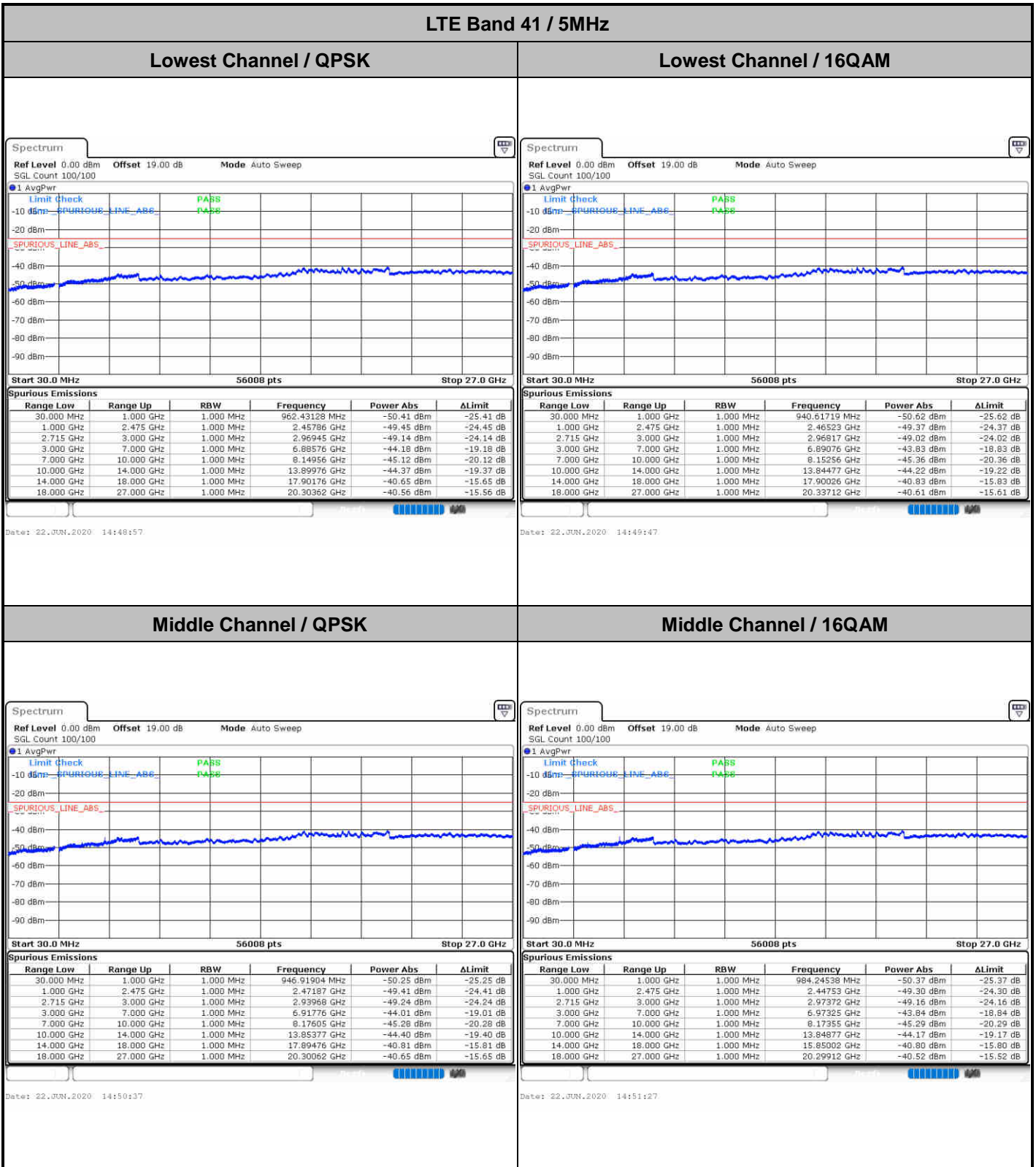




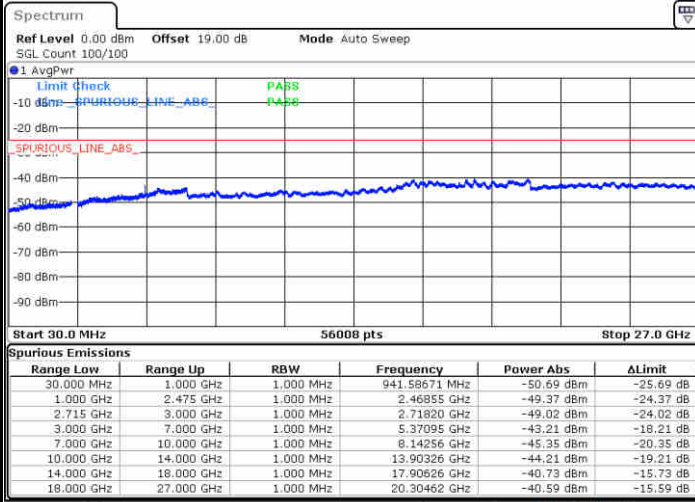
Conducted Spurious Emission





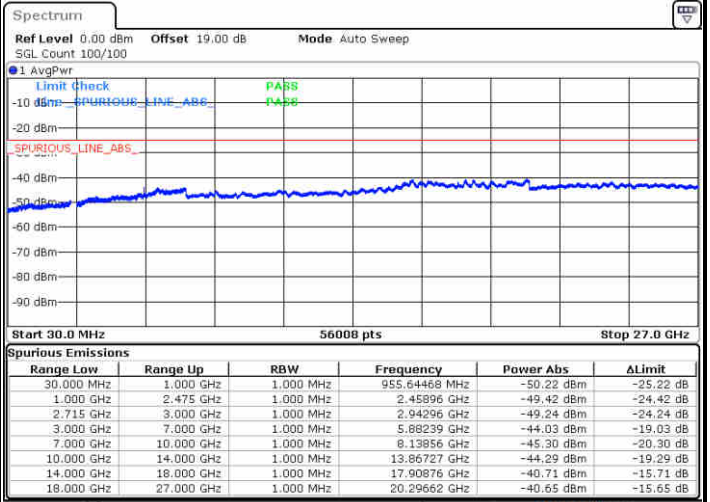
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 22.JUN.2020 14:52:17

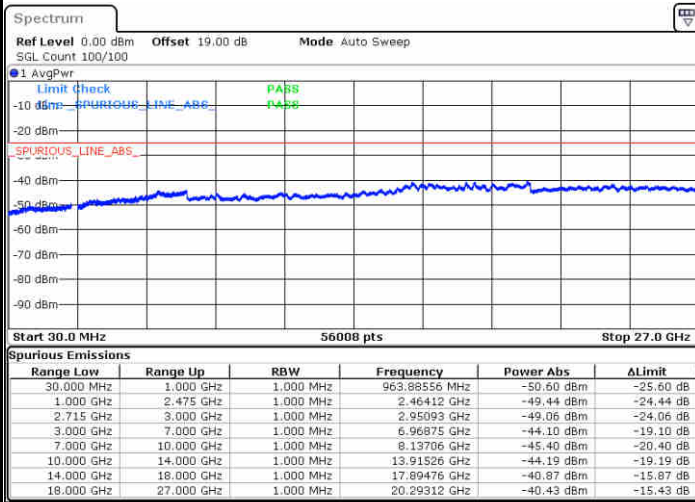
Highest Channel / 16QAM



Date: 22.JUN.2020 14:53:07

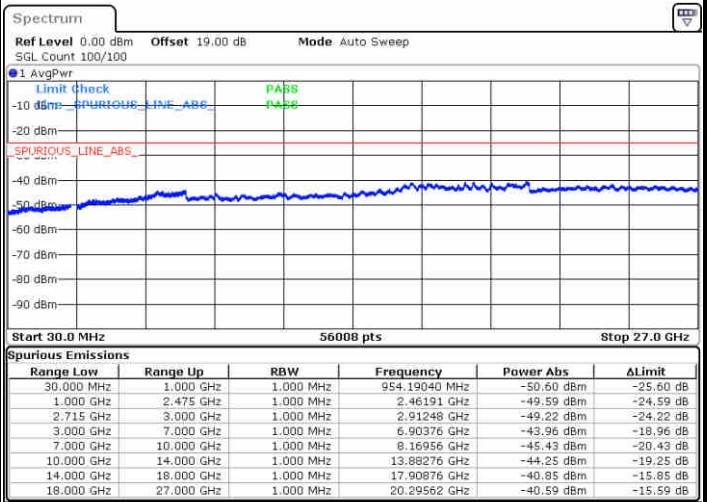
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 22.JUN.2020 14:58:57

Lowest Channel / 16QAM



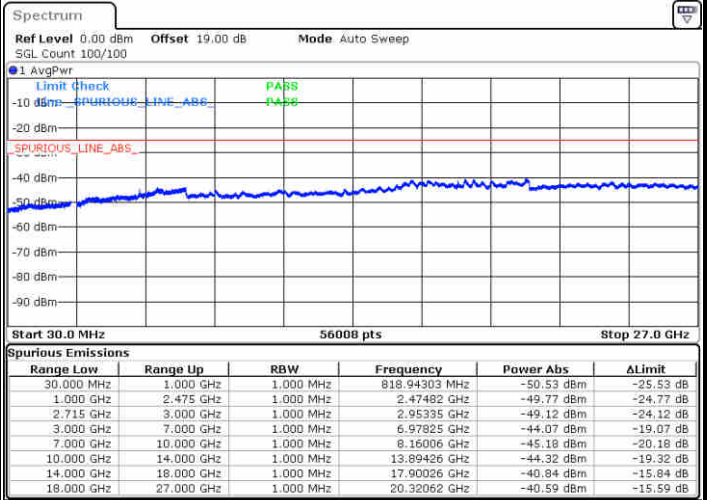
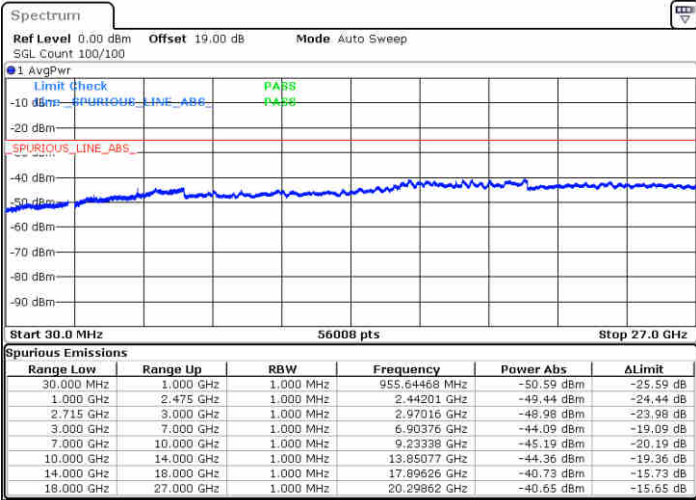
Date: 22.JUN.2020 14:59:47



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

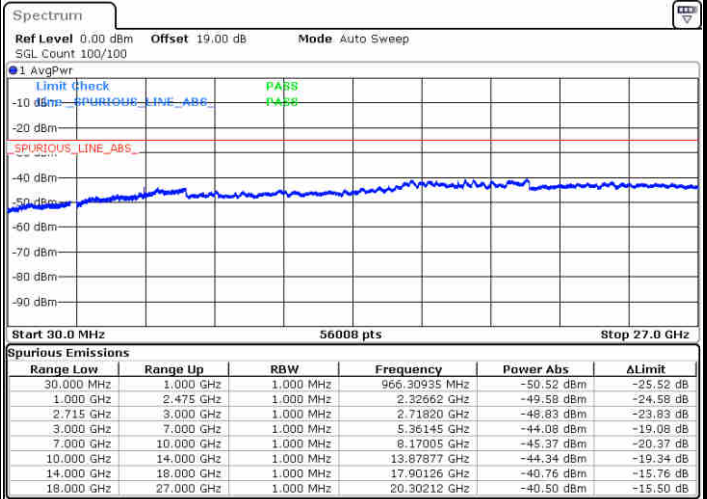
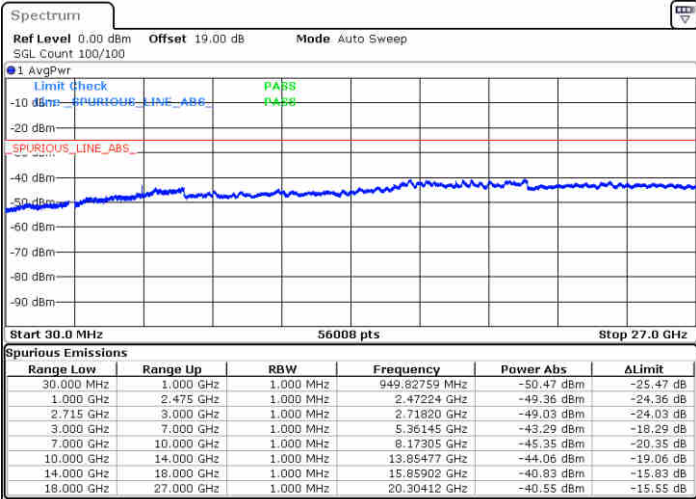


Date: 22 JUN 2020 15:00:37

Date: 22 JUN 2020 15:01:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 JUN 2020 15:02:17

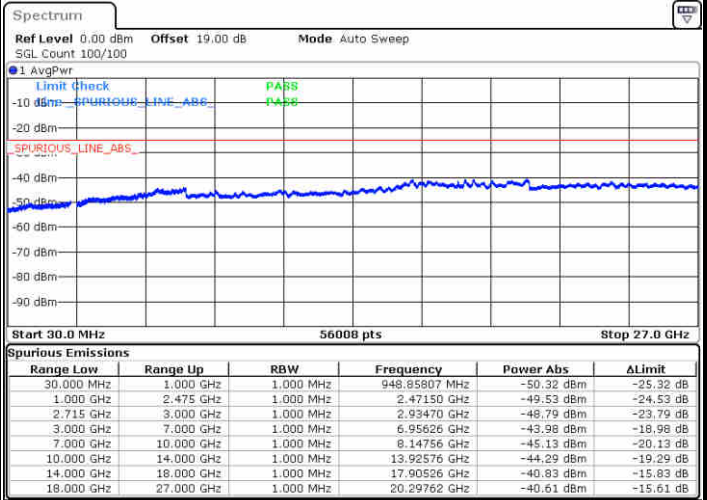
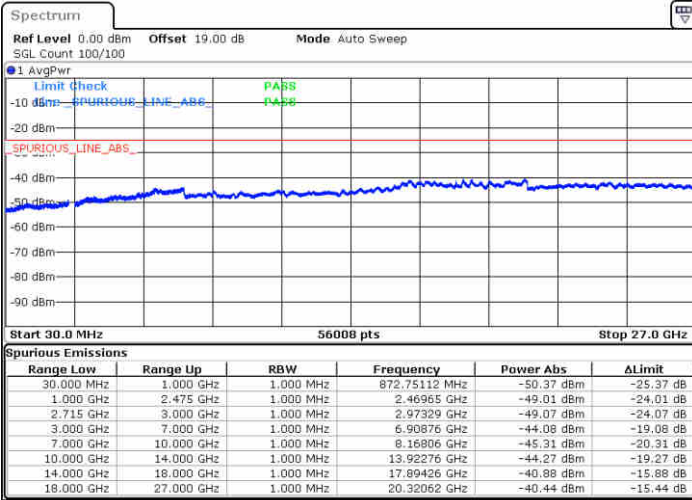
Date: 22 JUN 2020 15:03:06



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

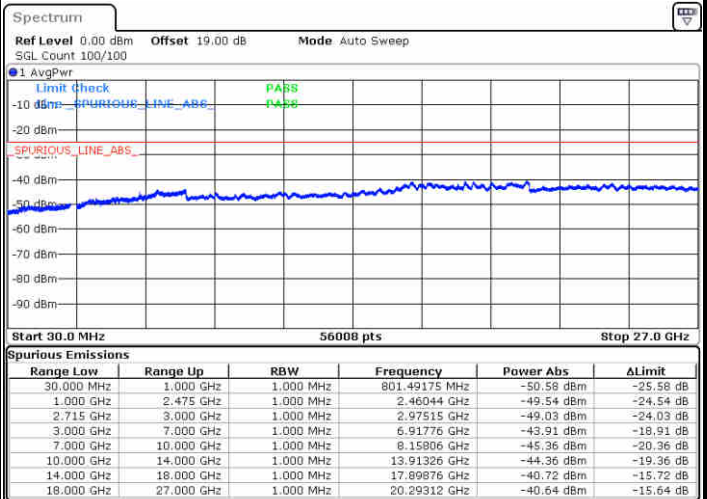
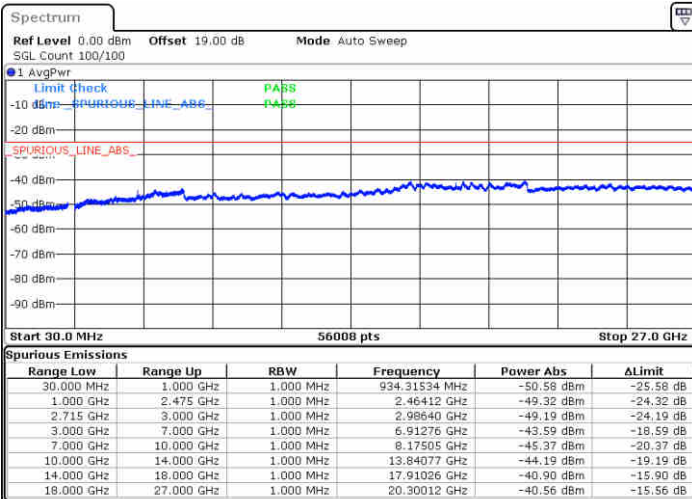


Date: 22 JUN 2020 15:03:56

Date: 22 JUN 2020 15:04:46

Middle Channel / QPSK

Middle Channel / 16QAM



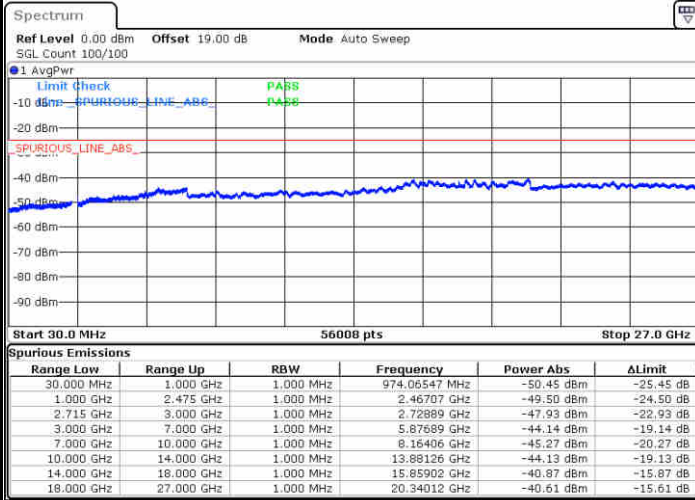
Date: 22 JUN 2020 15:05:36

Date: 22 JUN 2020 15:06:26



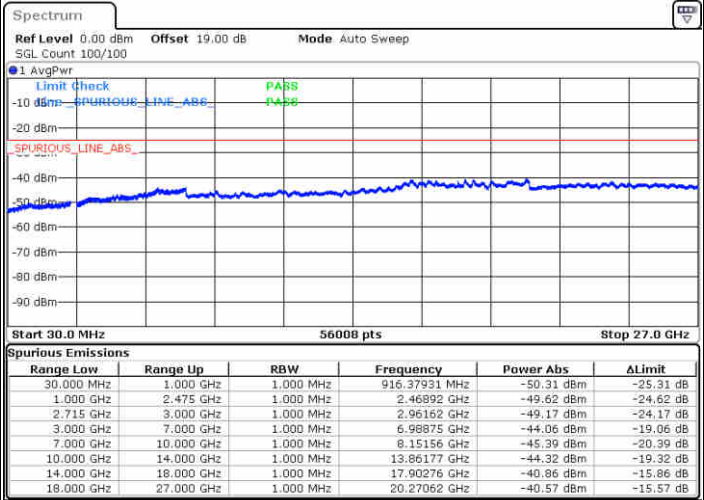
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 22 JUN. 2020 15:07:16

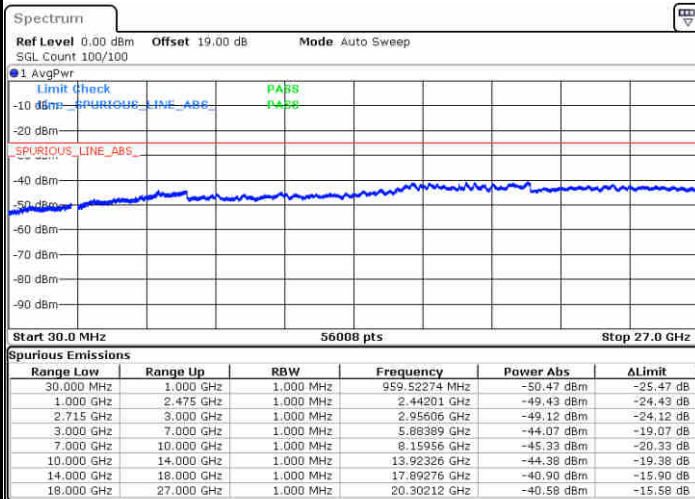
Highest Channel / 16QAM



Date: 22 JUN. 2020 15:08:06

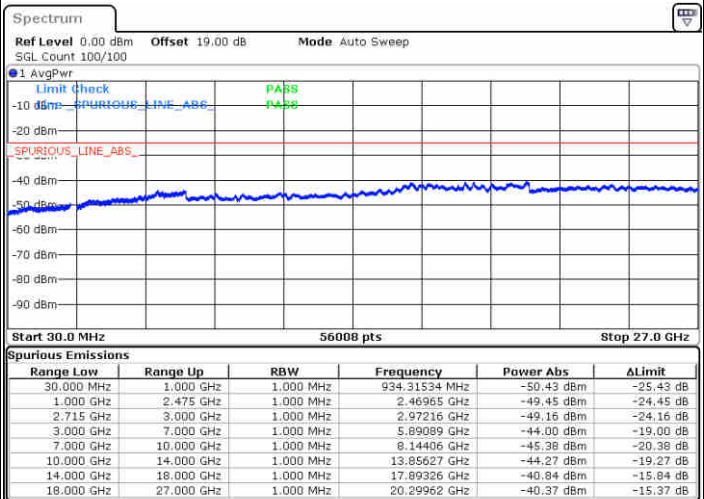
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 22 JUN. 2020 15:11:26

Lowest Channel / 16QAM

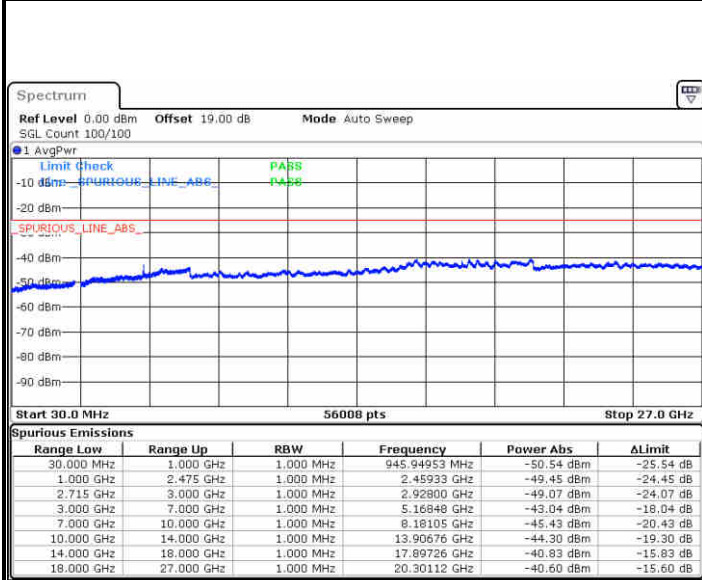


Date: 22 JUN. 2020 15:12:16



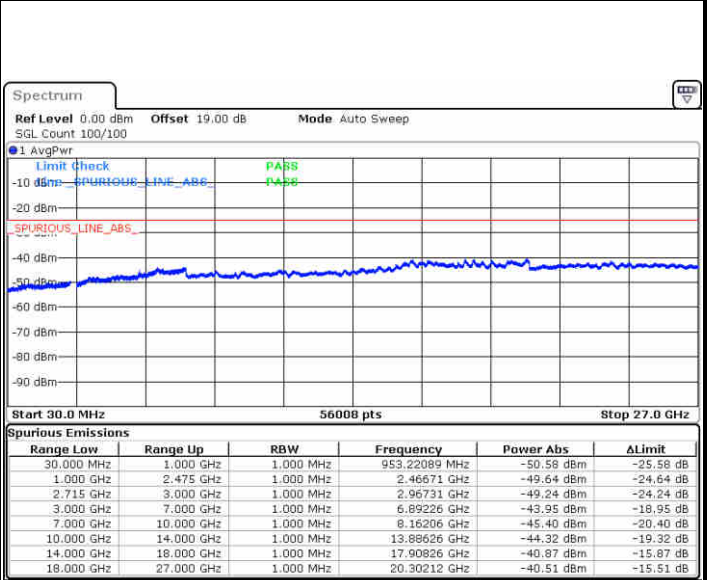
LTE Band 41 / 20MHz

Middle Channel / QPSK



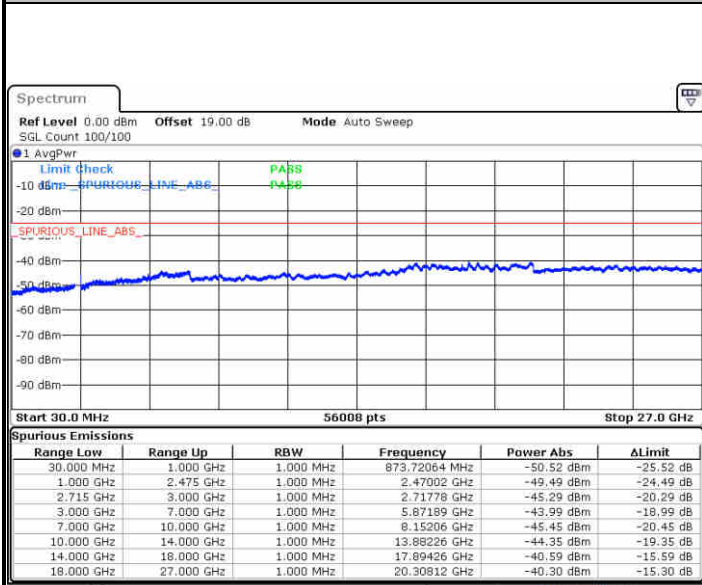
Date: 22 JUN 2020 15:13:06

Middle Channel / 16QAM



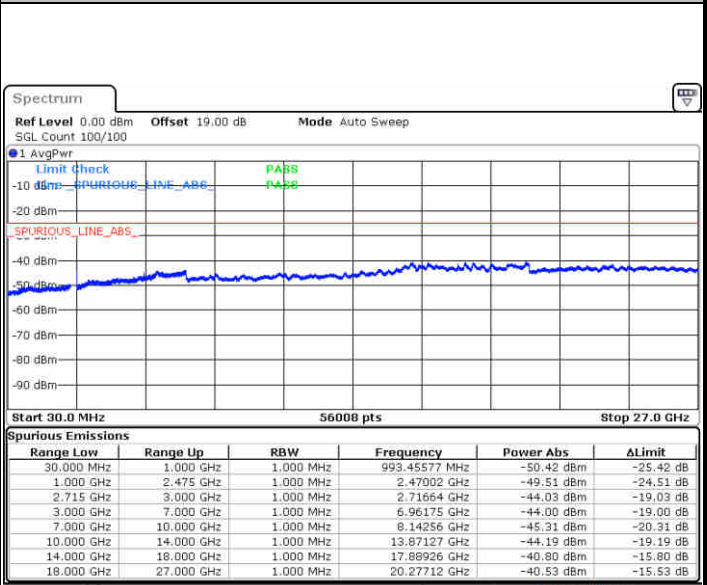
Date: 22 JUN 2020 15:13:56

Highest Channel / QPSK



Date: 22 JUN 2020 15:14:46

Highest Channel / 16QAM



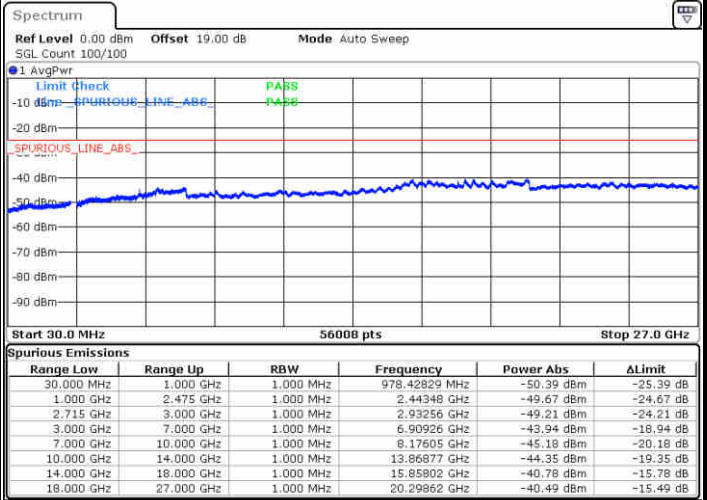
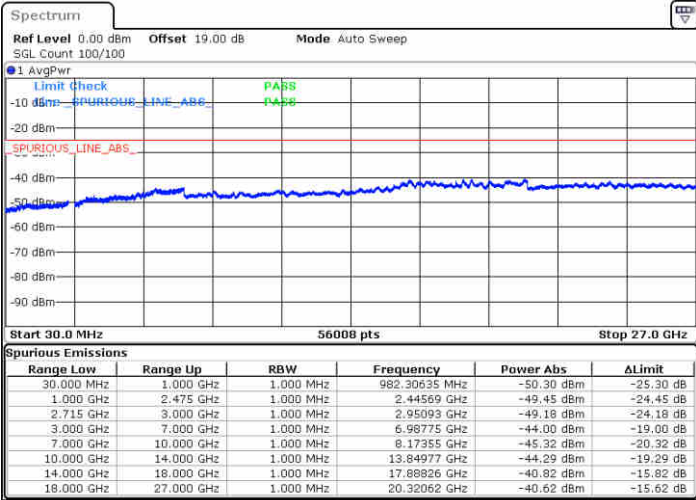
Date: 22 JUN 2020 15:15:36



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

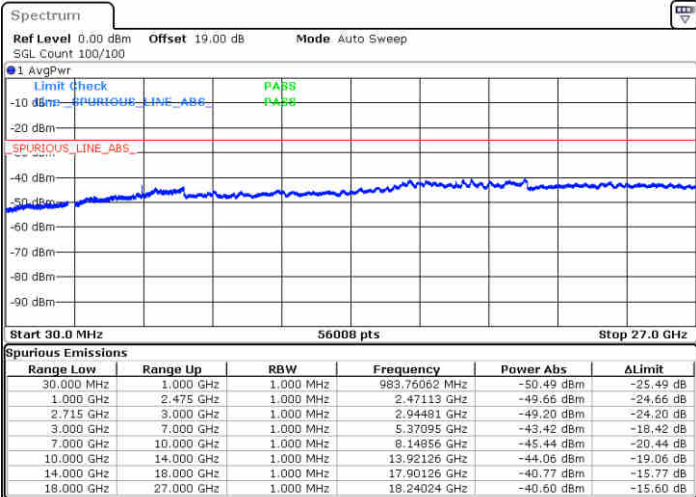
Middle Channel / 64QAM



Date: 22.JUN.2020 14:53:57

Date: 22.JUN.2020 14:54:47

Highest Channel / 64QAM



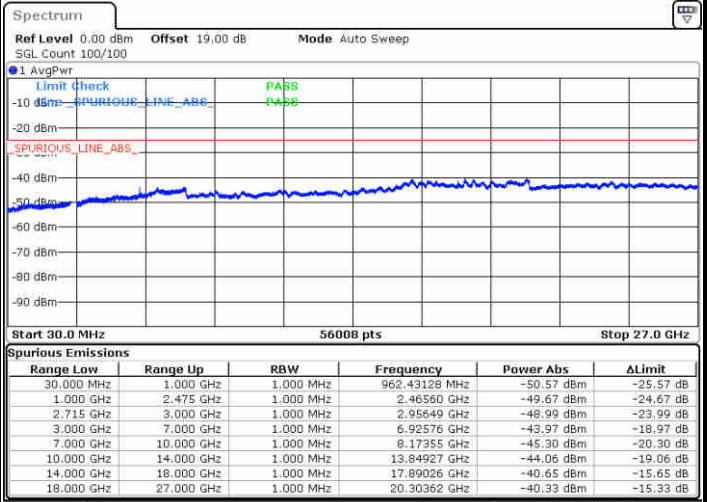
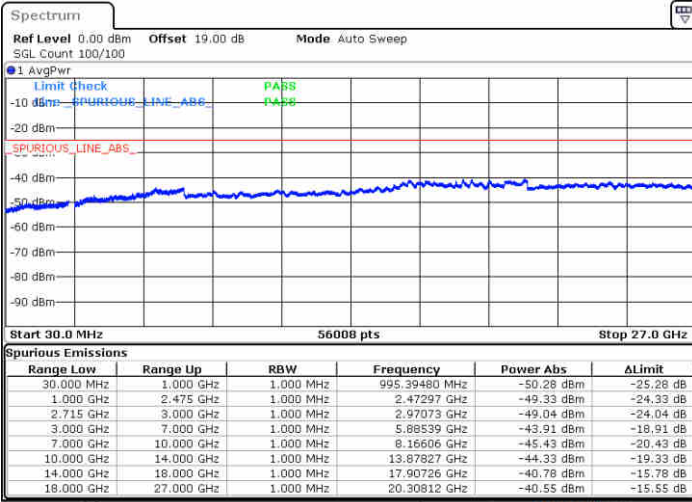
Date: 22.JUN.2020 14:55:37



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

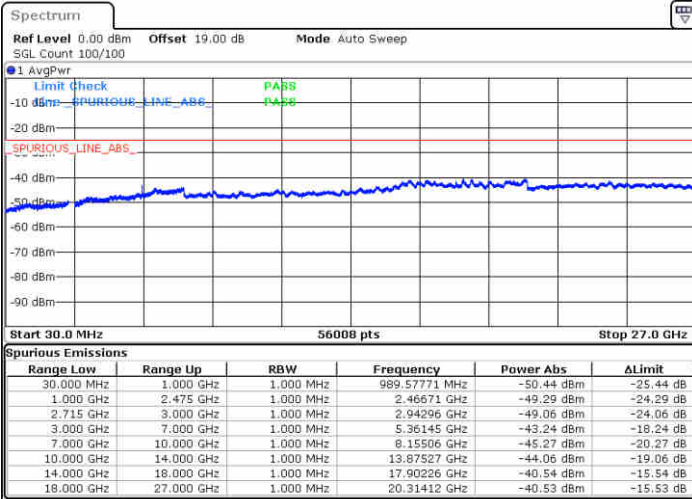
Middle Channel / 64QAM



Date: 22.JUN.2020 14:56:27

Date: 22.JUN.2020 14:57:17

Highest Channel / 64QAM



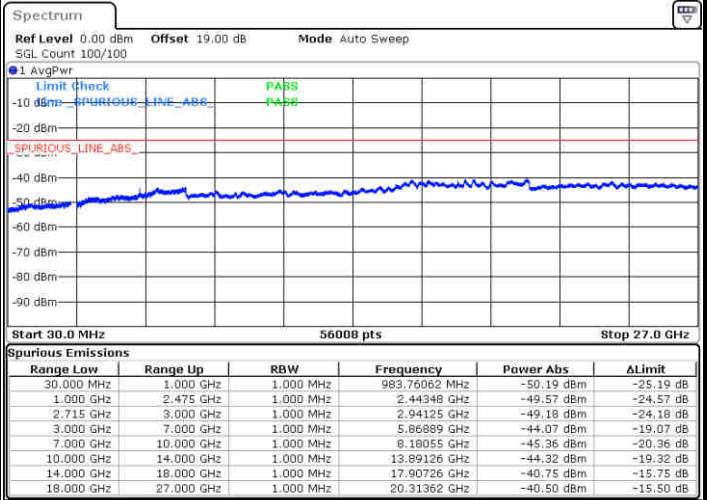
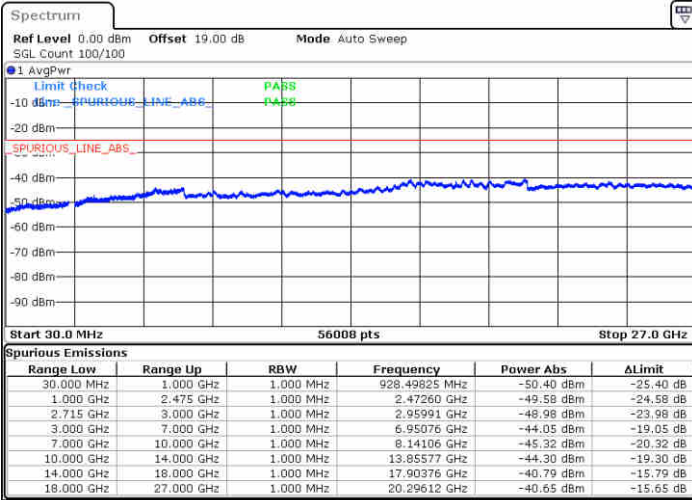
Date: 22.JUN.2020 14:58:07



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

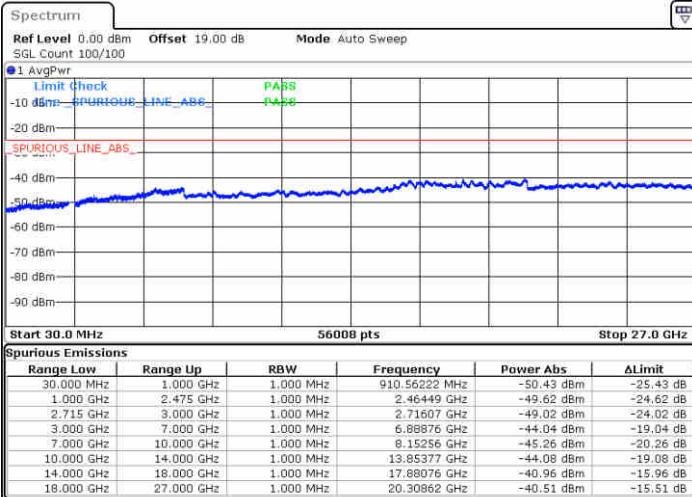
Middle Channel / 64QAM



Date: 22.JUN.2020 15:08:56

Date: 22.JUN.2020 15:09:46

Highest Channel / 64QAM



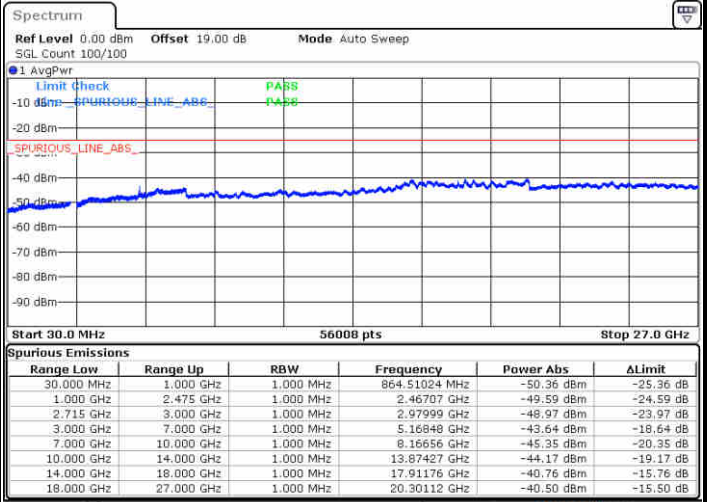
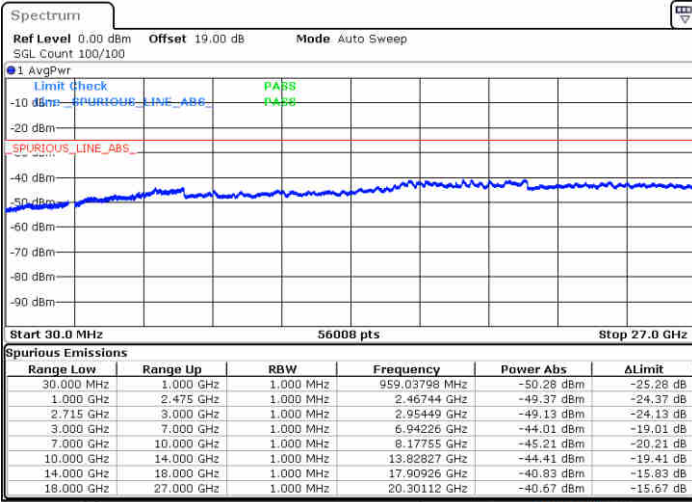
Date: 22.JUN.2020 15:10:36



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

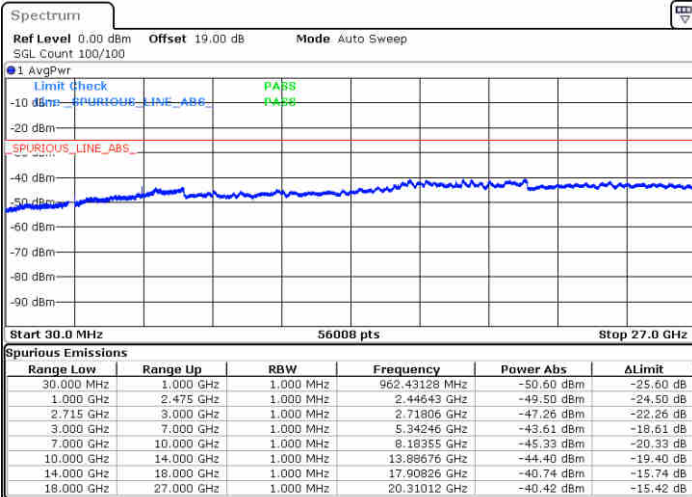
Middle Channel / 64QAM



Date: 22.JUN.2020 15:16:26

Date: 22.JUN.2020 15:17:15

Highest Channel / 64QAM



Date: 22.JUN.2020 15:18:05



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	0.0012	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



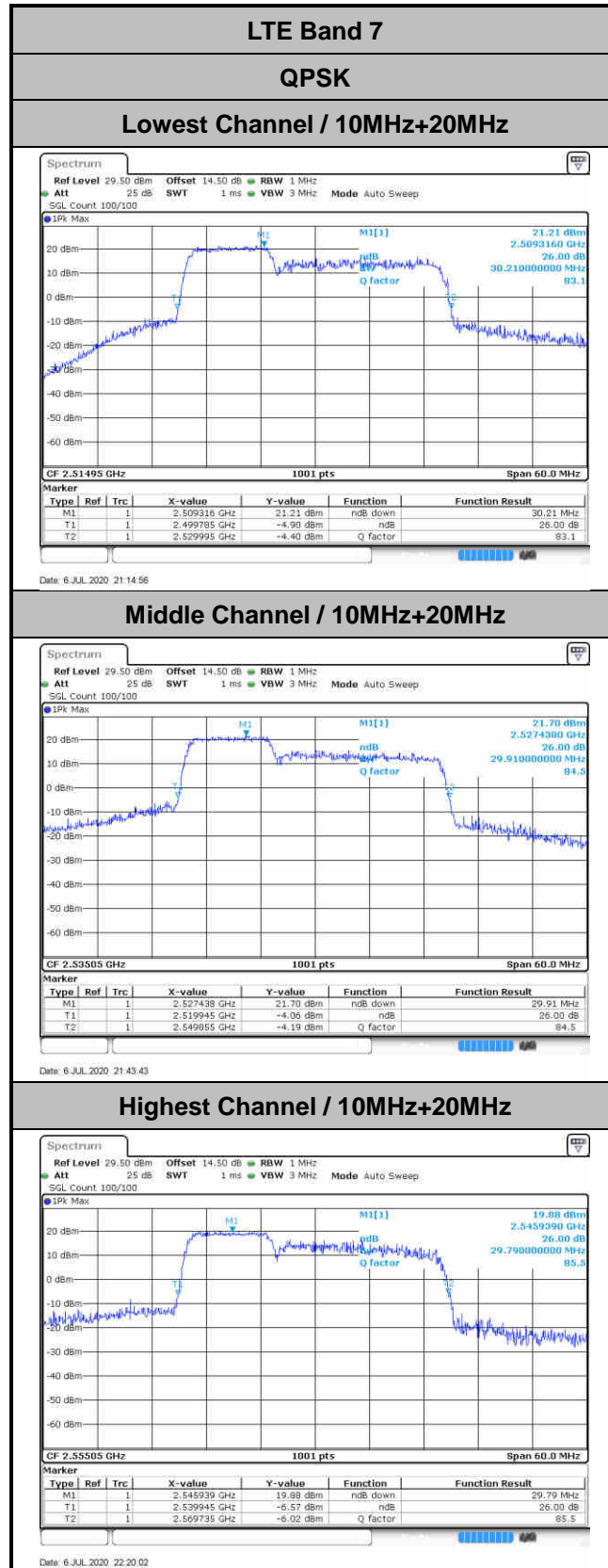
LTE Band 7C_CA

26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	30.21	-	25.72	30.69
Middle CH	29.91	-	26.27	30.57
Highest CH	29.79	-	25.48	30.87
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	30.09	35.04	39.72
Middle CH	34.76	30.21	34.90	39.96
Highest CH	34.83	30.09	34.90	40.04

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.85	-	25.38	30.63
Middle CH	29.91	-	25.48	30.63
Highest CH	29.85	-	25.33	30.51
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	30.09	34.97	39.80
Middle CH	34.76	29.97	34.76	39.64
Highest CH	34.90	30.09	35.04	39.88

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91	-	25.48	30.63
Middle CH	29.97	-	25.43	30.57
Highest CH	29.85	-	25.38	30.57
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	30.15	34.97	39.56
Middle CH	34.62	30.09	34.83	39.72
Highest CH	34.76	30.15	34.83	39.88

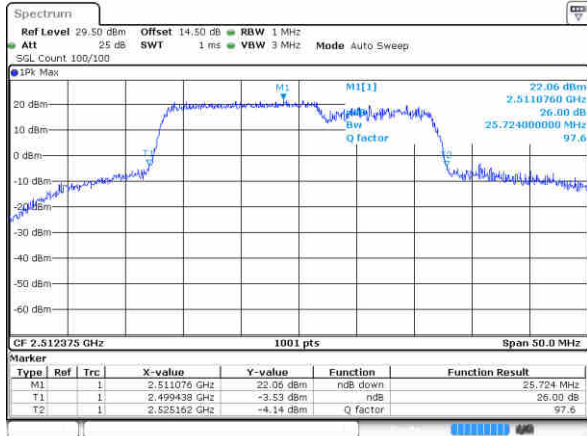




LTE Band 7

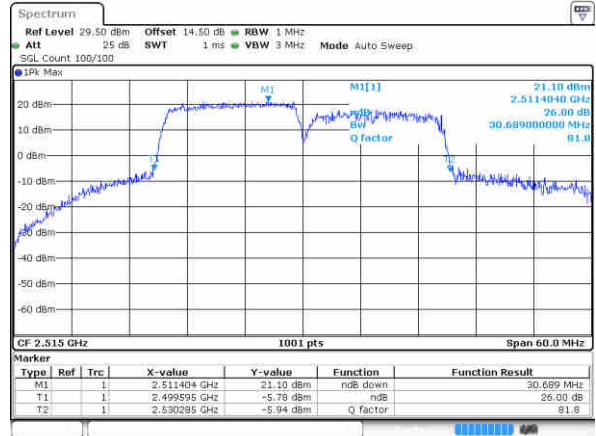
QPSK

Lowest Channel / 15MHz+10MHz



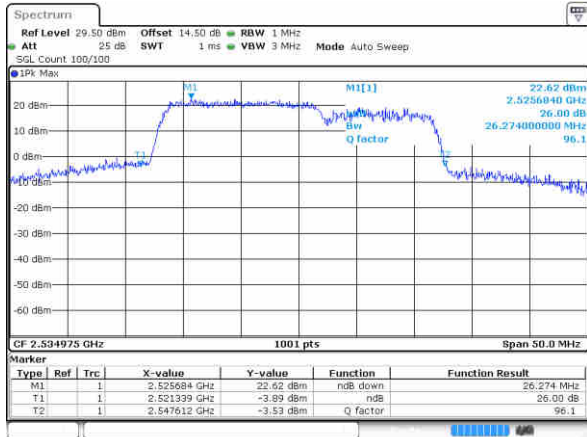
Date: 6 JUL 2020 22:39:55

Lowest Channel / 15MHz+15MHz



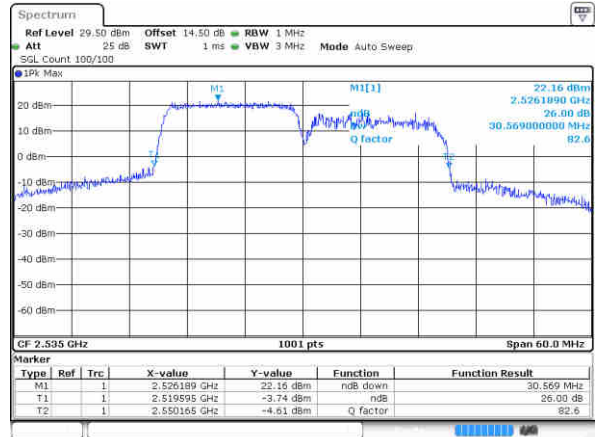
Date: 1 JUL 2020 23:39:39

Middle Channel / 15MHz+10MHz



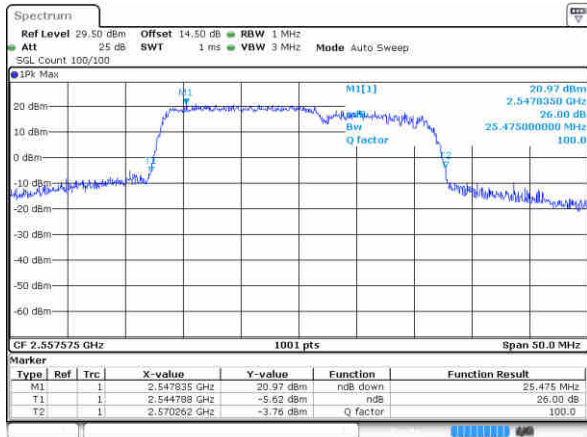
Date: 6 JUL 2020 23:00:19

Middle Channel / 15MHz+15MHz



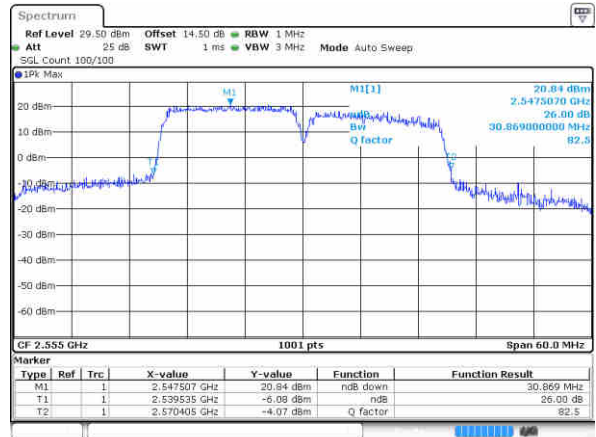
Date: 2 JUL 2020 00:00:55

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:35:58

Highest Channel / 15MHz+15MHz



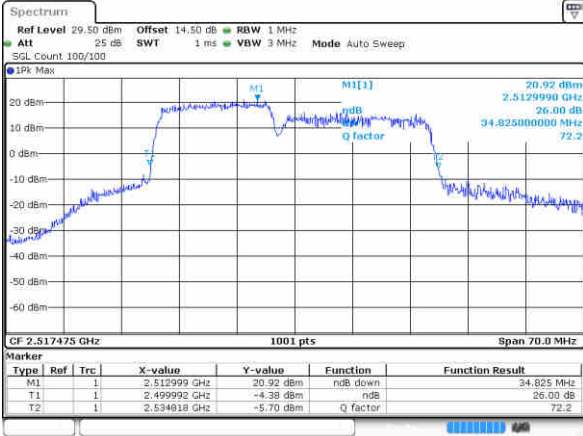
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LTE Band 7

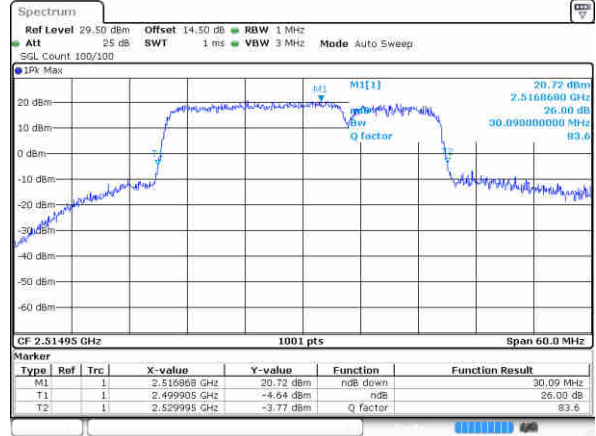
QPSK

Lowest Channel / 15MHz+20MHz



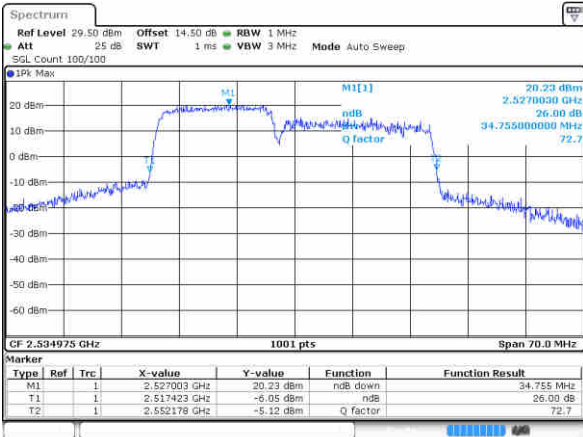
Date: 2 JUL 2020 20:11:46

Lowest Channel / 20MHz+10MHz



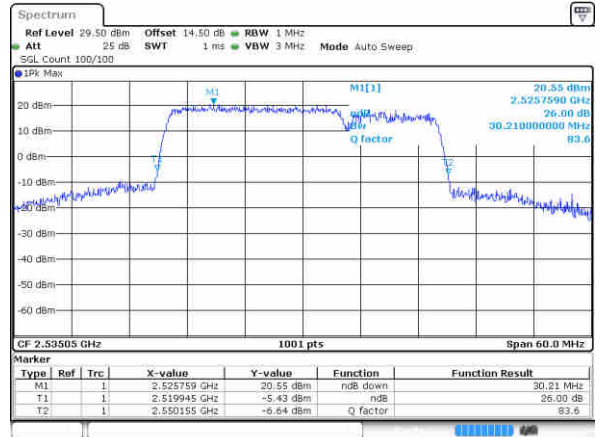
Date: 1 JUL 2020 22:18:41

Middle Channel / 15MHz+20MHz



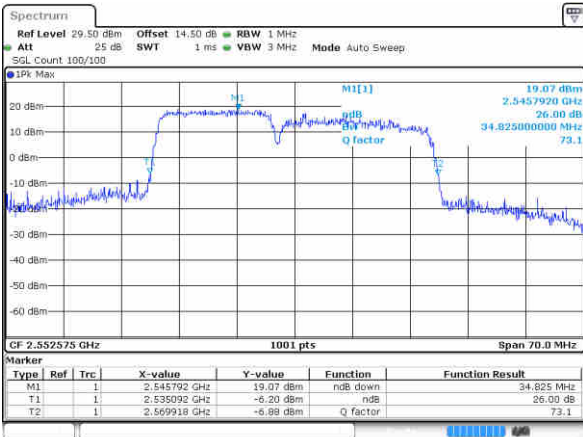
Date: 2 JUL 2020 20:31:47

Middle Channel / 20MHz+10MHz



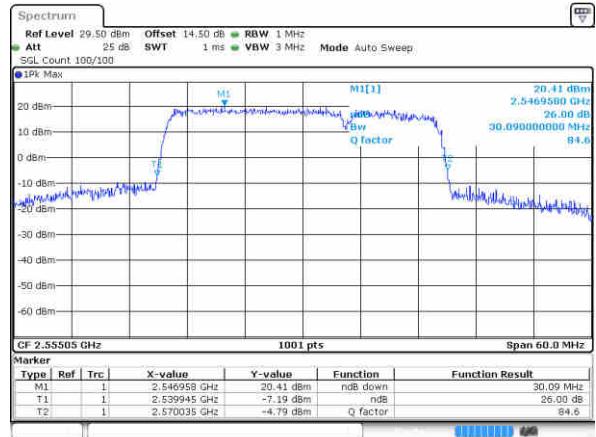
Date: 1 JUL 2020 22:41:56

Highest Channel / 15MHz+20MHz



Date: 2 JUL 2020 20:48:20

Highest Channel / 20MHz+10MHz



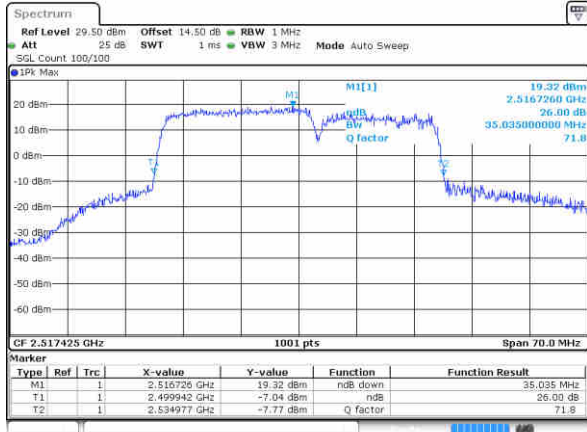
Date: 1 JUL 2020 23:10:45



LTE Band 7

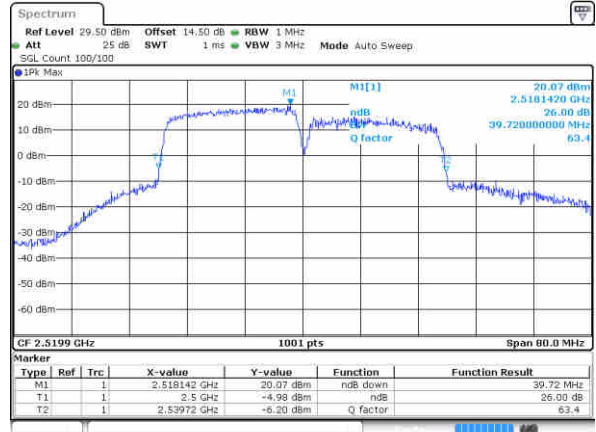
QPSK

Lowest Channel / 20MHz+15MHz



Date: 2 JUL 2020 22:44:47

Lowest Channel / 20MHz+20MHz



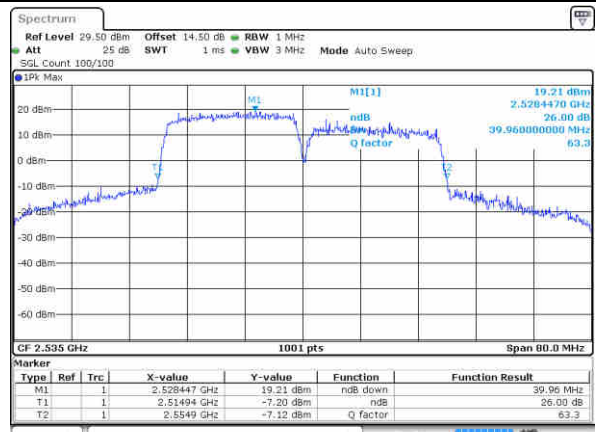
Date: 3 JUL 2020 00:13:40

Middle Channel / 20MHz+15MHz



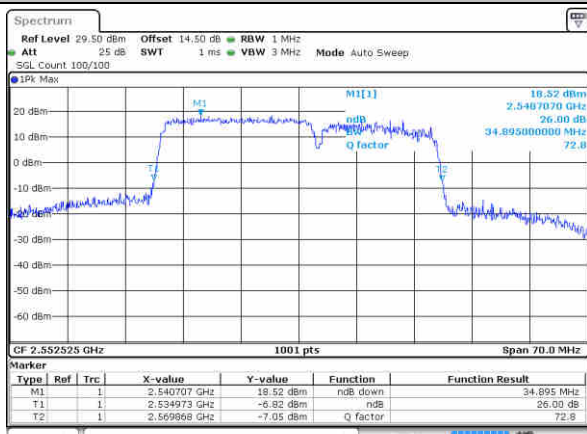
Date: 2 JUL 2020 23:23:16

Middle Channel / 20MHz+20MHz



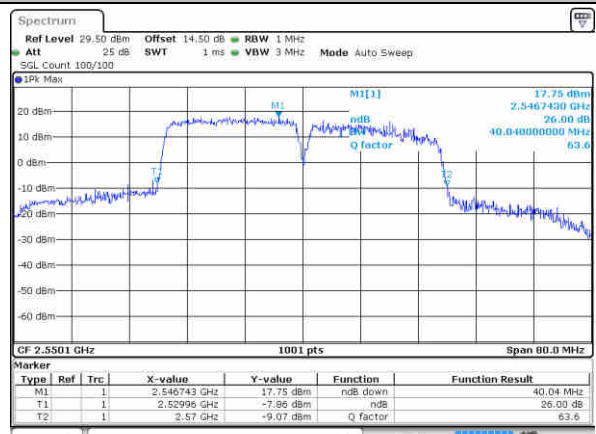
Date: 3 JUL 2020 00:33:55

Highest Channel / 20MHz+15MHz

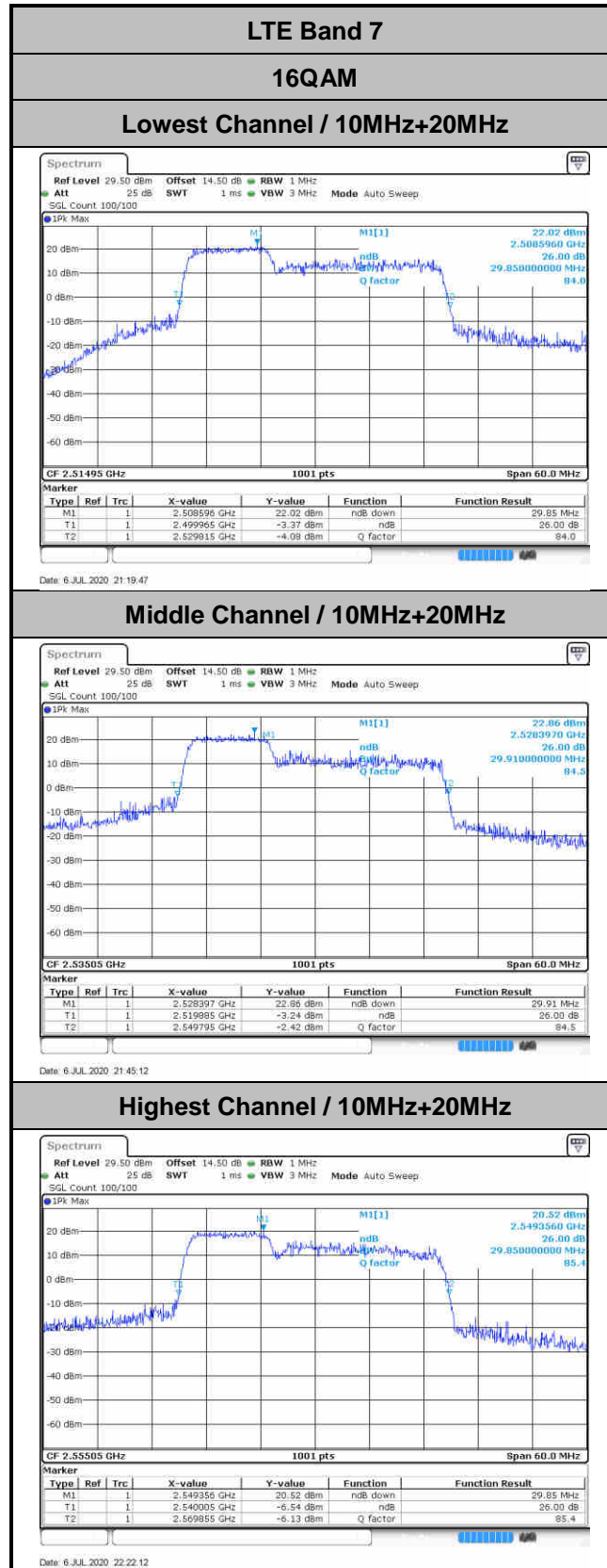


Date: 3 JUL 2020 00:00:33

Highest Channel / 20MHz+20MHz



Date: 3 JUL 2020 01:10:08

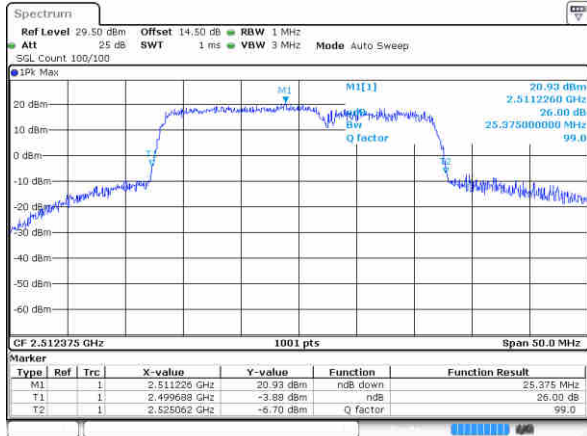




LTE Band 7

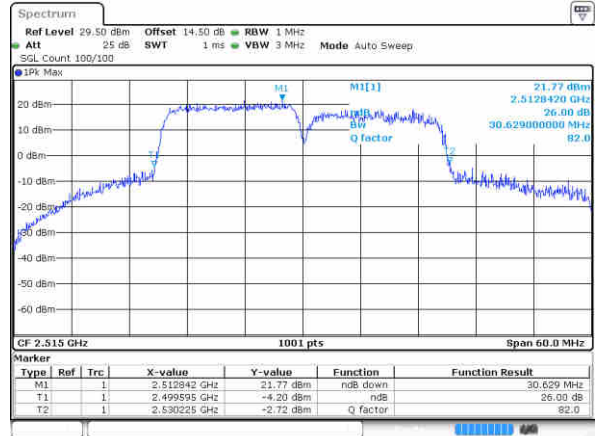
16QAM

Lowest Channel / 15MHz+10MHz



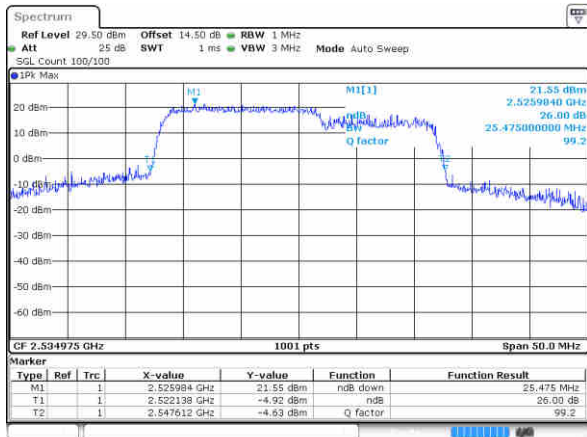
Date: 6 JUL 2020 22:44:07

Lowest Channel / 15MHz+15MHz



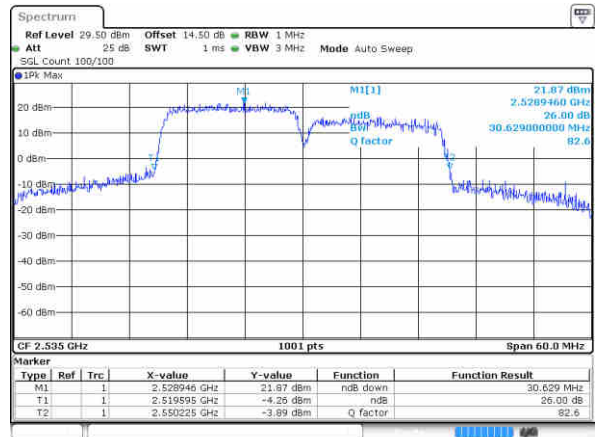
Date: 1 JUL 2020 23:44:28

Middle Channel / 15MHz+10MHz



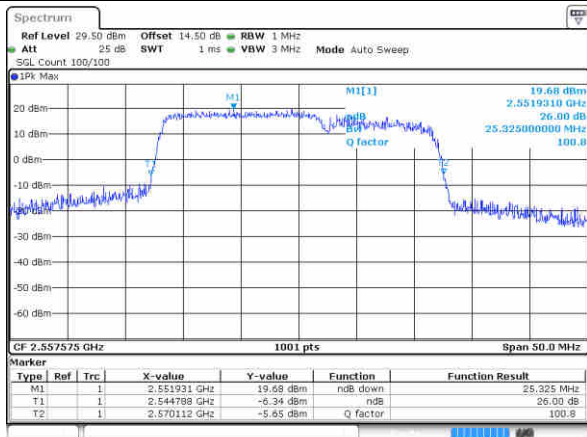
Date: 6 JUL 2020 23:34:52

Middle Channel / 15MHz+15MHz



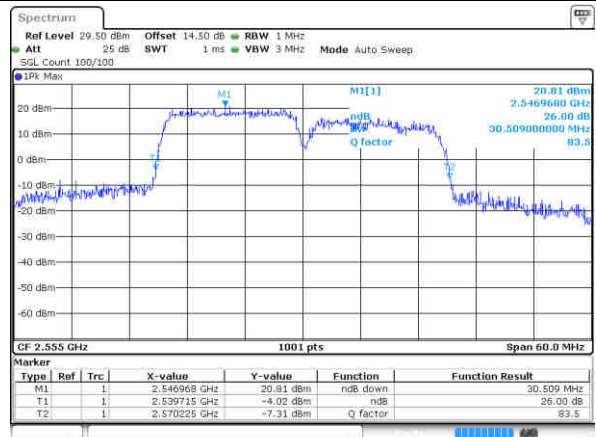
Date: 2 JUL 2020 00:02:56

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:37:34

Highest Channel / 15MHz+15MHz



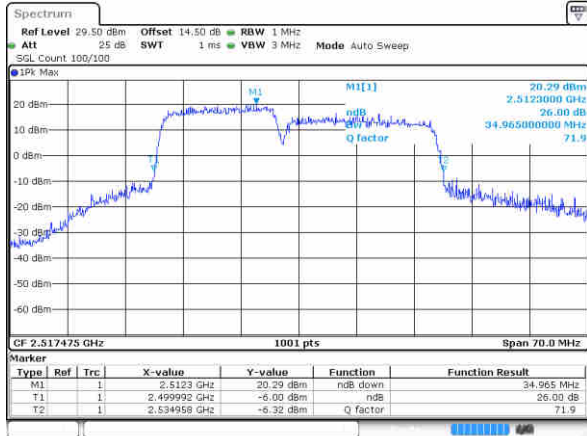
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LTE Band 7

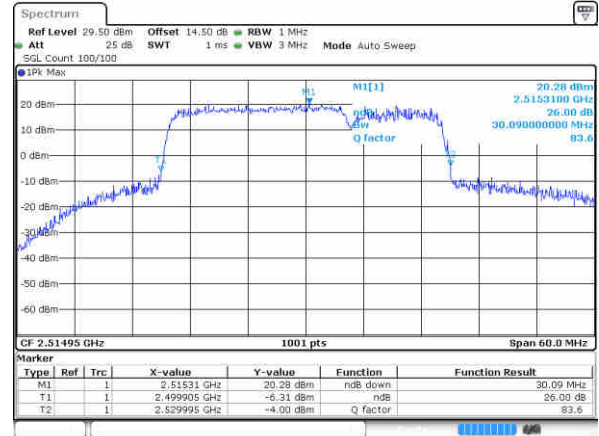
16QAM

Lowest Channel / 15MHz+20MHz



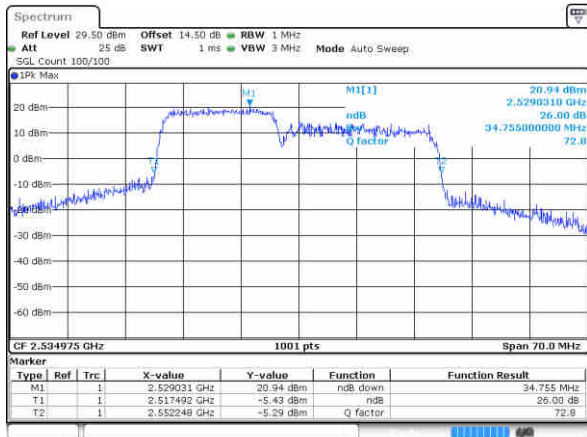
Date: 2 JUL 2020 20:13:15

Lowest Channel / 20MHz+10MHz



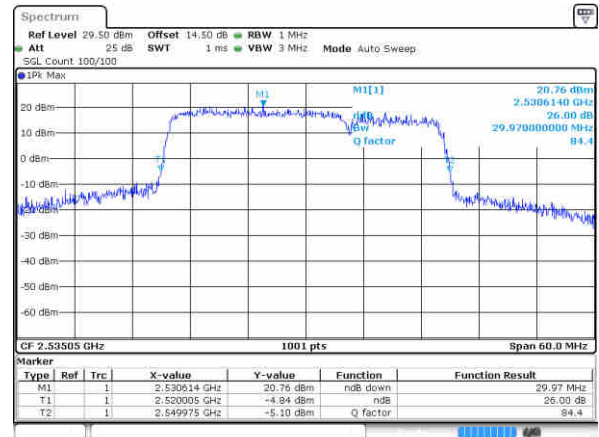
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Middle Channel / 15MHz+20MHz



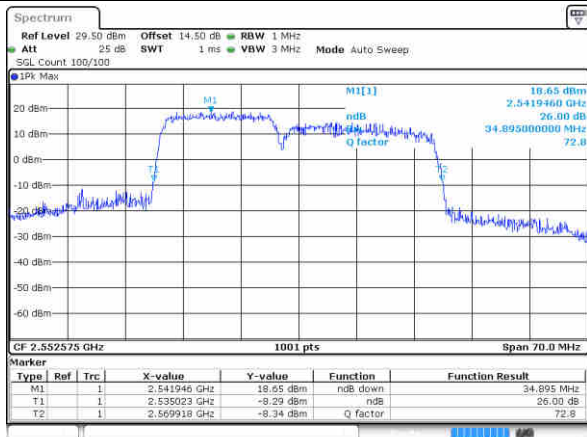
Date: 2 JUL 2020 20:33:13

Middle Channel / 20MHz+10MHz



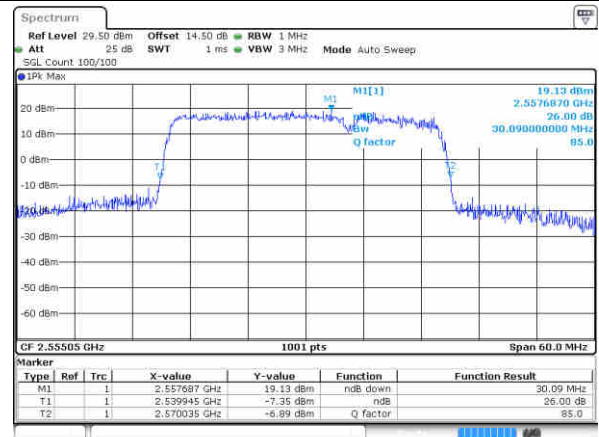
Date: 1 JUL 2020 22:43:16

Highest Channel / 15MHz+20MHz



Date: 2 JUL 2020 20:49:48

Highest Channel / 20MHz+10MHz



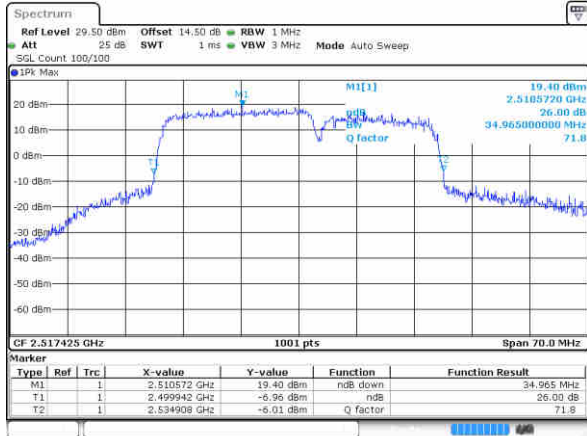
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LTE Band 7

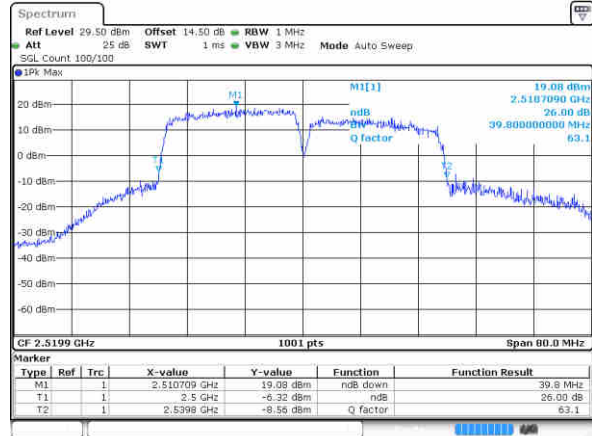
16QAM

Lowest Channel / 20MHz+15MHz



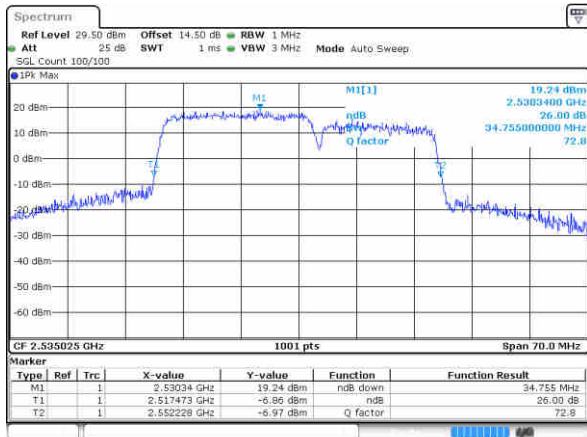
Date: 2 JUL 2020 22:55:44

Lowest Channel / 20MHz+20MHz



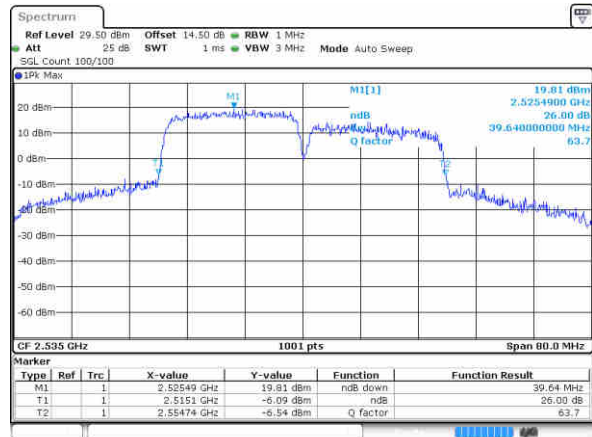
Date: 3 JUL 2020 00:15:16

Middle Channel / 20MHz+15MHz



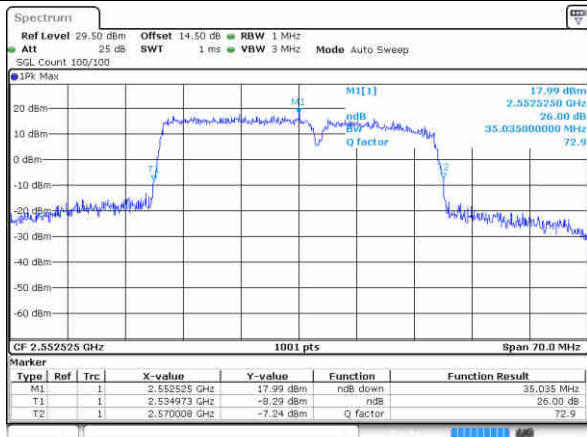
Date: 2 JUL 2020 23:24:54

Middle Channel / 20MHz+20MHz



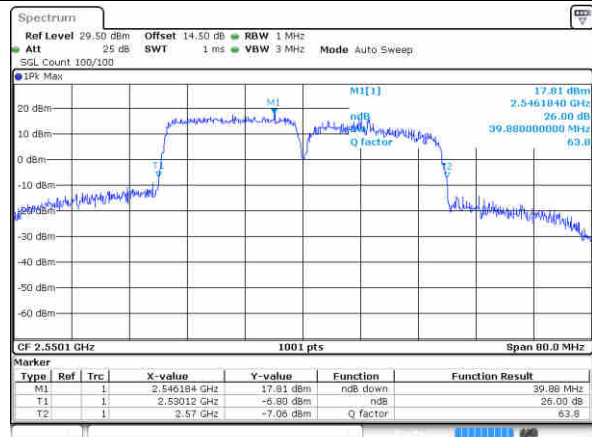
Date: 3 JUL 2020 00:32:36

Highest Channel / 20MHz+15MHz

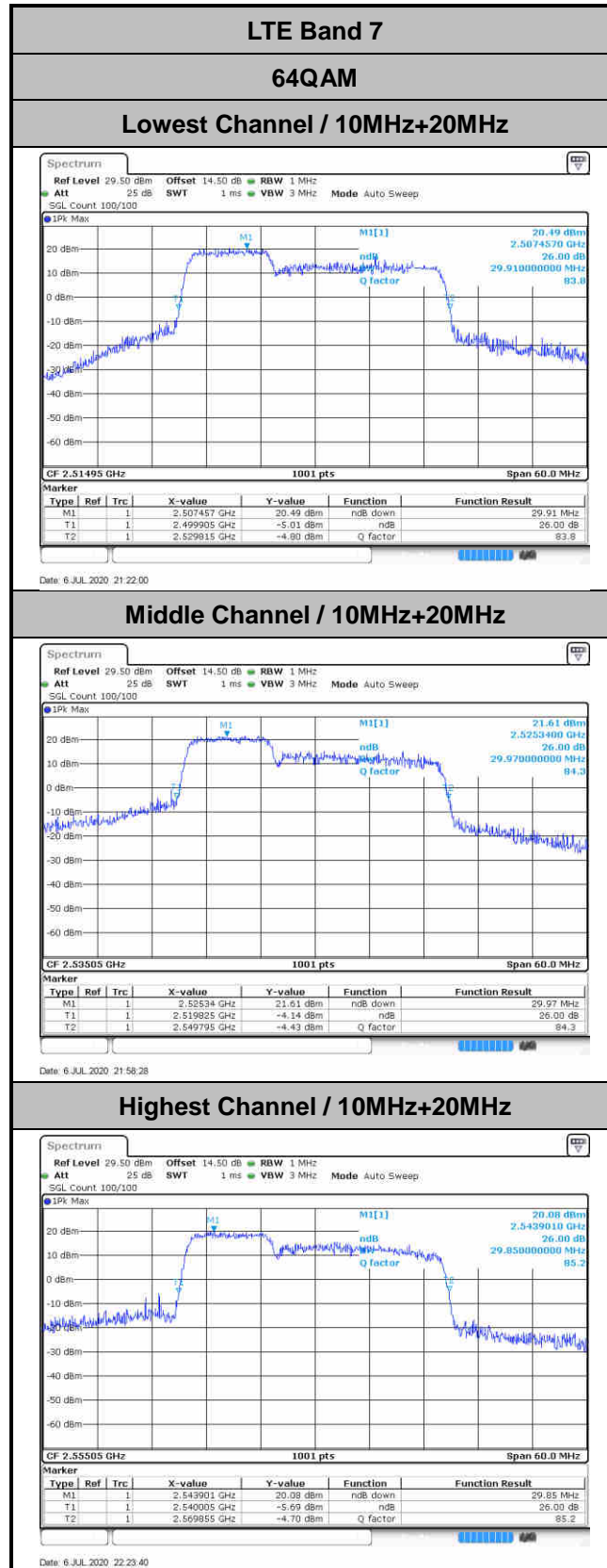


Date: 3 JUL 2020 00:01:58

Highest Channel / 20MHz+20MHz



Date: 3 JUL 2020 01:12:40

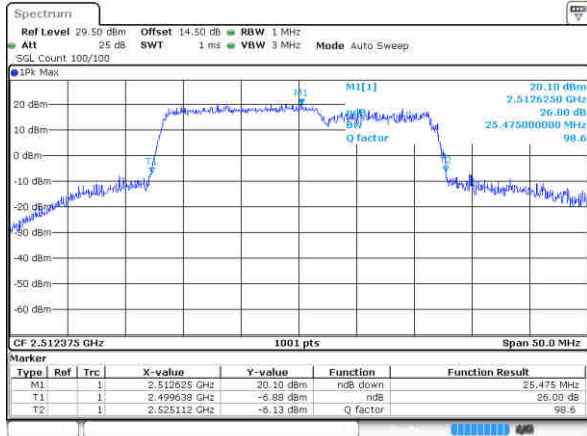




LTE Band 7

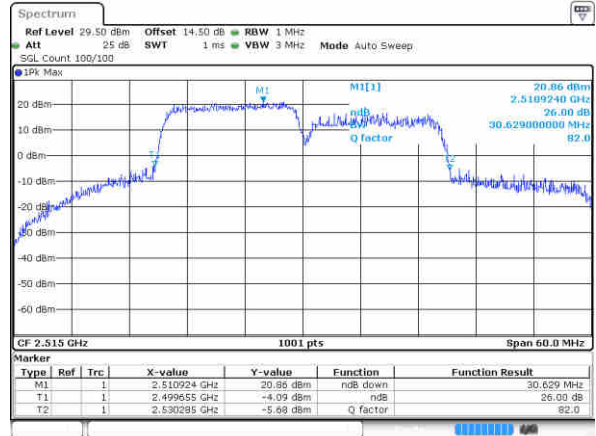
64QAM

Lowest Channel / 15MHz+10MHz



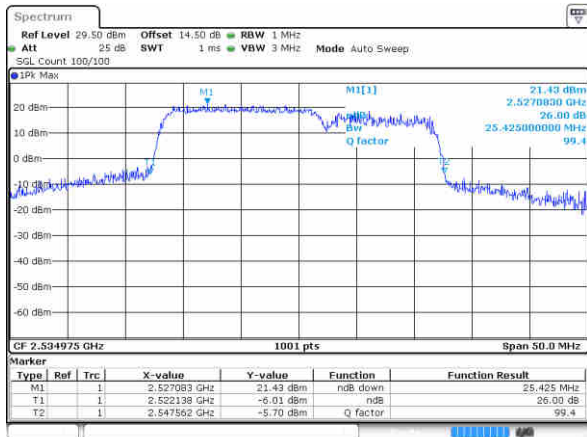
Date: 6 JUL 2020 22:46:08

Lowest Channel / 15MHz+15MHz



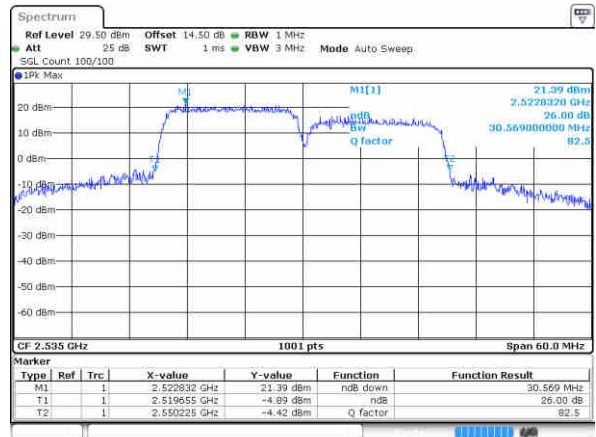
Date: 1 JUL 2020 23:48:59

Middle Channel / 15MHz+10MHz



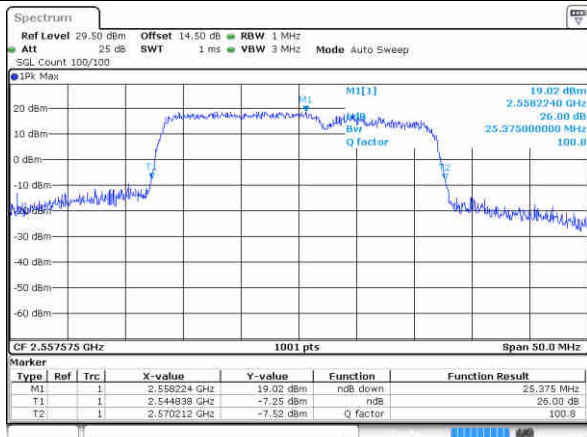
Date: 6 JUL 2020 23:19:10

Middle Channel / 15MHz+15MHz



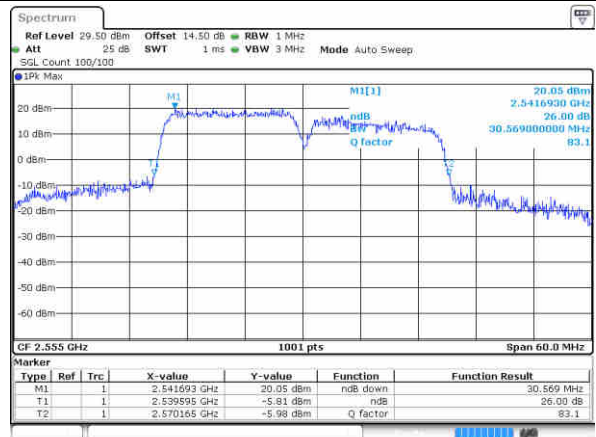
Date: 2 JUL 2020 00:04:08

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:39:10

Highest Channel / 15MHz+15MHz



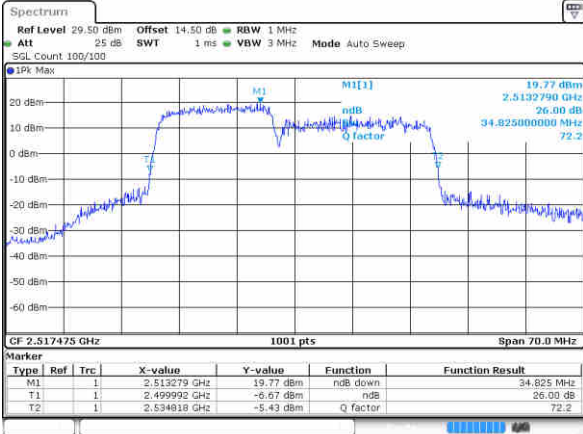
Date: 2 JUL 2020 00:28:04



LTE Band 7

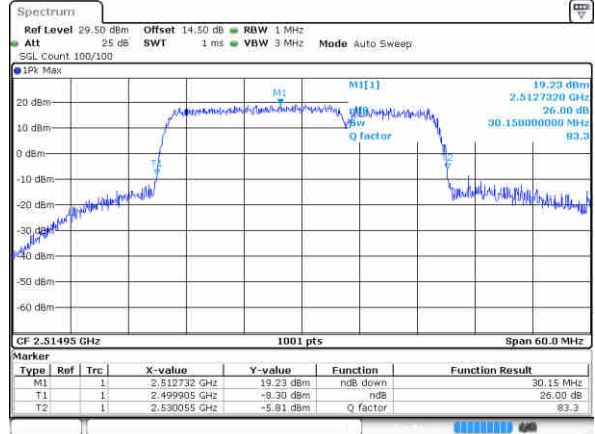
64QAM

Lowest Channel / 15MHz+20MHz



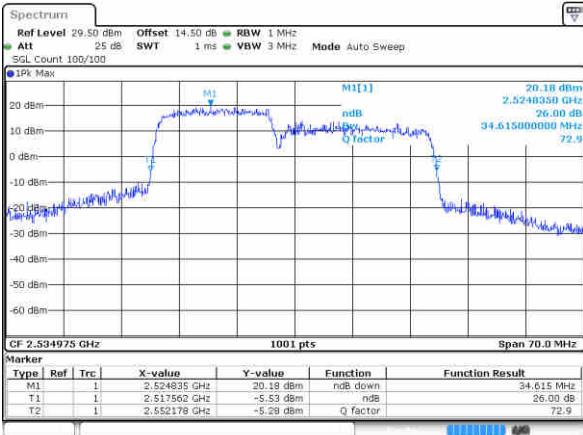
Date: 2 JUL 2020 20:14:47

Lowest Channel / 20MHz+10MHz



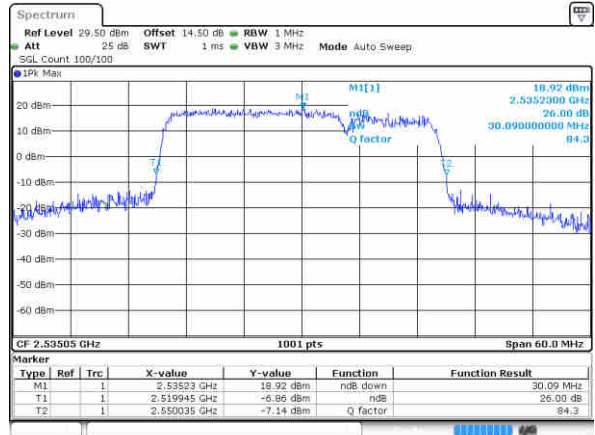
Date: 1 JUL 2020 22:23:56

Middle Channel / 15MHz+20MHz



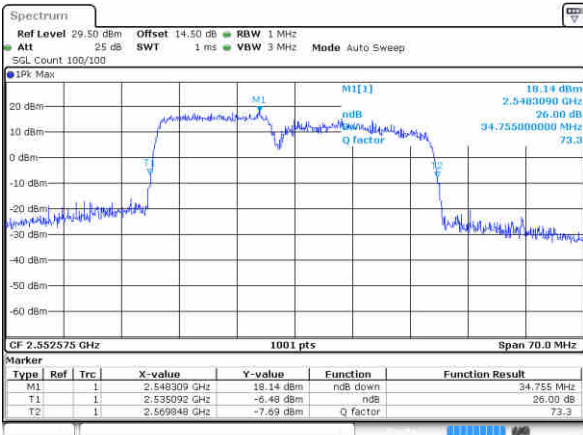
Date: 2 JUL 2020 20:34:33

Middle Channel / 20MHz+10MHz



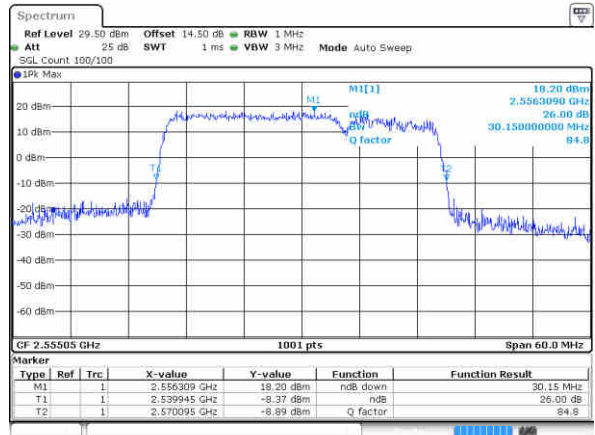
Date: 1 JUL 2020 22:59:43

Highest Channel / 15MHz+20MHz



Date: 2 JUL 2020 20:52:31

Highest Channel / 20MHz+10MHz



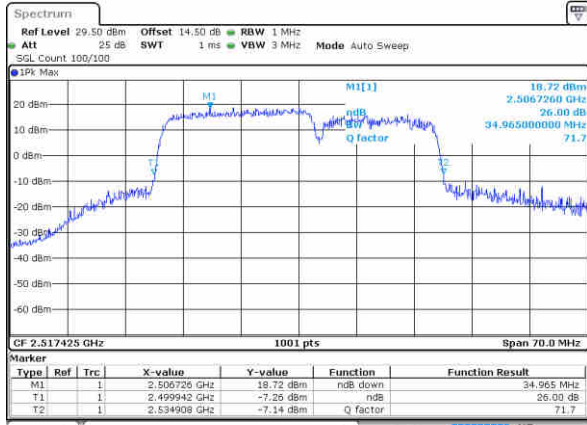
Date: 1 JUL 2020 23:14:55



LTE Band 7

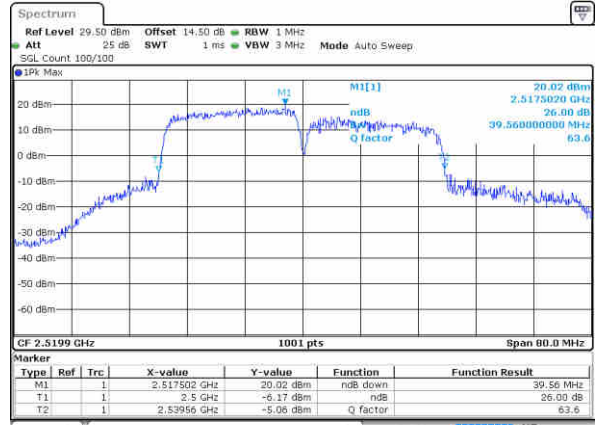
64QAM

Lowest Channel / 20MHz+15MHz



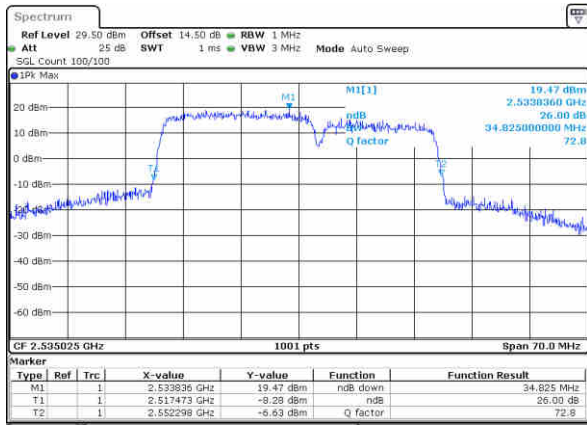
Date: 2 JUL 2020 22:57:35

Lowest Channel / 20MHz+20MHz



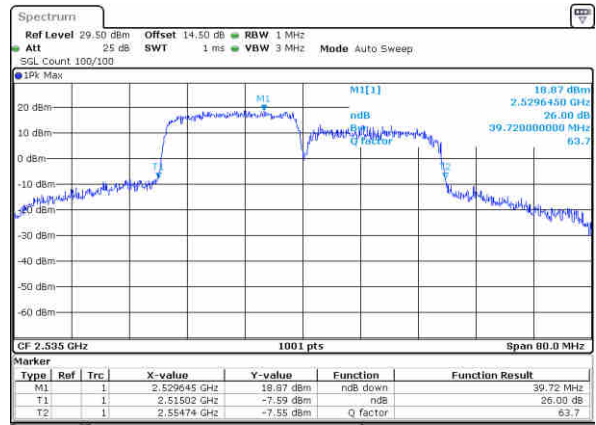
Date: 3 JUL 2020 00:19:51

Middle Channel / 20MHz+15MHz



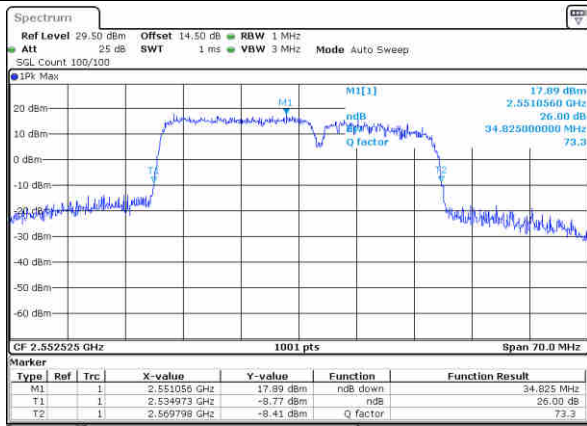
Date: 2 JUL 2020 23:26:11

Middle Channel / 20MHz+20MHz



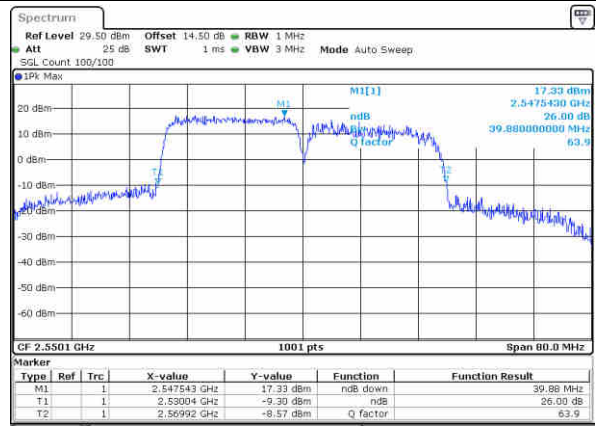
Date: 3 JUL 2020 00:30:53

Highest Channel / 20MHz+15MHz



Date: 3 JUL 2020 00:03:22

Highest Channel / 20MHz+20MHz



Date: 3 JUL 2020 01:14:19

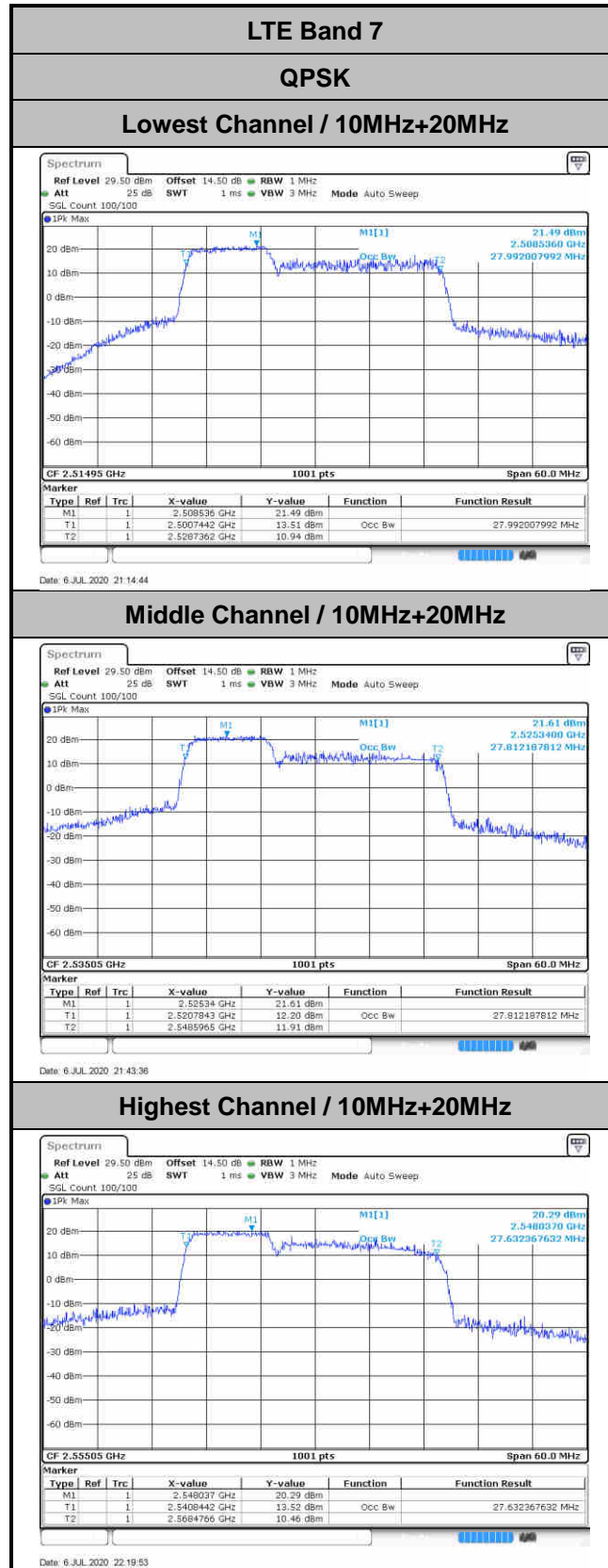


Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.99	-	23.53	28.41
Middle CH	27.81	-	23.53	28.47
Highest CH	27.63	-	23.28	28.35
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	27.99	32.59	37.24
Middle CH	32.59	27.93	32.66	37.16
Highest CH	32.52	27.87	32.52	37.32

Mode	LTE Band 7 : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.87	-	23.48	28.65
Middle CH	27.87	-	23.48	28.41
Highest CH	27.81	-	23.28	28.35
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.52	27.87	32.73	37.16
Middle CH	32.59	27.81	32.73	37.24
Highest CH	32.38	27.99	32.52	37.24

Mode	LTE Band 7 : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	N/A	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.81	-	23.38	28.53
Middle CH	27.75	-	23.38	28.41
Highest CH	27.69	-	23.33	28.29
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.52	27.93	32.59	37.08
Middle CH	32.52	27.93	32.45	37.16
Highest CH	32.38	27.87	32.52	37.08

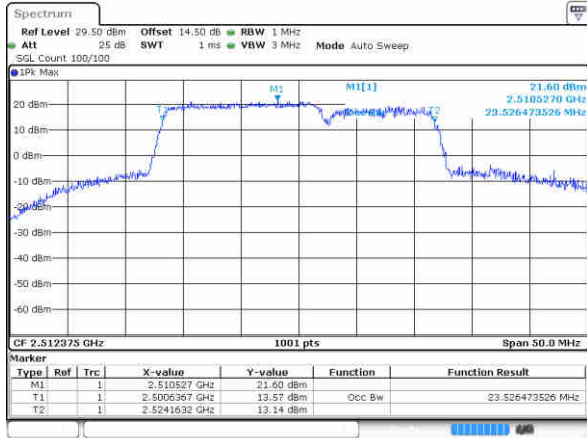




LTE Band 7

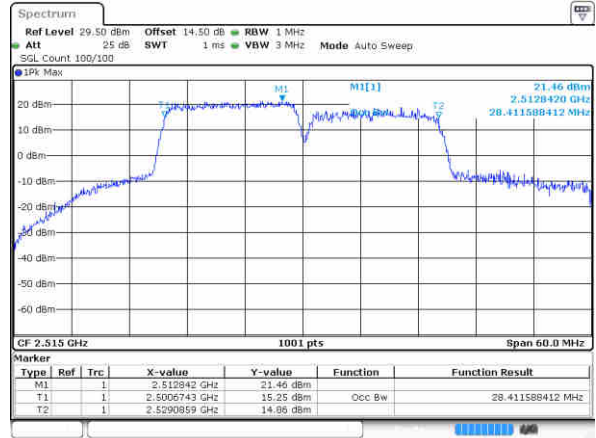
QPSK

Lowest Channel / 15MHz+10MHz



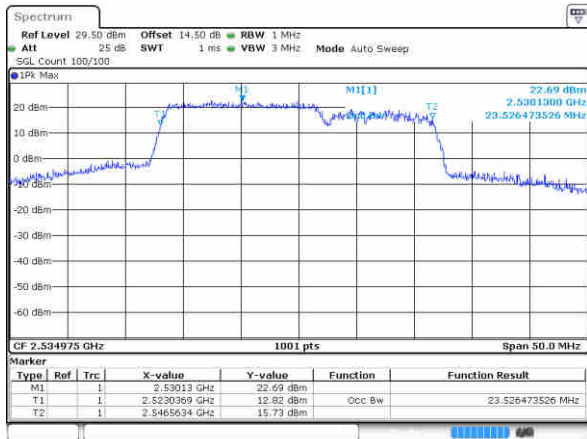
Date: 6 JUL 2020 22:39:47

Lowest Channel / 15MHz+15MHz



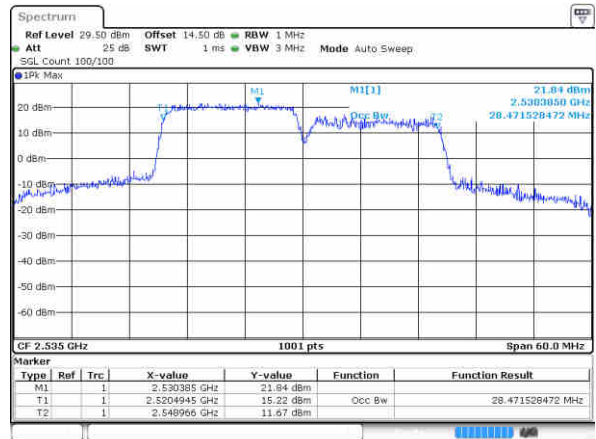
Date: 1 JUL 2020 23:39:33

Middle Channel / 15MHz+10MHz



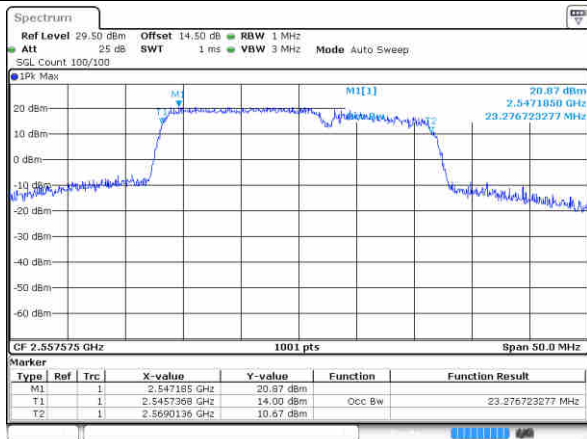
Date: 6 JUL 2020 23:00:10

Middle Channel / 15MHz+15MHz



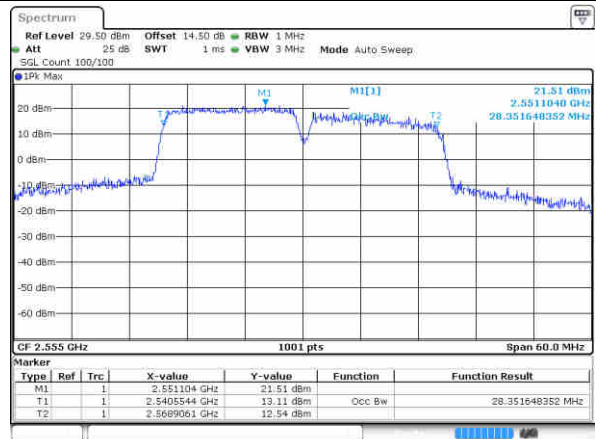
Date: 2 JUL 2020 00:00:49

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:35:52

Highest Channel / 15MHz+15MHz



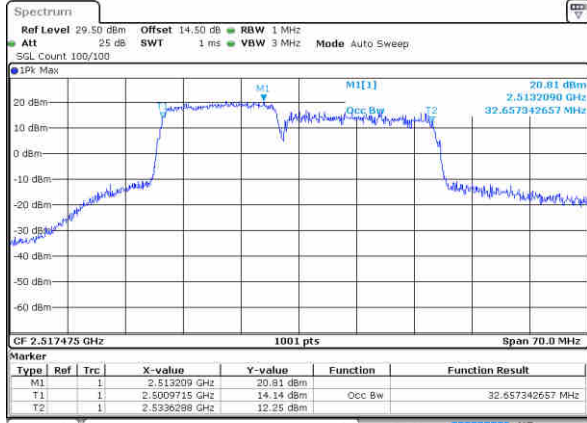
Date: 2 JUL 2020 00:22:44



LTE Band 7

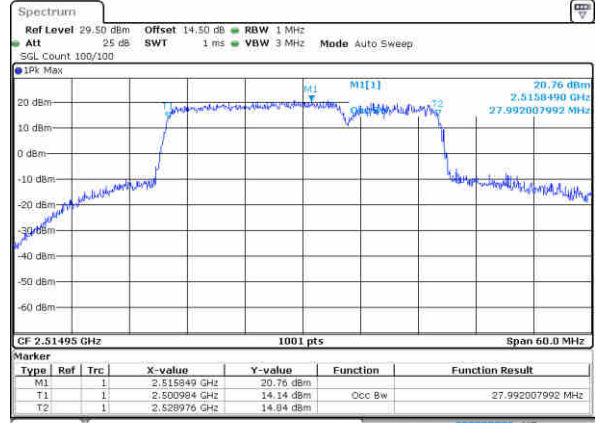
QPSK

Lowest Channel / 15MHz+20MHz



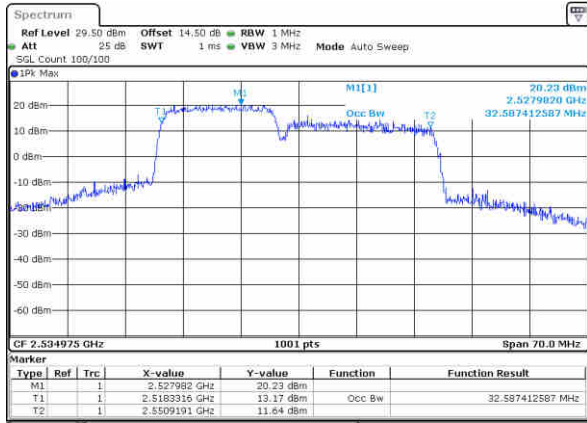
Date: 2 JUL 2020 20:11:38

Lowest Channel / 20MHz+10MHz



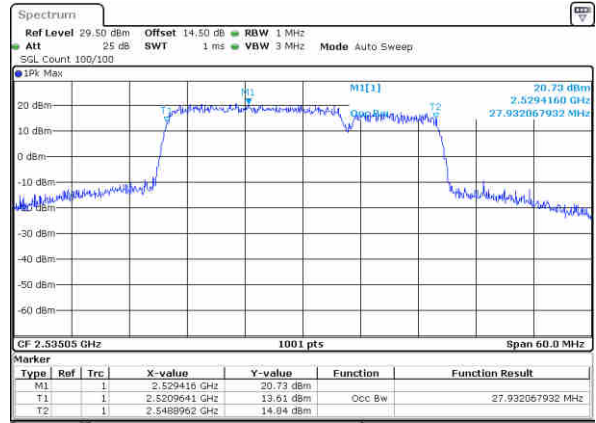
Date: 1 JUL 2020 22:18:33

Middle Channel / 15MHz+20MHz



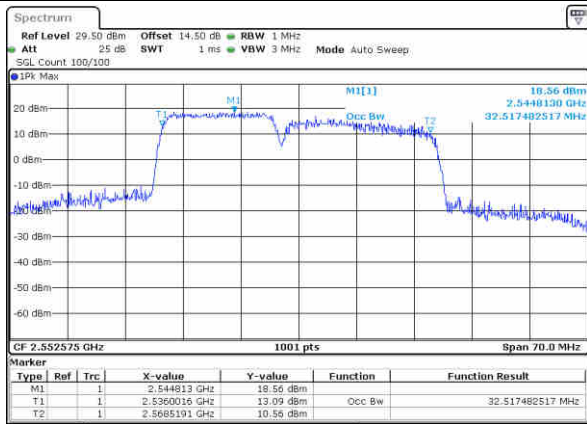
Date: 2 JUL 2020 20:31:40

Middle Channel / 20MHz+10MHz



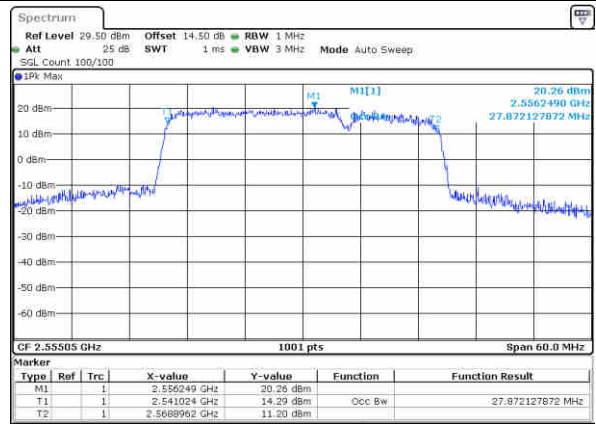
Date: 1 JUL 2020 22:41:38

Highest Channel / 15MHz+20MHz



Date: 2 JUL 2020 20:48:13

Highest Channel / 20MHz+10MHz



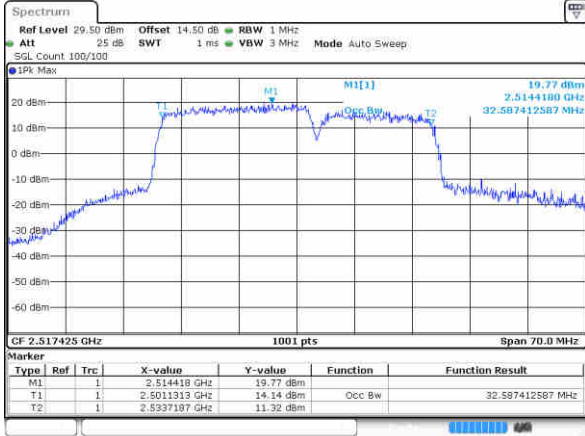
Date: 1 JUL 2020 23:10:39



LTE Band 7

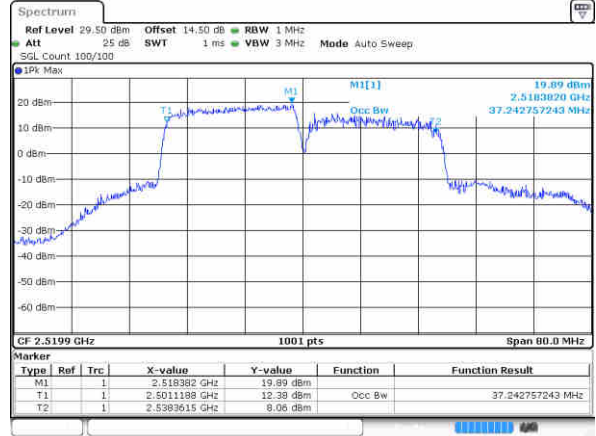
QPSK

Lowest Channel / 20MHz+15MHz



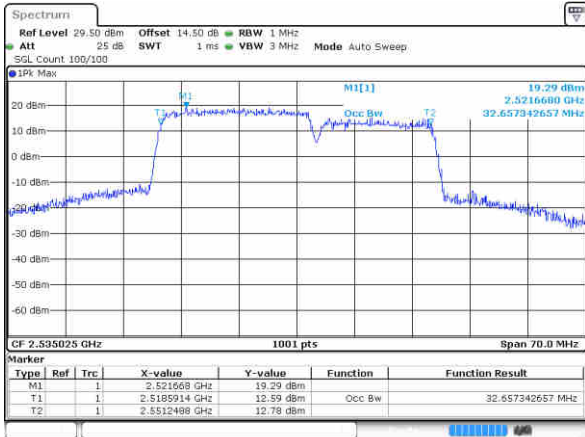
Date: 2 JUL 2020 22:44:39

Lowest Channel / 20MHz+20MHz



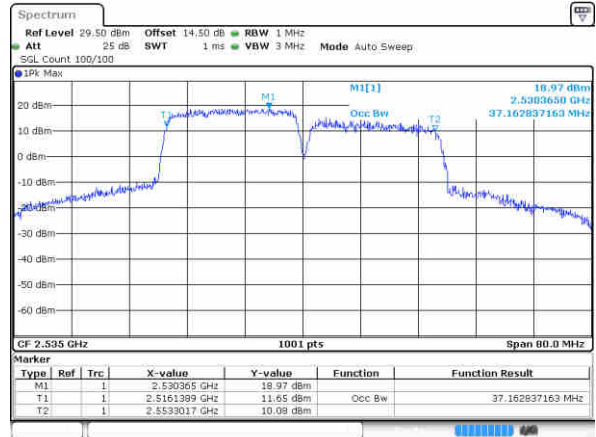
Date: 3 JUL 2020 00:13:23

Middle Channel / 20MHz+15MHz



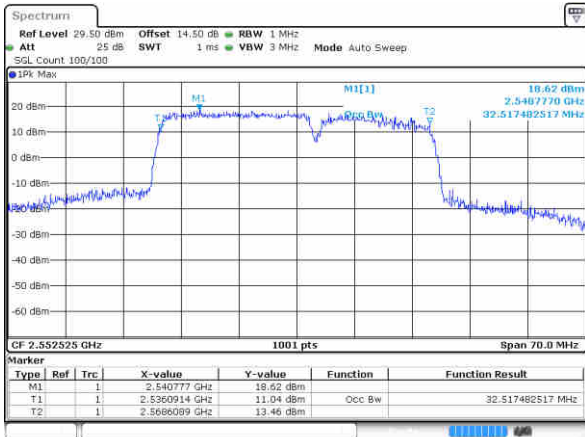
Date: 2 JUL 2020 23:22:58

Middle Channel / 20MHz+20MHz



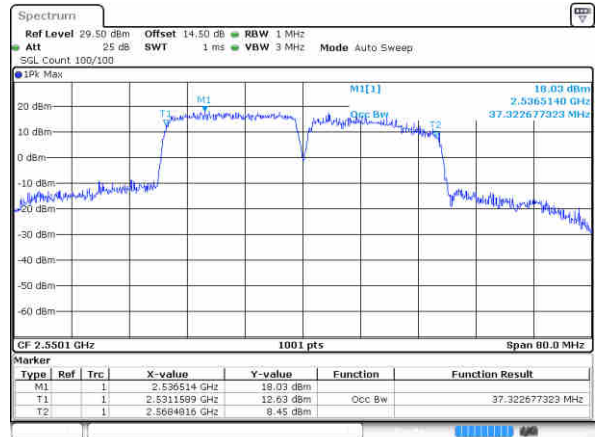
Date: 3 JUL 2020 00:33:39

Highest Channel / 20MHz+15MHz

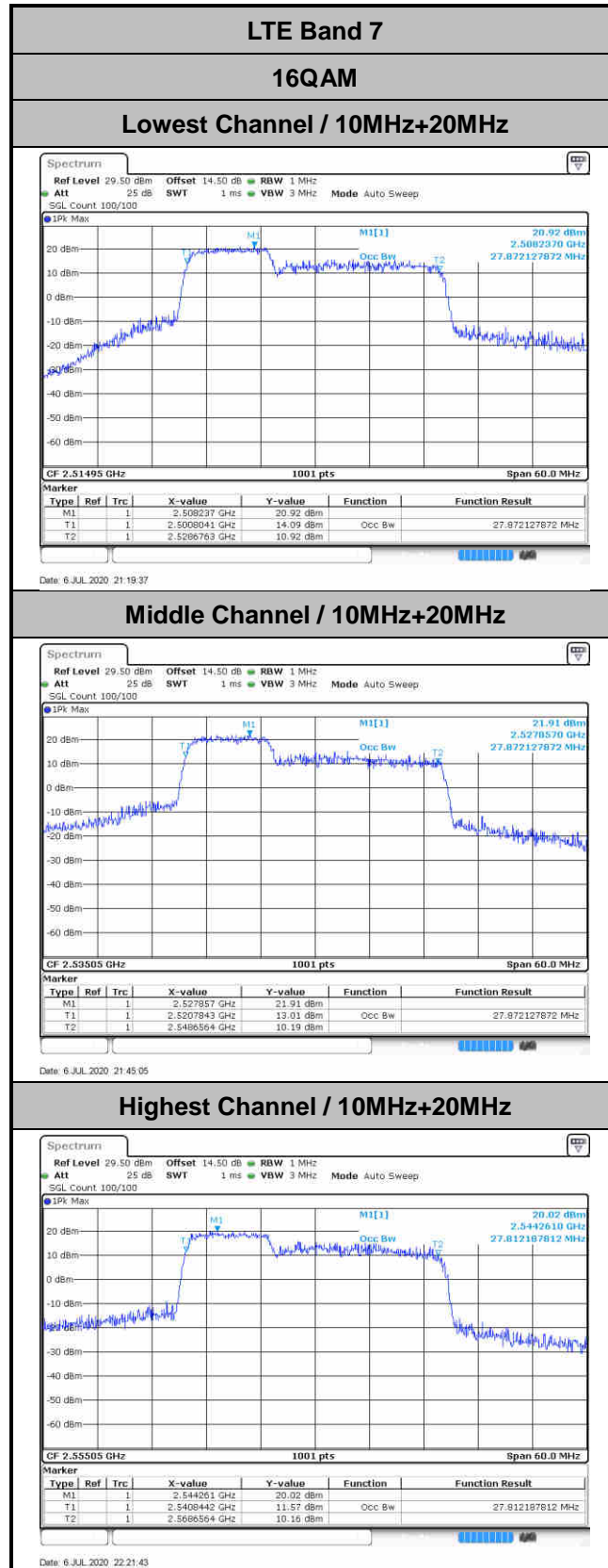


Date: 2 JUL 2020 23:59:51

Highest Channel / 20MHz+20MHz



Date: 3 JUL 2020 01:10:01

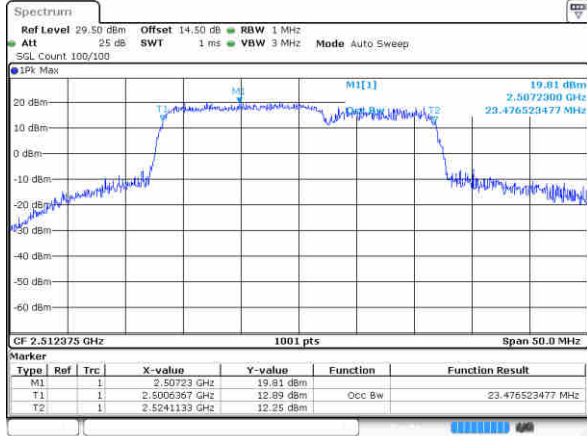




LTE Band 7

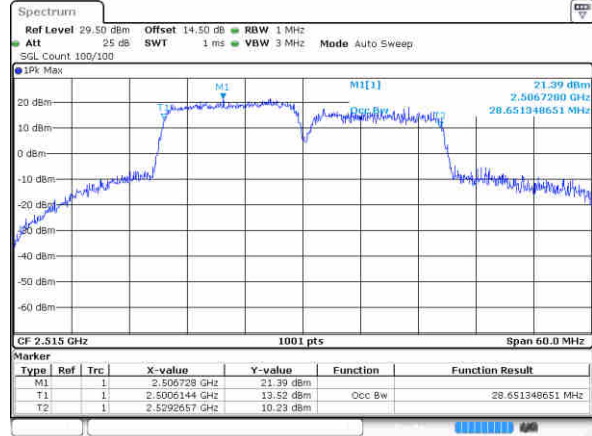
16QAM

Lowest Channel / 15MHz+10MHz



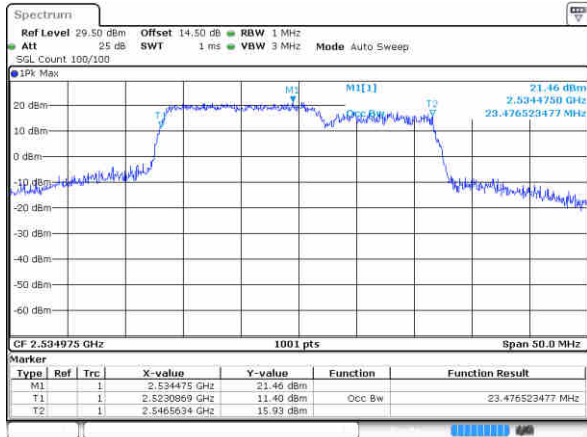
Date: 6 JUL 2020 22:43:58

Lowest Channel / 15MHz+15MHz



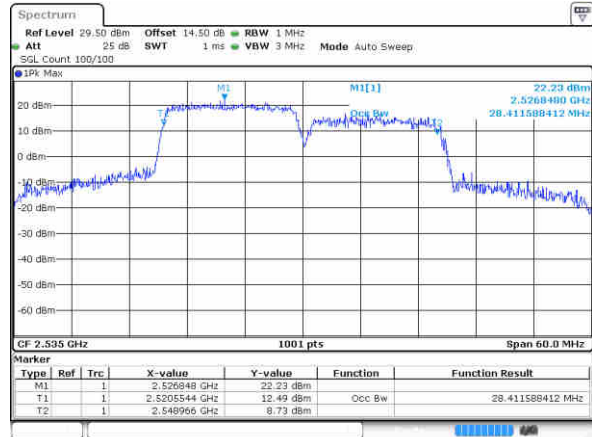
Date: 1 JUL 2020 23:44:19

Middle Channel / 15MHz+10MHz



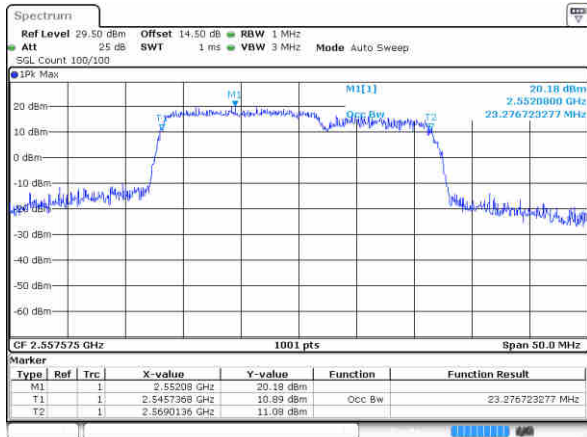
Date: 6 JUL 2020 23:34:43

Middle Channel / 15MHz+15MHz



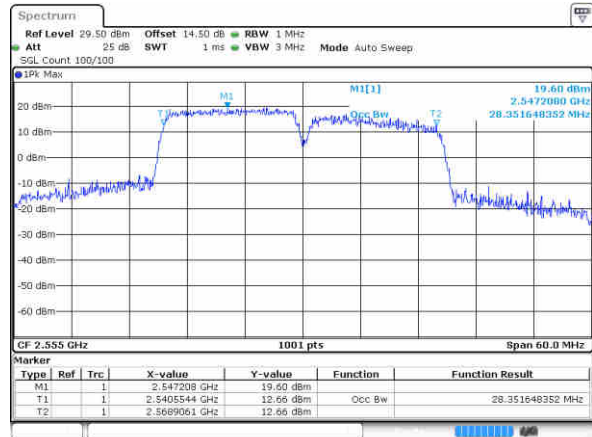
Date: 2 JUL 2020 00:02:17

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:37:22

Highest Channel / 15MHz+15MHz



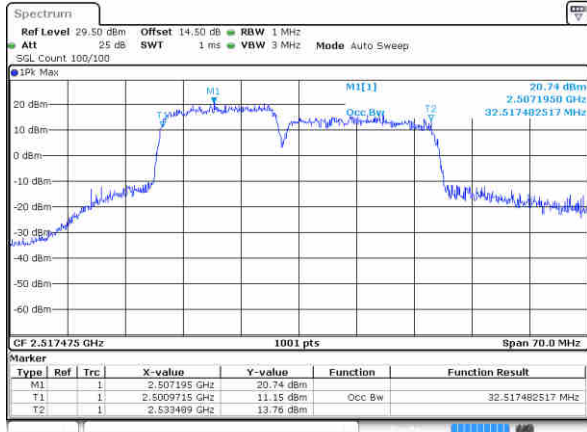
Date: 2 JUL 2020 00:24:39



LTE Band 7

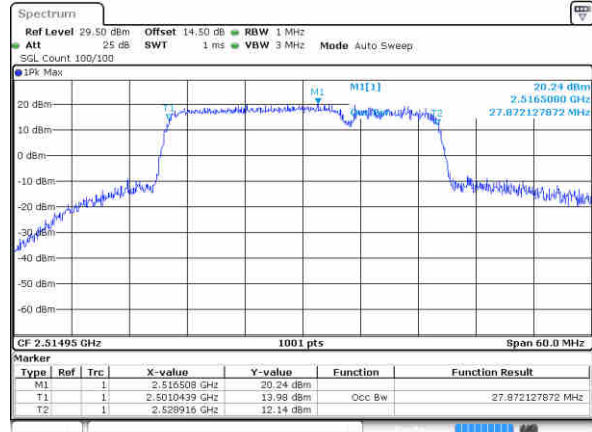
16QAM

Lowest Channel / 15MHz+20MHz



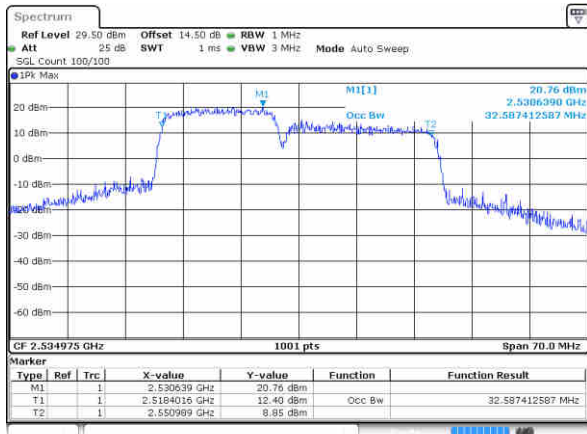
Date: 2 JUL 2020 20:13:08

Lowest Channel / 20MHz+10MHz



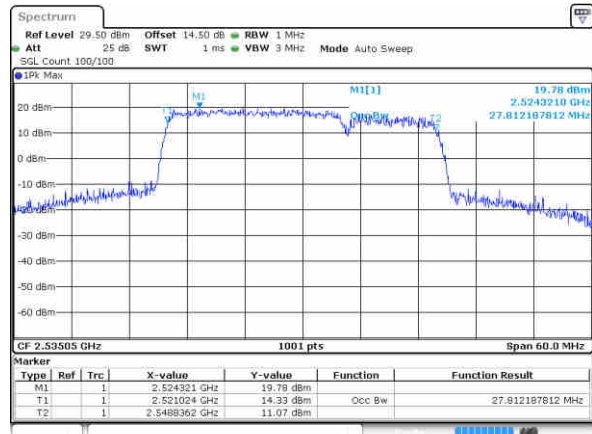
Date: 1 JUL 2020 22:21:51

Middle Channel / 15MHz+20MHz



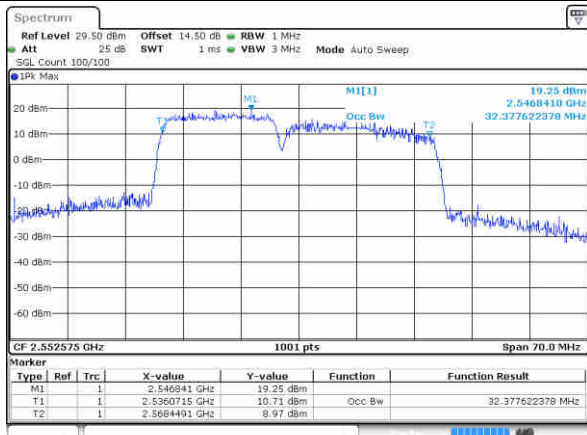
Date: 2 JUL 2020 20:33:05

Middle Channel / 20MHz+10MHz



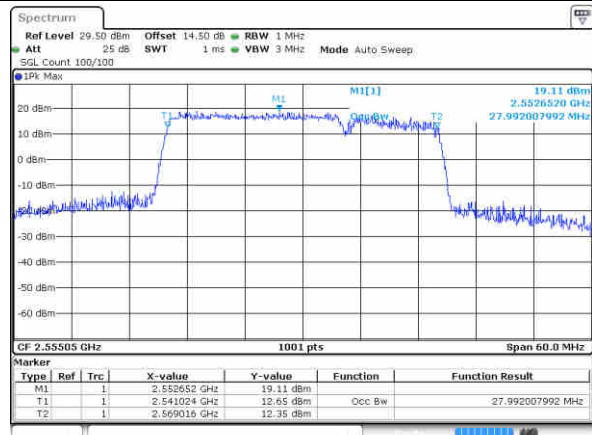
Date: 1 JUL 2020 22:43:08

Highest Channel / 15MHz+20MHz



Date: 2 JUL 2020 20:49:41

Highest Channel / 20MHz+10MHz



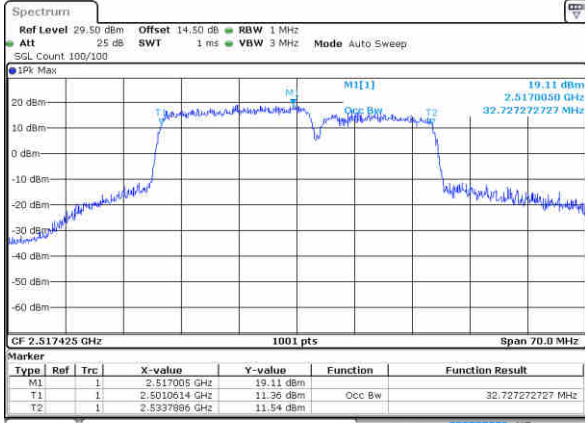
Date: 1 JUL 2020 23:13:00



LTE Band 7

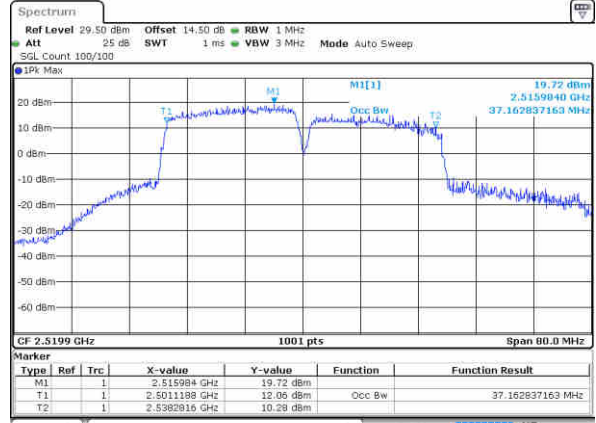
16QAM

Lowest Channel / 20MHz+15MHz



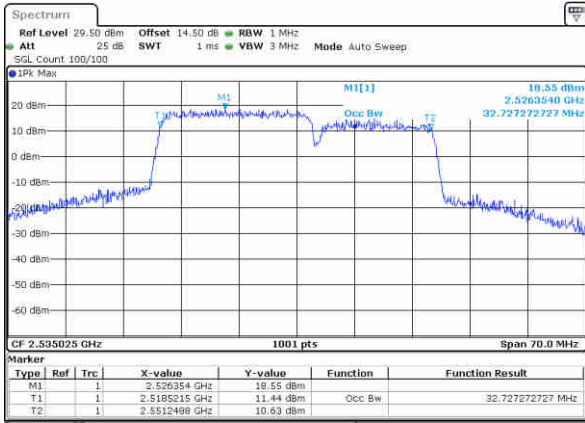
Date: 2 JUL 2020 22:55:37

Lowest Channel / 20MHz+20MHz



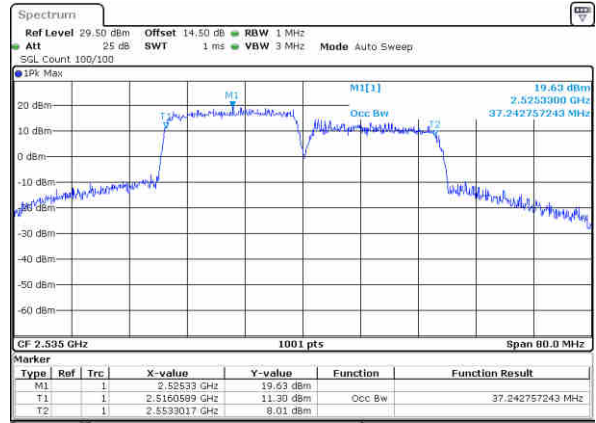
Date: 3 JUL 2020 00:15:04

Middle Channel / 20MHz+15MHz



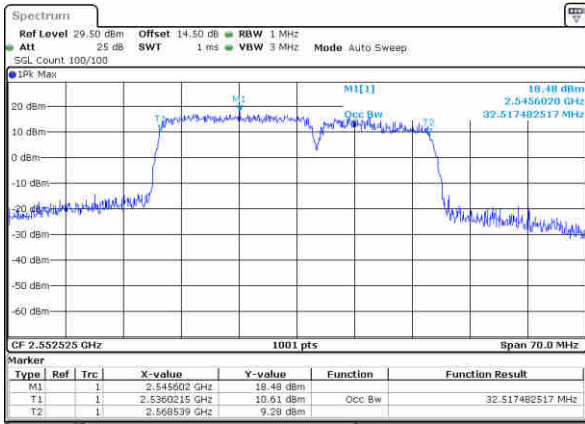
Date: 2 JUL 2020 23:24:42

Middle Channel / 20MHz+20MHz



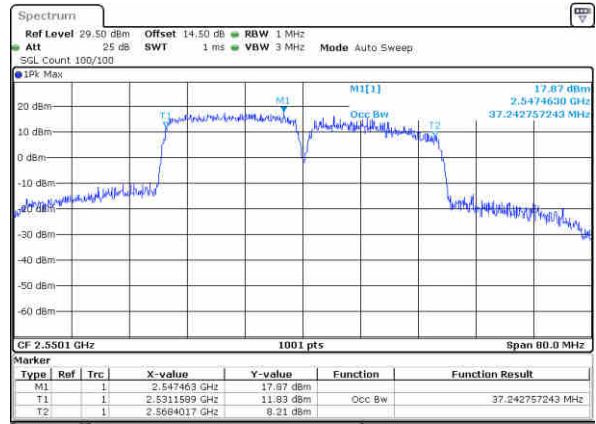
Date: 3 JUL 2020 00:32:01

Highest Channel / 20MHz+15MHz

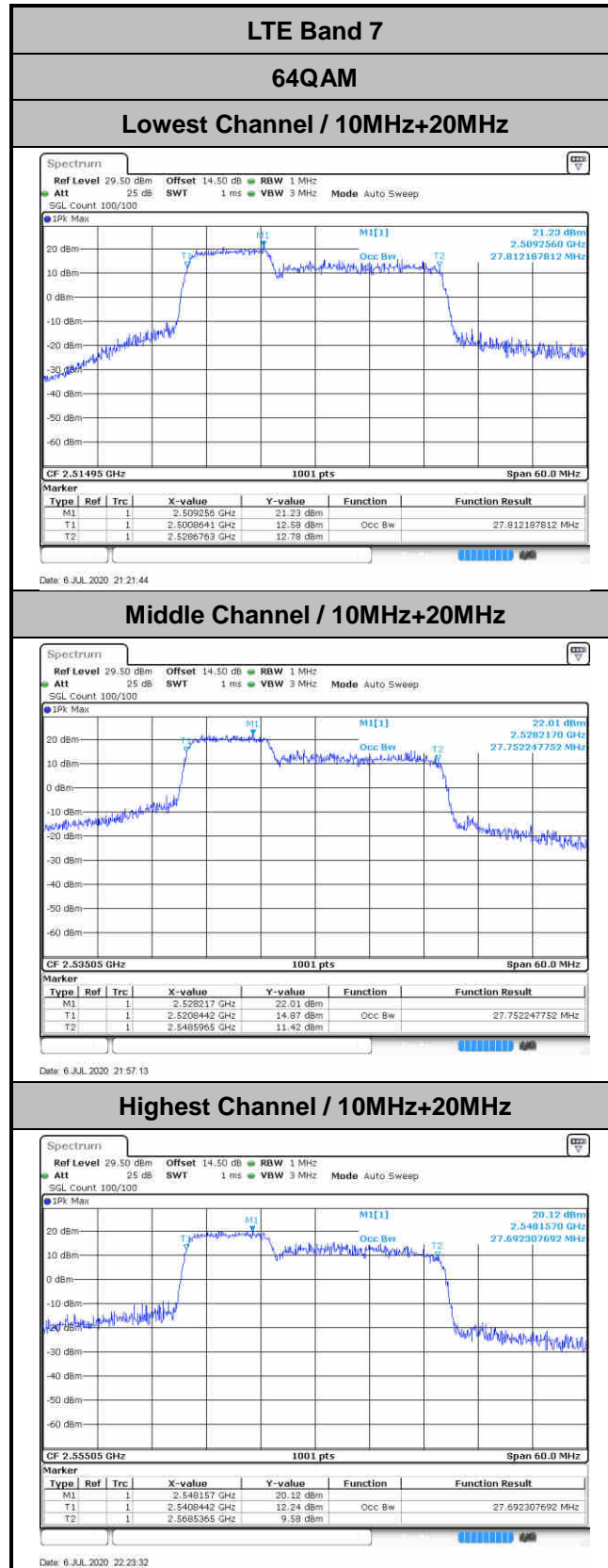


Date: 3 JUL 2020 00:01:51

Highest Channel / 20MHz+20MHz



Date: 3 JUL 2020 01:12:33

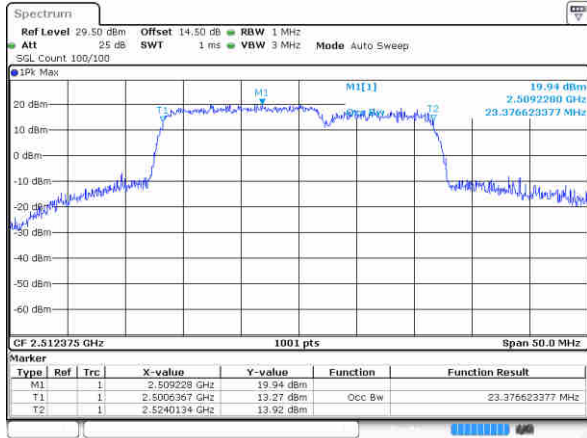




LTE Band 7

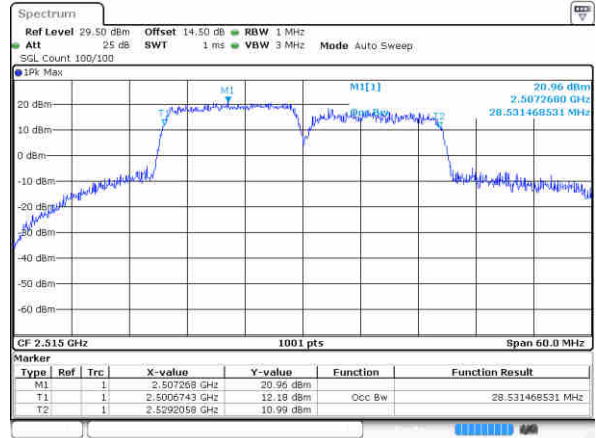
64QAM

Lowest Channel / 15MHz+10MHz



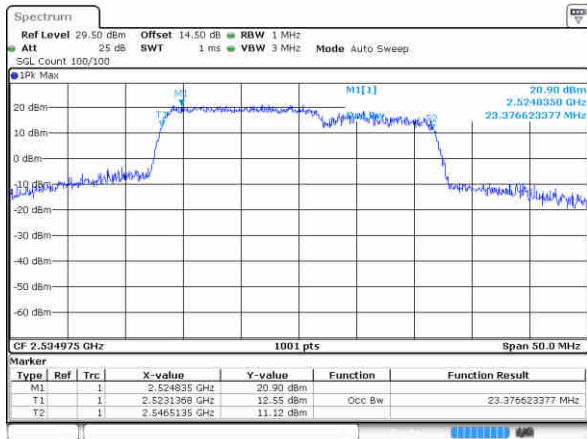
Date: 6 JUL 2020 22:46:01

Lowest Channel / 15MHz+15MHz



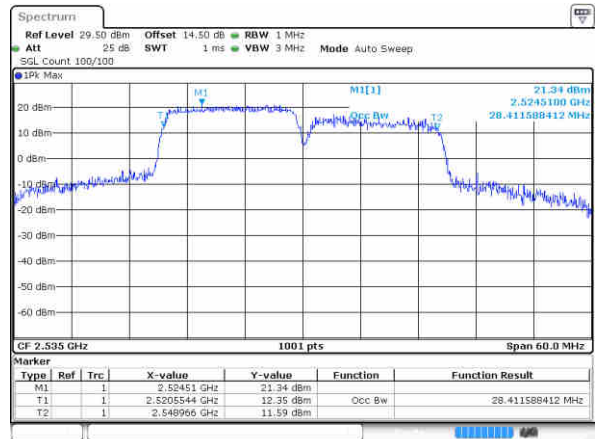
Date: 1 JUL 2020 23:48:52

Middle Channel / 15MHz+10MHz



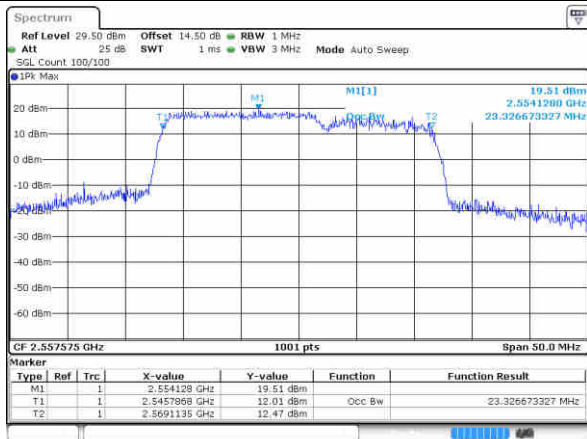
Date: 6 JUL 2020 23:19:01

Middle Channel / 15MHz+15MHz



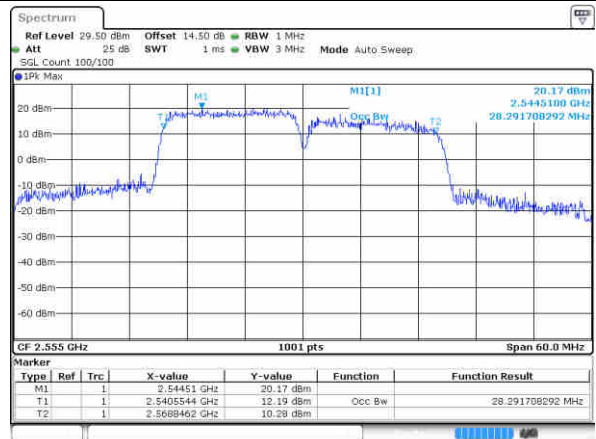
Date: 2 JUL 2020 00:04:02

Highest Channel / 15MHz+10MHz



Date: 6 JUL 2020 23:38:58

Highest Channel / 15MHz+15MHz



Date: 2 JUL 2020 00:25:58