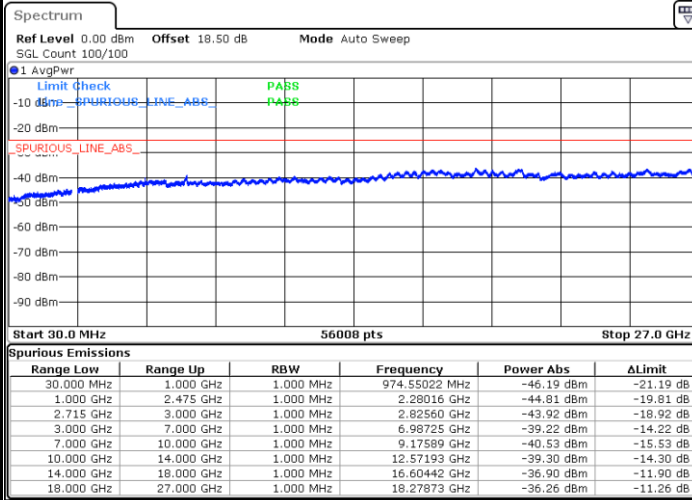




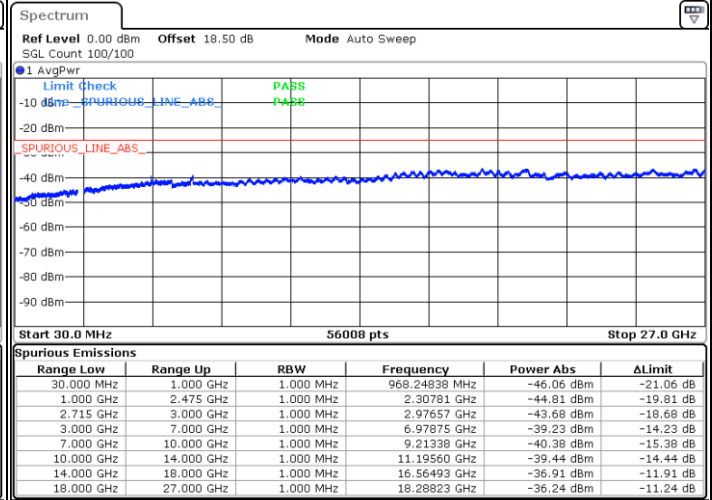
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 19.MAR.2020 16:58:08

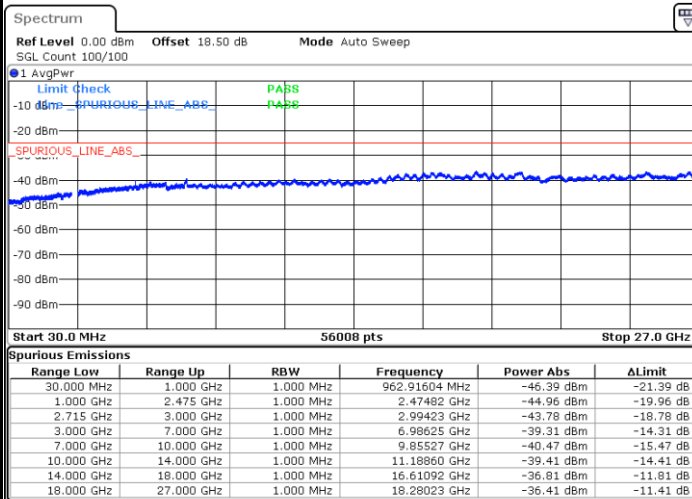
Highest Channel / 16QAM



Date: 19.MAR.2020 16:58:55

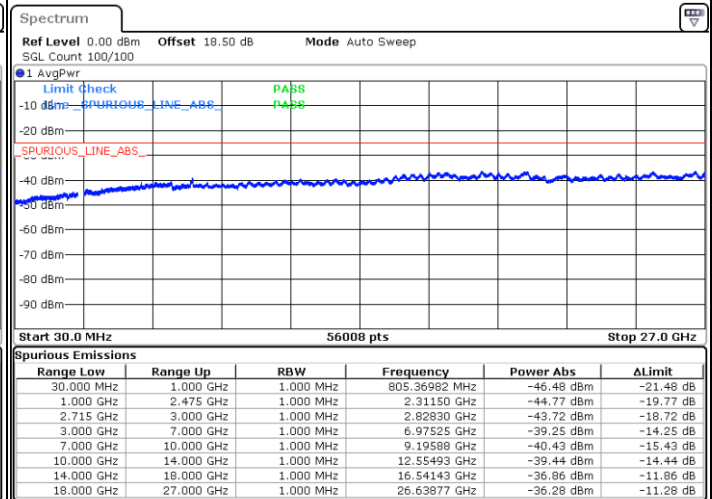
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 19.MAR.2020 17:02:04

Lowest Channel / 16QAM

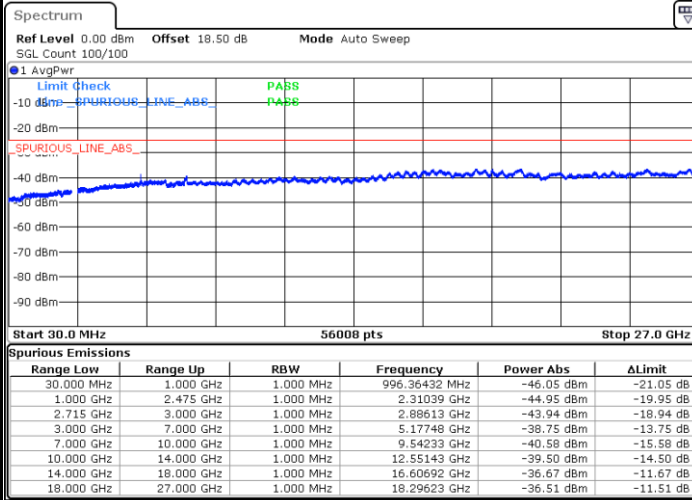


Date: 19.MAR.2020 17:02:51



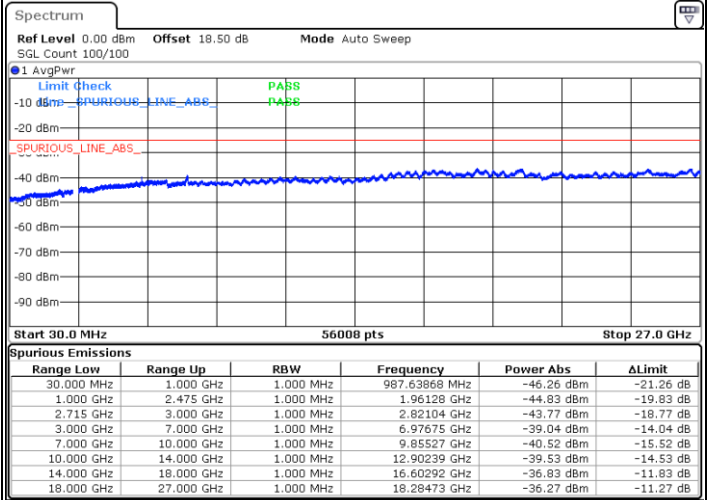
LTE Band 41 / 10MHz

Middle Channel / QPSK



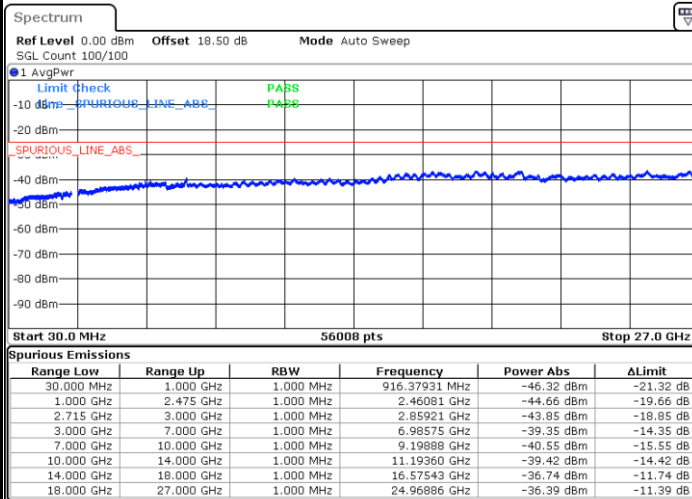
Date: 19.MAR.2020 17:03:19

Middle Channel / 16QAM



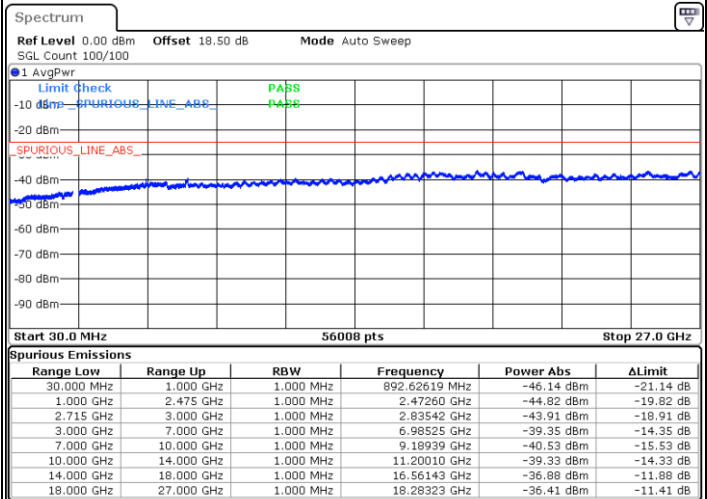
Date: 19.MAR.2020 17:04:26

Highest Channel / QPSK



Date: 19.MAR.2020 17:05:13

Highest Channel / 16QAM

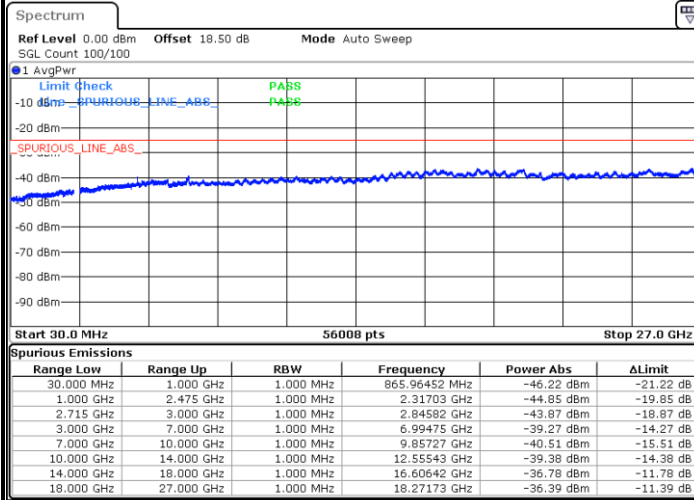


Date: 19.MAR.2020 17:06:00



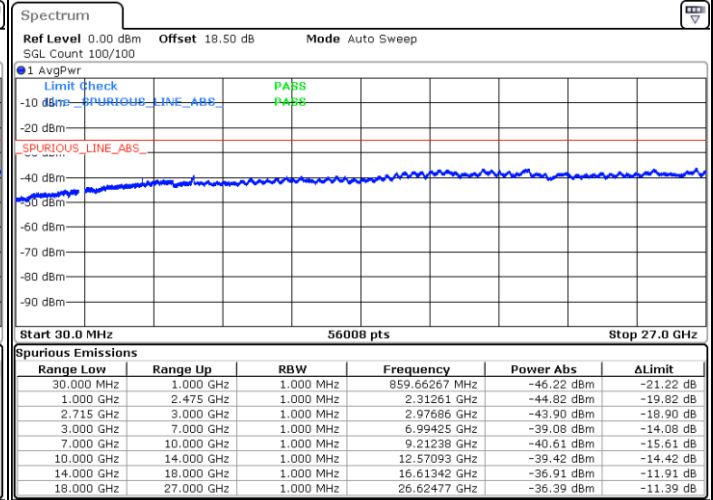
LTE Band 41 / 15MHz

Lowest Channel / QPSK



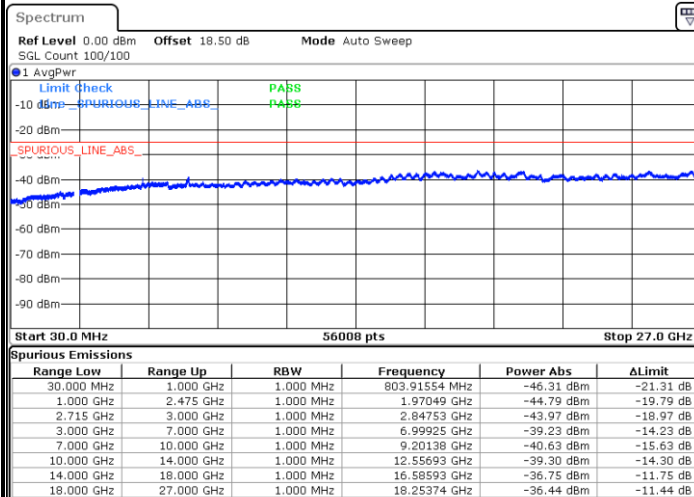
Date: 19.MAR.2020 17:06:47

Lowest Channel / 16QAM



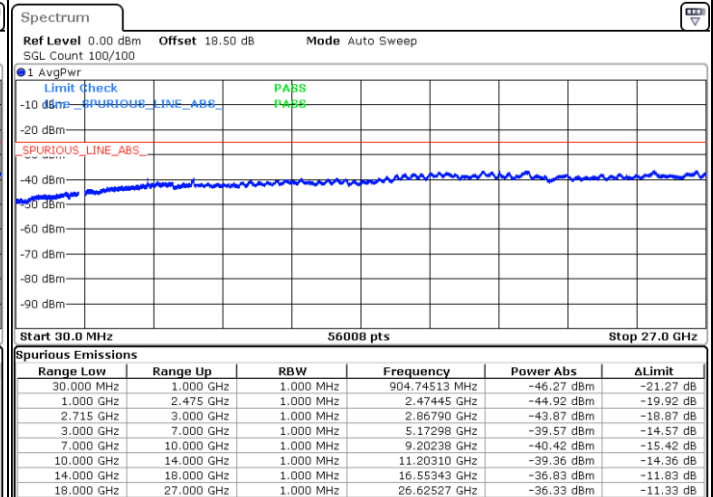
Date: 19.MAR.2020 17:07:34

Middle Channel / QPSK



Date: 19.MAR.2020 17:08:22

Middle Channel / 16QAM

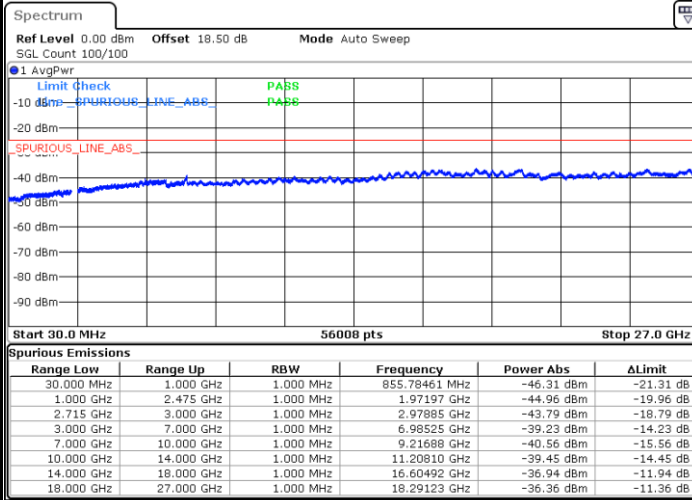


Date: 19.MAR.2020 17:09:09



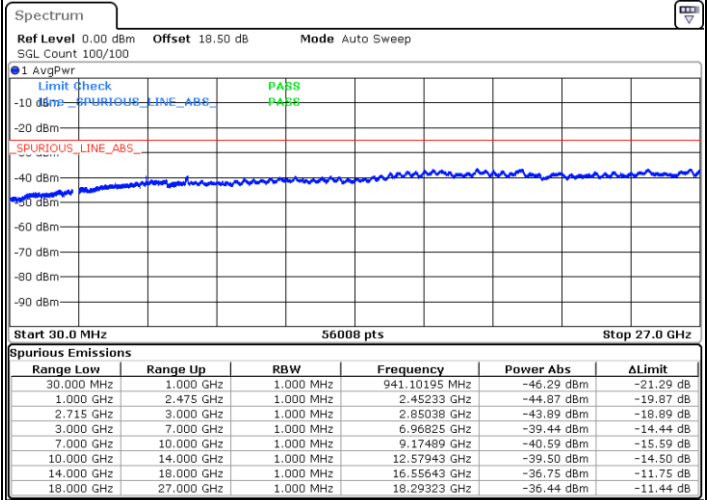
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 19.MAR.2020 17:09:56

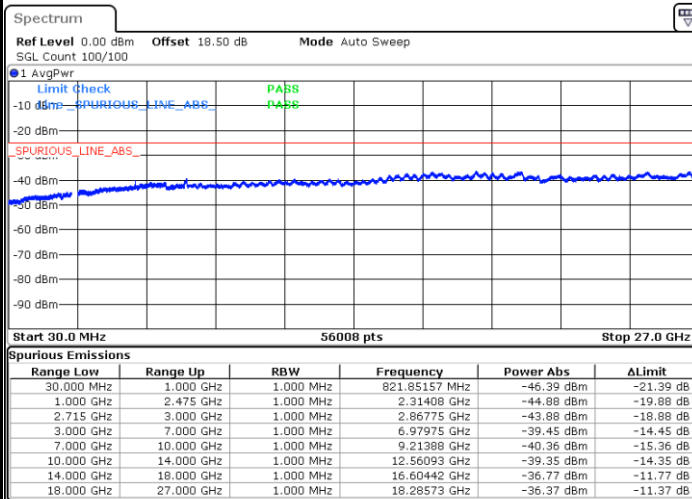
Highest Channel / 16QAM



Date: 19.MAR.2020 17:10:43

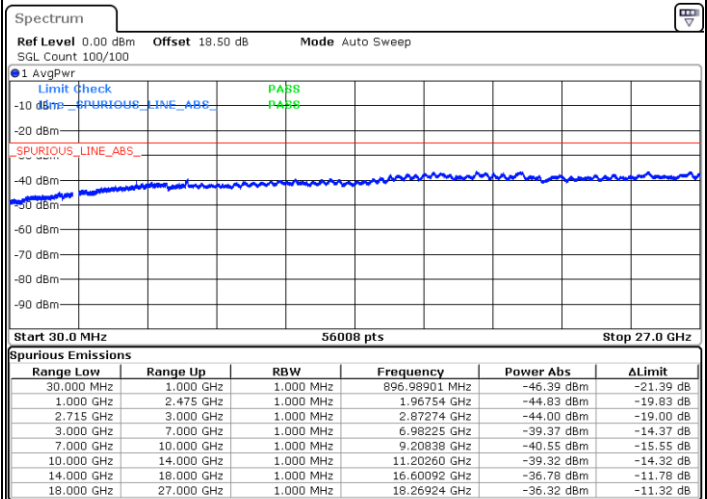
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 19.MAR.2020 17:16:13

Lowest Channel / 16QAM

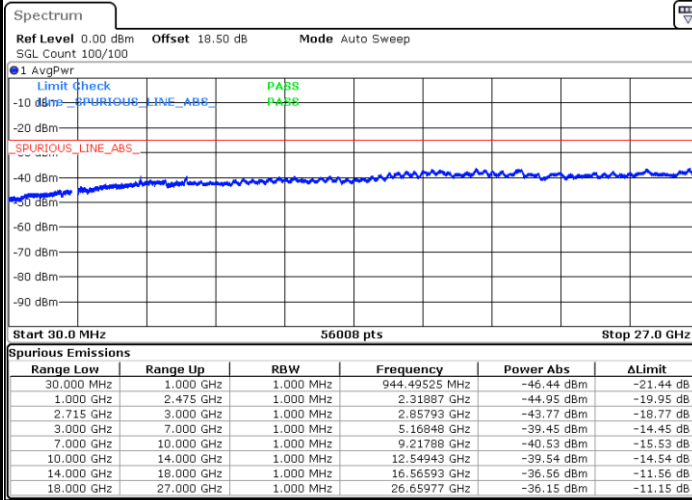


Date: 19.MAR.2020 17:17:00



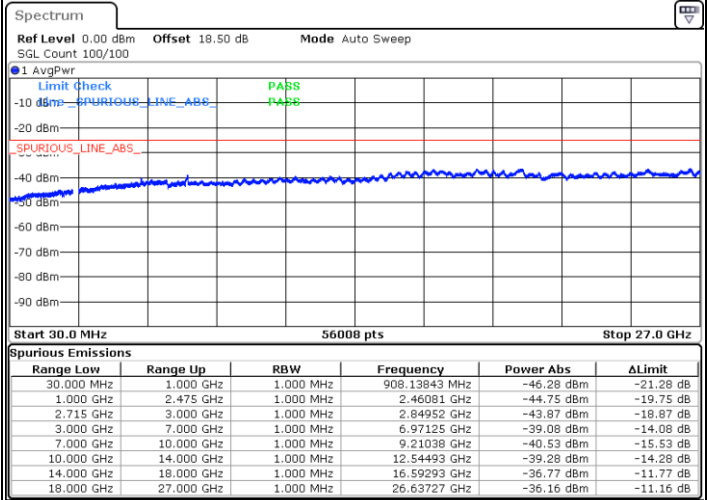
LTE Band 41 / 20MHz

Middle Channel / QPSK



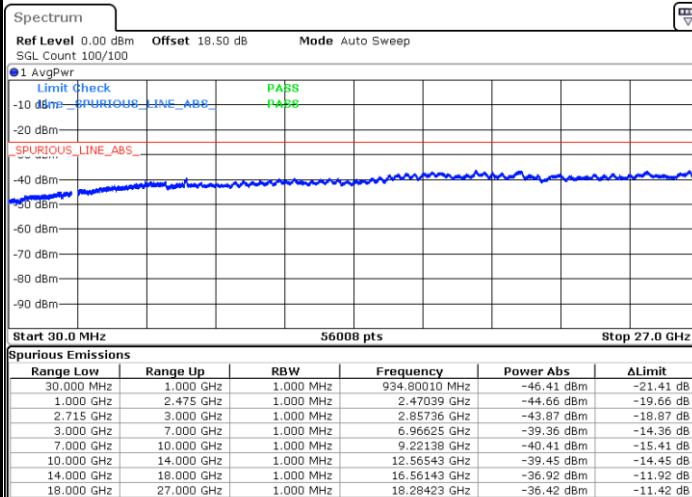
Date: 19.MAR.2020 17:17:48

Middle Channel / 16QAM



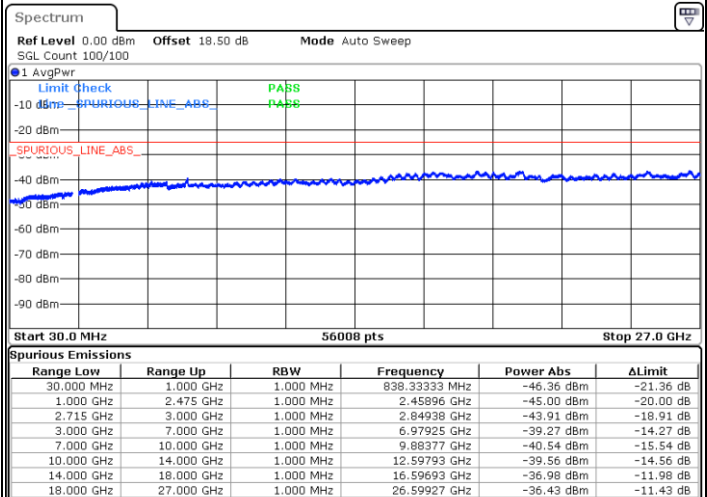
Date: 19.MAR.2020 17:18:35

Highest Channel / QPSK



Date: 19.MAR.2020 17:19:22

Highest Channel / 16QAM



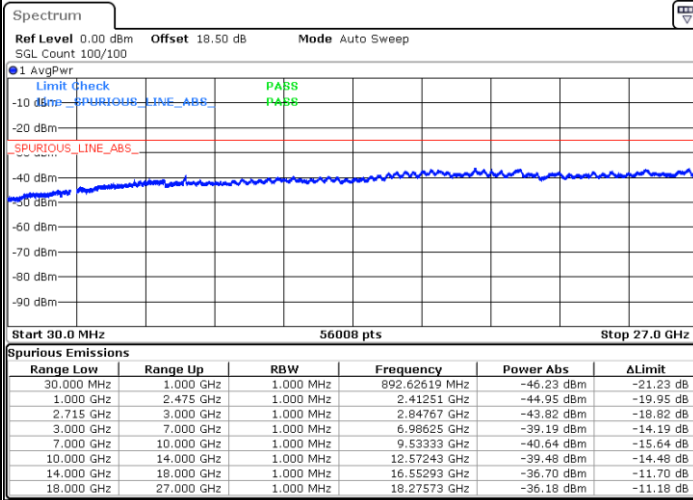
Date: 19.MAR.2020 17:20:08



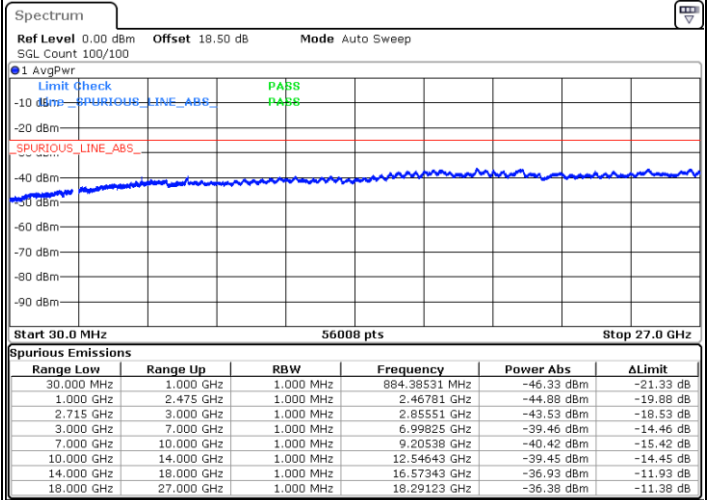
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

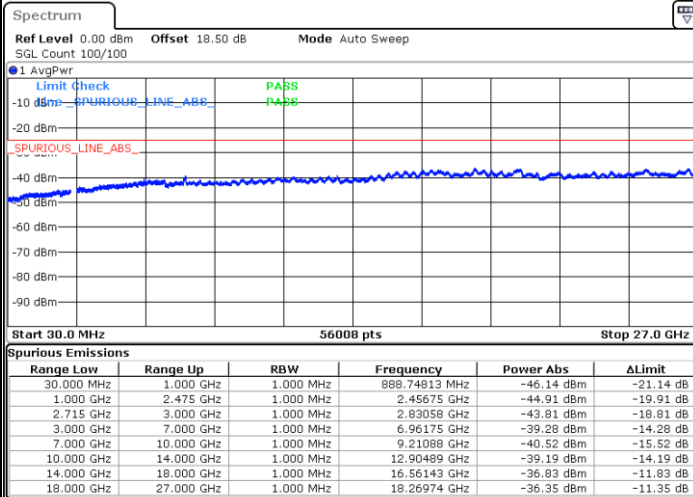


Date: 19.MAR.2020 16:52:37



Date: 19.MAR.2020 16:53:24

Highest Channel / 64QAM

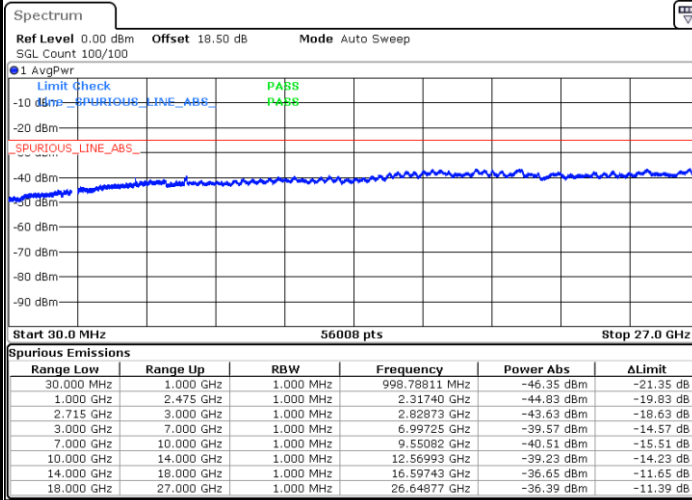


Date: 19.MAR.2020 16:54:12



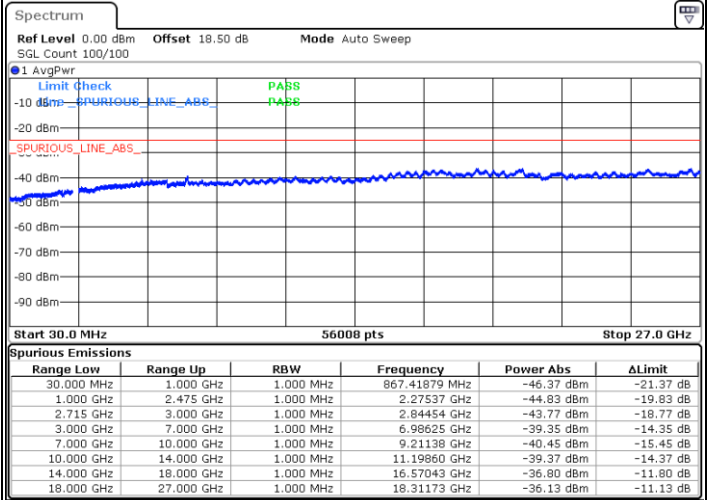
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



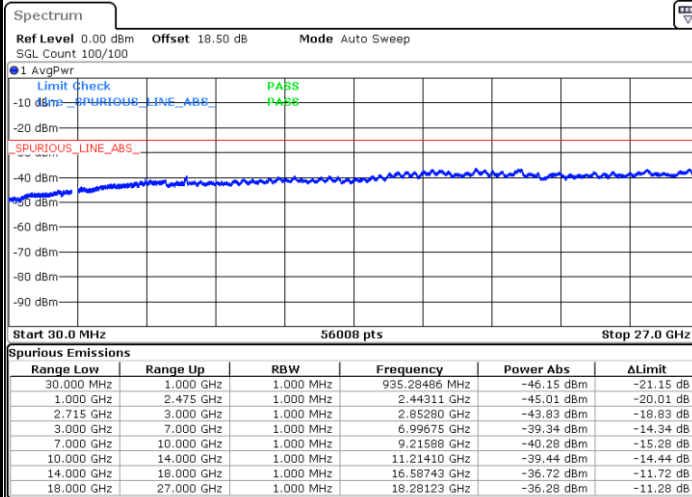
Date: 19.MAR.2020 16:59:42

Middle Channel / 64QAM



Date: 19.MAR.2020 17:00:30

Highest Channel / 64QAM

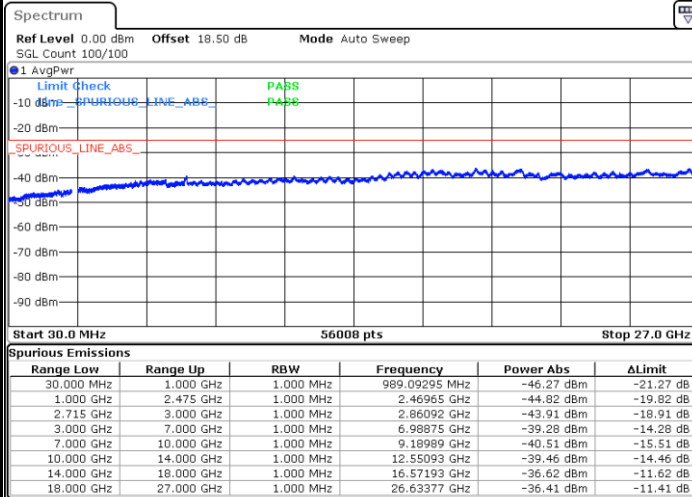


Date: 19.MAR.2020 17:01:17



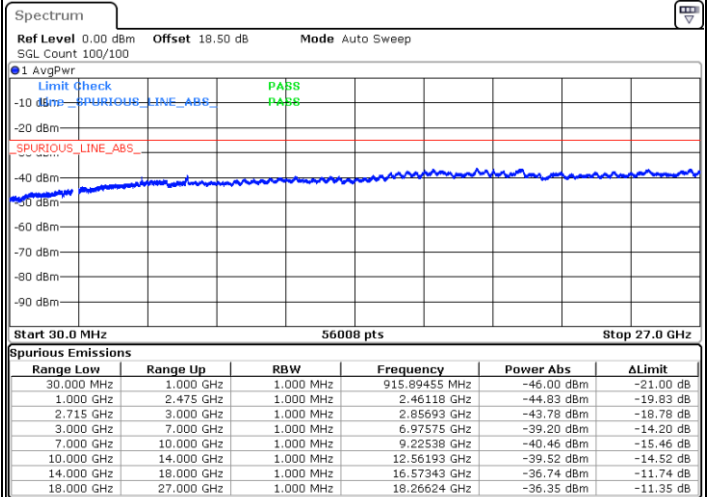
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



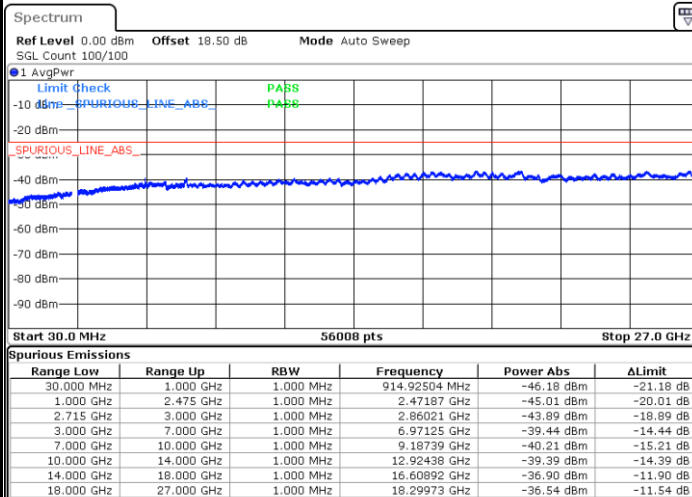
Date: 19.MAR.2020 17:11:30

Middle Channel / 64QAM



Date: 19.MAR.2020 17:12:17

Highest Channel / 64QAM

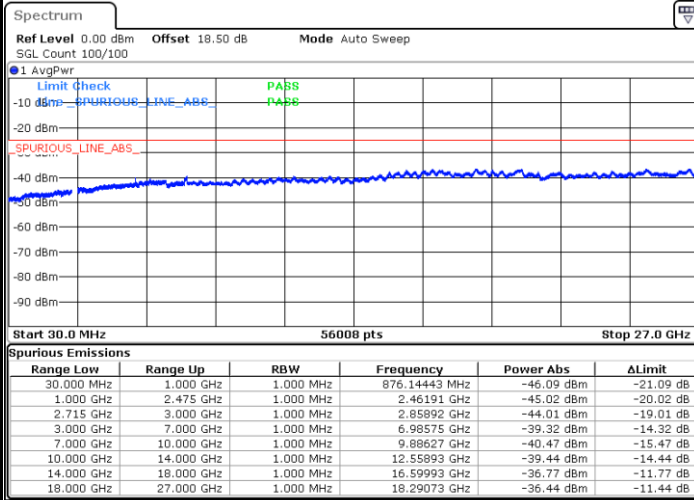


Date: 19.MAR.2020 17:13:04



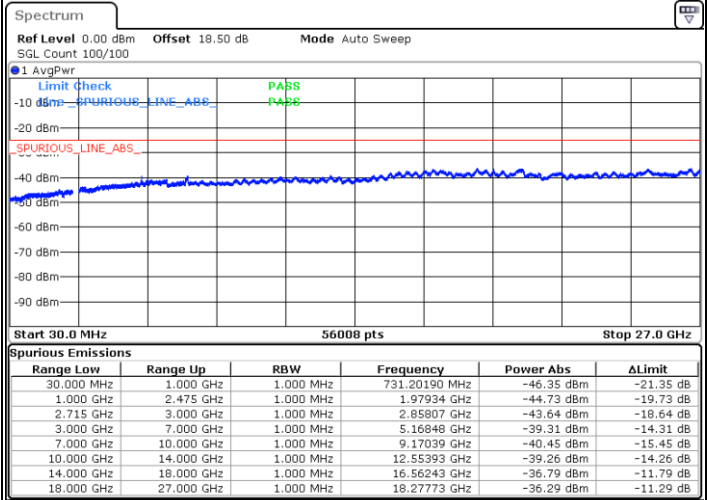
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



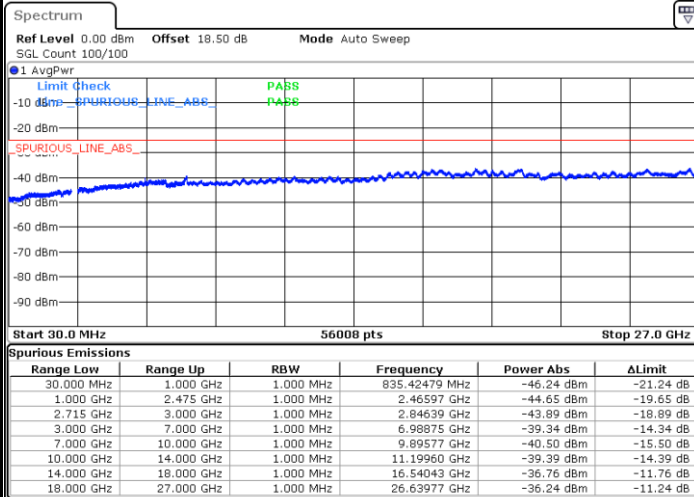
Date: 19.MAR.2020 17:13:51

Middle Channel / 64QAM



Date: 19.MAR.2020 17:14:39

Highest Channel / 64QAM



Date: 19.MAR.2020 17:15:26

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0067	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0108	
-10	Normal Voltage	0.0151	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 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	29.91	25.38	30.33	34.90
Middle CH	29.91	25.52	30.63	34.90
Highest CH	30.03	25.43	30.33	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.85	35.18	39.88	-
Middle CH	30.09	35.18	39.96	-
Highest CH	29.85	35.04	39.96	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.38	30.45	34.83
Middle CH	29.91	25.38	30.57	34.83
Highest CH	29.85	25.38	30.51	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.04	39.96	-
Middle CH	29.97	34.97	39.96	-
Highest CH	29.91	34.83	39.80	-

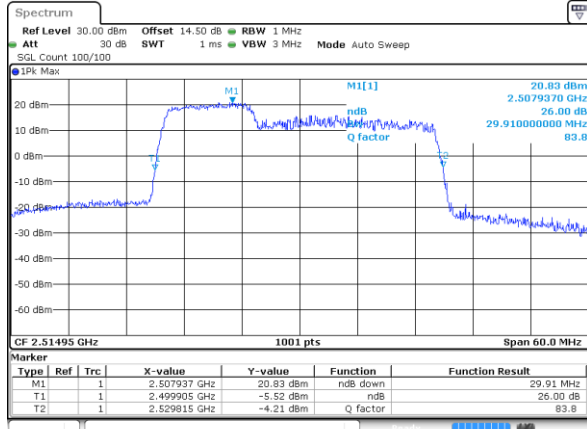
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.38	30.45	34.83
Middle CH	29.85	25.28	30.51	34.76
Highest CH	29.85	25.28	30.39	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.79	34.90	39.88	-
Middle CH	30.09	34.83	39.80	-
Highest CH	29.85	34.76	39.72	-



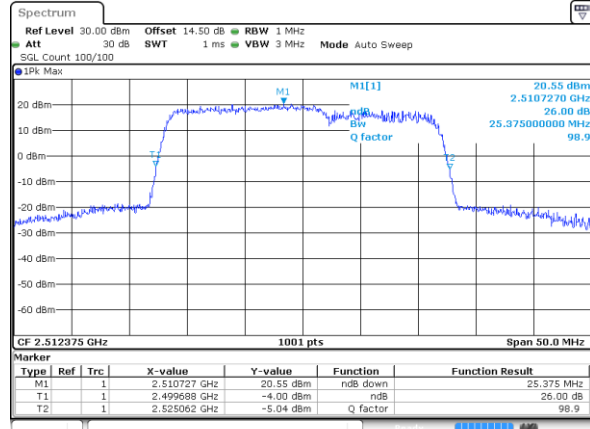
LTE Band 7C

QPSK

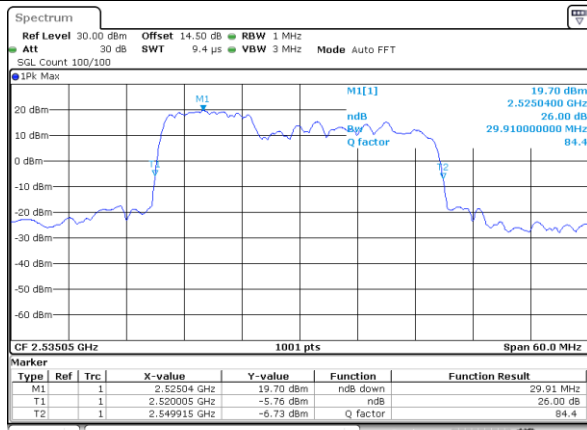
Lowest Channel / 10MHz+20MHz



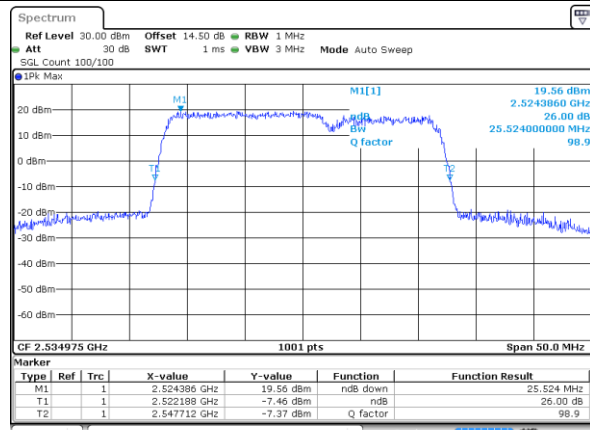
Lowest Channel / 15MHz+10MHz



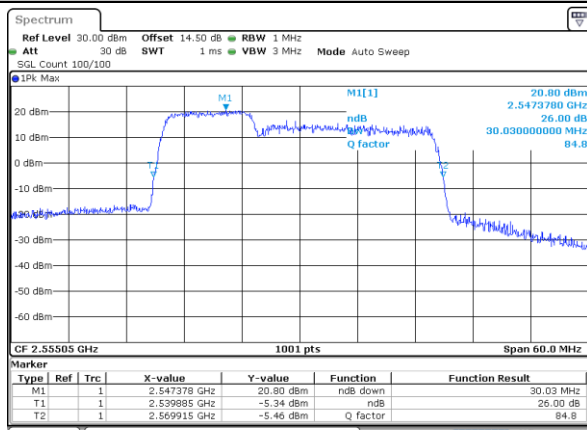
Middle Channel / 10MHz+20MHz



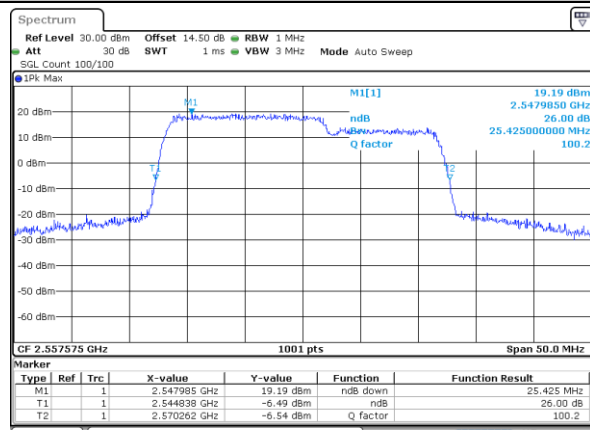
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

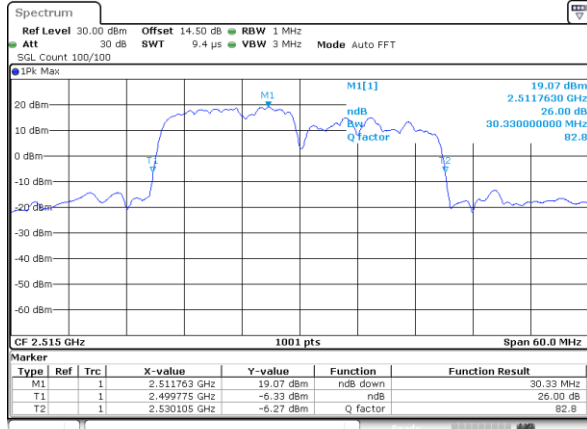




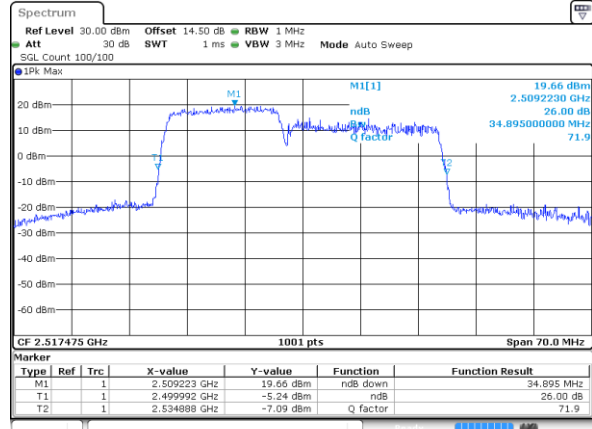
LTE Band 7C

QPSK

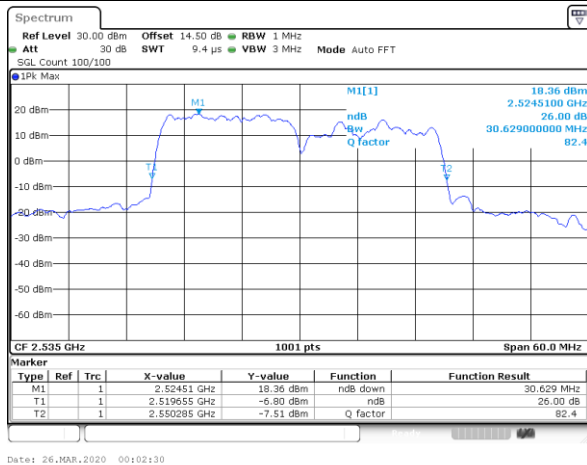
Lowest Channel / 15MHz+15MHz



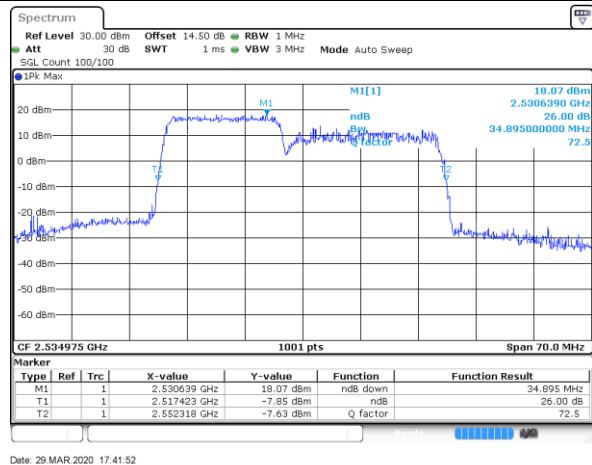
Lowest Channel / 15MHz+20MHz



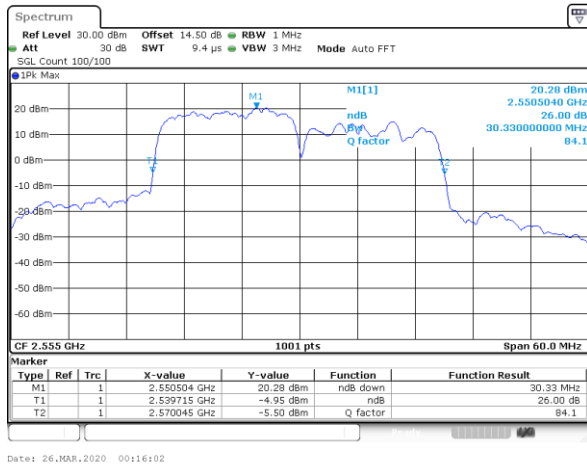
Middle Channel / 15MHz+15MHz



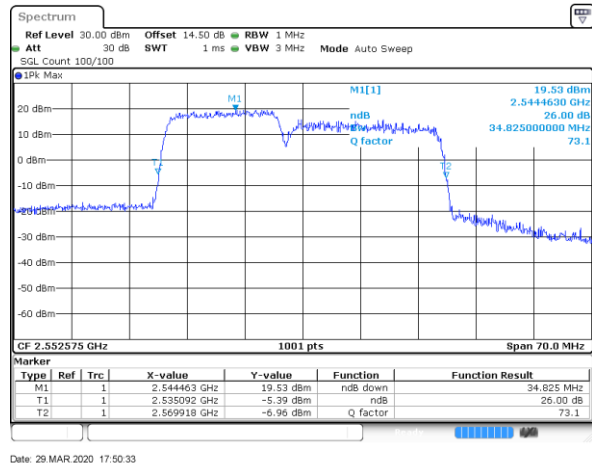
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

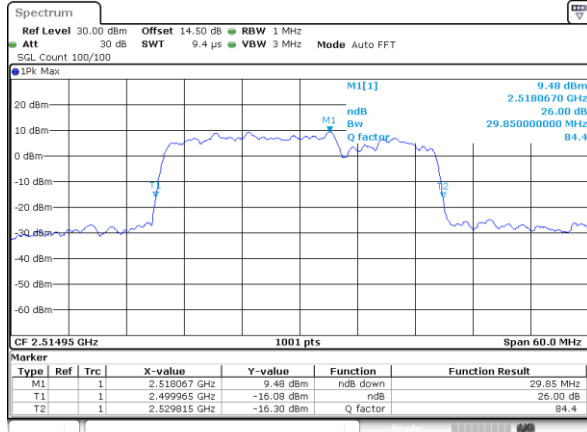




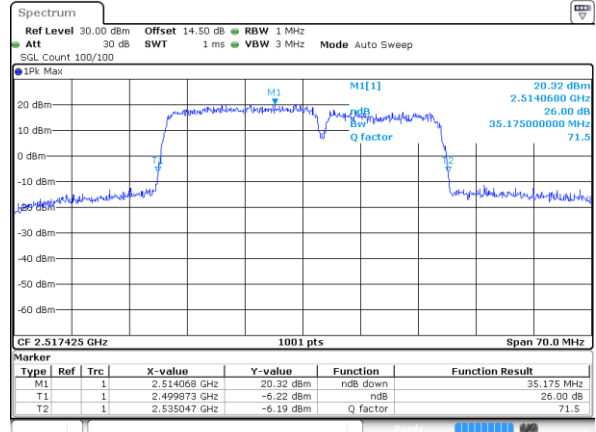
LTE Band 7C

QPSK

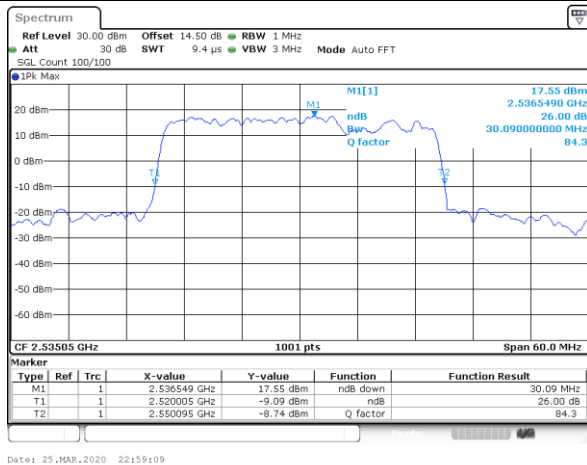
Lowest Channel / 20MHz+10MHz



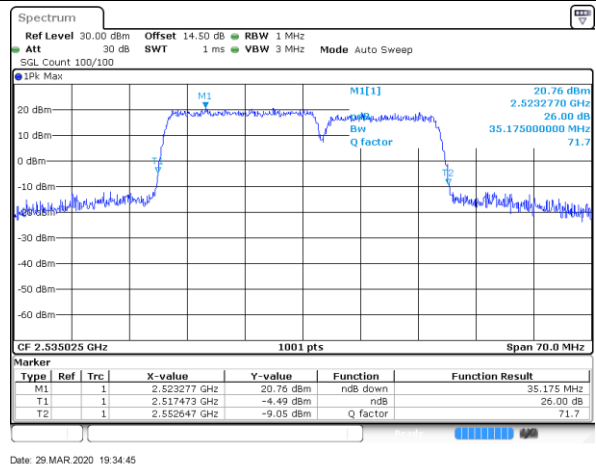
Lowest Channel / 20MHz+15MHz



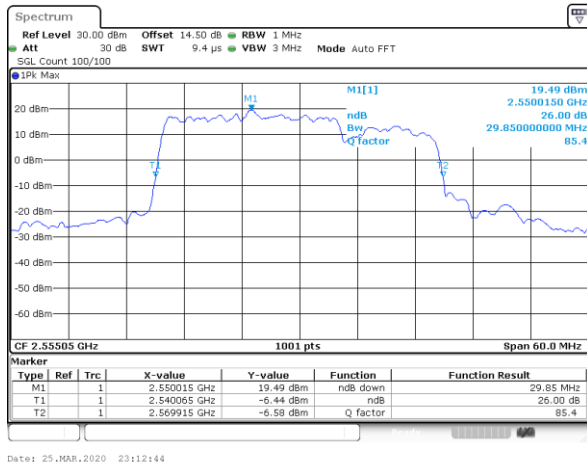
Middle Channel / 20MHz+10MHz



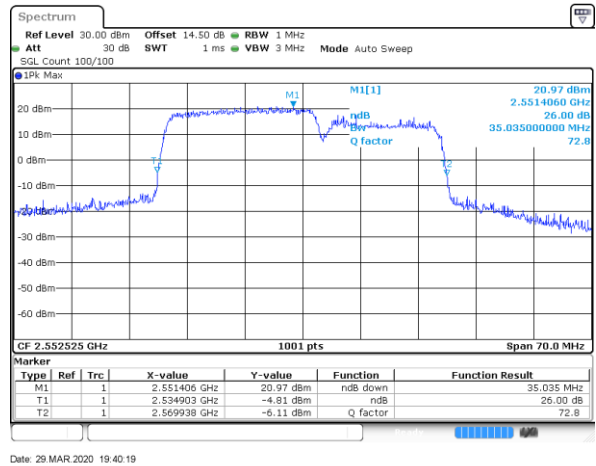
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



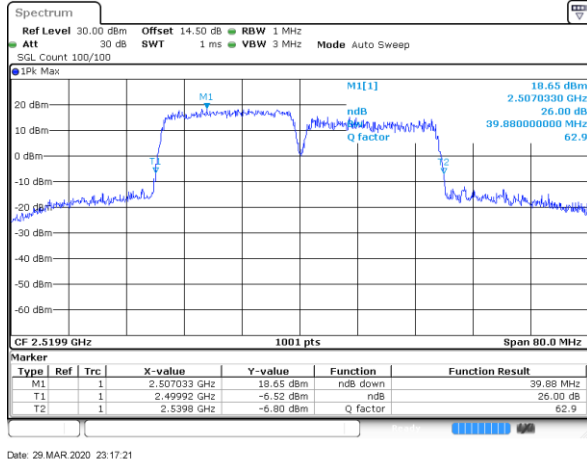


LTE Band 7C

QPSK

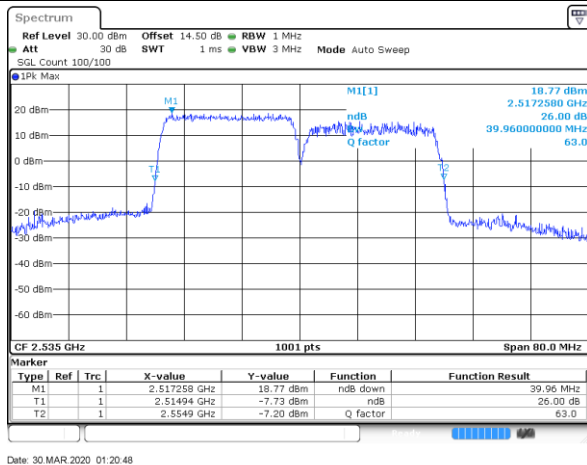
Lowest Channel / 20MHz+20MHz

N/A



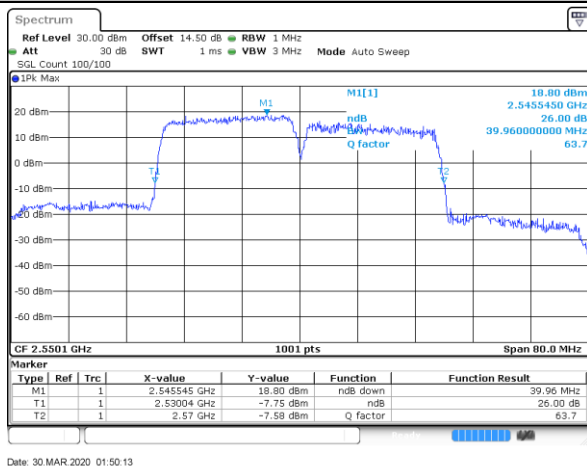
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

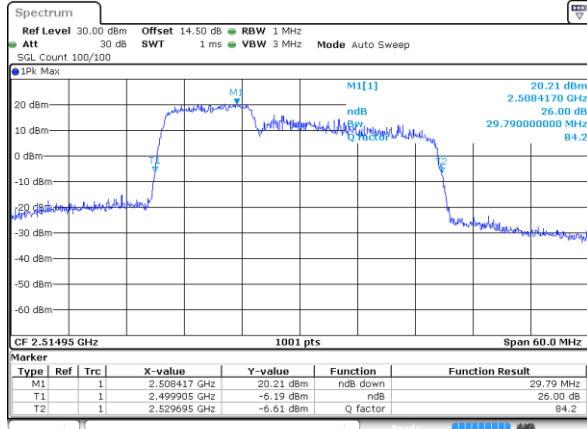




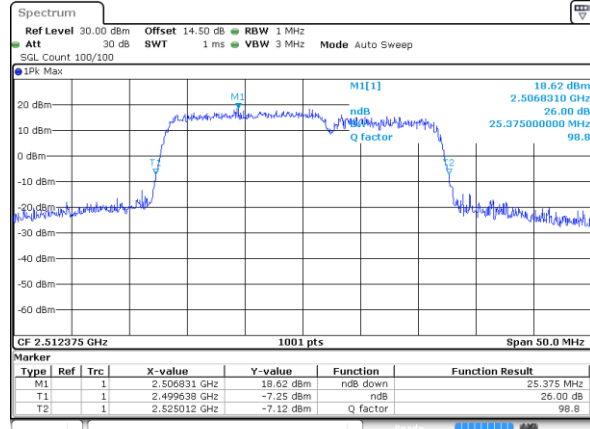
LTE Band 7C

16QAM

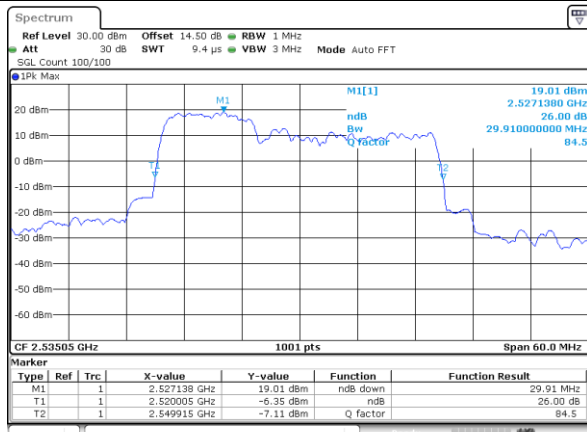
Lowest Channel / 10MHz+20MHz



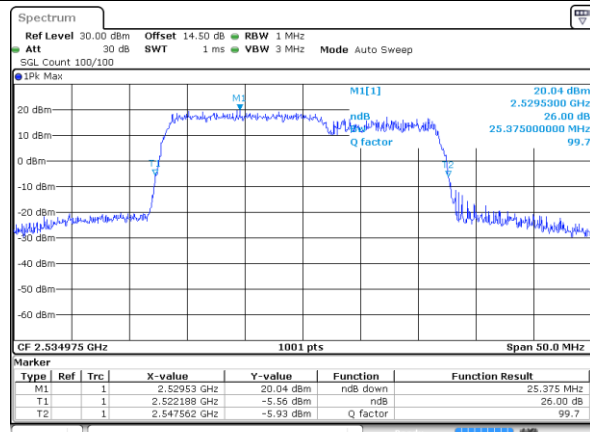
Lowest Channel / 15MHz+10MHz



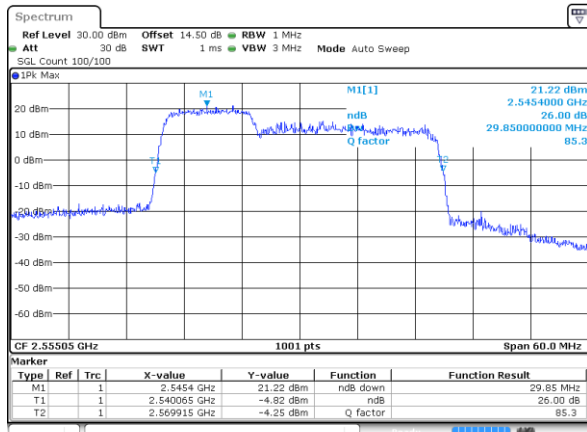
Middle Channel / 10MHz+20MHz



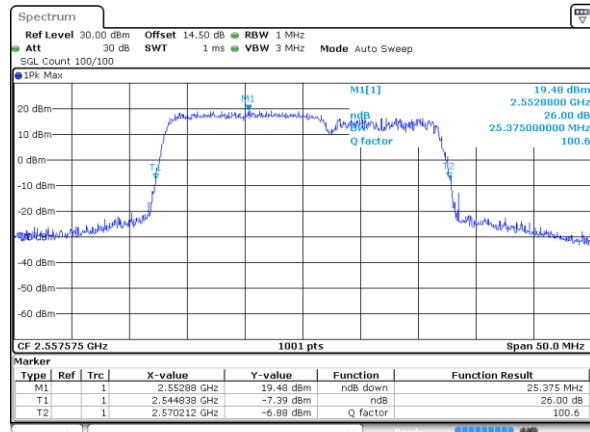
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

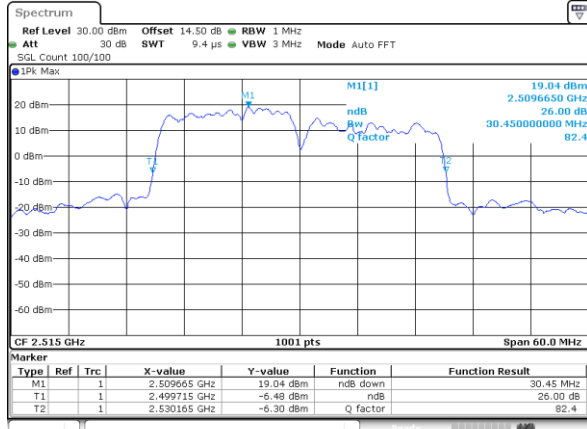




LTE Band 7C

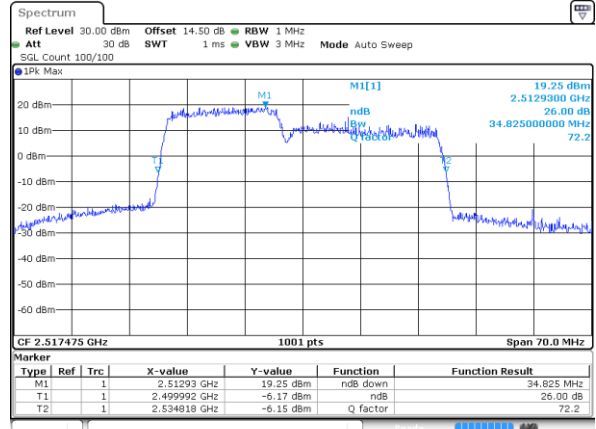
16QAM

Lowest Channel / 15MHz+15MHz



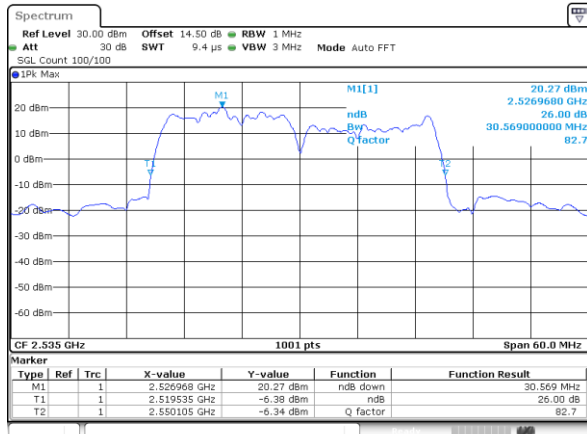
Date: 25.MAR.2020 23:39:27

Lowest Channel / 15MHz+20MHz



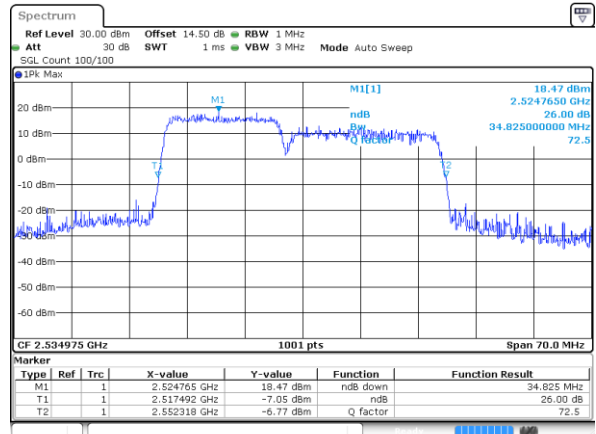
Date: 29 MAR 2020 17:03:15

Middle Channel / 15MHz+15MHz



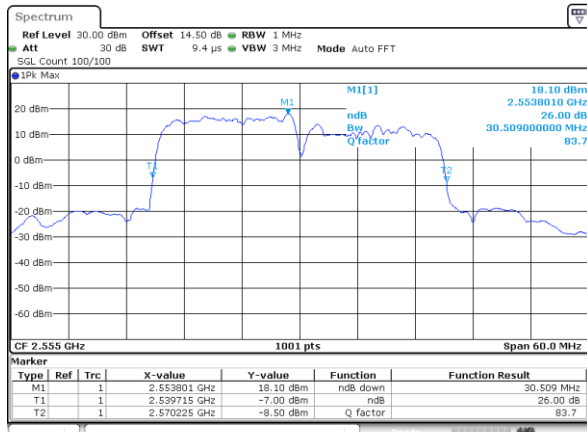
Date: 26.MAR.2020 00:01:57

Middle Channel / 15MHz+20MHz



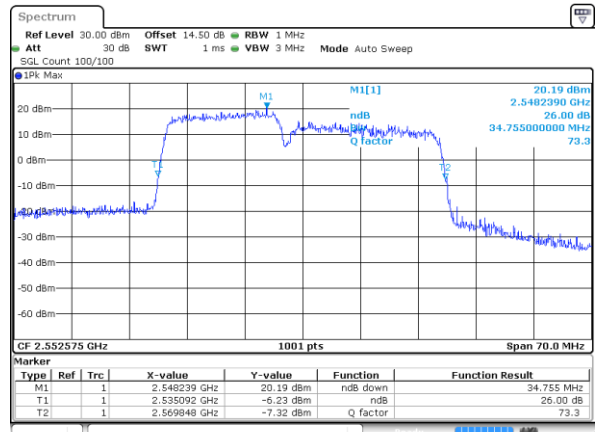
Date: 29 MAR 2020 17:38:46

Highest Channel / 15MHz+15MHz



Date: 26.MAR.2020 00:16:34

Highest Channel / 15MHz+20MHz



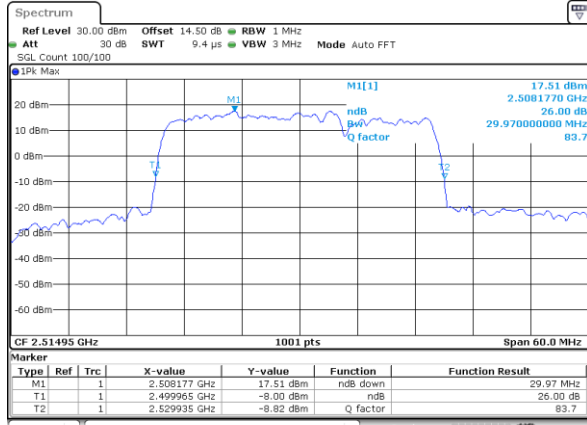
Date: 29 MAR 2020 17:55:58



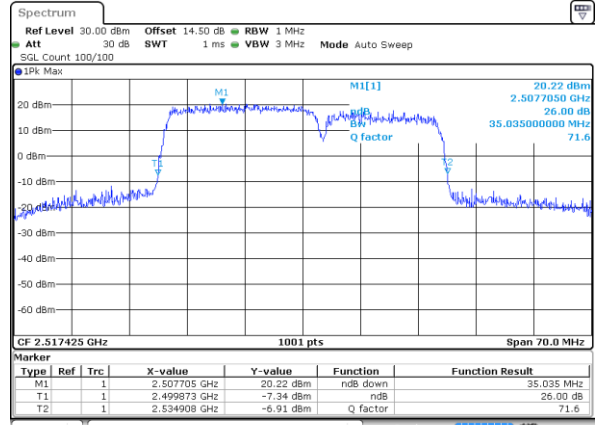
LTE Band 7C

16QAM

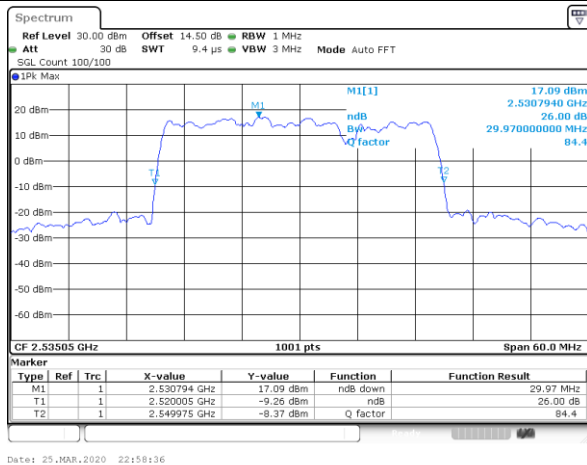
Lowest Channel / 20MHz+10MHz



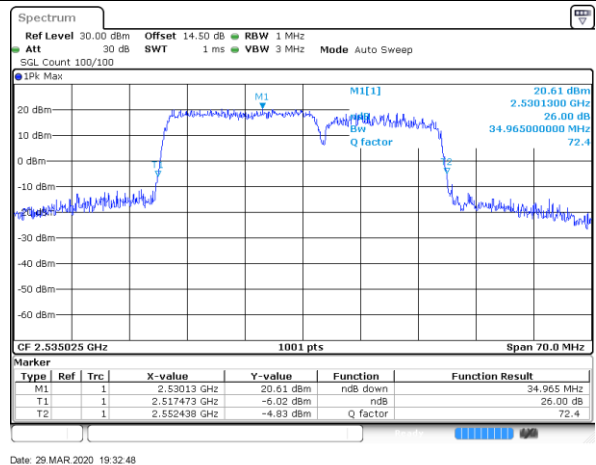
Lowest Channel / 20MHz+15MHz



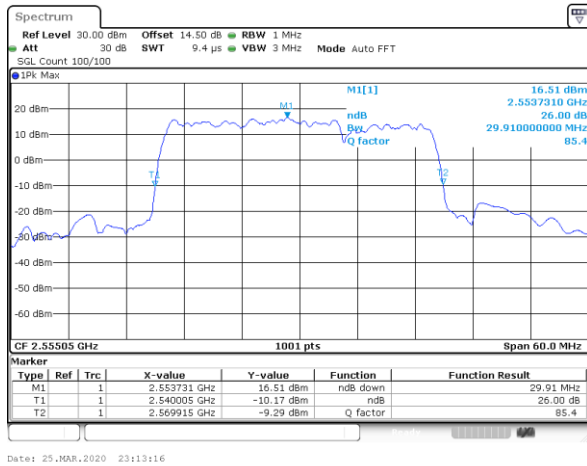
Middle Channel / 20MHz+10MHz



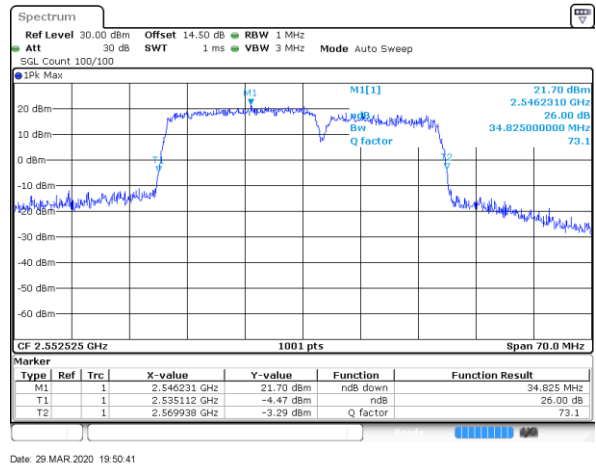
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



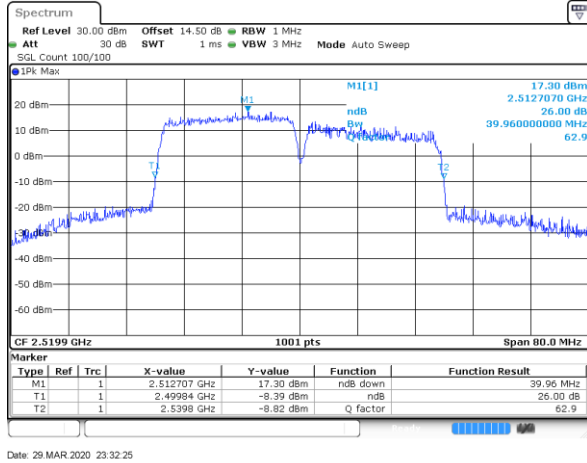


LTE Band 7C

16QAM

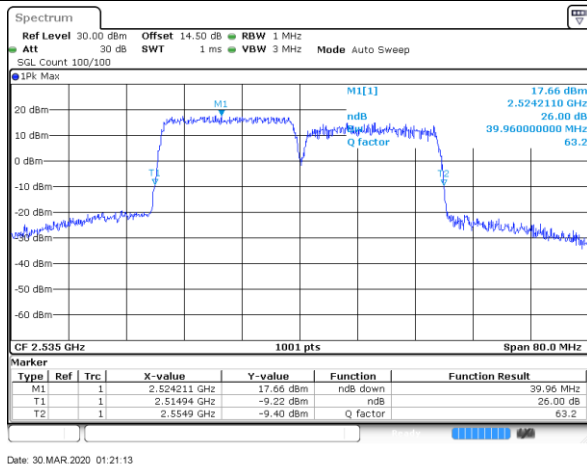
Lowest Channel / 20MHz+20MHz

N/A



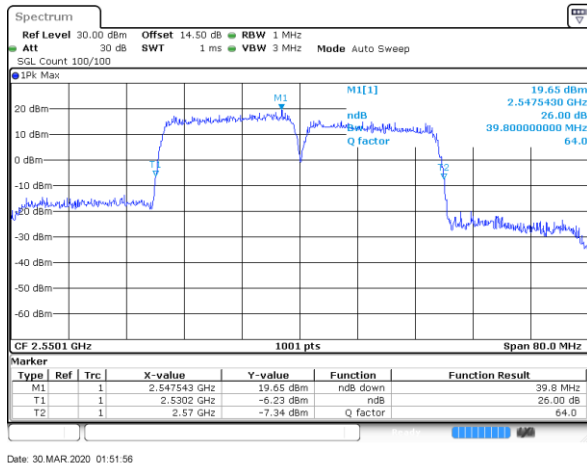
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

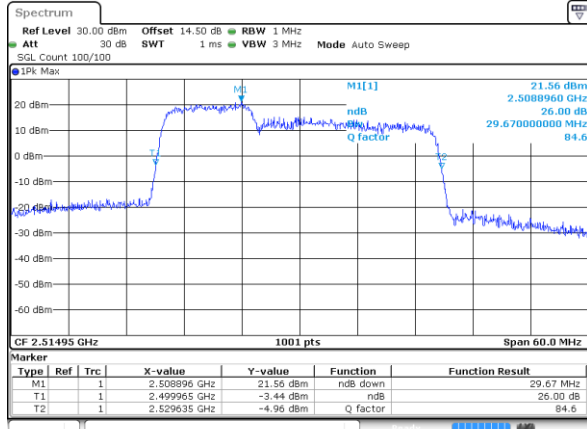




LTE Band 7C

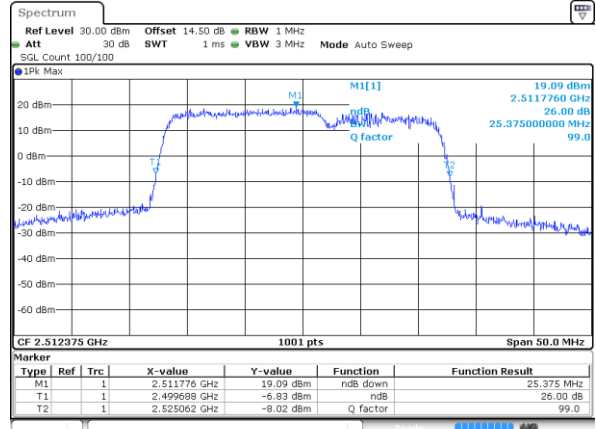
64QAM

Lowest Channel / 10MHz+20MHz



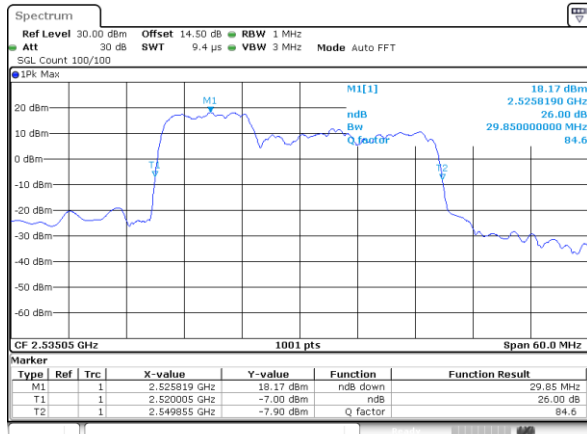
Date: 29 MAR 2020 20:48:11

Lowest Channel / 15MHz+10MHz



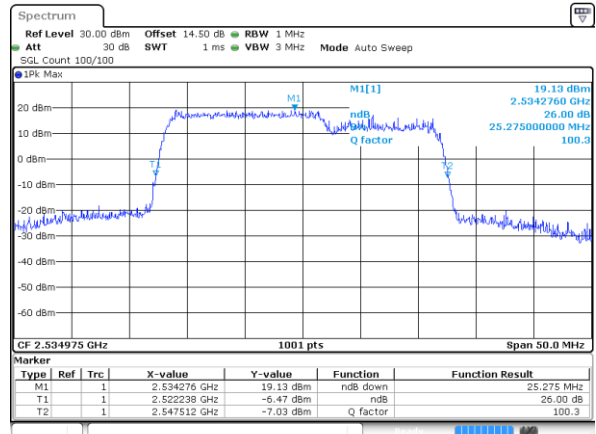
Date: 29 MAR 2020 21:48:22

Middle Channel / 10MHz+20MHz



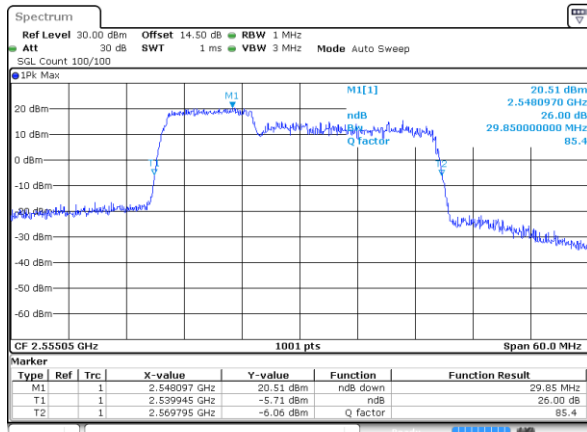
Date: 25 MAR 2020 21:46:46

Middle Channel / 15MHz+10MHz



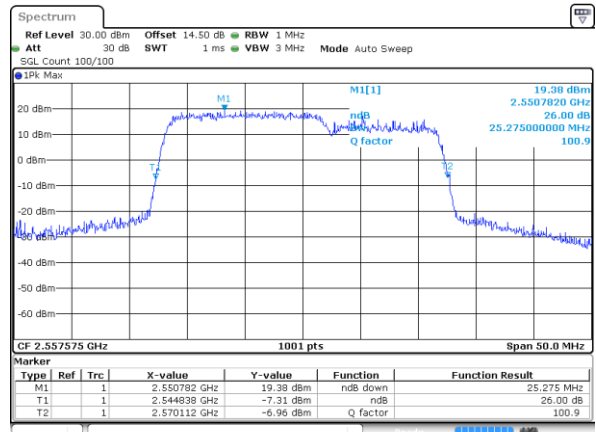
Date: 29 MAR 2020 22:11:49

Highest Channel / 10MHz+20MHz



Date: 29 MAR 2020 21:25:48

Highest Channel / 15MHz+10MHz



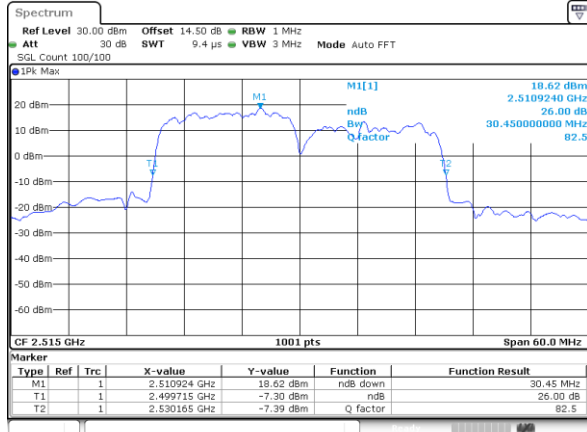
Date: 29 MAR 2020 22:13:46



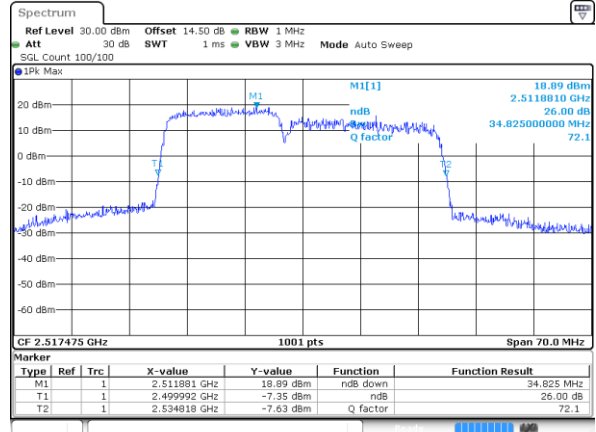
LTE Band 7C

64QAM

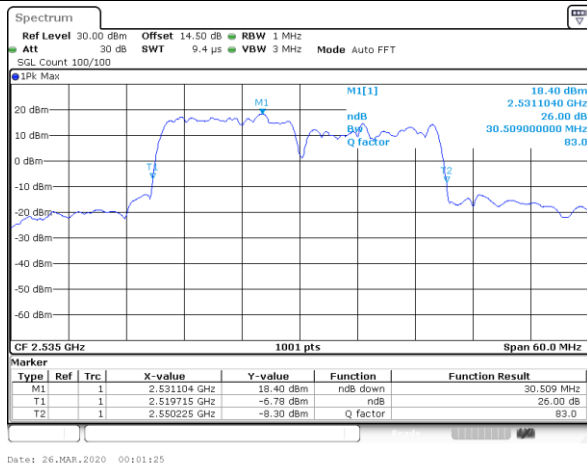
Lowest Channel / 15MHz+15MHz



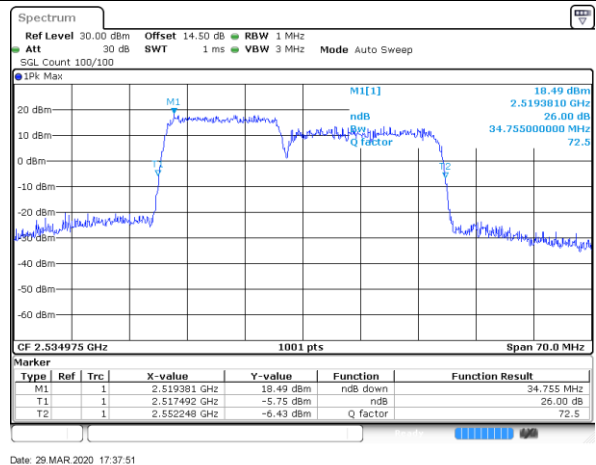
Lowest Channel / 15MHz+20MHz



Middle Channel / 15MHz+15MHz



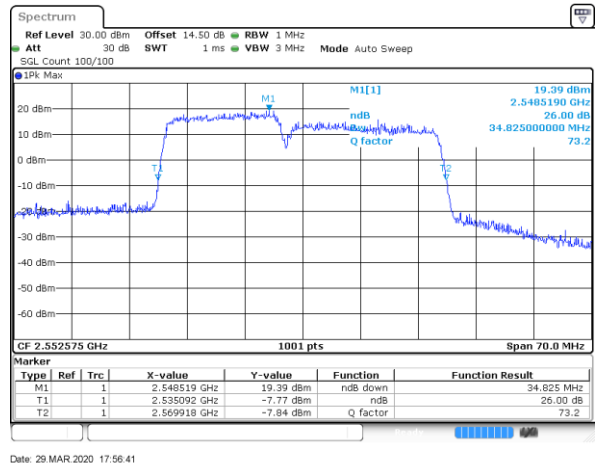
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz

[PIC_26dB_Band7_15M15M_H_64QAM]

Highest Channel / 15MHz+20MHz

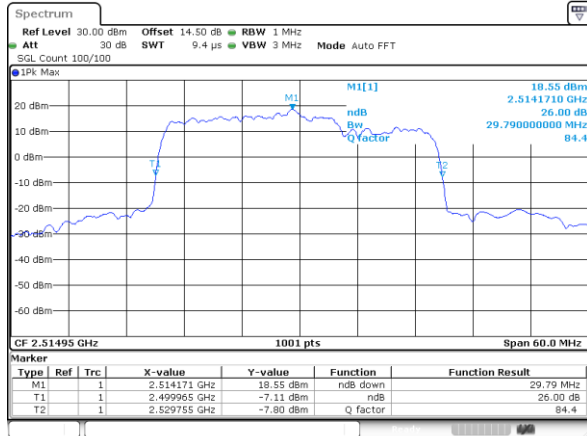




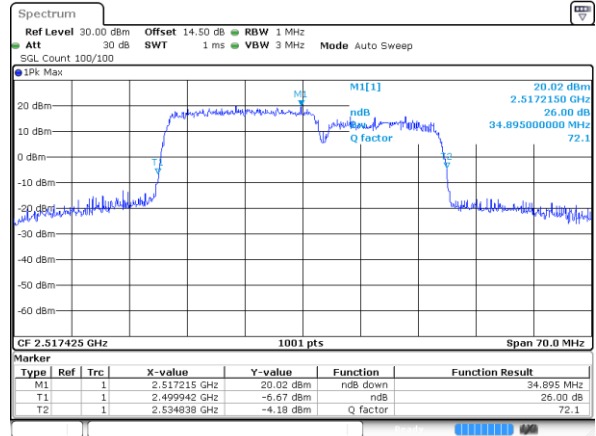
LTE Band 7C

64QAM

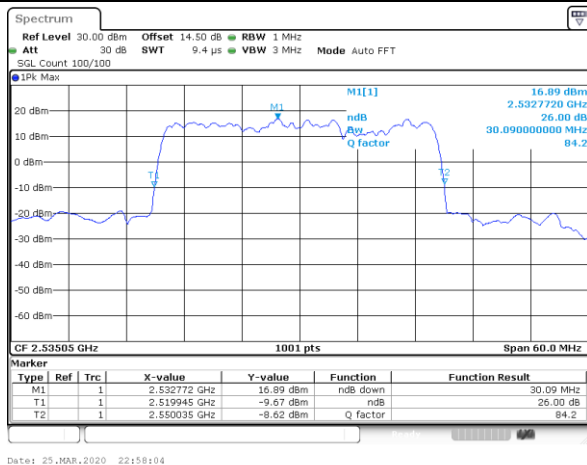
Lowest Channel / 20MHz+10MHz



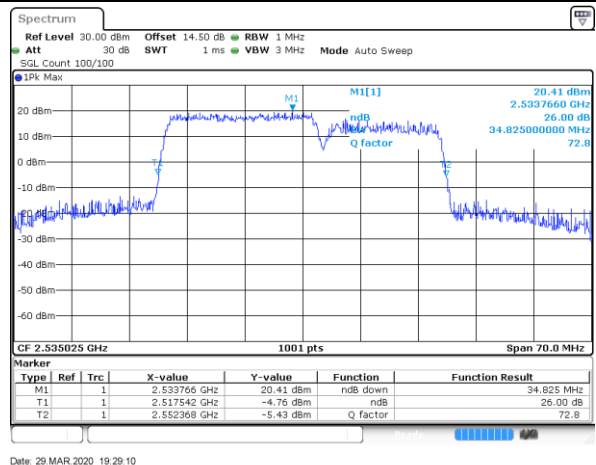
Lowest Channel / 20MHz+15MHz



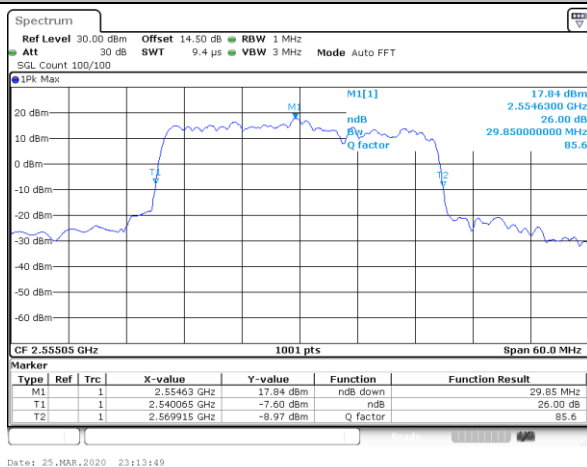
Middle Channel / 20MHz+10MHz



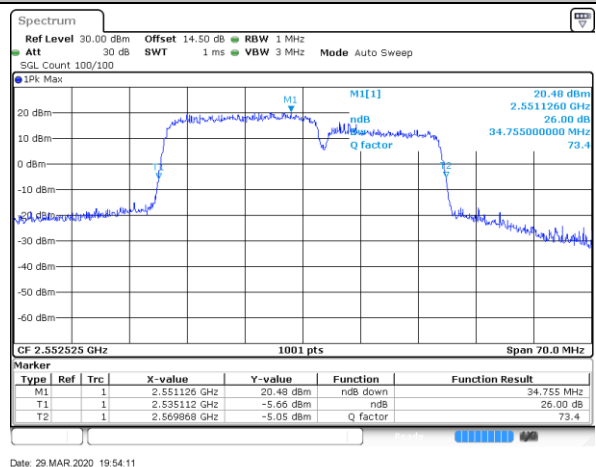
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



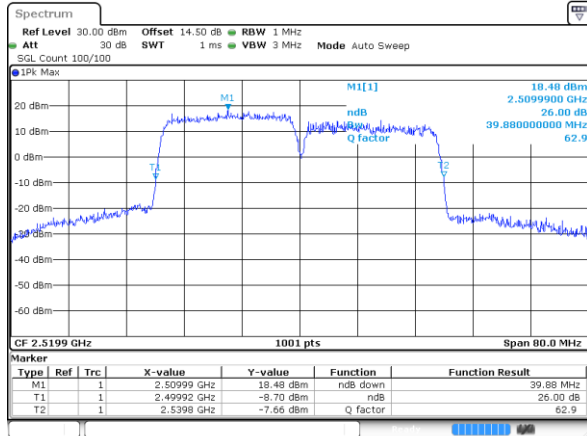


LTE Band 7C

64QAM

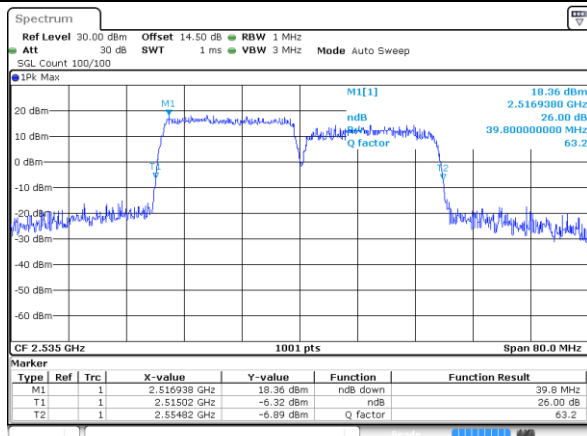
Lowest Channel / 20MHz+20MHz

N/A



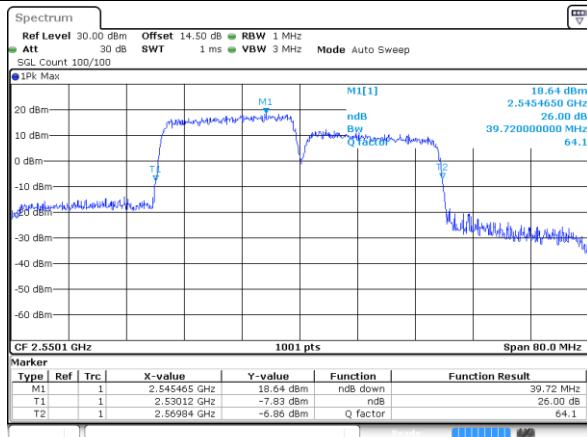
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.75	23.33	28.05	32.59
Middle CH	27.93	23.48	28.41	32.80
Highest CH	27.81	23.43	28.29	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.73	37.48	-
Middle CH	27.99	32.87	37.72	-
Highest CH	27.69	32.87	37.40	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.69	23.23	28.41	32.59
Middle CH	28.11	23.38	28.47	32.73
Highest CH	27.75	23.48	28.47	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.75	32.80	37.56	-
Middle CH	27.93	32.80	37.72	-
Highest CH	27.81	32.80	37.32	-

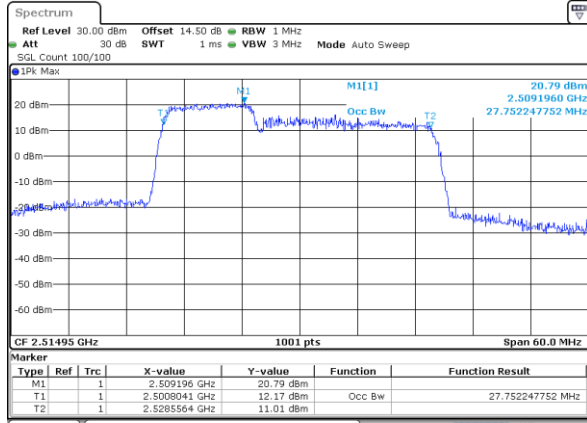
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.69	23.33	28.35	32.52
Middle CH	27.99	23.43	28.41	32.66
Highest CH	27.81	23.43	28.41	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.81	32.66	37.48	-
Middle CH	28.05	32.80	37.56	-
Highest CH	27.87	32.66	37.48	-



LTE Band 7C

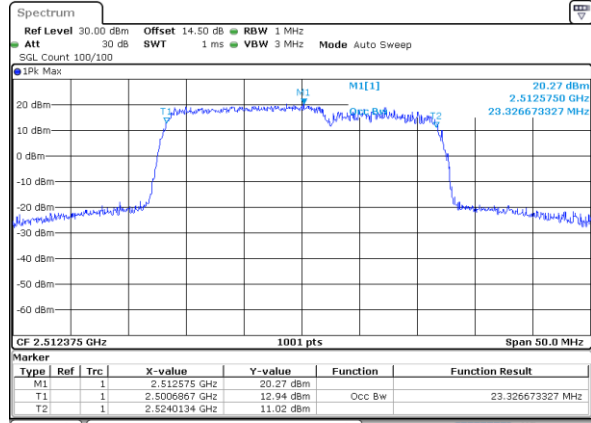
QPSK

Lowest Channel / 10MHz+20MHz



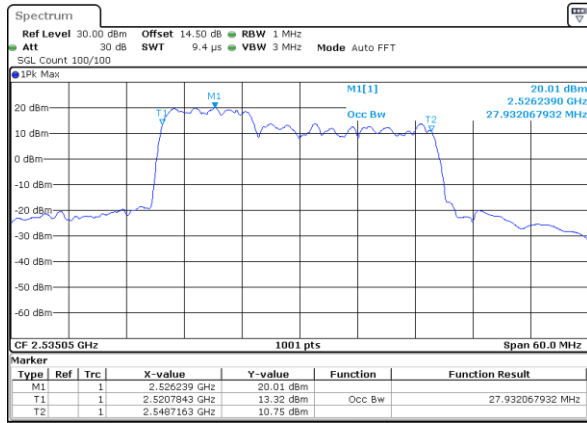
Date: 29 MAR 2020 20:57:05

Lowest Channel / 15MHz+10MHz



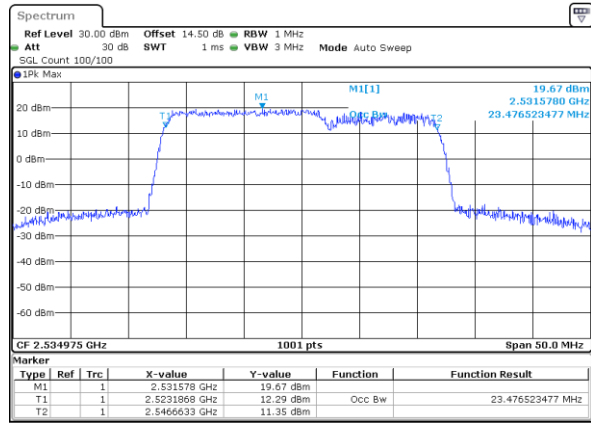
Date: 29 MAR 2020 21:51:18

Middle Channel / 10MHz+20MHz



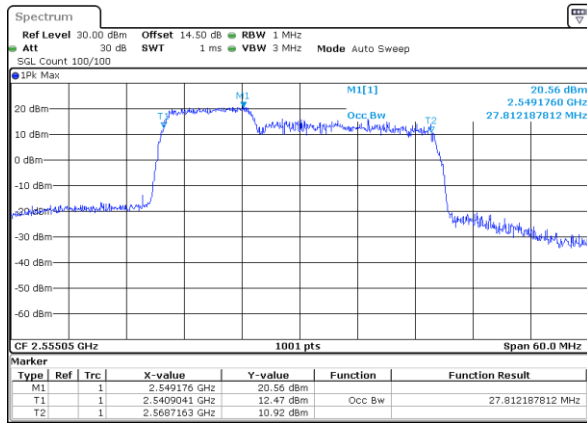
Date: 25 MAR 2020 21:45:40

Middle Channel / 15MHz+10MHz



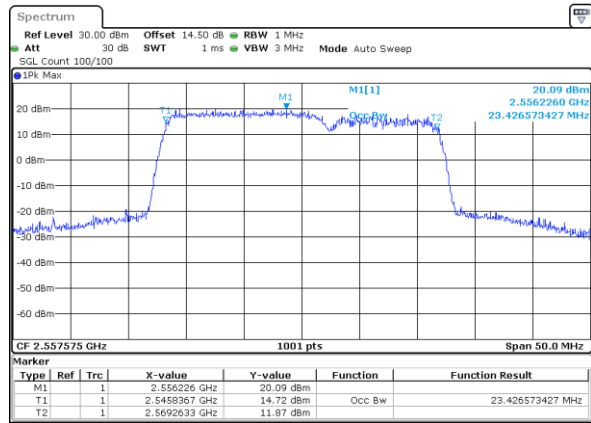
Date: 29 MAR 2020 22:08:34

Highest Channel / 10MHz+20MHz



Date: 29 MAR 2020 21:22:28

Highest Channel / 15MHz+10MHz



Date: 29 MAR 2020 22:17:09