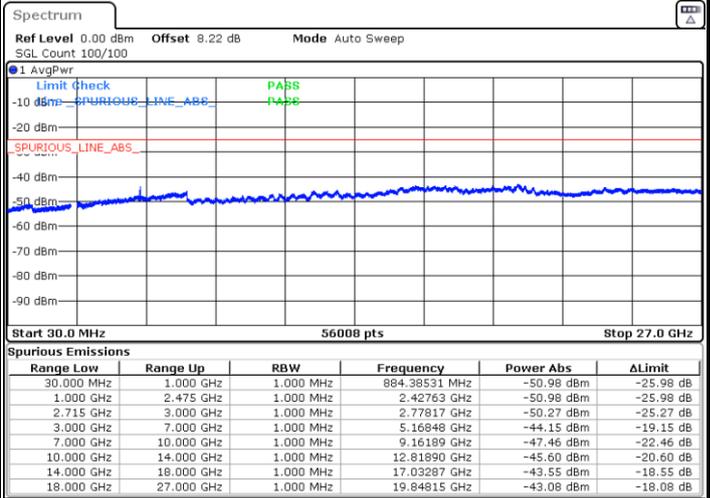
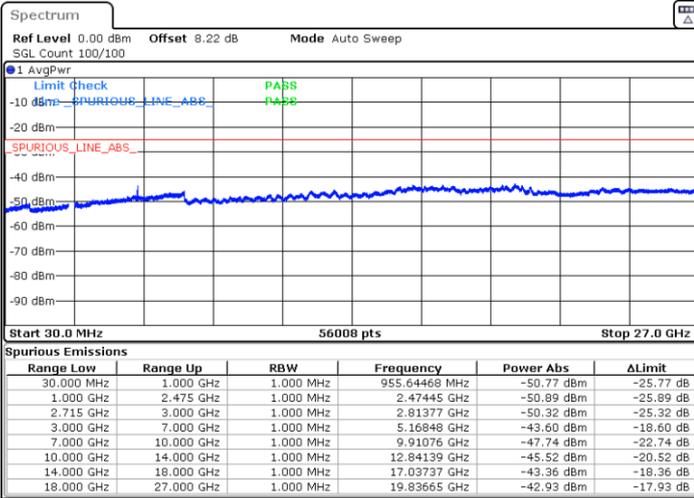




LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

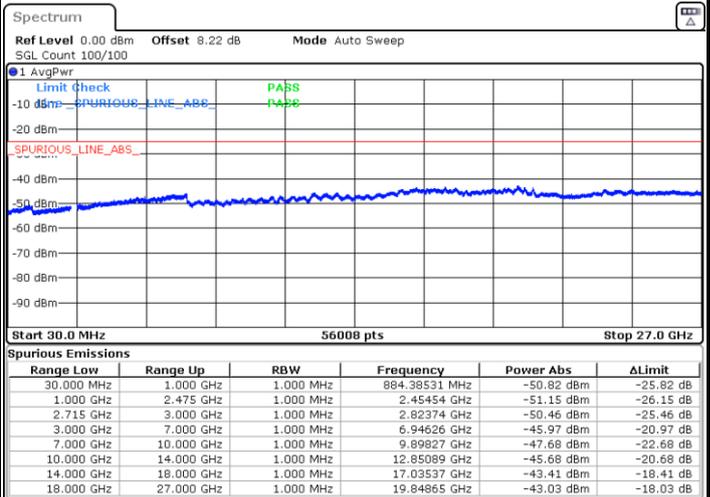
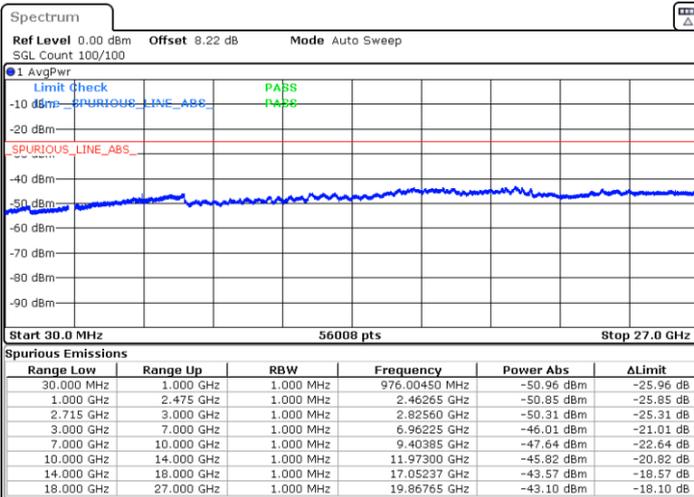


Date: 11.NOV.2020 12:05:05

Date: 11.NOV.2020 12:06:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.NOV.2020 12:11:35

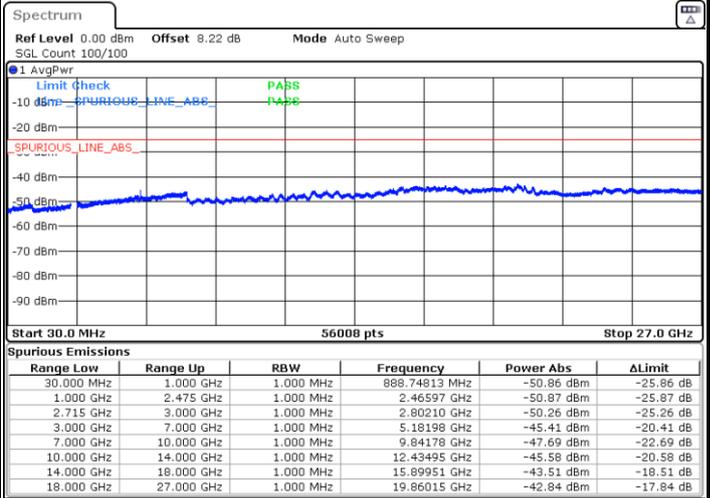
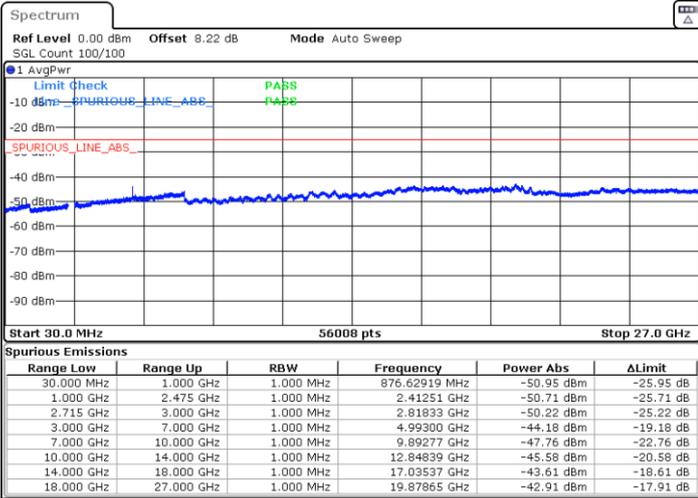
Date: 11.NOV.2020 12:12:30



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

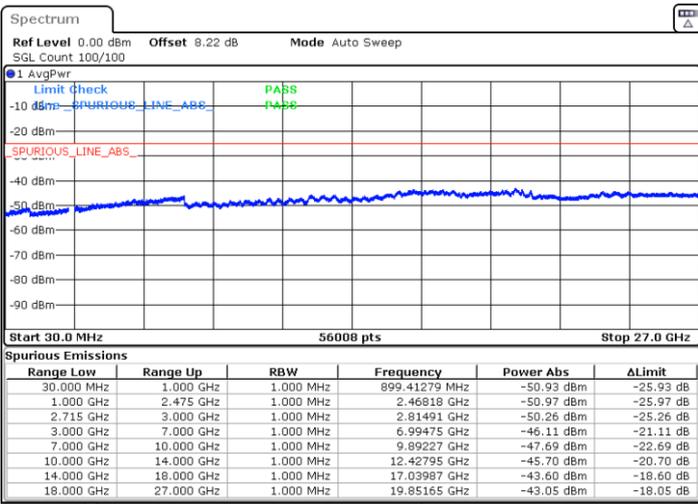
Middle Channel / 64QAM



Date: 11.NOV.2020 13:35:56

Date: 11.NOV.2020 13:36:51

Highest Channel / 64QAM



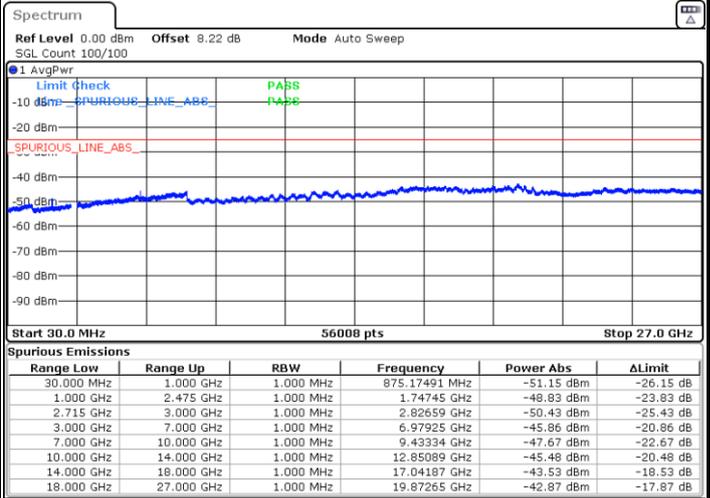
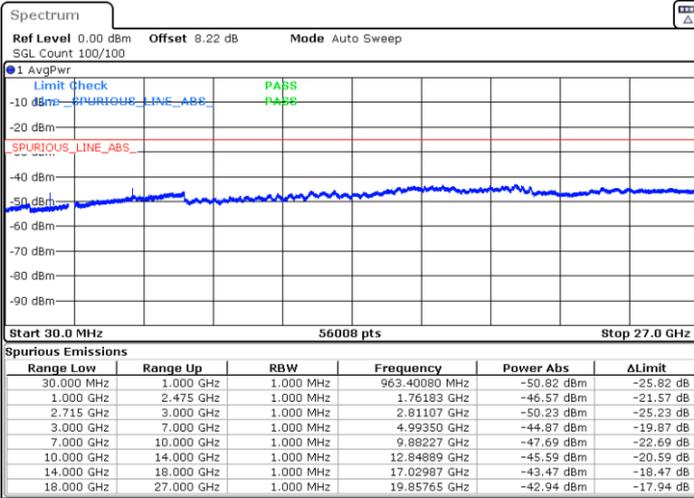
Date: 11.NOV.2020 13:37:47



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

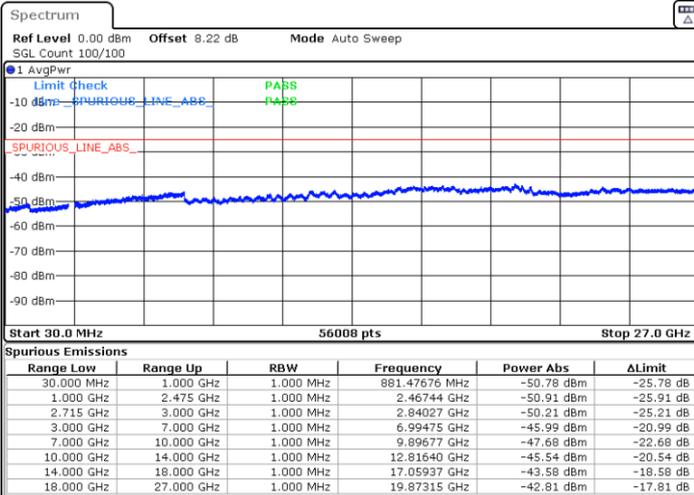
Middle Channel / 64QAM



Date: 11.NOV.2020 13:39:11

Date: 11.NOV.2020 13:40:12

Highest Channel / 64QAM



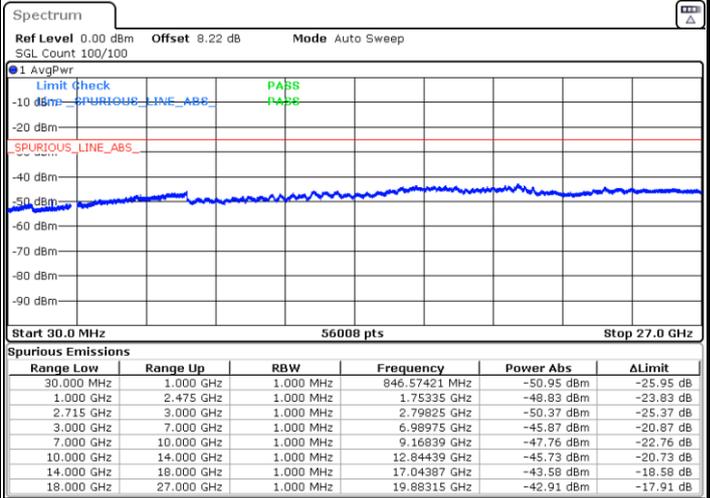
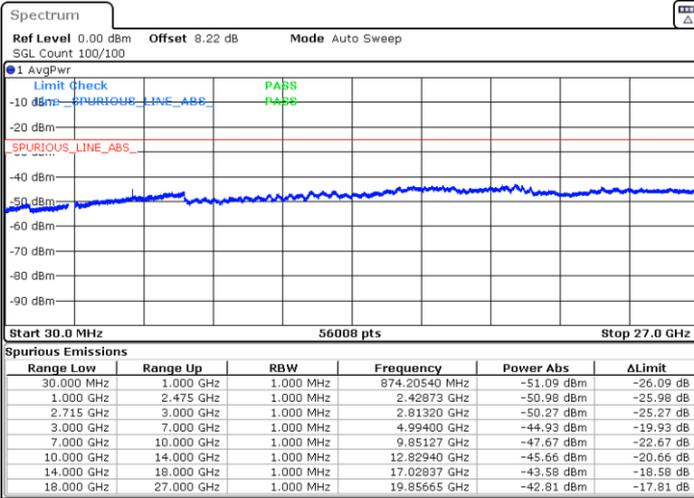
Date: 11.NOV.2020 13:41:07



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

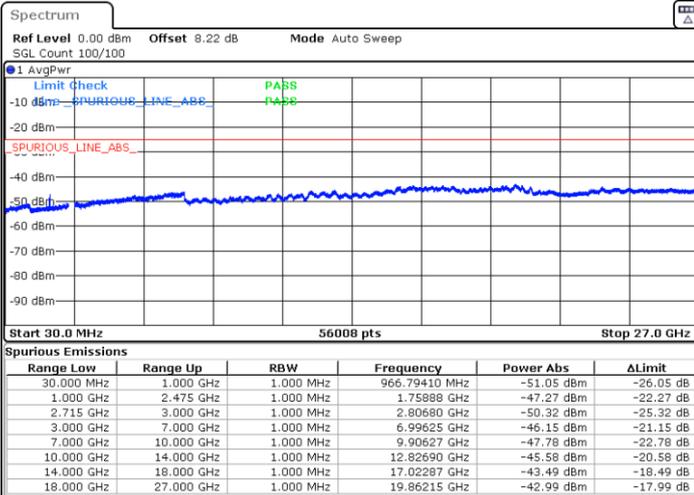
Middle Channel / 64QAM



Date: 11.NOV.2020 13:42:22

Date: 11.NOV.2020 13:43:22

Highest Channel / 64QAM



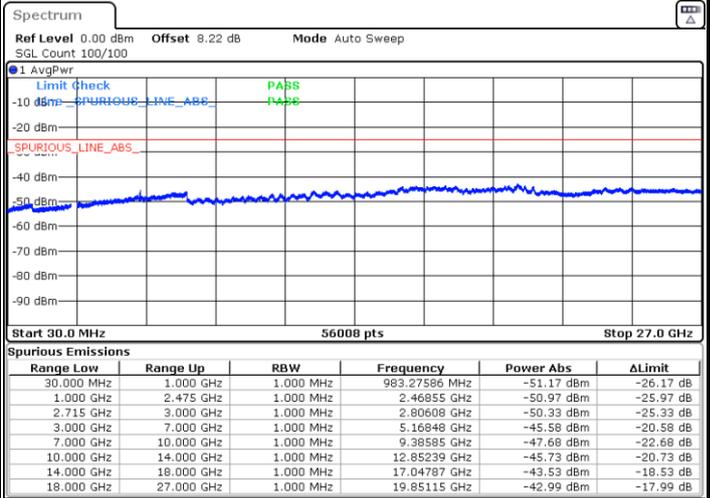
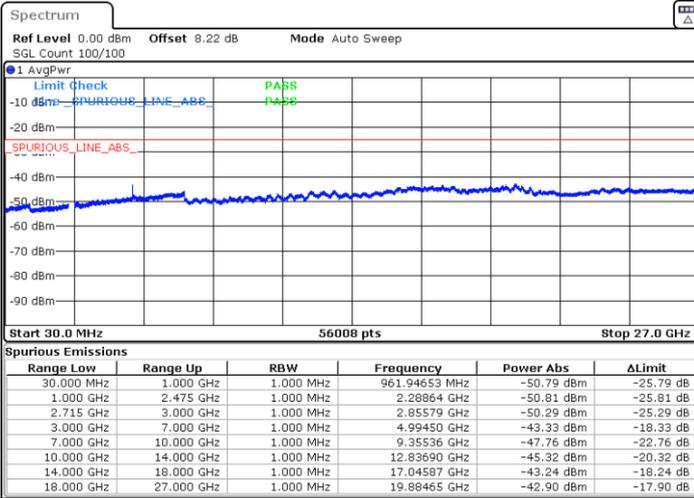
Date: 11.NOV.2020 13:44:18



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

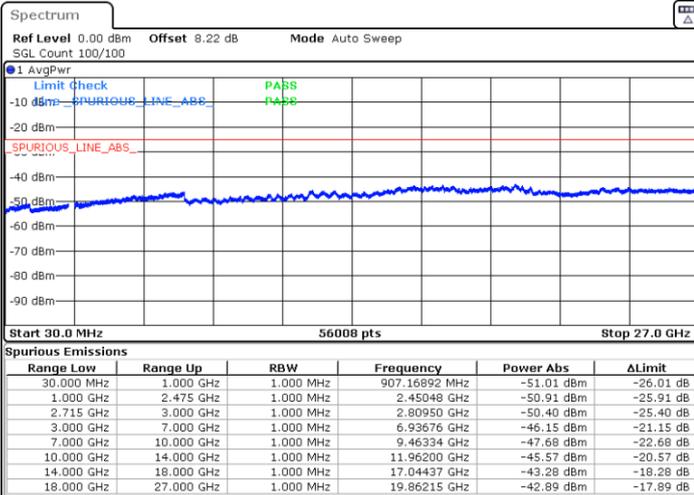
Middle Channel / 64QAM



Date: 11.NOV.2020 13:45:34

Date: 11.NOV.2020 13:46:32

Highest Channel / 64QAM



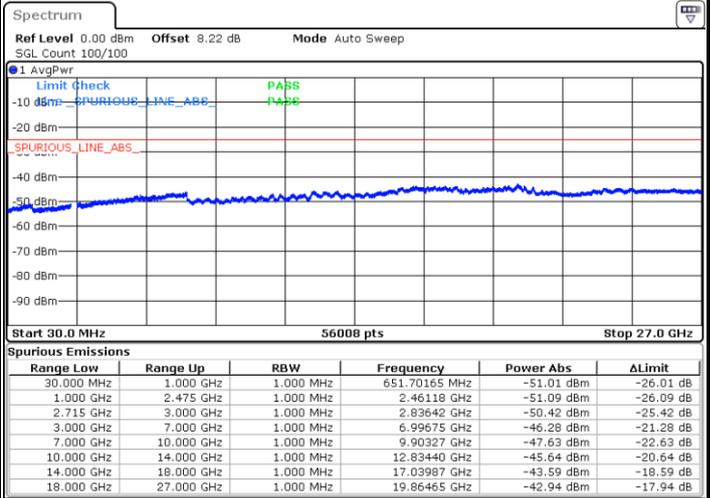
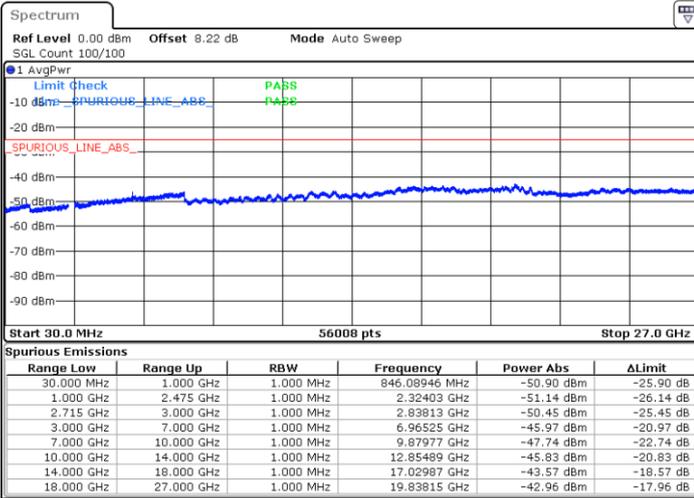
Date: 11.NOV.2020 13:47:27



LTE Band 41 / 5MHz

Lowest Channel / 256QAM

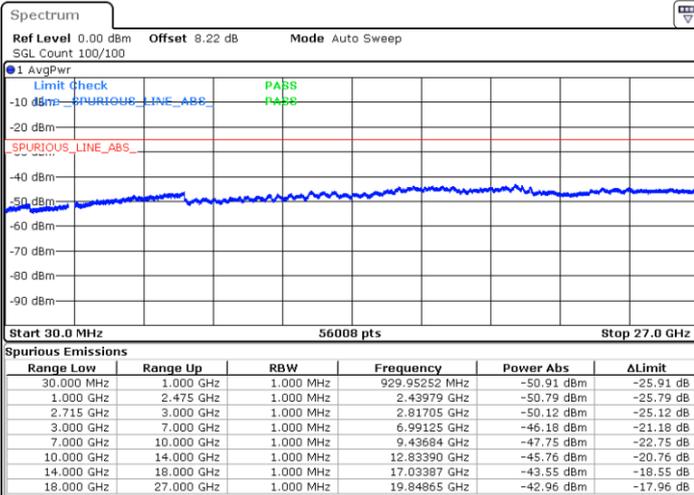
Middle Channel / 256QAM



Date: 16.NOV.2020 20:08:09

Date: 16.NOV.2020 20:09:17

Highest Channel / 256QAM



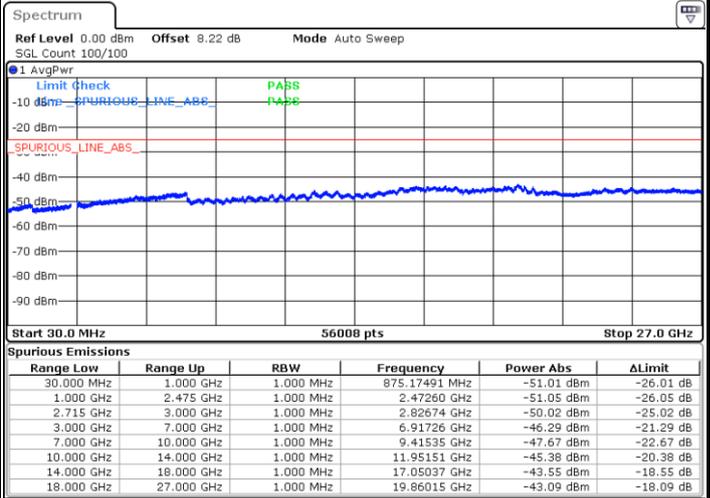
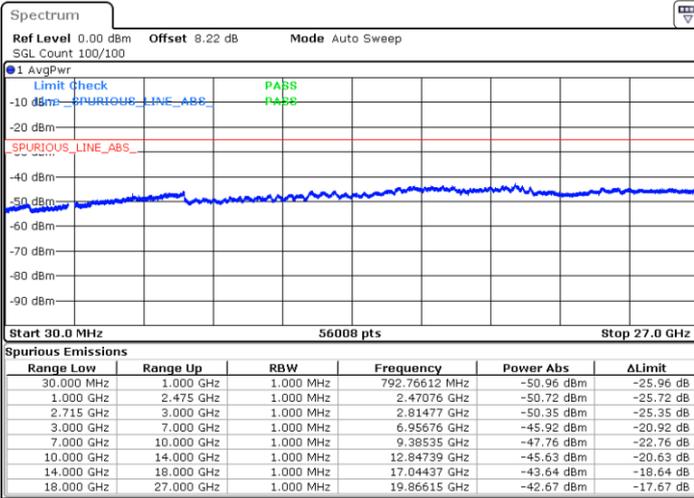
Date: 16.NOV.2020 20:15:35



LTE Band 41 / 10MHz

Lowest Channel / 256QAM

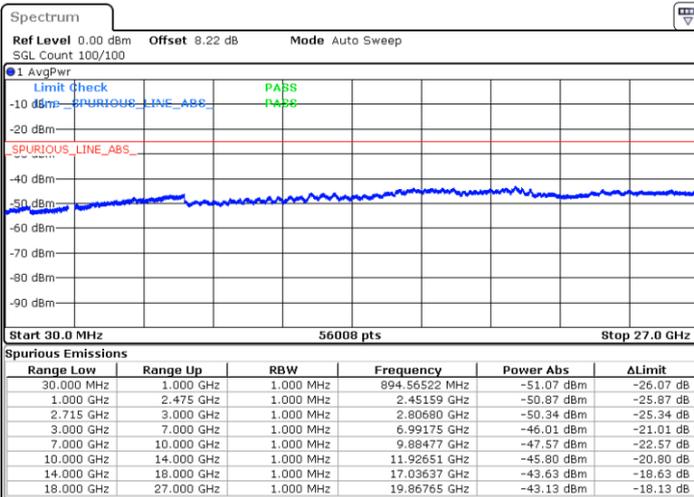
Middle Channel / 256QAM



Date: 16.NOV.2020 20:26:43

Date: 16.NOV.2020 20:27:40

Highest Channel / 256QAM



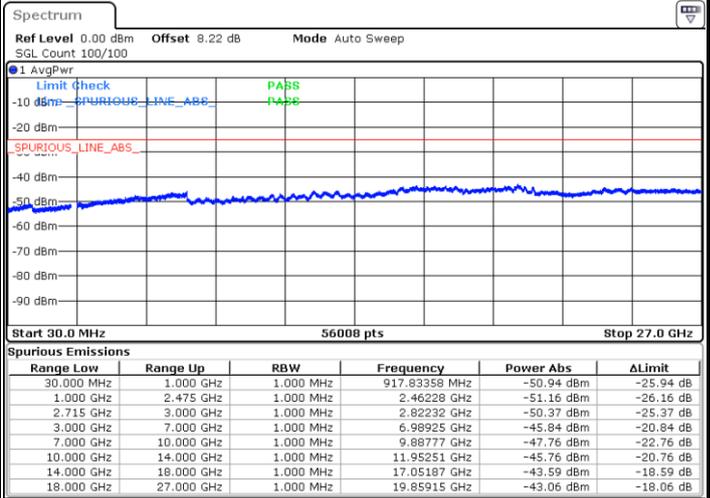
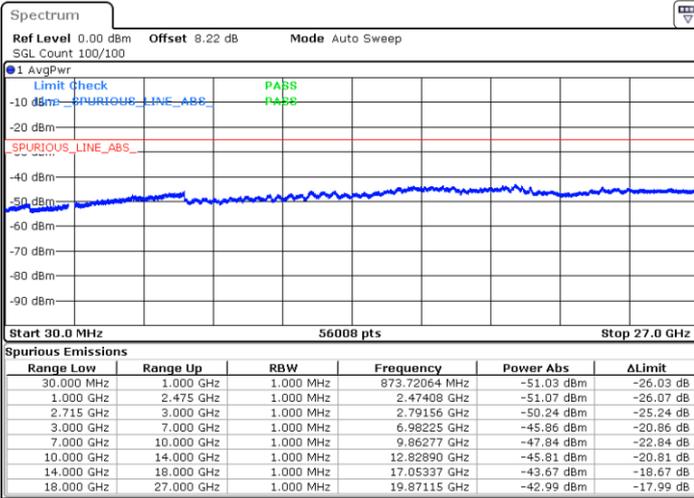
Date: 16.NOV.2020 20:32:42



LTE Band 41 / 15MHz

Lowest Channel / 256QAM

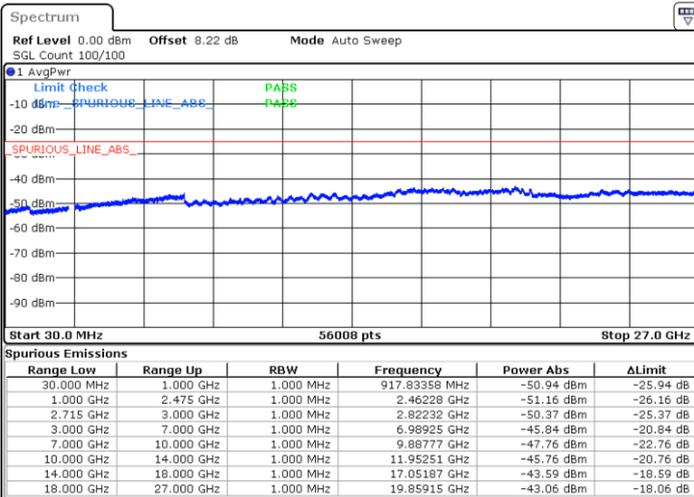
Middle Channel / 256QAM



Date: 16.NOV.2020 20:45:05

Date: 16.NOV.2020 20:50:16

Highest Channel / 256QAM



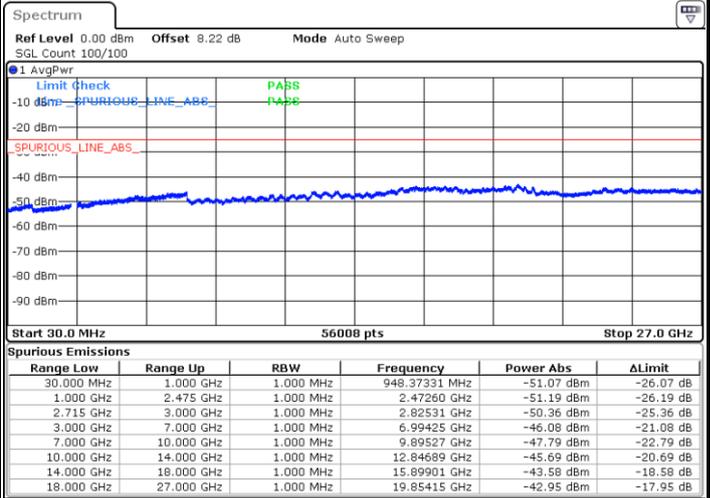
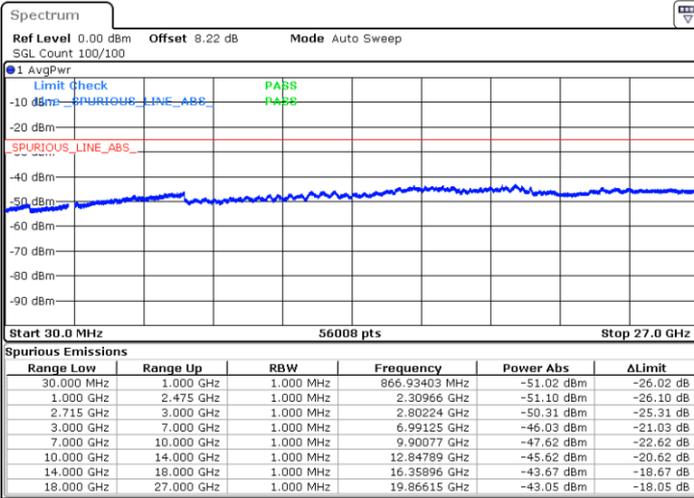
Date: 16.NOV.2020 20:50:16



LTE Band 41 / 20MHz

Lowest Channel / 256QAM

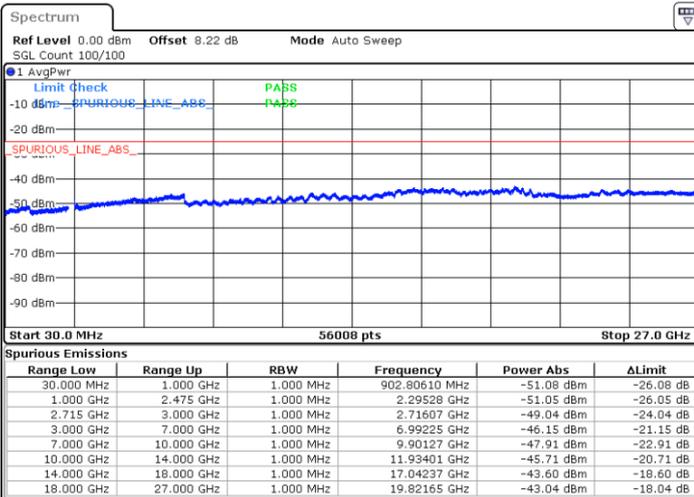
Middle Channel / 256QAM



Date: 16.NOV.2020 21:06:19

Date: 16.NOV.2020 21:07:23

Highest Channel / 256QAM



Date: 16.NOV.2020 21:11:34



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	0.0056	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 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	25.23	30.51	34.83
Middle CH	29.91	25.23	30.51	34.90
Highest CH	29.67	25.13	30.57	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	34.76	39.64	-
Middle CH	29.97	34.83	39.64	-
Highest CH	30.03	34.90	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	30.51	34.69
Middle CH	29.85	25.28	30.51	34.83
Highest CH	29.85	25.23	30.45	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.85	34.90	39.80	-
Middle CH	30.09	34.97	39.88	-
Highest CH	30.03	34.83	39.64	-

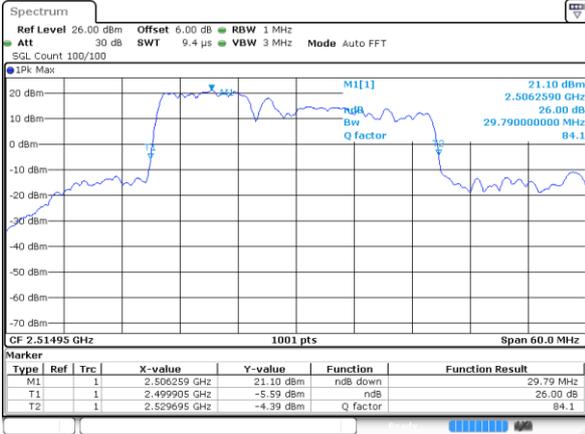
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.85	25.18	30.63	34.76
Middle CH	29.85	25.28	30.45	34.76
Highest CH	29.79	25.13	30.39	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.83	39.72	-
Middle CH	30.09	34.90	39.64	-
Highest CH	29.91	34.90	39.56	-



LTE Band 7C

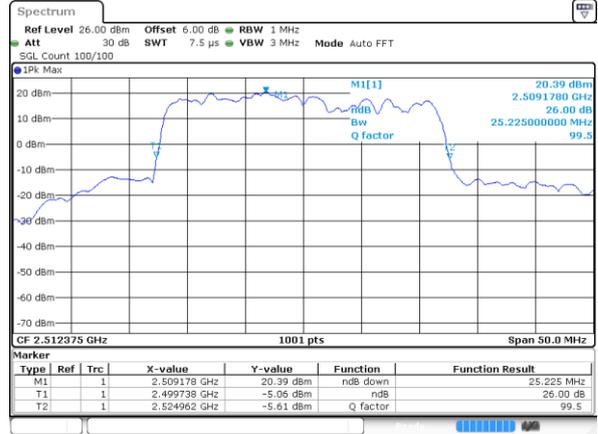
QPSK

Lowest Channel / 10MHz+20MHz



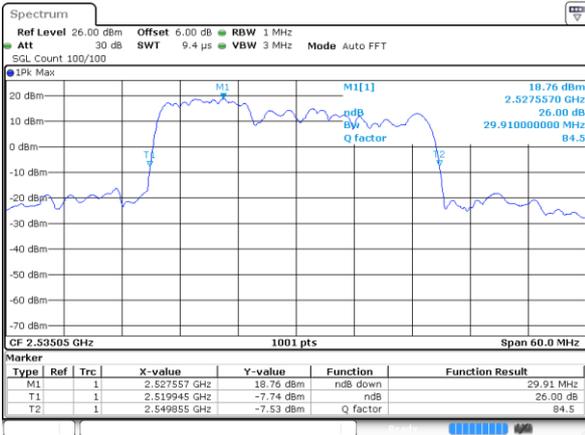
Date: 6 NOV 2020 14:33:09

Lowest Channel / 15MHz+10MHz



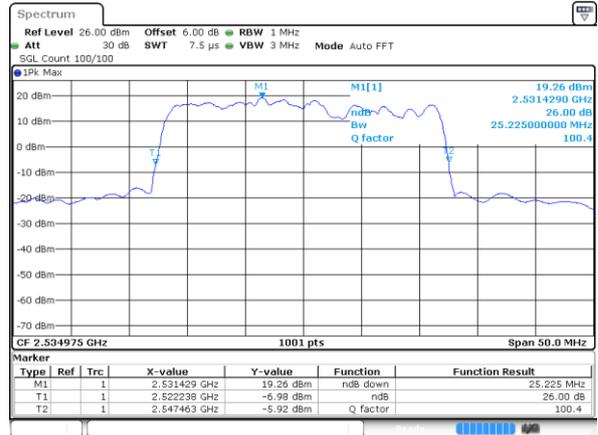
Date: 7 NOV 2020 16:04:37

Middle Channel / 10MHz+20MHz



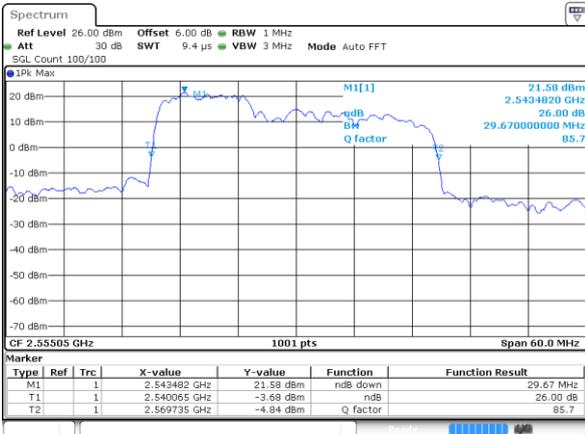
Date: 6 NOV 2020 14:46:02

Middle Channel / 15MHz+10MHz



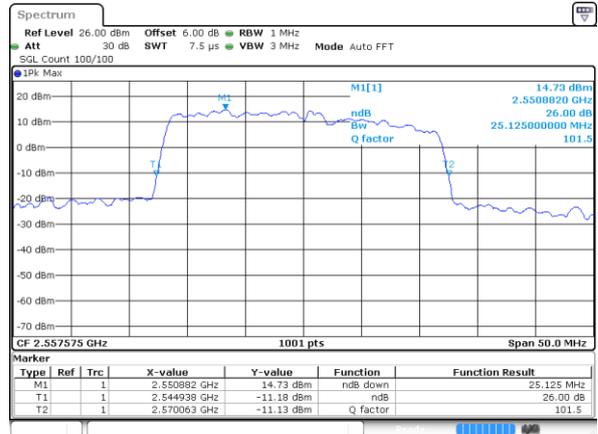
Date: 7 NOV 2020 16:23:44

Highest Channel / 10MHz+20MHz



Date: 6 NOV 2020 14:52:29

Highest Channel / 15MHz+10MHz



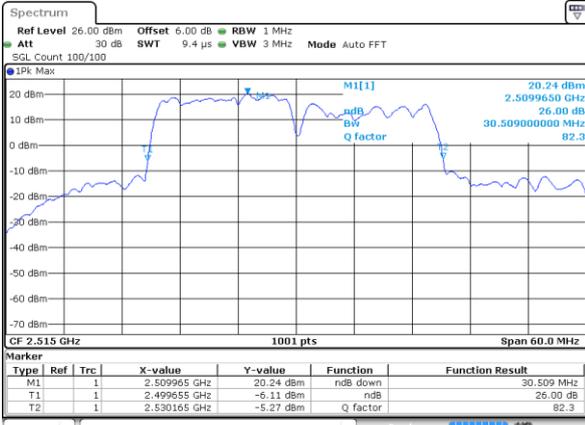
Date: 7 NOV 2020 16:25:39



LTE Band 7C

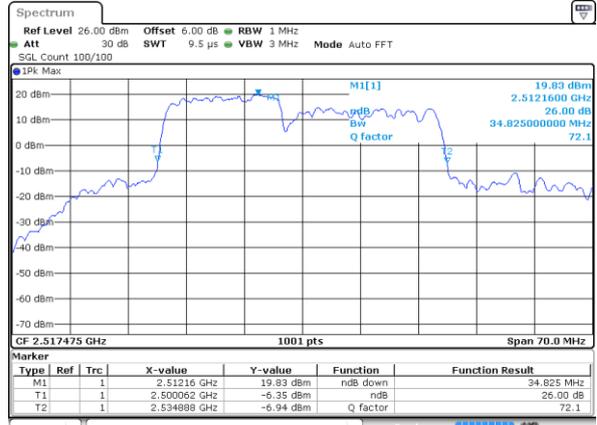
QPSK

Lowest Channel / 15MHz+15MHz



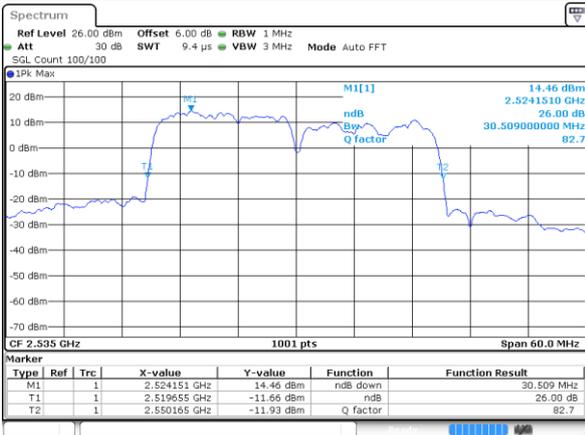
Date: 7 NOV 2020 10:35:35

Lowest Channel / 15MHz+20MHz



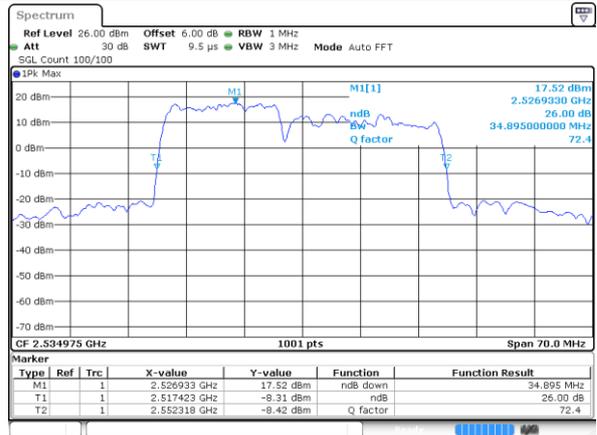
Date: 7 NOV 2020 11:28:15

Middle Channel / 15MHz+15MHz



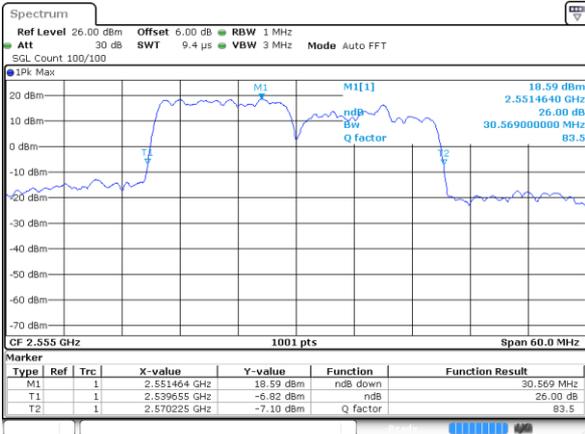
Date: 7 NOV 2020 10:59:49

Middle Channel / 15MHz+20MHz



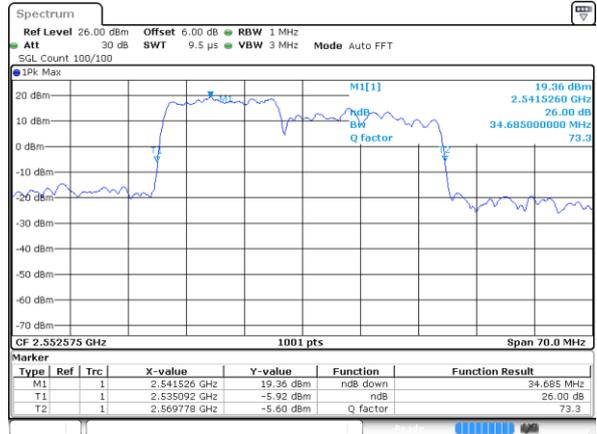
Date: 7 NOV 2020 11:31:52

Highest Channel / 15MHz+15MHz



Date: 7 NOV 2020 11:13:30

Highest Channel / 15MHz+20MHz



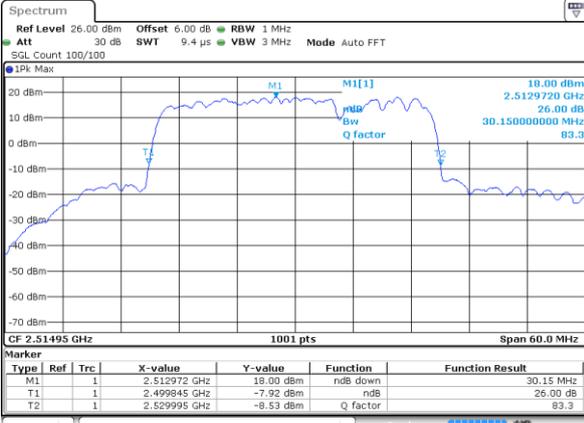
Date: 7 NOV 2020 11:47:01



LTE Band 7C

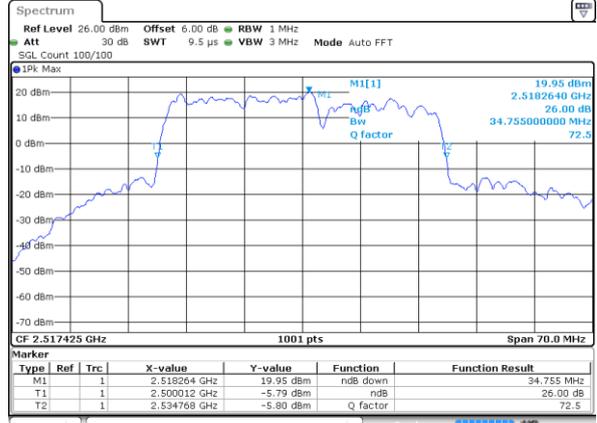
QPSK

Lowest Channel / 20MHz+10MHz



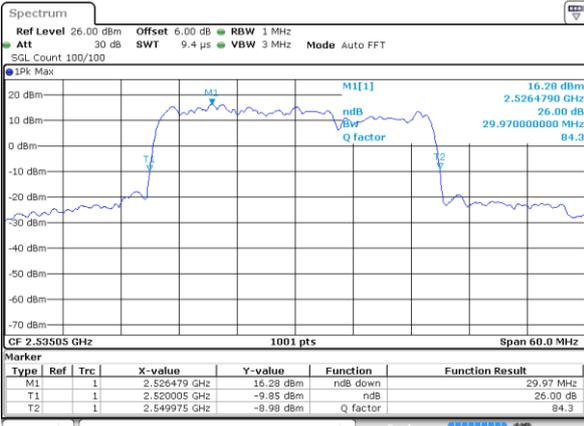
Date: 6 NOV 2020 15:29:17

Lowest Channel / 20MHz+15MHz



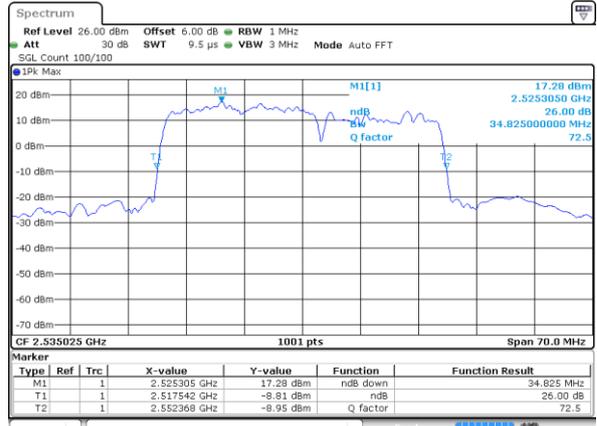
Date: 7 NOV 2020 11:50:22

Middle Channel / 20MHz+10MHz



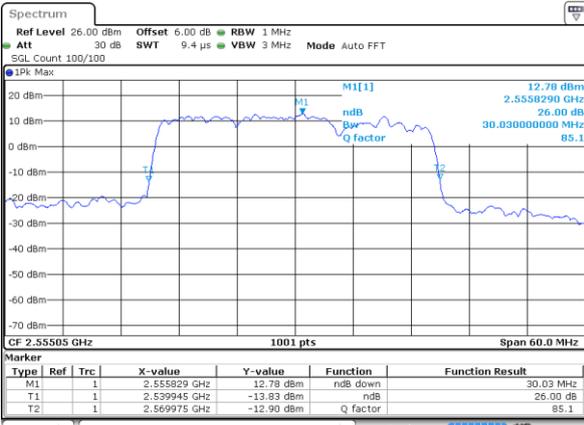
Date: 6 NOV 2020 15:43:01

Middle Channel / 20MHz+15MHz



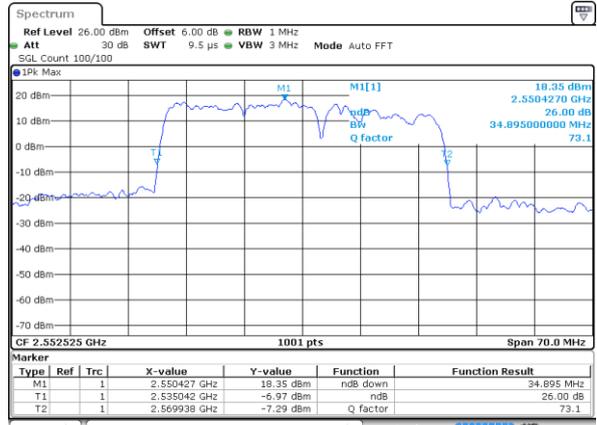
Date: 7 NOV 2020 12:02:35

Highest Channel / 20MHz+10MHz



Date: 6 NOV 2020 15:58:50

Highest Channel / 20MHz+15MHz



Date: 7 NOV 2020 12:05:33

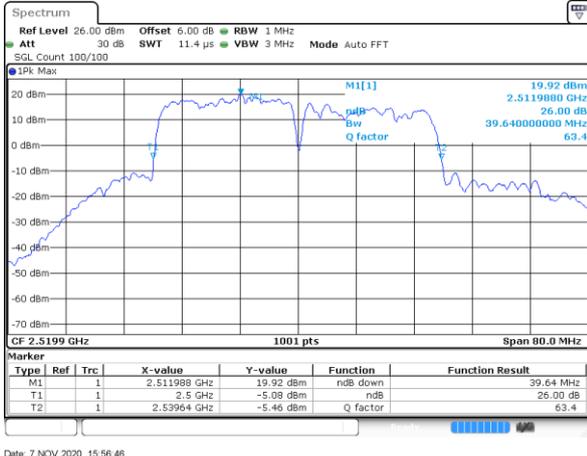


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

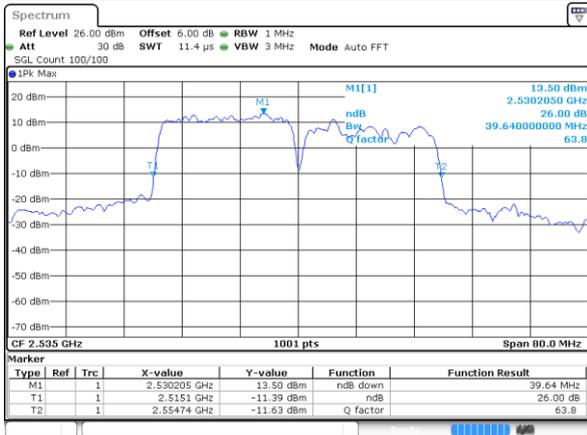
N/A



Date: 7 NOV 2020 15:56:46

Middle Channel / 20MHz+20MHz

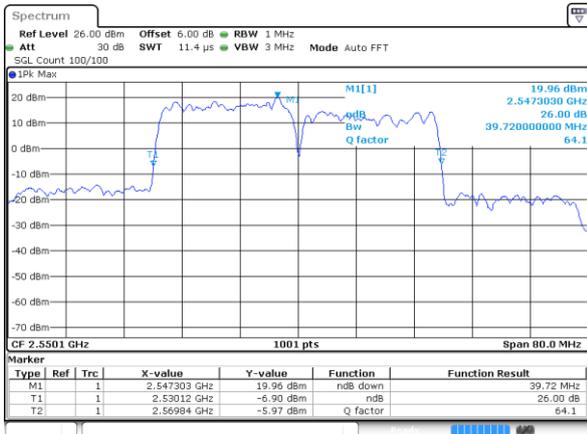
N/A



Date: 7 NOV 2020 15:41:40

Highest Channel / 20MHz+20MHz

N/A



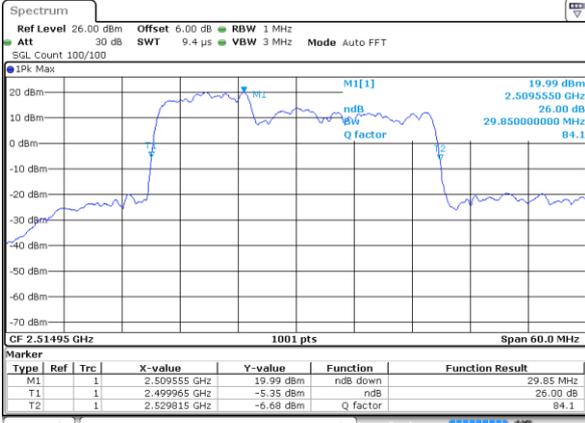
Date: 7 NOV 2020 15:38:30



LTE Band 7C

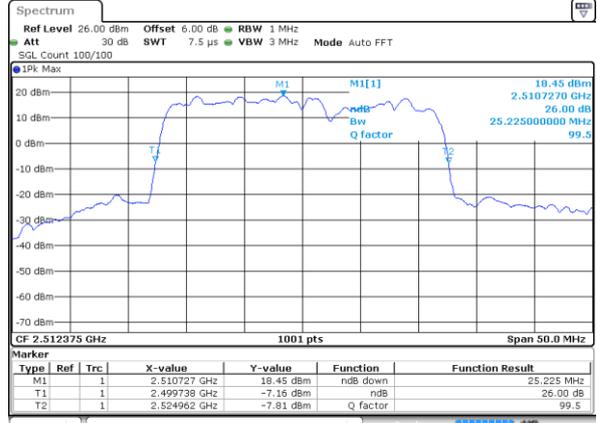
16QAM

Lowest Channel / 10MHz+20MHz



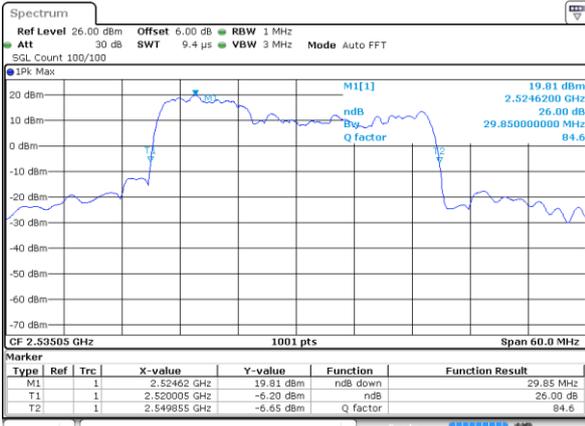
Date: 6 NOV 2020 14:34:54

Lowest Channel / 15MHz+10MHz



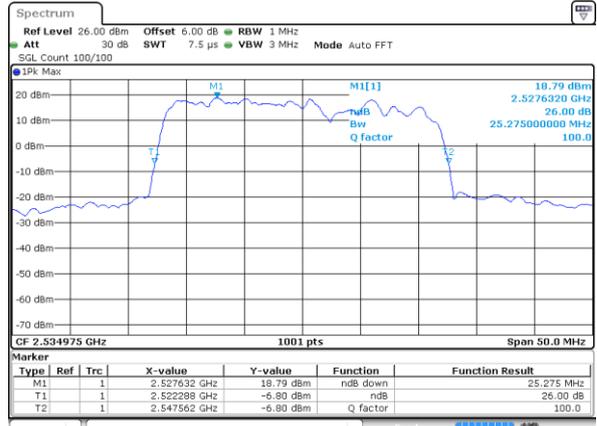
Date: 7 NOV 2020 16:05:19

Middle Channel / 10MHz+20MHz



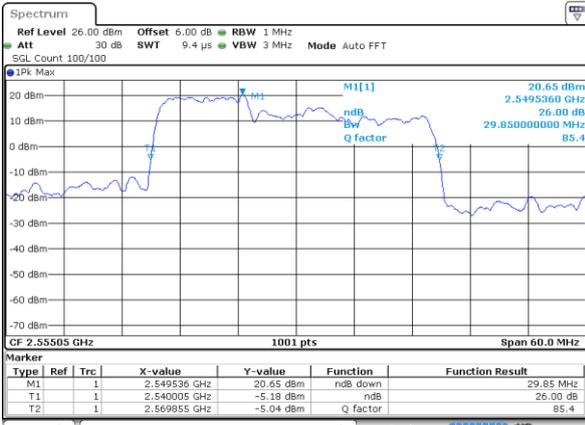
Date: 6 NOV 2020 14:46:34

Middle Channel / 15MHz+10MHz



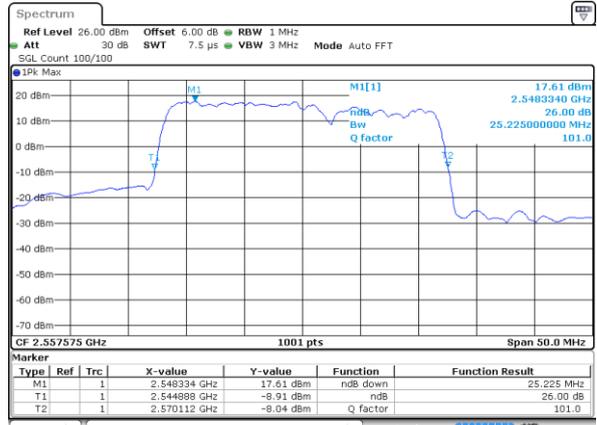
Date: 7 NOV 2020 16:22:20

Highest Channel / 10MHz+20MHz



Date: 6 NOV 2020 14:53:15

Highest Channel / 15MHz+10MHz



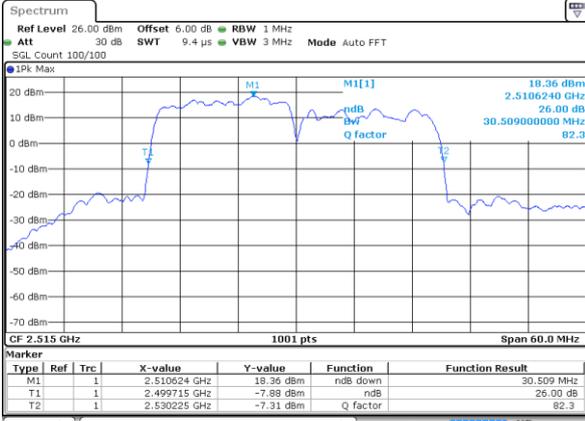
Date: 7 NOV 2020 16:26:21



LTE Band 7C

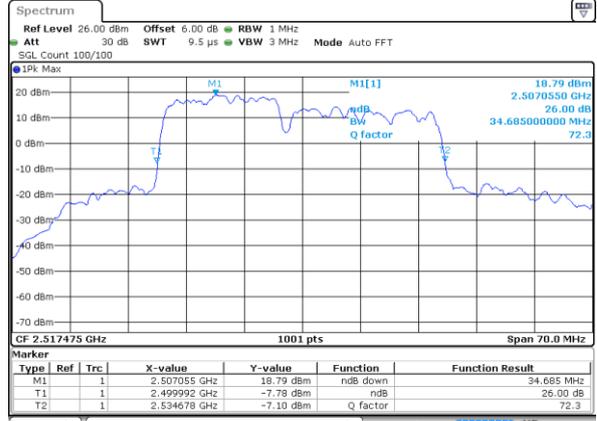
16QAM

Lowest Channel / 15MHz+15MHz



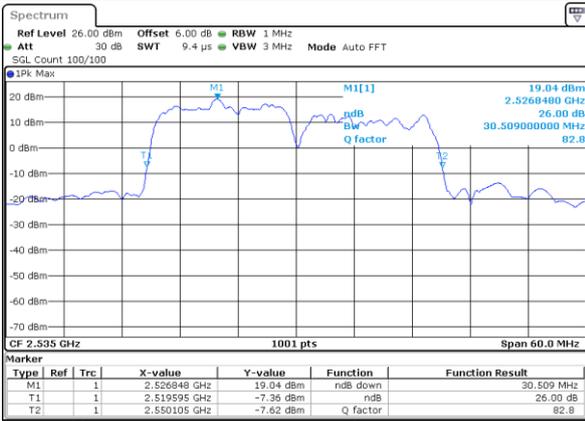
Date: 7 NOV 2020 10:36:20

Lowest Channel / 15MHz+20MHz



Date: 7 NOV 2020 11:29:00

Middle Channel / 15MHz+15MHz



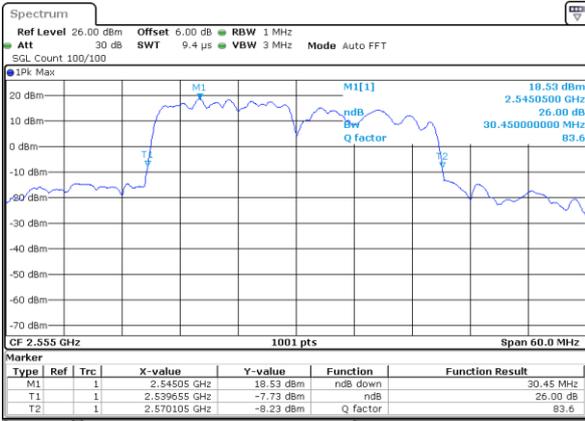
Date: 7 NOV 2020 11:00:17

Middle Channel / 15MHz+20MHz



Date: 7 NOV 2020 11:31:23

Highest Channel / 15MHz+15MHz



Date: 7 NOV 2020 11:12:31

Highest Channel / 15MHz+20MHz



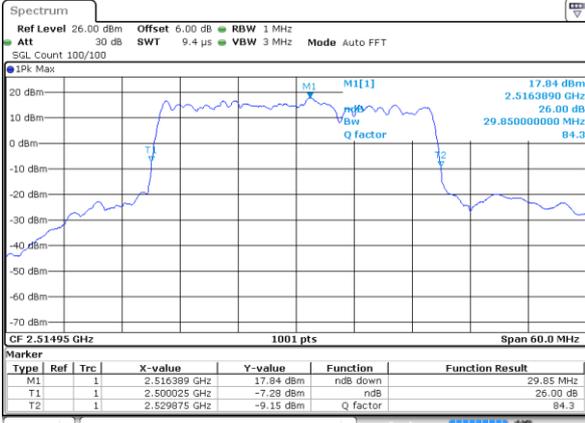
Date: 7 NOV 2020 11:47:40



LTE Band 7C

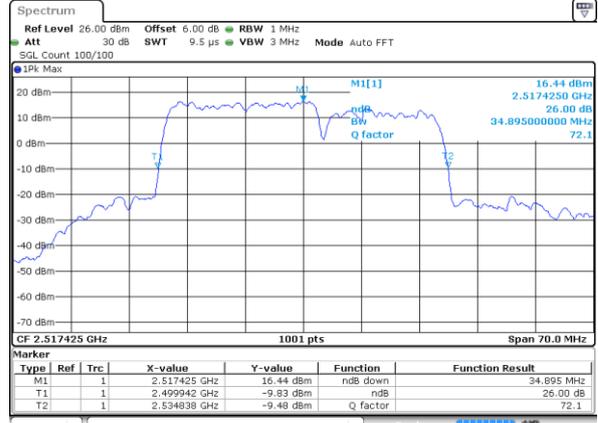
16QAM

Lowest Channel / 20MHz+10MHz



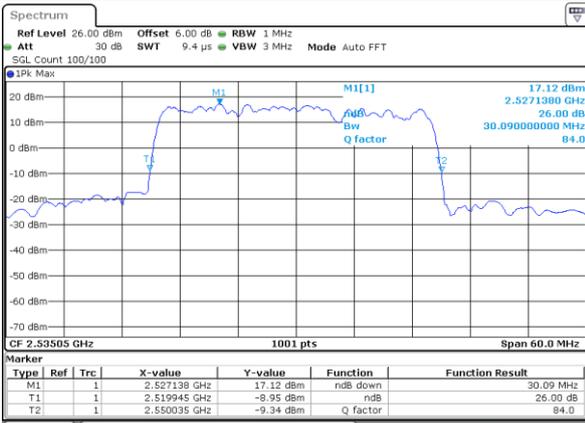
Date: 6 NOV 2020 15:30:12

Lowest Channel / 20MHz+15MHz



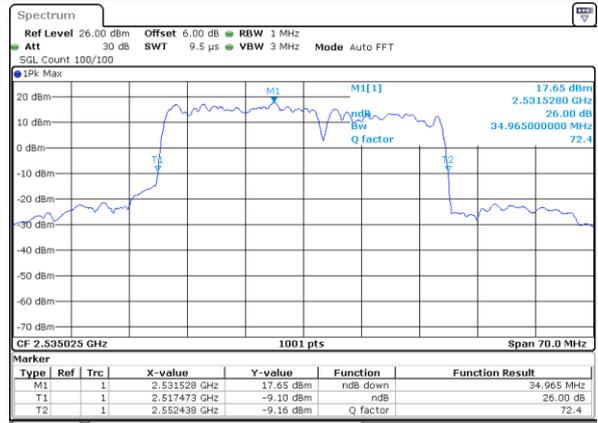
Date: 7 NOV 2020 11:51:01

Middle Channel / 20MHz+10MHz



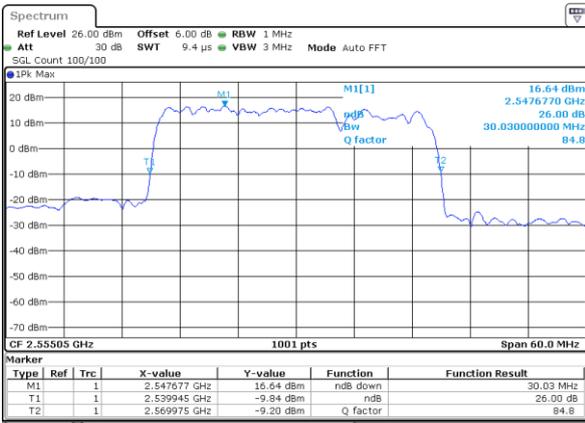
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Middle Channel / 20MHz+15MHz



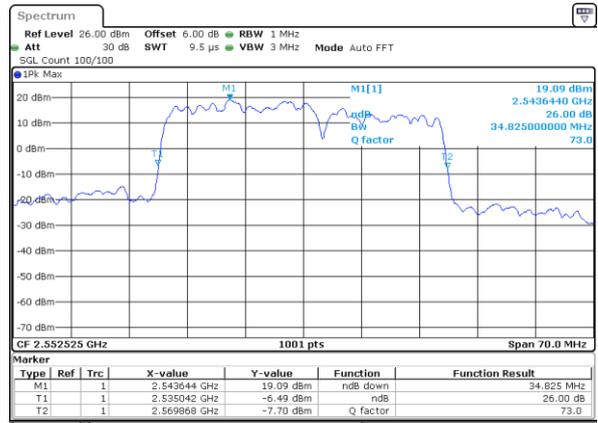
Date: 7 NOV 2020 12:03:00

Highest Channel / 20MHz+10MHz



Date: 6 NOV 2020 16:00:43

Highest Channel / 20MHz+15MHz



Date: 7 NOV 2020 12:04:53

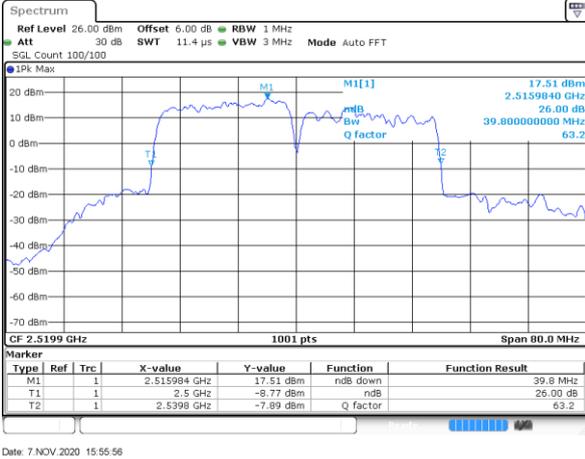


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

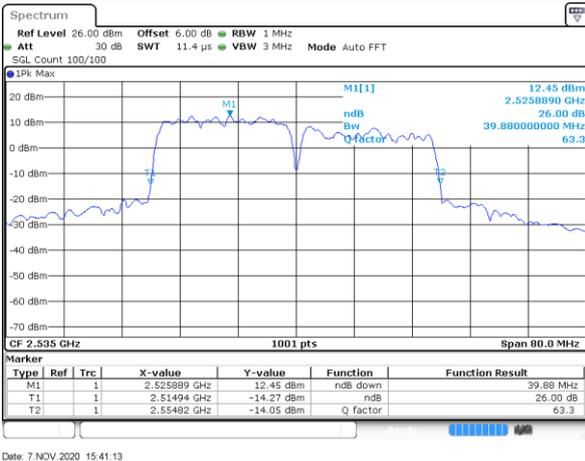
N/A



Date: 7 NOV 2020 15:55:56

Middle Channel / 20MHz+20MHz

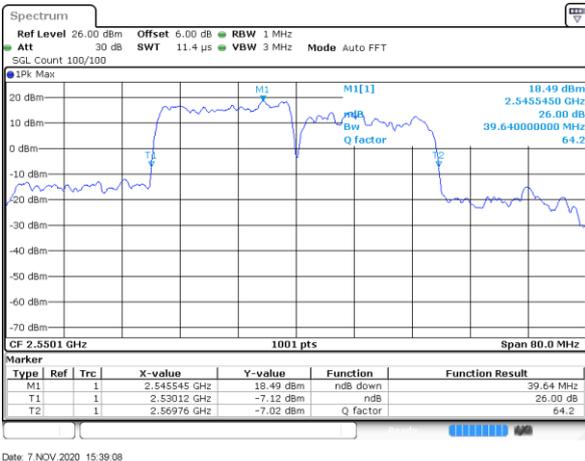
N/A



Date: 7 NOV 2020 15:41:13

Highest Channel / 20MHz+20MHz

N/A



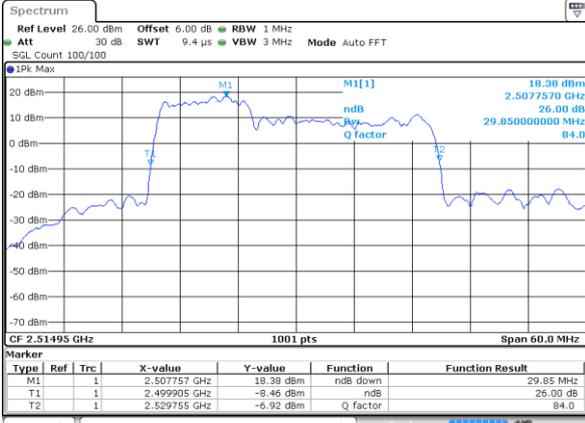
Date: 7 NOV 2020 15:39:08



LTE Band 7C

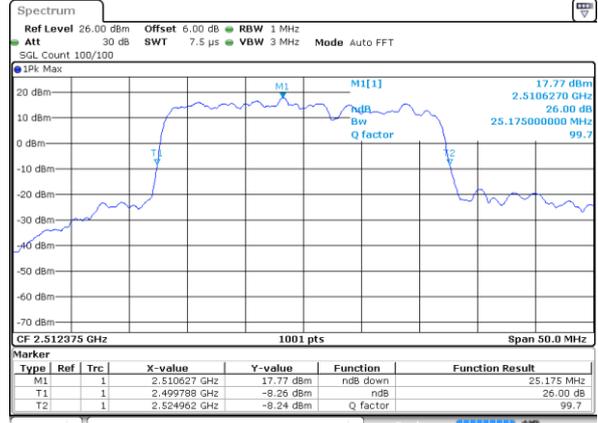
64QAM

Lowest Channel / 10MHz+20MHz



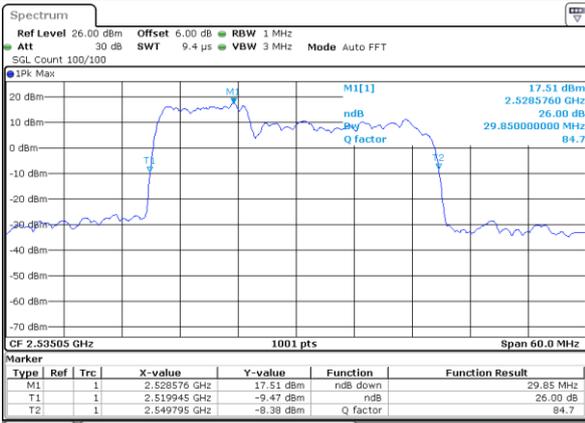
Date: 6 NOV 2020 14:36:00

Lowest Channel / 15MHz+10MHz



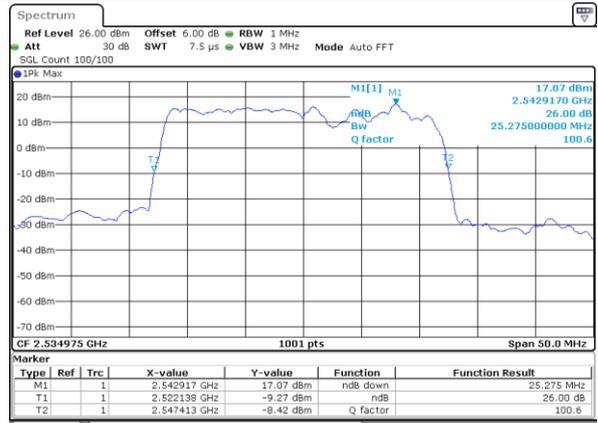
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Middle Channel / 10MHz+20MHz



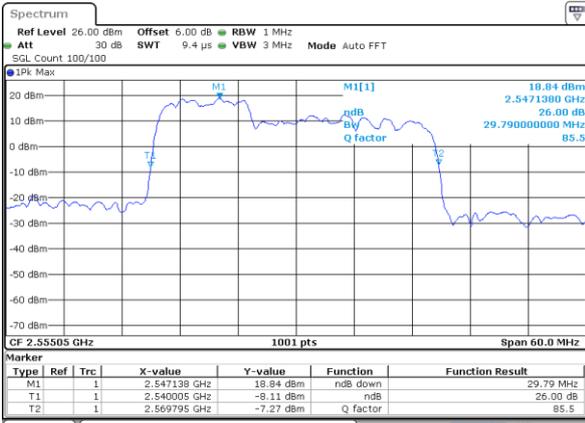
Date: 6 NOV 2020 14:47:22

Middle Channel / 15MHz+10MHz



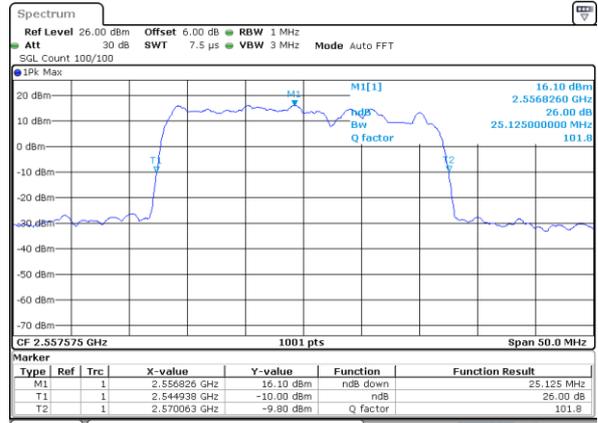
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Highest Channel / 10MHz+20MHz



Date: 6 NOV 2020 14:54:04

Highest Channel / 15MHz+10MHz



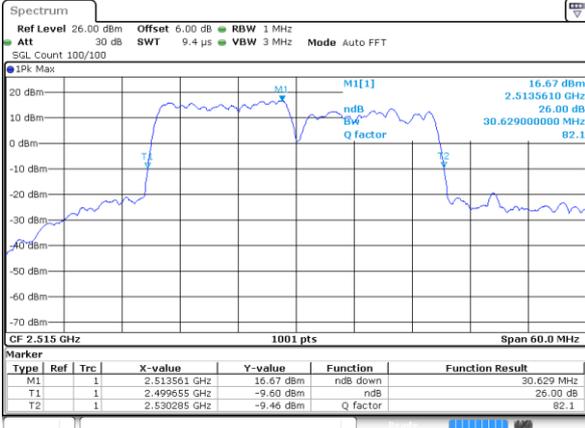
Date: 7 NOV 2020 16:28:10



LTE Band 7C

64QAM

Lowest Channel / 15MHz+15MHz



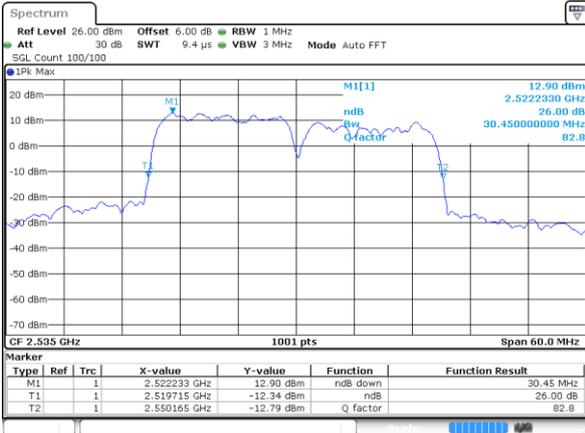
Date: 7 NOV 2020 10:37:04

Lowest Channel / 15MHz+20MHz



Date: 7 NOV 2020 11:29:37

Middle Channel / 15MHz+15MHz



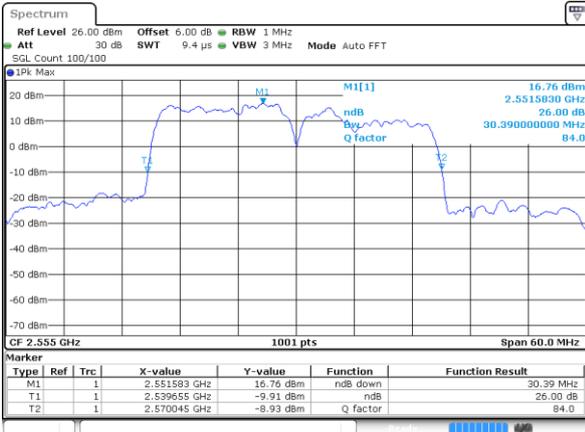
Date: 7 NOV 2020 11:00:41

Middle Channel / 15MHz+20MHz



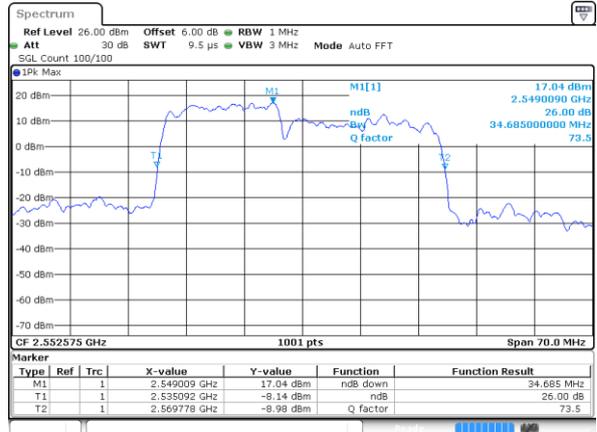
Date: 7 NOV 2020 11:30:50

Highest Channel / 15MHz+15MHz



Date: 7 NOV 2020 11:11:59

Highest Channel / 15MHz+20MHz



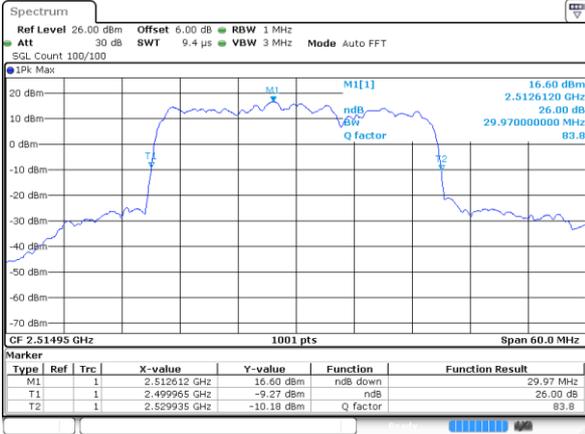
Date: 7 NOV 2020 11:48:23



LTE Band 7C

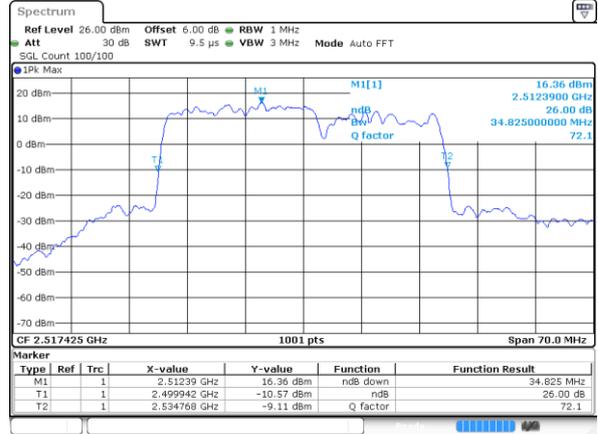
64QAM

Lowest Channel / 20MHz+10MHz



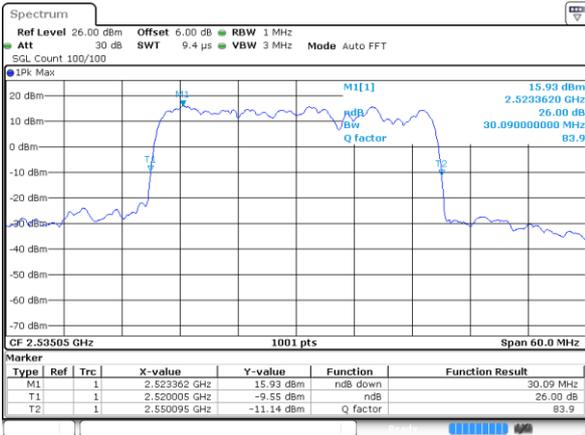
Date: 6 NOV 2020 15:31:39

Lowest Channel / 20MHz+15MHz



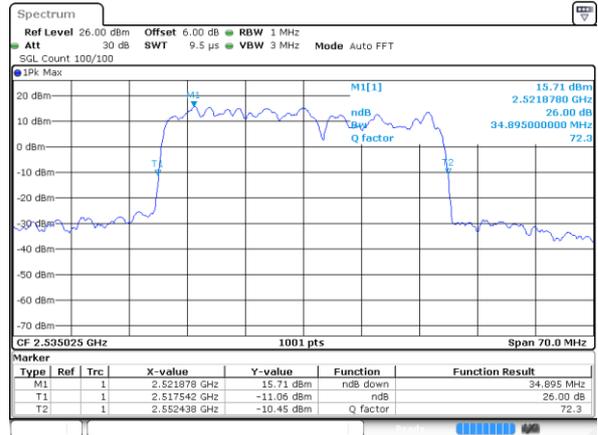
Date: 7 NOV 2020 11:51:40

Middle Channel / 20MHz+10MHz



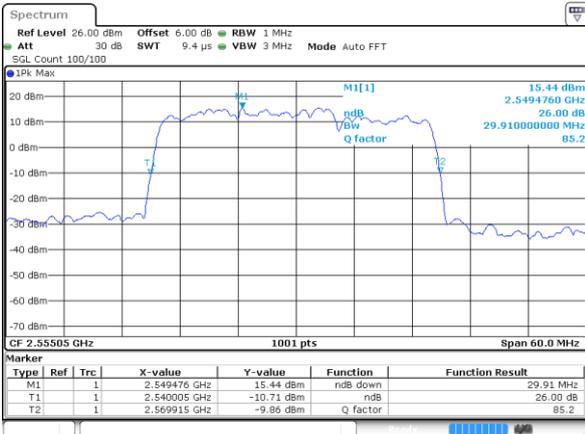
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Middle Channel / 20MHz+15MHz



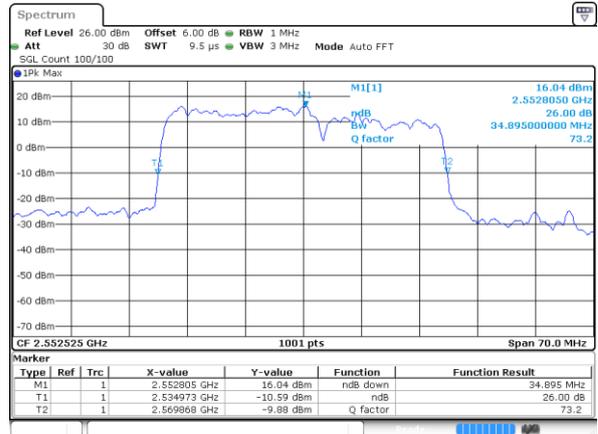
Date: 7 NOV 2020 12:03:25

Highest Channel / 20MHz+10MHz



Date: 6 NOV 2020 16:01:50

Highest Channel / 20MHz+15MHz



Date: 7 NOV 2020 12:04:14

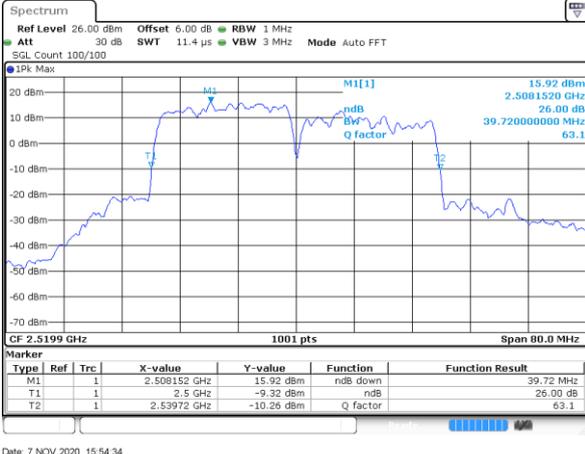


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

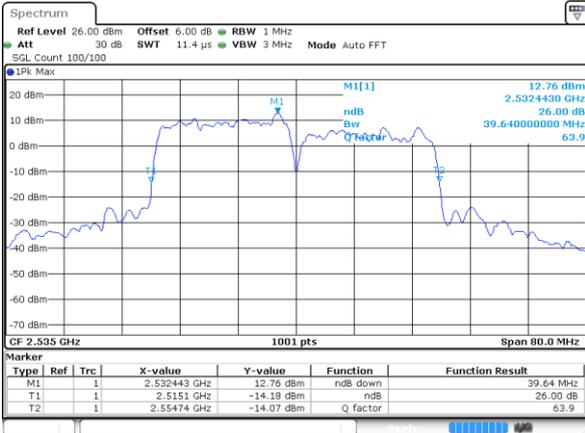
N/A



Date: 7 NOV 2020 15:54:34

Middle Channel / 20MHz+20MHz

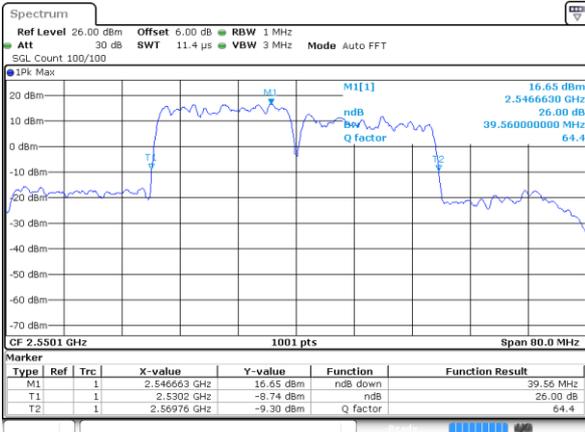
N/A



Date: 7 NOV 2020 15:40:47

Highest Channel / 20MHz+20MHz

N/A



Date: 7 NOV 2020 15:39:46



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.93	22.98	28.29	32.80
Middle CH	27.75	23.28	28.41	32.80
Highest CH	27.63	23.18	28.05	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.99	32.59	37.32	-
Middle CH	28.11	32.52	37.48	-
Highest CH	27.75	32.52	37.48	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.33	28.29	32.73
Middle CH	28.11	23.43	28.41	32.38
Highest CH	27.87	23.33	28.41	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.17	32.45	37.16	-
Middle CH	28.23	32.73	37.56	-
Highest CH	27.57	32.38	37.00	-

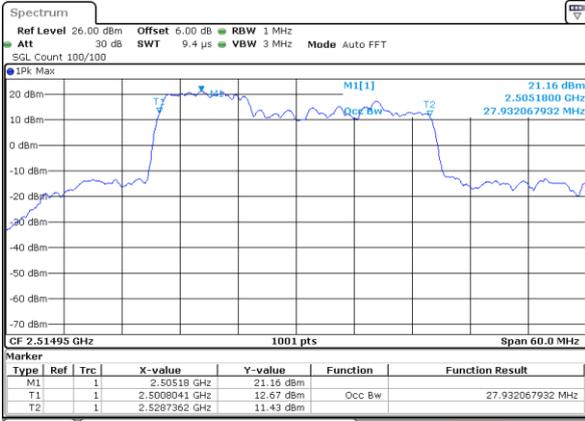
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.33	28.17	32.45
Middle CH	27.69	23.48	28.29	32.80
Highest CH	27.81	23.28	28.29	32.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.05	32.59	37.08	-
Middle CH	27.93	32.52	37.32	-
Highest CH	27.75	32.45	37.64	-



LTE Band 7C

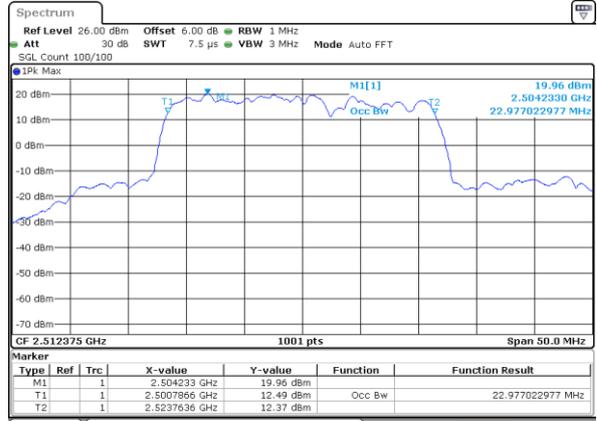
QPSK

Lowest Channel / 10MHz+20MHz



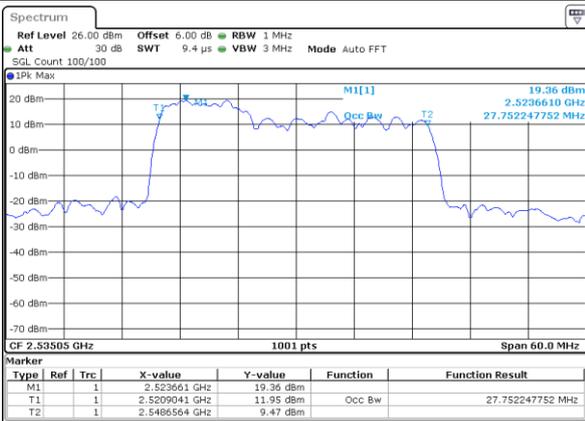
Date: 6 NOV 2020 14:32:58

Lowest Channel / 15MHz+10MHz



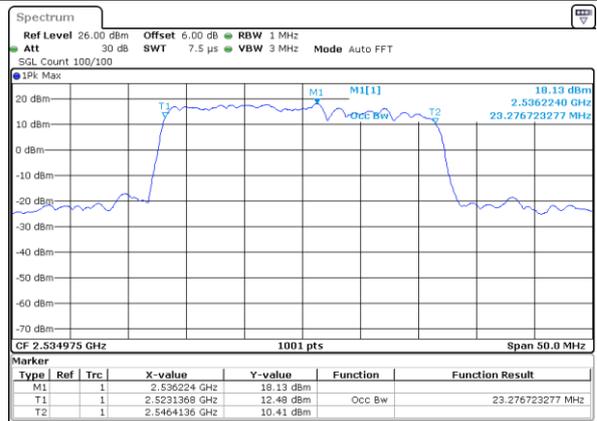
Date: 7 NOV 2020 16:04:30

Middle Channel / 10MHz+20MHz



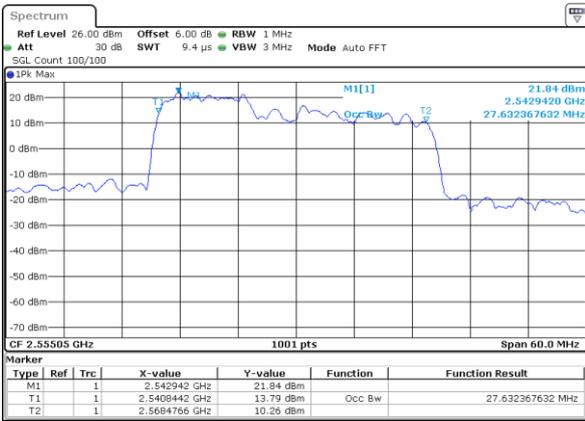
Date: 6 NOV 2020 14:45:34

Middle Channel / 15MHz+10MHz



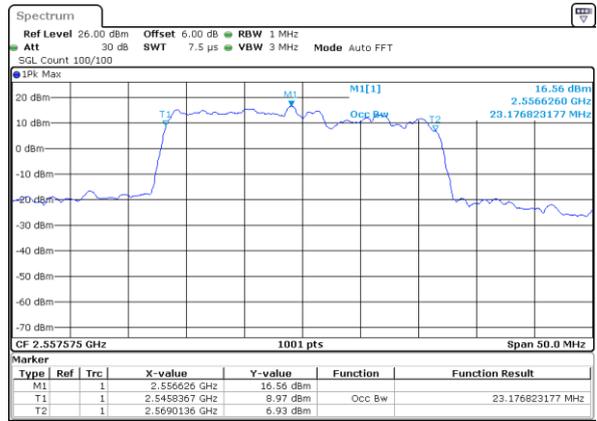
Date: 7 NOV 2020 16:22:35

Highest Channel / 10MHz+20MHz



Date: 6 NOV 2020 14:52:16

Highest Channel / 15MHz+10MHz



Date: 7 NOV 2020 16:25:32



LTE Band 7C

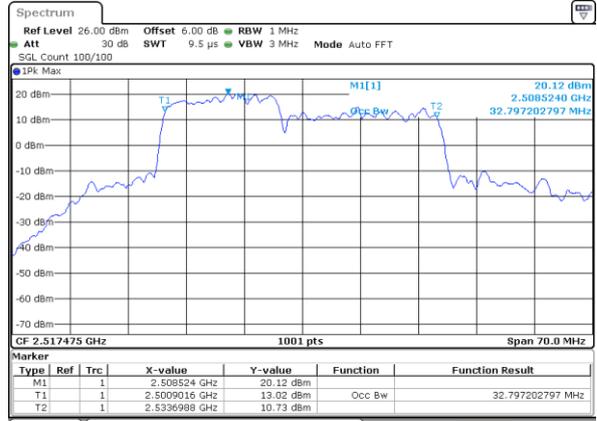
QPSK

Lowest Channel / 15MHz+15MHz



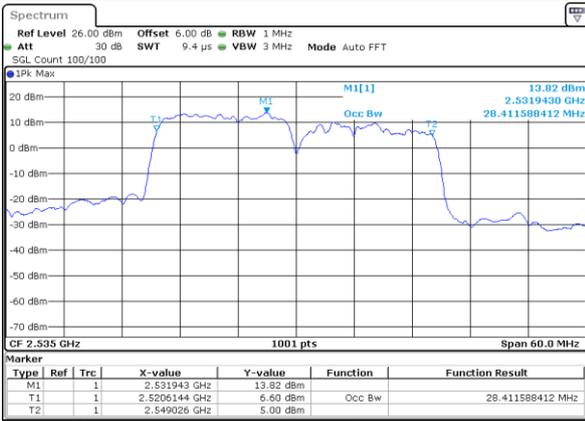
Date: 7 NOV 2020 10:35:28

Lowest Channel / 15MHz+20MHz



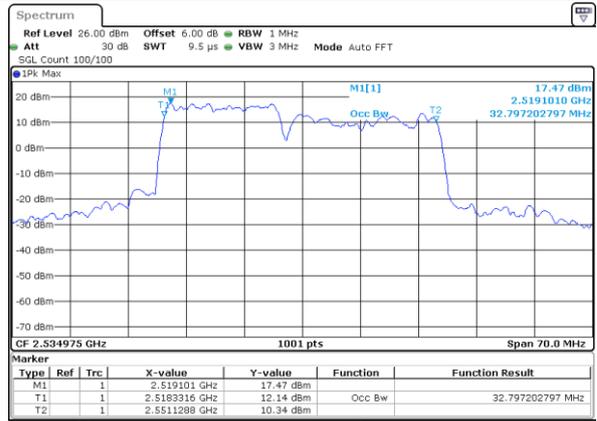
Date: 7 NOV 2020 11:28:06

Middle Channel / 15MHz+15MHz



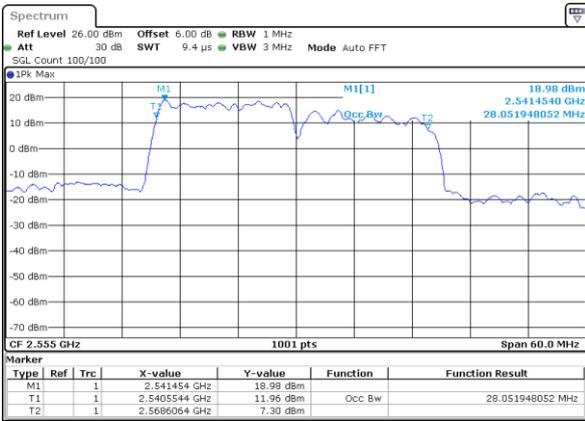
Date: 7 NOV 2020 10:59:42

Middle Channel / 15MHz+20MHz



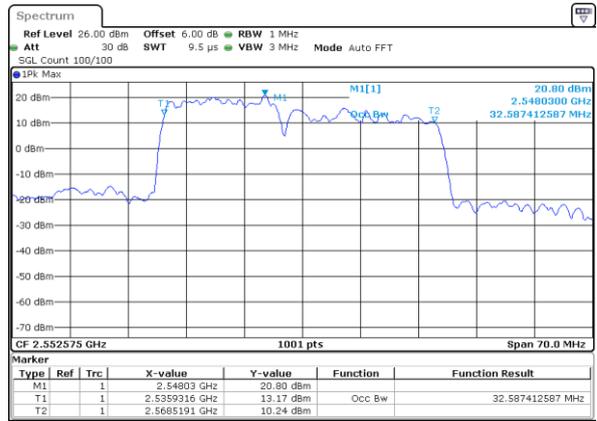
Date: 7 NOV 2020 11:31:45

Highest Channel / 15MHz+15MHz



Date: 7 NOV 2020 11:13:22

Highest Channel / 15MHz+20MHz



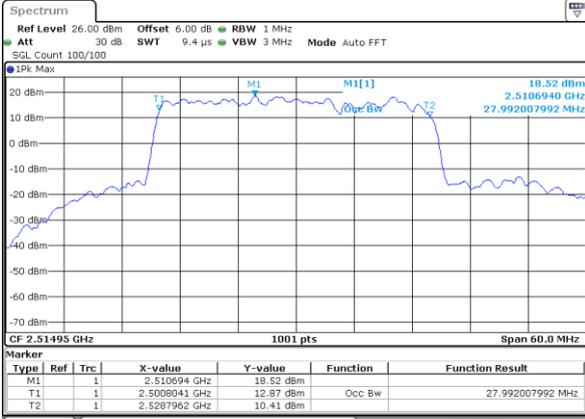
Date: 7 NOV 2020 11:46:53



LTE Band 7C

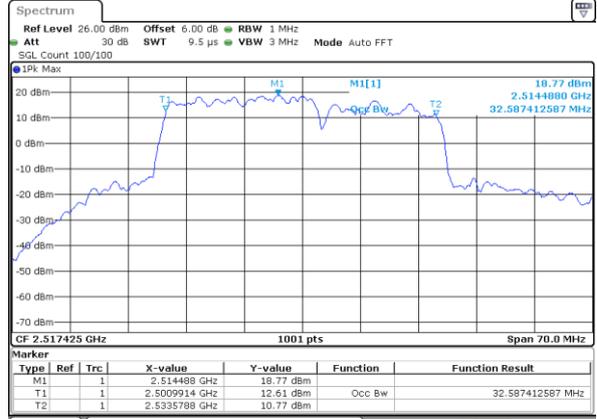
QPSK

Lowest Channel / 20MHz+10MHz



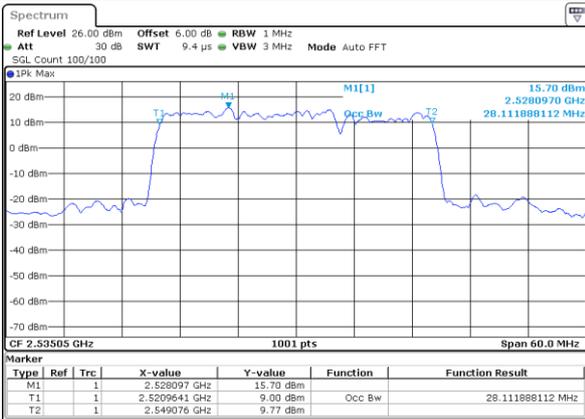
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Lowest Channel / 20MHz+15MHz



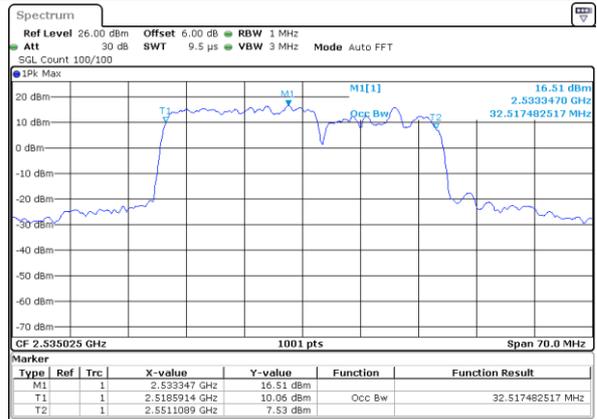
Date: 7 NOV 2020 11:50:14

Middle Channel / 20MHz+10MHz



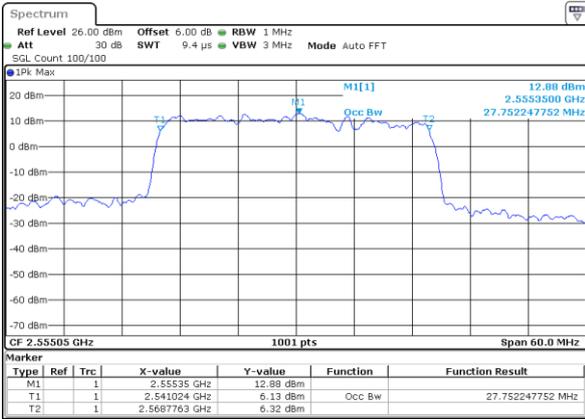
Date: 6 NOV 2020 15:42:40

Middle Channel / 20MHz+15MHz



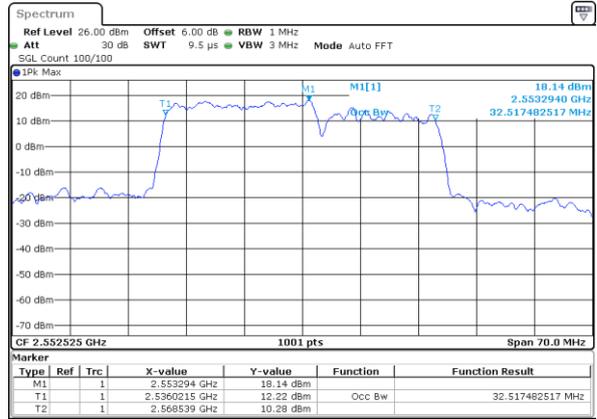
Date: 7 NOV 2020 12:02:27

Highest Channel / 20MHz+10MHz



Date: 6 NOV 2020 16:02:45

Highest Channel / 20MHz+15MHz



Date: 7 NOV 2020 12:05:25

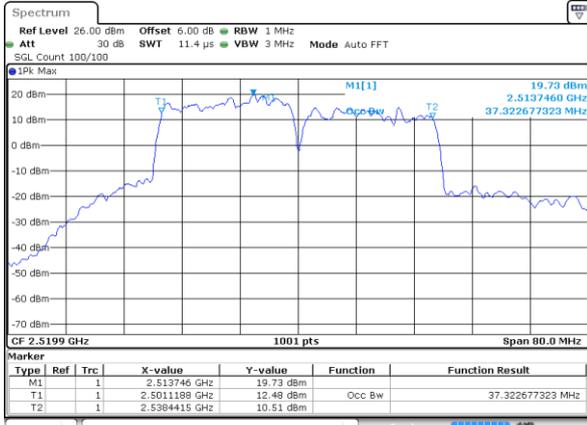


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

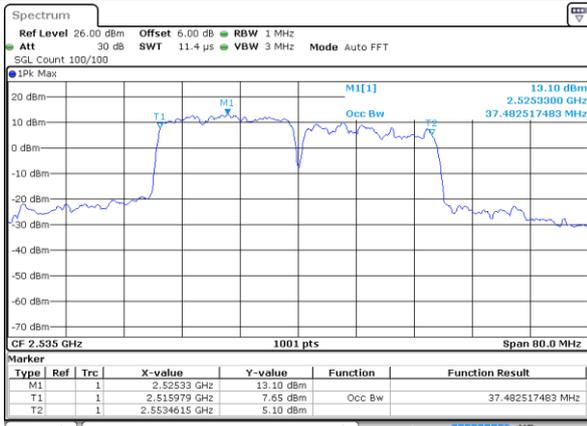
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Date: 7 NOV 2020 15:56:38

Middle Channel / 20MHz+20MHz

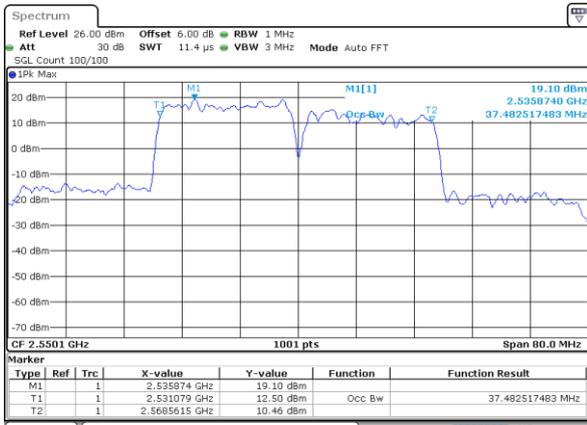
N/A



Date: 7 NOV 2020 15:41:31

Highest Channel / 20MHz+20MHz

N/A



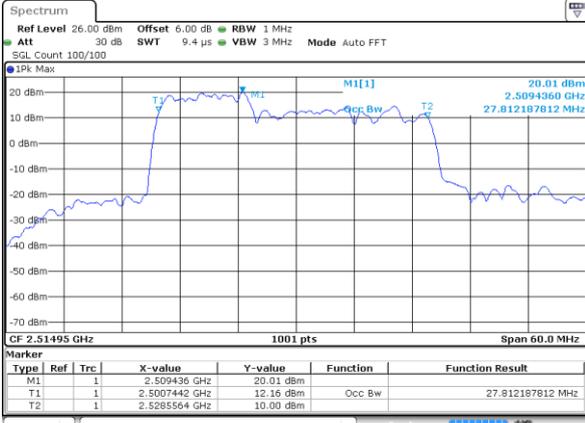
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LTE Band 7C

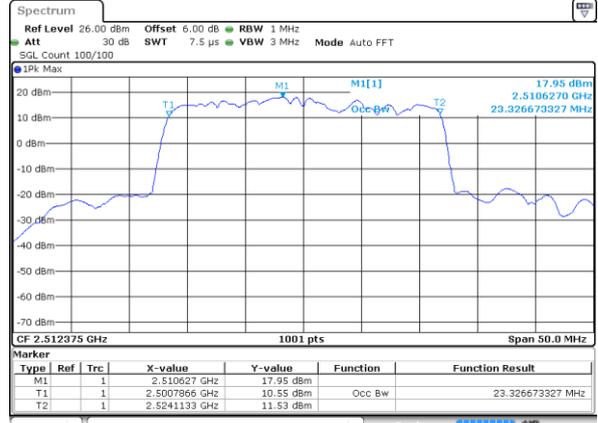
16QAM

Lowest Channel / 10MHz+20MHz



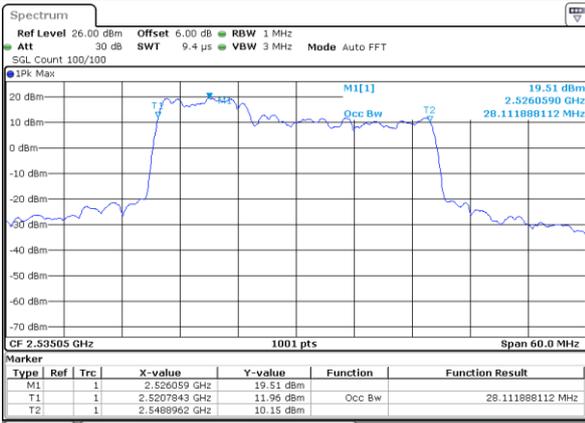
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Lowest Channel / 15MHz+10MHz



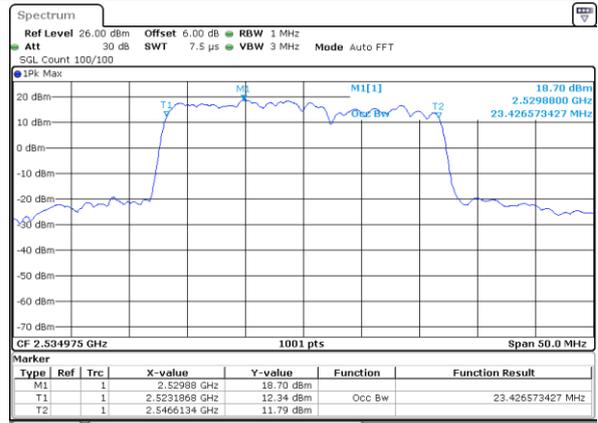
Date: 7 NOV 2020 16:05:12

Middle Channel / 10MHz+20MHz



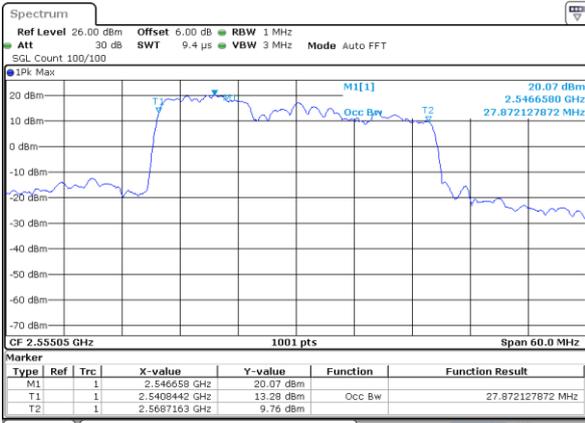
Date: 6 NOV 2020 14:46:20

Middle Channel / 15MHz+10MHz



Date: 7 NOV 2020 16:22:13

Highest Channel / 10MHz+20MHz



Date: 6 NOV 2020 14:53:07

Highest Channel / 15MHz+10MHz



Date: 7 NOV 2020 16:26:14