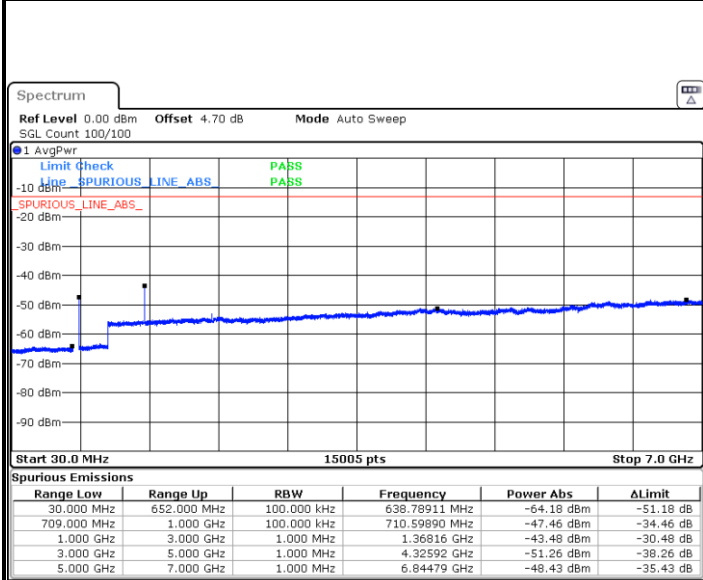




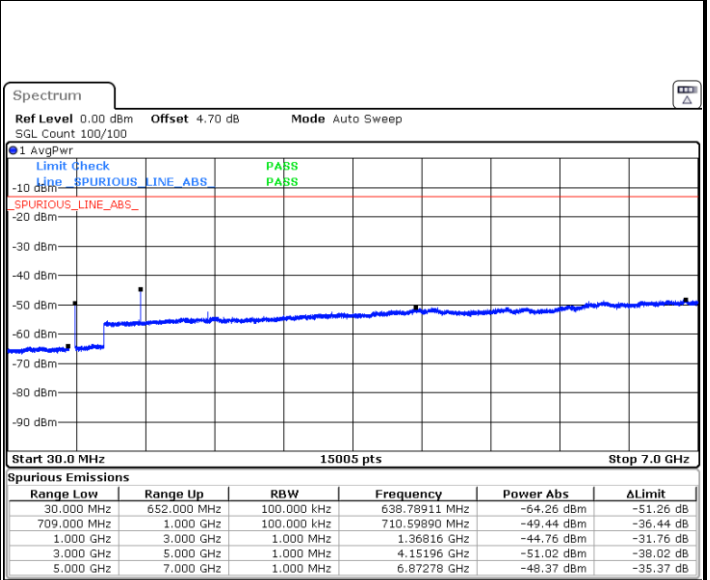
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 6 FEB 2020 05:17:00

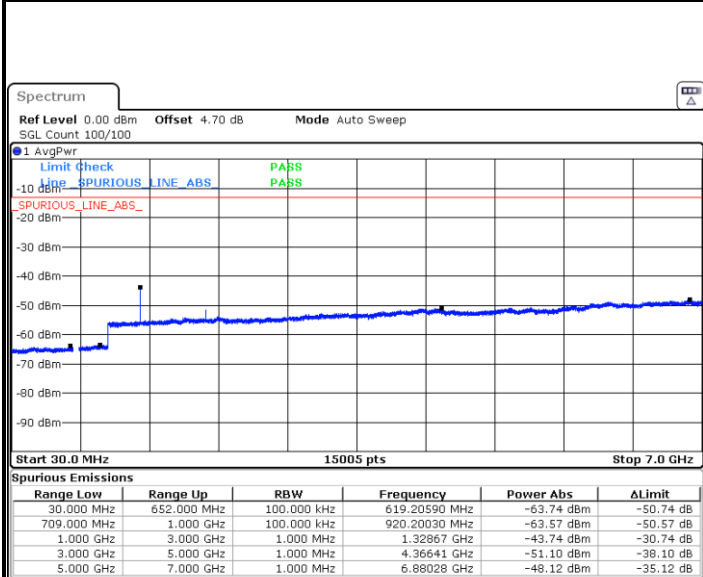
Highest Channel / 16QAM



Date: 6 FEB 2020 05:17:20

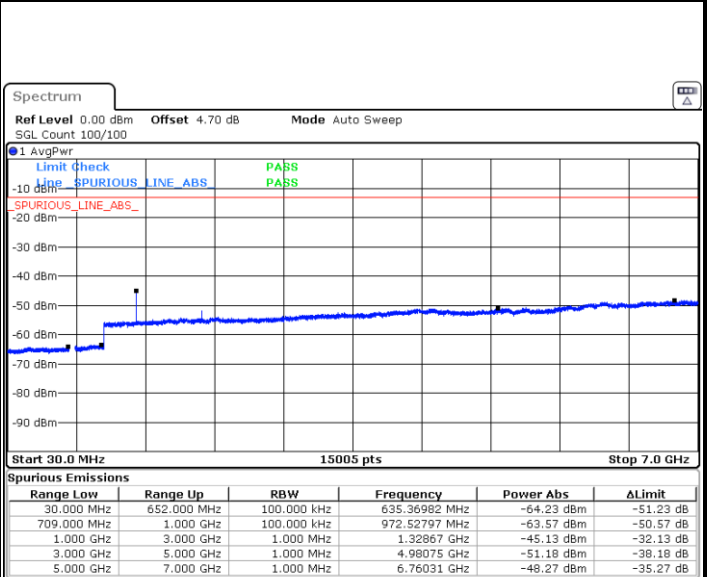
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 6 FEB 2020 03:48:13

Lowest Channel / 16QAM



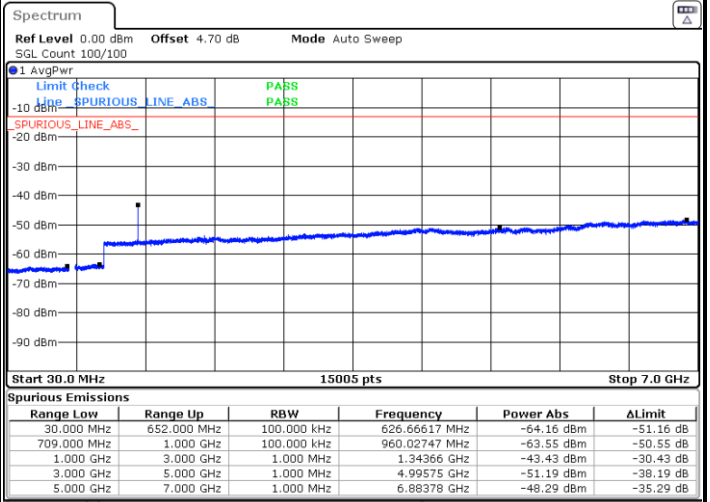
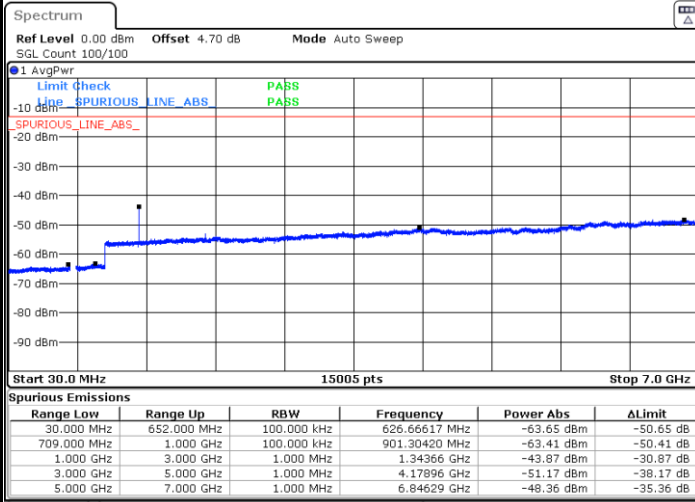
Date: 6 FEB 2020 03:48:56



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

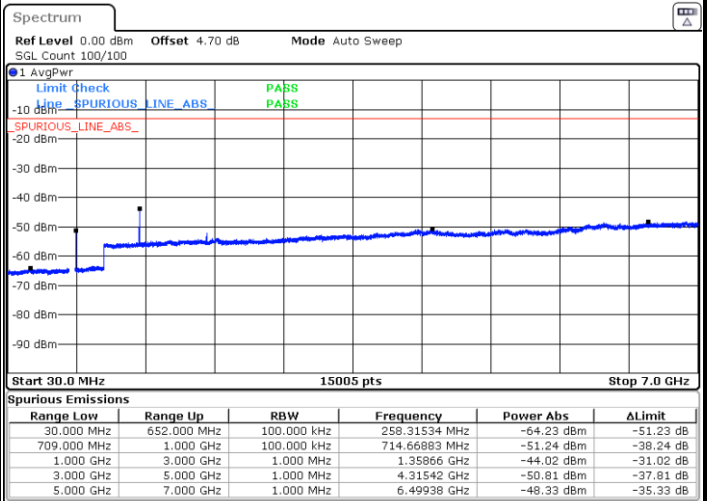
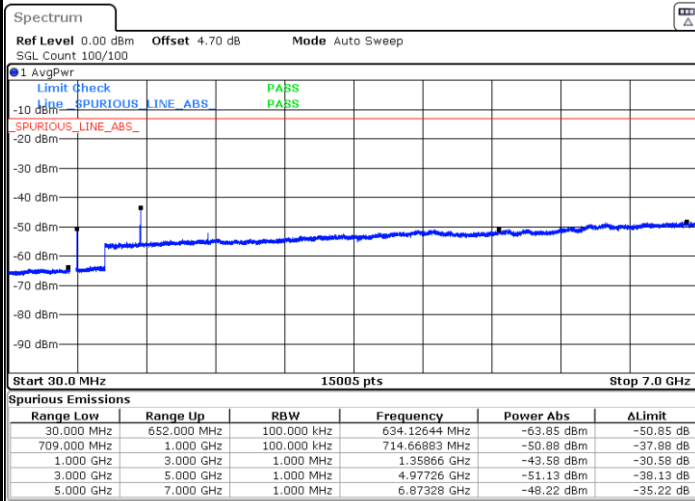


Date: 6 FEB 2020 03:43:04

Date: 6 FEB 2020 03:43:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 FEB 2020 03:36:18

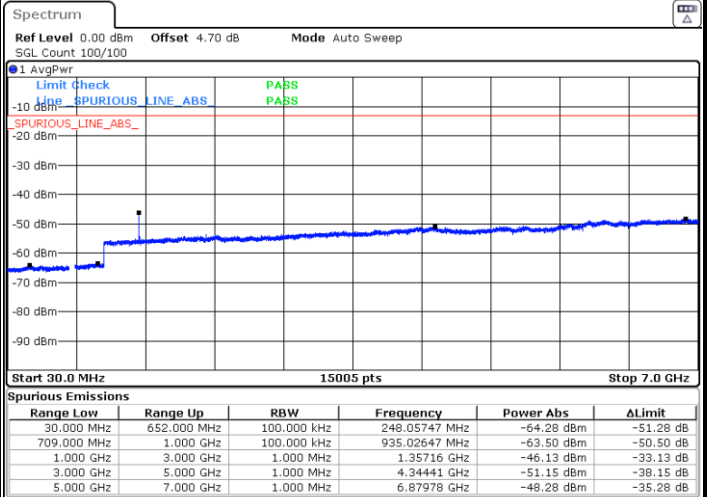
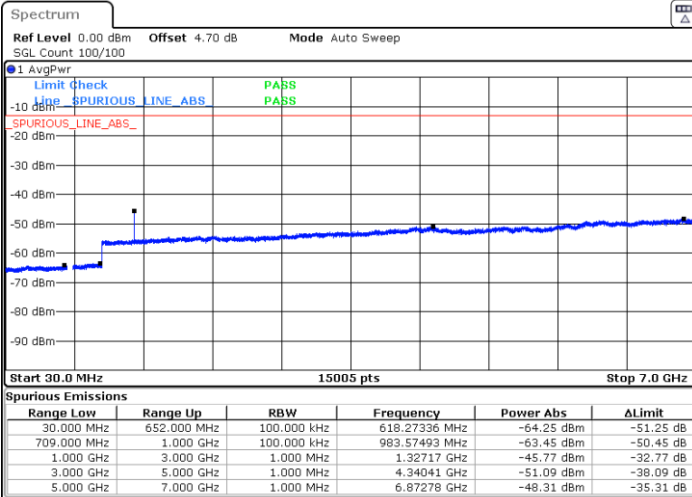
Date: 6 FEB 2020 03:35:40



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

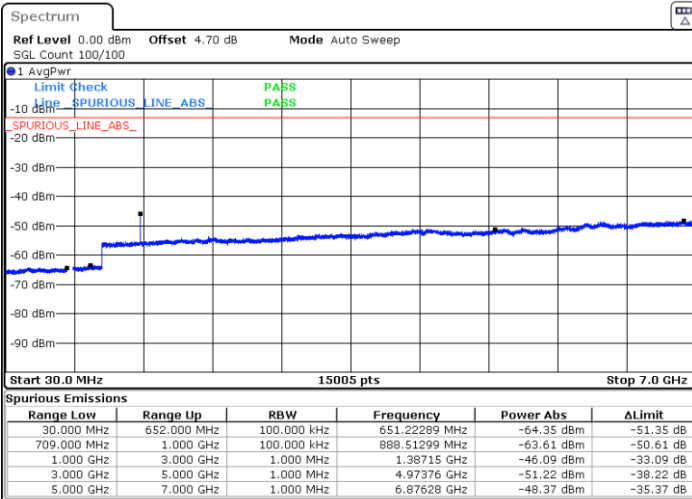
Middle Channel / 64QAM



Date: 6 FEB 2020 04:02:06

Date: 6 FEB 2020 04:36:35

Highest Channel / 64QAM



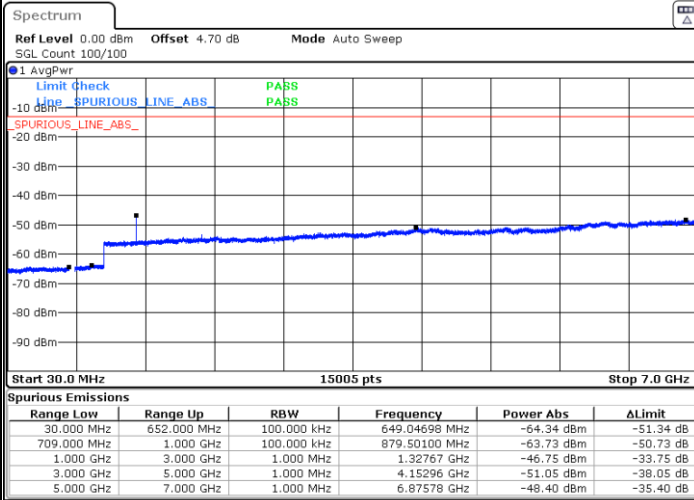
Date: 6 FEB 2020 04:44:52



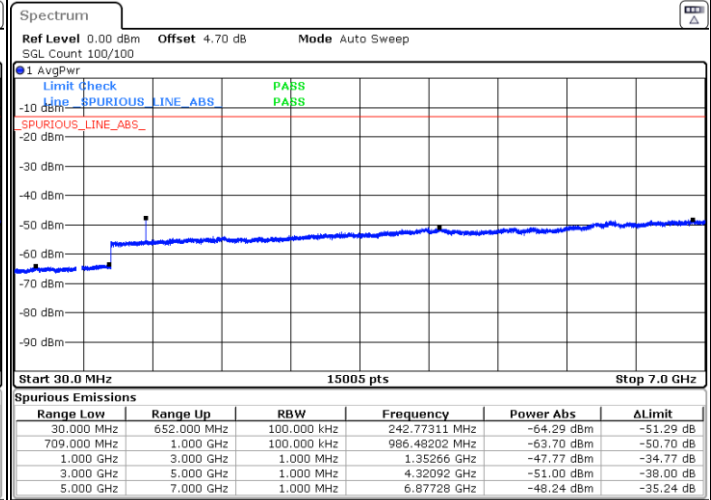
LTE Band 71 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

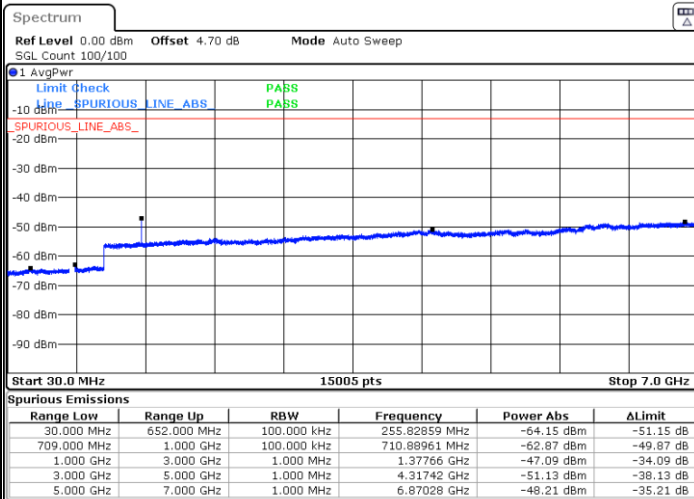


Date: 6 FEB 2020 04:52:44



Date: 6 FEB 2020 04:56:24

Highest Channel / 64QAM



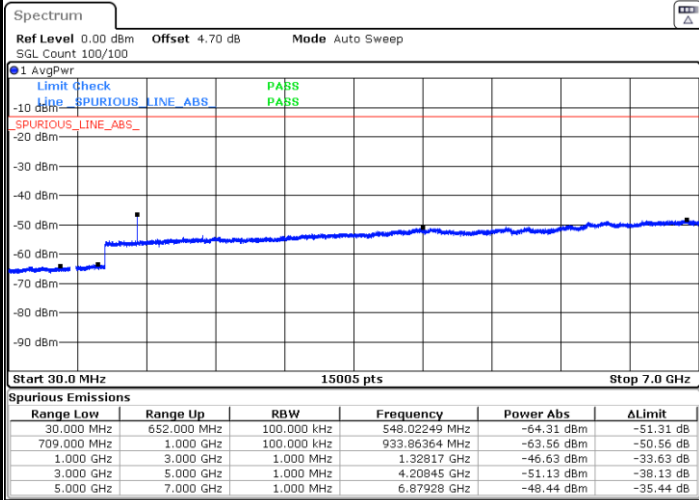
Date: 6 FEB 2020 05:01:30



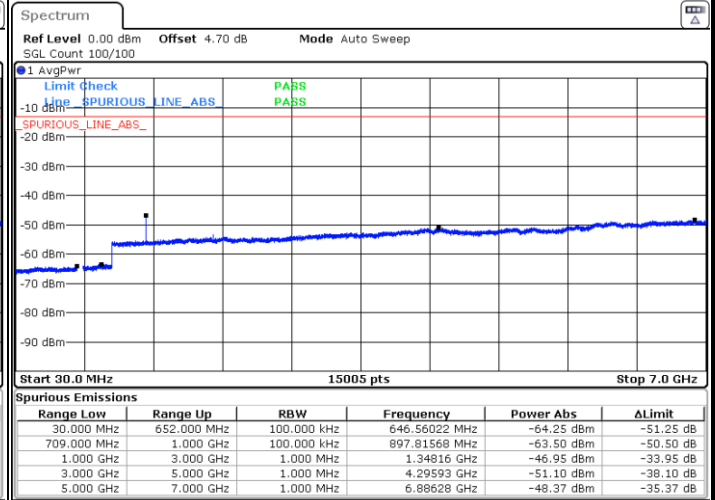
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

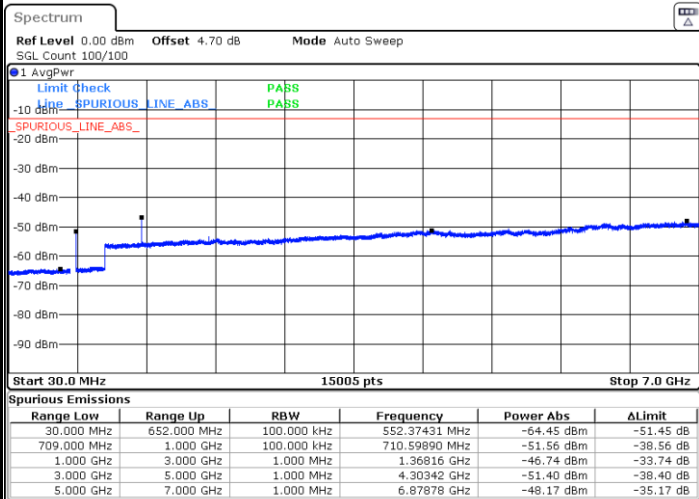


Date: 6 FEB 2020 05:11:23



Date: 6 FEB 2020 05:11:53

Highest Channel / 64QAM



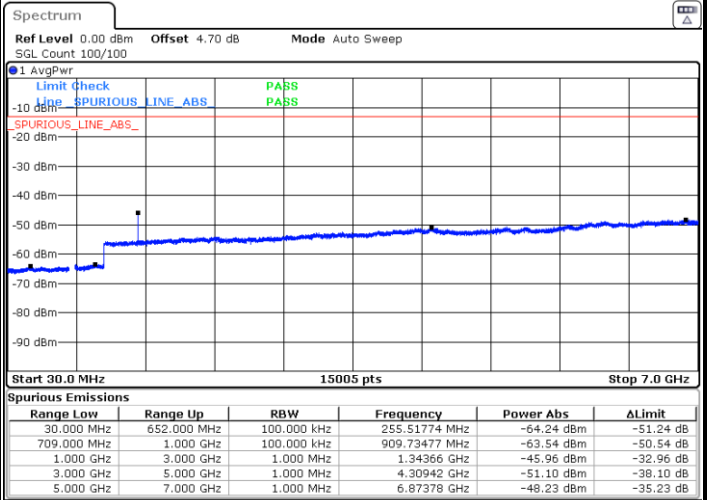
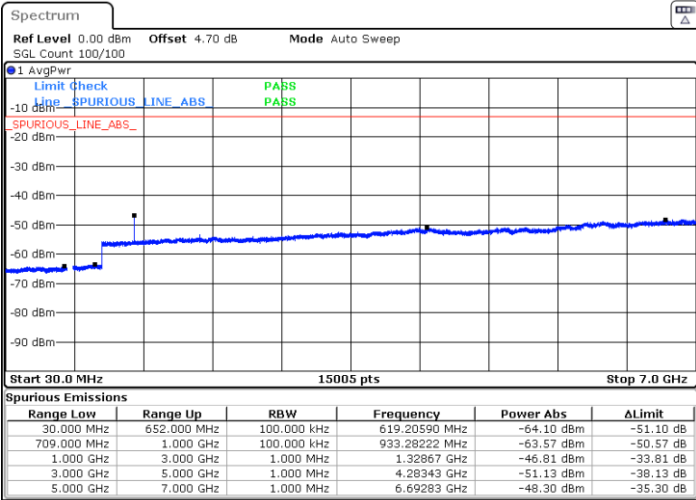
Date: 6 FEB 2020 05:18:16



LTE Band 71 / 20MHz

Lowest Channel / 64QAM

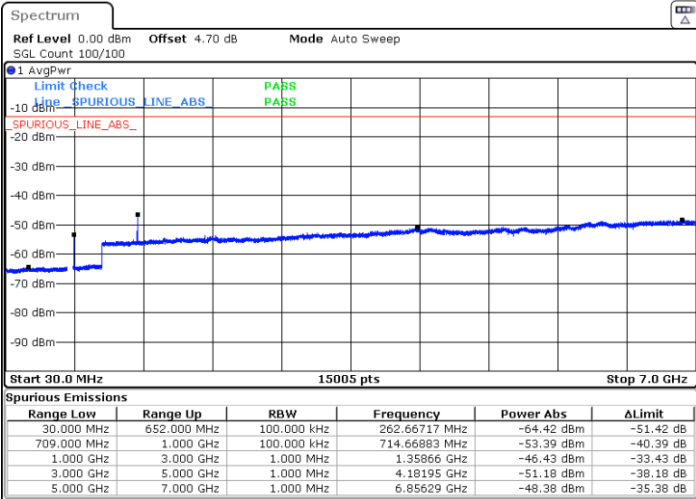
Middle Channel / 64QAM



Date: 6 FEB 2020 03:45:35

Date: 6 FEB 2020 03:44:15

Highest Channel / 64QAM



Date: 6 FEB 2020 03:35:02



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	0.0023	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0004	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41CA

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.83	25.13	29.79	25.08	30.63
Middle CH	24.73	24.98	29.85	25.13	30.51
Highest CH	24.68	25.03	29.73	25.08	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.83	30.09	34.76	39.88
Middle CH	34.83	24.83	29.85	34.90	39.80
Highest CH	34.76	24.83	30.03	34.90	39.64

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.63	25.08	29.85	25.08	30.75
Middle CH	24.68	24.88	29.79	25.03	30.51
Highest CH	24.73	24.88	29.85	25.13	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.93	30.03	34.90	39.72
Middle CH	34.83	24.78	30.09	34.83	39.64
Highest CH	34.90	24.83	29.79	34.83	39.72

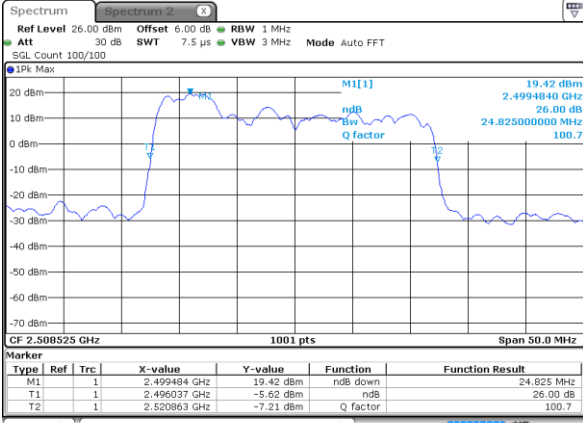
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.68	25.13	29.85	25.13	30.57
Middle CH	24.78	25.03	29.85	25.23	30.51
Highest CH	24.63	25.03	29.91	25.13	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.68	30.03	34.76	39.56
Middle CH	34.76	24.73	30.03	34.83	40.04
Highest CH	34.83	24.88	29.79	34.83	39.72



LTE Band 41C

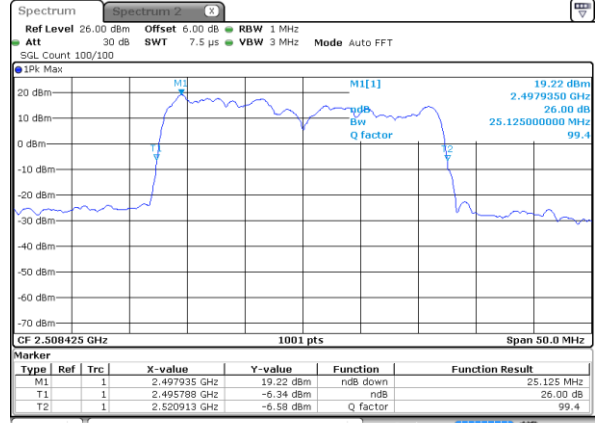
QPSK

Lowest Channel / 5MHz+20MHz



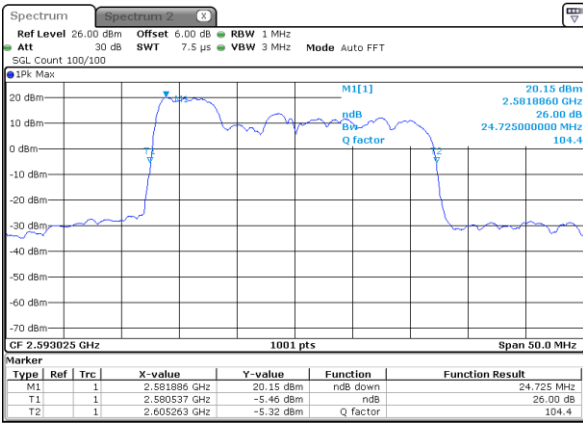
Date: 4 MAR 2020 13:20:22

Lowest Channel / 10MHz+15MHz



Date: 4 MAR 2020 14:46:12

Middle Channel / 5MHz+20MHz



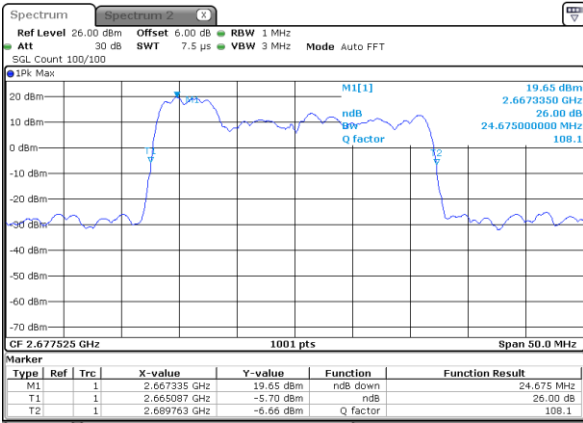
Date: 4 MAR 2020 13:23:30

Middle Channel / 10MHz+15MHz



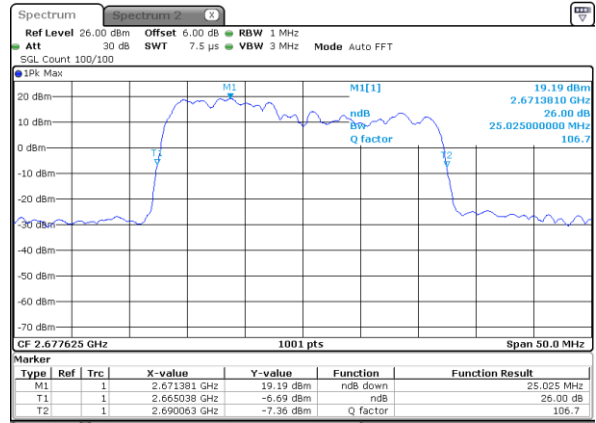
Date: 4 MAR 2020 14:49:21

Highest Channel / 5MHz+20MHz



Date: 4 MAR 2020 13:24:35

Highest Channel / 10MHz+15MHz



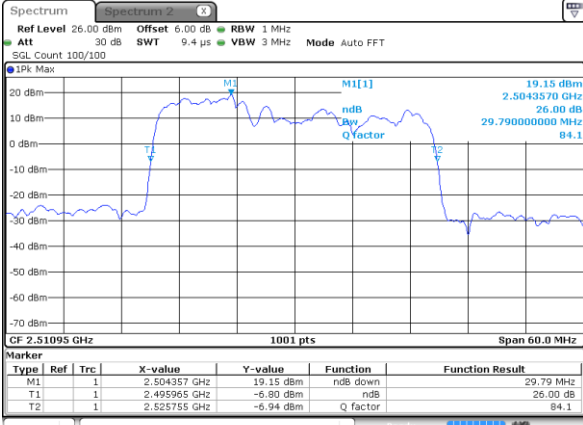
Date: 4 MAR 2020 14:58:44



LTE Band 41C

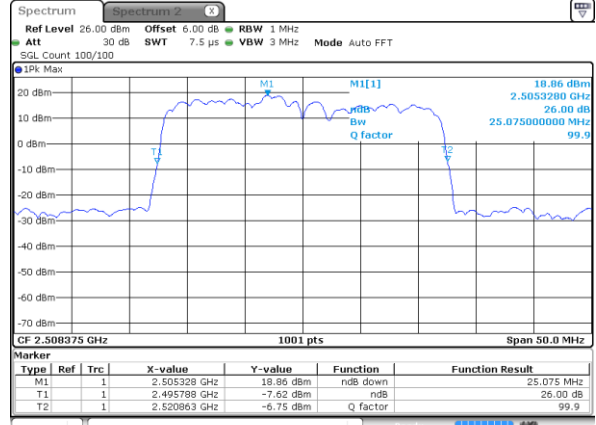
QPSK

Lowest Channel / 10MHz+20MHz



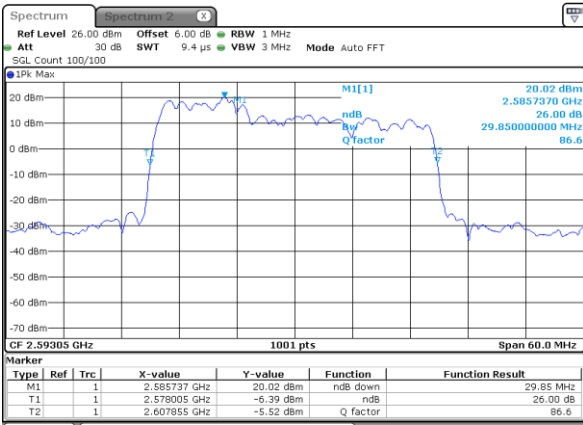
Date: 4 MAR 2020 15:00:09

Lowest Channel / 15MHz+10MHz



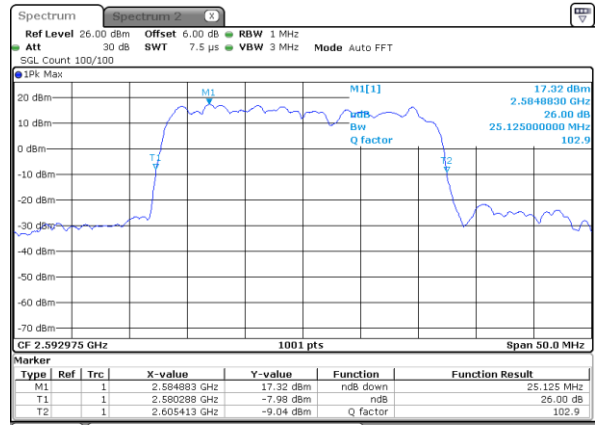
Date: 4 MAR 2020 14:50:49

Middle Channel / 10MHz+20MHz



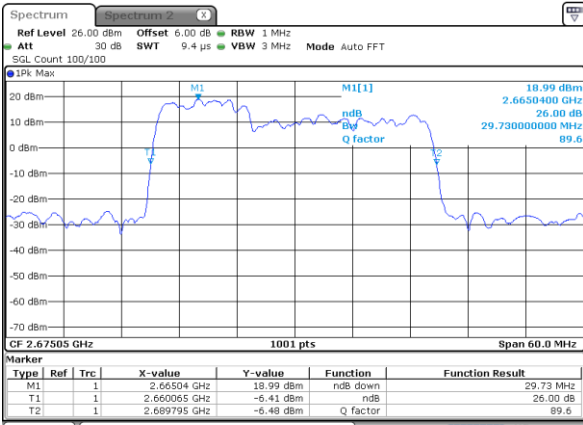
Date: 4 MAR 2020 15:03:00

Middle Channel / 15MHz+10MHz



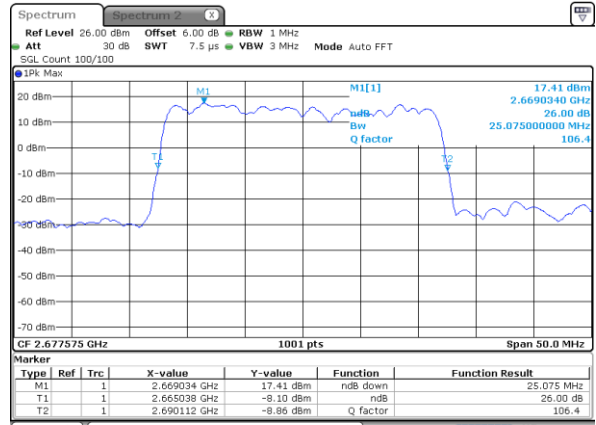
Date: 4 MAR 2020 14:53:57

Highest Channel / 10MHz+20MHz



Date: 4 MAR 2020 15:04:06

Highest Channel / 15MHz+10MHz



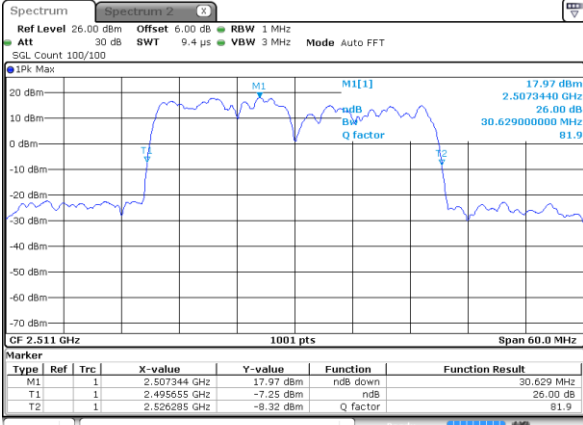
Date: 4 MAR 2020 14:54:48



LTE Band 41C

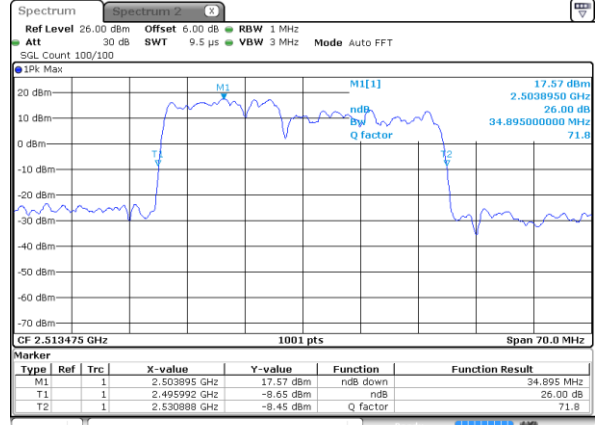
QPSK

Lowest Channel / 15MHz+15MHz



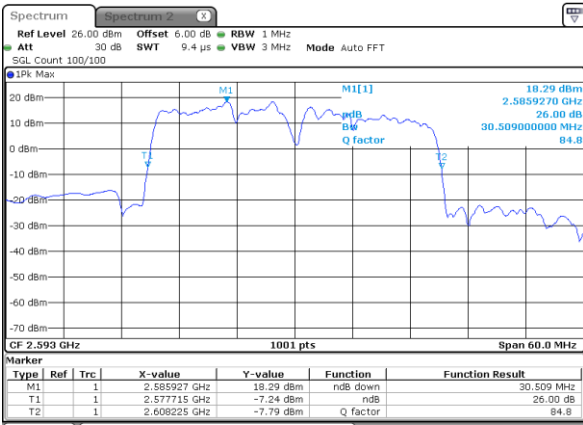
Date: 4 MAR 2020 15:13:04

Lowest Channel / 15MHz+20MHz



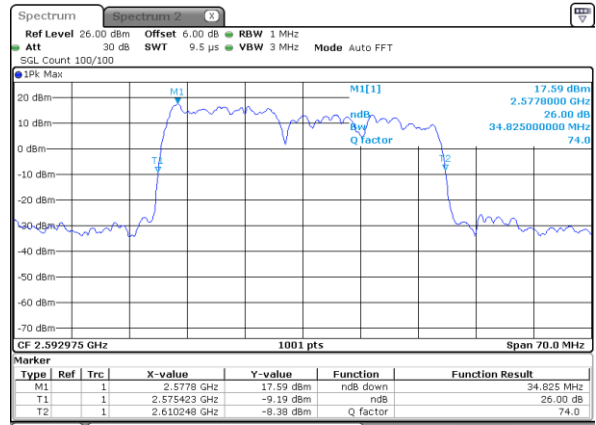
Date: 4 MAR 2020 15:19:36

Middle Channel / 15MHz+15MHz



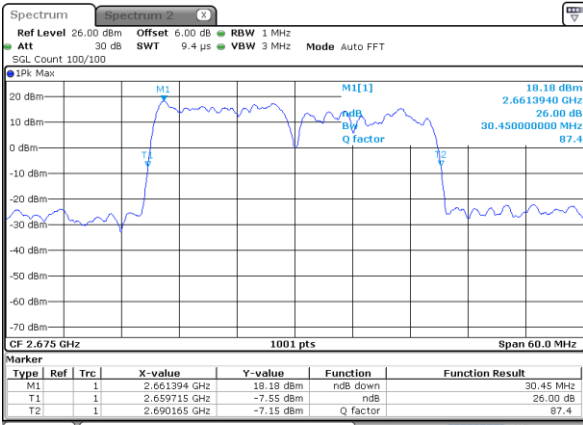
Date: 4 MAR 2020 15:15:35

Middle Channel / 15MHz+20MHz



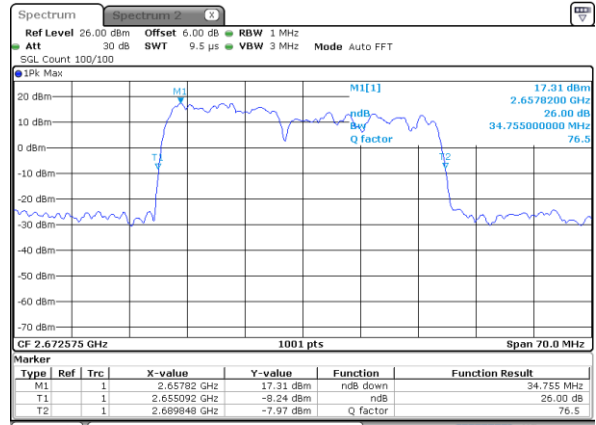
Date: 4 MAR 2020 15:20:40

Highest Channel / 15MHz+15MHz



Date: 4 MAR 2020 15:16:23

Highest Channel / 15MHz+20MHz



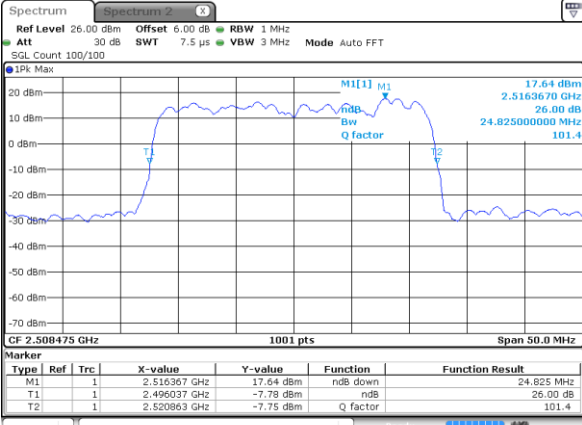
Date: 4 MAR 2020 15:24:41



LTE Band 41C

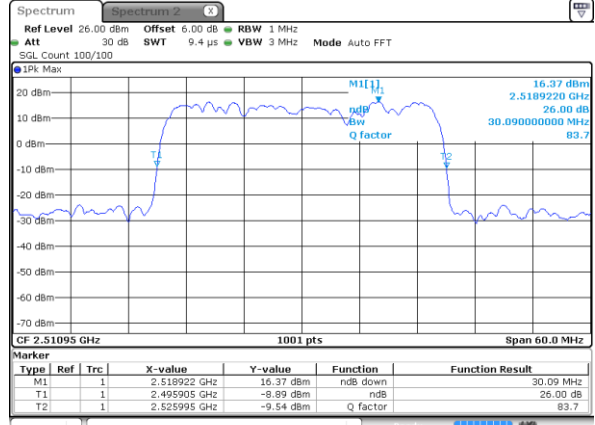
QPSK

Lowest Channel / 20MHz+5MHz



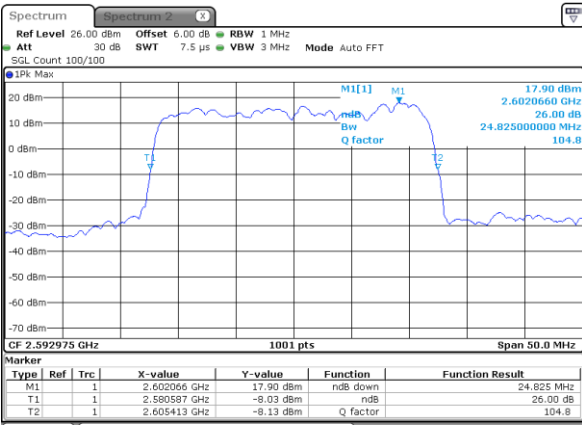
Date: 4 MAR 2020 13:29:08

Lowest Channel / 20MHz+10MHz



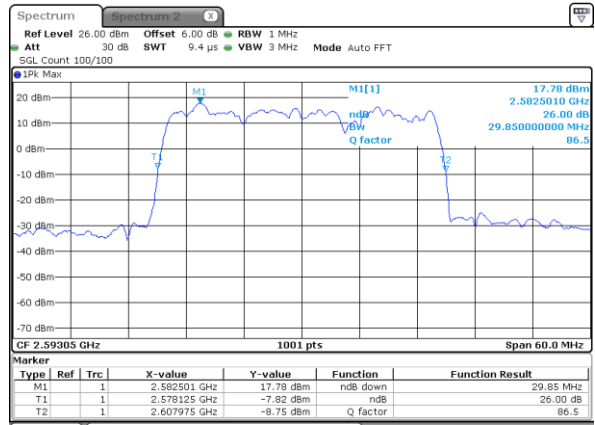
Date: 4 MAR 2020 15:07:50

Middle Channel / 20MHz+5MHz



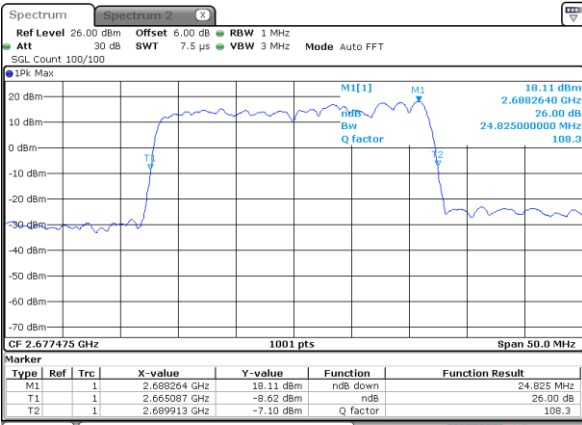
Date: 4 MAR 2020 13:29:59

Middle Channel / 20MHz+10MHz



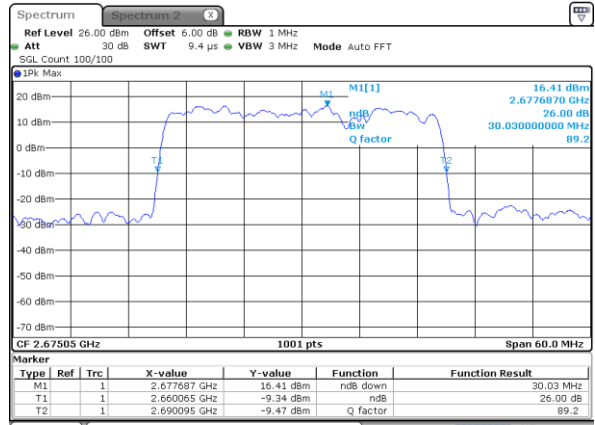
Date: 4 MAR 2020 15:08:41

Highest Channel / 20MHz+5MHz



Date: 4 MAR 2020 14:42:23

Highest Channel / 20MHz+10MHz



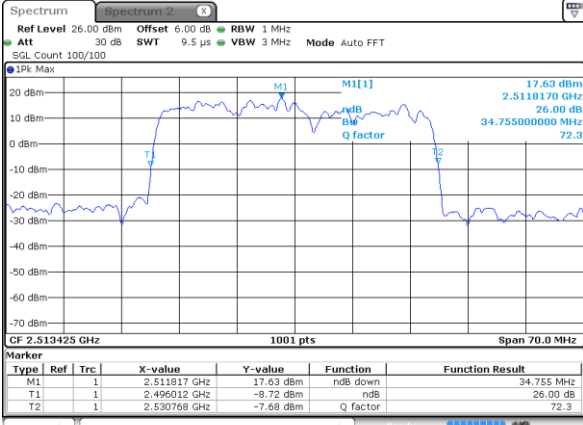
Date: 4 MAR 2020 15:11:33



LTE Band 41C

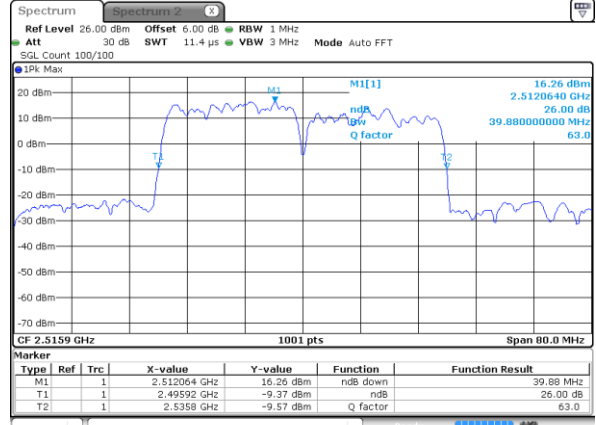
QPSK

Lowest Channel / 20MHz+15MHz



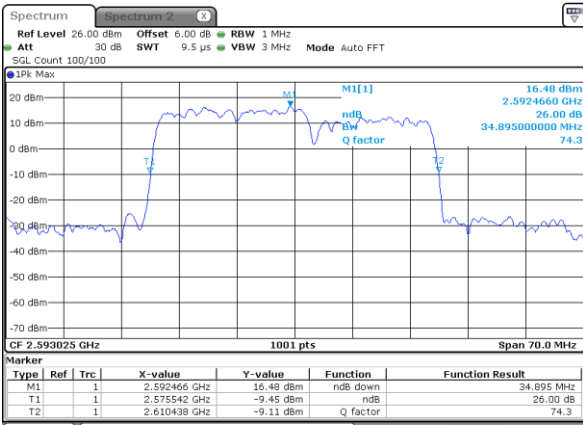
Date: 4 MAR 2020 15:26:12

Lowest Channel / 20MHz+20MHz



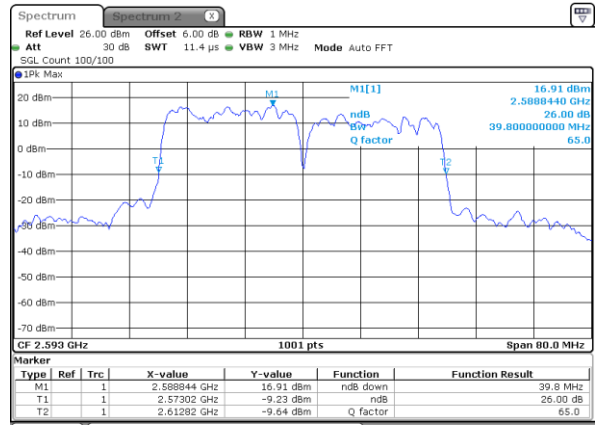
Date: 4 MAR 2020 15:34:17

Middle Channel / 20MHz+15MHz



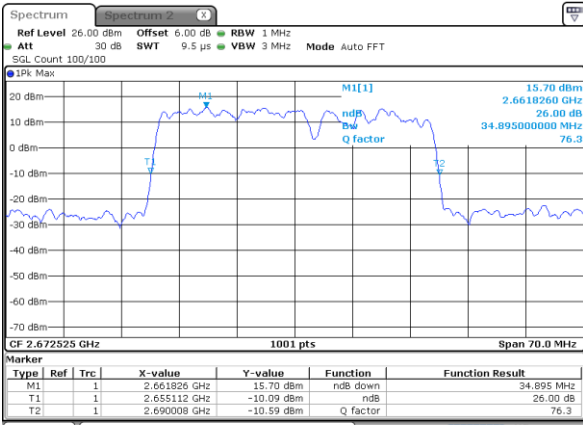
Date: 4 MAR 2020 15:29:39

Middle Channel / 20MHz+20MHz



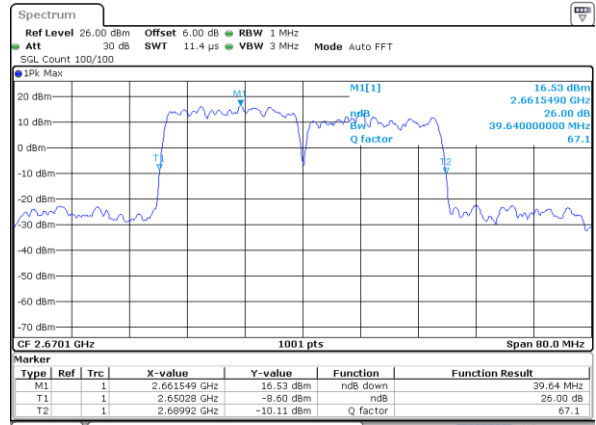
Date: 4 MAR 2020 15:35:03

Highest Channel / 20MHz+15MHz



Date: 4 MAR 2020 15:30:27

Highest Channel / 20MHz+20MHz



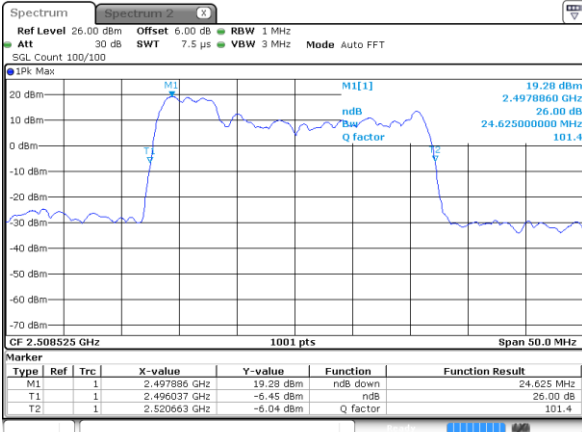
Date: 4 MAR 2020 17:04:38



LTE Band 41C

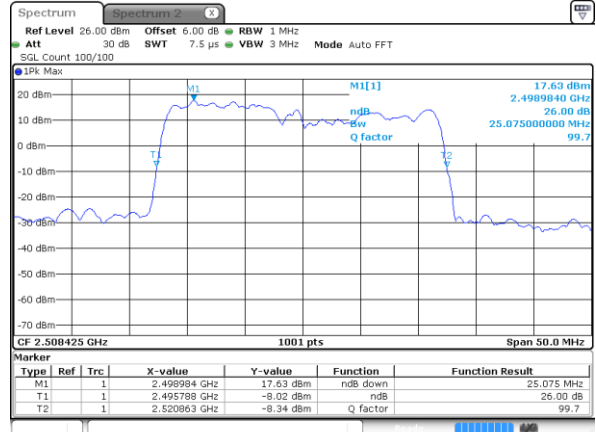
16QAM

Lowest Channel / 5MHz+20MHz



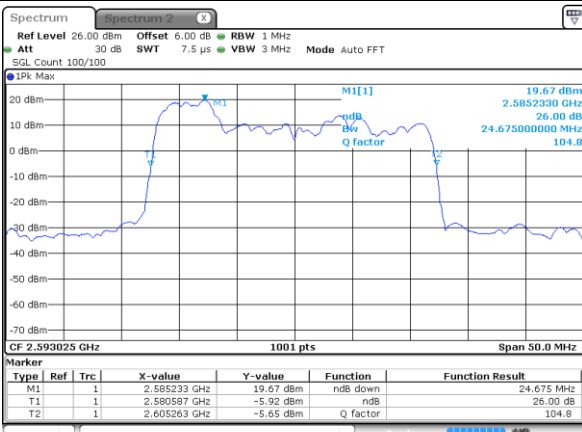
Date: 4 MAR 2020 13:20:47

Lowest Channel / 10MHz+15MHz



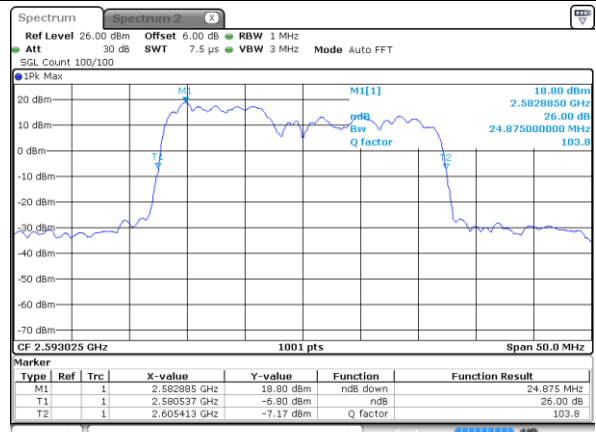
Date: 4 MAR 2020 14:46:39

Middle Channel / 5MHz+20MHz



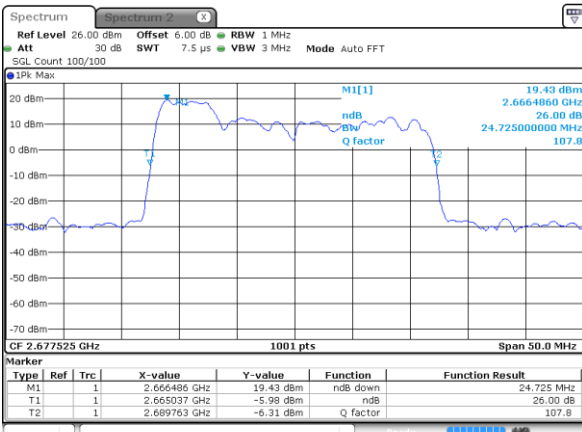
Date: 4 MAR 2020 13:22:51

Middle Channel / 10MHz+15MHz



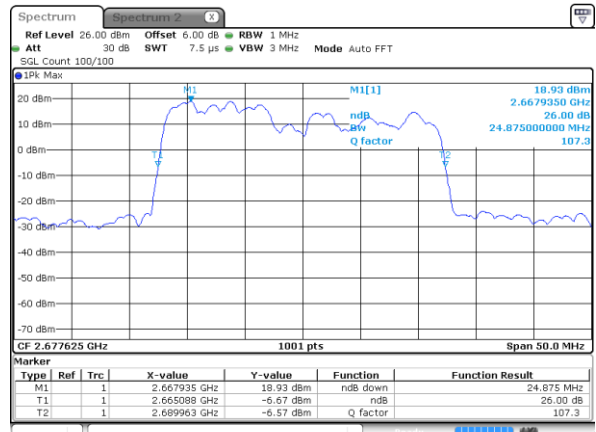
Date: 4 MAR 2020 14:48:50

Highest Channel / 5MHz+20MHz



Date: 4 MAR 2020 13:25:02

Highest Channel / 10MHz+15MHz



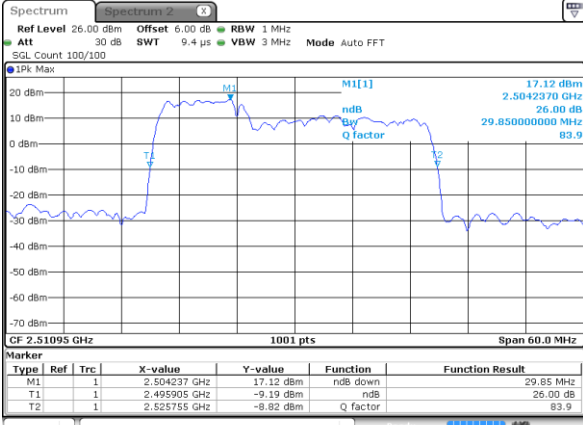
Date: 4 MAR 2020 14:58:17



LTE Band 41C

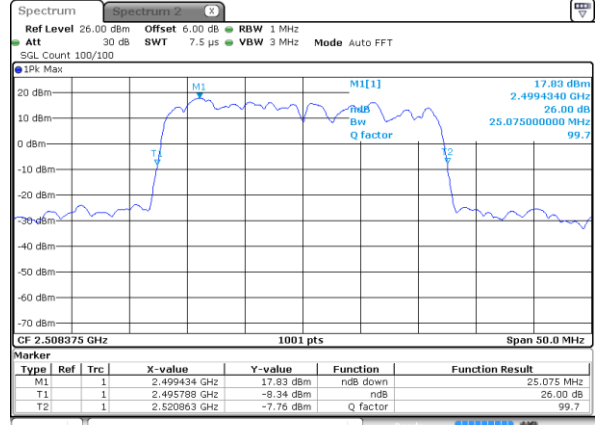
16QAM

Lowest Channel / 10MHz+20MHz



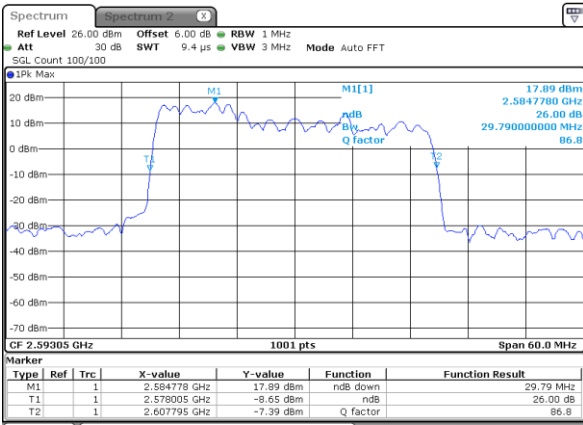
Date: 4 MAR 2020 15:00:38

Lowest Channel / 15MHz+10MHz



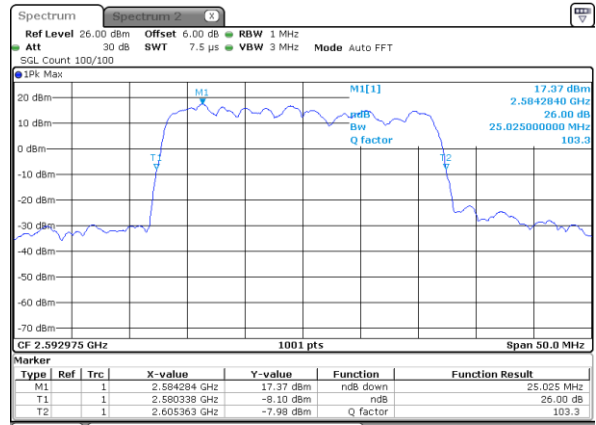
Date: 4 MAR 2020 14:51:15

Middle Channel / 10MHz+20MHz



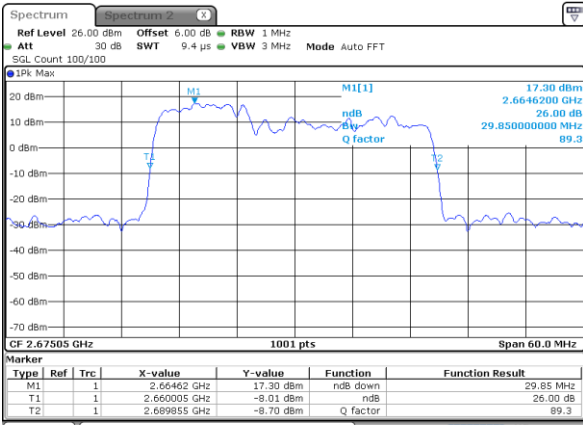
Date: 4 MAR 2020 15:02:32

Middle Channel / 15MHz+10MHz



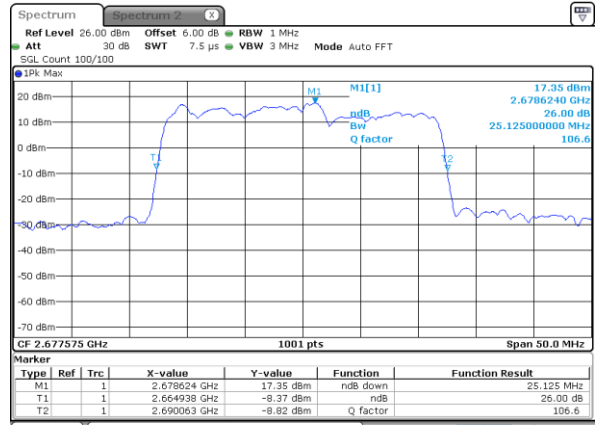
Date: 4 MAR 2020 14:53:31

Highest Channel / 10MHz+20MHz



Date: 4 MAR 2020 15:04:36

Highest Channel / 15MHz+10MHz



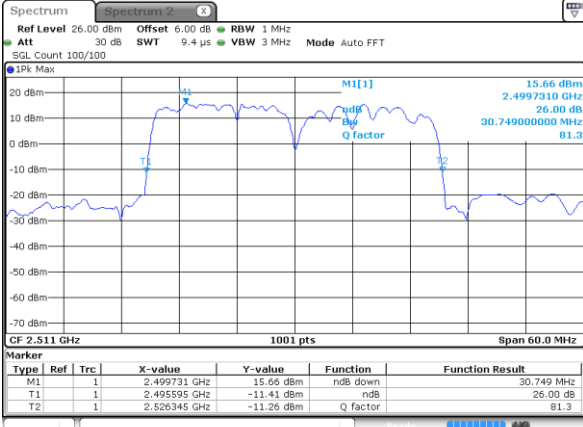
Date: 4 MAR 2020 14:55:15



LTE Band 41C

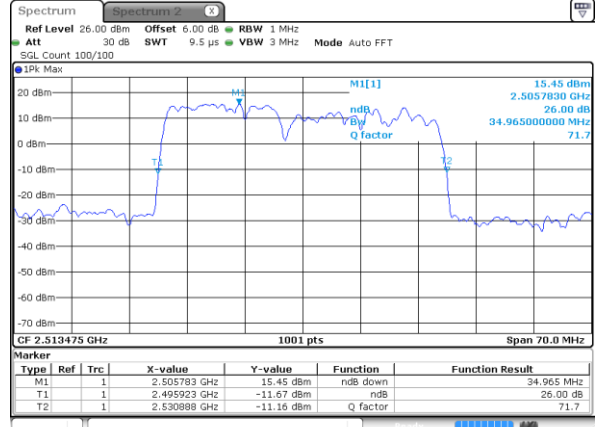
16QAM

Lowest Channel / 15MHz+15MHz



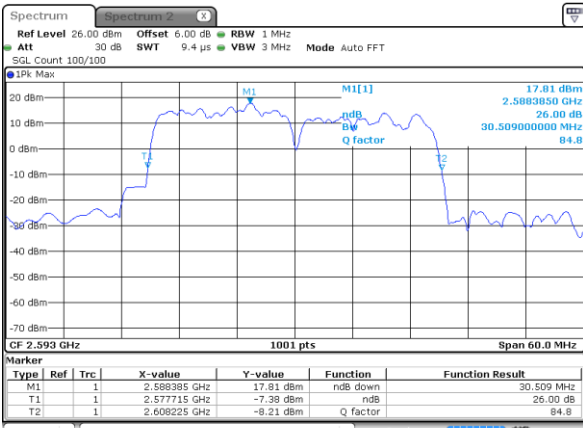
Date: 4 MAR 2020 15:13:11

Lowest Channel / 15MHz+20MHz



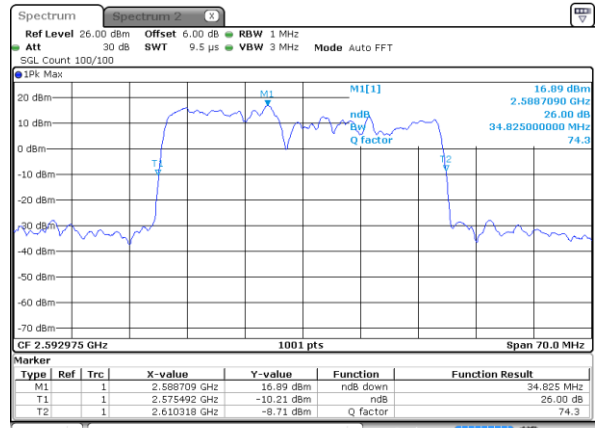
Date: 4 MAR 2020 15:19:10

Middle Channel / 15MHz+15MHz



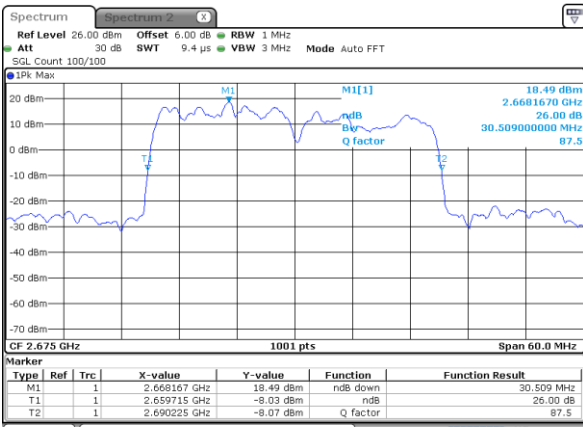
Date: 4 MAR 2020 15:15:11

Middle Channel / 15MHz+20MHz



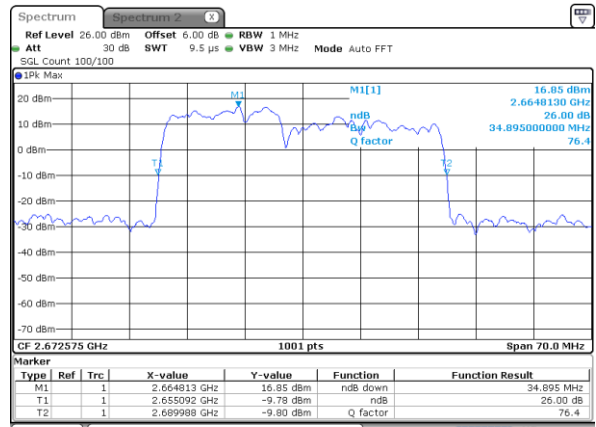
Date: 4 MAR 2020 15:21:16

Highest Channel / 15MHz+15MHz



Date: 4 MAR 2020 15:16:48

Highest Channel / 15MHz+20MHz



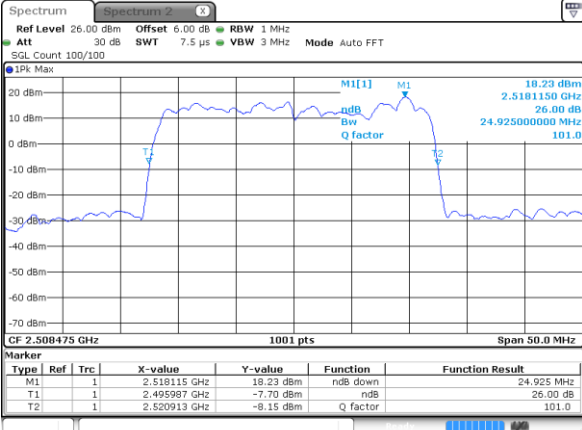
Date: 4 MAR 2020 15:24:14



LTE Band 41C

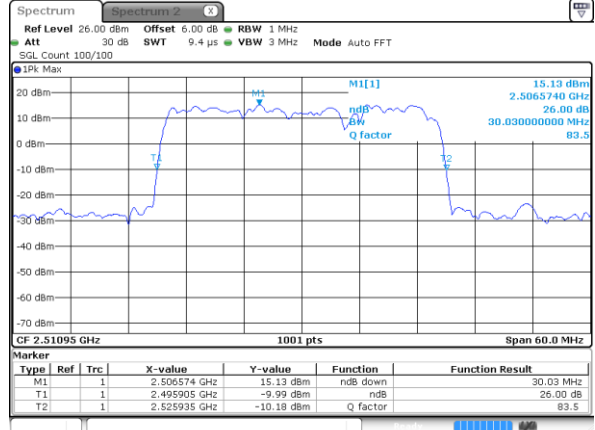
16QAM

Lowest Channel / 20MHz+5MHz



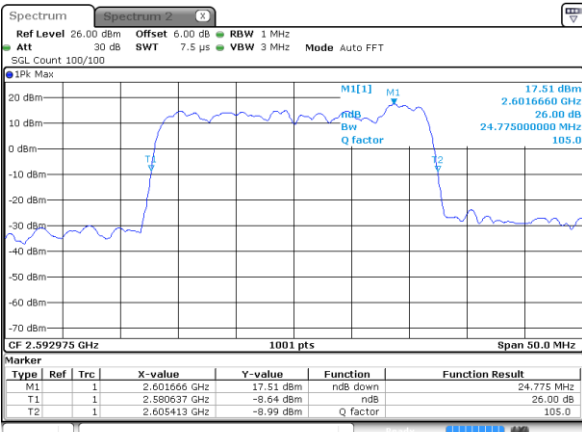
Date: 4 MAR 2020 13:28:32

Lowest Channel / 20MHz+10MHz



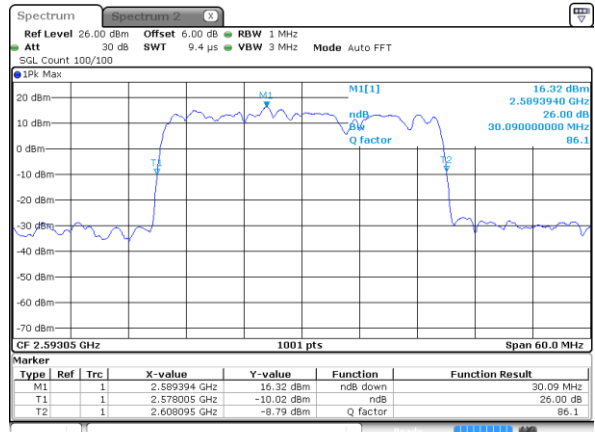
Date: 4 MAR 2020 15:07:22

Middle Channel / 20MHz+5MHz



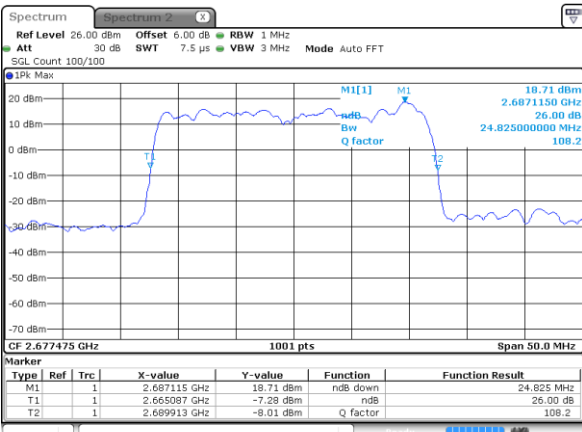
Date: 4 MAR 2020 14:15:50

Middle Channel / 20MHz+10MHz



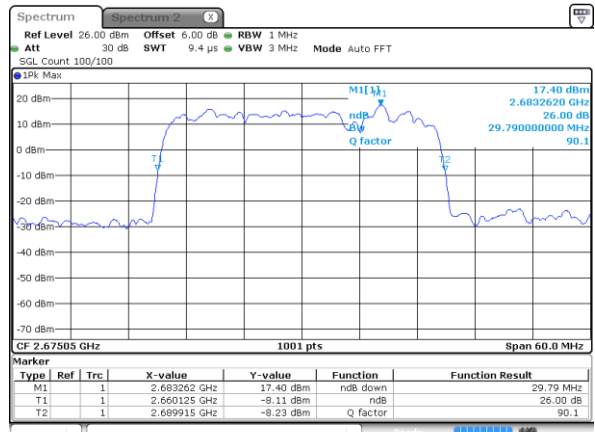
Date: 4 MAR 2020 15:09:08

Highest Channel / 20MHz+5MHz



Date: 4 MAR 2020 14:41:55

Highest Channel / 20MHz+10MHz



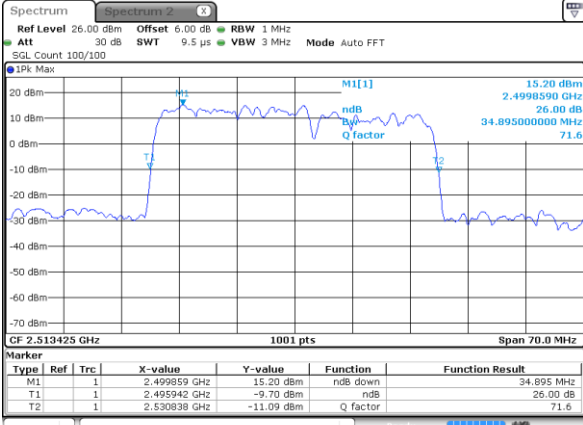
Date: 4 MAR 2020 15:10:48



LTE Band 41C

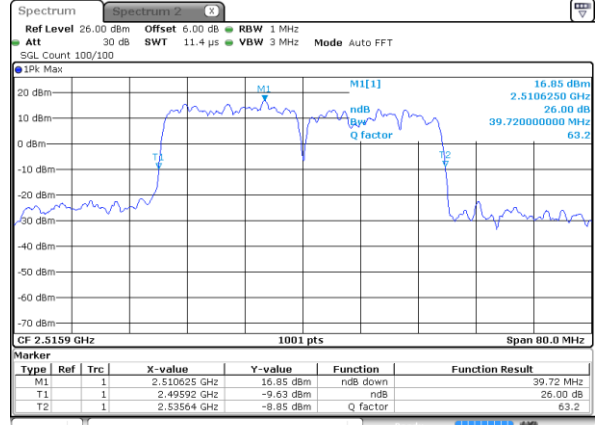
16QAM

Lowest Channel / 20MHz+15MHz



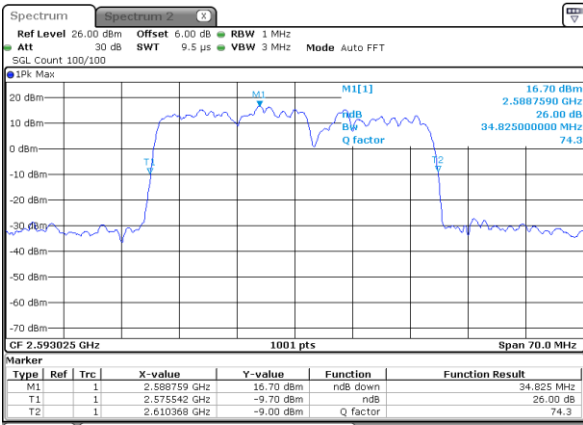
Date: 4 MAR 2020 15:27:14

Lowest Channel / 20MHz+20MHz



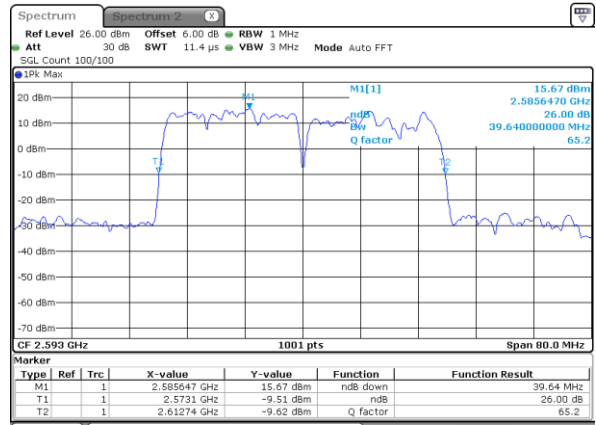
Date: 4 MAR 2020 15:33:42

Middle Channel / 20MHz+15MHz



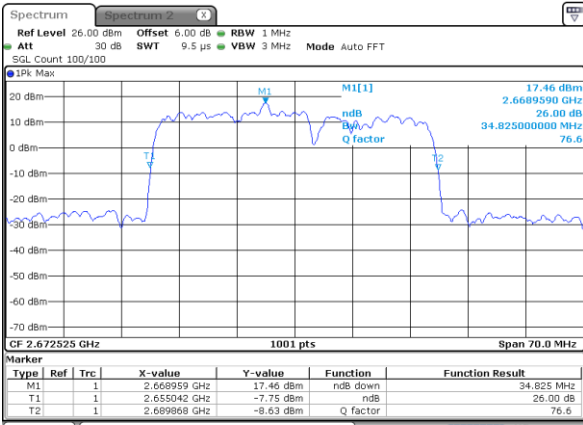
Date: 4 MAR 2020 15:29:12

Middle Channel / 20MHz+20MHz



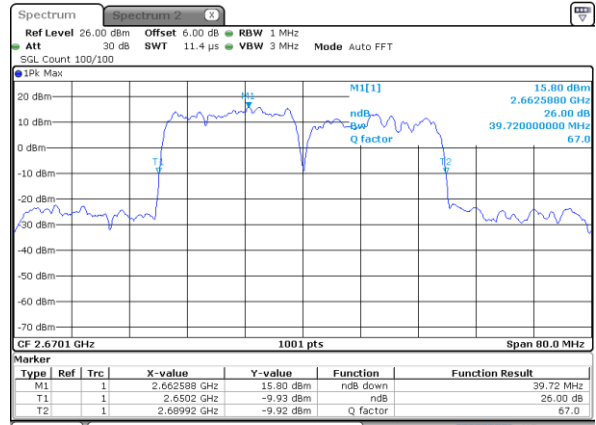
Date: 4 MAR 2020 15:35:28

Highest Channel / 20MHz+15MHz



Date: 4 MAR 2020 15:30:54

Highest Channel / 20MHz+20MHz



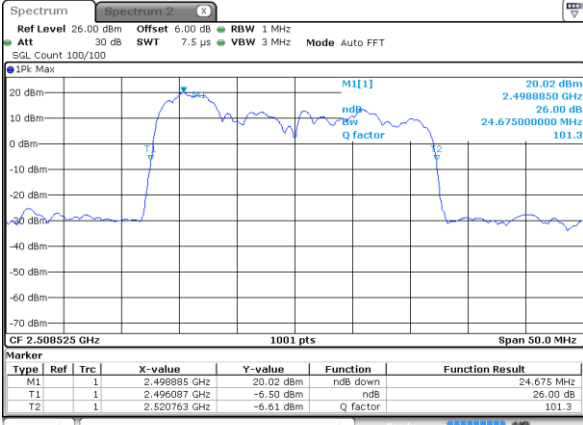
Date: 4 MAR 2020 15:37:34



LTE Band 41C

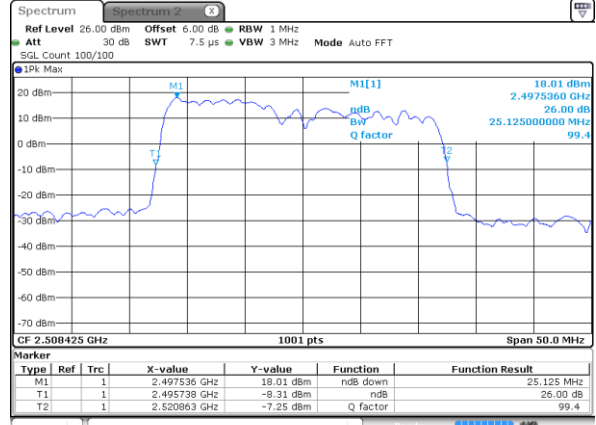
64QAM

Lowest Channel / 5MHz+20MHz



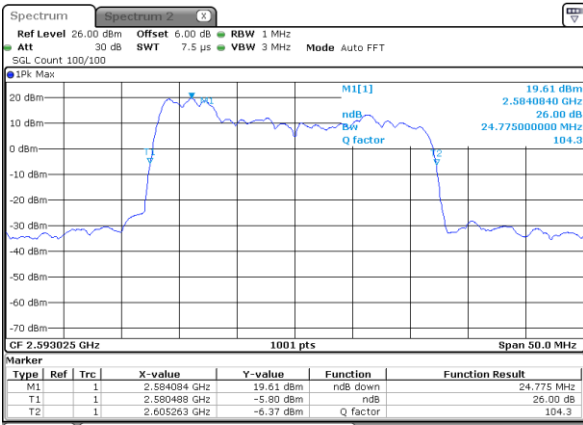
Date: 4 MAR 2020 13:21:14

Lowest Channel / 10MHz+15MHz



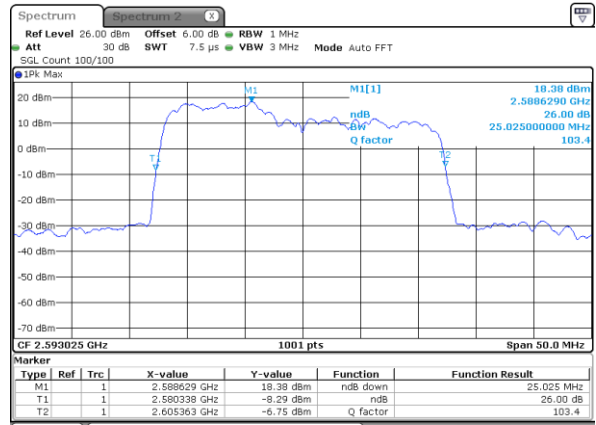
Date: 4 MAR 2020 14:47:08

Middle Channel / 5MHz+20MHz



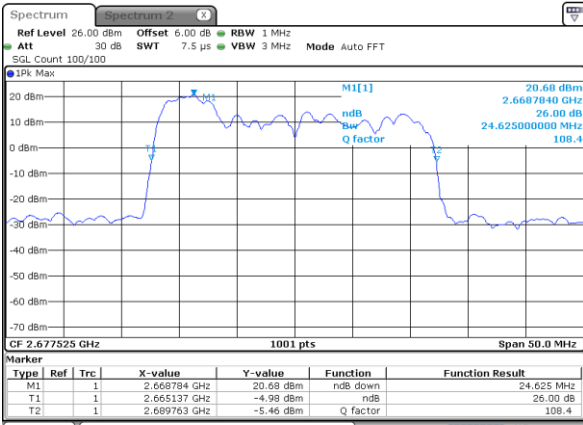
Date: 4 MAR 2020 13:22:11

Middle Channel / 10MHz+15MHz



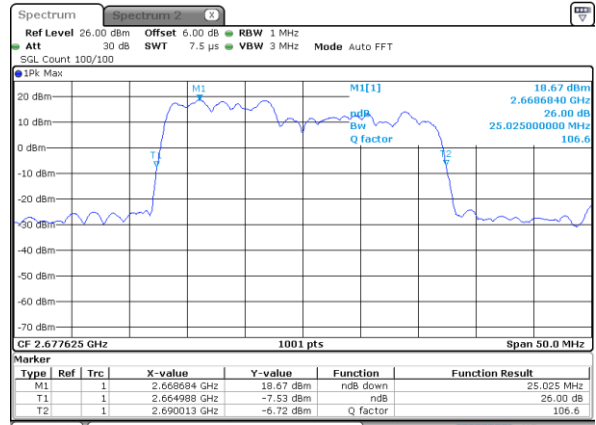
Date: 4 MAR 2020 14:48:19

Highest Channel / 5MHz+20MHz



Date: 4 MAR 2020 13:25:28

Highest Channel / 10MHz+15MHz



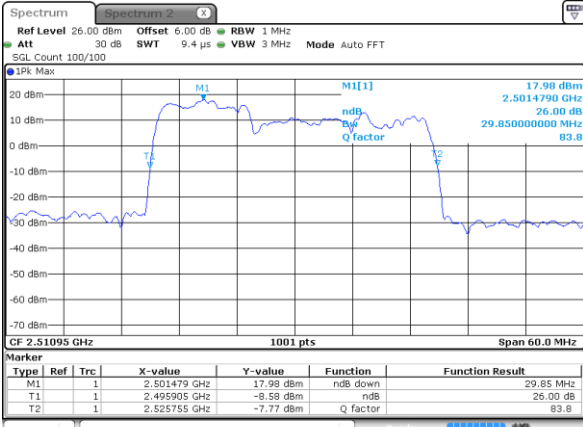
Date: 4 MAR 2020 14:57:52



LTE Band 41C

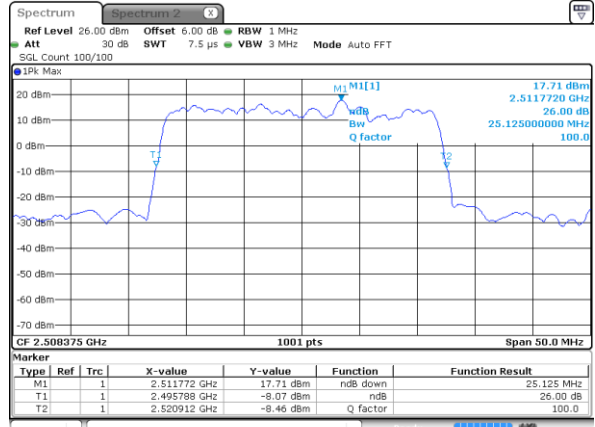
64QAM

Lowest Channel / 10MHz+20MHz



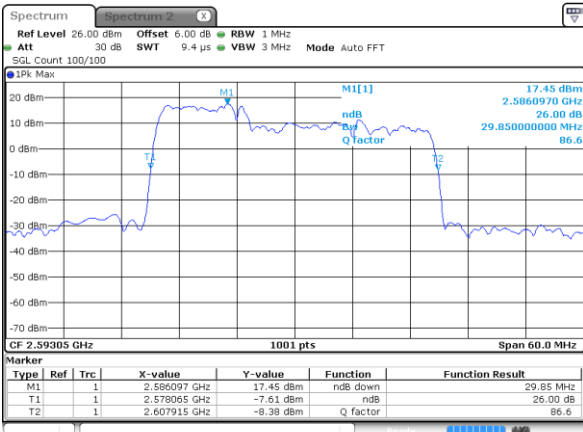
Date: 4 MAR 2020 15:01:06

Lowest Channel / 15MHz+10MHz



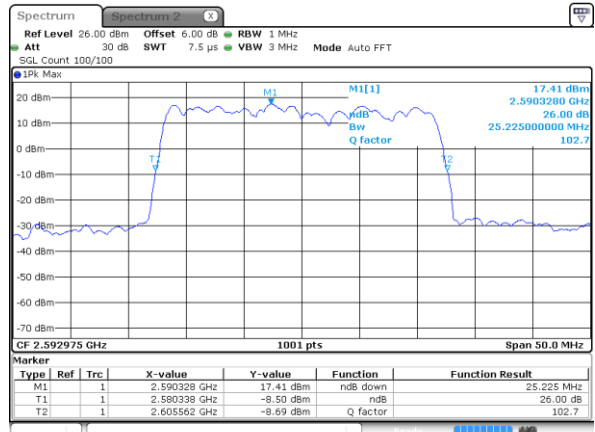
Date: 4 MAR 2020 14:52:16

Middle Channel / 10MHz+20MHz



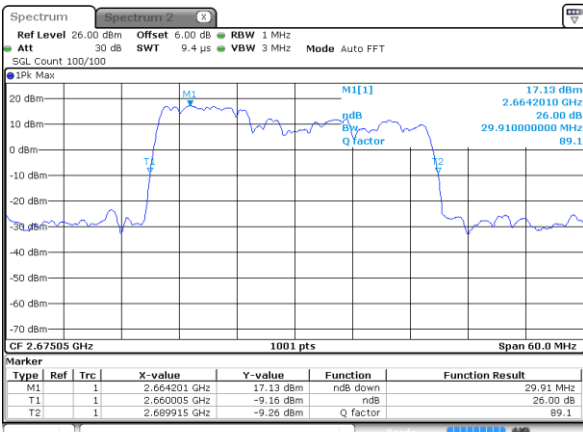
Date: 4 MAR 2020 15:02:03

Middle Channel / 15MHz+10MHz



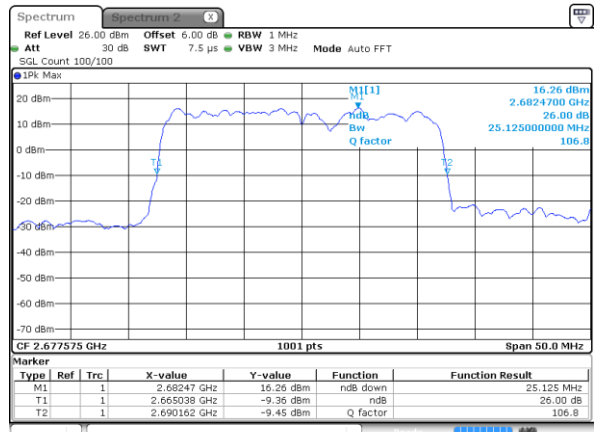
Date: 4 MAR 2020 14:53:05

Highest Channel / 10MHz+20MHz



Date: 4 MAR 2020 15:05:04

Highest Channel / 15MHz+10MHz



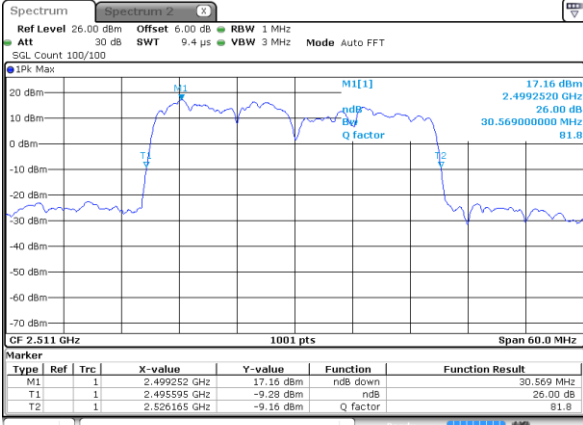
Date: 4 MAR 2020 14:55:48



LTE Band 41C

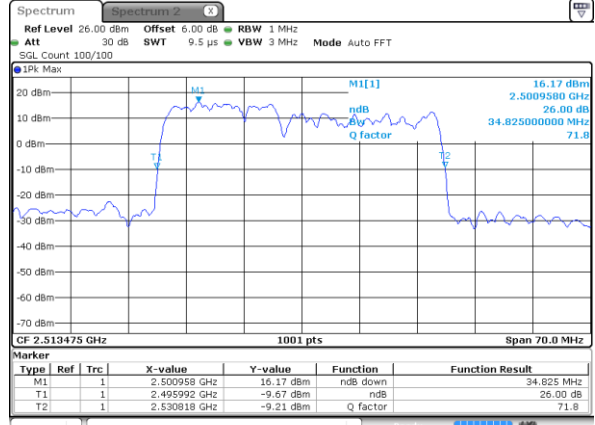
64QAM

Lowest Channel / 15MHz+15MHz



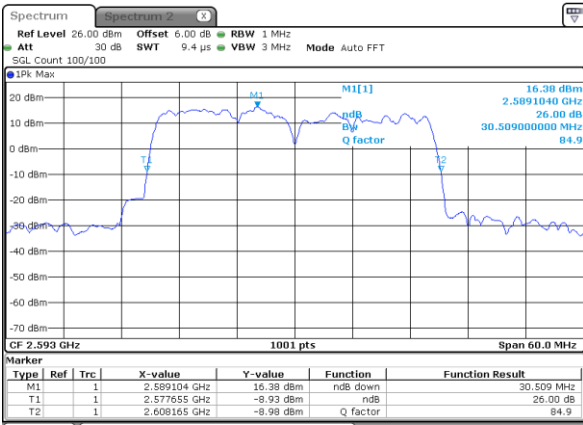
Date: 4 MAR 2020 15:13:55

Lowest Channel / 15MHz+20MHz



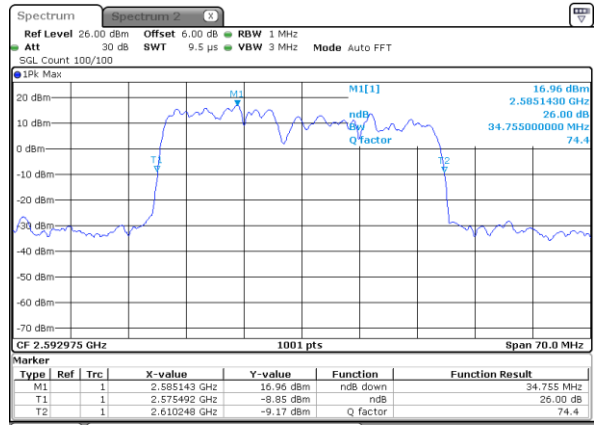
Date: 4 MAR 2020 15:18:46

Middle Channel / 15MHz+15MHz



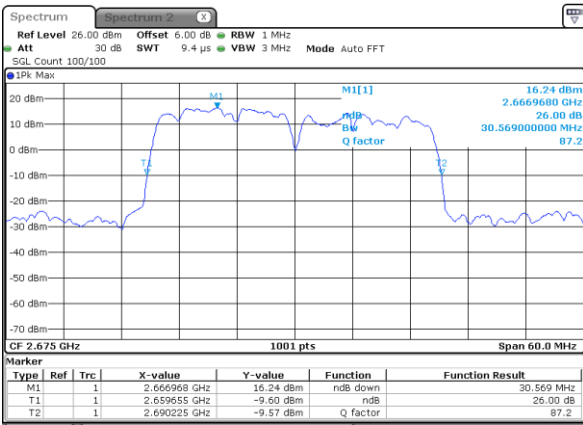
Date: 4 MAR 2020 15:14:45

Middle Channel / 15MHz+20MHz



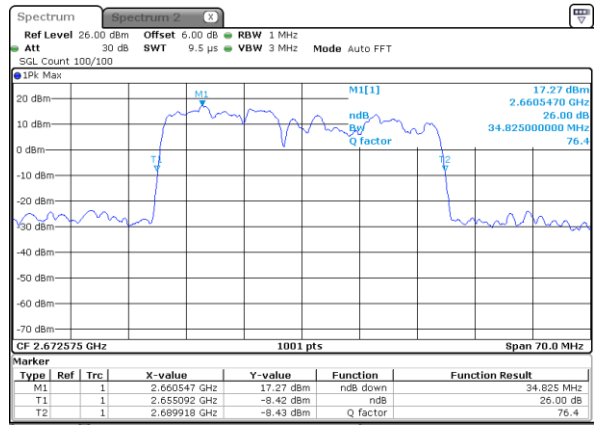
Date: 4 MAR 2020 15:22:06

Highest Channel / 15MHz+15MHz



Date: 4 MAR 2020 15:17:21

Highest Channel / 15MHz+20MHz



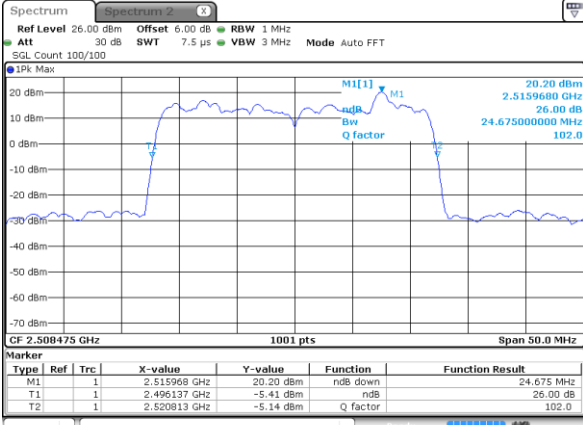
Date: 4 MAR 2020 15:23:37



LTE Band 41C

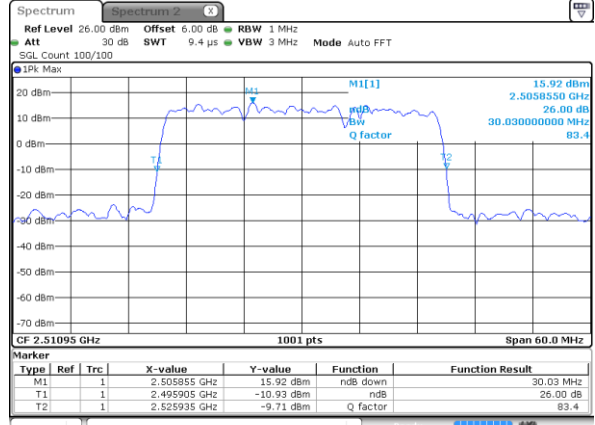
64QAM

Lowest Channel / 20MHz+5MHz



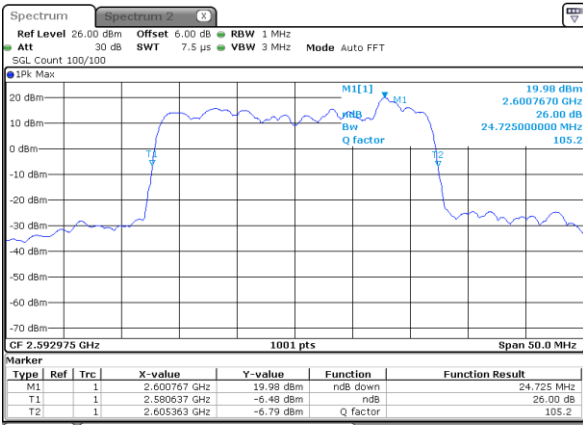
Date: 4 MAR 2020 13:28:04

Lowest Channel / 20MHz+10MHz



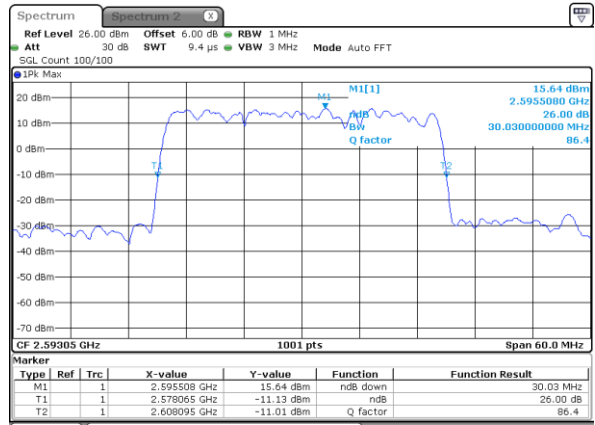
Date: 4 MAR 2020 15:06:44

Middle Channel / 20MHz+5MHz



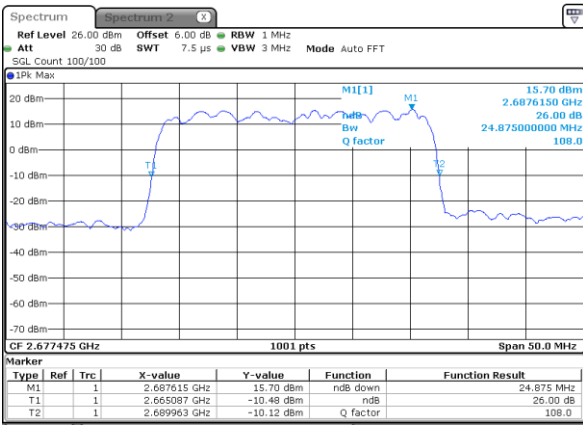
Date: 4 MAR 2020 14:16:24

Middle Channel / 20MHz+10MHz



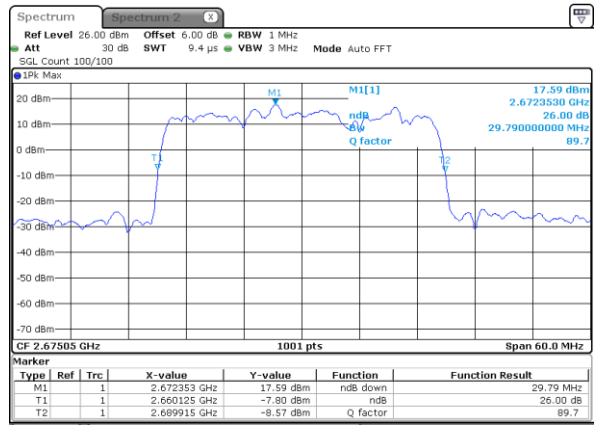
Date: 4 MAR 2020 15:09:34

Highest Channel / 20MHz+5MHz



Date: 4 MAR 2020 14:41:15

Highest Channel / 20MHz+10MHz



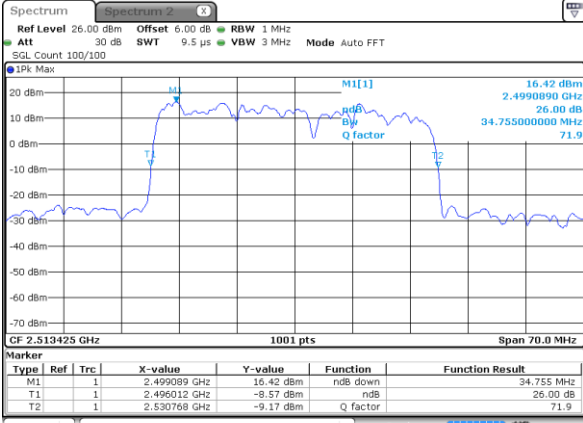
Date: 4 MAR 2020 15:10:22



LTE Band 41C

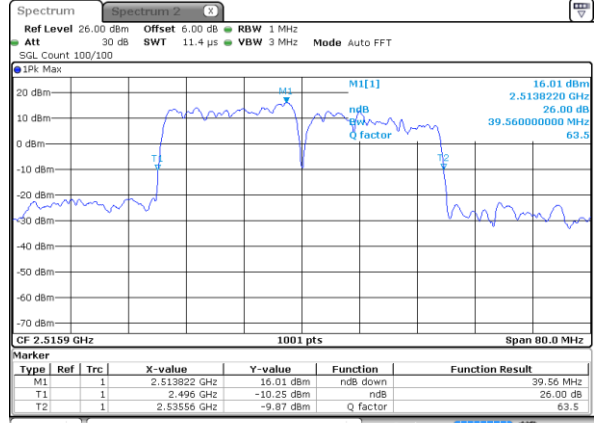
64QAM

Lowest Channel / 20MHz+15MHz



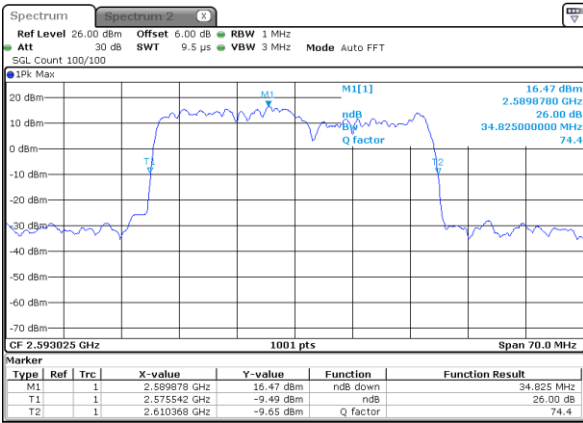
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Lowest Channel / 20MHz+20MHz



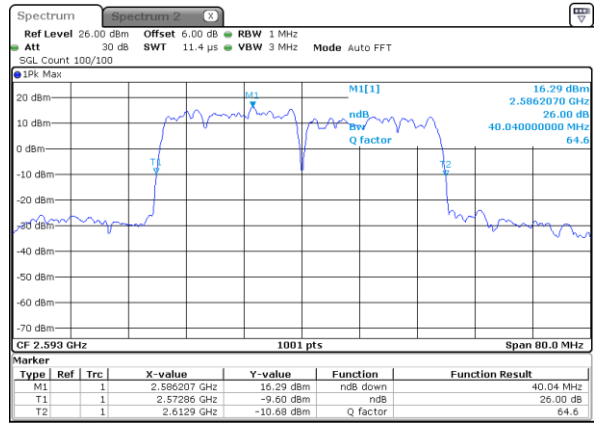
Date: 4 MAR 2020 15:33:16

Middle Channel / 20MHz+15MHz



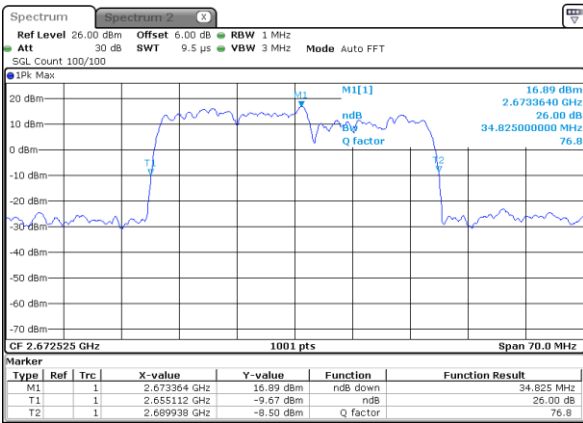
Date: 4 MAR 2020 15:28:45

Middle Channel / 20MHz+20MHz



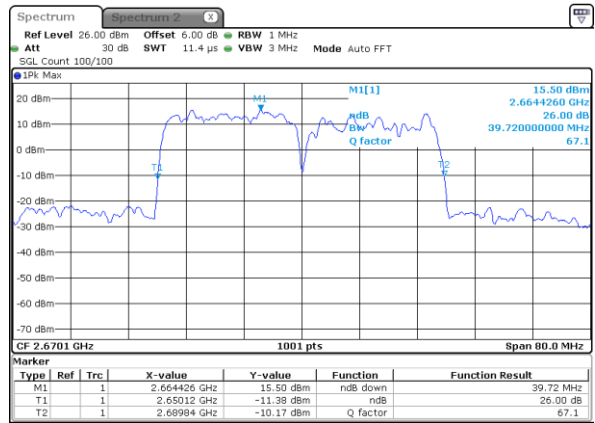
Date: 4 MAR 2020 15:35:55

Highest Channel / 20MHz+15MHz



Date: 4 MAR 2020 15:31:19

Highest Channel / 20MHz+20MHz



Date: 4 MAR 2020 15:36:57



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.08	23.43	27.99	23.23	28.53
Middle CH	22.98	22.98	27.81	23.18	28.53
Highest CH	23.28	23.18	28.05	23.58	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.33	27.93	32.52	37.64
Middle CH	32.73	23.23	27.99	32.73	37.80
Highest CH	32.94	23.13	28.17	32.66	37.56

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.13	23.38	27.81	23.53	28.23
Middle CH	23.03	23.28	27.81	23.23	28.35
Highest CH	23.18	23.23	27.93	23.28	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	23.28	27.99	32.66	37.56
Middle CH	32.87	23.28	27.81	32.73	37.56
Highest CH	32.66	23.28	28.05	32.94	37.72

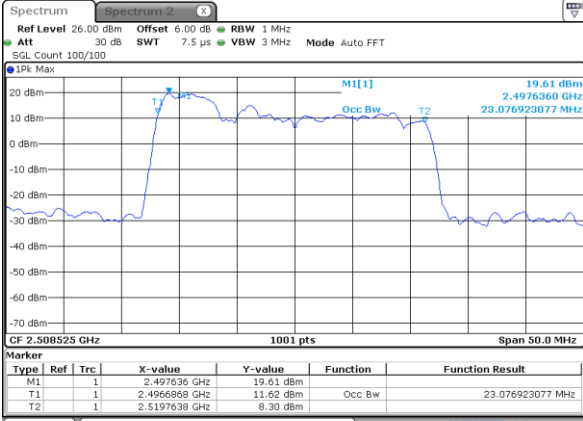
Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	22.93	23.38	28.05	23.43	28.29
Middle CH	23.18	23.58	27.63	23.33	28.53
Highest CH	23.28	23.23	28.17	23.43	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.28	28.05	32.66	37.64
Middle CH	32.80	23.13	27.99	32.59	37.64
Highest CH	33.01	23.03	28.05	32.87	37.40



LTE Band 41C

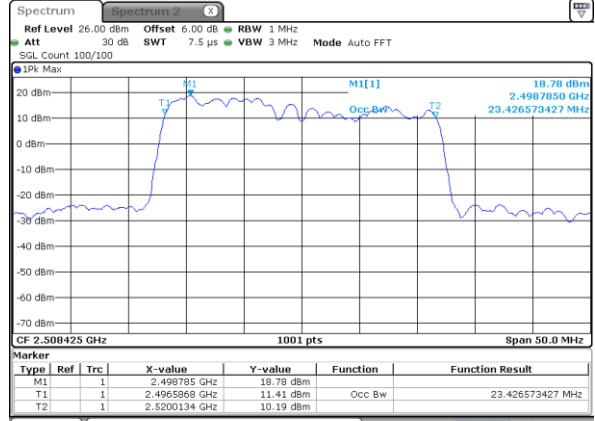
QPSK

Lowest Channel / 5MHz+20MHz



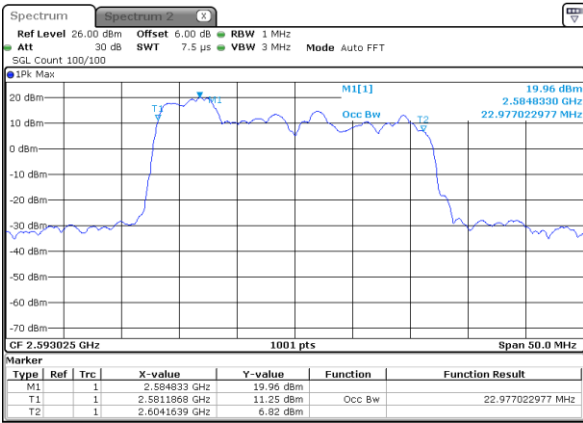
Date: 4 MAR 2020 13:20:15

Lowest Channel / 10MHz+15MHz



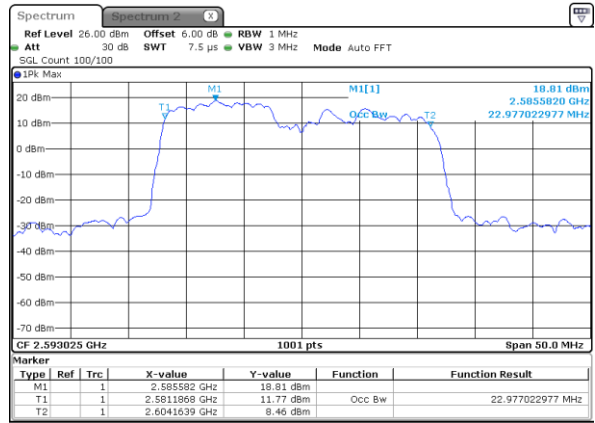
Date: 4 MAR 2020 14:46:05

Middle Channel / 5MHz+20MHz



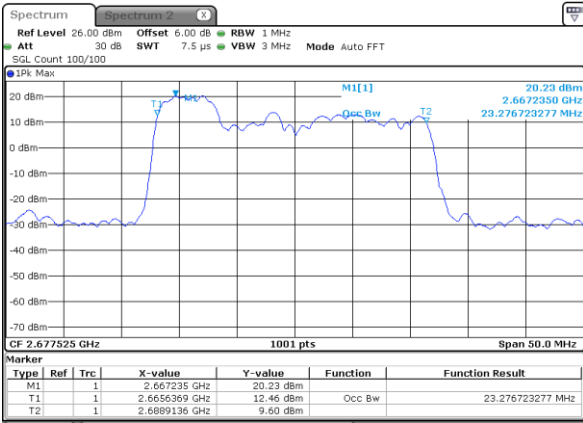
Date: 4 MAR 2020 13:23:23

Middle Channel / 10MHz+15MHz



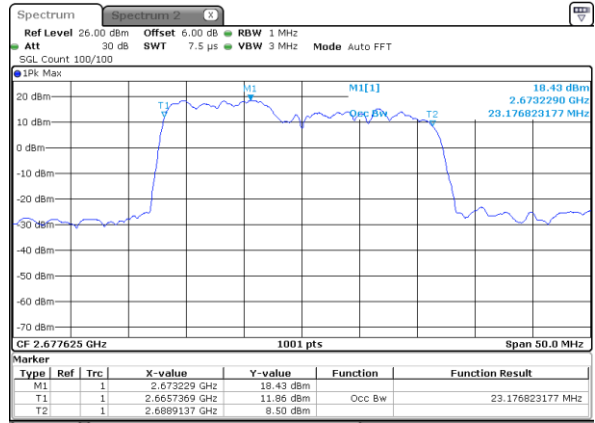
Date: 4 MAR 2020 14:49:12

Highest Channel / 5MHz+20MHz



Date: 4 MAR 2020 13:24:28

Highest Channel / 10MHz+15MHz



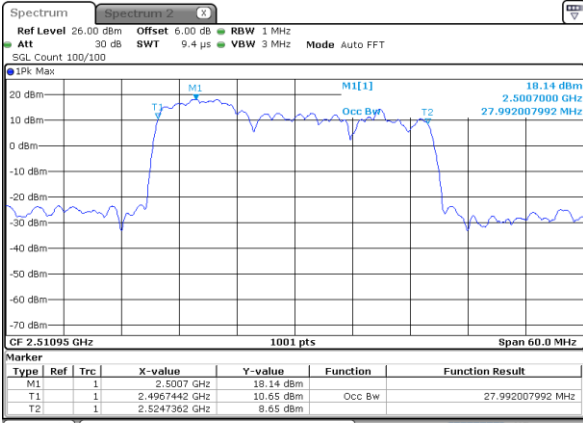
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LTE Band 41C

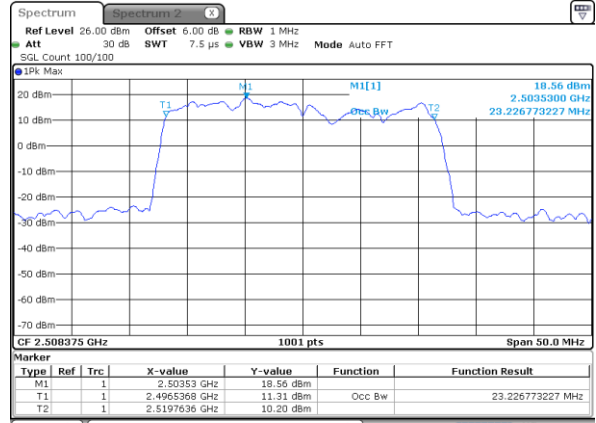
QPSK

Lowest Channel / 10MHz+20MHz



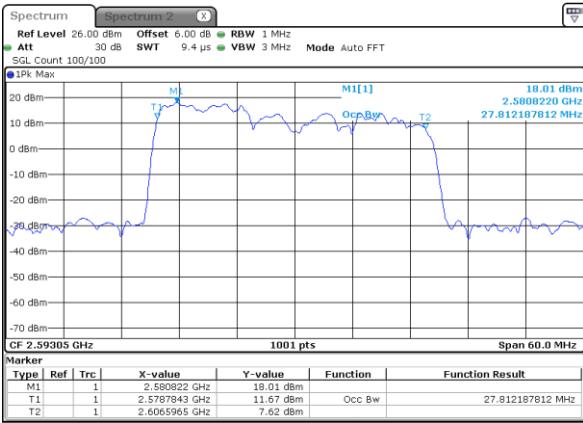
Date: 4 MAR 2020 14:59:59

Lowest Channel / 15MHz+10MHz



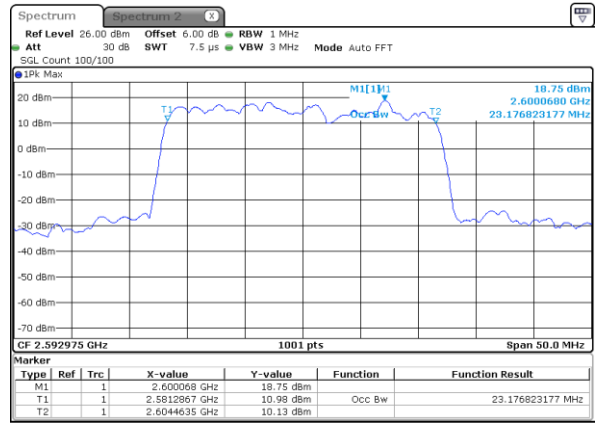
Date: 4 MAR 2020 14:50:42

Middle Channel / 10MHz+20MHz



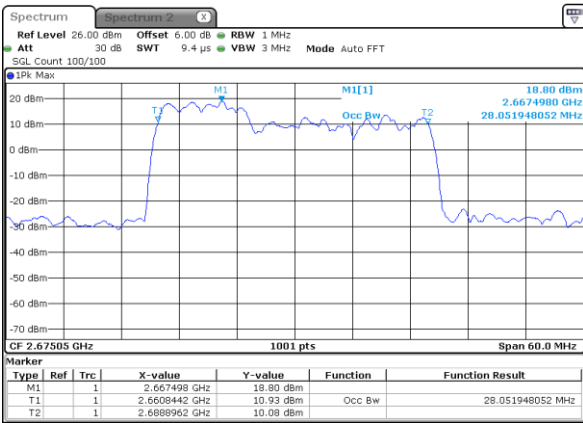
Date: 4 MAR 2020 15:02:52

Middle Channel / 15MHz+10MHz



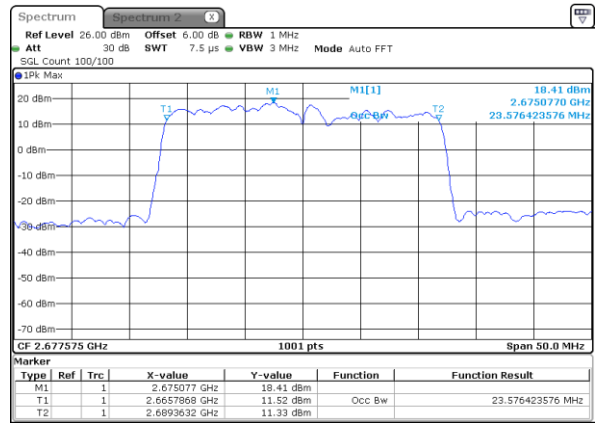
Date: 4 MAR 2020 14:53:50

Highest Channel / 10MHz+20MHz



Date: 4 MAR 2020 15:03:58

Highest Channel / 15MHz+10MHz



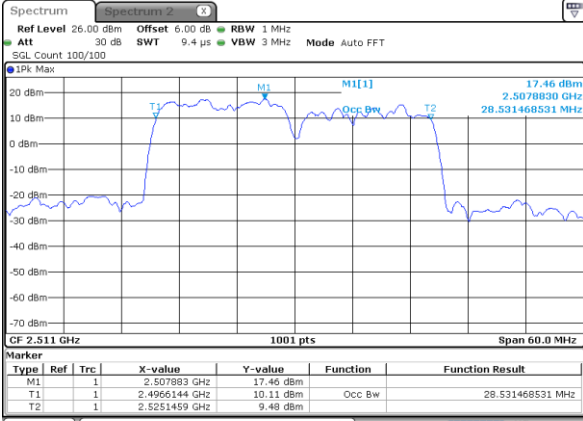
Date: 4 MAR 2020 14:54:41



LTE Band 41C

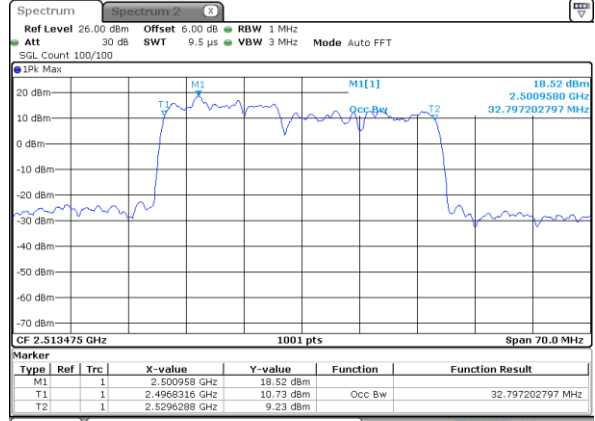
QPSK

Lowest Channel / 15MHz+15MHz



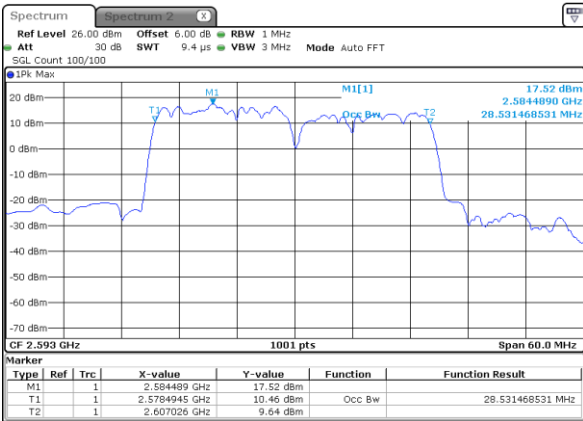
Date: 4 MAR 2020 15:12:57

Lowest Channel / 15MHz+20MHz



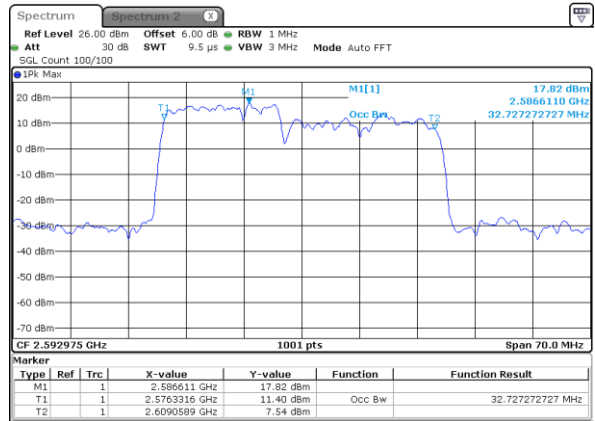
Date: 4 MAR 2020 15:19:29

Middle Channel / 15MHz+15MHz



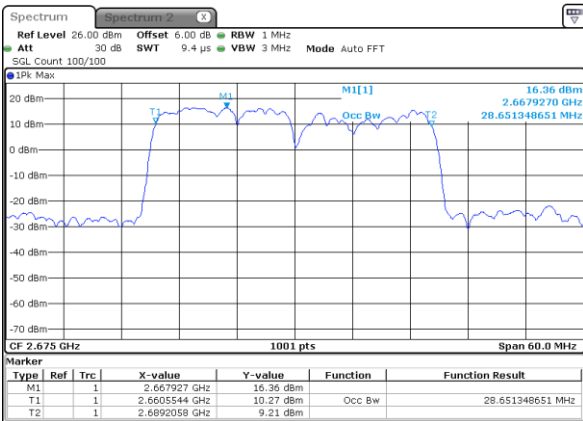
Date: 4 MAR 2020 15:15:28

Middle Channel / 15MHz+20MHz



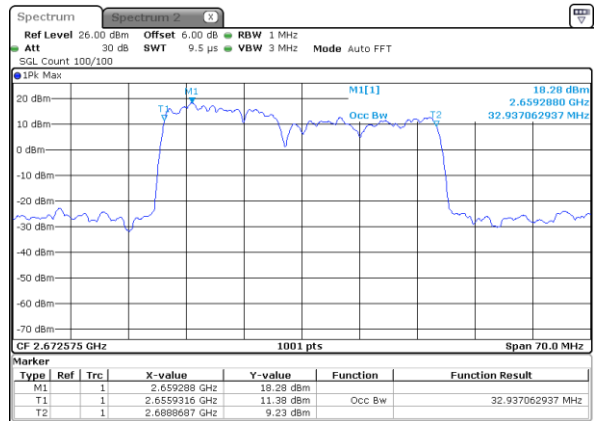
Date: 4 MAR 2020 15:20:25

Highest Channel / 15MHz+15MHz



Date: 4 MAR 2020 15:16:16

Highest Channel / 15MHz+20MHz



Date: 4 MAR 2020 15:24:34