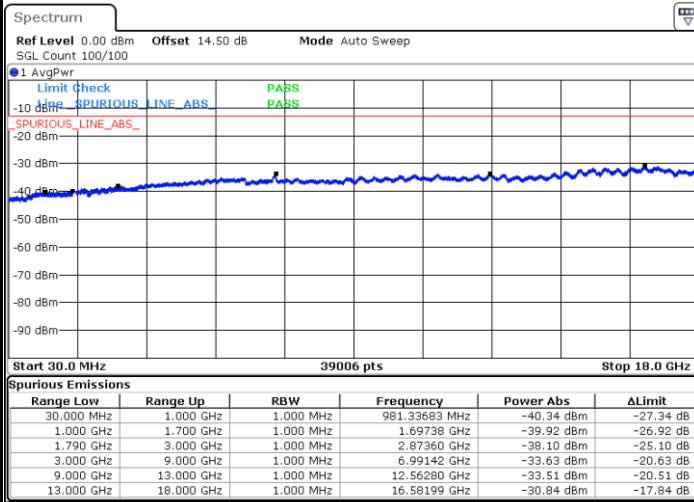




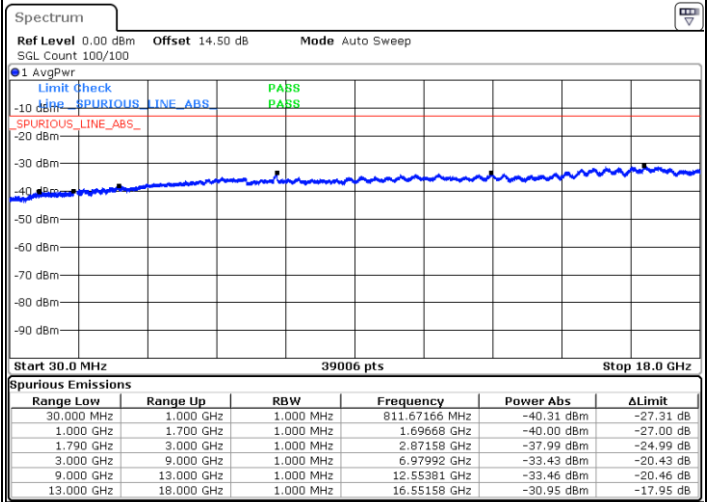
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



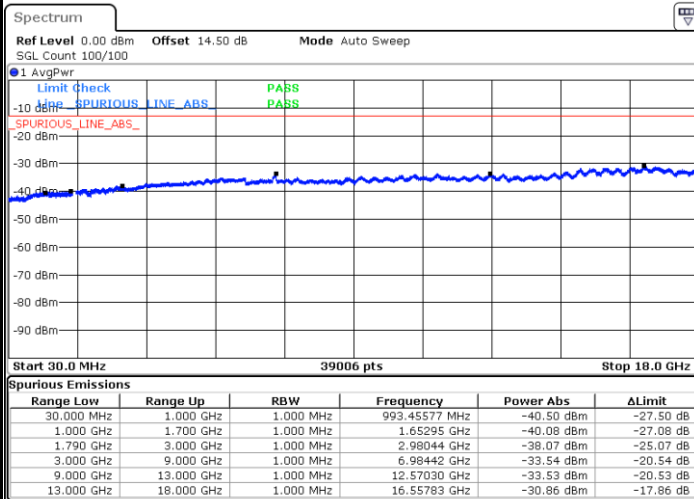
Date: 2.DEC.2019 16:34:42

Middle Channel / 64QAM



Date: 2.DEC.2019 15:47:54

Highest Channel / 64QAM

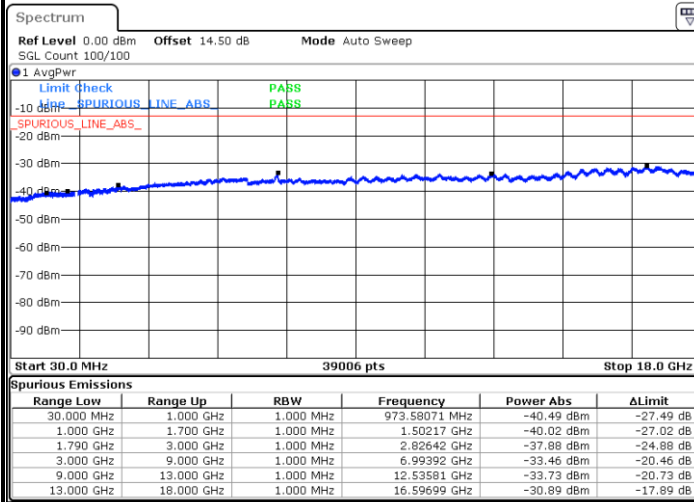


Date: 2.DEC.2019 15:56:14



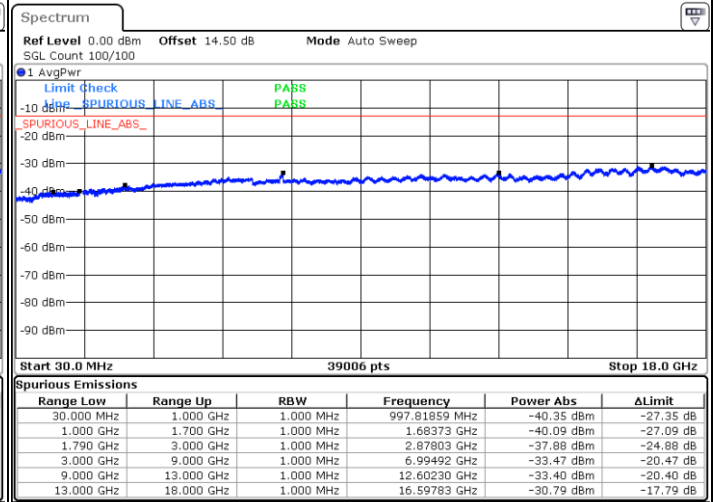
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



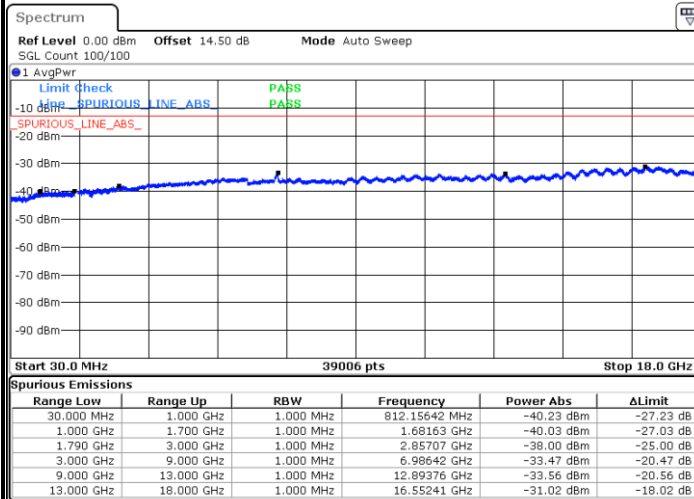
Date: 2.DEC.2019 16:43:47

Middle Channel / 64QAM



Date: 2.DEC.2019 16:09:46

Highest Channel / 64QAM

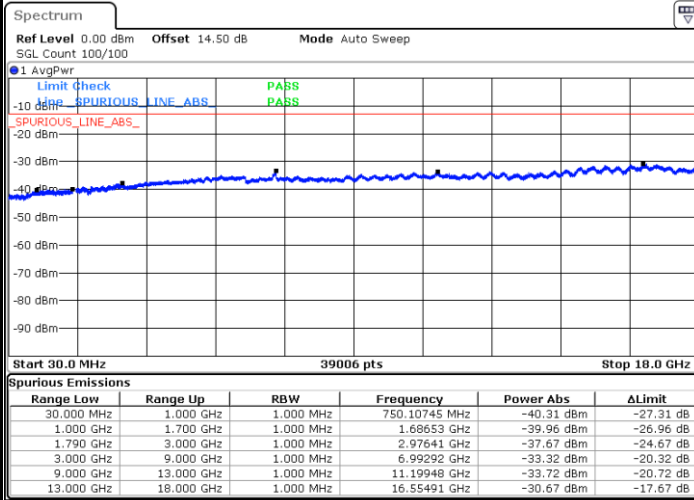


Date: 2.DEC.2019 16:15:52



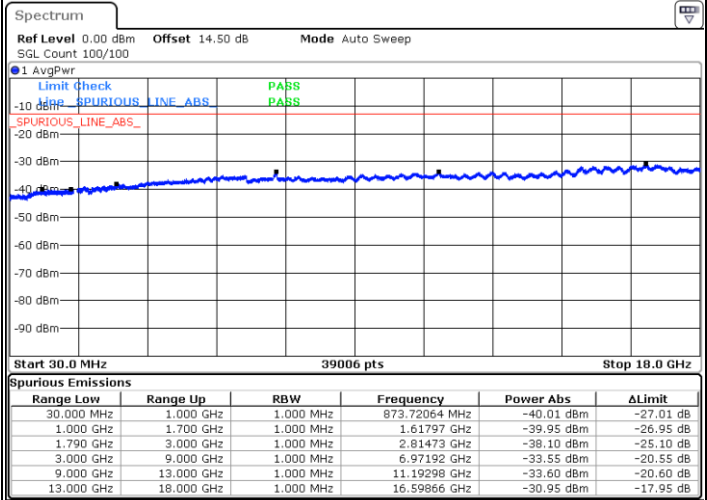
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



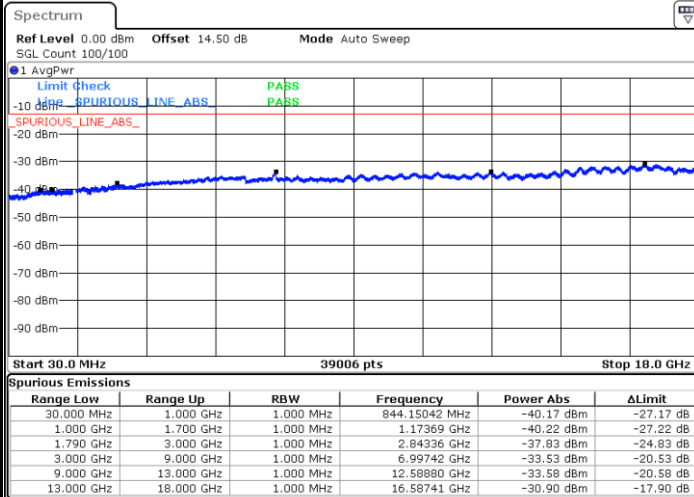
Date: 2.DEC.2019 16:54:31

Middle Channel / 64QAM



Date: 2.DEC.2019 16:49:09

Highest Channel / 64QAM

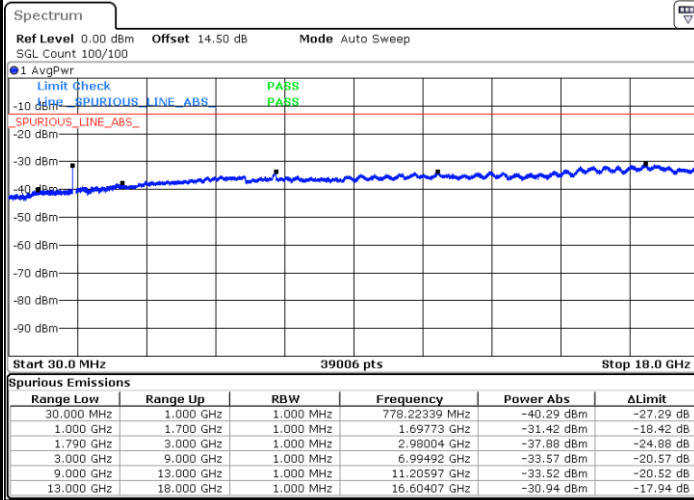


Date: 2.DEC.2019 17:02:39



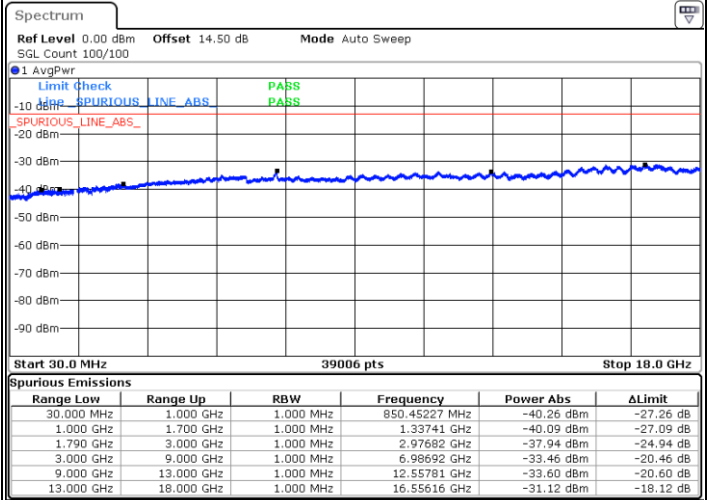
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



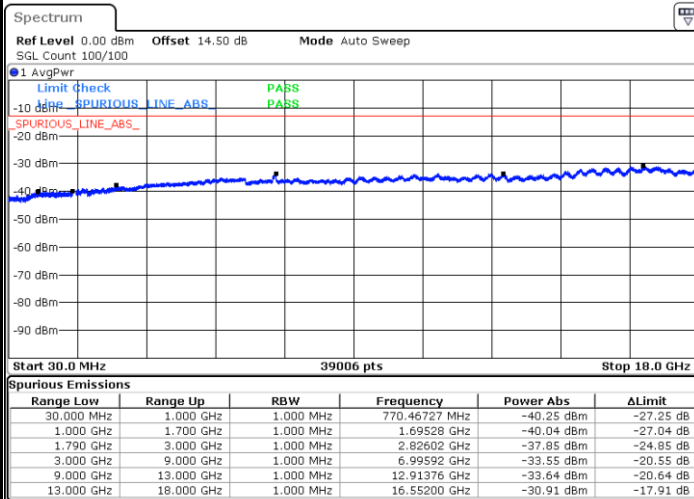
Date: 2.DEC.2019 18:10:29

Middle Channel / 64QAM



Date: 2.DEC.2019 17:09:47

Highest Channel / 64QAM

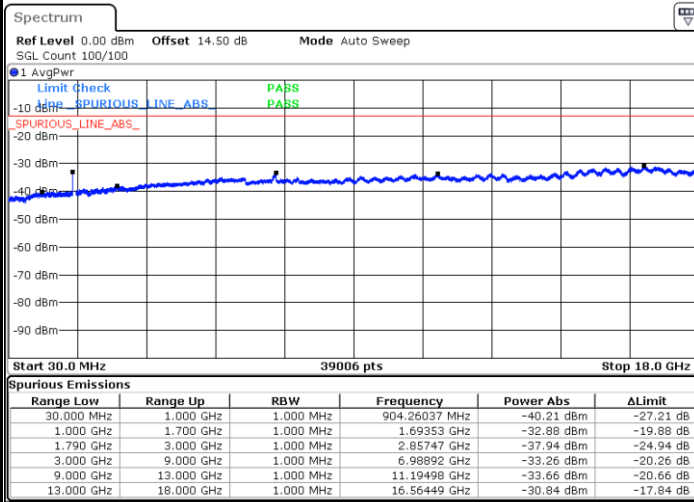


Date: 2.DEC.2019 17:18:53



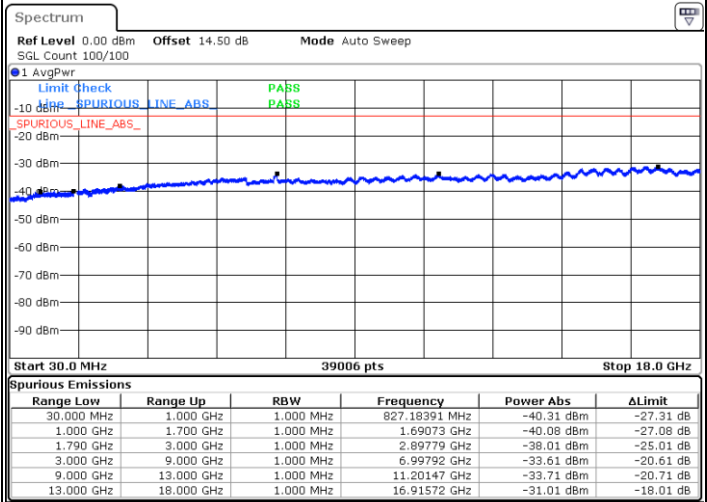
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



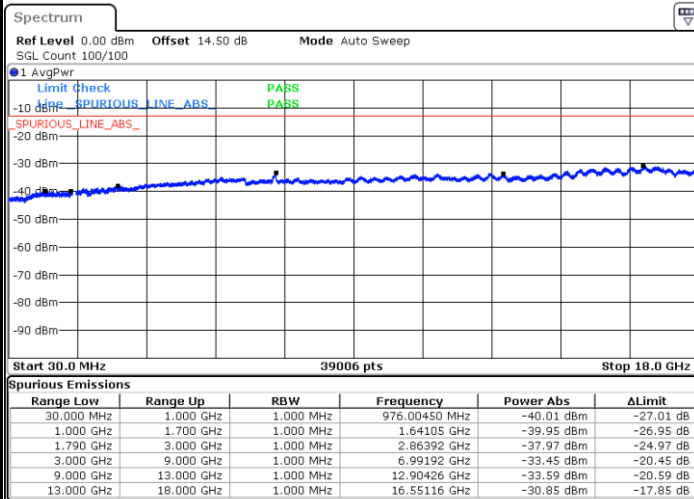
Date: 2.DEC.2019 17:58:09

Middle Channel / 64QAM



Date: 2.DEC.2019 17:24:37

Highest Channel / 64QAM



Date: 2.DEC.2019 17:31:28

**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	0.0016	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

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	24.68	25.18	29.79	25.28	30.57
Middle CH	24.83	25.08	29.97	25.23	30.51
Highest CH	24.83	25.13	29.97	25.23	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.98	30.39	35.04	39.72
Middle CH	34.76	25.13	29.97	35.04	40.04
Highest CH	34.69	24.93	30.09	34.97	39.80

Mode	LTE Band 66C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.78	25.23	29.97	25.18	30.51
Middle CH	24.78	25.08	29.73	25.33	30.57
Highest CH	24.63	25.13	29.91	25.38	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	25.13	30.21	34.90	39.96
Middle CH	34.76	25.03	30.21	34.69	39.80
Highest CH	34.83	24.93	30.03	34.76	39.80

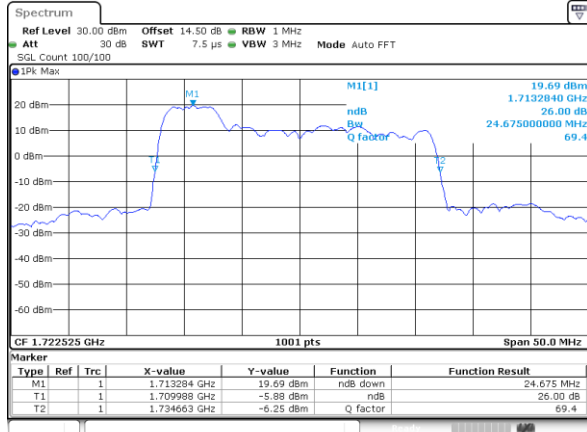
Mode	LTE Band 66C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.08	29.91	25.38	30.51
Middle CH	24.73	25.18	29.61	25.13	30.45
Highest CH	24.68	25.18	29.91	25.23	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	25.03	30.09	34.90	39.72
Middle CH	34.83	24.98	30.03	35.11	40.04
Highest CH	34.90	25.38	29.97	34.97	39.72



LTE Band 66C

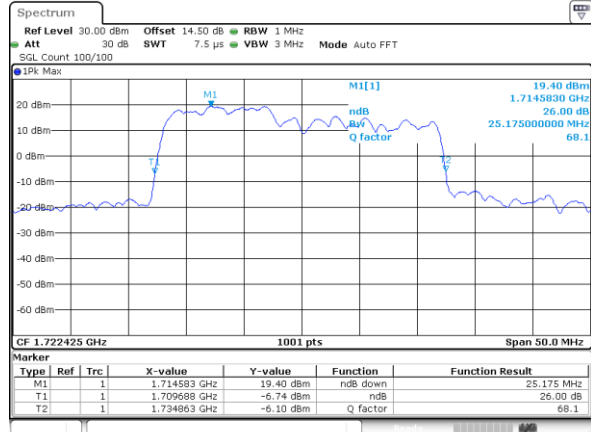
QPSK

Lowest Channel / 5MHz+20MHz



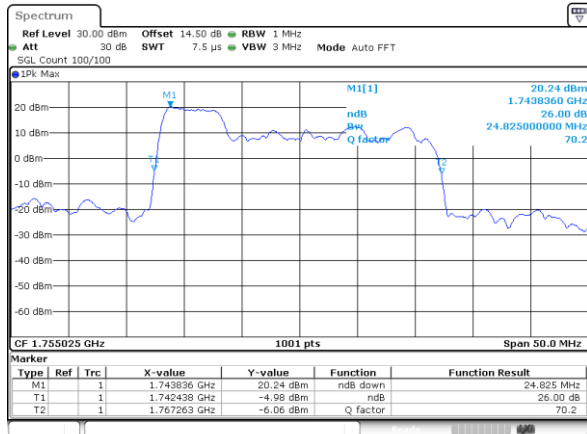
Date: 17.JAN.2020 11:44:16

Lowest Channel / 10MHz+15MHz



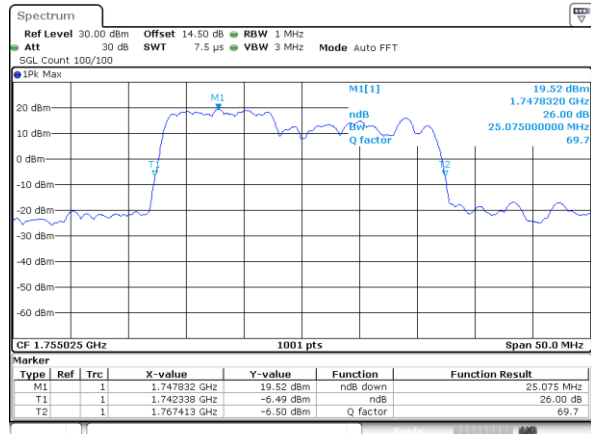
Date: 15.JAN.2020 21:10:40

Middle Channel / 5MHz+20MHz



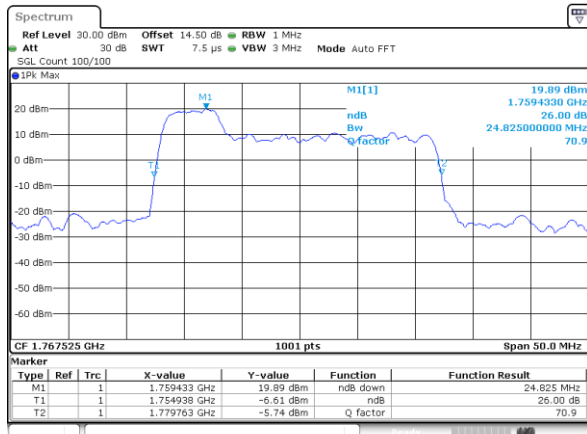
Date: 17.JAN.2020 14:36:35

Middle Channel / 10MHz+15MHz



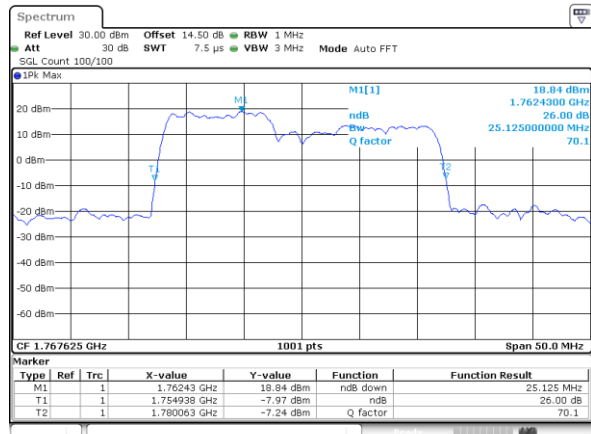
Date: 15.JAN.2020 21:34:35

Highest Channel / 5MHz+20MHz



Date: 17.JAN.2020 15:44:47

Highest Channel / 10MHz+15MHz



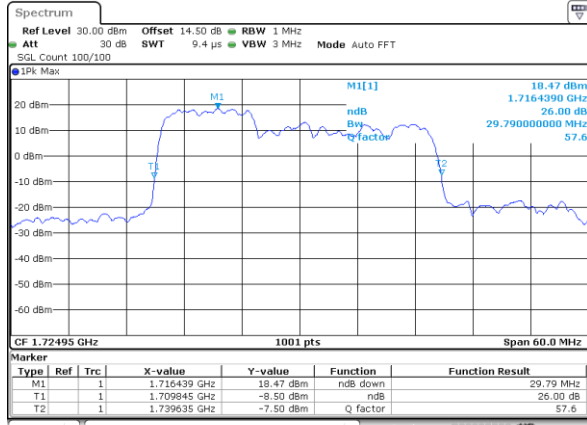
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LTE Band 66C

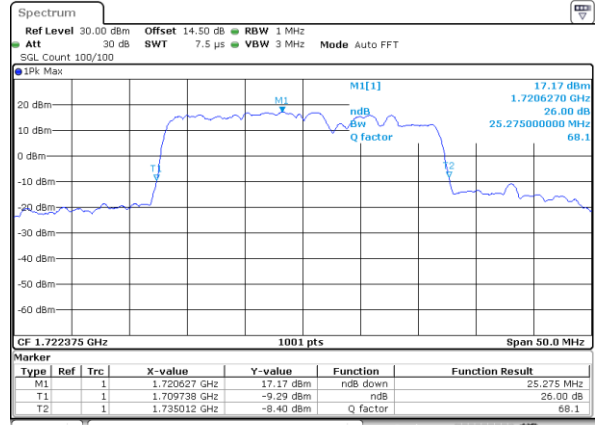
QPSK

Lowest Channel / 10MHz+20MHz



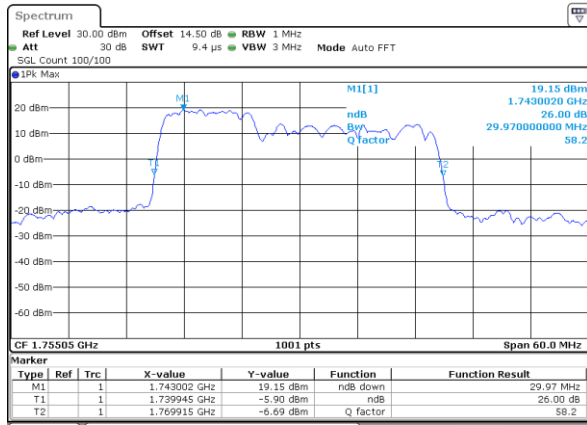
Date: 15.JAN.2020 23:31:01

Lowest Channel / 15MHz+10MHz



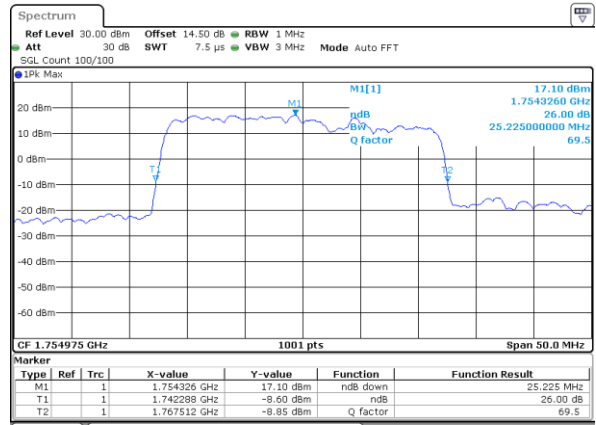
Date: 15.JAN.2020 22:12:22

Middle Channel / 10MHz+20MHz



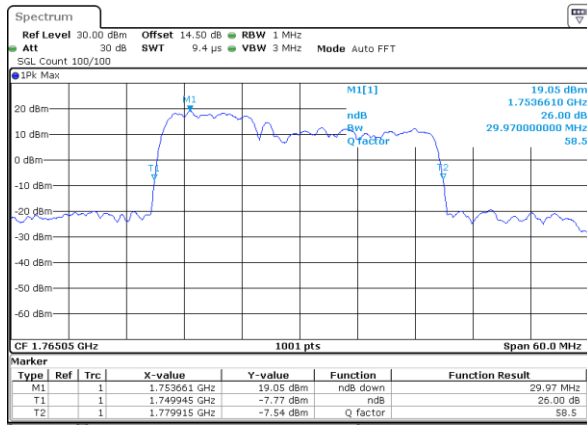
Date: 16.JAN.2020 00:59:17

Middle Channel / 15MHz+10MHz



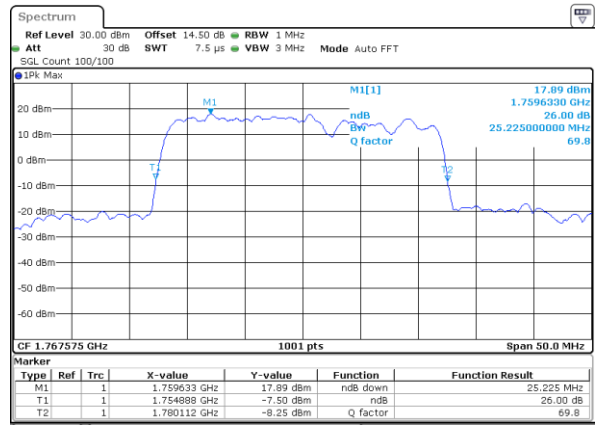
Date: 15.JAN.2020 23:07:03

Highest Channel / 10MHz+20MHz



Date: 15.JAN.2020 23:59:37

Highest Channel / 15MHz+10MHz

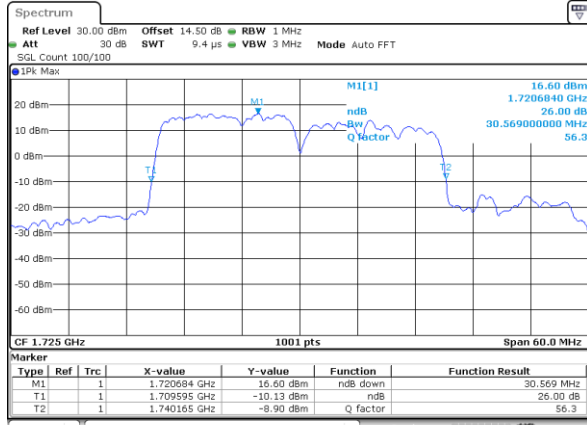


Date: 15.JAN.2020 23:09:29

LTE Band 66C

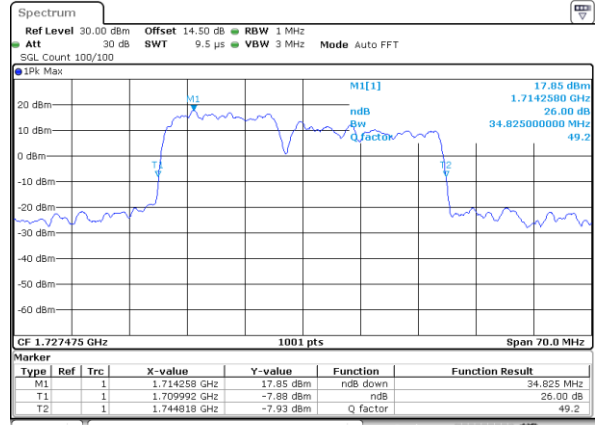
QPSK

Lowest Channel / 15MHz+15MHz



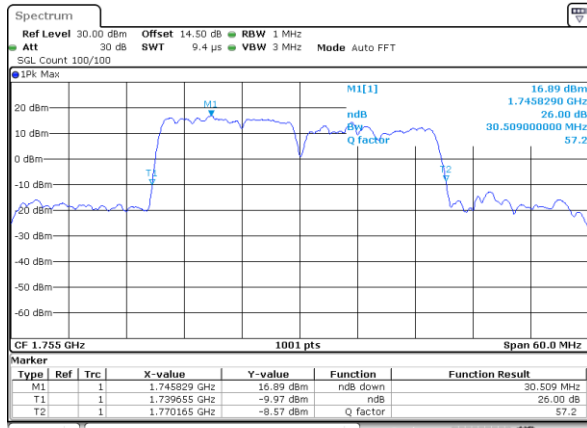
Date: 16.JAN.2020 09:07:37

Lowest Channel / 15MHz+20MHz



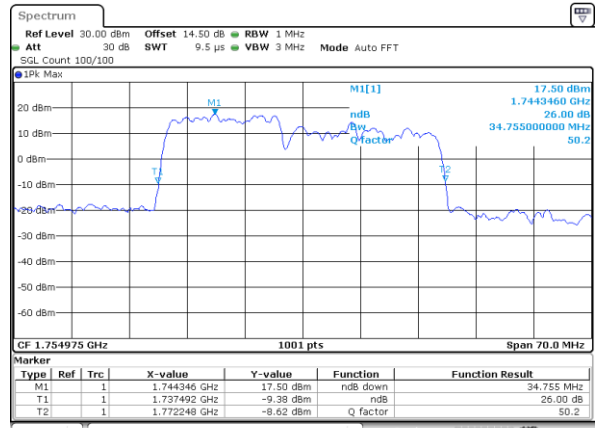
Date: 16.JAN.2020 11:35:01

Middle Channel / 15MHz+15MHz



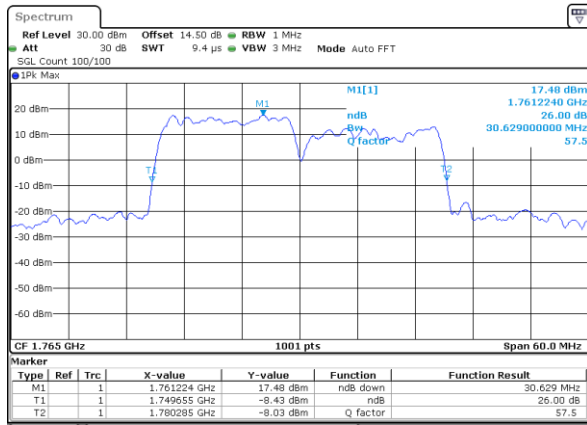
Date: 16.JAN.2020 10:24:15

Middle Channel / 15MHz+20MHz



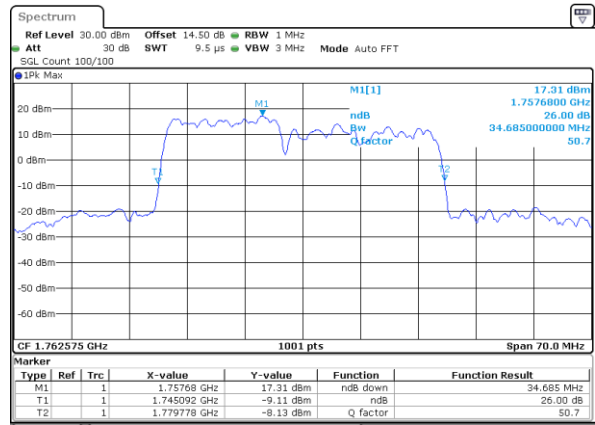
Date: 16.JAN.2020 14:32:01

Highest Channel / 15MHz+15MHz



Date: 16.JAN.2020 10:45:37

Highest Channel / 15MHz+20MHz



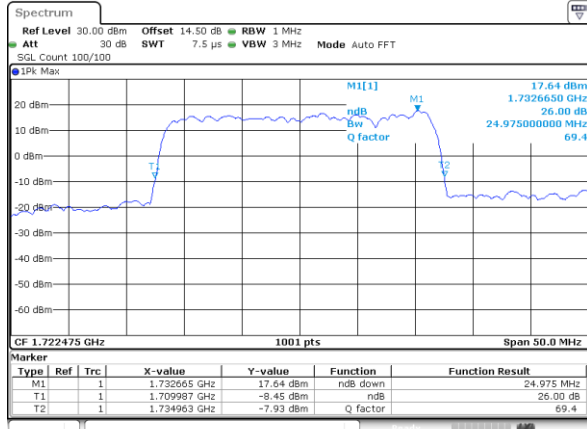
Date: 16.JAN.2020 15:01:23



LTE Band 66C

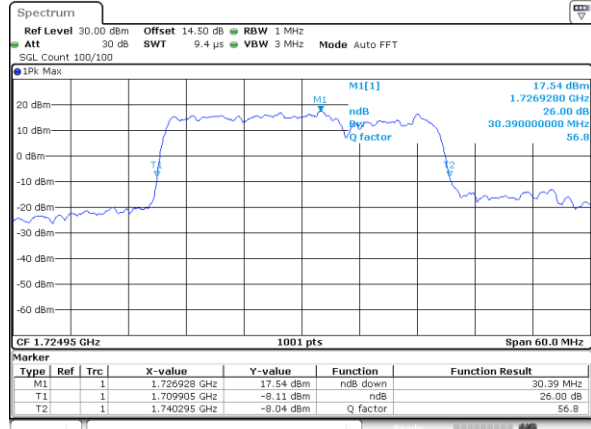
QPSK

Lowest Channel / 20MHz+5MHz



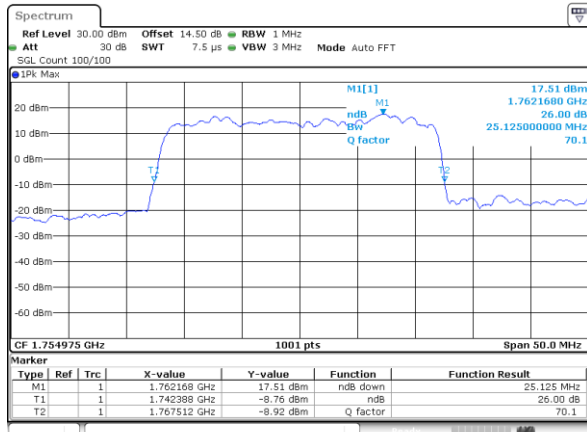
Date: 16.JAN.2020 17:34:40

Lowest Channel / 20MHz+10MHz



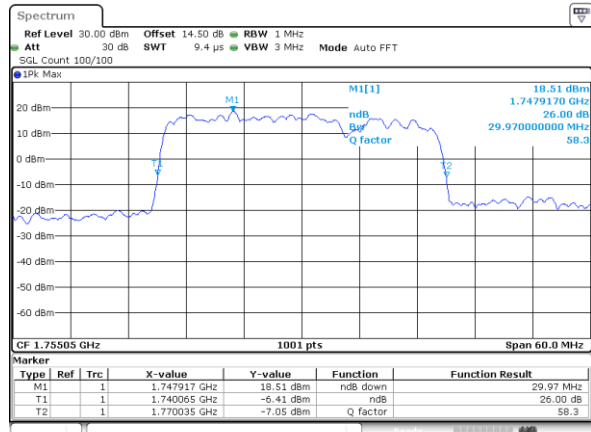
Date: 16.JAN.2020 01:13:23

Middle Channel / 20MHz+5MHz



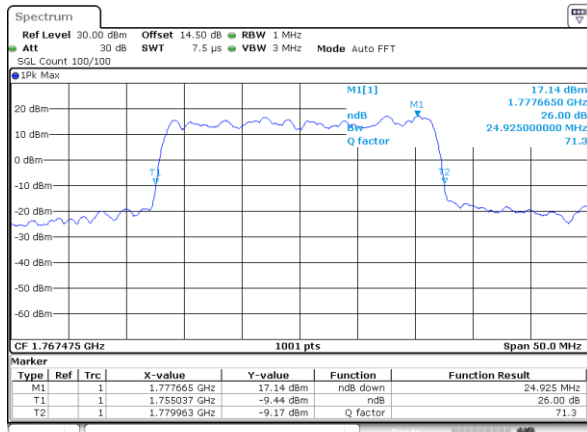
Date: 16.JAN.2020 17:50:52

Middle Channel / 20MHz+10MHz



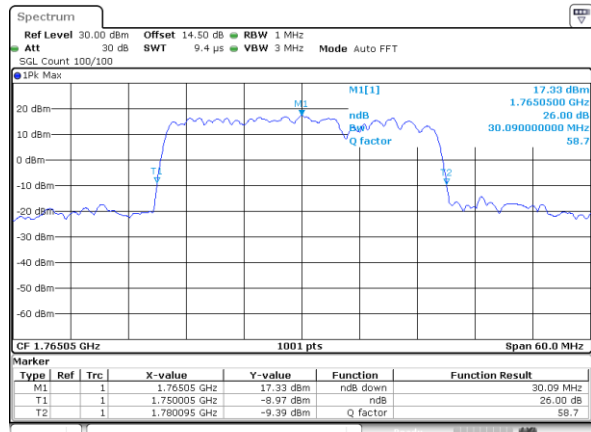
Date: 16.JAN.2020 01:39:04

Highest Channel / 20MHz+5MHz



Date: 16.JAN.2020 19:06:06

Highest Channel / 20MHz+10MHz



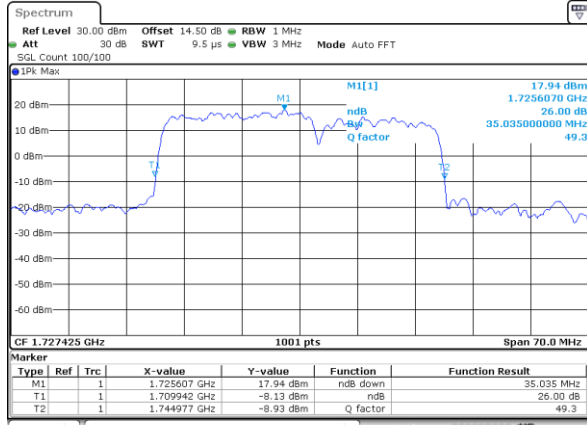
Date: 16.JAN.2020 01:43:30



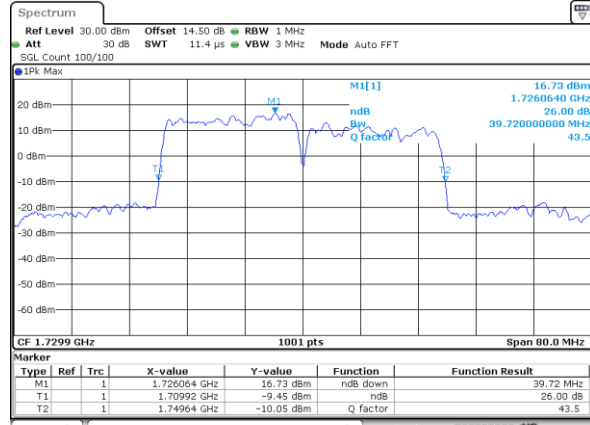
LTE Band 66C

QPSK

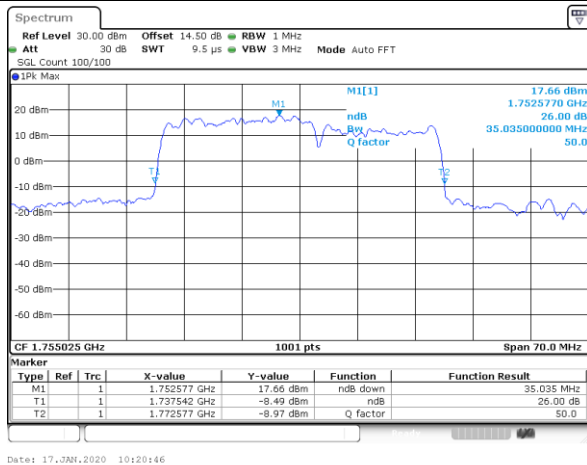
Lowest Channel / 20MHz+15MHz



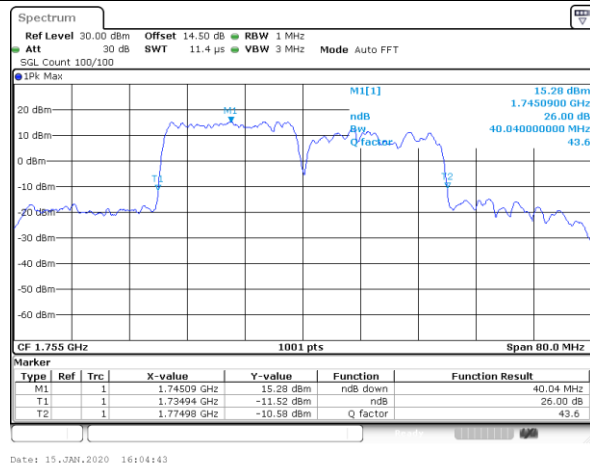
Lowest Channel / 20MHz+20MHz



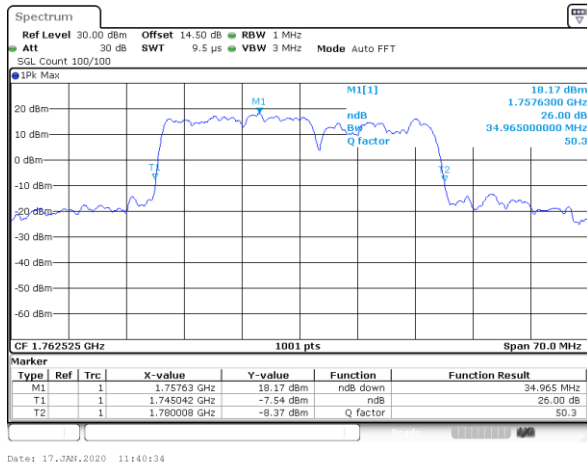
Middle Channel / 20MHz+15MHz



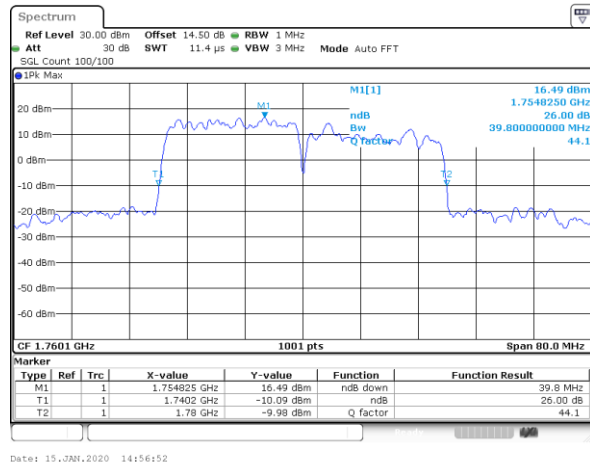
Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

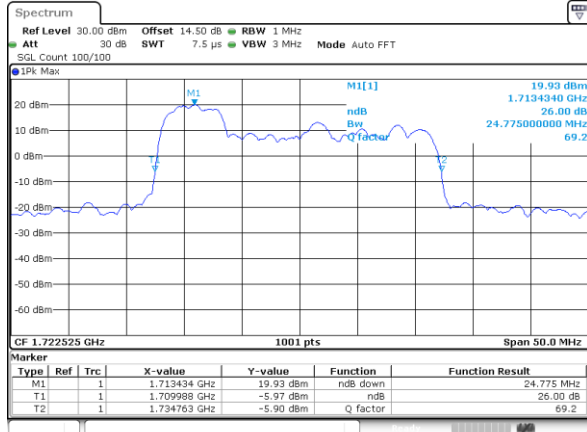




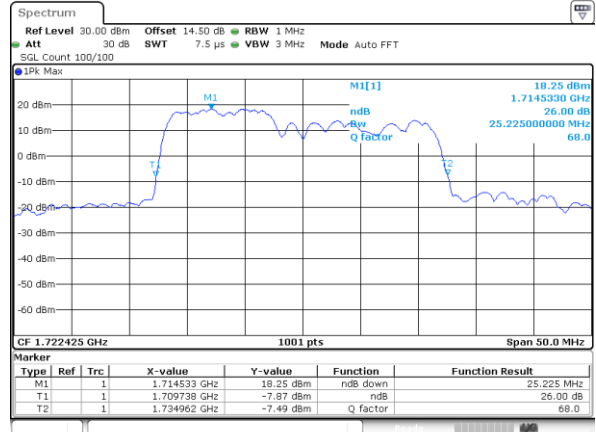
LTE Band 66C

16QAM

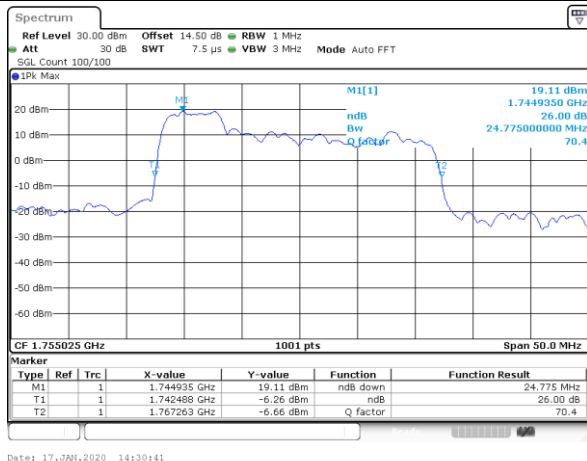
Lowest Channel / 5MHz+20MHz



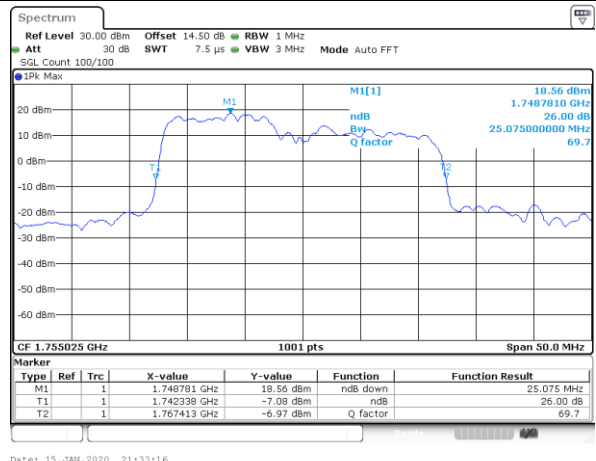
Lowest Channel / 10MHz+15MHz



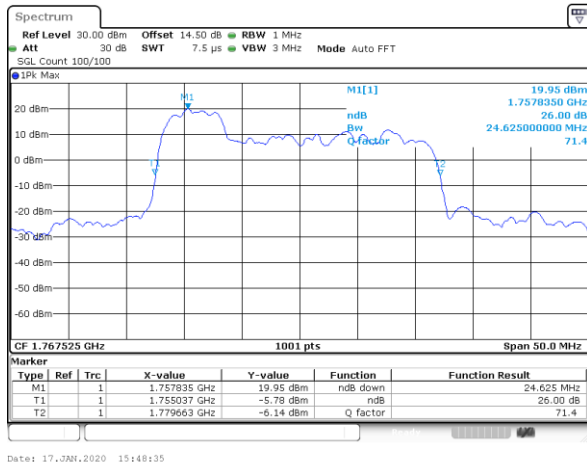
Middle Channel / 5MHz+20MHz



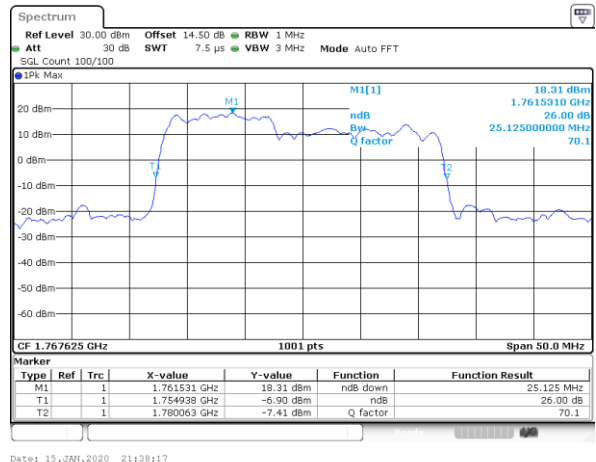
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

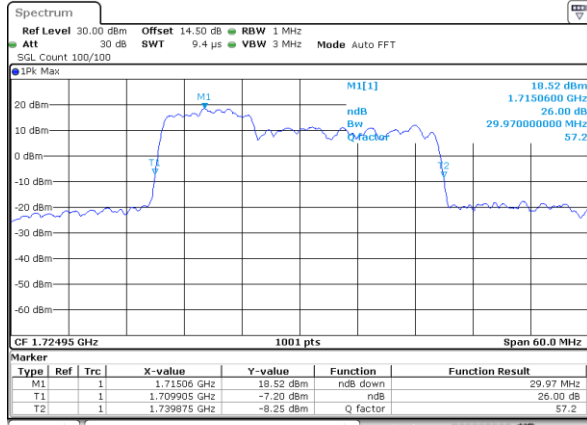




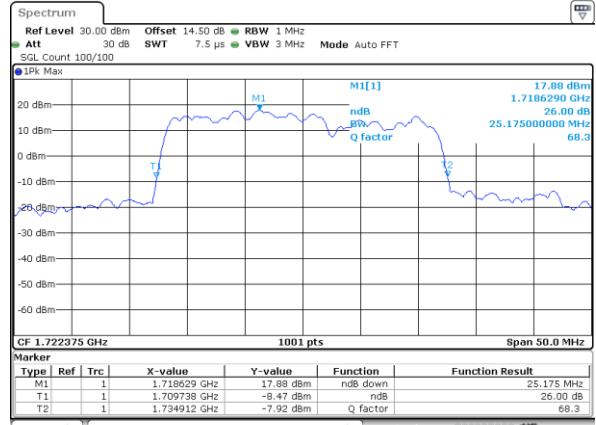
LTE Band 66C

16QAM

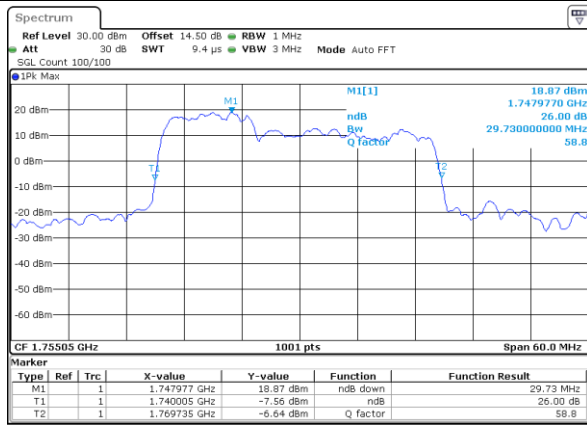
Lowest Channel / 10MHz+20MHz



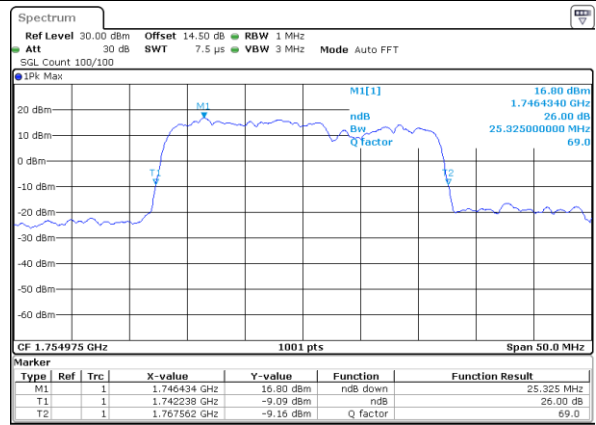
Lowest Channel / 15MHz+10MHz



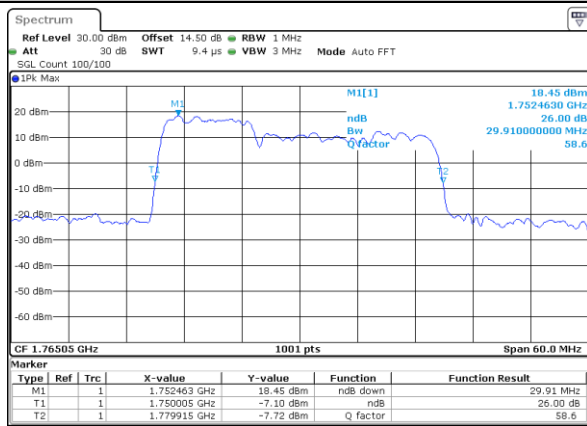
Middle Channel / 10MHz+20MHz



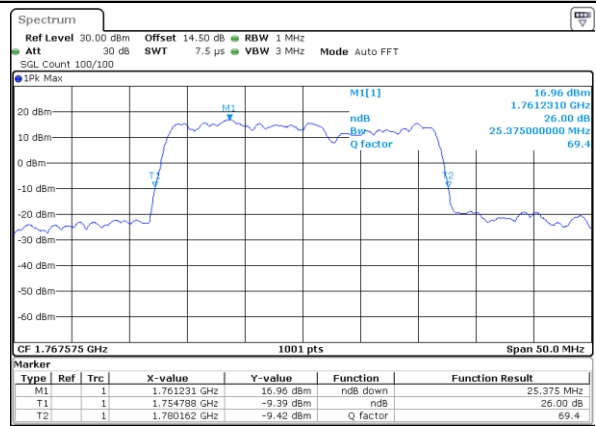
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

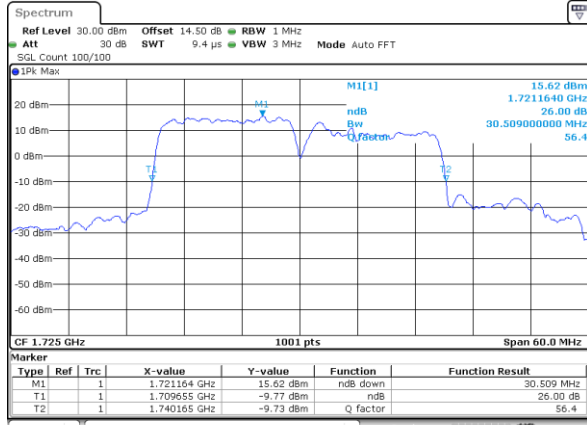




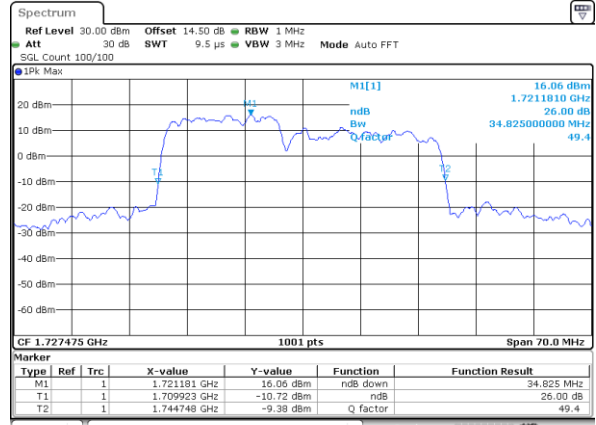
LTE Band 66C

16QAM

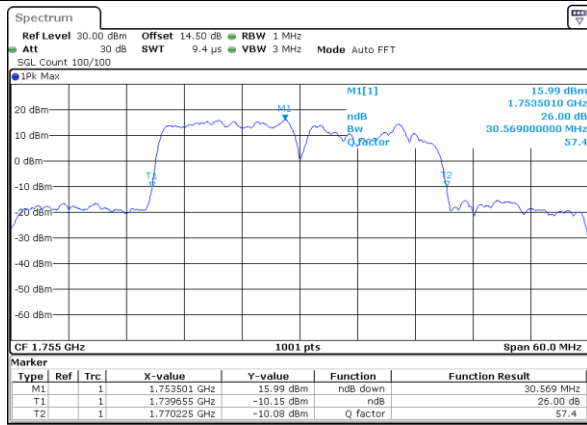
Lowest Channel / 15MHz+15MHz



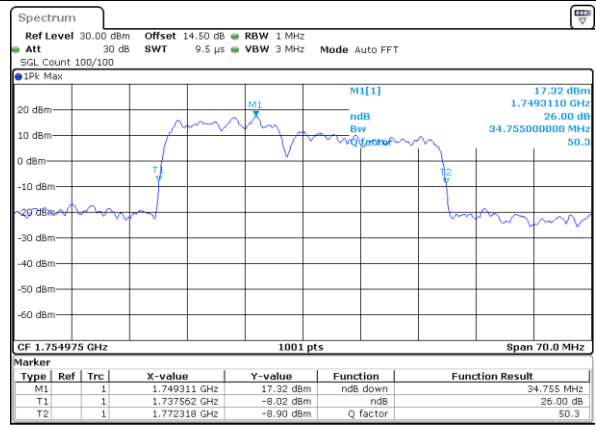
Lowest Channel / 15MHz+20MHz



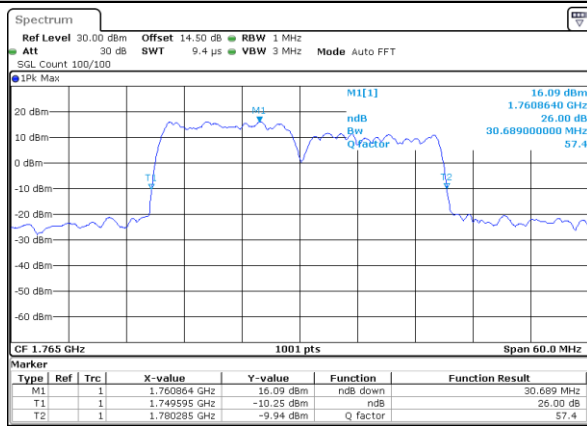
Middle Channel / 15MHz+15MHz



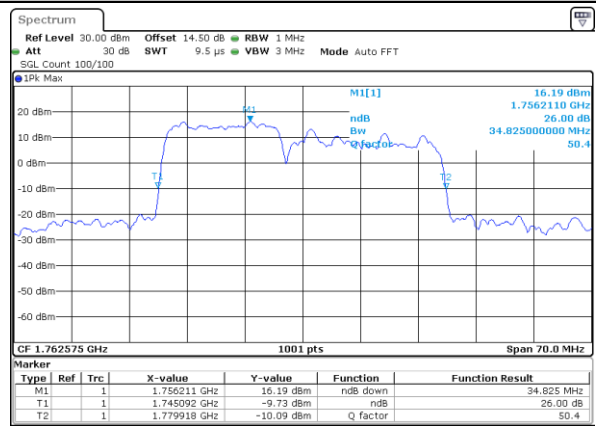
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

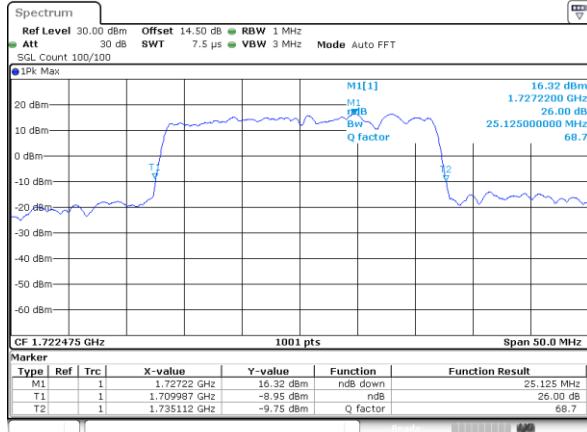




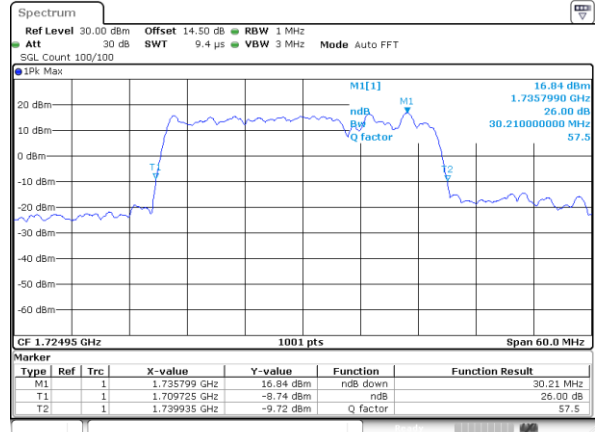
LTE Band 66C

16QAM

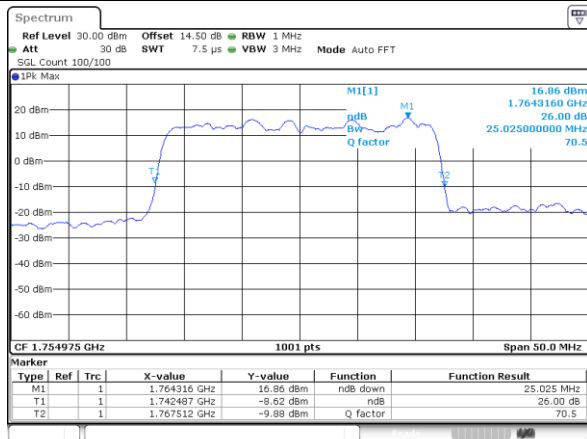
Lowest Channel / 20MHz+5MHz



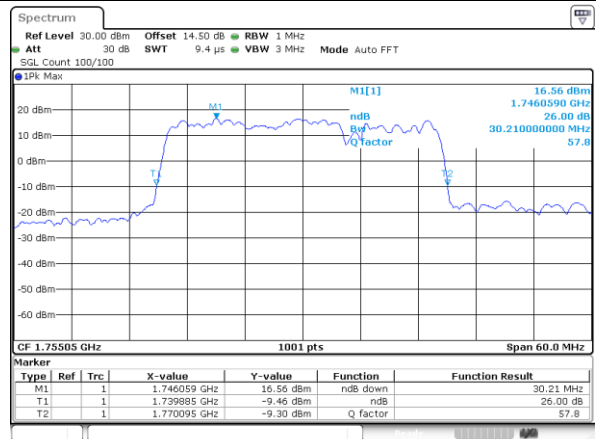
Lowest Channel / 20MHz+10MHz



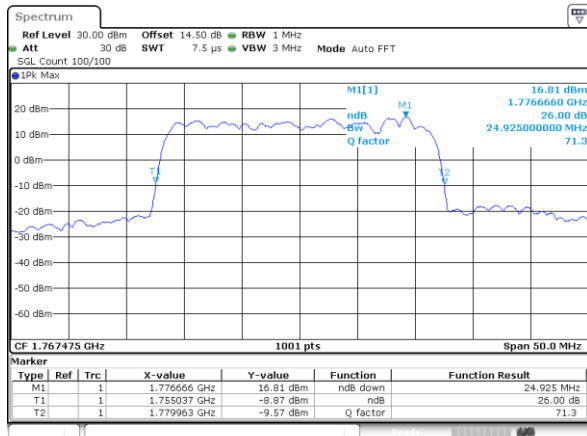
Middle Channel / 20MHz+5MHz



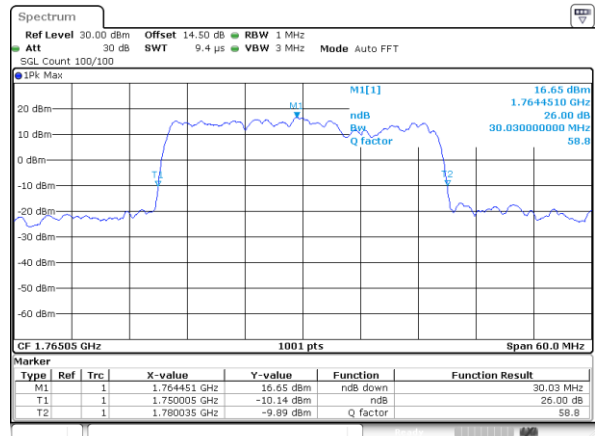
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

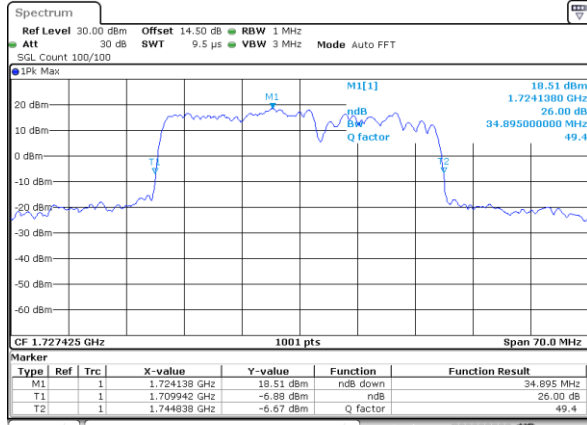




LTE Band 66C

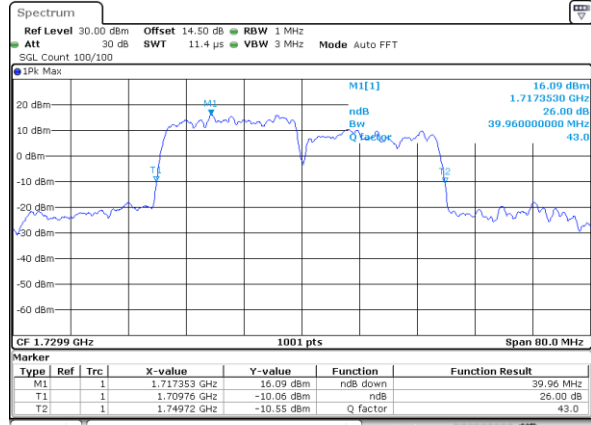
16QAM

Lowest Channel / 20MHz+15MHz



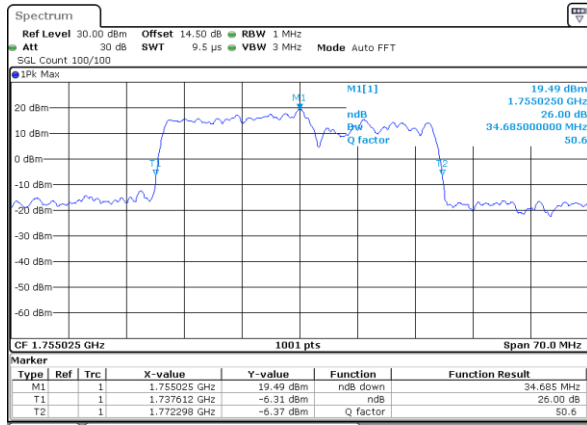
Date: 16.JAN.2020 16:25:09

Lowest Channel / 20MHz+20MHz



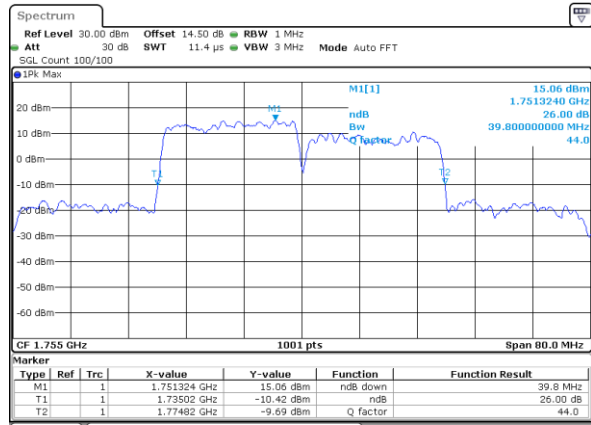
Date: 15.JAN.2020 17:22:55

Middle Channel / 20MHz+15MHz



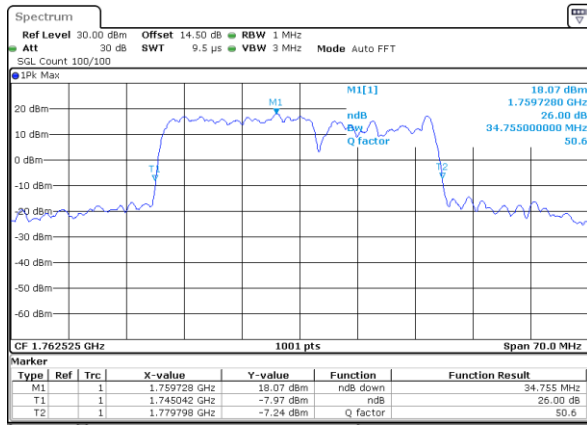
Date: 17.JAN.2020 10:24:12

Middle Channel / 20MHz+20MHz



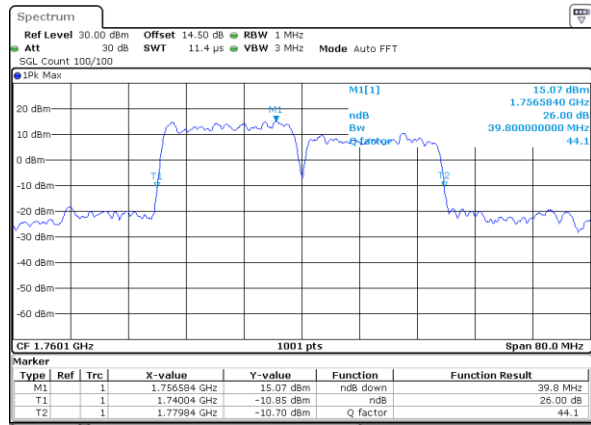
Date: 15.JAN.2020 16:07:23

Highest Channel / 20MHz+15MHz



Date: 17.JAN.2020 11:34:49

Highest Channel / 20MHz+20MHz



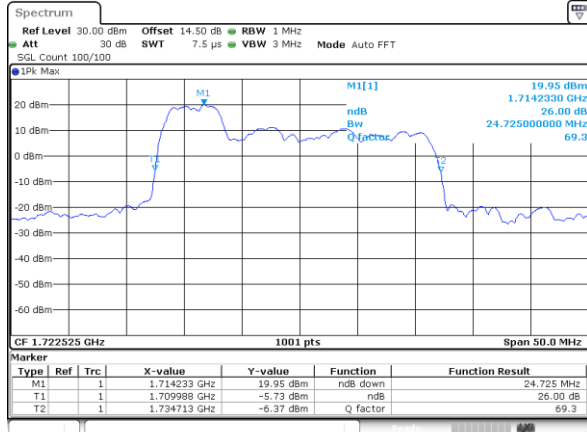
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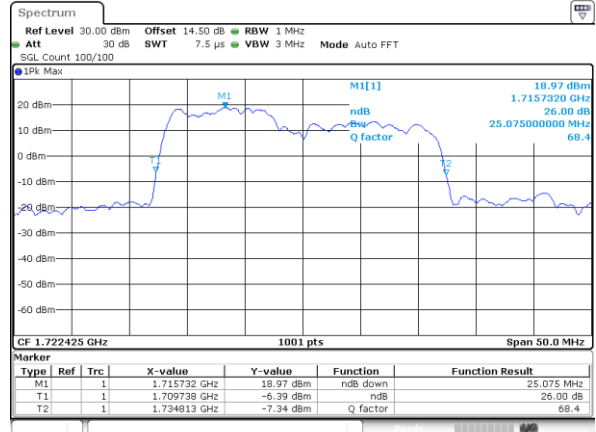
LTE Band 66C

64QAM

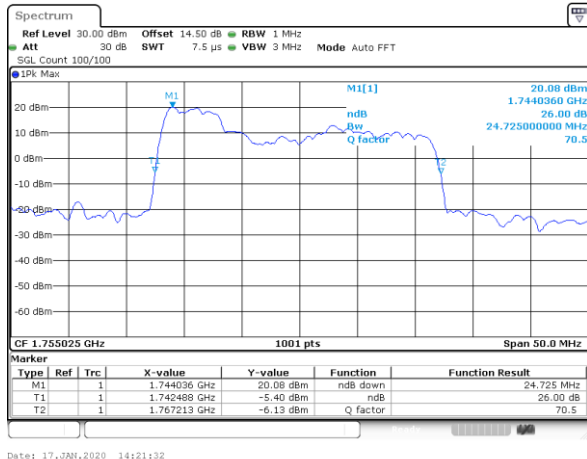
Lowest Channel / 5MHz+20MHz



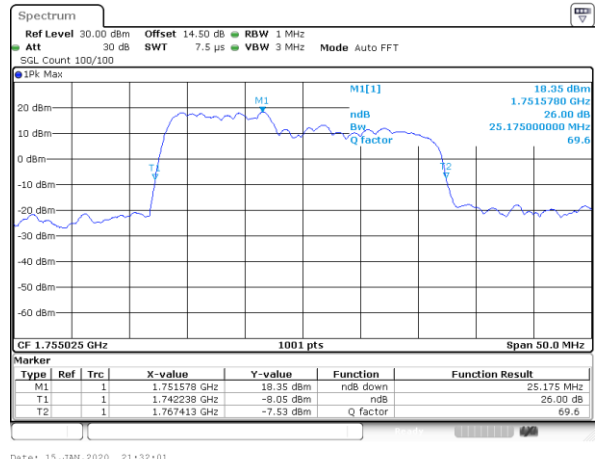
Lowest Channel / 10MHz+15MHz



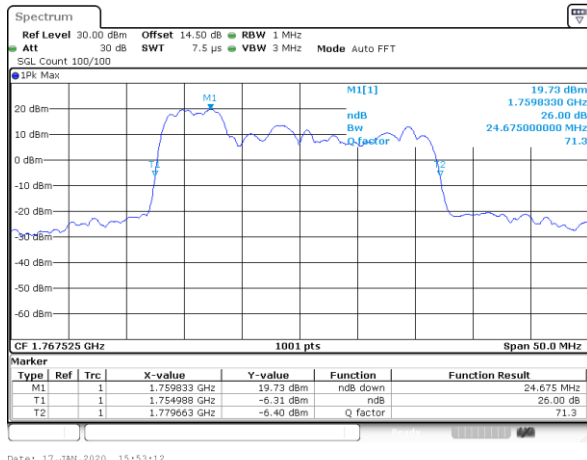
Middle Channel / 5MHz+20MHz



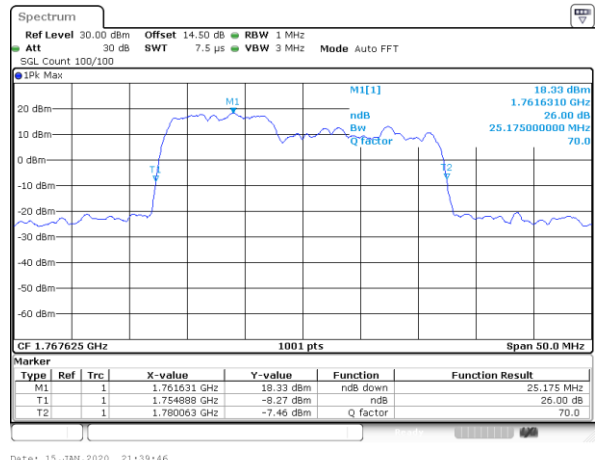
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

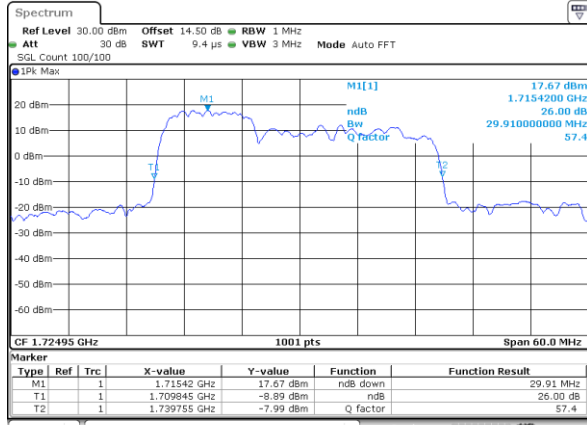




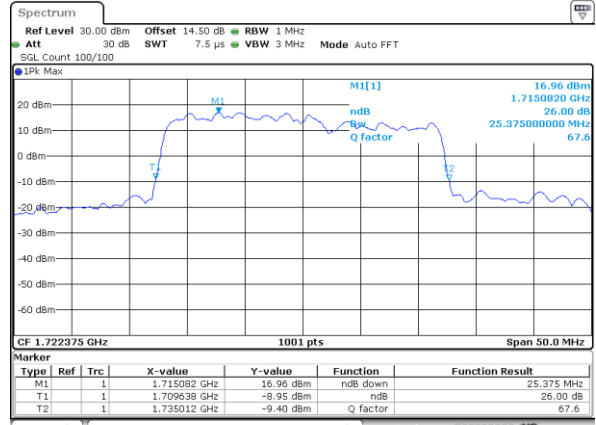
LTE Band 66C

64QAM

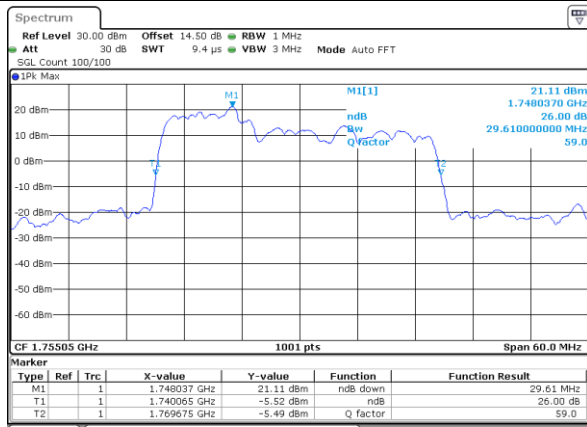
Lowest Channel / 10MHz+20MHz



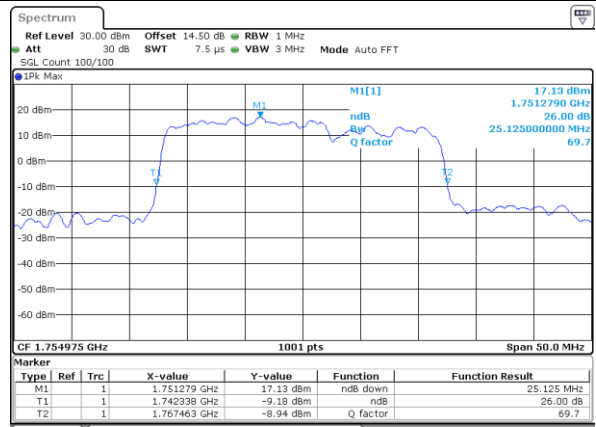
Lowest Channel / 15MHz+10MHz



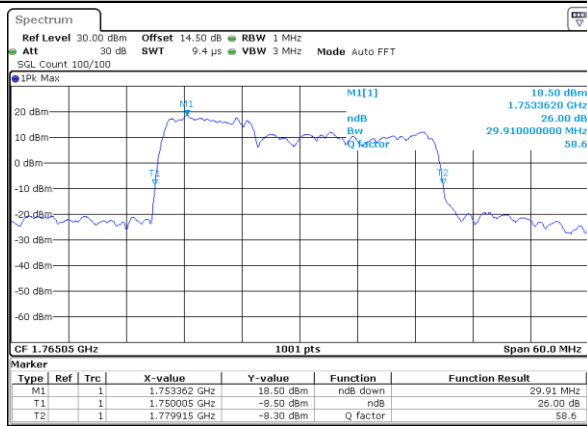
Middle Channel / 10MHz+20MHz



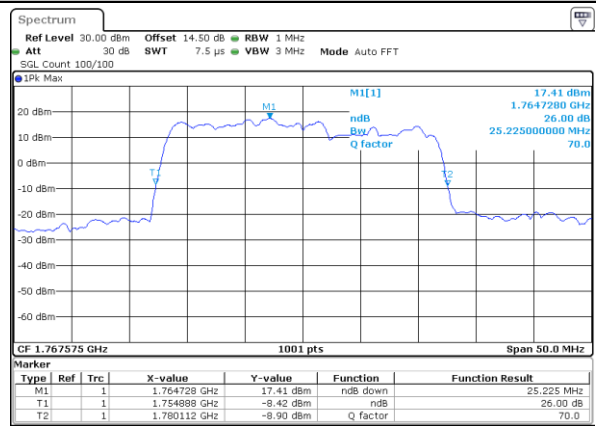
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

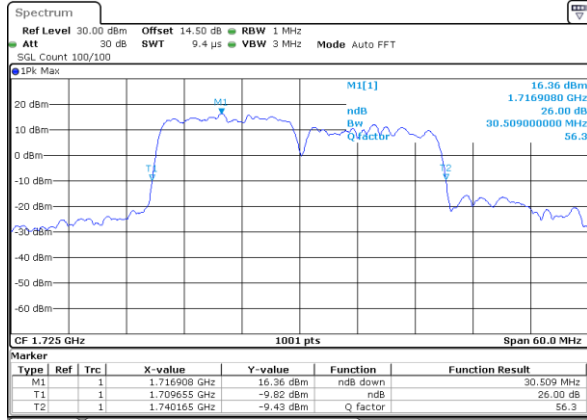




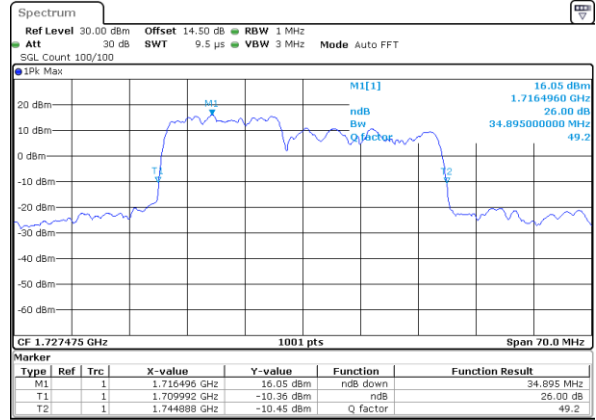
LTE Band 66C

64QAM

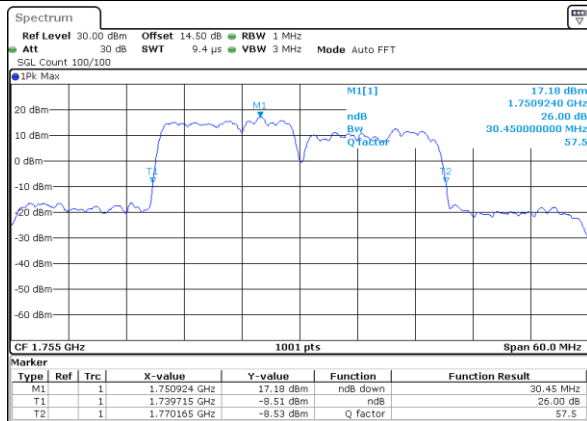
Lowest Channel / 15MHz+15MHz



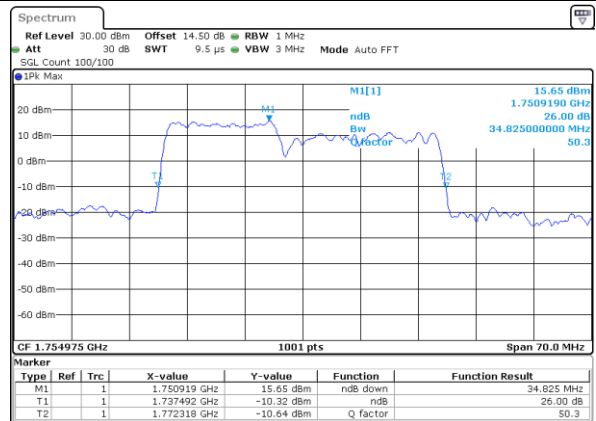
Lowest Channel / 15MHz+20MHz



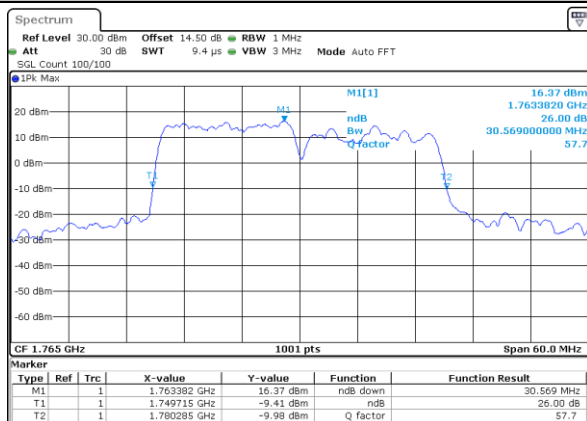
Middle Channel / 15MHz+15MHz



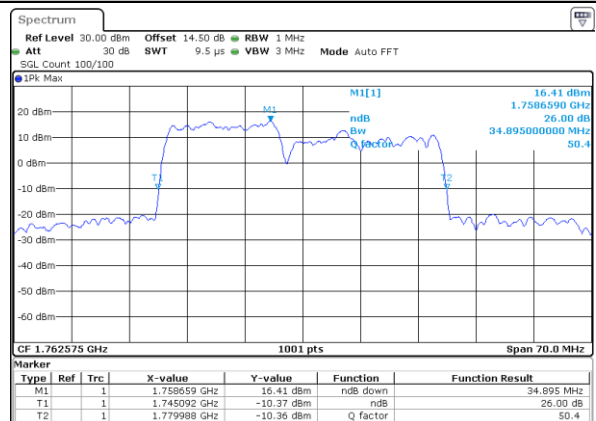
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

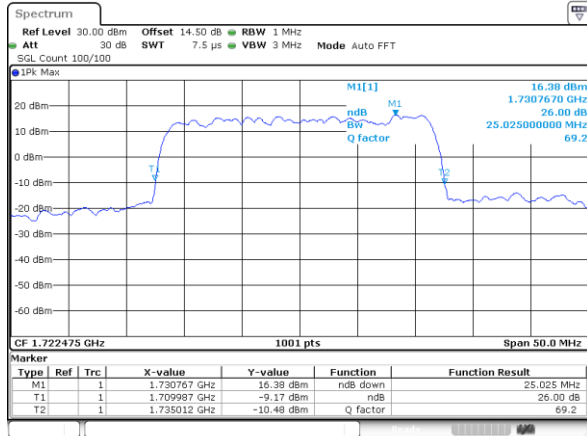




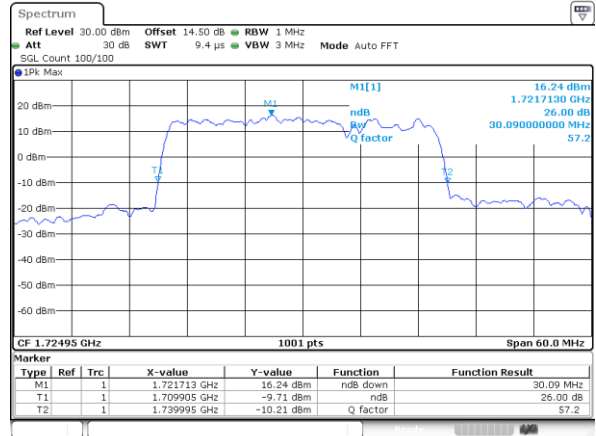
LTE Band 66C

64QAM

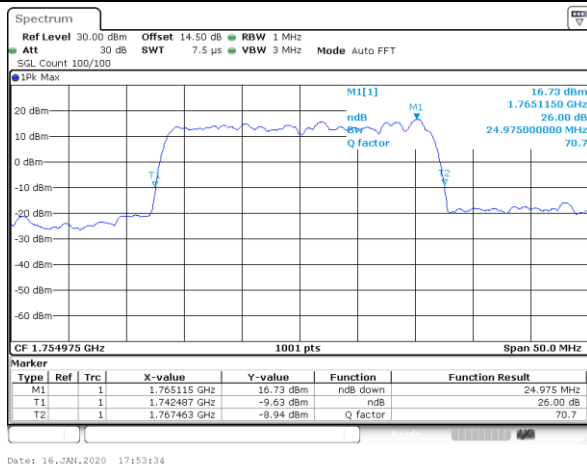
Lowest Channel / 20MHz+5MHz



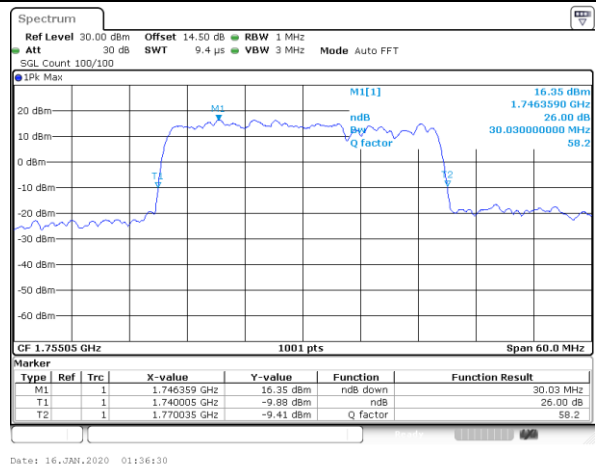
Lowest Channel / 20MHz+10MHz



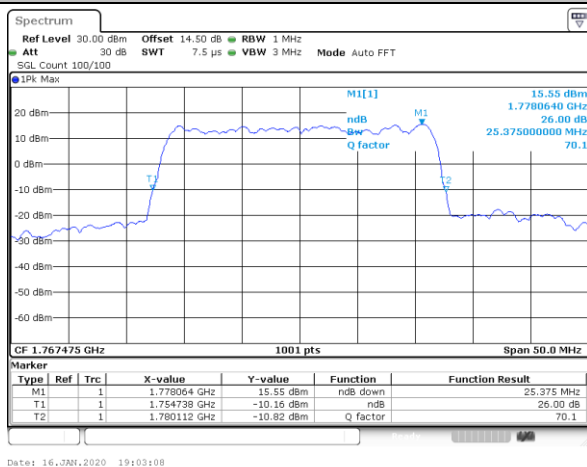
Middle Channel / 20MHz+5MHz



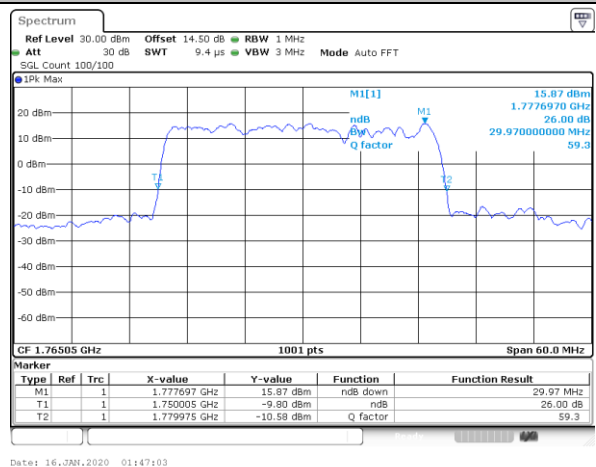
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

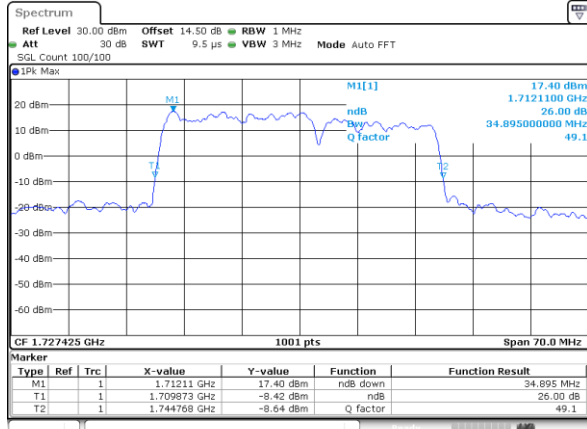




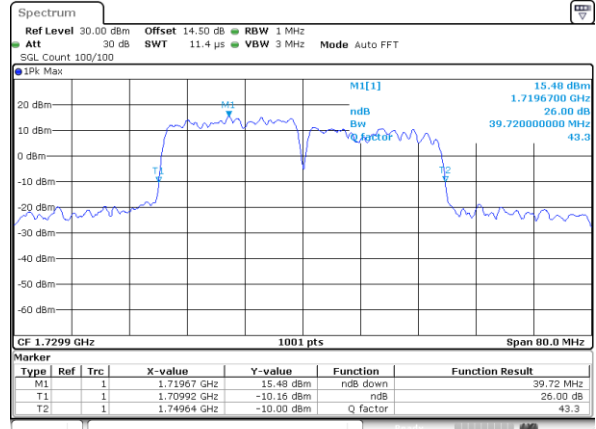
LTE Band 66C

64QAM

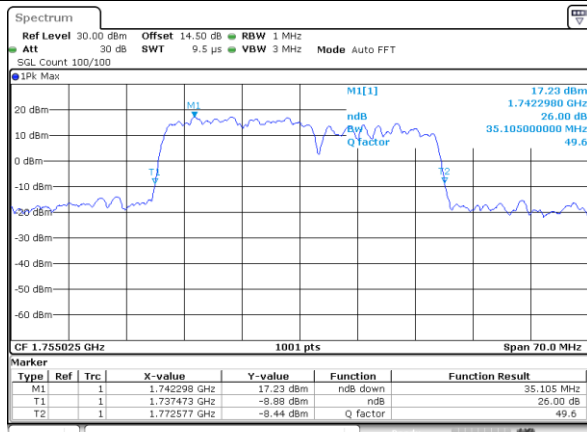
Lowest Channel / 20MHz+15MHz



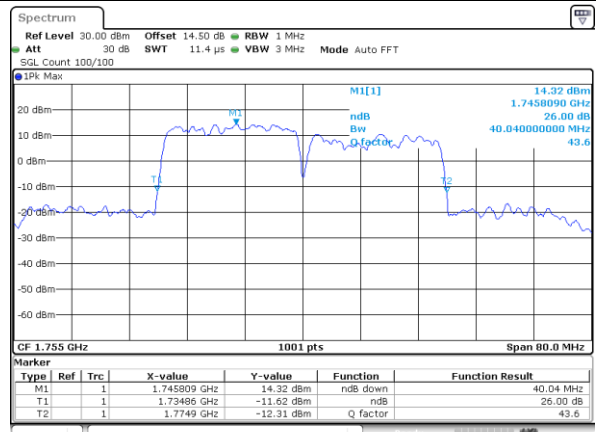
Lowest Channel / 20MHz+20MHz



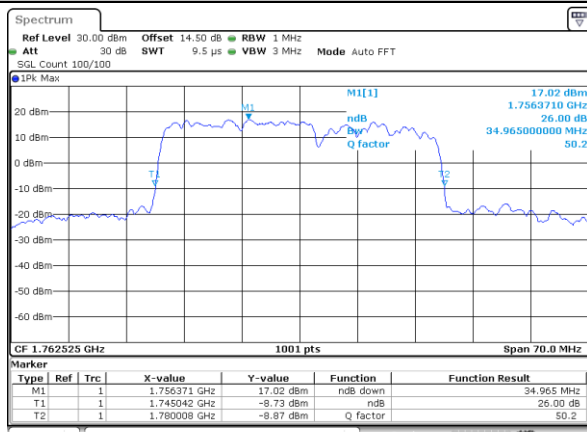
Middle Channel / 20MHz+15MHz



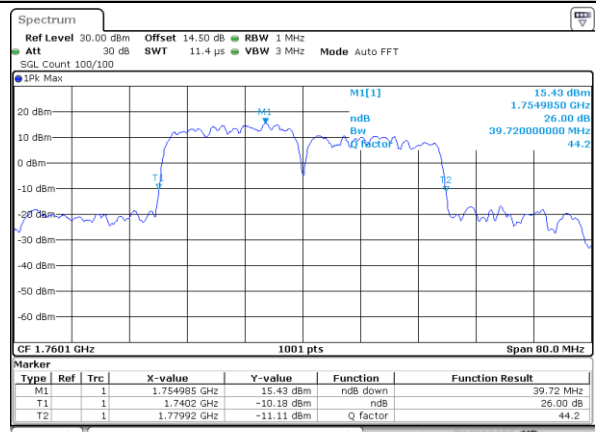
Middle Channel / 20MHz+20MHz



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	23.23	23.38	28.05	23.23	28.41
Middle CH	22.98	23.58	27.93	23.38	28.59
Highest CH	23.13	23.63	27.93	23.18	27.99
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	23.28	27.99	32.59	37.56
Middle CH	32.66	23.08	27.93	32.73	37.80
Highest CH	32.45	23.18	27.99	32.73	37.24

Mode	LTE Band 66C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.08	23.58	27.69	23.18	28.41
Middle CH	22.93	23.28	27.51	23.23	28.47
Highest CH	23.08	23.33	27.57	23.58	28.23
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	23.23	27.81	32.73	37.48
Middle CH	32.45	23.28	27.87	32.66	37.32
Highest CH	33.01	23.18	27.93	32.73	37.24

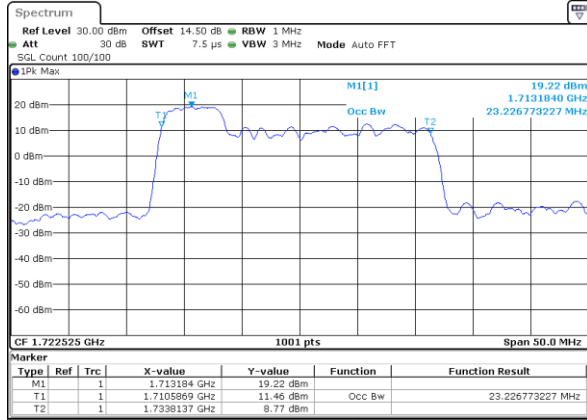
Mode	LTE Band 66C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.03	23.38	27.69	23.43	28.29
Middle CH	23.23	23.13	27.81	23.28	28.17
Highest CH	22.88	23.38	27.99	23.53	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.43	27.93	32.59	37.48
Middle CH	32.66	23.23	27.81	32.73	37.56
Highest CH	32.66	23.33	28.11	32.66	37.72



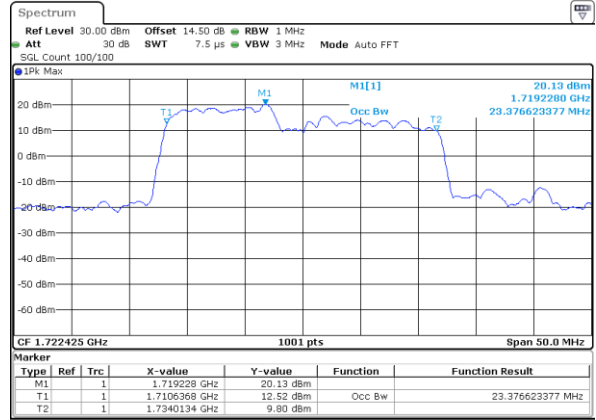
LTE Band 66C

QPSK

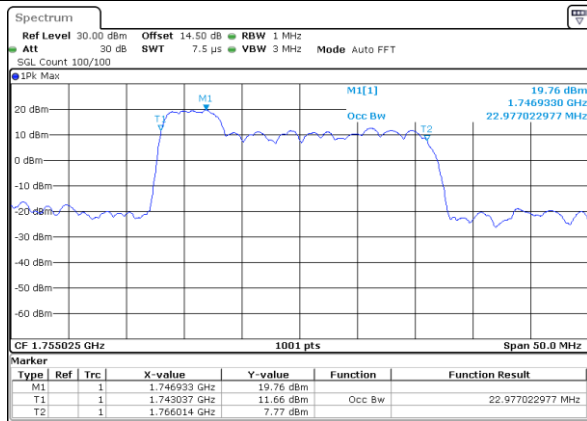
Lowest Channel / 5MHz+20MHz



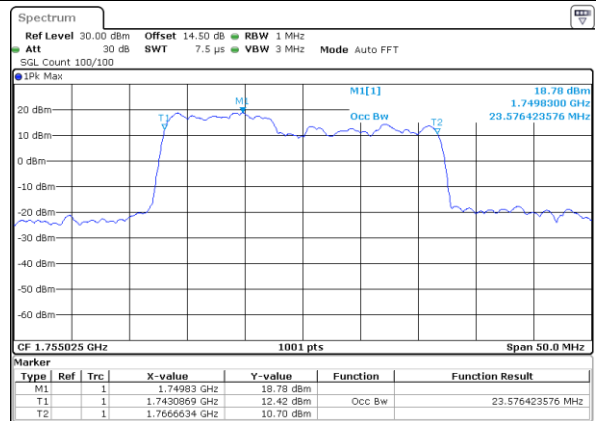
Lowest Channel / 10MHz+15MHz



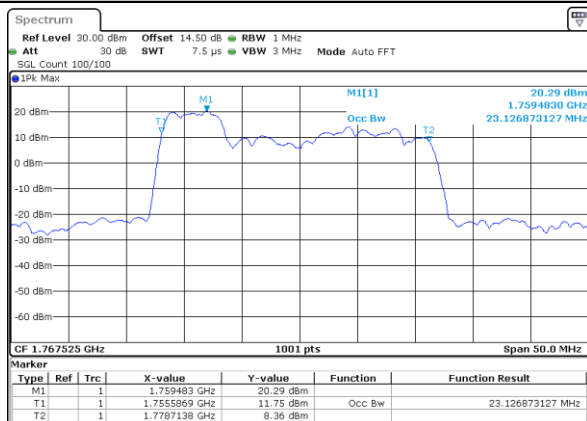
Middle Channel / 5MHz+20MHz



Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

