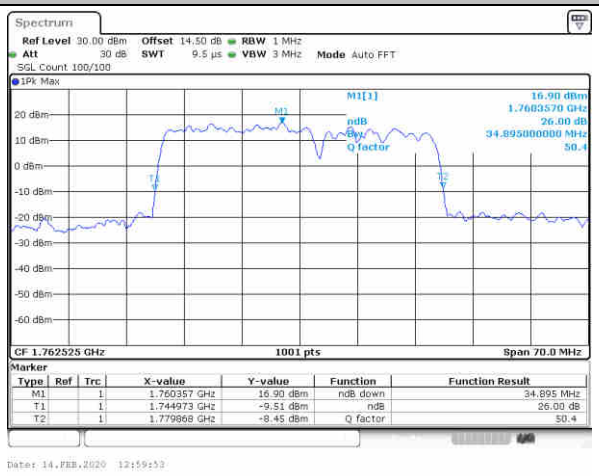
Middle Channel / 20MHz+15MHz



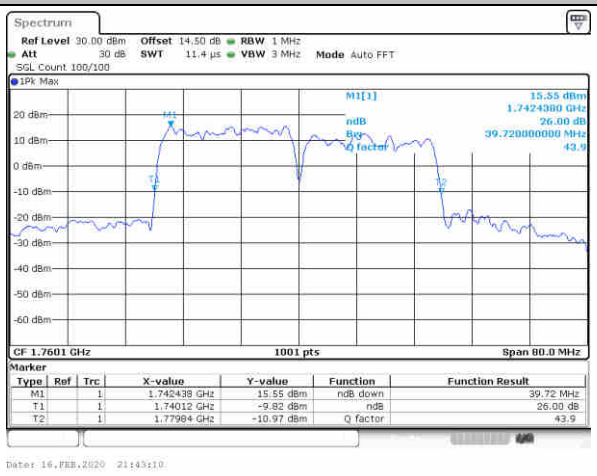
Middle Channel / 20MHz+20MHz

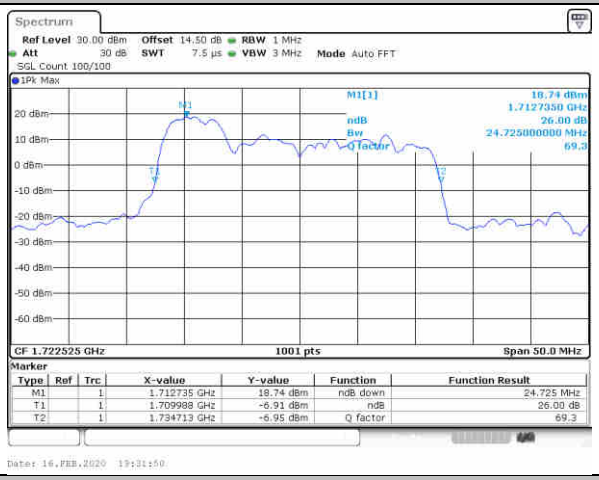
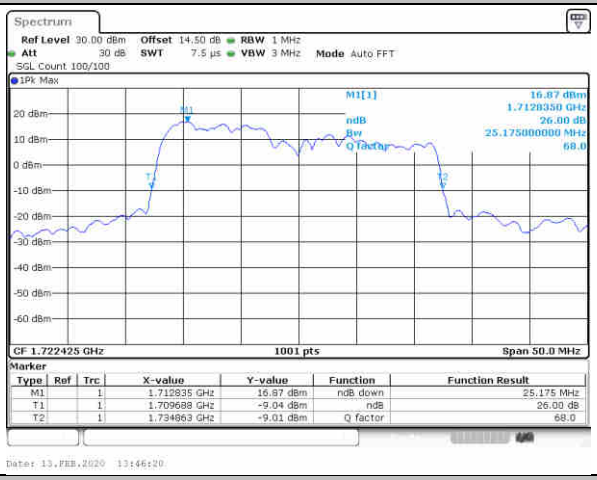
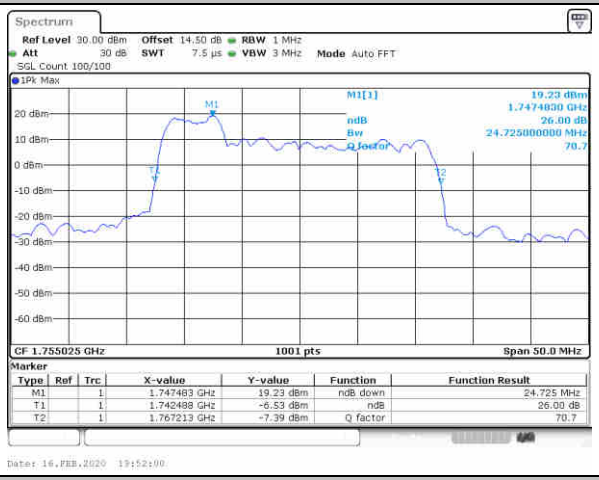
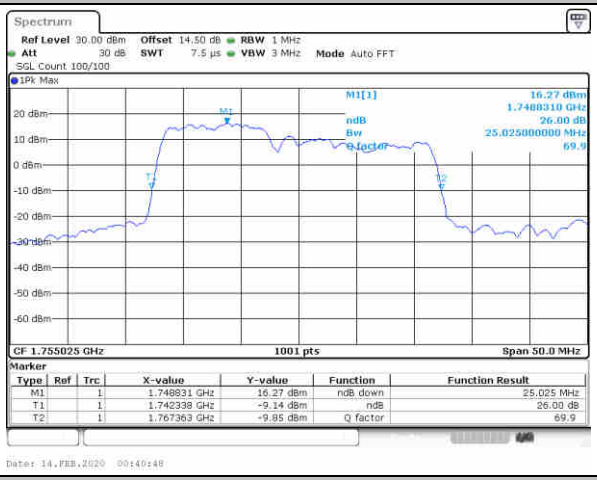
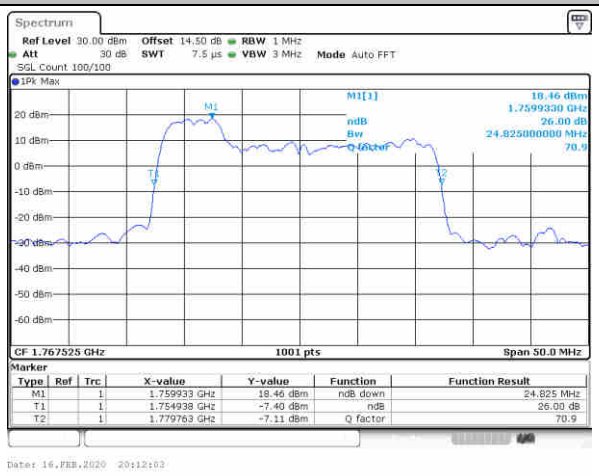
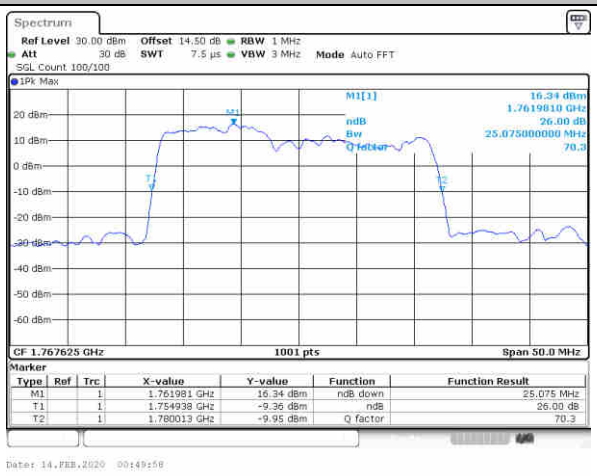


Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

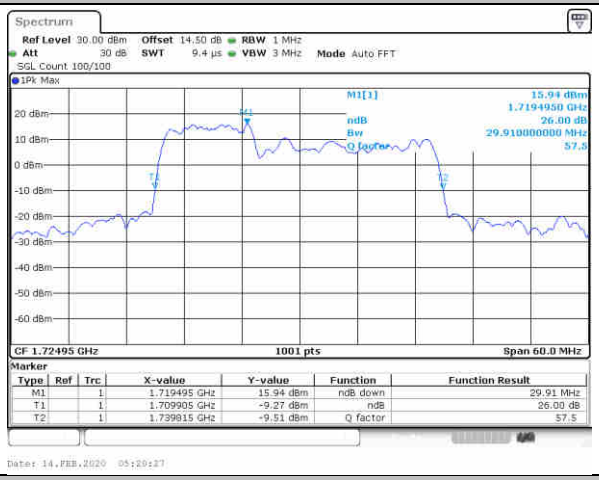


LTE Band 66C	
16QAM	
Lowest Channel / 5MHz+20MHz	Lowest Channel / 10MHz+15MHz
	
Middle Channel / 5MHz+20MHz	Middle Channel / 10MHz+15MHz
	
Highest Channel / 5MHz+20MHz	Highest Channel / 10MHz+15MHz
	

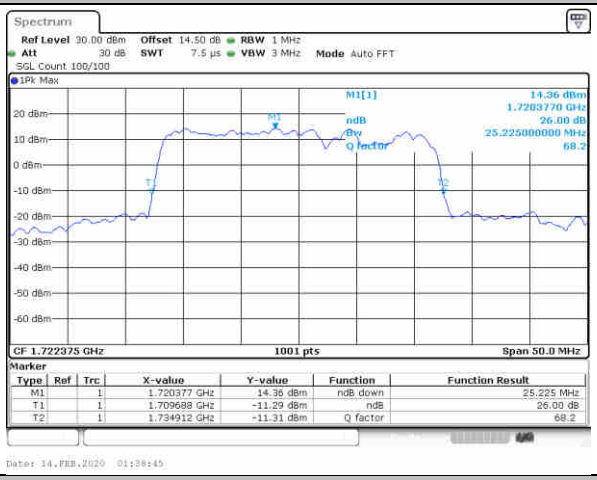
LTE Band 66C

16QAM

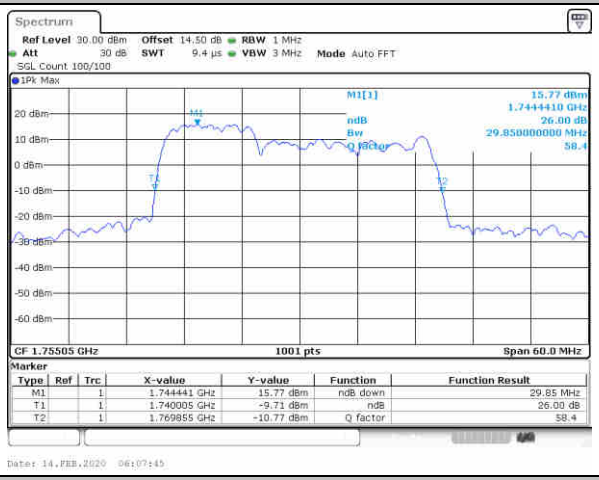
Lowest Channel / 10MHz+20MHz



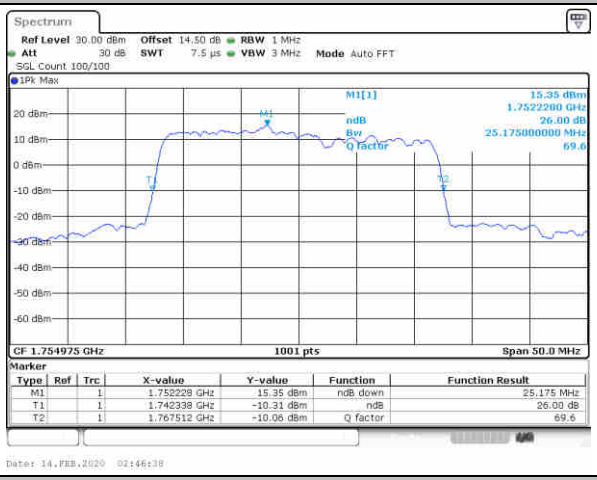
Lowest Channel / 15MHz+10MHz



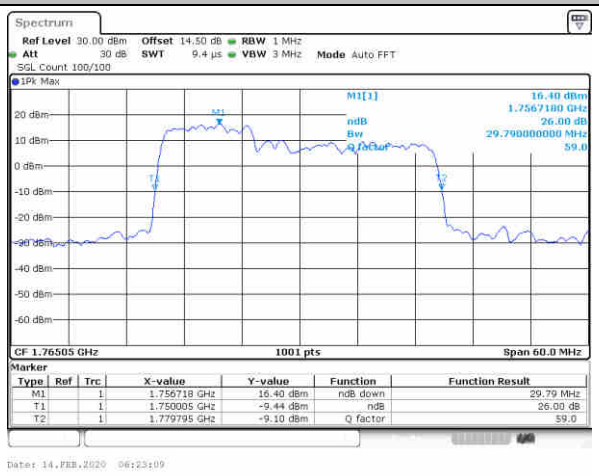
Middle Channel / 10MHz+20MHz



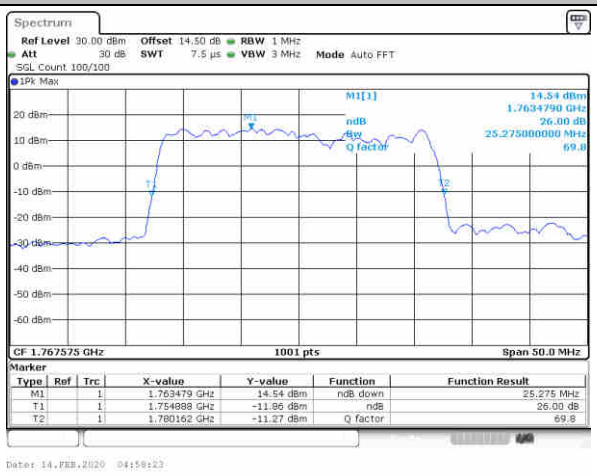
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



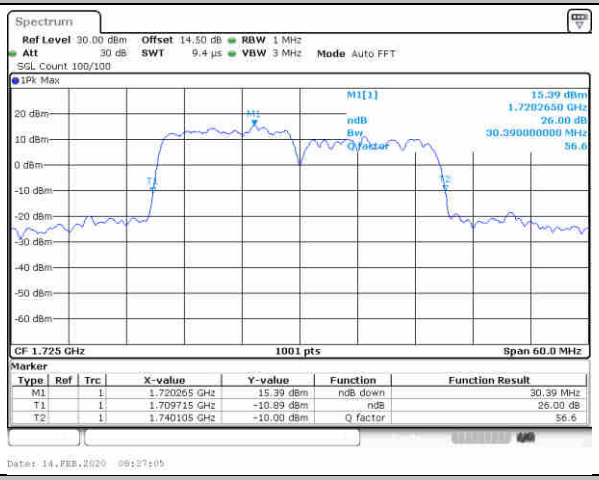
Highest Channel / 15MHz+10MHz



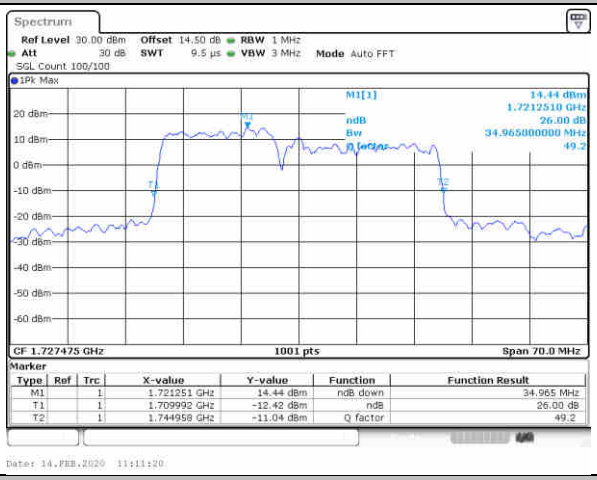
LTE Band 66C

16QAM

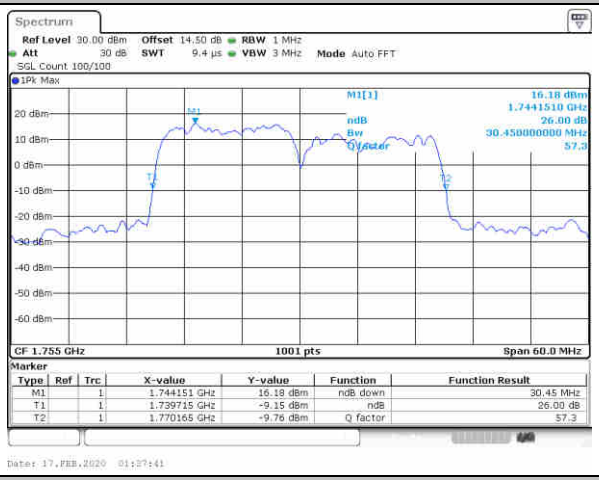
Lowest Channel / 15MHz+15MHz



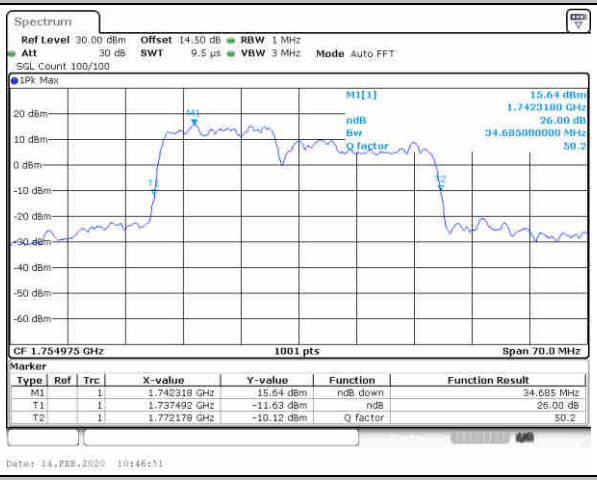
Lowest Channel / 15MHz+20MHz



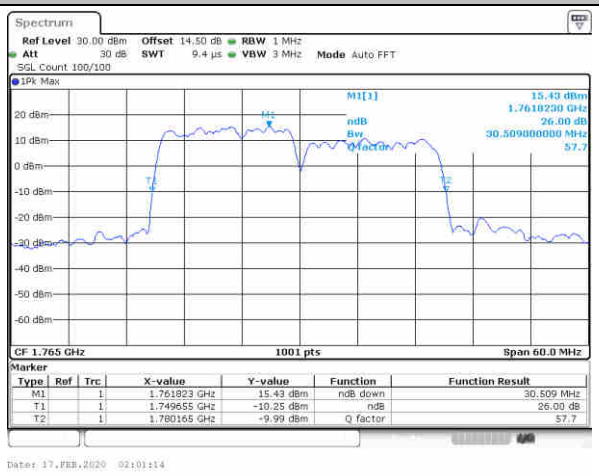
Middle Channel / 15MHz+15MHz



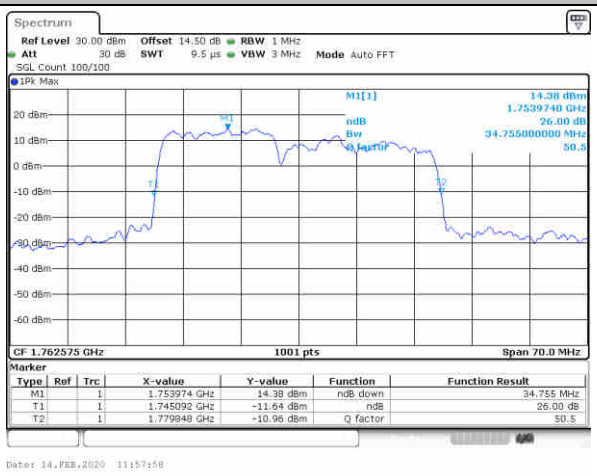
Middle Channel / 15MHz+20MHz

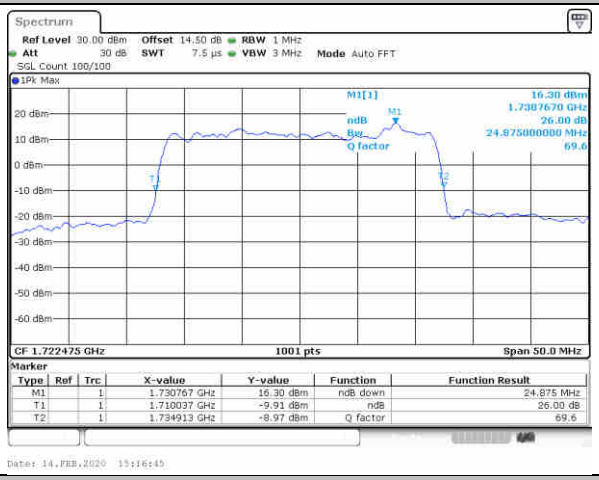
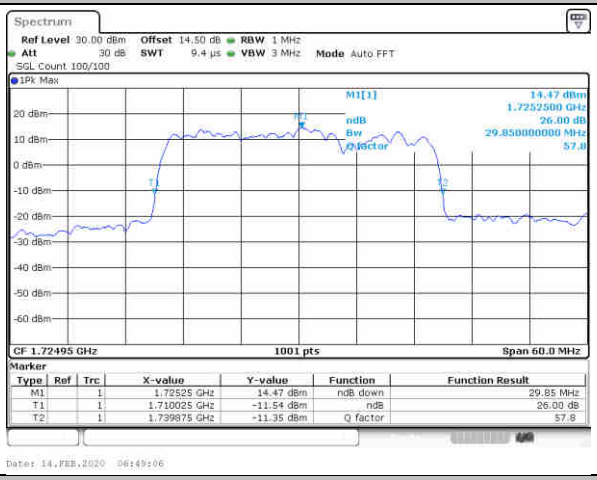
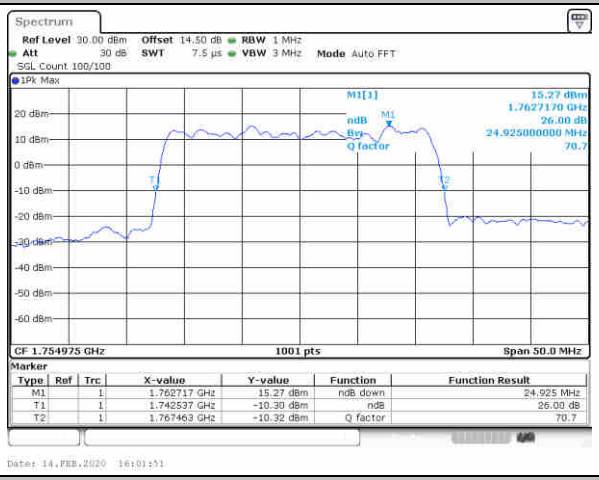
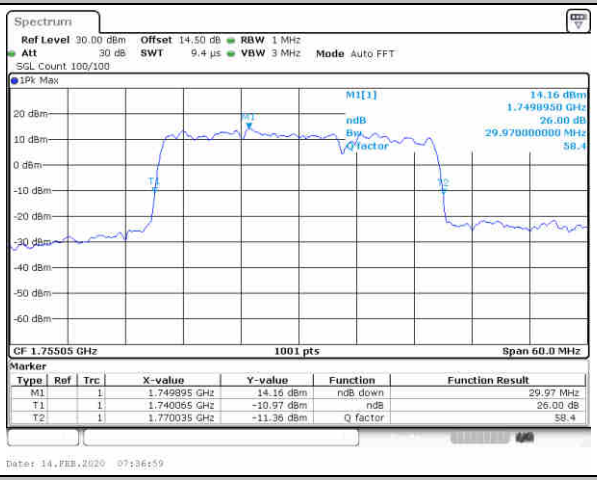
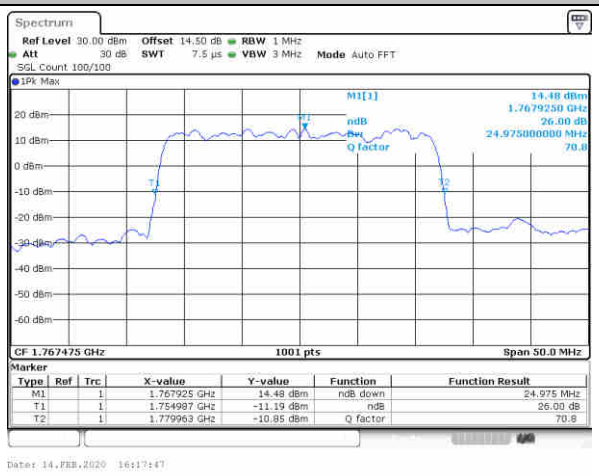
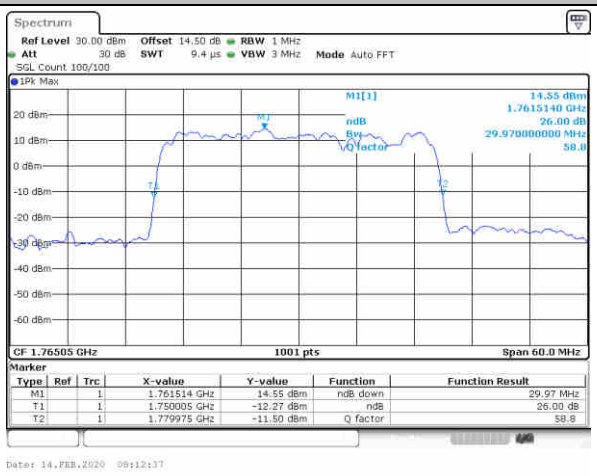


Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

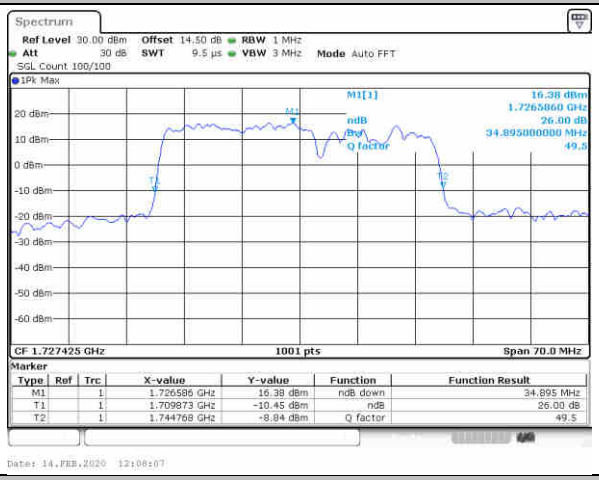


LTE Band 66C	
16QAM	
Lowest Channel / 20MHz+5MHz	Lowest Channel / 20MHz+10MHz
	
Middle Channel / 20MHz+5MHz	Middle Channel / 20MHz+10MHz
	
Highest Channel / 20MHz+5MHz	Highest Channel / 20MHz+10MHz
	

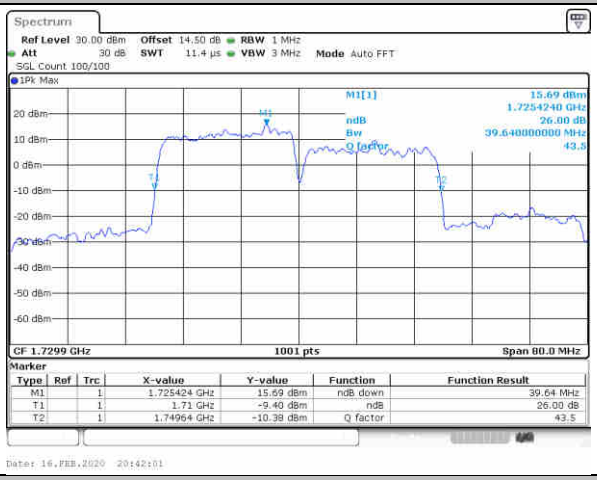
LTE Band 66C

16QAM

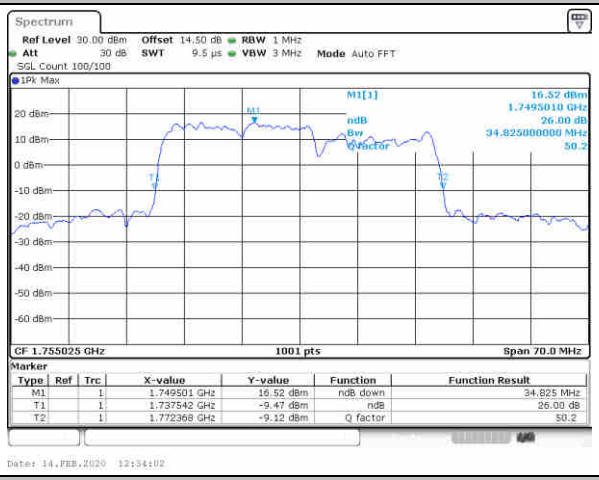
Lowest Channel / 20MHz+15MHz



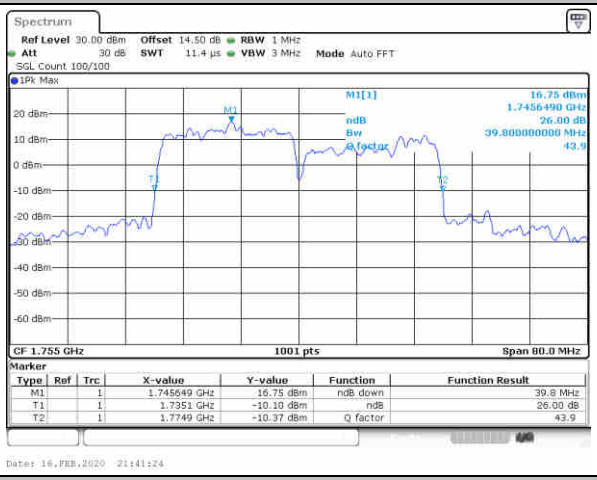
Lowest Channel / 20MHz+20MHz



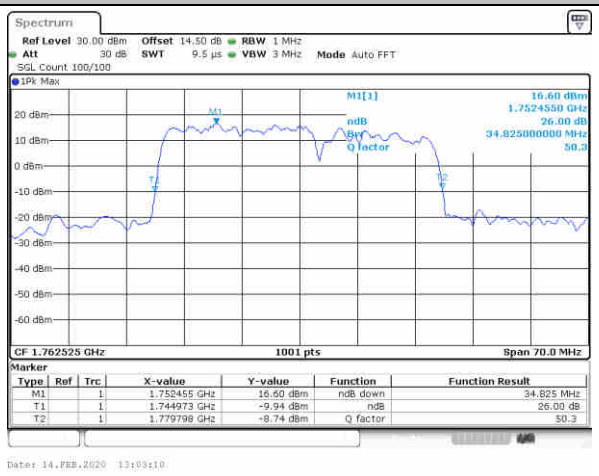
Middle Channel / 20MHz+15MHz



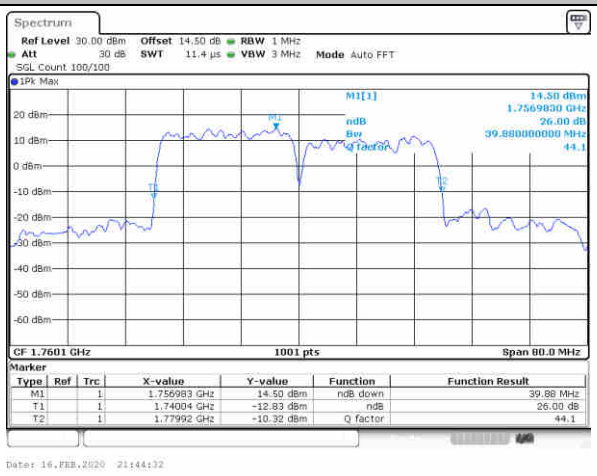
Middle Channel / 20MHz+20MHz

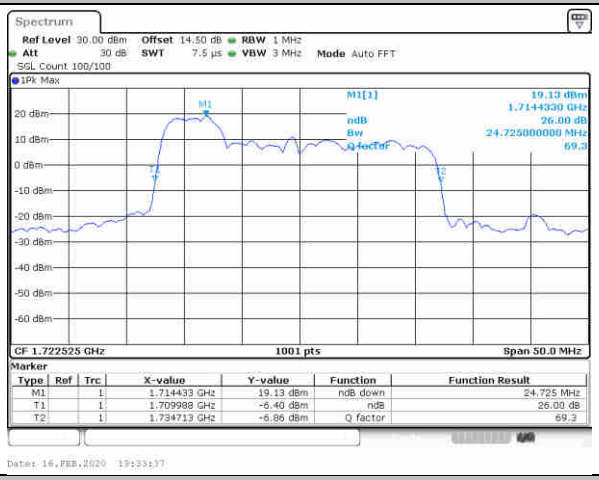
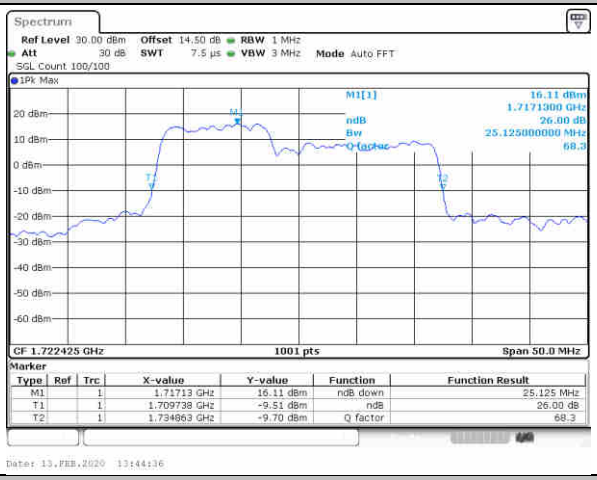
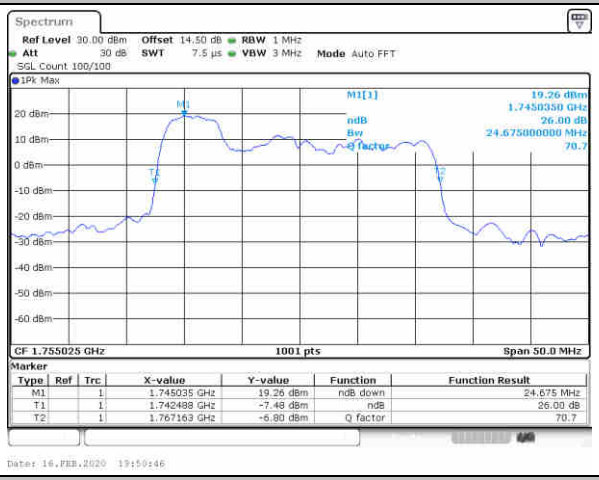
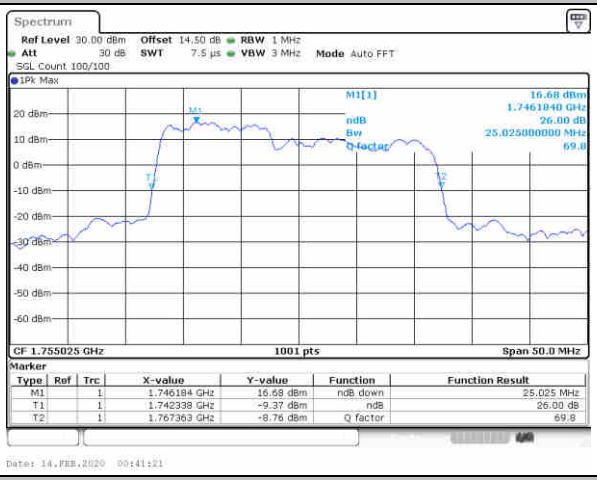
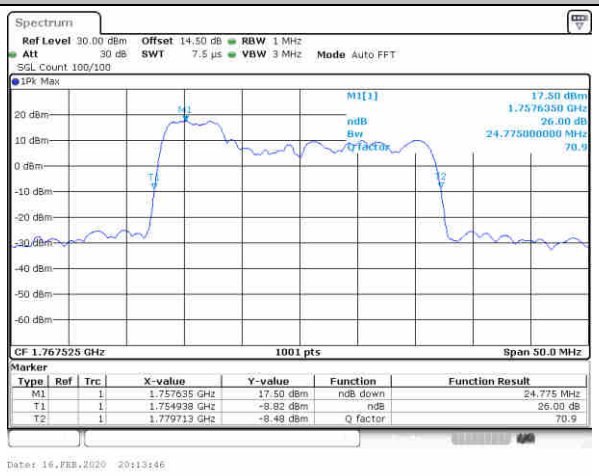
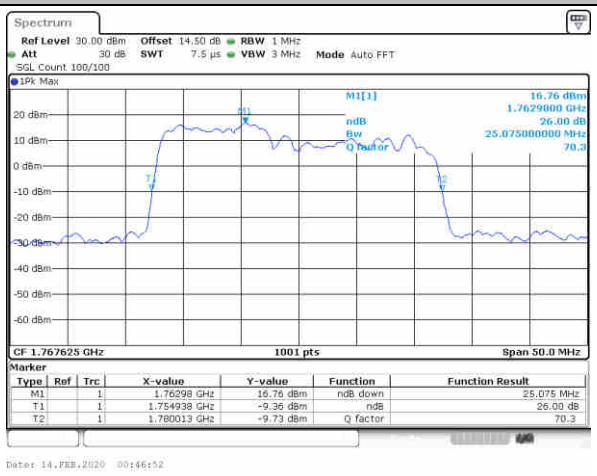


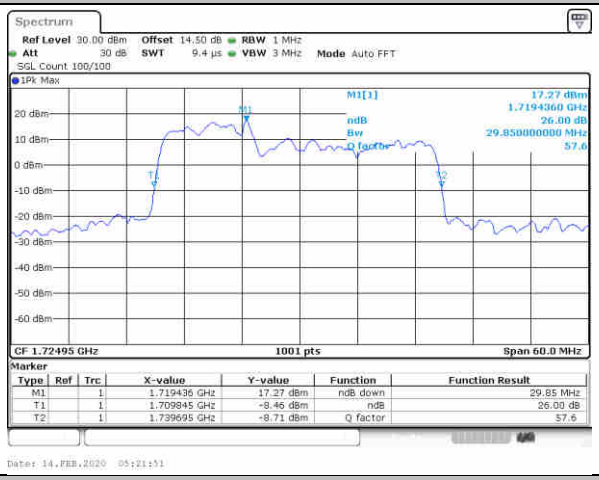
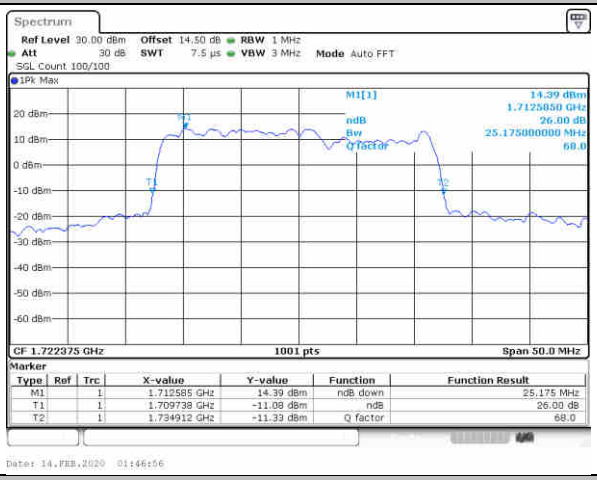
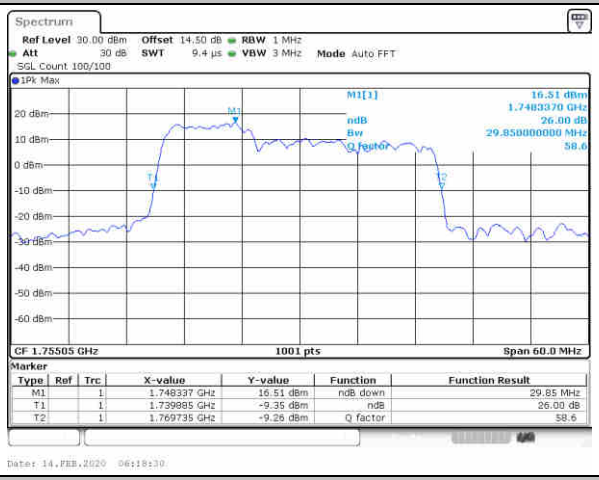
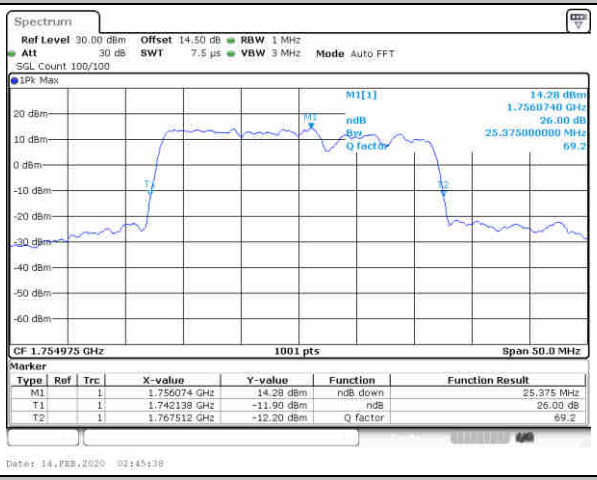
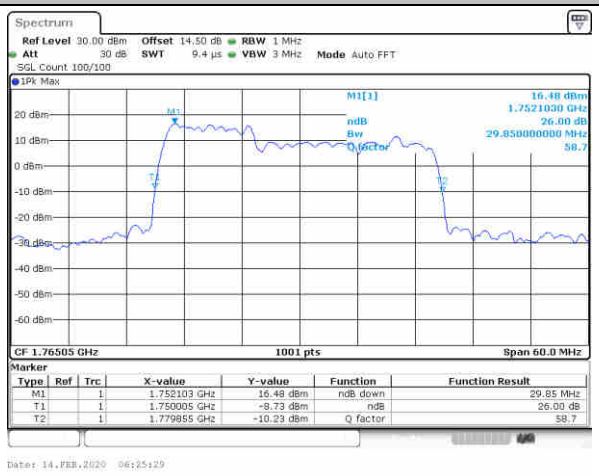
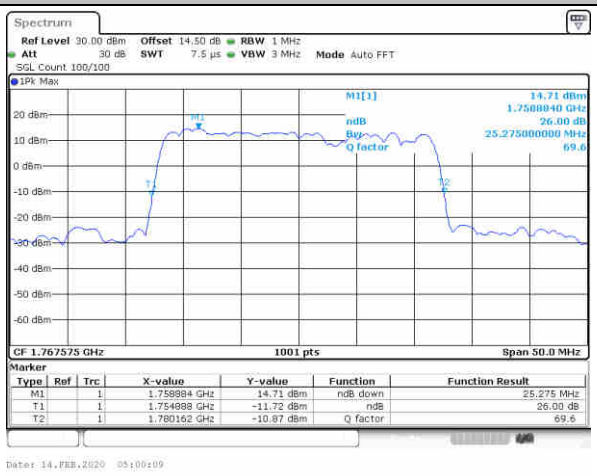
Highest Channel / 20MHz+15MHz

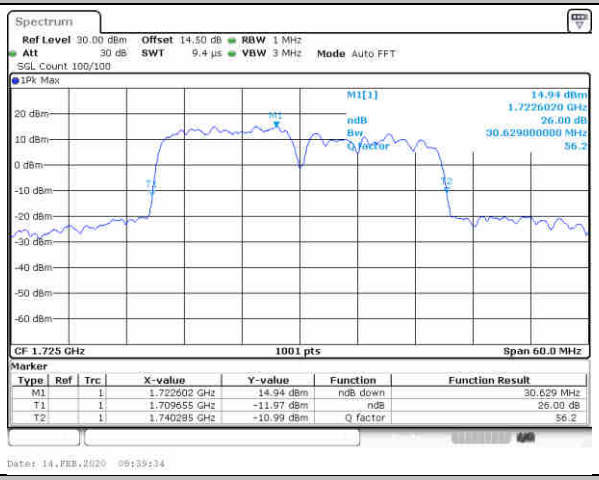
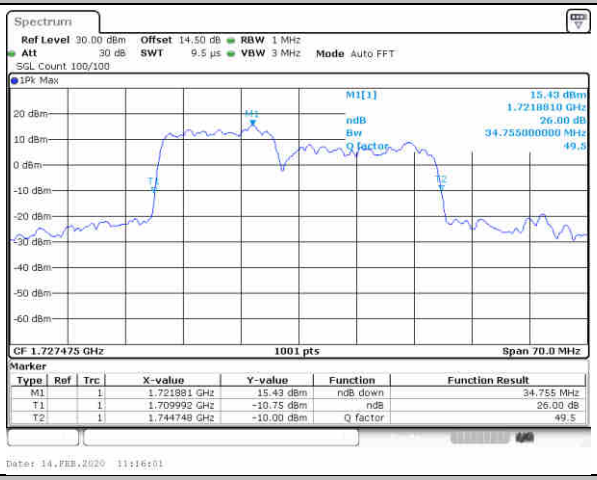
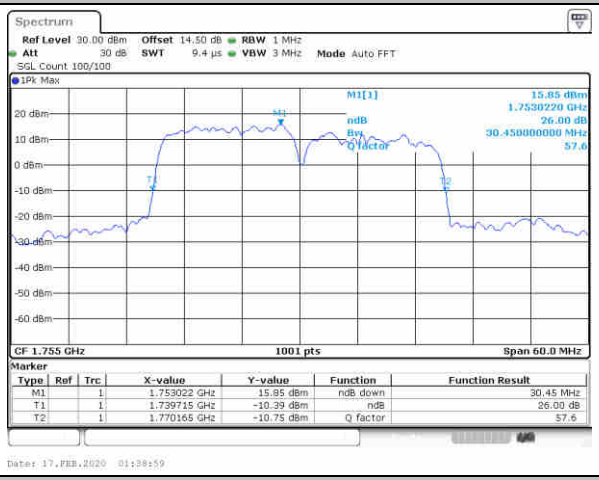
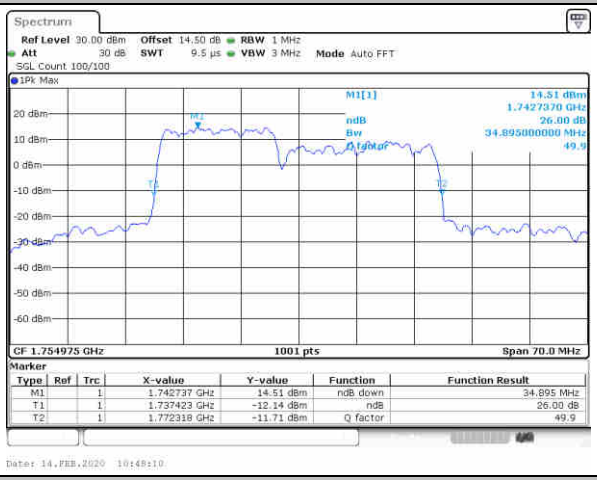
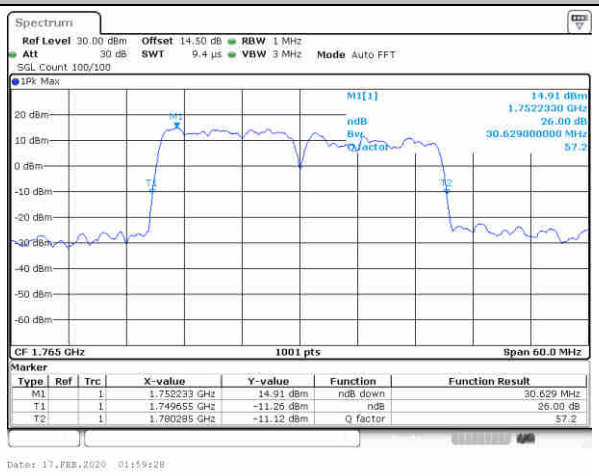
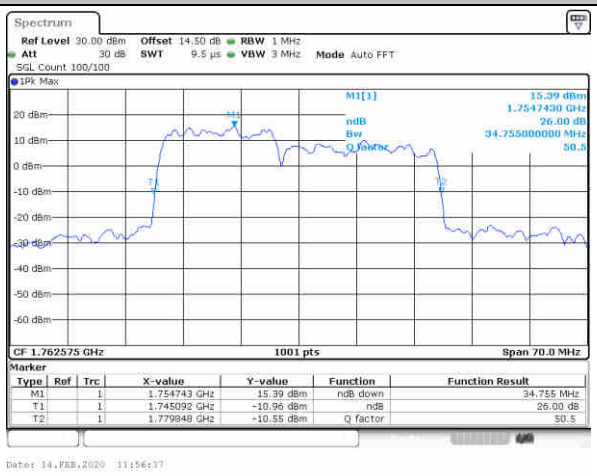


Highest Channel / 20MHz+20MHz



LTE Band 66C	
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
	

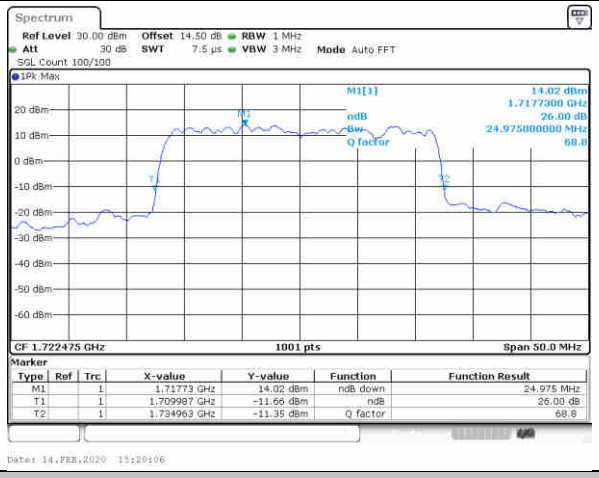
LTE Band 66C	
64QAM	
Lowest Channel / 10MHz+20MHz	Lowest Channel / 15MHz+10MHz
	
Middle Channel / 10MHz+20MHz	Middle Channel / 15MHz+10MHz
	
Highest Channel / 10MHz+20MHz	Highest Channel / 15MHz+10MHz
	

LTE Band 66C	
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
	

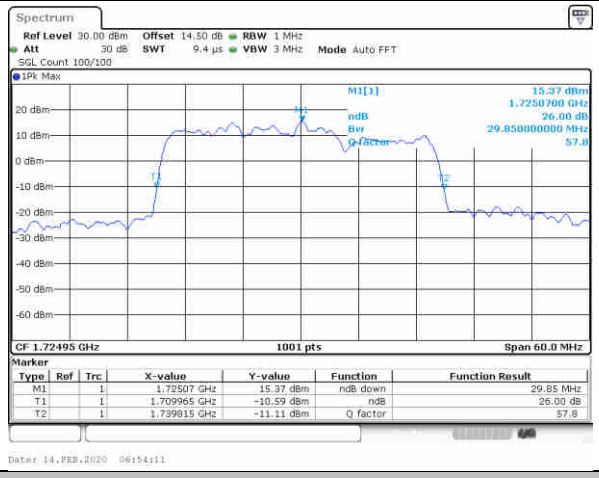
LTE Band 66C

64QAM

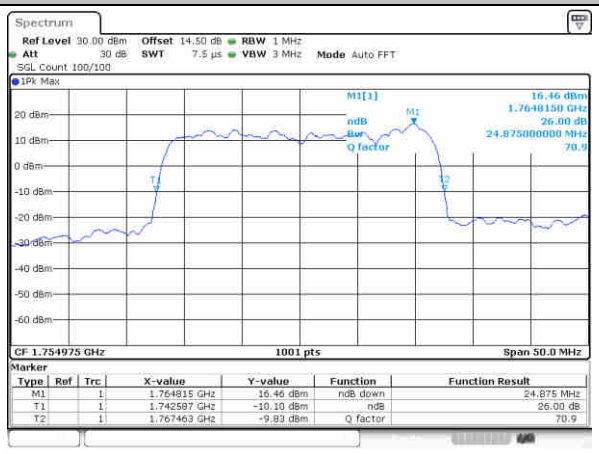
Lowest Channel / 20MHz+5MHz



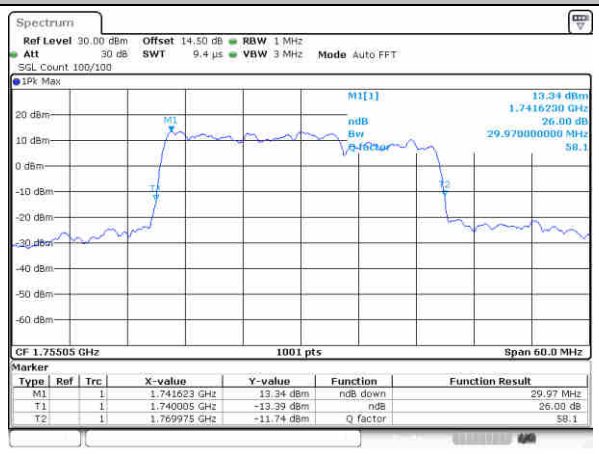
Lowest Channel / 20MHz+10MHz



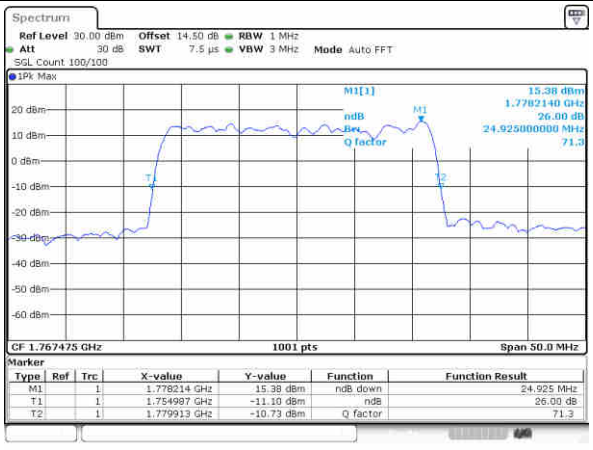
Middle Channel / 20MHz+5MHz



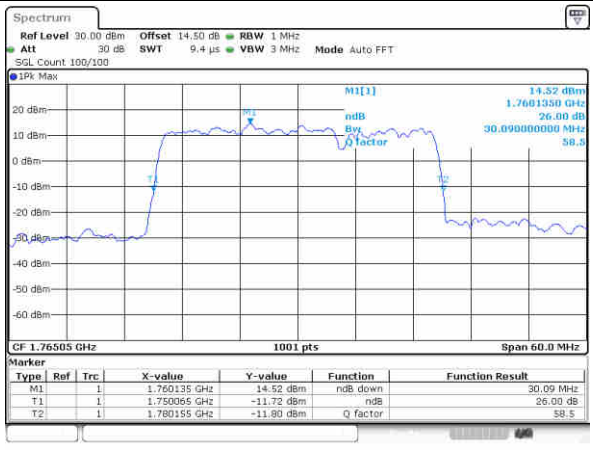
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



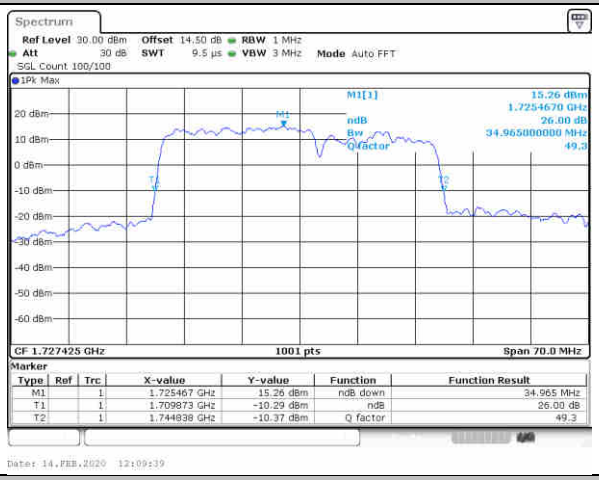
Highest Channel / 20MHz+10MHz



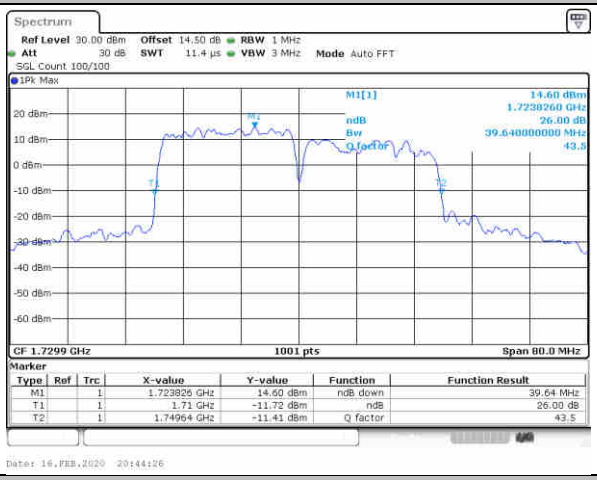
LTE Band 66C

64QAM

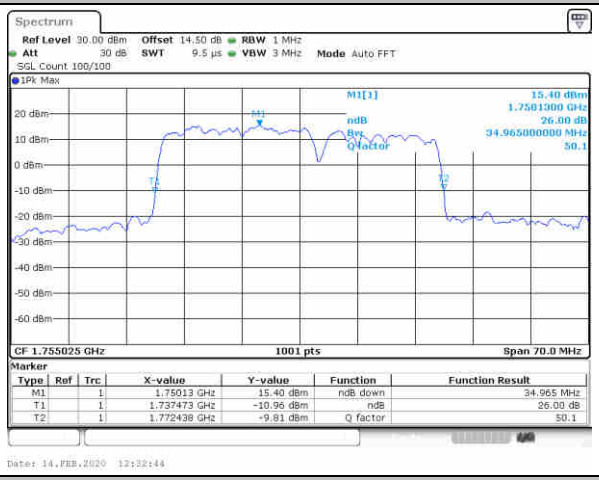
Lowest Channel / 20MHz+15MHz



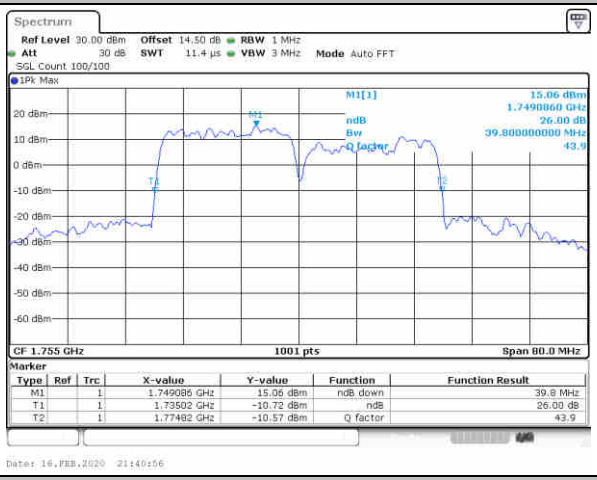
Lowest Channel / 20MHz+20MHz



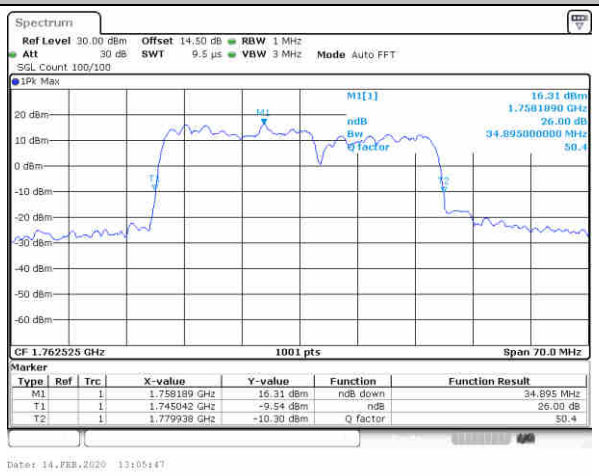
Middle Channel / 20MHz+15MHz



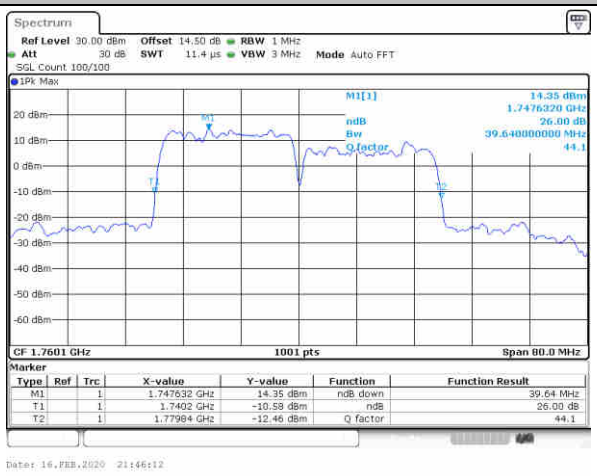
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

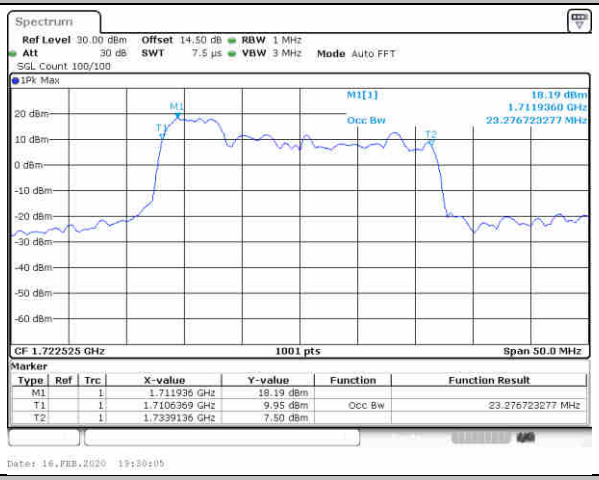
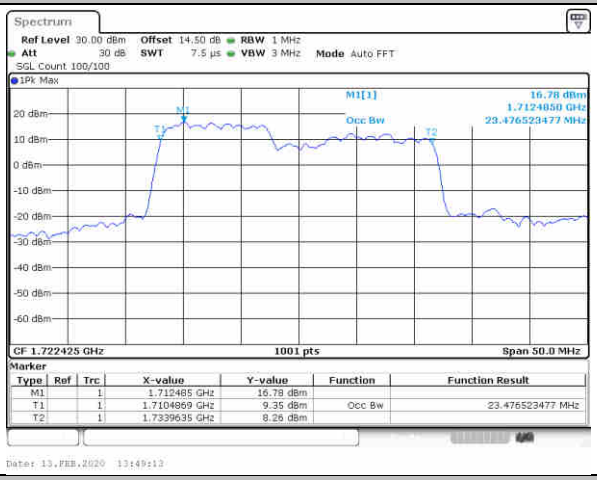
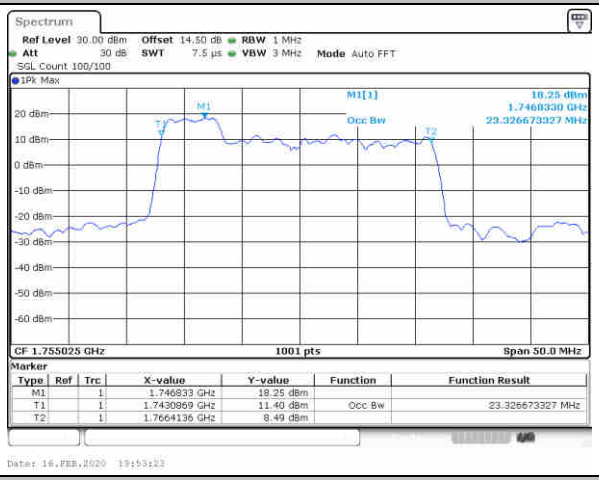
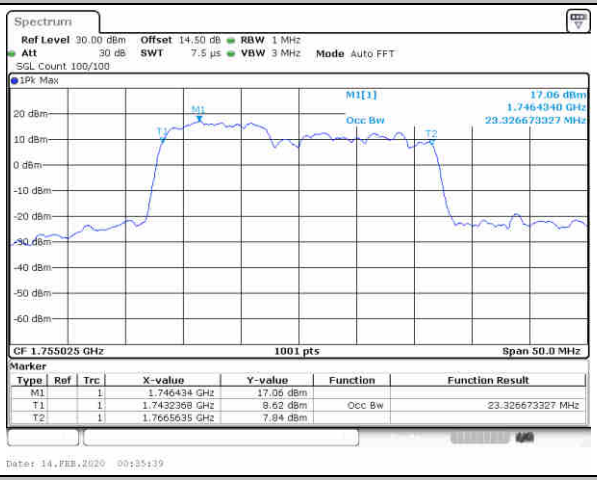
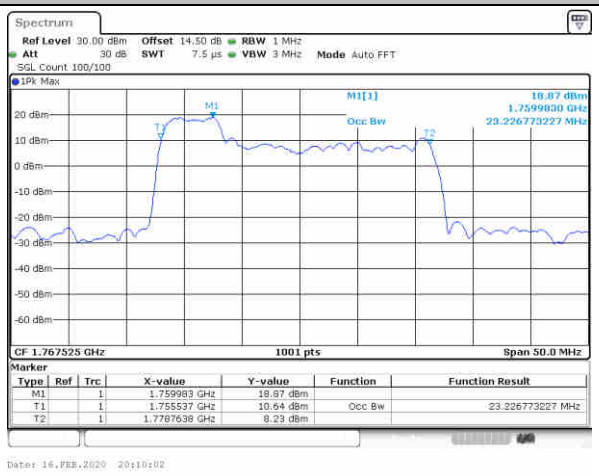
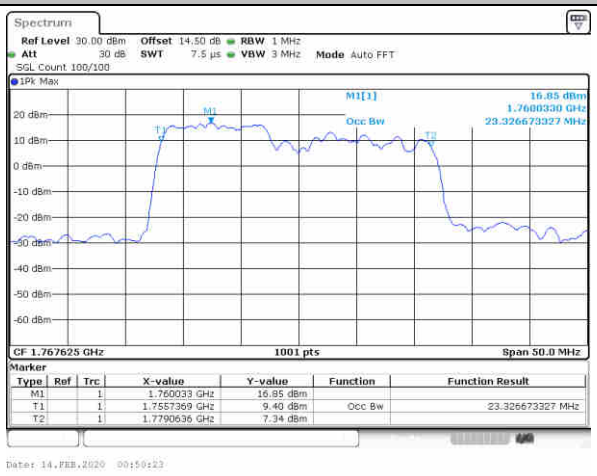


Occupied Bandwidth

Mode	LTE Band 66C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.28	23.48	28.05	23.33	28.53
Middle CH	23.33	23.33	27.87	23.53	28.35
Highest CH	23.23	23.33	27.99	23.43	28.95
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.59	23.43	27.87	32.80	37.64
Middle CH	32.66	23.38	27.99	33.01	37.56
Highest CH	32.52	23.13	28.05	32.66	37.56

Mode	LTE Band 66C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.33	23.18	27.81	23.23	28.47
Middle CH	23.18	23.23	27.81	23.58	28.35
Highest CH	23.13	23.18	27.87	23.48	28.71
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.52	23.28	27.87	32.80	37.48
Middle CH	32.59	23.43	27.81	32.73	37.64
Highest CH	33.08	23.38	28.17	32.52	37.48

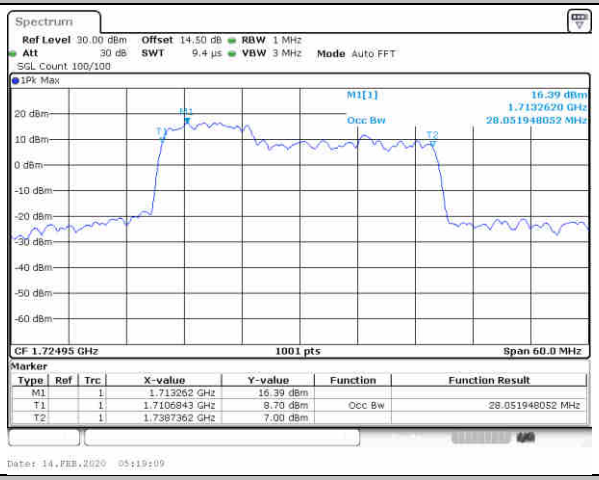
Mode	LTE Band 66C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.13	23.58	28.05	23.18	28.47
Middle CH	23.18	23.38	28.17	23.43	28.29
Highest CH	23.18	23.28	27.93	23.28	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.33	27.69	32.94	37.56
Middle CH	32.66	23.48	27.99	32.52	37.32
Highest CH	32.59	23.33	28.11	32.80	37.32

LTE Band 66C	
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
	

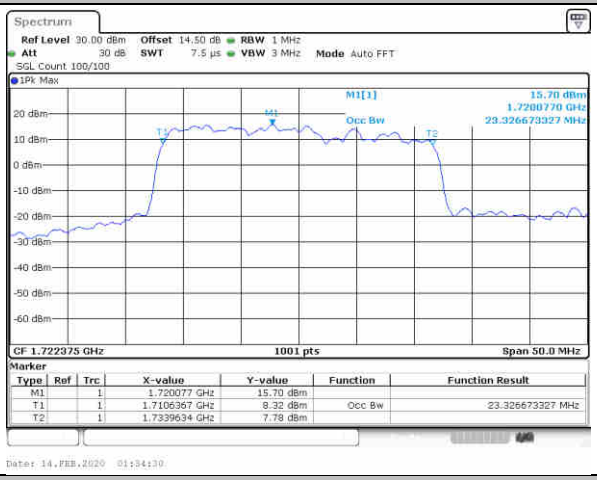
LTE Band 66C

QPSK

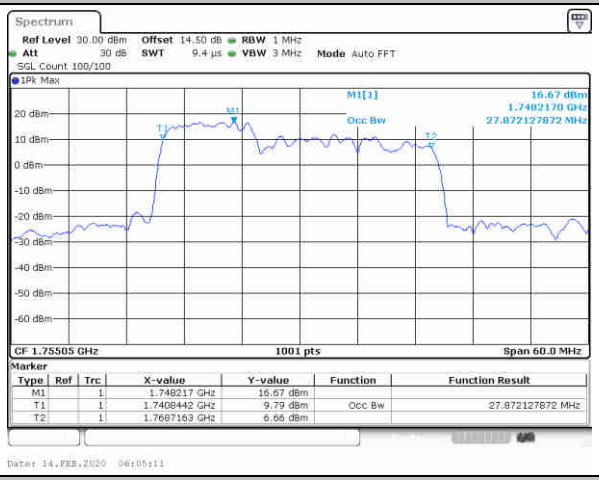
Lowest Channel / 10MHz+20MHz



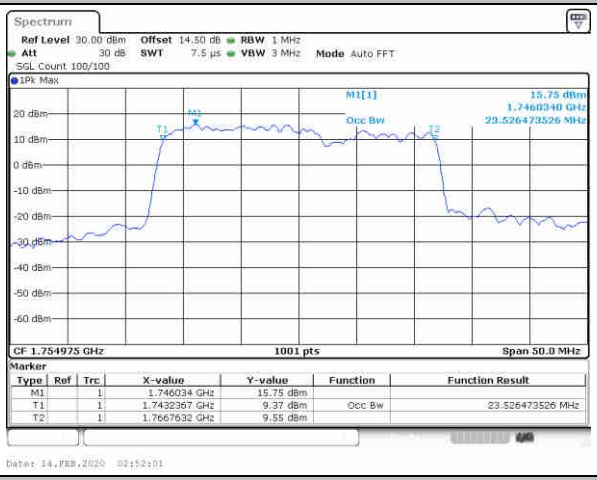
Lowest Channel / 15MHz+10MHz



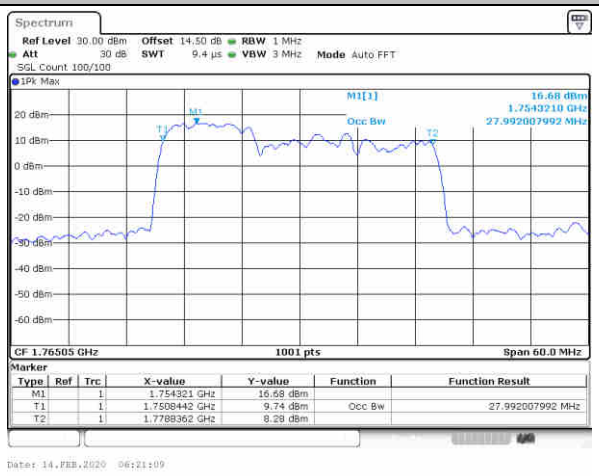
Middle Channel / 10MHz+20MHz



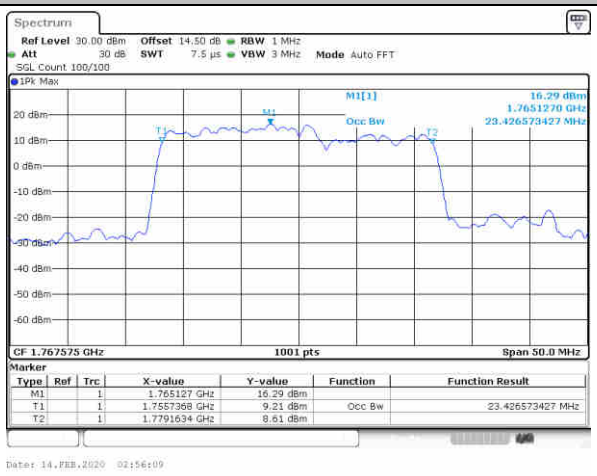
Middle Channel / 15MHz+10MHz

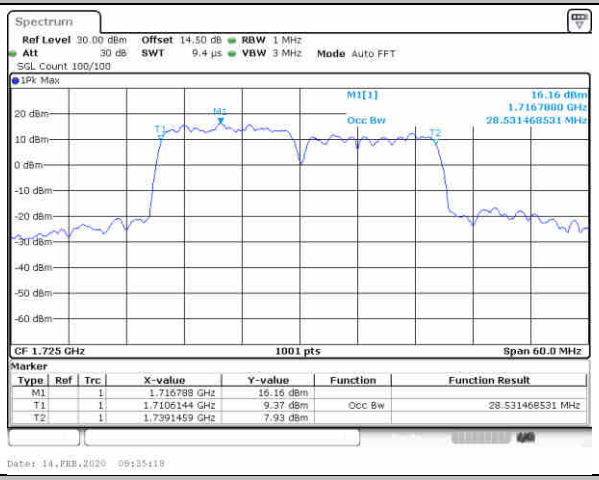
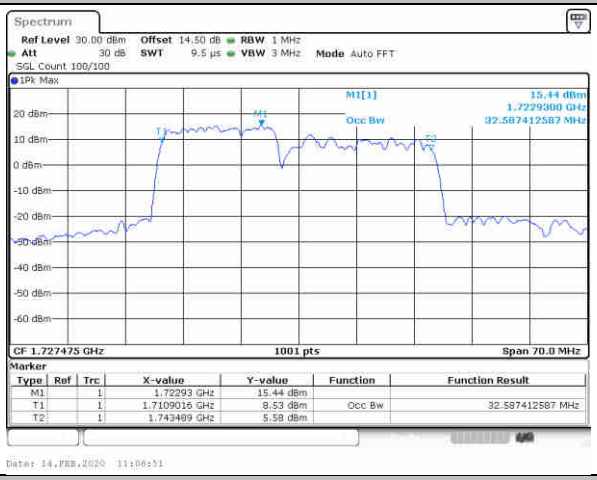
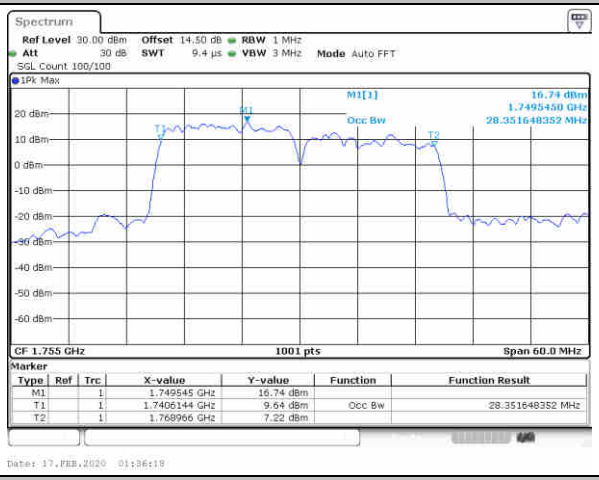
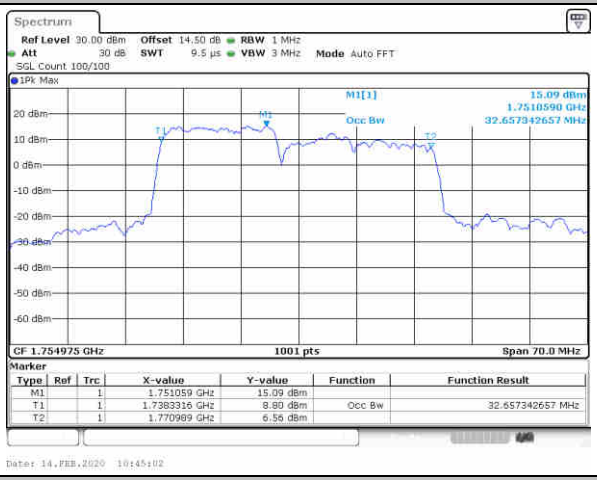
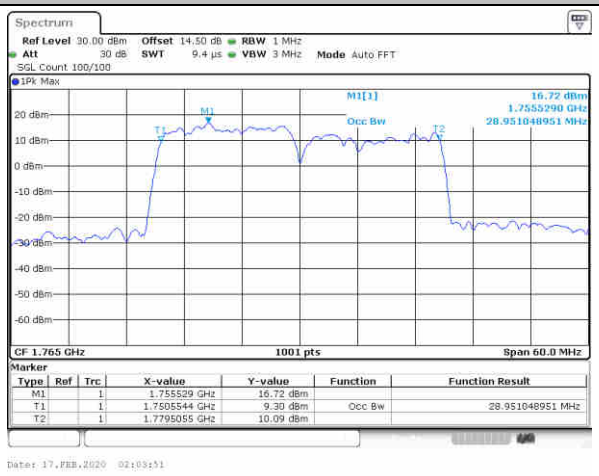
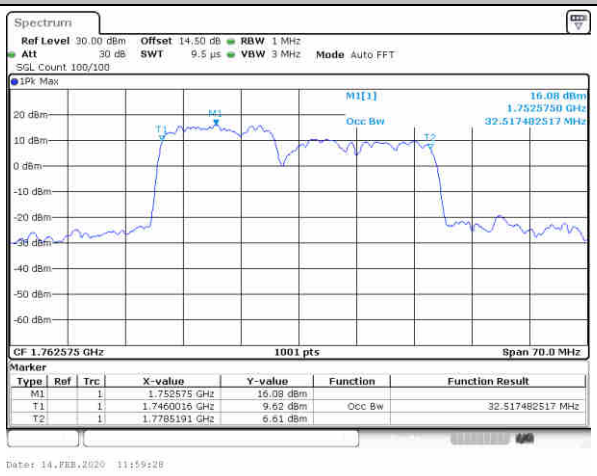


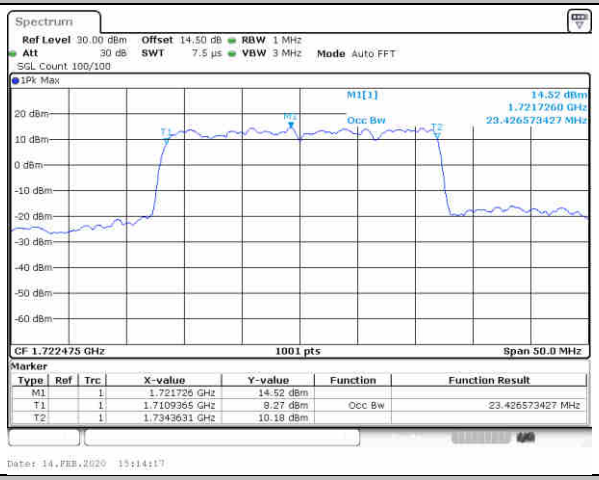
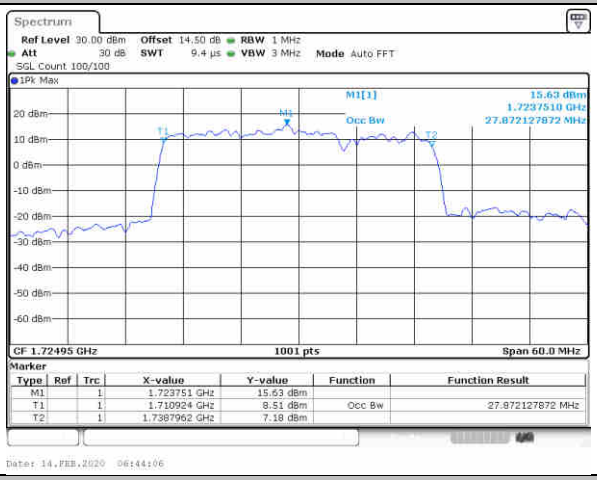
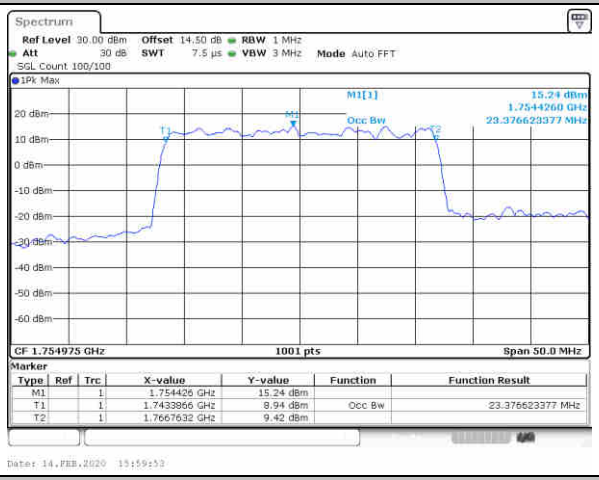
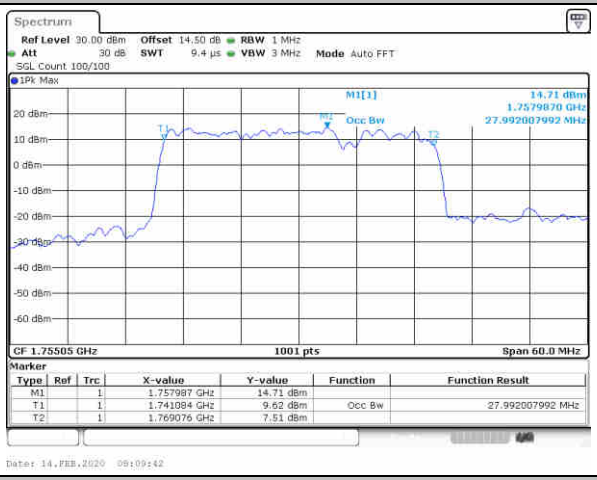
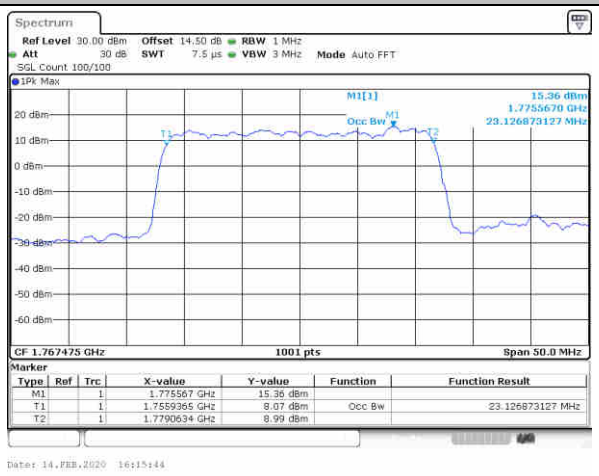
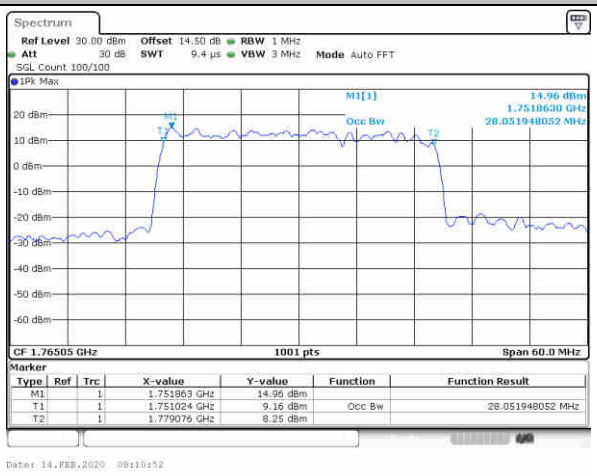
Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz



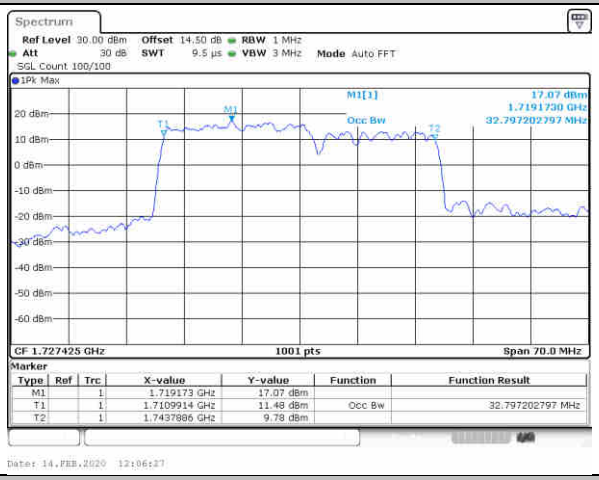
LTE Band 66C	
QPSK	
Lowest Channel / 15MHz+15MHz	Lowest Channel / 15MHz+20MHz
	
Middle Channel / 15MHz+15MHz	Middle Channel / 15MHz+20MHz
	
Highest Channel / 15MHz+15MHz	Highest Channel / 15MHz+20MHz
	

LTE Band 66C	
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
	

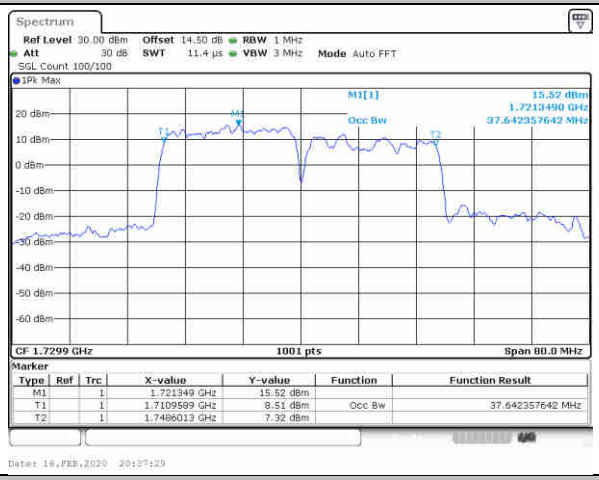
LTE Band 66C

QPSK

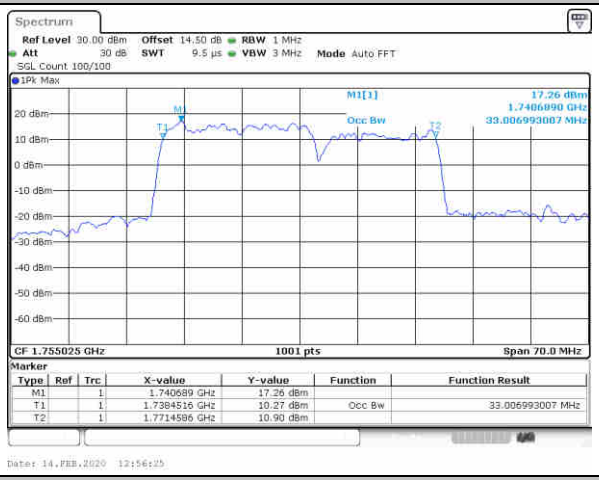
Lowest Channel / 20MHz+15MHz



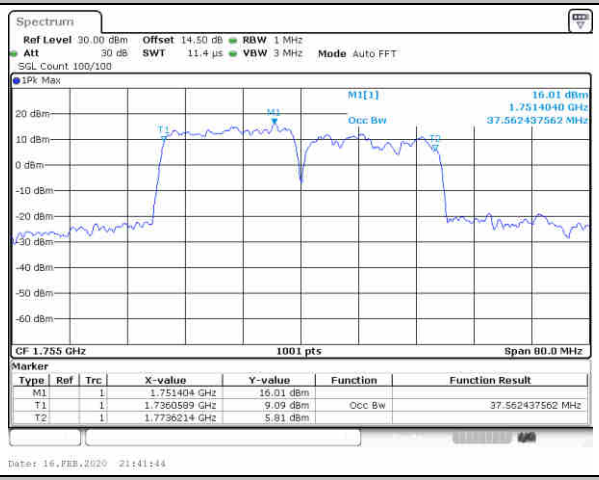
Lowest Channel / 20MHz+20MHz



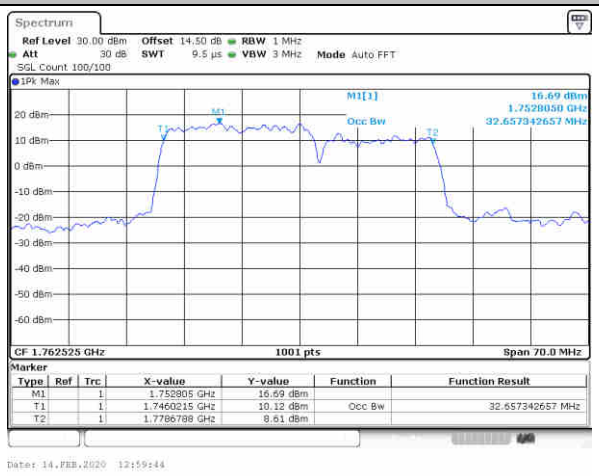
Middle Channel / 20MHz+15MHz



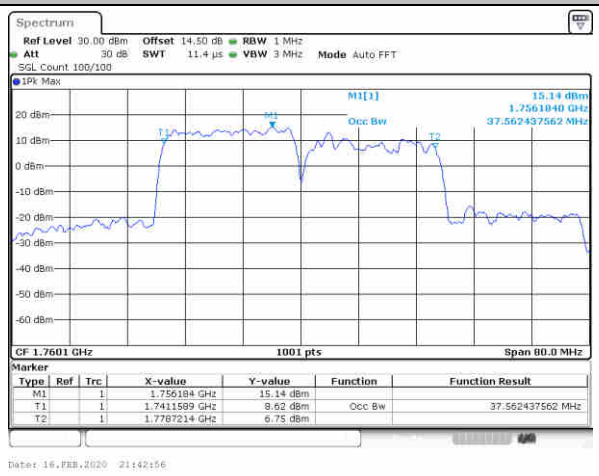
Middle Channel / 20MHz+20MHz

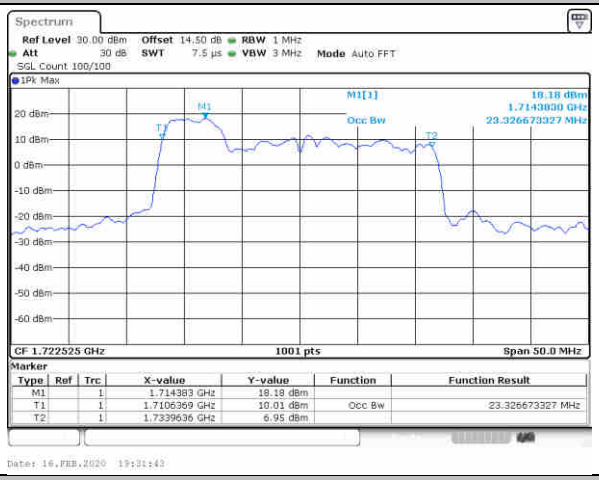
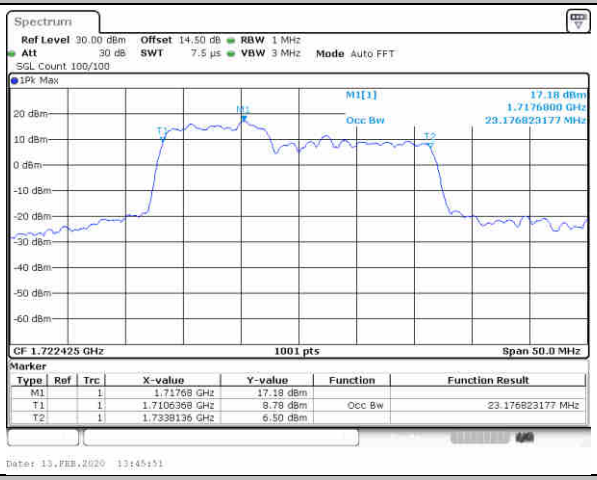
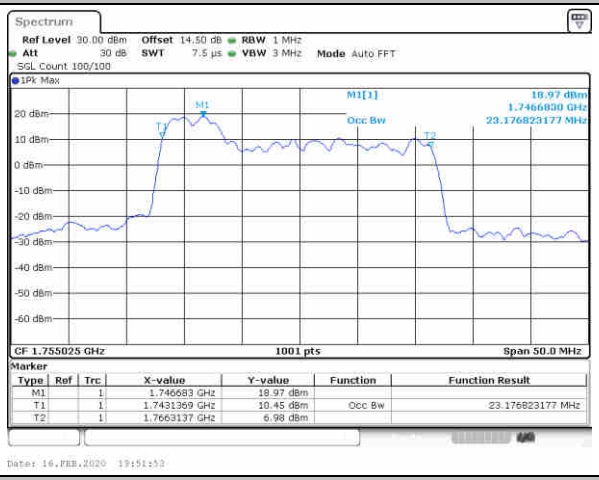
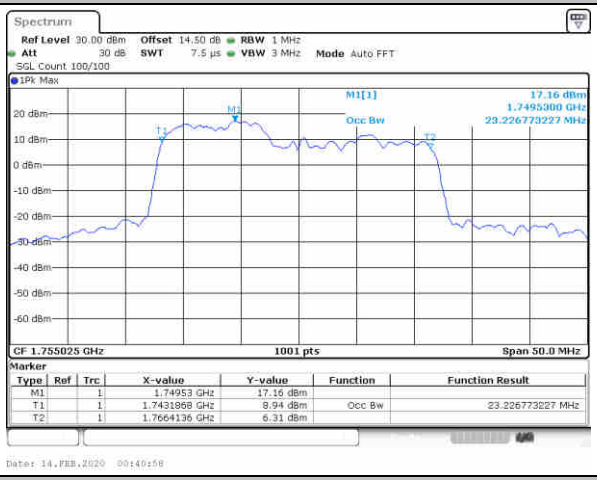
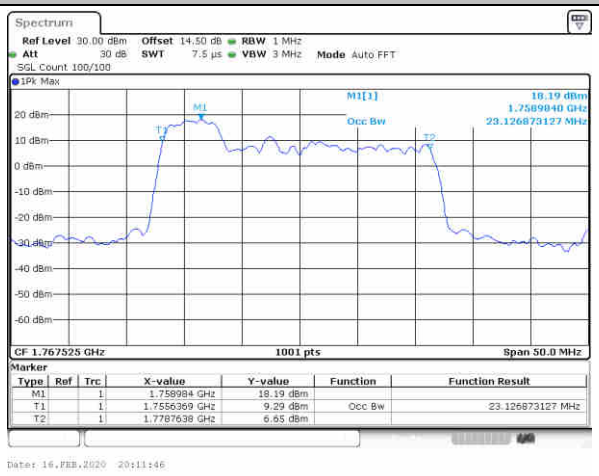
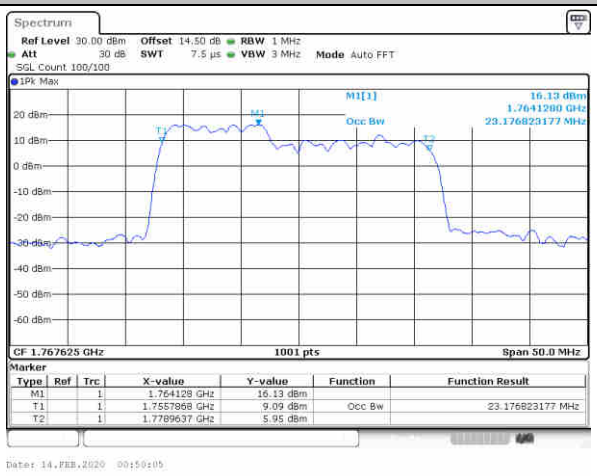


Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

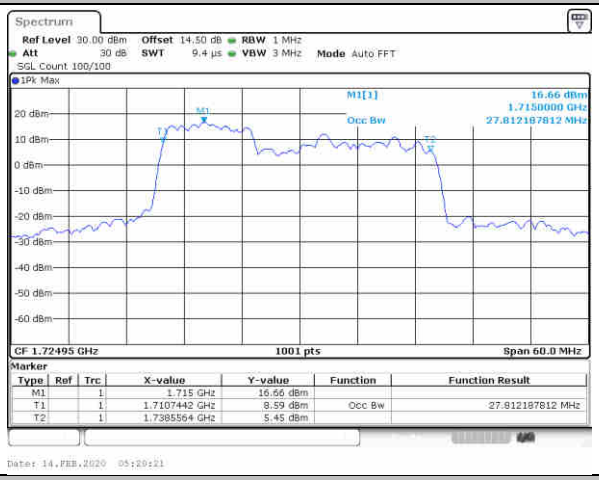


LTE Band 66C	
16QAM	
Lowest Channel / 5MHz+20MHz	Lowest Channel / 10MHz+15MHz
	
Middle Channel / 5MHz+20MHz	Middle Channel / 10MHz+15MHz
	
Highest Channel / 5MHz+20MHz	Highest Channel / 10MHz+15MHz
	

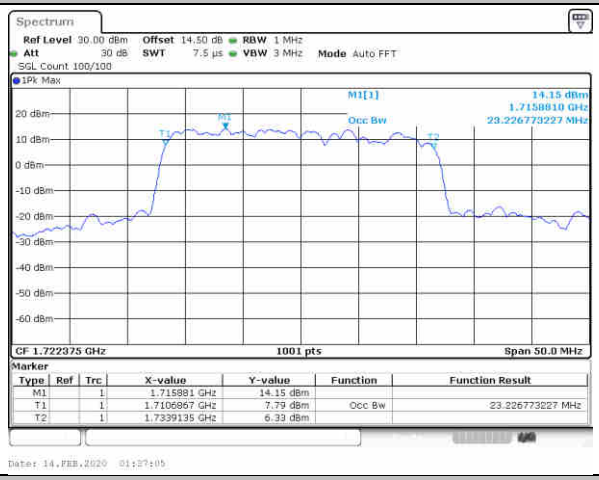
LTE Band 66C

16QAM

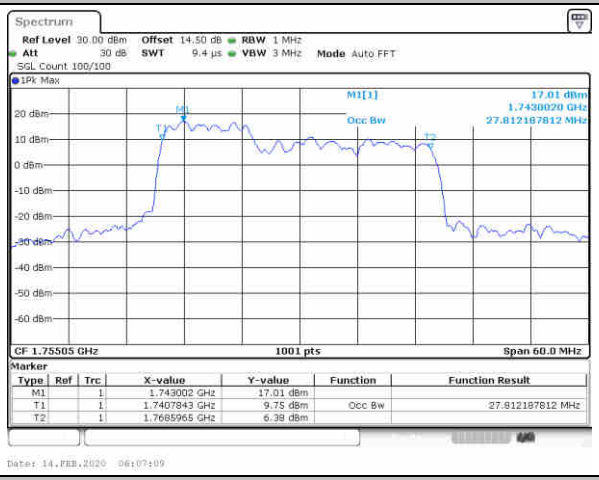
Lowest Channel / 10MHz+20MHz



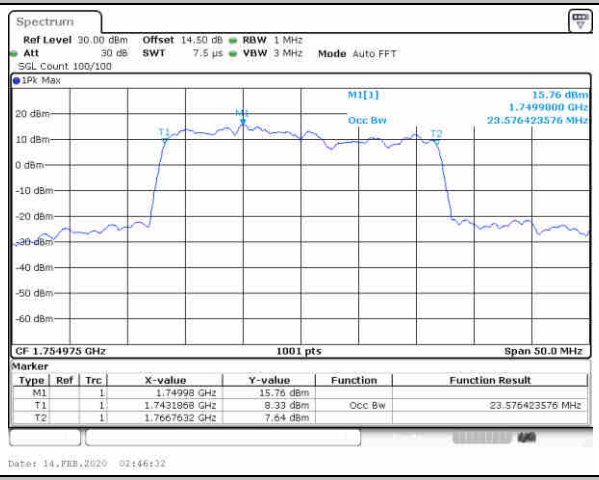
Lowest Channel / 15MHz+10MHz



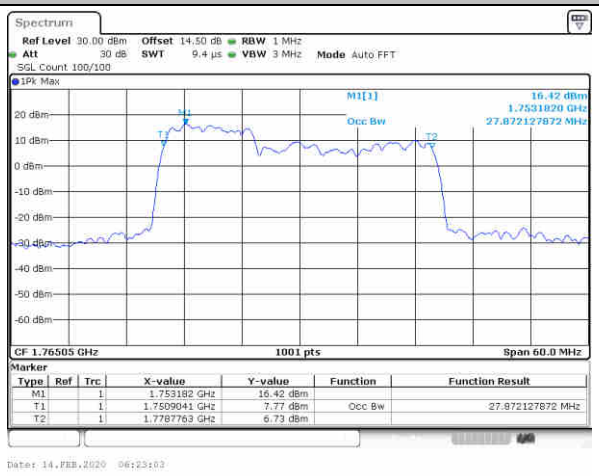
Middle Channel / 10MHz+20MHz



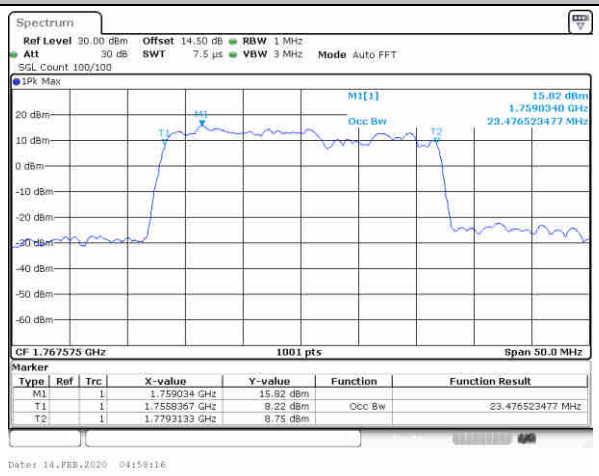
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



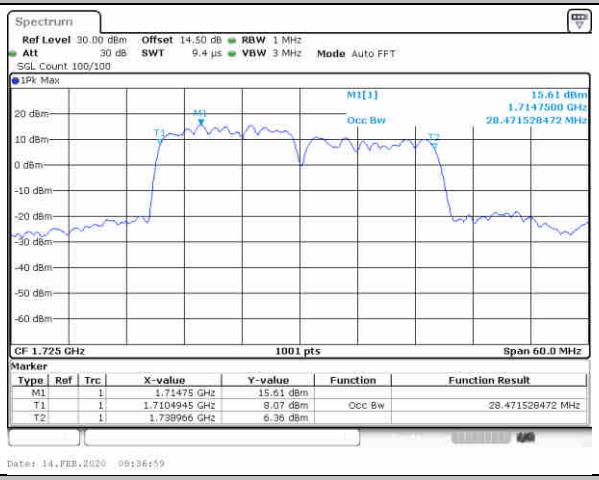
Highest Channel / 15MHz+10MHz



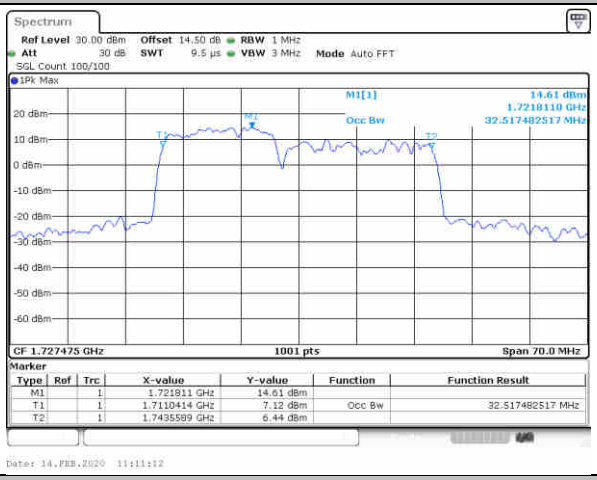
LTE Band 66C

16QAM

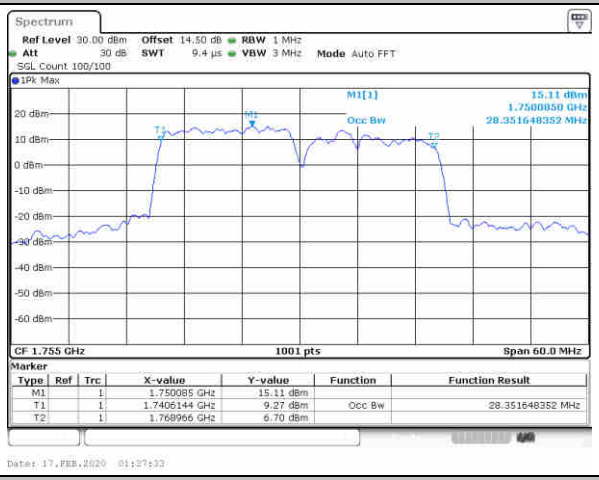
Lowest Channel / 15MHz+15MHz



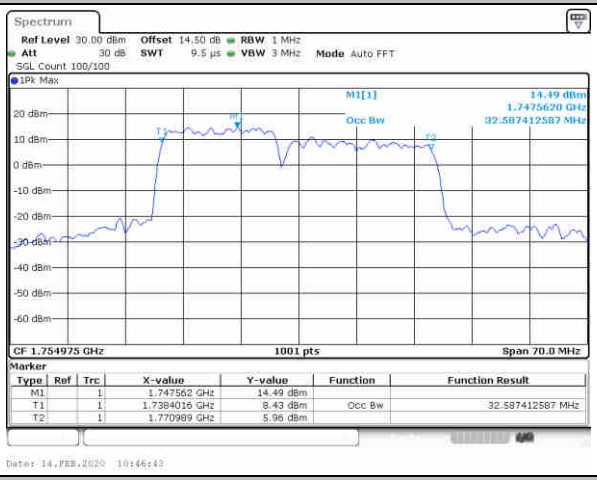
Lowest Channel / 15MHz+20MHz



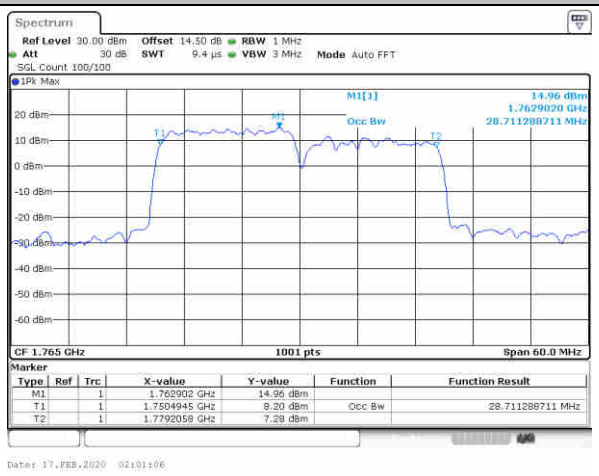
Middle Channel / 15MHz+15MHz



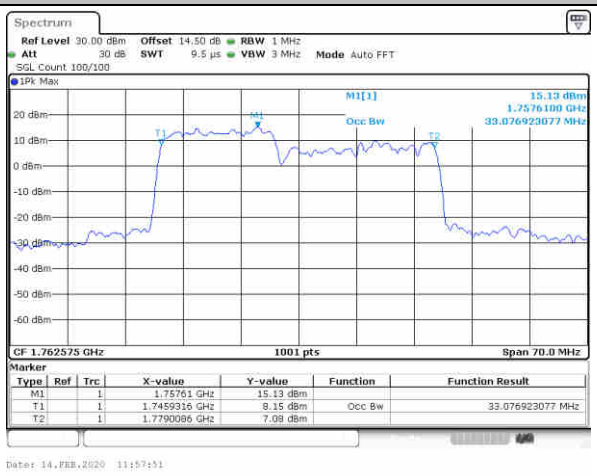
Middle Channel / 15MHz+20MHz

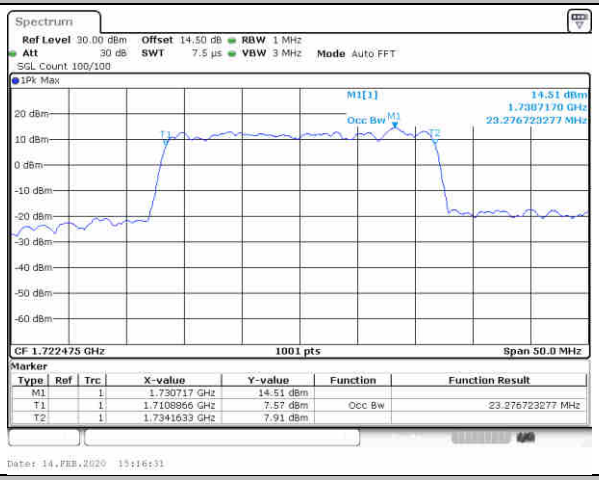
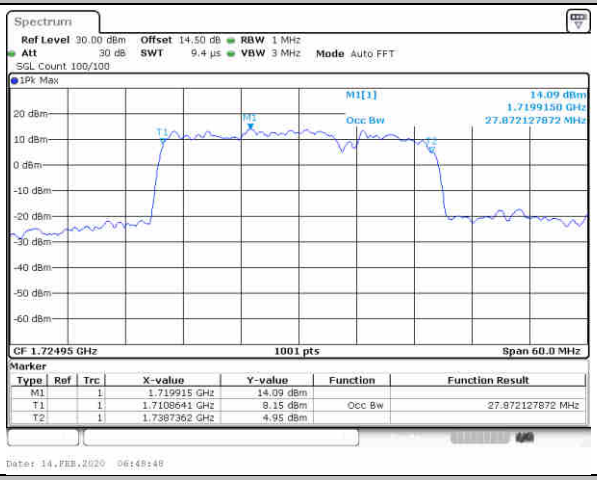
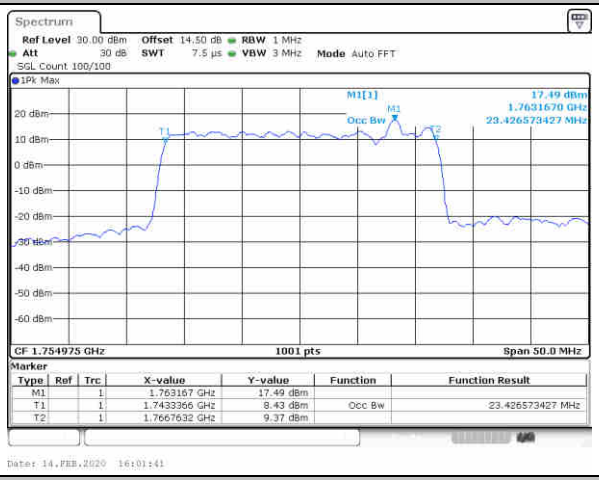
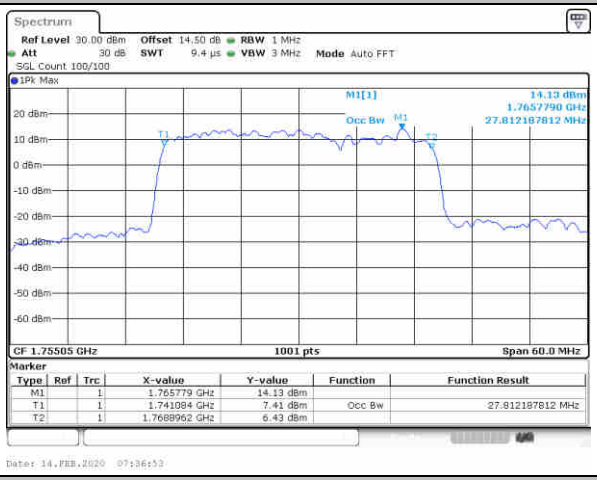
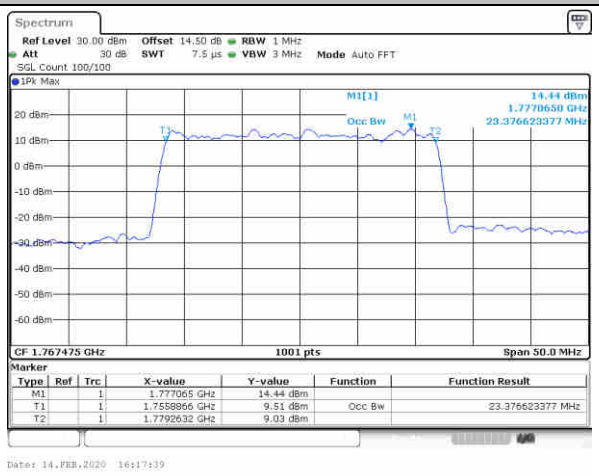
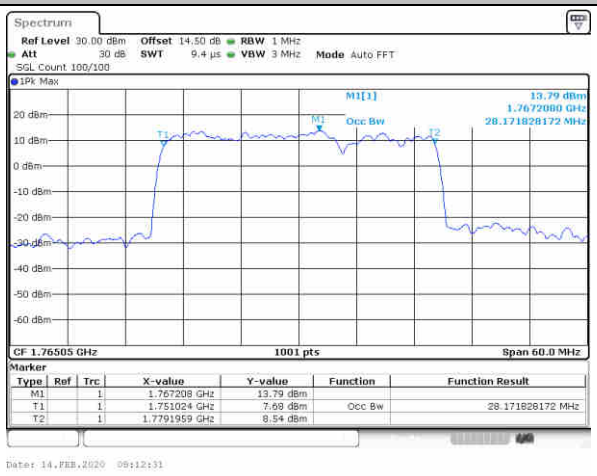


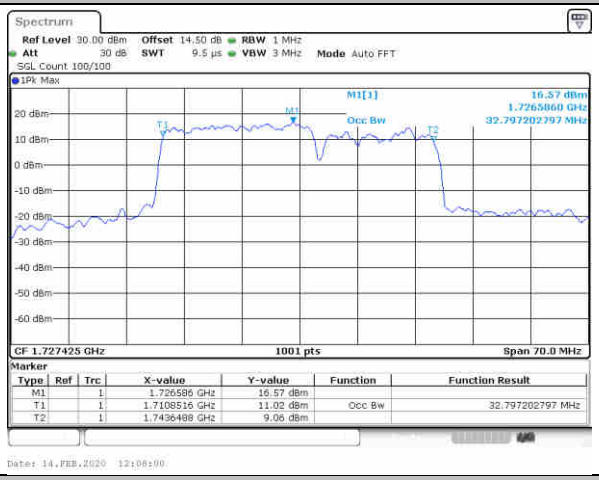
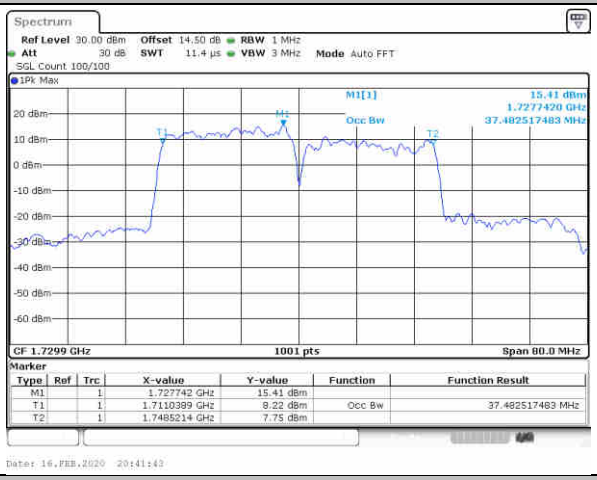
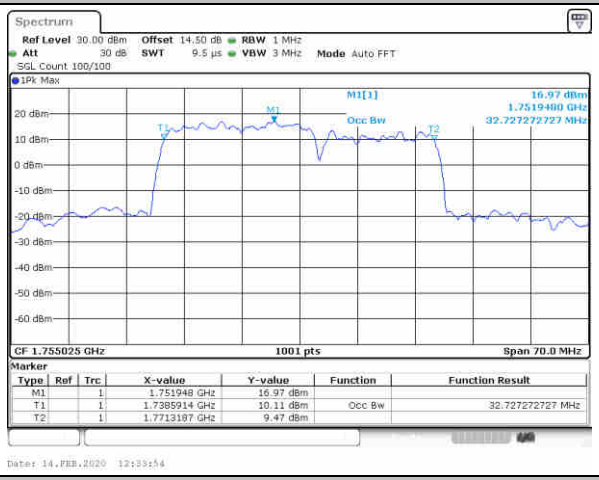
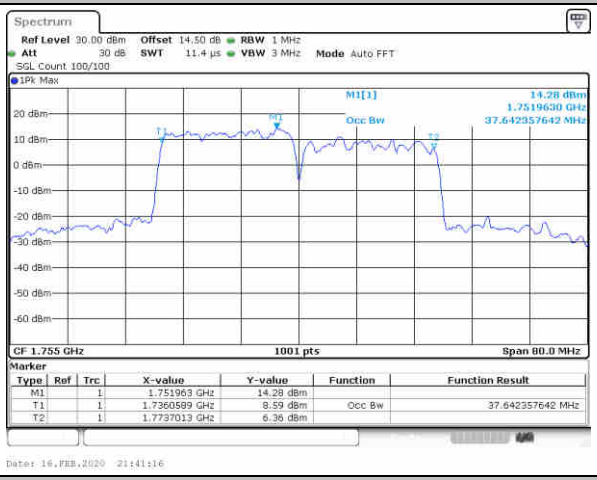
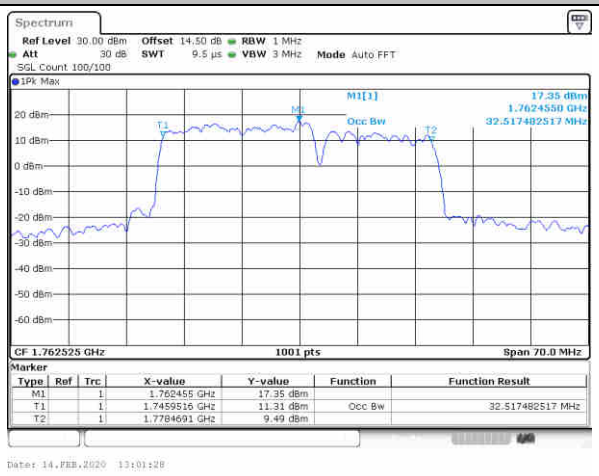
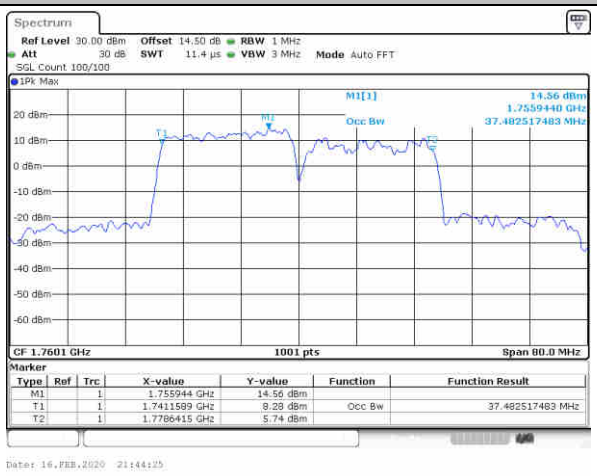
Highest Channel / 15MHz+15MHz

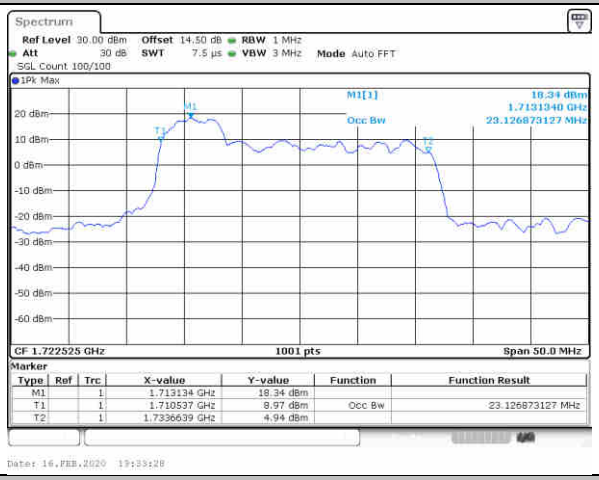
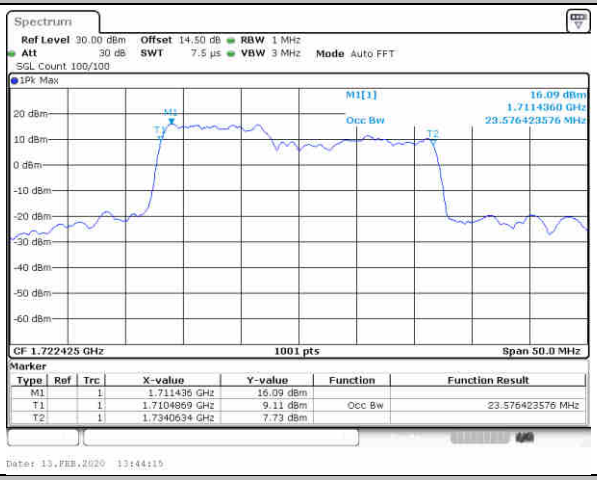
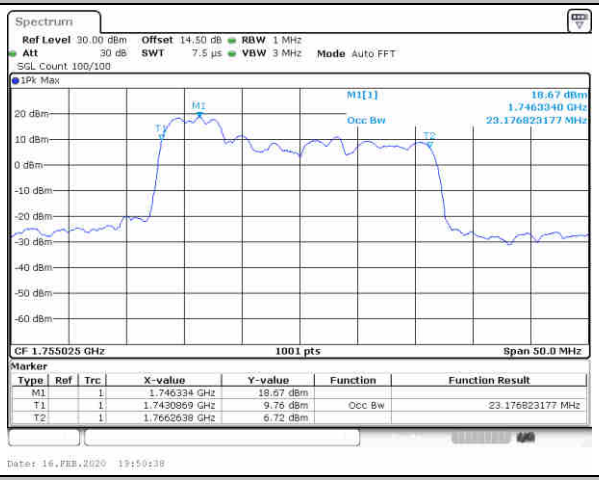
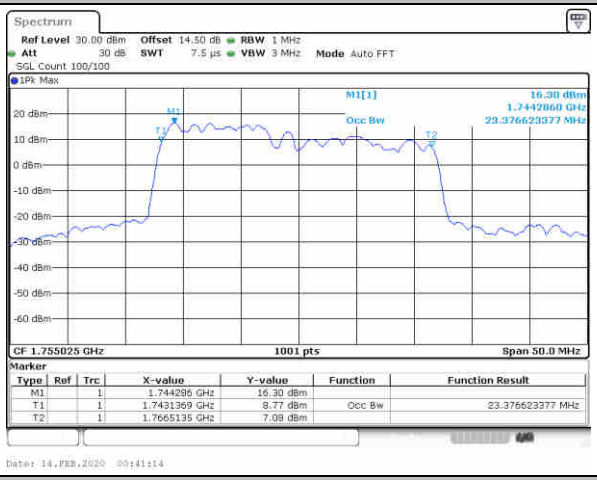
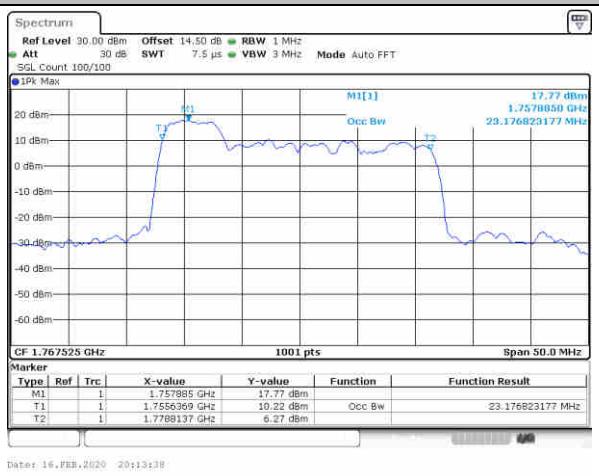
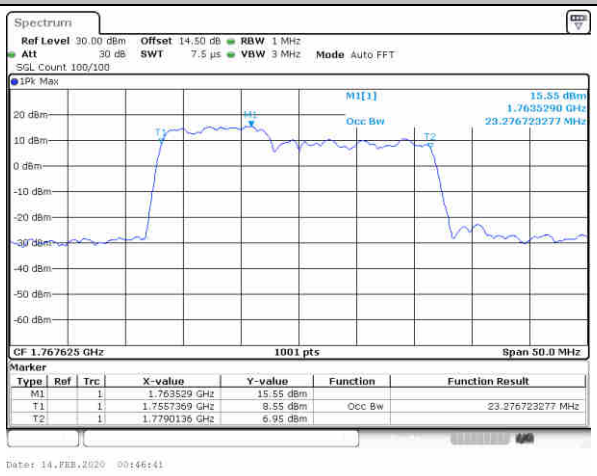


Highest Channel / 15MHz+20MHz



LTE Band 66C	
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
	

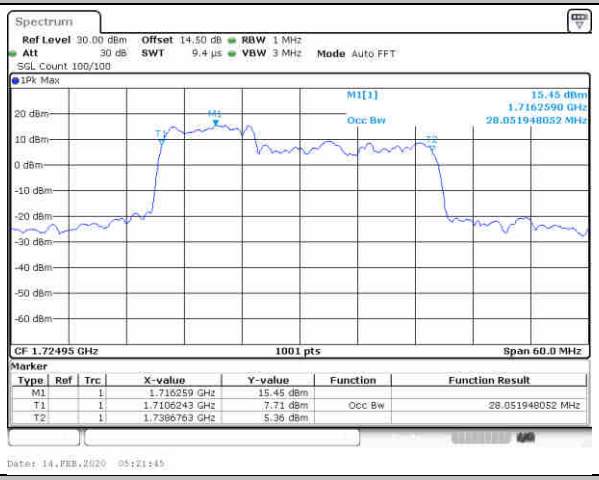
LTE Band 66C	
16QAM	
Lowest Channel / 20MHz+15MHz	Lowest Channel / 20MHz+20MHz
	
Middle Channel / 20MHz+15MHz	Middle Channel / 20MHz+20MHz
	
Highest Channel / 20MHz+15MHz	Highest Channel / 20MHz+20MHz
	

LTE Band 66C	
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
	

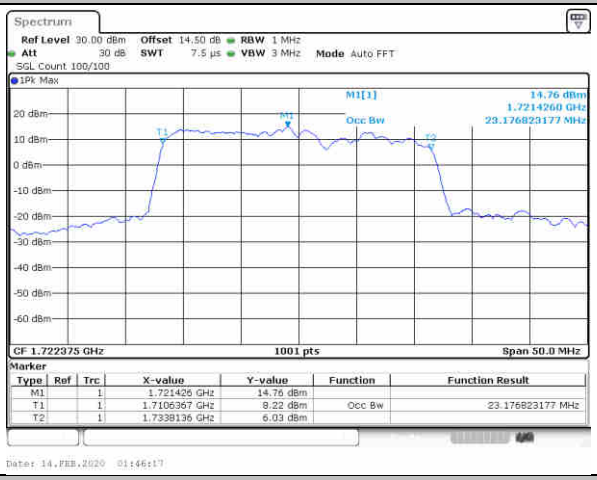
LTE Band 66C

64QAM

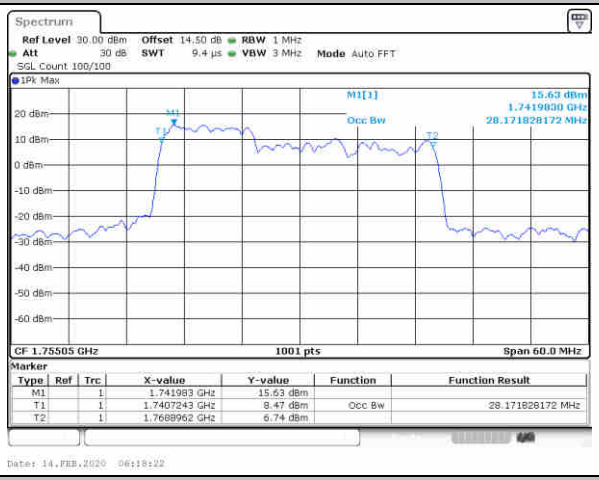
Lowest Channel / 10MHz+20MHz



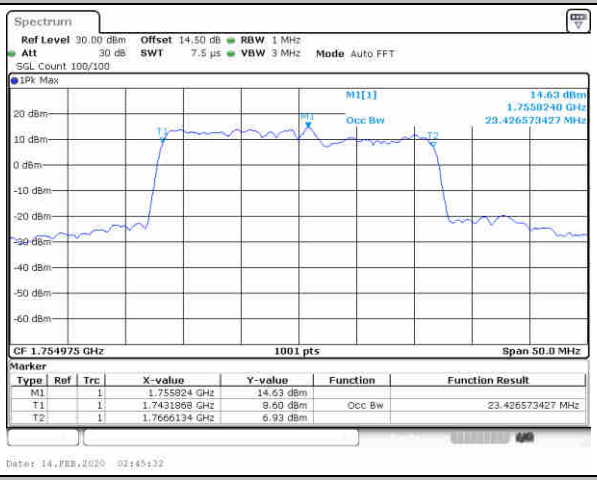
Lowest Channel / 15MHz+10MHz



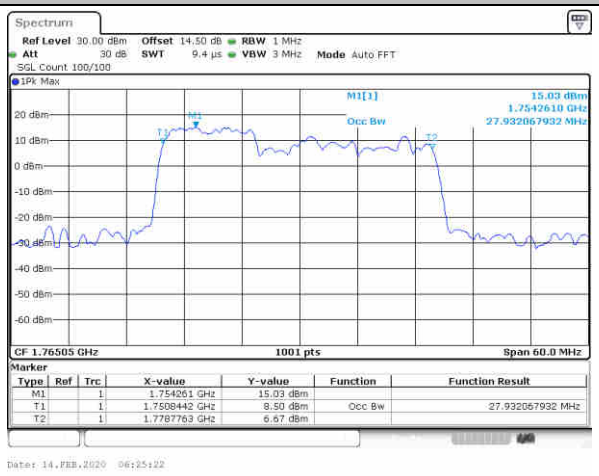
Middle Channel / 10MHz+20MHz



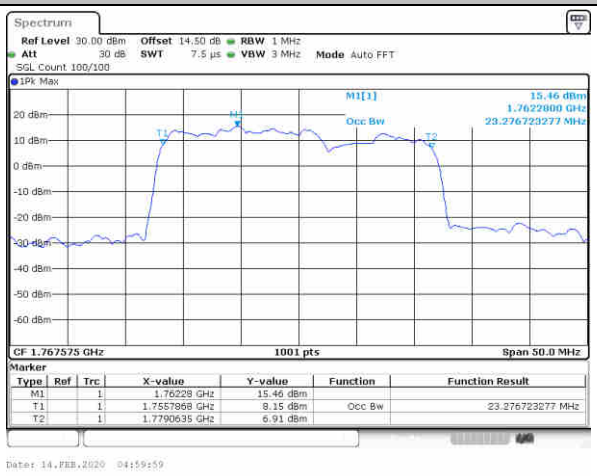
Middle Channel / 15MHz+10MHz

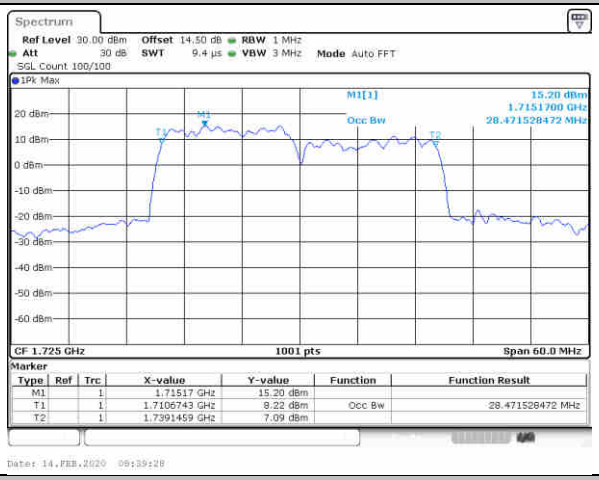
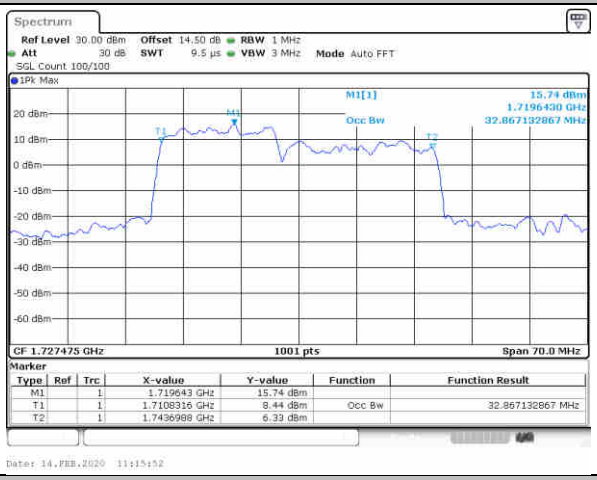
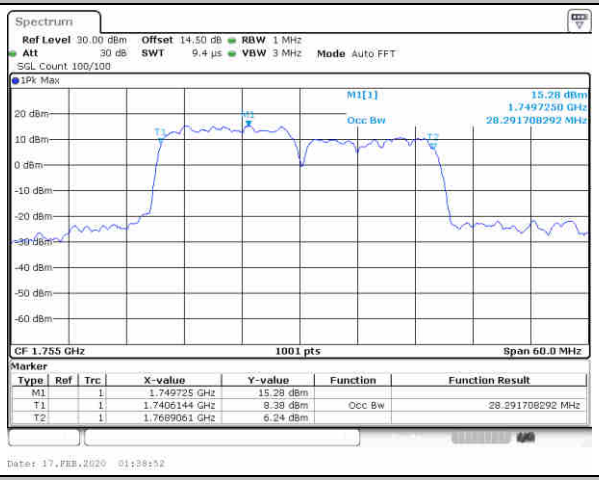
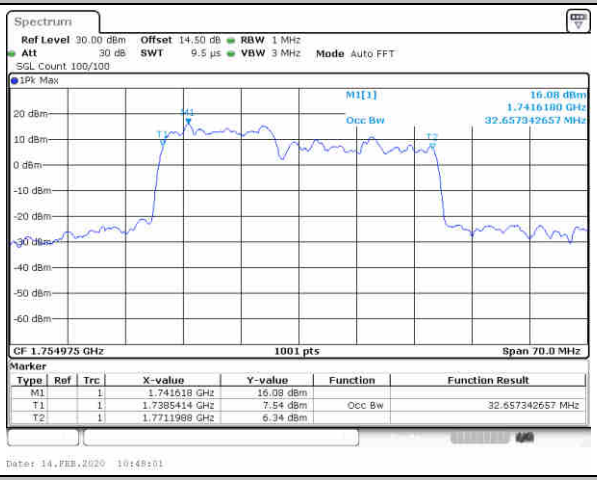


Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz



LTE Band 66C	
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
