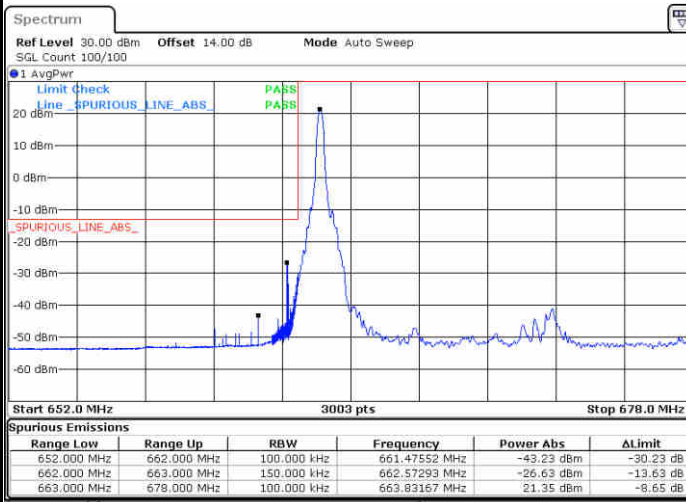




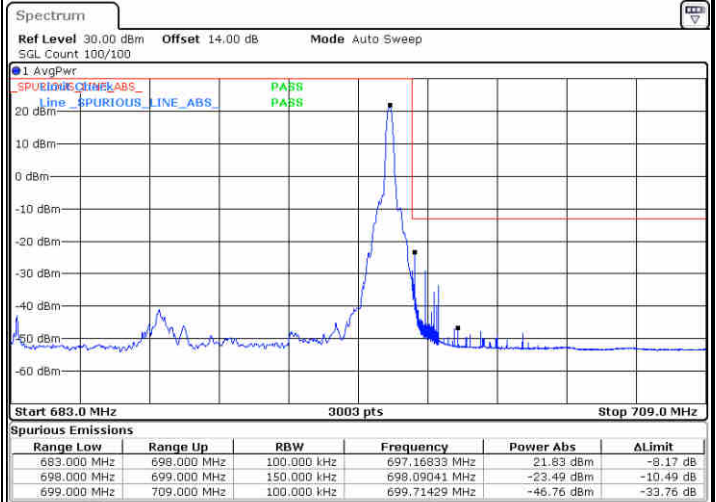
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



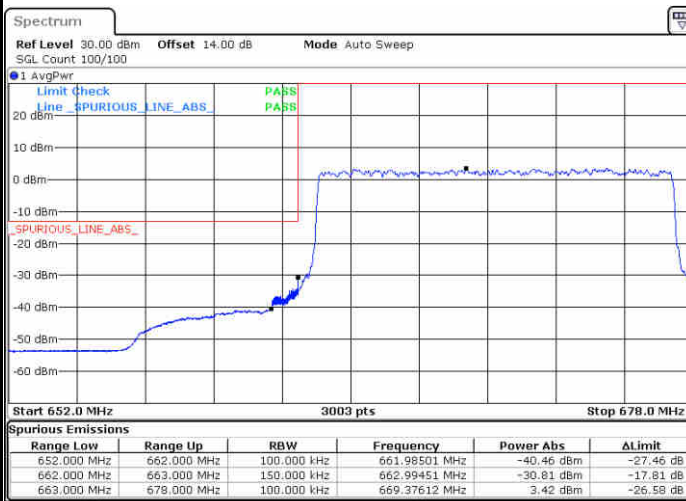
Date: 1, DEC, 2019 09:04:33

Highest Band Edge / 1 RB



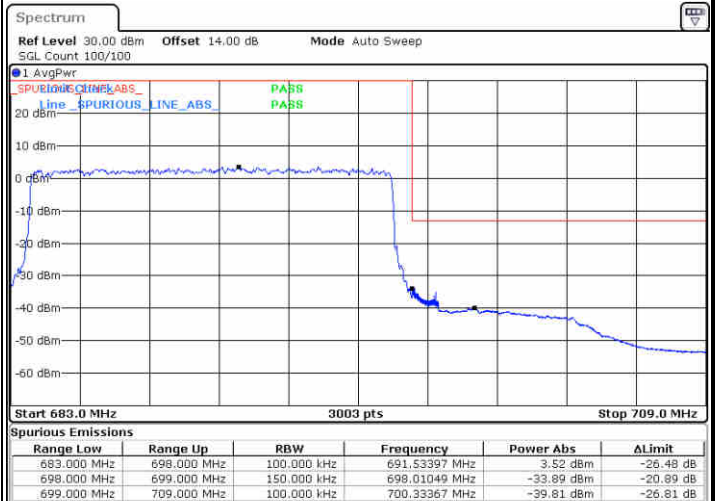
Date: 1, DEC, 2019 09:22:02

Lowest Band Edge / Full RB



Date: 1, DEC, 2019 09:13:45

Highest Band Edge / Full RB

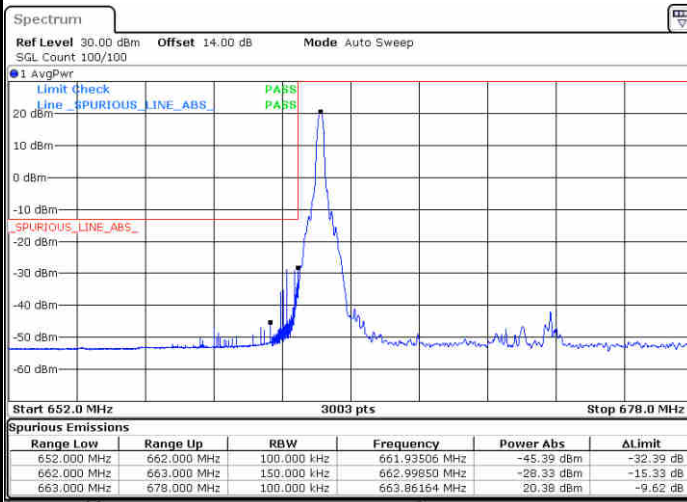


Date: 1, DEC, 2019 09:15:16



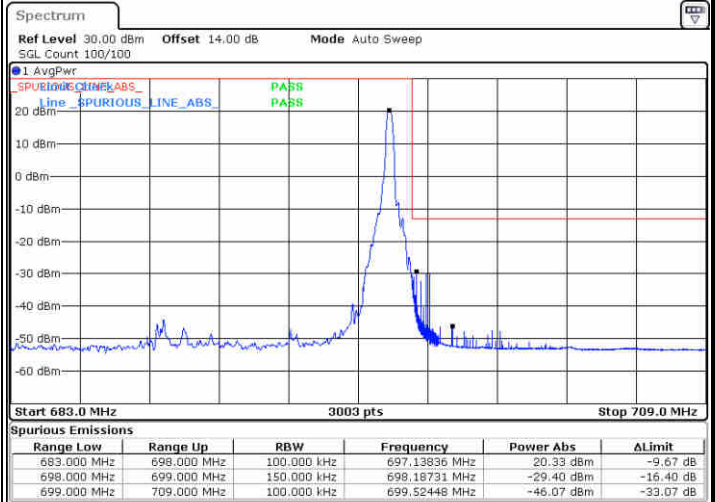
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



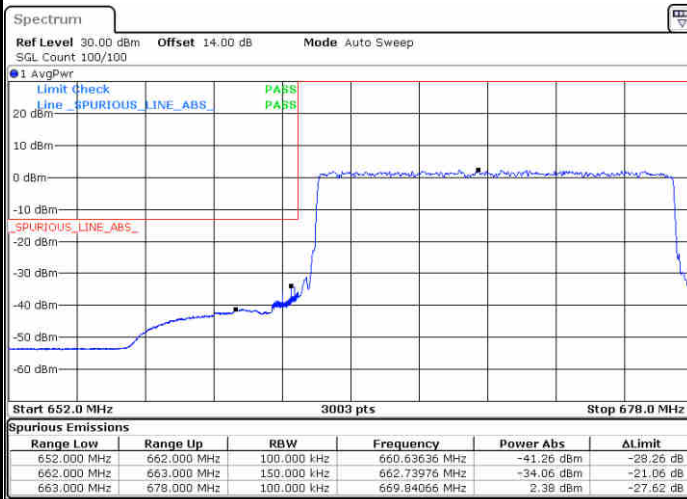
Date: 1, DEC, 2019 09:06:56

Highest Band Edge / 1 RB



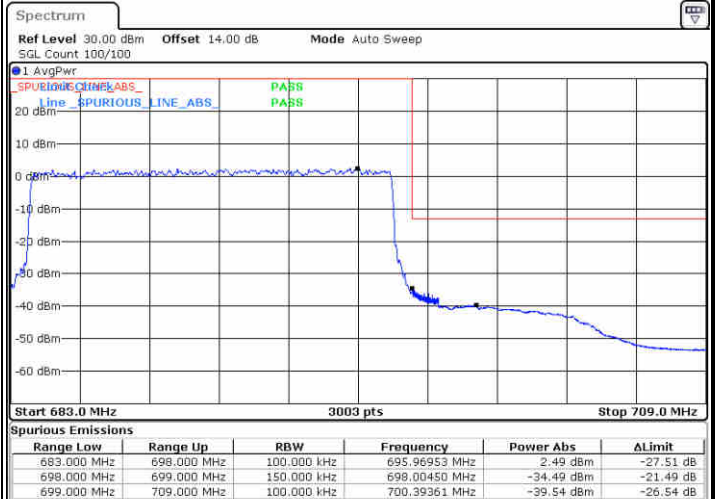
Date: 1, DEC, 2019 09:22:43

Lowest Band Edge / Full RB



Date: 1, DEC, 2019 09:11:57

Highest Band Edge / Full RB

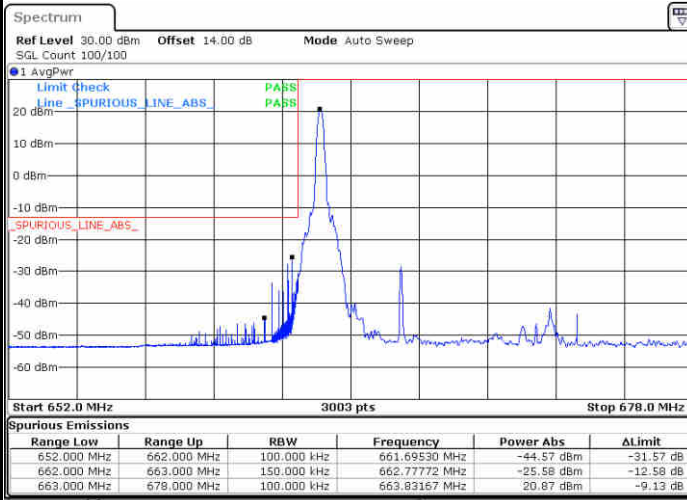


Date: 1, DEC, 2019 09:16:28



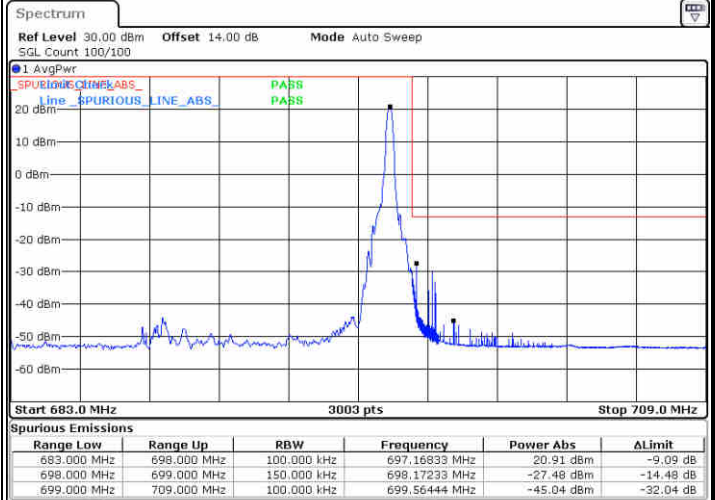
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



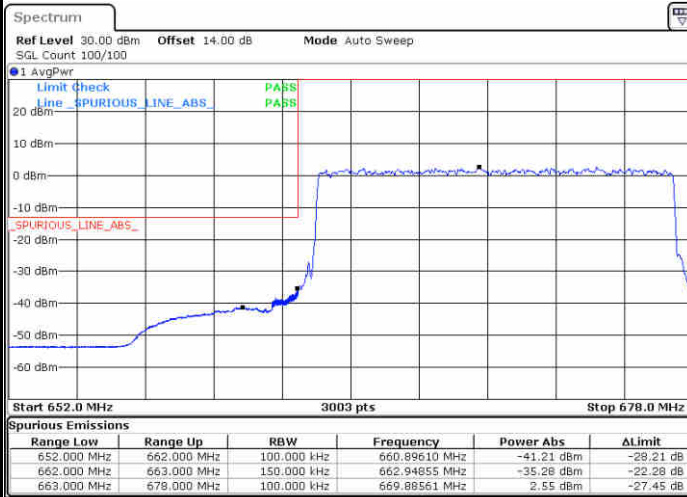
Date: 1, DEC, 2019 09:09:33

Highest Band Edge / 1 RB



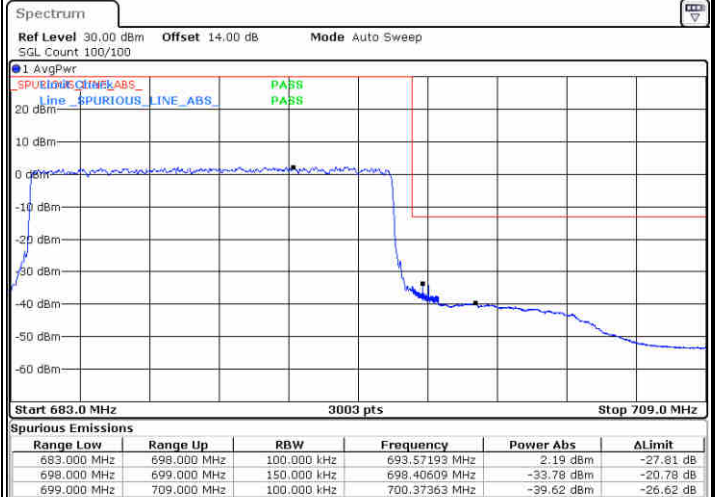
Date: 1, DEC, 2019 09:23:37

Lowest Band Edge / Full RB



Date: 1, DEC, 2019 09:10:58

Highest Band Edge / Full RB

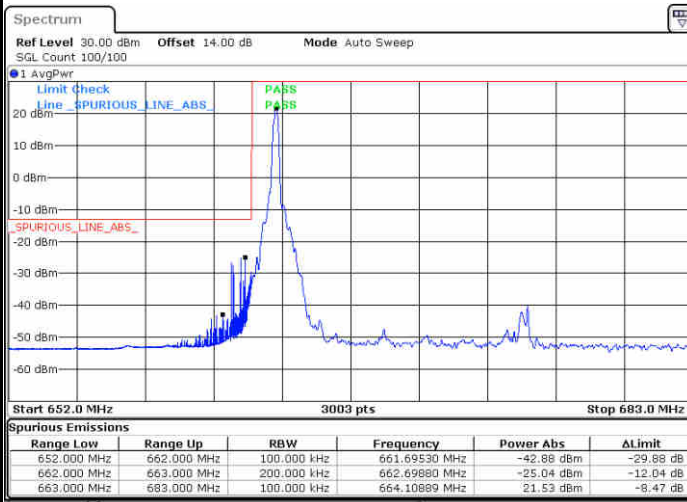


Date: 1, DEC, 2019 09:18:07



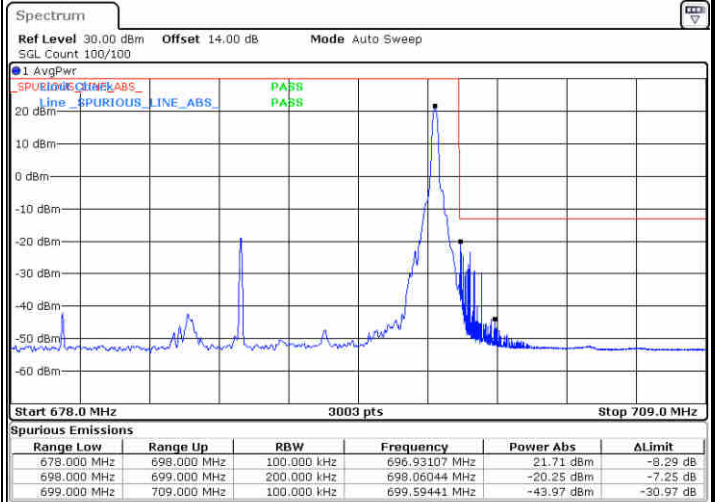
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



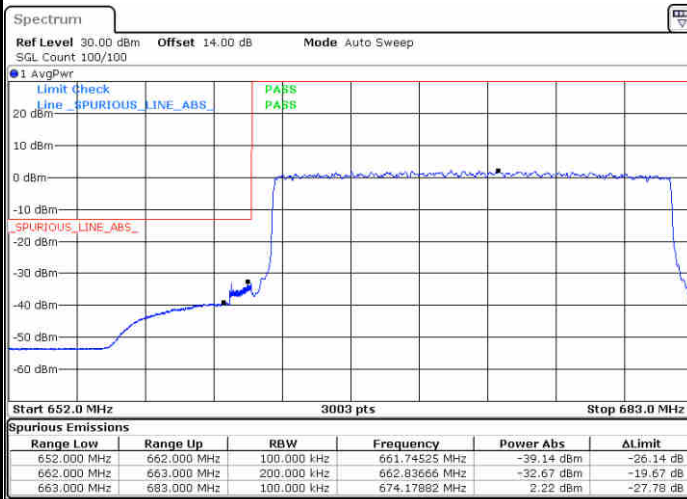
Date: 1.DEC.2019 09:30:15

Highest Band Edge / 1 RB



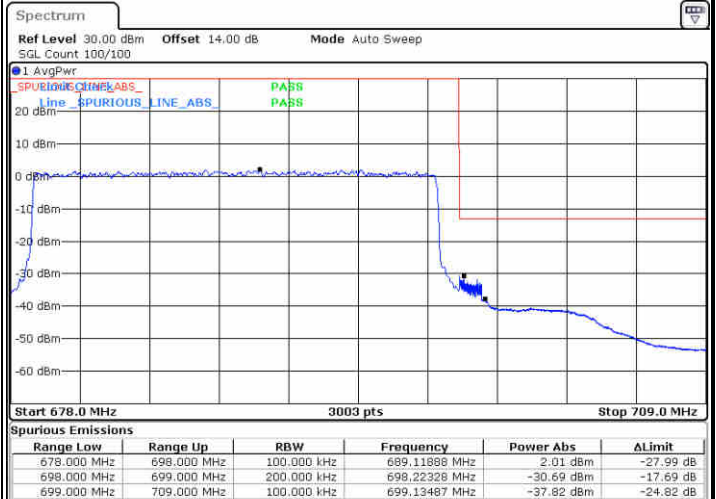
Date: 1.DEC.2019 09:52:25

Lowest Band Edge / Full RB



Date: 1.DEC.2019 09:42:43

Highest Band Edge / Full RB

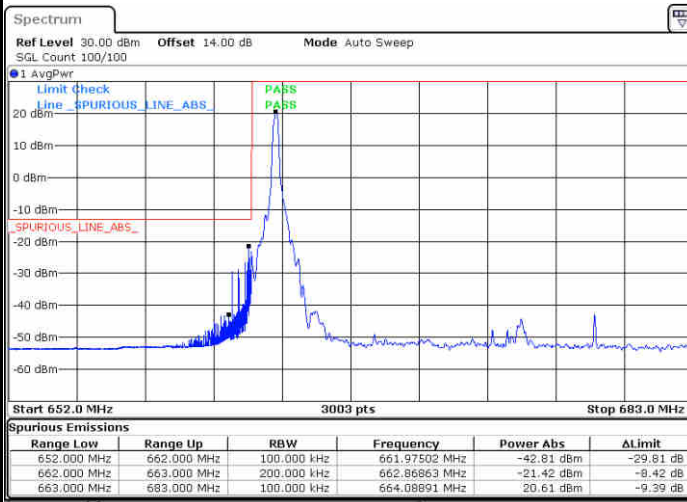


Date: 1.DEC.2019 09:44:50



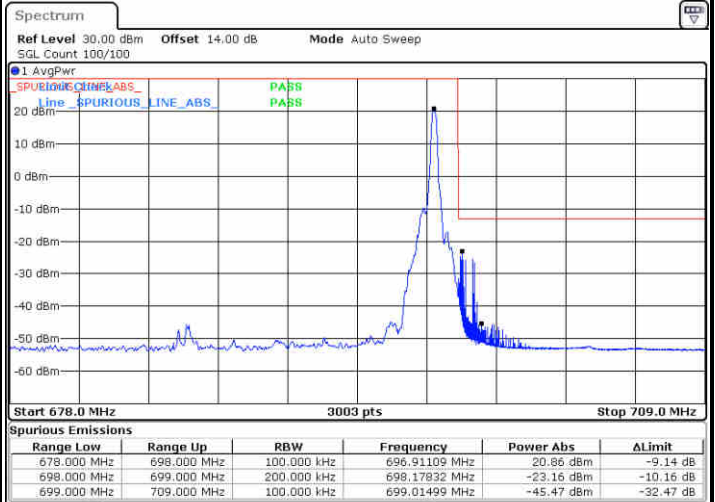
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



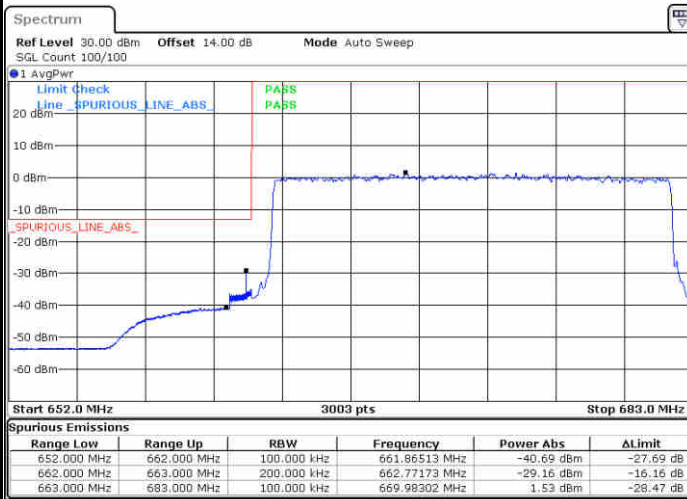
Date: 1, DEC, 2019 09:31:53

Highest Band Edge / 1RB



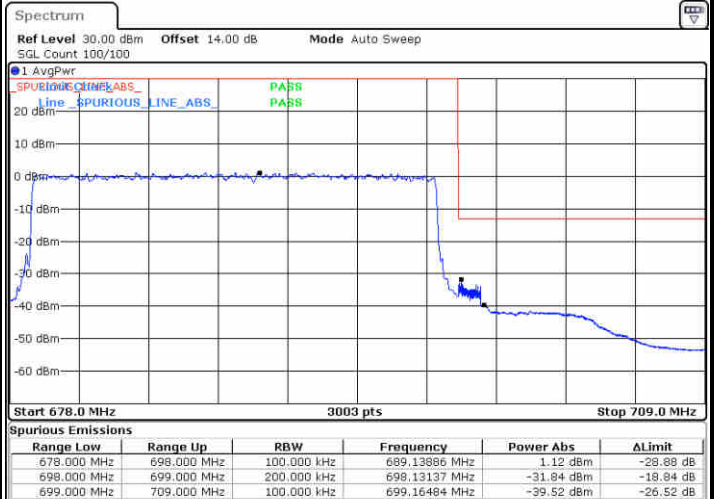
Date: 1, DEC, 2019 09:53:25

Lowest Band Edge / Full RB



Date: 1, DEC, 2019 09:41:35

Highest Band Edge / Full RB

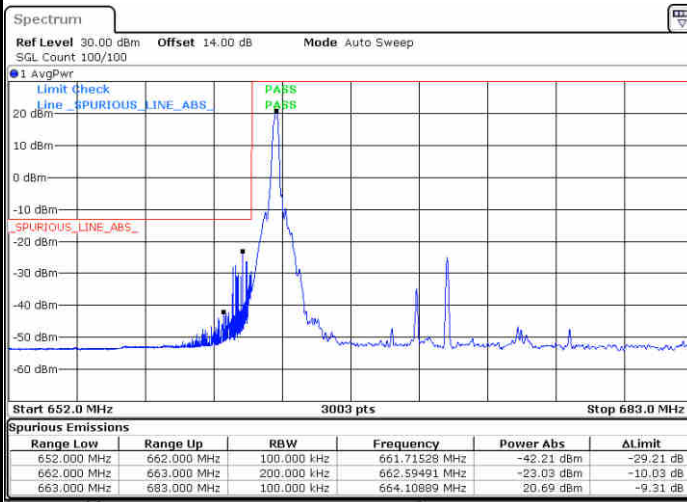


Date: 1, DEC, 2019 09:46:09



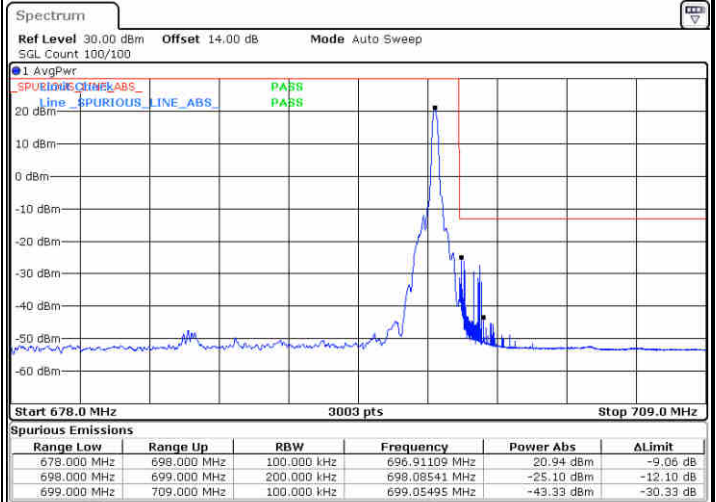
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



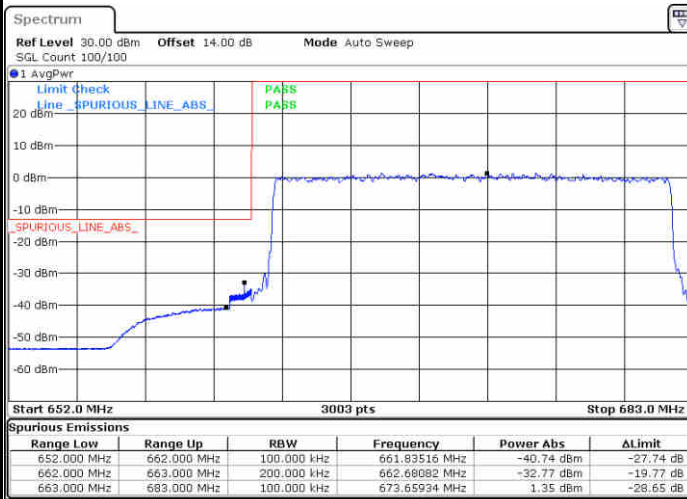
Date: 1.DEC.2019 09:33:48

Highest Band Edge / 1 RB



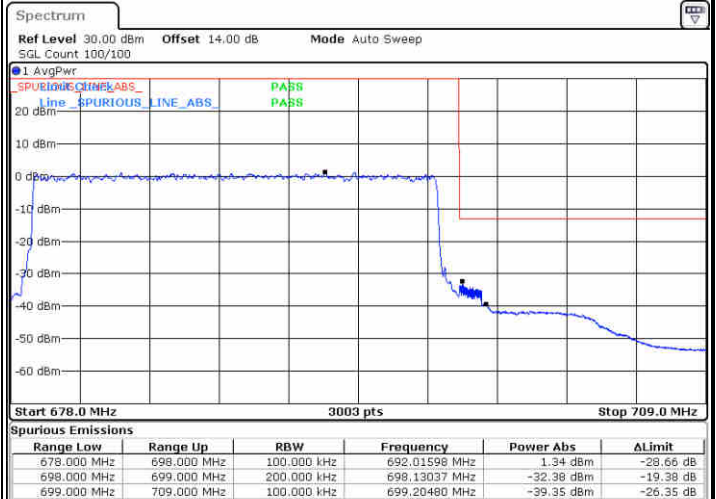
Date: 1.DEC.2019 09:54:28

Lowest Band Edge / Full RB



Date: 1.DEC.2019 09:38:16

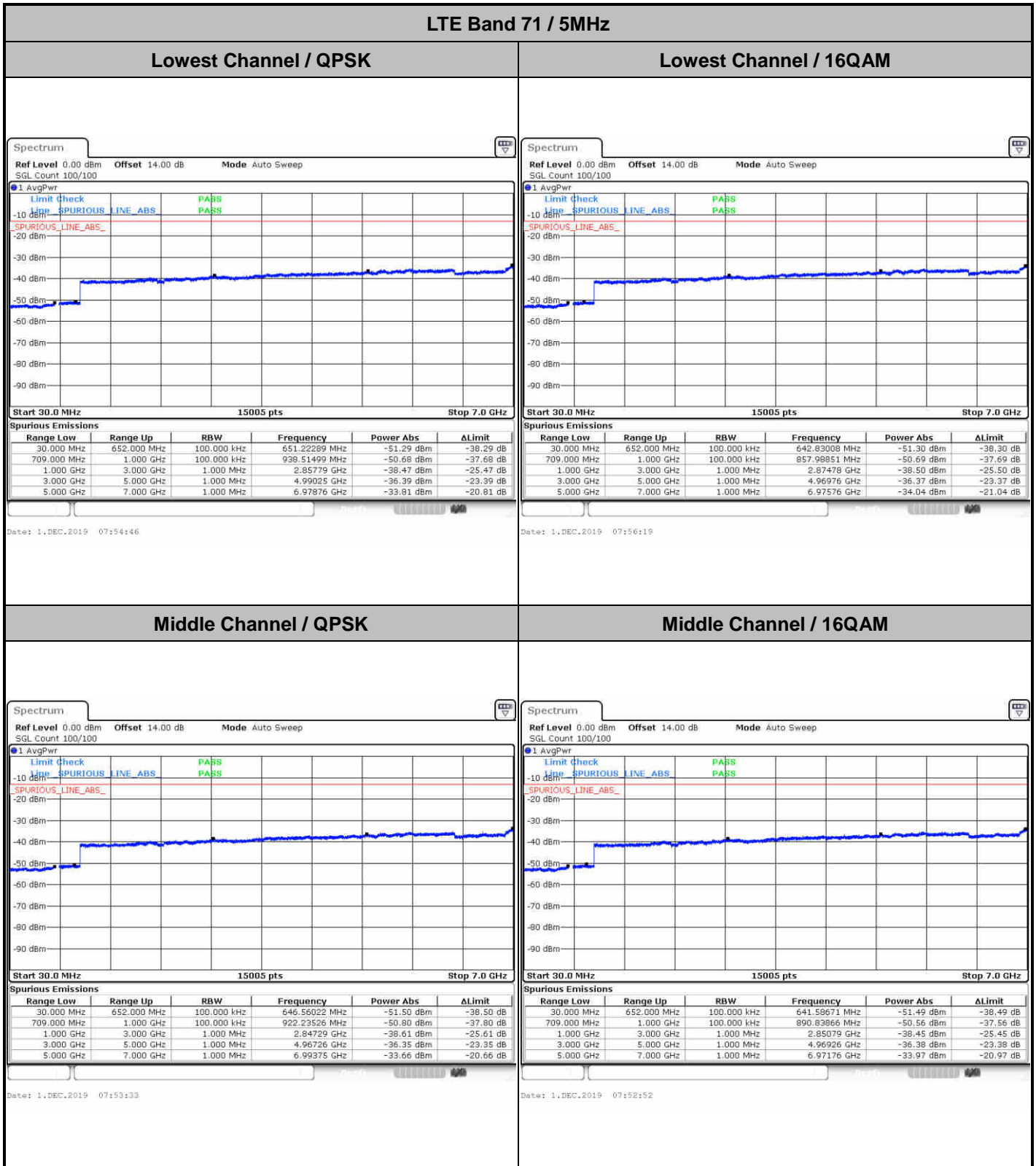
Highest Band Edge / Full RB



Date: 1.DEC.2019 09:47:26



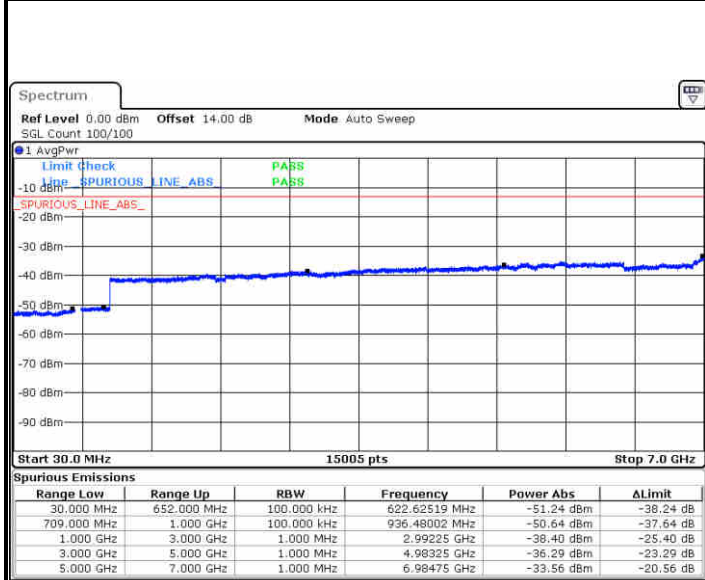
Conducted Spurious Emission





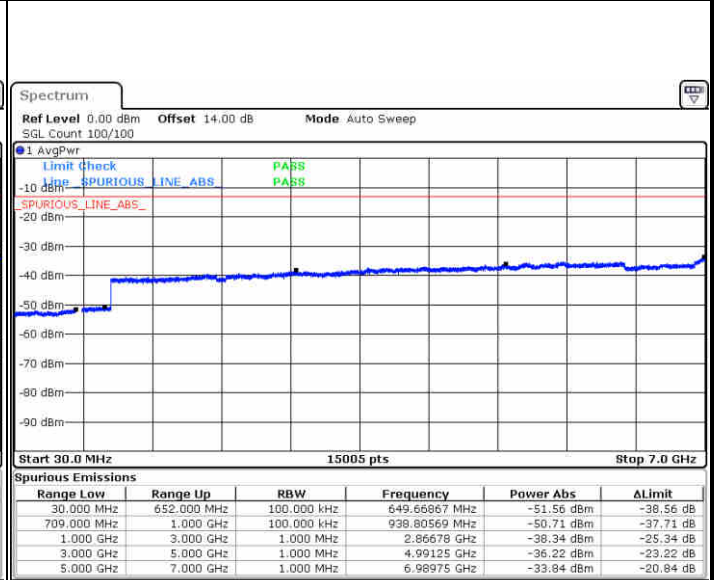
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 1.DEC.2019 08:15:39

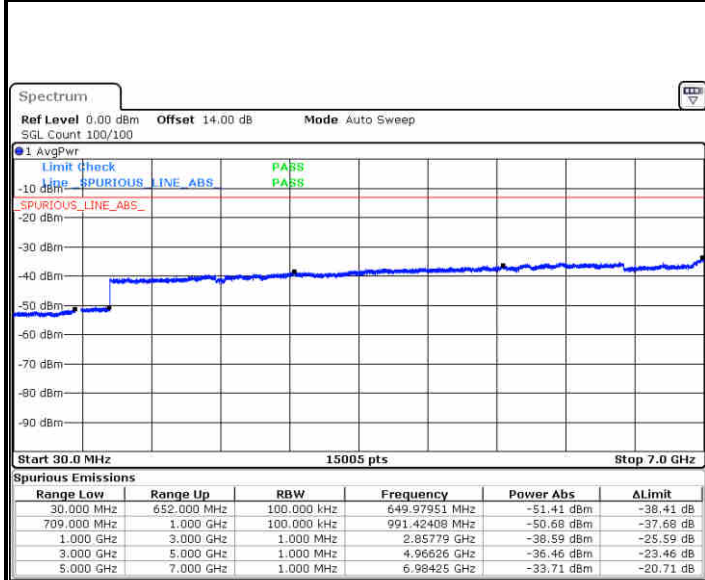
Highest Channel / 16QAM



Date: 1.DEC.2019 08:16:37

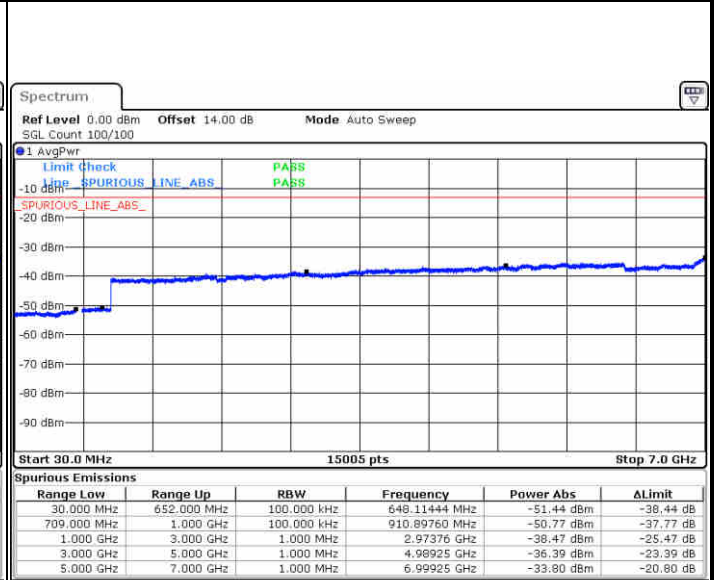
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 1.DEC.2019 08:19:04

Lowest Channel / 16QAM



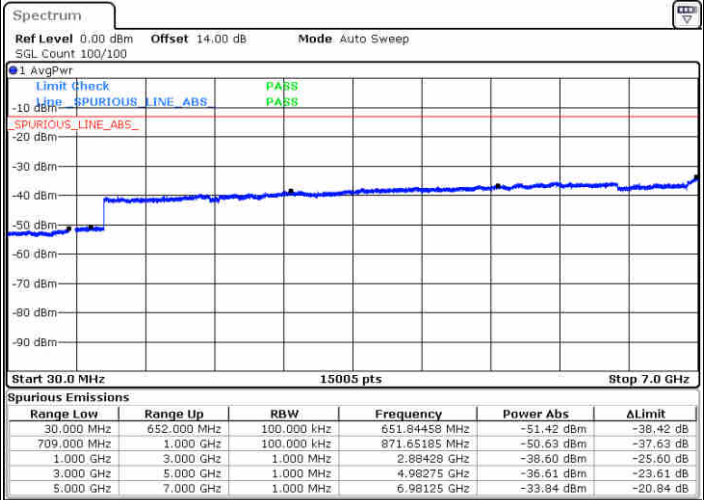
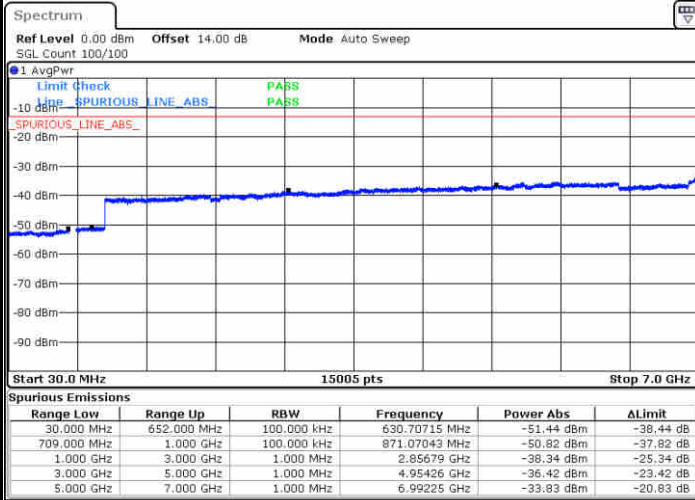
Date: 1.DEC.2019 08:40:51



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

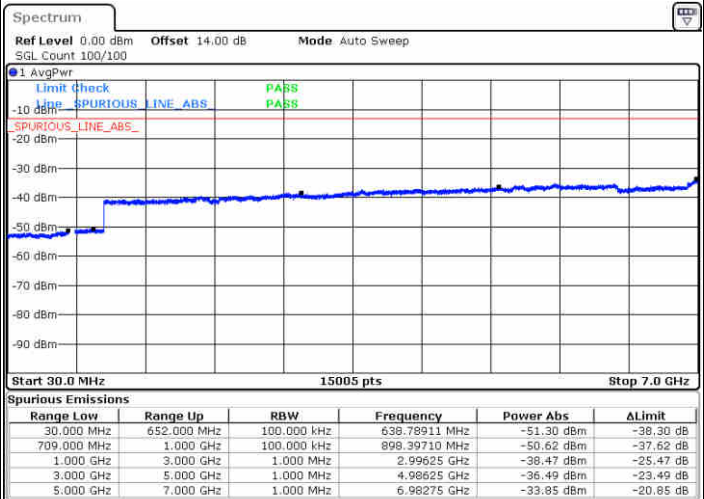
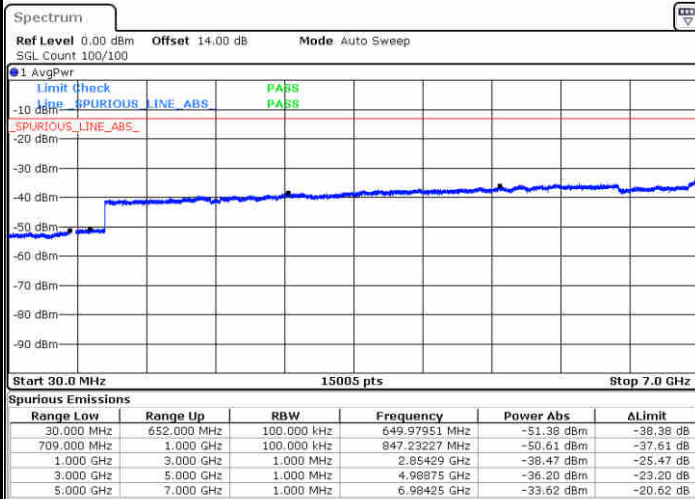


Date: 1.DEC.2019 08:37:13

Date: 1.DEC.2019 08:36:25

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.DEC.2019 08:53:25

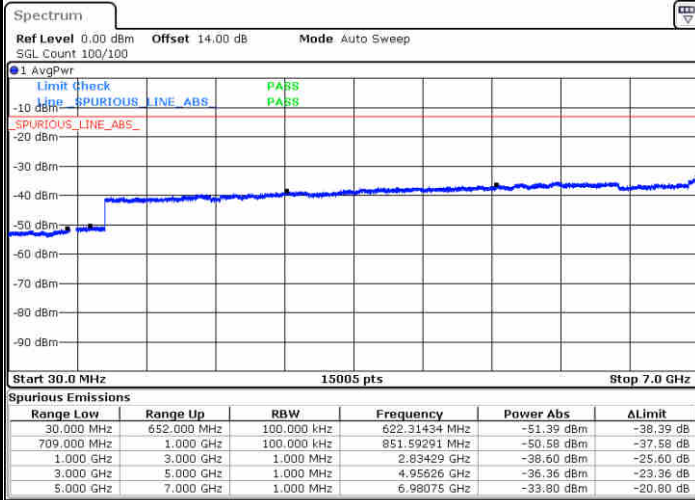
Date: 1.DEC.2019 08:52:38



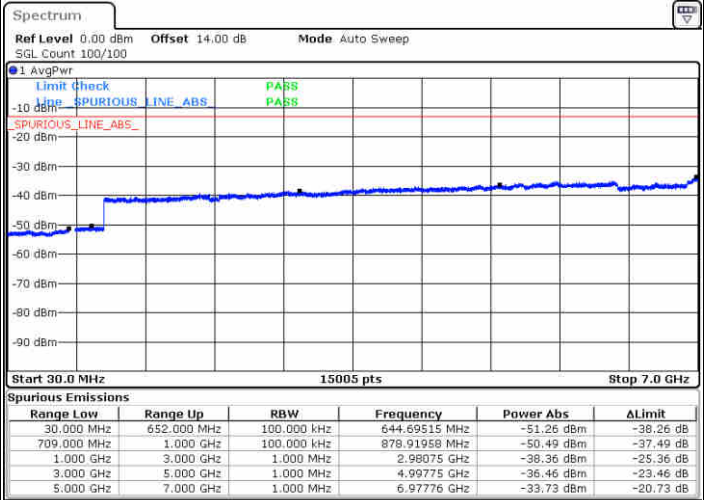
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



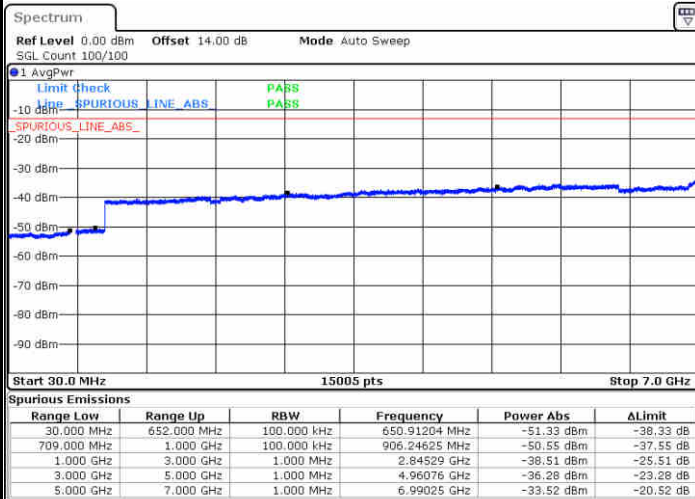
Date: 1.DEC.2019 09:05:15



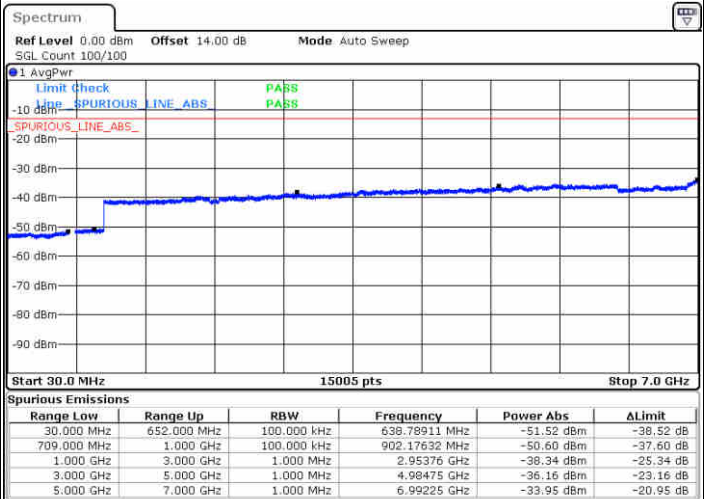
Date: 1.DEC.2019 09:06:17

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 1.DEC.2019 09:01:49



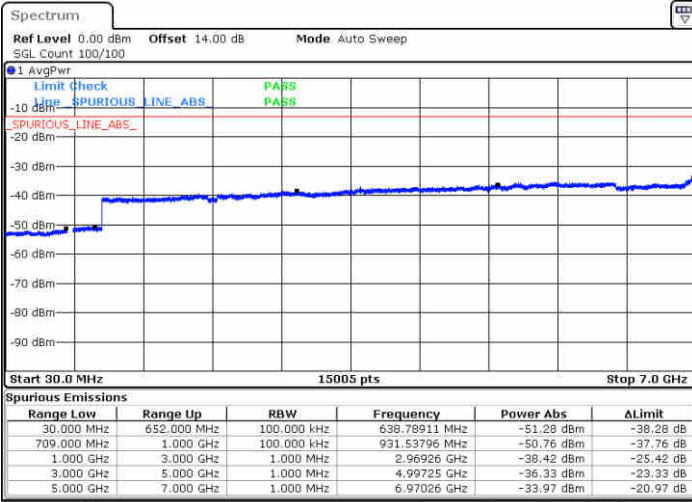
Date: 1.DEC.2019 09:00:20



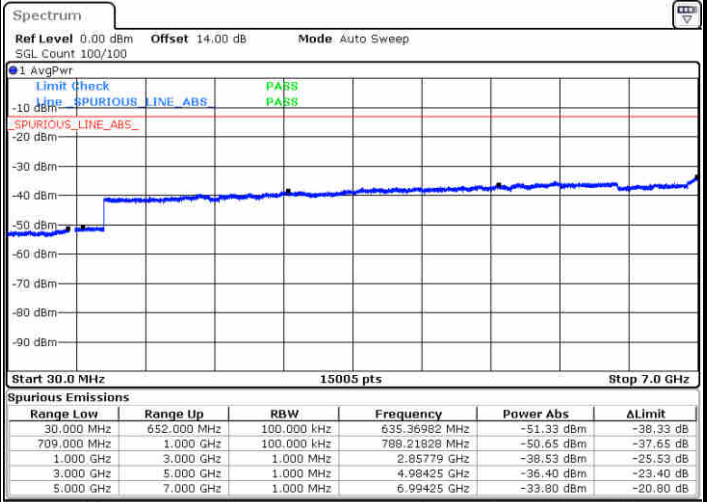
LTE Band71 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1. DEC. 2019 09:20:55

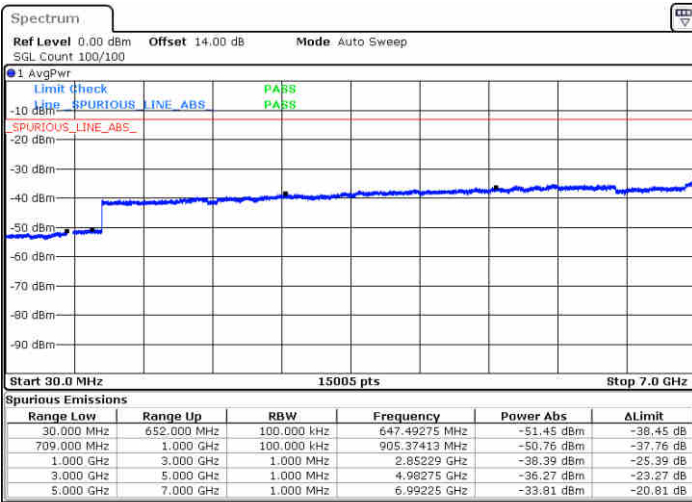


Date: 1. DEC. 2019 09:20:03

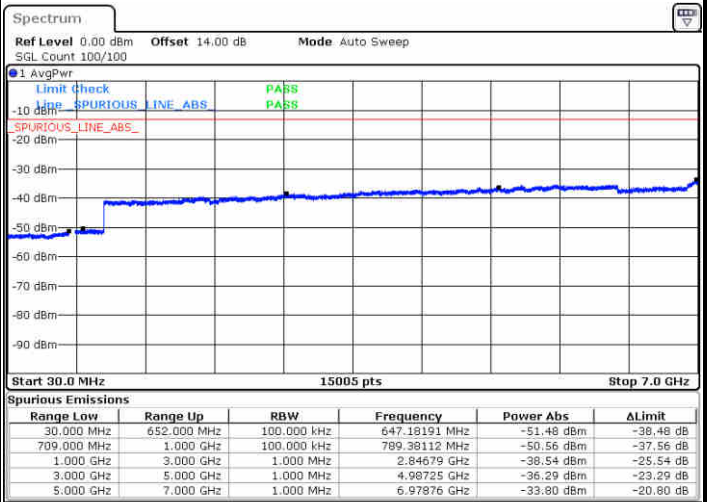
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1. DEC. 2019 09:30:56



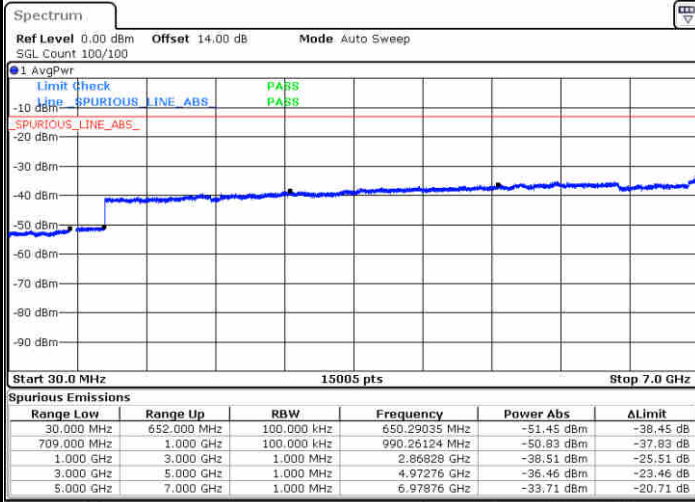
Date: 1. DEC. 2019 09:32:37



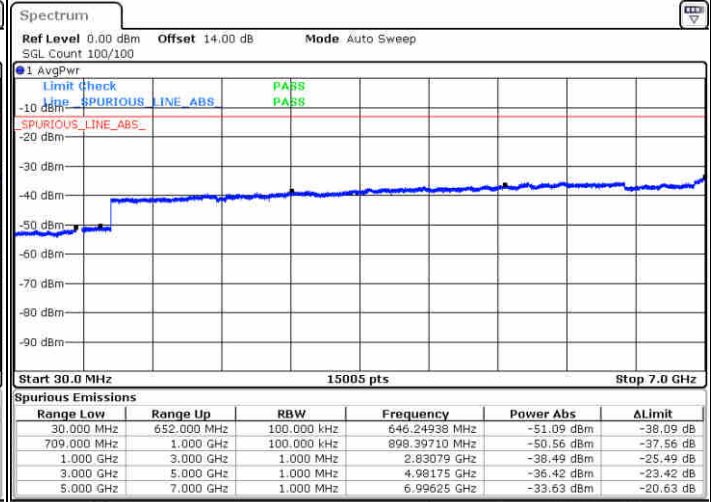
LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



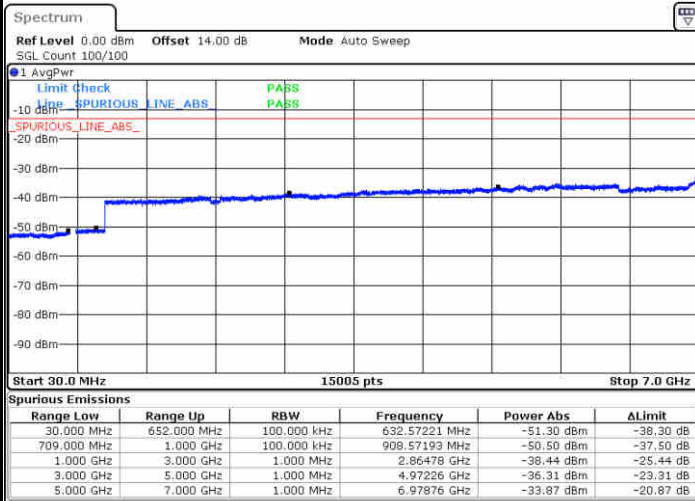
Date: 1.DEC.2019 09:28:42



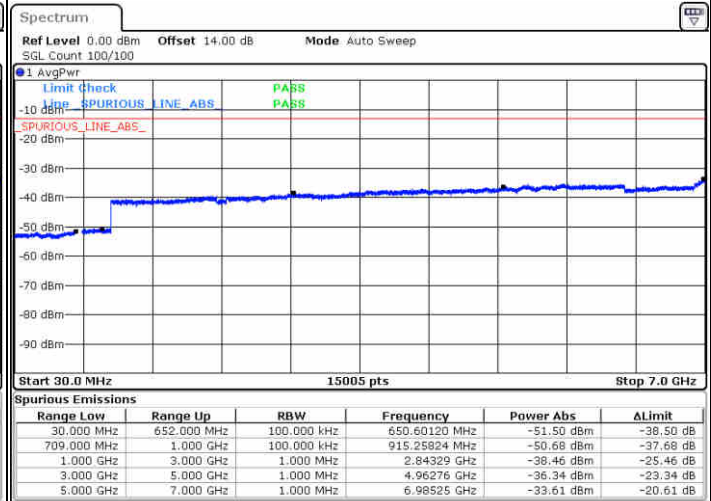
Date: 1.DEC.2019 09:27:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.DEC.2019 09:51:23



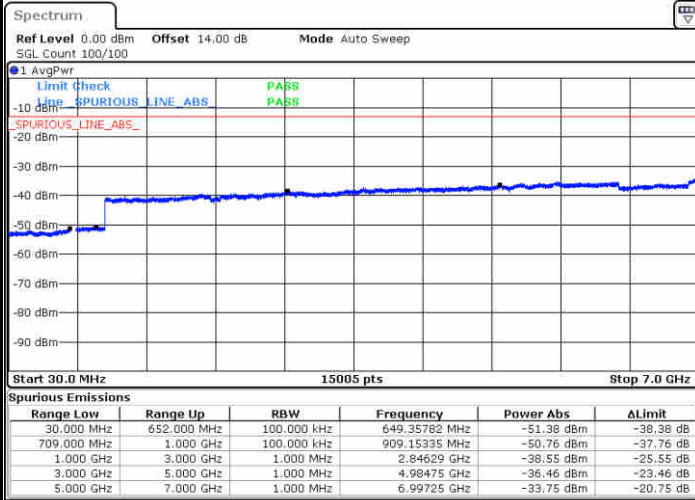
Date: 1.DEC.2019 09:50:12



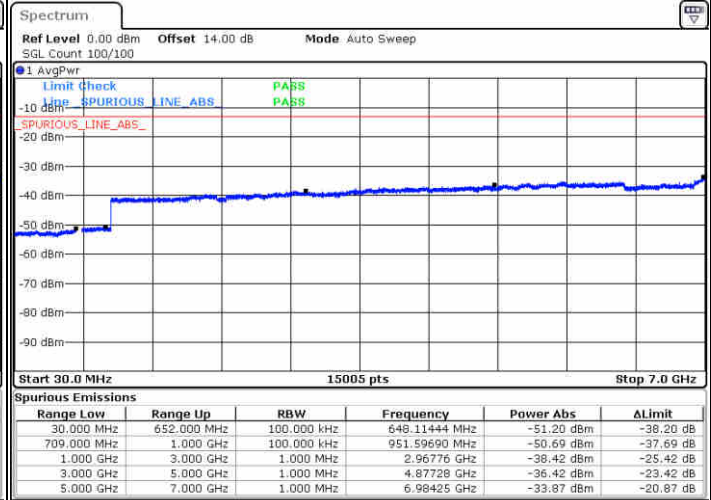
LTE Band 71 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

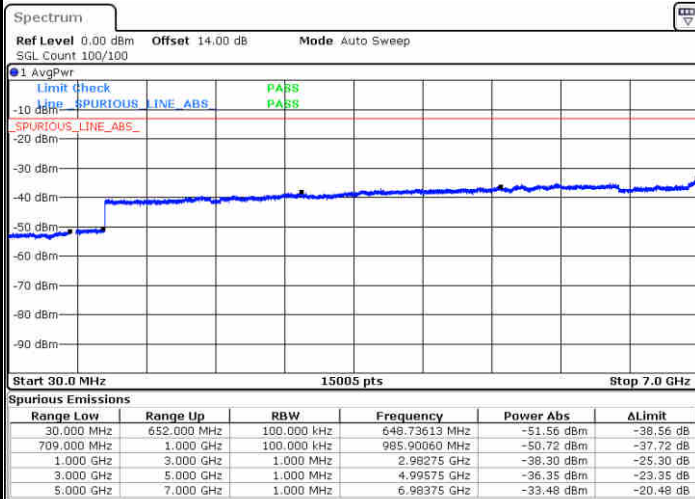


Date: 1.DEC.2019 07:58:01



Date: 1.DEC.2019 07:52:05

Highest Channel / 64QAM

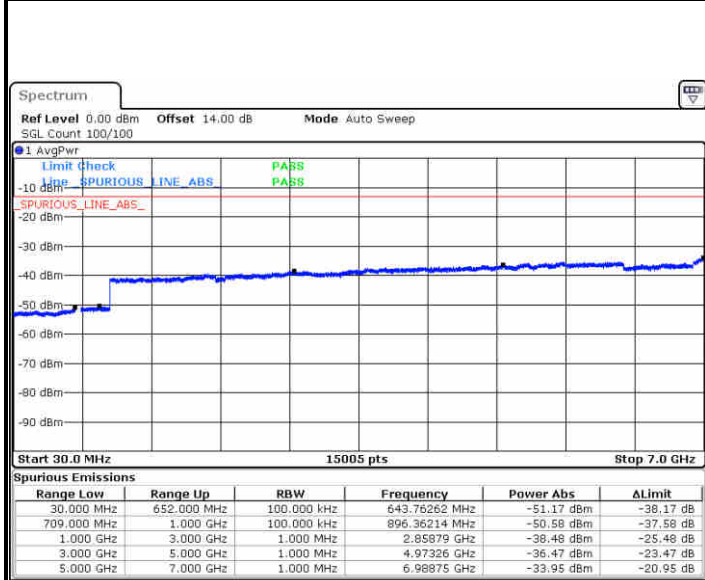


Date: 1.DEC.2019 08:17:34



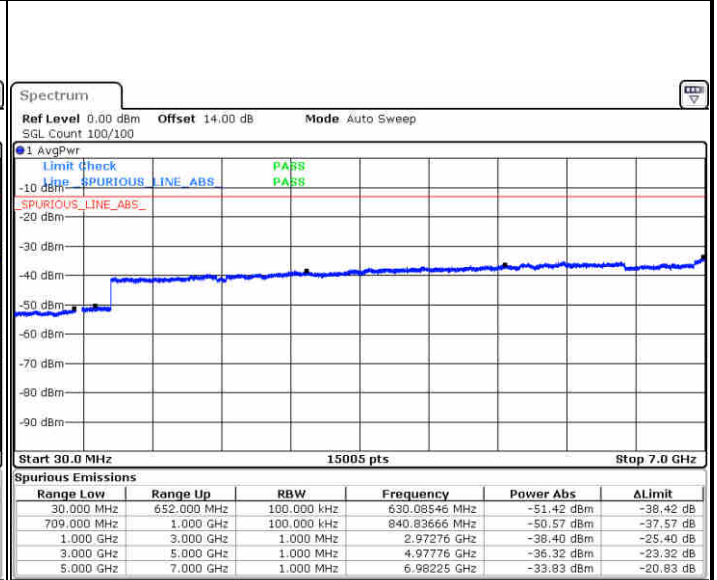
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



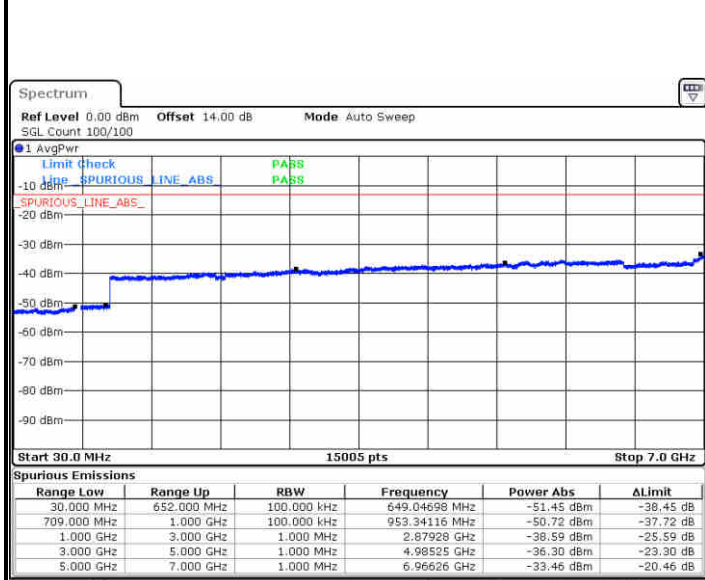
Date: 1.DEC.2019 08:42:30

Middle Channel / 64QAM

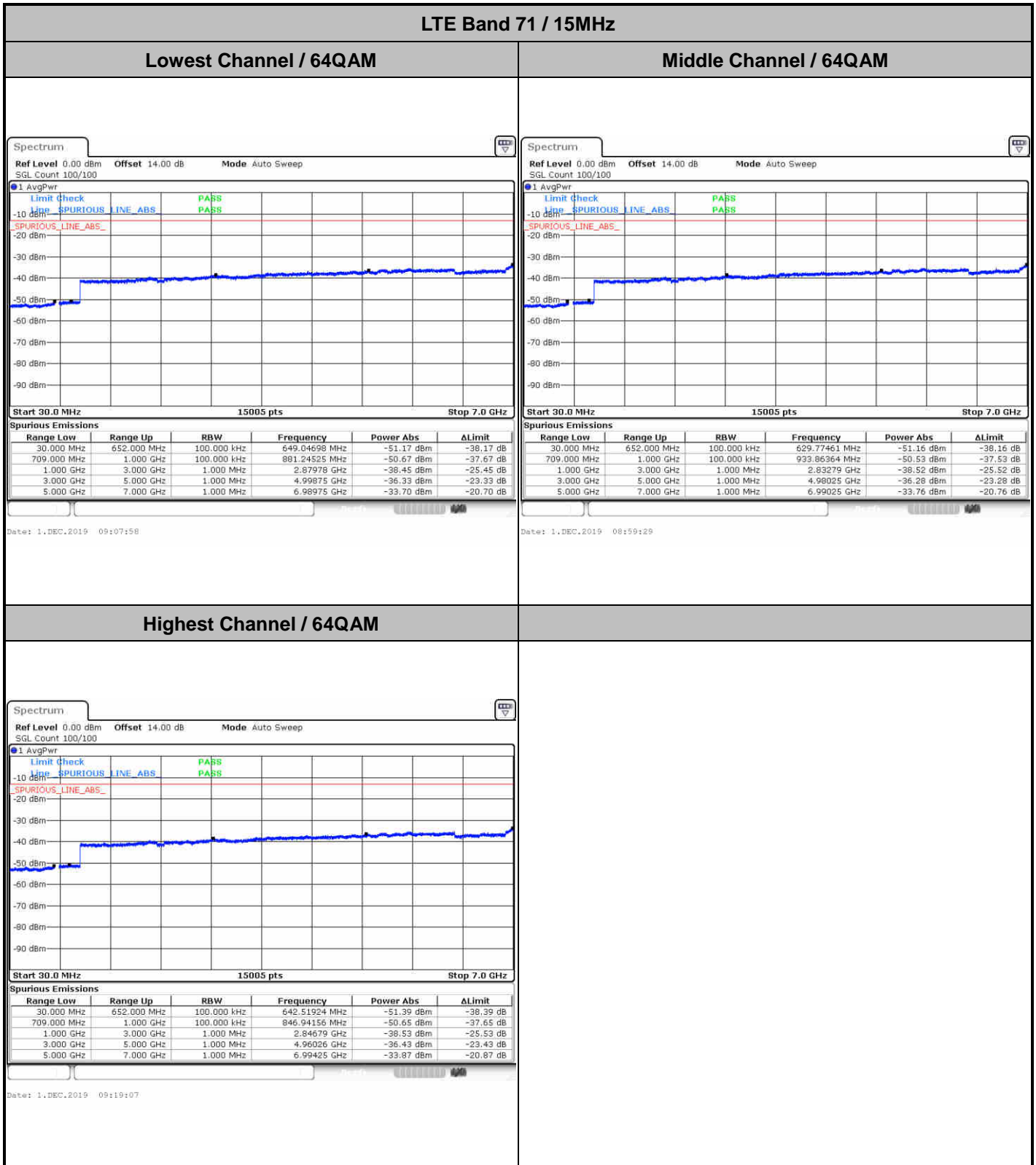


Date: 1.DEC.2019 08:35:37

Highest Channel / 64QAM



Date: 1.DEC.2019 08:51:53

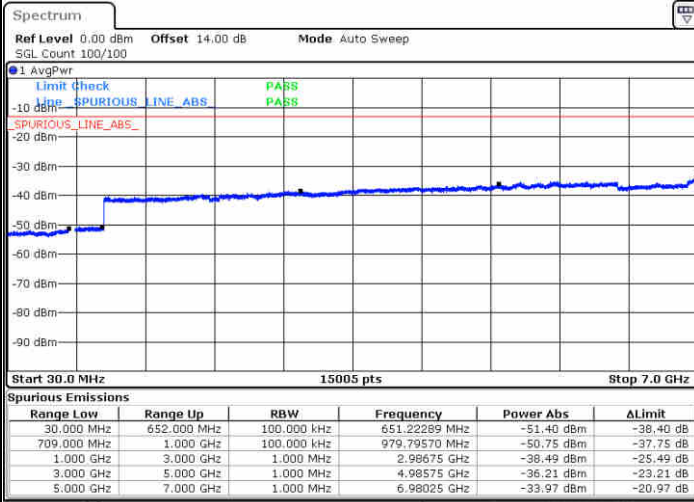




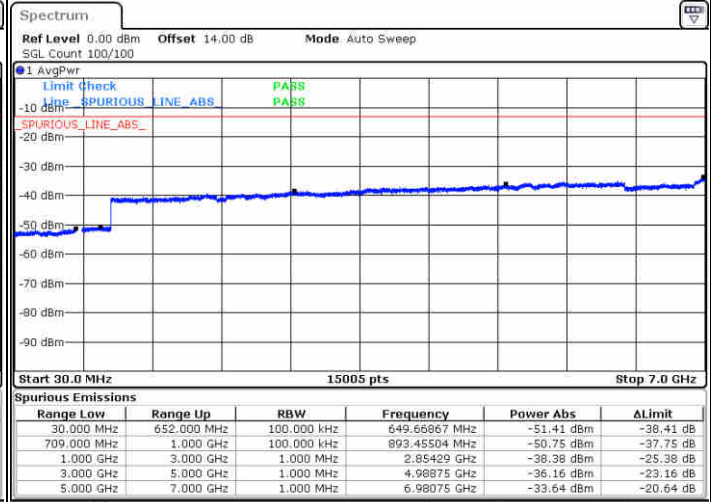
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

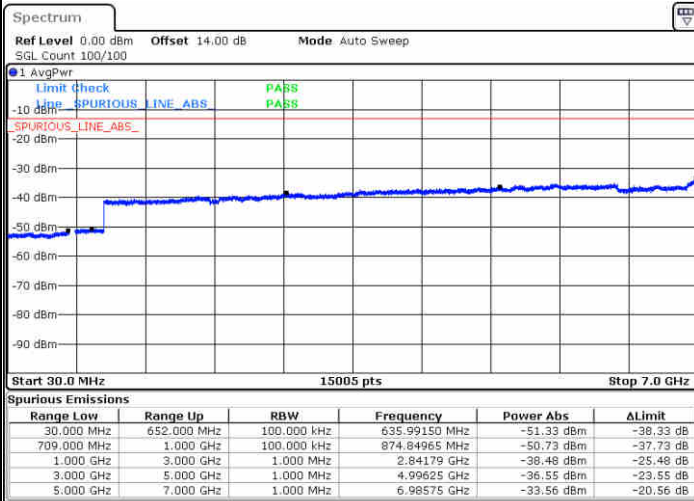


Date: 1.DEC.2019 09:34:49



Date: 1.DEC.2019 09:26:55

Highest Channel / 64QAM



Date: 1.DEC.2019 09:48:27



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	0.0012	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.03	29.85	25.13	30.57
Middle CH	24.73	25.03	29.79	25.08	30.45
Highest CH	24.53	24.93	29.79	25.23	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.69	24.88	30.09	34.83	39.80
Middle CH	34.76	24.88	30.03	34.97	39.88
Highest CH	34.90	24.83	30.09	34.90	39.72

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.63	25.23	29.67	25.23	30.45
Middle CH	24.68	25.03	29.85	25.08	30.39
Highest CH	24.68	24.98	29.91	25.03	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.88	30.03	34.69	39.80
Middle CH	34.90	24.78	30.15	34.76	39.56
Highest CH	34.76	24.83	29.79	34.76	39.88

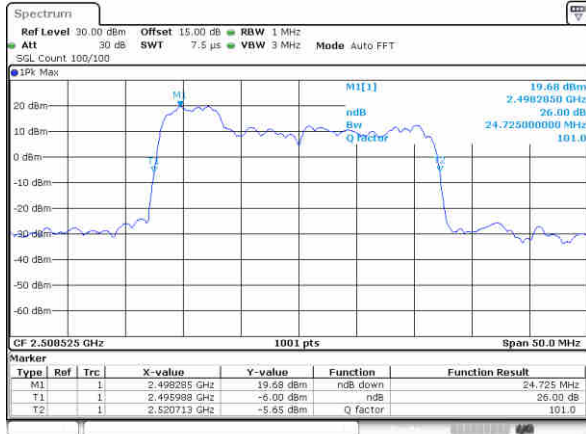
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.68	25.13	29.79	25.13	30.45
Middle CH	24.63	25.08	29.97	25.08	30.57
Highest CH	24.63	25.08	29.85	24.93	30.39
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.69	24.83	29.91	34.76	39.64
Middle CH	34.76	24.73	29.85	35.11	39.72
Highest CH	34.76	24.83	29.97	34.97	39.64



LTE Band 41C

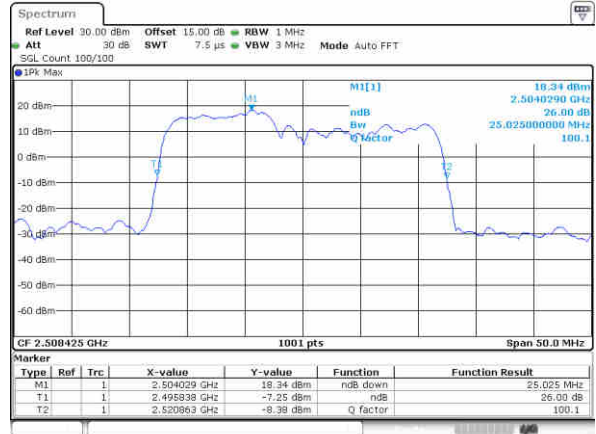
QPSK

Lowest Channel / 5MHz+20MHz



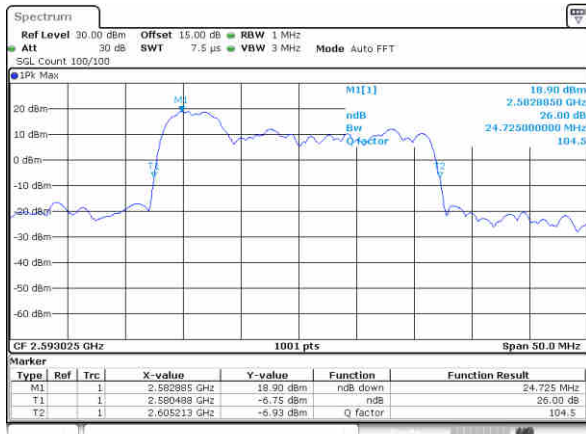
Date: 30, DEC, 2019 13:49:46

Lowest Channel / 10MHz+15MHz



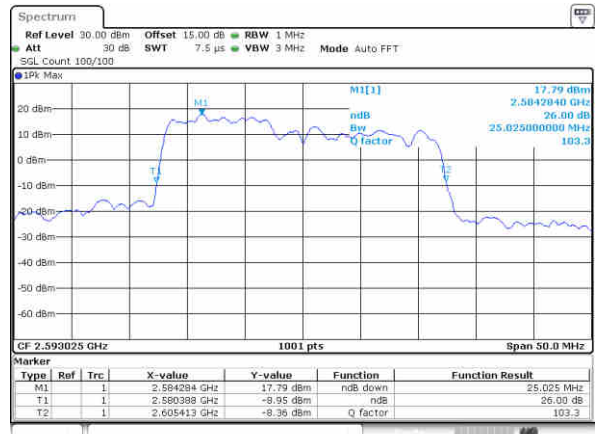
Date: 30, DEC, 2019 17:10:13

Middle Channel / 5MHz+20MHz



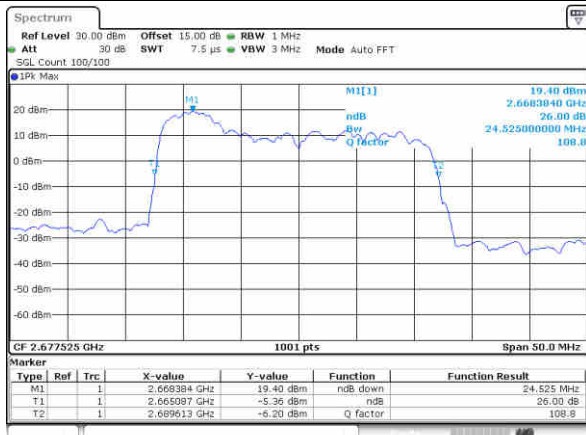
Date: 30, DEC, 2019 13:58:54

Middle Channel / 10MHz+15MHz



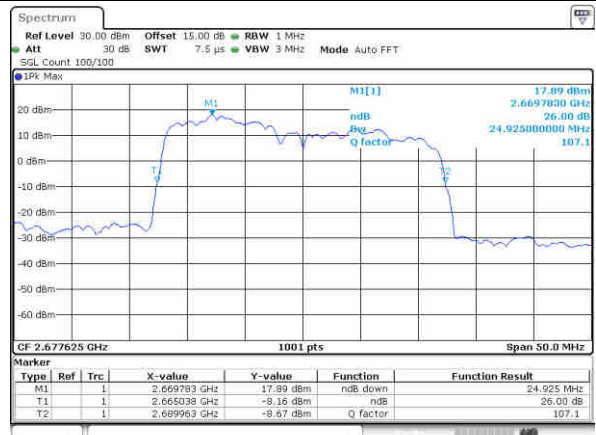
Date: 30, DEC, 2019 17:12:34

Highest Channel / 5MHz+20MHz



Date: 30, DEC, 2019 14:04:39

Highest Channel / 10MHz+15MHz



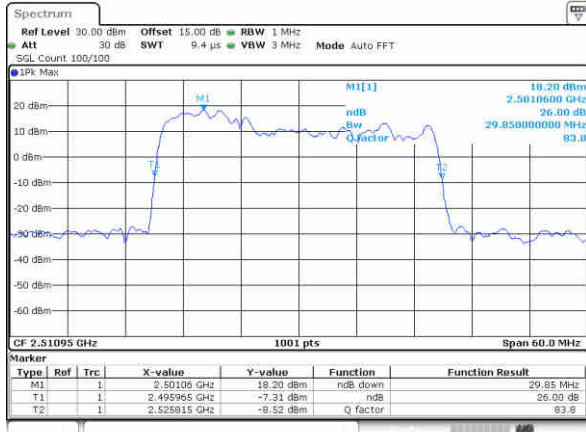
Date: 30, DEC, 2019 17:13:46



LTE Band 41C

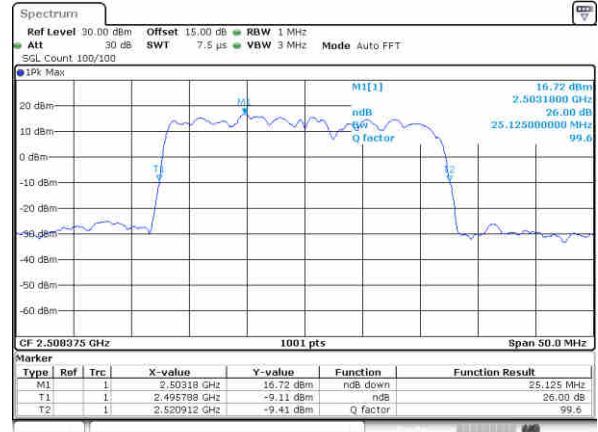
QPSK

Lowest Channel / 10MHz+20MHz



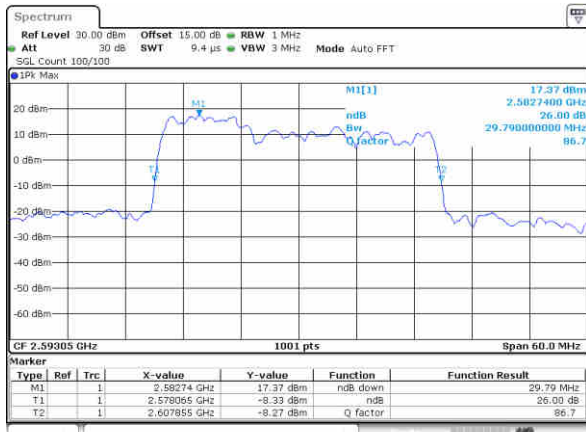
Date: 31.Dec.2019 21:24:02

Lowest Channel / 15MHz+10MHz



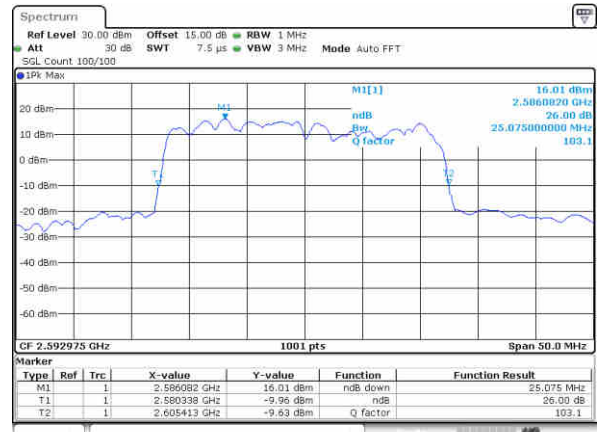
Date: 31.Dec.2019 20:18:04

Middle Channel / 10MHz+20MHz



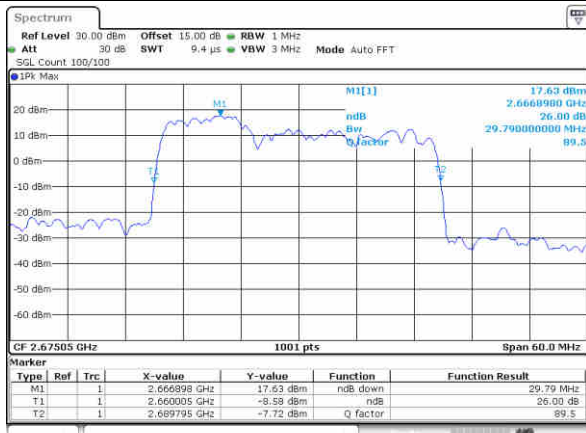
Date: 31.Dec.2019 21:30:12

Middle Channel / 15MHz+10MHz



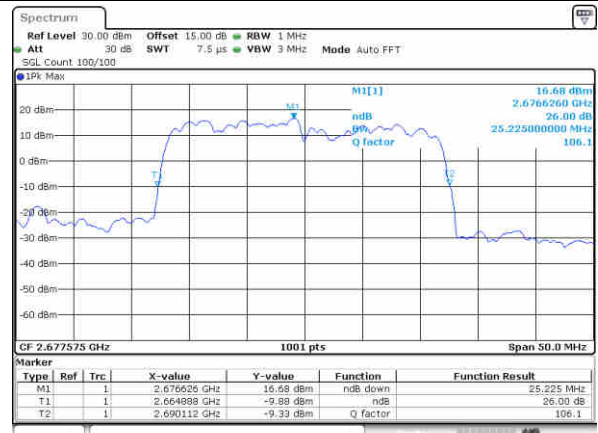
Date: 31.Dec.2019 20:23:50

Highest Channel / 10MHz+20MHz



Date: 31.Dec.2019 21:31:29

Highest Channel / 15MHz+10MHz



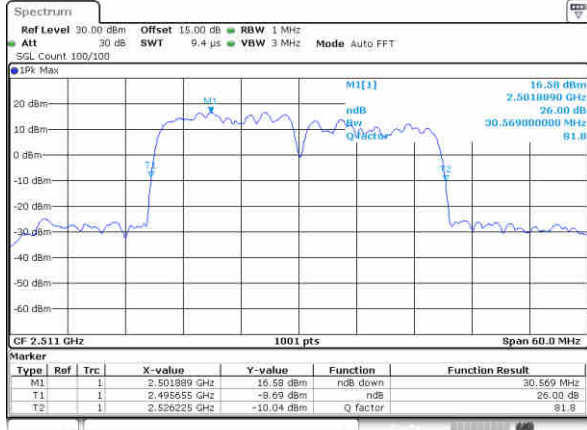
Date: 31.Dec.2019 20:25:23



LTE Band 41C

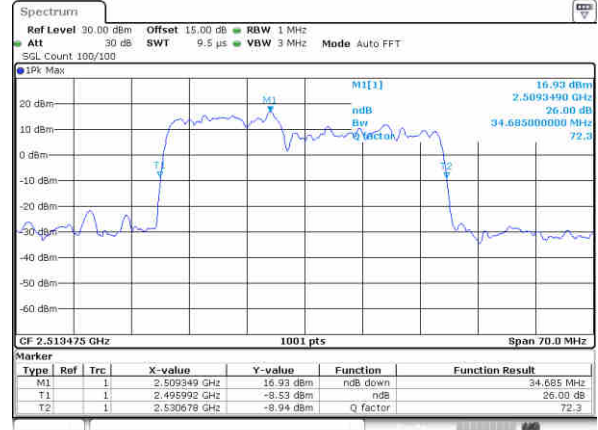
QPSK

Lowest Channel / 15MHz+15MHz



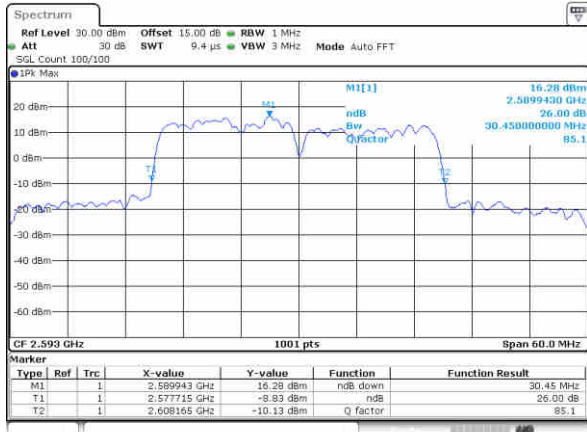
Date: 31, DEC, 2019 22:42:04

Lowest Channel / 15MHz+20MHz



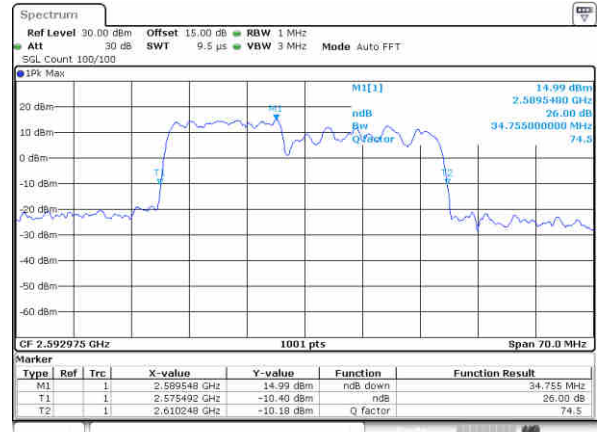
Date: 1, JAN, 2020 01:57:13

Middle Channel / 15MHz+15MHz



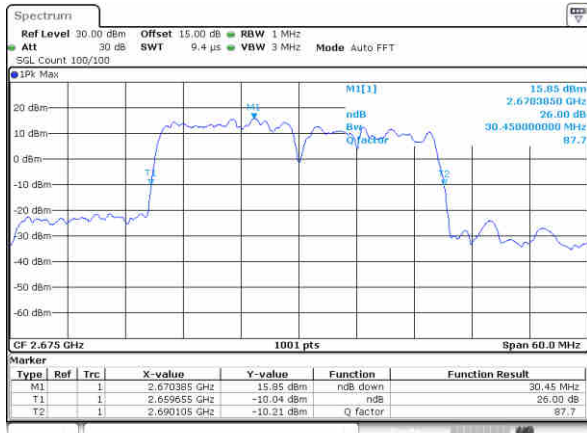
Date: 31, DEC, 2019 22:44:59

Middle Channel / 15MHz+20MHz



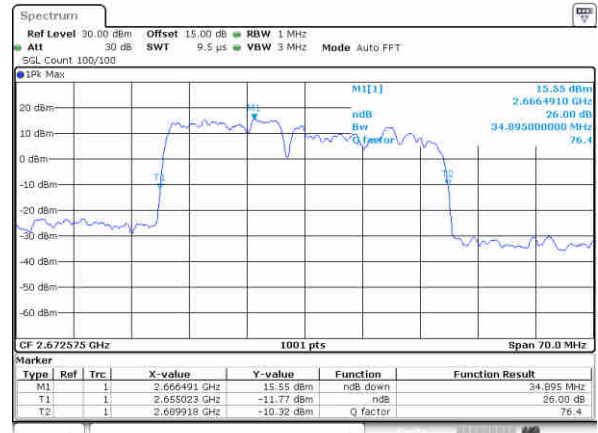
Date: 1, JAN, 2020 02:01:48

Highest Channel / 15MHz+15MHz



Date: 31, DEC, 2019 22:46:14

Highest Channel / 15MHz+20MHz



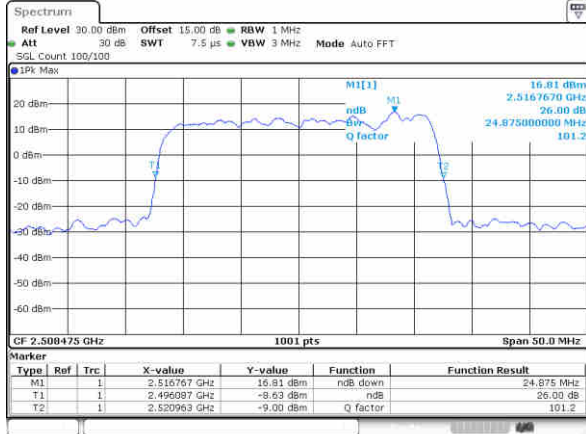
Date: 1, JAN, 2020 02:03:05



LTE Band 41

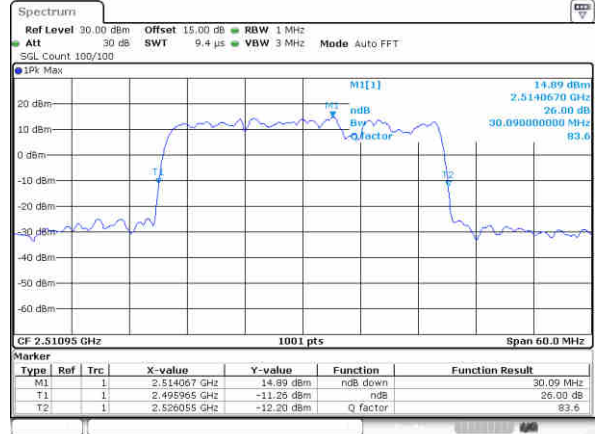
QPSK

Lowest Channel / 20MHz+5MHz



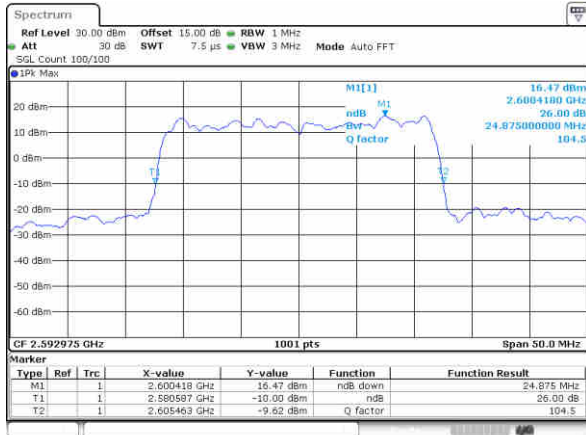
Date: 30, DEC, 2019 13:56:52

Lowest Channel / 20MHz+10MHz



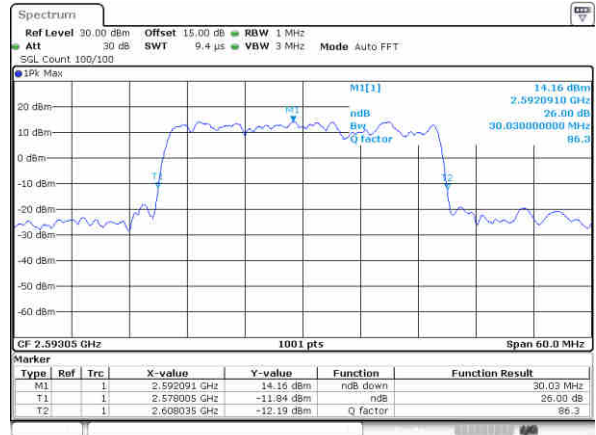
Date: 1, JAN, 2020 09:19:23

Middle Channel / 20MHz+5MHz



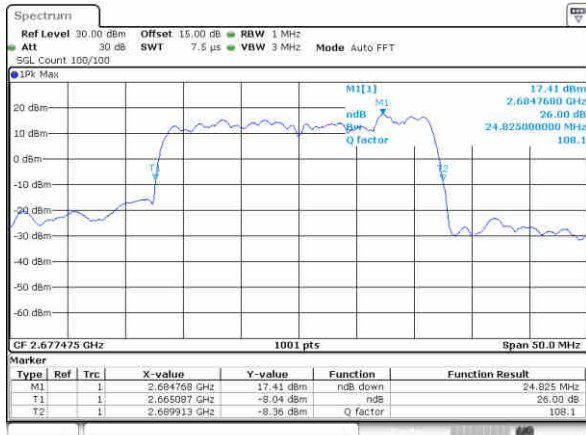
Date: 30, DEC, 2019 16:02:34

Middle Channel / 20MHz+10MHz



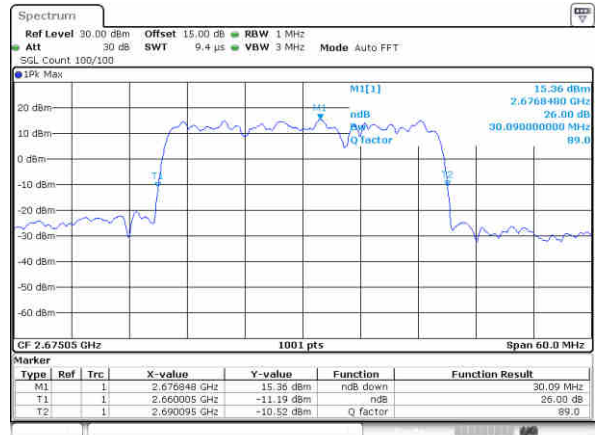
Date: 1, JAN, 2020 09:33:46

Highest Channel / 20MHz+5MHz



Date: 30, DEC, 2019 16:06:30

Highest Channel / 20MHz+10MHz



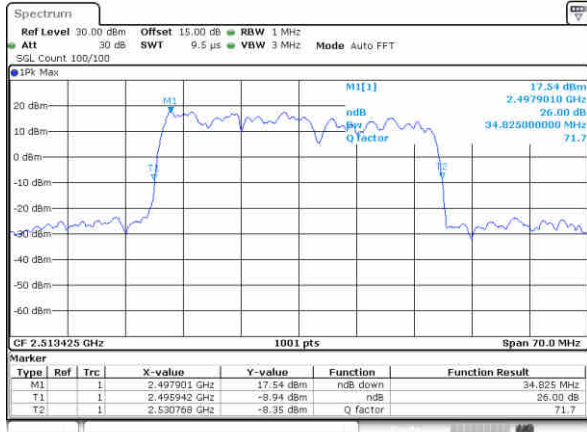
Date: 1, JAN, 2020 09:34:56



LTE Band 41C

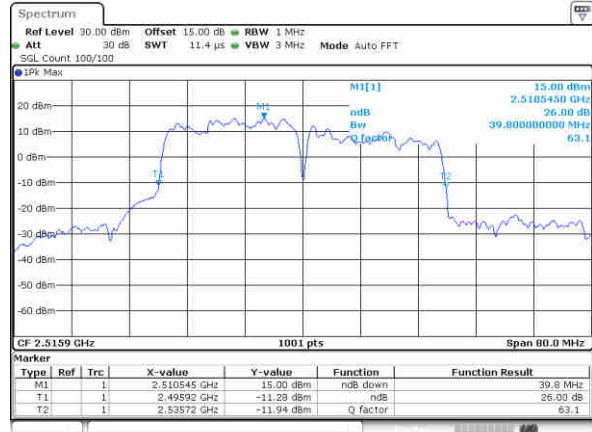
QPSK

Lowest Channel / 20MHz+15MHz



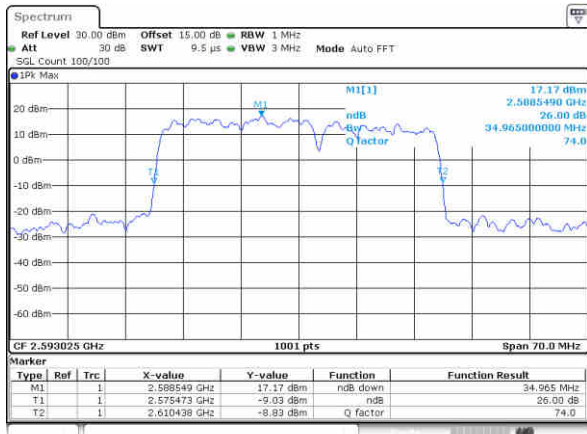
Date: 1,7AN,2020 14:20:47

Lowest Channel / 20MHz+20MHz



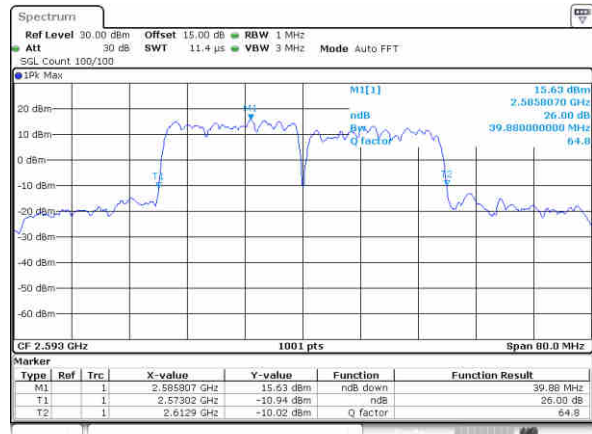
Date: 1,7AN,2020 15:37:34

Middle Channel / 20MHz+15MHz



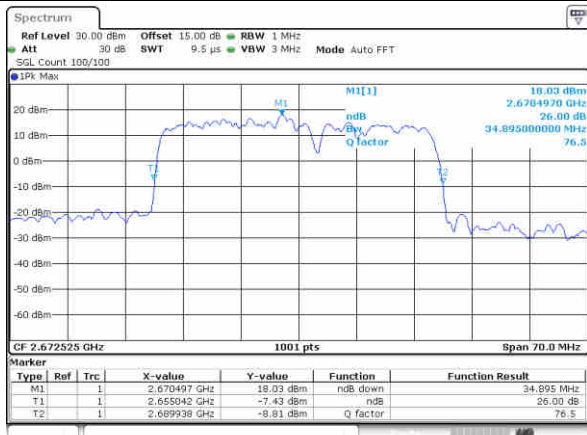
Date: 1,7AN,2020 14:25:21

Middle Channel / 20MHz+20MHz



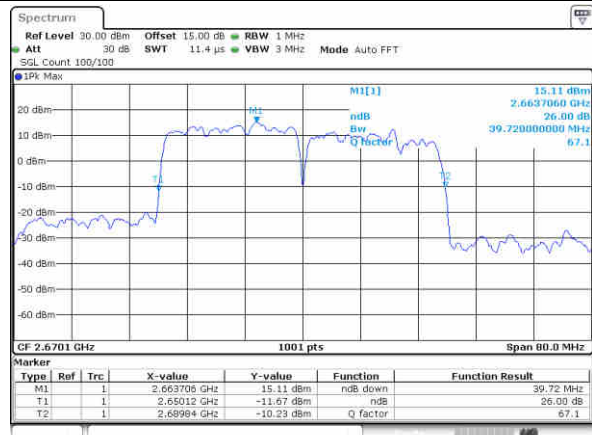
Date: 1,7AN,2020 15:40:51

Highest Channel / 20MHz+15MHz



Date: 1,7AN,2020 14:26:18

Highest Channel / 20MHz+20MHz



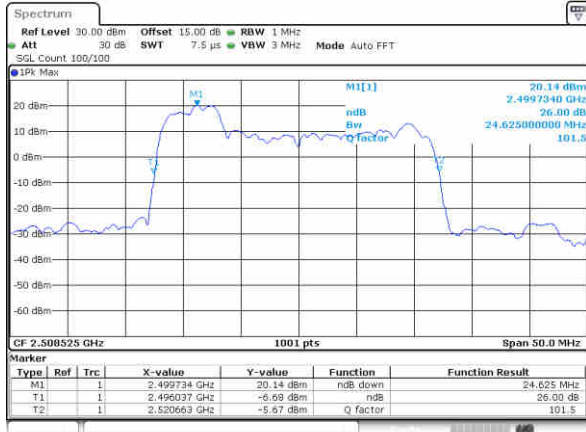
Date: 1,7AN,2020 15:42:52



LTE Band 41C

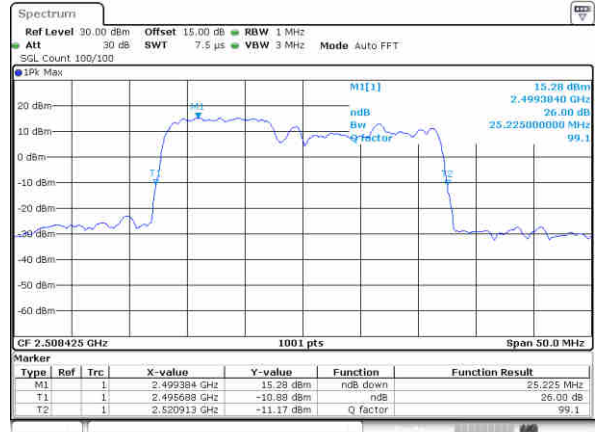
16QAM

Lowest Channel / 5MHz+20MHz



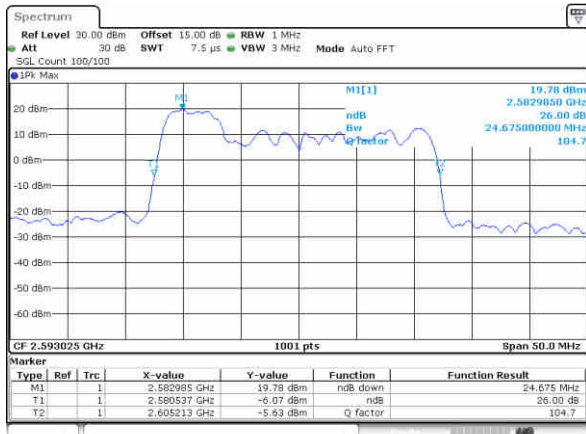
Date: 30, DEC, 2019 13:59:22

Lowest Channel / 10MHz+15MHz



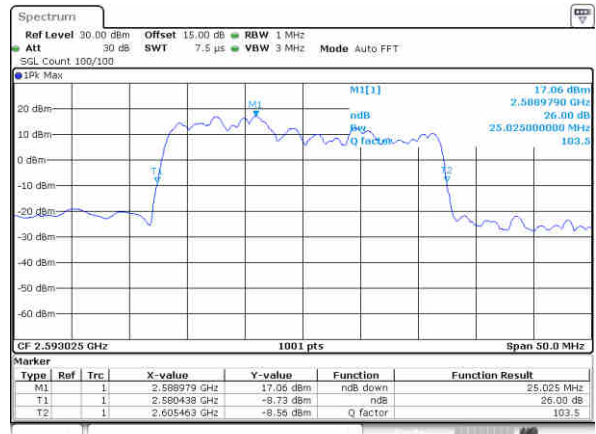
Date: 30, DEC, 2019 17:09:41

Middle Channel / 5MHz+20MHz



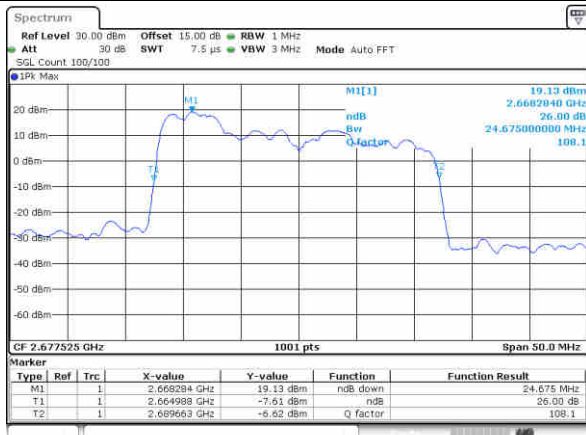
Date: 30, DEC, 2019 14:01:36

Middle Channel / 10MHz+15MHz



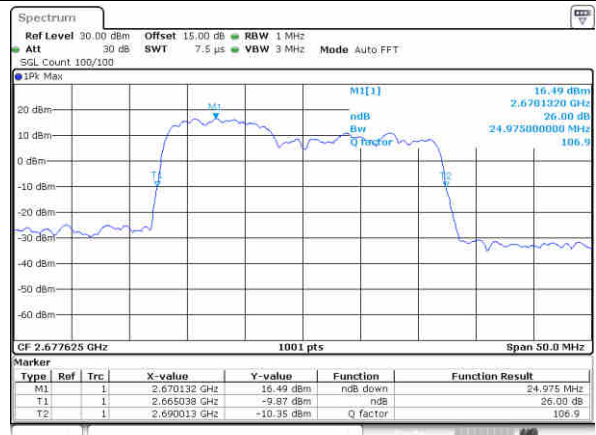
Date: 30, DEC, 2019 17:12:05

Highest Channel / 5MHz+20MHz



Date: 30, DEC, 2019 14:04:16

Highest Channel / 10MHz+15MHz



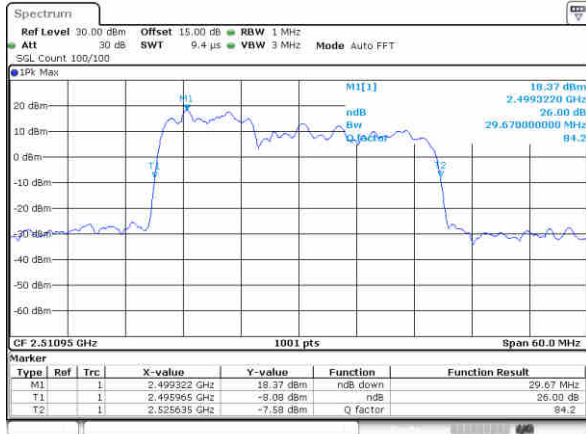
Date: 30, DEC, 2019 17:14:18



LTE Band 41C

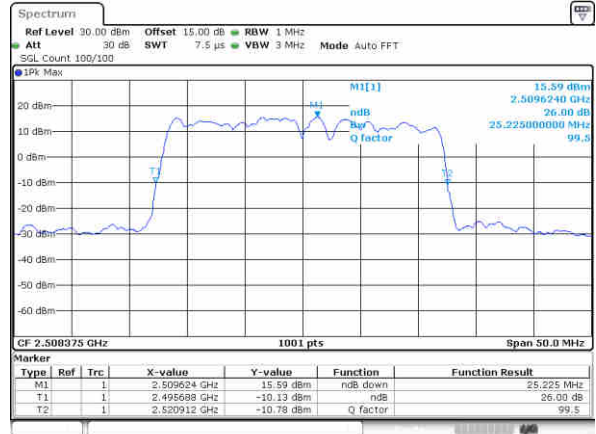
16QAM

Lowest Channel / 10MHz+20MHz



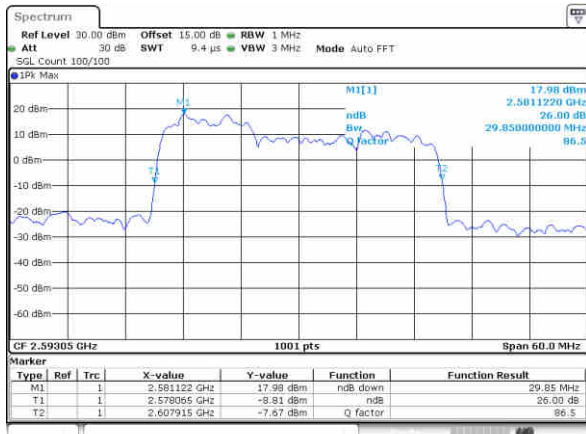
Date: 31.Dec.2019 21:24:47

Lowest Channel / 15MHz+10MHz



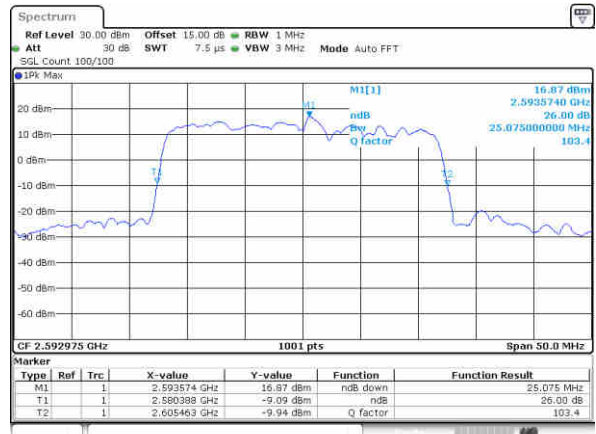
Date: 31.Dec.2019 20:18:48

Middle Channel / 10MHz+20MHz



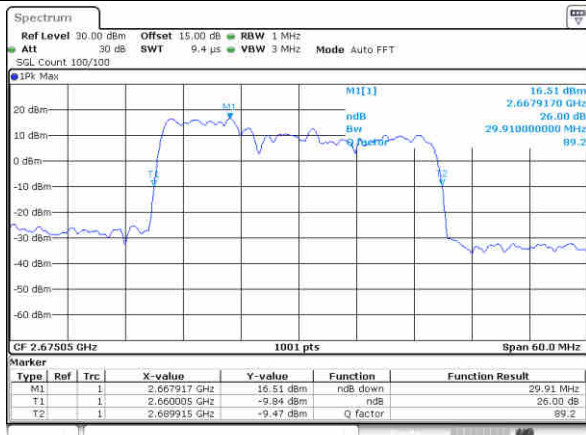
Date: 31.Dec.2019 21:27:07

Middle Channel / 15MHz+10MHz



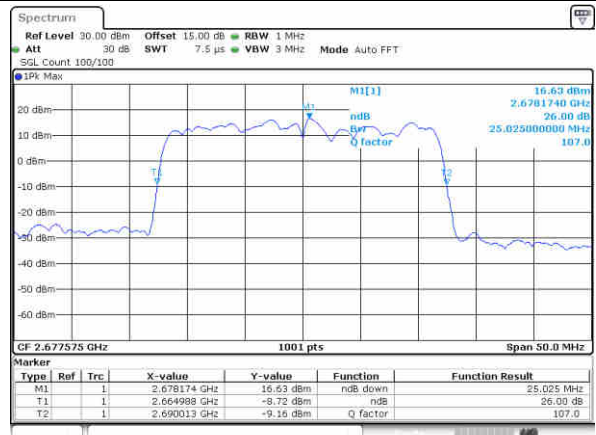
Date: 31.Dec.2019 20:25:25

Highest Channel / 10MHz+20MHz



Date: 31.Dec.2019 21:32:18

Highest Channel / 15MHz+10MHz



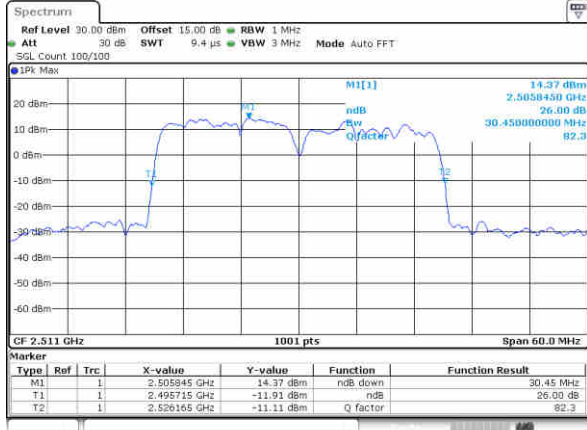
Date: 31.Dec.2019 20:26:05



LTE Band 41C

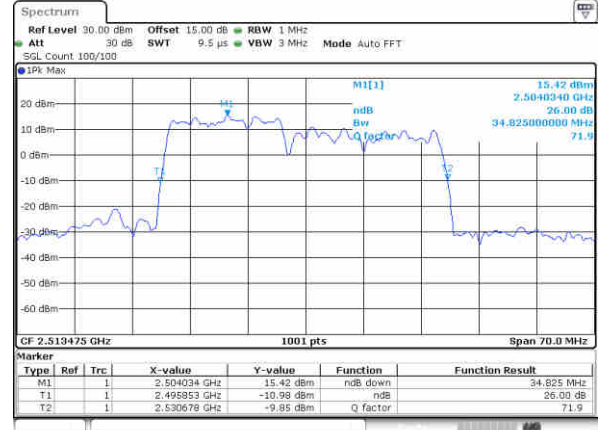
16QAM

Lowest Channel / 15MHz+15MHz



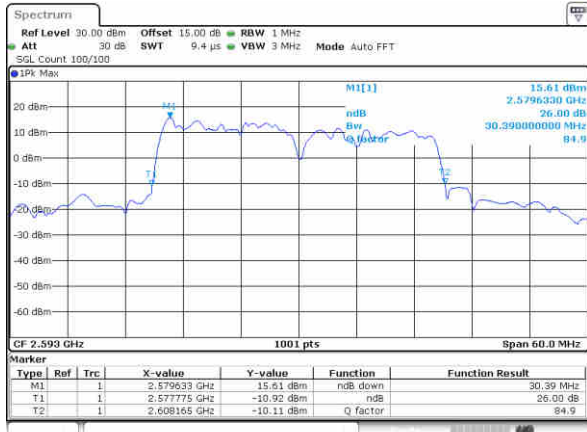
Date: 31.Dec.2019 22:42:33

Lowest Channel / 15MHz+20MHz



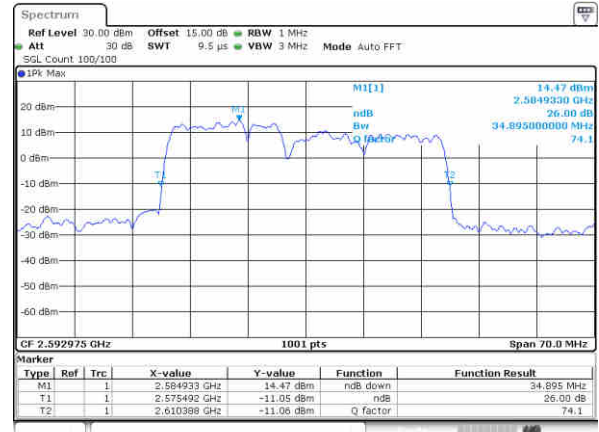
Date: 1.JAN.2020 01:57:45

Middle Channel / 15MHz+15MHz



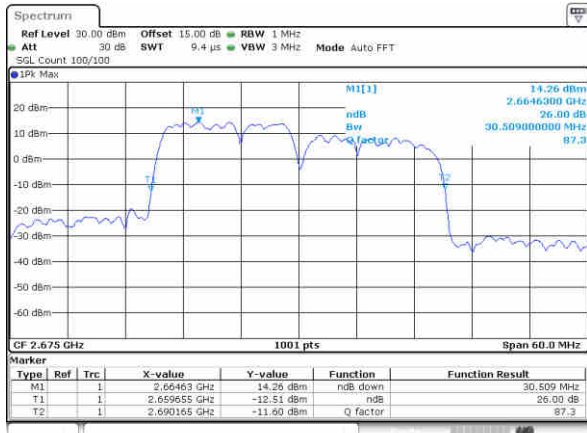
Date: 31.Dec.2019 22:44:34

Middle Channel / 15MHz+20MHz



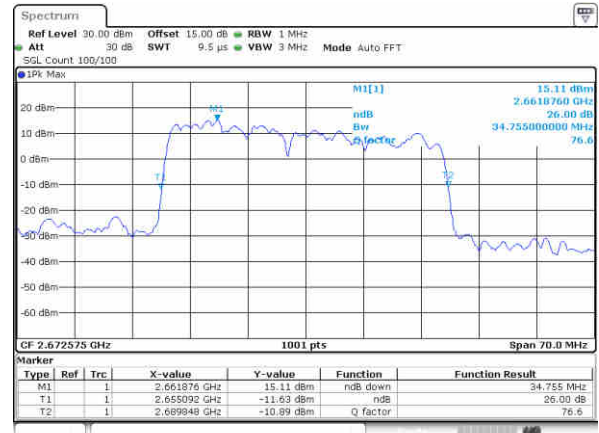
Date: 1.JAN.2020 02:01:21

Highest Channel / 15MHz+15MHz



Date: 31.Dec.2019 22:46:37

Highest Channel / 15MHz+20MHz



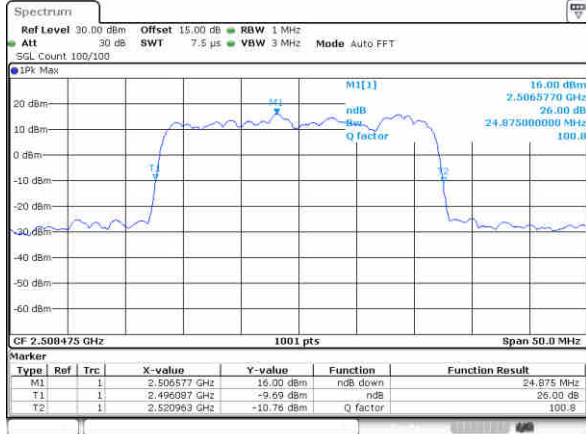
Date: 1.JAN.2020 02:03:39



LTE Band 41C

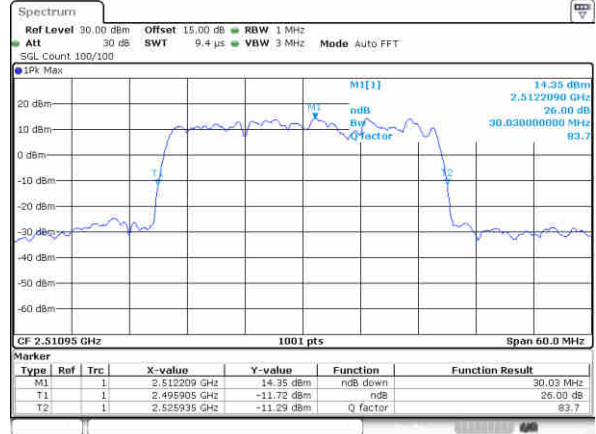
16QAM

Lowest Channel / 20MHz+5MHz



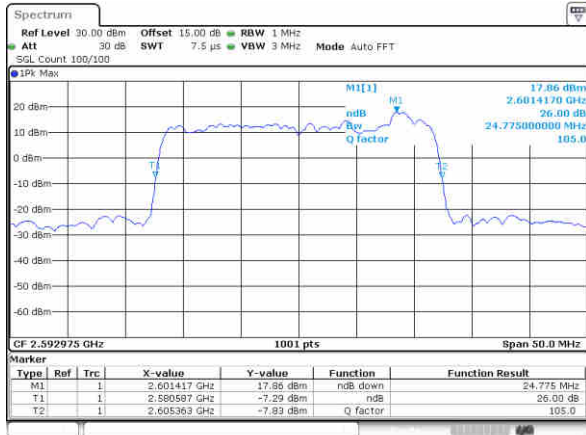
Date: 30, DEC, 2019 13:57:40

Lowest Channel / 20MHz+10MHz



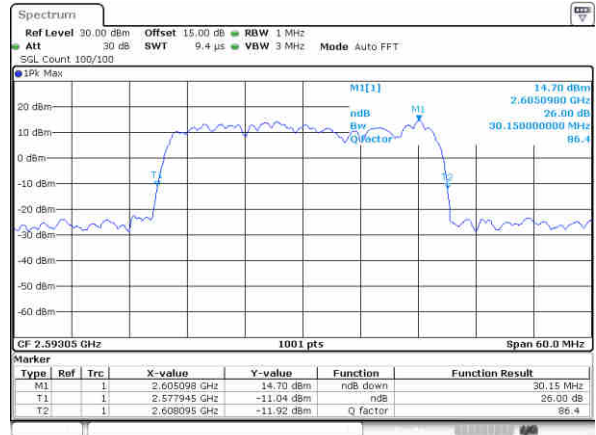
Date: 1, JAN, 2020 09:29:01

Middle Channel / 20MHz+5MHz



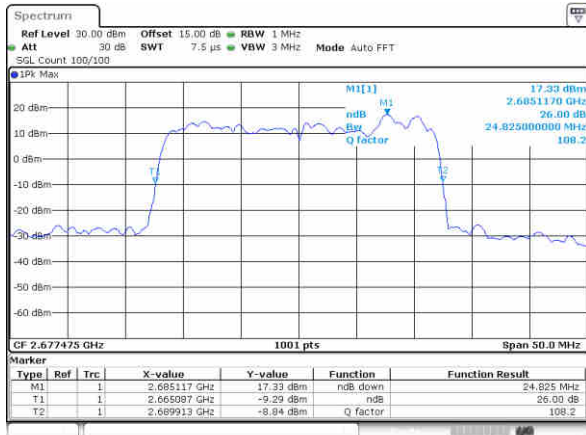
Date: 30, DEC, 2019 16:01:41

Middle Channel / 20MHz+10MHz



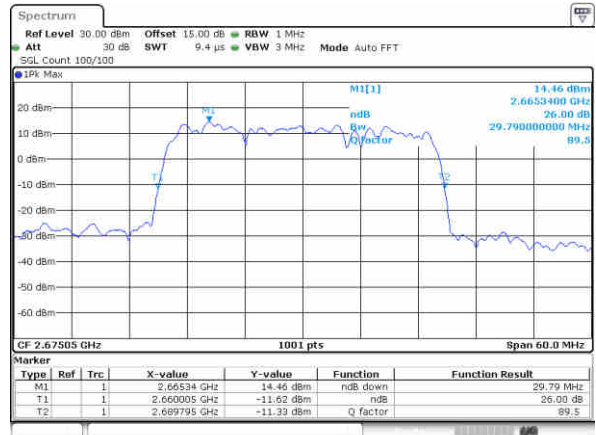
Date: 1, JAN, 2020 09:31:53

Highest Channel / 20MHz+5MHz



Date: 30, DEC, 2019 16:08:23

Highest Channel / 20MHz+10MHz



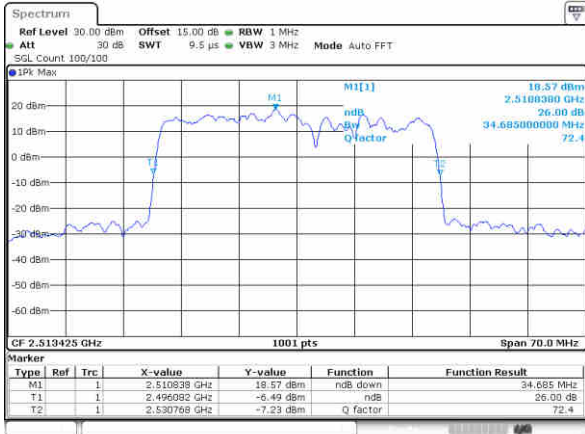
Date: 1, JAN, 2020 09:35:32



LTE Band 41C

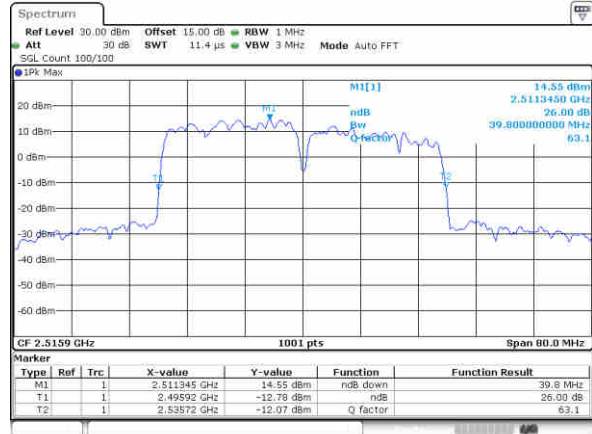
16QAM

Lowest Channel / 20MHz+15MHz



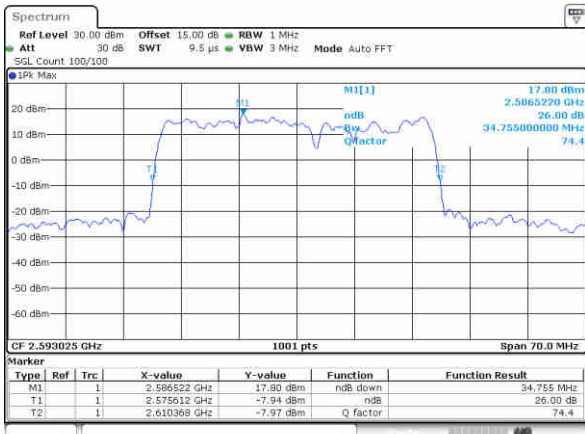
Date: 1,7AN,2020 14:21:46

Lowest Channel / 20MHz+20MHz



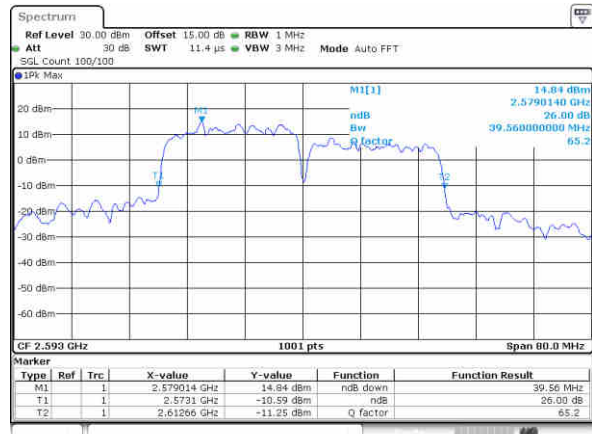
Date: 1,7AN,2020 15:38:07

Middle Channel / 20MHz+15MHz



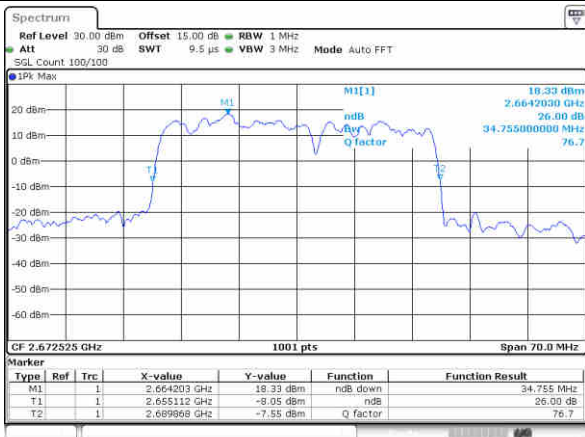
Date: 1,7AN,2020 14:24:50

Middle Channel / 20MHz+20MHz



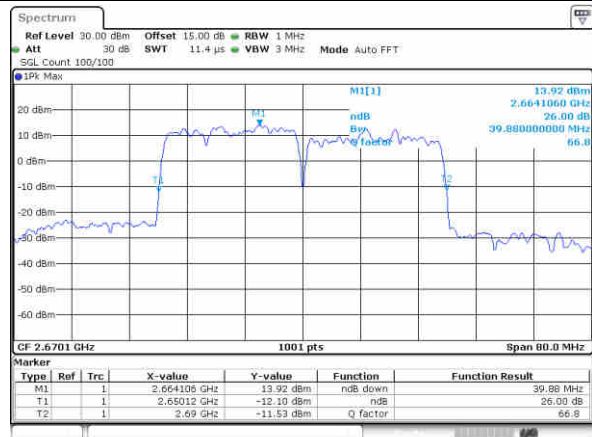
Date: 1,7AN,2020 15:40:23

Highest Channel / 20MHz+15MHz



Date: 1,7AN,2020 14:26:54

Highest Channel / 20MHz+20MHz



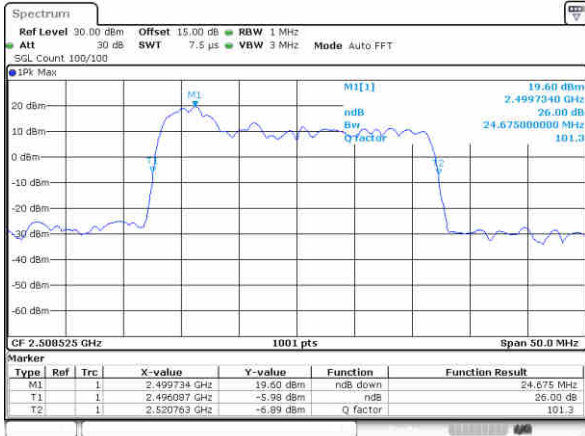
Date: 1,7AN,2020 15:43:26



LTE Band 41C

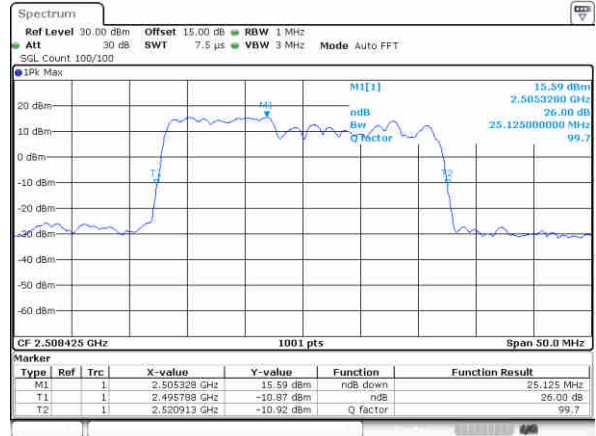
64QAM

Lowest Channel / 5MHz+20MHz



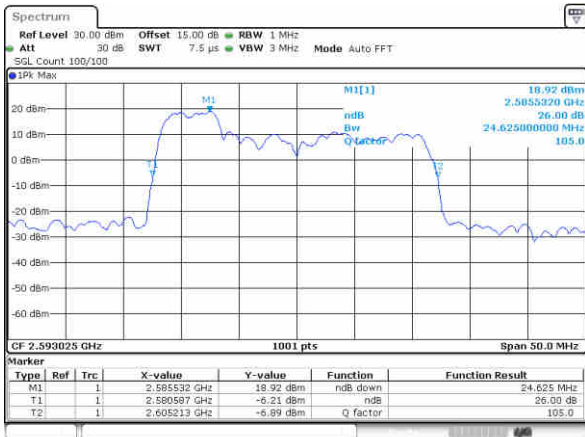
Date: 30, DEC, 2019 13:59:48

Lowest Channel / 10MHz+15MHz



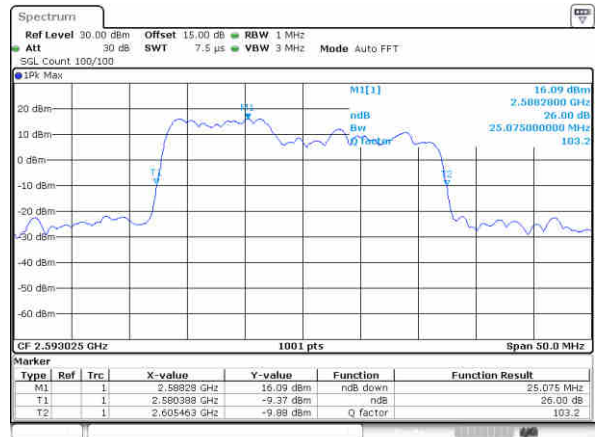
Date: 30, DEC, 2019 17:19:07

Middle Channel / 5MHz+20MHz



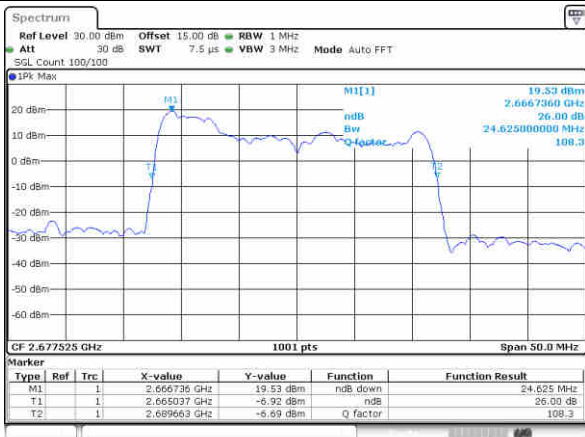
Date: 30, DEC, 2019 14:02:23

Middle Channel / 10MHz+15MHz



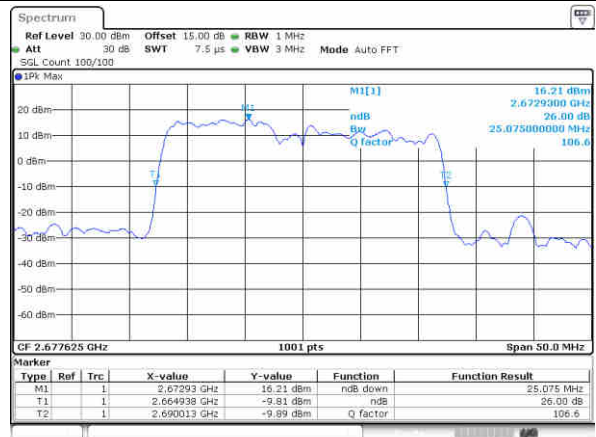
Date: 30, DEC, 2019 17:11:36

Highest Channel / 5MHz+20MHz



Date: 30, DEC, 2019 14:03:34

Highest Channel / 10MHz+15MHz



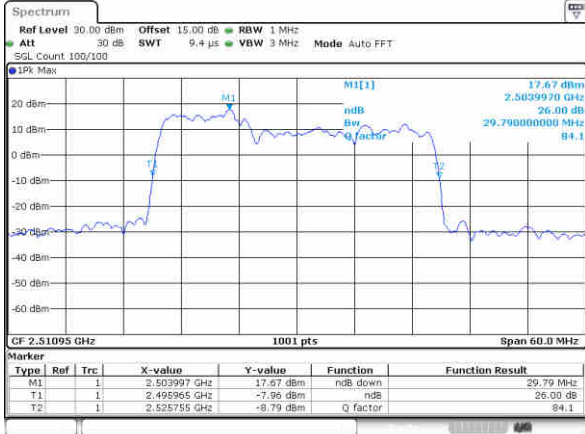
Date: 30, DEC, 2019 17:14:48



LTE Band 41C

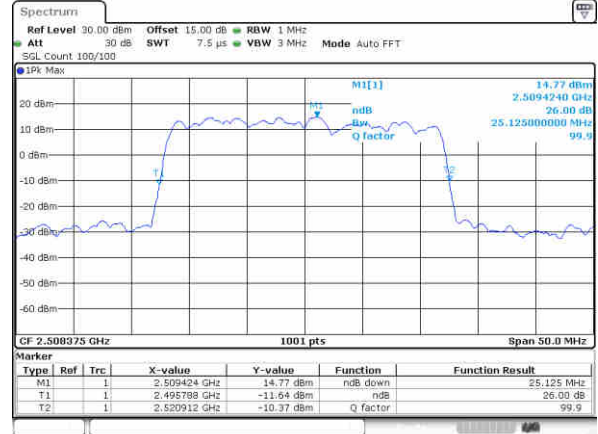
64QAM

Lowest Channel / 10MHz+20MHz



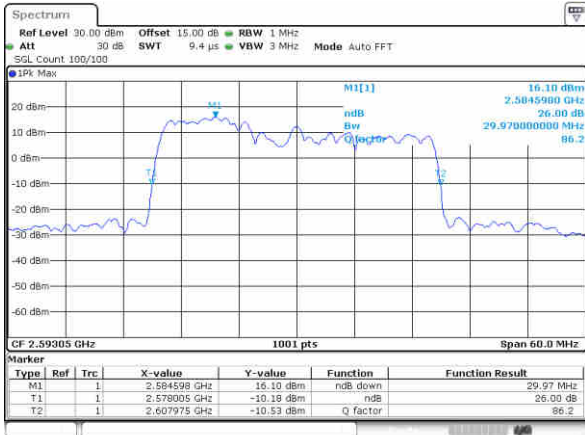
Date: 31.Dec.2019 21:25:17

Lowest Channel / 15MHz+10MHz



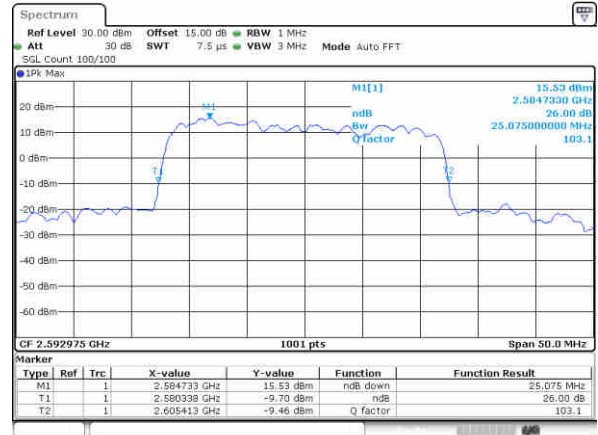
Date: 31.Dec.2019 20:29:34

Middle Channel / 10MHz+20MHz



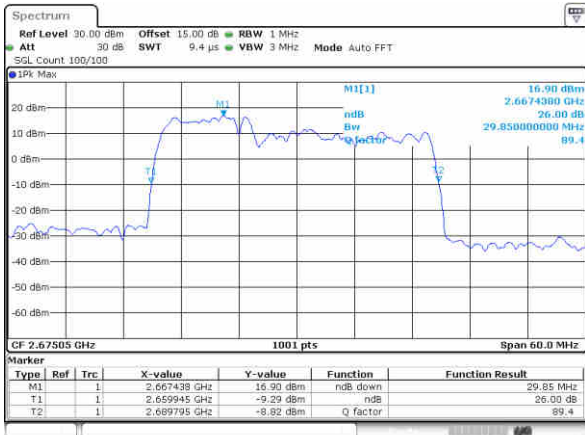
Date: 31.Dec.2019 21:26:32

Middle Channel / 15MHz+10MHz



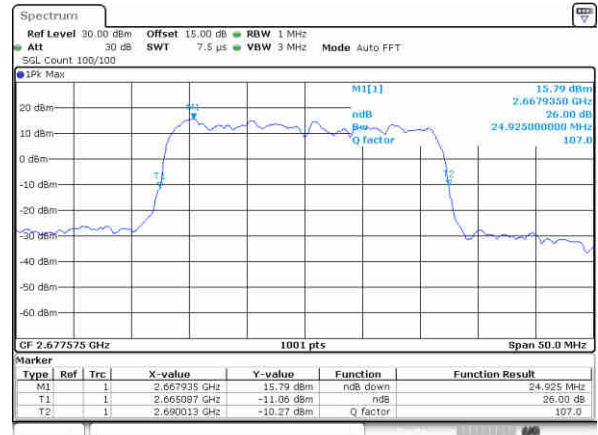
Date: 31.Dec.2019 20:22:53

Highest Channel / 10MHz+20MHz



Date: 31.Dec.2019 21:32:32

Highest Channel / 15MHz+10MHz



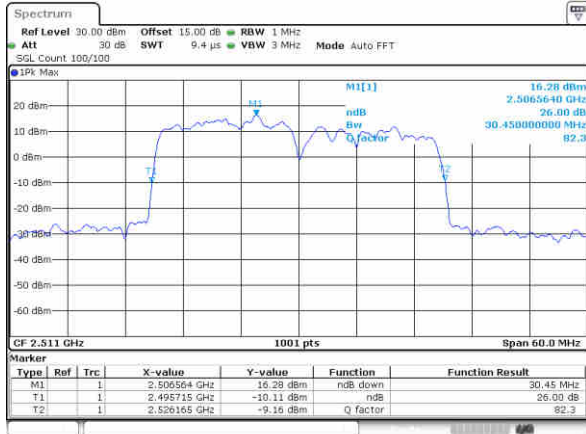
Date: 31.Dec.2019 20:26:32



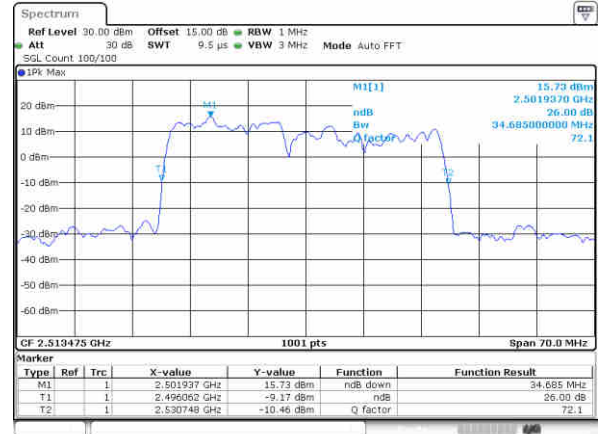
LTE Band 41C

64QAM

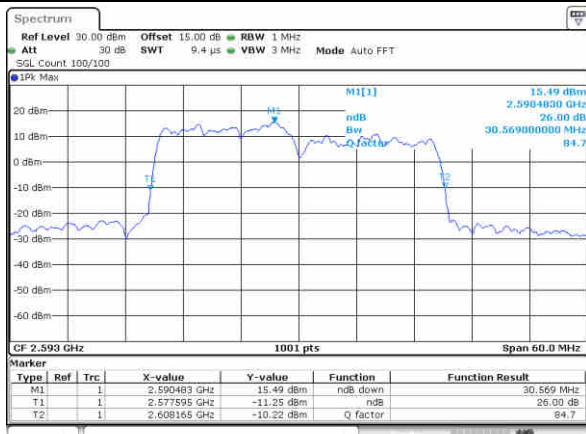
Lowest Channel / 15MHz+15MHz



Lowest Channel / 15MHz+20MHz



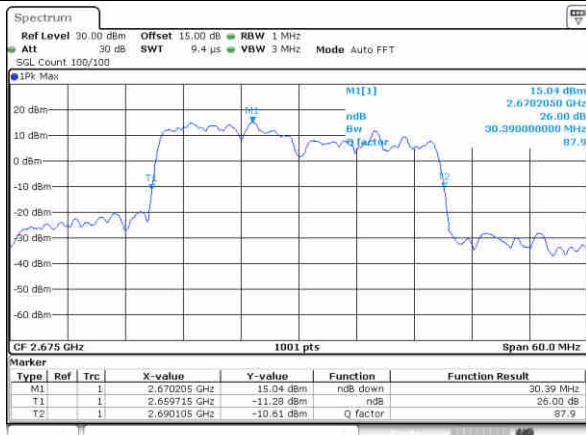
Middle Channel / 15MHz+15MHz



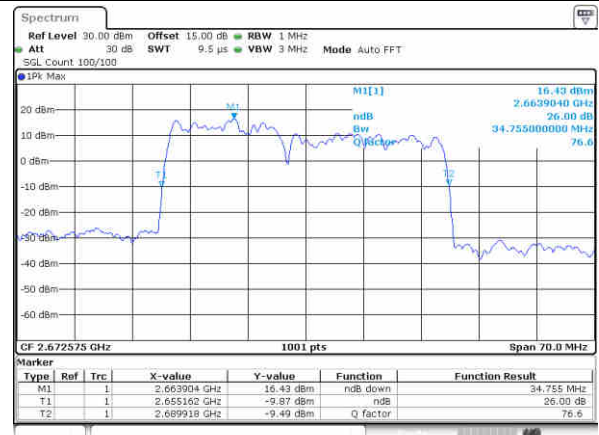
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

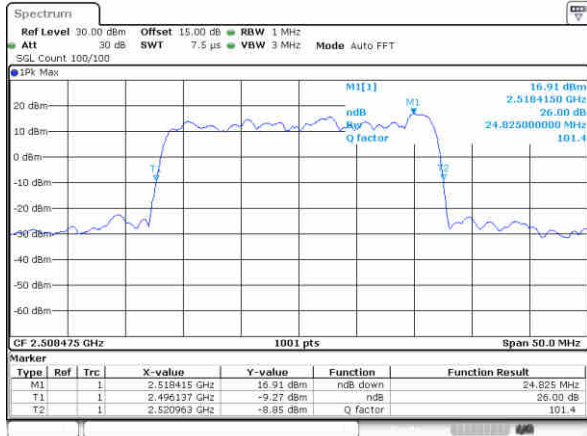




LTE Band 41C

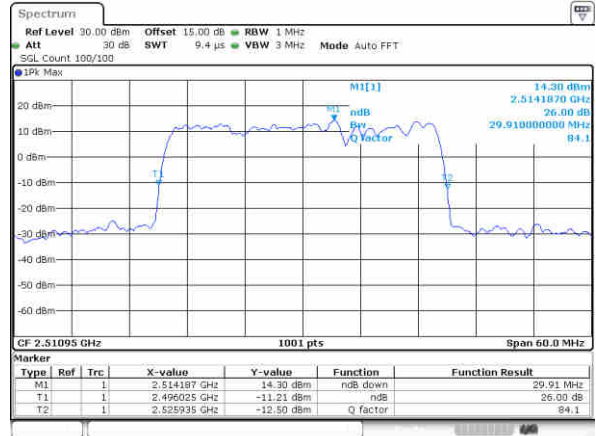
64QAM

Lowest Channel / 20MHz+5MHz



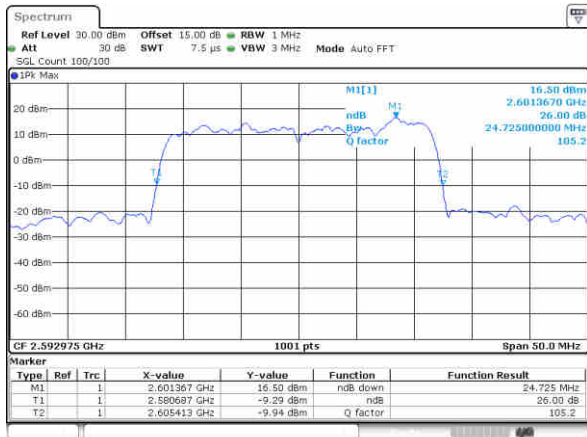
Date: 30, DEC, 2019 13:58:14

Lowest Channel / 20MHz+10MHz



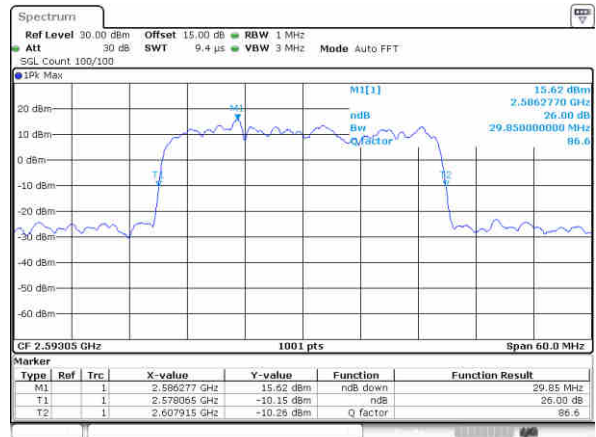
Date: 1, JAN, 2020 09:29:56

Middle Channel / 20MHz+5MHz



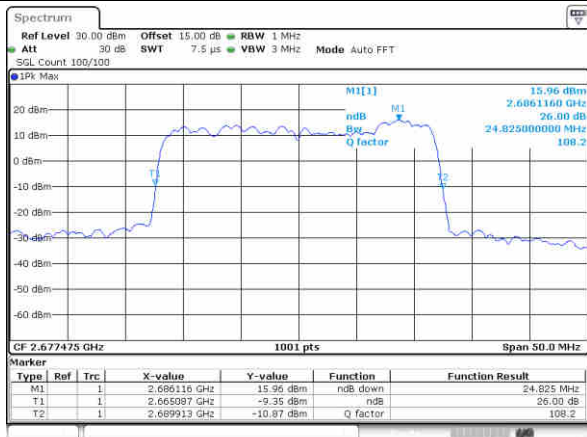
Date: 30, DEC, 2019 16:01:16

Middle Channel / 20MHz+10MHz



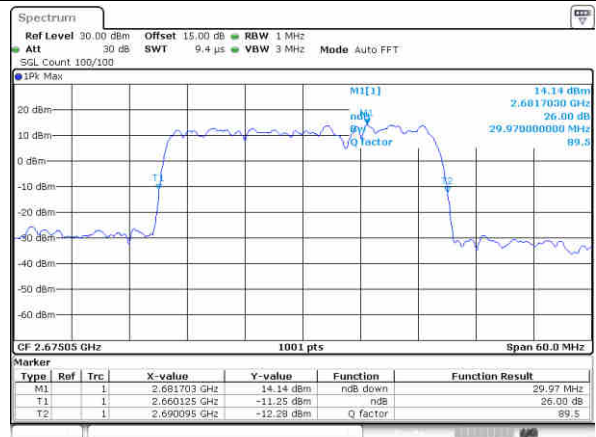
Date: 1, JAN, 2020 09:23:25

Highest Channel / 20MHz+5MHz



Date: 30, DEC, 2019 16:09:06

Highest Channel / 20MHz+10MHz



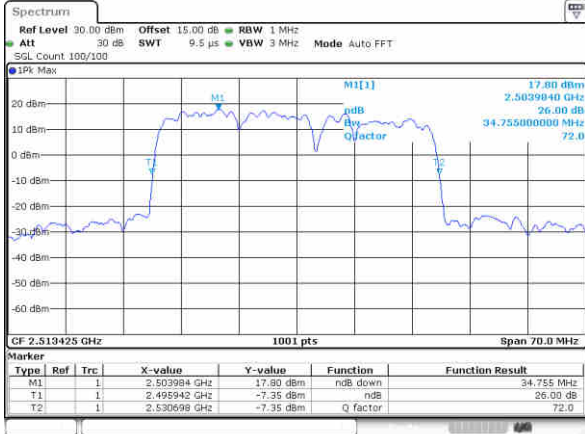
Date: 1, JAN, 2020 09:35:54



LTE Band 41C

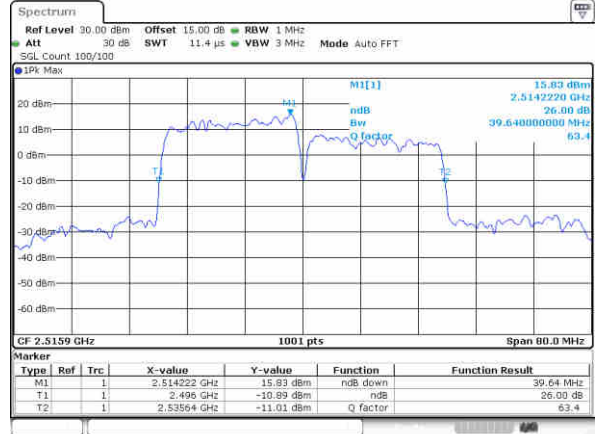
64QAM

Lowest Channel / 20MHz+15MHz



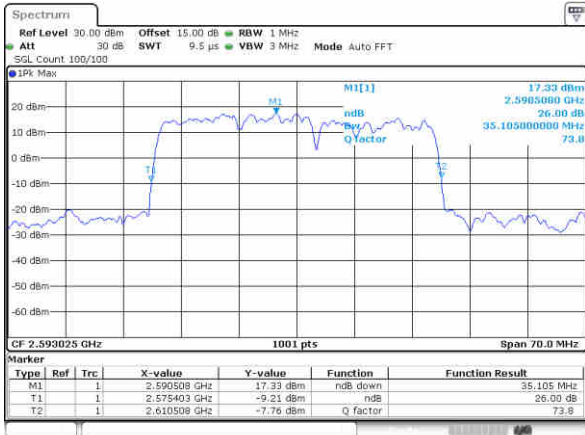
Date: 1,7AN,2020 14:22:15

Lowest Channel / 20MHz+20MHz



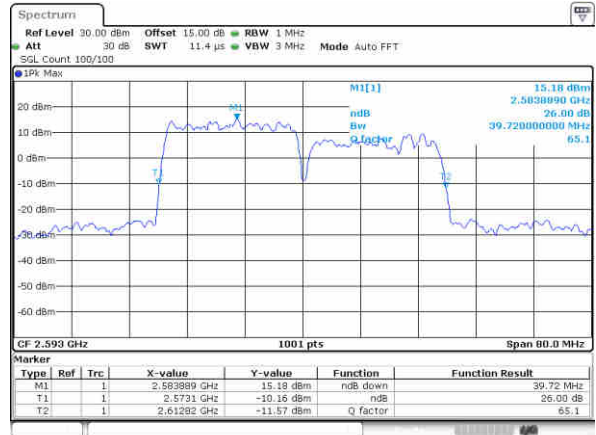
Date: 1,7AN,2020 15:38:44

Middle Channel / 20MHz+15MHz



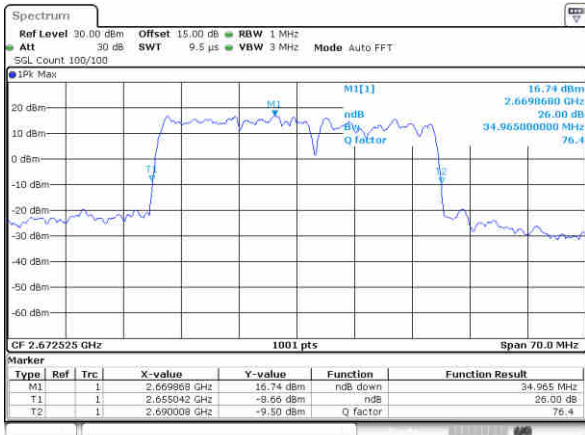
Date: 1,7AN,2020 14:22:09

Middle Channel / 20MHz+20MHz



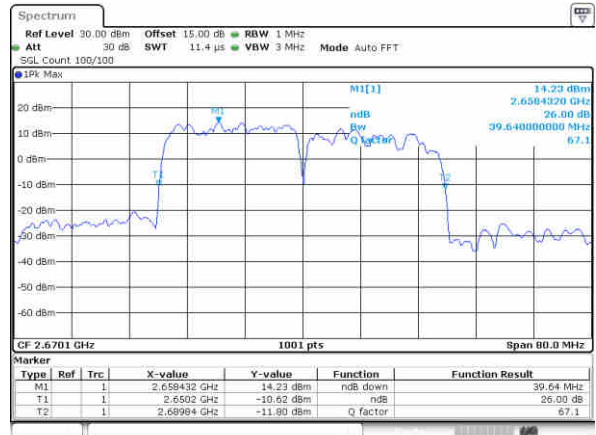
Date: 1,7AN,2020 15:39:43

Highest Channel / 20MHz+15MHz



Date: 1,7AN,2020 14:27:21

Highest Channel / 20MHz+20MHz



Date: 1,7AN,2020 15:43:57



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.13	23.48	27.69	23.28	28.47
Middle CH	23.18	23.43	27.99	23.18	28.53
Highest CH	23.08	23.13	27.69	23.53	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	33.08	22.93	28.05	32.87	37.80
Middle CH	32.80	23.18	27.87	32.52	37.72
Highest CH	32.66	23.28	27.93	32.59	37.72

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.28	23.28	28.11	23.23	28.47
Middle CH	23.18	23.23	27.93	23.18	28.77
Highest CH	22.98	23.63	27.81	23.33	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.94	23.03	27.81	32.80	37.48
Middle CH	32.66	23.23	28.17	32.38	37.56
Highest CH	32.80	23.08	27.99	32.52	37.72

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.23	23.38	27.75	23.23	28.53
Middle CH	23.13	23.28	27.75	23.13	28.65
Highest CH	23.18	23.13	27.45	23.38	28.41
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.28	27.99	32.73	37.48
Middle CH	32.73	23.18	27.93	32.80	37.32
Highest CH	32.94	23.28	27.75	32.52	37.88