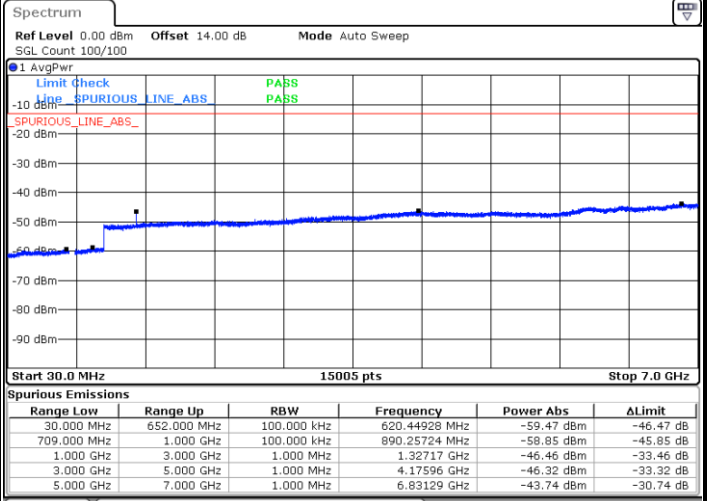
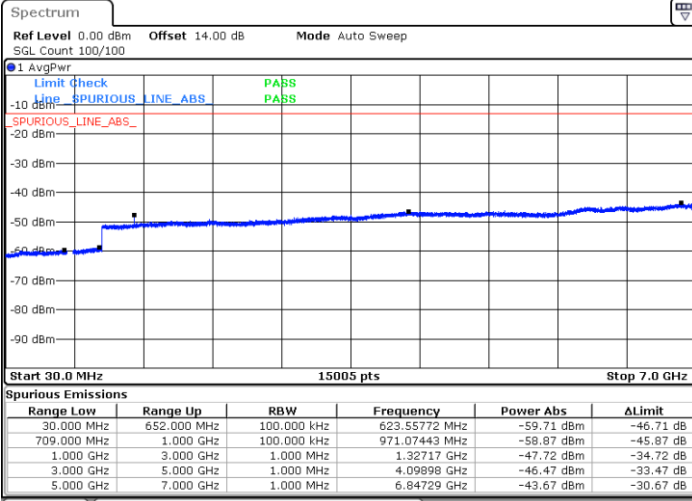




LTE Band 71 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

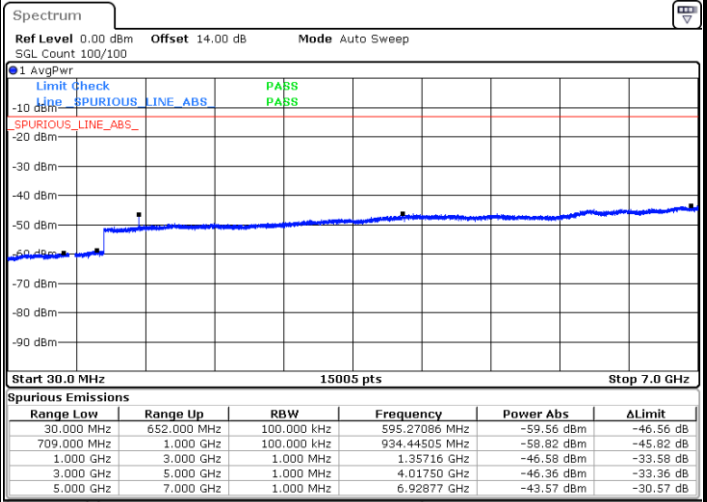
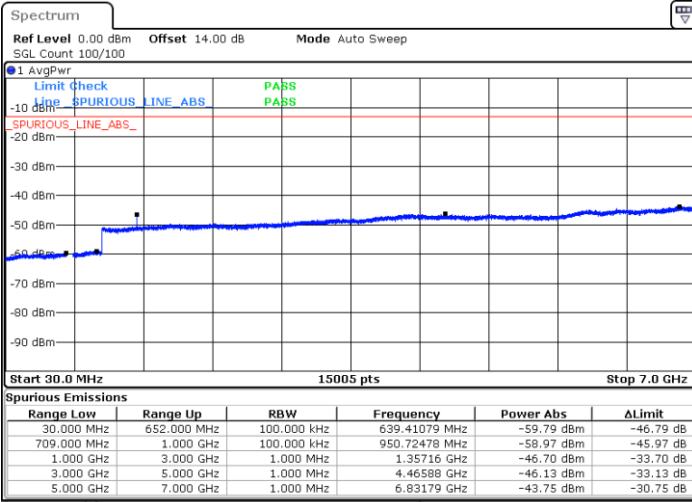


Date: 19.DEC.2020 10:35:19

Date: 19.DEC.2020 10:34:13

Middle Channel / QPSK

Middle Channel / 16QAM



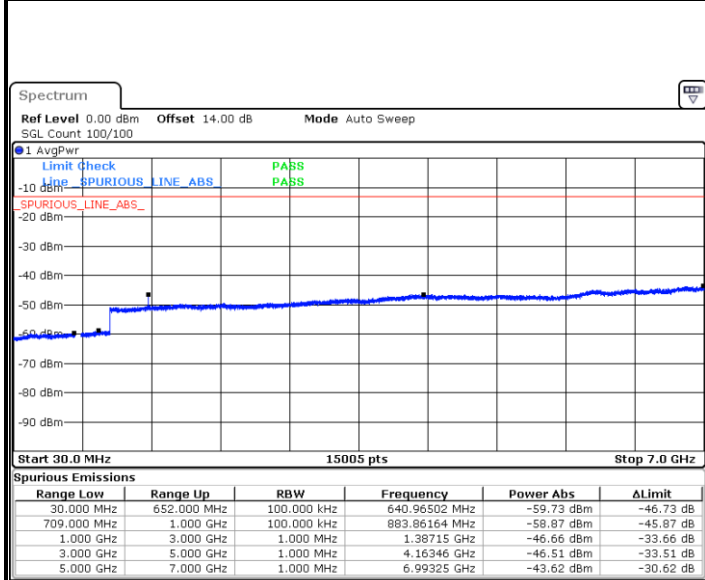
Date: 19.DEC.2020 10:37:20

Date: 19.DEC.2020 10:37:55



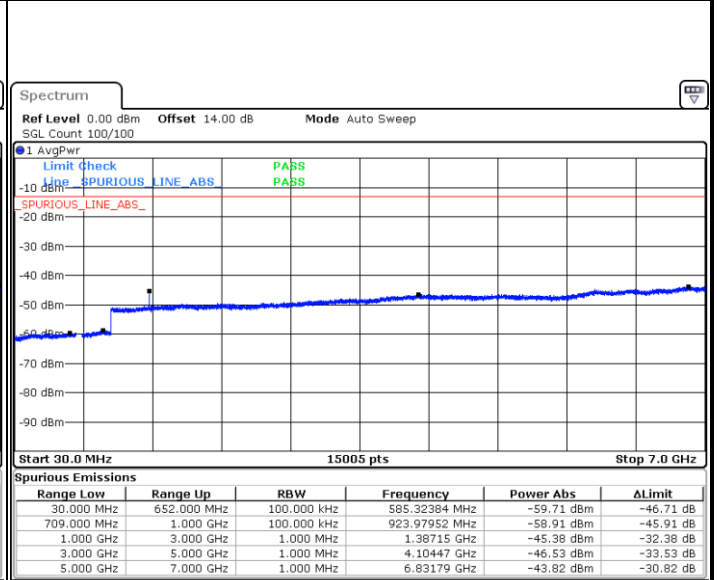
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 19.DEC.2020 10:44:35

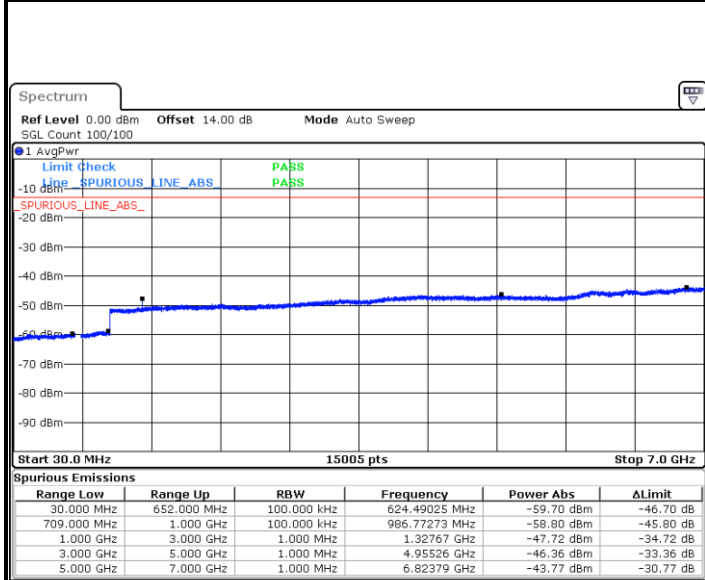
Highest Channel / 16QAM



Date: 19.DEC.2020 10:44:18

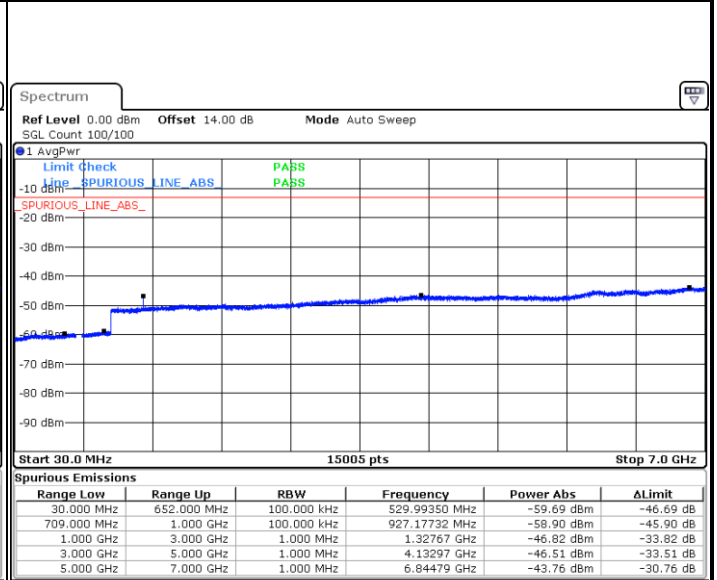
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 19.DEC.2020 10:53:51

Lowest Channel / 16QAM



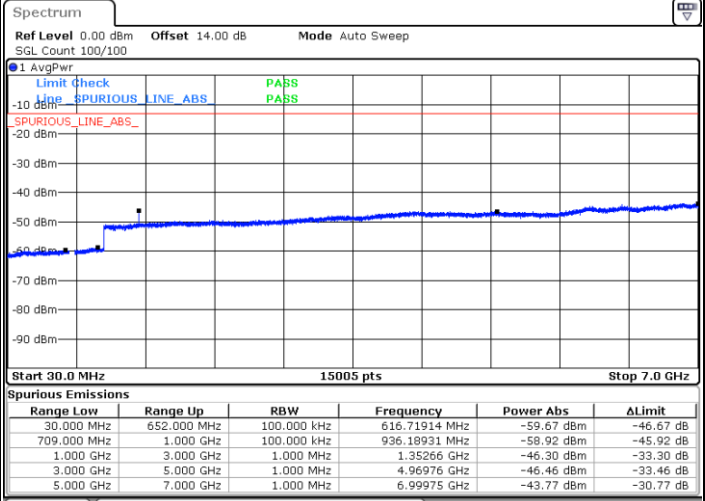
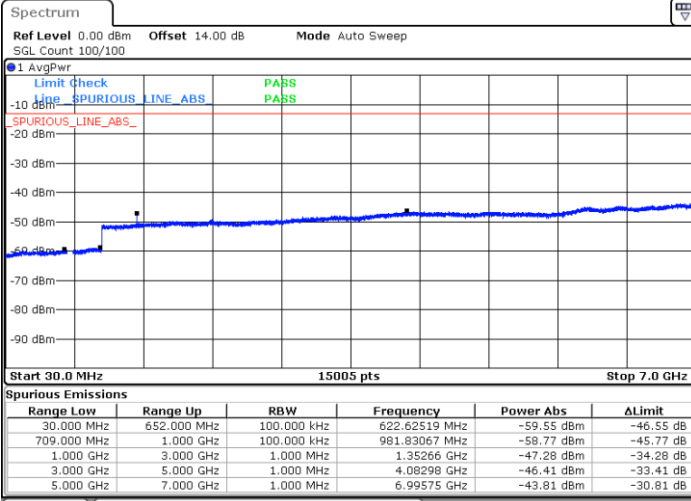
Date: 19.DEC.2020 10:52:55



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

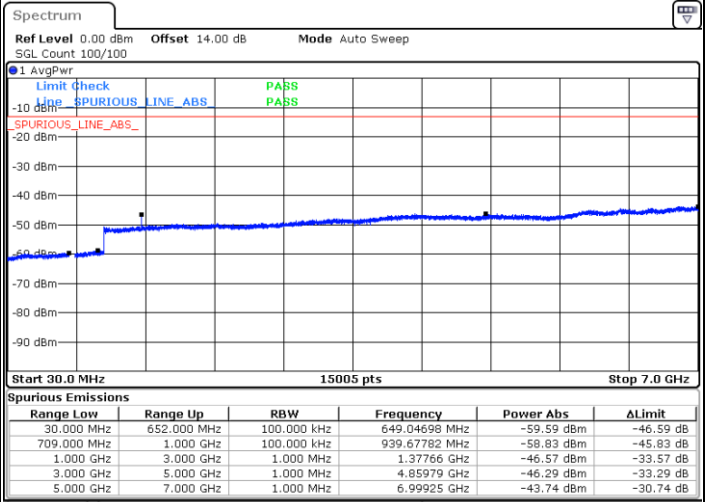
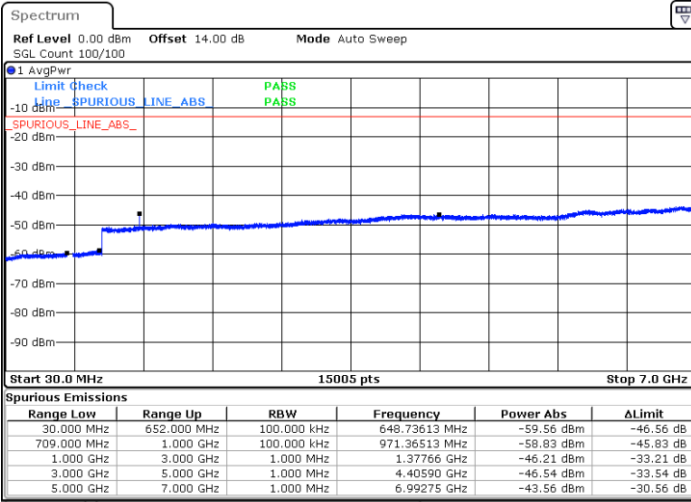


Date: 19 DEC.2020 10:54:26

Date: 19 DEC.2020 10:54:55

Highest Channel / QPSK

Highest Channel / 16QAM

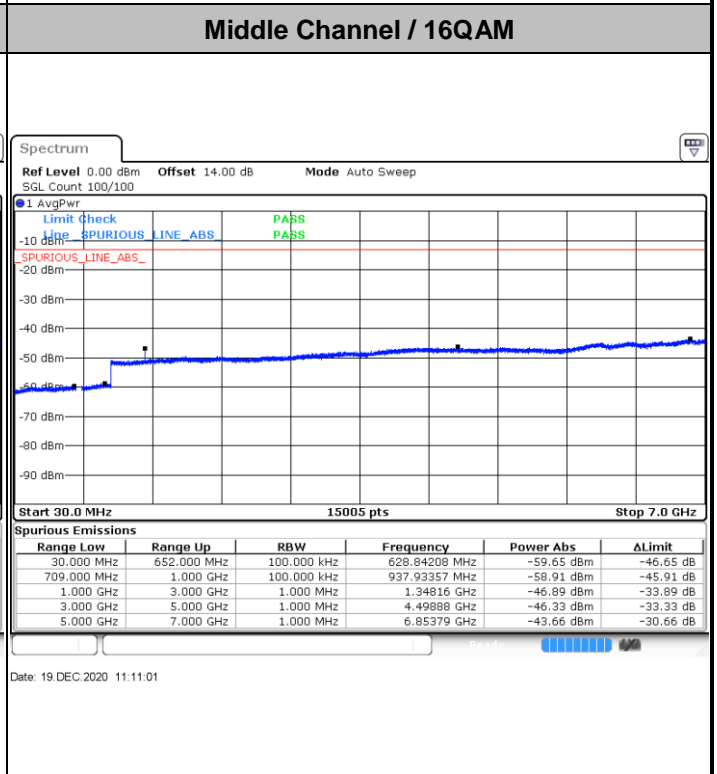
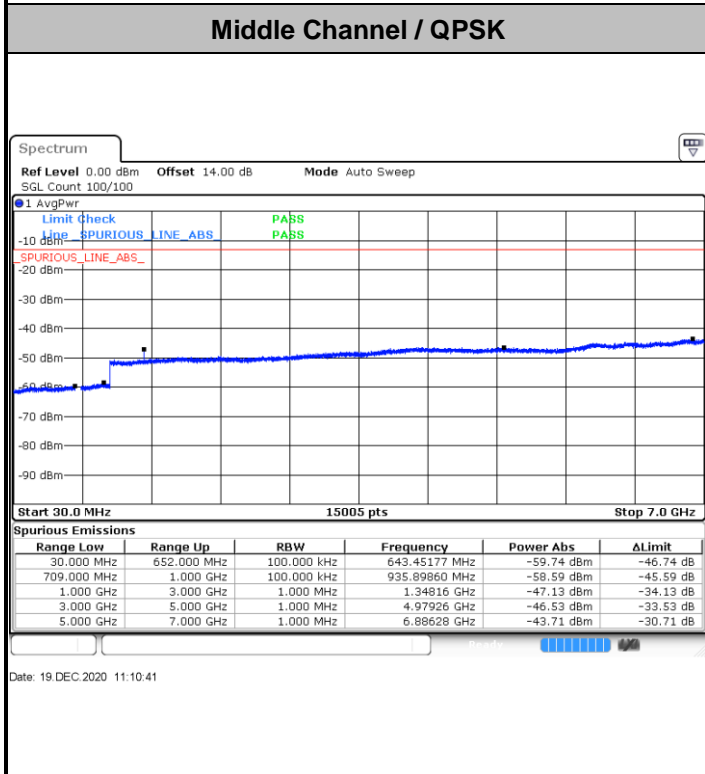
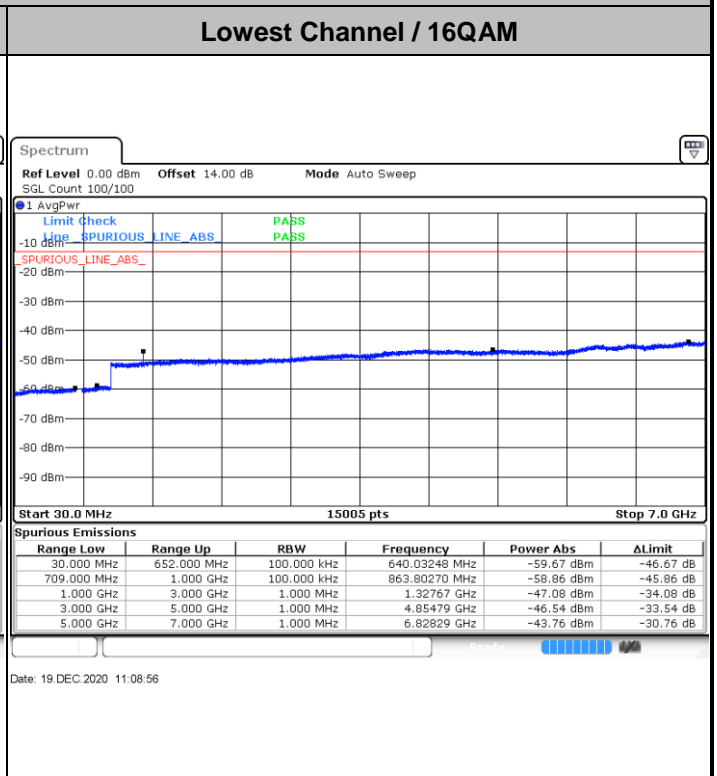
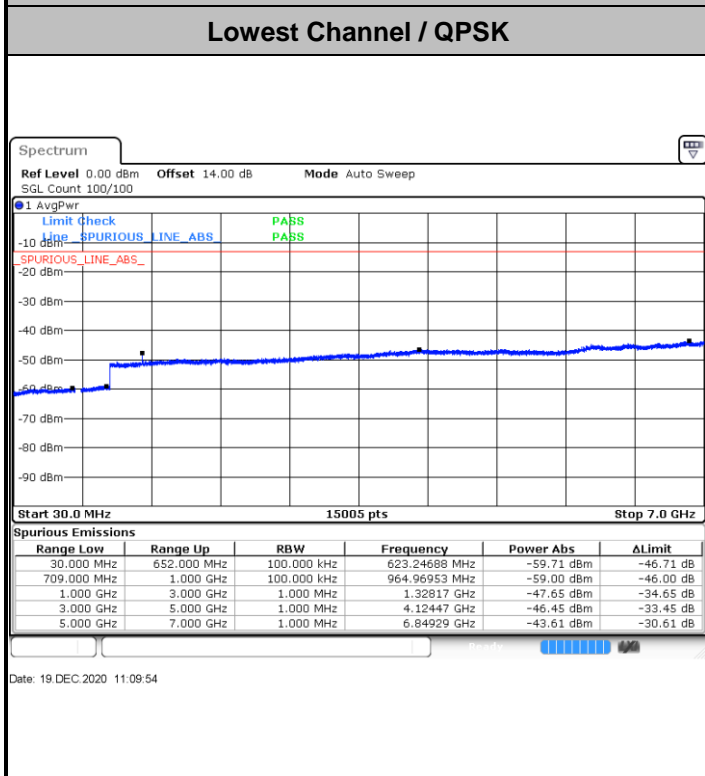


Date: 19 DEC.2020 11:01:00

Date: 19 DEC.2020 11:00:42



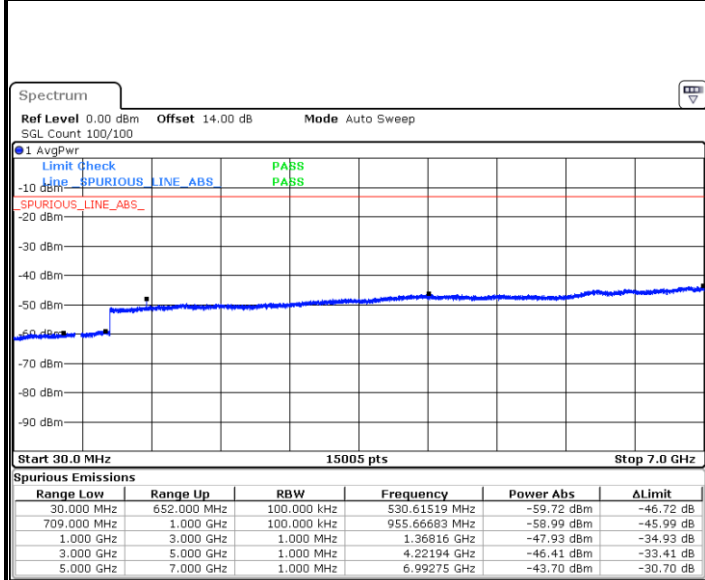
LTE Band 71 / 15MHz





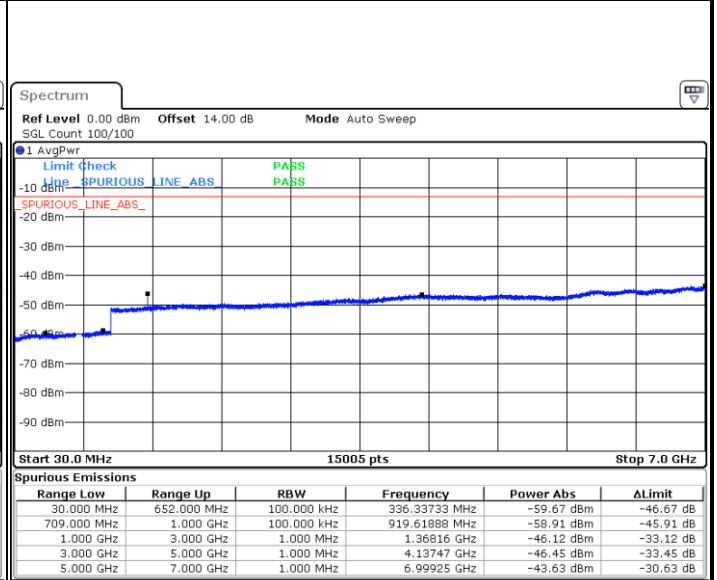
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 19.DEC.2020 11:19:42

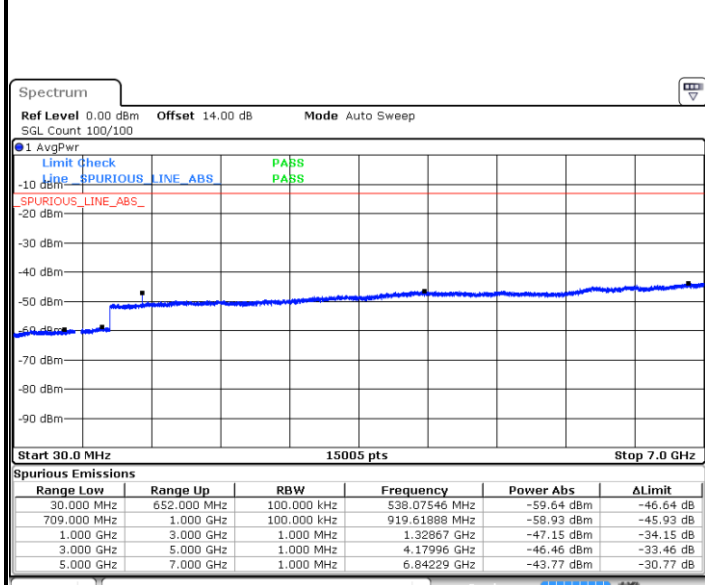
Highest Channel / 16QAM



Date: 19.DEC.2020 11:19:24

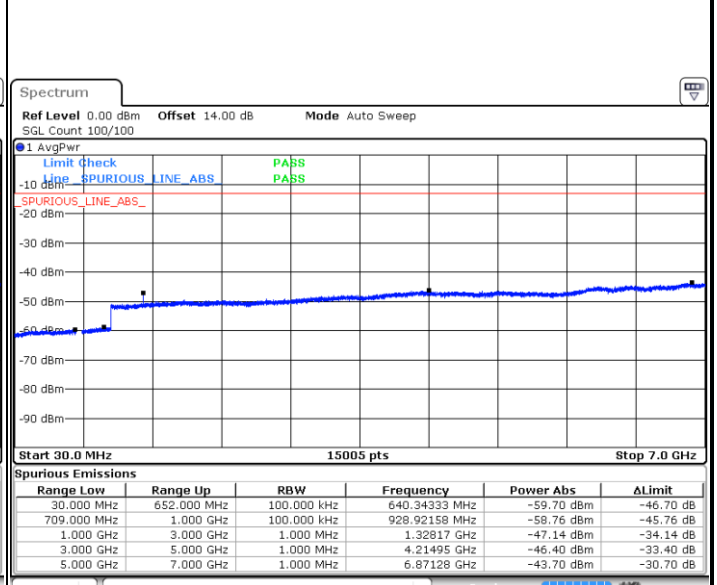
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 19.DEC.2020 11:49:21

Lowest Channel / 16QAM



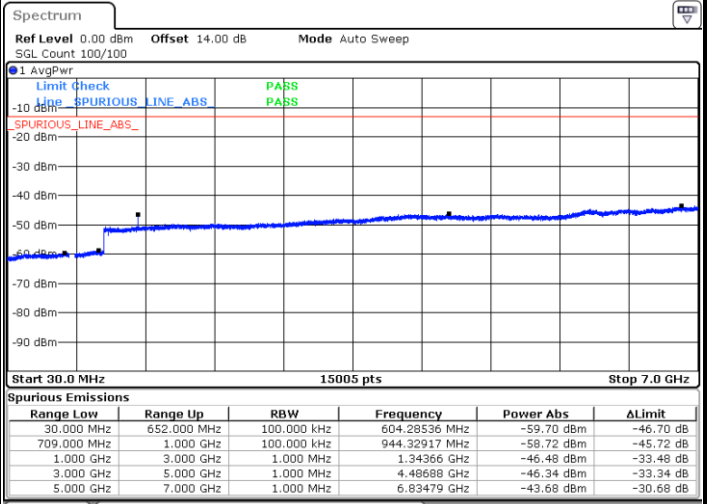
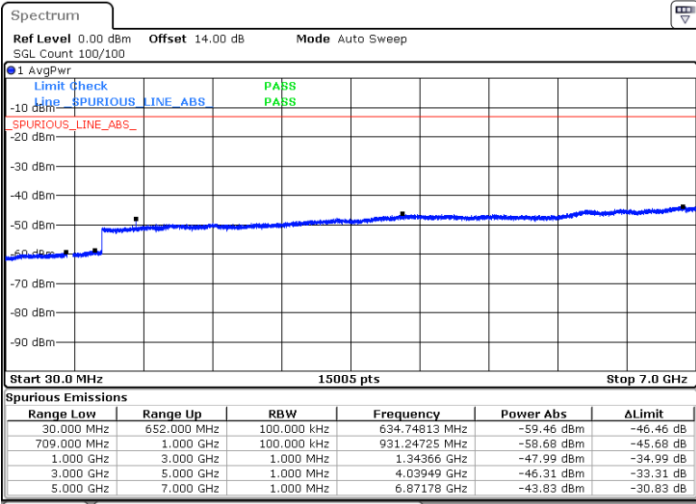
Date: 19.DEC.2020 11:48:54



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

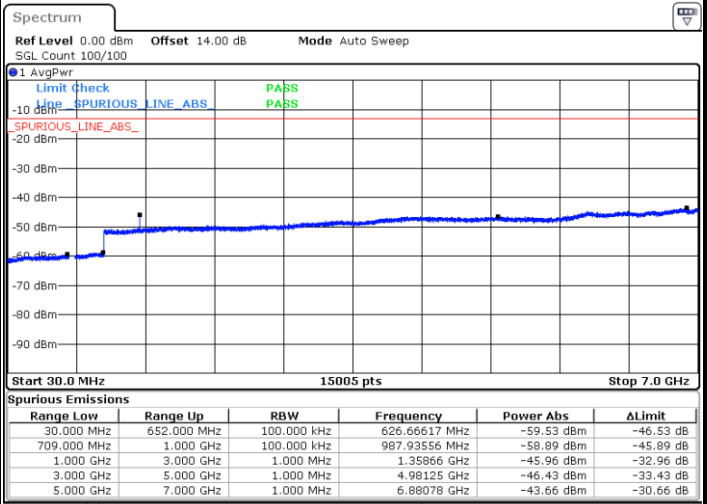
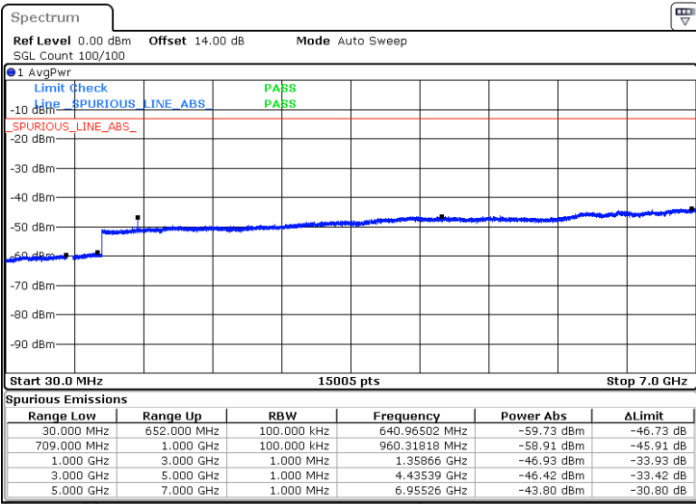


Date: 19.DEC.2020 12:12:23

Date: 19.DEC.2020 12:12:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.DEC.2020 12:18:58

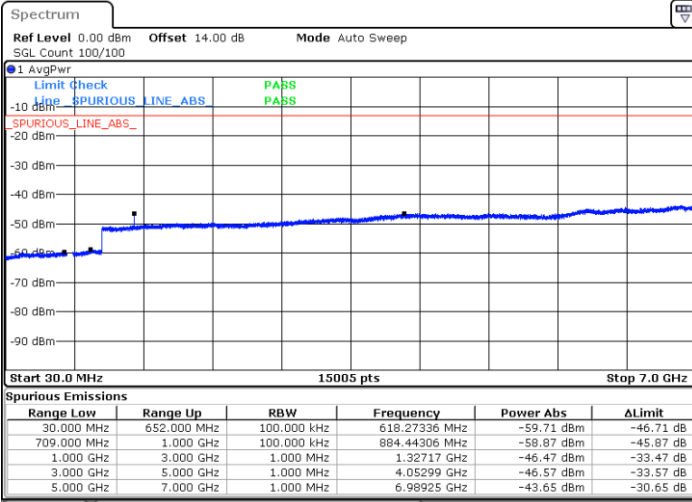
Date: 19.DEC.2020 12:18:36



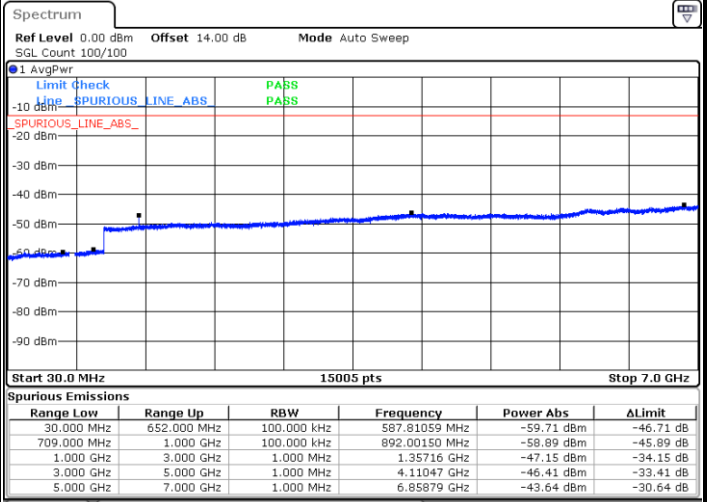
LTE Band 71 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

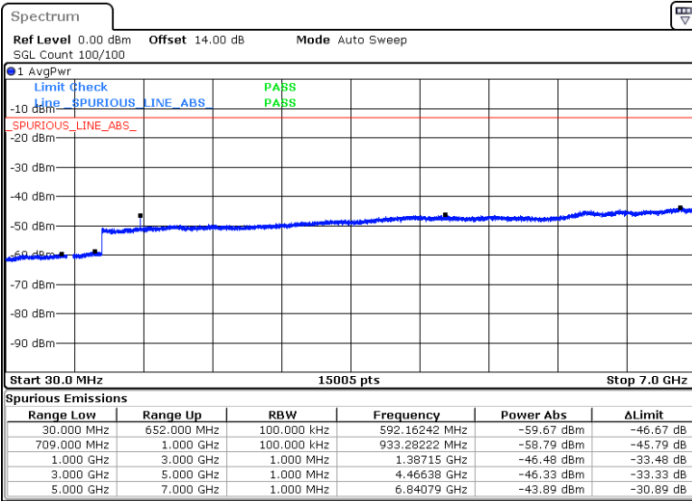


Date: 19.DEC.2020 10:31:34



Date: 19.DEC.2020 10:38:15

Highest Channel / 64QAM



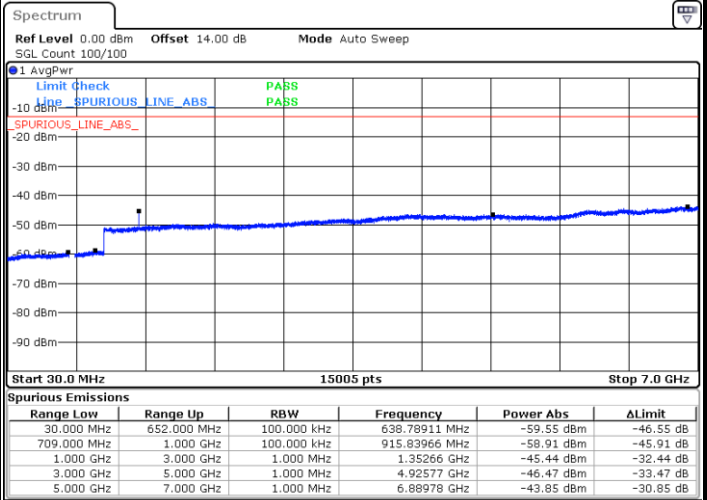
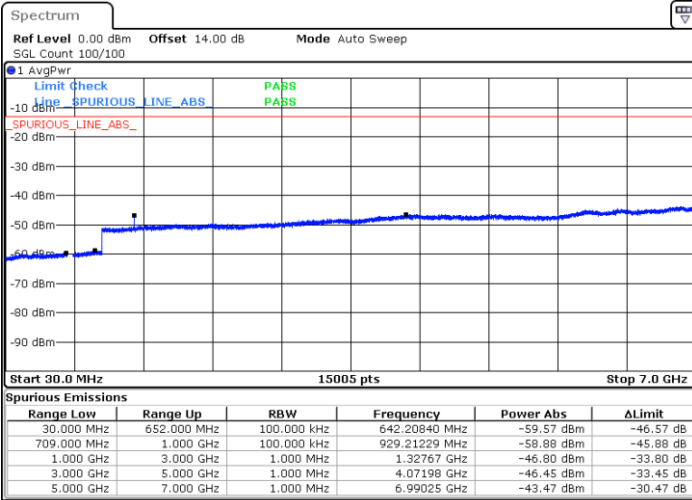
Date: 19.DEC.2020 10:43:59



LTE Band 71 / 10MHz

Lowest Channel / 64QAM

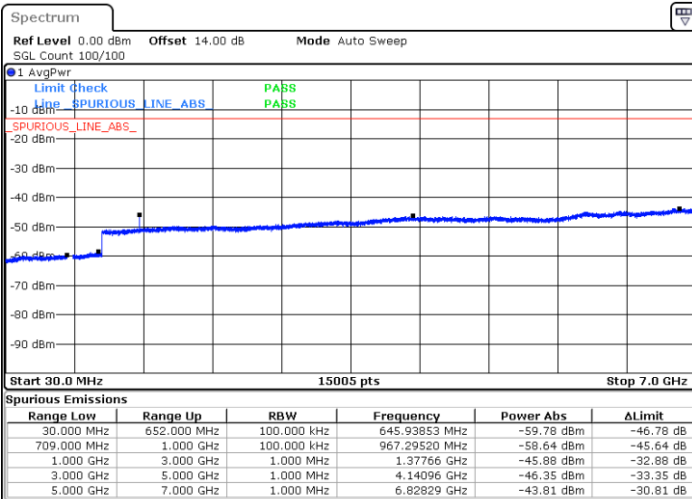
Middle Channel / 64QAM



Date: 19.DEC.2020 10:52:05

Date: 19.DEC.2020 10:55:15

Highest Channel / 64QAM



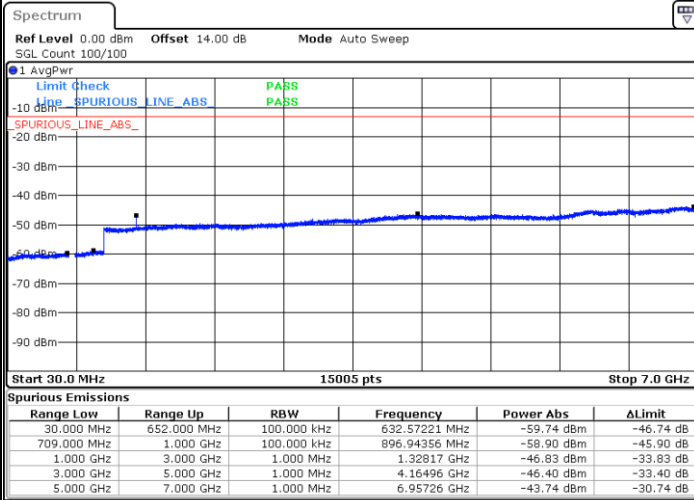
Date: 19.DEC.2020 11:00:20



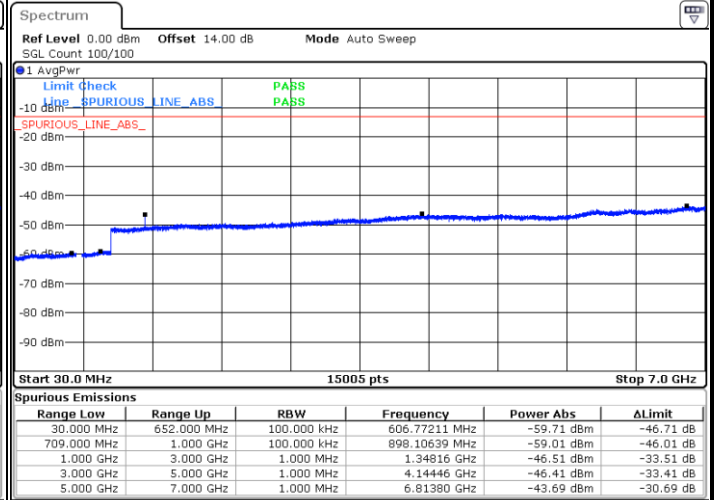
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

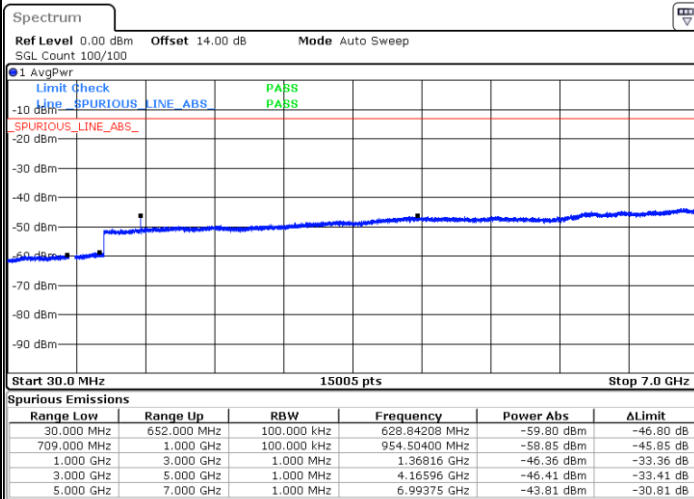


Date: 19.DEC.2020 11:07:50



Date: 19.DEC.2020 11:11:21

Highest Channel / 64QAM

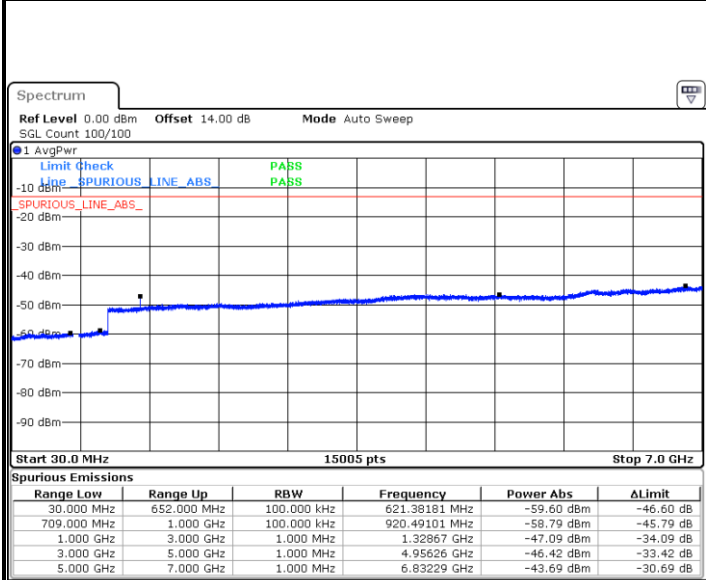


Date: 19.DEC.2020 11:19:05



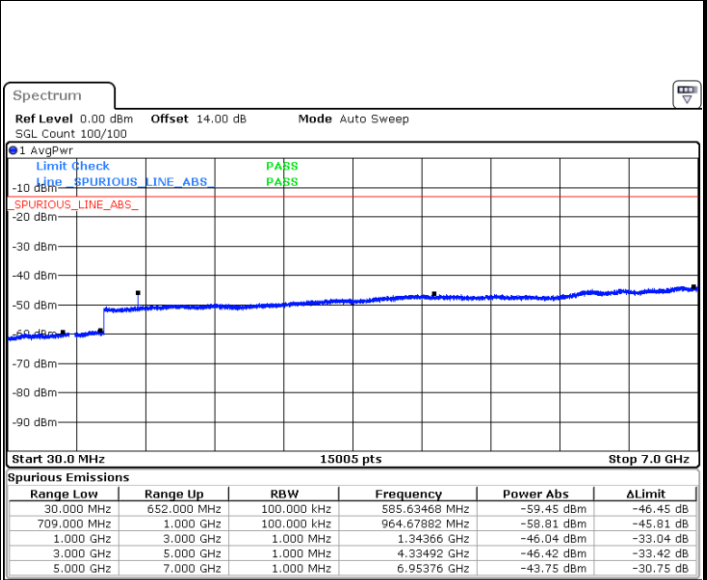
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



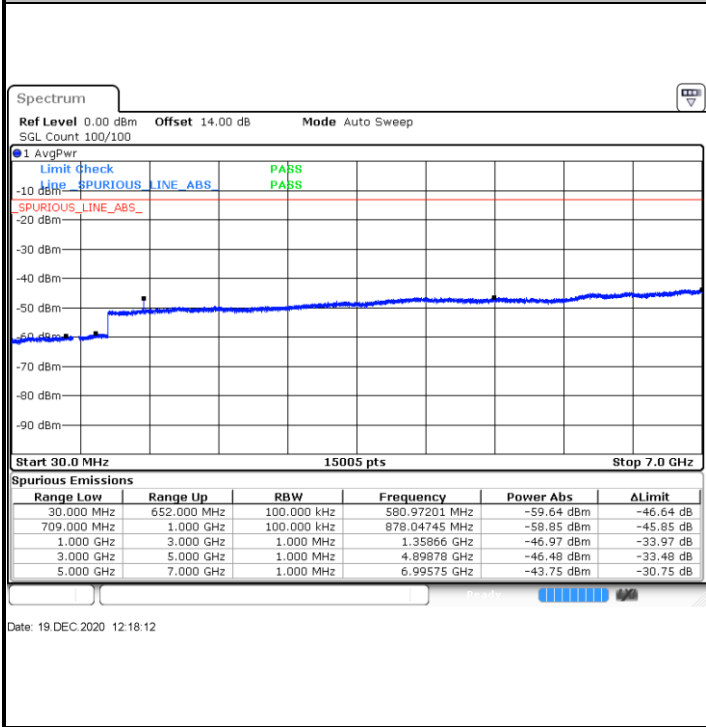
Date: 19.DEC.2020 11:48:36

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	-

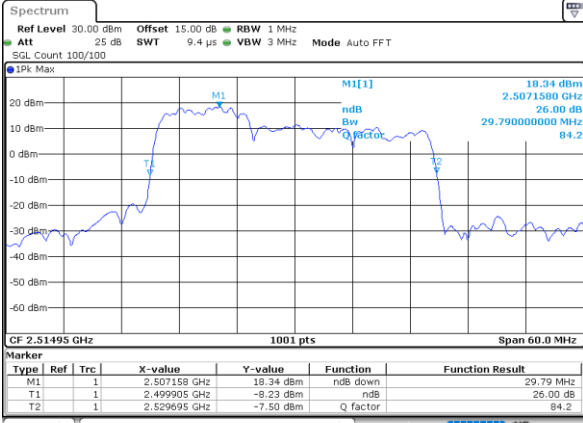
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.08	30.39	34.90
Middle CH	29.79	25.23	30.51	34.83
Highest CH	29.85	25.08	30.45	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.79	34.90	39.72	-
Middle CH	29.85	34.76	39.56	-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



LTE Band 7C

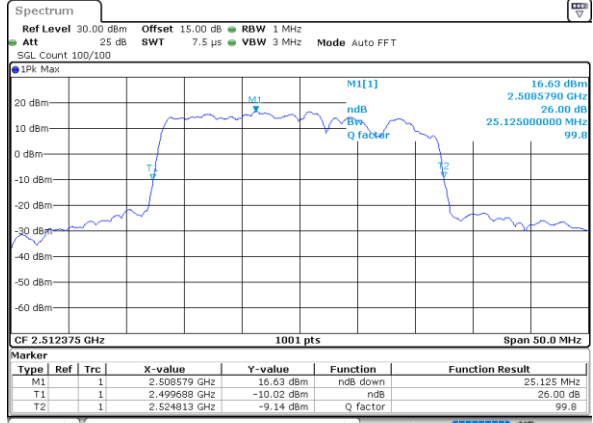
QPSK

Lowest Channel / 10MHz+20MHz



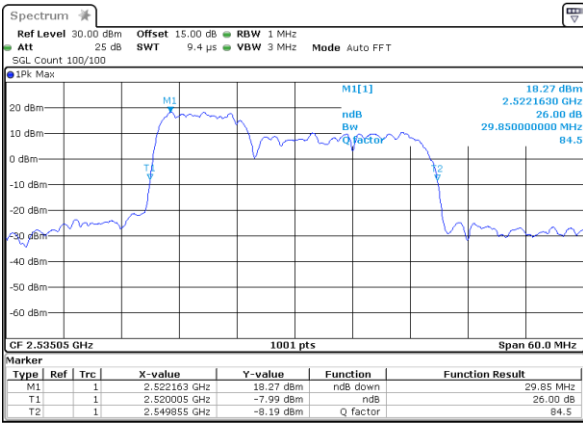
Date: 4.JAN.2021 22:08:06

Lowest Channel / 15MHz+10MHz



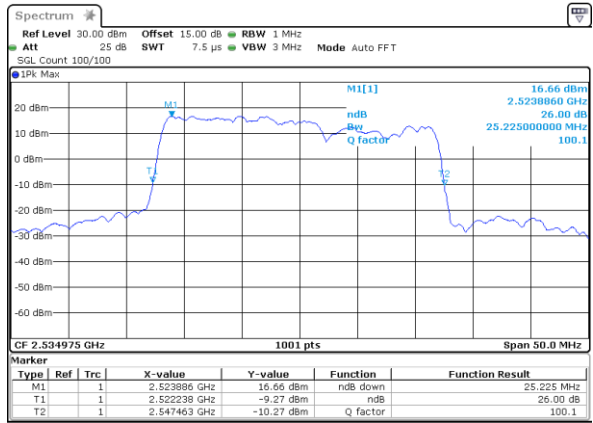
Date: 5.JAN.2021 00:38:09

Middle Channel / 10MHz+20MHz



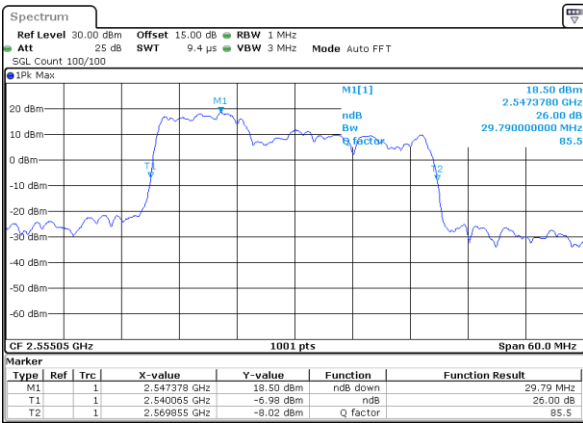
Date: 4.JAN.2021 23:12:08

Middle Channel / 15MHz+10MHz



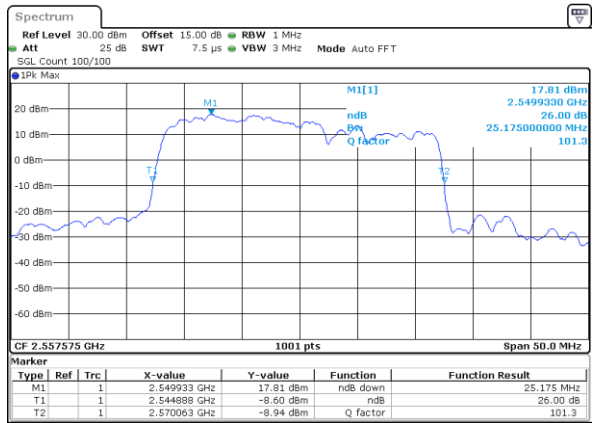
Date: 5.JAN.2021 01:03:53

Highest Channel / 10MHz+20MHz



Date: 4.JAN.2021 23:35:12

Highest Channel / 15MHz+10MHz



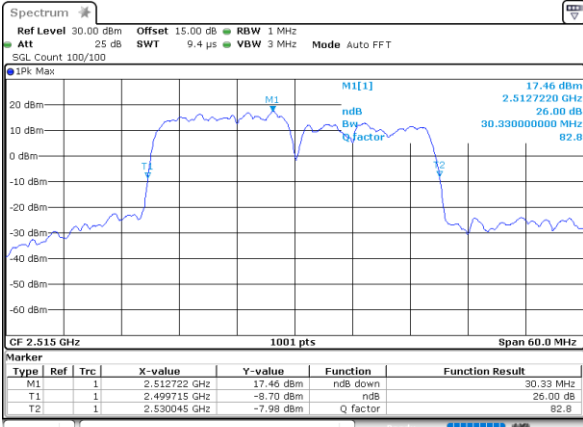
Date: 5.JAN.2021 01:20:22



LTE Band 7C

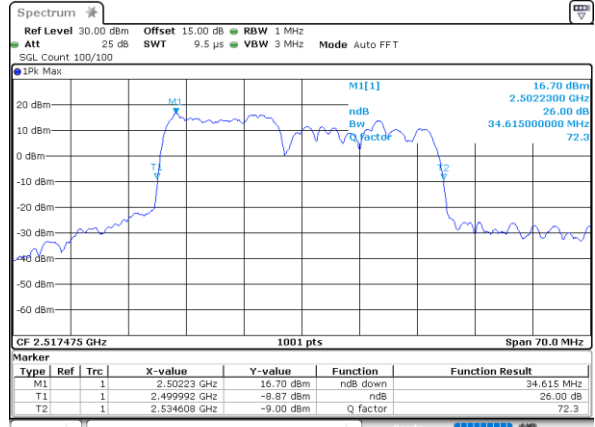
QPSK

Lowest Channel / 15MHz+15MHz



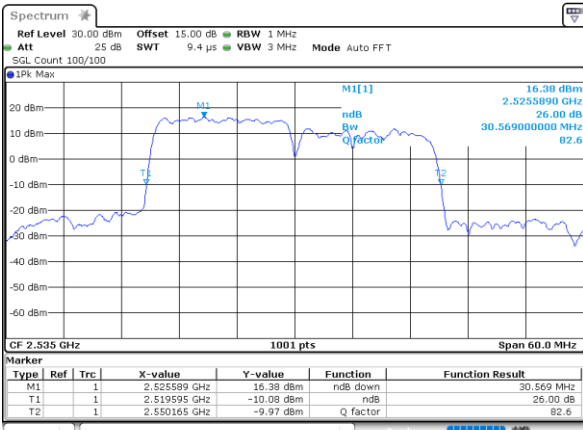
Date: 4.JAN.2021 20:36:13

Lowest Channel / 15MHz+20MHz



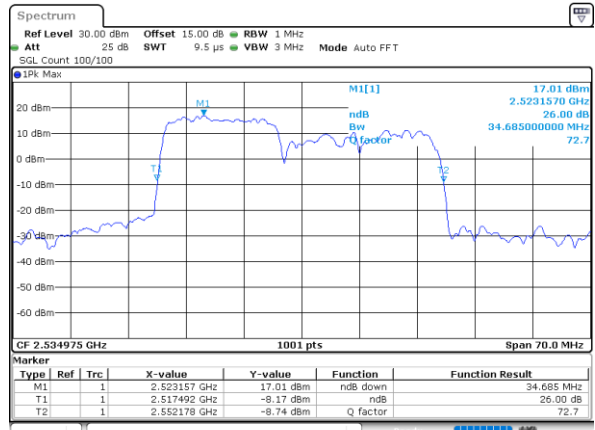
Date: 4.JAN.2021 19:25:24

Middle Channel / 15MHz+15MHz



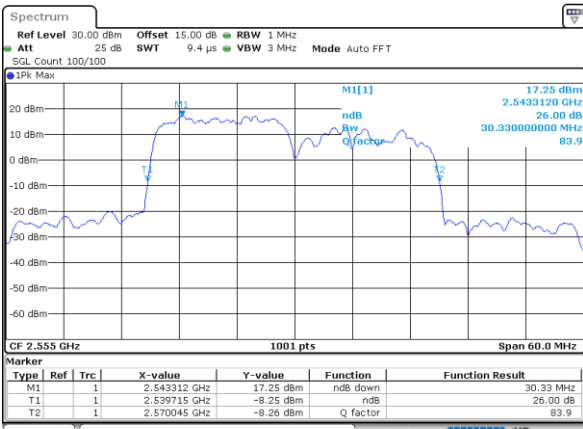
Date: 4.JAN.2021 21:00:18

Middle Channel / 15MHz+20MHz



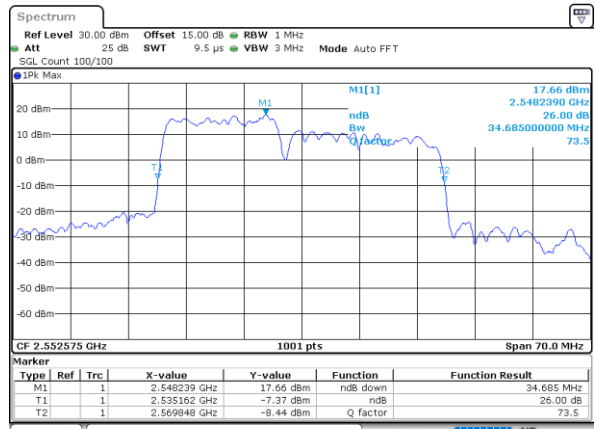
Date: 4.JAN.2021 19:49:03

Highest Channel / 15MHz+15MHz



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

Highest Channel / 15MHz+20MHz



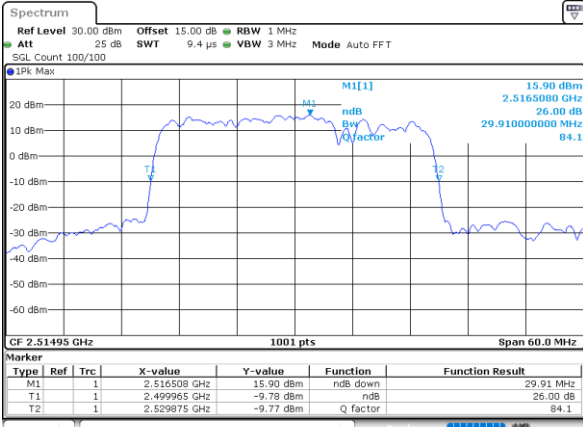
Date: 4.JAN.2021 20:05:24



LTE Band 7C

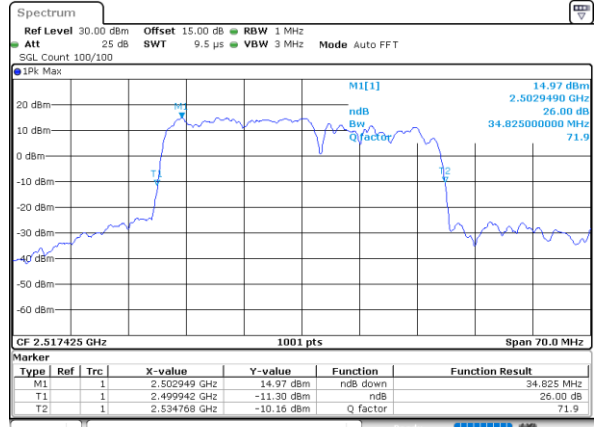
QPSK

Lowest Channel / 20MHz+10MHz



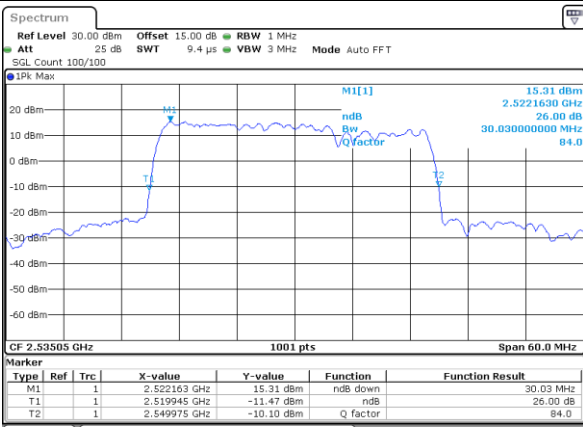
Date: 4..JAN.2021 05:27:53

Lowest Channel / 20MHz+15MHz



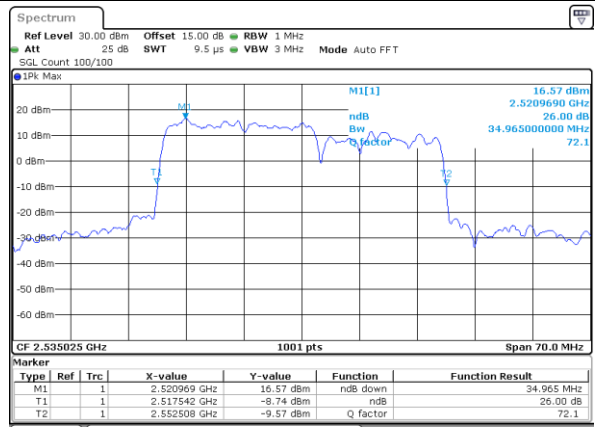
Date: 4..JAN.2021 04:24:07

Middle Channel / 20MHz+10MHz



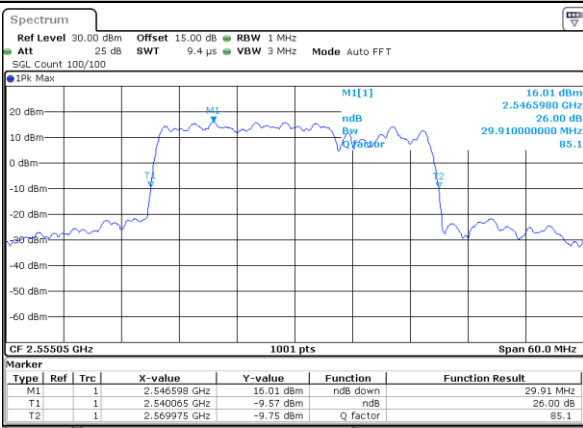
Date: 4..JAN.2021 05:52:04

Middle Channel / 20MHz+15MHz



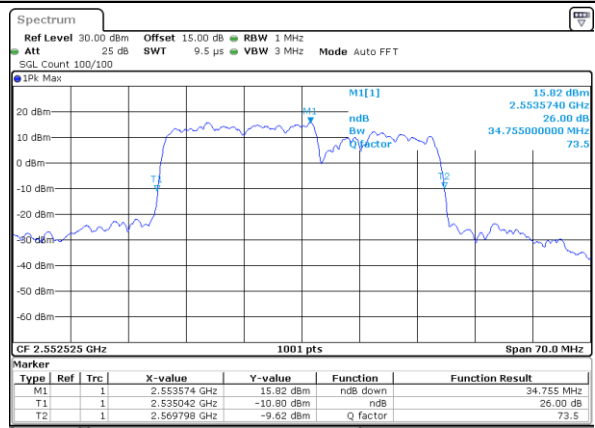
Date: 4..JAN.2021 04:47:34

Highest Channel / 20MHz+10MHz



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

Highest Channel / 20MHz+15MHz



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

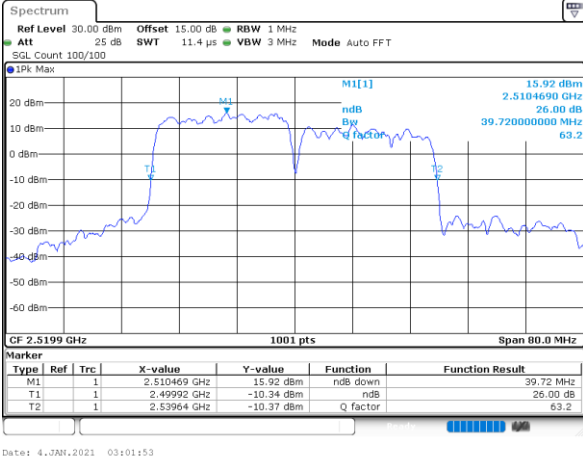


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

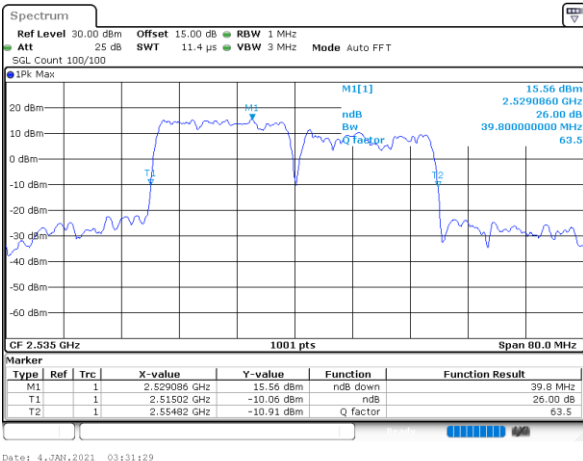
N/A



Date: 4-JAN-2021 03:01:53

Middle Channel / 20MHz+20MHz

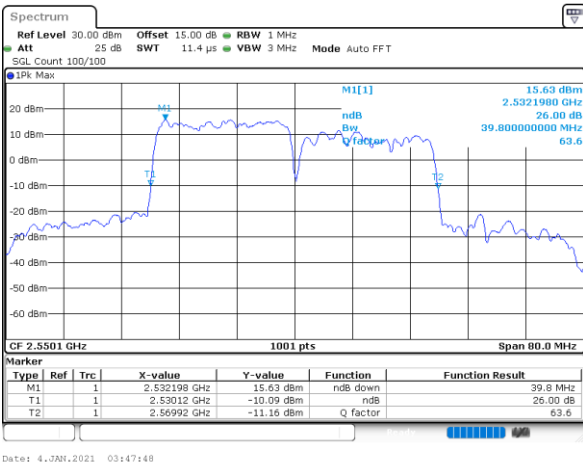
N/A



Date: 4-JAN-2021 03:31:29

Highest Channel / 20MHz+20MHz

N/A



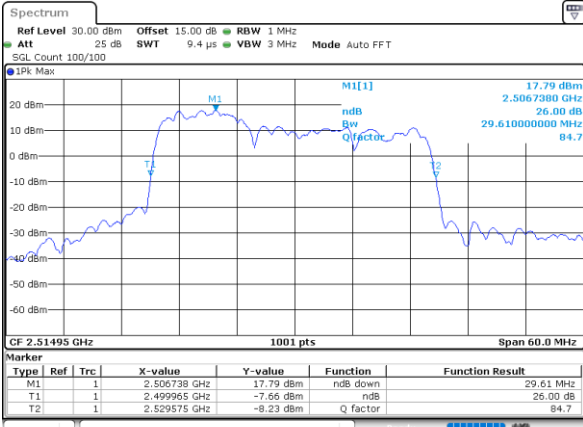
Date: 4-JAN-2021 03:47:48



LTE Band 7C

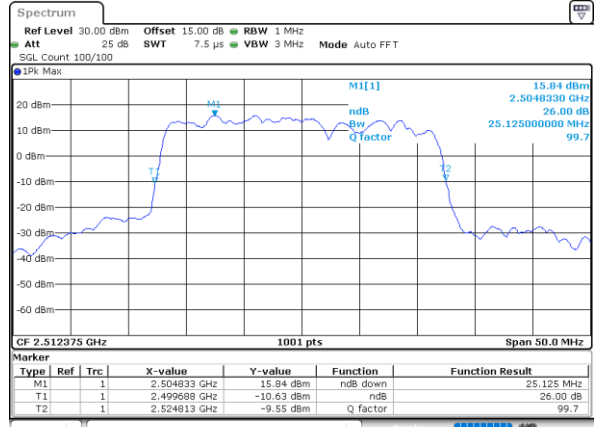
16QAM

Lowest Channel / 10MHz+20MHz



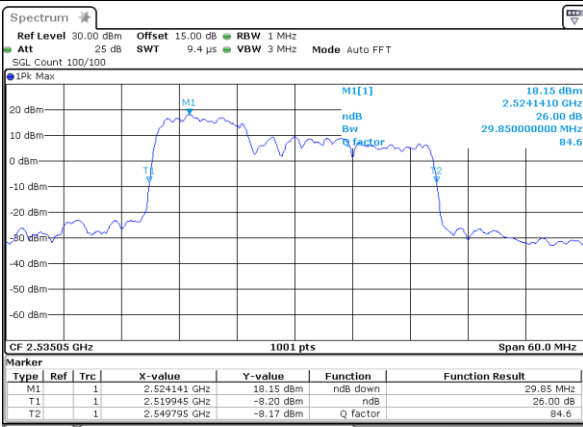
Date: 4-JAN-2021 22:19:17

Lowest Channel / 15MHz+10MHz



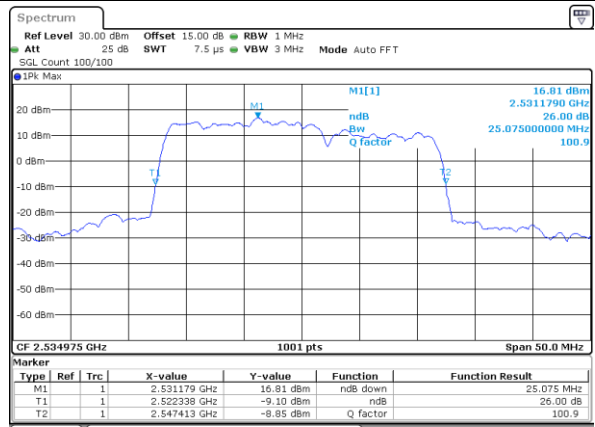
Date: 5-JAN-2021 00:41:10

Middle Channel / 10MHz+20MHz



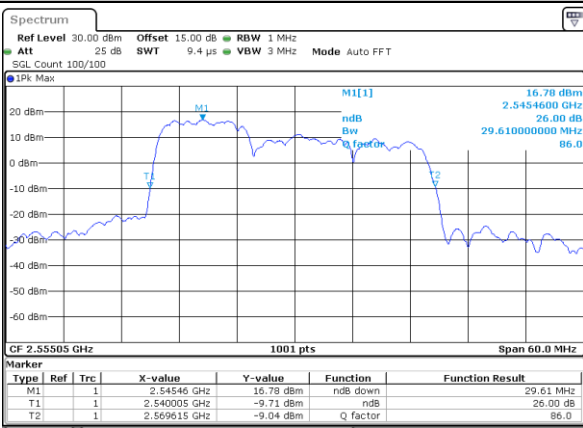
Date: 4-JAN-2021 23:19:57

Middle Channel / 15MHz+10MHz



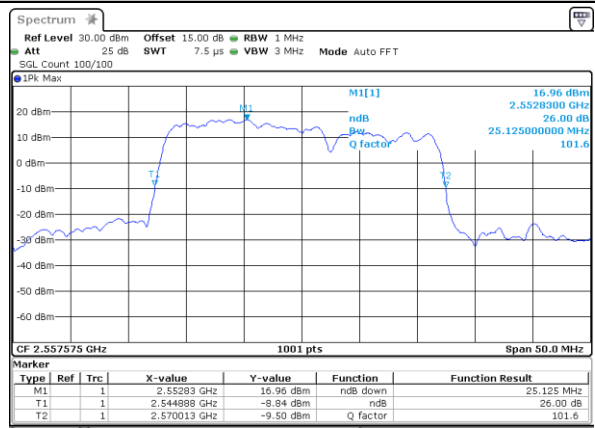
Date: 5-JAN-2021 01:07:21

Highest Channel / 10MHz+20MHz



Date: 4-JAN-2021 23:19:25

Highest Channel / 15MHz+10MHz



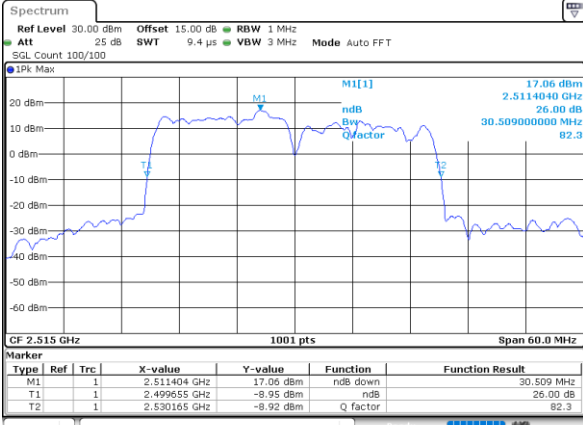
Date: 5-JAN-2021 01:23:30



LTE Band 7C

16QAM

Lowest Channel / 15MHz+15MHz



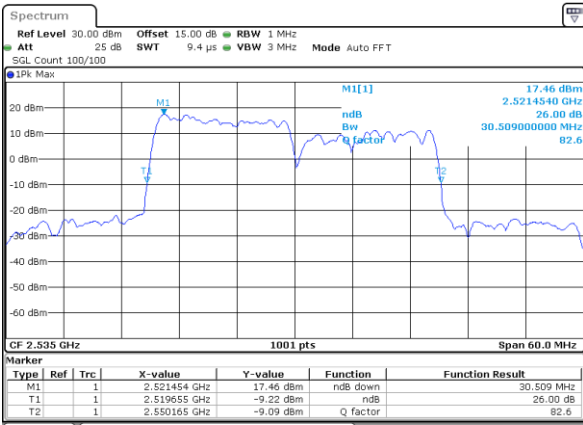
Date: 4.JAN.2021 20:38:26

Lowest Channel / 15MHz+20MHz



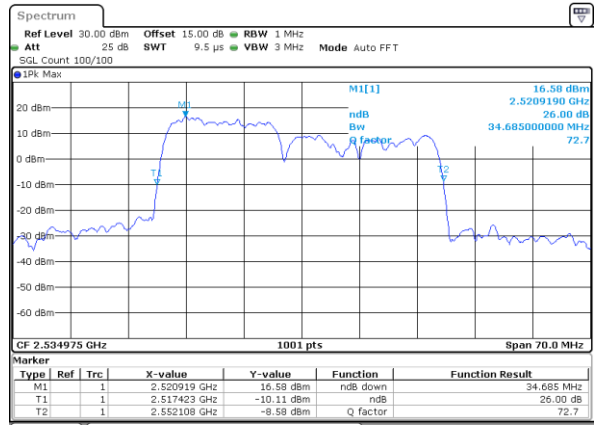
Date: 4.JAN.2021 19:27:53

Middle Channel / 15MHz+15MHz



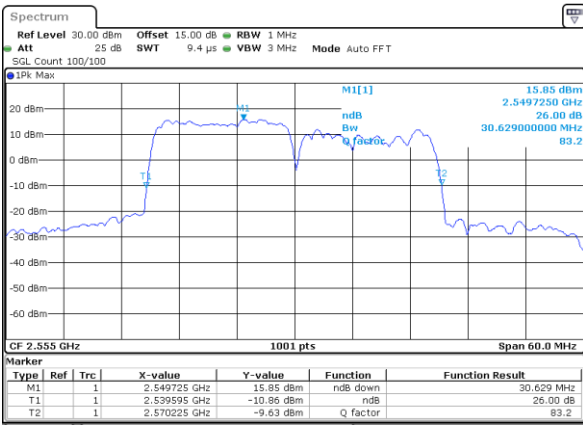
Date: 4.JAN.2021 21:01:50

Middle Channel / 15MHz+20MHz



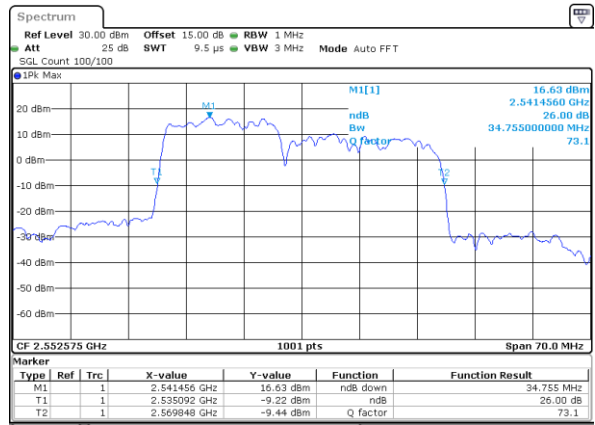
Date: 4.JAN.2021 19:52:05

Highest Channel / 15MHz+15MHz



Date: 4.JAN.2021 21:42:10

Highest Channel / 15MHz+20MHz



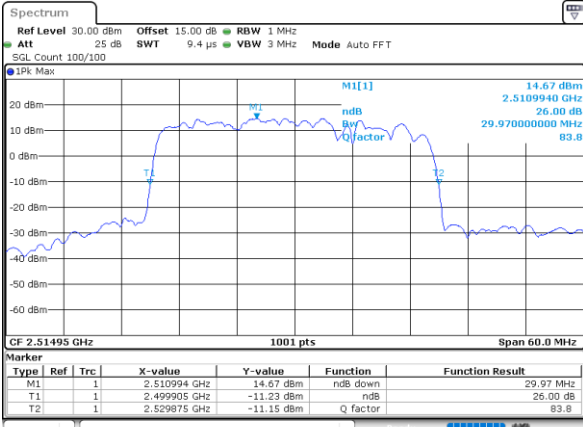
Date: 4.JAN.2021 20:08:00



LTE Band 7C

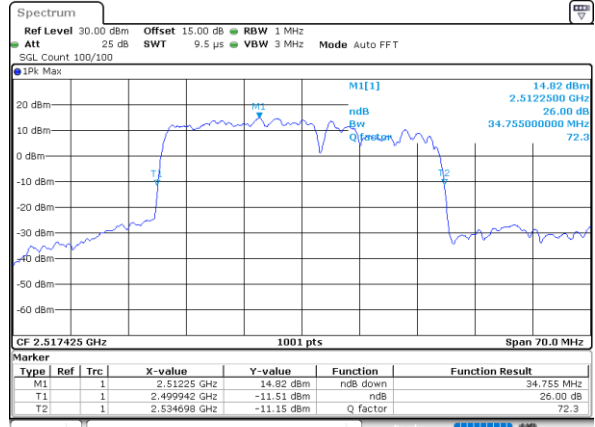
16QAM

Lowest Channel / 20MHz+10MHz



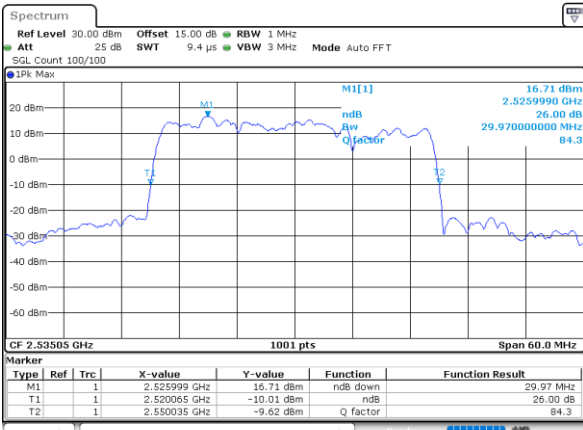
Date: 4-JAN-2021 05:29:52

Lowest Channel / 20MHz+15MHz



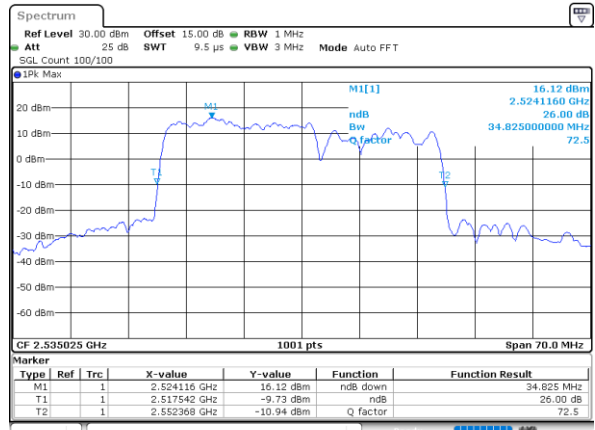
Date: 4-JAN-2021 04:26:37

Middle Channel / 20MHz+10MHz



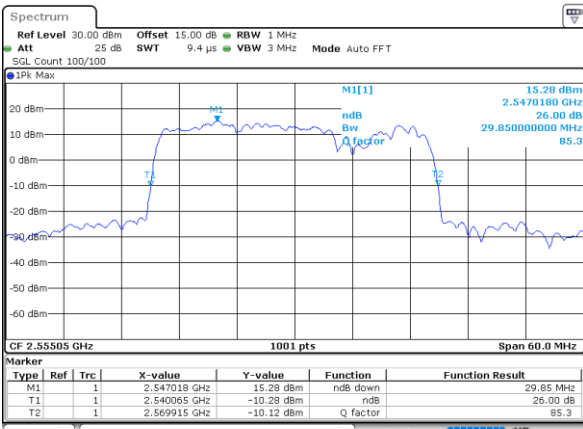
Date: 4-JAN-2021 05:53:28

Middle Channel / 20MHz+15MHz



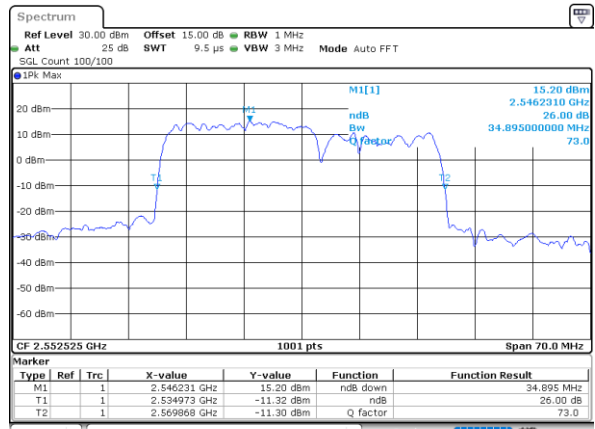
Date: 4-JAN-2021 04:49:38

Highest Channel / 20MHz+10MHz



Date: 4-JAN-2021 18:50:08

Highest Channel / 20MHz+15MHz



Date: 4-JAN-2021 05:09:45

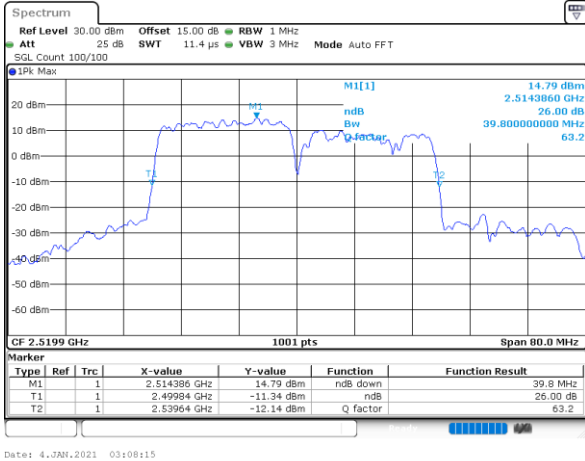


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

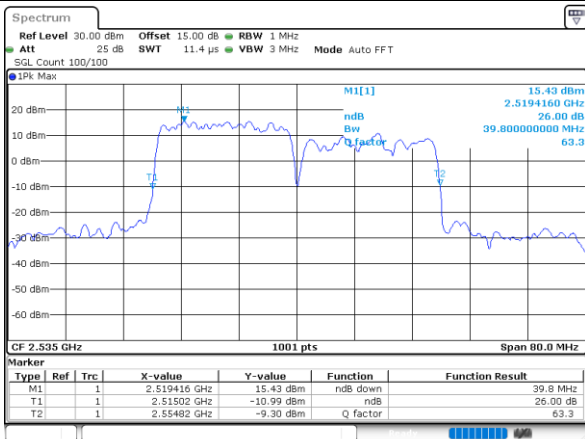
N/A



Date: 4-JAN-2021 03:08:15

Middle Channel / 20MHz+20MHz

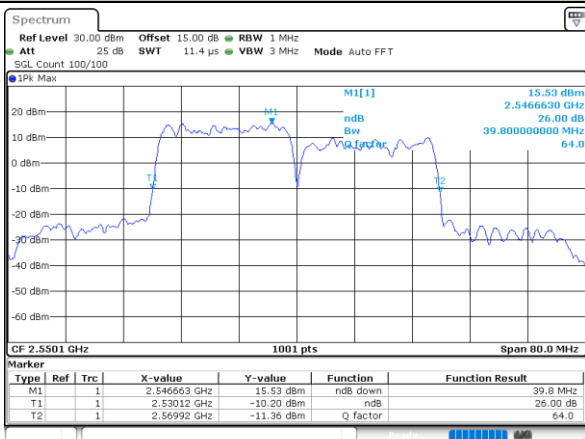
N/A



Date: 4-JAN-2021 03:13:27

Highest Channel / 20MHz+20MHz

N/A



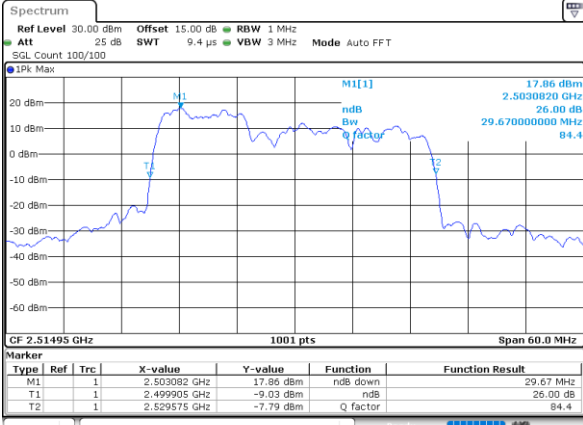
Date: 4-JAN-2021 03:15:11



LTE Band 7C

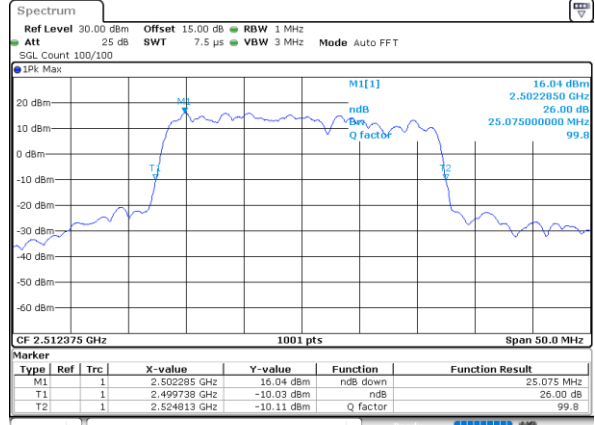
64QAM

Lowest Channel / 10MHz+20MHz



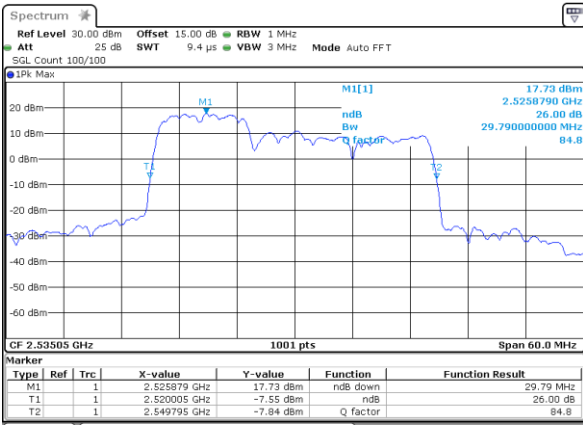
Date: 4-JAN-2021 22:21:33

Lowest Channel / 15MHz+10MHz



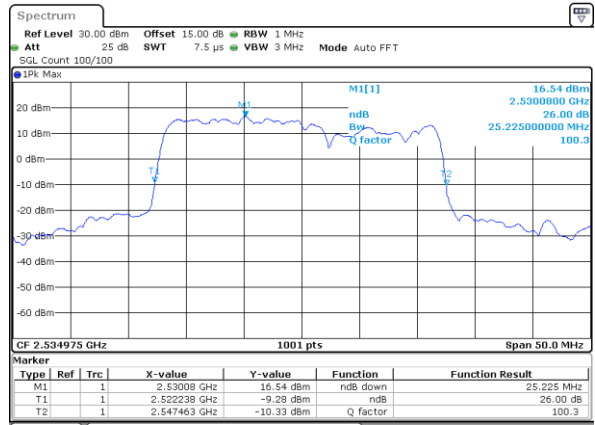
Date: 5-JAN-2021 00:44:54

Middle Channel / 10MHz+20MHz



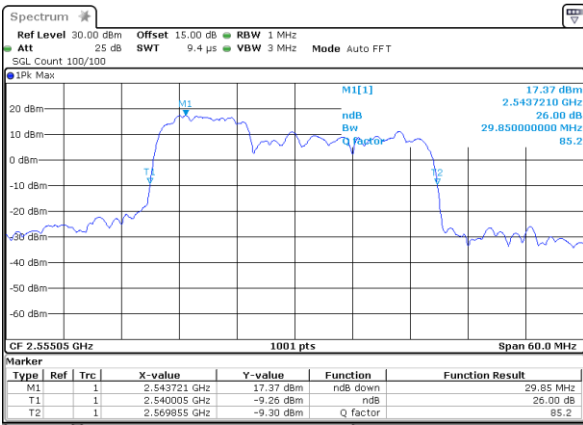
Date: 4-JAN-2021 23:21:36

Middle Channel / 15MHz+10MHz



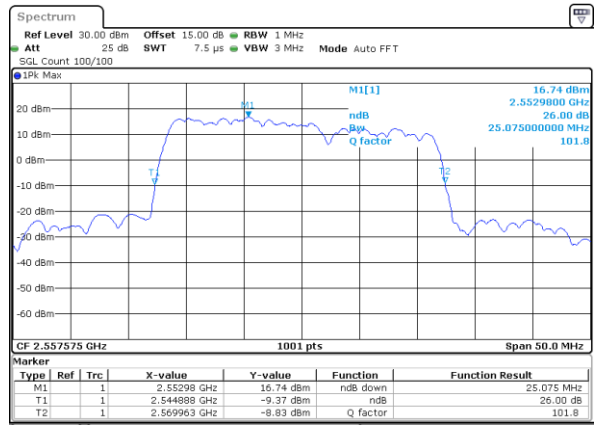
Date: 5-JAN-2021 01:09:41

Highest Channel / 10MHz+20MHz



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

Highest Channel / 15MHz+10MHz



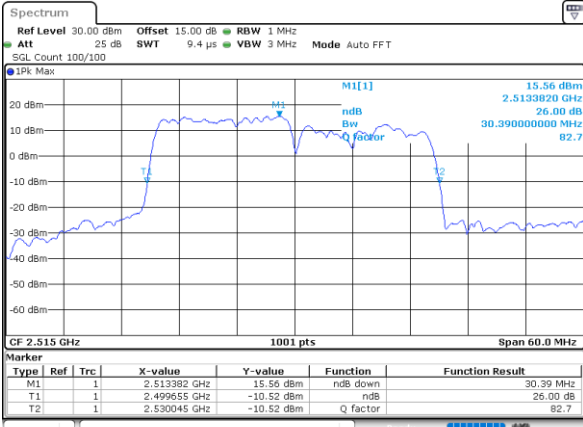
Date: 5-JAN-2021 01:26:49



LTE Band 7C

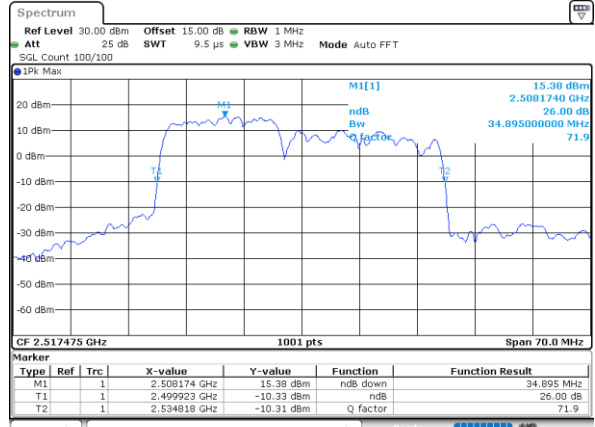
64QAM

Lowest Channel / 15MHz+15MHz



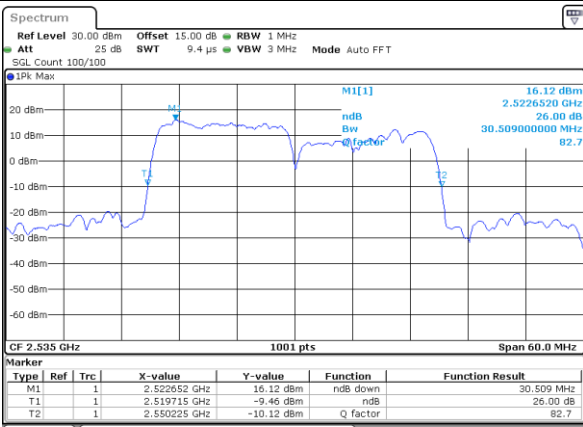
Date: 4-JAN-2021 20:40:50

Lowest Channel / 15MHz+20MHz



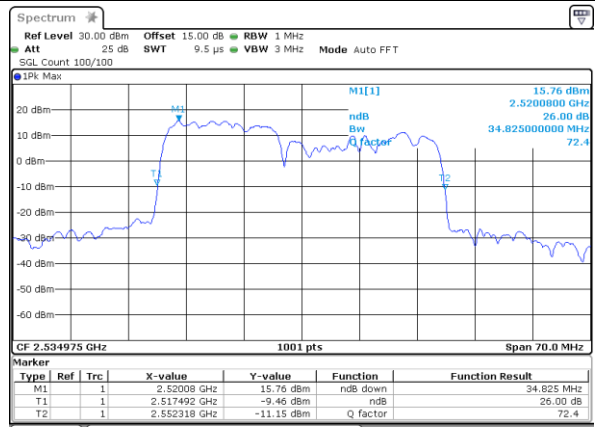
Date: 4-JAN-2021 19:30:10

Middle Channel / 15MHz+15MHz



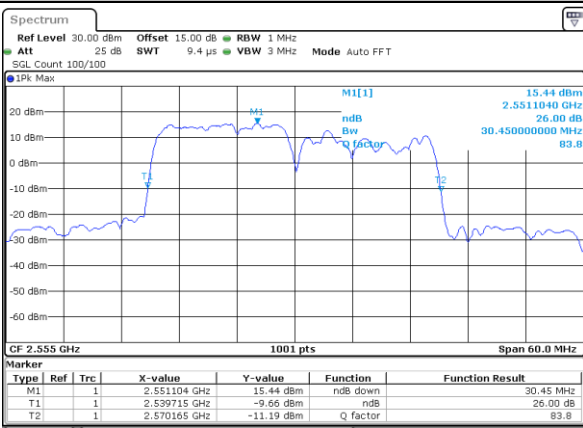
Date: 4-JAN-2021 21:06:07

Middle Channel / 15MHz+20MHz



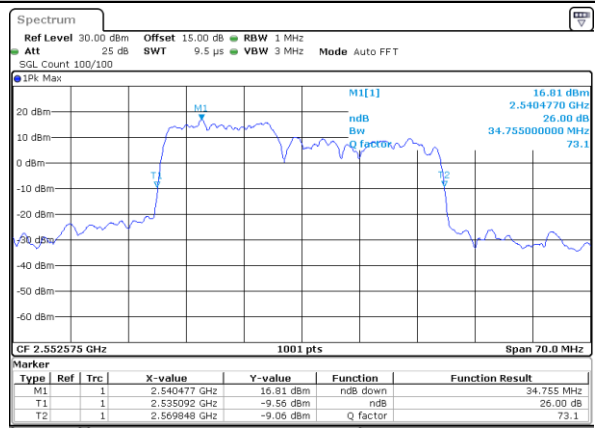
Date: 4-JAN-2021 19:53:39

Highest Channel / 15MHz+15MHz



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

Highest Channel / 15MHz+20MHz



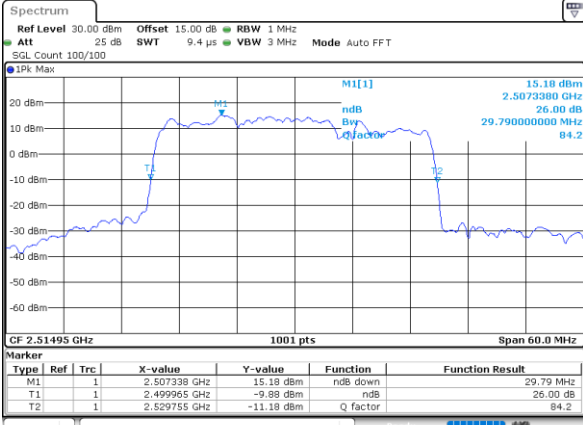
Date: 4-JAN-2021 20:17:15



LTE Band 7C

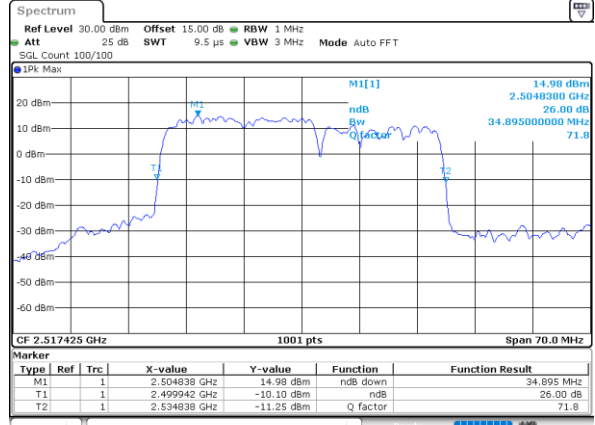
64QAM

Lowest Channel / 20MHz+10MHz



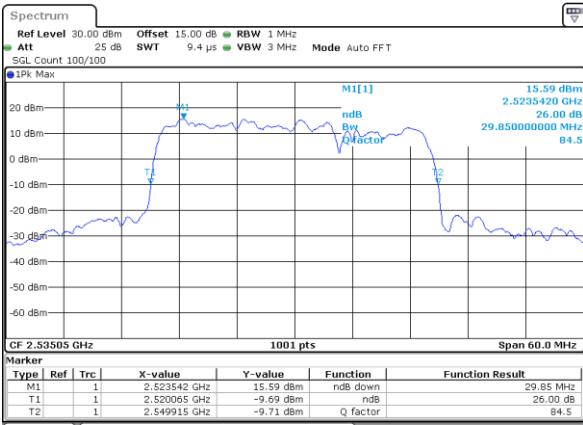
Date: 4..JAN.2021 05:32:16

Lowest Channel / 20MHz+15MHz



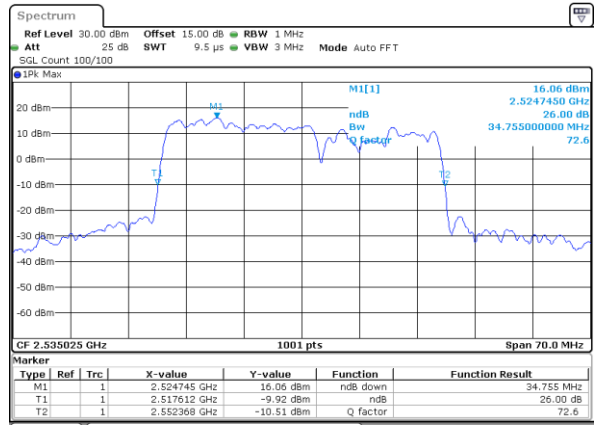
Date: 4..JAN.2021 04:29:09

Middle Channel / 20MHz+10MHz



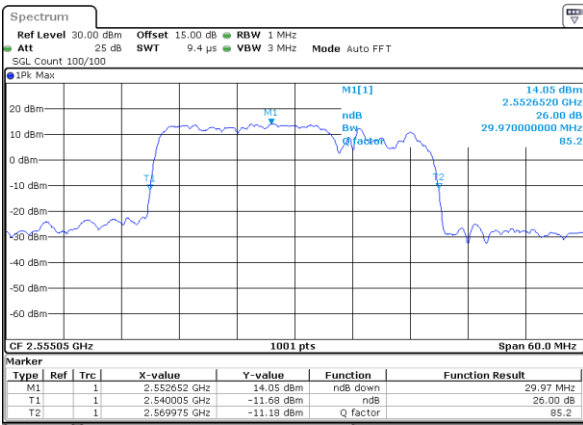
Date: 4..JAN.2021 05:54:45

Middle Channel / 20MHz+15MHz



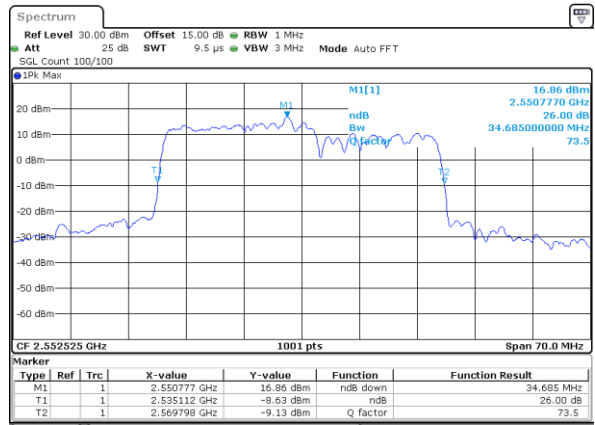
Date: 4..JAN.2021 04:51:43

Highest Channel / 20MHz+10MHz



Date: 4..JAN.2021 18:55:50

Highest Channel / 20MHz+15MHz



Date: 4..JAN.2021 05:11:52

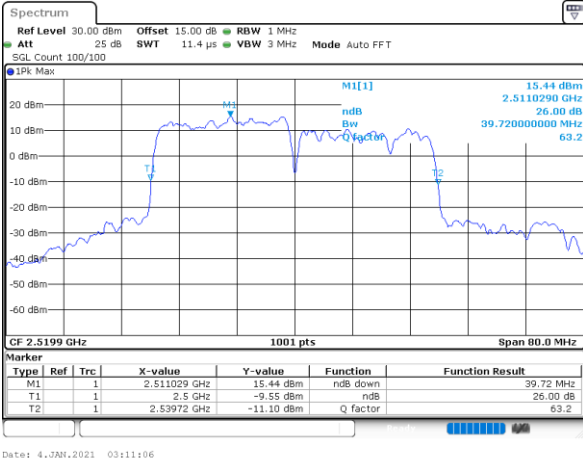


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

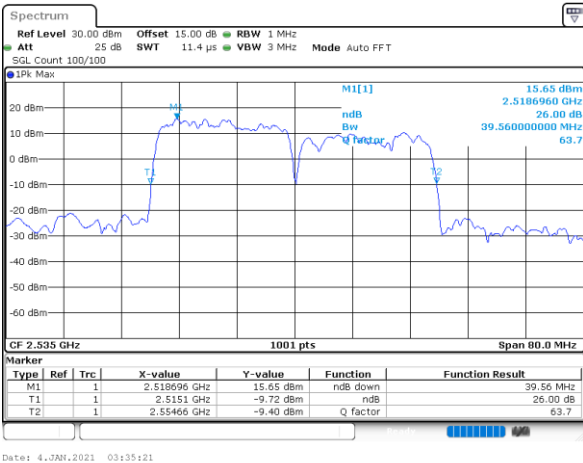
N/A



Date: 4-JAN-2021 03:11:06

Middle Channel / 20MHz+20MHz

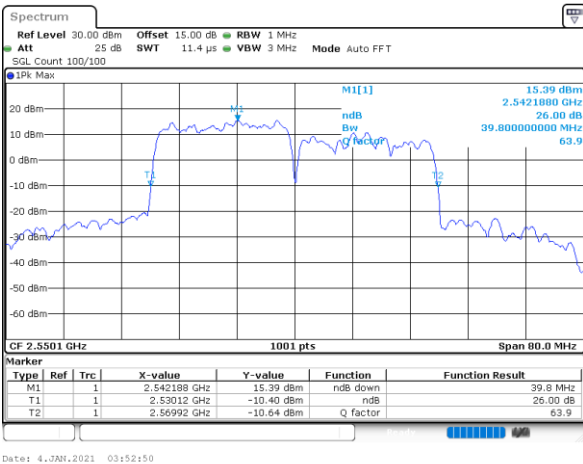
N/A



Date: 4-JAN-2021 03:15:21

Highest Channel / 20MHz+20MHz

N/A



Date: 4-JAN-2021 03:15:50



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	-

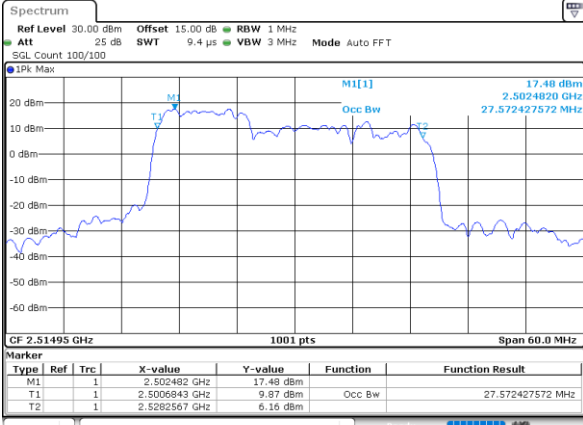
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.51	23.43	28.53	32.52
Middle CH	27.93	23.38	28.29	32.38
Highest CH	27.69	23.18	28.11	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.39	32.45	37.64	-
Middle CH	27.99	32.80	37.48	-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



LTE Band 7C

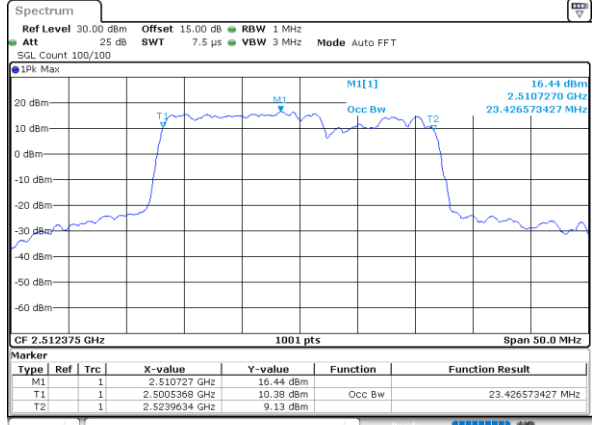
QPSK

Lowest Channel / 10MHz+20MHz



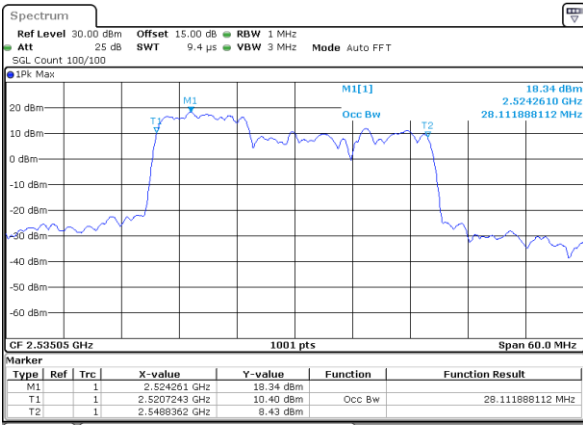
Date: 4, JAN, 2021 22:07:59

Lowest Channel / 15MHz+10MHz



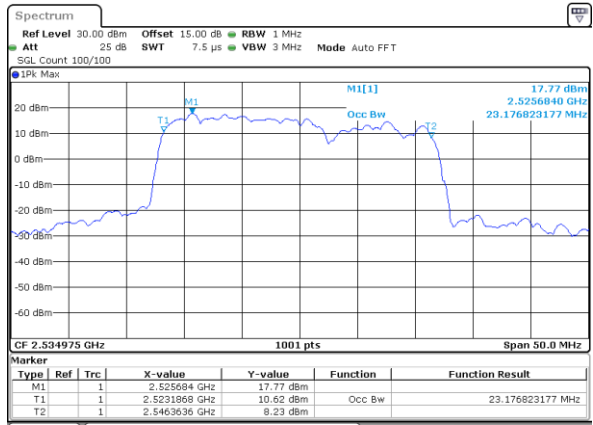
Date: 5, JAN, 2021 00:38:01

Middle Channel / 10MHz+20MHz



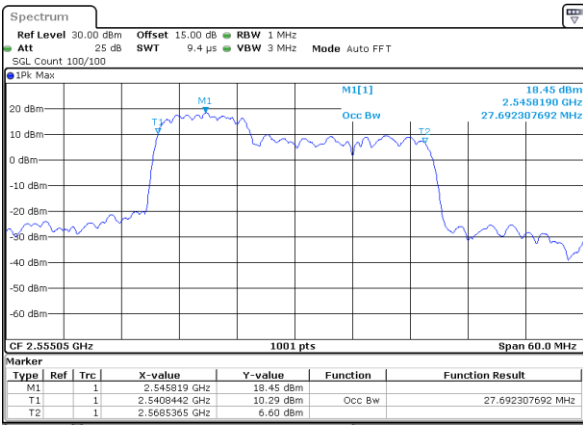
Date: 4, JAN, 2021 23:12:00

Middle Channel / 15MHz+10MHz



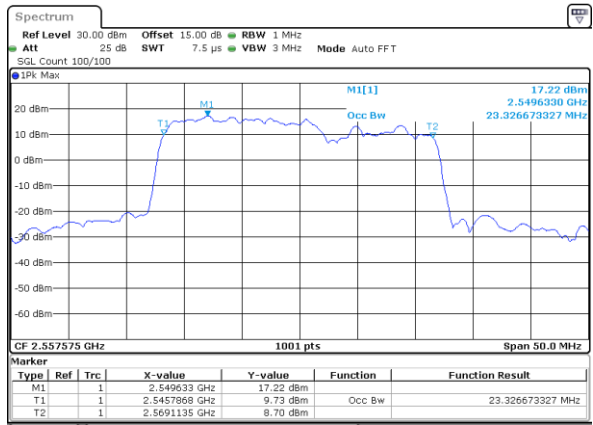
Date: 5, JAN, 2021 01:02:57

Highest Channel / 10MHz+20MHz



Date: 4, JAN, 2021 23:35:04

Highest Channel / 15MHz+10MHz



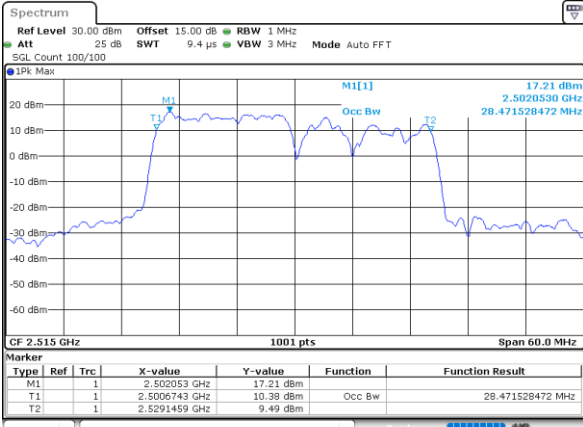
Date: 5, JAN, 2021 01:20:15



LTE Band 7C

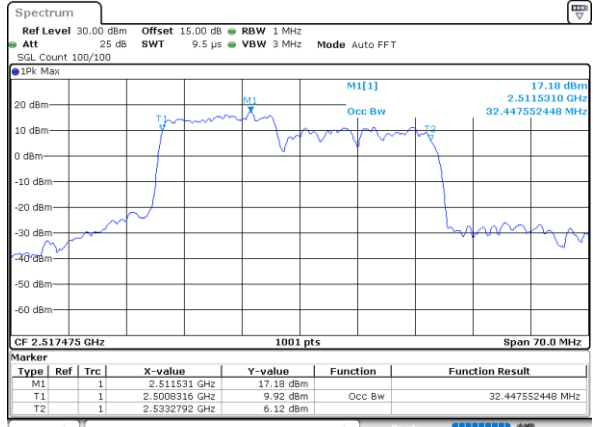
QPSK

Lowest Channel / 15MHz+15MHz



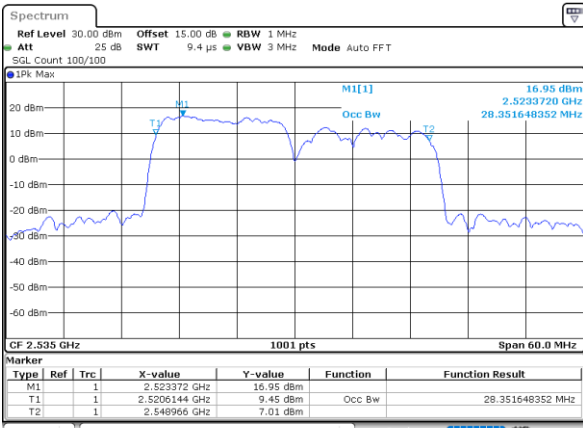
Date: 4.JAN.2021 20:36:06

Lowest Channel / 15MHz+20MHz



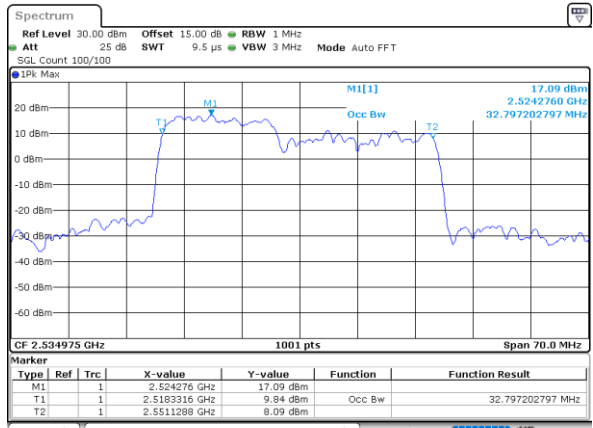
Date: 4.JAN.2021 19:25:18

Middle Channel / 15MHz+15MHz



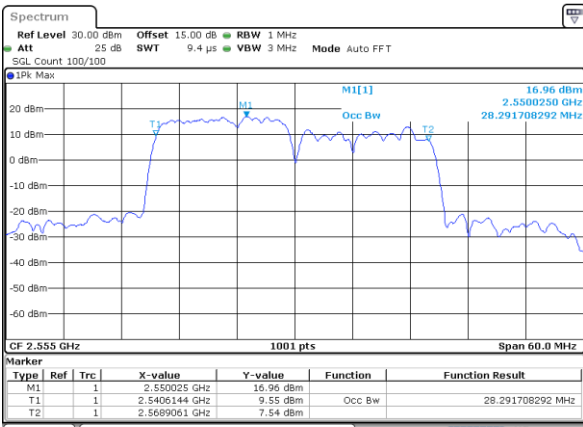
Date: 4.JAN.2021 21:00:02

Middle Channel / 15MHz+20MHz



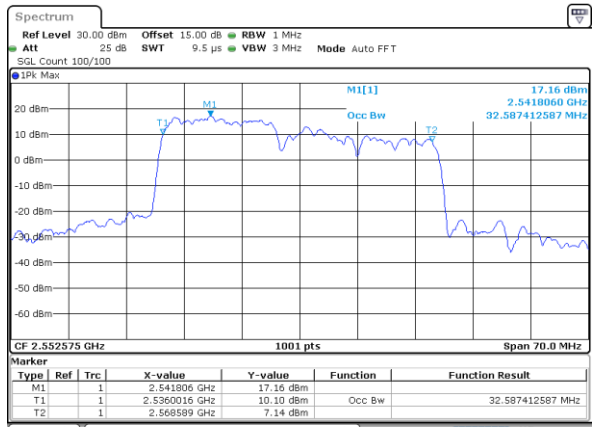
Date: 4.JAN.2021 19:48:56

Highest Channel / 15MHz+15MHz



Date: 4.JAN.2021 21:37:41

Highest Channel / 15MHz+20MHz



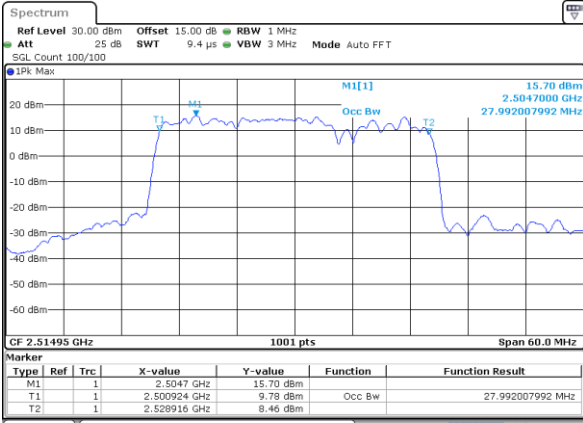
Date: 4.JAN.2021 20:05:14



LTE Band 7C

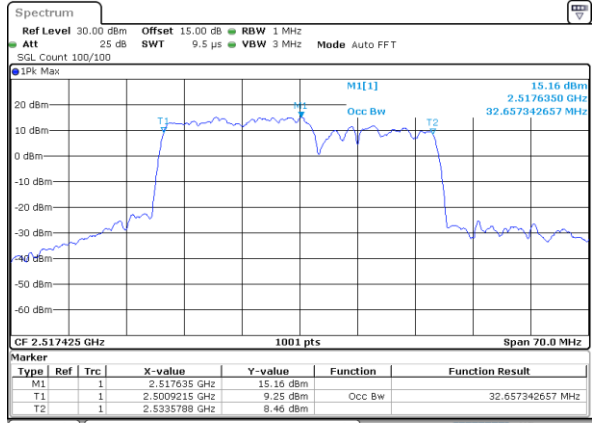
QPSK

Lowest Channel / 20MHz+10MHz



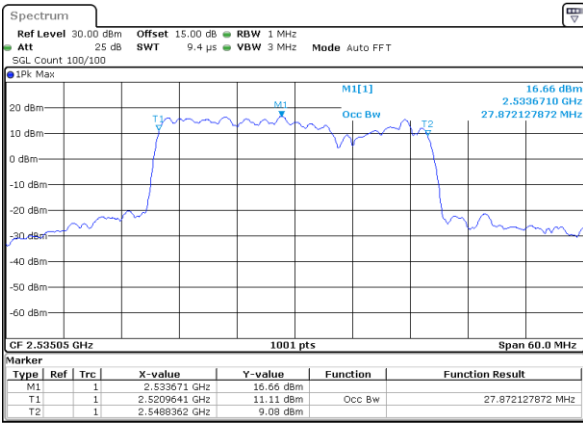
Date: 4-JAN-2021 05:27:40

Lowest Channel / 20MHz+15MHz



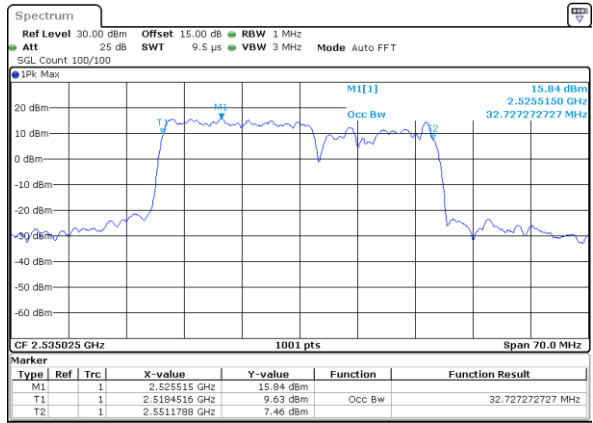
Date: 4-JAN-2021 04:23:51

Middle Channel / 20MHz+10MHz



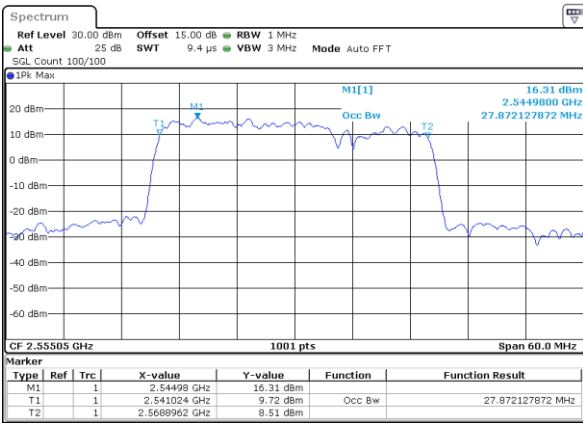
Date: 4-JAN-2021 05:51:59

Middle Channel / 20MHz+15MHz



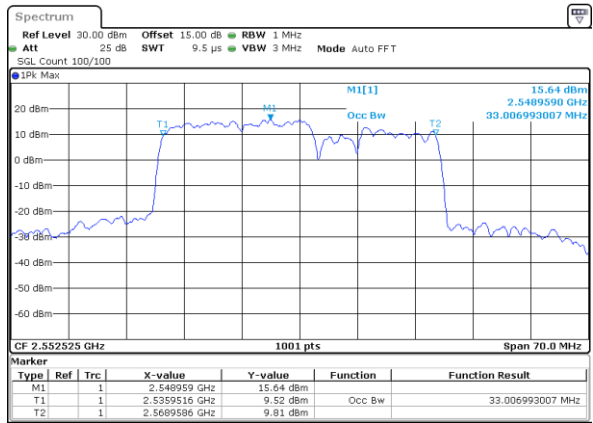
Date: 4-JAN-2021 04:47:27

Highest Channel / 20MHz+10MHz



Date: 4-JAN-2021 18:46:45

Highest Channel / 20MHz+15MHz



Date: 4-JAN-2021 05:06:57