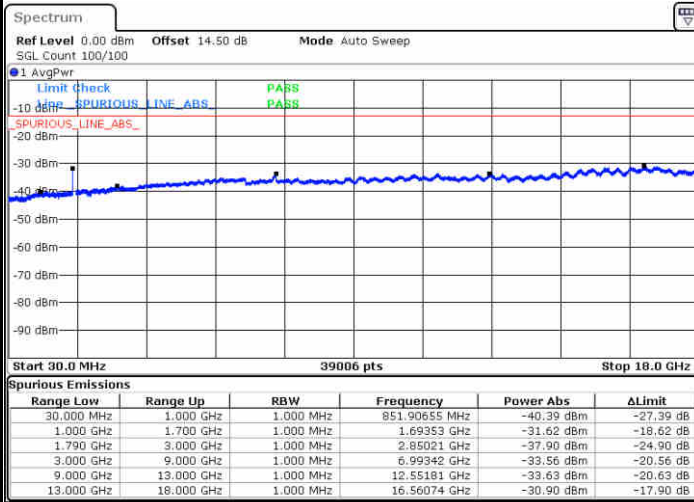




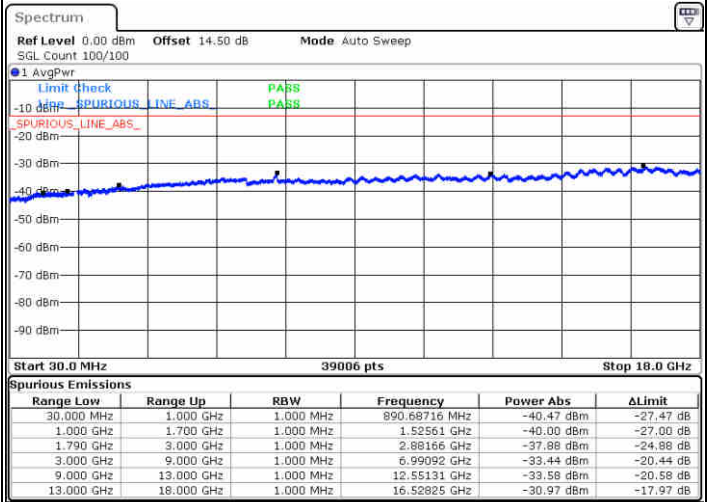
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



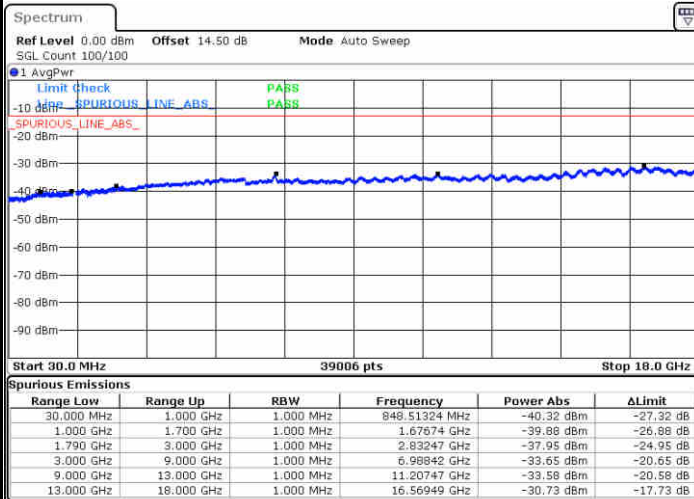
Date: 18.DEC.2019 13:20:40

Middle Channel / 64QAM



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

Highest Channel / 64QAM



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

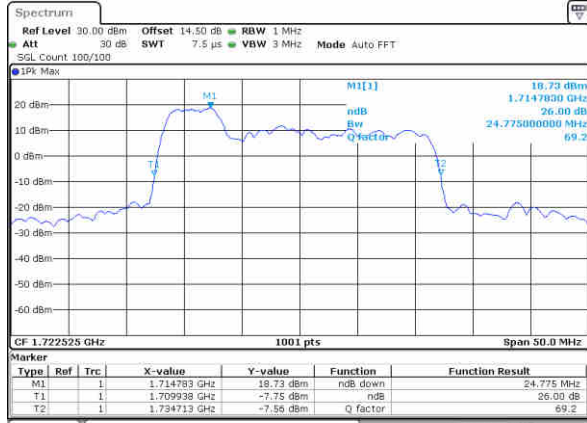
Mode	LTE Band 66C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.13	29.85	25.18	30.63
Middle CH	24.68	25.03	29.85	25.38	30.45
Highest CH	24.78	25.08	29.85	25.28	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	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

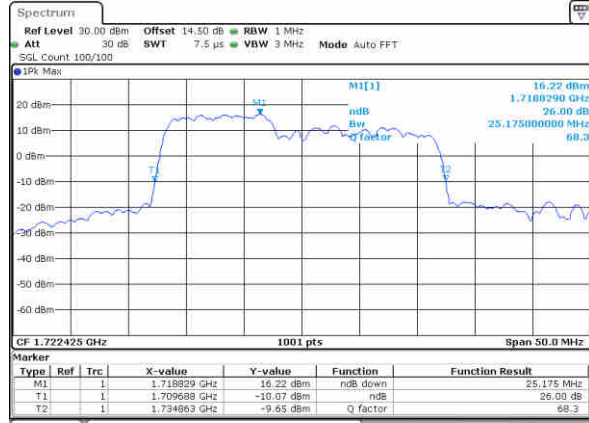
QPSK

Lowest Channel / 5MHz+20MHz



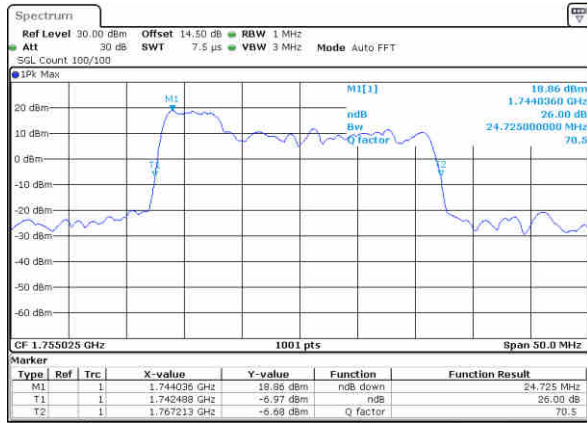
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Lowest Channel / 10MHz+15MHz



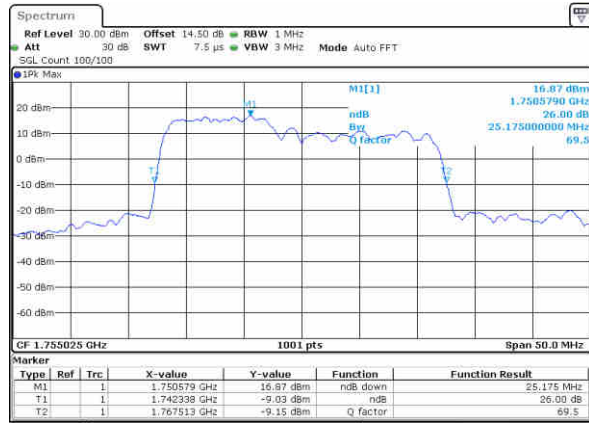
Date: 13.FEB.2020 13:49:04

Middle Channel / 5MHz+20MHz



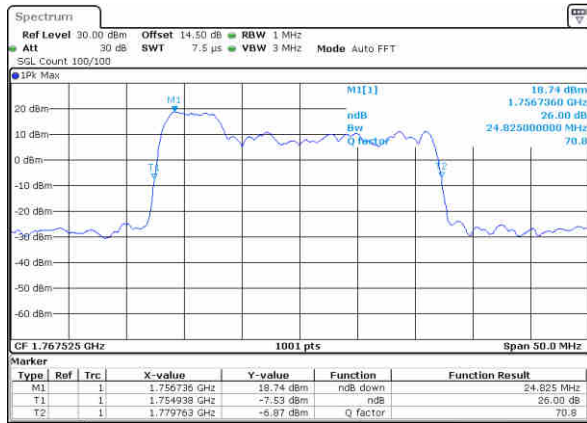
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Middle Channel / 10MHz+15MHz



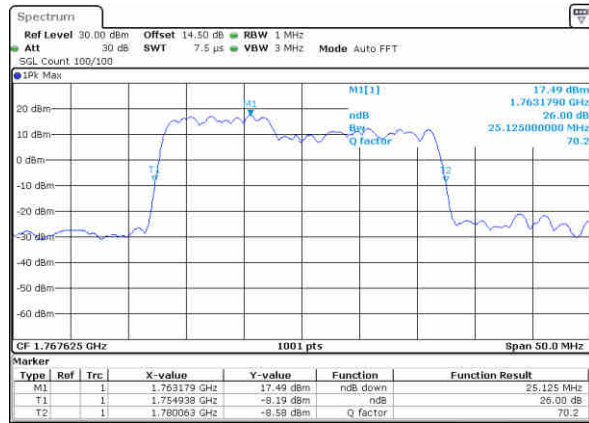
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Highest Channel / 5MHz+20MHz



Date: 16.FEB.2020 20:19:17

Highest Channel / 10MHz+15MHz



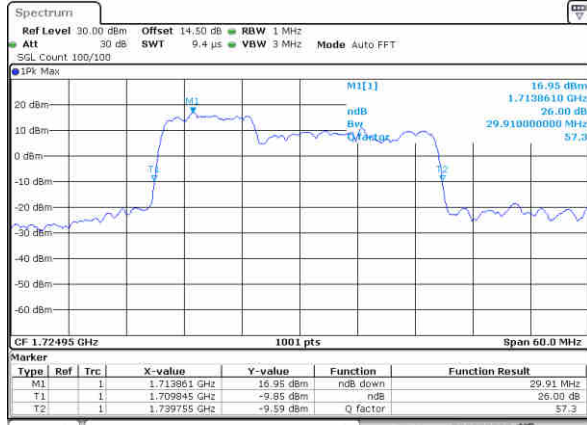
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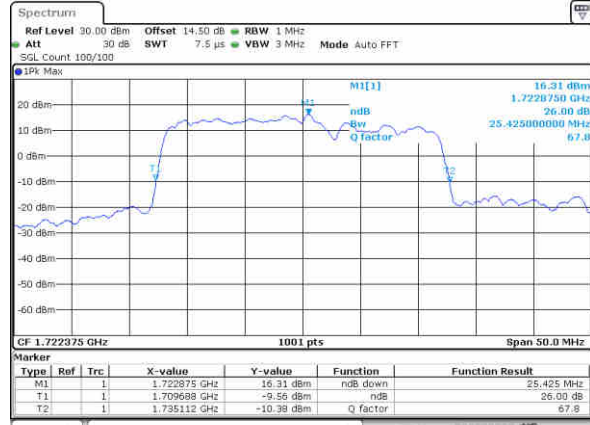
LTE Band 66C

QPSK

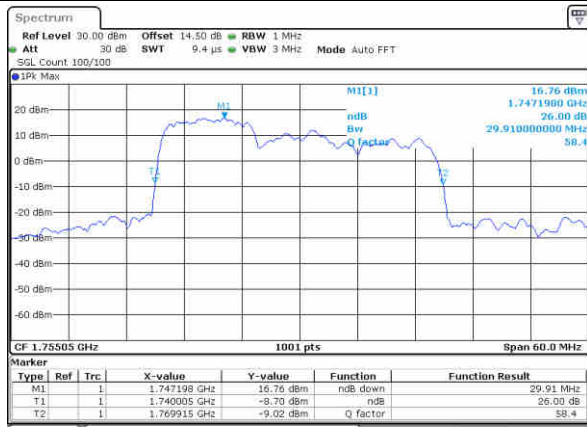
Lowest Channel / 10MHz+20MHz



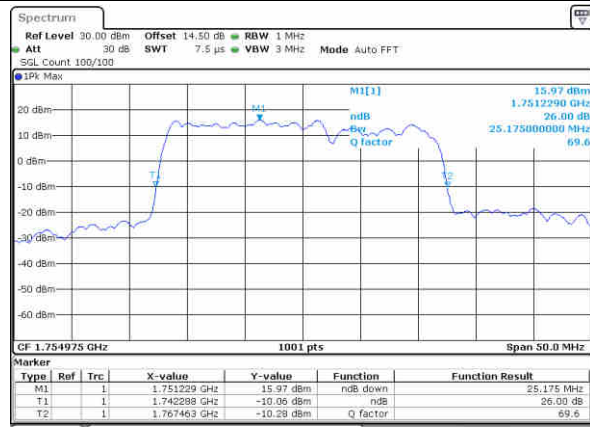
Lowest Channel / 15MHz+10MHz



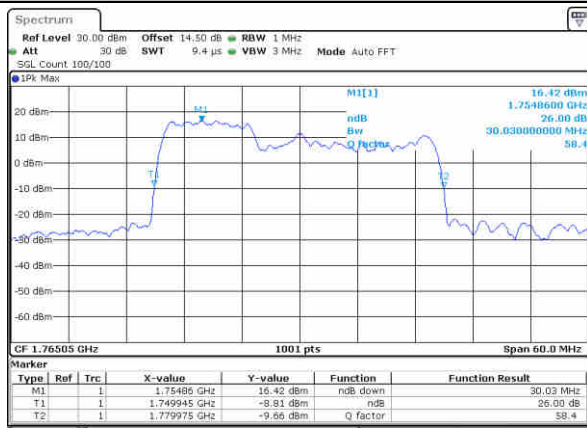
Middle Channel / 10MHz+20MHz



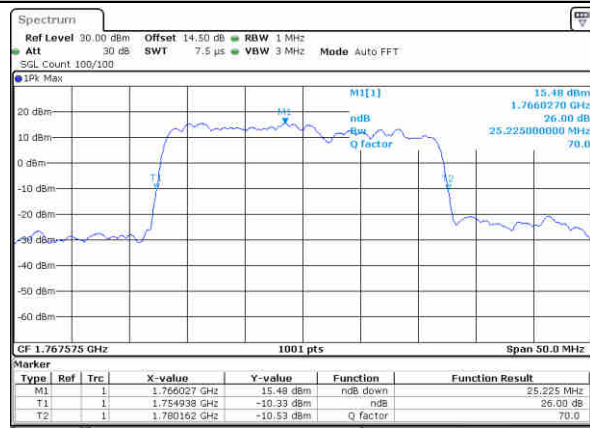
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

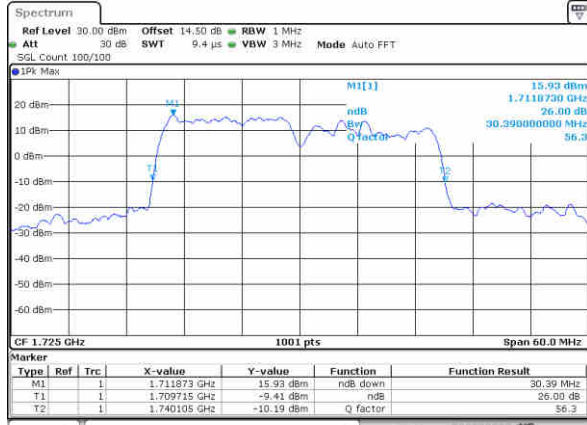




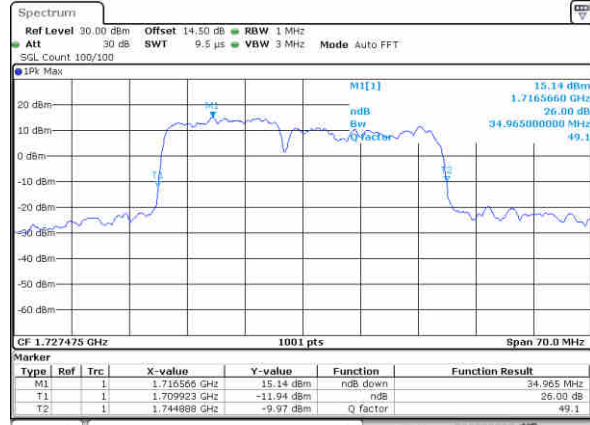
LTE Band 66C

QPSK

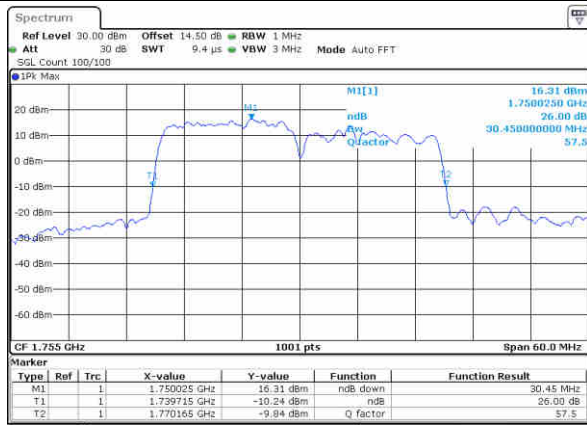
Lowest Channel / 15MHz+15MHz



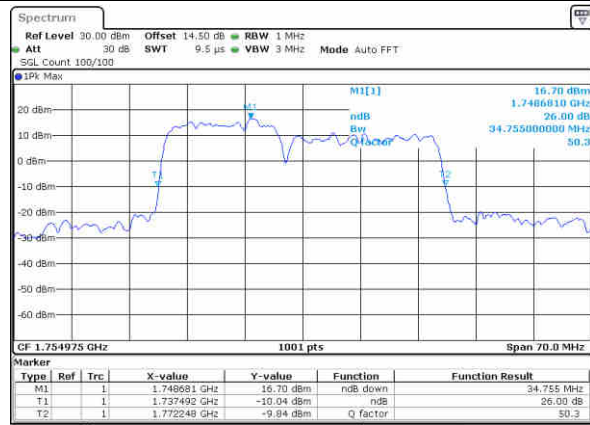
Lowest Channel / 15MHz+20MHz



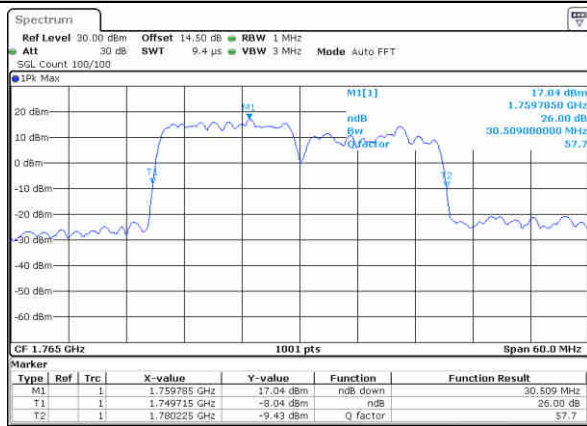
Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

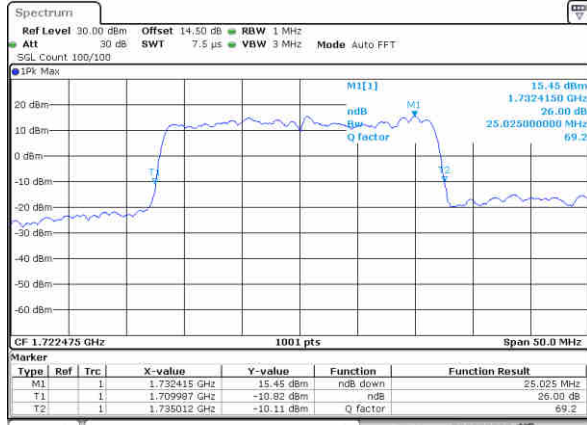




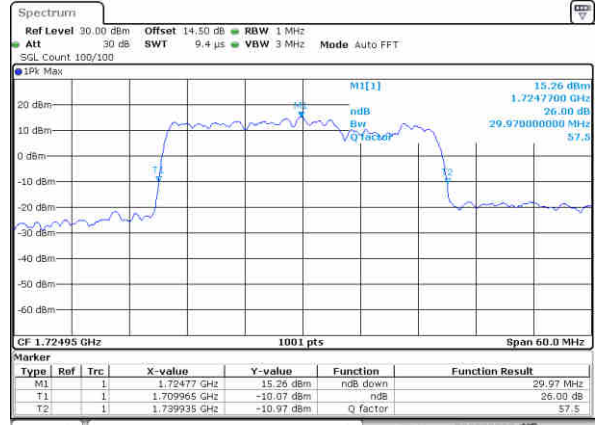
LTE Band 66C

QPSK

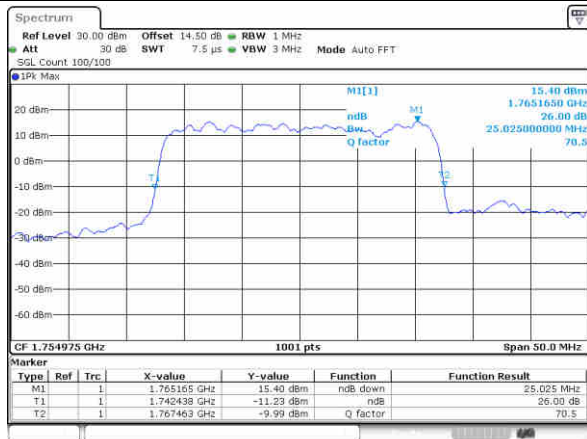
Lowest Channel / 20MHz+5MHz



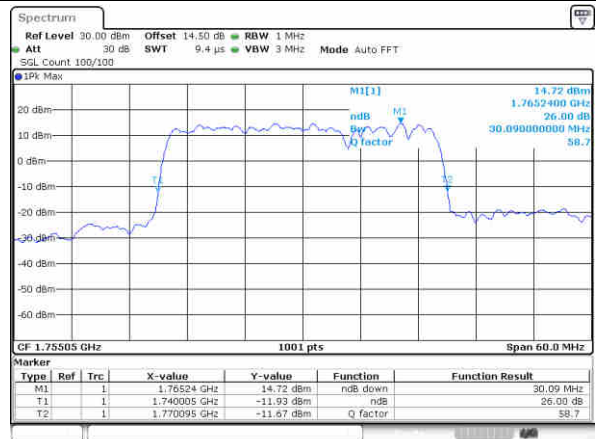
Lowest Channel / 20MHz+10MHz



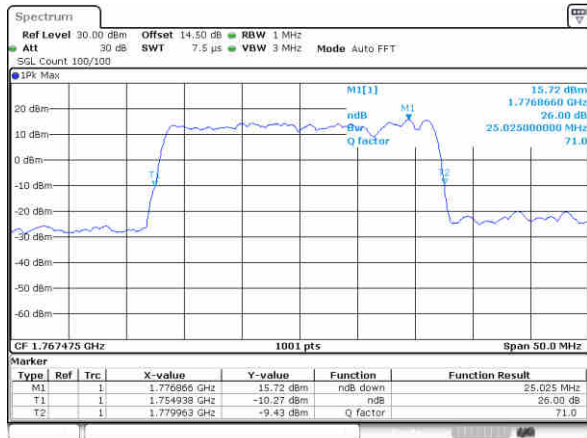
Middle Channel / 20MHz+5MHz



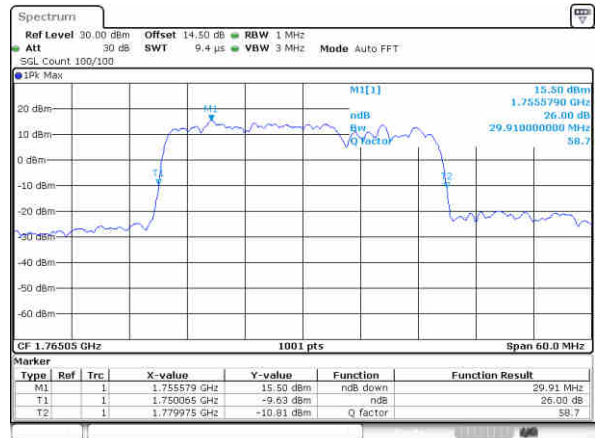
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

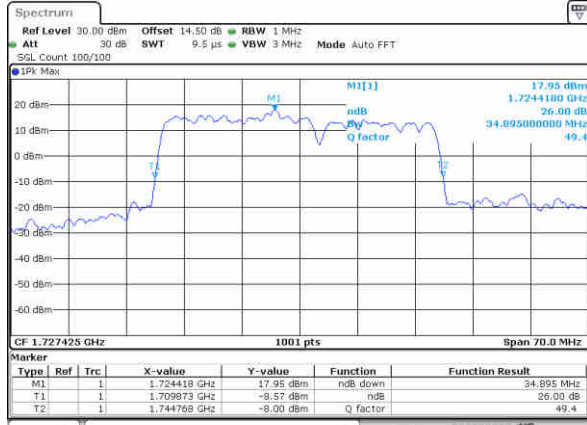




LTE Band 66C

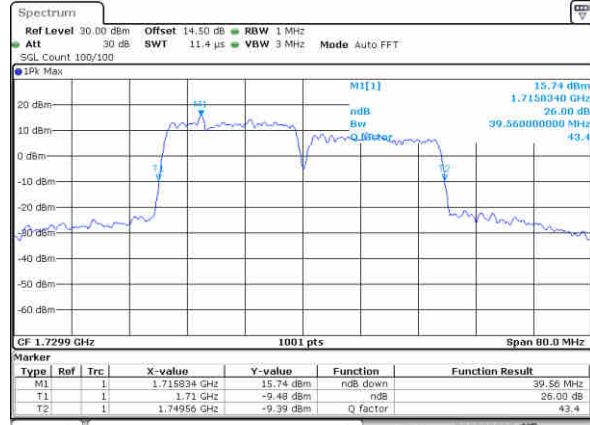
QPSK

Lowest Channel / 20MHz+15MHz



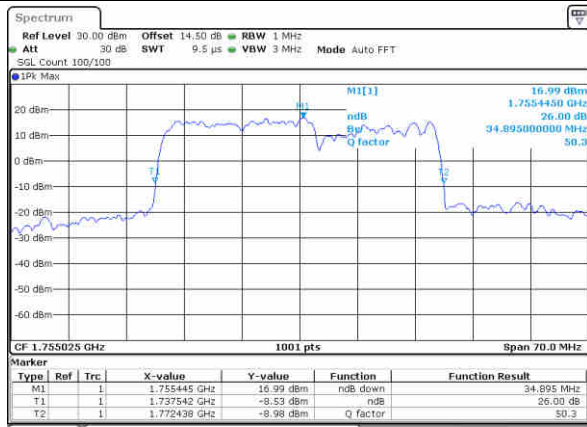
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Lowest Channel / 20MHz+20MHz



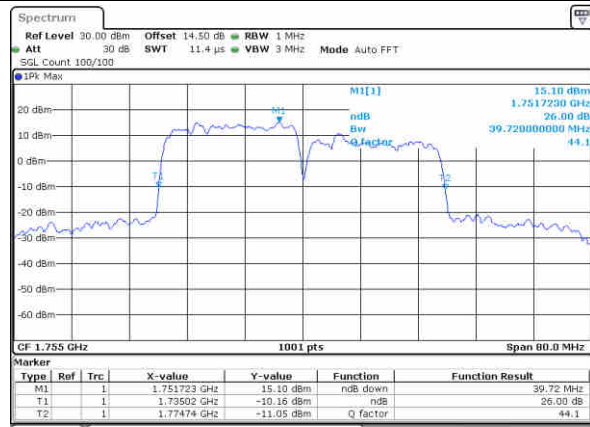
Date: 16.FEB.2020 20:17:49

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2020 12:56:32

Middle Channel / 20MHz+20MHz



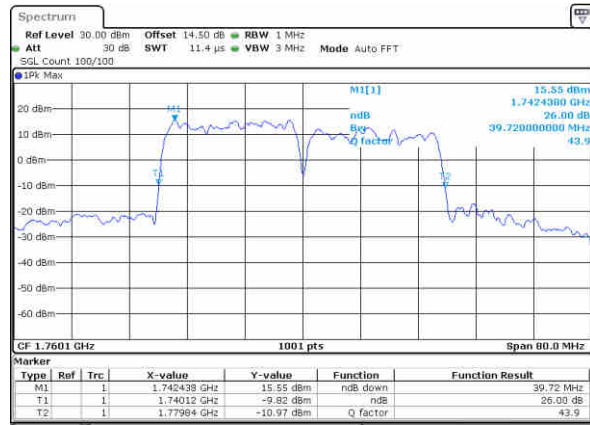
Date: 16.FEB.2020 21:41:51

Highest Channel / 20MHz+15MHz



Date: 14.FEB.2020 12:59:53

Highest Channel / 20MHz+20MHz



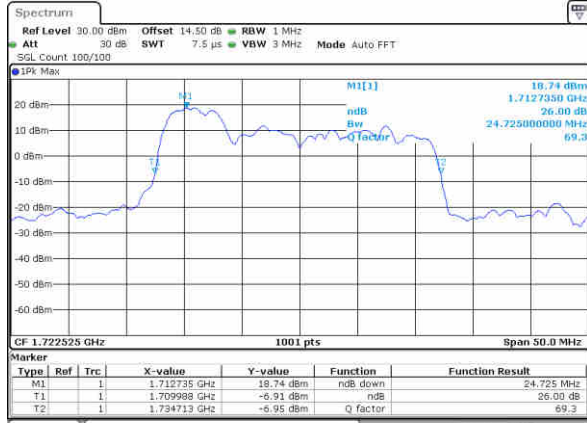
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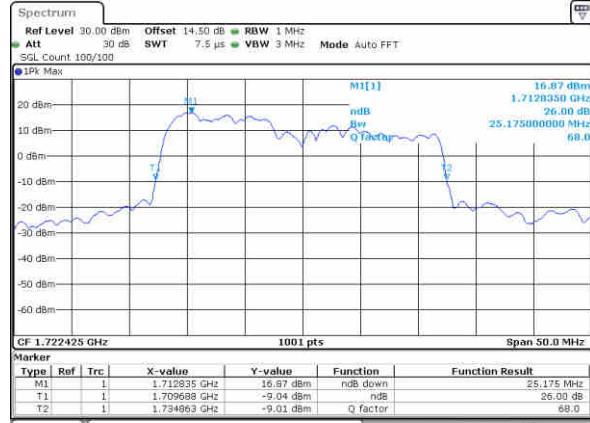
LTE Band 66C

16QAM

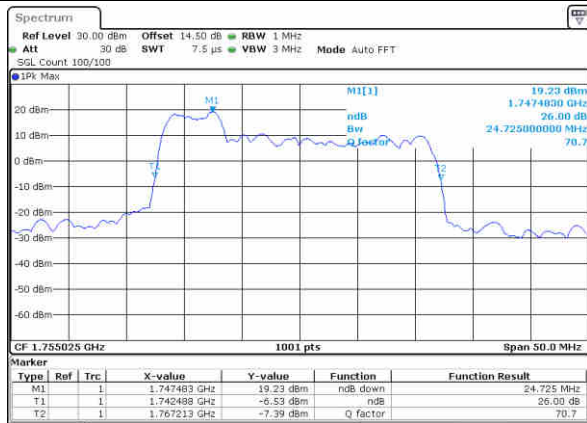
Lowest Channel / 5MHz+20MHz



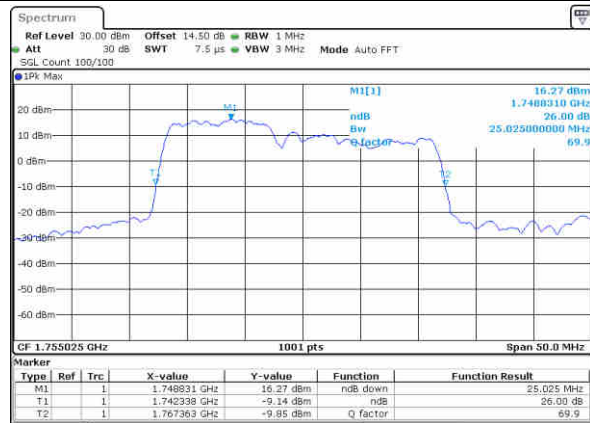
Lowest Channel / 10MHz+15MHz



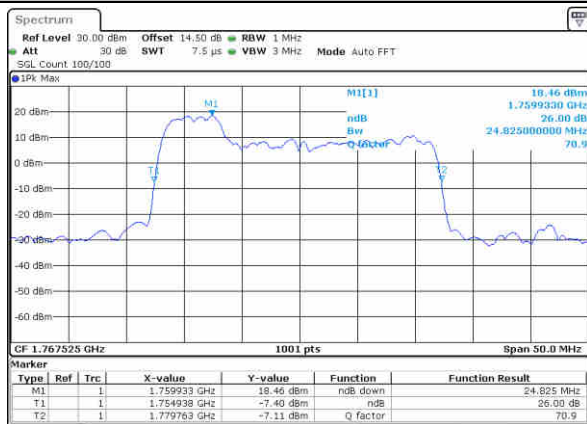
Middle Channel / 5MHz+20MHz



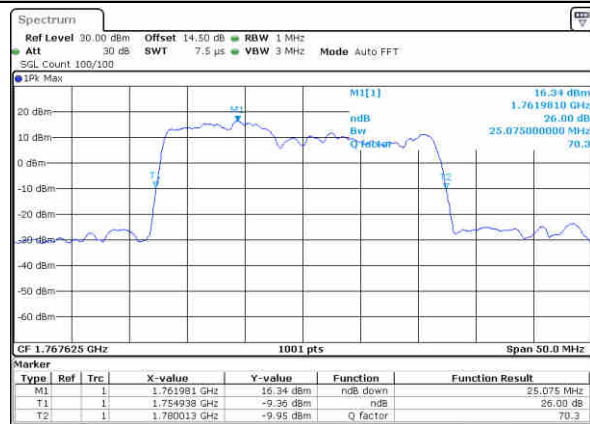
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

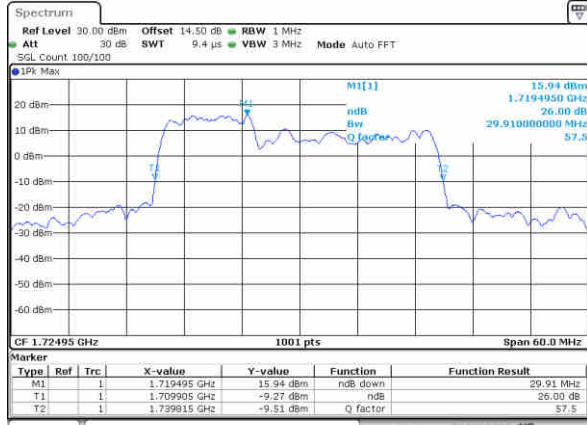




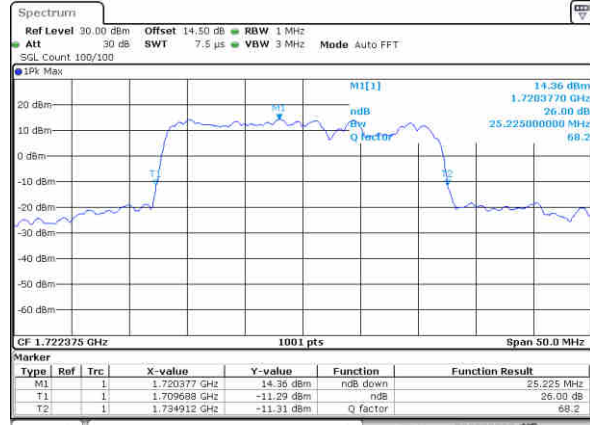
LTE Band 66C

16QAM

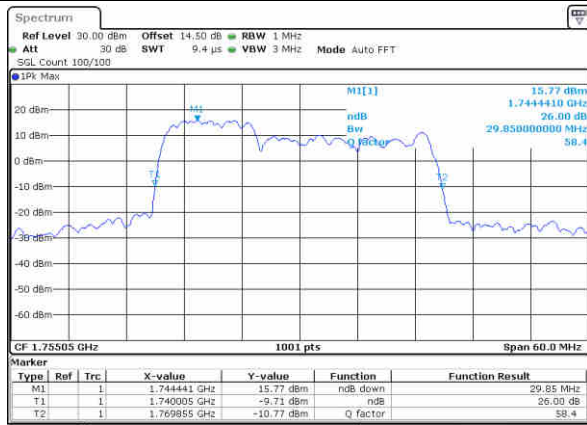
Lowest Channel / 10MHz+20MHz



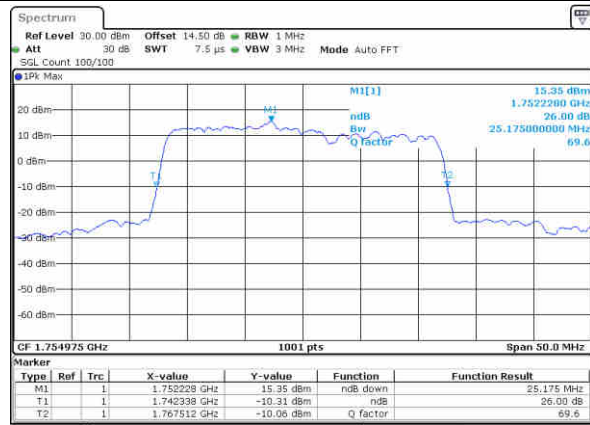
Lowest Channel / 15MHz+10MHz



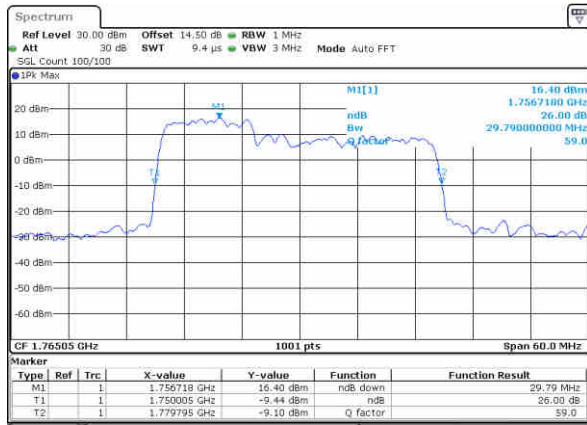
Middle Channel / 10MHz+20MHz



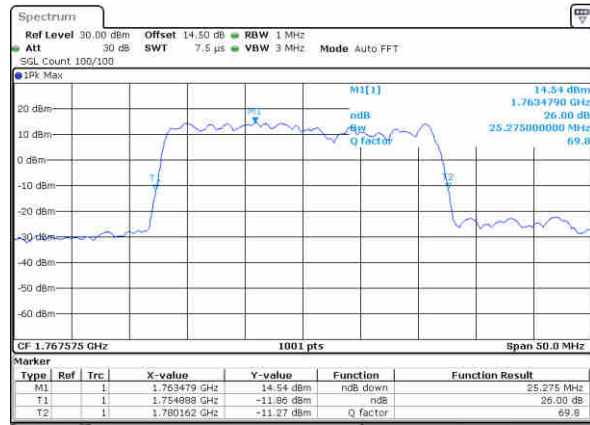
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

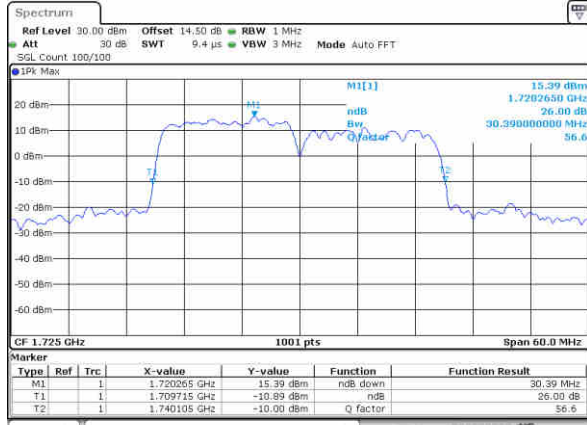




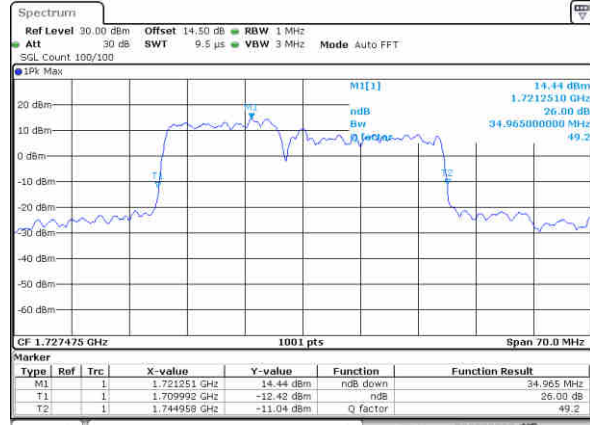
LTE Band 66C

16QAM

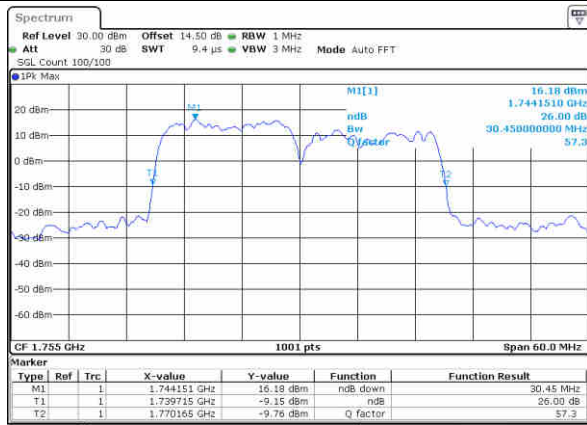
Lowest Channel / 15MHz+15MHz



Lowest Channel / 15MHz+20MHz



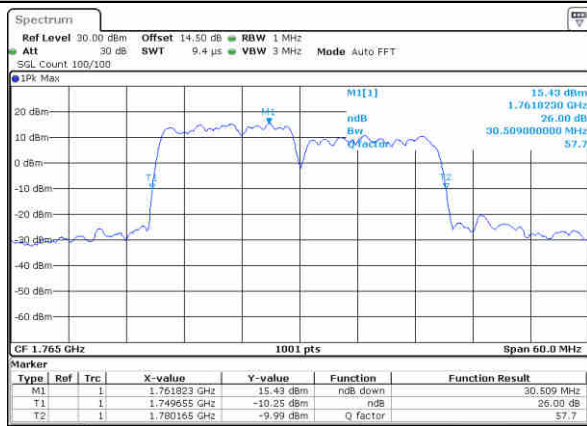
Middle Channel / 15MHz+15MHz



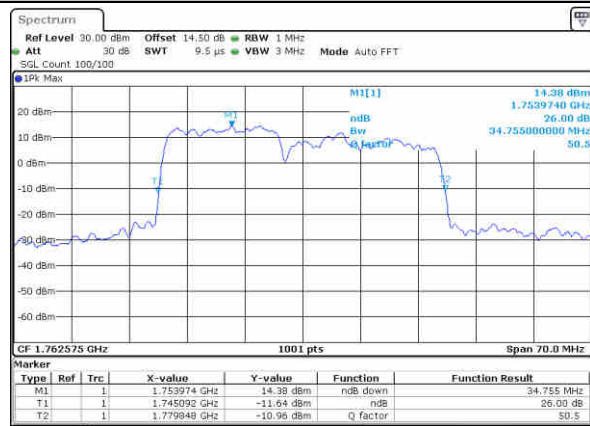
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

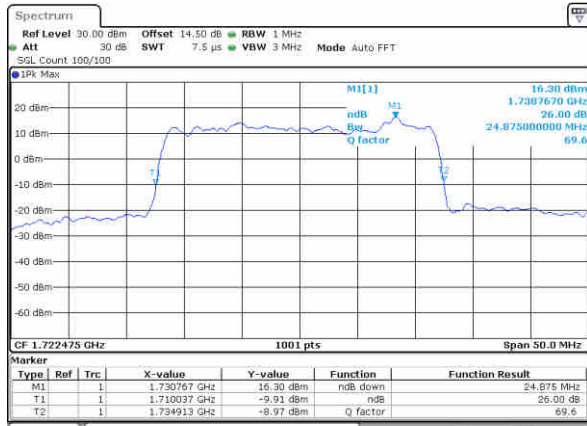




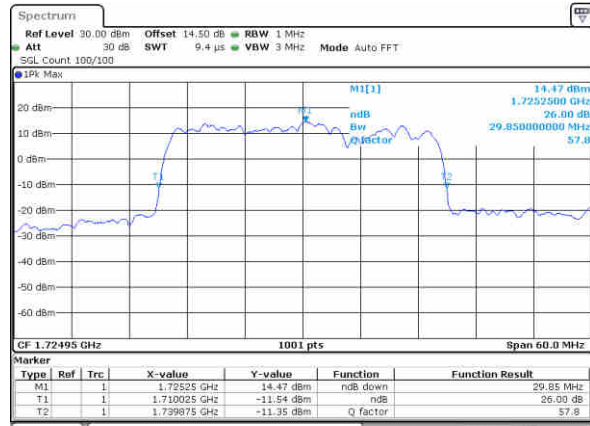
LTE Band 66C

16QAM

Lowest Channel / 20MHz+5MHz



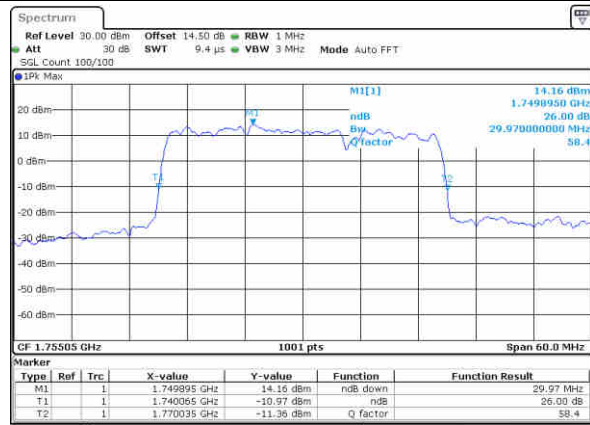
Lowest Channel / 20MHz+10MHz



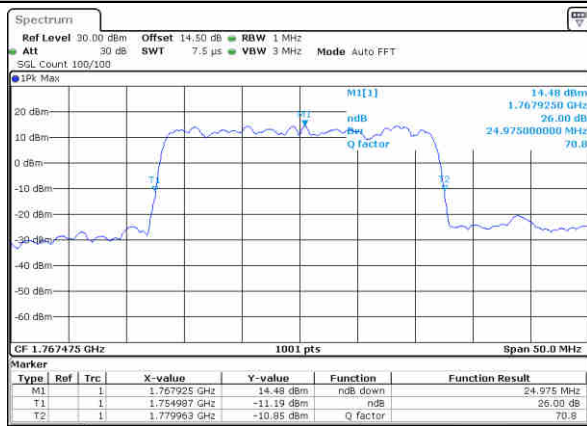
Middle Channel / 20MHz+5MHz



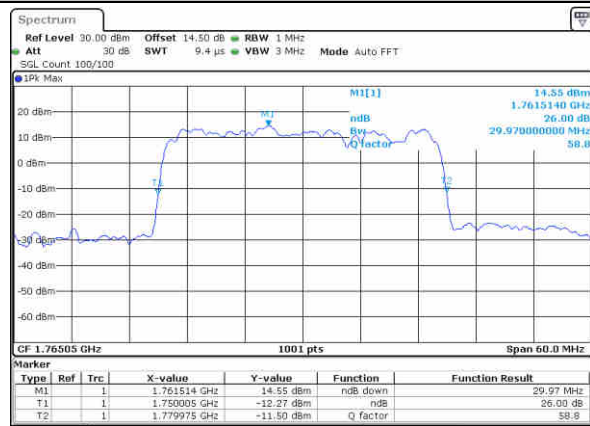
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

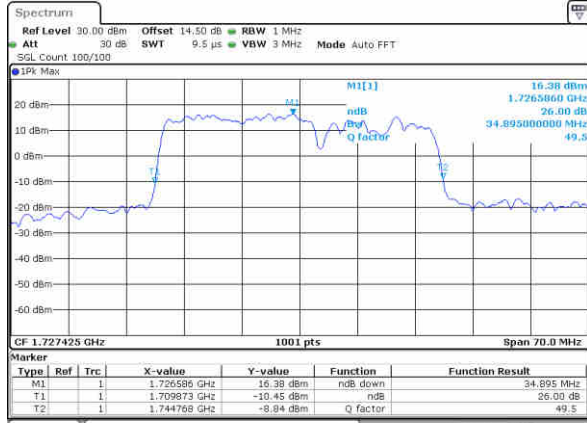




LTE Band 66C

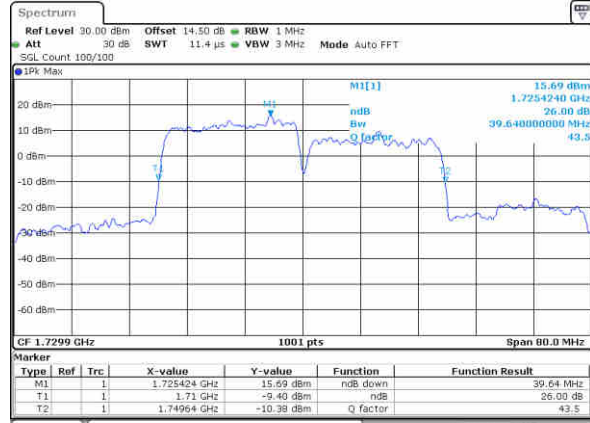
16QAM

Lowest Channel / 20MHz+15MHz



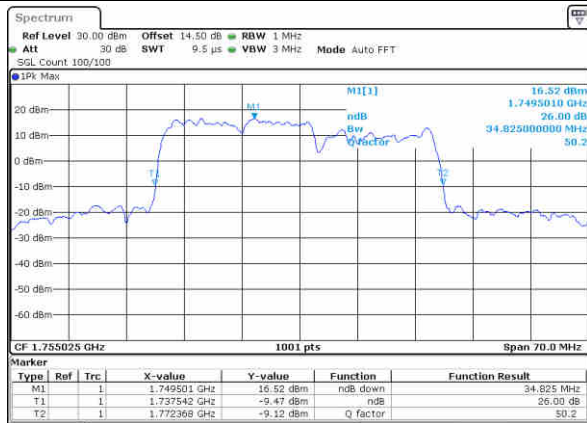
Date: 14.FEB.2020 12:08:07

Lowest Channel / 20MHz+20MHz



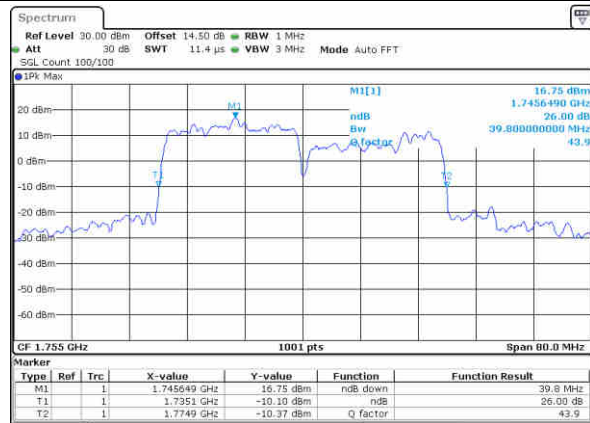
Date: 16.FEB.2020 20:42:01

Middle Channel / 20MHz+15MHz



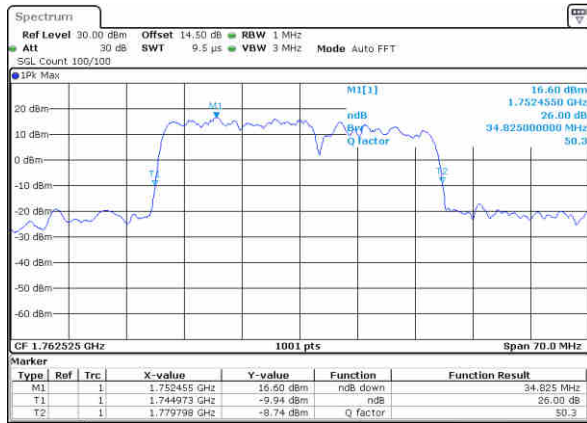
Date: 14.FEB.2020 12:34:02

Middle Channel / 20MHz+20MHz



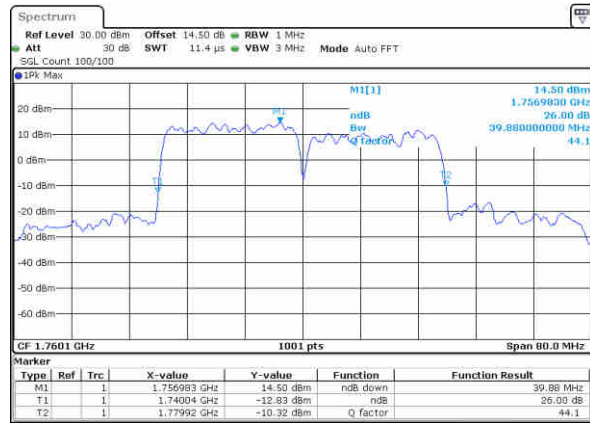
Date: 16.FEB.2020 21:41:24

Highest Channel / 20MHz+15MHz



Date: 14.FEB.2020 13:03:10

Highest Channel / 20MHz+20MHz



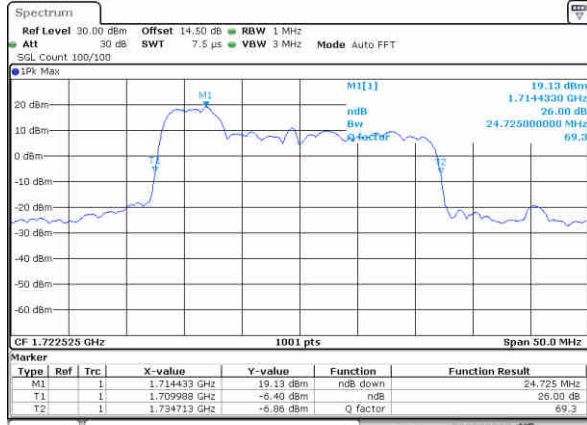
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LTE Band 66C

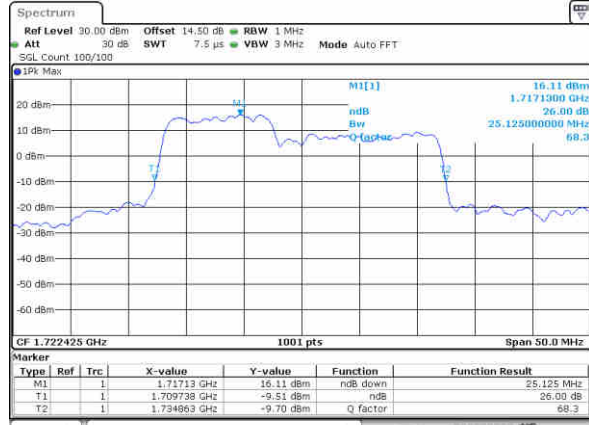
64QAM

Lowest Channel / 5MHz+20MHz



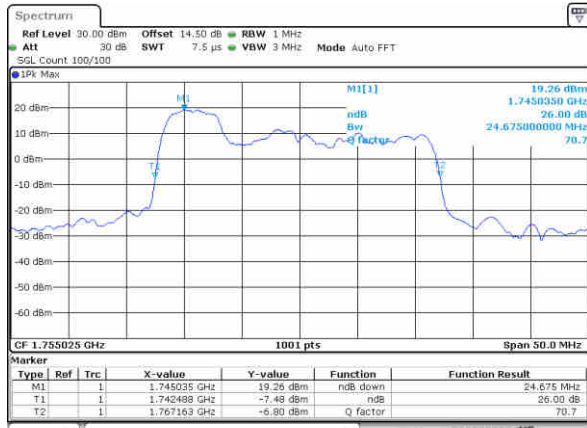
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Lowest Channel / 10MHz+15MHz



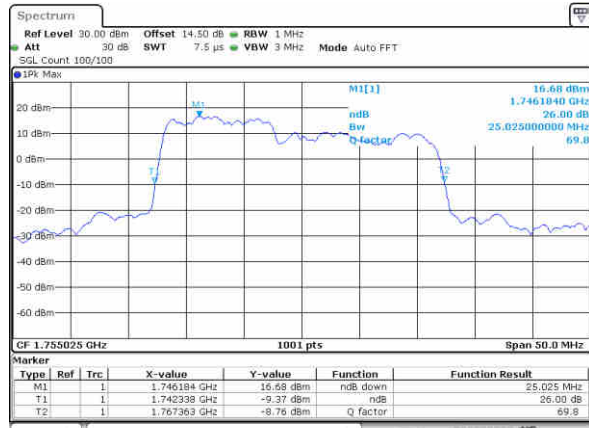
Date: 13.FEB.2020 13:44:16

Middle Channel / 5MHz+20MHz



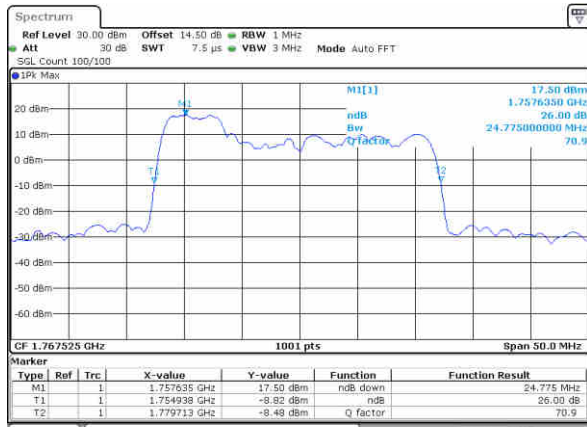
Date: 16.FEB.2020 19:50:46

Middle Channel / 10MHz+15MHz



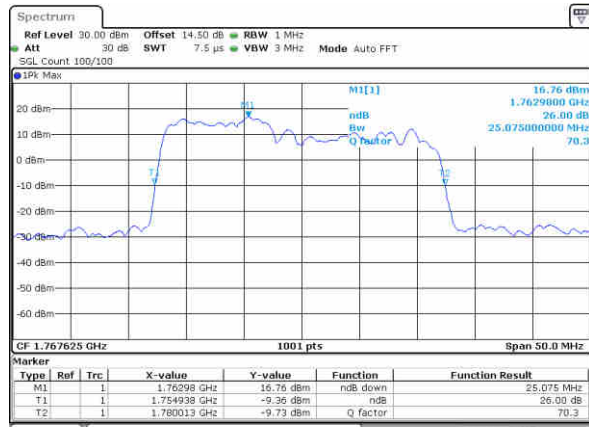
Date: 14.FEB.2020 00:41:21

Highest Channel / 5MHz+20MHz



Date: 16.FEB.2020 20:13:46

Highest Channel / 10MHz+15MHz



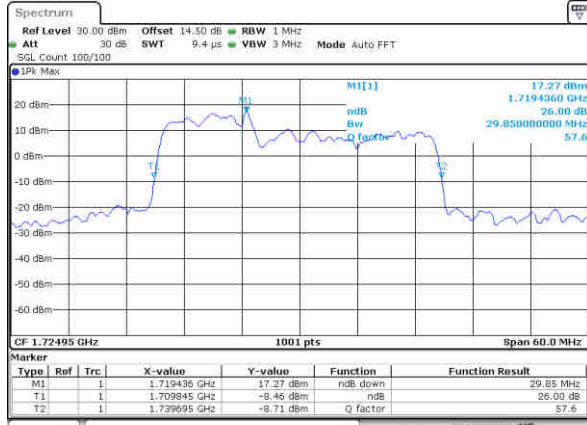
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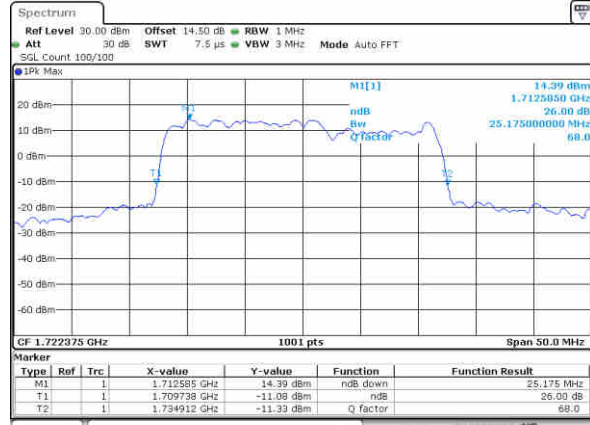
LTE Band 66C

64QAM

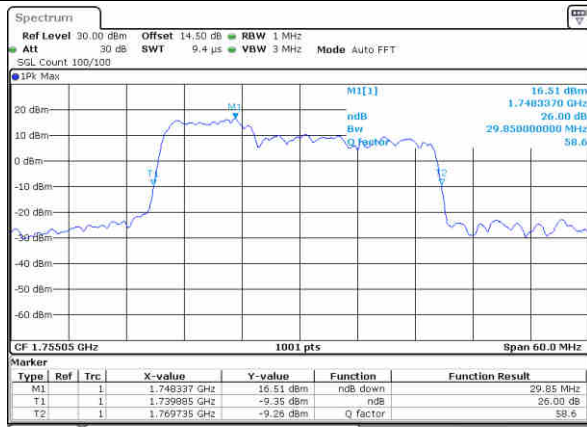
Lowest Channel / 10MHz+20MHz



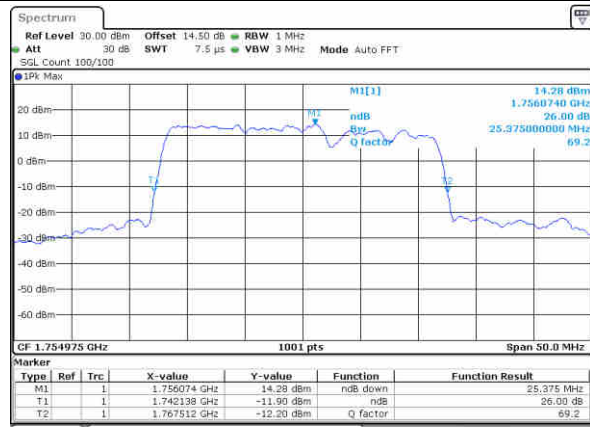
Lowest Channel / 15MHz+10MHz



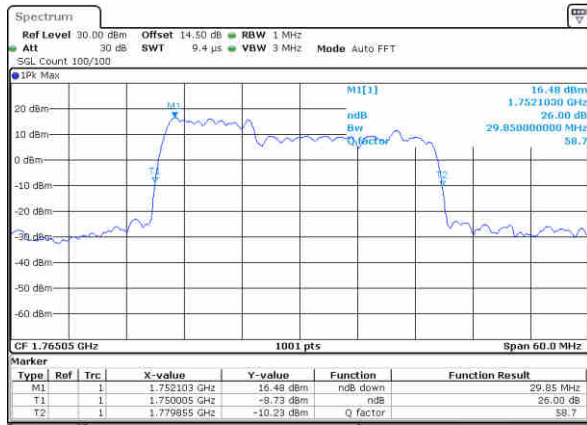
Middle Channel / 10MHz+20MHz



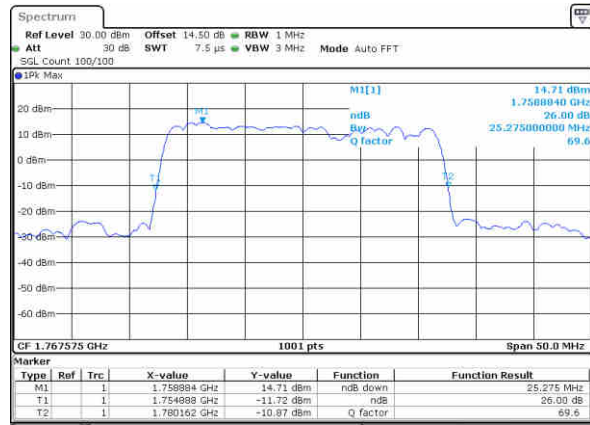
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

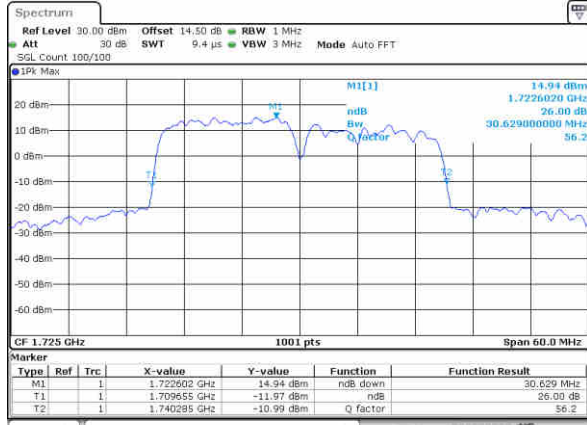




LTE Band 66C

64QAM

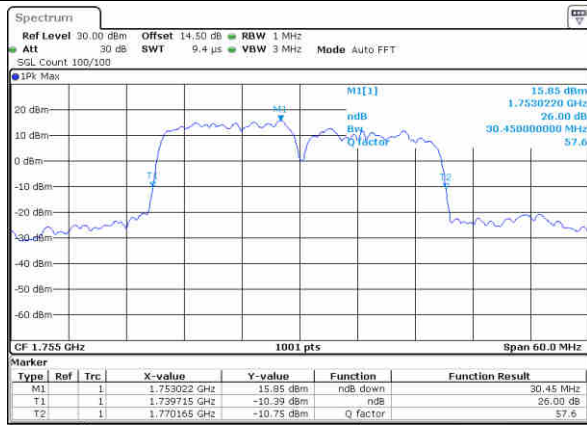
Lowest Channel / 15MHz+15MHz



Lowest Channel / 15MHz+20MHz



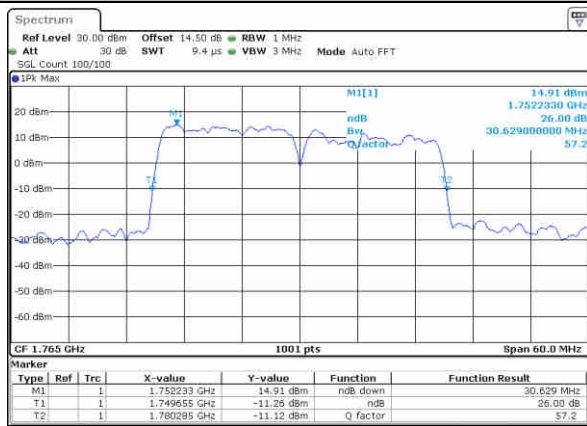
Middle Channel / 15MHz+15MHz



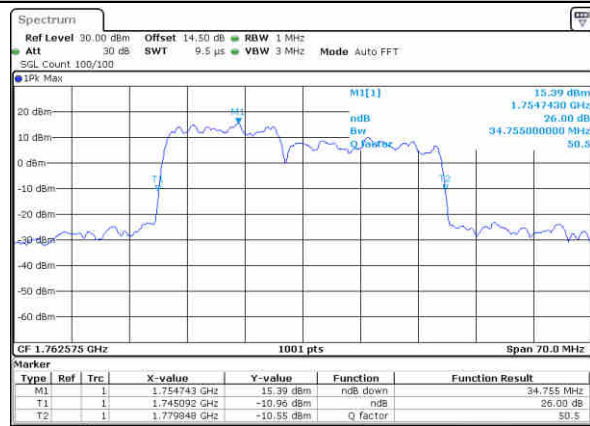
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

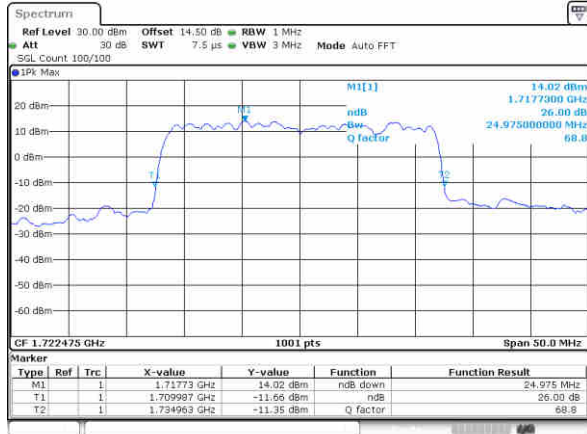




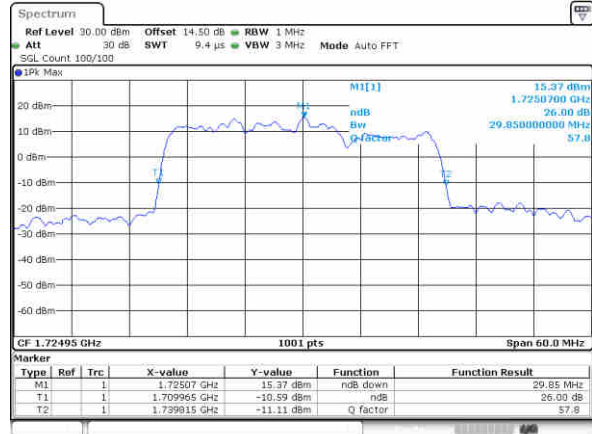
LTE Band 66C

64QAM

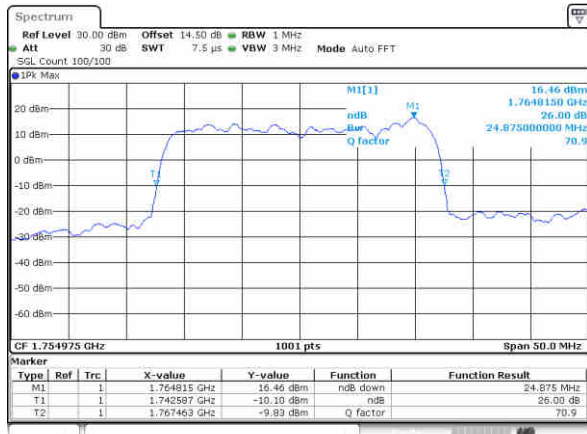
Lowest Channel / 20MHz+5MHz



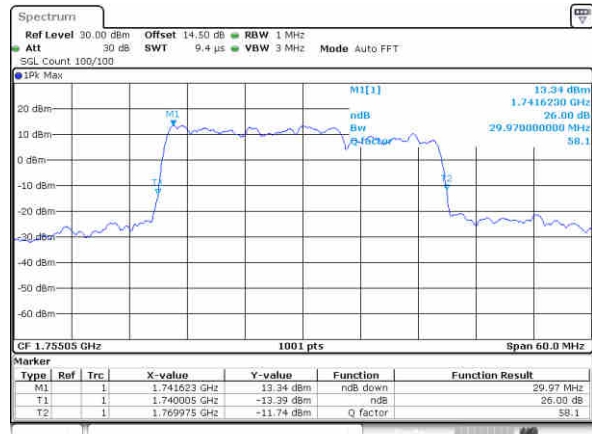
Lowest Channel / 20MHz+10MHz



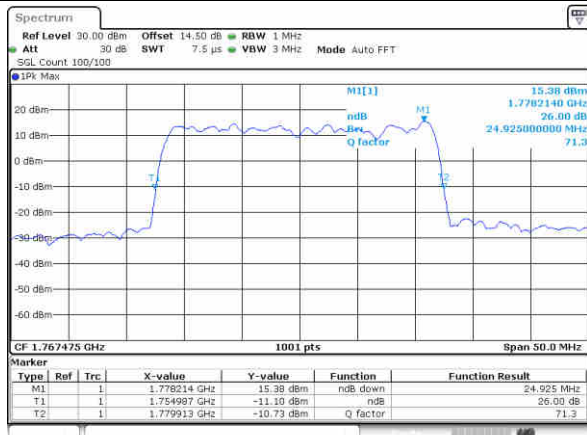
Middle Channel / 20MHz+5MHz



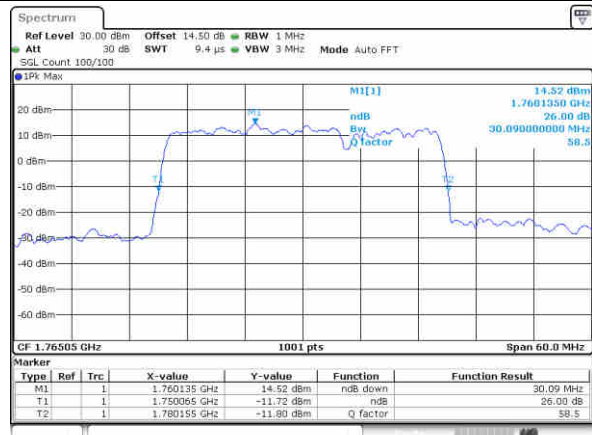
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

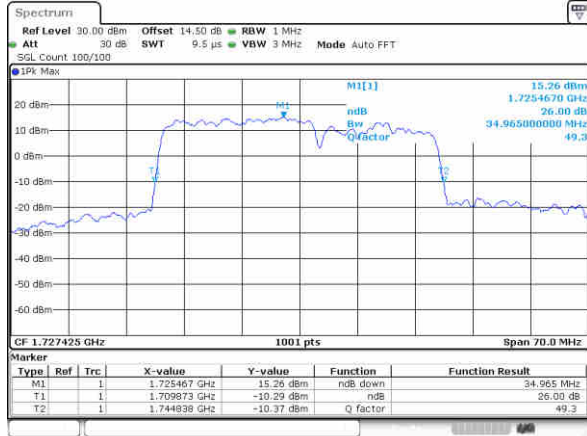




LTE Band 66C

64QAM

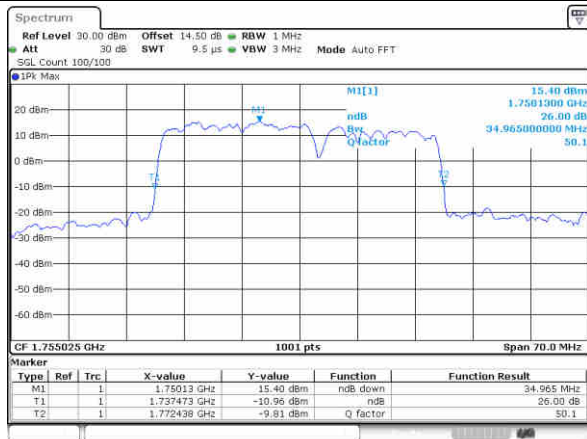
Lowest Channel / 20MHz+15MHz



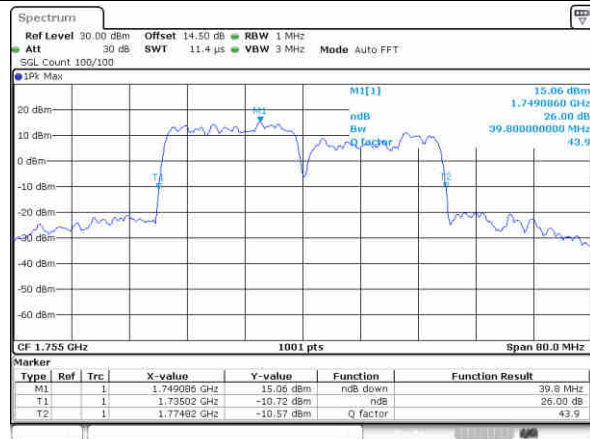
Lowest Channel / 20MHz+20MHz



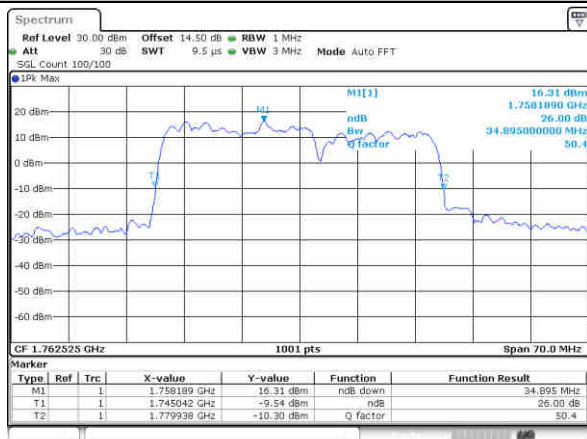
Middle Channel / 20MHz+15MHz



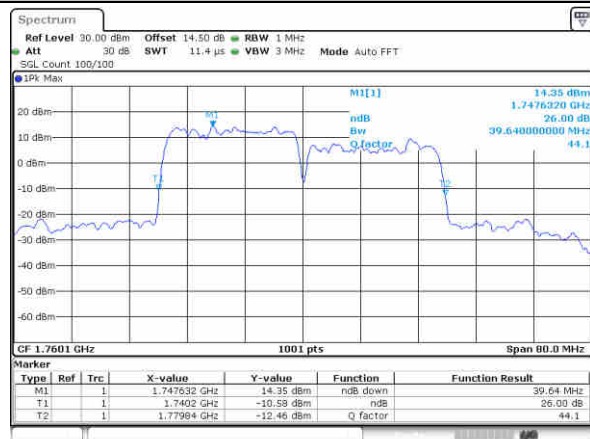
Middle Channel / 20MHz+20MHz



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

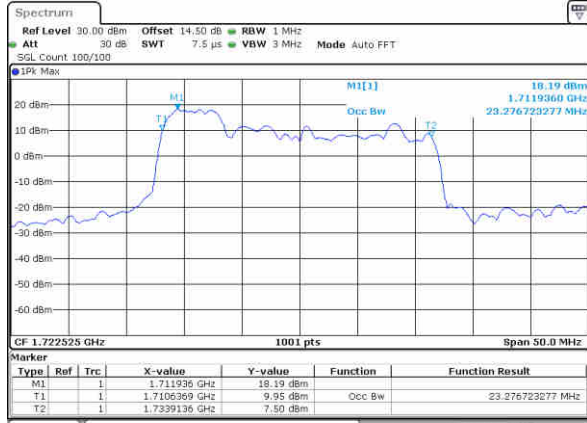
Mode	LTE Band 66C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.13	23.58	28.05	23.18	28.47
Middle CH	23.18	23.38	28.17	23.43	28.29
Highest CH	23.18	23.28	27.93	23.28	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	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

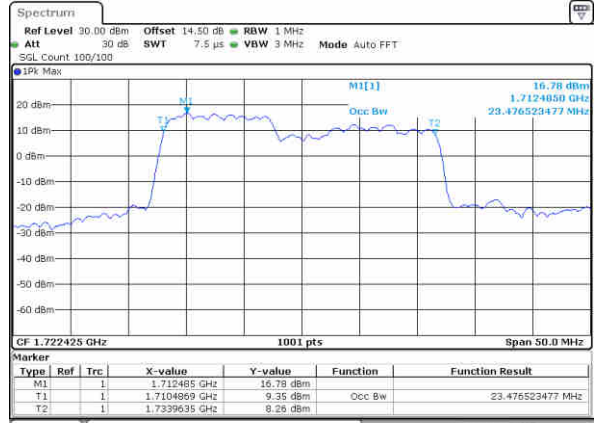
QPSK

Lowest Channel / 5MHz+20MHz



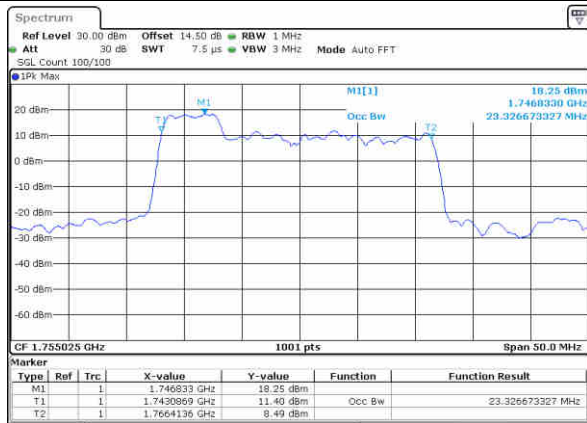
Date: 16.FEB.2020 19:30:05

Lowest Channel / 10MHz+15MHz



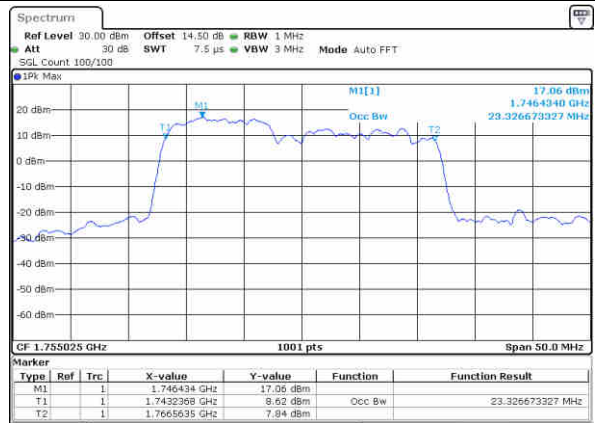
Date: 13.FEB.2020 13:49:13

Middle Channel / 5MHz+20MHz



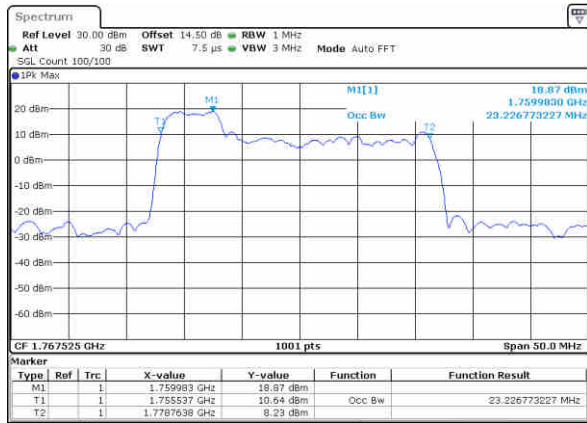
Date: 16.FEB.2020 19:53:23

Middle Channel / 10MHz+15MHz



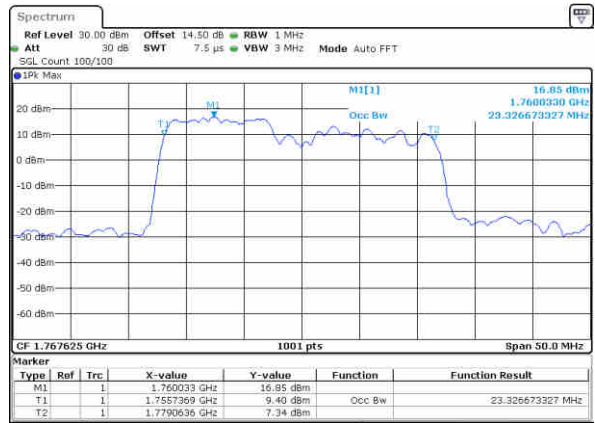
Date: 14.FEB.2020 00:35:19

Highest Channel / 5MHz+20MHz



Date: 16.FEB.2020 20:19:02

Highest Channel / 10MHz+15MHz



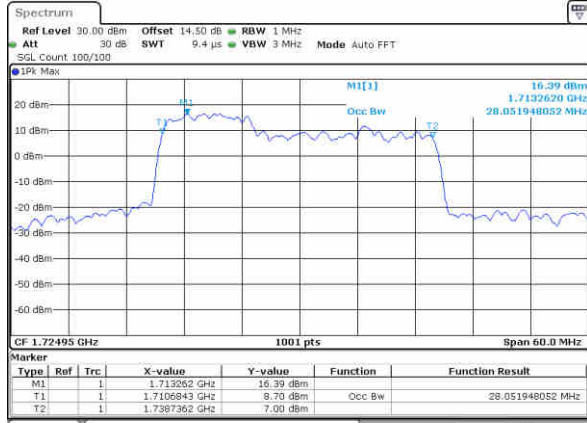
Date: 14.FEB.2020 00:50:23



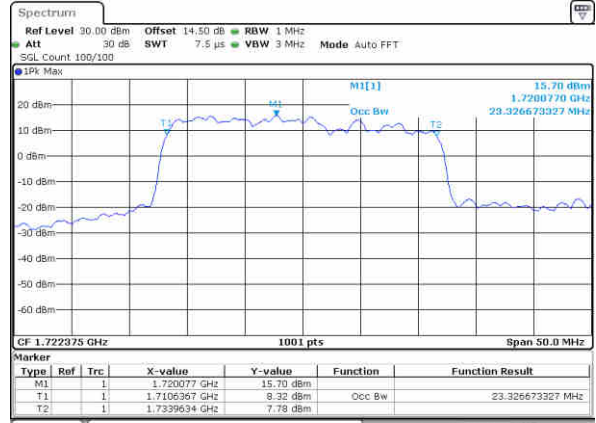
LTE Band 66C

QPSK

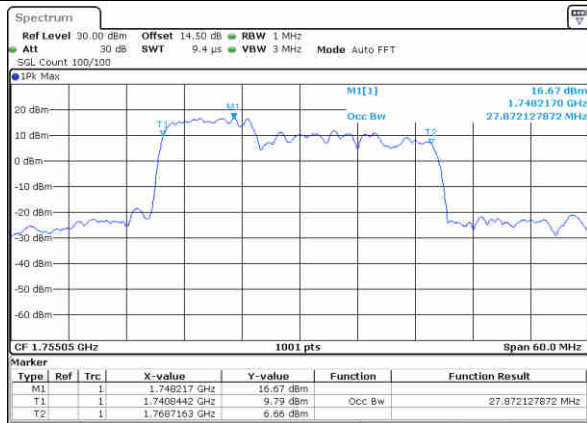
Lowest Channel / 10MHz+20MHz



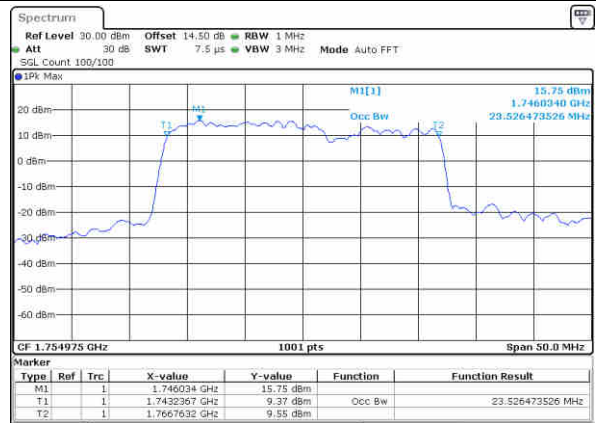
Lowest Channel / 15MHz+10MHz



Middle Channel / 10MHz+20MHz



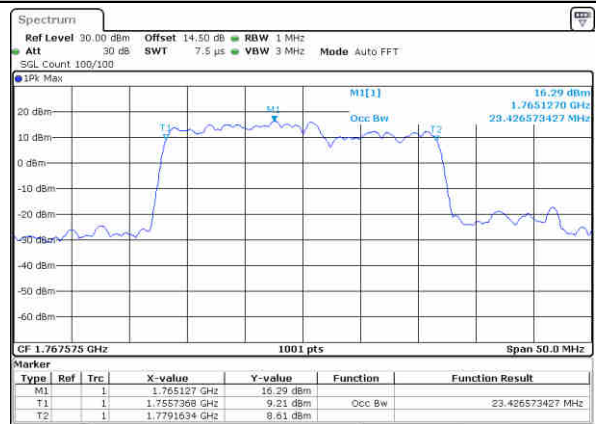
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

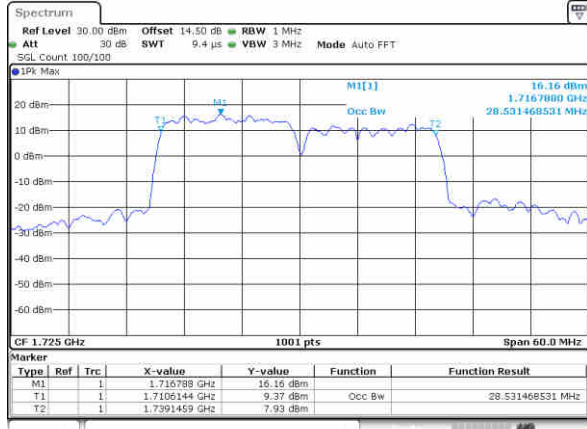




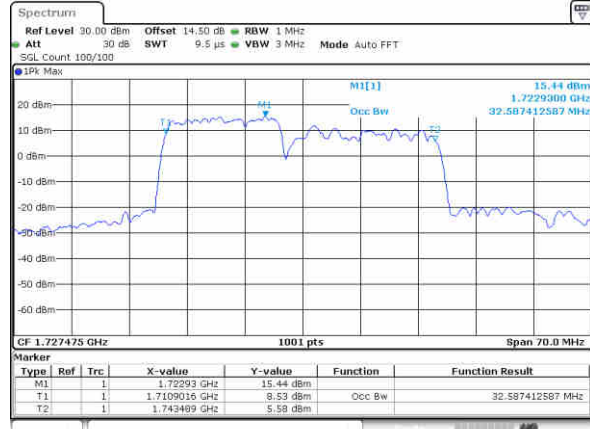
LTE Band 66C

QPSK

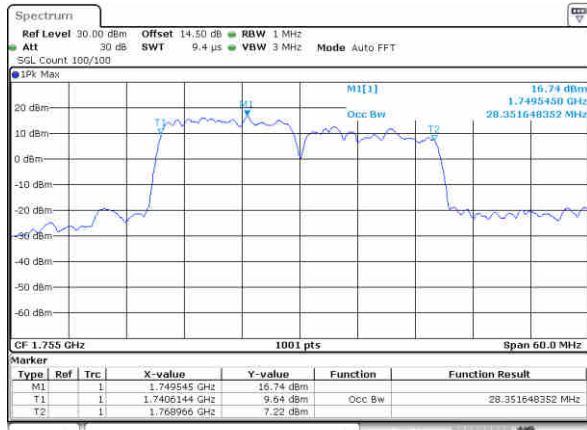
Lowest Channel / 15MHz+15MHz



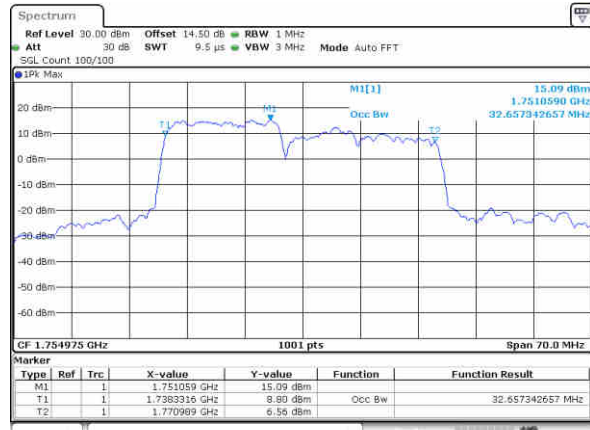
Lowest Channel / 15MHz+20MHz



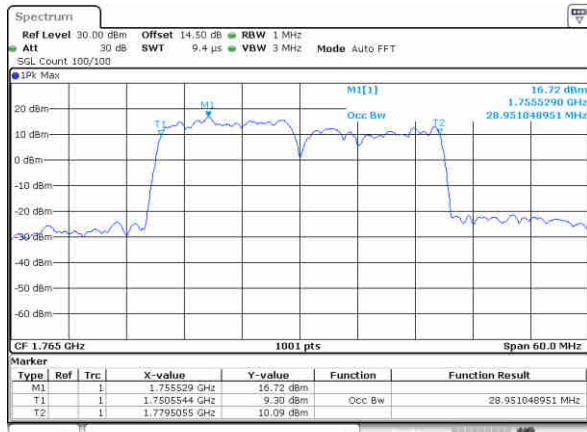
Middle Channel / 15MHz+15MHz



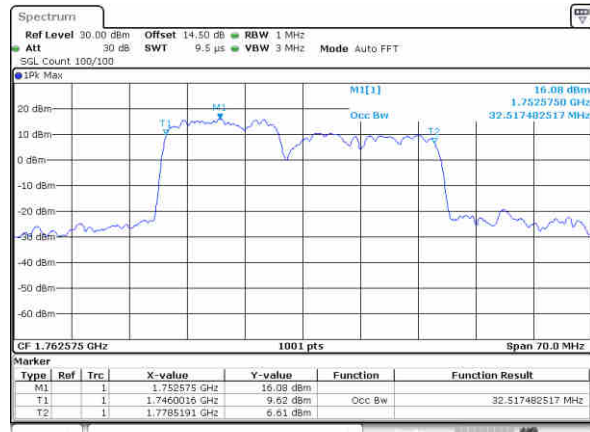
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

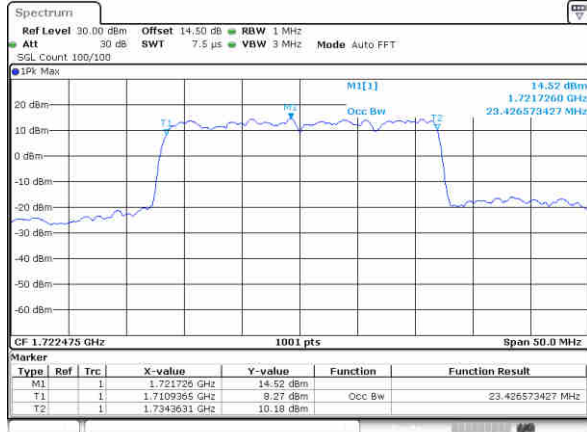




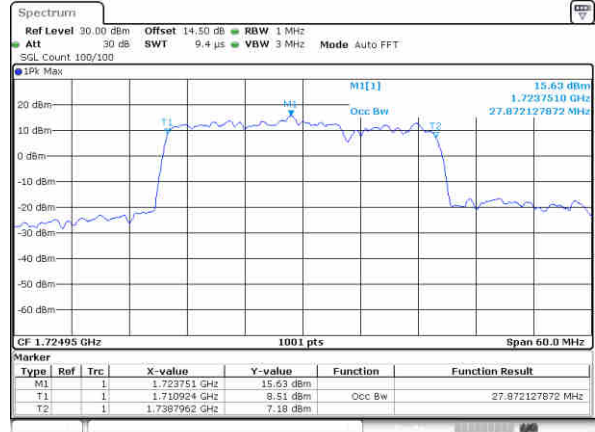
LTE Band 66C

QPSK

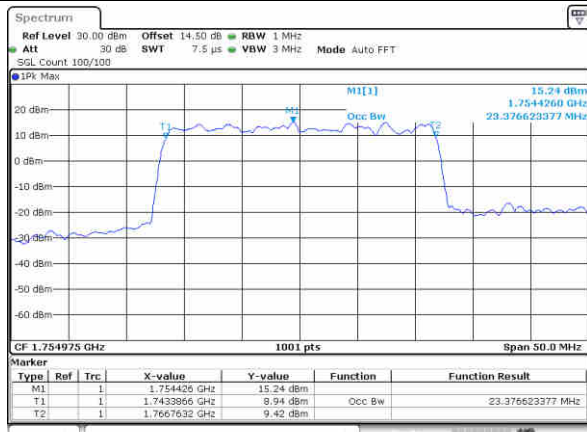
Lowest Channel / 20MHz+5MHz



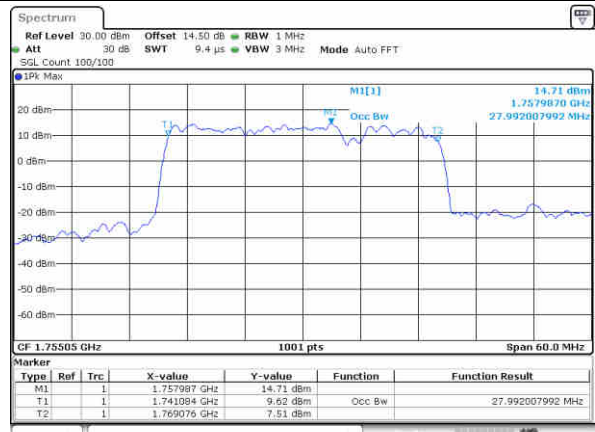
Lowest Channel / 20MHz+10MHz



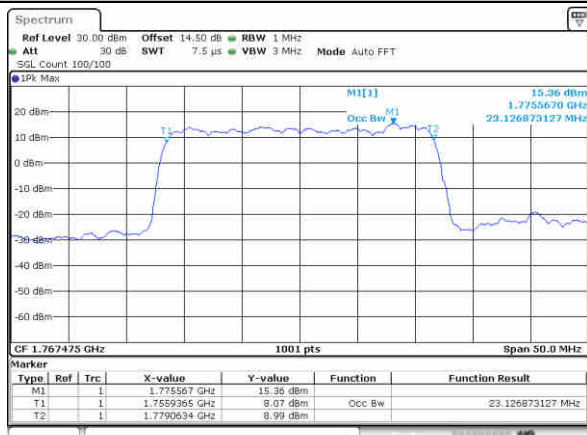
Middle Channel / 20MHz+5MHz



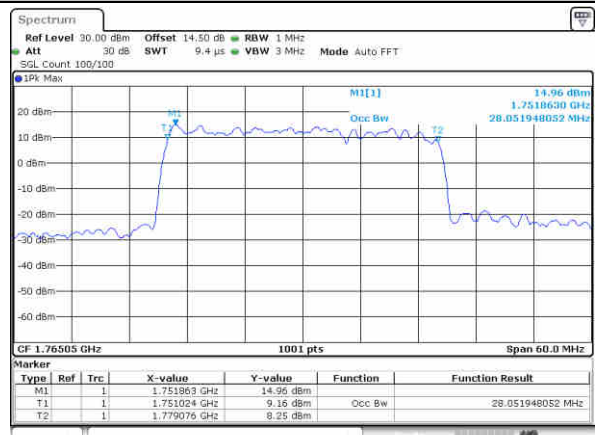
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

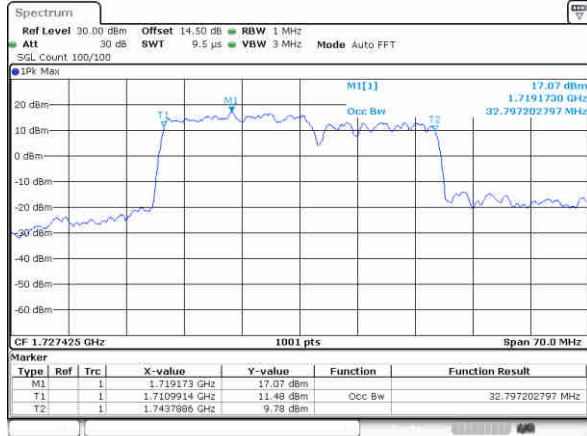




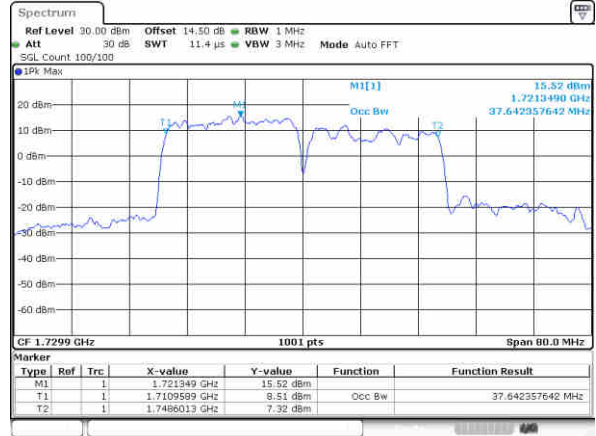
LTE Band 66C

QPSK

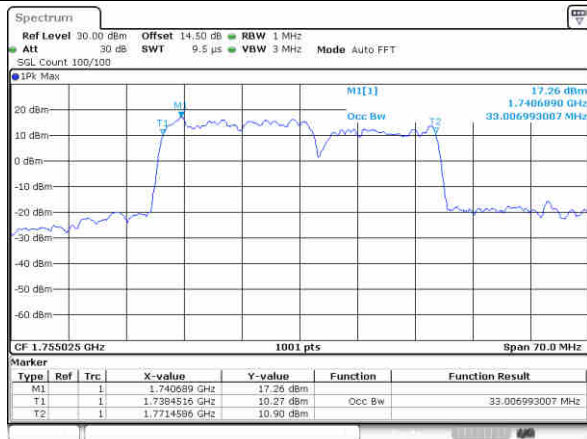
Lowest Channel / 20MHz+15MHz



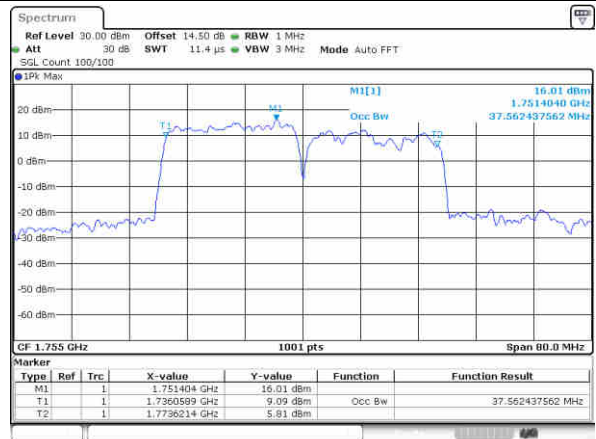
Lowest Channel / 20MHz+20MHz



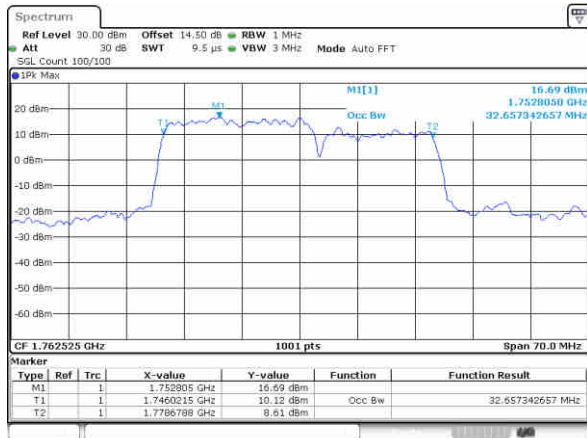
Middle Channel / 20MHz+15MHz



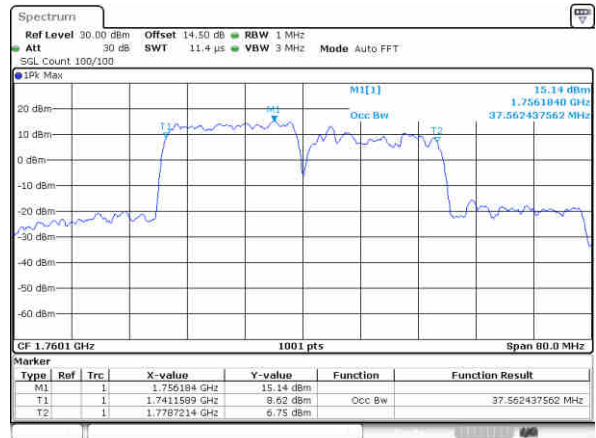
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

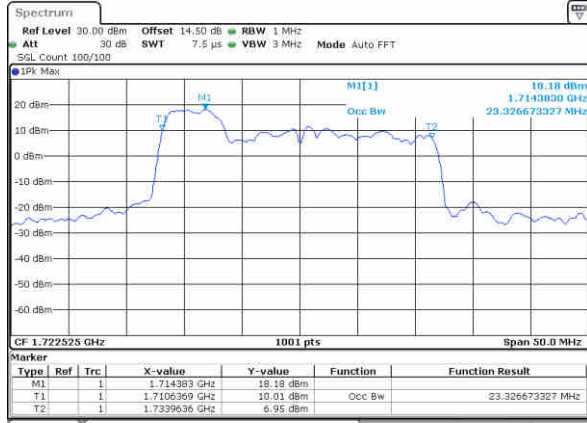




LTE Band 66C

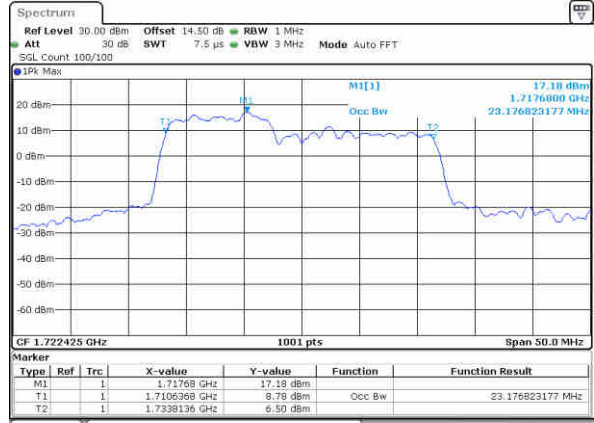
16QAM

Lowest Channel / 5MHz+20MHz



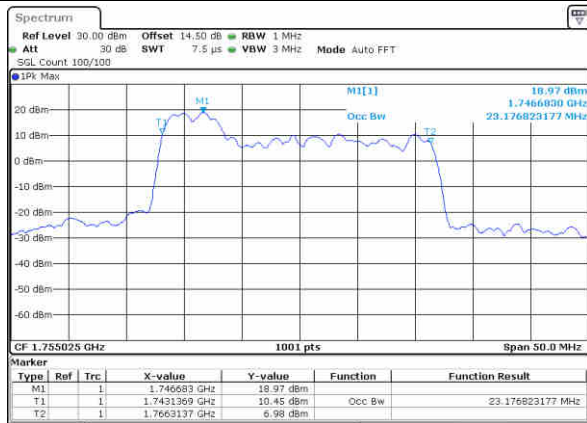
Date: 16.FEB.2020 19:31:43

Lowest Channel / 10MHz+15MHz



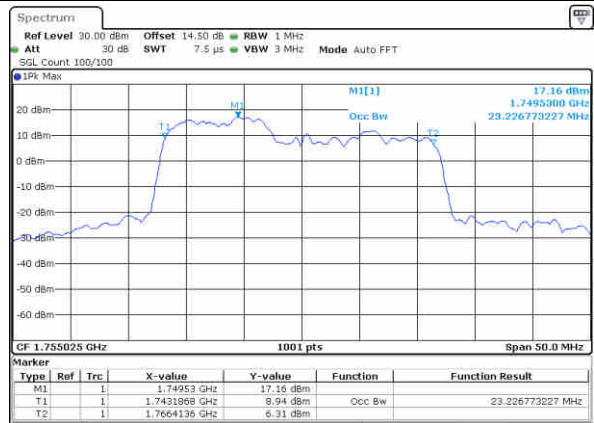
Date: 13.FEB.2020 13:45:51

Middle Channel / 5MHz+20MHz



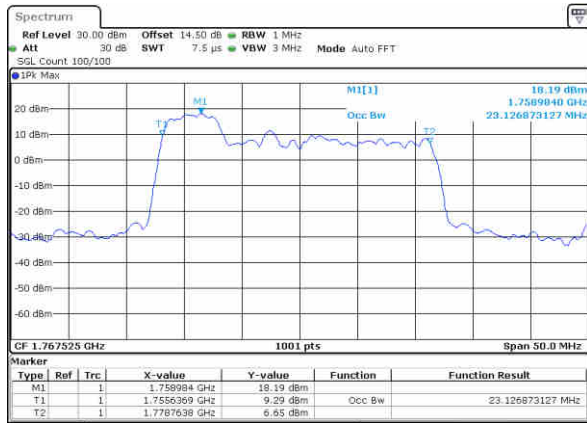
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Middle Channel / 10MHz+15MHz



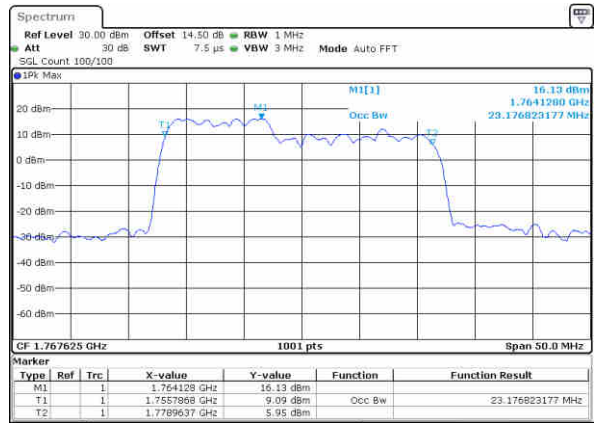
Date: 14.FEB.2020 00:40:58

Highest Channel / 5MHz+20MHz



Date: 16.FEB.2020 20:11:46

Highest Channel / 10MHz+15MHz



Date: 14.FEB.2020 00:50:05



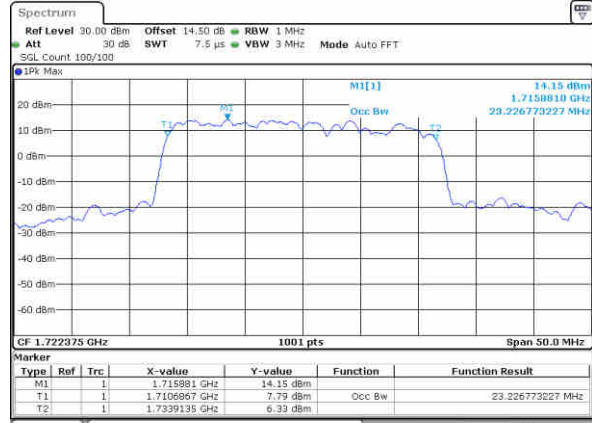
LTE Band 66C

16QAM

Lowest Channel / 10MHz+20MHz



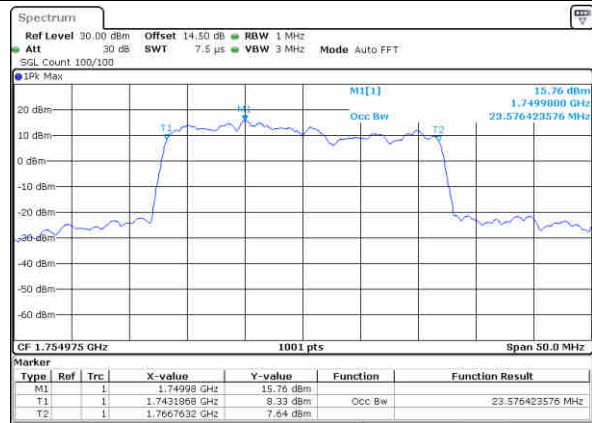
Lowest Channel / 15MHz+10MHz



Middle Channel / 10MHz+20MHz



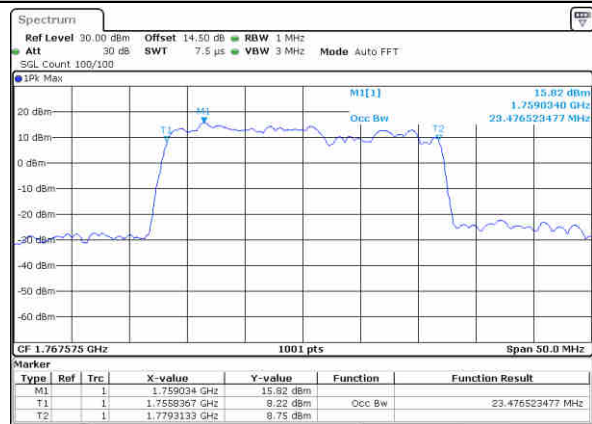
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

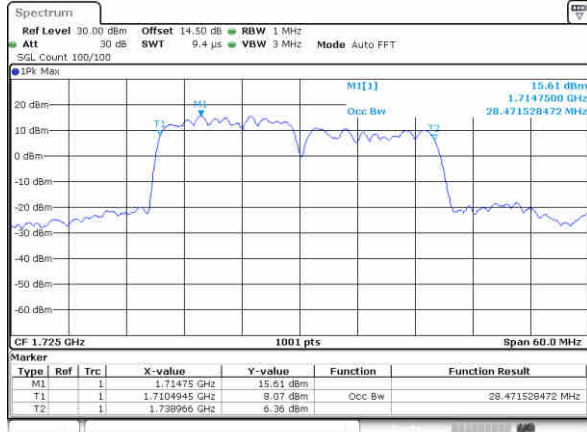




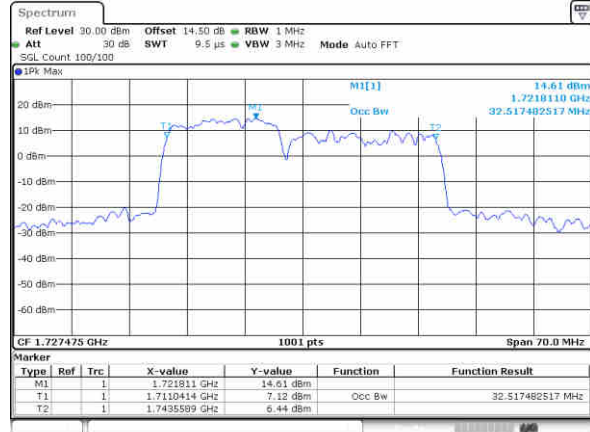
LTE Band 66C

16QAM

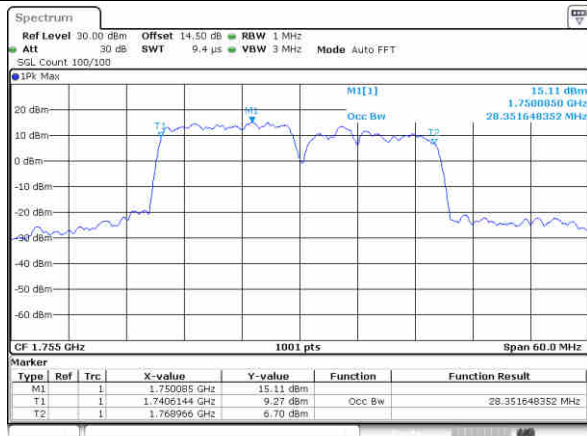
Lowest Channel / 15MHz+15MHz



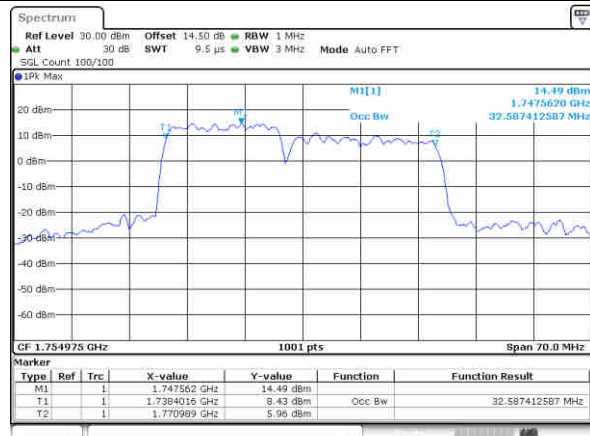
Lowest Channel / 15MHz+20MHz



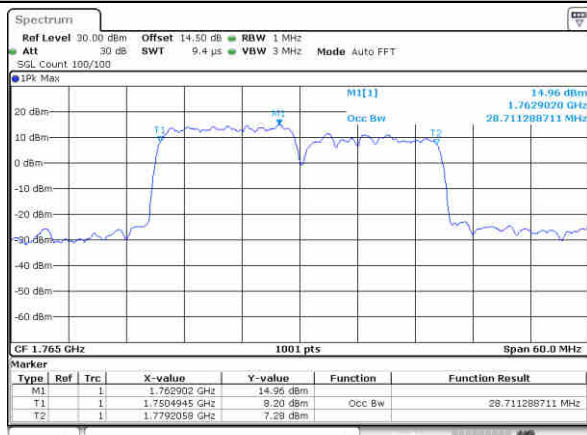
Middle Channel / 15MHz+15MHz



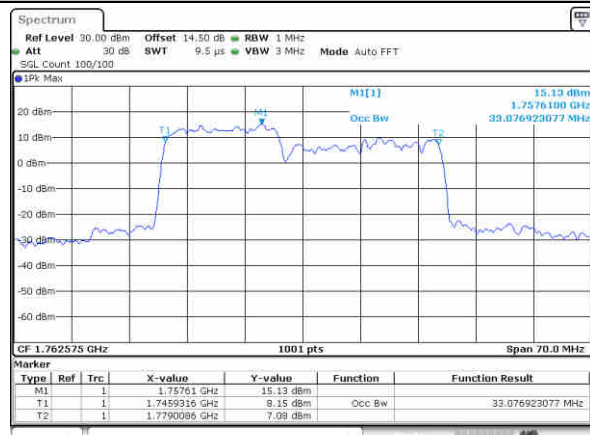
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

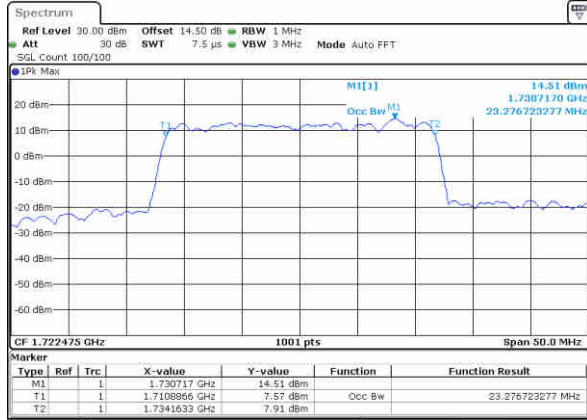




LTE Band 66C

16QAM

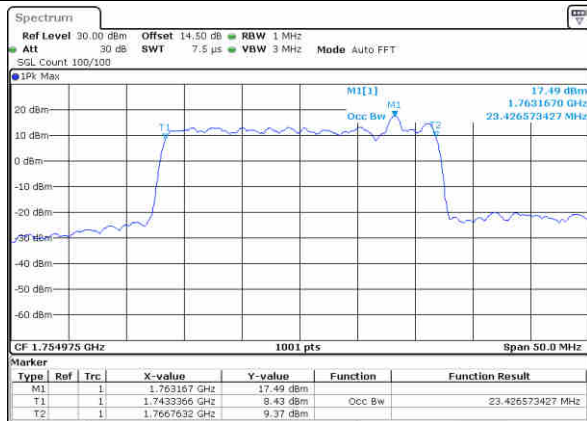
Lowest Channel / 20MHz+5MHz



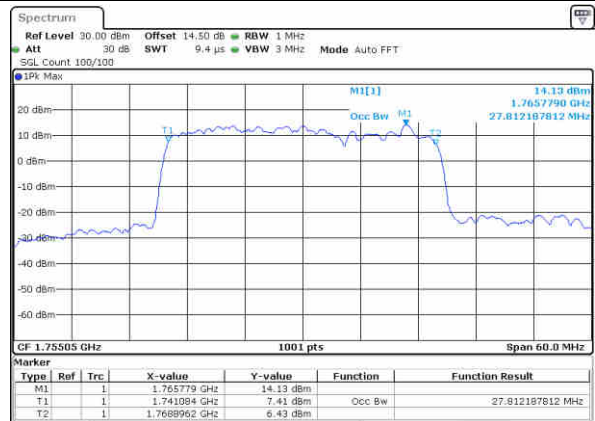
Lowest Channel / 20MHz+10MHz



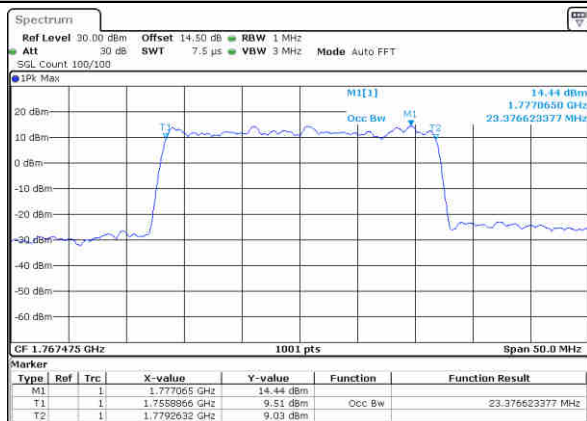
Middle Channel / 20MHz+5MHz



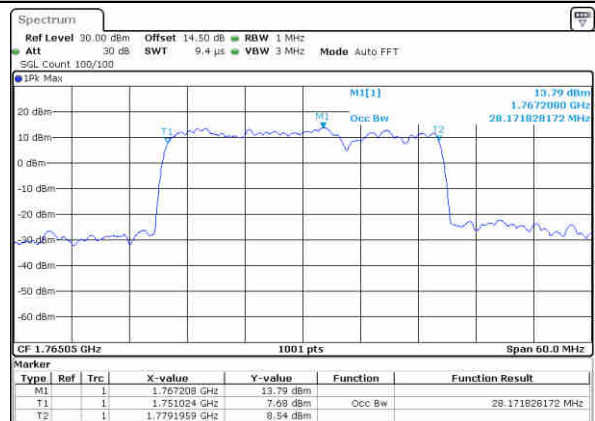
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

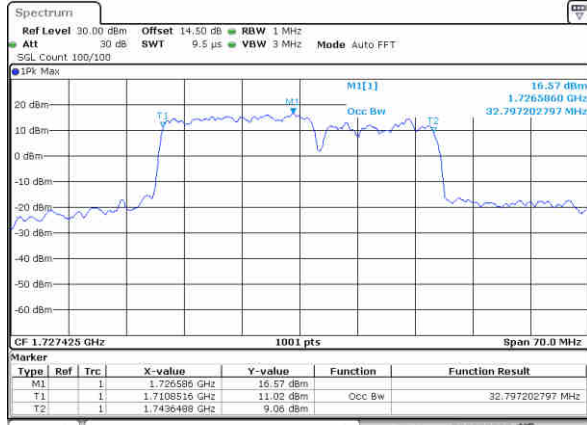




LTE Band 66C

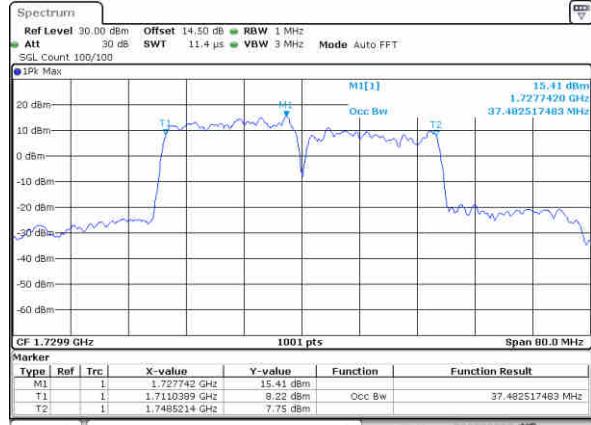
16QAM

Lowest Channel / 20MHz+15MHz



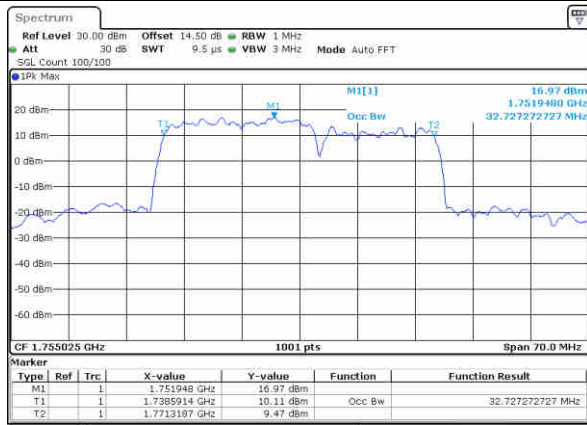
Date: 14.FEB.2020 12:08:00

Lowest Channel / 20MHz+20MHz



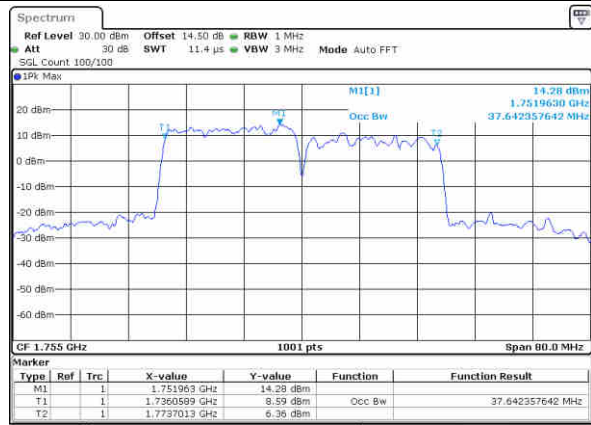
Date: 16.FEB.2020 20:41:43

Middle Channel / 20MHz+15MHz



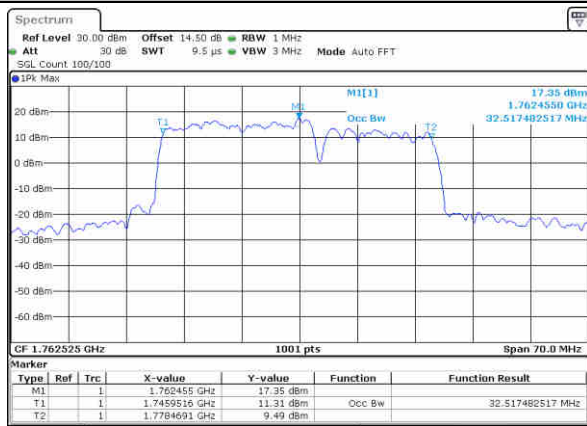
Date: 14.FEB.2020 12:33:54

Middle Channel / 20MHz+20MHz



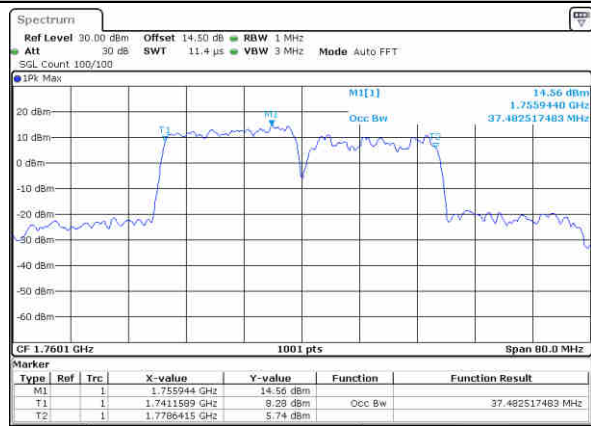
Date: 16.FEB.2020 21:41:16

Highest Channel / 20MHz+15MHz



Date: 14.FEB.2020 13:01:28

Highest Channel / 20MHz+20MHz



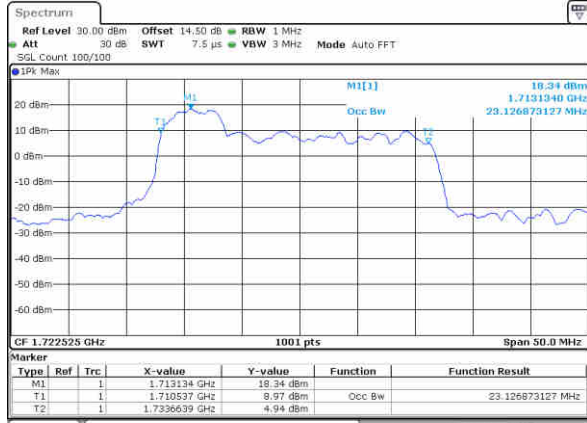
Date: 16.FEB.2020 21:44:25



LTE Band 66C

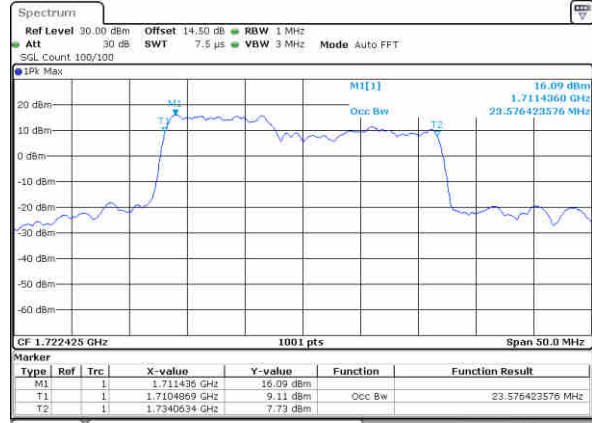
64QAM

Lowest Channel / 5MHz+20MHz



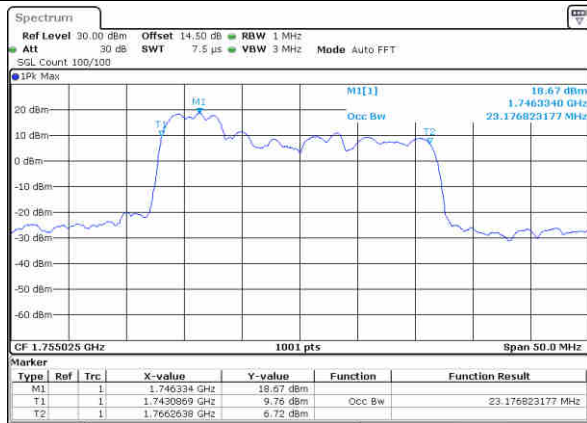
Date: 16.FEB.2020 19:33:28

Lowest Channel / 10MHz+15MHz



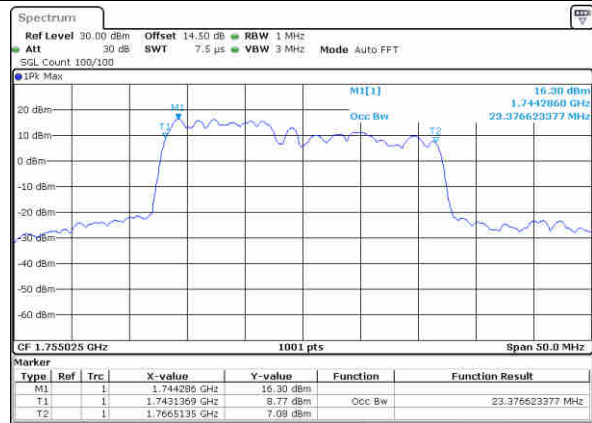
Date: 13.FEB.2020 13:44:15

Middle Channel / 5MHz+20MHz



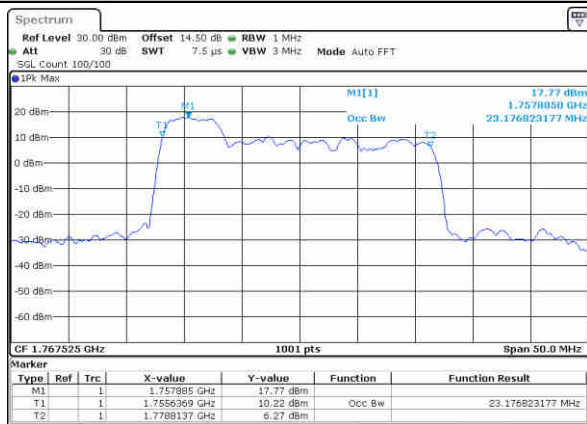
Date: 16.FEB.2020 19:50:38

Middle Channel / 10MHz+15MHz



Date: 14.FEB.2020 00:41:14

Highest Channel / 5MHz+20MHz



Date: 16.FEB.2020 20:13:38

Highest Channel / 10MHz+15MHz



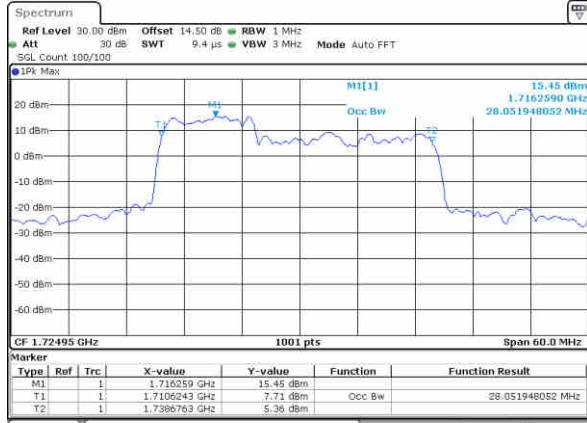
Date: 14.FEB.2020 00:46:41



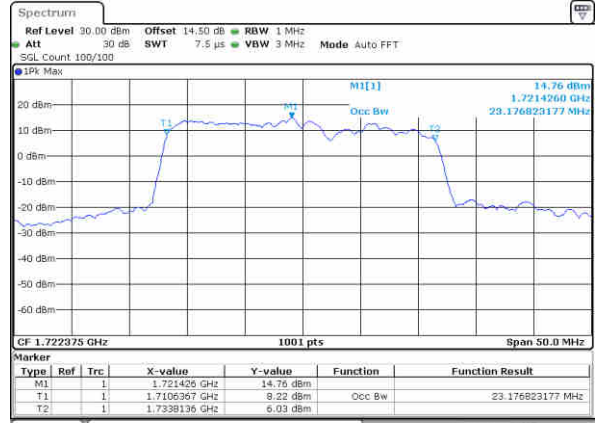
LTE Band 66C

64QAM

Lowest Channel / 10MHz+20MHz



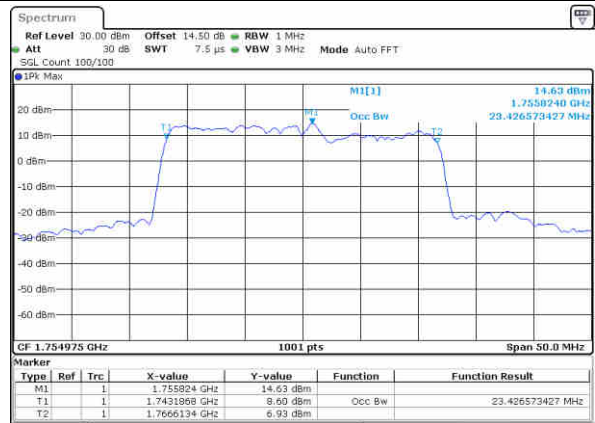
Lowest Channel / 15MHz+10MHz



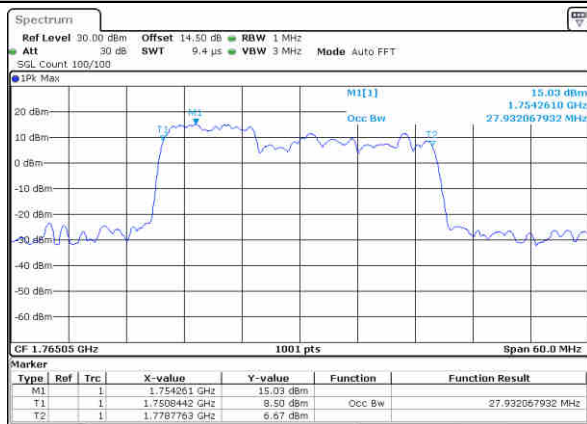
Middle Channel / 10MHz+20MHz



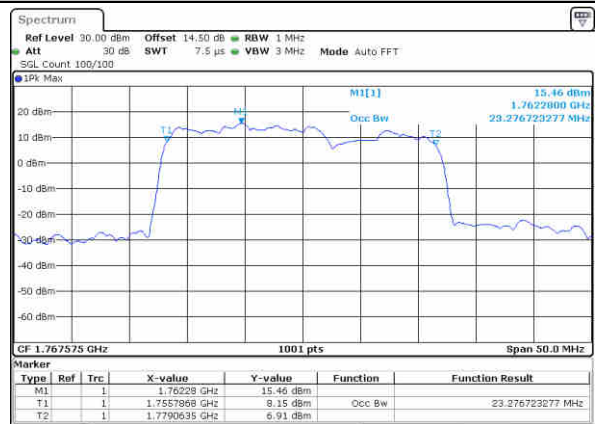
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

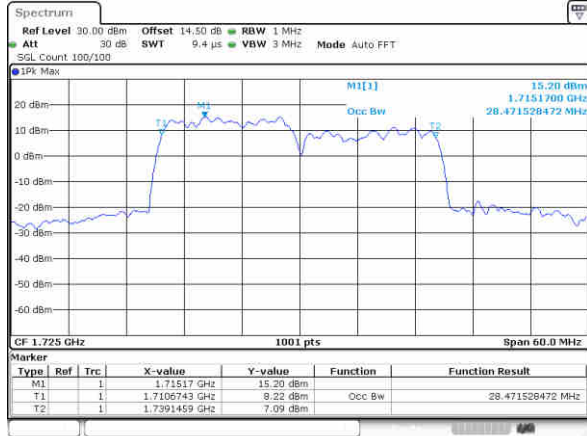




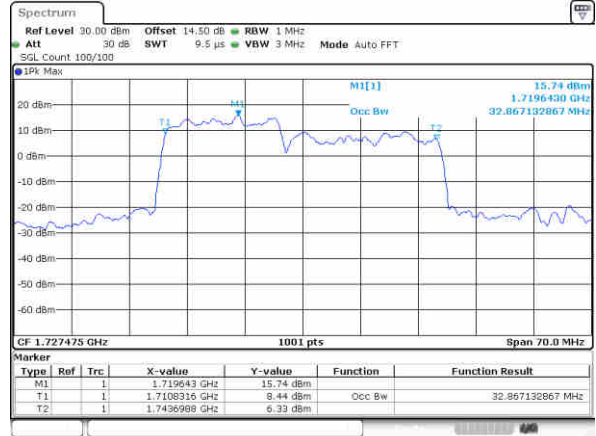
LTE Band 66C

64QAM

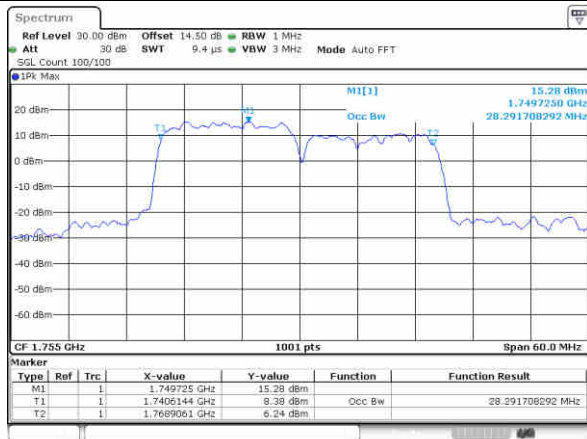
Lowest Channel / 15MHz+15MHz



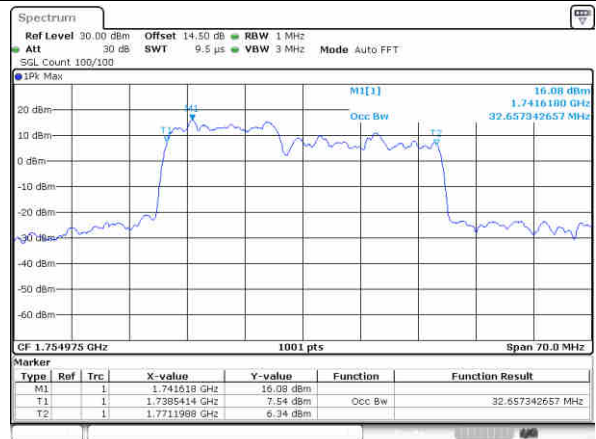
Lowest Channel / 15MHz+20MHz



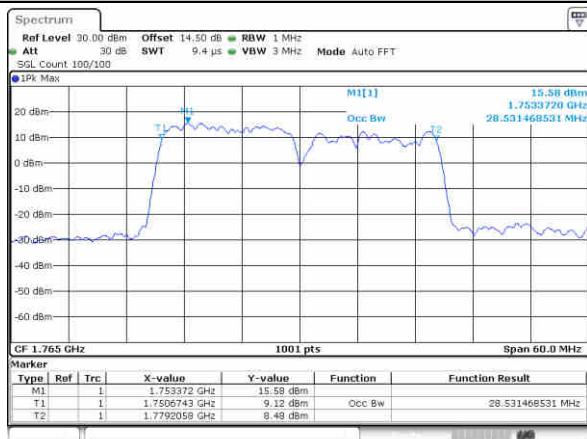
Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

