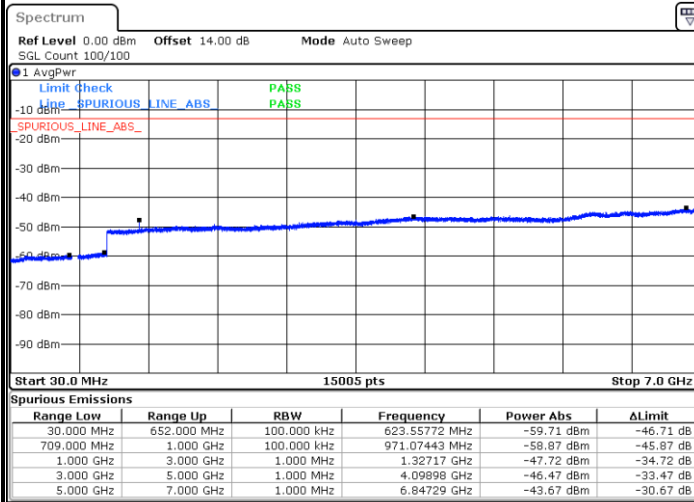




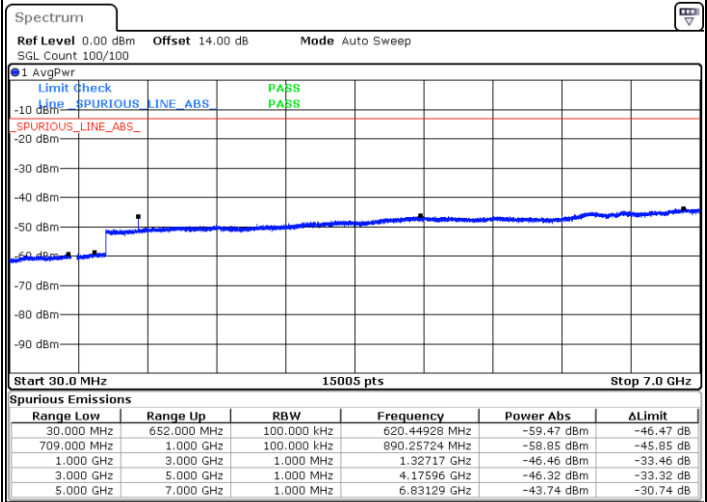
LTE Band 71 / 5MHz

Lowest Channel / QPSK



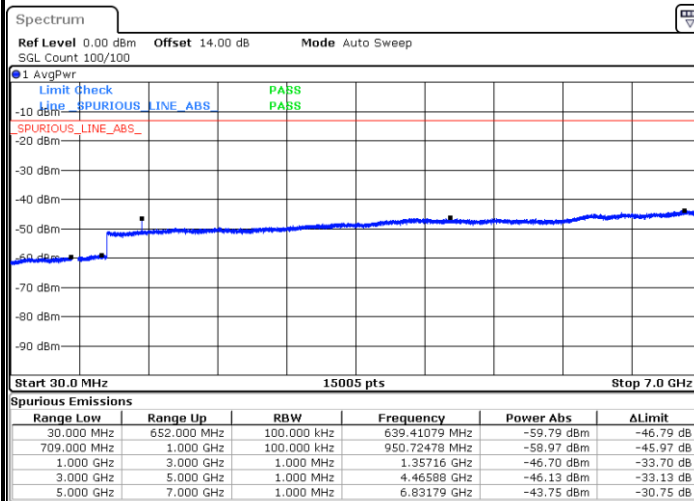
Date: 19 DEC 2020 10:35:19

Lowest Channel / 16QAM



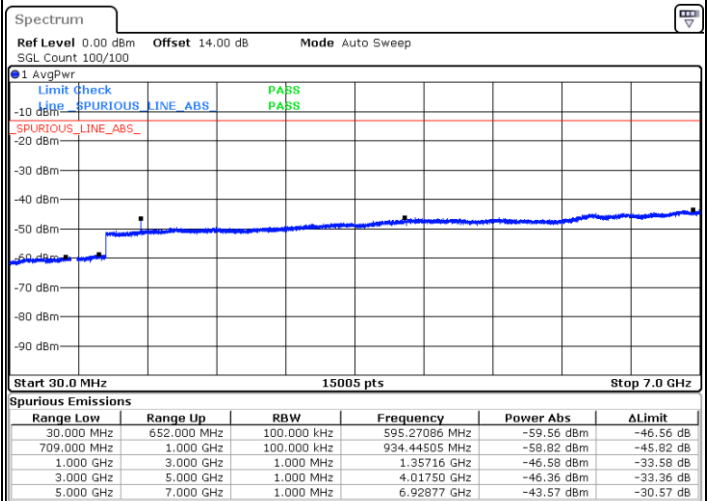
Date: 19 DEC 2020 10:34:13

Middle Channel / QPSK



Date: 19 DEC 2020 10:37:20

Middle Channel / 16QAM

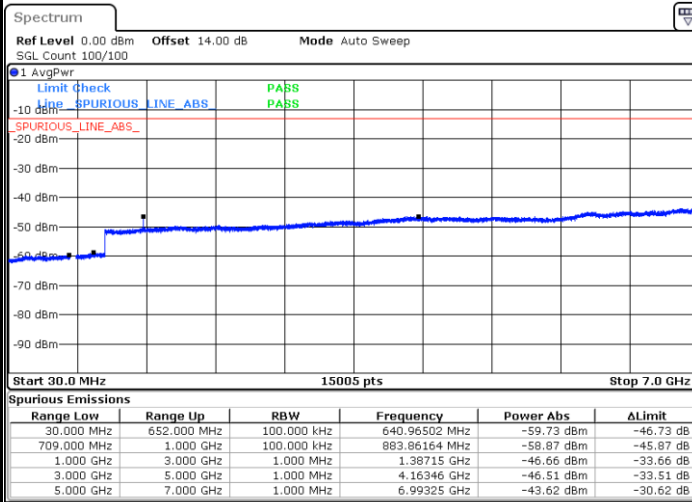


Date: 19 DEC 2020 10:37:55



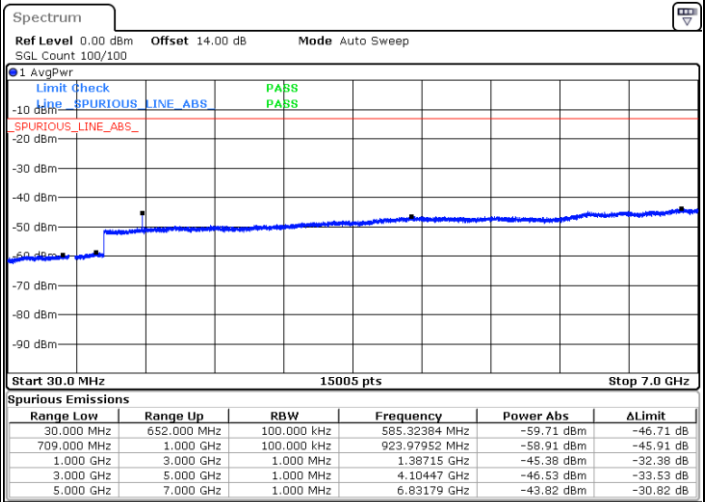
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 19 DEC 2020 10:44:35

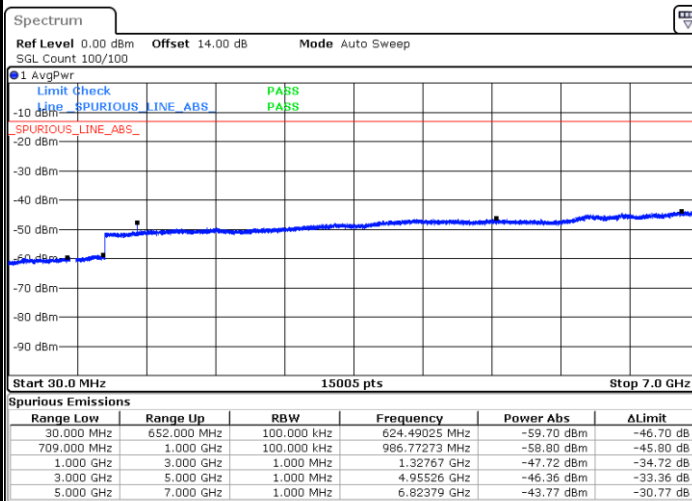
Highest Channel / 16QAM



Date: 19 DEC 2020 10:44:18

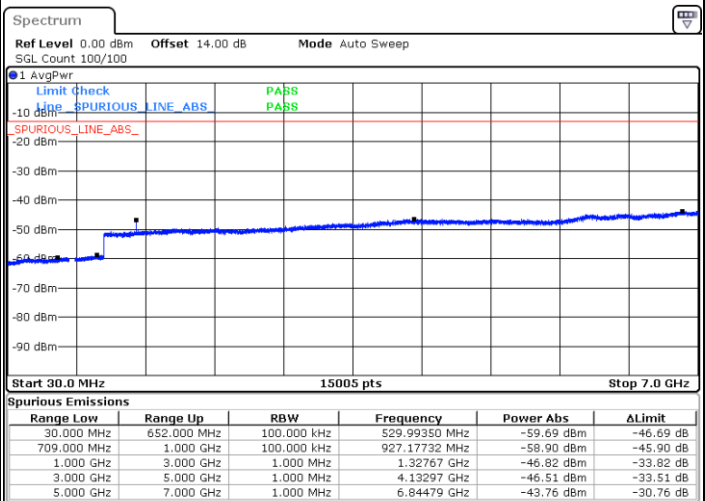
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 19 DEC 2020 10:53:51

Lowest Channel / 16QAM

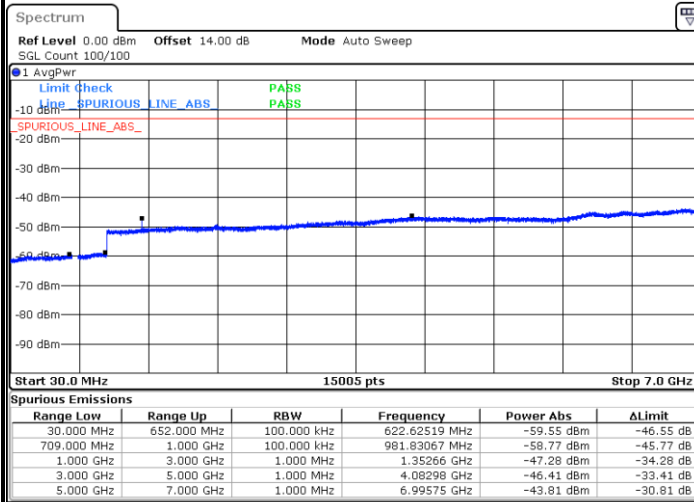


Date: 19 DEC 2020 10:52:55



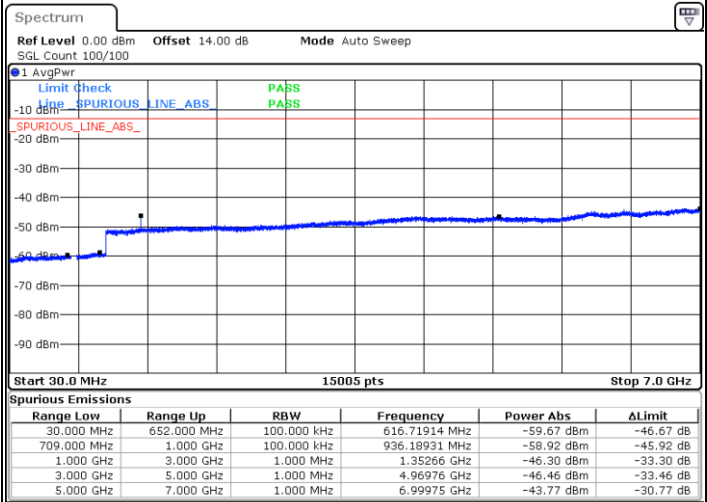
LTE Band 71 / 10MHz

Middle Channel / QPSK



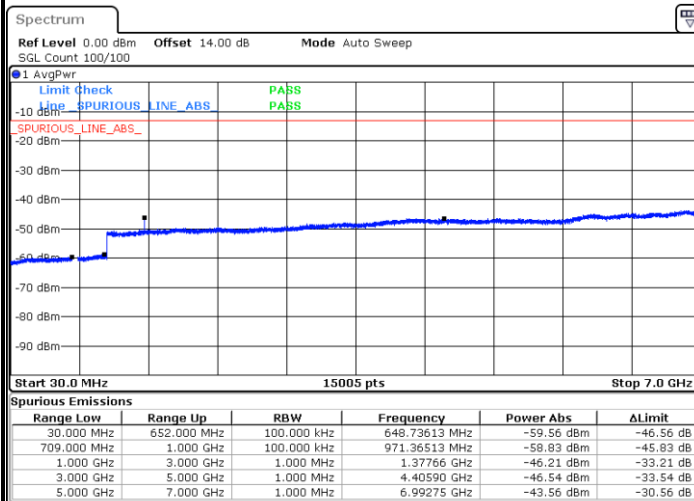
Date: 19 DEC 2020 10:54:26

Middle Channel / 16QAM



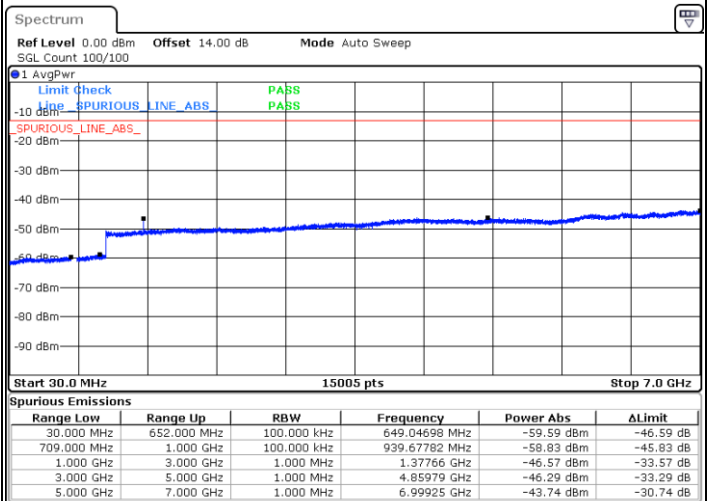
Date: 19 DEC 2020 10:54:55

Highest Channel / QPSK



Date: 19 DEC 2020 11:01:00

Highest Channel / 16QAM

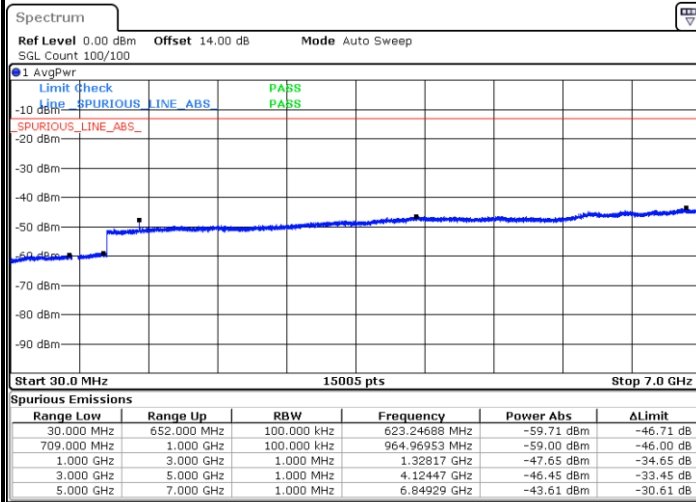


Date: 19 DEC 2020 11:00:42



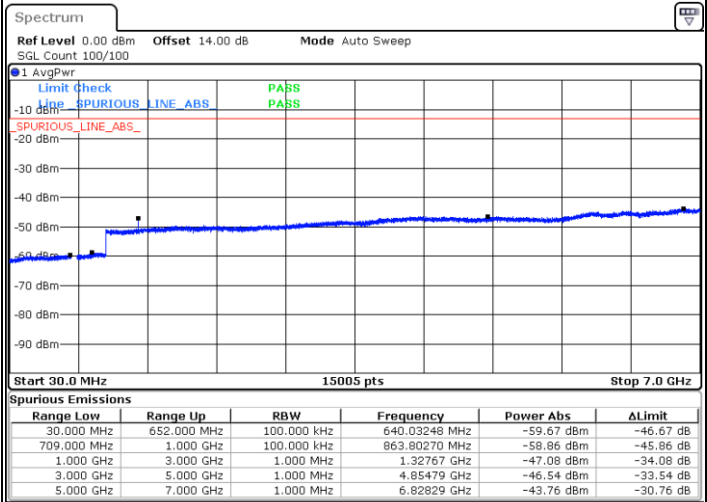
LTE Band 71 / 15MHz

Lowest Channel / QPSK



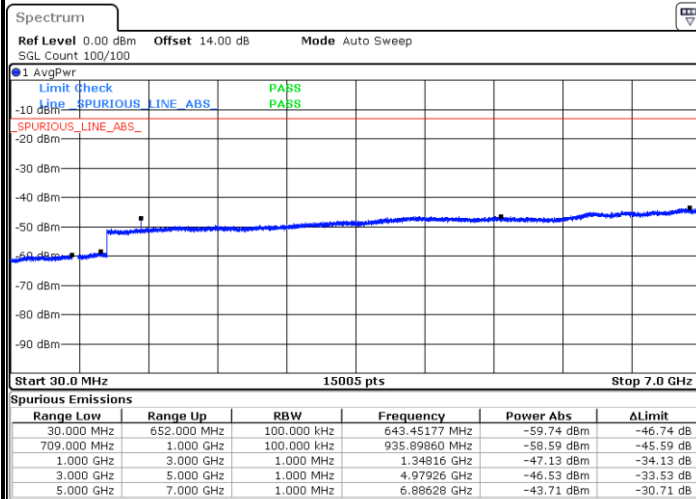
Date: 19 DEC 2020 11:09:54

Lowest Channel / 16QAM



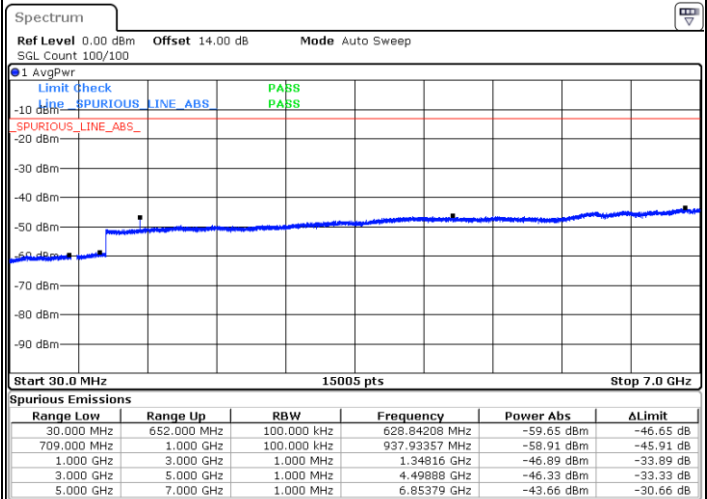
Date: 19 DEC 2020 11:08:56

Middle Channel / QPSK



Date: 19 DEC 2020 11:10:41

Middle Channel / 16QAM

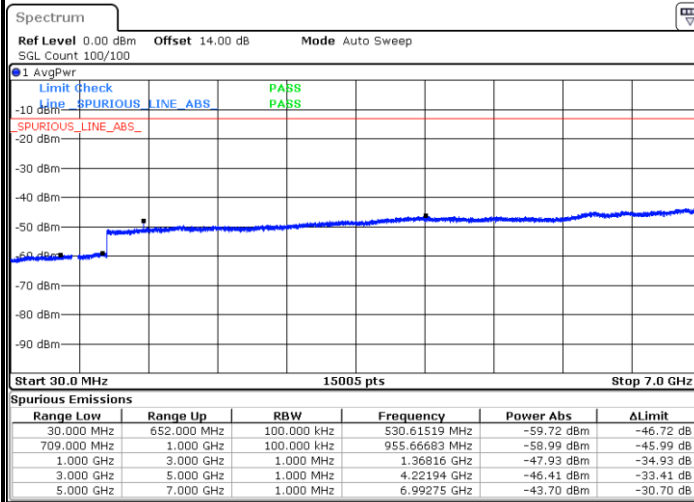


Date: 19 DEC 2020 11:11:01



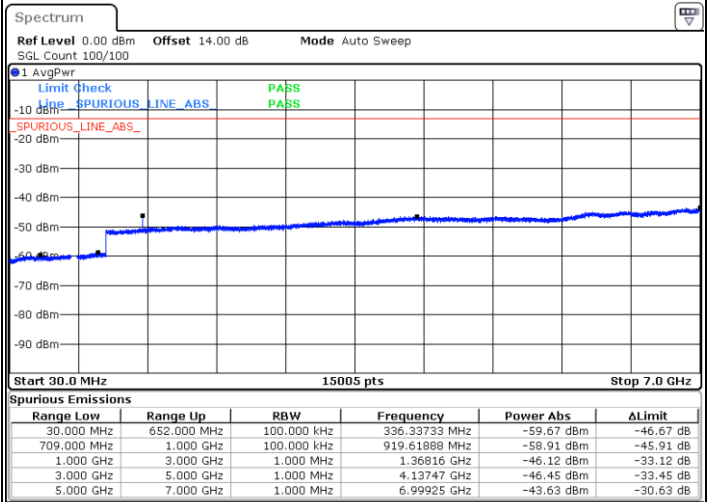
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 19 DEC 2020 11:19:42

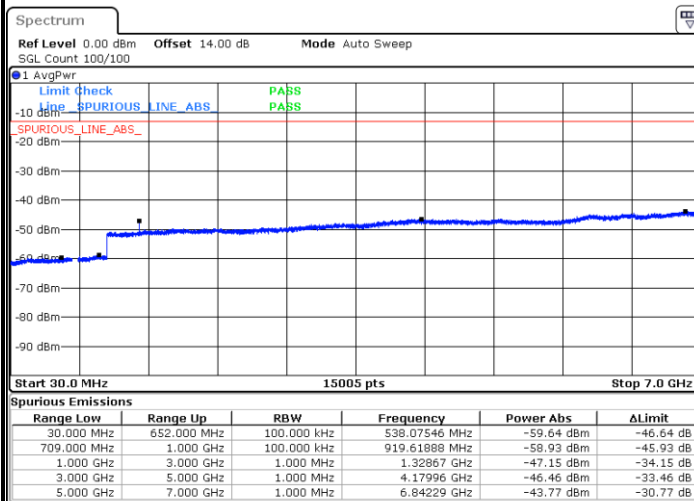
Highest Channel / 16QAM



Date: 19 DEC 2020 11:19:24

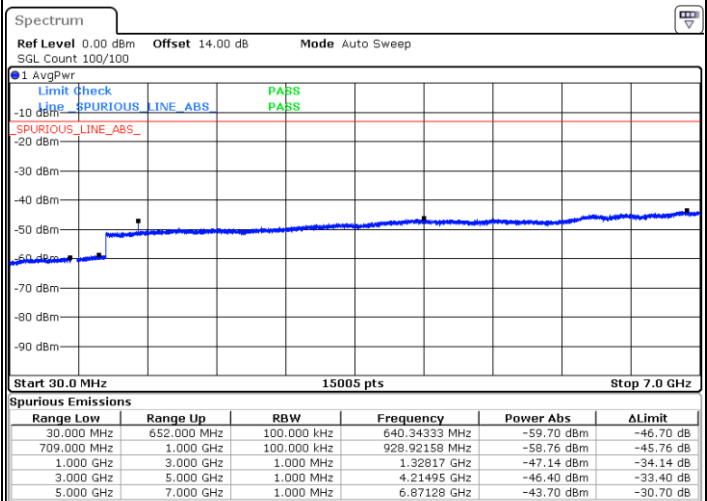
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 19 DEC 2020 11:49:21

Lowest Channel / 16QAM

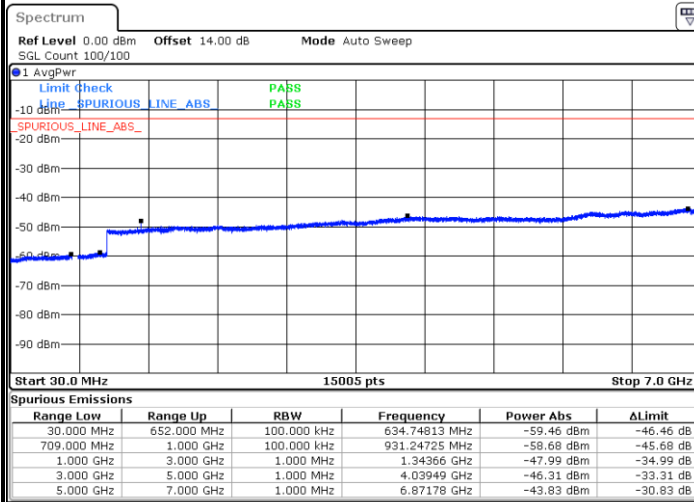


Date: 19 DEC 2020 11:48:54



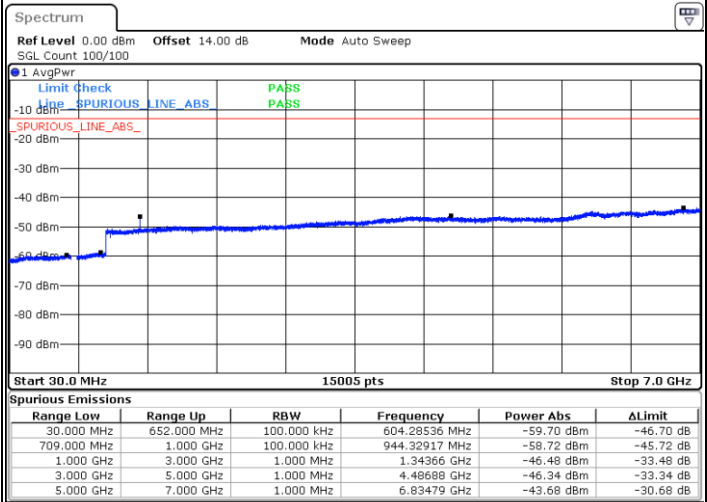
LTE Band 71 / 20MHz

Middle Channel / QPSK



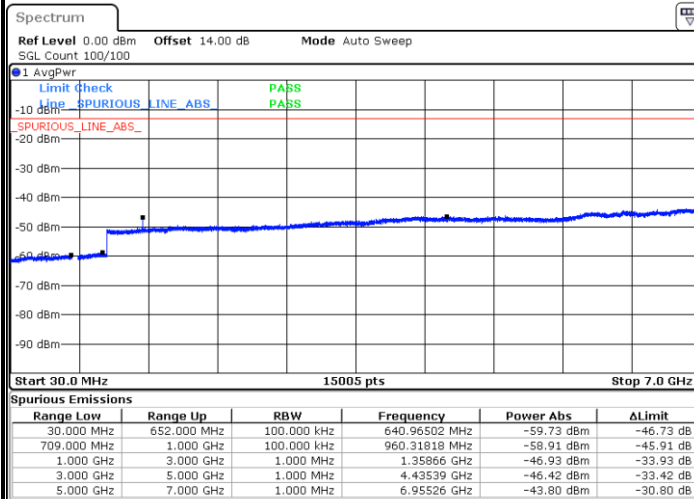
Date: 19 DEC 2020 12:12:23

Middle Channel / 16QAM



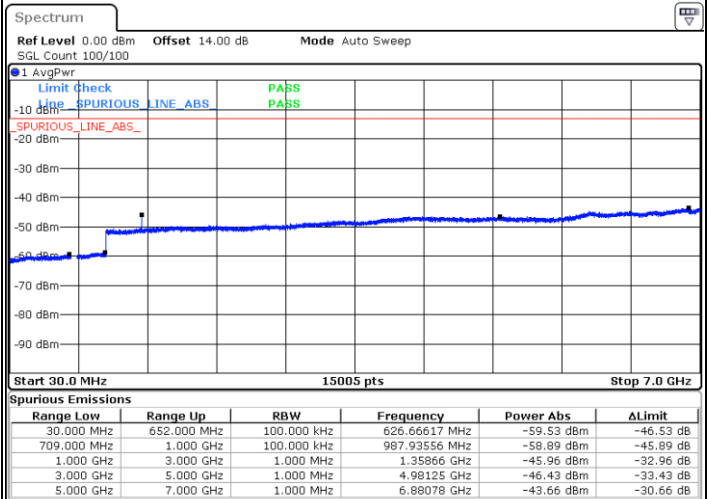
Date: 19 DEC 2020 12:12:43

Highest Channel / QPSK



Date: 19 DEC 2020 12:18:58

Highest Channel / 16QAM

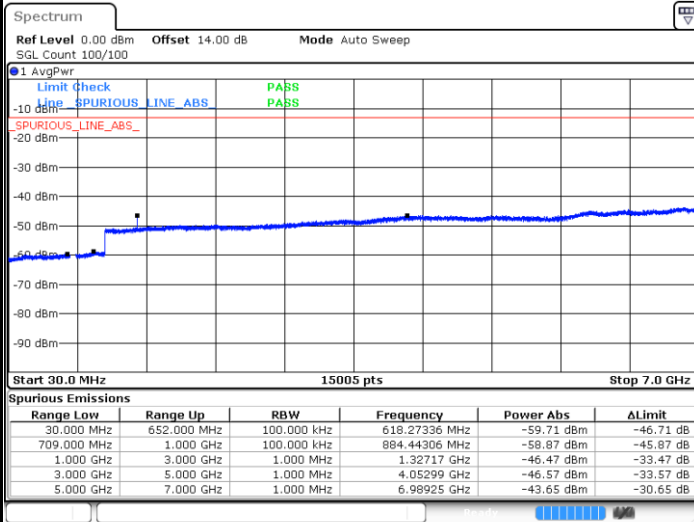


Date: 19 DEC 2020 12:18:36



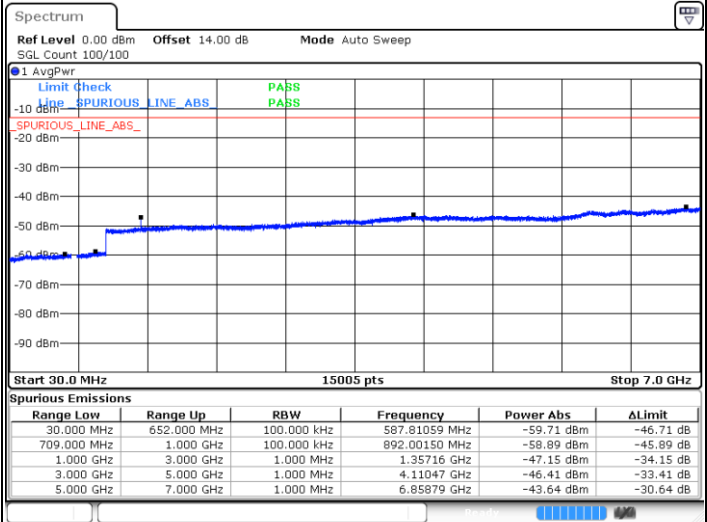
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



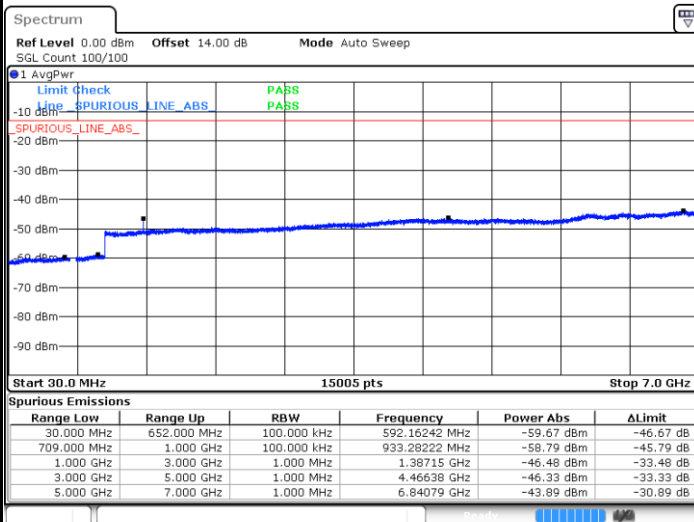
Date: 19 DEC 2020 10:31:34

Middle Channel / 64QAM



Date: 19 DEC 2020 10:38:15

Highest Channel / 64QAM

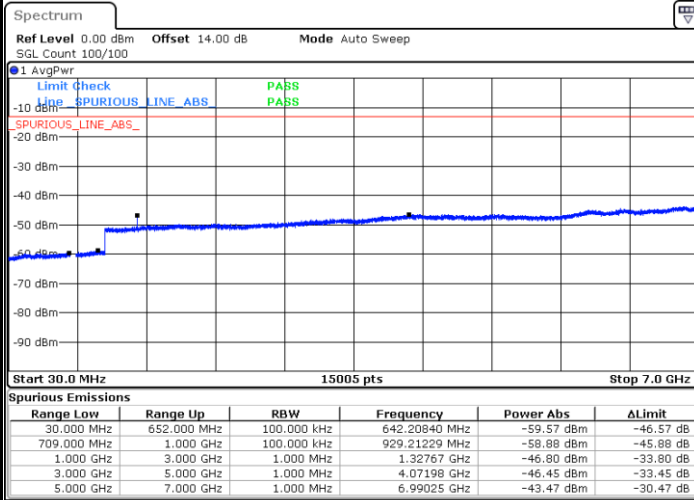


Date: 19 DEC 2020 10:43:59



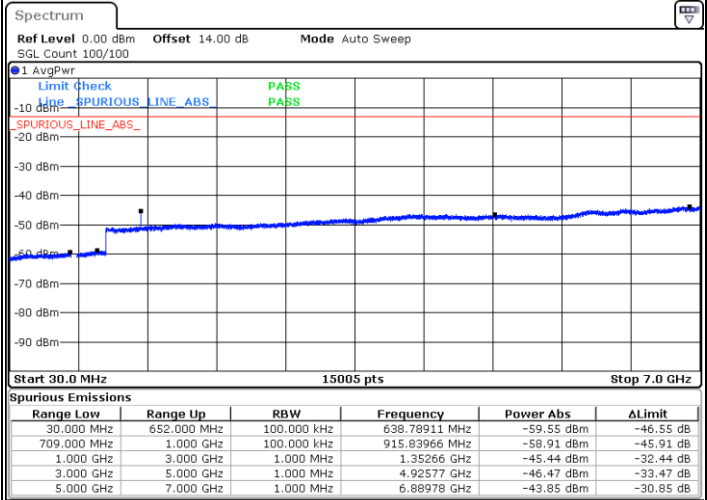
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



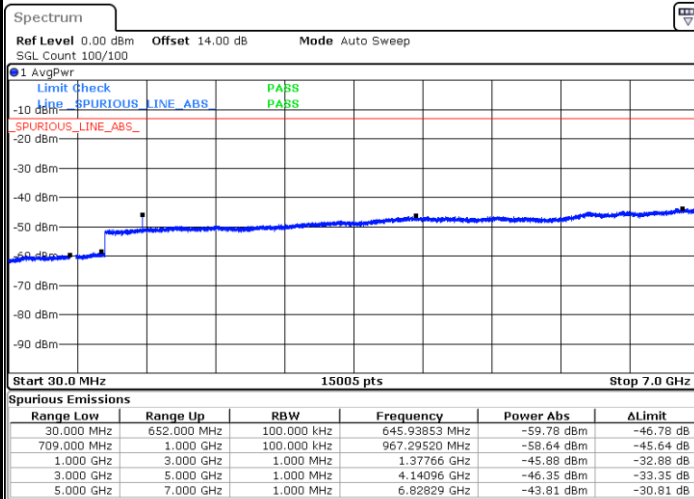
Date: 19 DEC 2020 10:52:05

Middle Channel / 64QAM



Date: 19 DEC 2020 10:55:15

Highest Channel / 64QAM

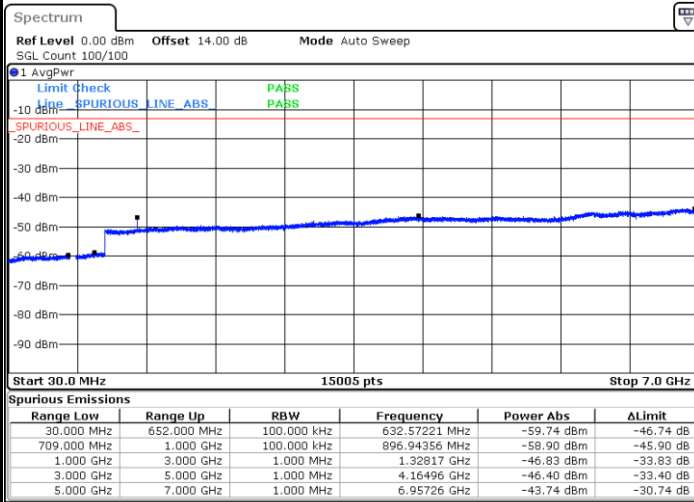


Date: 19 DEC 2020 11:00:20



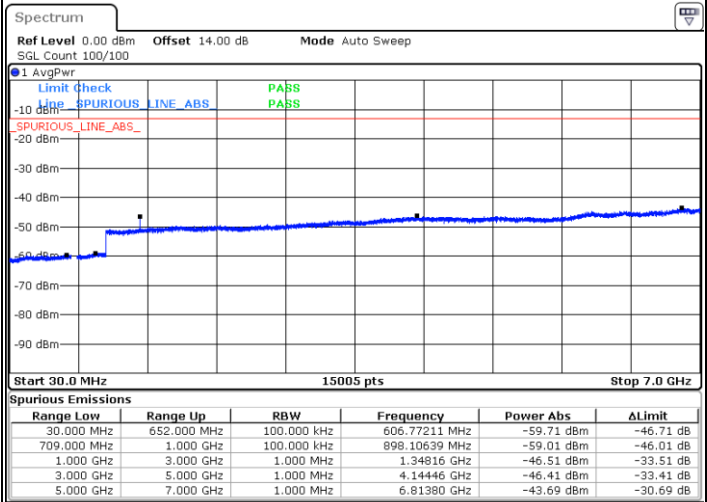
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



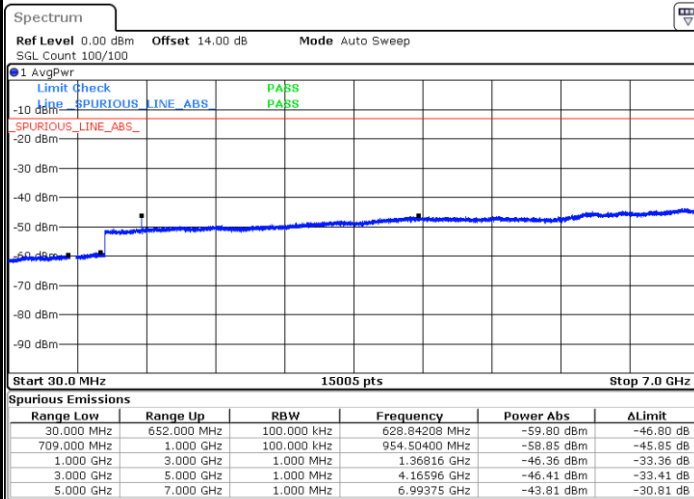
Date: 19 DEC 2020 11:07:50

Middle Channel / 64QAM



Date: 19 DEC 2020 11:11:21

Highest Channel / 64QAM

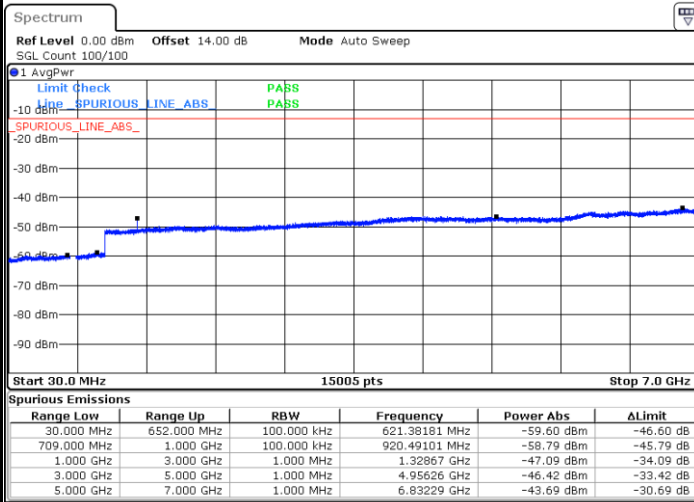


Date: 19 DEC 2020 11:19:05



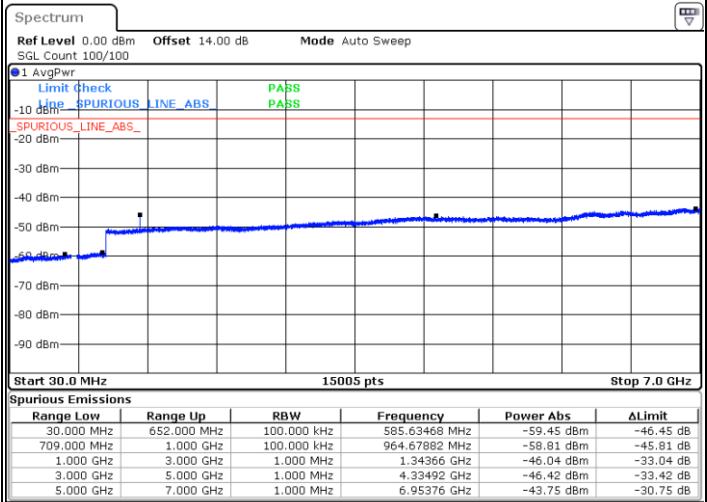
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



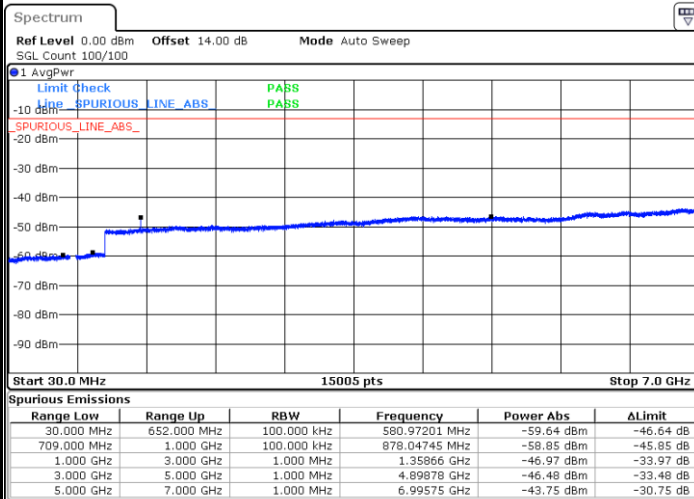
Date: 19 DEC 2020 11:48:36

Middle Channel / 64QAM



Date: 19 DEC 2020 12:13:02

Highest Channel / 64QAM



Date: 19 DEC 2020 12:18:12

**Frequency Stability**

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.13	30.33	34.62
Middle CH	29.85	25.23	30.57	34.69
Highest CH	29.79	25.18	30.33	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.83	39.72	-
Middle CH	30.03	34.97	39.80	-
Highest CH	29.91	34.76	39.80	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.61	25.13	30.51	34.76
Middle CH	29.85	25.08	30.51	34.69
Highest CH	29.61	25.13	30.63	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.76	39.80	-
Middle CH	29.97	34.83	39.80	-
Highest CH	29.85	34.90	39.80	-

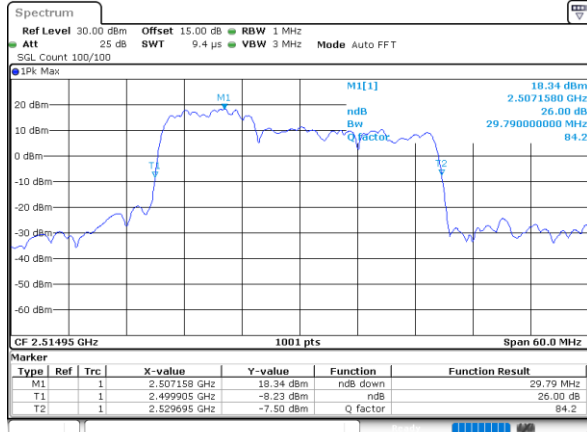
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.08	30.39	34.90
Middle CH	29.79	25.23	30.51	34.83
Highest CH	29.85	25.08	30.45	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.79	34.90	39.72	-
Middle CH	29.85	34.76	39.56	-
Highest CH	29.97	34.69	39.80	-



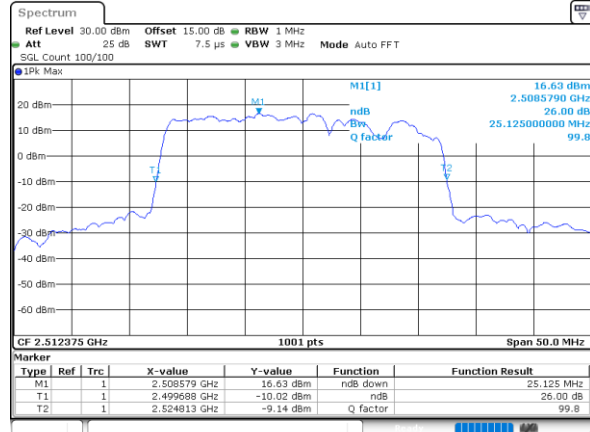
LTE Band 7C

QPSK

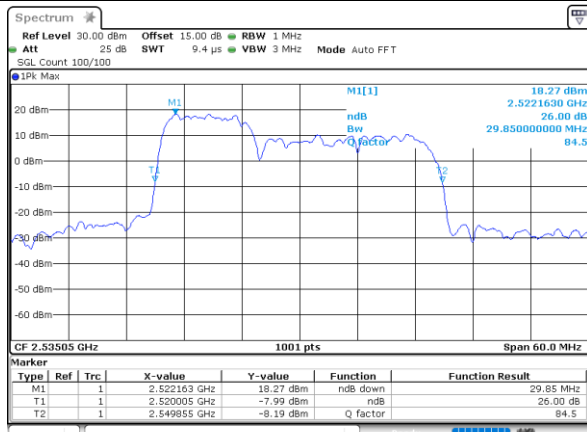
Lowest Channel / 10MHz+20MHz



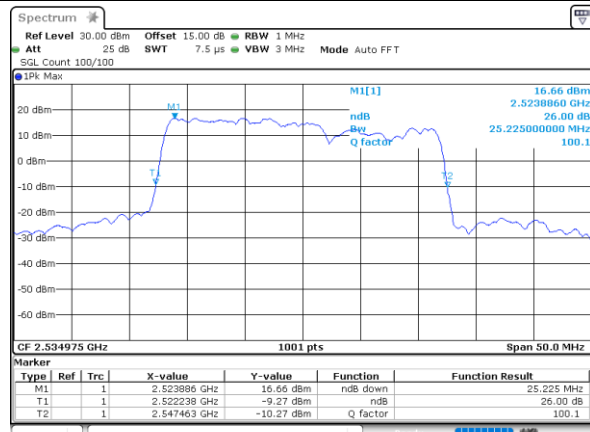
Lowest Channel / 15MHz+10MHz



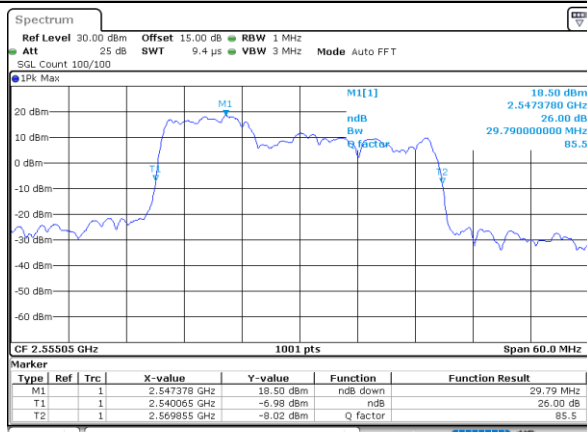
Middle Channel / 10MHz+20MHz



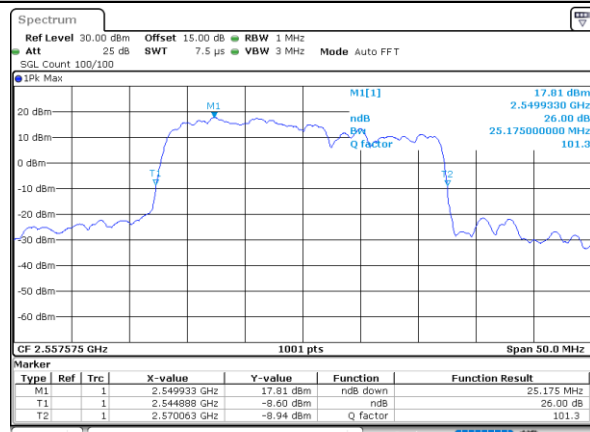
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

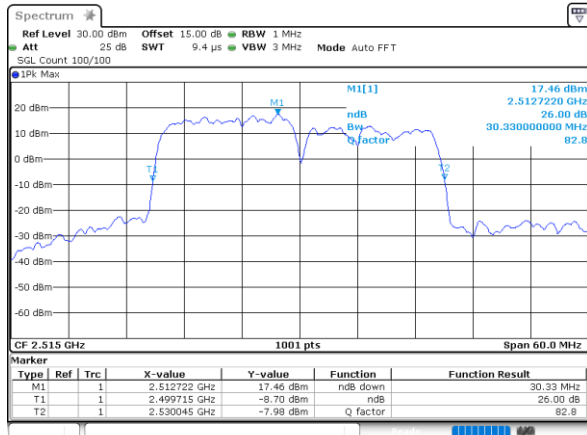




LTE Band 7C

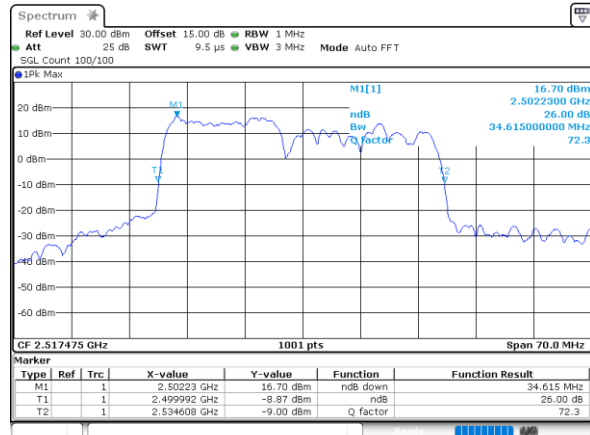
QPSK

Lowest Channel / 15MHz+15MHz



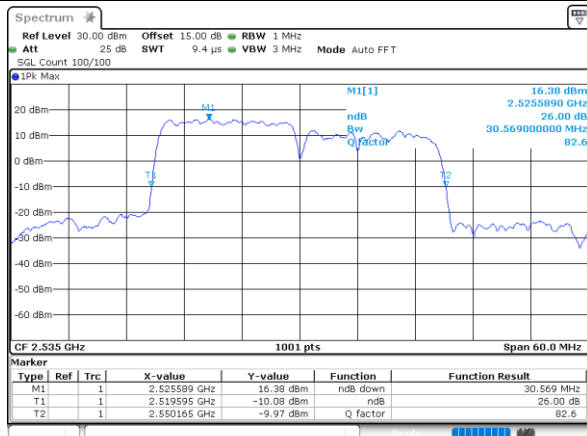
Date: 4.JAN.2021 20:36:13

Lowest Channel / 15MHz+20MHz



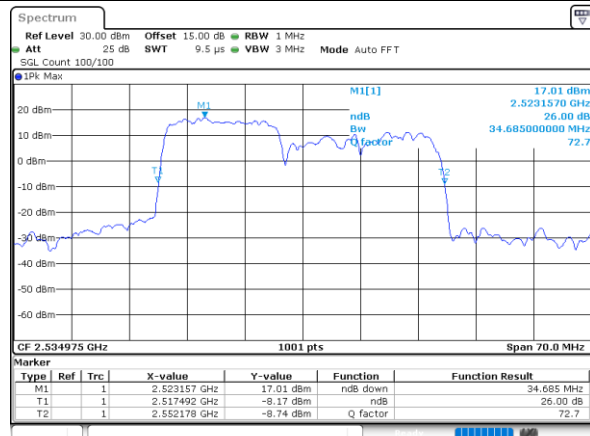
Date: 4.JAN.2021 19:25:24

Middle Channel / 15MHz+15MHz



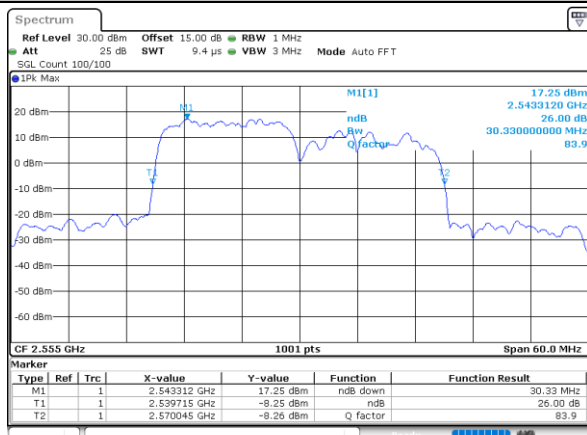
Date: 4.JAN.2021 21:00:18

Middle Channel / 15MHz+20MHz



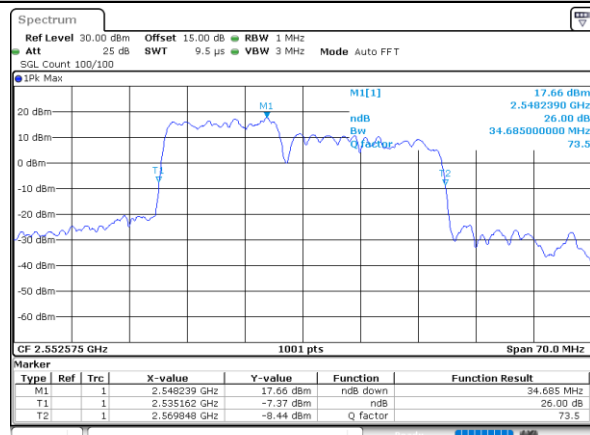
Date: 4.JAN.2021 19:49:03

Highest Channel / 15MHz+15MHz



Date: 4.JAN.2021 21:37:48

Highest Channel / 15MHz+20MHz



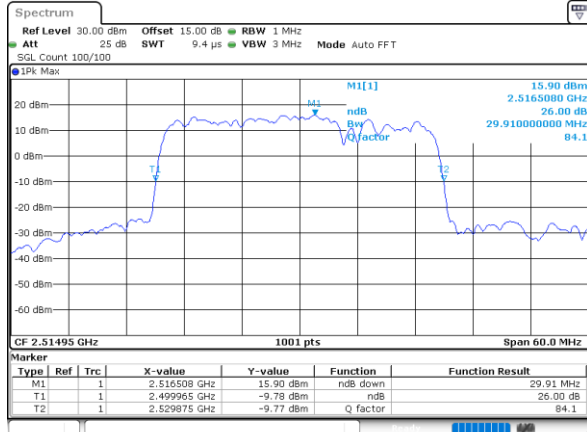
Date: 4.JAN.2021 20:05:24



LTE Band 7C

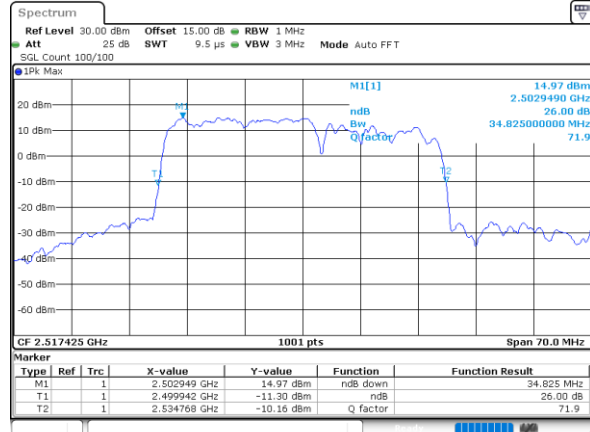
QPSK

Lowest Channel / 20MHz+10MHz



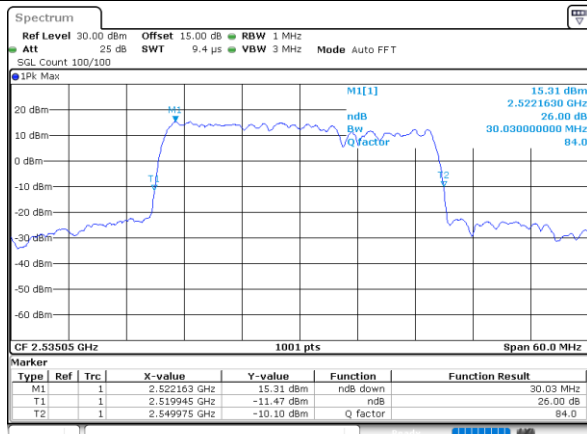
Date: 4.JAN.2021 05:27:53

Lowest Channel / 20MHz+15MHz



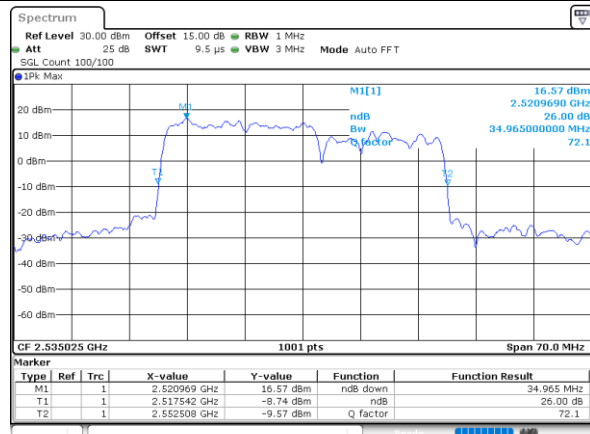
Date: 4.JAN.2021 04:24:07

Middle Channel / 20MHz+10MHz



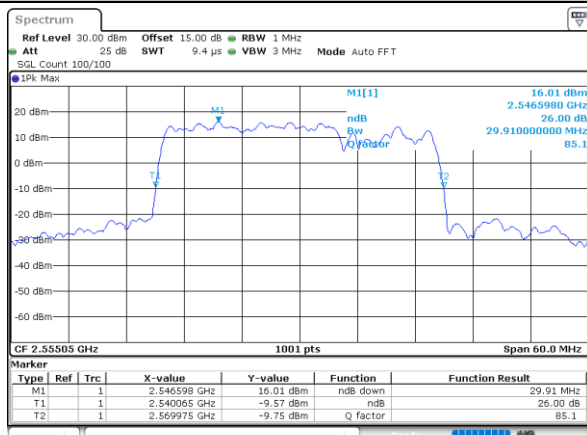
Date: 4.JAN.2021 05:52:04

Middle Channel / 20MHz+15MHz



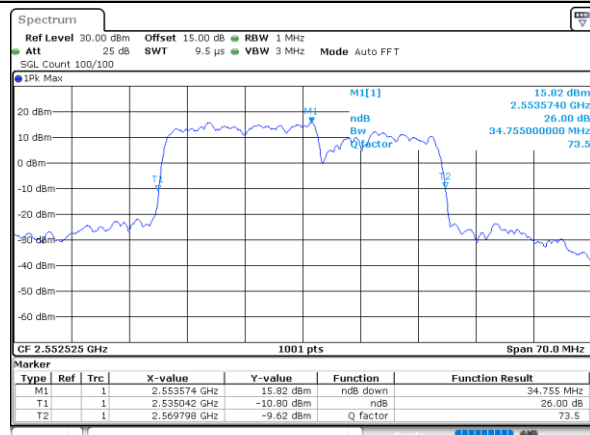
Date: 4.JAN.2021 04:47:34

Highest Channel / 20MHz+10MHz



Date: 4.JAN.2021 18:46:51

Highest Channel / 20MHz+15MHz



Date: 4.JAN.2021 05:07:05

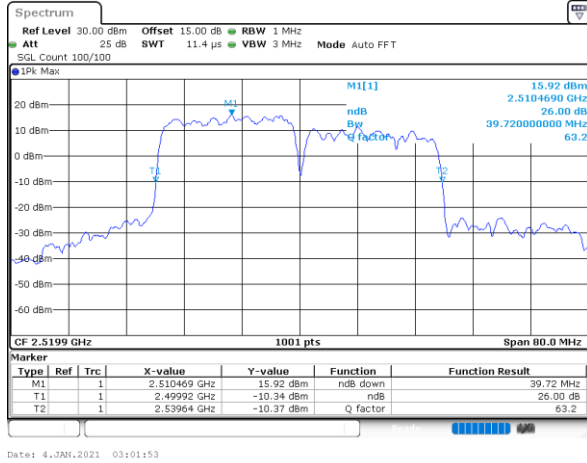


LTE Band 7C

QPSK

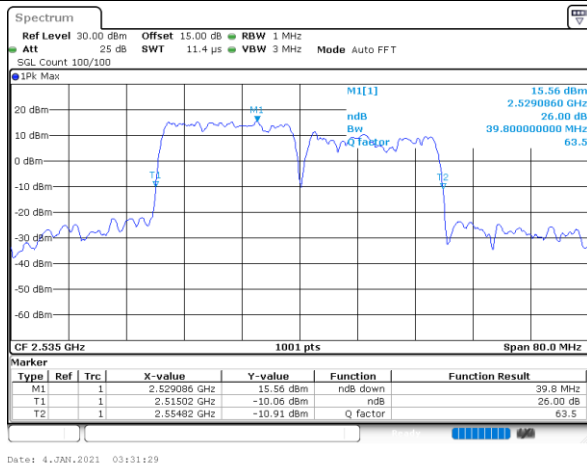
Lowest Channel / 20MHz+20MHz

N/A



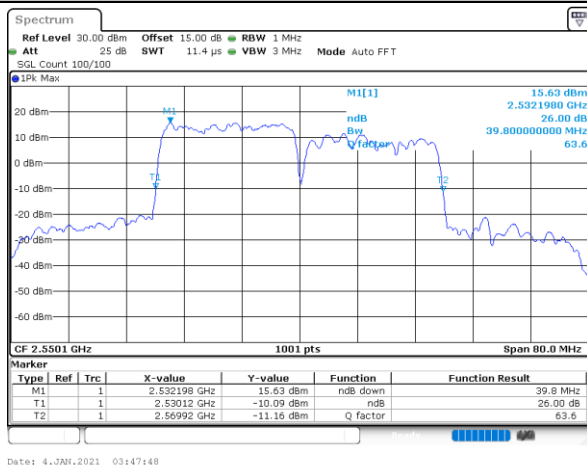
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

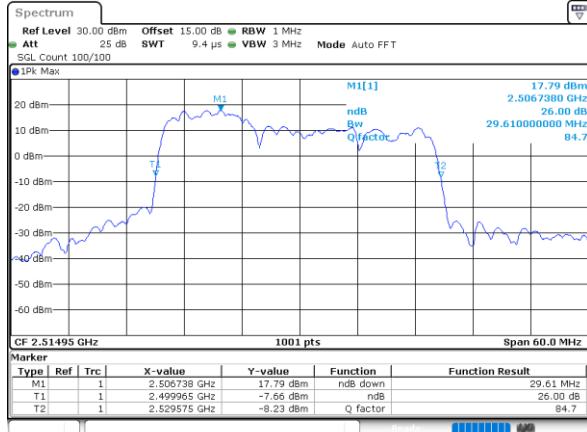




LTE Band 7C

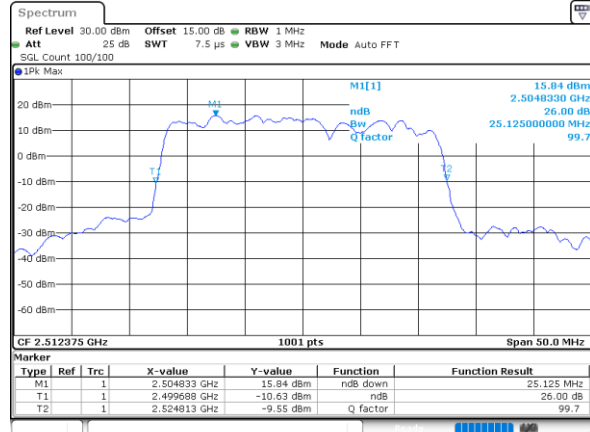
16QAM

Lowest Channel / 10MHz+20MHz



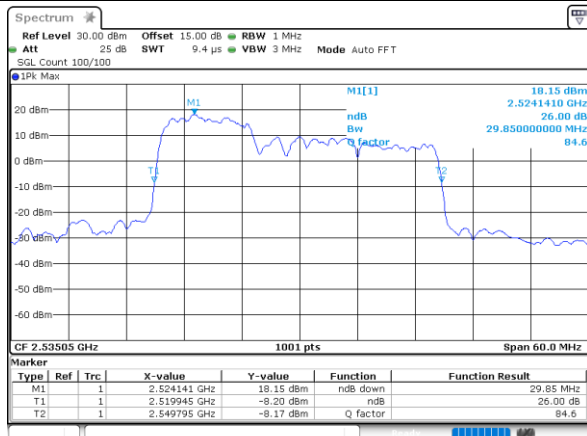
Date: 4.JAN.2021 22:19:17

Lowest Channel / 15MHz+10MHz



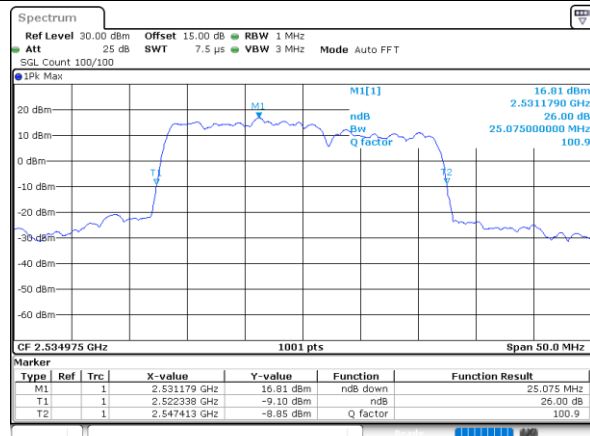
Date: 5.JAN.2021 00:41:10

Middle Channel / 10MHz+20MHz



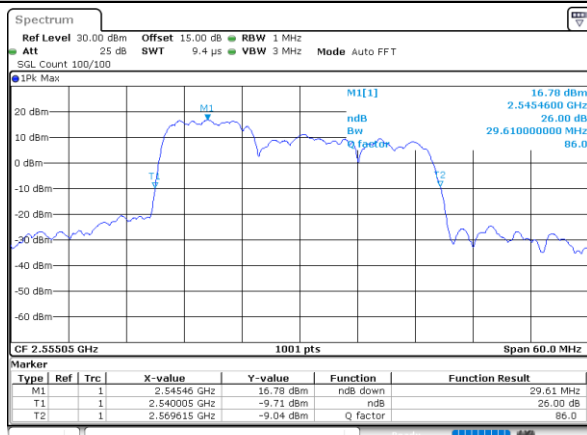
Date: 4.JAN.2021 23:19:57

Middle Channel / 15MHz+10MHz



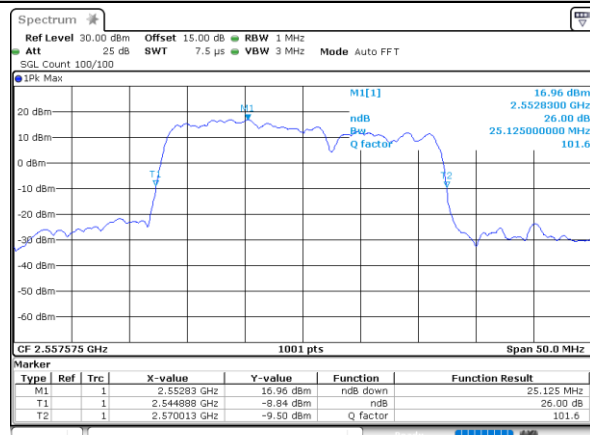
Date: 5.JAN.2021 01:07:21

Highest Channel / 10MHz+20MHz



Date: 4.JAN.2021 23:39:25

Highest Channel / 15MHz+10MHz



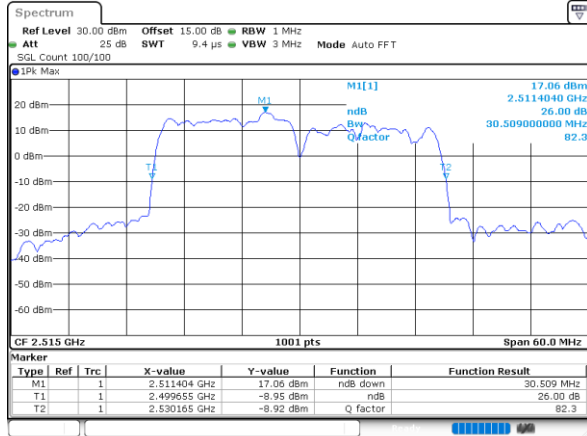
Date: 5.JAN.2021 01:23:30



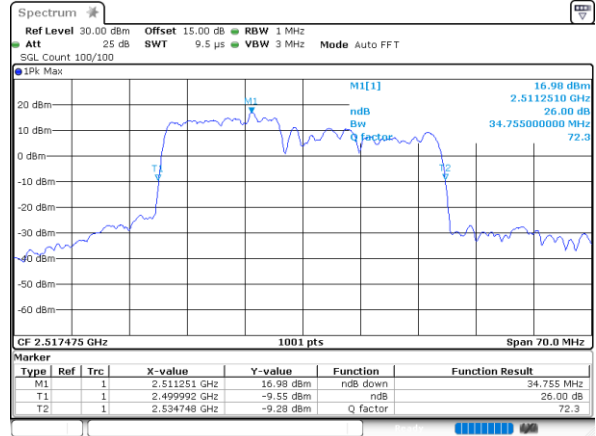
LTE Band 7C

16QAM

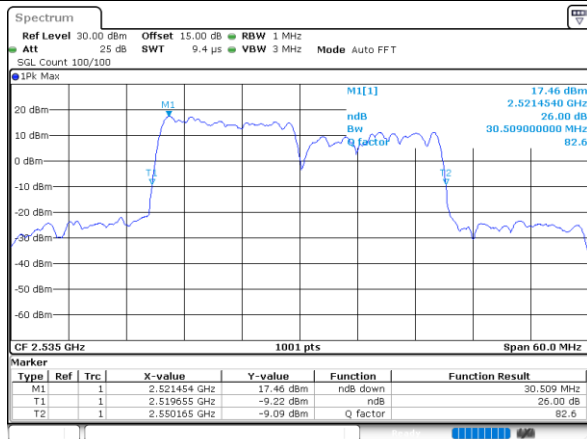
Lowest Channel / 15MHz+15MHz



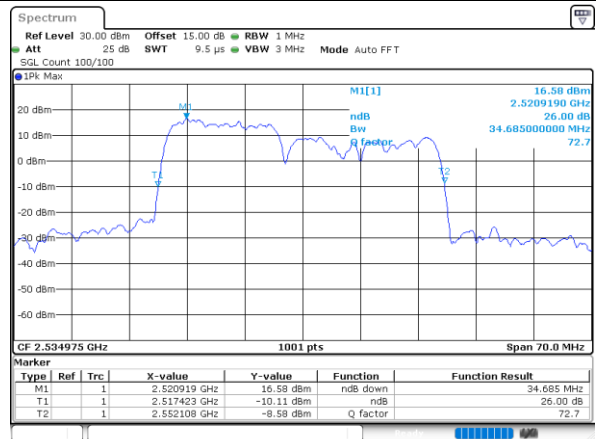
Lowest Channel / 15MHz+20MHz



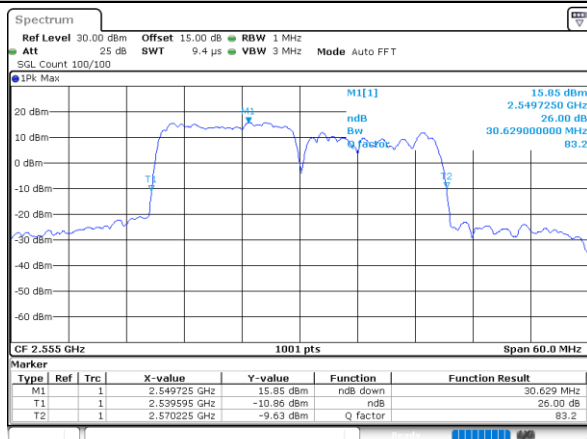
Middle Channel / 15MHz+15MHz



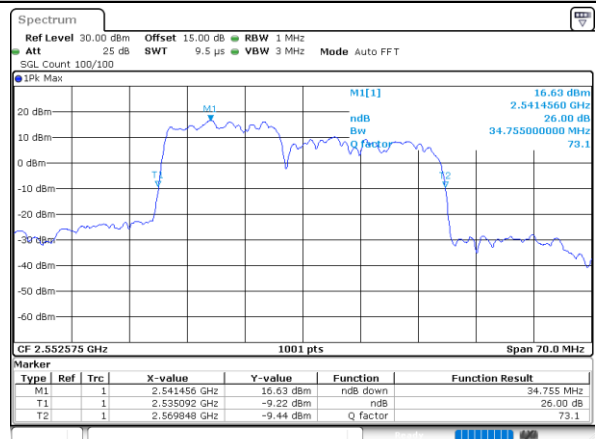
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

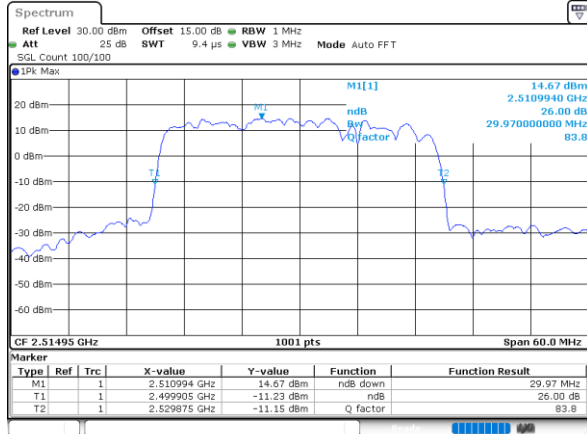




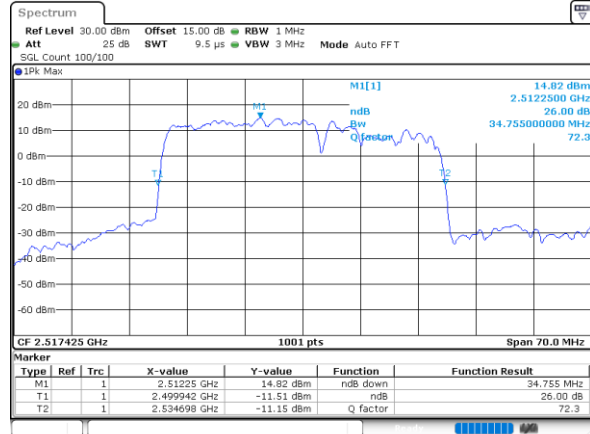
LTE Band 7C

16QAM

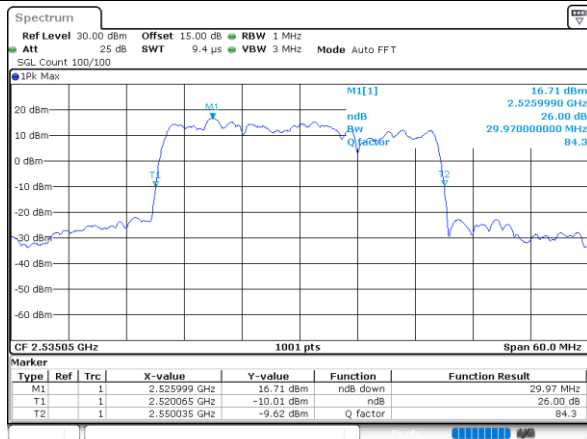
Lowest Channel / 20MHz+10MHz



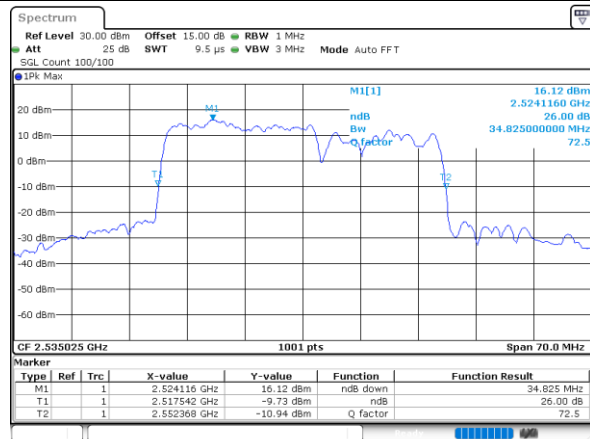
Lowest Channel / 20MHz+15MHz



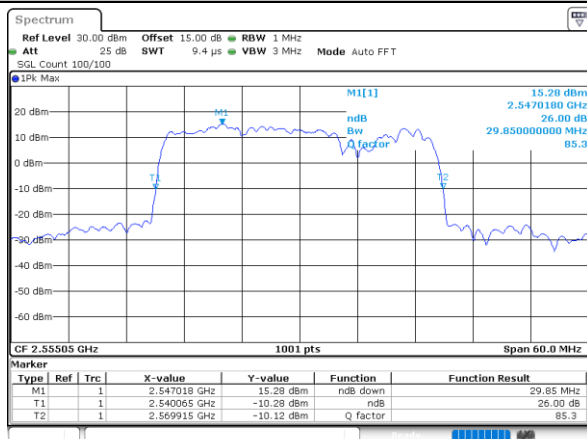
Middle Channel / 20MHz+10MHz



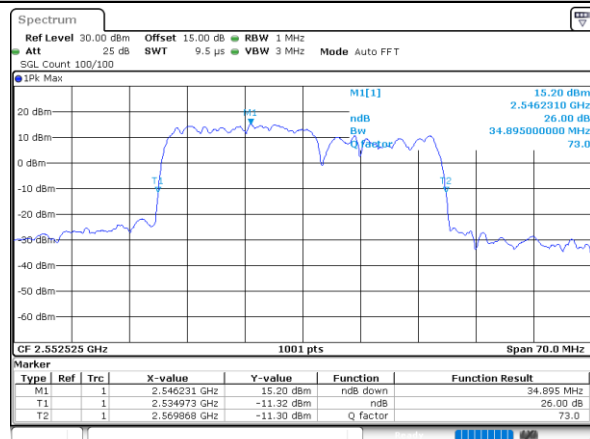
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



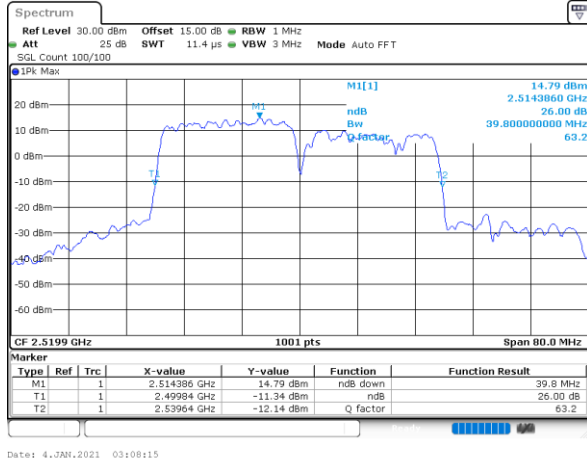


LTE Band 7C

16QAM

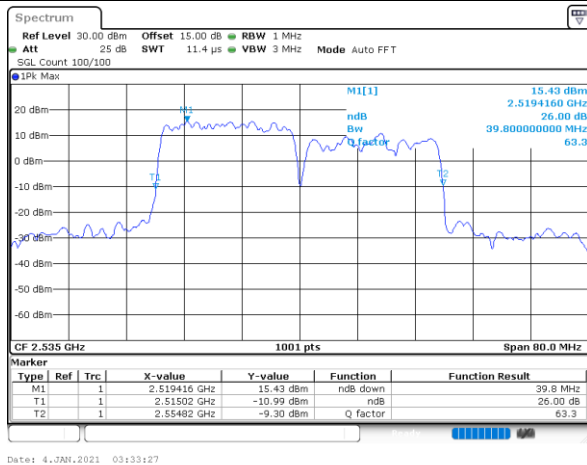
Lowest Channel / 20MHz+20MHz

N/A



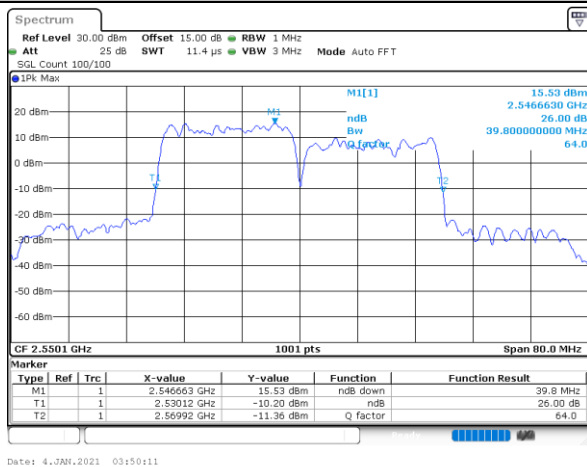
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

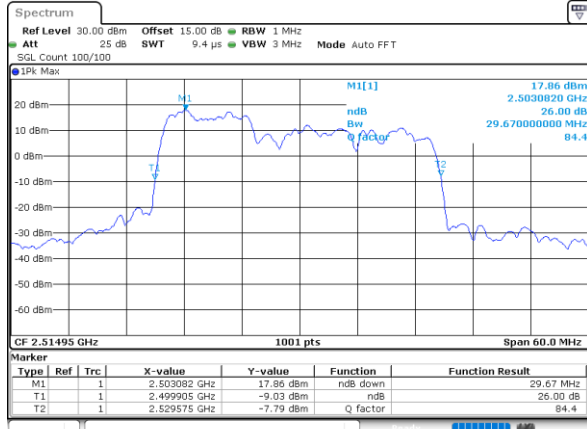




LTE Band 7C

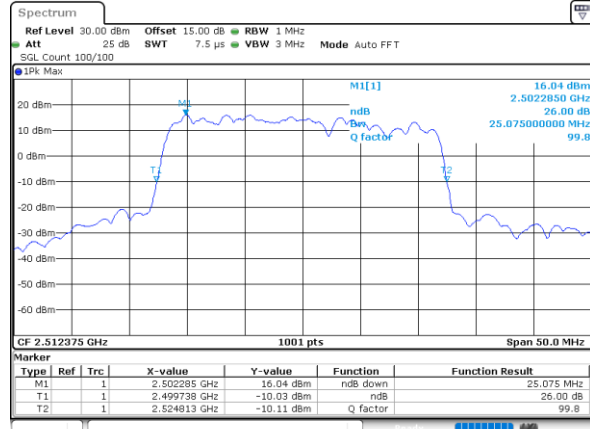
64QAM

Lowest Channel / 10MHz+20MHz



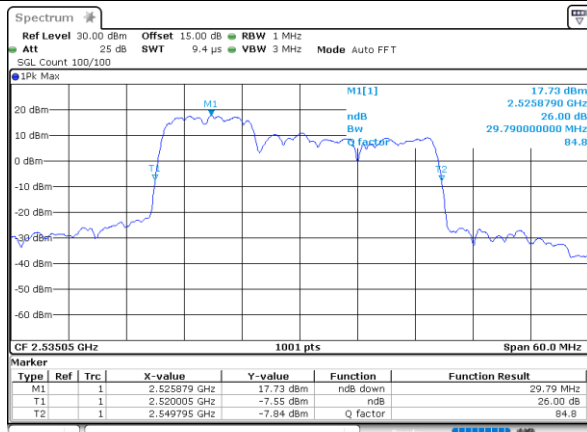
Date: 4.JAN.2021 22:21:33

Lowest Channel / 15MHz+10MHz



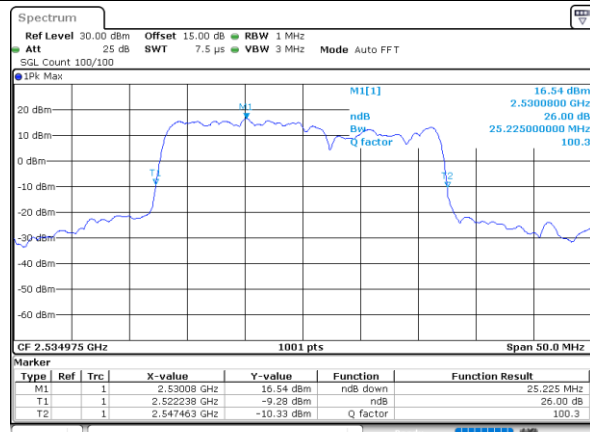
Date: 5.JAN.2021 00:44:54

Middle Channel / 10MHz+20MHz



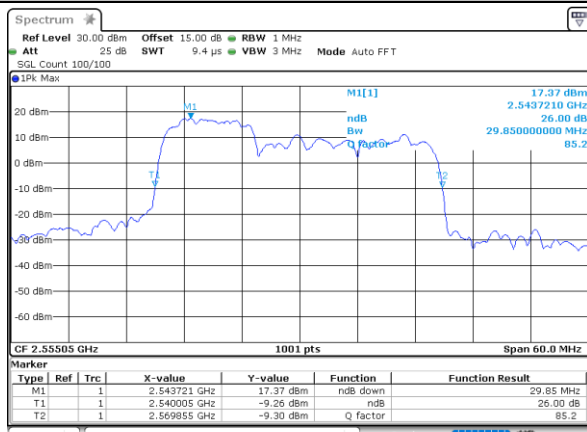
Date: 4.JAN.2021 23:21:36

Middle Channel / 15MHz+10MHz



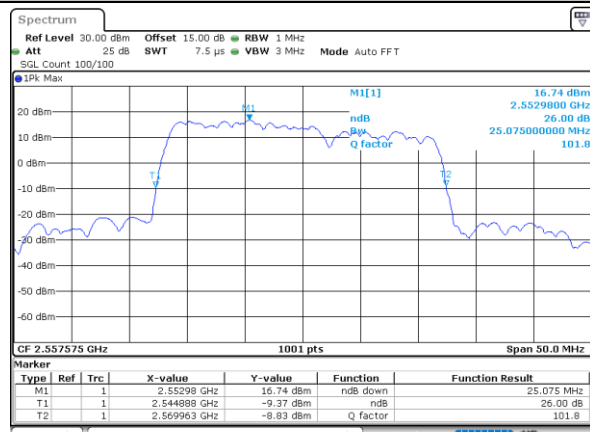
Date: 5.JAN.2021 01:44:51

Highest Channel / 10MHz+20MHz



Date: 5.JAN.2021 00:13:38

Highest Channel / 15MHz+10MHz



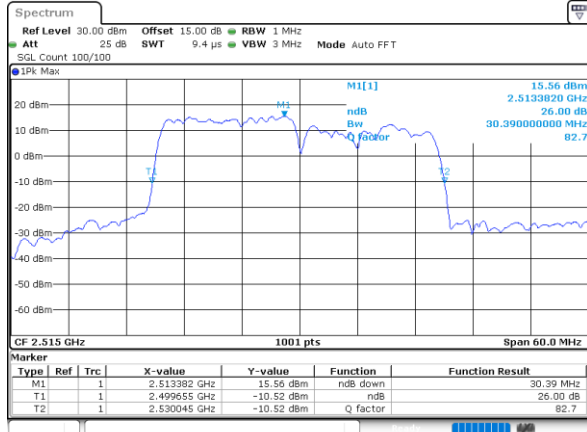
Date: 5.JAN.2021 01:26:49



LTE Band 7C

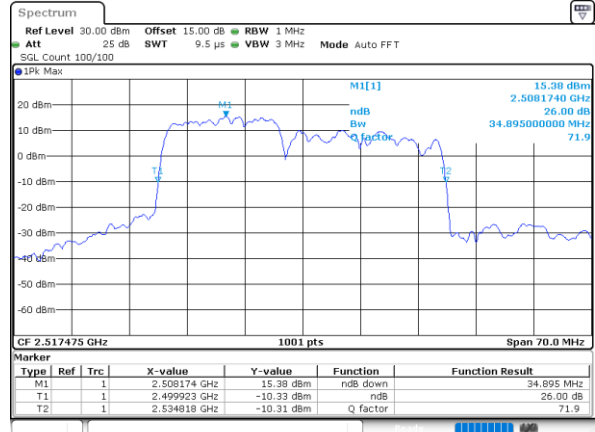
64QAM

Lowest Channel / 15MHz+15MHz



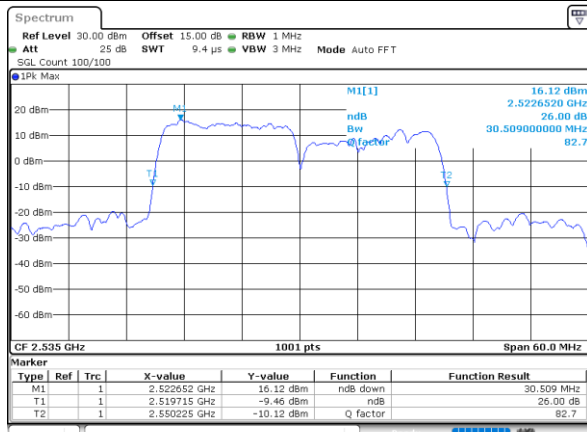
Date: 4.JAN.2021 20:40:50

Lowest Channel / 15MHz+20MHz



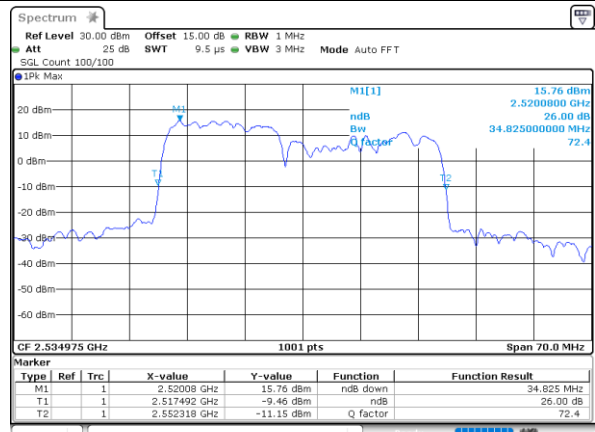
Date: 4.JAN.2021 19:30:10

Middle Channel / 15MHz+15MHz



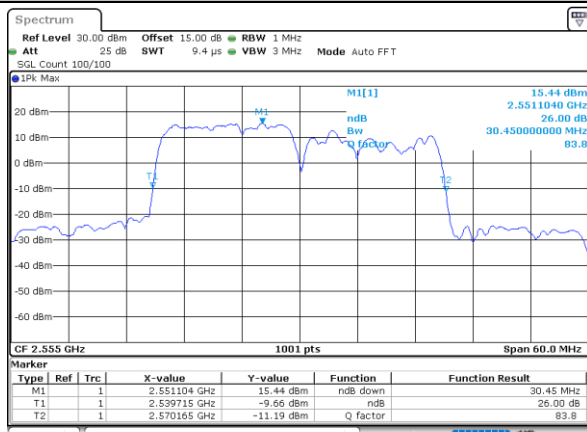
Date: 4.JAN.2021 21:06:07

Middle Channel / 15MHz+20MHz



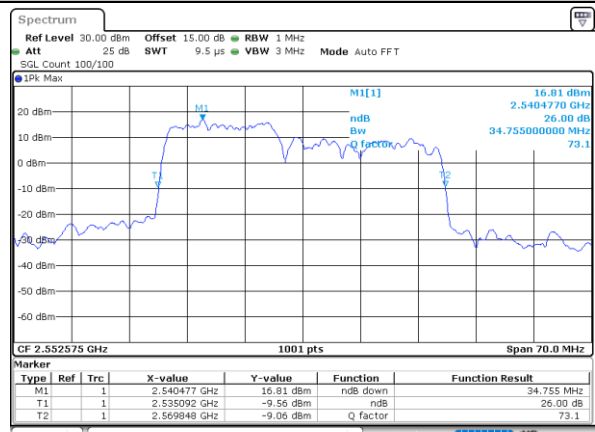
Date: 4.JAN.2021 19:53:39

Highest Channel / 15MHz+15MHz



Date: 4.JAN.2021 21:46:10

Highest Channel / 15MHz+20MHz



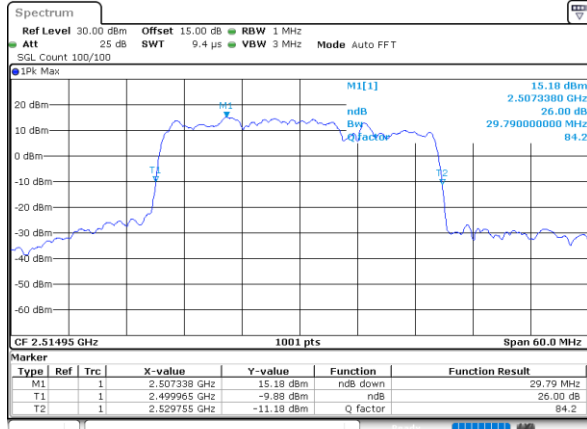
Date: 4.JAN.2021 20:17:15



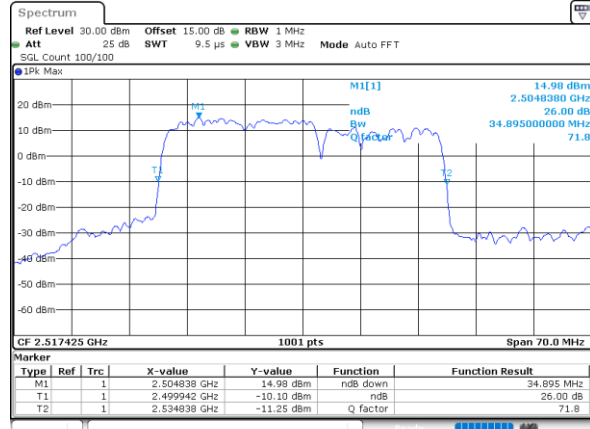
LTE Band 7C

64QAM

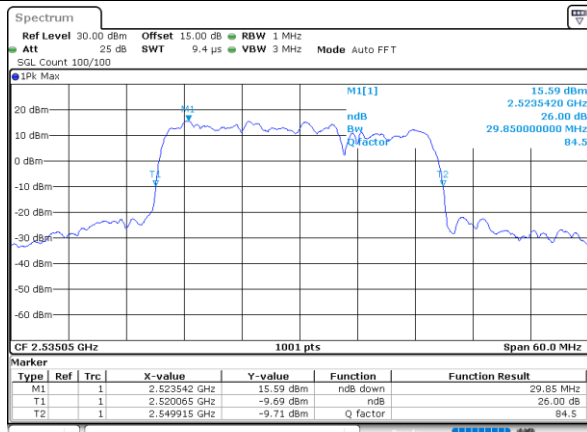
Lowest Channel / 20MHz+10MHz



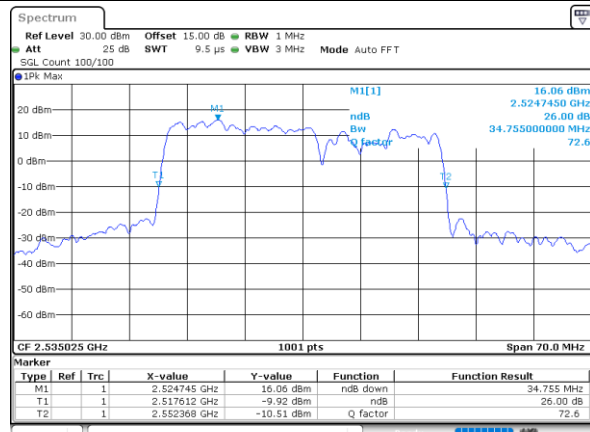
Lowest Channel / 20MHz+15MHz



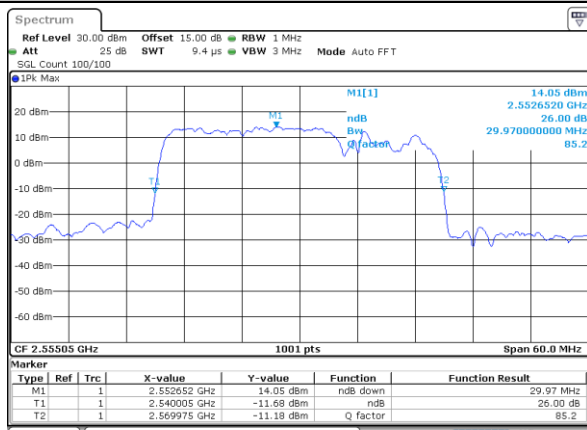
Middle Channel / 20MHz+10MHz



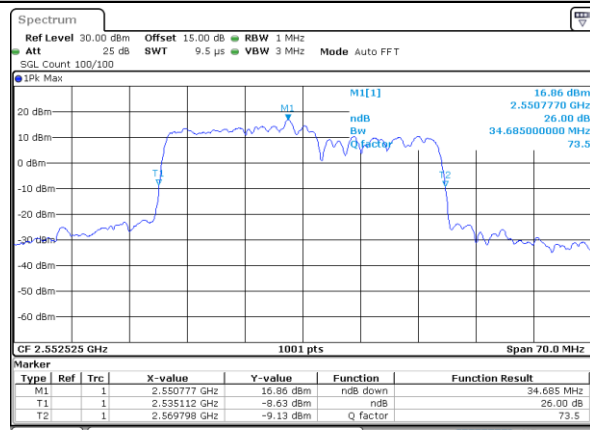
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



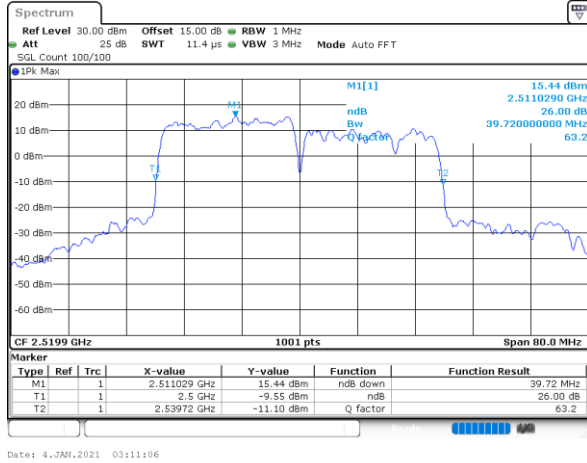


LTE Band 7C

64QAM

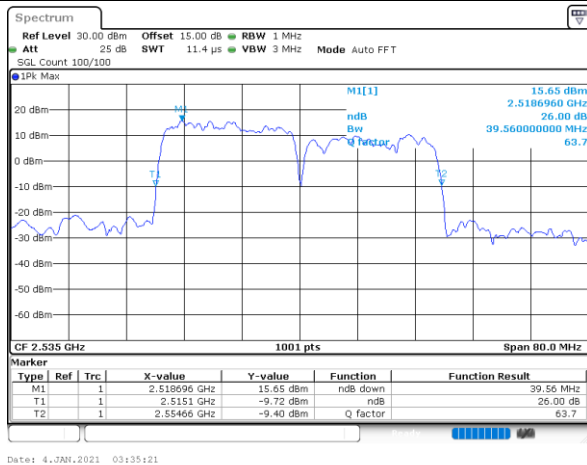
Lowest Channel / 20MHz+20MHz

N/A



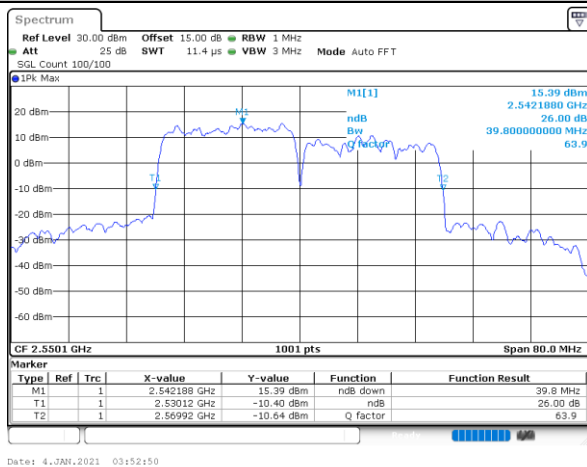
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MH

N/A



**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.57	23.43	28.47	32.45
Middle CH	28.11	23.18	28.35	32.80
Highest CH	27.69	23.33	28.29	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.66	37.08	-
Middle CH	27.87	32.73	37.64	-
Highest CH	27.87	33.01	37.80	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.57	23.53	28.83	32.73
Middle CH	27.87	23.48	28.59	32.66
Highest CH	27.81	23.33	28.53	32.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.81	32.59	37.40	-
Middle CH	27.93	32.38	37.96	-
Highest CH	27.87	32.03	37.24	-

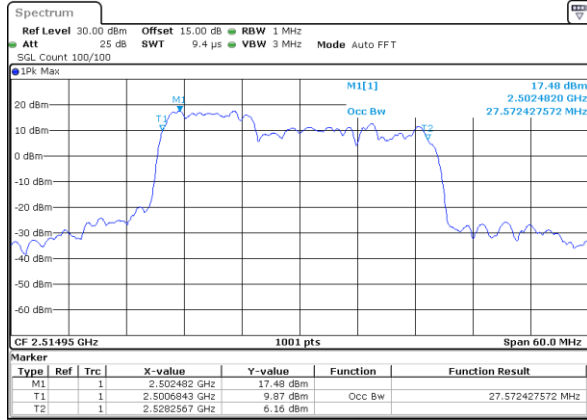
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.51	23.43	28.53	32.52
Middle CH	27.93	23.38	28.29	32.38
Highest CH	27.69	23.18	28.11	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.39	32.45	37.64	-
Middle CH	27.99	32.80	37.48	-
Highest CH	27.93	32.52	37.64	-



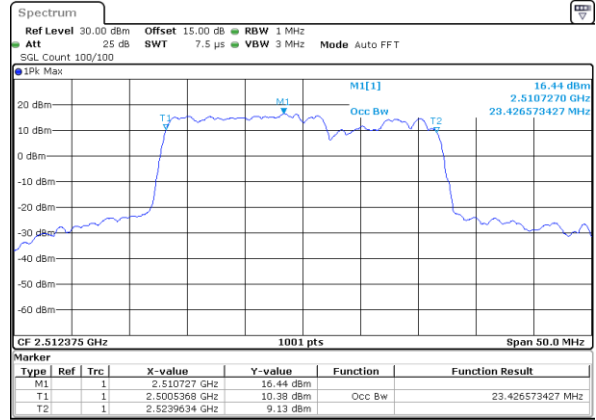
LTE Band 7C

QPSK

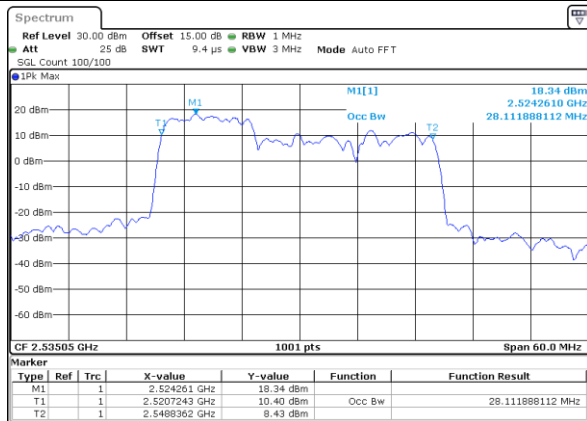
Lowest Channel / 10MHz+20MHz



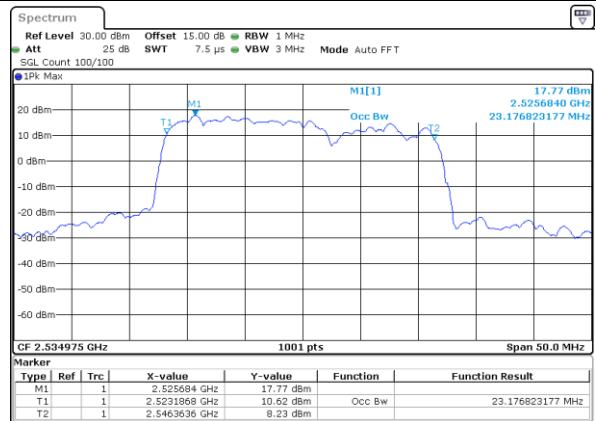
Lowest Channel / 15MHz+10MHz



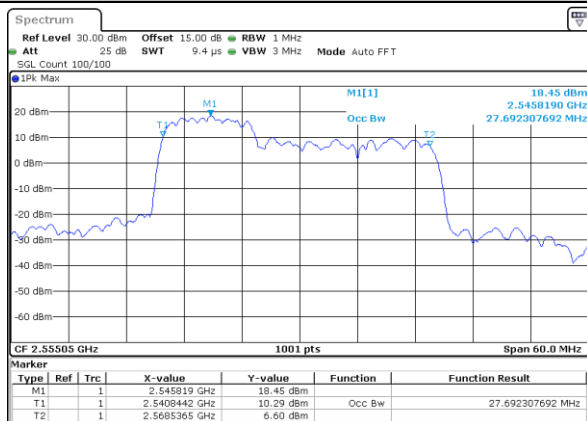
Middle Channel / 10MHz+20MHz



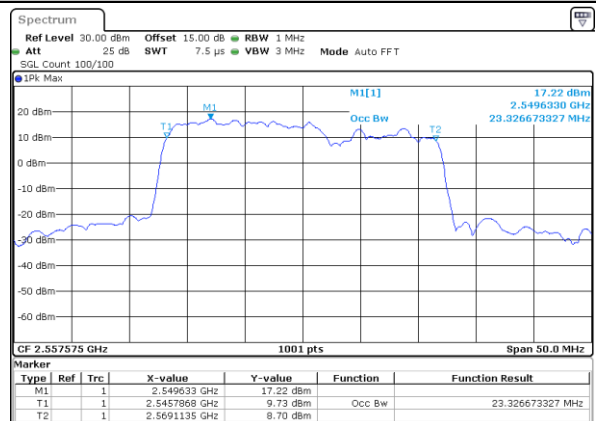
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

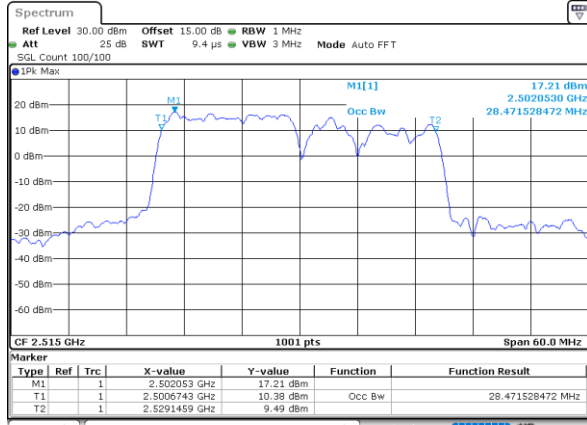




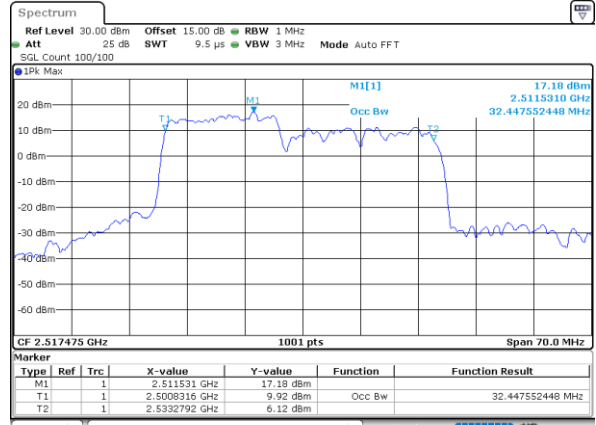
LTE Band 7C

QPSK

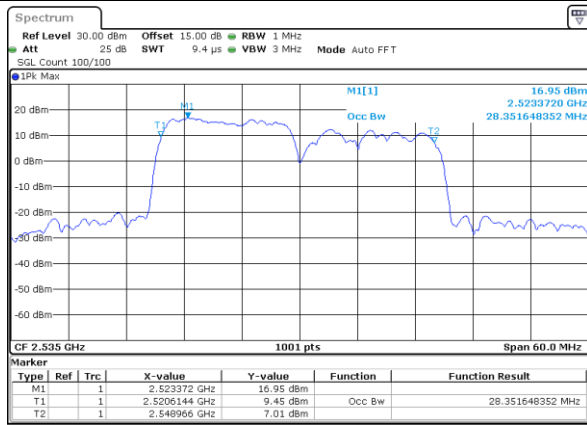
Lowest Channel / 15MHz+15MHz



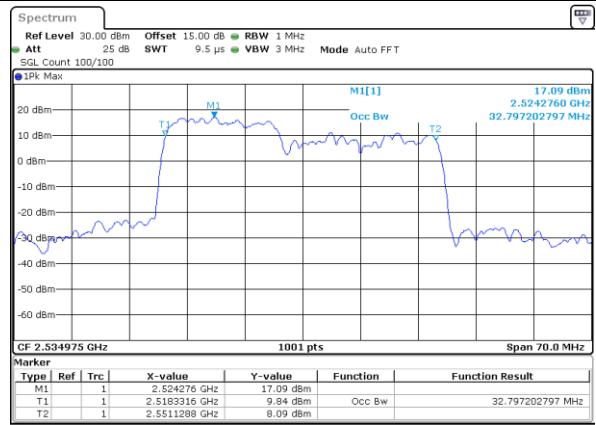
Lowest Channel / 15MHz+20MHz



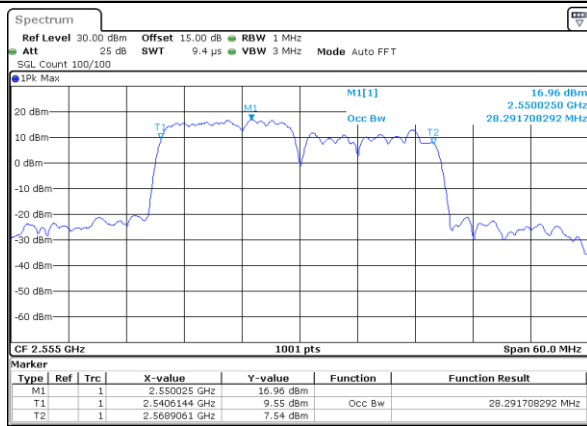
Middle Channel / 15MHz+15MHz



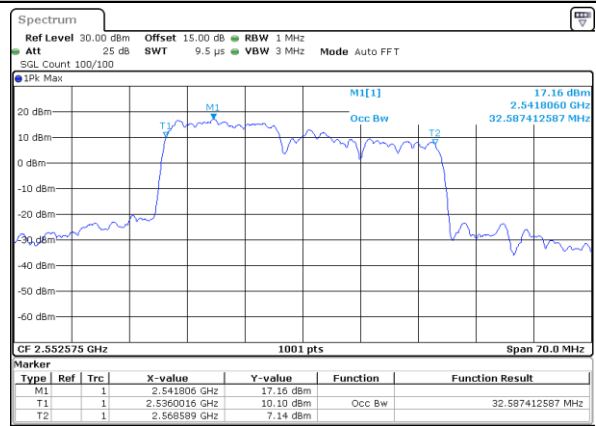
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

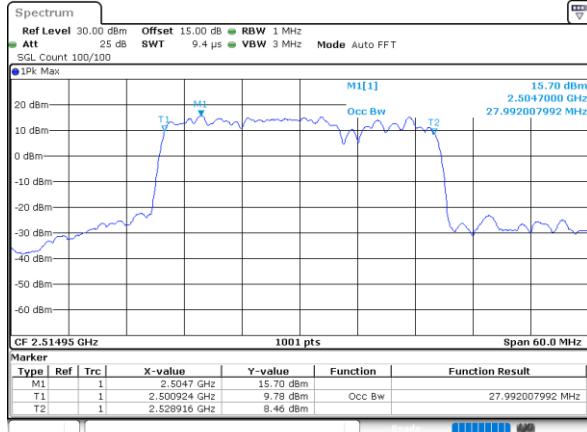




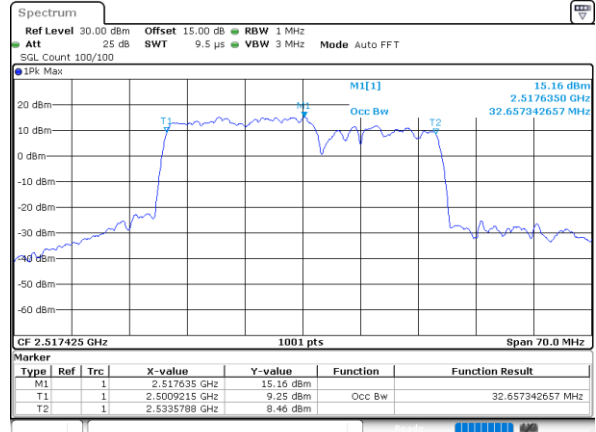
LTE Band 7C

QPSK

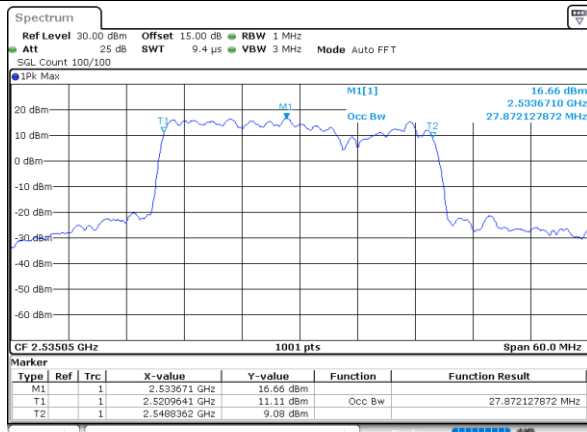
Lowest Channel / 20MHz+10MHz



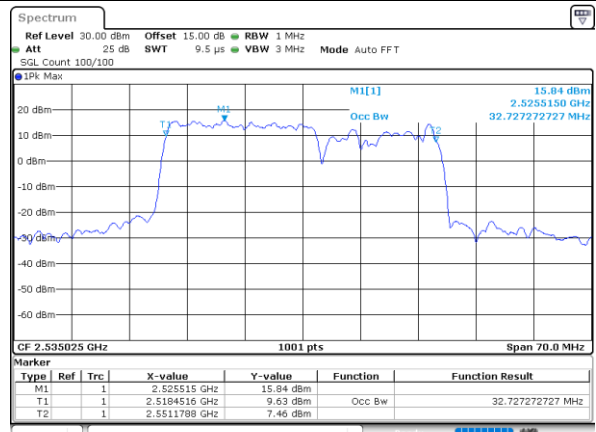
Lowest Channel / 20MHz+15MHz



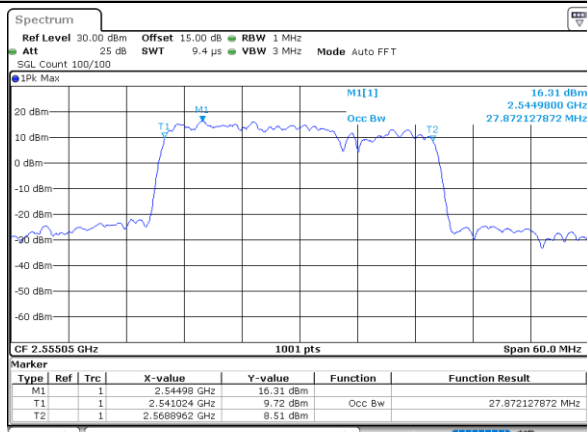
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz

