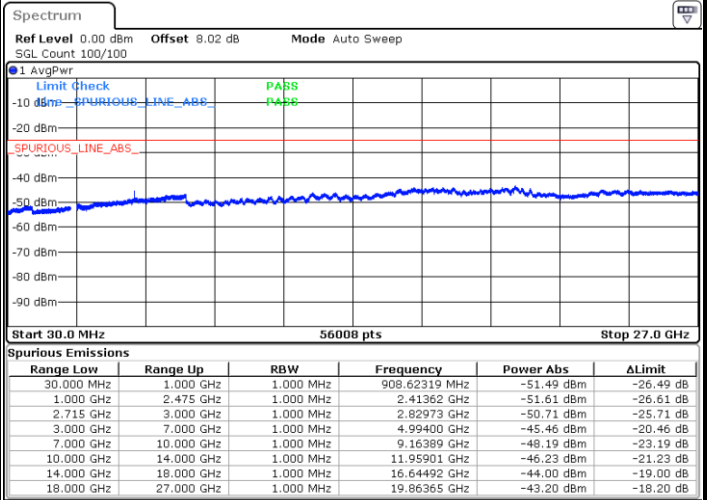
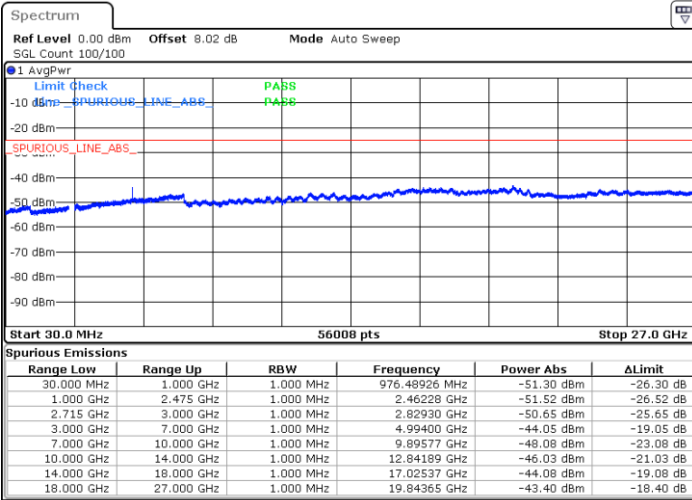




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

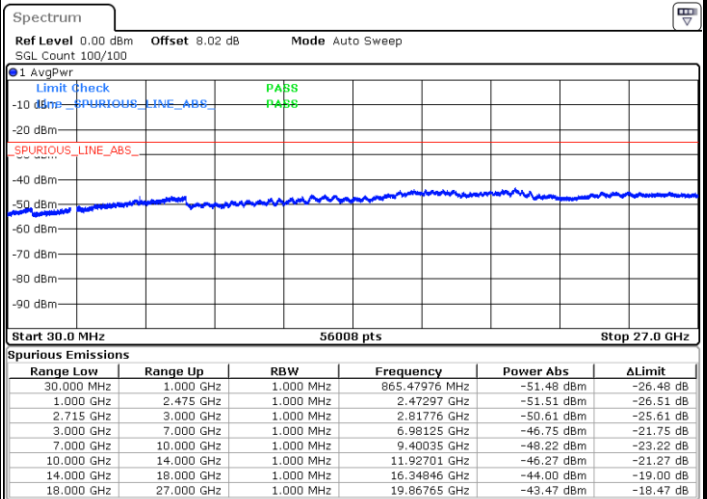
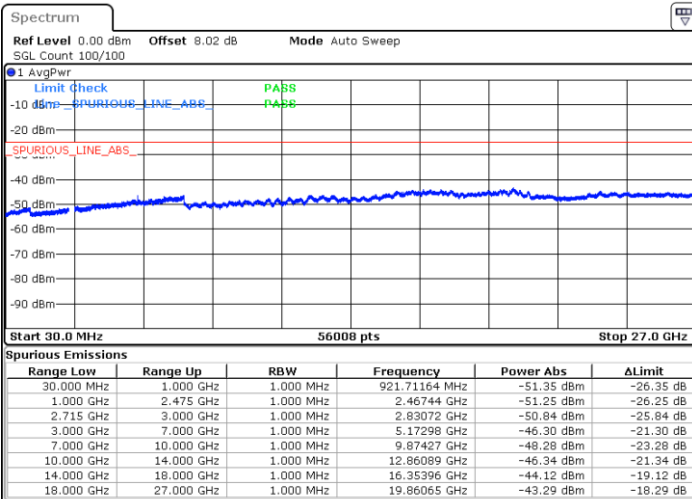


Date: 7.AUG.2020 19:31:13

Date: 7.AUG.2020 19:32:07

Middle Channel / QPSK

Middle Channel / 16QAM



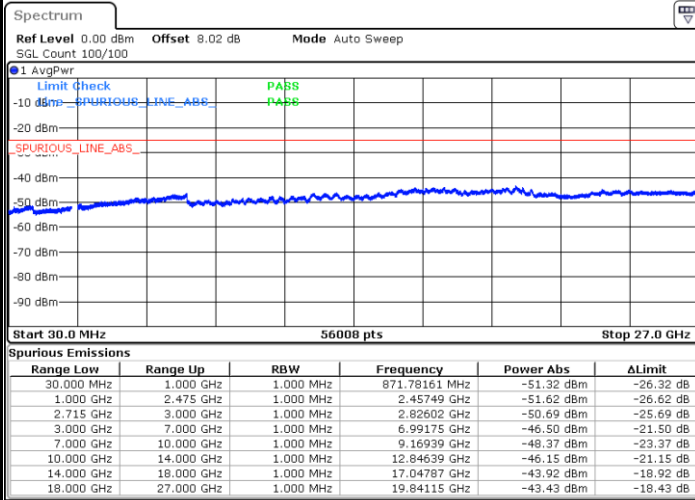
Date: 7.AUG.2020 19:33:02

Date: 7.AUG.2020 19:33:56



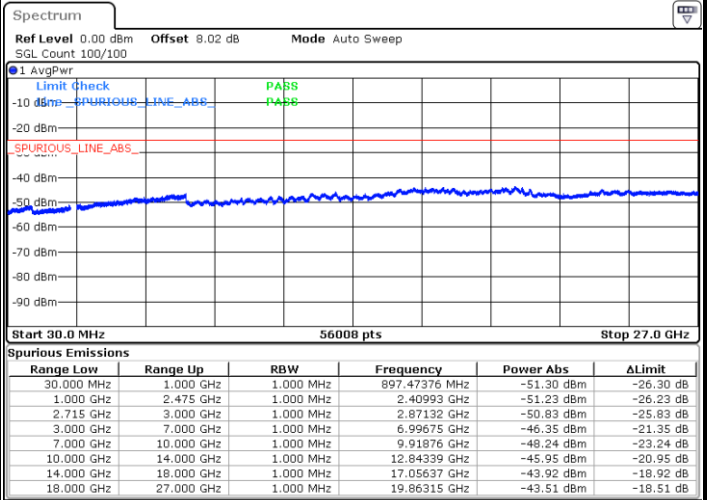
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 7.AUG.2020 19:34:51

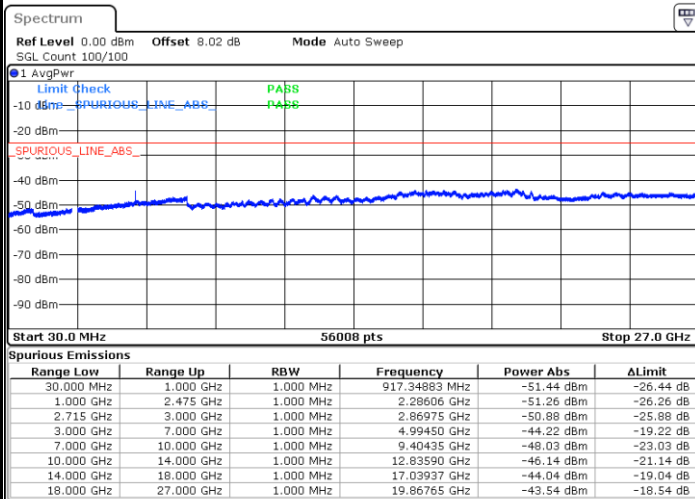
Highest Channel / 16QAM



Date: 7.AUG.2020 19:35:45

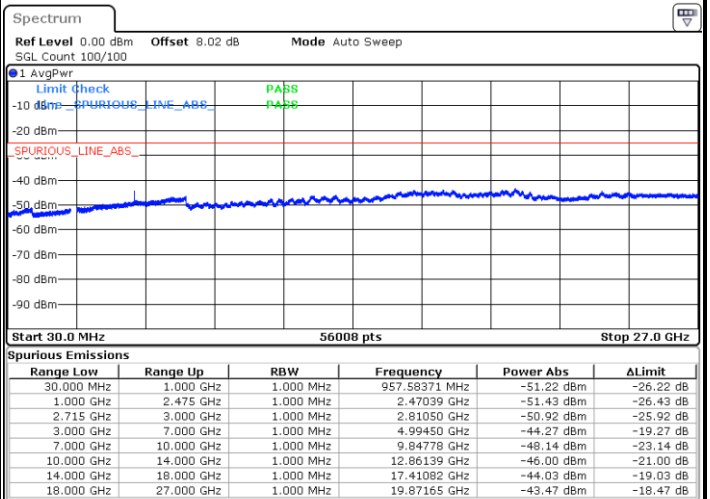
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 7.AUG.2020 19:36:40

Lowest Channel / 16QAM

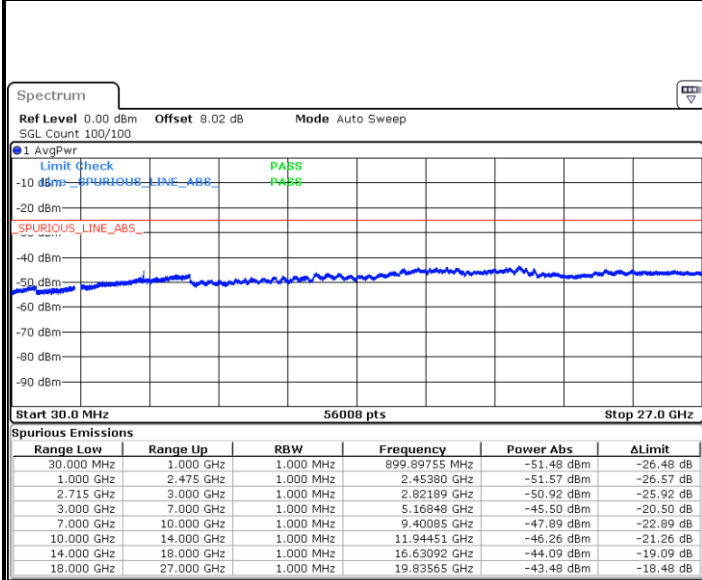


Date: 7.AUG.2020 19:37:34



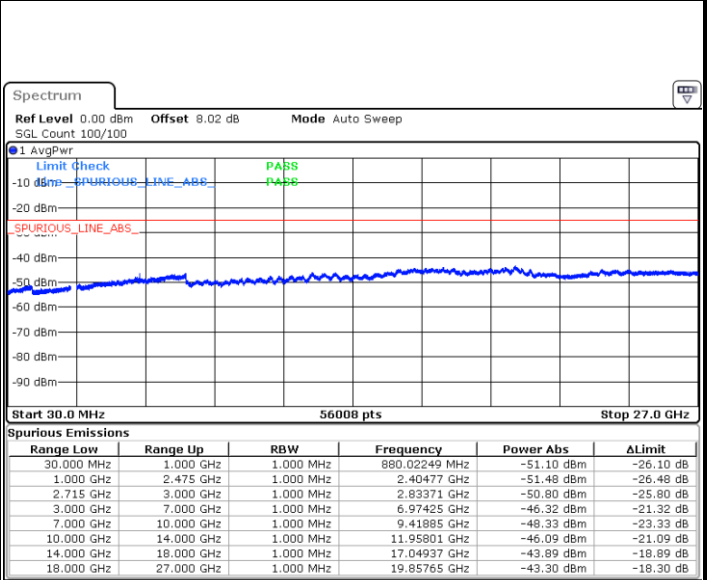
LTE Band 41 / 20MHz

Middle Channel / QPSK



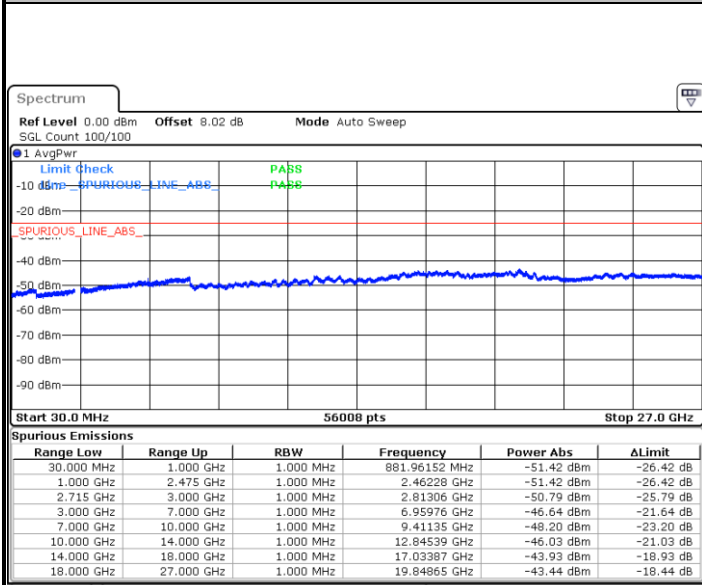
Date: 7.AUG.2020 19:38:29

Middle Channel / 16QAM



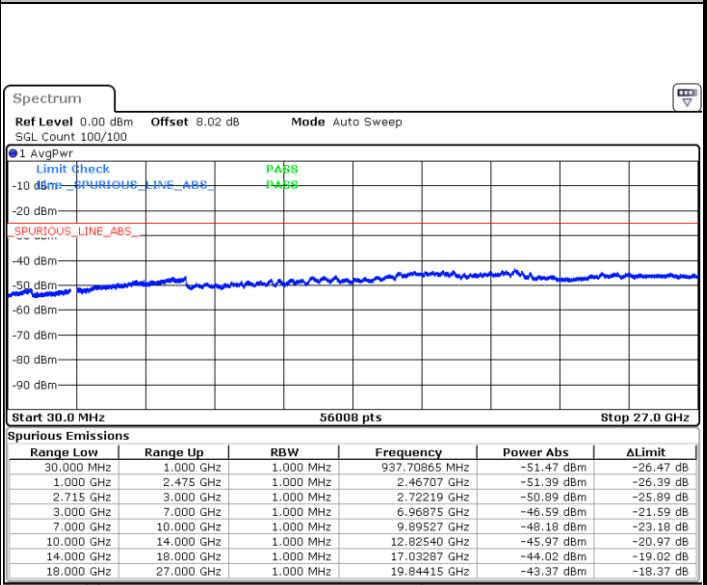
Date: 7.AUG.2020 19:39:23

Highest Channel / QPSK



Date: 7.AUG.2020 19:40:18

Highest Channel / 16QAM



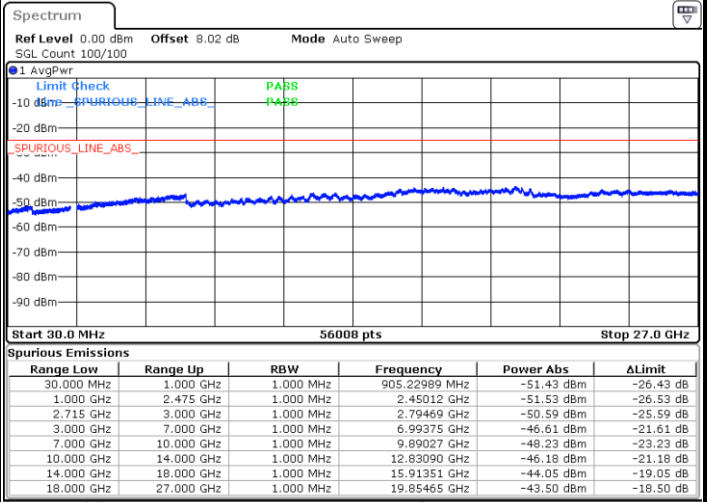
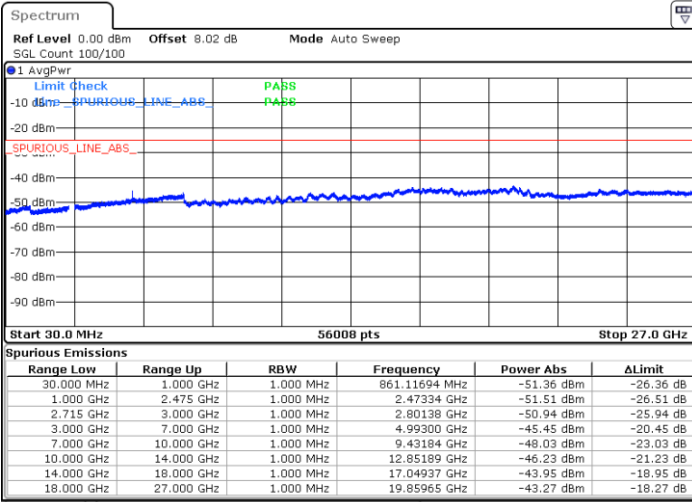
Date: 7.AUG.2020 19:41:12



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

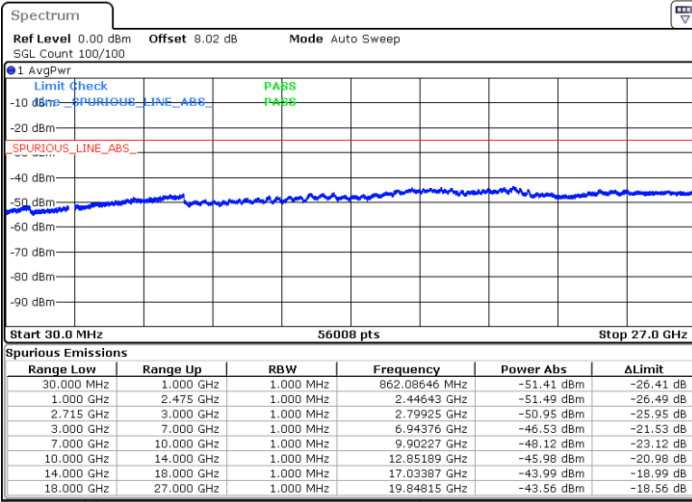
Middle Channel / 64QAM



Date: 7.AUG.2020 20:06:31

Date: 7.AUG.2020 20:07:26

Highest Channel / 64QAM



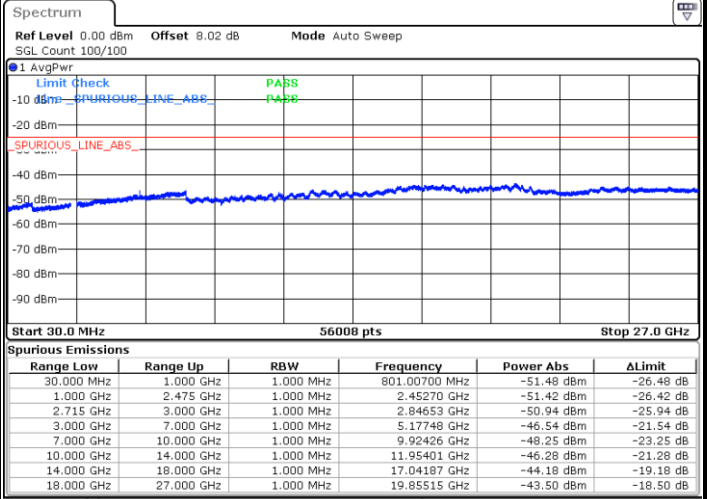
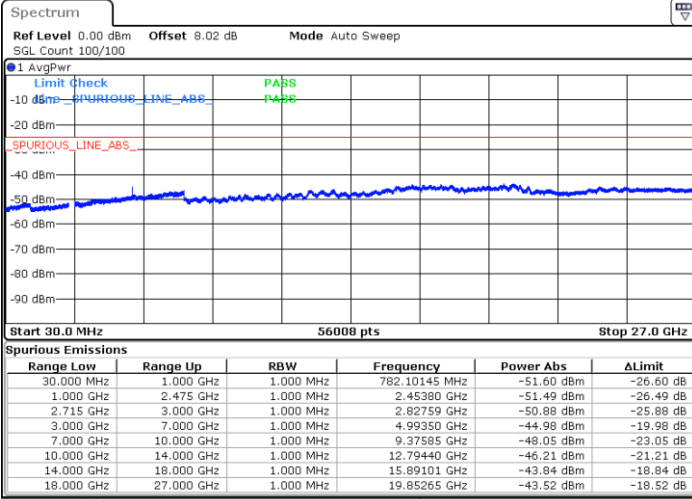
Date: 7.AUG.2020 20:08:20



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

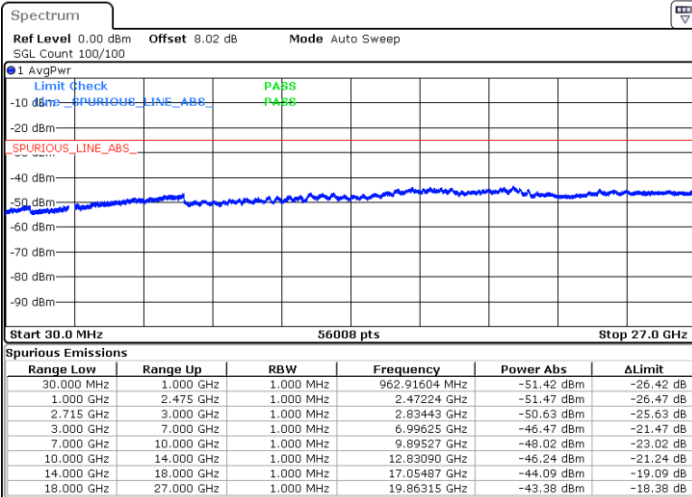
Middle Channel / 64QAM



Date: 7.AUG.2020 20:09:15

Date: 7.AUG.2020 20:10:09

Highest Channel / 64QAM



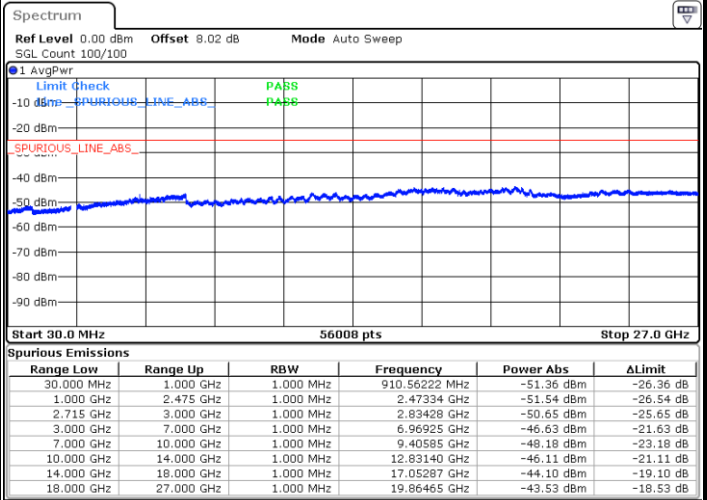
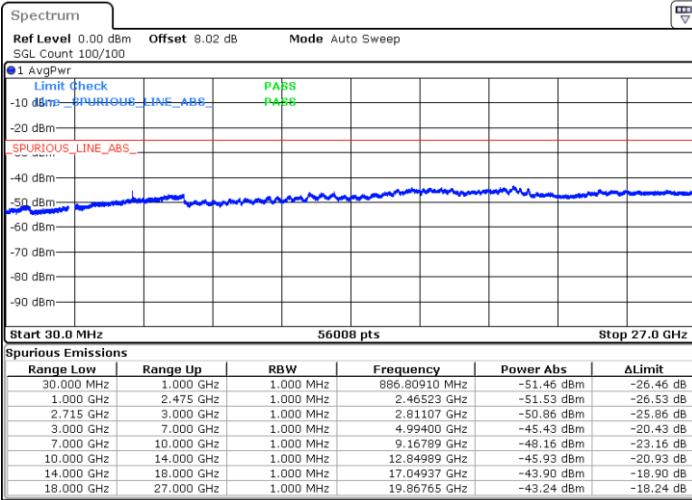
Date: 7.AUG.2020 20:11:04



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

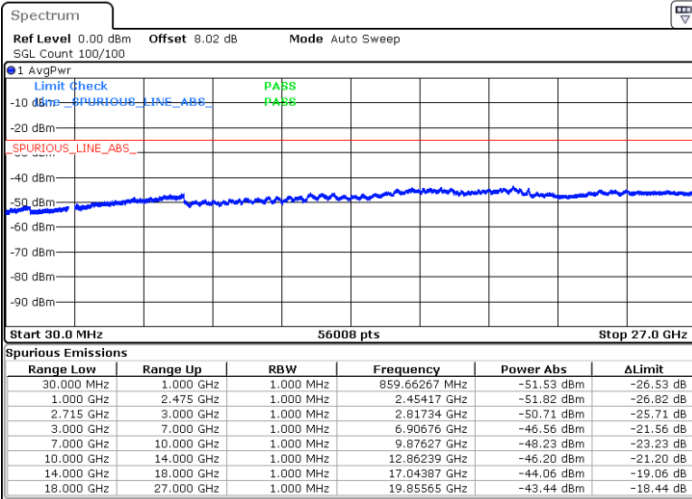
Middle Channel / 64QAM



Date: 7.AUG.2020 20:11:58

Date: 7.AUG.2020 20:12:53

Highest Channel / 64QAM



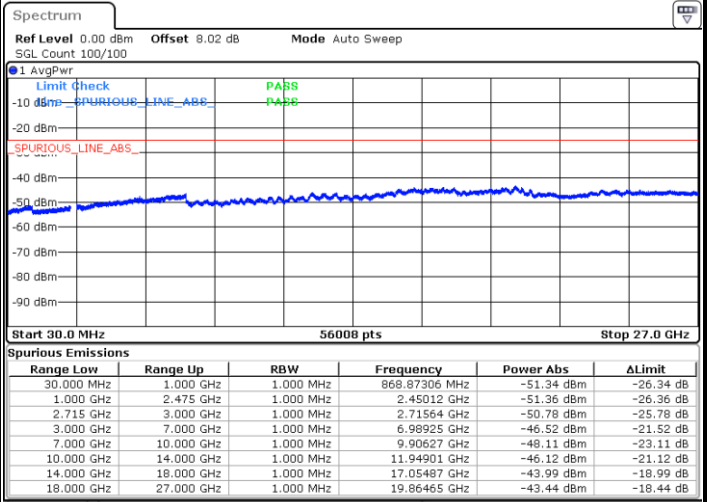
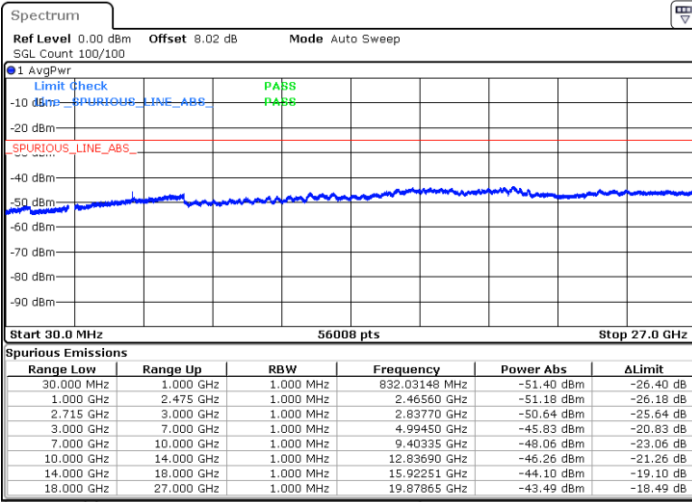
Date: 7.AUG.2020 20:13:47



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

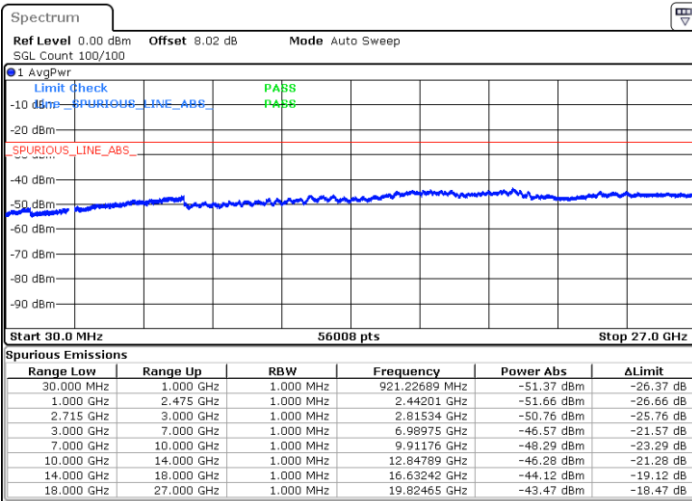
Middle Channel / 64QAM



Date: 7.AUG.2020 20:14:42

Date: 7.AUG.2020 20:15:36

Highest Channel / 64QAM



Date: 7.AUG.2020 20:16:31



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	0.0004	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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	25.18	30.51	34.83
Middle CH	29.79	25.18	30.33	34.90
Highest CH	29.79	25.13	30.45	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	35.04	39.72	-
Middle CH	29.91	34.90	39.72	-
Highest CH	30.15	34.69	39.72	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.85	25.23	30.45	34.62
Middle CH	29.91	25.28	30.51	34.76
Highest CH	29.85	25.18	30.33	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	34.76	39.56	-
Middle CH	29.91	34.83	39.72	-
Highest CH	29.97	34.69	39.56	-

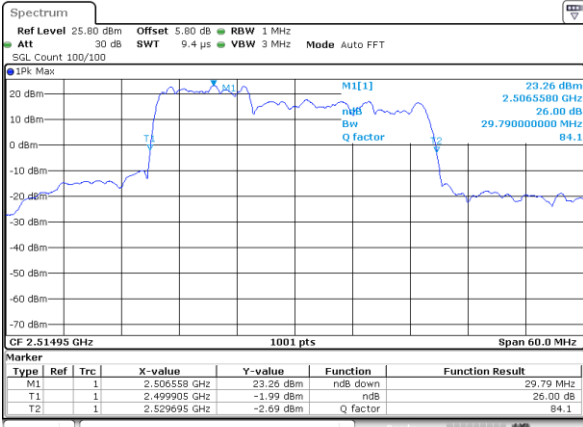
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.13	30.45	34.69
Middle CH	29.73	25.08	30.57	34.83
Highest CH	29.55	25.18	30.39	34.55
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.90	39.64	-
Middle CH	29.97	34.76	39.56	-
Highest CH	29.79	34.83	39.48	-



LTE Band 7C

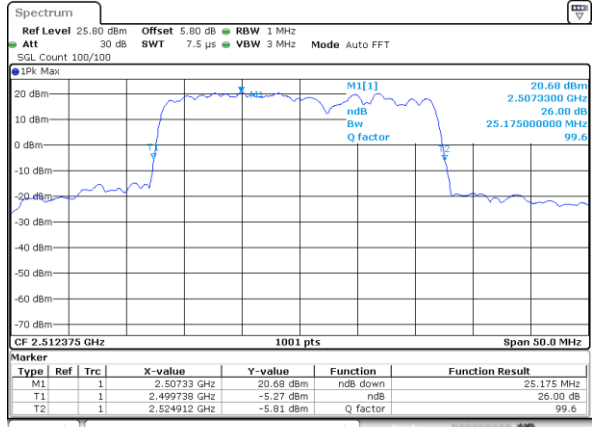
QPSK

Lowest Channel / 10MHz+20MHz



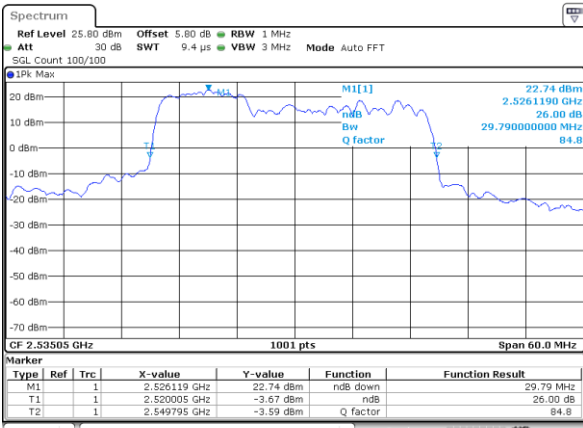
Date: 8.AUG.2020 22:09:09

Lowest Channel / 15MHz+10MHz



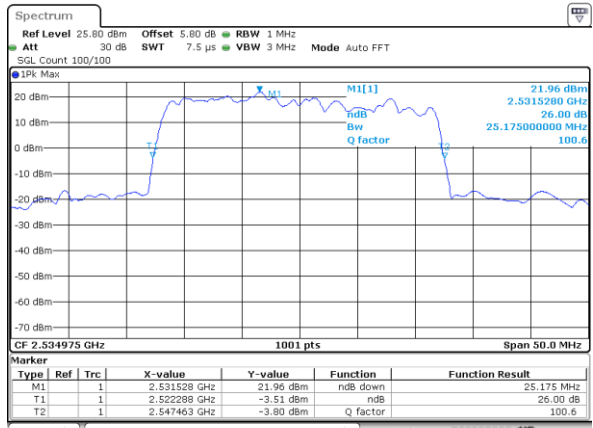
Date: 9.AUG.2020 03:01:09

Middle Channel / 10MHz+20MHz



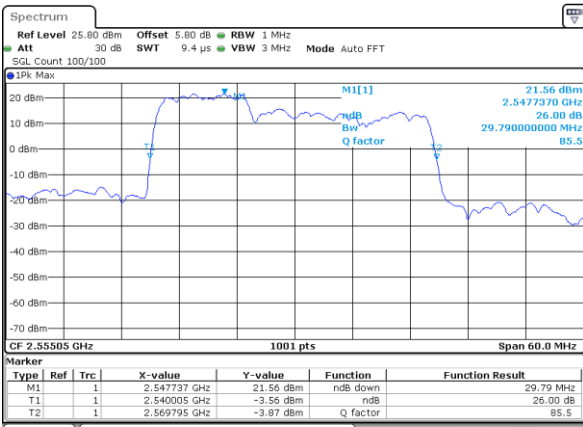
Date: 8.AUG.2020 21:54:50

Middle Channel / 15MHz+10MHz



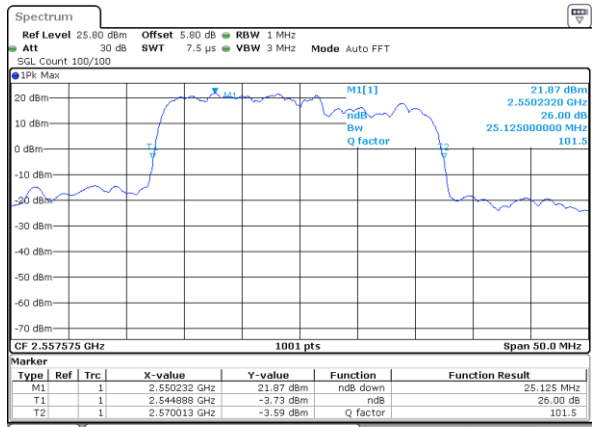
Date: 9.AUG.2020 03:08:27

Highest Channel / 10MHz+20MHz



Date: 8.AUG.2020 22:35:53

Highest Channel / 15MHz+10MHz



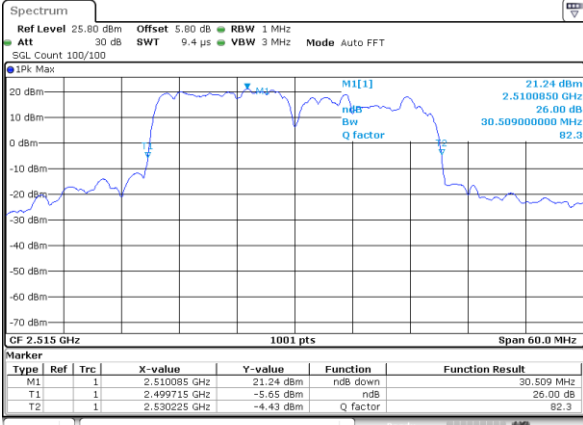
Date: 9.AUG.2020 03:12:55



LTE Band 7C

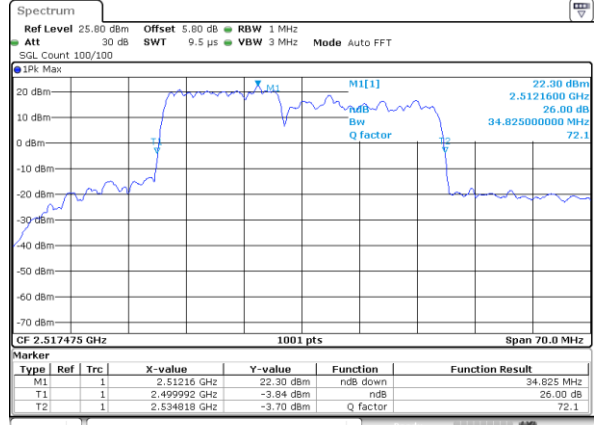
QPSK

Lowest Channel / 15MHz+15MHz



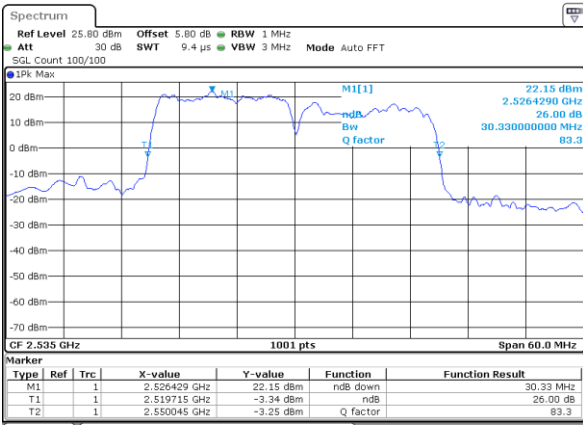
Date: 9.AUG.2020 00:15:20

Lowest Channel / 15MHz+20MHz



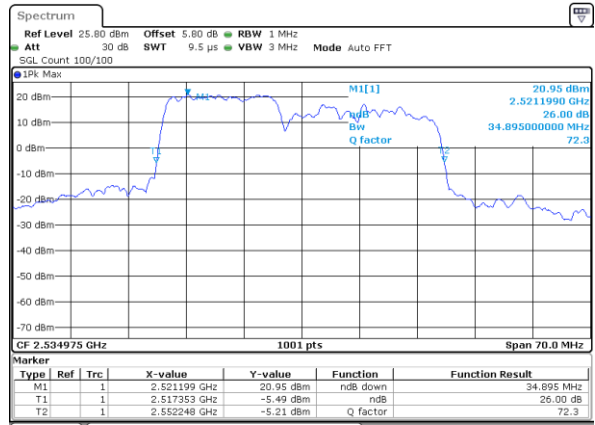
Date: 9.AUG.2020 01:10:07

Middle Channel / 15MHz+15MHz



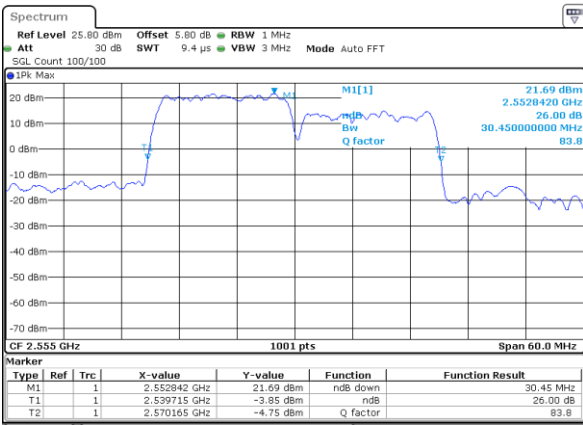
Date: 9.AUG.2020 00:15:18

Middle Channel / 15MHz+20MHz



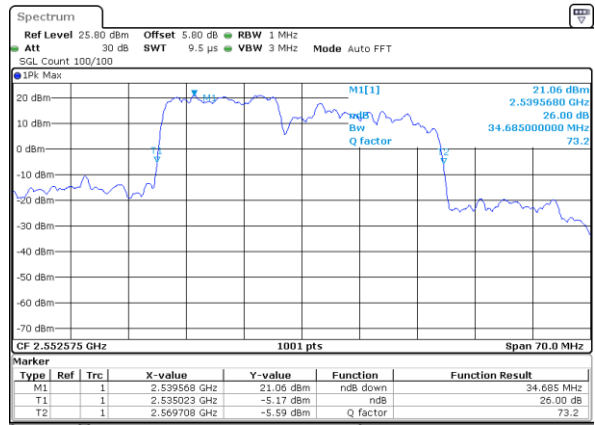
Date: 9.AUG.2020 01:16:02

Highest Channel / 15MHz+15MHz



Date: 9.AUG.2020 01:01:02

Highest Channel / 15MHz+20MHz



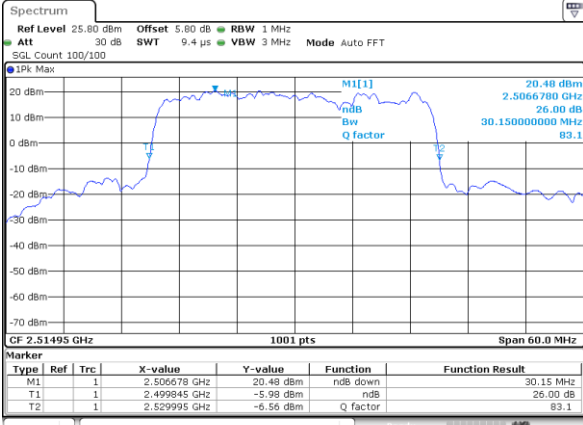
Date: 9.AUG.2020 01:20:41



LTE Band 7C

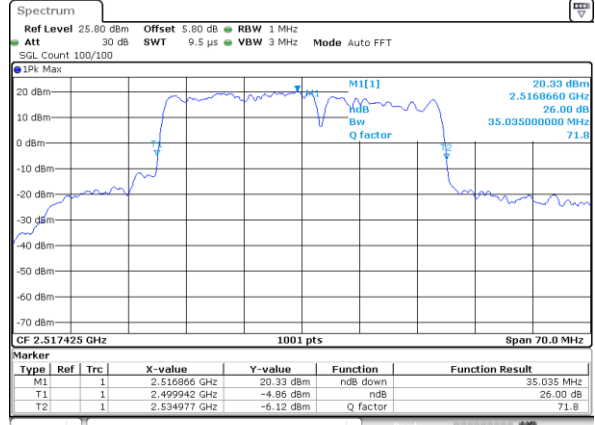
QPSK

Lowest Channel / 20MHz+10MHz



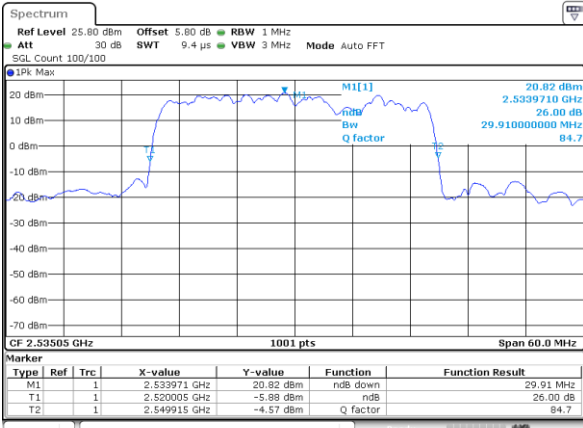
Date: 8.AUG.2020 23:55:08

Lowest Channel / 20MHz+15MHz



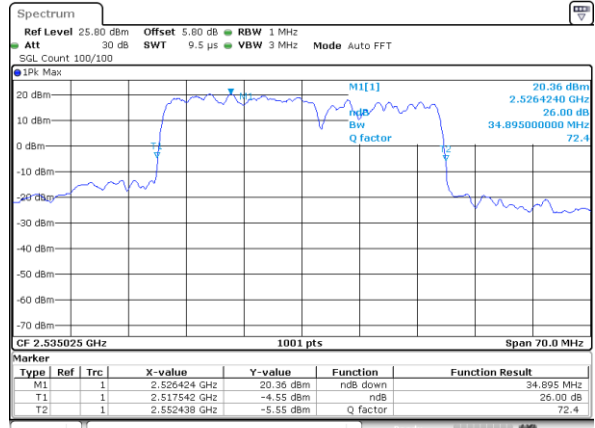
Date: 9.AUG.2020 01:29:40

Middle Channel / 20MHz+10MHz



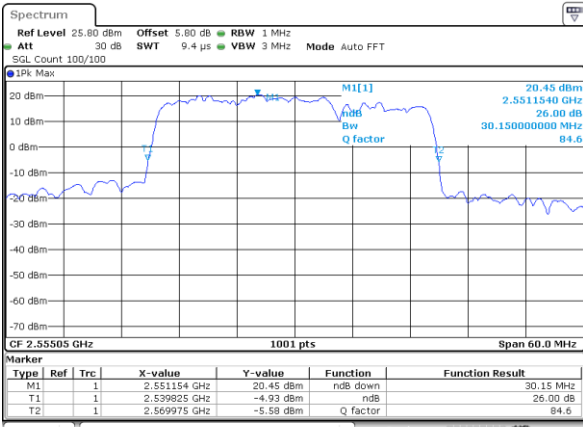
Date: 9.AUG.2020 00:03:20

Middle Channel / 20MHz+15MHz



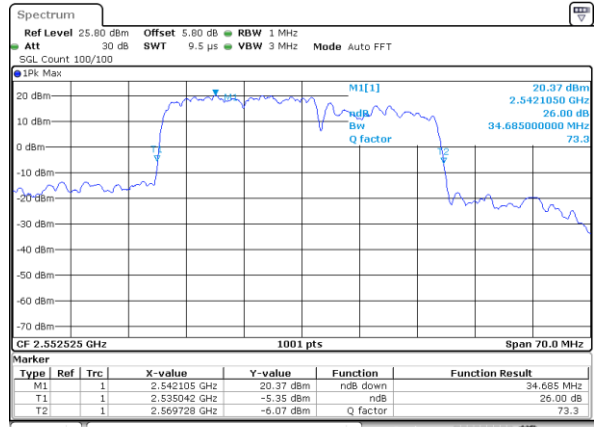
Date: 9.AUG.2020 02:00:56

Highest Channel / 20MHz+10MHz



Date: 9.AUG.2020 00:08:55

Highest Channel / 20MHz+15MHz



Date: 9.AUG.2020 02:05:42

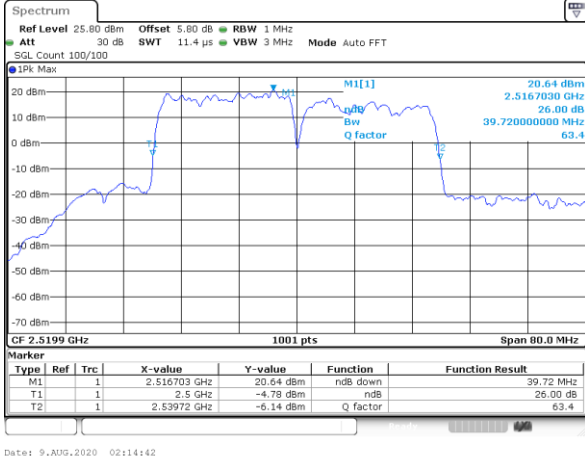


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

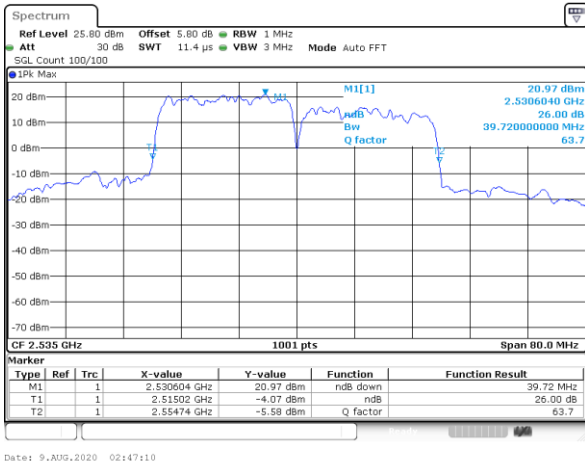
N/A



Date: 9_AUG.2020 02:14:42

Middle Channel / 20MHz+20MHz

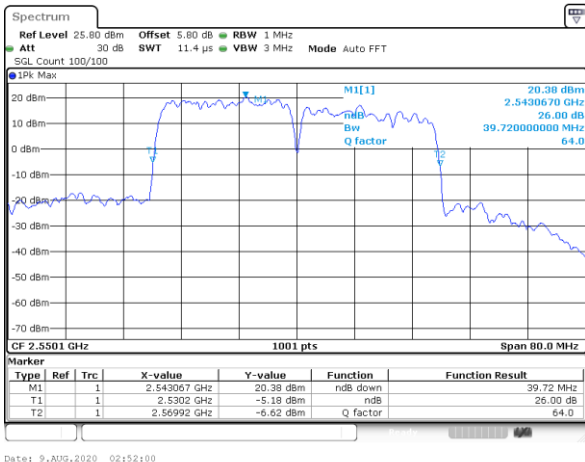
N/A



Date: 9_AUG.2020 02:17:10

Highest Channel / 20MHz+20MHz

N/A



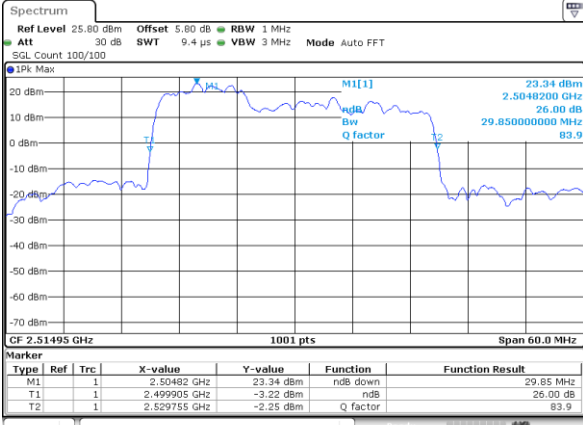
Date: 9_AUG.2020 02:52:00



LTE Band 7C

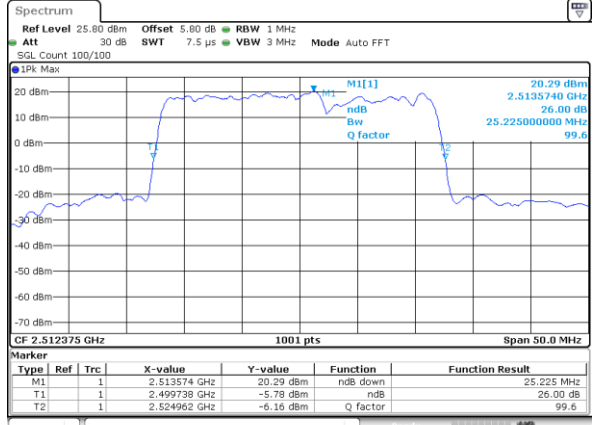
16QAM

Lowest Channel / 10MHz+20MHz



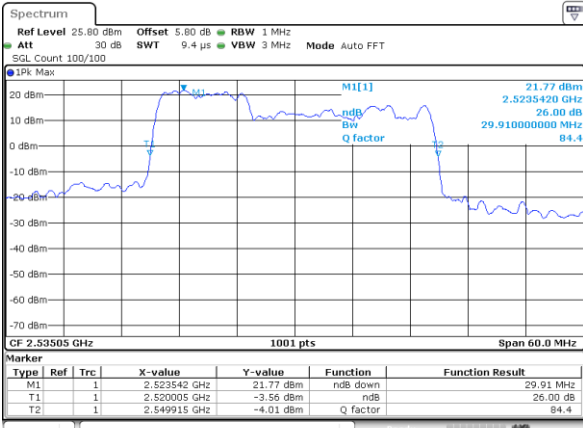
Date: 8.AUG.2020 22:09:139

Lowest Channel / 15MHz+10MHz



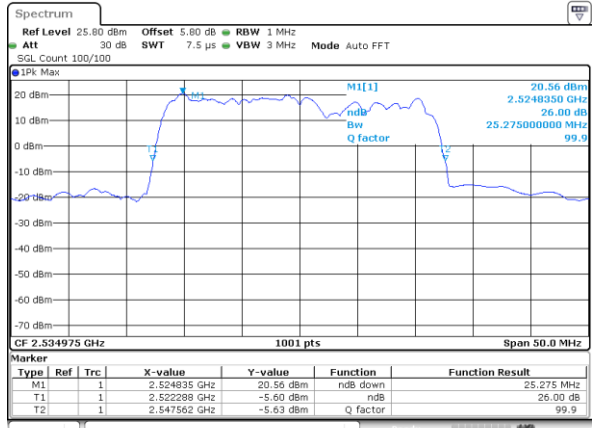
Date: 9.AUG.2020 03:00:131

Middle Channel / 10MHz+20MHz



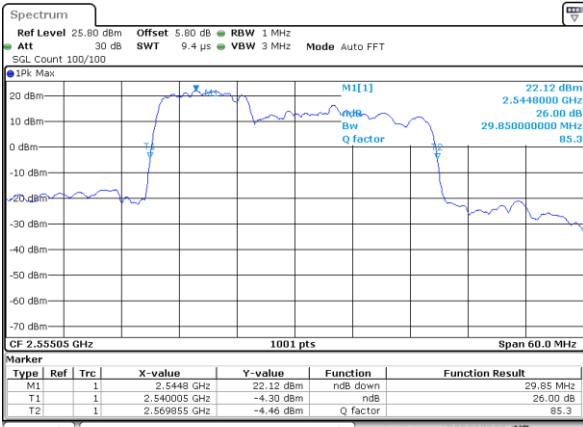
Date: 8.AUG.2020 21:56:155

Middle Channel / 15MHz+10MHz



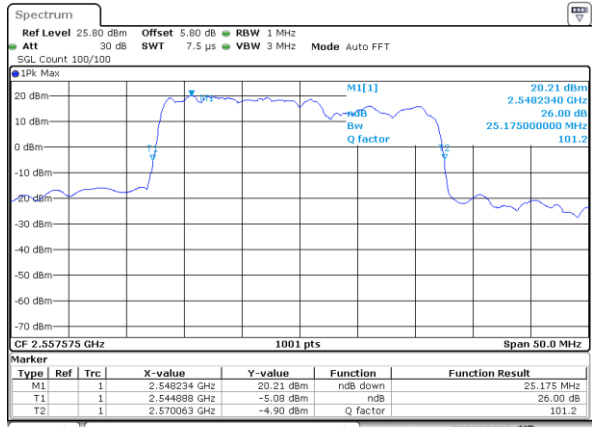
Date: 9.AUG.2020 03:08:49

Highest Channel / 10MHz+20MHz



Date: 8.AUG.2020 22:35:116

Highest Channel / 15MHz+10MHz



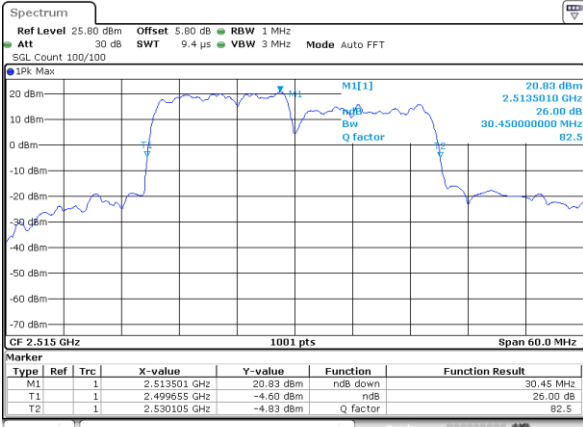
Date: 9.AUG.2020 03:13:137



LTE Band 7C

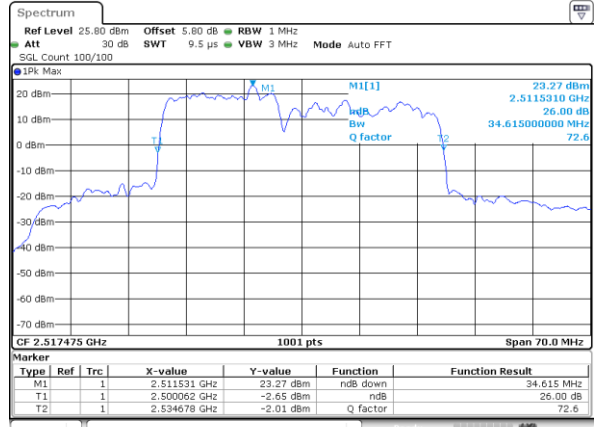
16QAM

Lowest Channel / 15MHz+15MHz



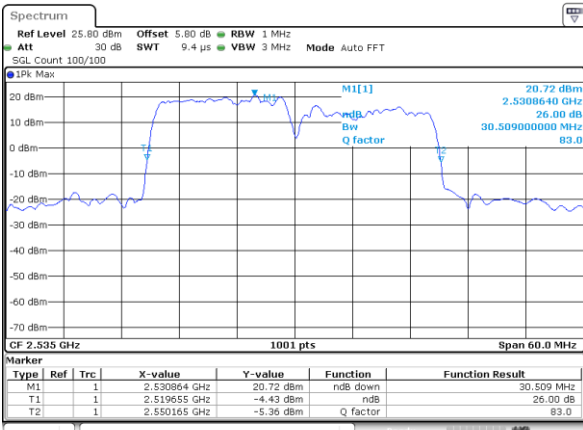
Date: 9.AUG.2020 00:15:56

Lowest Channel / 15MHz+20MHz



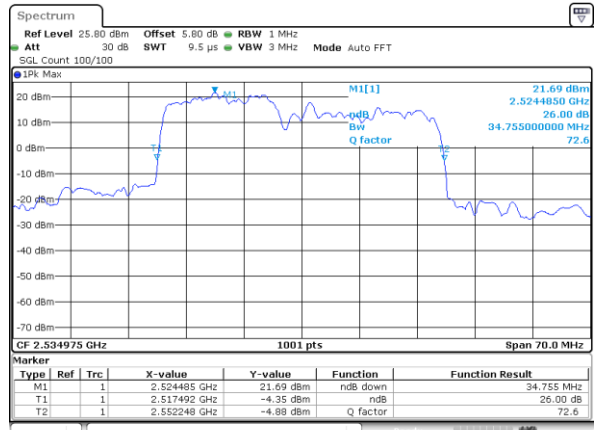
Date: 9.AUG.2020 01:09:31

Middle Channel / 15MHz+15MHz



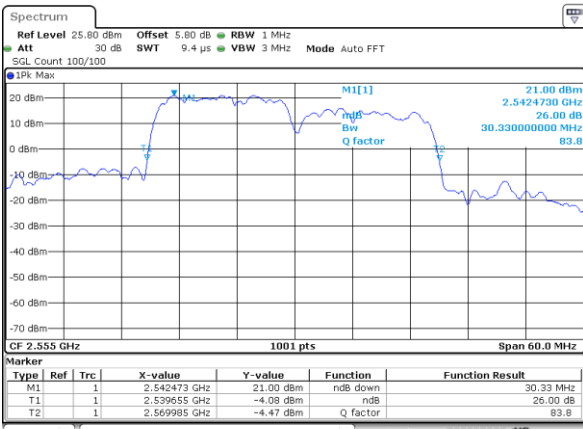
Date: 9.AUG.2020 00:47:14

Middle Channel / 15MHz+20MHz



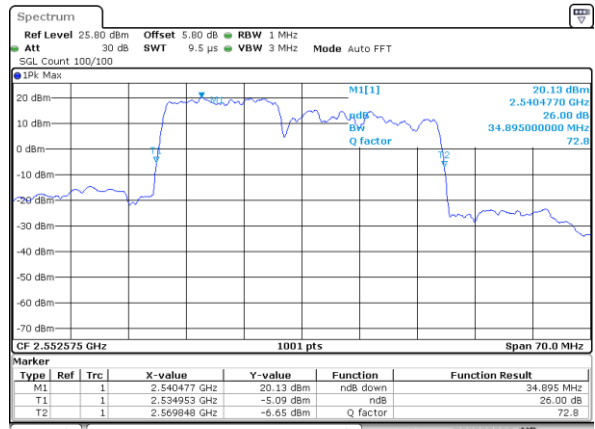
Date: 9.AUG.2020 01:16:31

Highest Channel / 15MHz+15MHz



Date: 9.AUG.2020 01:02:06

Highest Channel / 15MHz+20MHz



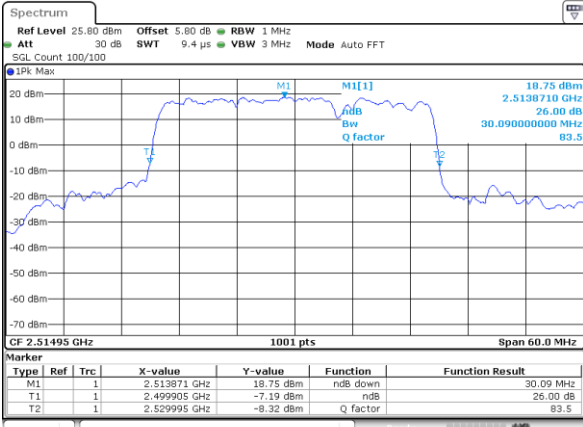
Date: 9.AUG.2020 01:21:28



LTE Band 7C

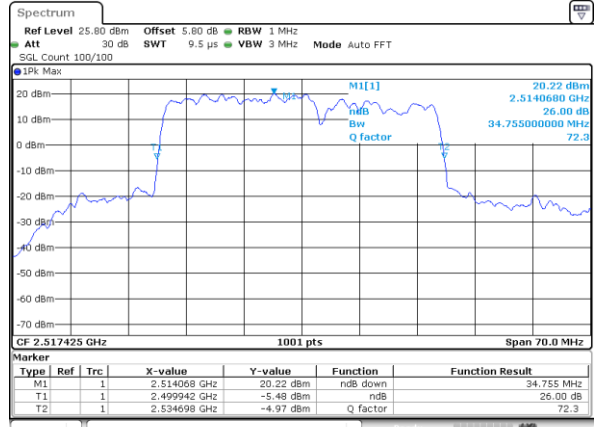
16QAM

Lowest Channel / 20MHz+10MHz



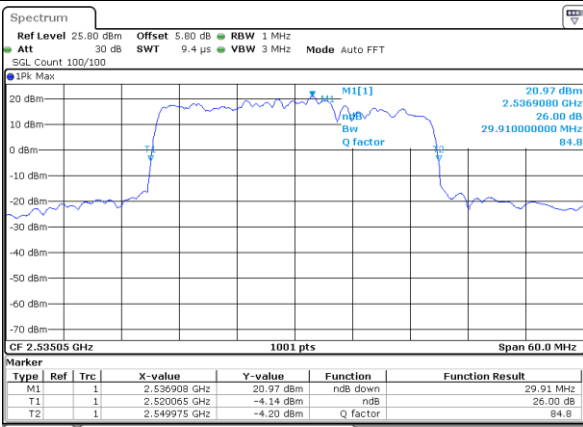
Date: 8.AUG.2020 23:55:55

Lowest Channel / 20MHz+15MHz



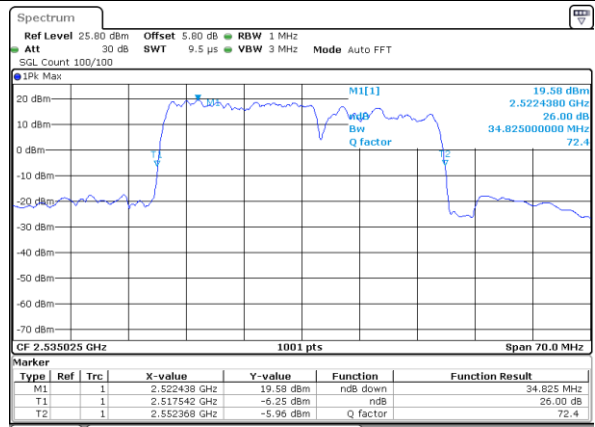
Date: 9.AUG.2020 01:29:01

Middle Channel / 20MHz+10MHz



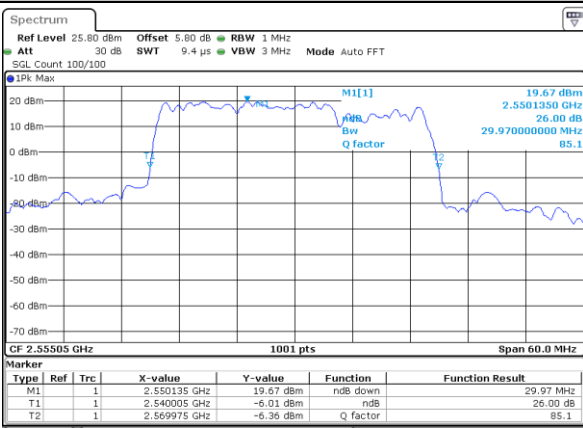
Date: 9.AUG.2020 00:02:59

Middle Channel / 20MHz+15MHz



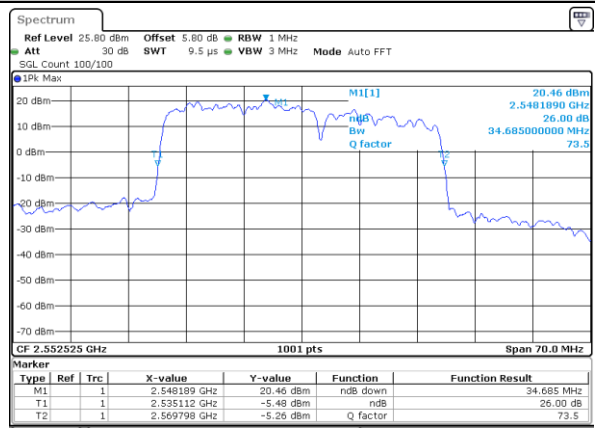
Date: 9.AUG.2020 02:01:22

Highest Channel / 20MHz+10MHz



Date: 9.AUG.2020 00:08:15

Highest Channel / 20MHz+15MHz



Date: 9.AUG.2020 02:06:21

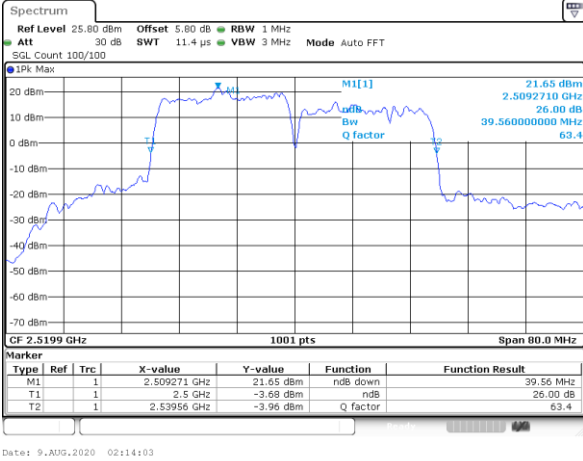


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

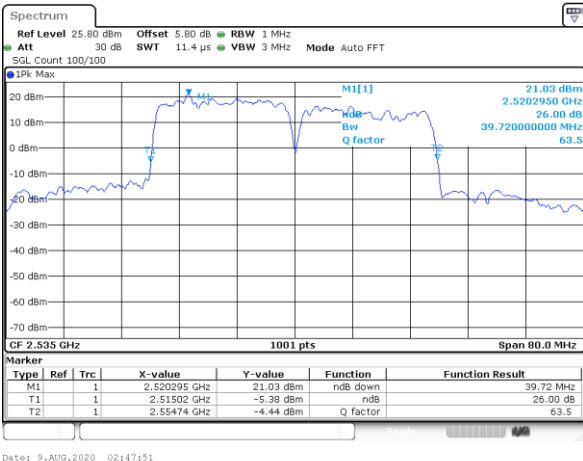
N/A



Date: 9_AUG.2020 02:14:03

Middle Channel / 20MHz+20MHz

N/A



Date: 9_AUG.2020 02:14:51

Highest Channel / 20MHz+20MHz

N/A



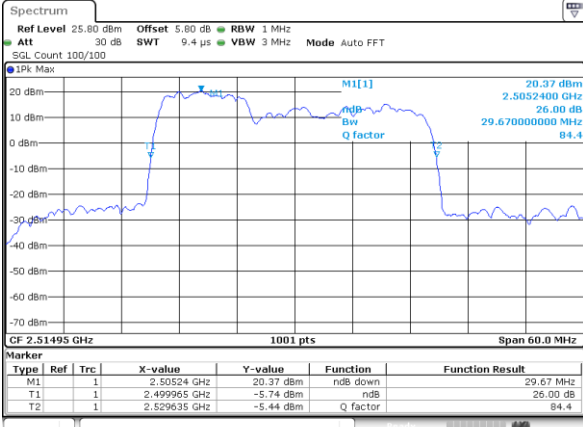
Date: 9_AUG.2020 02:52:41



LTE Band 7C

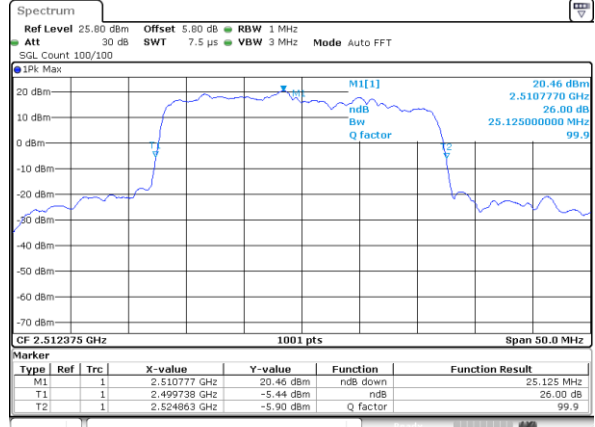
64QAM

Lowest Channel / 10MHz+20MHz



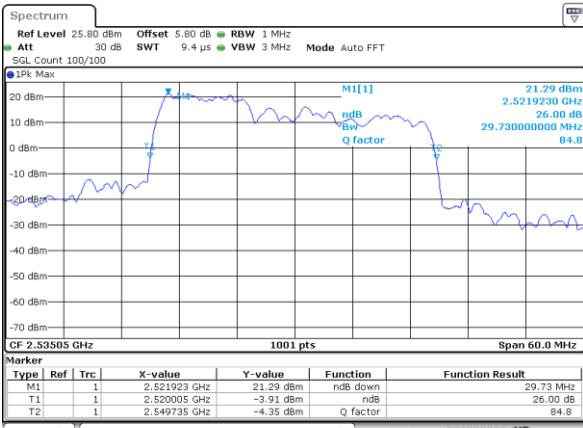
Date: 8.AUG.2020 22:16:59

Lowest Channel / 15MHz+10MHz



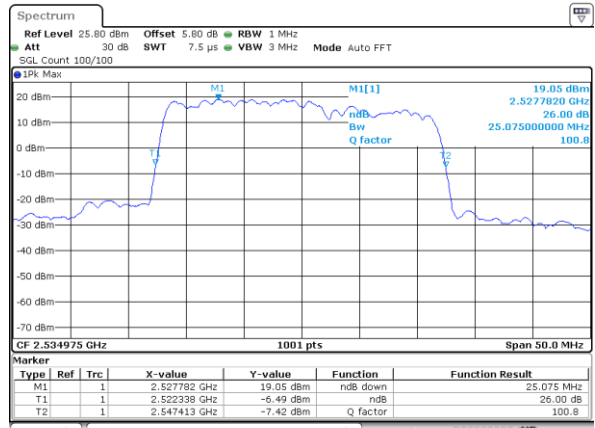
Date: 9.AUG.2020 02:59:49

Middle Channel / 10MHz+20MHz



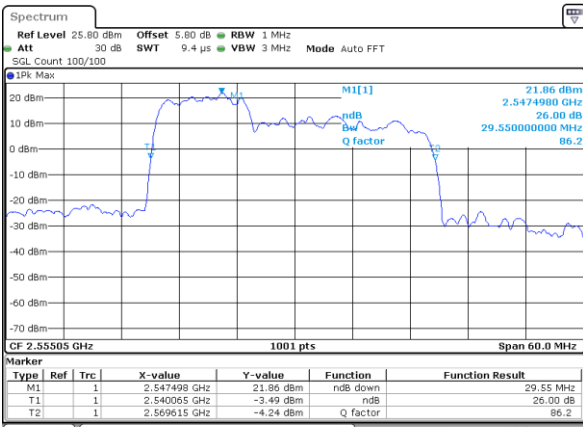
Date: 8.AUG.2020 21:57:21

Middle Channel / 15MHz+10MHz



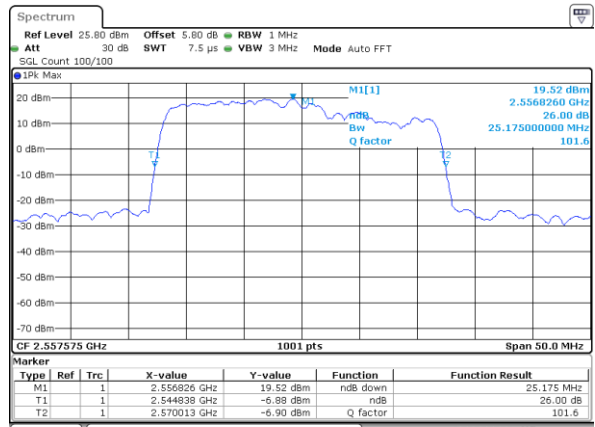
Date: 9.AUG.2020 03:09:13

Highest Channel / 10MHz+20MHz



Date: 8.AUG.2020 22:23:44

Highest Channel / 15MHz+10MHz



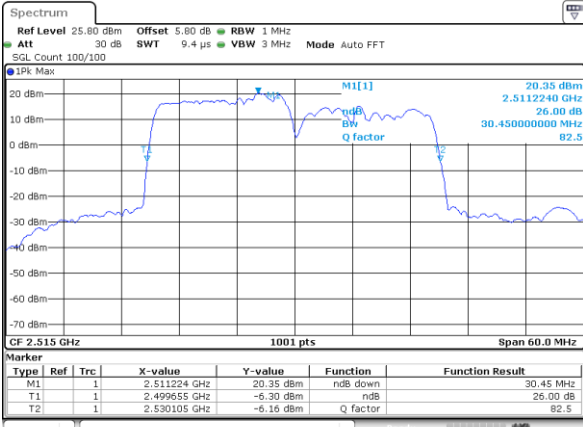
Date: 9.AUG.2020 03:14:15



LTE Band 7C

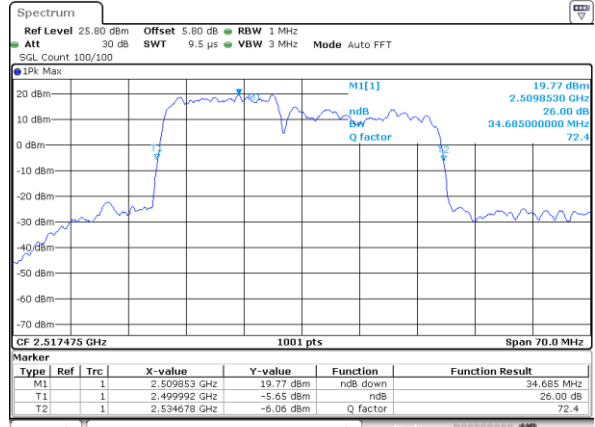
64QAM

Lowest Channel / 15MHz+15MHz



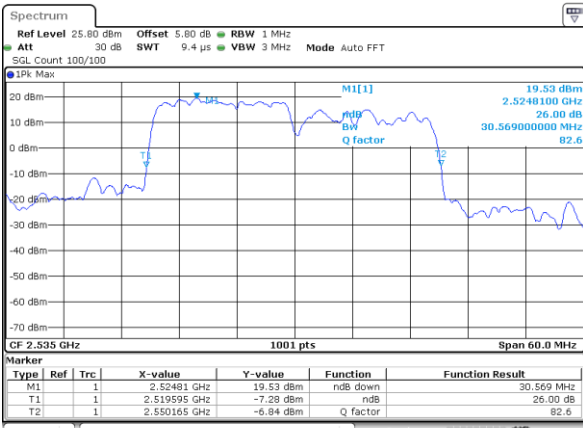
Date: 9.AUG.2020 00:16:35

Lowest Channel / 15MHz+20MHz



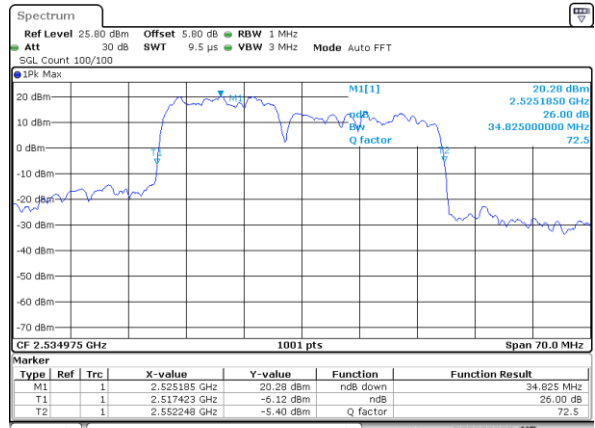
Date: 9.AUG.2020 01:08:59

Middle Channel / 15MHz+15MHz



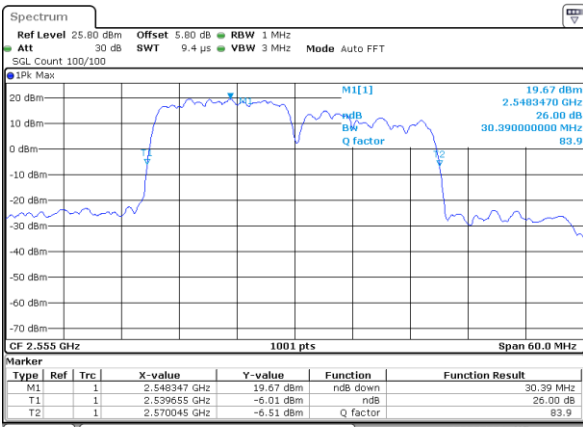
Date: 9.AUG.2020 00:56:42

Middle Channel / 15MHz+20MHz



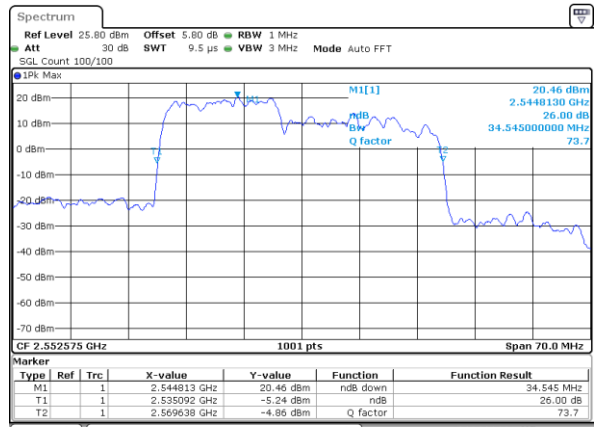
Date: 9.AUG.2020 01:16:57

Highest Channel / 15MHz+15MHz



Date: 9.AUG.2020 01:02:46

Highest Channel / 15MHz+20MHz



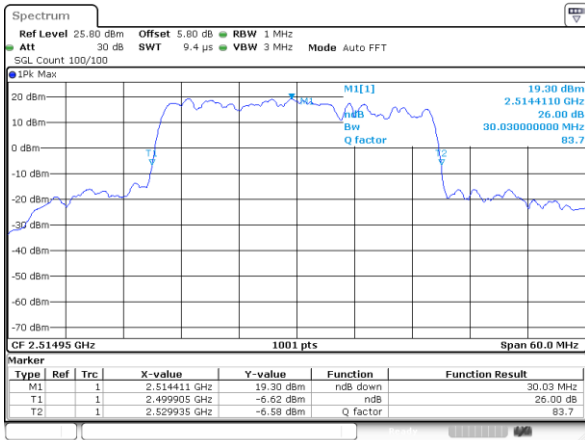
Date: 9.AUG.2020 01:21:56

LTE Band 7C



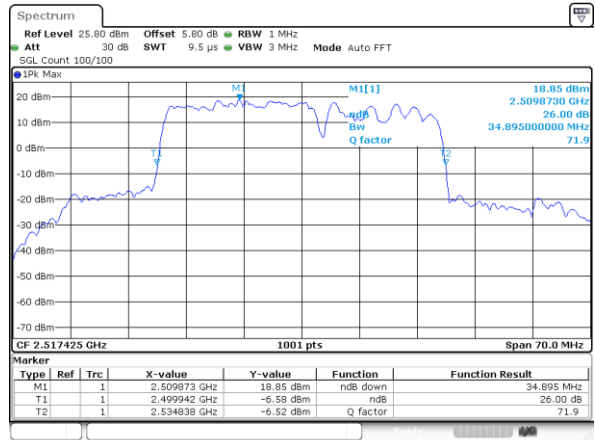
64QAM

Lowest Channel / 20MHz+10MHz



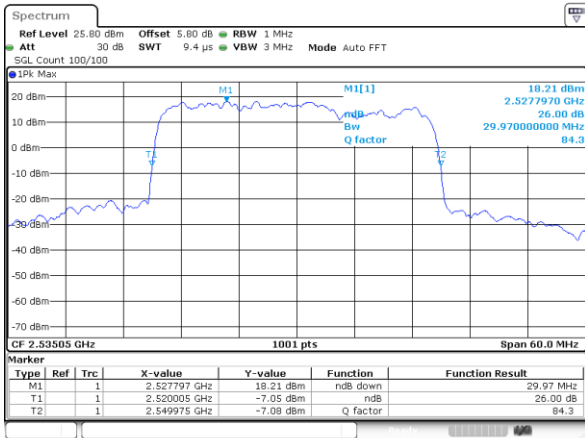
Date: 8,AUG,2020 23:15:41

Lowest Channel / 20MHz+15MHz



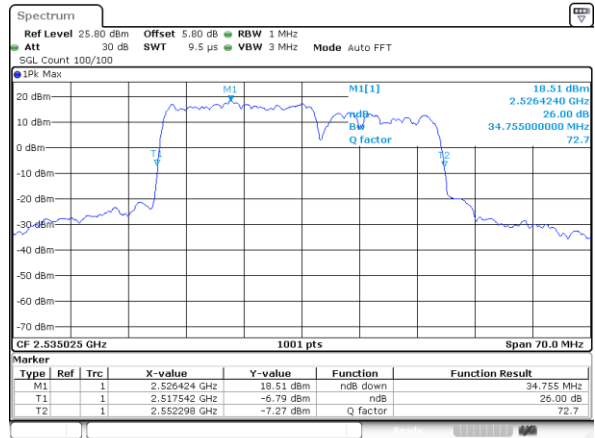
Date: 9,AUG,2020 01:28:20

Middle Channel / 20MHz+10MHz



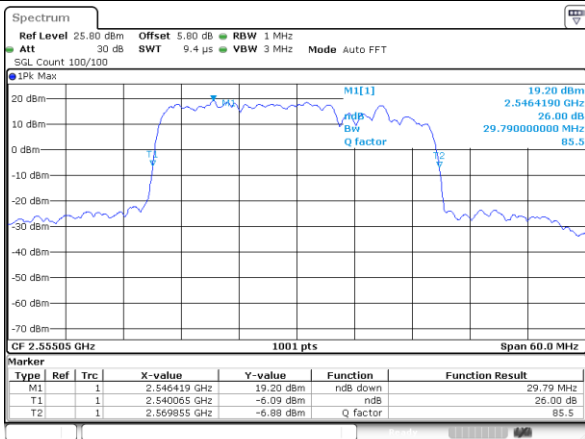
Date: 9,AUG,2020 00:02:40

Middle Channel / 20MHz+15MHz



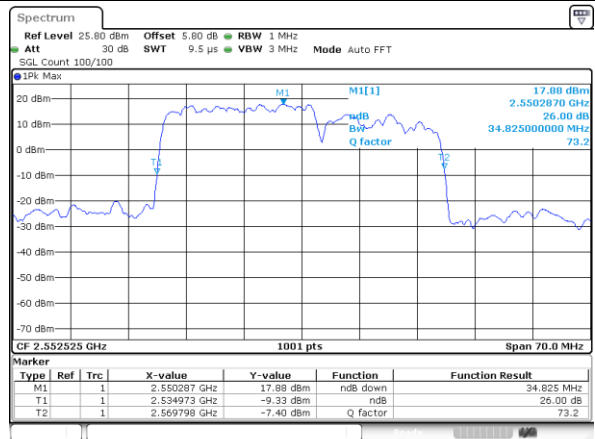
Date: 9,AUG,2020 02:01:50

Highest Channel / 20MHz+10MHz



Date: 9,AUG,2020 00:07:32

Highest Channel / 20MHz+15MHz



Date: 9,AUG,2020 02:07:01

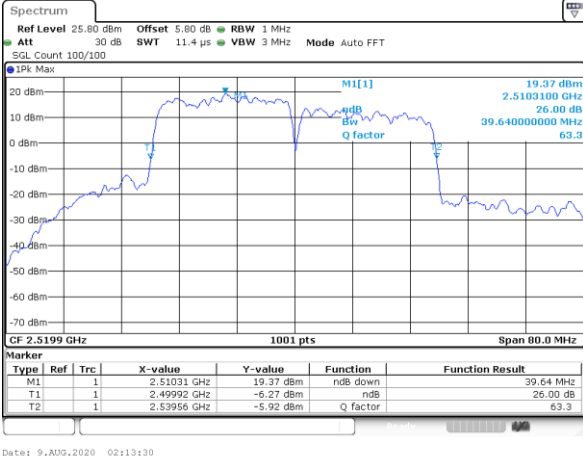


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

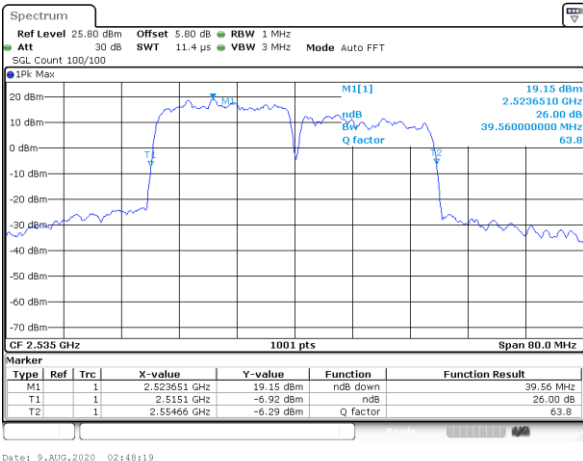
N/A



Date: 9_AUG.2020 02:13:30

Middle Channel / 20MHz+20MHz

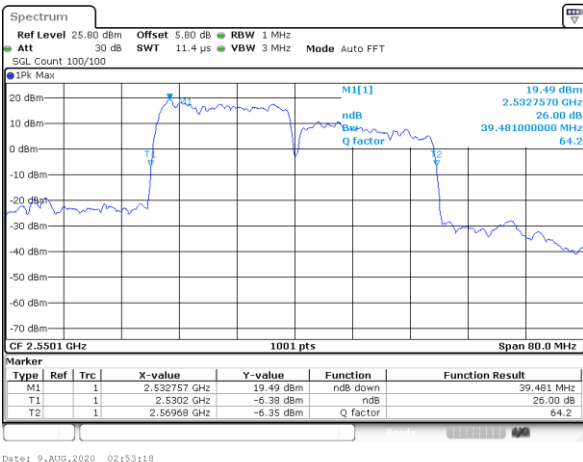
N/A



Date: 9_AUG.2020 02:18:19

Highest Channel / 20MHz+20MH

N/A



Date: 9_AUG.2020 02:53:18



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.43	28.77	32.80
Middle CH	27.57	23.38	28.59	32.45
Highest CH	27.93	23.08	28.29	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.59	37.48	-
Middle CH	27.75	32.80	37.48	-
Highest CH	27.69	32.94	37.00	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.29	23.38	28.47	32.59
Middle CH	28.11	23.13	28.59	32.31
Highest CH	27.09	23.08	28.29	32.24
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.45	37.40	-
Middle CH	28.23	32.73	37.32	-
Highest CH	27.75	31.89	37.08	-

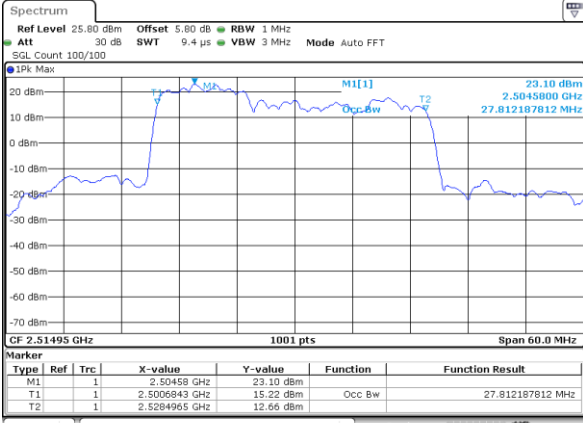
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.93	23.08	28.41	32.52
Middle CH	28.05	23.28	28.41	32.52
Highest CH	27.33	23.23	28.11	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.81	32.94	37.48	-
Middle CH	27.63	32.73	37.24	-
Highest CH	27.51	32.31	36.68	-



LTE Band 7C

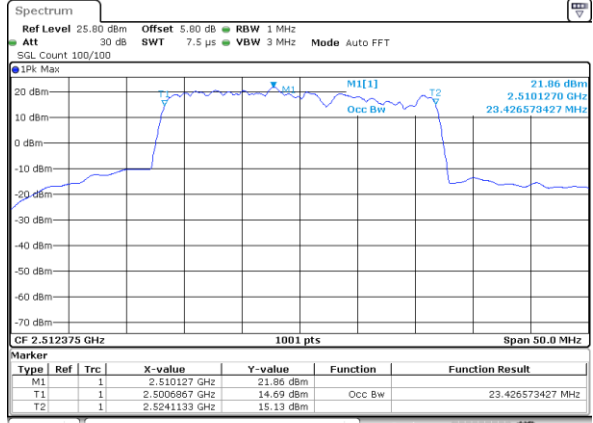
QPSK

Lowest Channel / 10MHz+20MHz



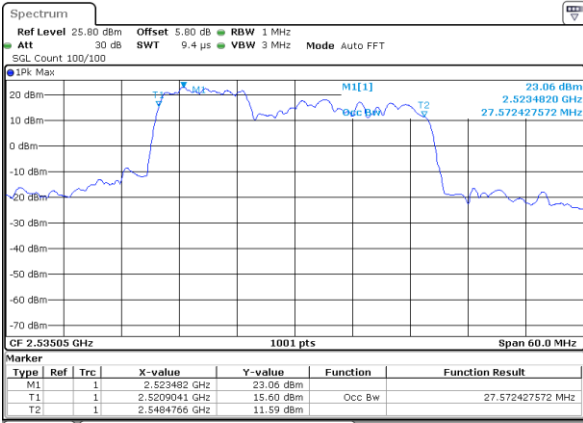
Date: 8.AUG.2020 22:09:03

Lowest Channel / 15MHz+10MHz



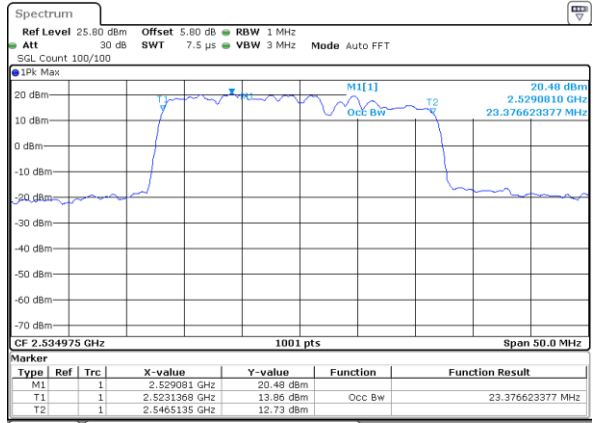
Date: 9.AUG.2020 03:01:02

Middle Channel / 10MHz+20MHz



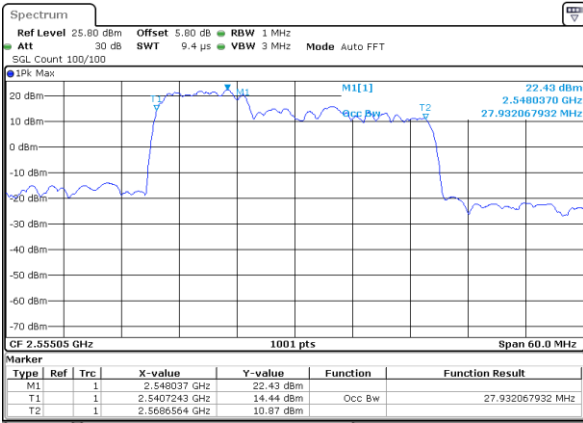
Date: 8.AUG.2020 21:54:27

Middle Channel / 15MHz+10MHz



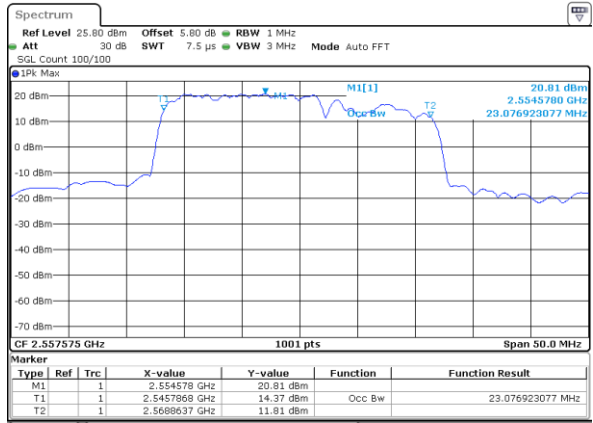
Date: 9.AUG.2020 03:08:21

Highest Channel / 10MHz+20MHz



Date: 8.AUG.2020 22:35:47

Highest Channel / 15MHz+10MHz



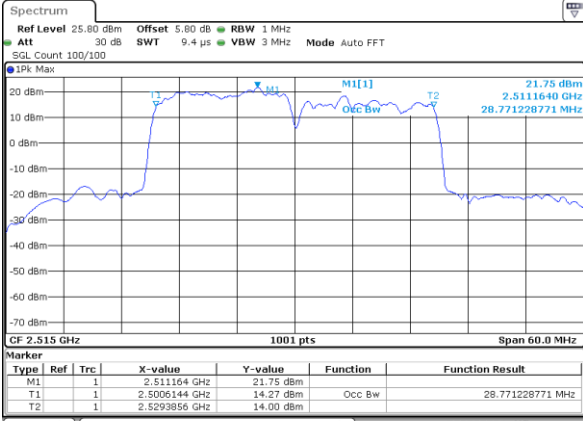
Date: 9.AUG.2020 03:12:48



LTE Band 7C

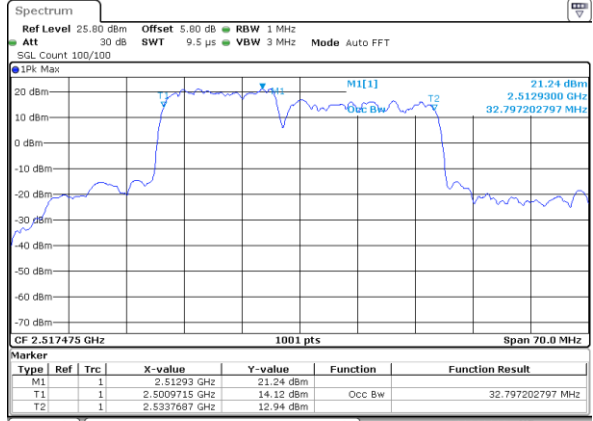
QPSK

Lowest Channel / 15MHz+15MHz



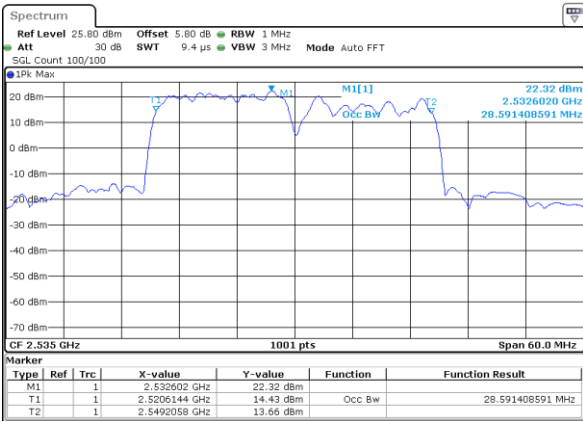
Date: 9.AUG.2020 00:15:14

Lowest Channel / 15MHz+20MHz



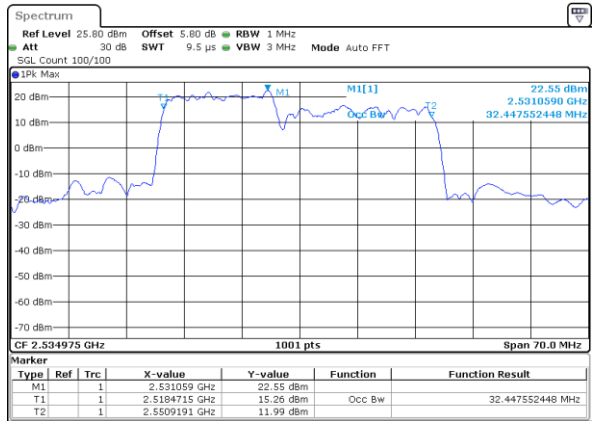
Date: 9.AUG.2020 01:09:59

Middle Channel / 15MHz+15MHz



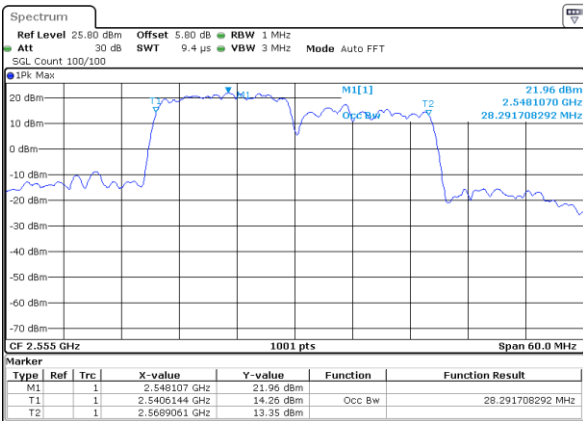
Date: 9.AUG.2020 00:15:13

Middle Channel / 15MHz+20MHz



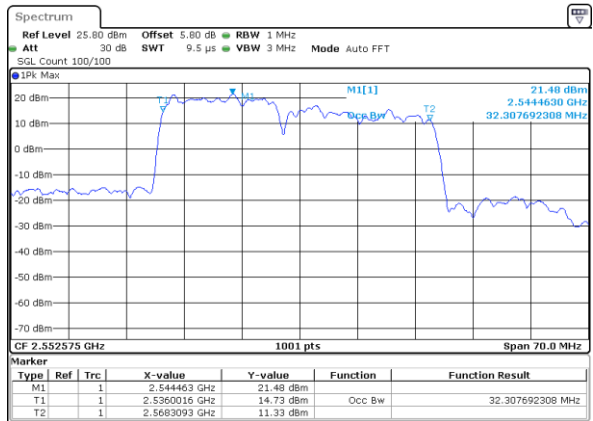
Date: 9.AUG.2020 01:15:55

Highest Channel / 15MHz+15MHz



Date: 9.AUG.2020 01:00:57

Highest Channel / 15MHz+20MHz



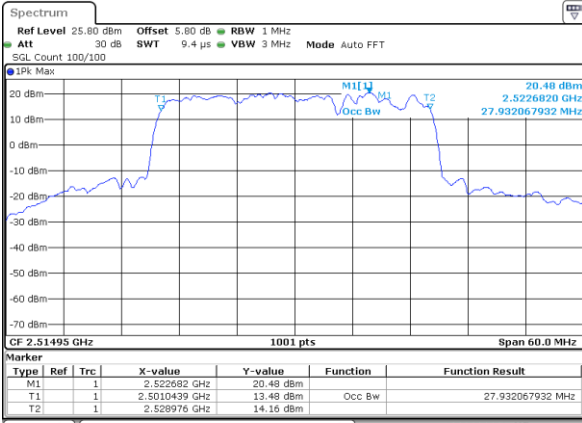
Date: 9.AUG.2020 01:20:34



LTE Band 7C

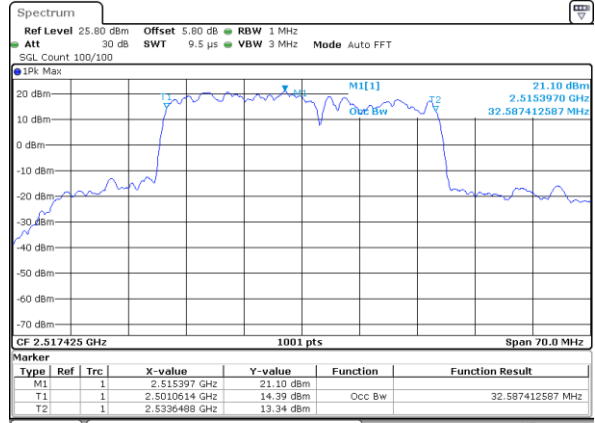
QPSK

Lowest Channel / 20MHz+10MHz



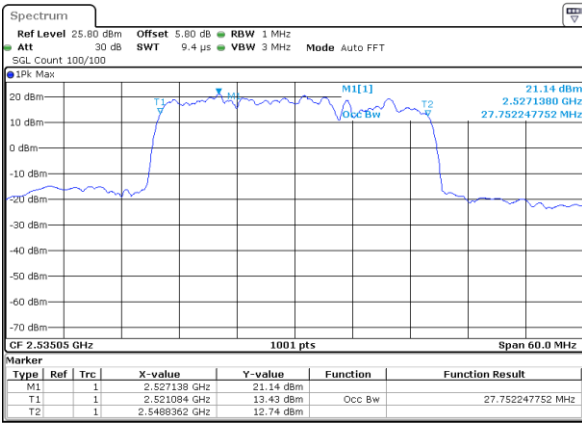
Date: 8.AUG.2020 23:55:01

Lowest Channel / 20MHz+15MHz



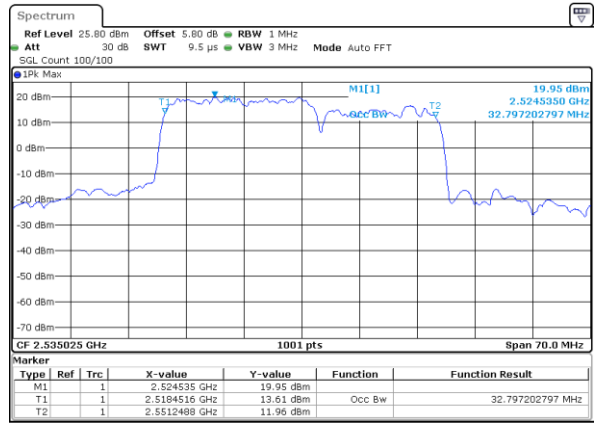
Date: 9.AUG.2020 01:29:33

Middle Channel / 20MHz+10MHz



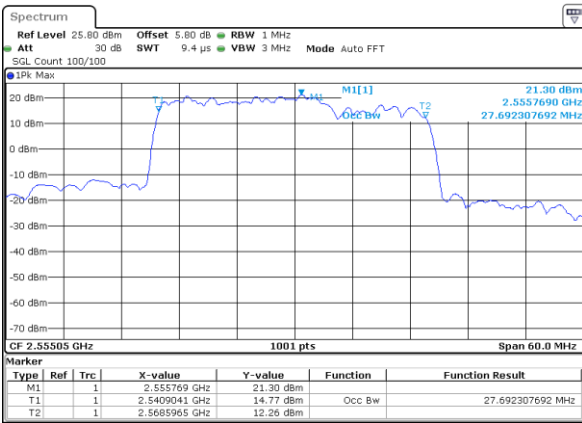
Date: 9.AUG.2020 00:03:15

Middle Channel / 20MHz+15MHz



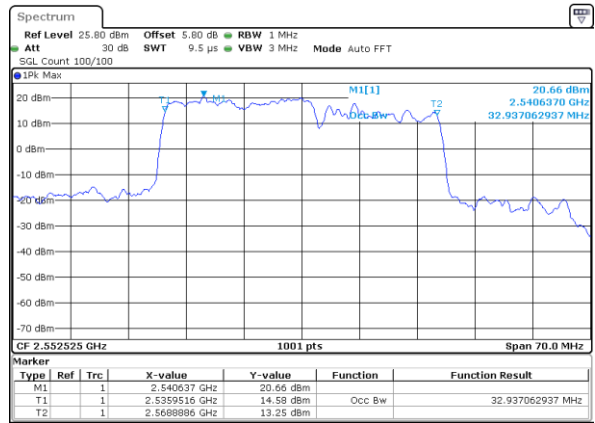
Date: 9.AUG.2020 02:00:49

Highest Channel / 20MHz+10MHz



Date: 9.AUG.2020 00:08:49

Highest Channel / 20MHz+15MHz



Date: 9.AUG.2020 02:05:36

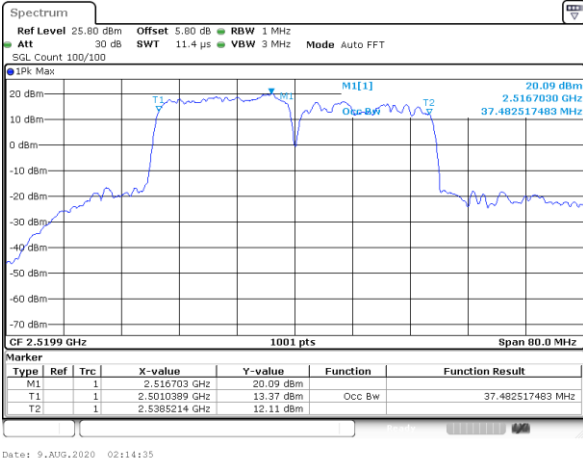


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

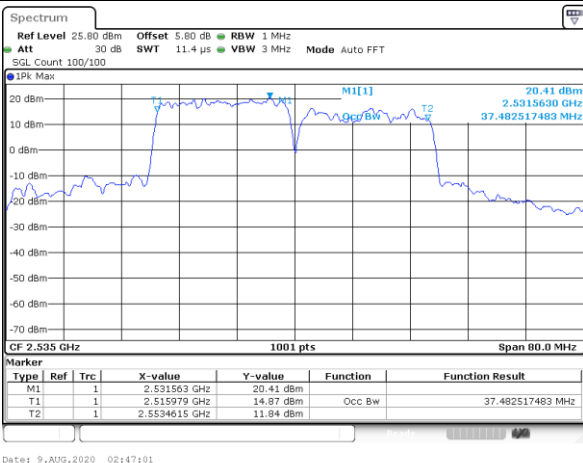
N/A



Date: 9.AUG.2020 02:14:35

Middle Channel / 20MHz+20MHz

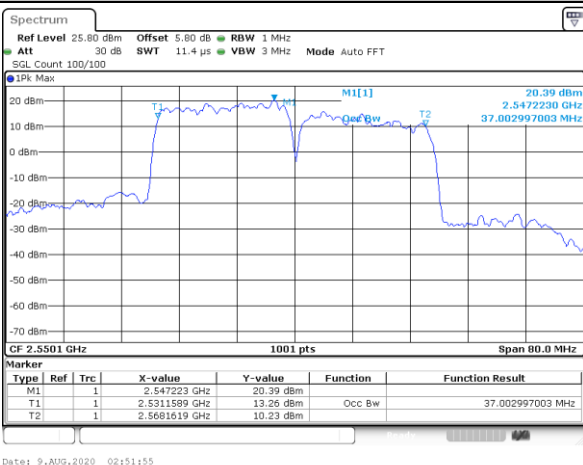
N/A



Date: 9.AUG.2020 02:17:01

Highest Channel / 20MHz+20MHz

N/A



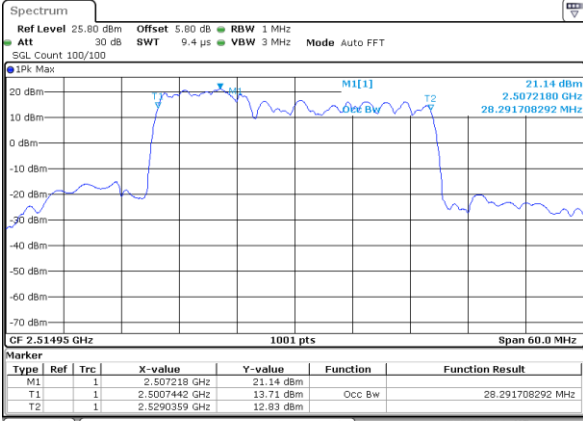
Date: 9.AUG.2020 02:51:55



LTE Band 7C

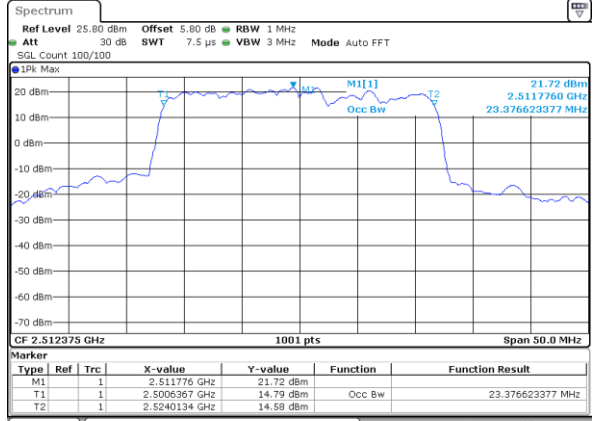
16QAM

Lowest Channel / 10MHz+20MHz



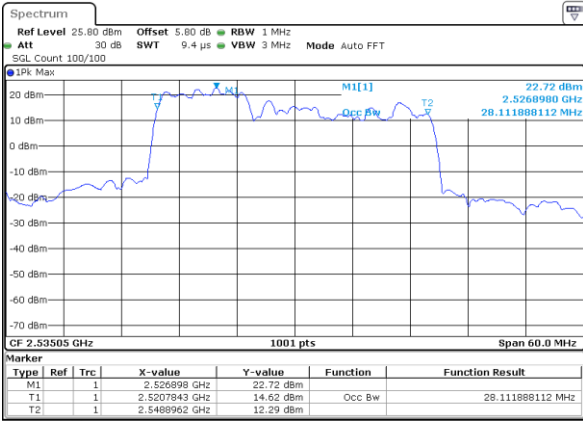
Date: 8.AUG.2020 22:09:31

Lowest Channel / 15MHz+10MHz



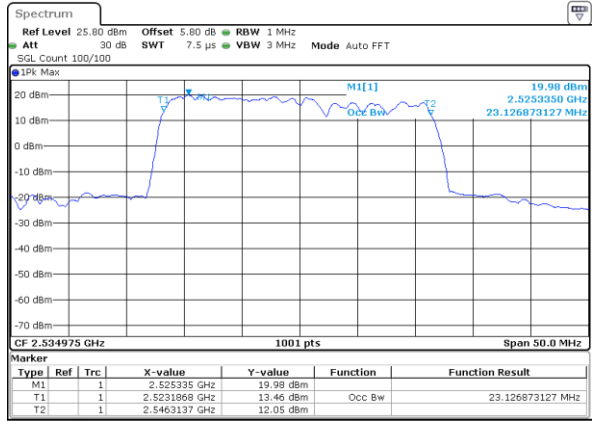
Date: 9.AUG.2020 03:00:22

Middle Channel / 10MHz+20MHz



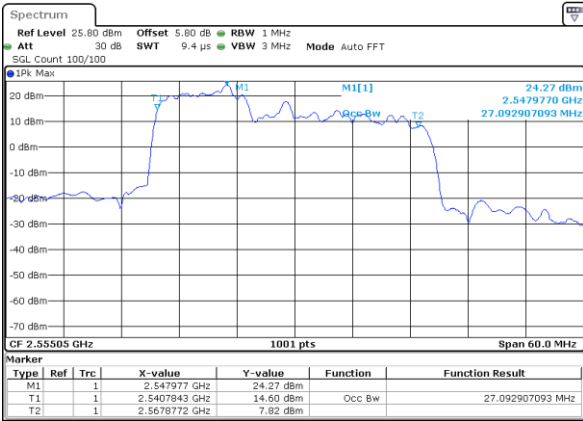
Date: 8.AUG.2020 21:56:49

Middle Channel / 15MHz+10MHz



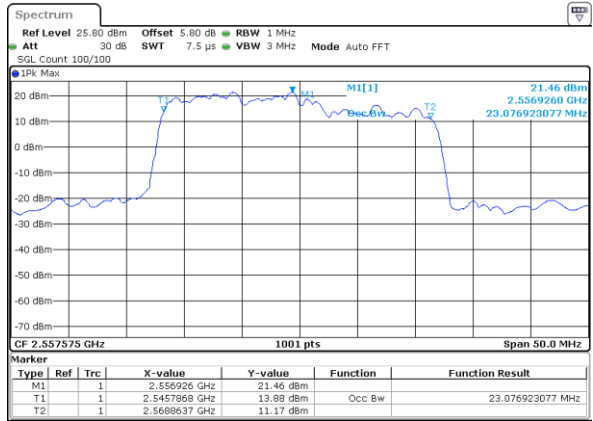
Date: 9.AUG.2020 03:00:42

Highest Channel / 10MHz+20MHz



Date: 8.AUG.2020 22:35:08

Highest Channel / 15MHz+10MHz



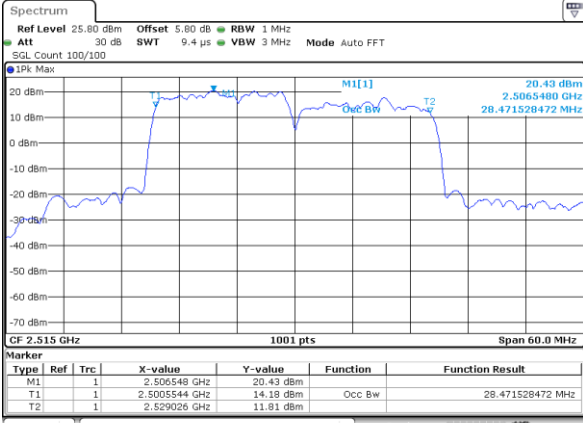
Date: 9.AUG.2020 03:13:30



LTE Band 7C

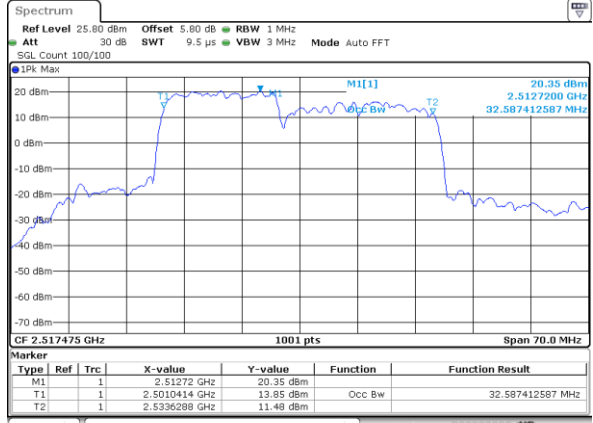
16QAM

Lowest Channel / 15MHz+15MHz



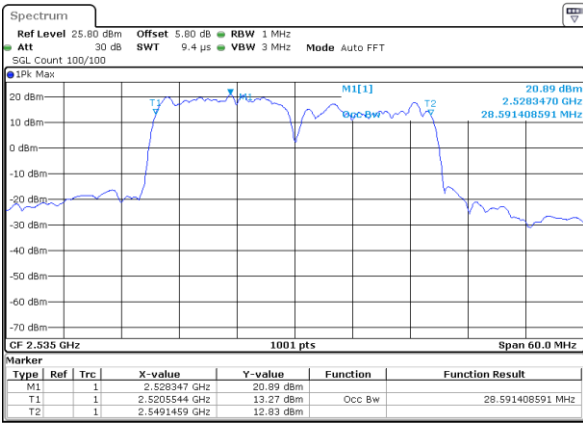
Date: 9.AUG.2020 00:15:51

Lowest Channel / 15MHz+20MHz



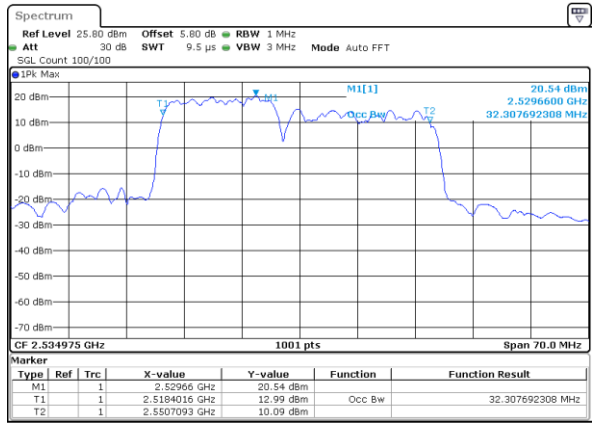
Date: 9.AUG.2020 01:09:26

Middle Channel / 15MHz+15MHz



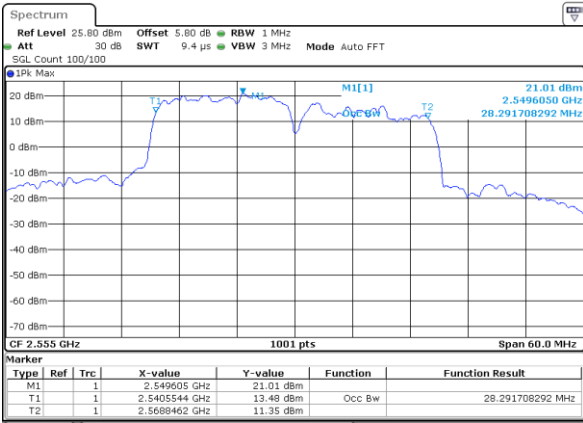
Date: 9.AUG.2020 00:47:08

Middle Channel / 15MHz+20MHz



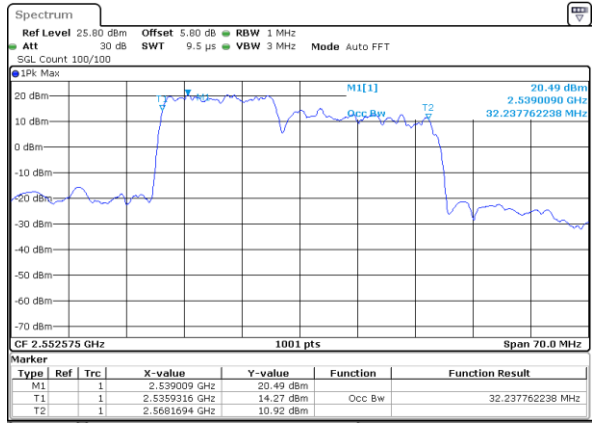
Date: 9.AUG.2020 01:16:24

Highest Channel / 15MHz+15MHz



Date: 9.AUG.2020 01:01:59

Highest Channel / 15MHz+20MHz



Date: 9.AUG.2020 01:21:34