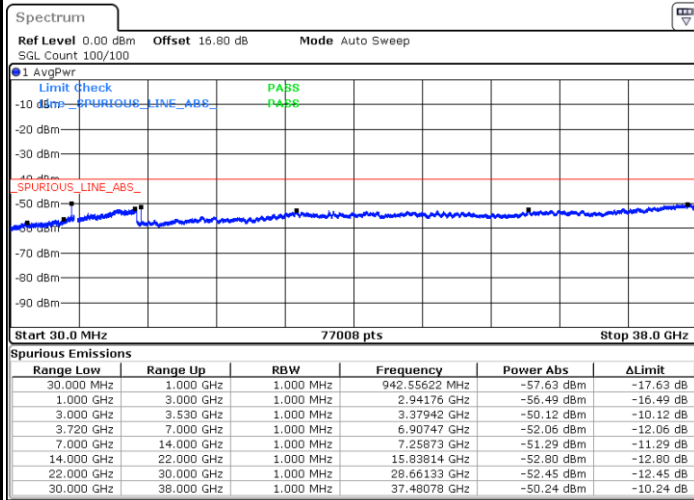




LTE Band 48 / 10MHz

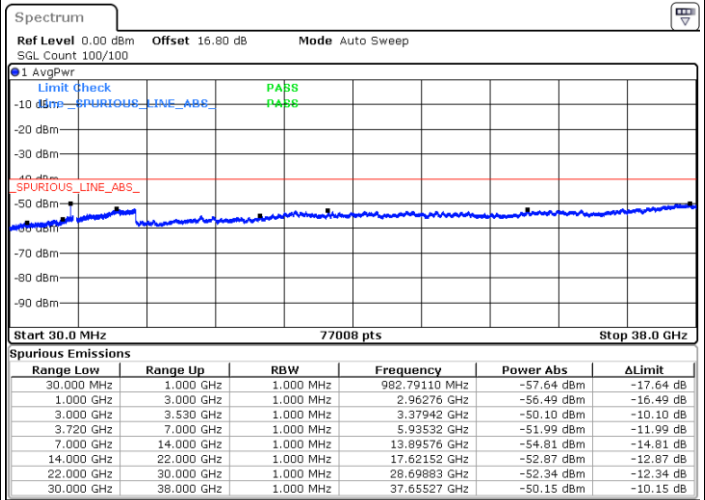
64QAM

MiddleChannel / 1RB0



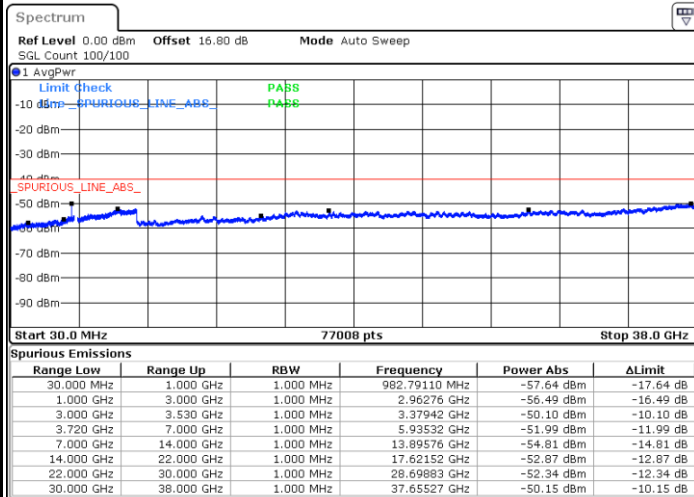
Date: 4.JUL.2020 22:57:44

Middle Channel / 1RBmax



Date: 4.JUL.2020 22:48:05

Middle Channel / FullIRB



Date: 4.JUL.2020 22:48:05

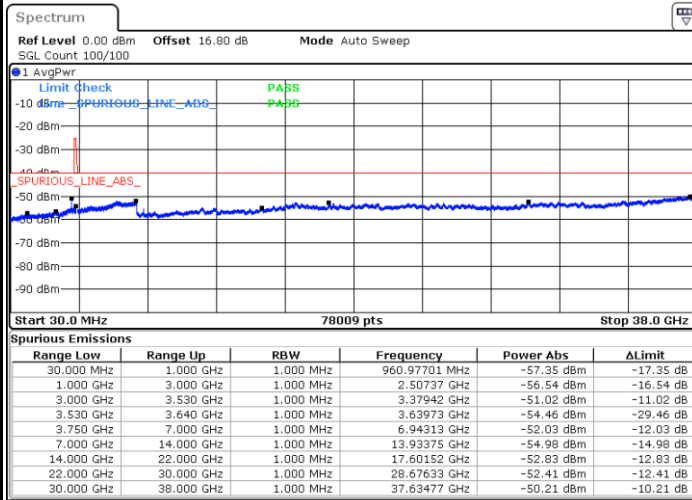
N/A



LTE Band 48 / 10MHz

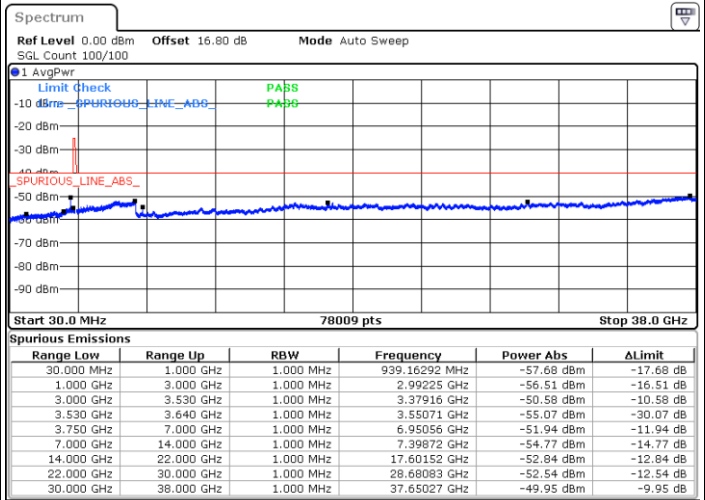
64QAM

Highest Channel / 1RB0



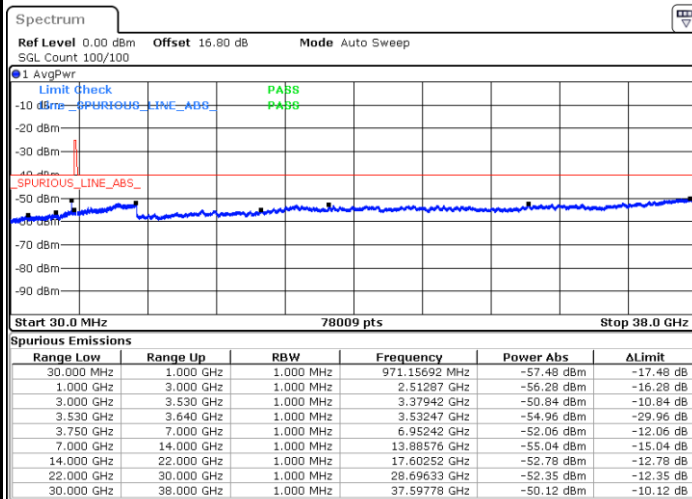
Date: 4.JUL.2020 22:19:29

Highest Channel / 1RBmax



Date: 4.JUL.2020 22:58:49

Highest Channel / FullRB



Date: 4.JUL.2020 22:49:09

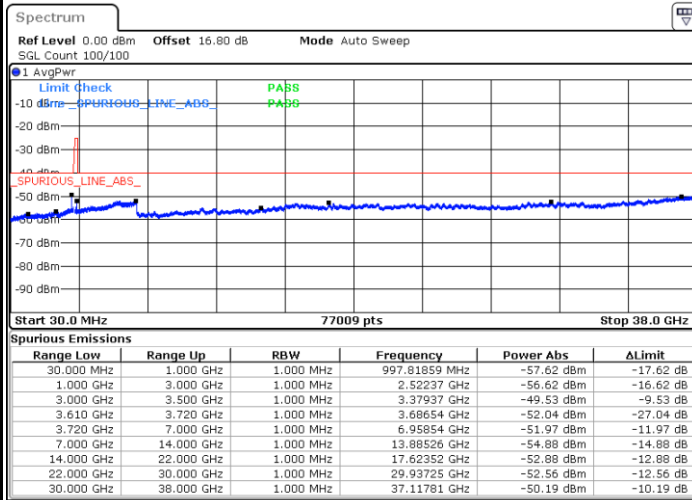
N/A



LTE Band 48 / 15MHz

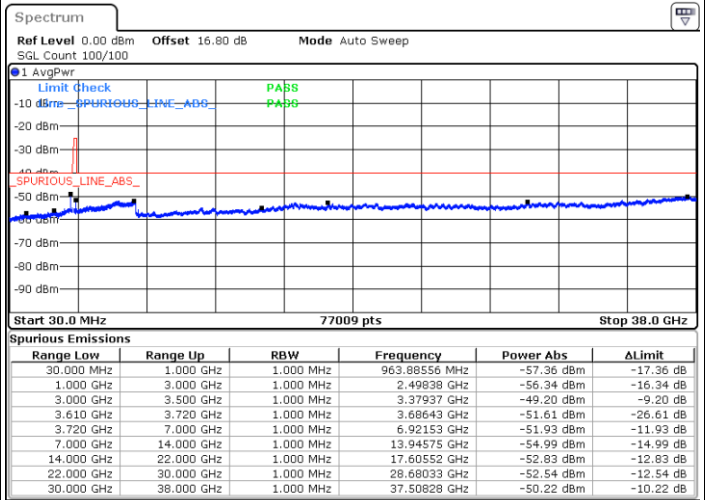
64QAM

Lowest Channel / 1RB0



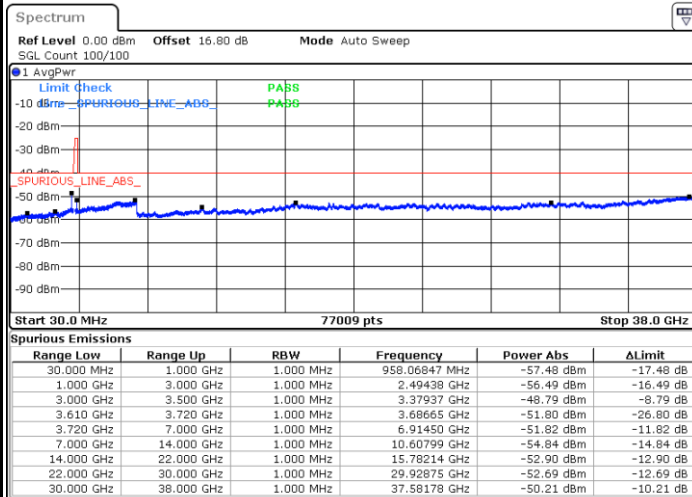
Date: 4.JUL.2020 23:46:41

Lowest Channel / 1RBmax



Date: 5.JUL.2020 00:06:00

Lowest Channel / FullRB



Date: 4.JUL.2020 23:56:20

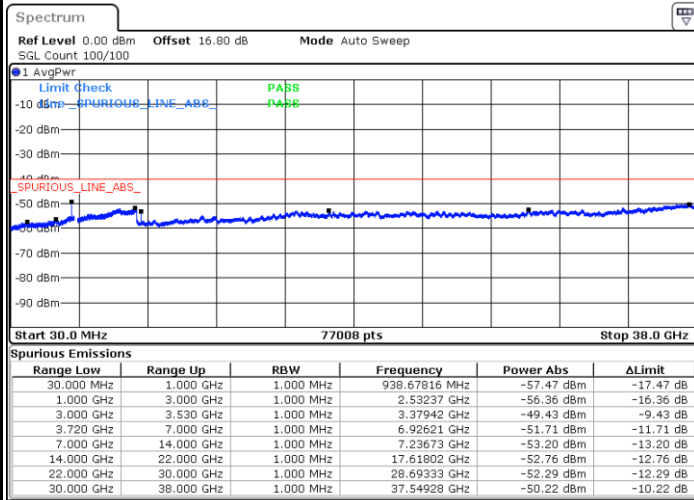
N/A



LTE Band 48 / 15MHz

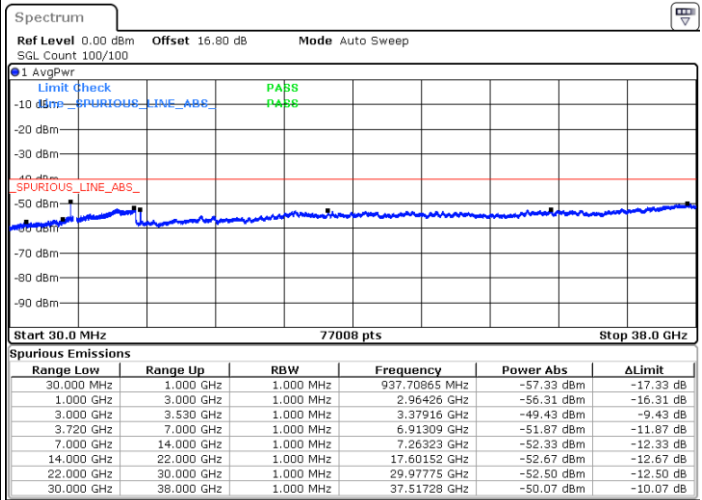
64QAM

Middle Channel / 1RB0



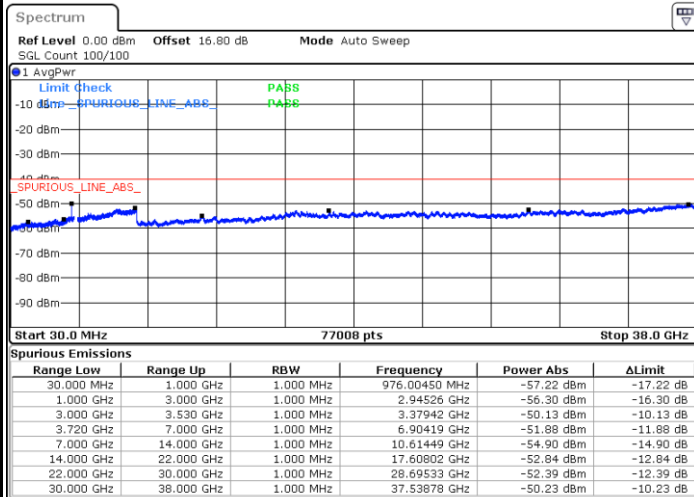
Date: 4.JUL.2020 23:47:45

Middle Channel / 1RBmax



Date: 5.JUL.2020 00:07:05

Middle Channel / FullIRB



Date: 4.JUL.2020 23:57:24

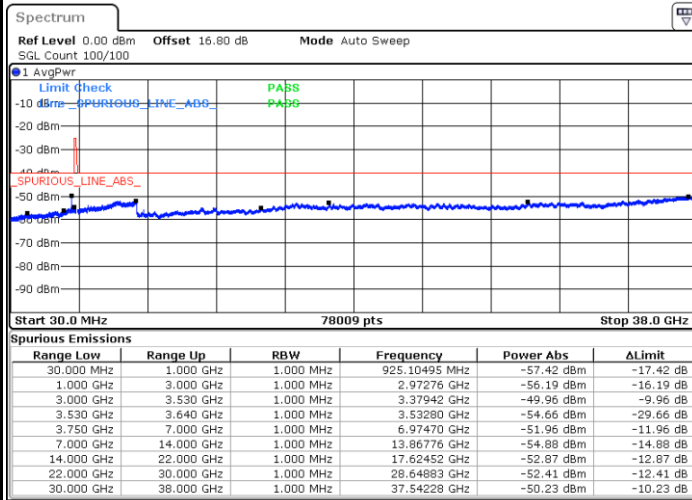
N/A



LTE Band 48 / 15MHz

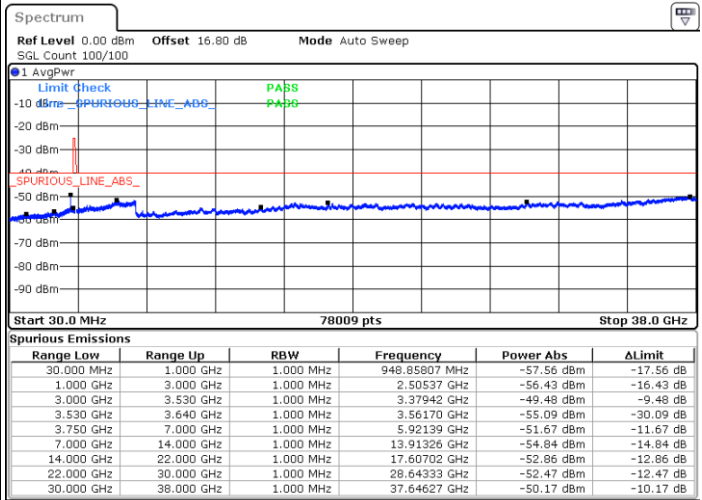
64QAM

Highest Channel / 1RB0



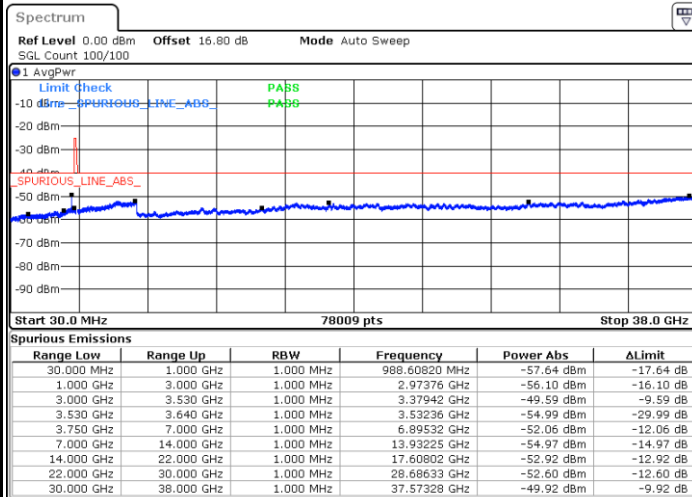
Date: 4.JUL.2020 23:53:06

Highest Channel / 1RBmax



Date: 5.JUL.2020 00:12:26

Highest Channel / FullRB



Date: 5.JUL.2020 00:02:47

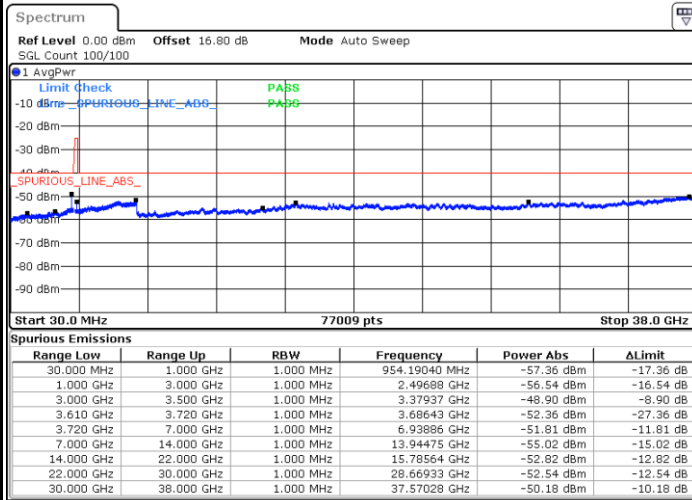
N/A



LTE Band 48 / 20MHz

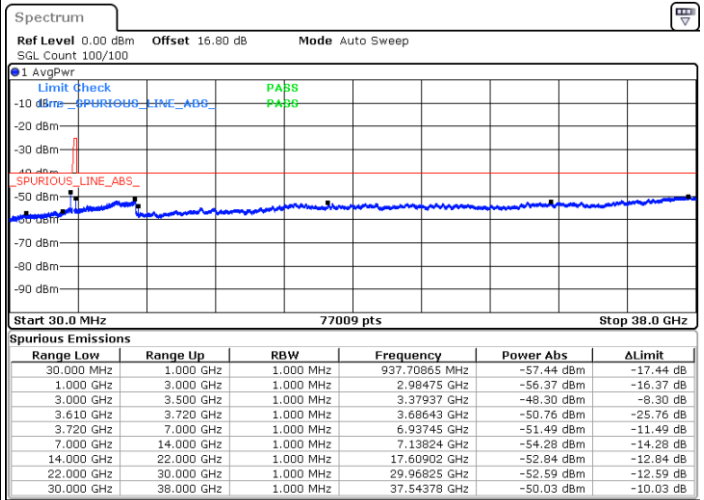
64QAM

Lowest Channel / 1RB0



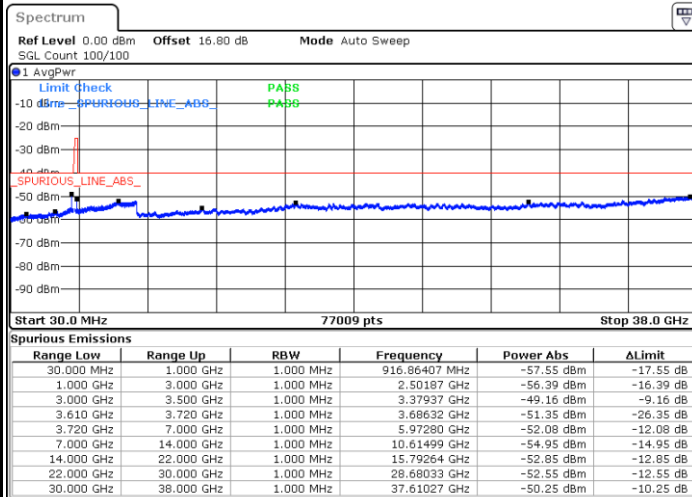
Date: 5.JUL.2020 00:24:34

Lowest Channel / 1RBmax



Date: 5.JUL.2020 10:30:36

Lowest Channel / FullRB



Date: 5.JUL.2020 00:14:54

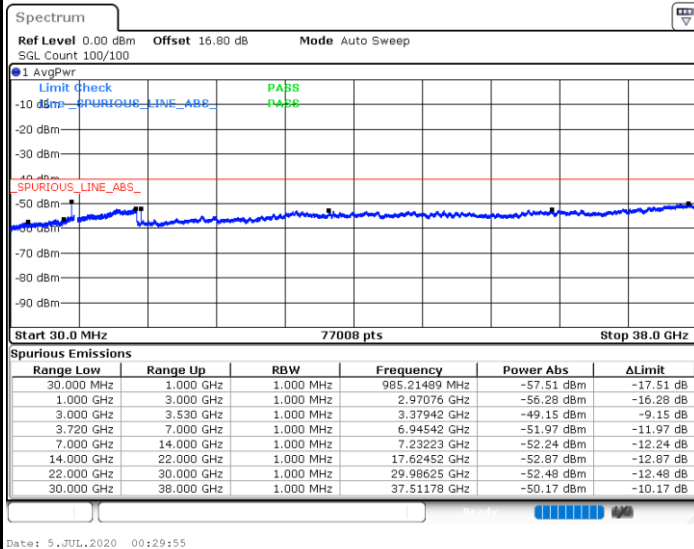
N/A



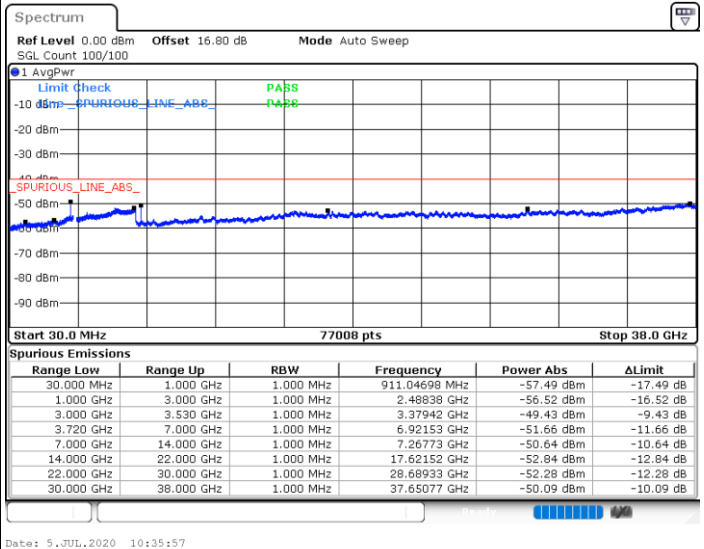
LTE Band 48 / 20MHz

64QAM

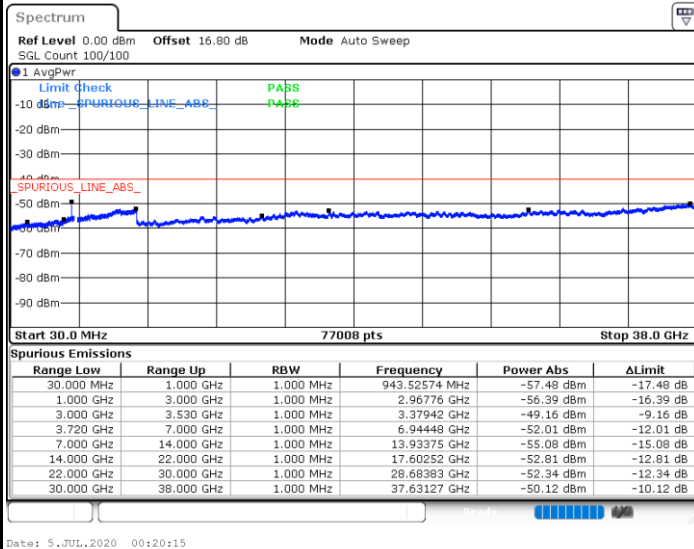
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullIRB



N/A

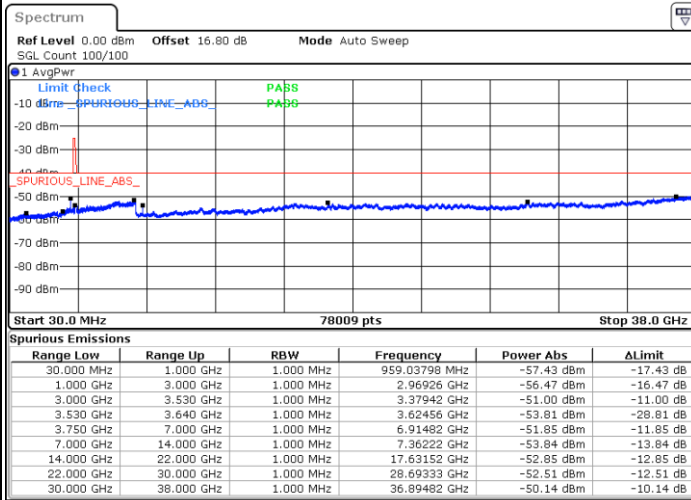


LTE Band 48 / 20MHz

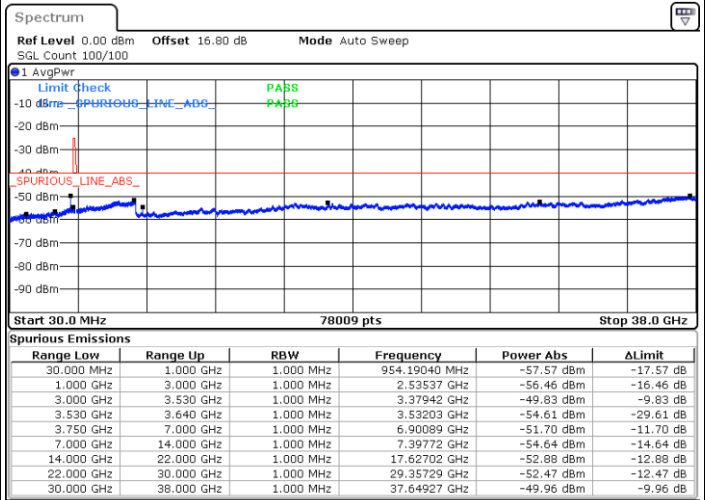
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



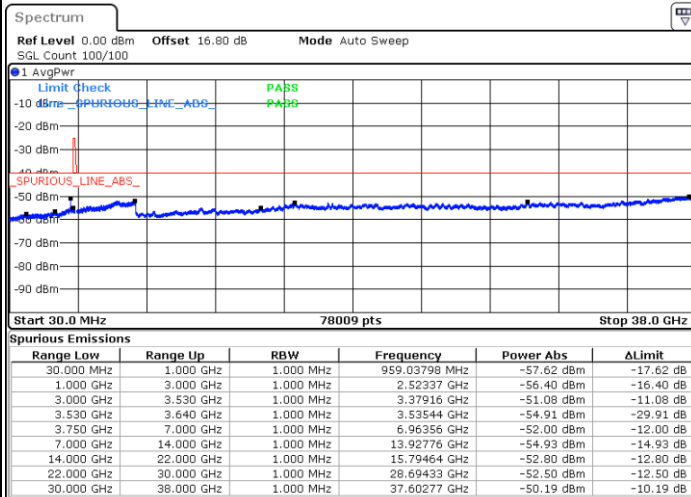
Date: 5.JUL.2020 00:30:59



Date: 5.JUL.2020 10:37:02

Highest Channel / FullRB

N/A



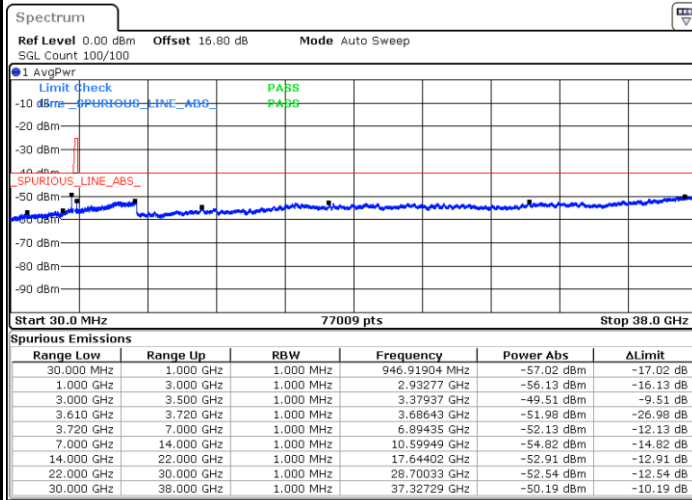
Date: 5.JUL.2020 00:21:20



LTE Band 48 / 5MHz

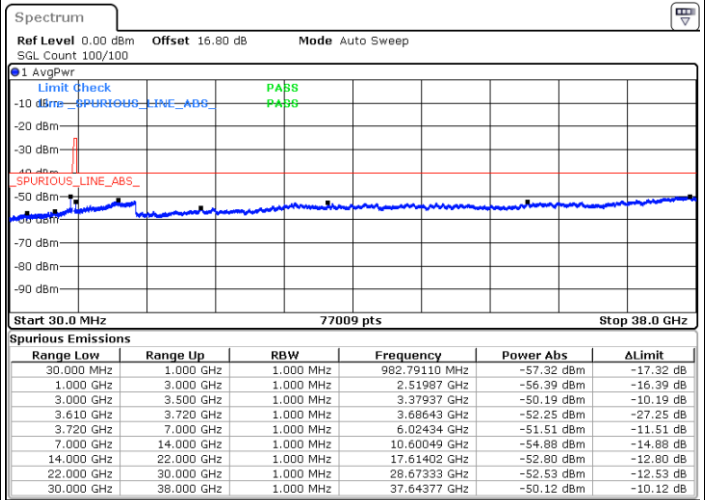
256QAM

Lowest Channel / 1RB0



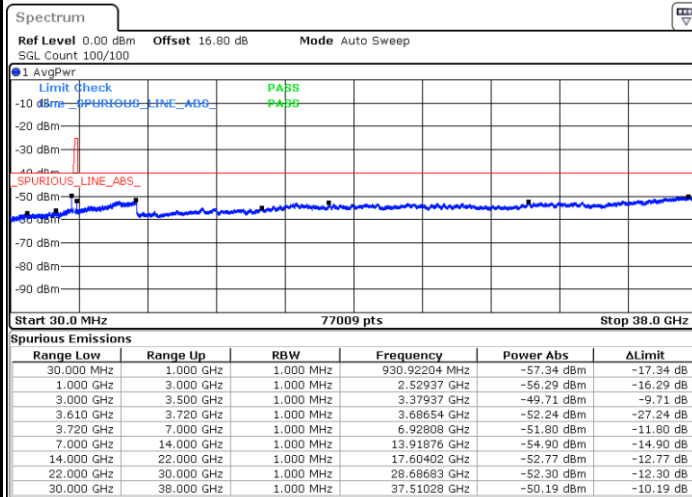
Date: 12.JUL.2020 20:35:22

Lowest Channel / 1RBmax



Date: 12.JUL.2020 20:41:24

Lowest Channel / FullRB



Date: 12.JUL.2020 20:43:42

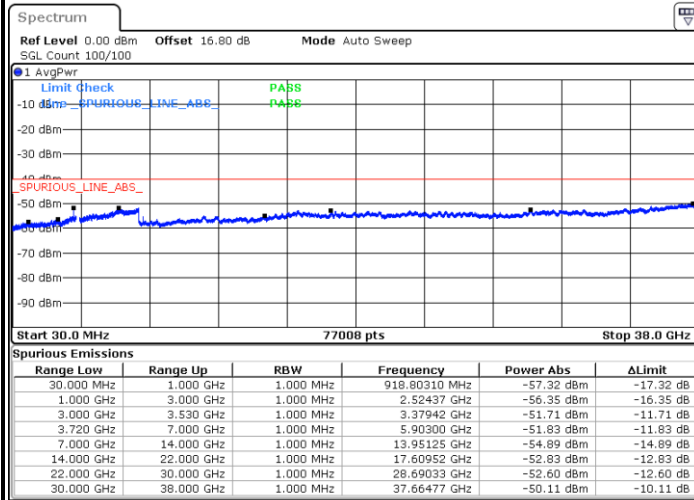
N/A



LTE Band 48 / 5MHz

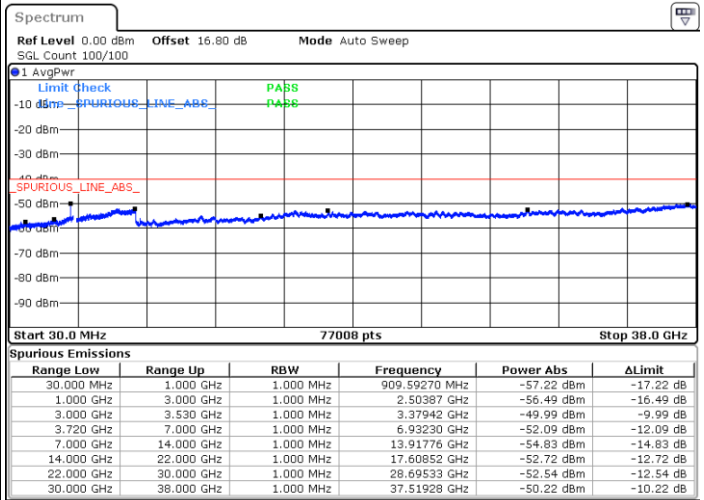
256QAM

Middle Channel / 1RB0



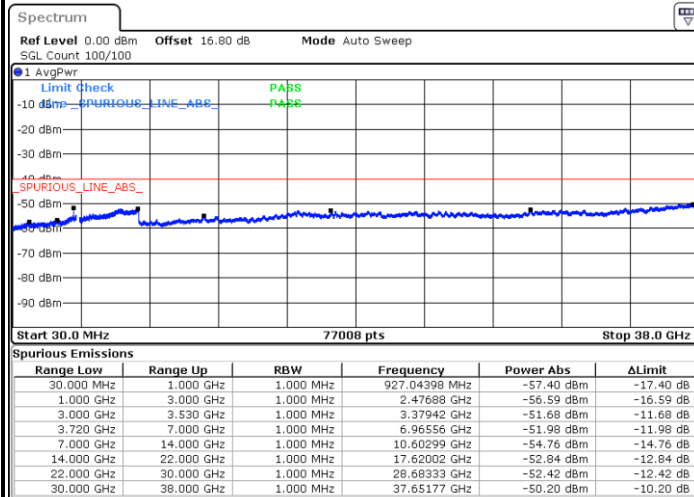
Date: 12.JUL.2020 20:49:24

Middle Channel / 1RBmax



Date: 12.JUL.2020 20:50:40

Middle Channel / FullIRB



Date: 12.JUL.2020 20:47:02

N/A

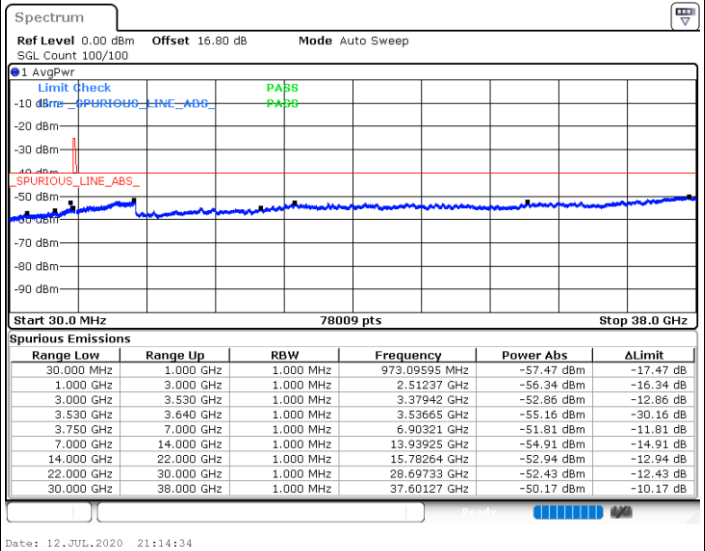
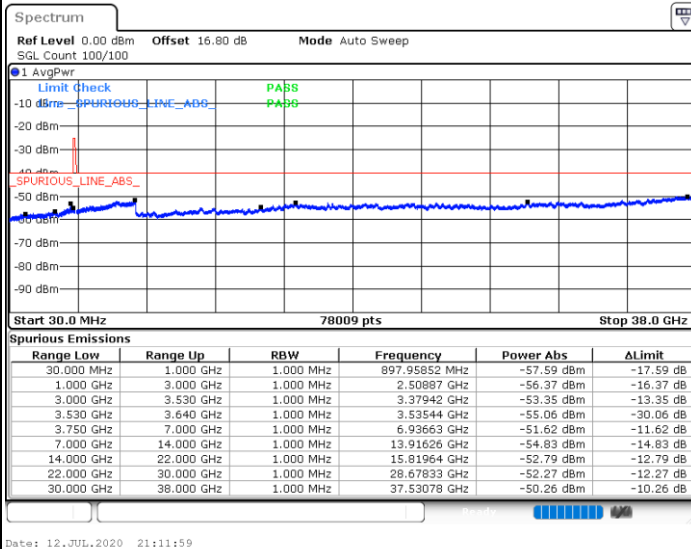


LTE Band 48 / 5MHz

256QAM

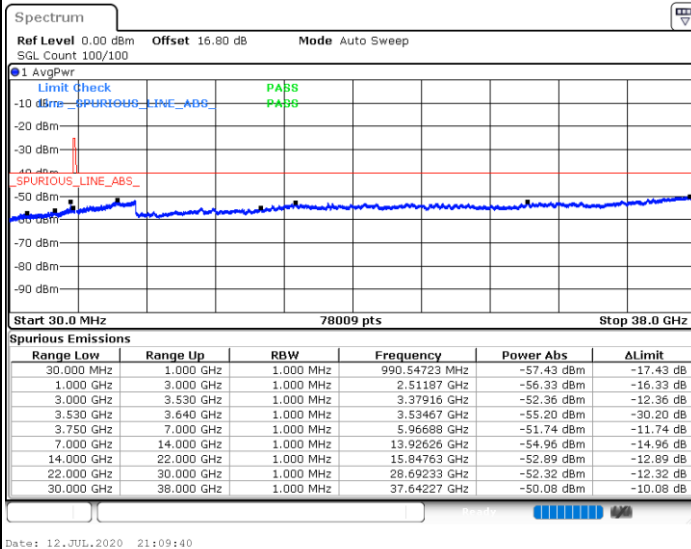
Highest Channel / 1RB0

Highest Channel / 1RBmax



Highest Channel / FullRB

N/A

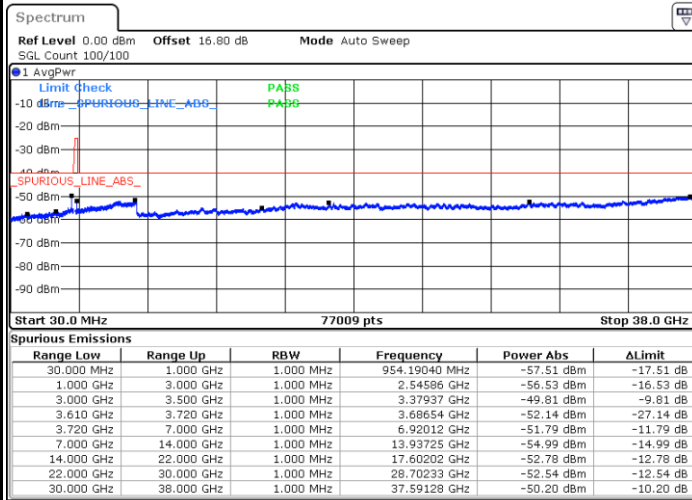




LTE Band 48 / 10MHz

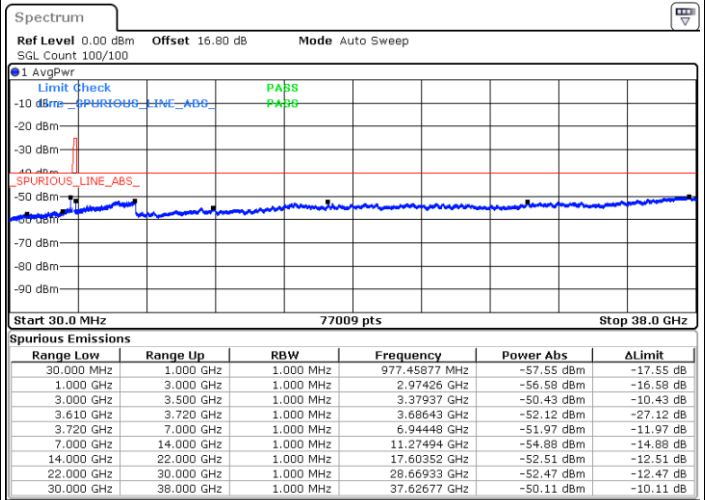
256QAM

Lowest Channel / 1RB0



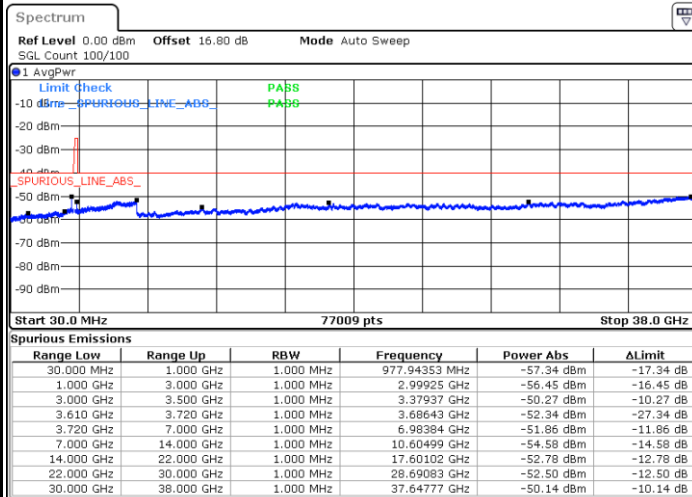
Date: 12.JUL.2020 21:31:29

Lowest Channel / 1RBmax



Date: 12.JUL.2020 21:33:24

Lowest Channel / FullIRB



Date: 12.JUL.2020 21:28:34

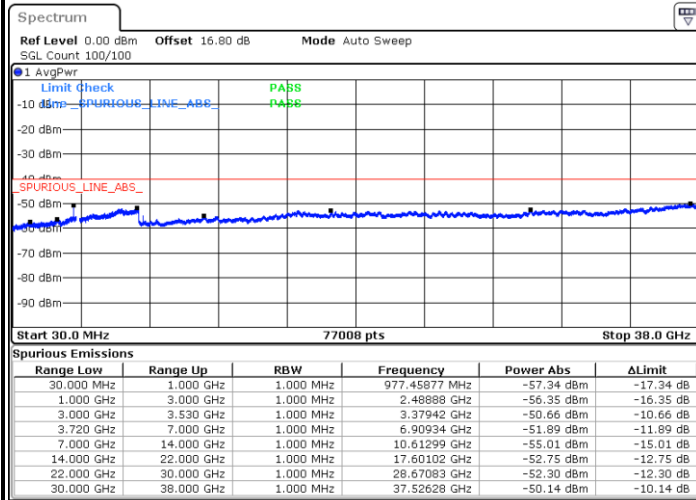
N/A



LTE Band 48 / 10MHz

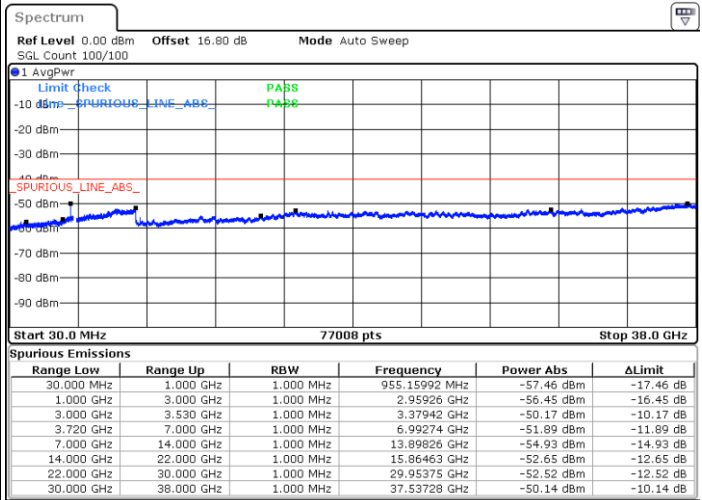
256QAM

MiddleChannel / 1RB0



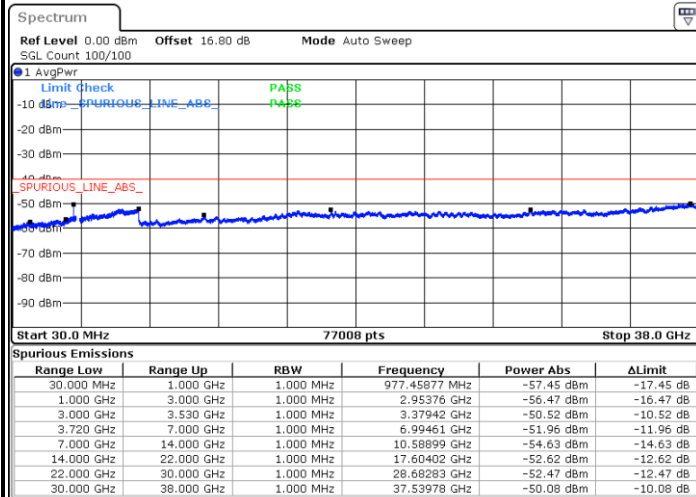
Date: 12.JUL.2020 21:38:39

Middle Channel / 1RBmax



Date: 12.JUL.2020 21:40:42

Middle Channel / FullIRB



Date: 12.JUL.2020 21:36:06

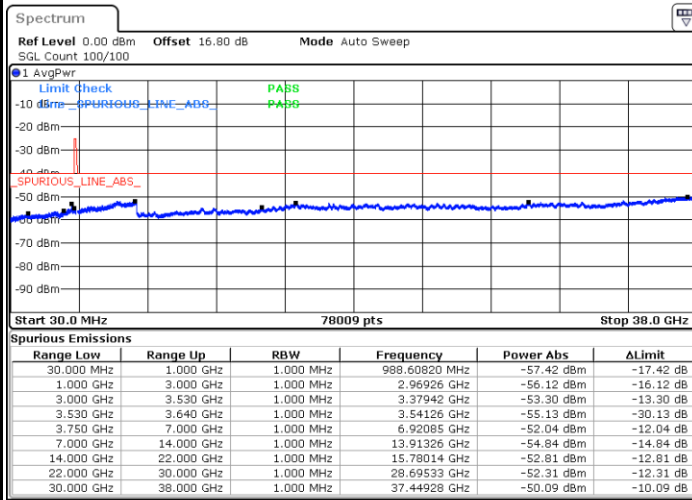
N/A



LTE Band 48 / 10MHz

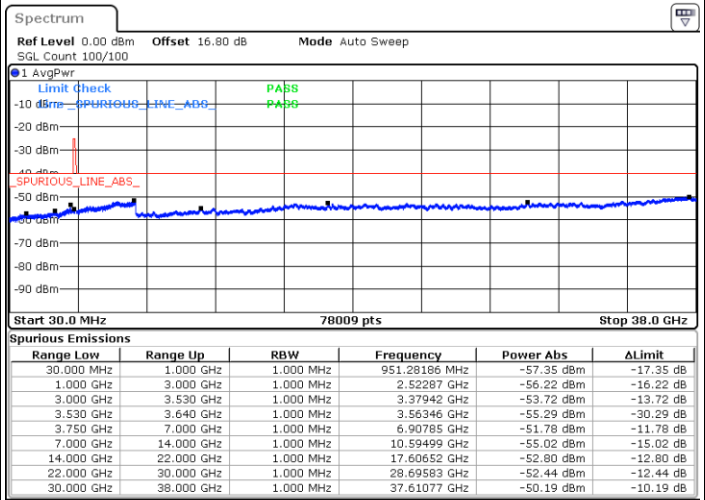
256QAM

Highest Channel / 1RB0



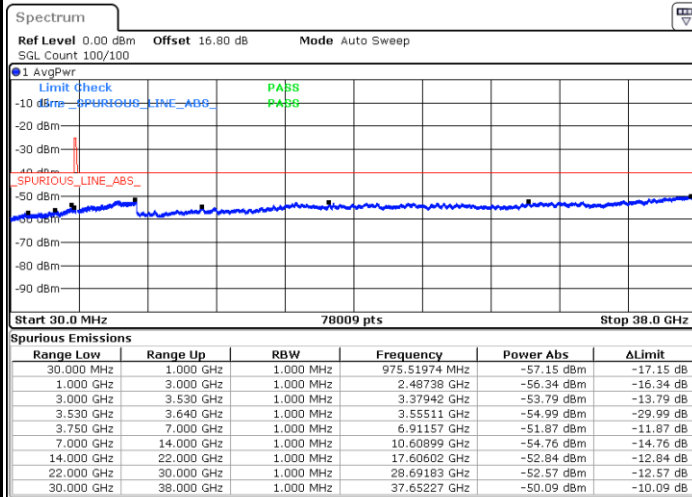
Date: 12.JUL.2020 21:45:25

Highest Channel / 1RBmax



Date: 12.JUL.2020 21:47:25

Highest Channel / FullRB



Date: 12.JUL.2020 21:43:26

N/A

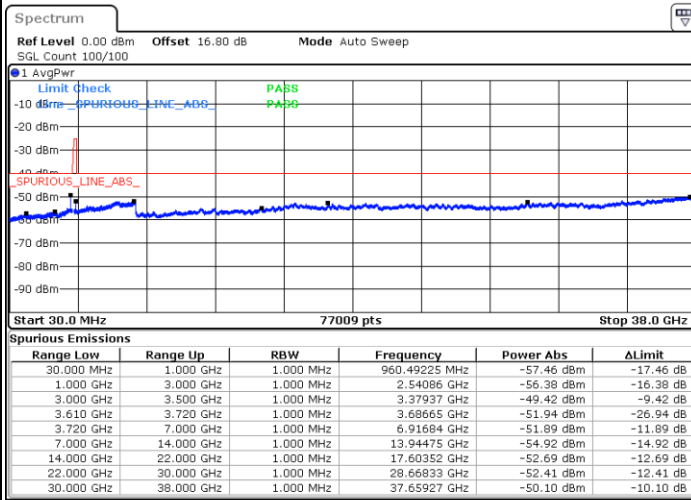


LTE Band 48 / 15MHz

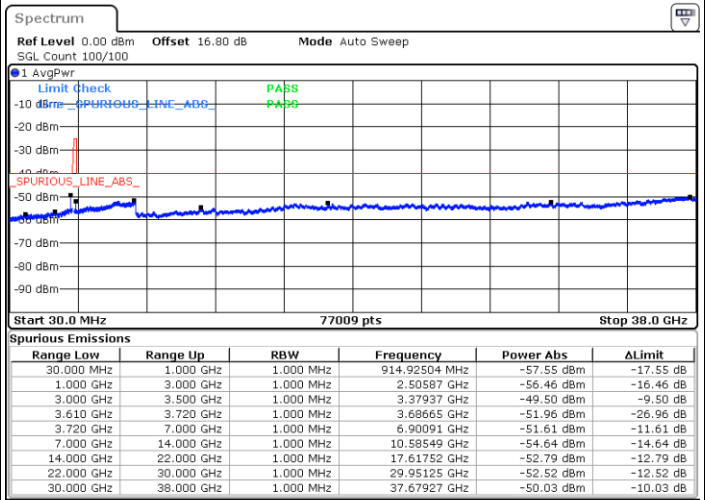
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



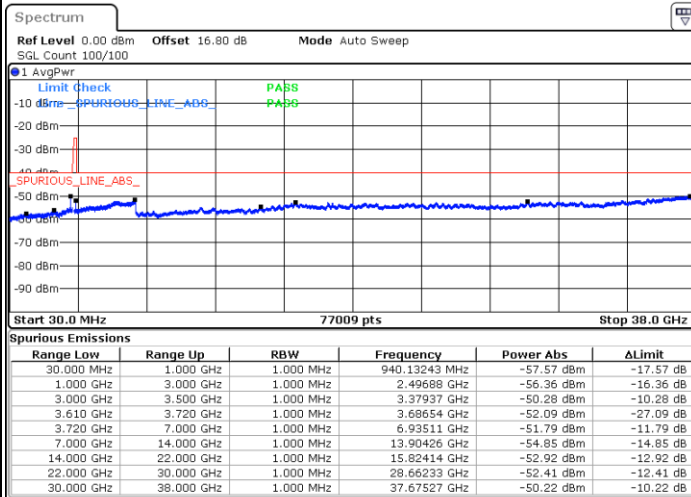
Date: 12.JUL.2020 21:54:07



Date: 12.JUL.2020 21:56:31

Lowest Channel / FullRB

N/A



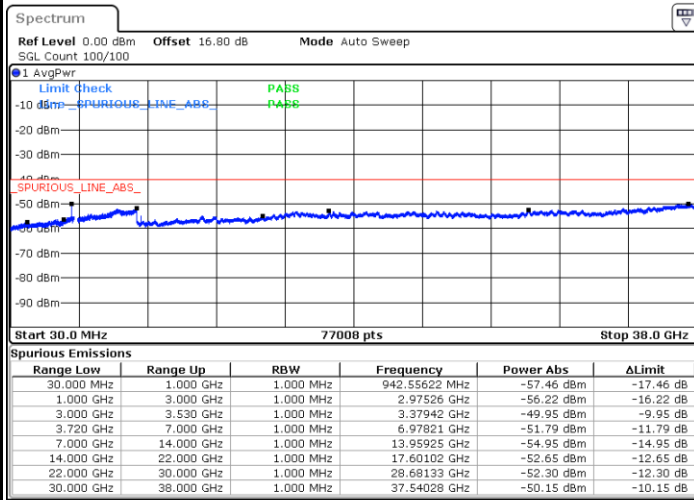
Date: 12.JUL.2020 21:51:45



LTE Band 48 / 15MHz

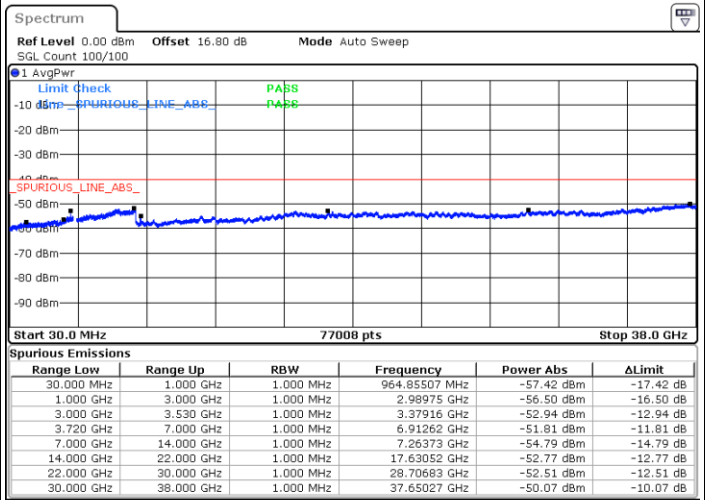
256QAM

Middle Channel / 1RB0



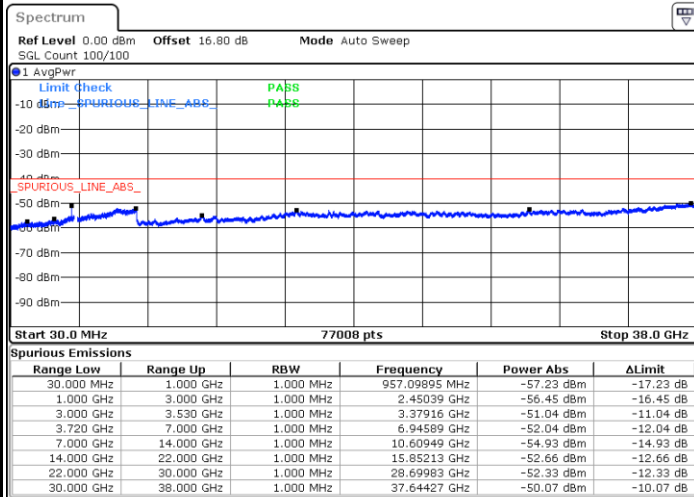
Date: 12..JUL.2020 22:02:46

Middle Channel / 1RBmax



Date: 12..JUL.2020 22:05:43

Middle Channel / FullIRB



Date: 12..JUL.2020 21:59:49

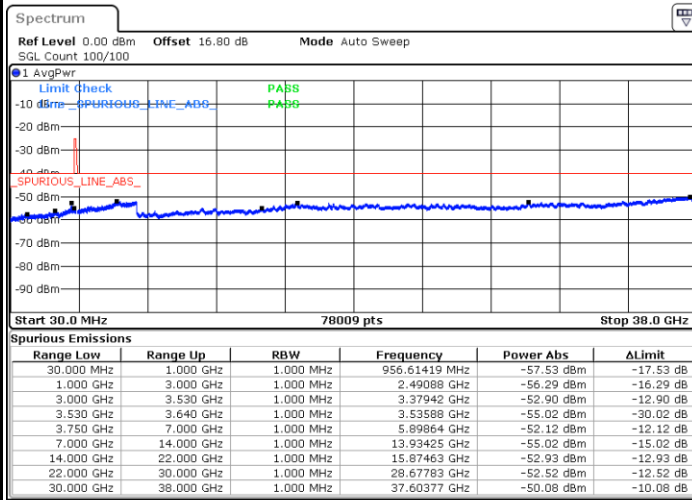
N/A



LTE Band 48 / 15MHz

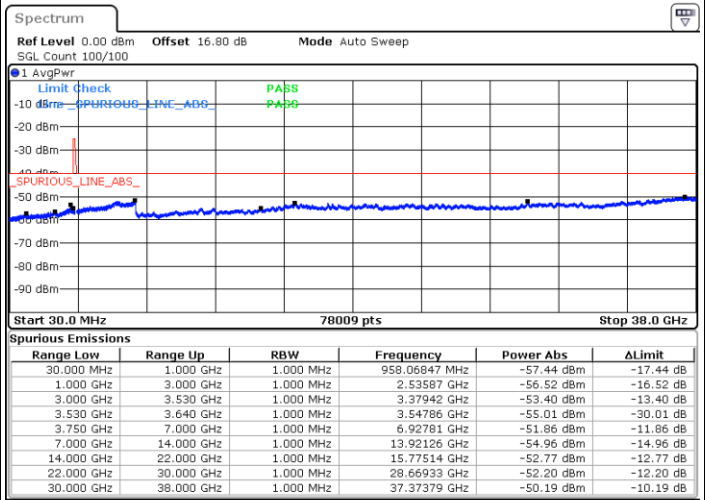
256QAM

Highest Channel / 1RB0



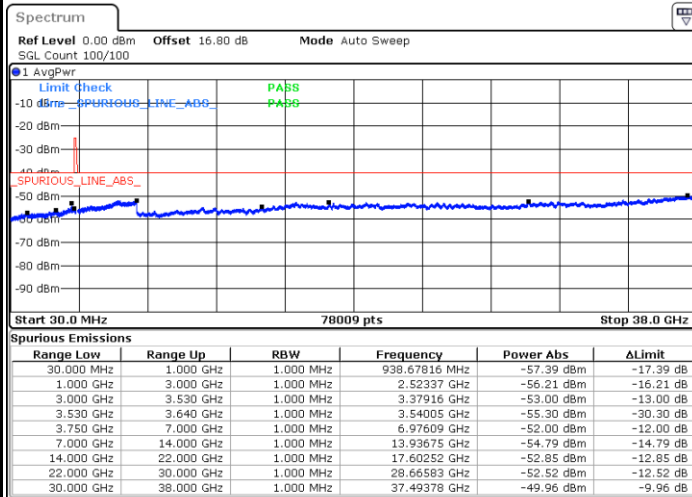
Date: 12.JUL.2020 22:11:32

Highest Channel / 1RBmax



Date: 12.JUL.2020 22:14:15

Highest Channel / FullRB



Date: 12.JUL.2020 22:08:59

N/A

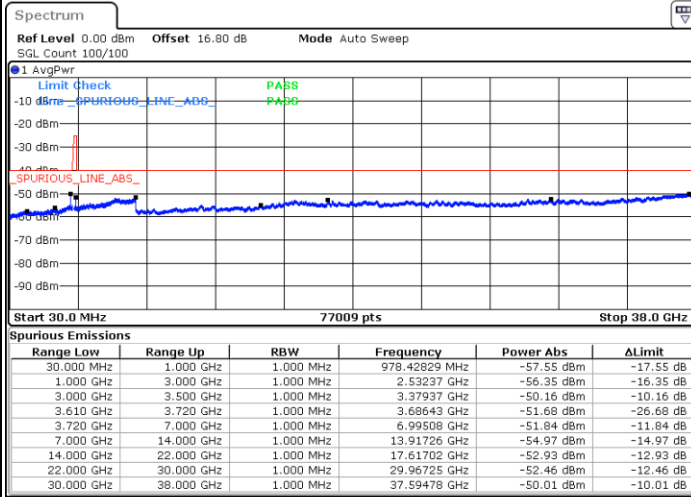


LTE Band 48 / 20MHz

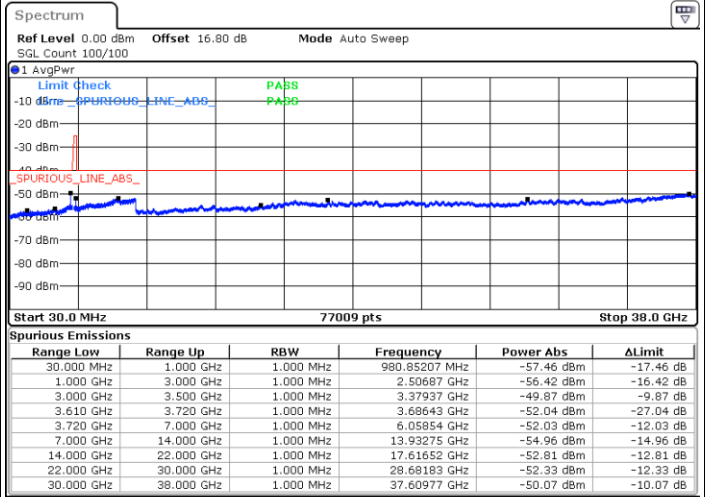
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



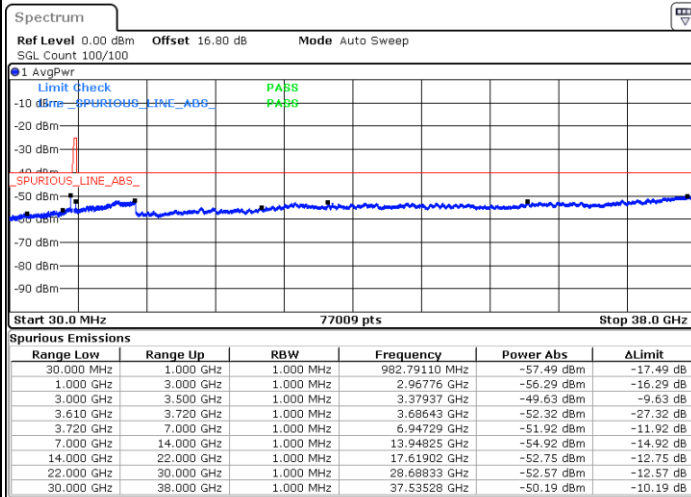
Date: 12.JUL.2020 22:21:00



Date: 12.JUL.2020 22:23:21

Lowest Channel / FullIRB

N/A



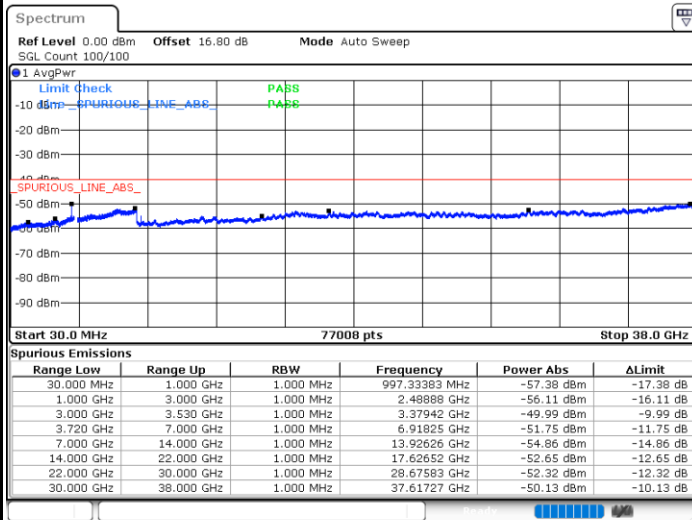
Date: 12.JUL.2020 22:18:32



LTE Band 48 / 20MHz

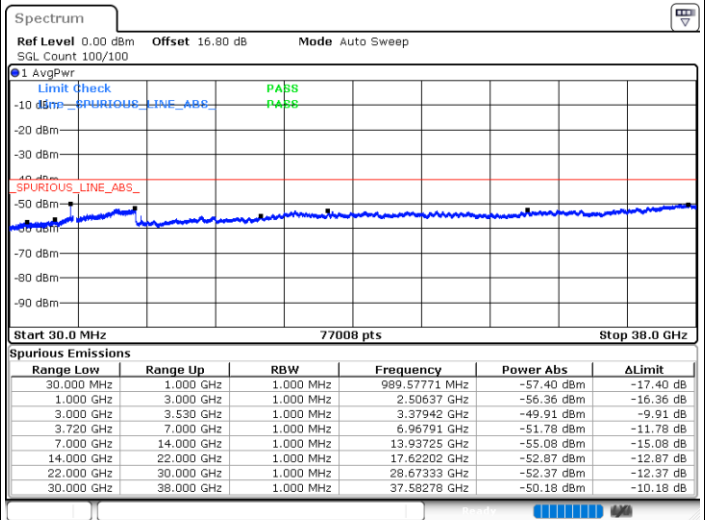
256QAM

Middle Channel / 1RB0



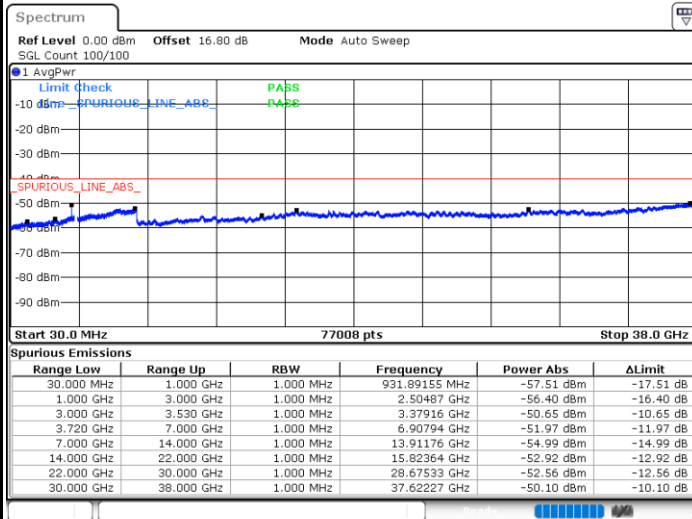
Date: 12.JUL.2020 22:31:12

Middle Channel / 1RBmax



Date: 12.JUL.2020 22:33:52

Middle Channel / FullIRB



Date: 12.JUL.2020 22:28:37

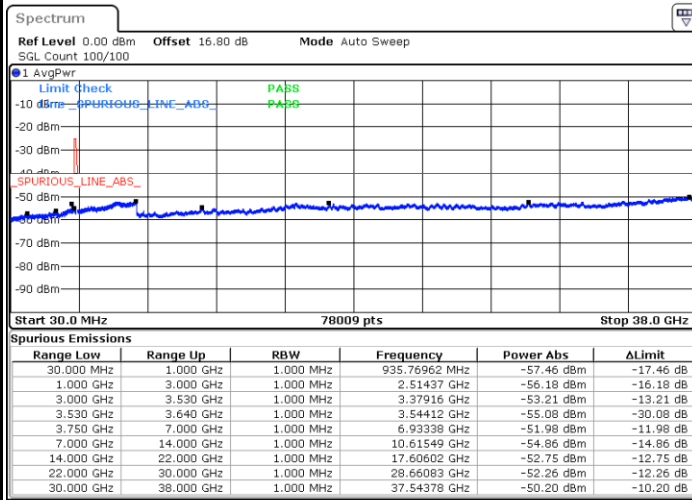
N/A



LTE Band 48 / 20MHz

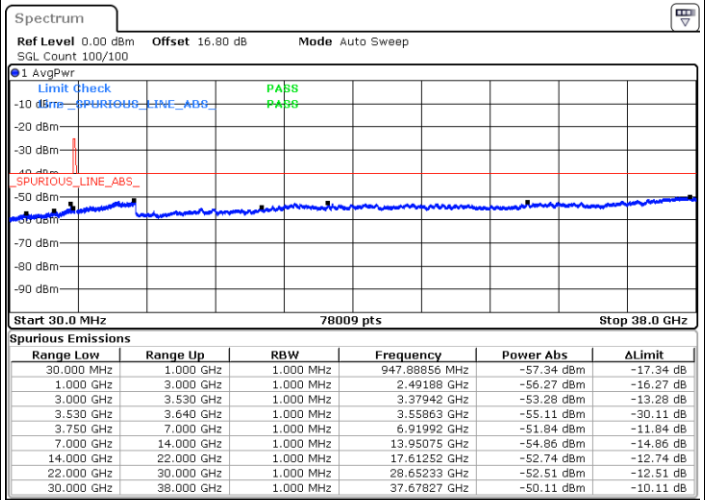
256QAM

Highest Channel / 1RB0



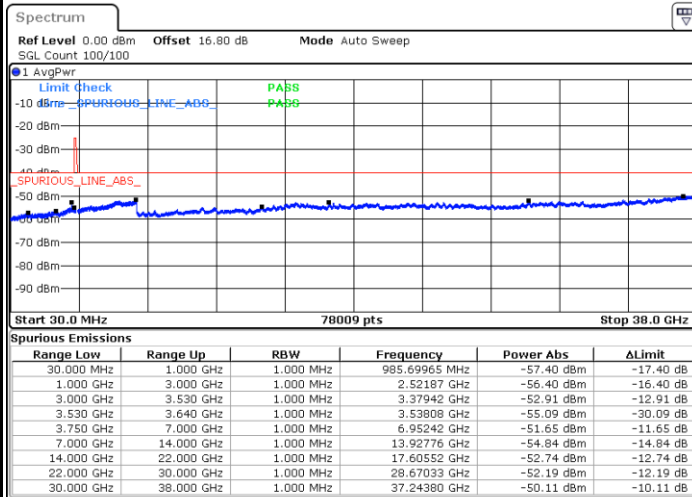
Date: 12.JUL.2020 22:44:23

Highest Channel / 1RBmax



Date: 12.JUL.2020 22:47:15

Highest Channel / FullIRB



Date: 12.JUL.2020 22:41:42

N/A

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.78	29.85	34.76	24.98
Middle CH	24.83	29.85	34.90	24.93
Highest CH	24.73	29.91	34.90	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.83	39.80	-
Middle CH	29.97	34.97	39.96	-
Highest CH	30.03	34.69	39.96	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.63	29.79	34.83	24.78
Middle CH	24.63	29.73	34.76	24.93
Highest CH	24.68	29.73	34.69	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	34.90	39.80	-
Middle CH	29.85	34.90	39.80	-
Highest CH	30.09	34.90	39.72	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.73	29.79	34.83	24.83
Middle CH	24.83	29.91	34.83	25.08
Highest CH	24.63	29.73	34.83	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	34.69	39.88	-
Middle CH	30.09	34.90	39.96	-
Highest CH	30.03	34.90	39.80	-



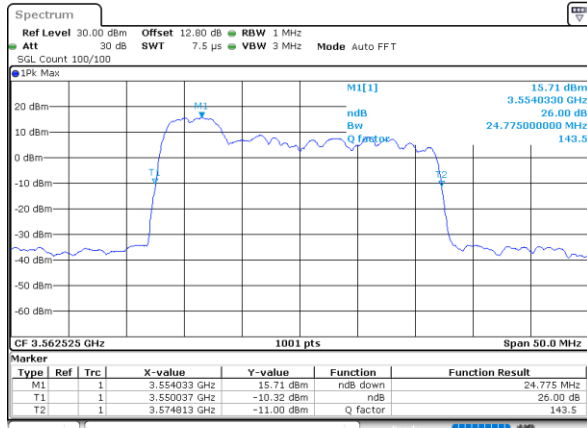
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.73	29.85	34.97	24.83
Middle CH	24.63	29.91	34.90	24.88
Highest CH	24.68	29.73	34.83	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	34.83	39.80	-
Middle CH	29.85	34.83	39.72	-
Highest CH	29.97	34.90	39.72	-



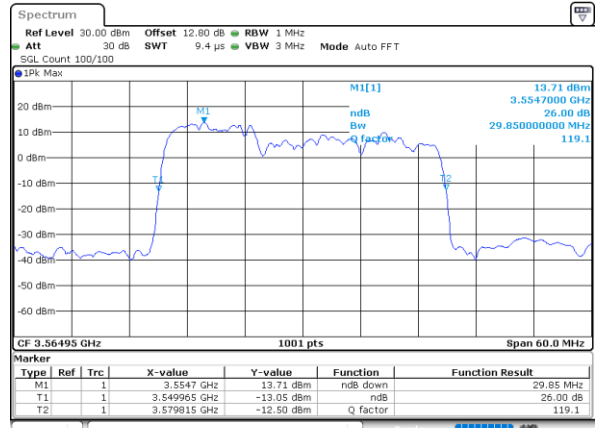
LTE Band 48C

QPSK

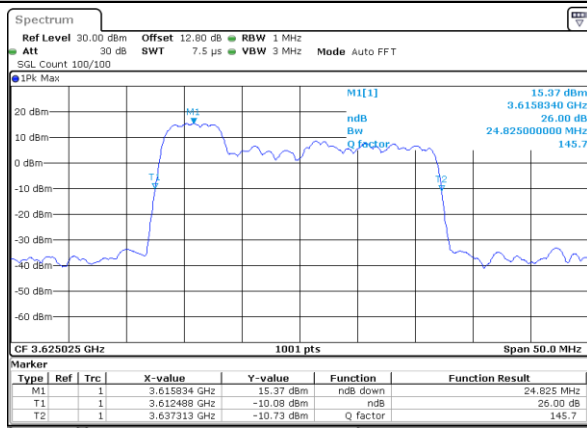
Lowest Channel / 5MHz+20MHz



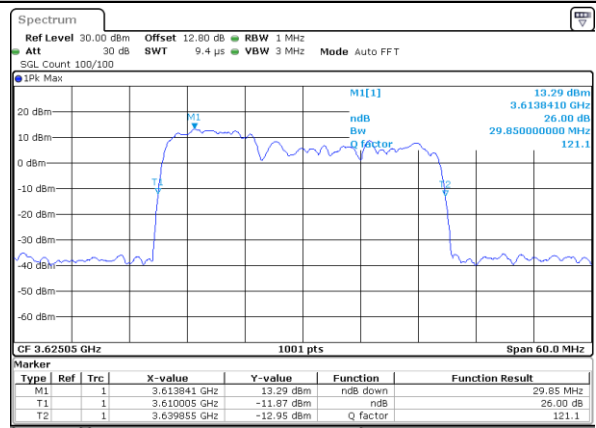
Lowest Channel / 10MHz+20MHz



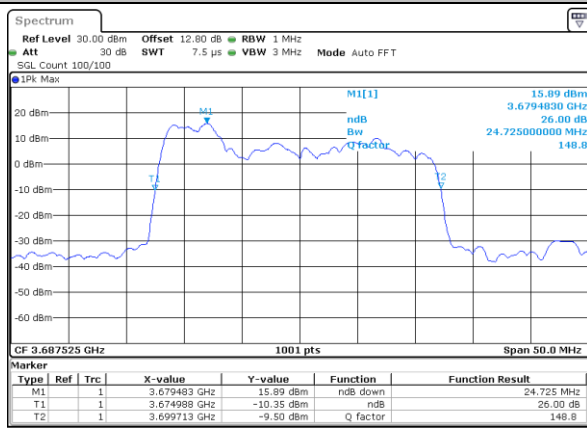
Middle Channel / 5MHz+20MHz



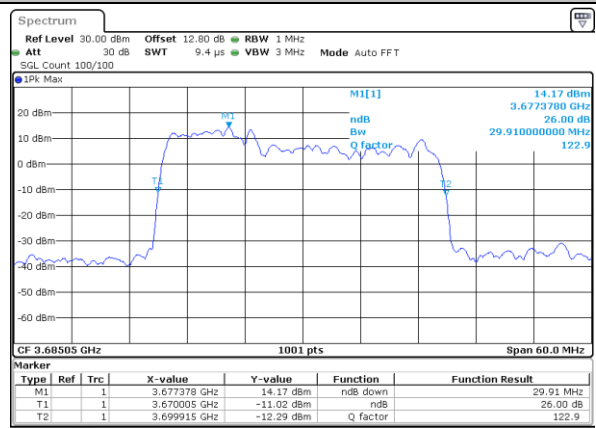
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

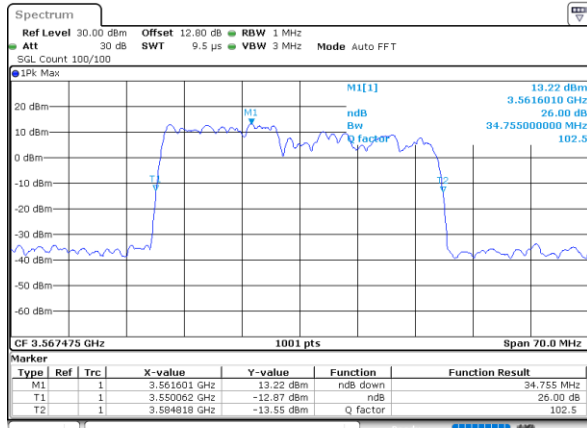




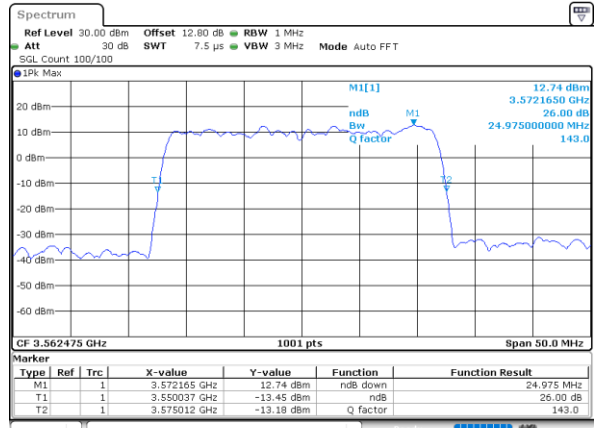
LTE Band 48C

QPSK

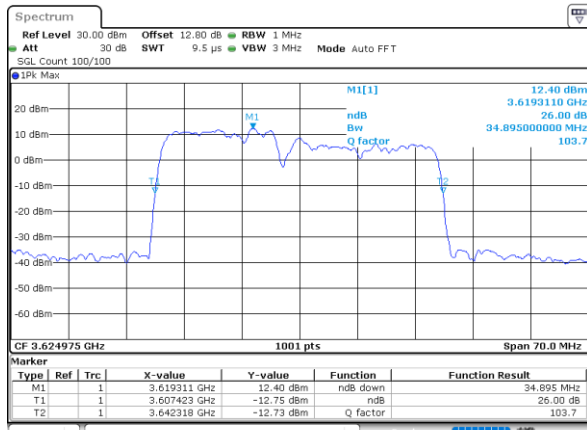
Lowest Channel / 15MHz+20MHz



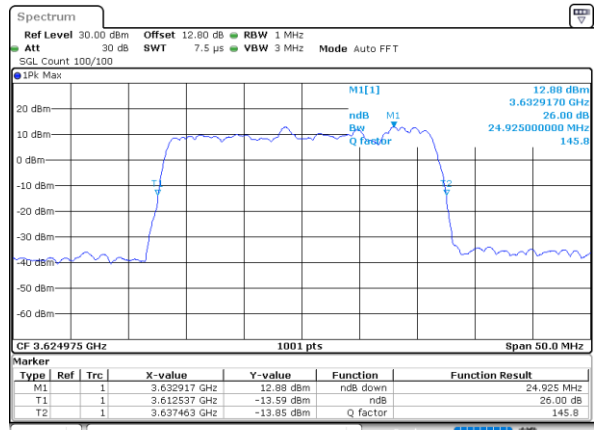
Lowest Channel / 20MHz+5MHz



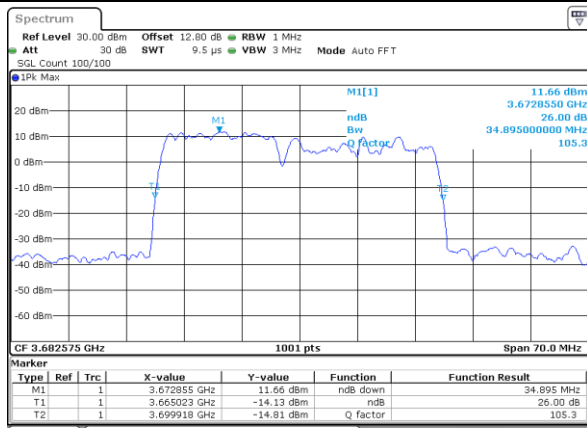
Middle Channel / 15MHz+20MHz



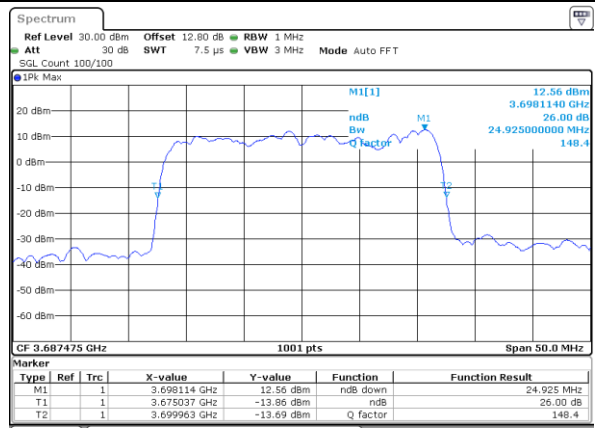
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

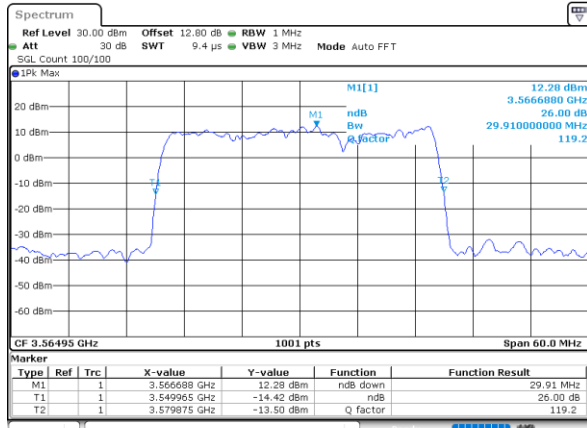




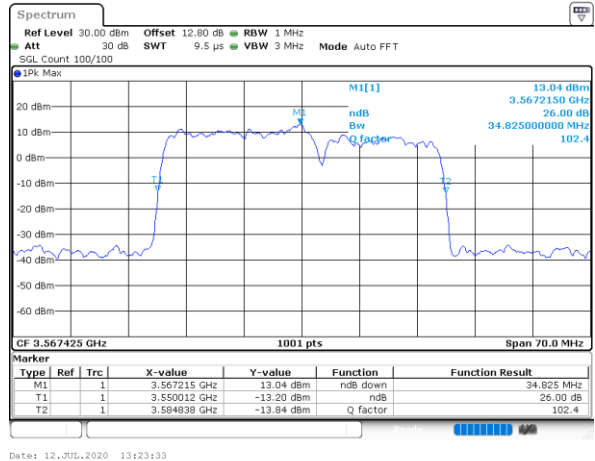
LTE Band 48C

QPSK

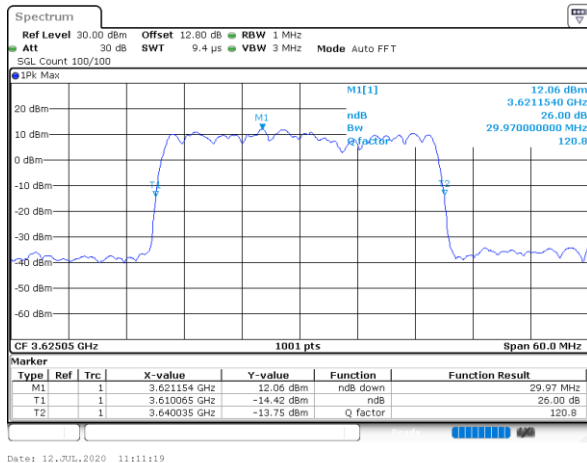
Lowest Channel / 20MHz+10MHz



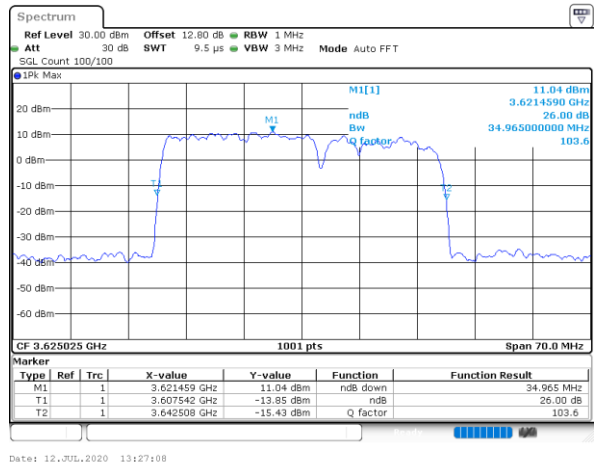
Lowest Channel / 20MHz+15MHz



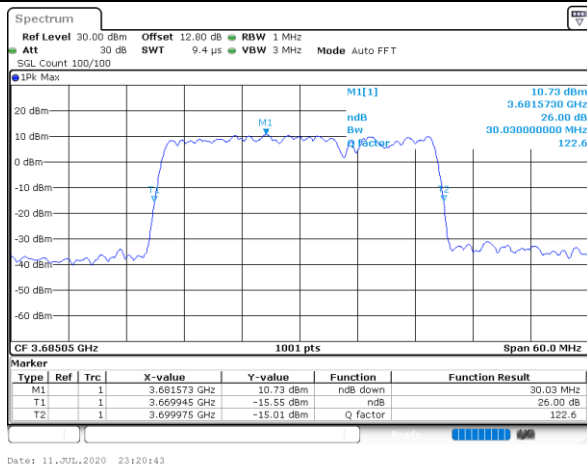
Middle Channel / 20MHz+10MHz



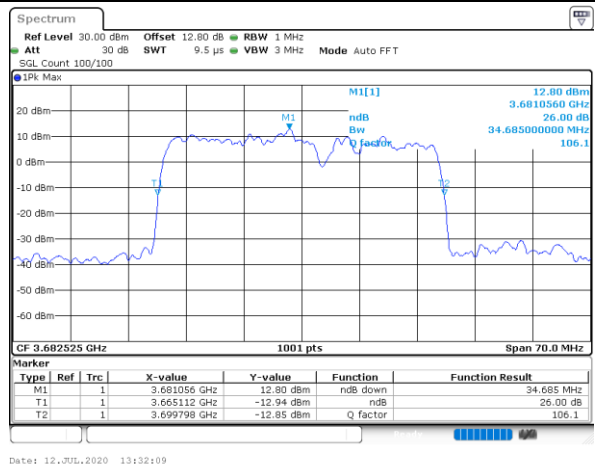
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



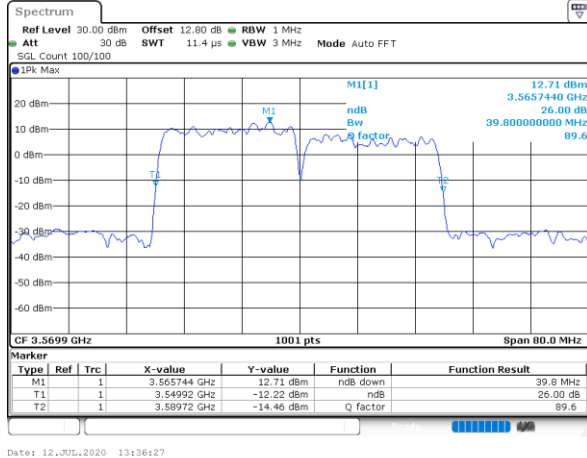


LTE Band 48C

QPSK

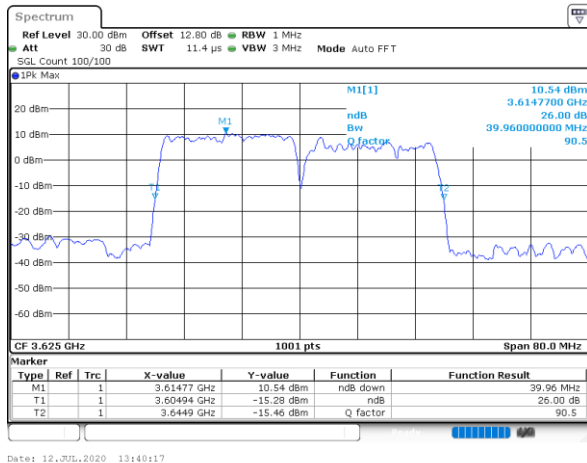
Lowest Channel / 20MHz+20MHz

N/A



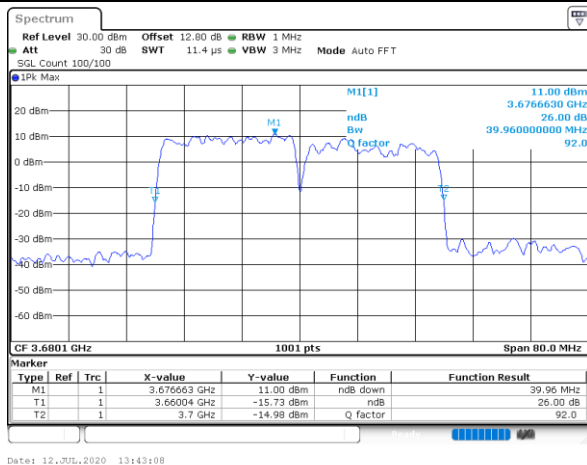
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

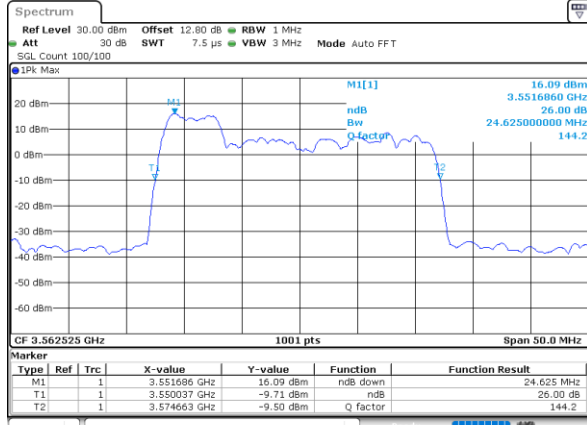




LTE Band 48C

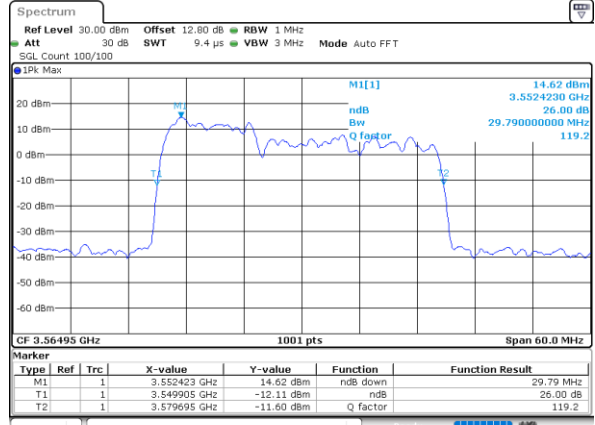
16QAM

Lowest Channel / 5MHz+20MHz



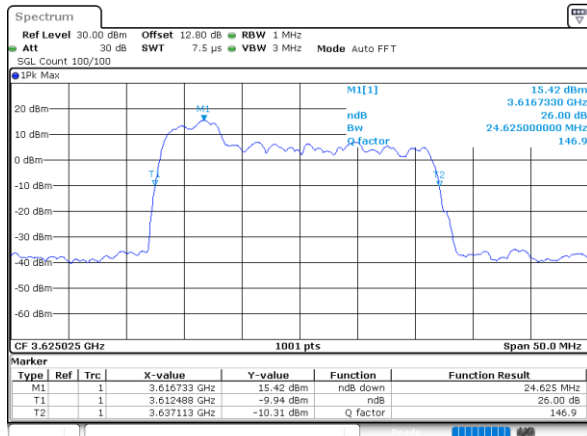
Date: 10_JUL_2020 13:46:22

Lowest Channel / 10MHz+15MHz



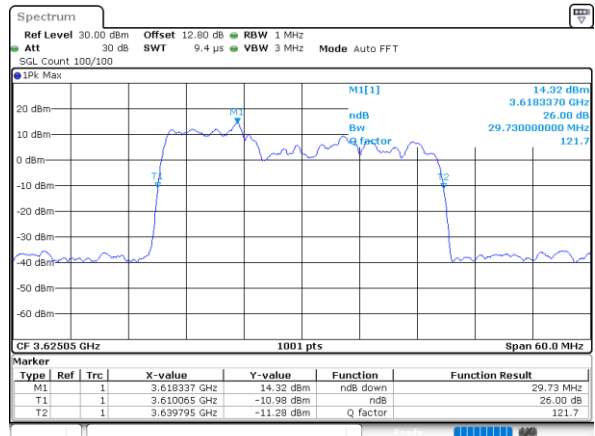
Date: 11_JUL_2020 20:13:27

Middle Channel / 5MHz+20MHz



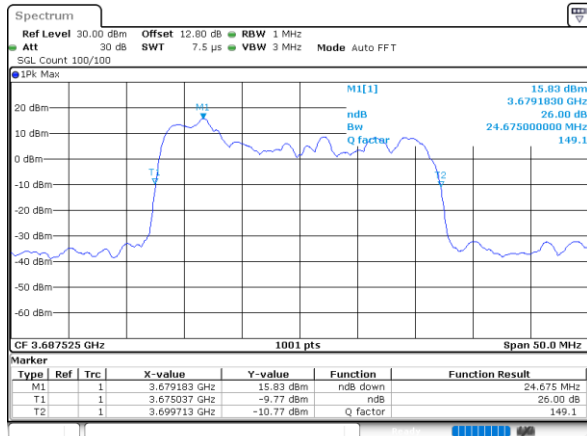
Date: 10_JUL_2020 15:42:43

Middle Channel / 10MHz+20MHz



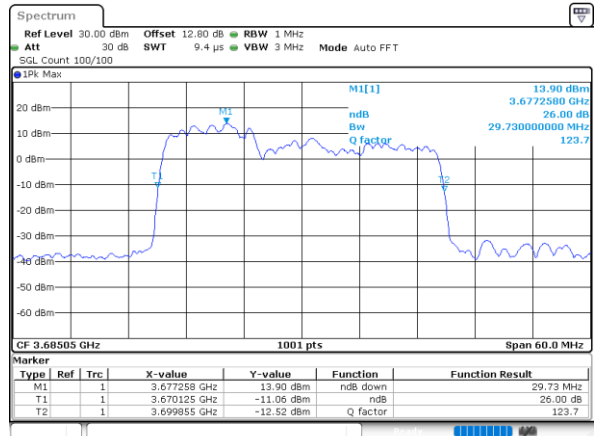
Date: 11_JUL_2020 21:13:10

Highest Channel / 5MHz+20MHz



Date: 10_JUL_2020 14:09:00

Highest Channel / 10MHz+20MHz



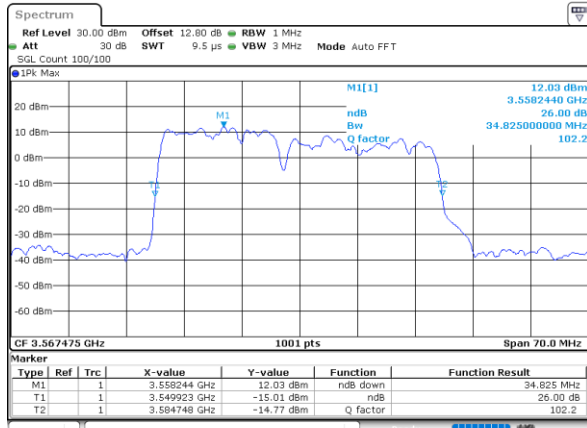
Date: 11_JUL_2020 21:13:27



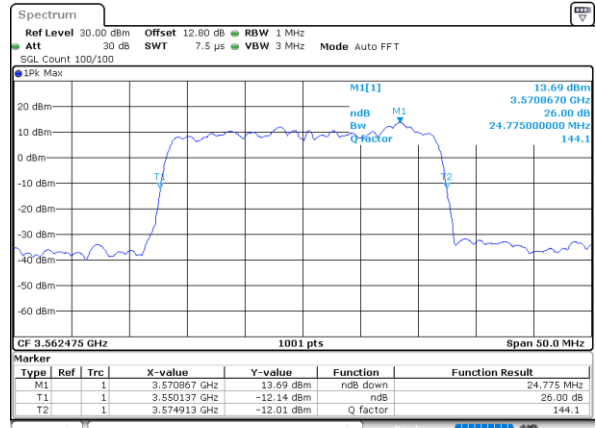
LTE Band 48C

16QAM

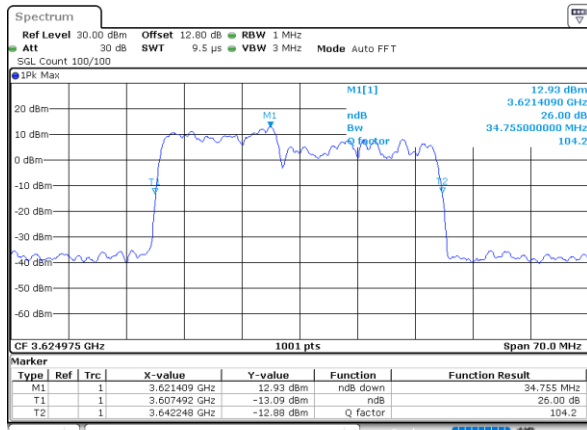
Lowest Channel / 10MHz+20MHz



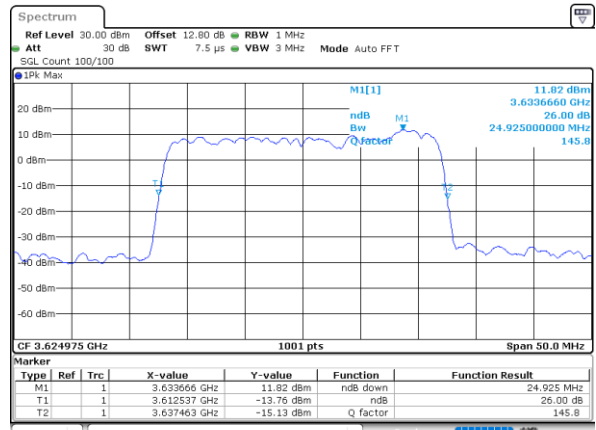
Lowest Channel / 15MHz+10MHz



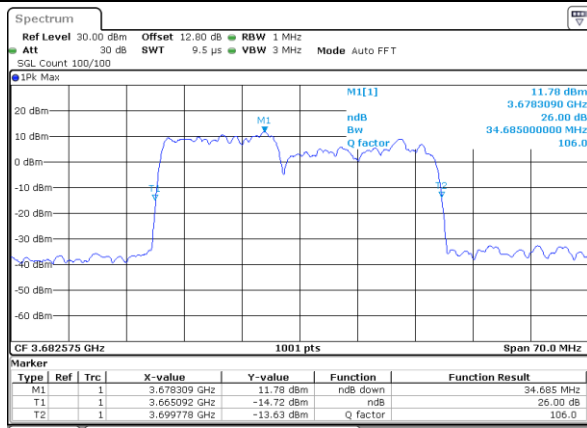
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

