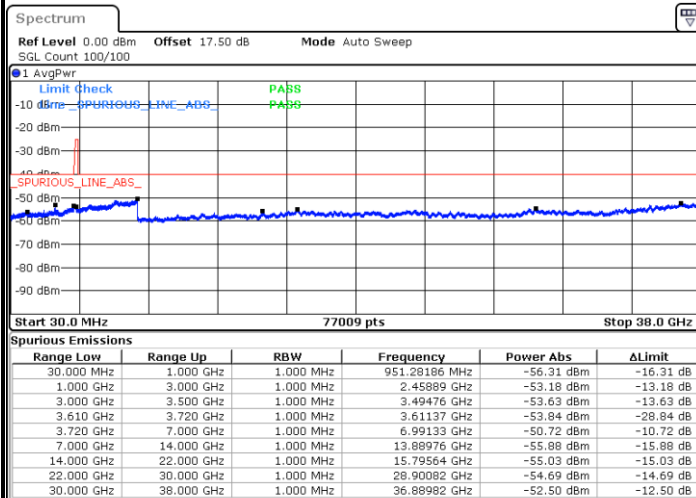




LTE Band 48 / 10MHz

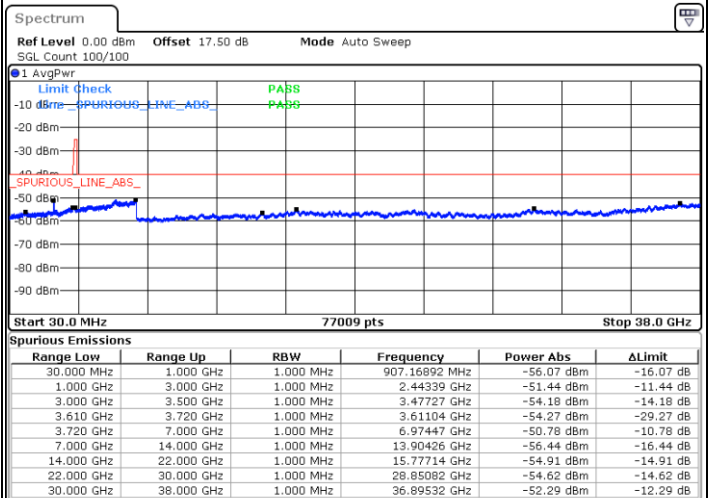
16QAM

Lowest Channel / 1RB0



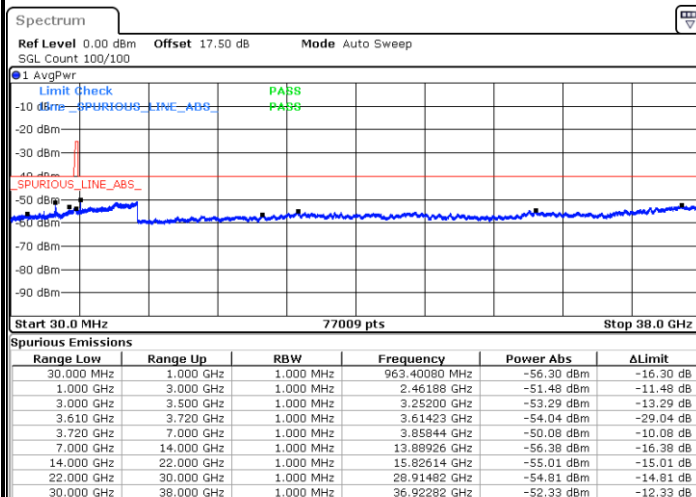
Date: 29.FEB.2020 04:22:36

Lowest Channel / 1RBmax



Date: 29.FEB.2020 04:40:35

Lowest Channel / FullIRB



Date: 29.FEB.2020 04:31:36

N/A

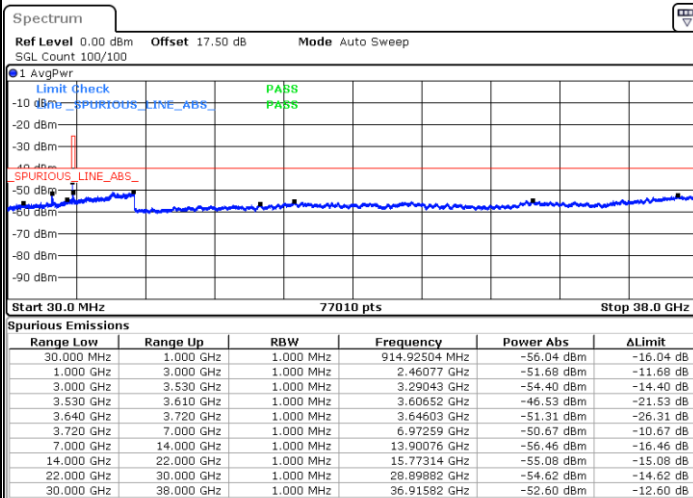


LTE Band 48 / 10MHz

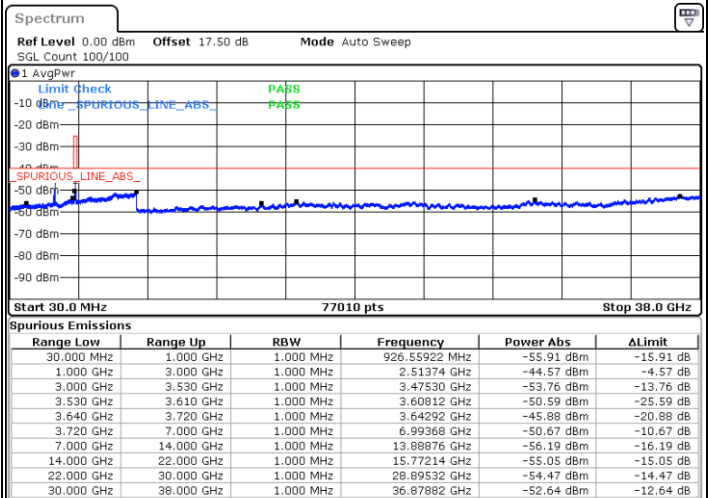
16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



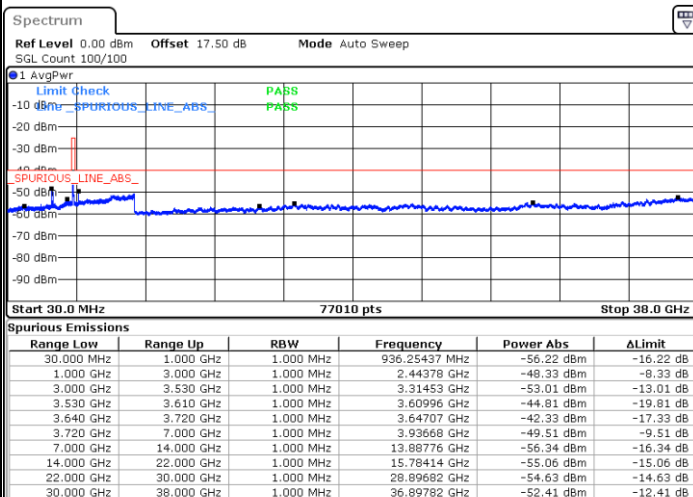
Date: 29.FEB.2020 04:25:36



Date: 29.FEB.2020 04:43:34

Middle Channel / FullIRB

N/A



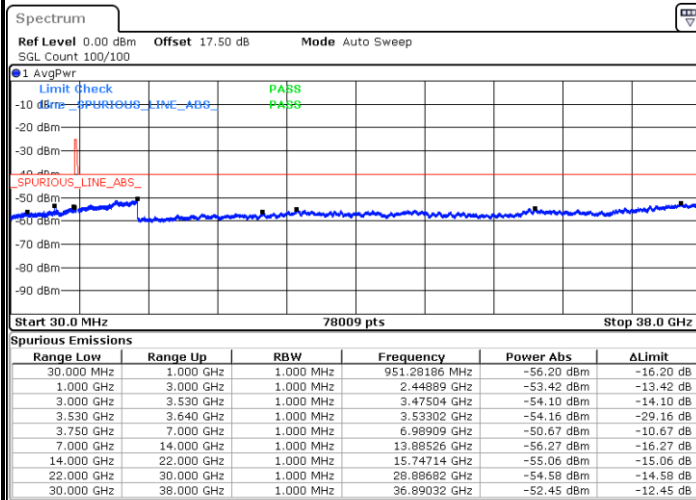
Date: 29.FEB.2020 04:34:35



LTE Band 48 / 10MHz

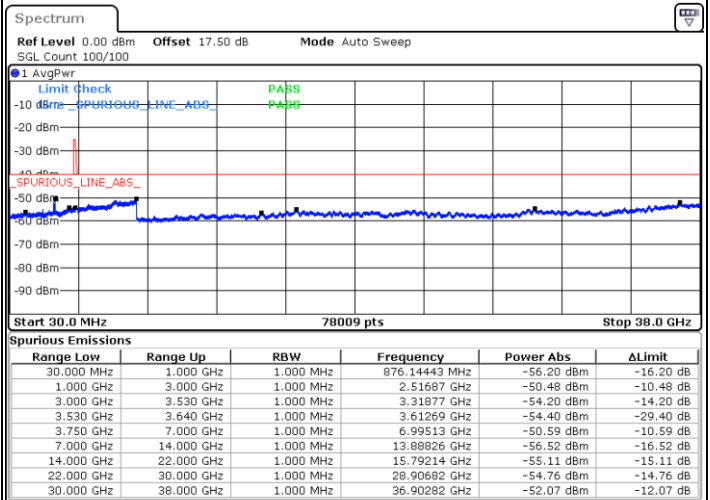
16QAM

Highest Channel / 1RB0



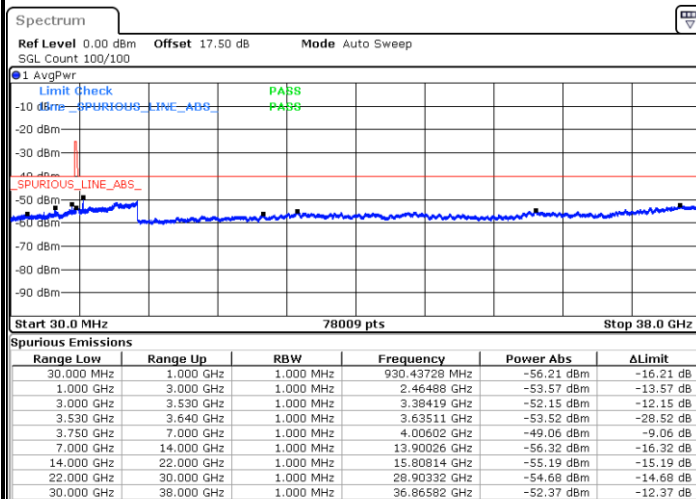
Date: 29.FEB.2020 04:28:35

Highest Channel / 1RBmax



Date: 29.FEB.2020 04:46:33

Highest Channel / FullIRB



Date: 29.FEB.2020 04:37:35

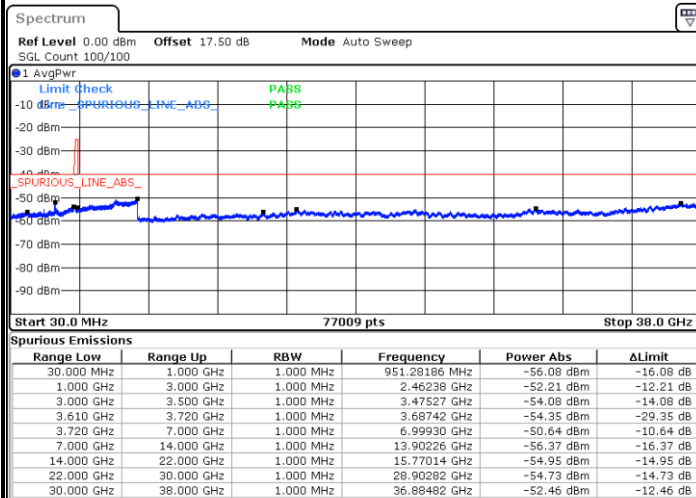
N/A



LTE Band 48 / 15MHz

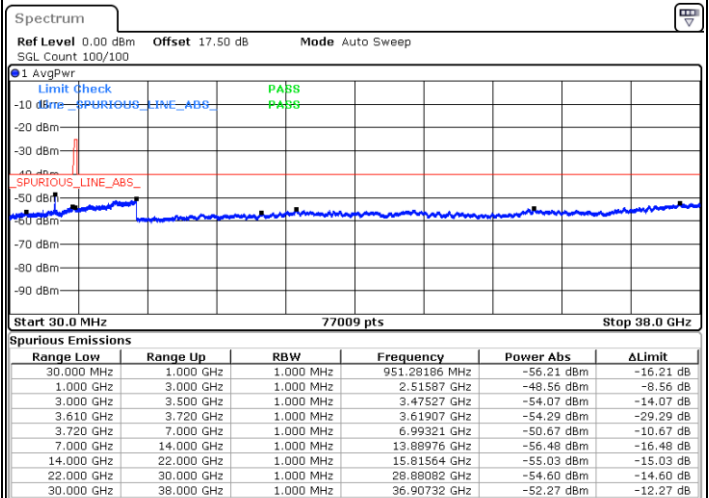
16QAM

Lowest Channel / 1RB0



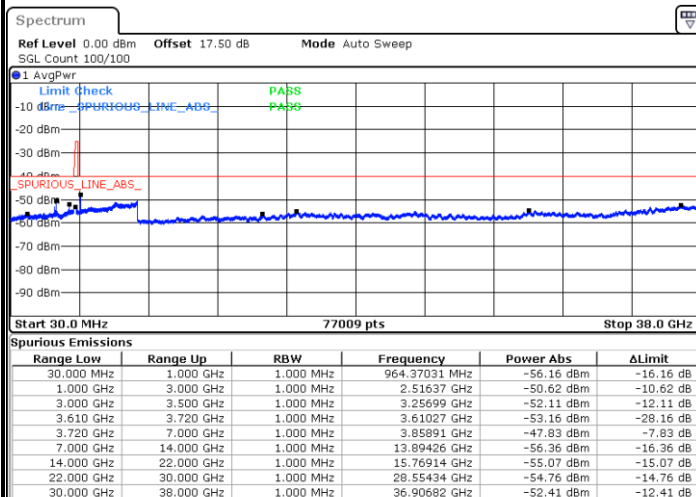
Date: 29.FEB.2020 04:49:35

Lowest Channel / 1RBmax



Date: 29.FEB.2020 05:07:33

Lowest Channel / FullRB



Date: 29.FEB.2020 04:58:34

N/A

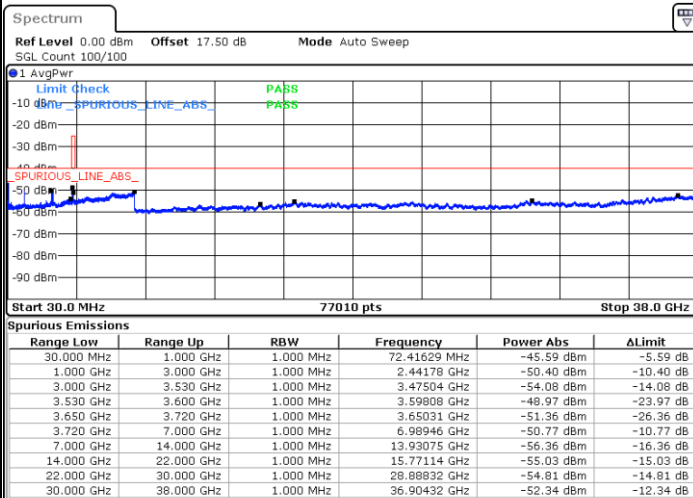


LTE Band 48 / 15MHz

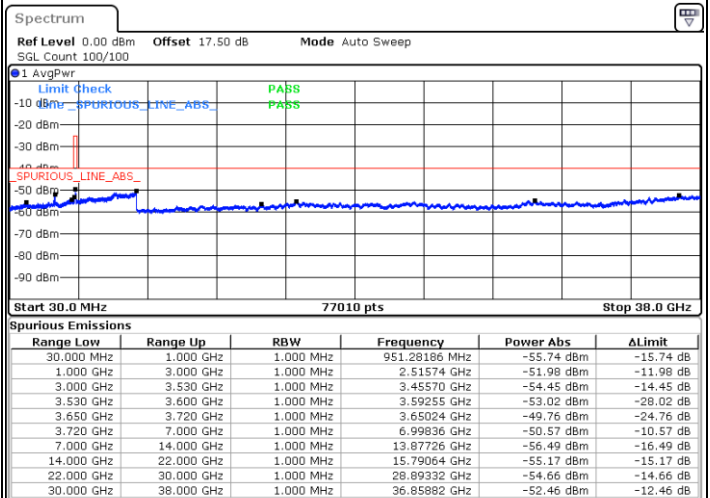
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



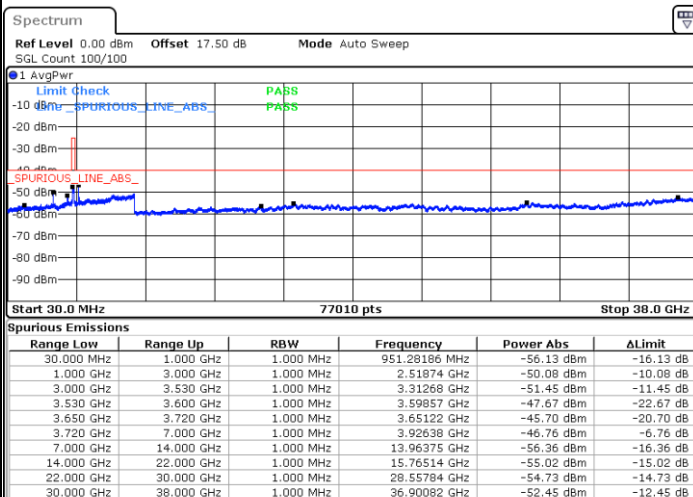
Date: 29.FEB.2020 06:49:19



Date: 29.FEB.2020 05:10:33

Middle Channel / FullIRB

N/A



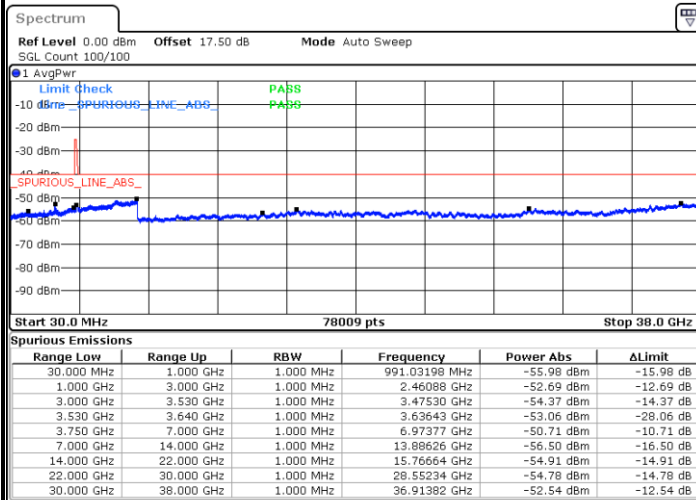
Date: 29.FEB.2020 05:01:34



LTE Band 48 / 15MHz

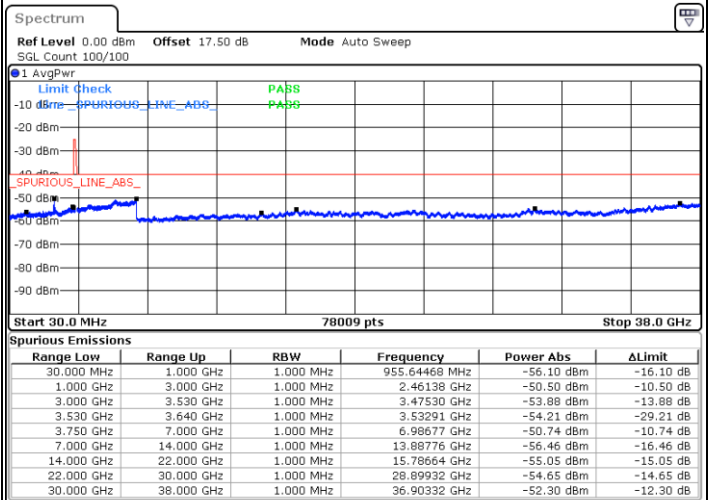
16QAM

Highest Channel / 1RB0



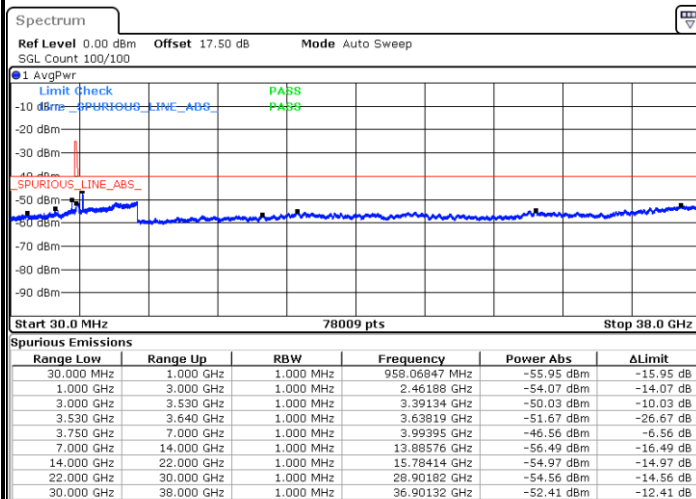
Date: 29.FEB.2020 04:55:34

Highest Channel / 1RBmax



Date: 29.FEB.2020 05:13:32

Highest Channel / FullIRB



Date: 29.FEB.2020 05:04:33

N/A

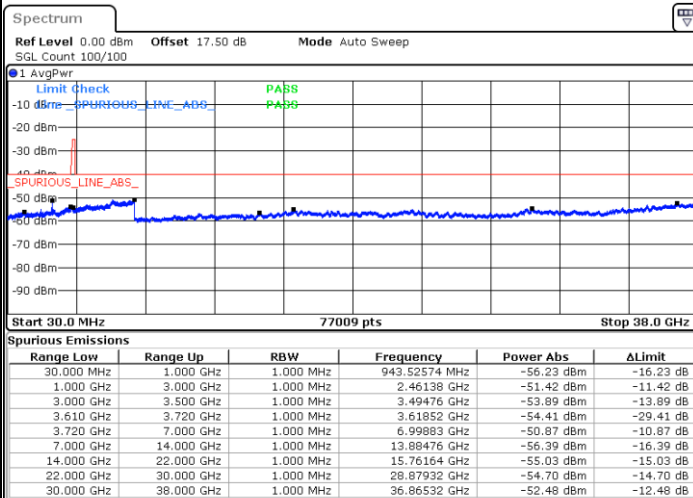


LTE Band 48 / 20MHz

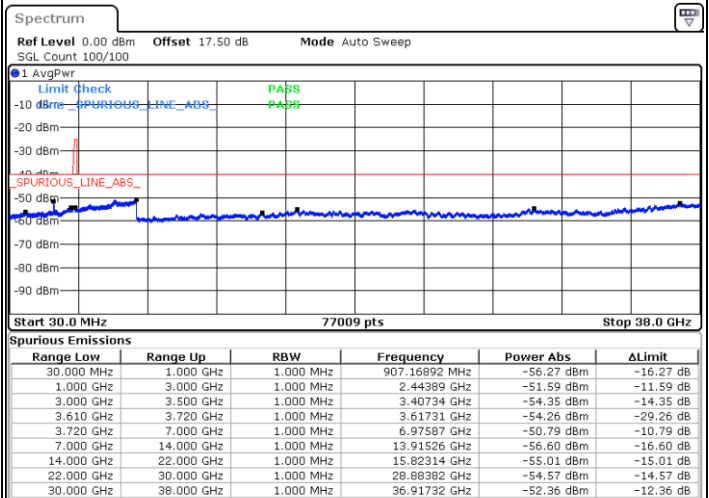
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



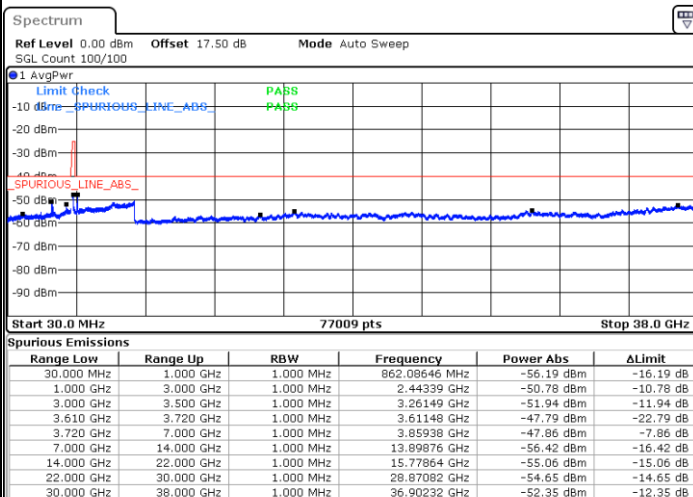
Date: 29.FEB.2020 05:25:33



Date: 29.FEB.2020 05:34:32

Lowest Channel / FullRB

N/A



Date: 29.FEB.2020 05:16:34

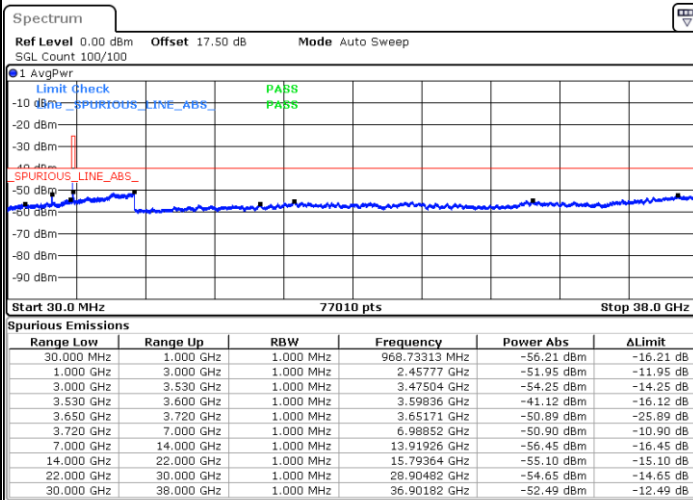


LTE Band 48 / 20MHz

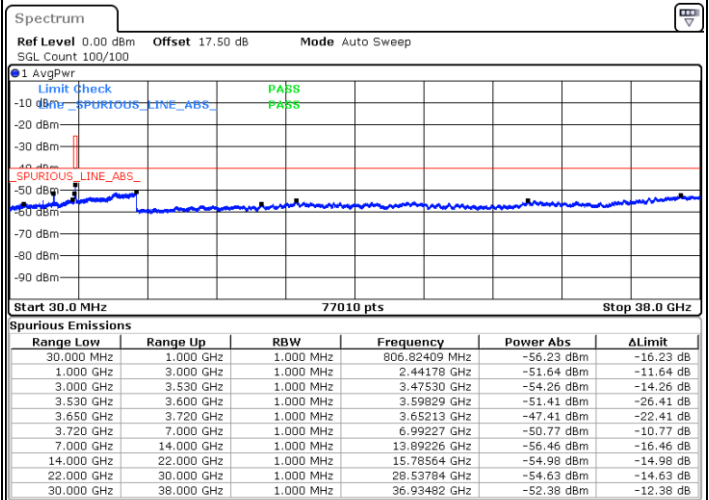
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



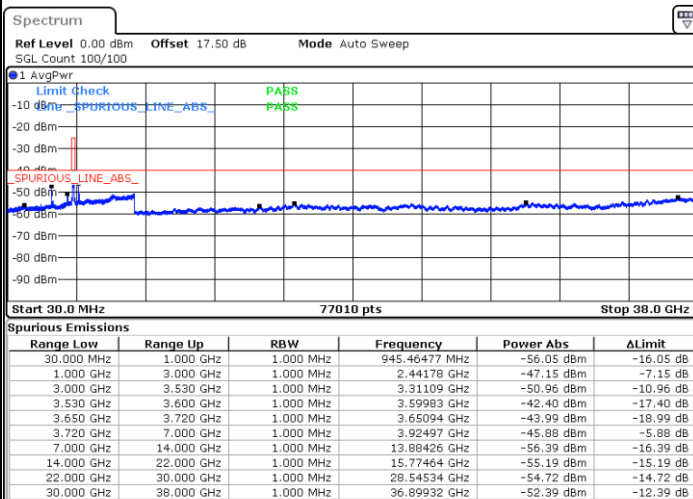
Date: 29.FEB.2020 05:28:32



Date: 29.FEB.2020 05:37:31

Middle Channel / FullIRB

N/A



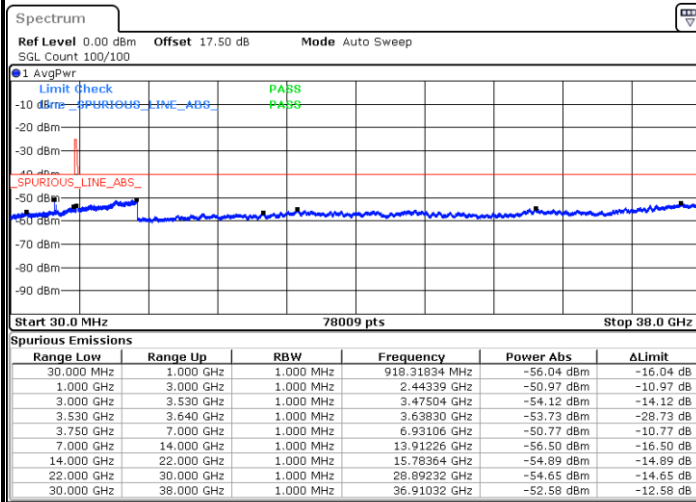
Date: 29.FEB.2020 05:19:33



LTE Band 48 / 20MHz

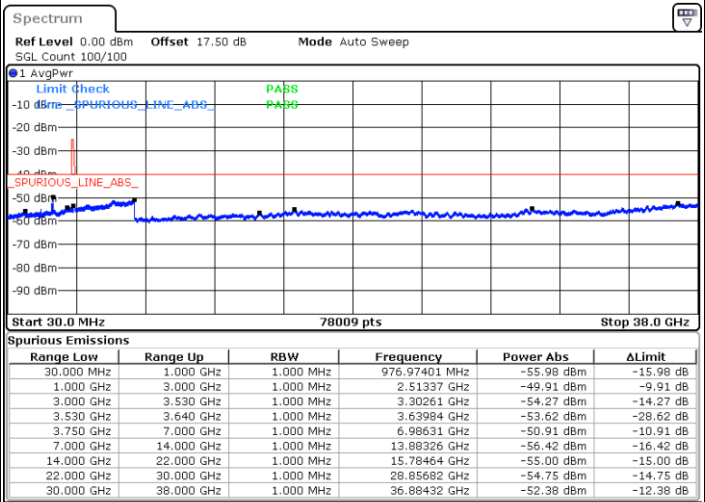
16QAM

Highest Channel / 1RB0



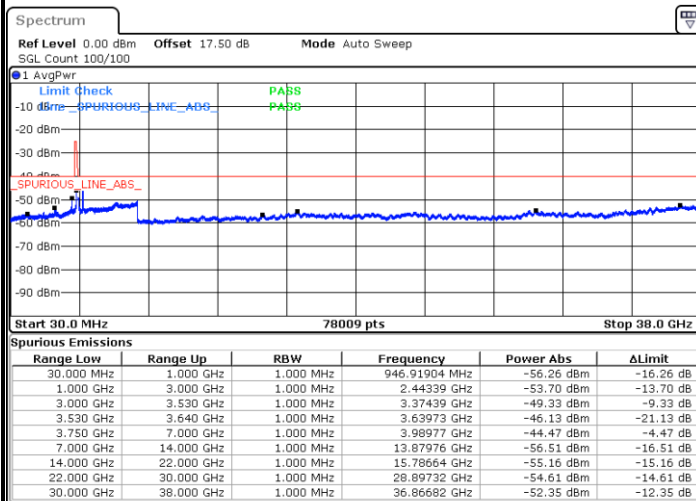
Date: 29.FEB.2020 05:31:31

Highest Channel / 1RBmax



Date: 29.FEB.2020 05:40:30

Highest Channel / FullIRB



Date: 29.FEB.2020 05:22:33

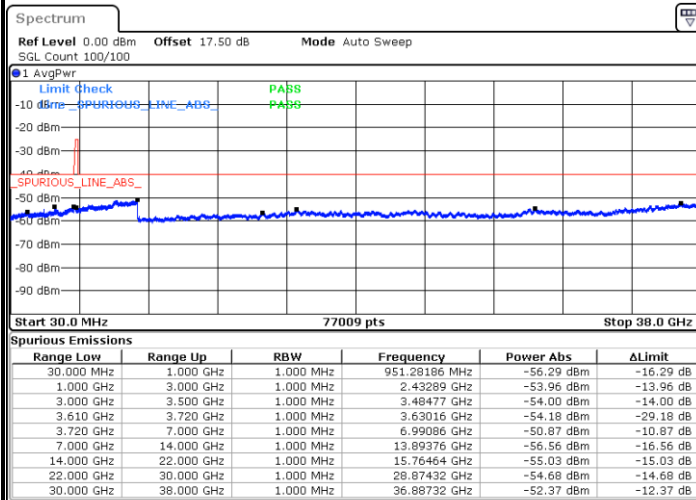
N/A



LTE Band 48 / 5MHz

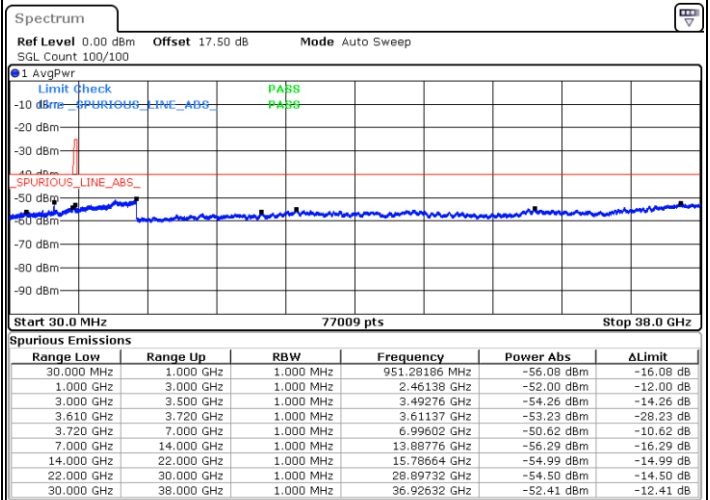
64QAM

Lowest Channel / 1RB0



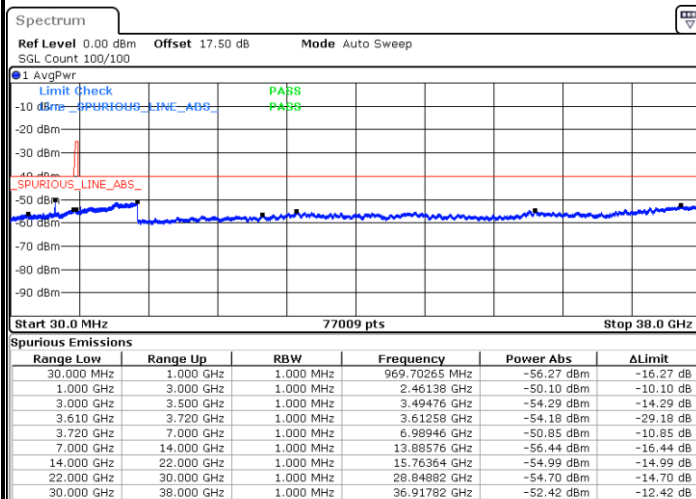
Date: 29.FEB.2020 03:56:38

Lowest Channel / 1RBmax



Date: 29.FEB.2020 04:14:36

Lowest Channel / FullIRB



Date: 29.FEB.2020 04:05:37

N/A

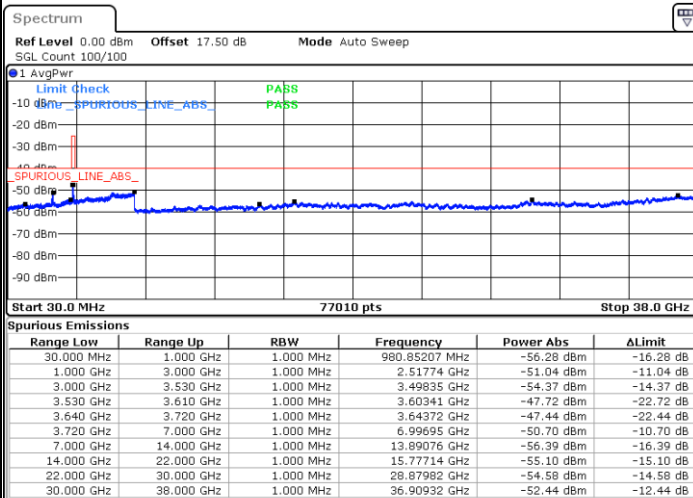


LTE Band 48 / 5MHz

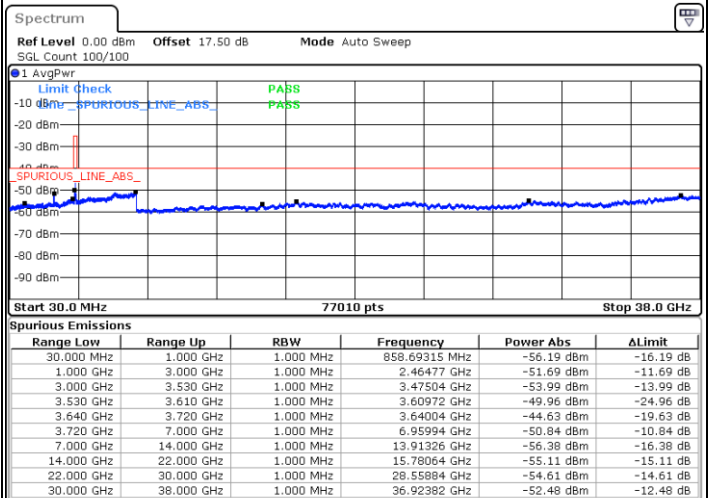
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



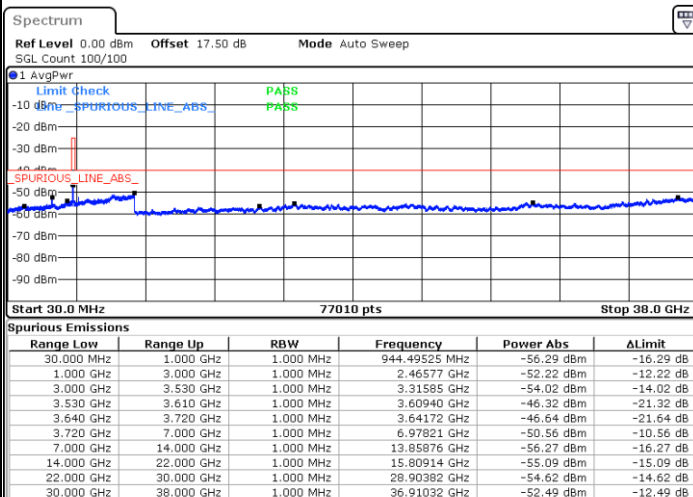
Date: 29.FEB.2020 03:57:38



Date: 29.FEB.2020 04:15:36

Middle Channel / FullIRB

N/A



Date: 29.FEB.2020 04:06:37

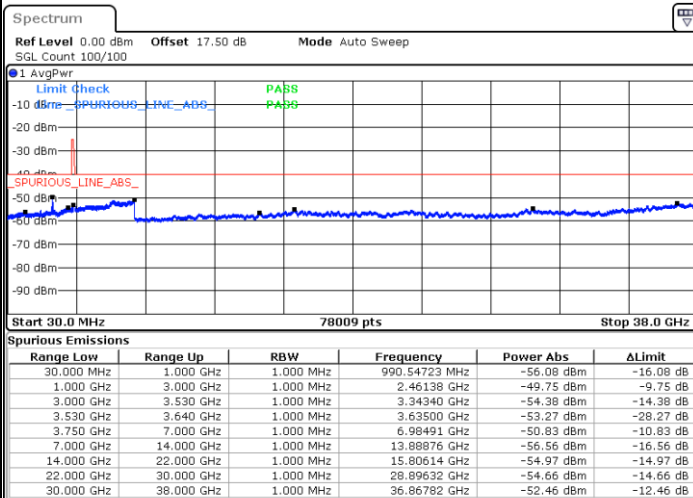


LTE Band 48 / 5MHz

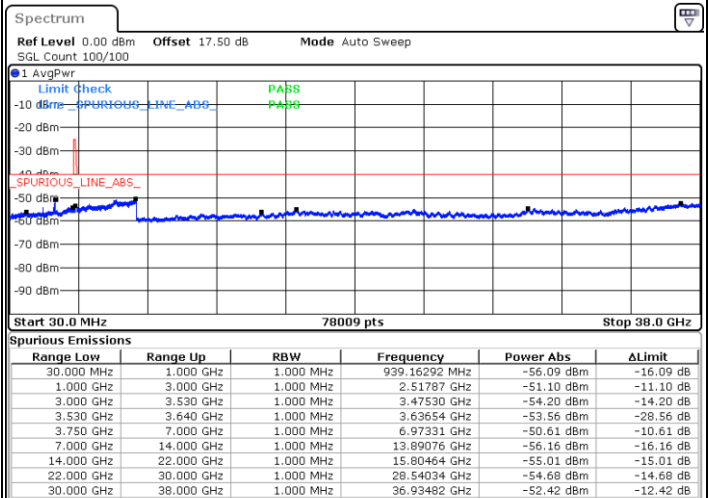
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



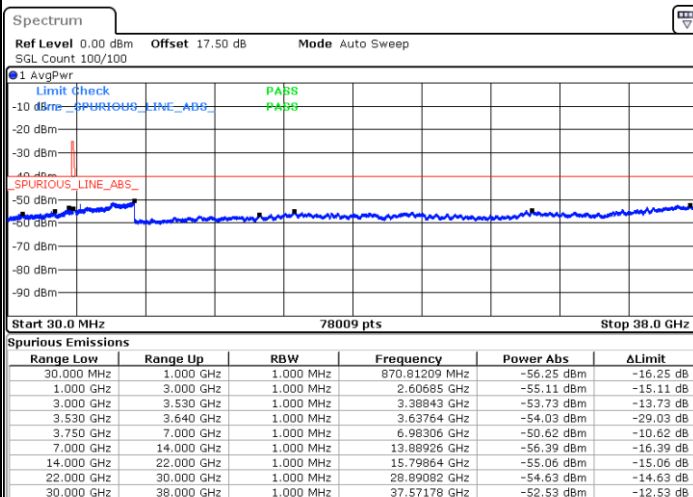
Date: 29.FEB.2020 04:02:37



Date: 29.FEB.2020 04:20:35

Highest Channel / FullIRB

N/A



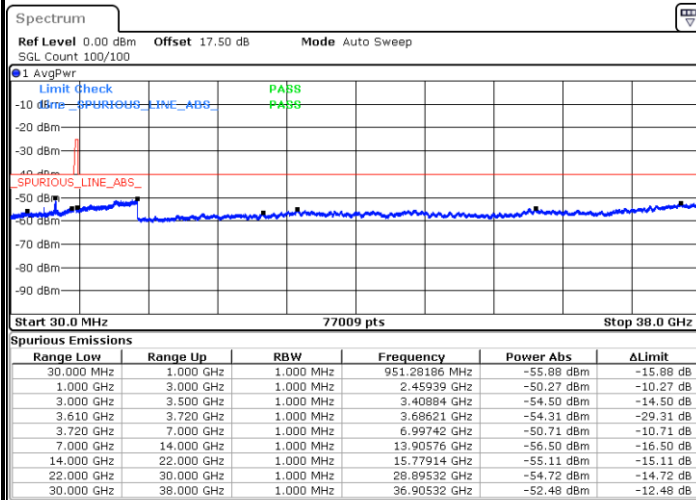
Date: 29.FEB.2020 04:11:36



LTE Band 48 / 10MHz

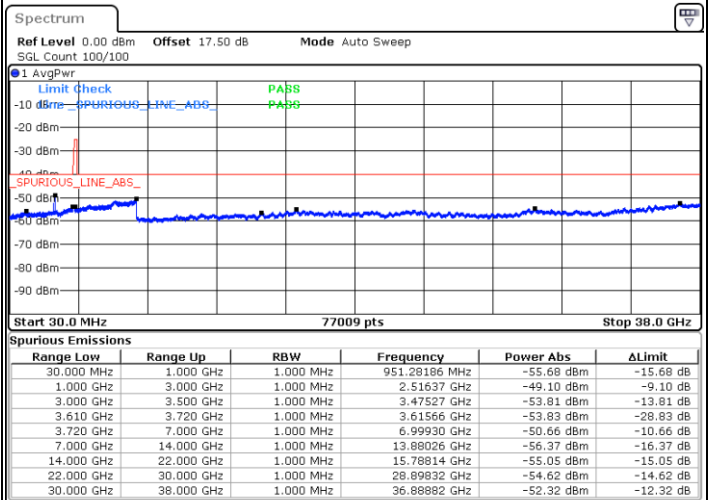
64QAM

Lowest Channel / 1RB0



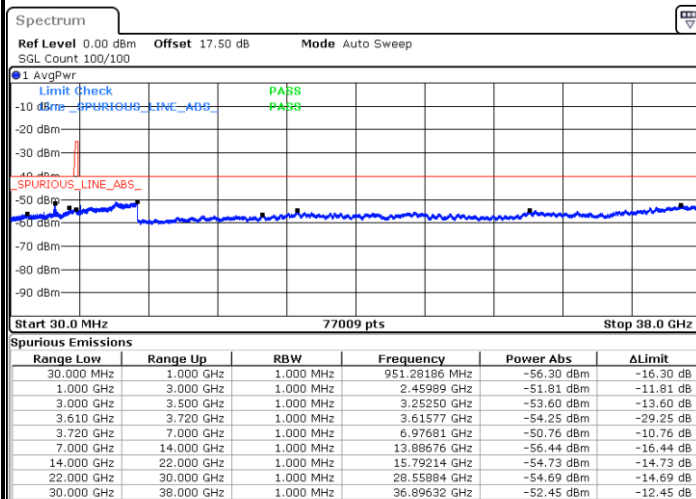
Date: 29.FEB.2020 04:21:36

Lowest Channel / 1RBmax



Date: 29.FEB.2020 04:39:35

Lowest Channel / FullIRB



Date: 29.FEB.2020 04:30:36

N/A

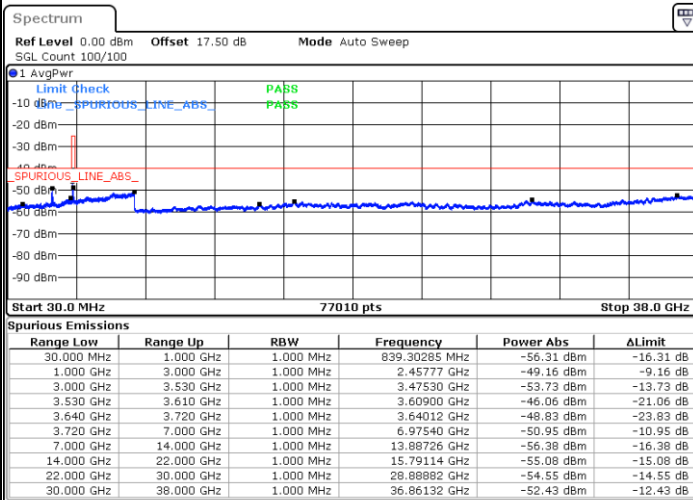


LTE Band 48 / 10MHz

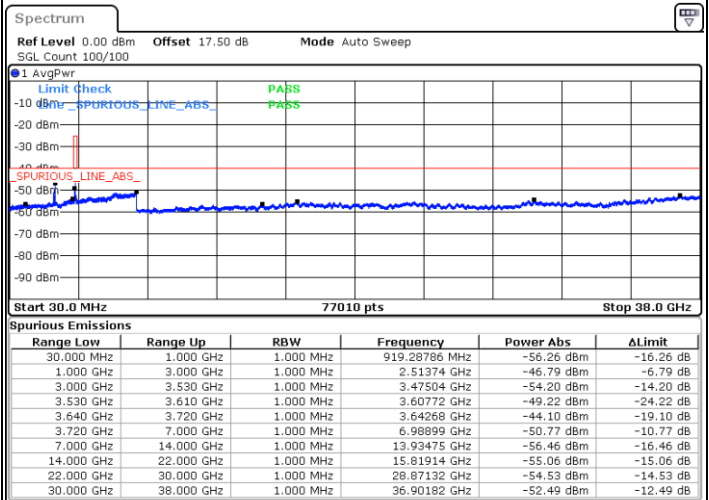
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



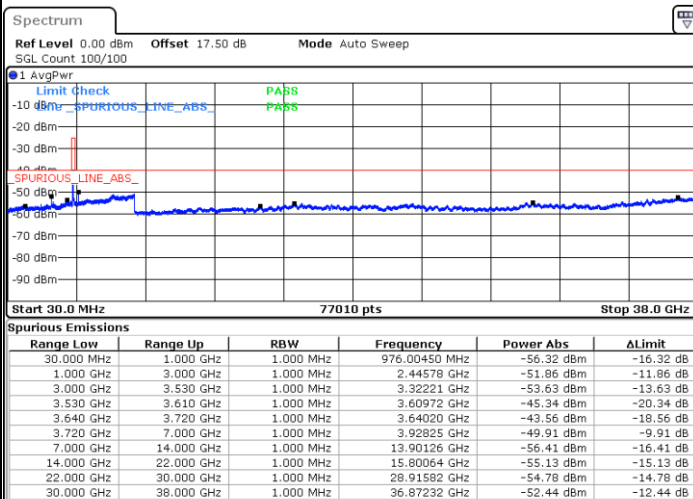
Date: 29.FEB.2020 04:26:35



Date: 29.FEB.2020 04:44:34

Middle Channel / FullIRB

N/A



Date: 29.FEB.2020 04:35:35

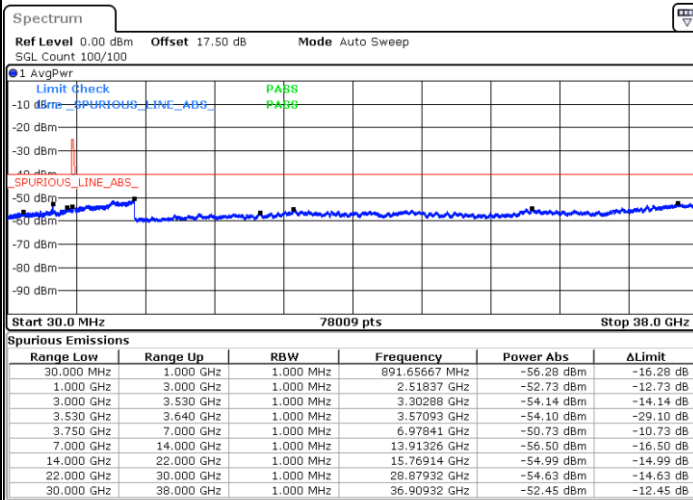


LTE Band 48 / 10MHz

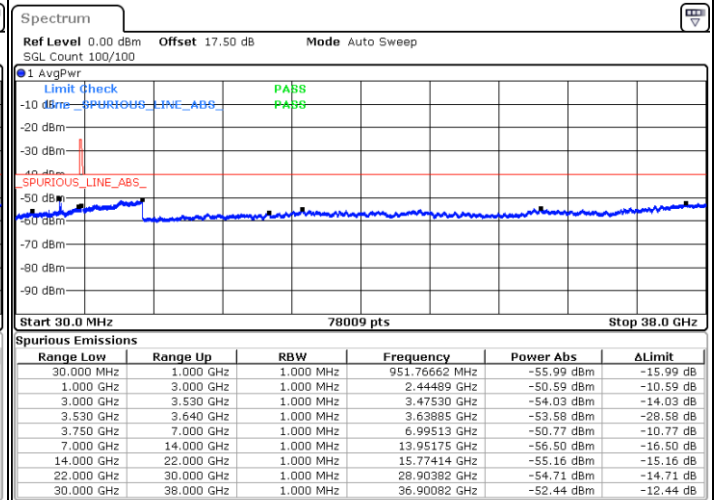
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



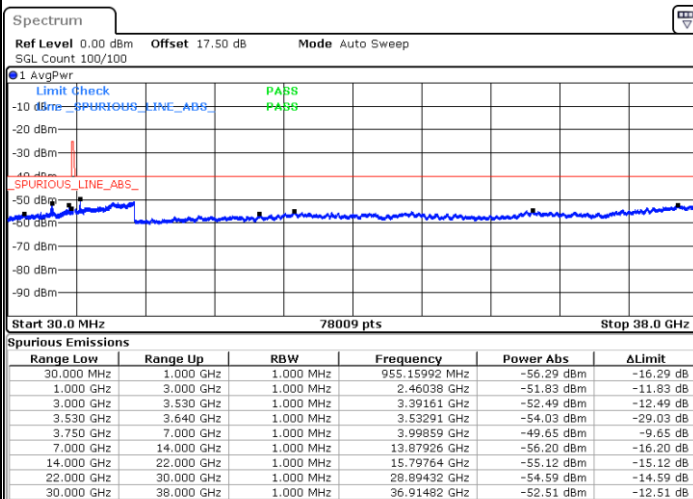
Date: 29.FEB.2020 04:27:35



Date: 29.FEB.2020 04:45:33

Highest Channel / FullIRB

N/A



Date: 29.FEB.2020 04:36:35

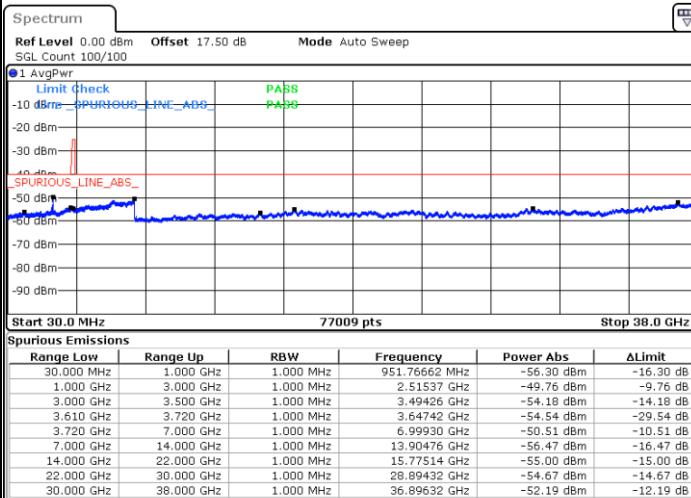


LTE Band 48 / 15MHz

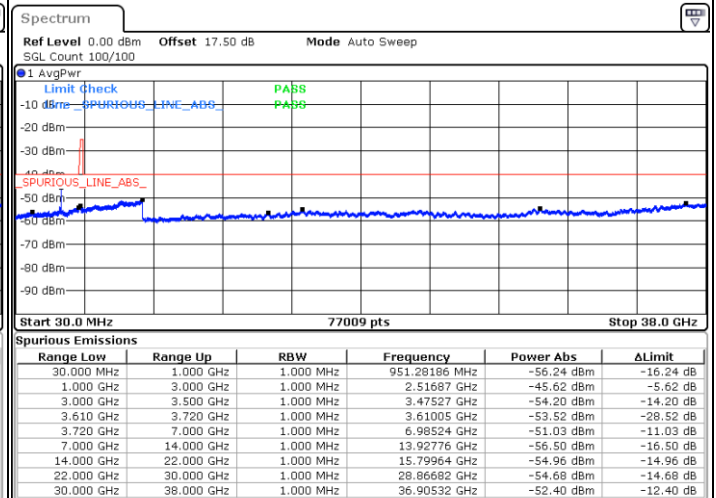
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



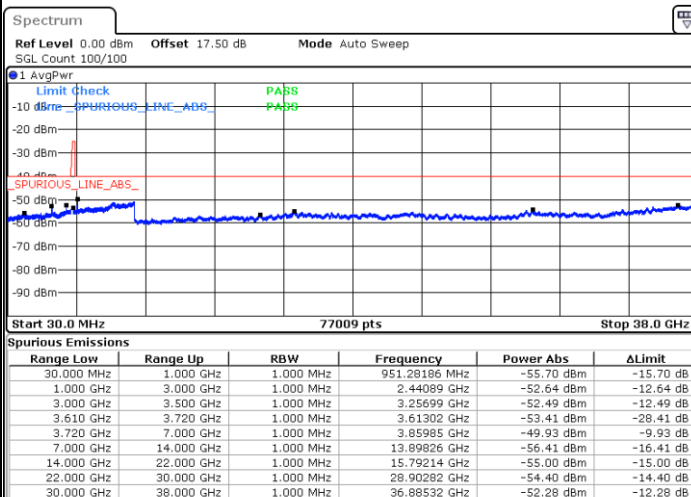
Date: 29.FEB.2020 04:50:35



Date: 29.FEB.2020 05:08:33

Lowest Channel / FullIRB

N/A



Date: 29.FEB.2020 04:59:34

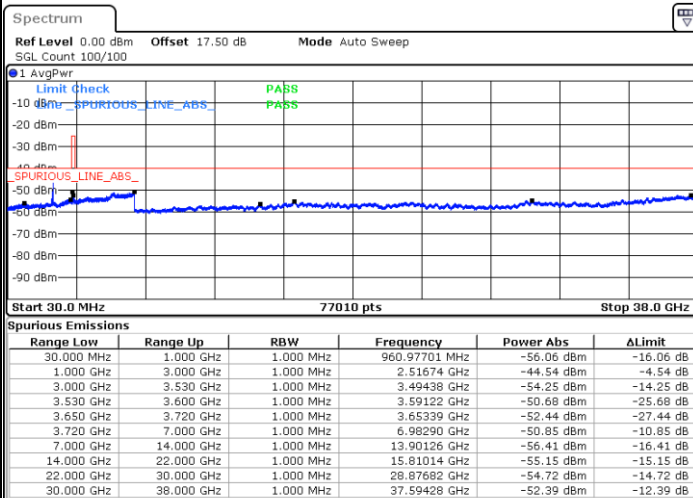


LTE Band 48 / 15MHz

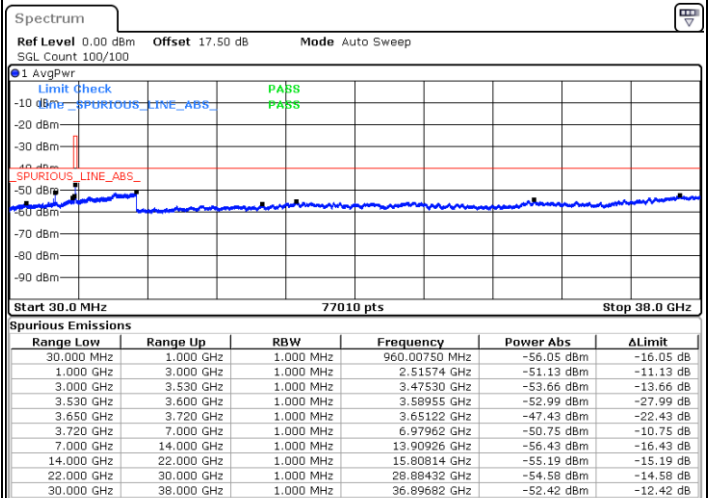
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



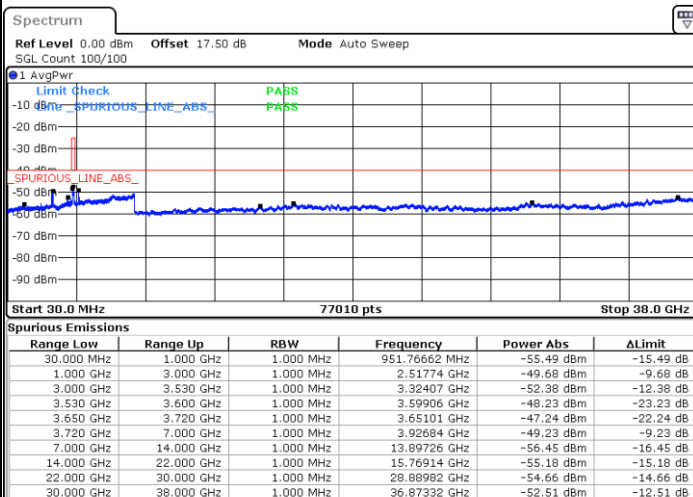
Date: 29.FEB.2020 04:51:35



Date: 29.FEB.2020 05:09:33

Middle Channel / FullIRB

N/A



Date: 29.FEB.2020 05:00:34

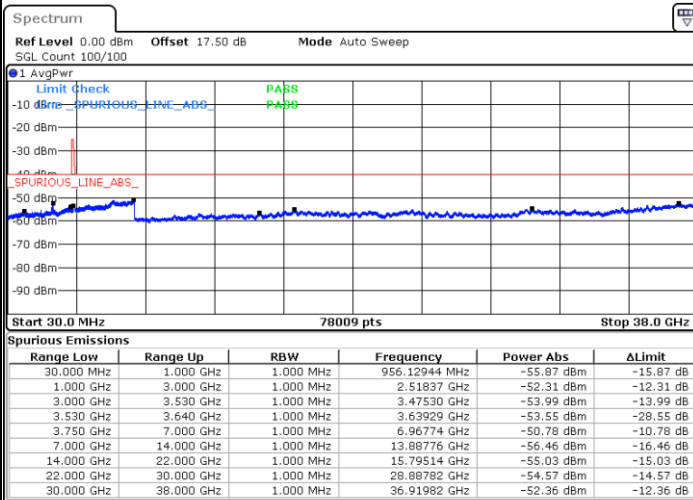


LTE Band 48 / 15MHz

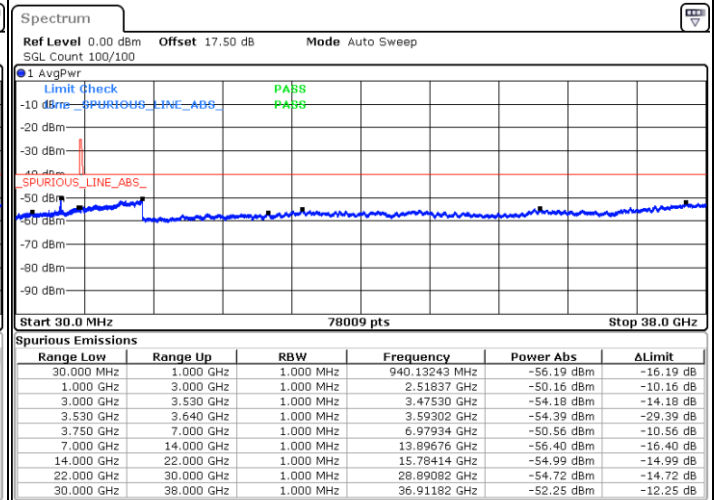
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



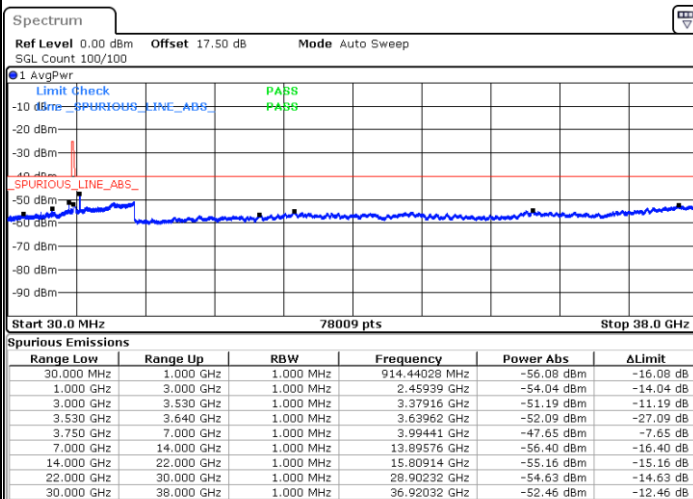
Date: 29.FEB.2020 04:56:34



Date: 29.FEB.2020 05:14:32

Highest Channel / FullIRB

N/A



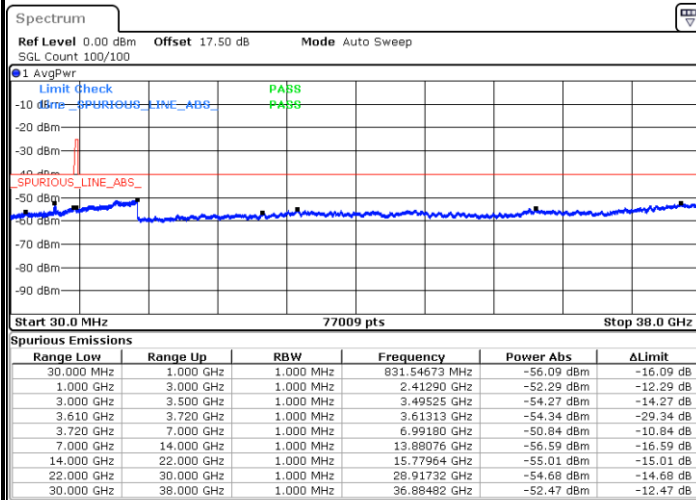
Date: 29.FEB.2020 05:05:33



LTE Band 48 / 20MHz

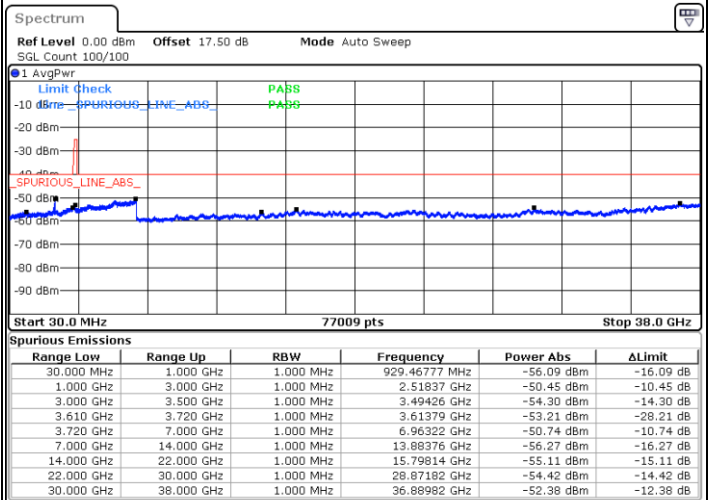
64QAM

Lowest Channel / 1RB0



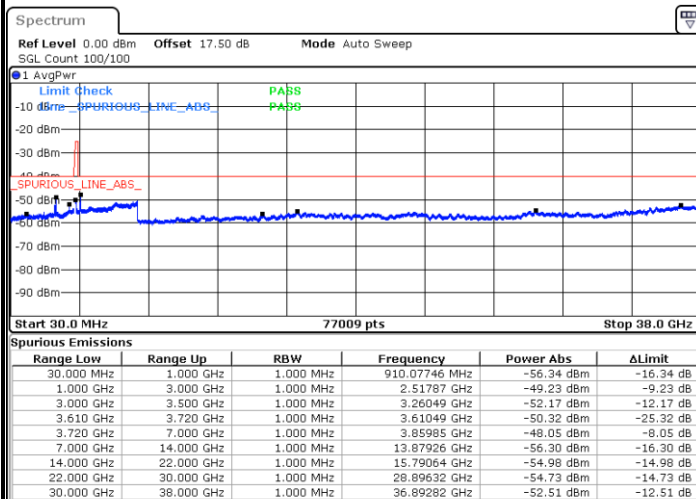
Date: 29.FEB.2020 05:24:33

Lowest Channel / 1RBmax



Date: 29.FEB.2020 05:33:31

Lowest Channel / FullRB



Date: 29.FEB.2020 05:15:34

N/A

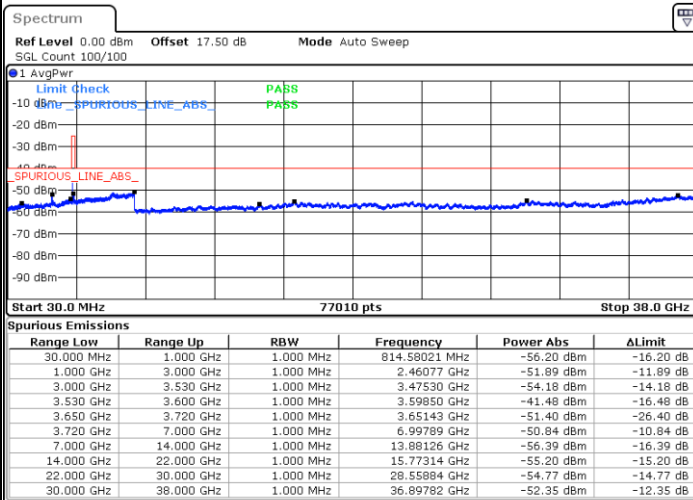


LTE Band 48 / 20MHz

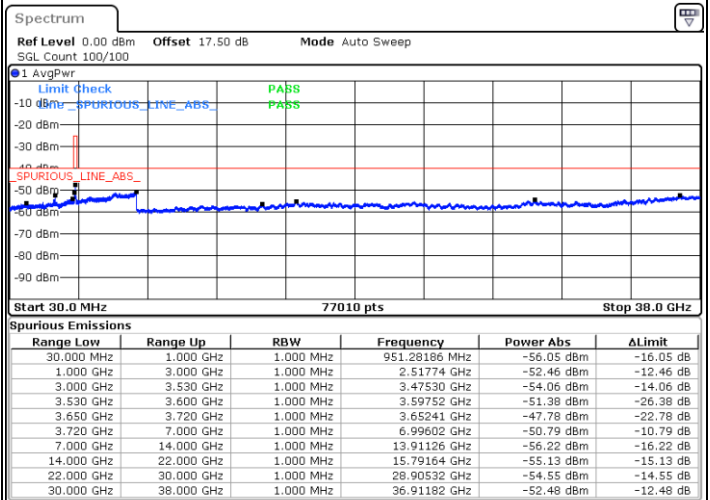
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



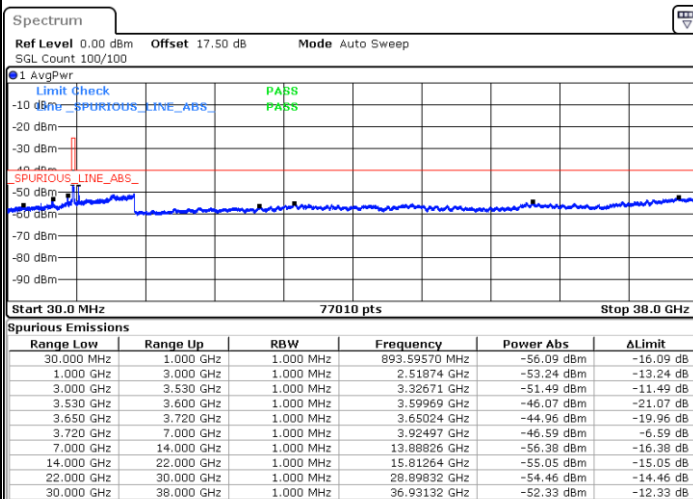
Date: 29.FEB.2020 05:29:32



Date: 29.FEB.2020 05:38:30

Middle Channel / FullIRB

N/A



Date: 29.FEB.2020 05:20:33

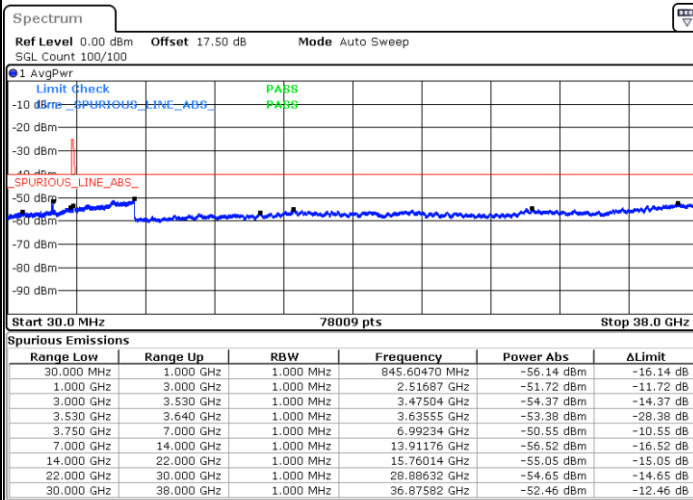


LTE Band 48 / 20MHz

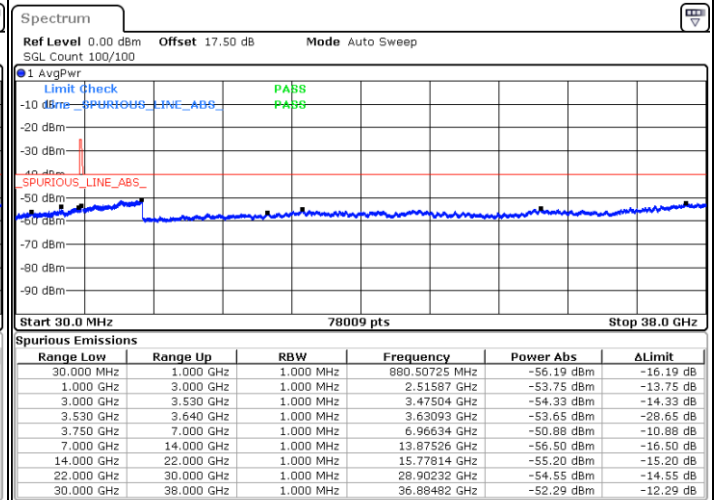
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



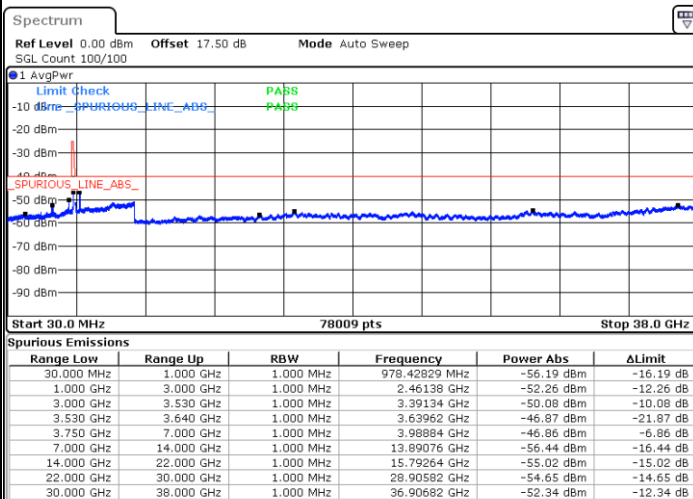
Date: 29.FEB.2020 05:30:31



Date: 29.FEB.2020 05:39:30

Highest Channel / FullIRB

N/A



Date: 29.FEB.2020 05:21:32

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	0.0017	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	24.73	29.79	34.76	24.83
Middle CH	24.73	29.91	34.83	24.78
Highest CH	24.58	29.73	34.90	24.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	35.11	39.96	-
Middle CH	29.91	35.04	39.64	-
Highest CH	29.97	34.83	39.64	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.68	29.85	34.76	24.83
Middle CH	24.73	29.79	34.90	24.78
Highest CH	24.53	29.79	34.83	24.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.97	39.80	-
Middle CH	29.79	34.83	39.64	-
Highest CH	30.03	35.04	39.64	-

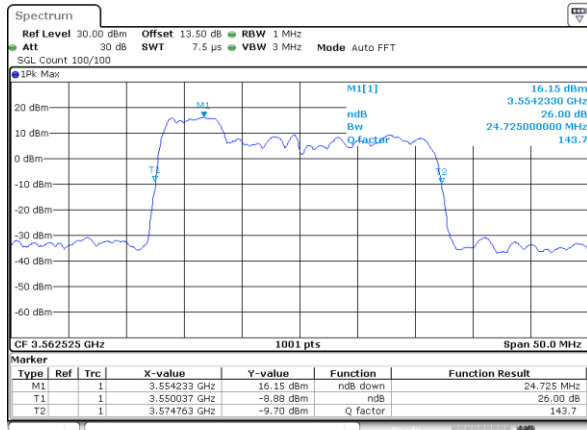
Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.68	30.03	34.76	24.83
Middle CH	24.68	29.91	34.90	24.83
Highest CH	24.73	29.79	34.90	24.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.83	39.88	-
Middle CH	29.79	35.04	39.80	-
Highest CH	30.03	34.76	39.72	-



LTE Band 48C

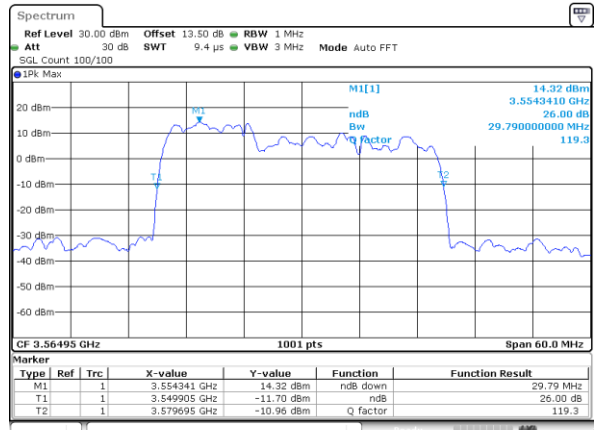
QPSK

Lowest Channel / 5MHz+20MHz



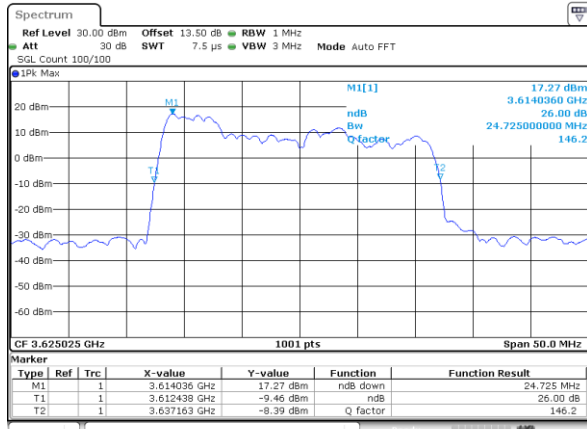
Date: 29.FEB.2020 10:13:19

Lowest Channel / 10MHz+20MHz



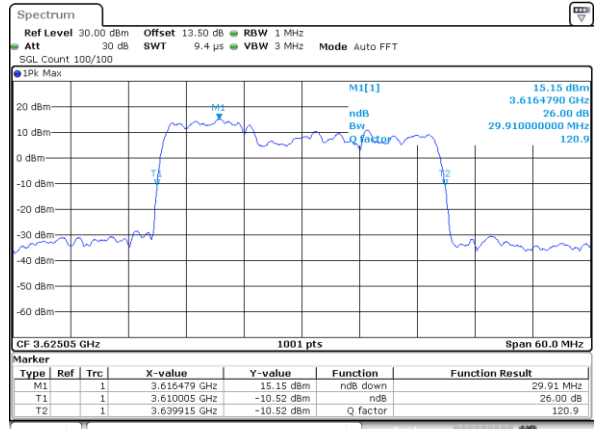
Date: 29.FEB.2020 10:13:44

Middle Channel / 5MHz+20MHz



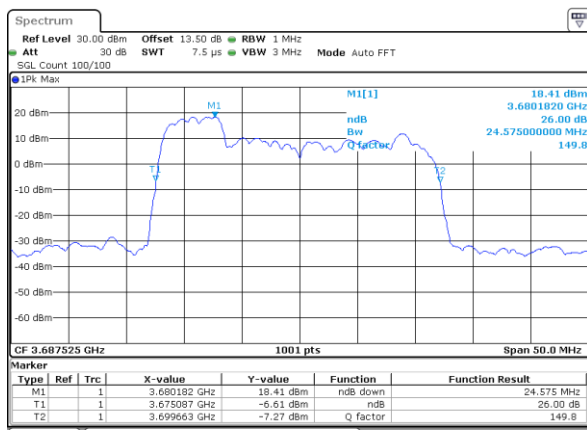
Date: 29.FEB.2020 10:17:35

Middle Channel / 10MHz+20MHz



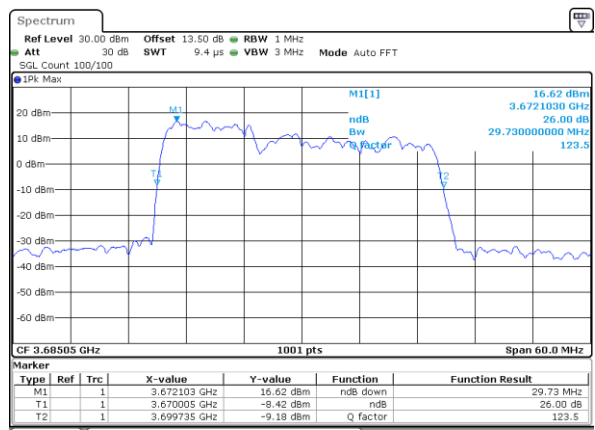
Date: 29.FEB.2020 10:43:04

Highest Channel / 5MHz+20MHz



Date: 29.FEB.2020 10:21:48

Highest Channel / 10MHz+20MHz



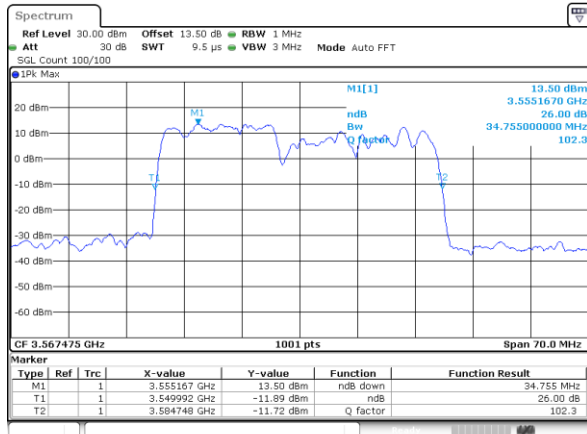
Date: 29.FEB.2020 10:45:20



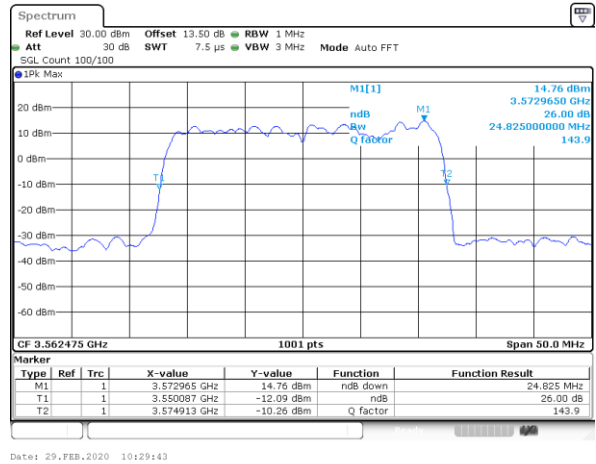
LTE Band 48C

QPSK

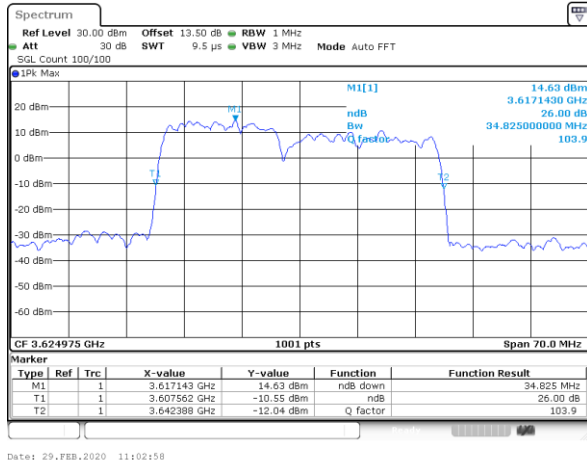
Lowest Channel / 15MHz+20MHz



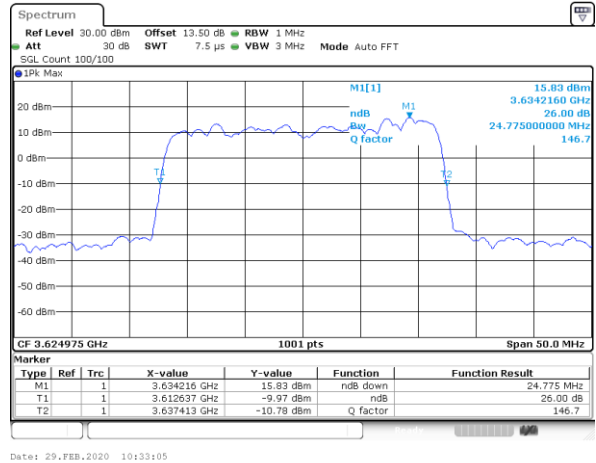
Lowest Channel / 20MHz+5MHz



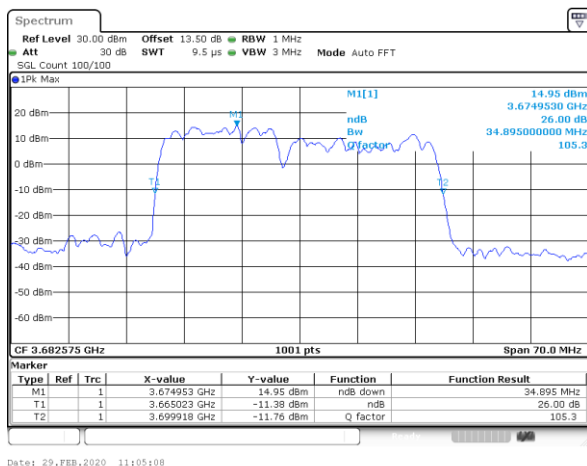
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

