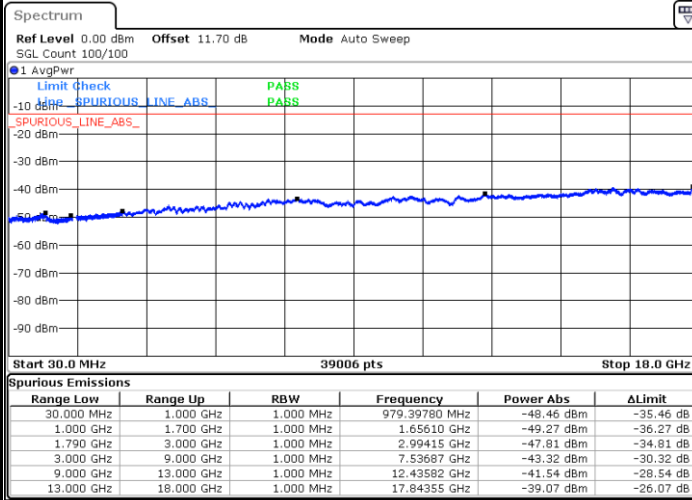




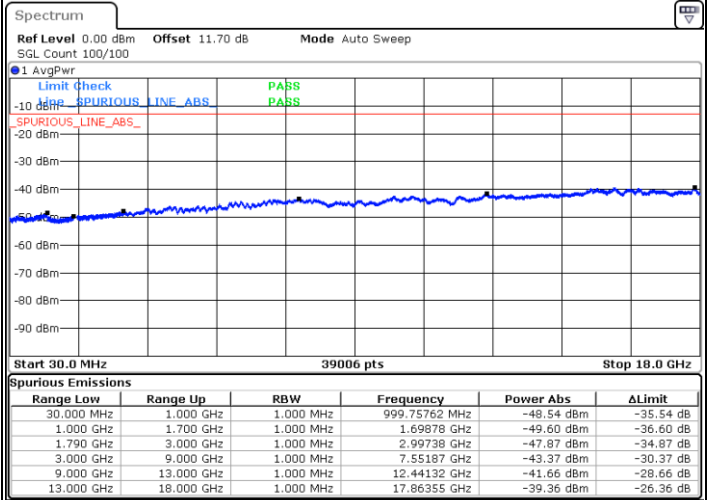
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



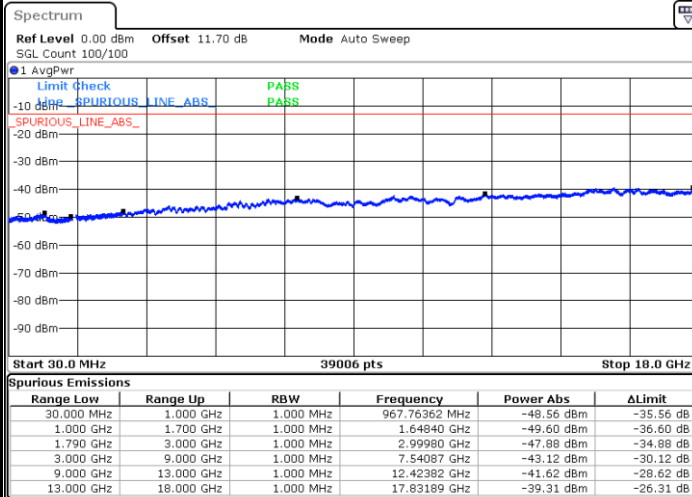
Date: 3 JAN 2020 06:34:21

Middle Channel / 64QAM



Date: 3 JAN 2020 06:35:27

Highest Channel / 64QAM

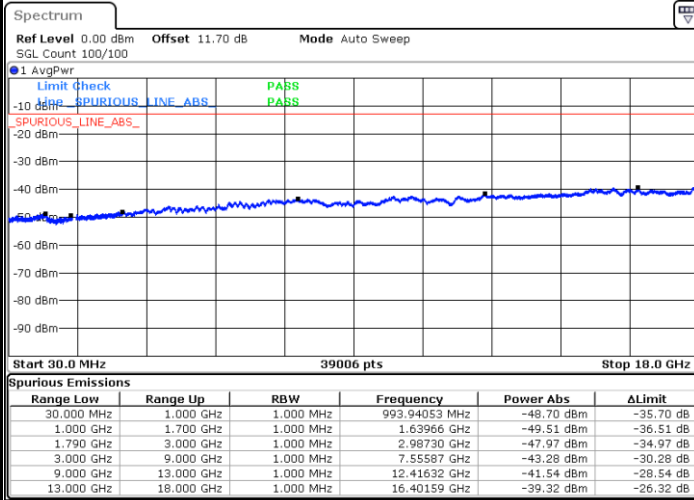


Date: 3 JAN 2020 06:38:44



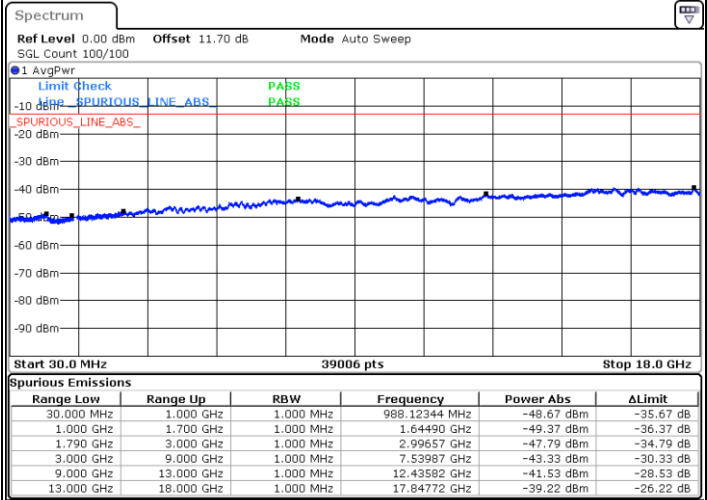
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



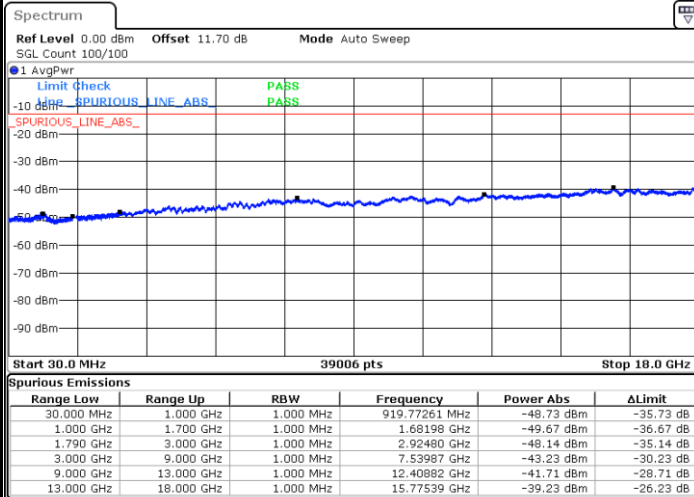
Date: 3 JAN 2020 03:09:21

Middle Channel / 64QAM



Date: 3 JAN 2020 03:10:26

Highest Channel / 64QAM

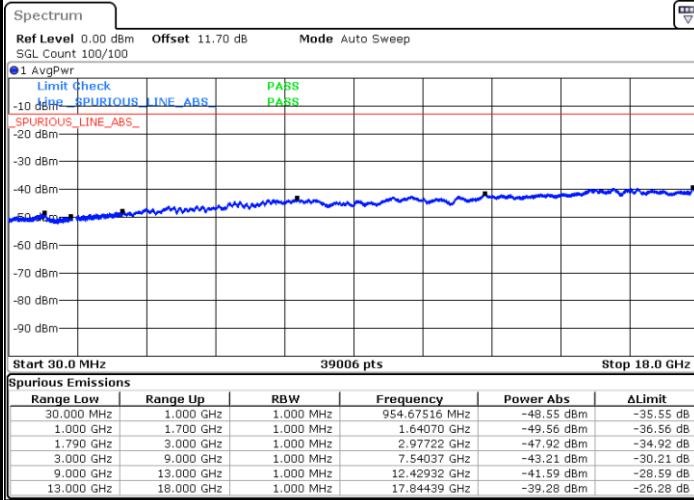


Date: 3 JAN 2020 03:12:54



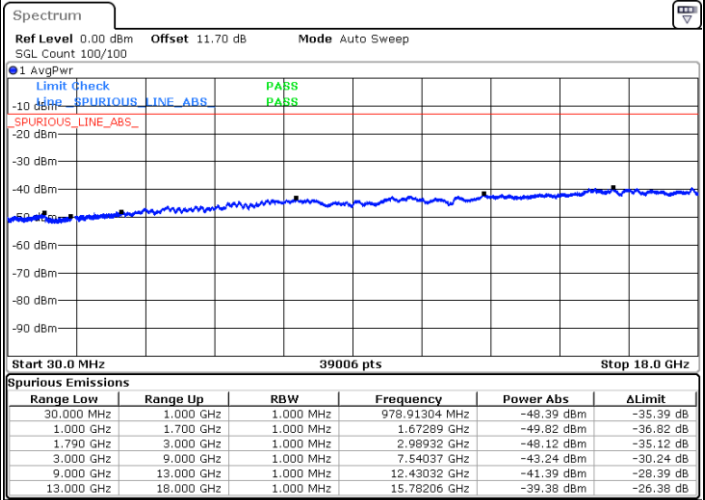
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



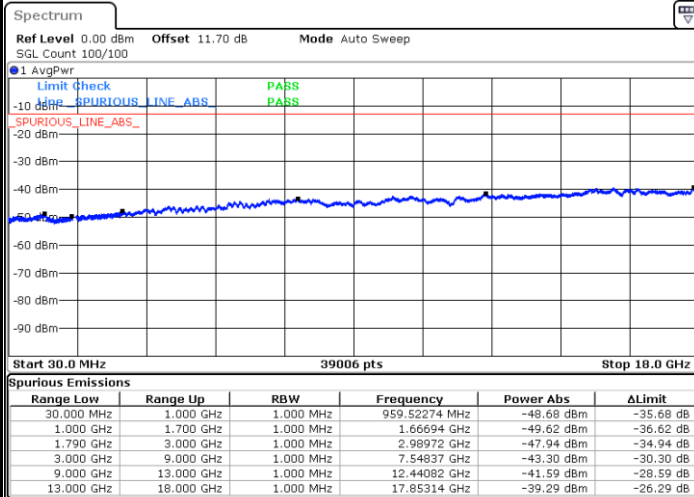
Date: 3 JAN 2020 03:15:22

Middle Channel / 64QAM



Date: 3 JAN 2020 03:16:28

Highest Channel / 64QAM

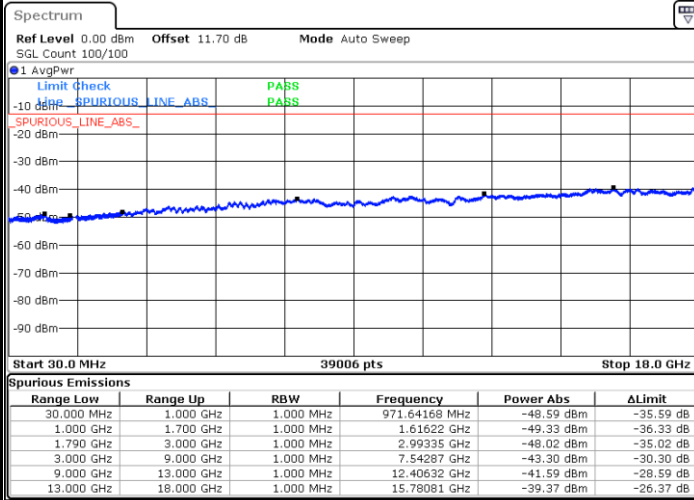


Date: 3 JAN 2020 03:18:55



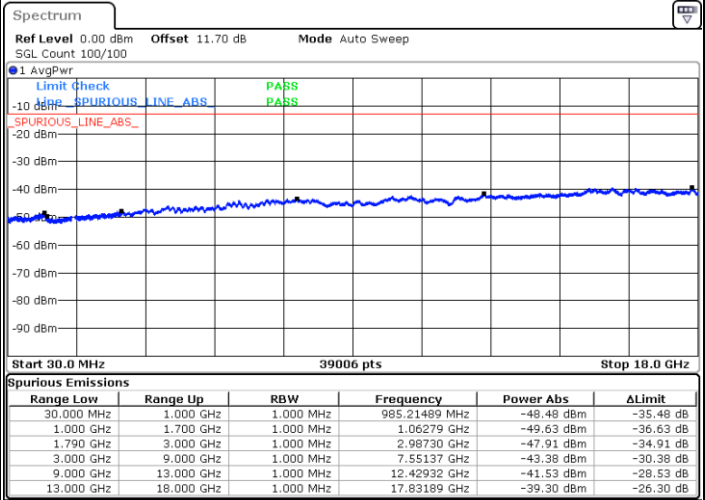
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



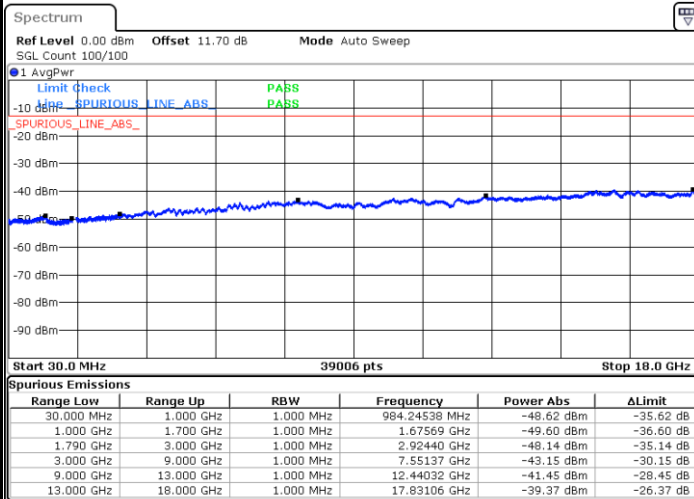
Date: 3 JAN 2020 03:45:25

Middle Channel / 64QAM



Date: 3 JAN 2020 03:46:30

Highest Channel / 64QAM

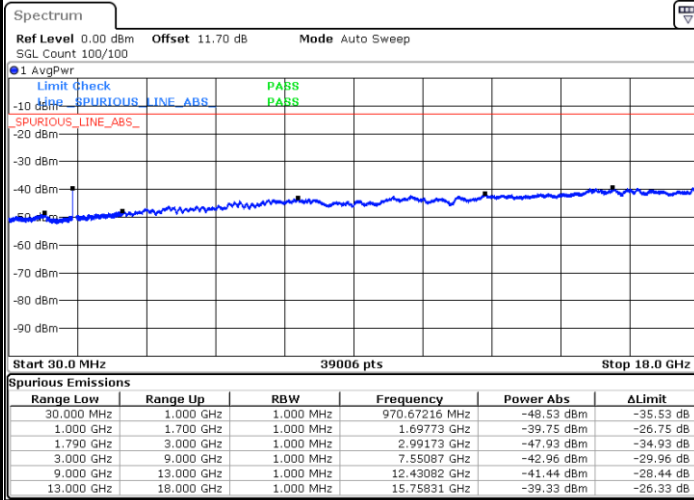


Date: 3 JAN 2020 03:48:57



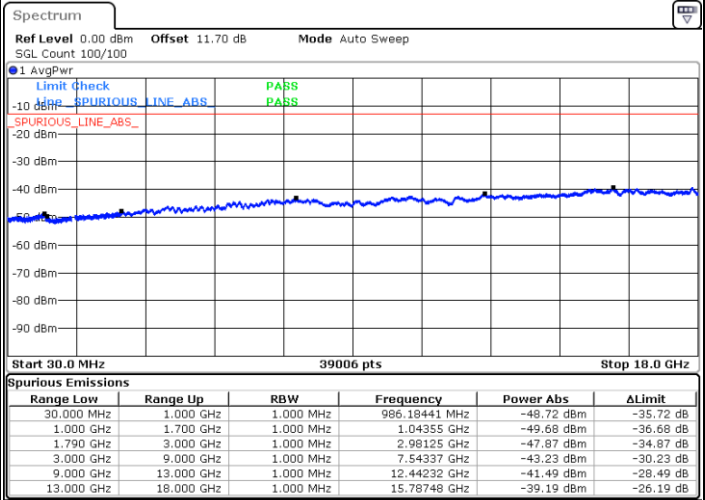
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



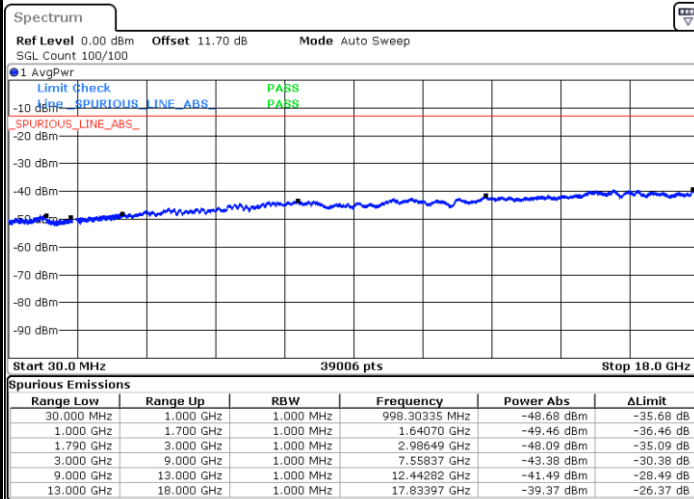
Date: 3 JAN 2020 03:51:26

Middle Channel / 64QAM



Date: 3 JAN 2020 03:52:32

Highest Channel / 64QAM

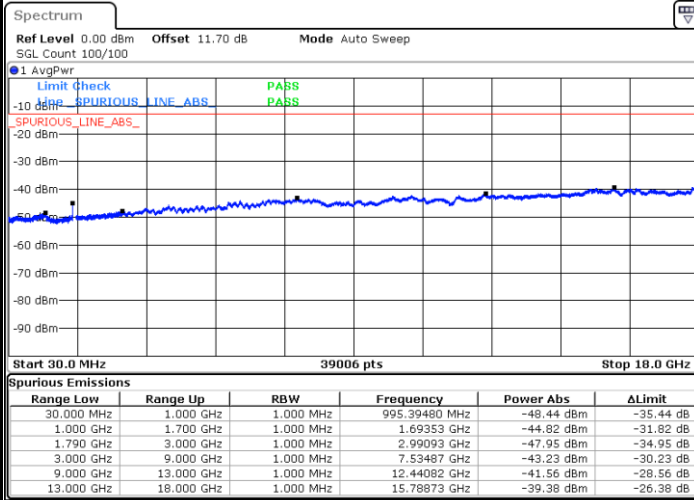


Date: 3 JAN 2020 03:54:59



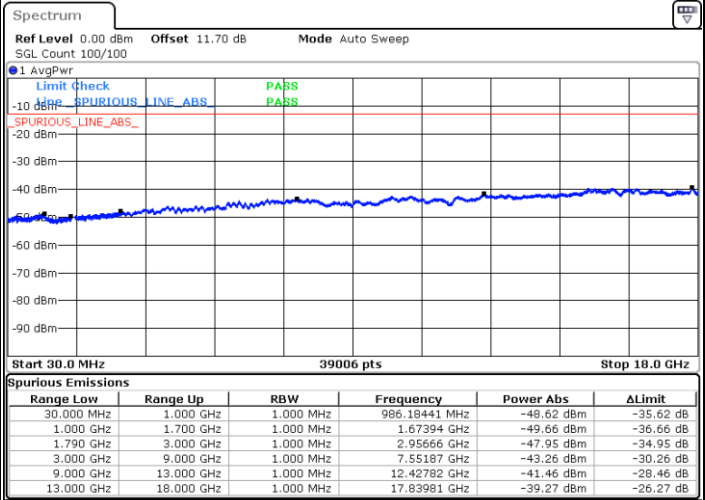
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



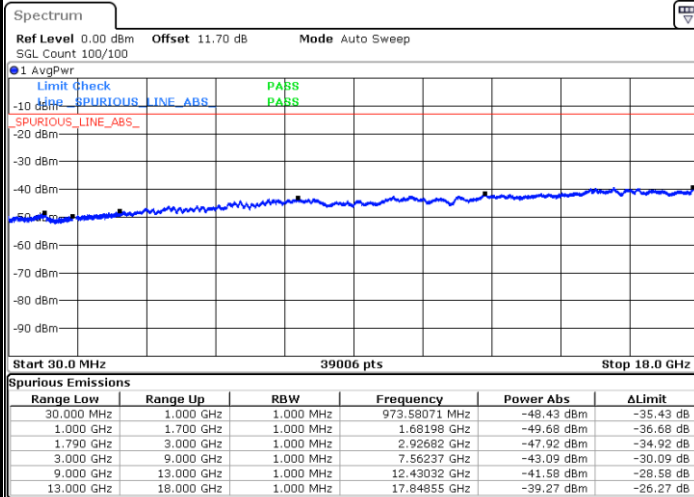
Date: 3 JAN 2020 06:06:37

Middle Channel / 64QAM



Date: 3 JAN 2020 06:07:43

Highest Channel / 64QAM



Date: 3 JAN 2020 06:10:11

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	0.0002	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0061	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0050	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 66B

26dB Bandwidth

Mode	LTE Band 66B : 26dB BW(MHz)		
QPSK			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.91	14.60	18.86
Middle CH	9.95	14.57	18.86
Highest CH	9.89	14.57	18.94
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.60	19.58	19.10
Middle CH	14.81	19.58	19.06
Highest CH	14.75	19.66	19.14

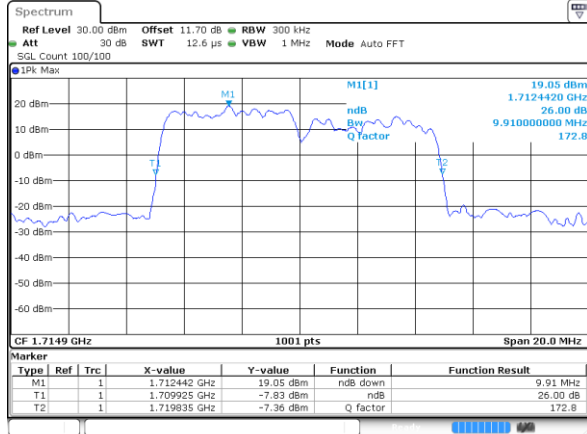
Mode	LTE Band 66B : 26dB BW(MHz)		
16QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.97	14.54	18.86
Middle CH	9.93	14.57	18.90
Highest CH	9.91	14.57	18.90
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.72	19.50	18.98
Middle CH	14.66	19.62	19.18
Highest CH	14.75	19.54	19.02

Mode	LTE Band 66B : 26dB BW(MHz)		
64QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.95	14.51	18.90
Middle CH	9.93	14.51	18.94
Highest CH	9.95	14.57	18.90
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.69	19.70	19.22
Middle CH	14.69	19.54	18.94
Highest CH	14.66	19.50	19.22

LTE Band 66B

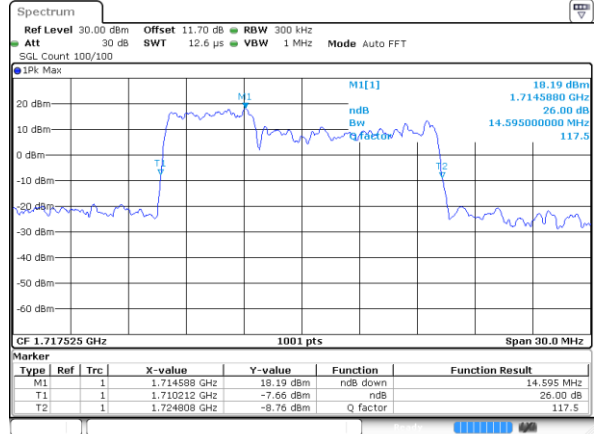
QPSK

Lowest Channel / 5MHz+5MHz



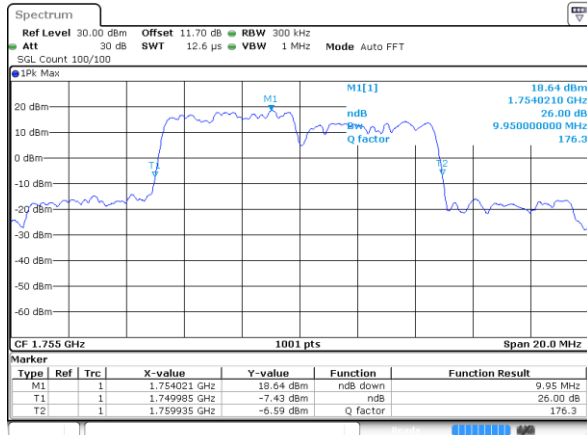
Date: 30 DEC 2019 23:54:07

Lowest Channel / 5MHz+10MHz



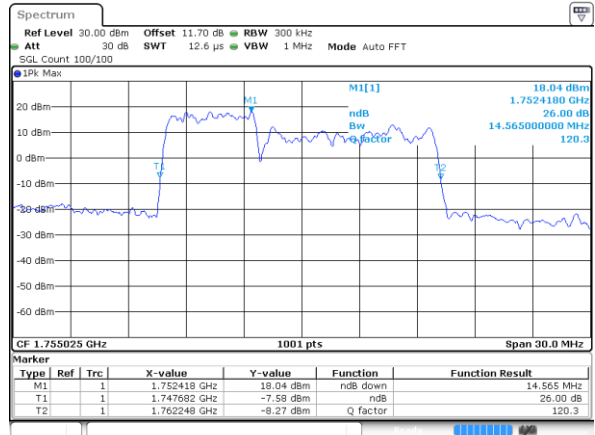
Date: 31 DEC 2019 00:57:09

Middle Channel / 5MHz+5MHz



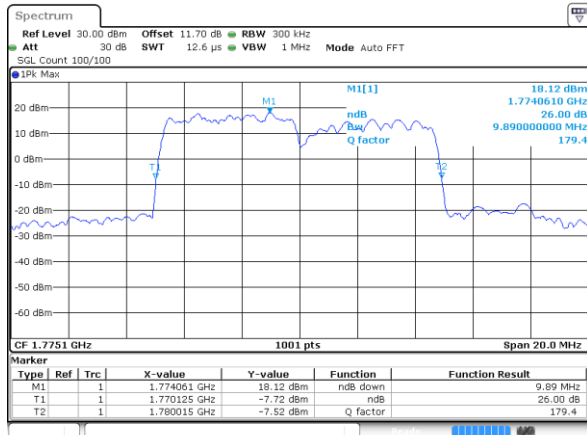
Date: 31 DEC 2019 00:17:11

Middle Channel / 5MHz+10MHz



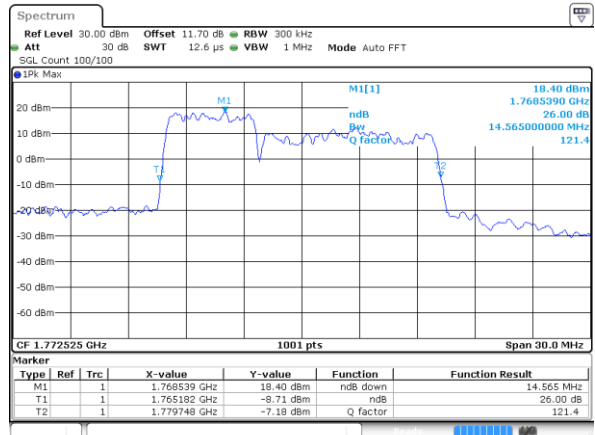
Date: 31 DEC 2019 01:19:04

Highest Channel / 5MHz+5MHz

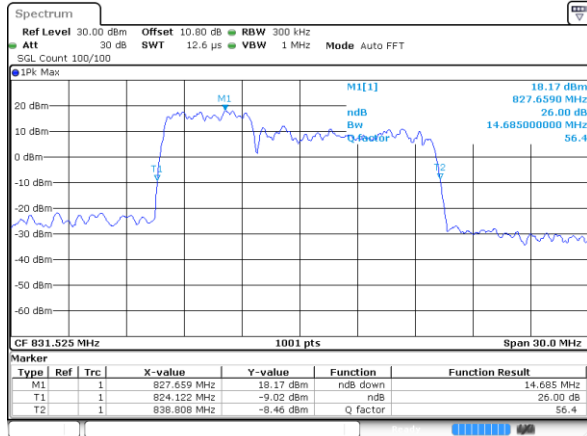


Date: 31 DEC 2019 00:33:17

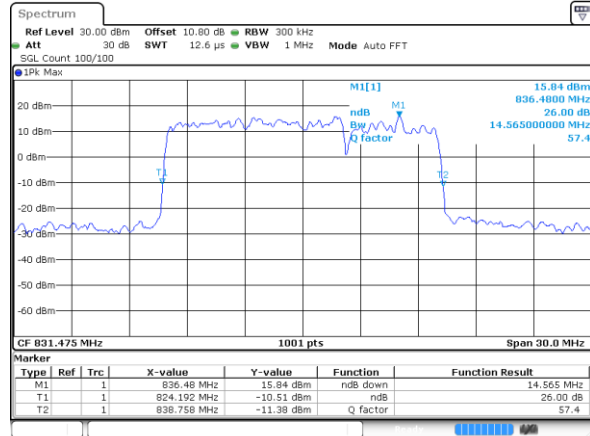
Highest Channel / 5MHz+10MHz



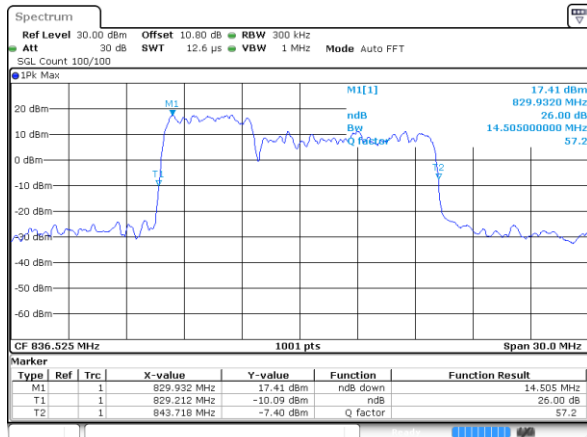
Date: 31 DEC 2019 01:32:45

LTE Band 66B
QPSK
Lowest Channel / 5MHz+15MHz


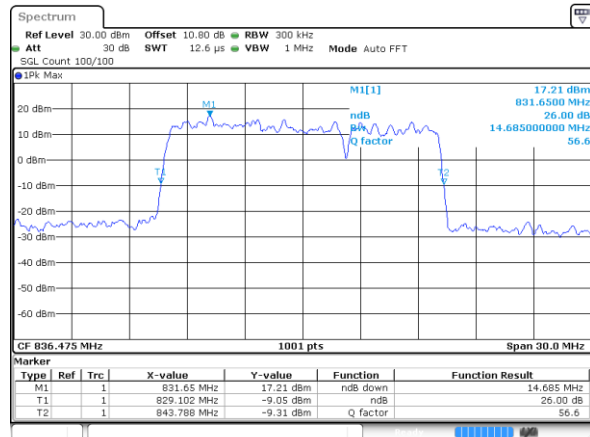
Date: 1 JAN 2020 17:40:51

Lowest Channel / 10MHz+5MHz


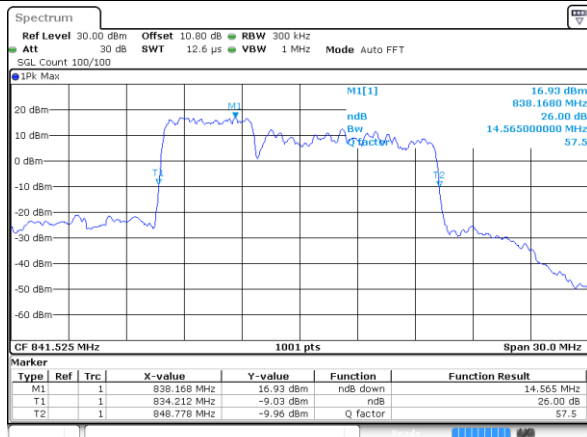
Date: 1 JAN 2020 18:56:15

Middle Channel / 5MHz+15MHz


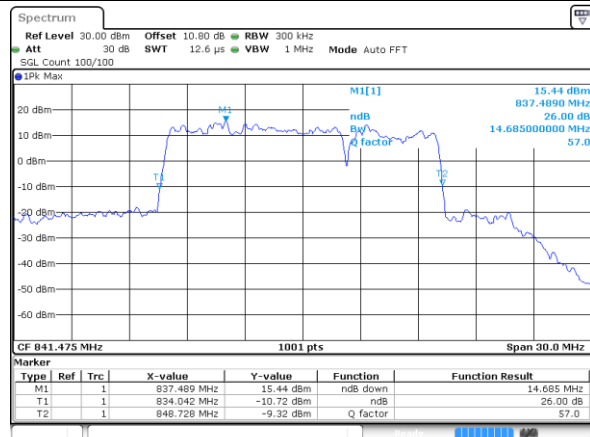
Date: 1 JAN 2020 18:12:58

Middle Channel / 10MHz+5MHz


Date: 1 JAN 2020 19:24:51

Highest Channel / 5MHz+15MHz


Date: 1 JAN 2020 18:26:11

Highest Channel / 10MHz+5MHz


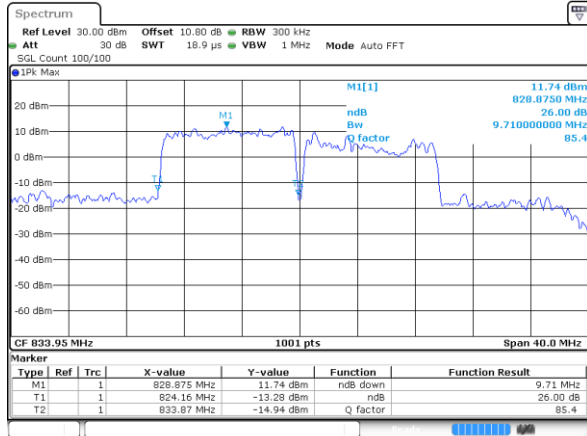
Date: 1 JAN 2020 19:36:27



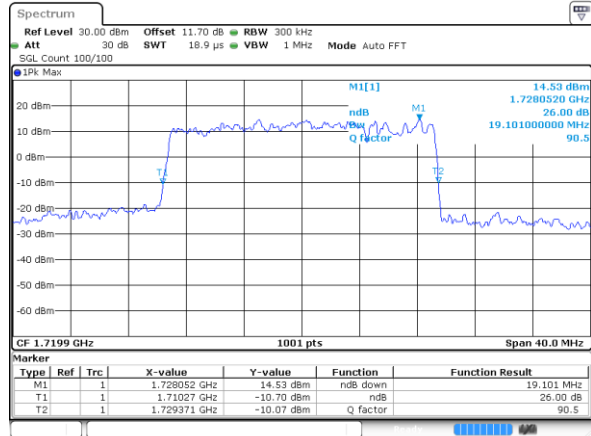
LTE Band 66B

QPSK

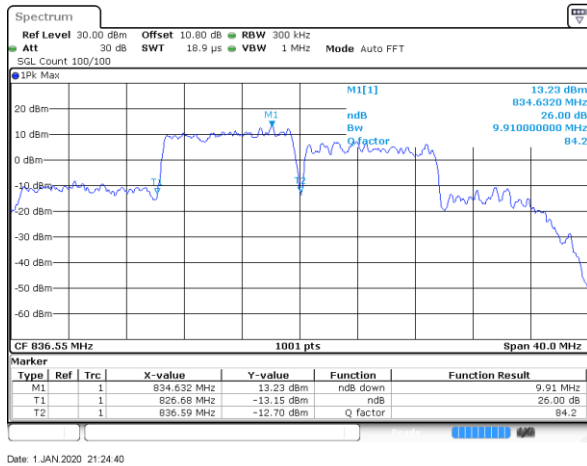
Lowest Channel / 10MHz+10MHz



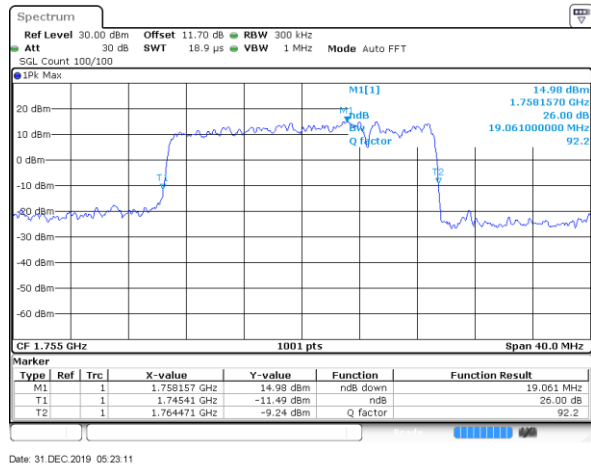
Lowest Channel / 15MHz+5MHz



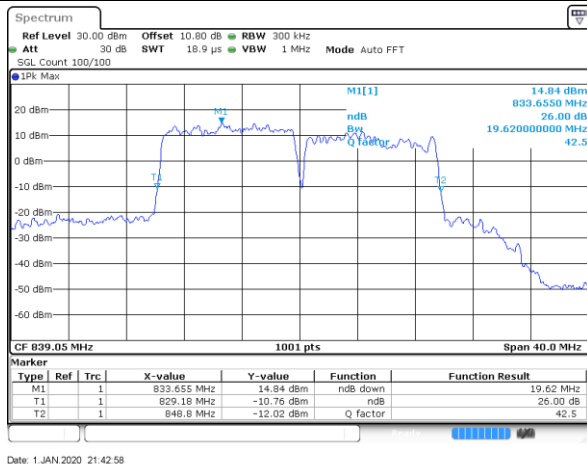
Middle Channel / 10MHz+10MHz



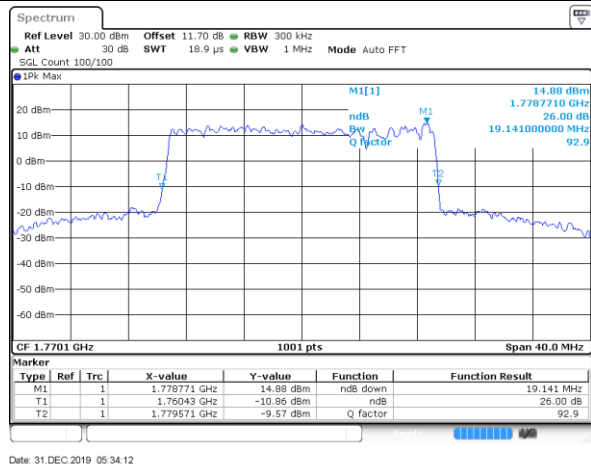
Middle Channel / 15MHz+5MHz



Highest Channel / 10MHz+10MHz



Highest Channel / 15MHz+5MHz

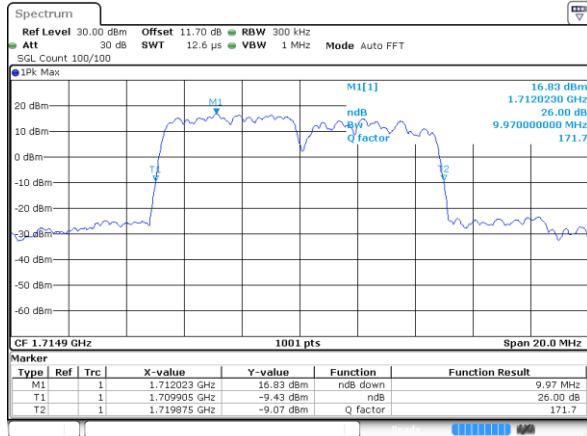




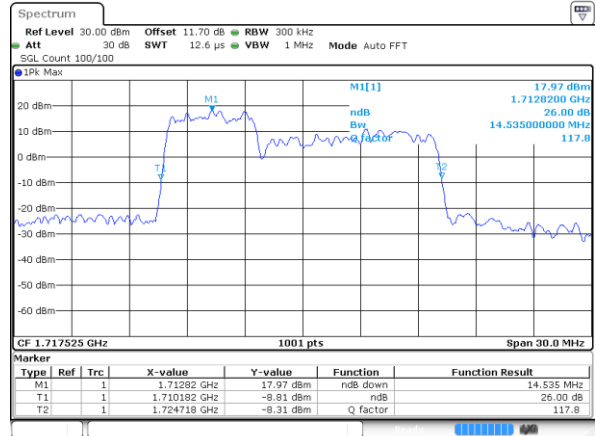
LTE Band 66B

16QAM

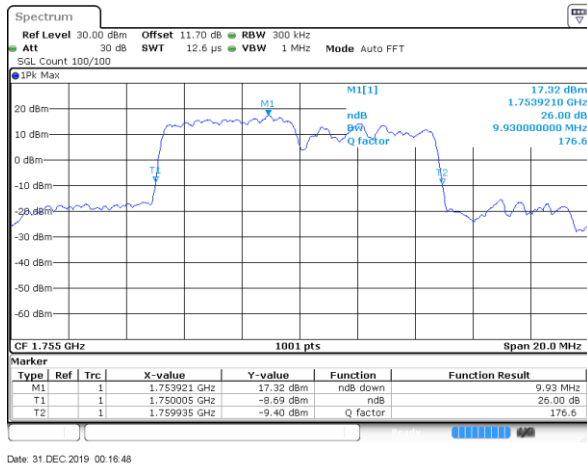
Lowest Channel / 5MHz+5MHz



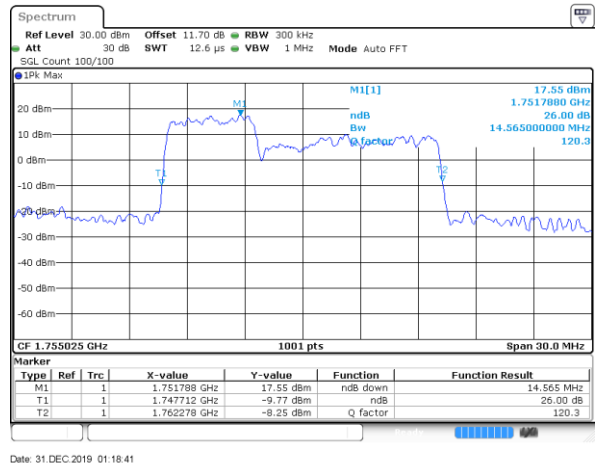
Lowest Channel / 5MHz+10MHz



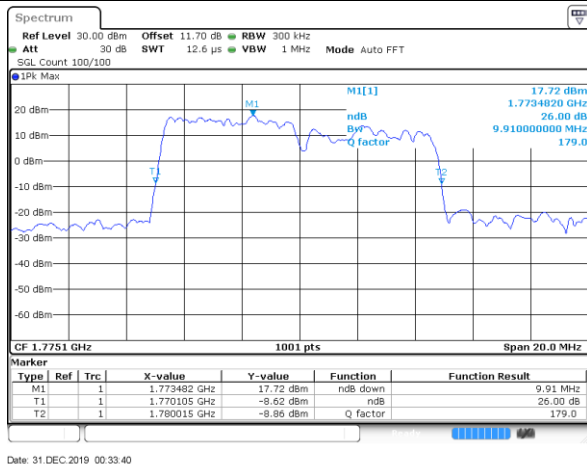
Middle Channel / 5MHz+5MHz



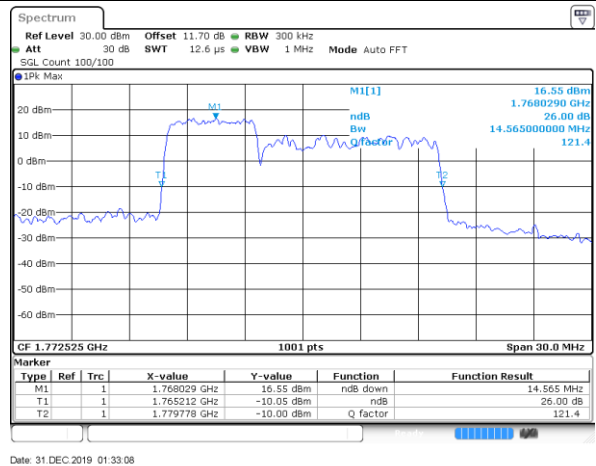
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

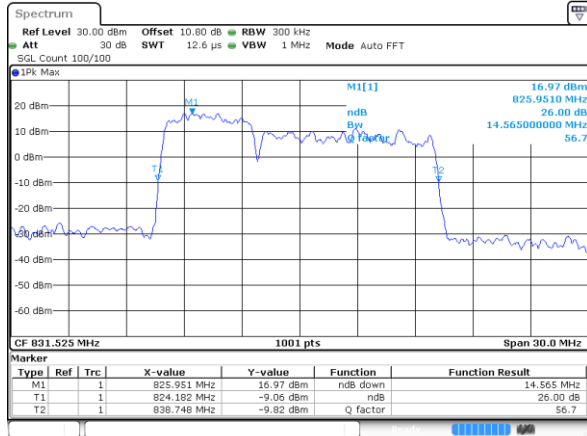




LTE Band 66B

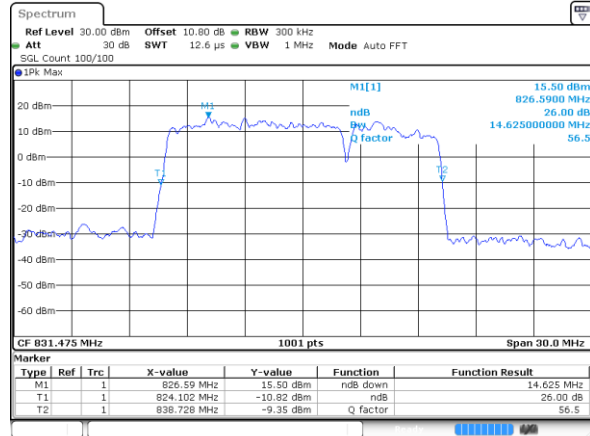
16QAM

Lowest Channel / 5MHz+15MHz



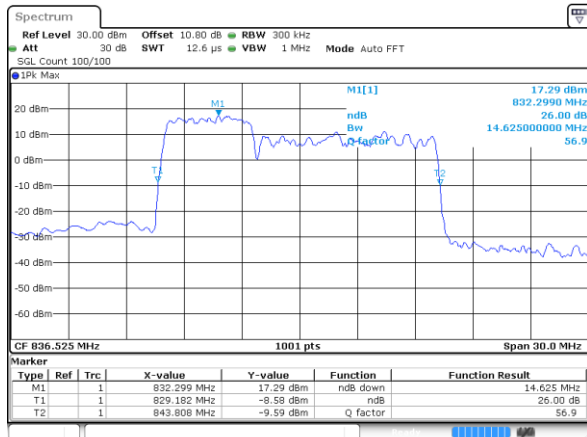
Date: 1 JAN 2020 17:40:28

Lowest Channel / 10MHz+5MHz



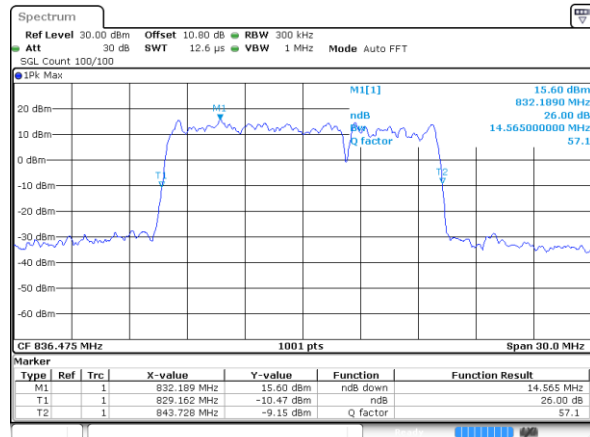
Date: 1 JAN 2020 18:55:52

Middle Channel / 5MHz+15MHz



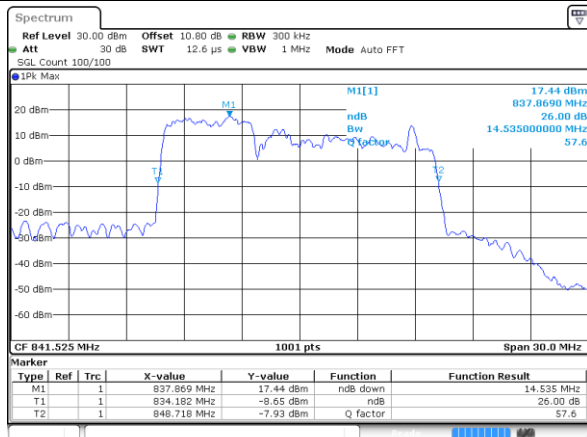
Date: 1 JAN 2020 18:12:36

Middle Channel / 10MHz+5MHz



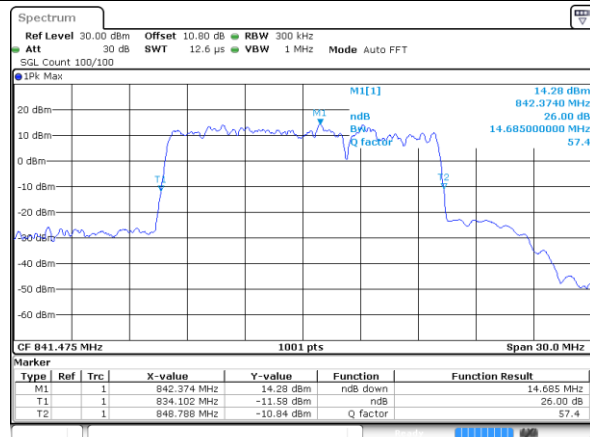
Date: 1 JAN 2020 19:24:29

Highest Channel / 5MHz+15MHz

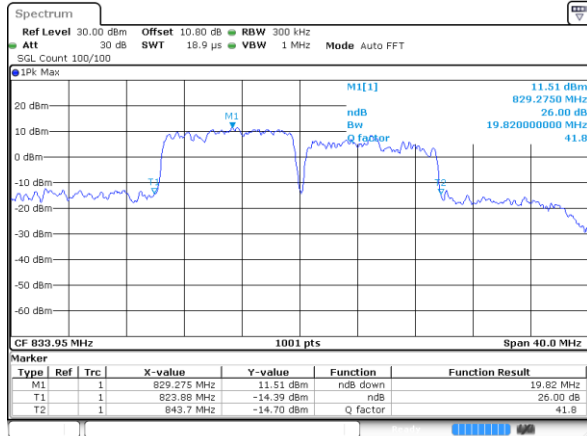
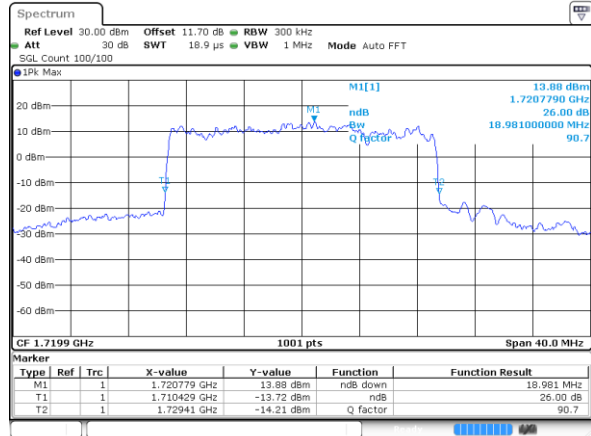
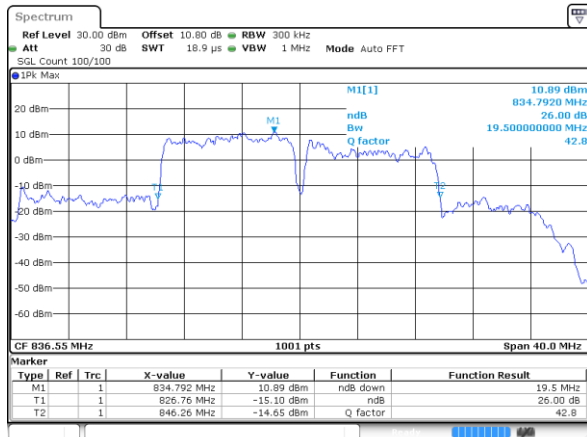
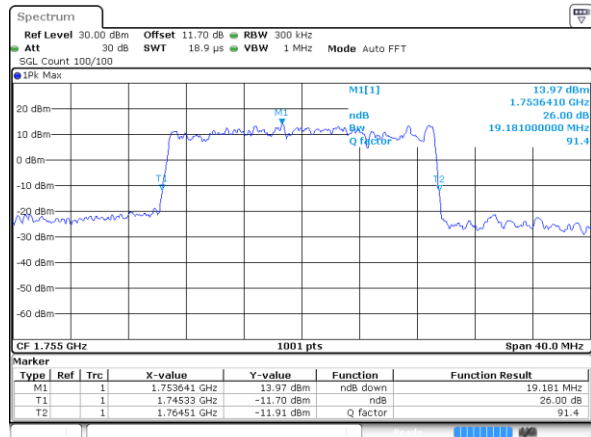
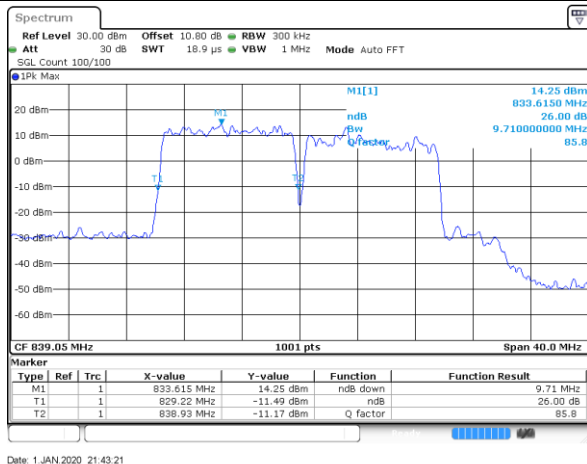
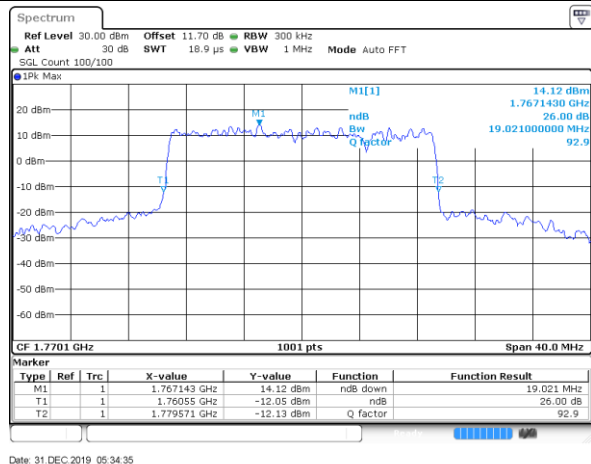


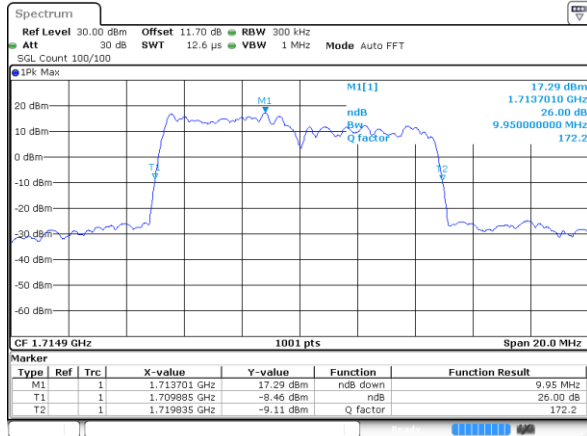
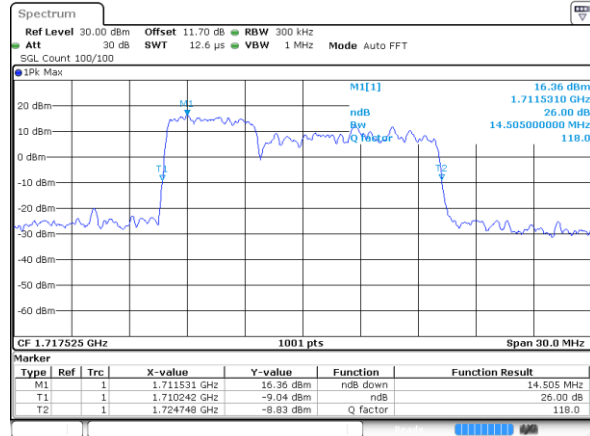
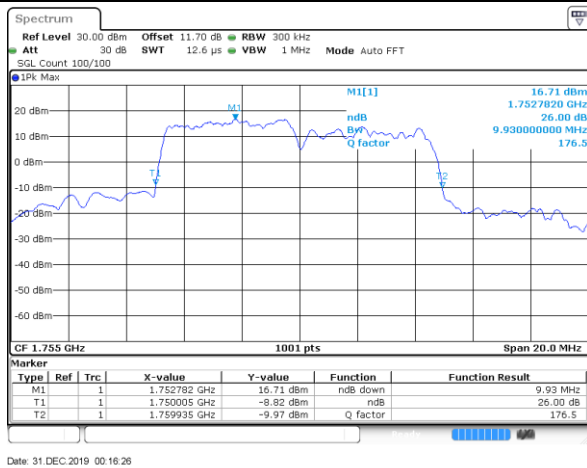
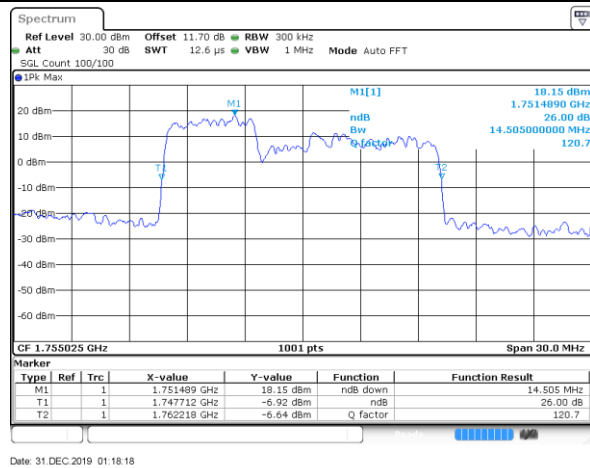
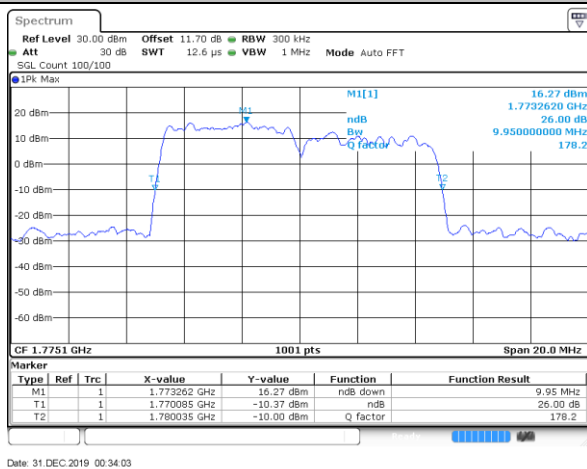
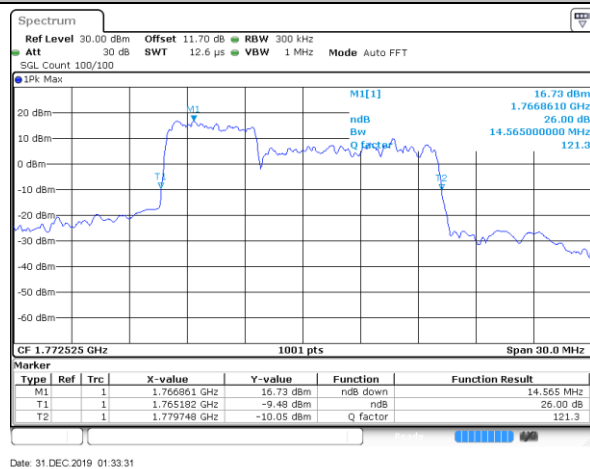
Date: 1 JAN 2020 18:26:34

Highest Channel / 10MHz+5MHz



Date: 1 JAN 2020 19:36:50

LTE Band 66B
16QAM
Lowest Channel / 10MHz+10MHz

Lowest Channel / 15MHz+5MHz

Middle Channel / 10MHz+10MHz

Middle Channel / 15MHz+5MHz

Highest Channel / 10MHz+10MHz

Highest Channel / 15MHz+5MHz


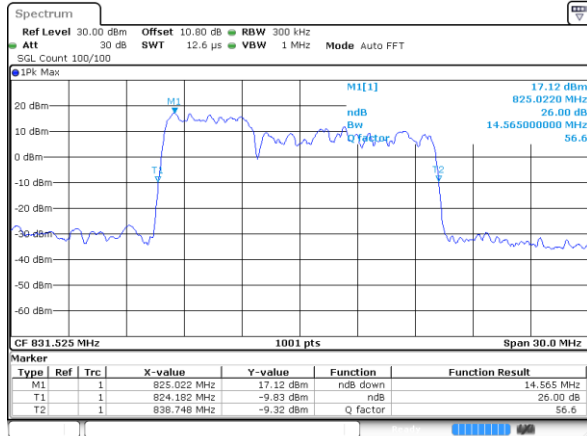
LTE Band 66B
64QAM
Lowest Channel / 5MHz+5MHz

Lowest Channel / 5MHz+10MHz

Middle Channel / 5MHz+5MHz

Middle Channel / 5MHz+10MHz

Highest Channel / 5MHz+5MHz

Highest Channel / 5MHz+10MHz




LTE Band 66B

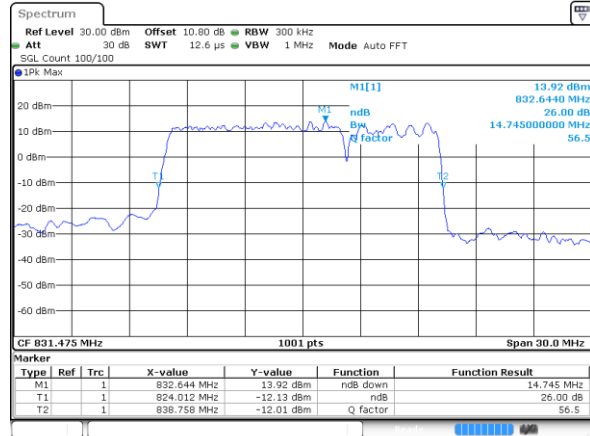
64QAM

Lowest Channel / 5MHz+15MHz



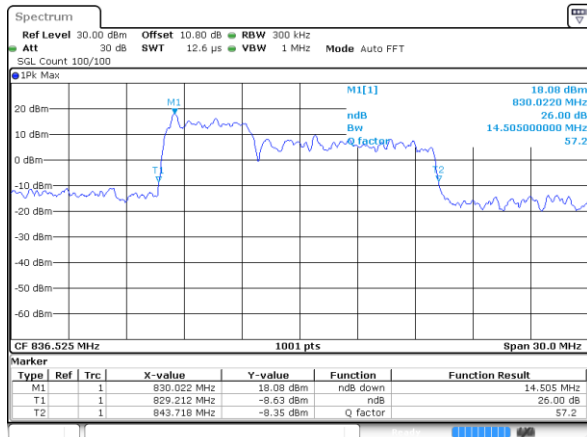
Date: 1 JAN 2020 17:40:05

Lowest Channel / 10MHz+5MHz



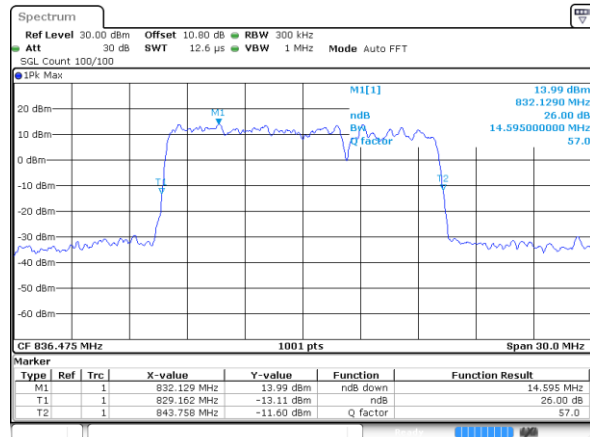
Date: 1 JAN 2020 18:55:29

Middle Channel / 5MHz+15MHz



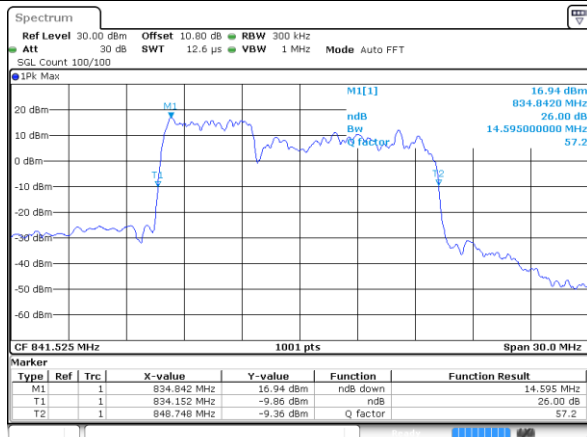
Date: 1 JAN 2020 18:12:13

Middle Channel / 10MHz+5MHz



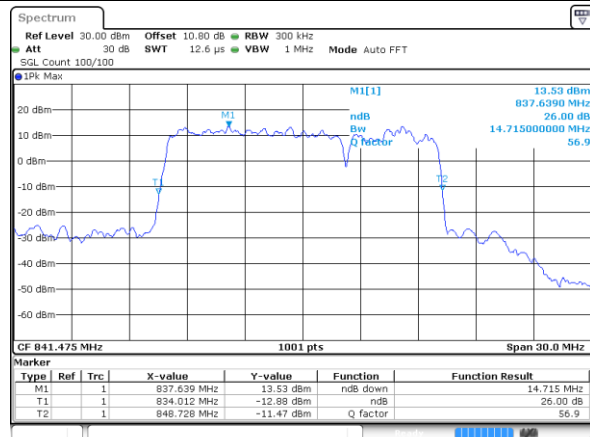
Date: 1 JAN 2020 19:24:06

Highest Channel / 5MHz+15MHz

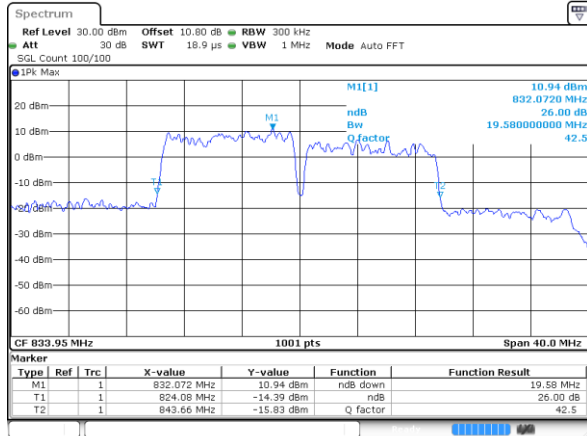
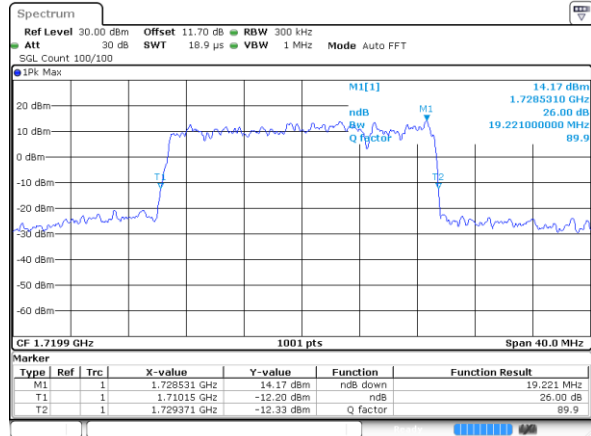
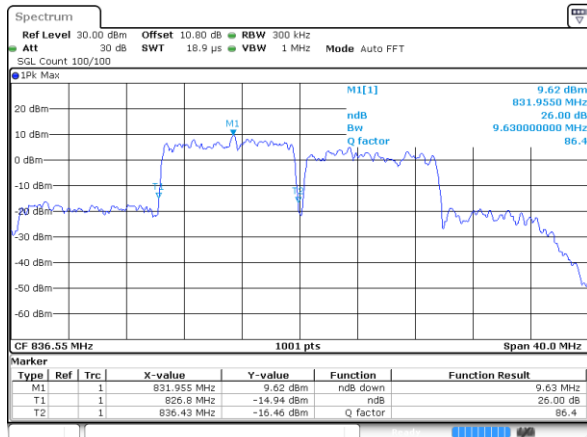
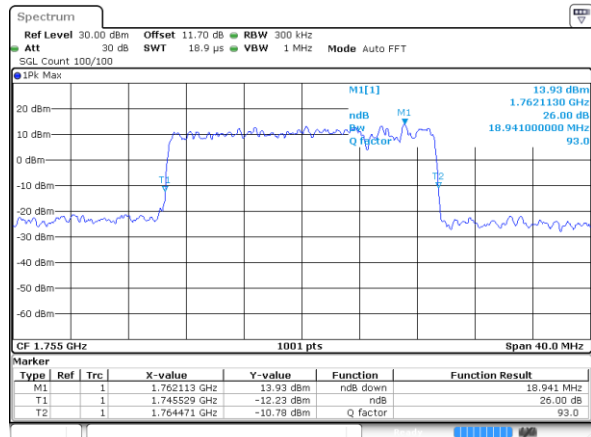
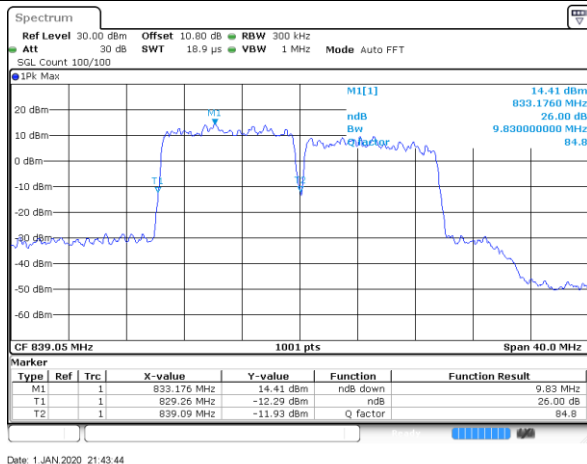
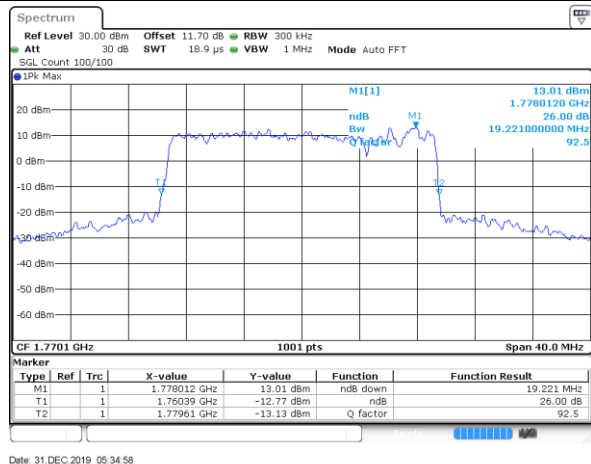


Date: 1 JAN 2020 18:26:57

Highest Channel / 10MHz+5MHz



Date: 1 JAN 2020 19:37:13

LTE Band 66B
64QAM
Lowest Channel / 10MHz+10MHz

Lowest Channel / 15MHz+5MHz

Middle Channel / 10MHz+10MHz

Middle Channel / 15MHz+5MHz

Highest Channel / 10MHz+10MHz

Highest Channel / 15MHz+5MHz


Occupied Bandwidth

Mode	LTE Band 66B : 99%OBW(MHz)		
QPSK			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.29	13.82	18.02
Middle CH	9.23	13.76	18.22
Highest CH	9.23	13.85	18.14
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.85	18.78	18.14
Middle CH	13.94	18.62	18.14
Highest CH	14.00	18.78	18.22

Mode	LTE Band 66B : 99%OBW(MHz)		
16QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.21	13.91	17.98
Middle CH	9.27	13.88	18.14
Highest CH	9.31	13.82	18.18
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.91	18.62	18.18
Middle CH	13.85	18.74	18.10
Highest CH	13.94	18.74	18.18

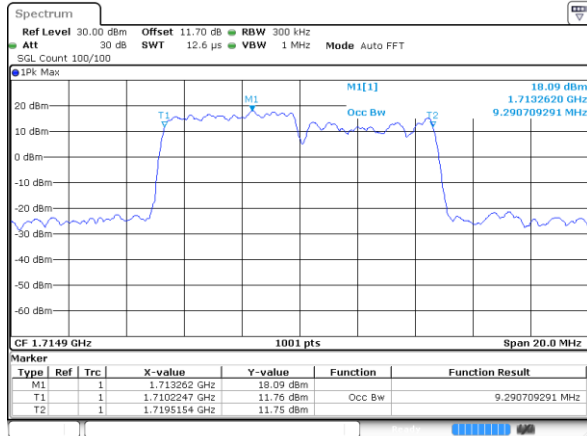
Mode	LTE Band 66B : 99%OBW(MHz)		
64QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.25	13.82	18.06
Middle CH	9.25	13.79	18.18
Highest CH	9.23	13.91	18.02
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.82	18.74	18.18
Middle CH	13.79	18.58	18.14
Highest CH	13.85	18.70	18.18



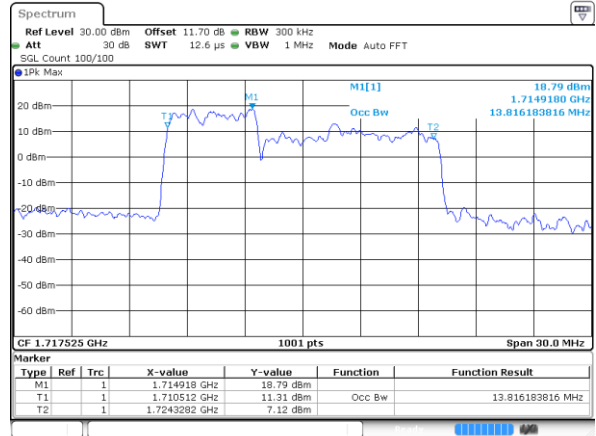
LTE Band 66B

QPSK

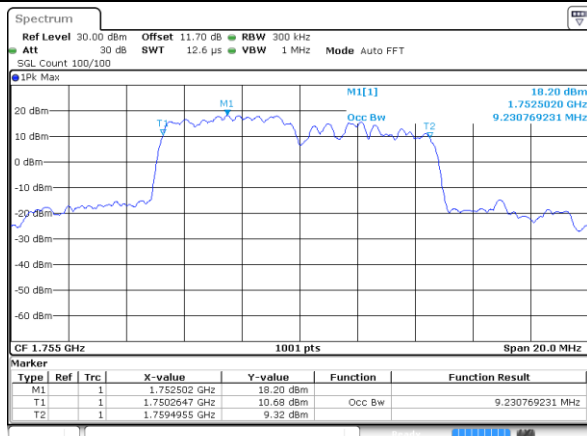
Lowest Channel / 5MHz+5MHz



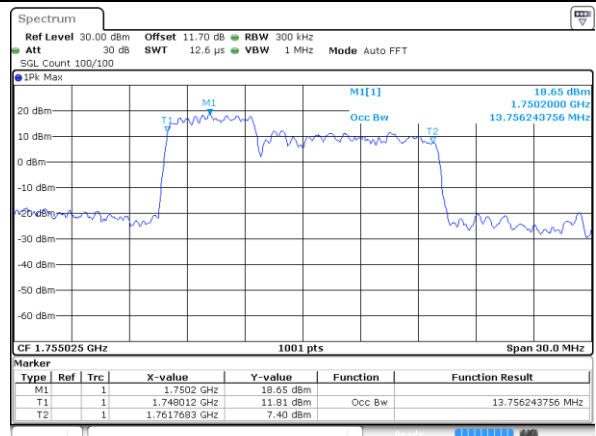
Lowest Channel / 5MHz+10MHz



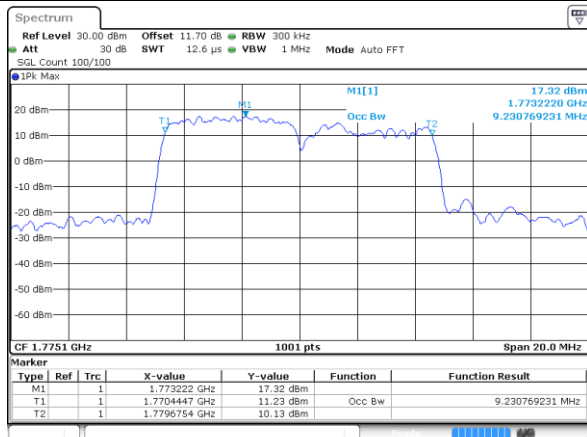
Middle Channel / 5MHz+5MHz



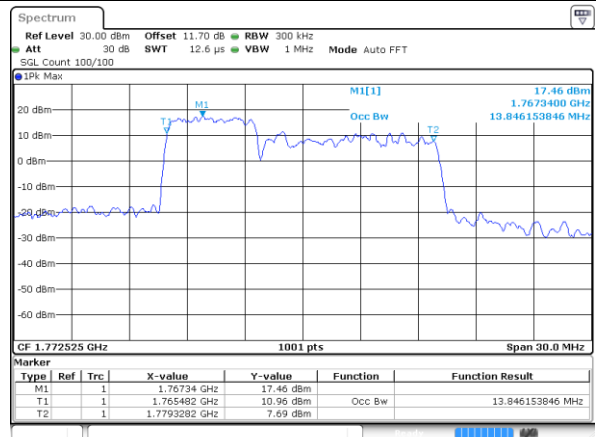
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

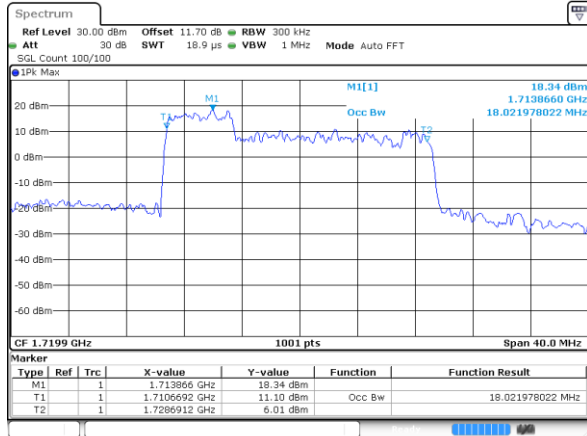




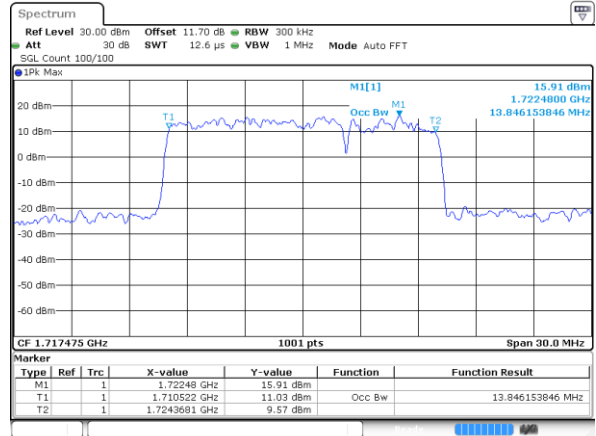
LTE Band 66B

QPSK

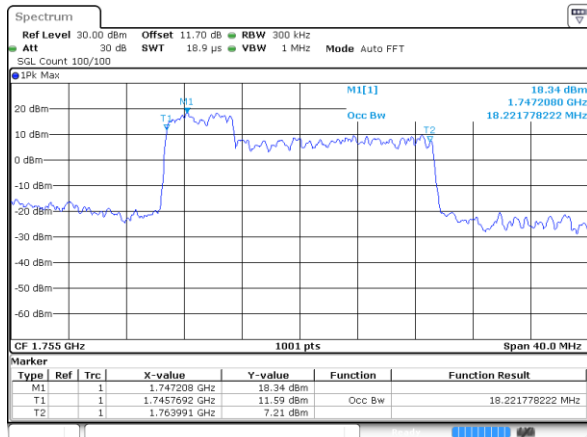
Lowest Channel / 5MHz+15MHz



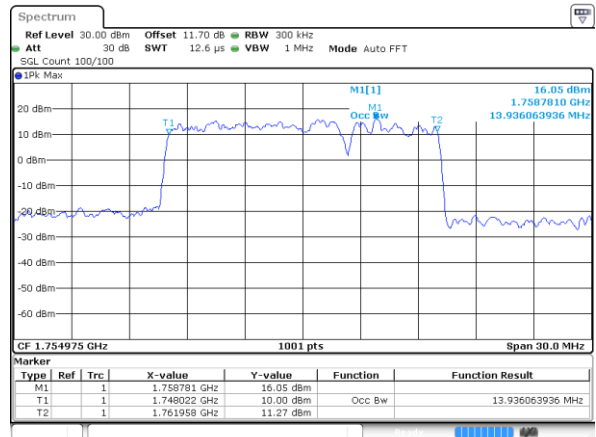
Lowest Channel / 10MHz+5MHz



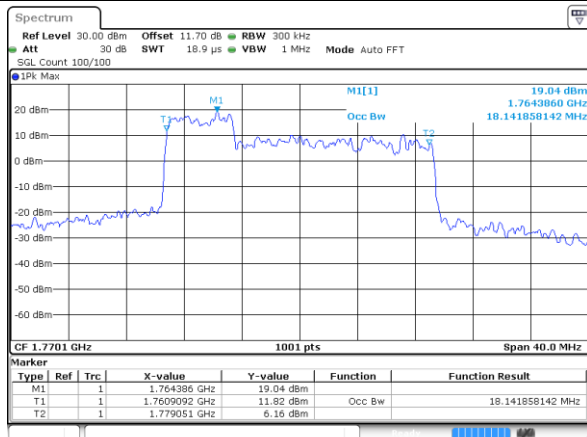
Middle Channel / 5MHz+15MHz



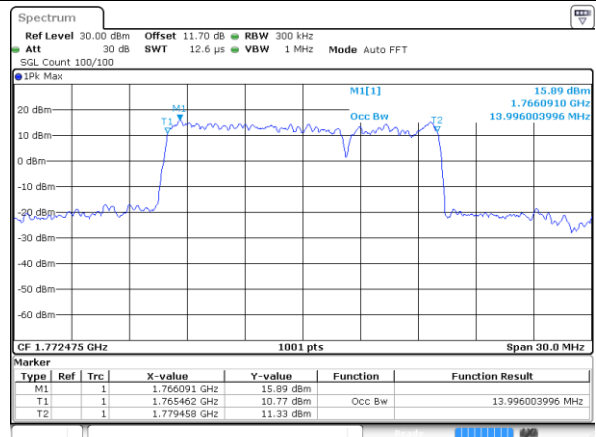
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

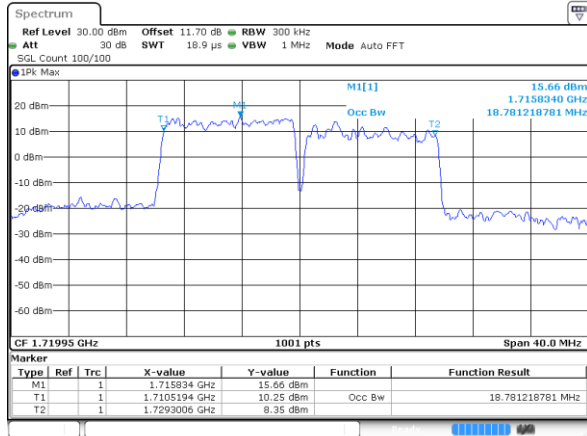




LTE Band 66B

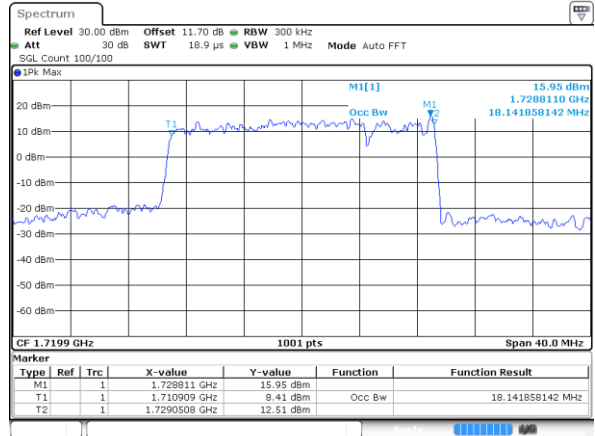
QPSK

Lowest Channel / 10MHz+10MHz



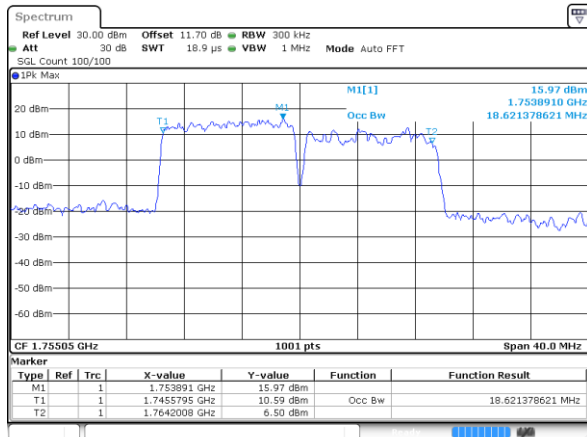
Date: 31 DEC 2019 02:49:09

Lowest Channel / 15MHz+5MHz



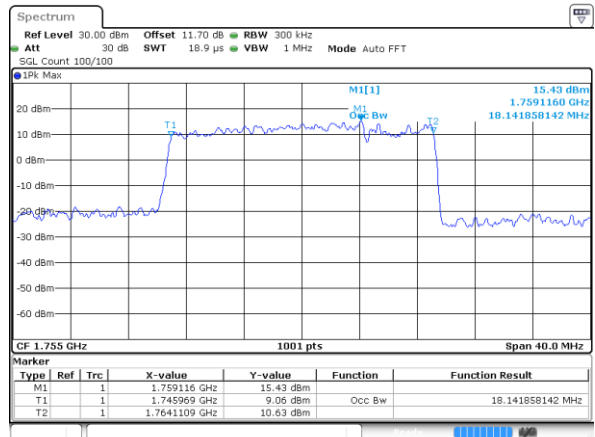
Date: 31 DEC 2019 05:00:05

Middle Channel / 10MHz+10MHz



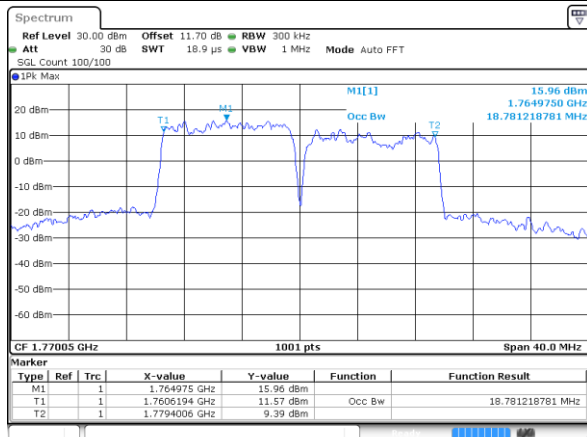
Date: 31 DEC 2019 03:10:33

Middle Channel / 15MHz+5MHz



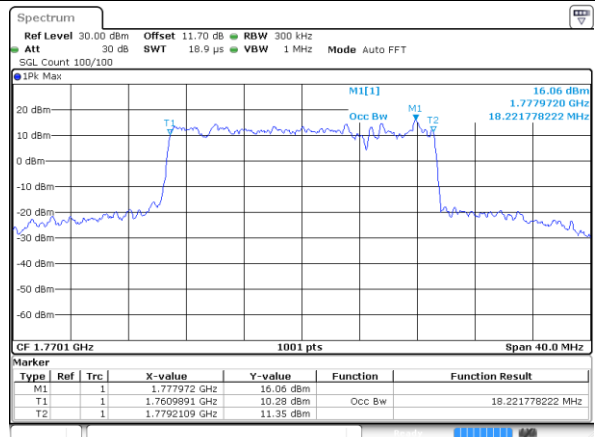
Date: 31 DEC 2019 05:21:17

Highest Channel / 10MHz+10MHz



Date: 31 DEC 2019 03:33:29

Highest Channel / 15MHz+5MHz



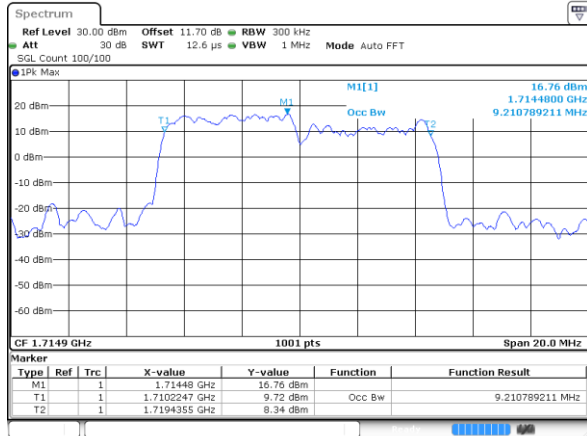
Date: 31 DEC 2019 05:33:50



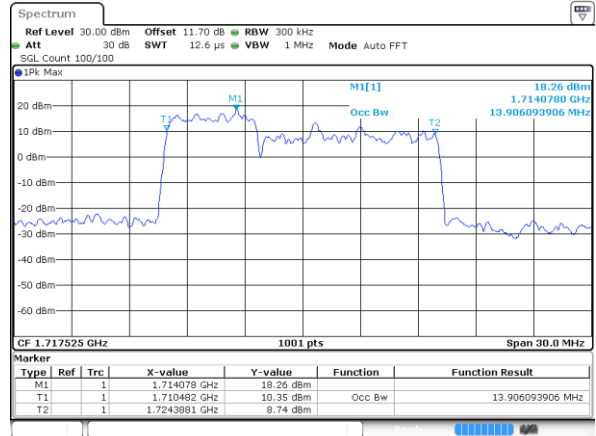
LTE Band 66B

16QAM

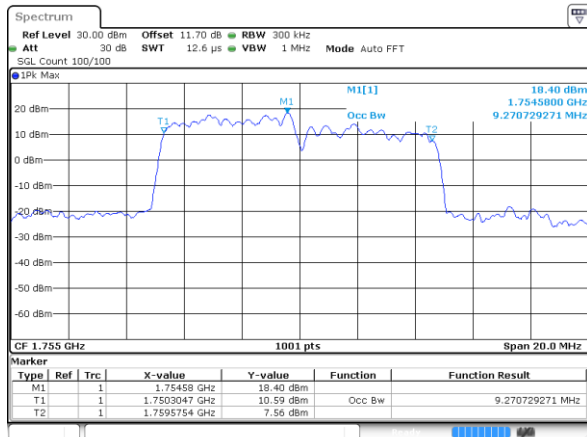
Lowest Channel / 5MHz+5MHz



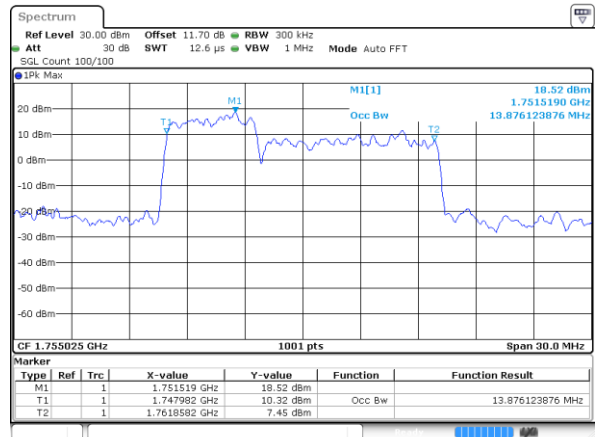
Lowest Channel / 5MHz+10MHz



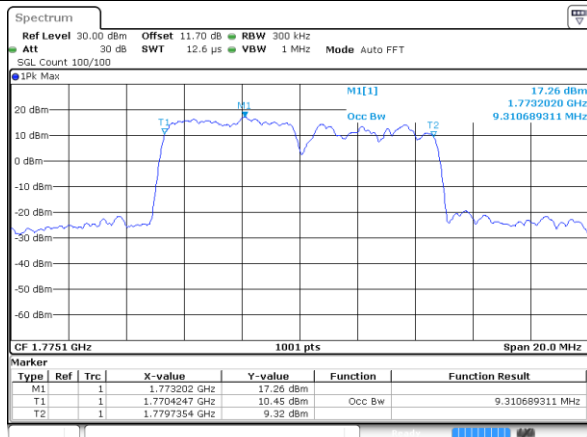
Middle Channel / 5MHz+5MHz



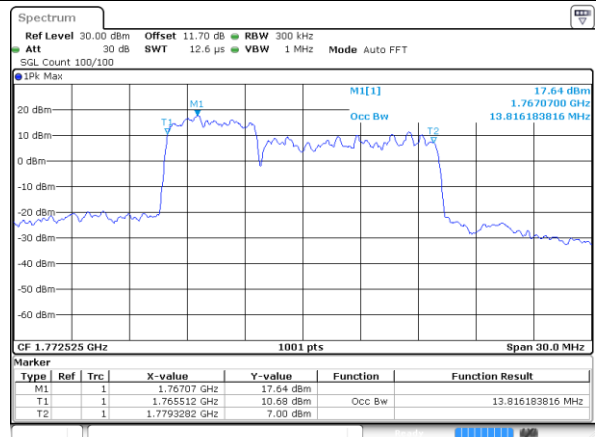
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

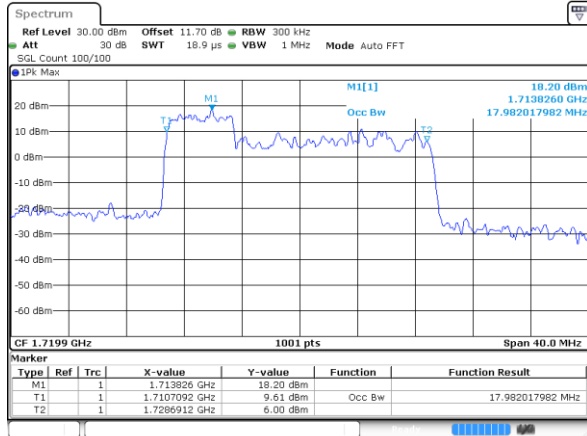




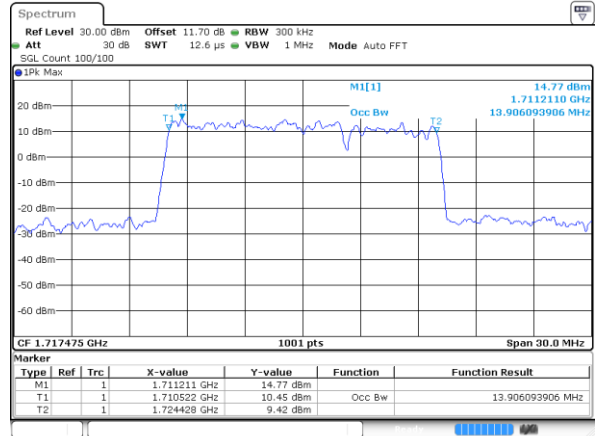
LTE Band 66B

16QAM

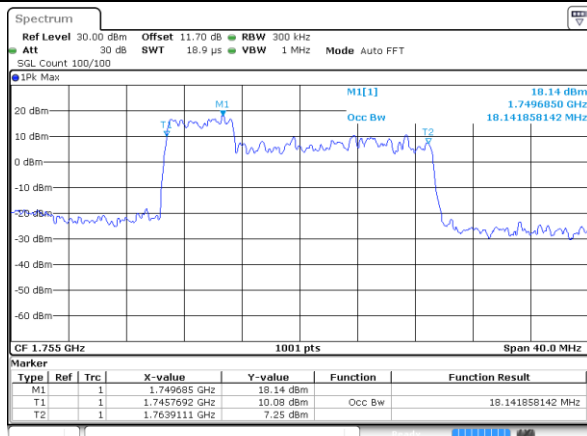
Lowest Channel / 5MHz+15MHz



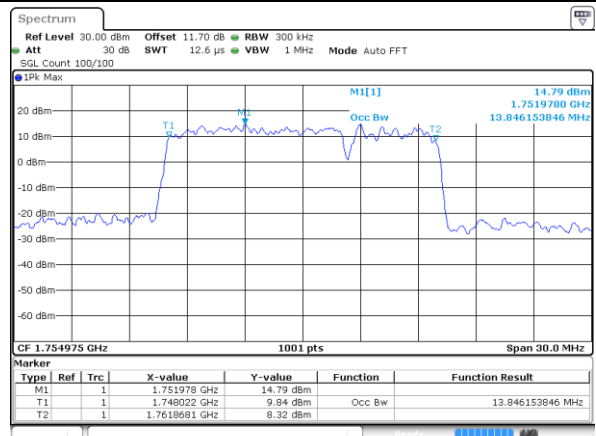
Lowest Channel / 10MHz+5MHz



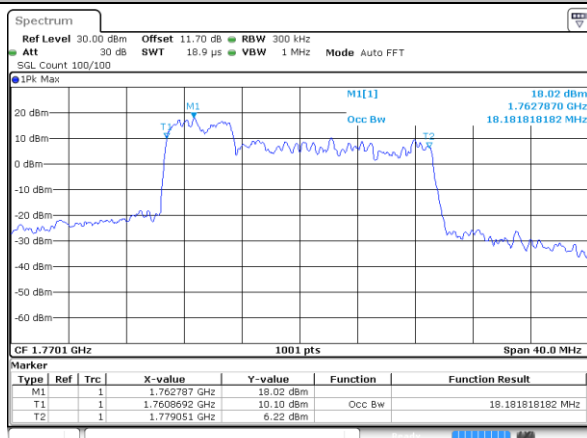
Middle Channel / 5MHz+15MHz



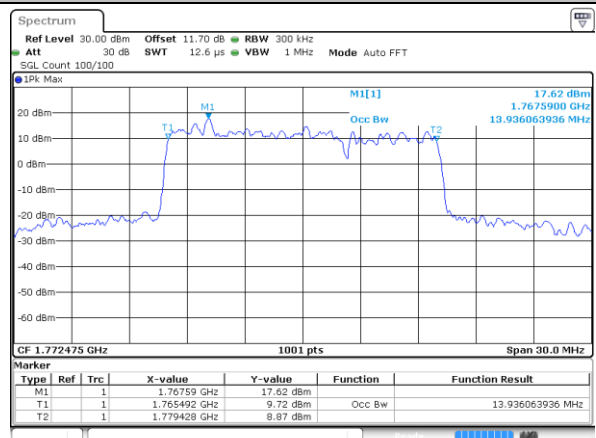
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

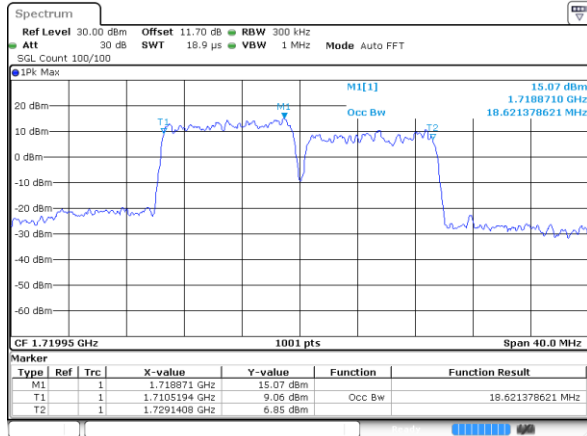




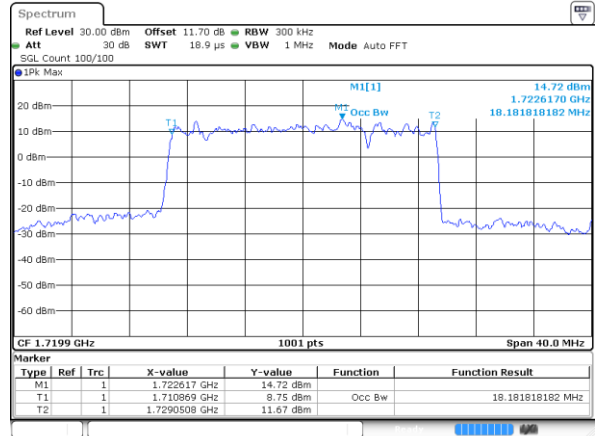
LTE Band 66B

16QAM

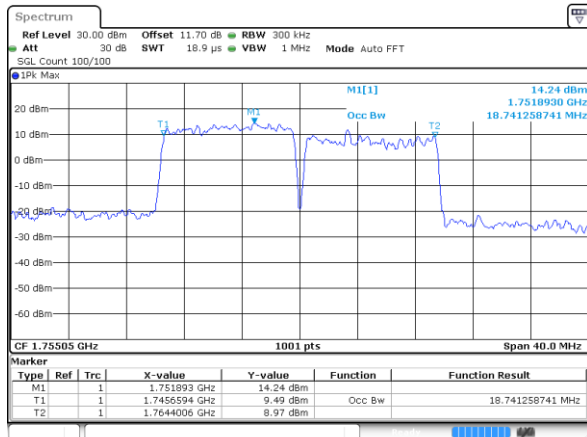
Lowest Channel / 10MHz+10MHz



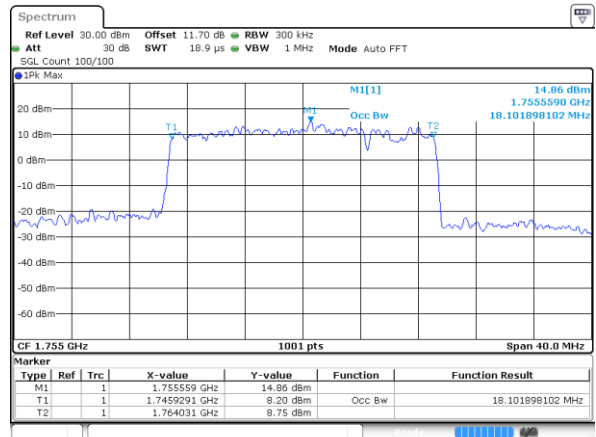
Lowest Channel / 15MHz+5MHz



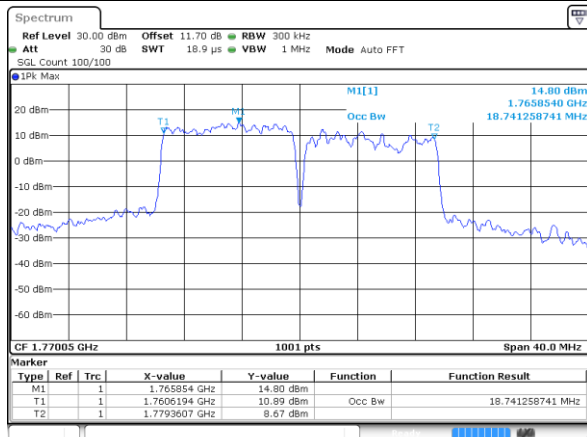
Middle Channel / 10MHz+10MHz



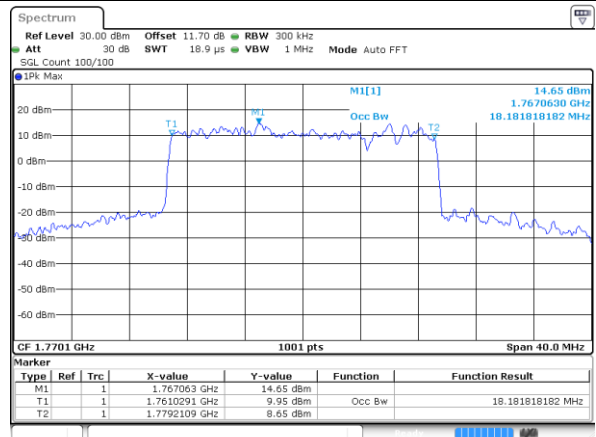
Middle Channel / 15MHz+5MHz



Highest Channel / 10MHz+10MHz



Highest Channel / 15MHz+5MHz

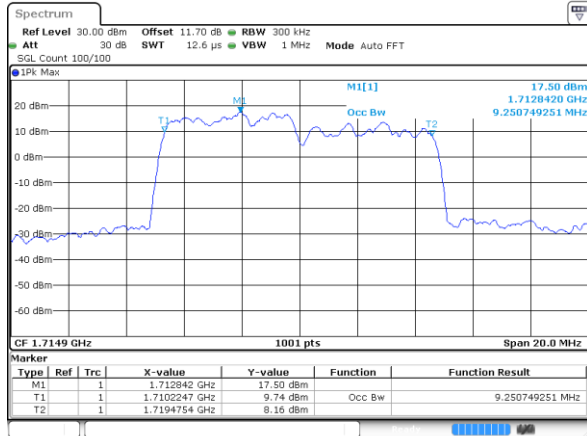




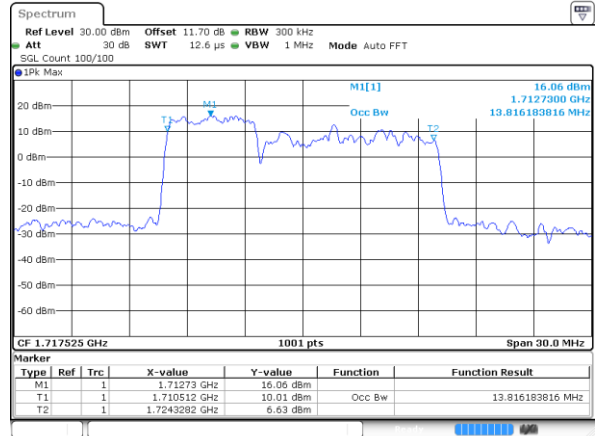
LTE Band 66B

64QAM

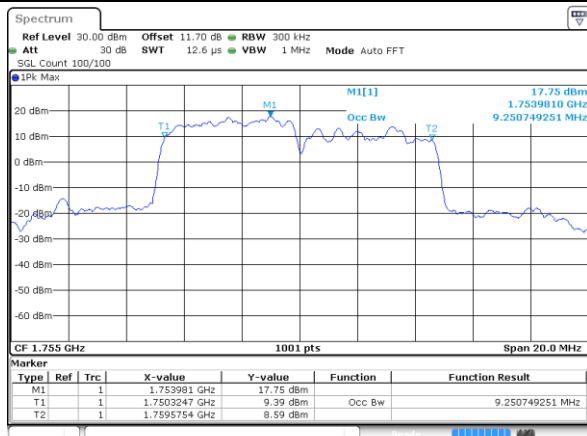
Lowest Channel / 5MHz+5MHz



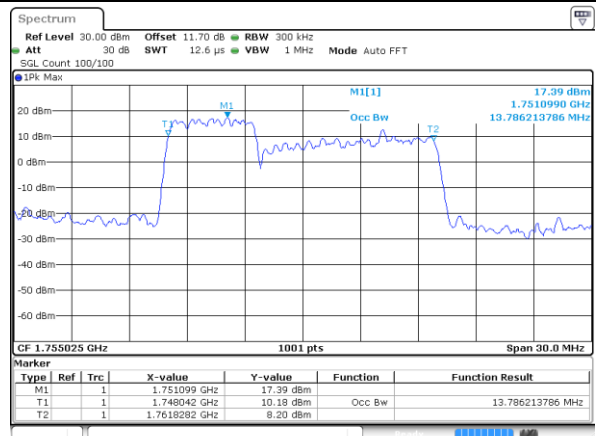
Lowest Channel / 5MHz+10MHz



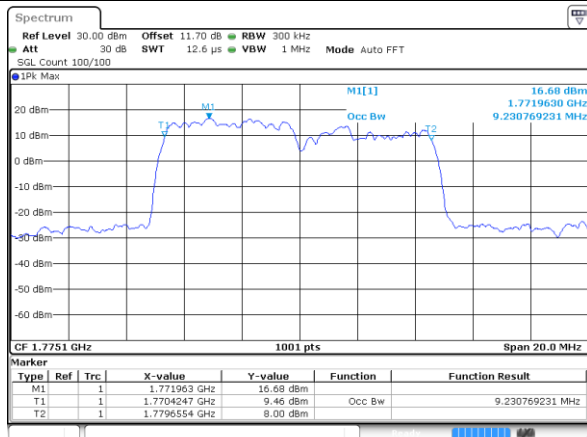
Middle Channel / 5MHz+5MHz



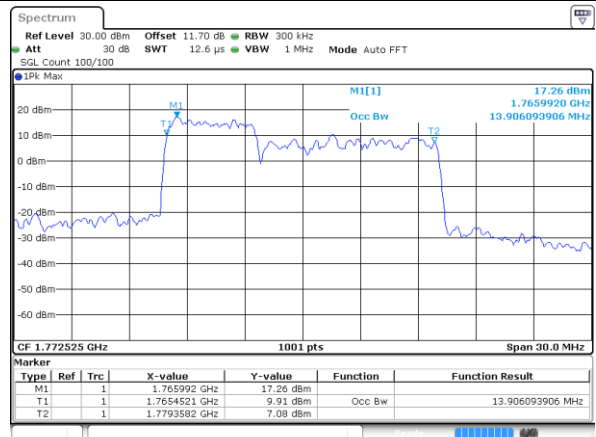
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

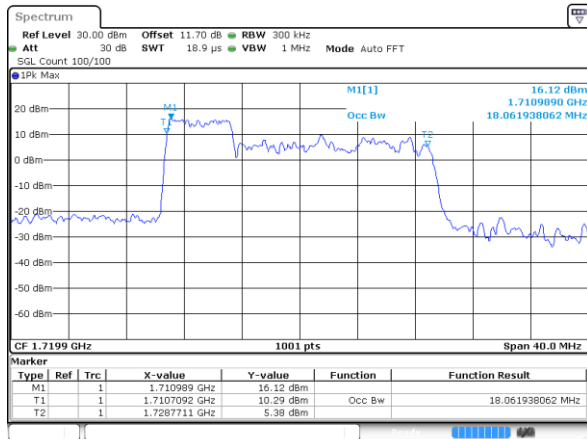




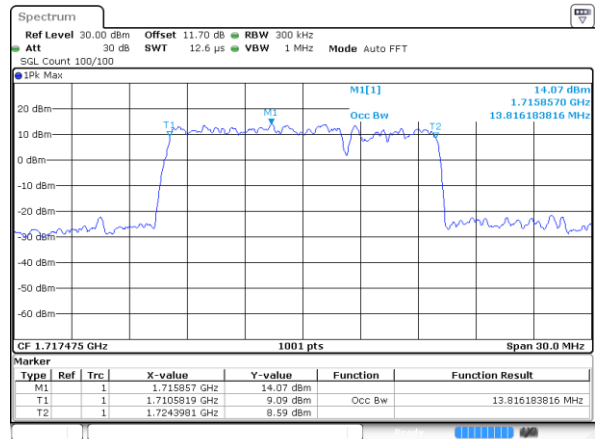
LTE Band 66B

64QAM

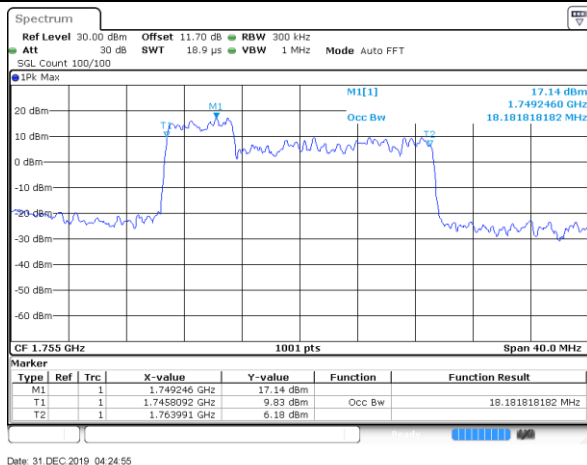
Lowest Channel / 5MHz+15MHz



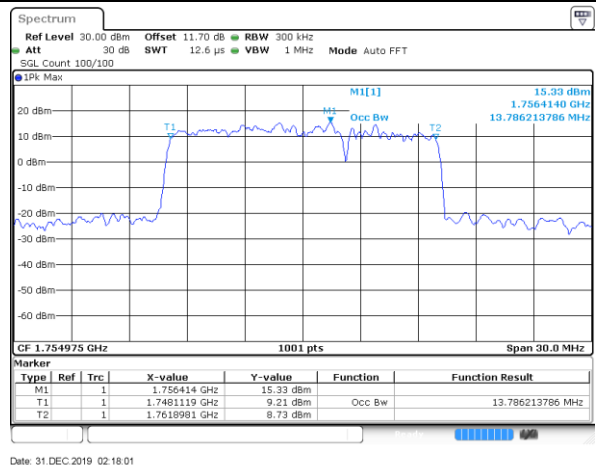
Lowest Channel / 10MHz+5MHz



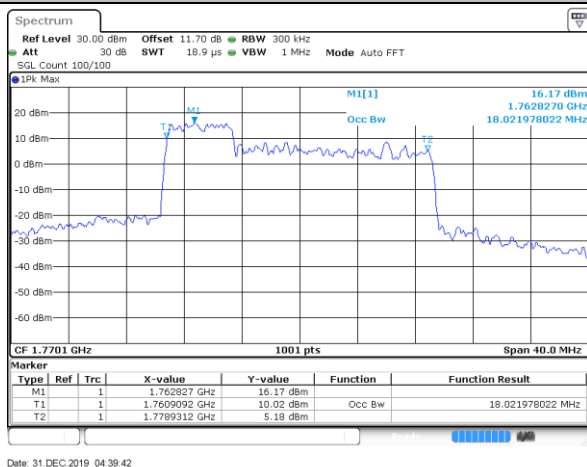
Middle Channel / 5MHz+15MHz



Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

