

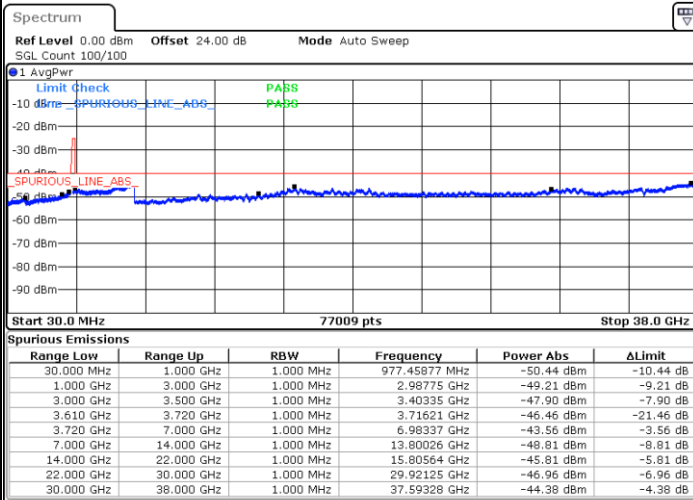


LTE Band 48 / 5MHz

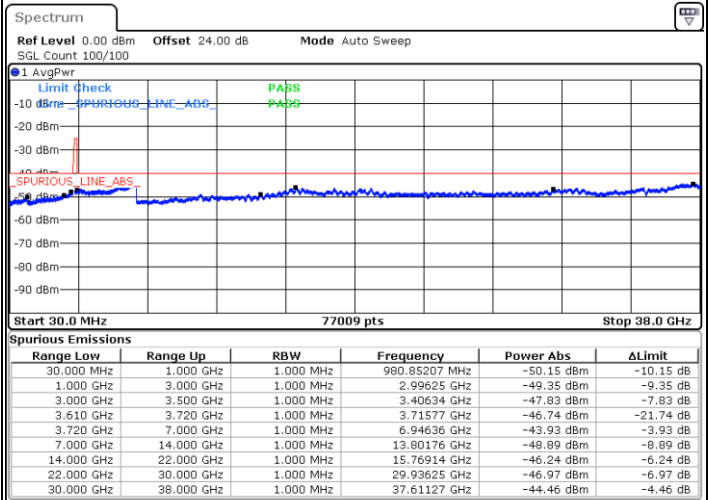
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



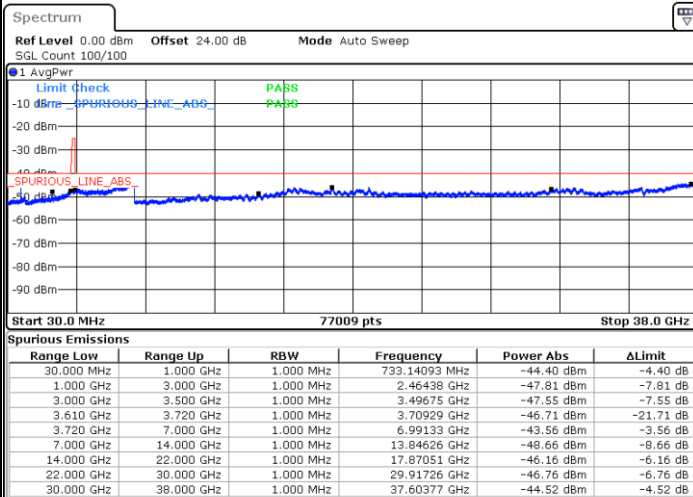
Date: 6 AUG 2020 14:43:24



Date: 6 AUG 2020 15:03:34

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 14:53:29

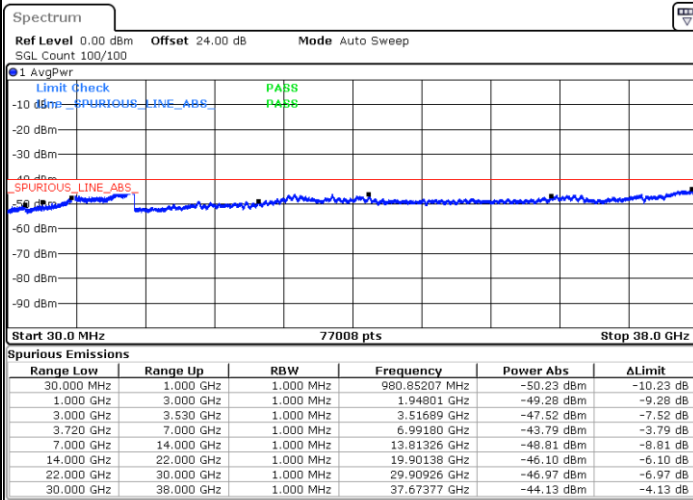


LTE Band 48 / 5MHz

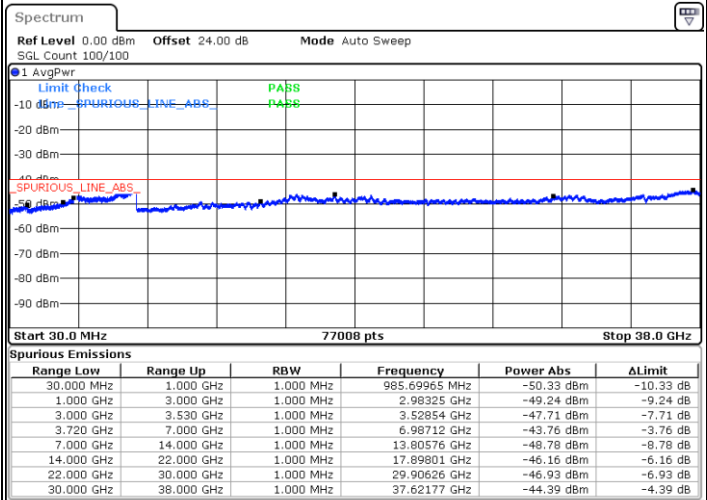
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



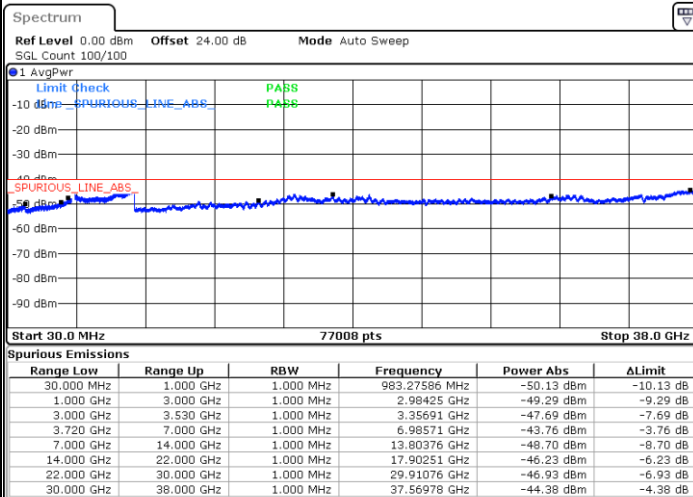
Date: 6 AUG 2020 14:46:44



Date: 6 AUG 2020 15:06:55

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 14:56:50

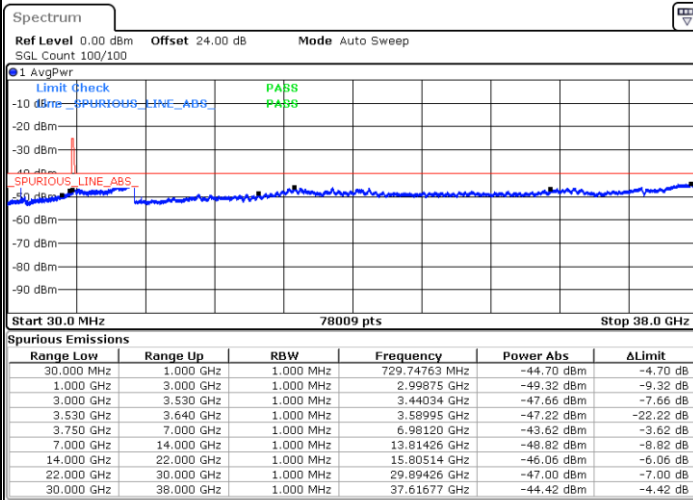


LTE Band 48 / 5MHz

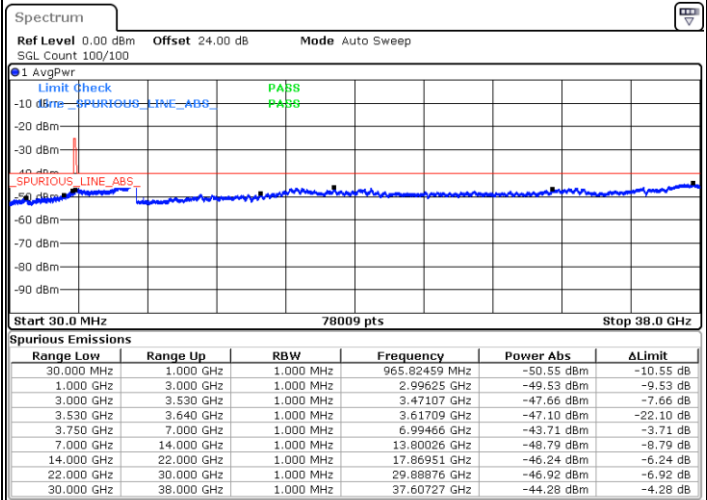
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



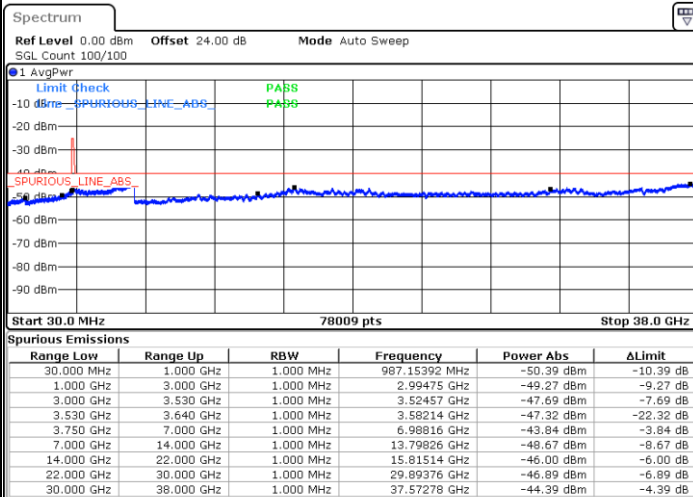
Date: 6 AUG 2020 14:50:06



Date: 6 AUG 2020 15:10:17

Highest Channel / FullIRB

N/A



Date: 6 AUG 2020 15:00:11

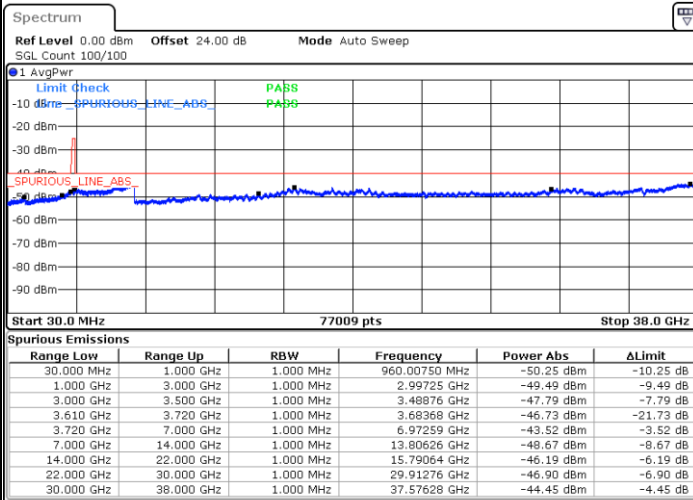


LTE Band 48 / 10MHz

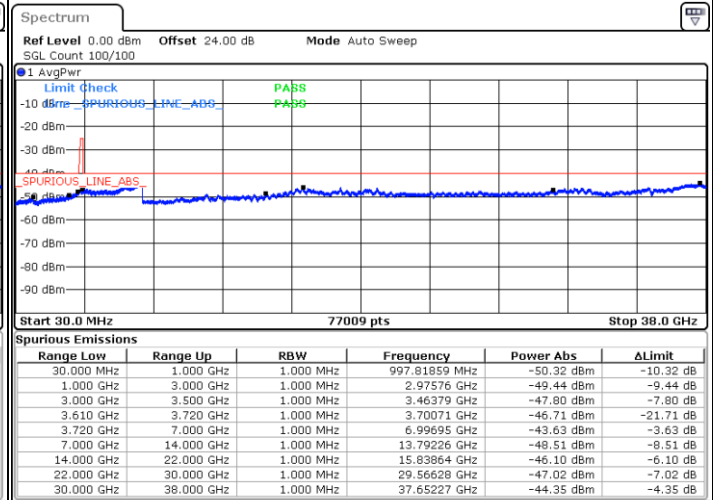
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



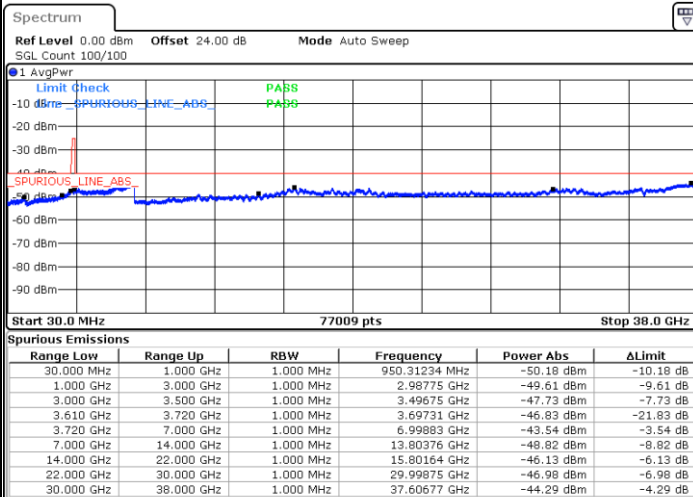
Date: 6 AUG 2020 15:13:40



Date: 6 AUG 2020 15:33:50

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 15:23:45

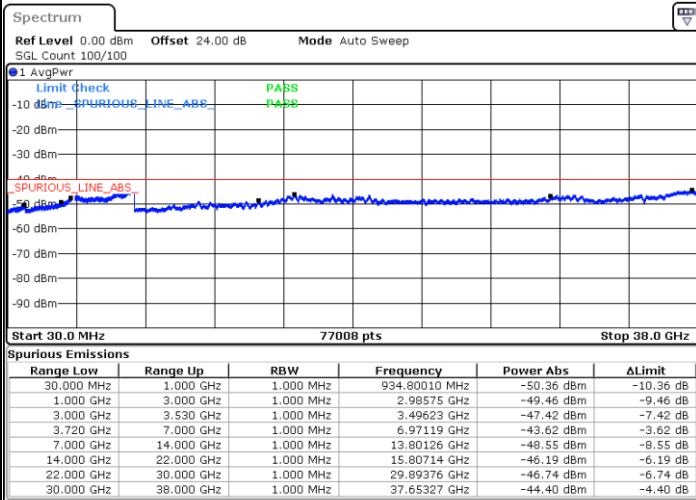


LTE Band 48 / 10MHz

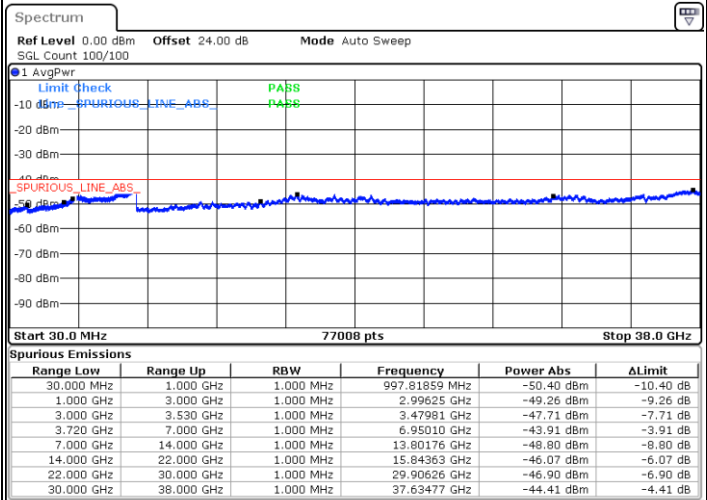
16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



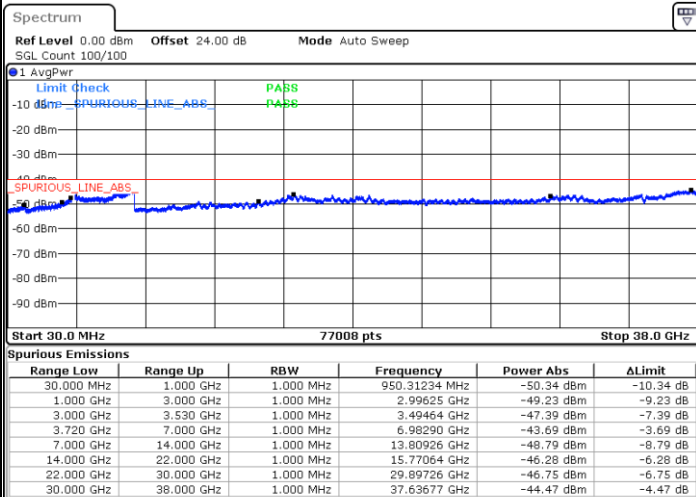
Date: 6 AUG 2020 15:17:01



Date: 6 AUG 2020 15:37:11

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 15:27:06

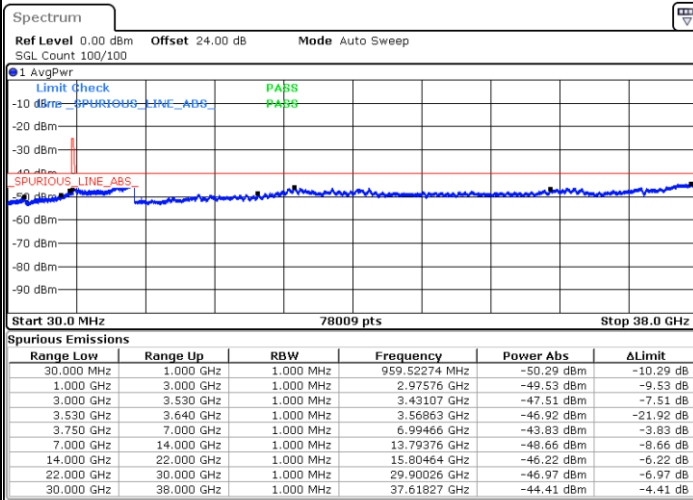


LTE Band 48 / 10MHz

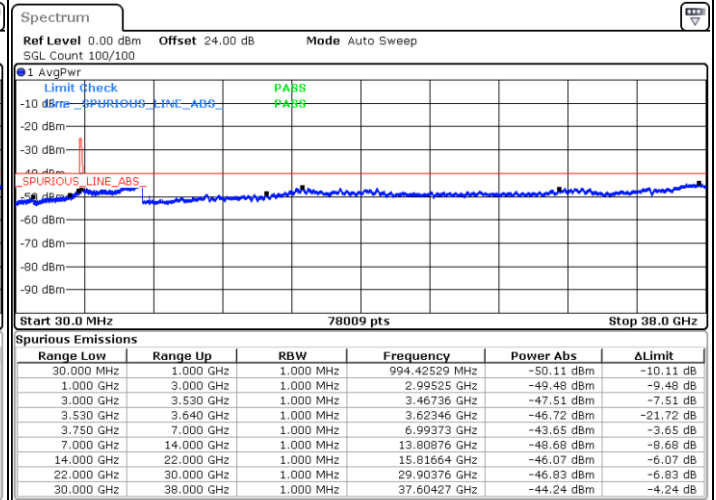
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



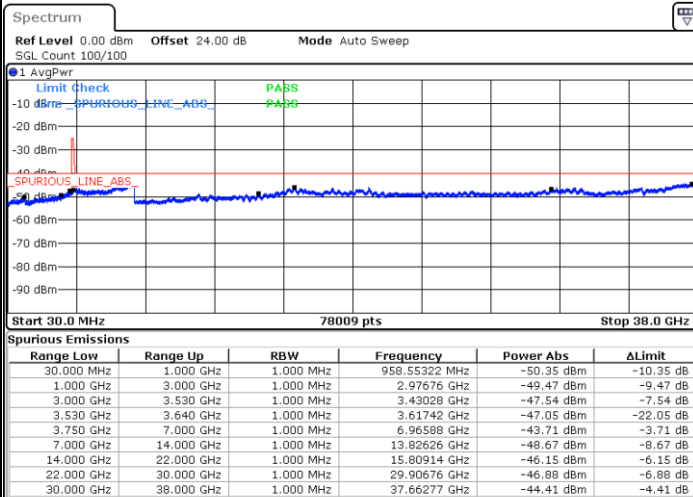
Date: 6 AUG 2020 15:20:23



Date: 6 AUG 2020 15:40:33

Highest Channel / FullRB

N/A



Date: 6 AUG 2020 15:30:28

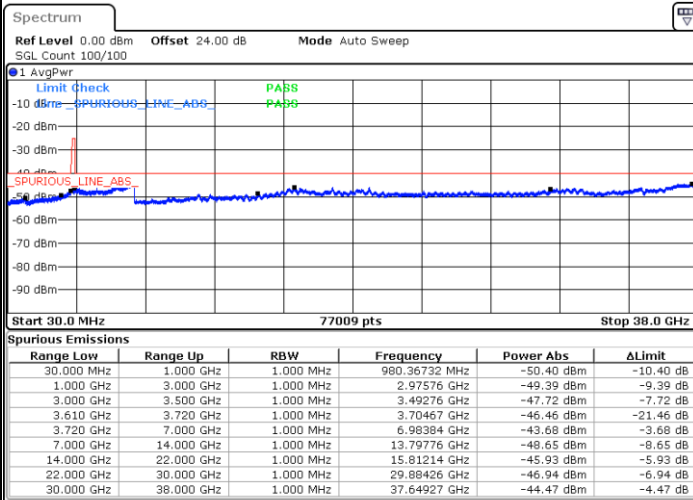


LTE Band 48 / 15MHz

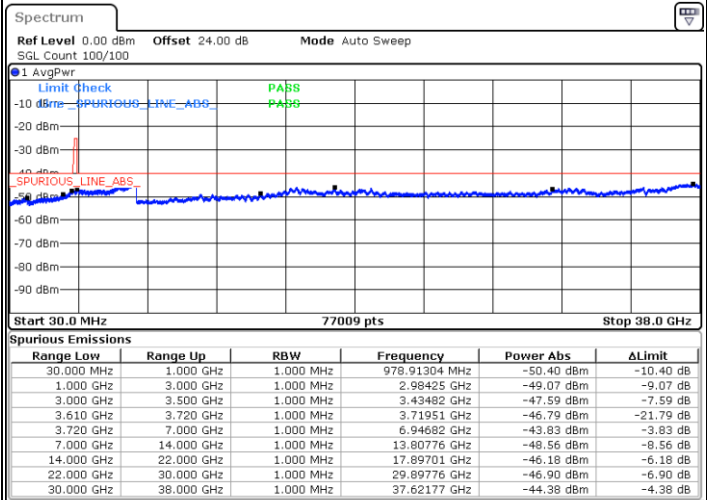
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



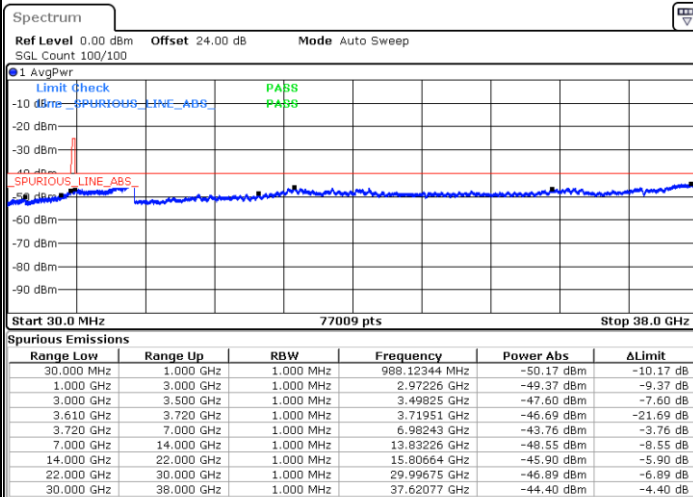
Date: 6 AUG 2020 15:43:55



Date: 6 AUG 2020 16:04:04

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 15:54:00

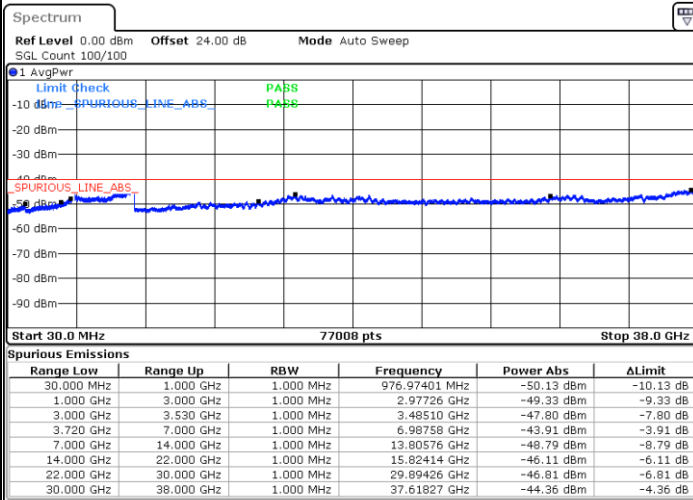


LTE Band 48 / 15MHz

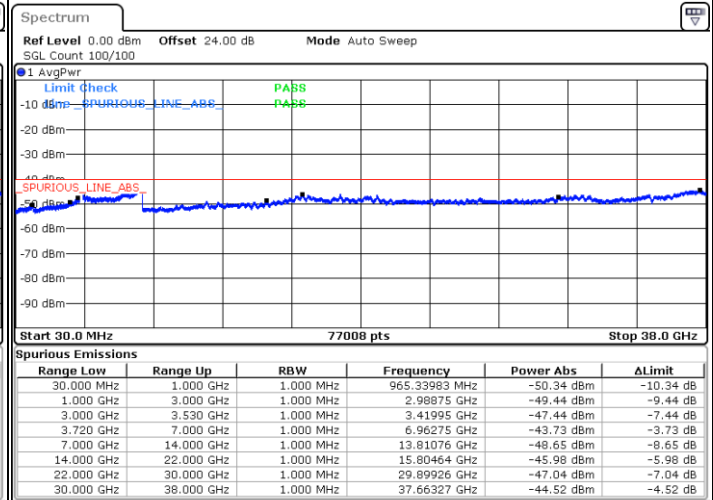
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



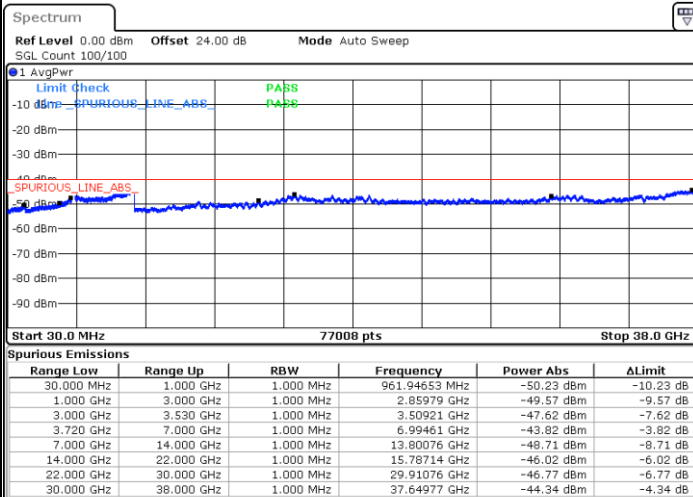
Date: 6 AUG 2020 15:47:16



Date: 6 AUG 2020 16:07:25

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 15:57:21

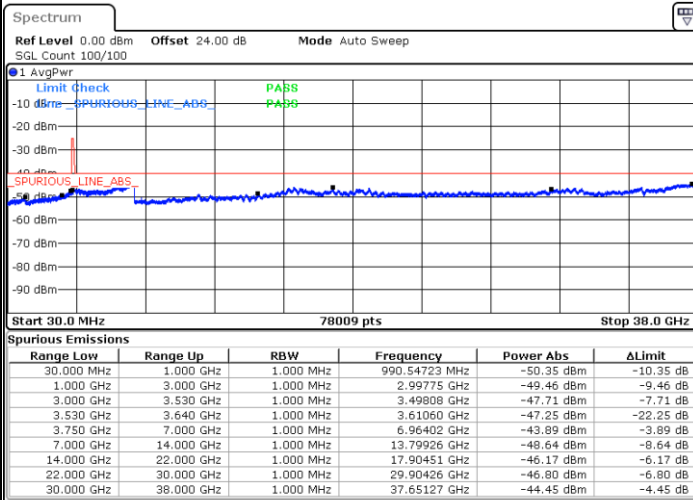


LTE Band 48 / 15MHz

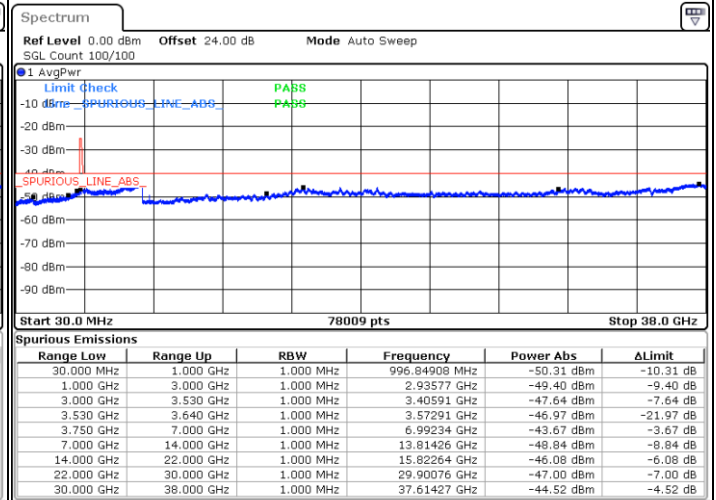
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



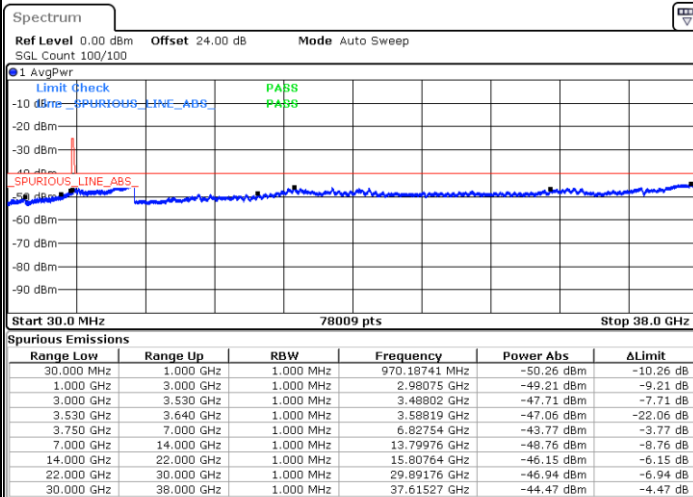
Date: 6 AUG 2020 15:50:37



Date: 6 AUG 2020 16:10:47

Highest Channel / FullRB

N/A



Date: 6 AUG 2020 16:00:42

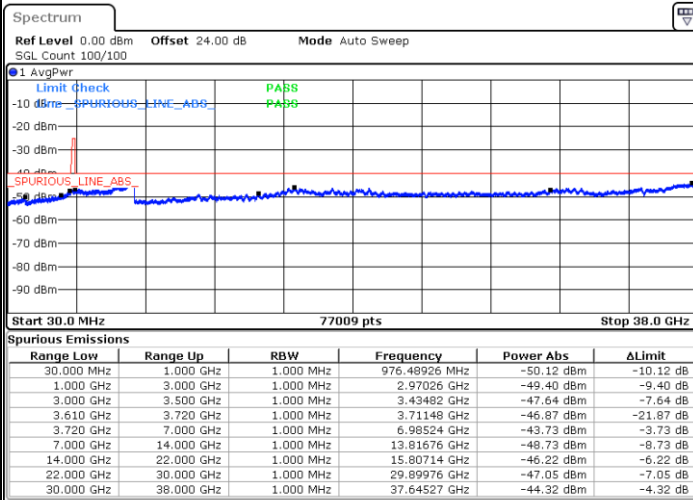


LTE Band 48 / 20MHz

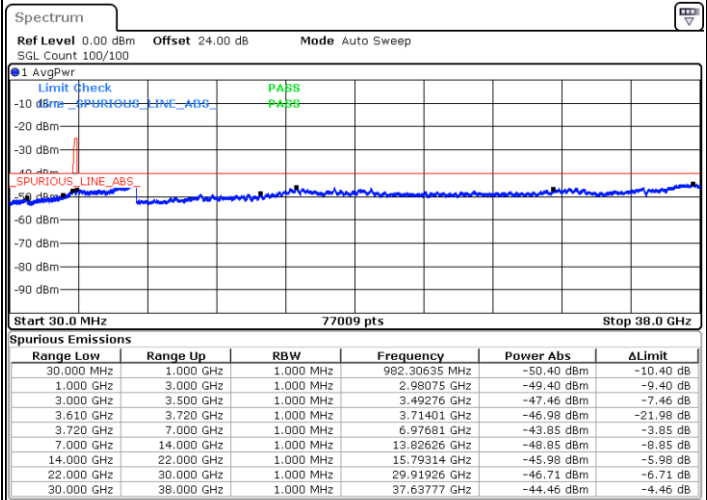
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



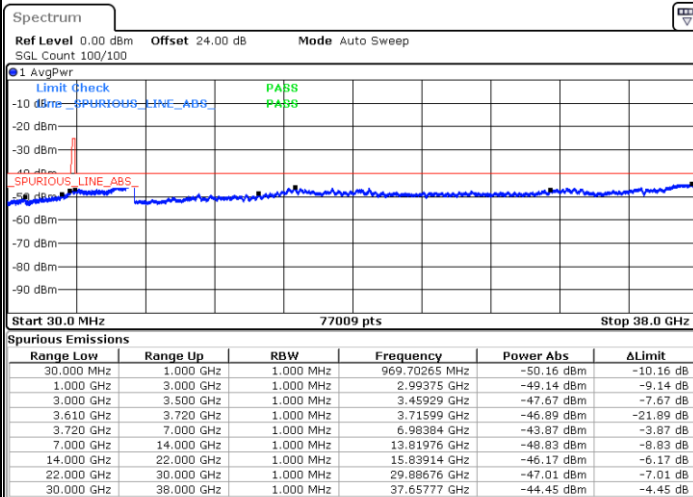
Date: 6 AUG 2020 16:24:14



Date: 6 AUG 2020 16:34:20

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 16:14:10

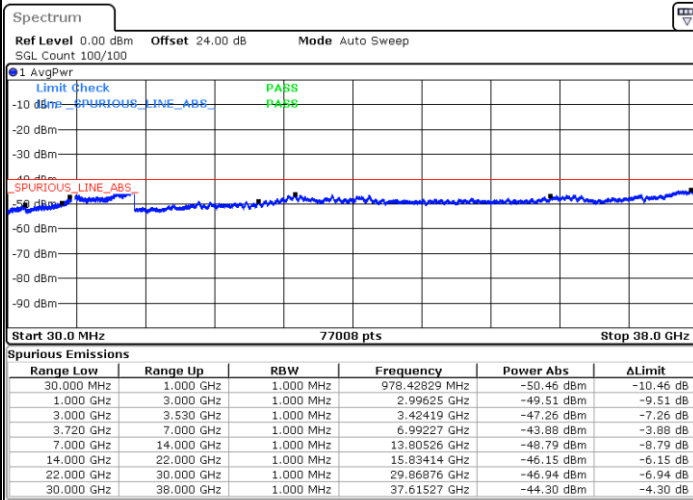


LTE Band 48 / 20MHz

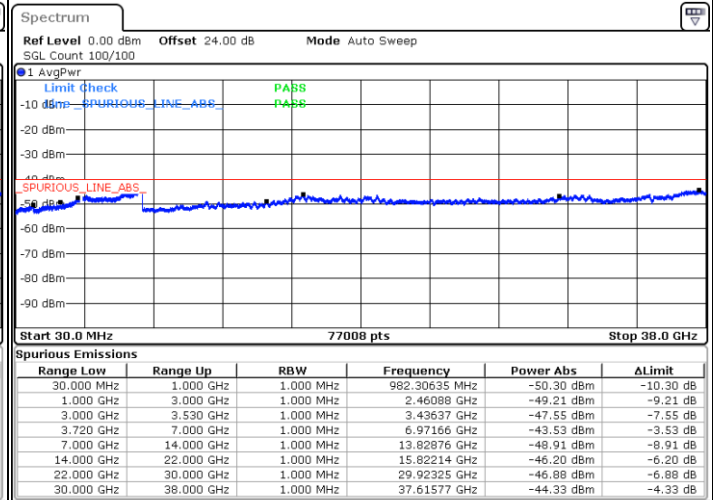
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



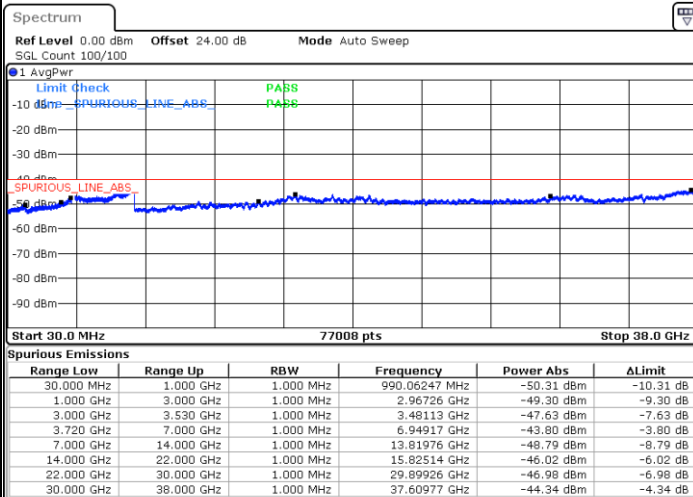
Date: 6 AUG 2020 16:27:35



Date: 6 AUG 2020 16:37:40

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 16:17:31

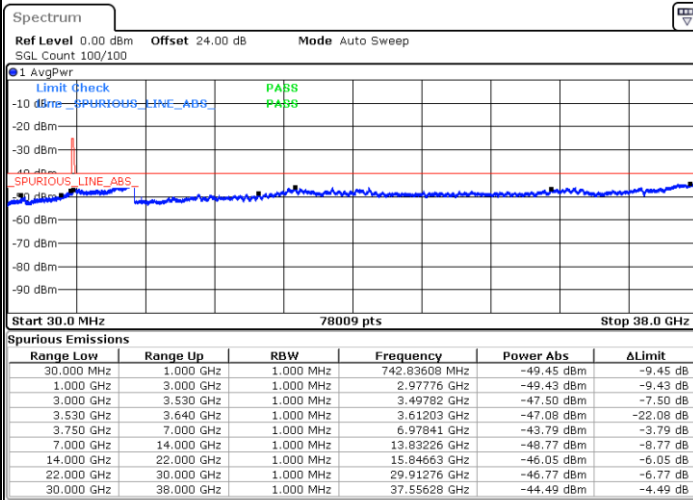


LTE Band 48 / 20MHz

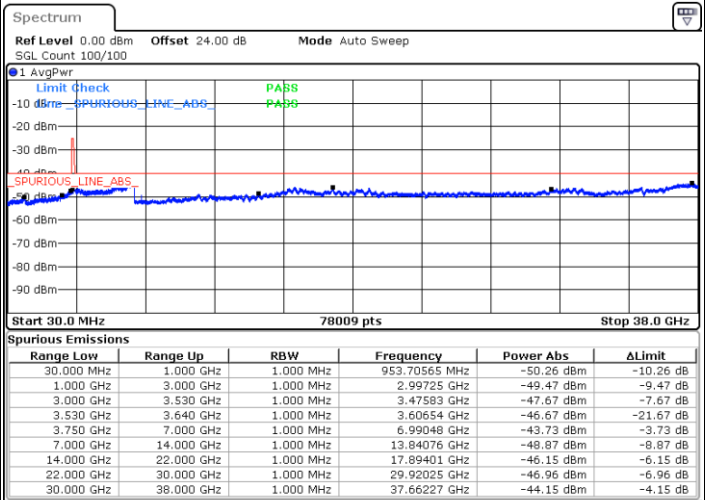
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



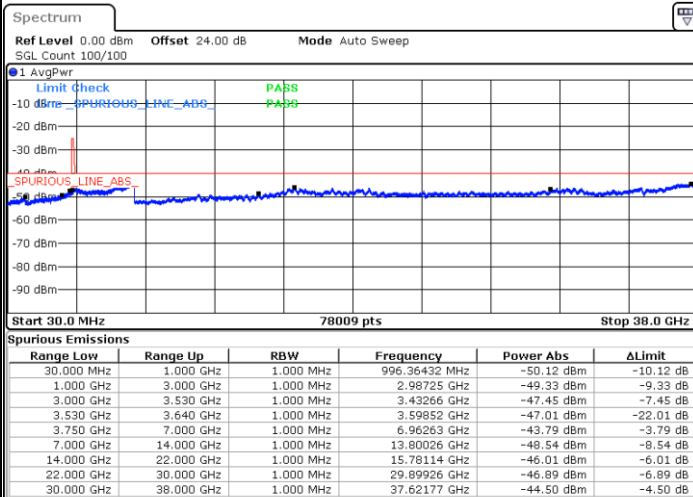
Date: 6 AUG 2020 16:30:57



Date: 6 AUG 2020 16:41:02

Highest Channel / FullRB

N/A



Date: 6 AUG 2020 16:20:52

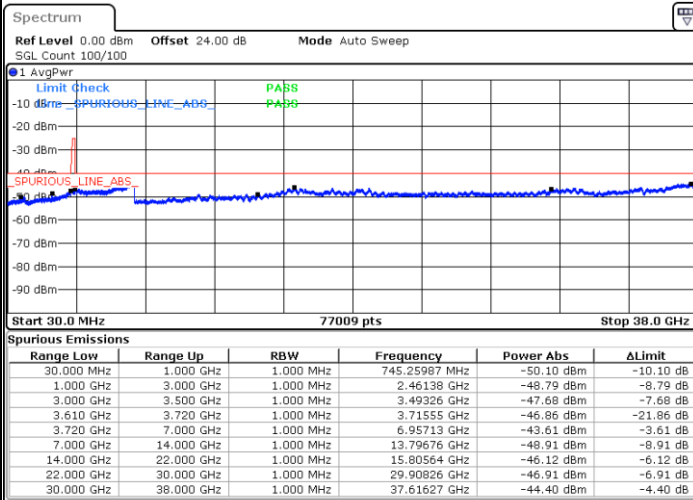


LTE Band 48 / 5MHz

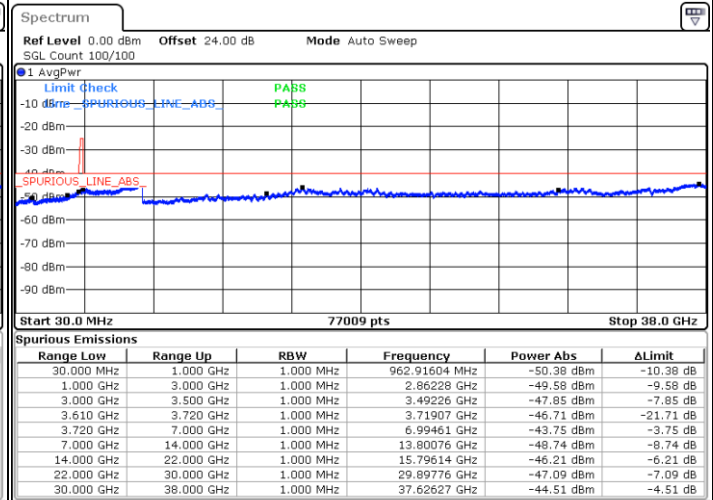
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



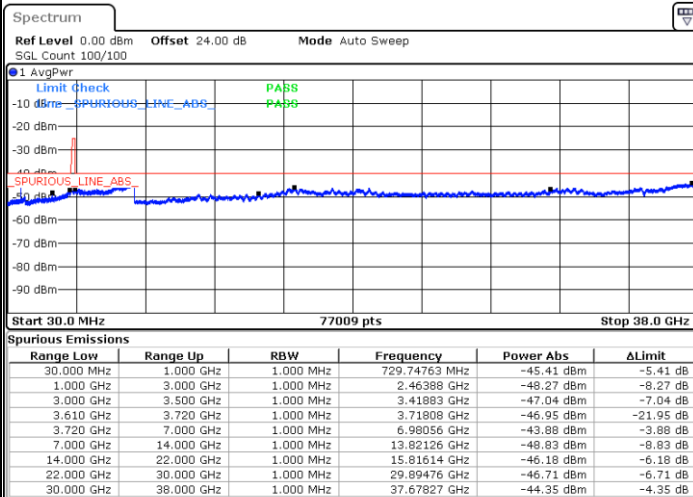
Date: 6 AUG 2020 14:44:31



Date: 6 AUG 2020 15:04:42

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 14:54:37

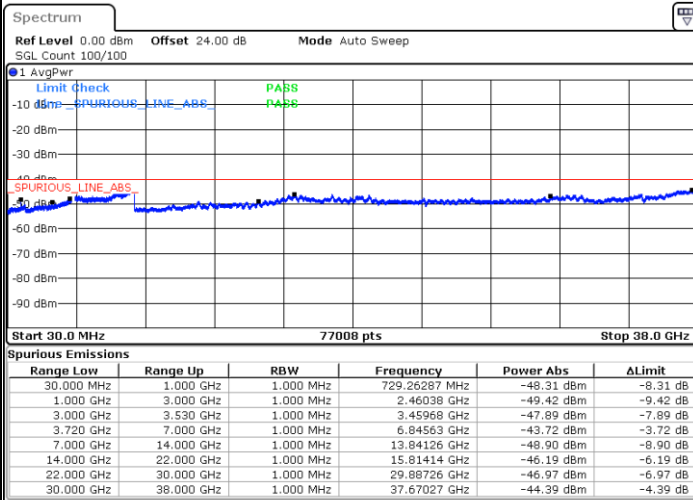


LTE Band 48 / 5MHz

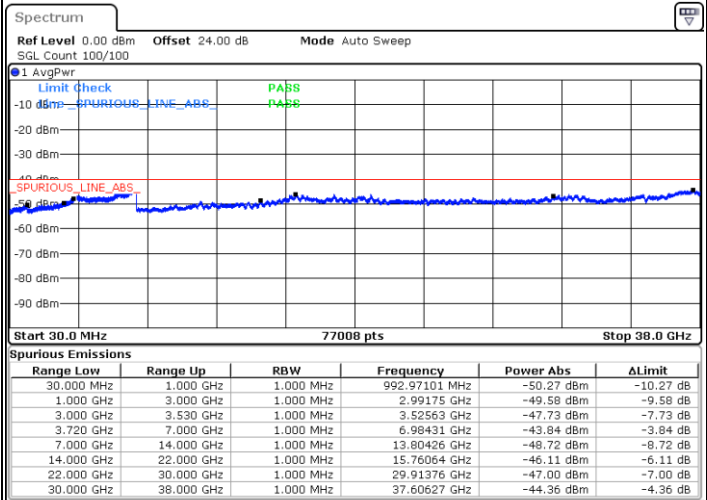
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



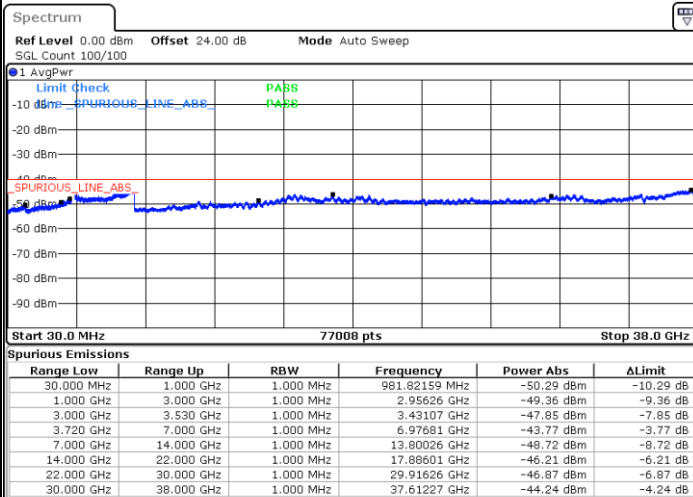
Date: 6 AUG 2020 14:45:38



Date: 6 AUG 2020 15:05:49

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 14:55:44

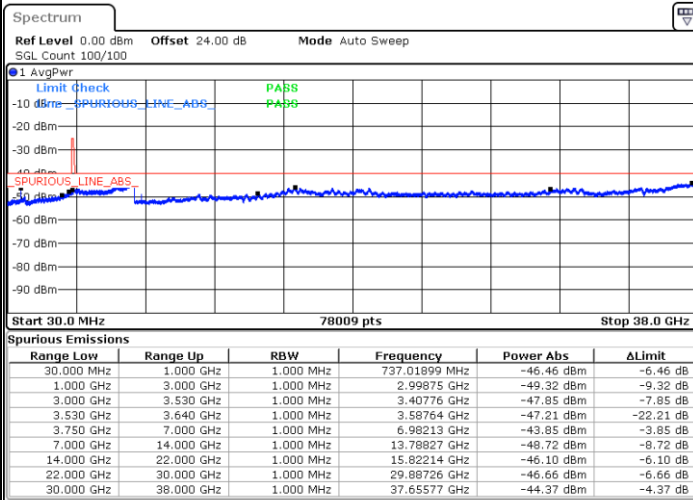


LTE Band 48 / 5MHz

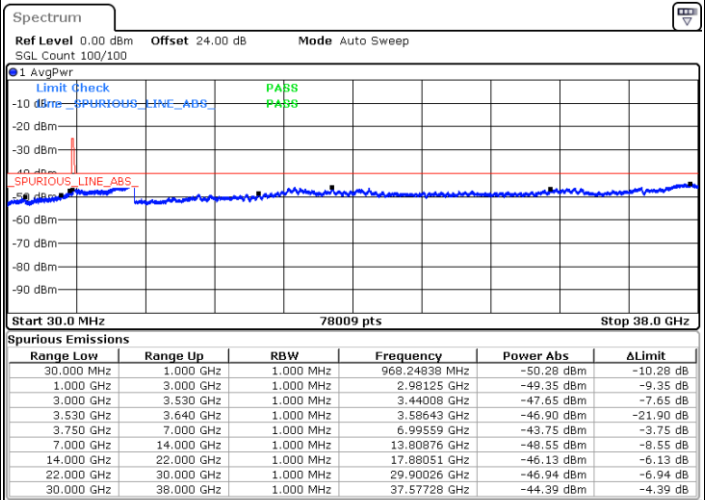
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



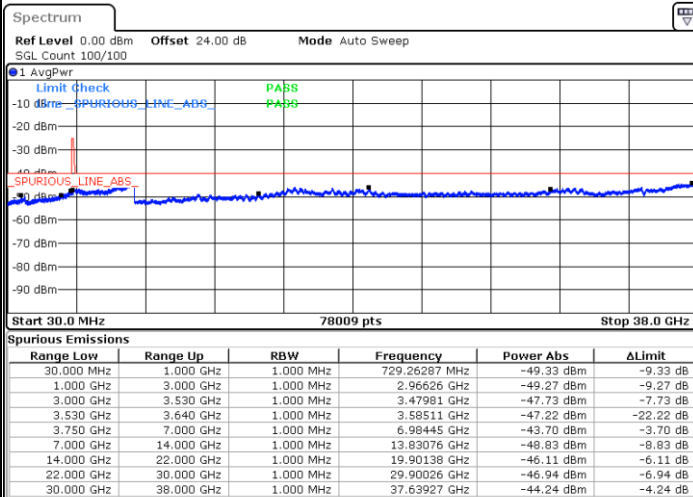
Date: 6 AUG 2020 14:51:14



Date: 6 AUG 2020 15:11:25

Highest Channel / FullIRB

N/A



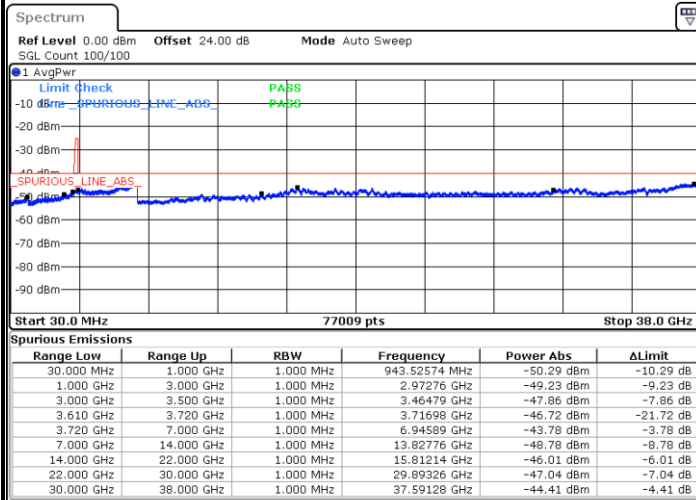
Date: 6 AUG 2020 15:01:19



LTE Band 48 / 10MHz

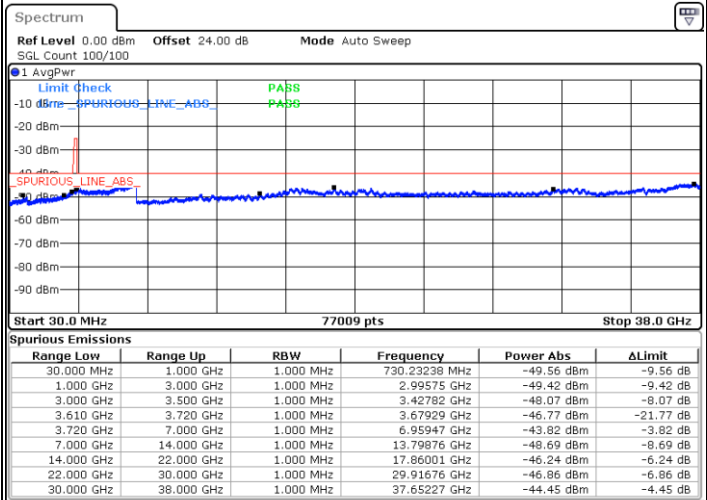
64QAM

Lowest Channel / 1RB0



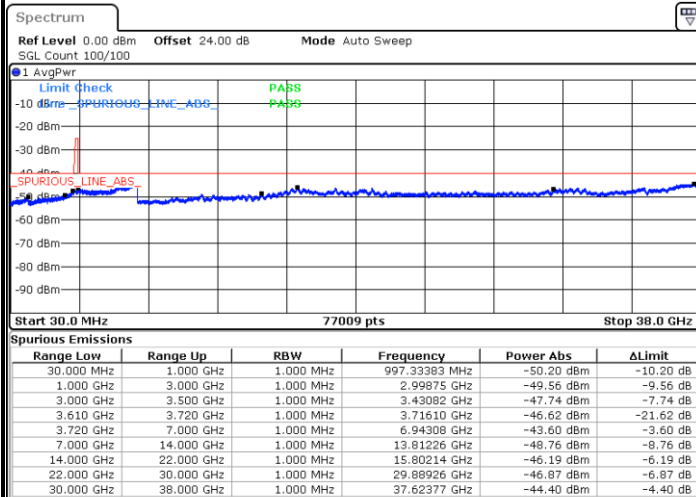
Date: 6 AUG 2020 15:12:32

Lowest Channel / 1RBmax



Date: 6 AUG 2020 15:32:43

Lowest Channel / FullIRB



Date: 6 AUG 2020 15:22:38

N/A

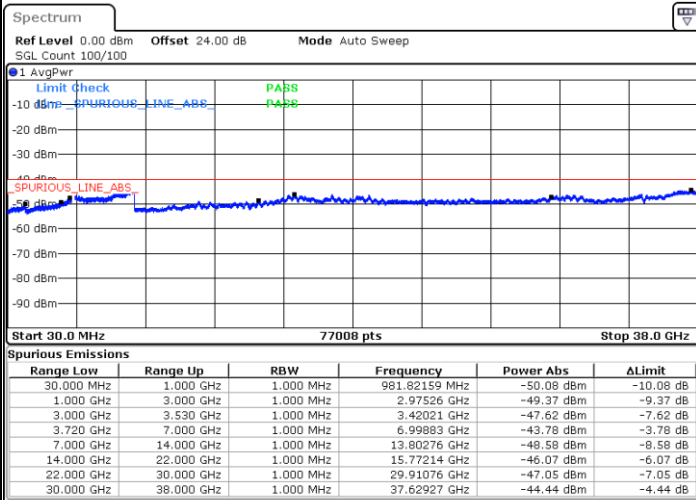


LTE Band 48 / 10MHz

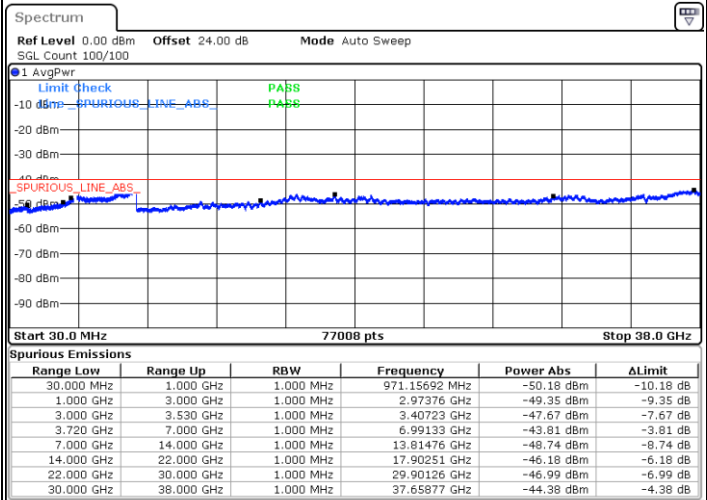
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



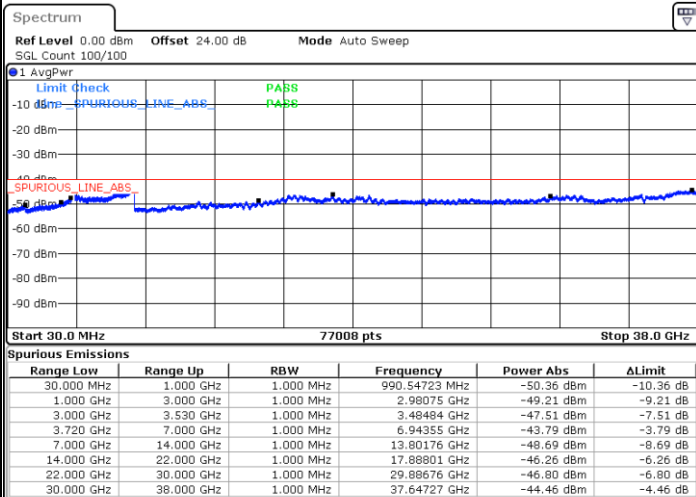
Date: 6 AUG 2020 15:18:08



Date: 6 AUG 2020 15:38:18

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 15:28:13

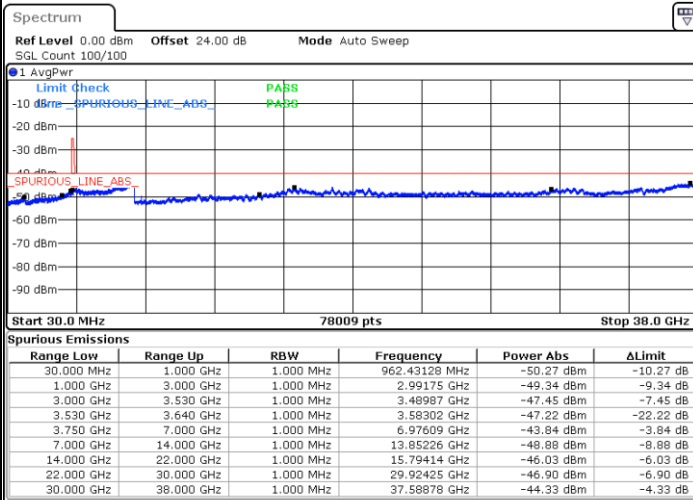


LTE Band 48 / 10MHz

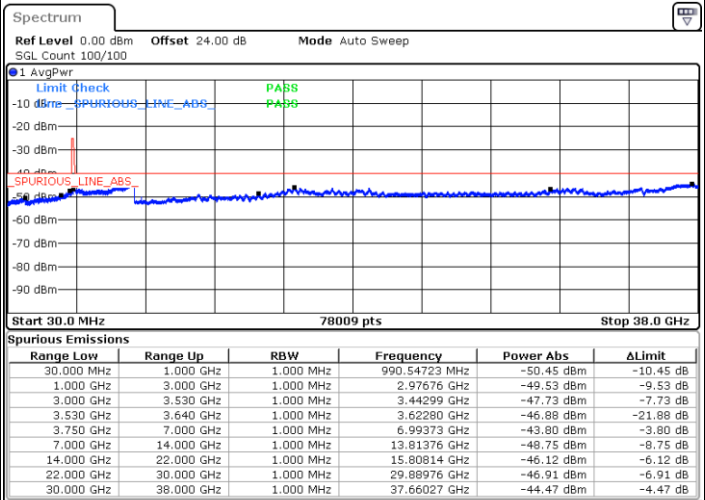
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



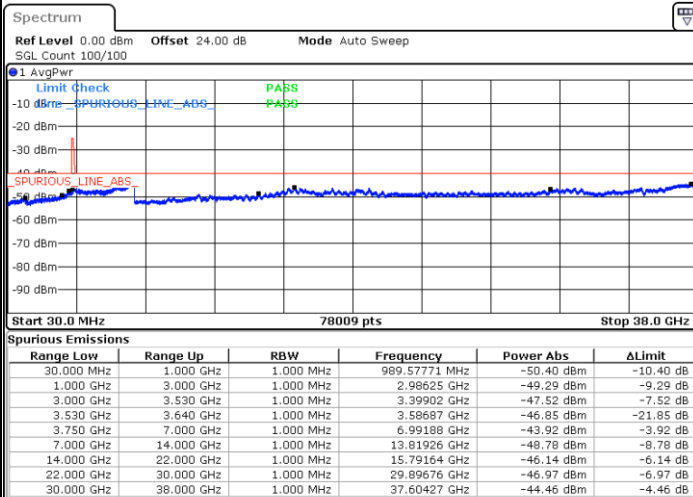
Date: 6 AUG 2020 15:19:15



Date: 6 AUG 2020 15:39:25

Highest Channel / FullRB

N/A



Date: 6 AUG 2020 15:29:20

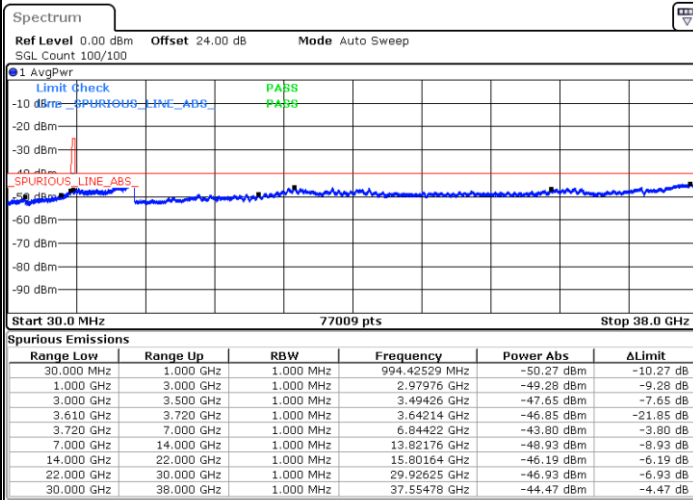


LTE Band 48 / 15MHz

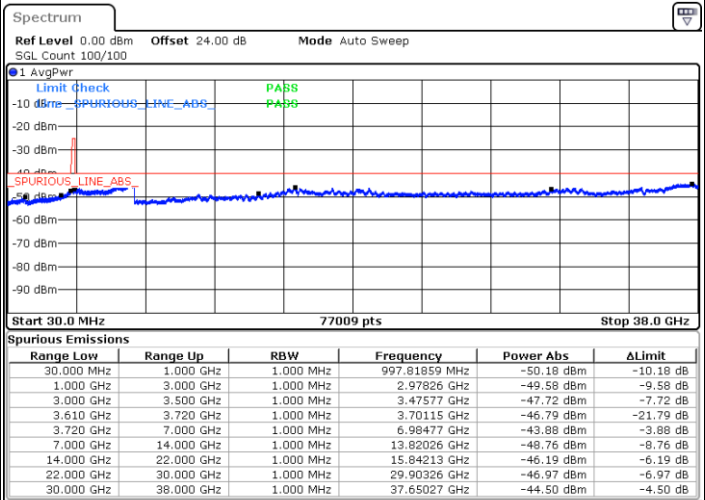
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



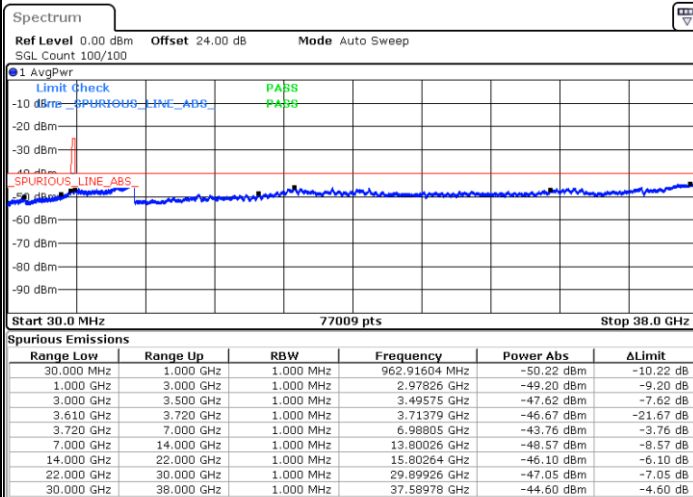
Date: 6 AUG 2020 15:45:03



Date: 6 AUG 2020 16:05:12

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 15:55:08

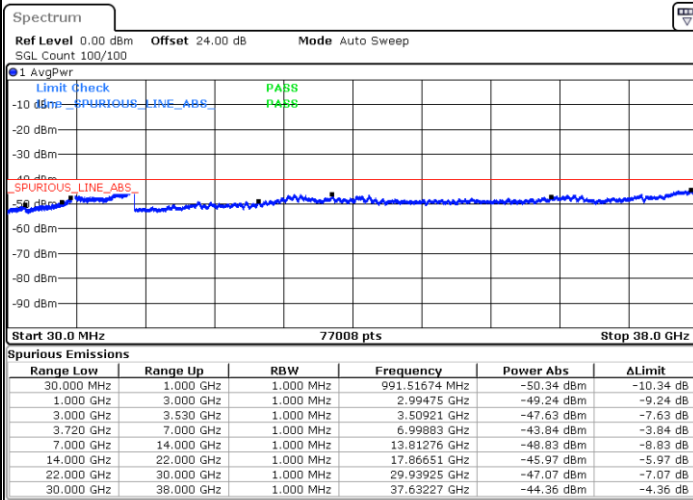


LTE Band 48 / 15MHz

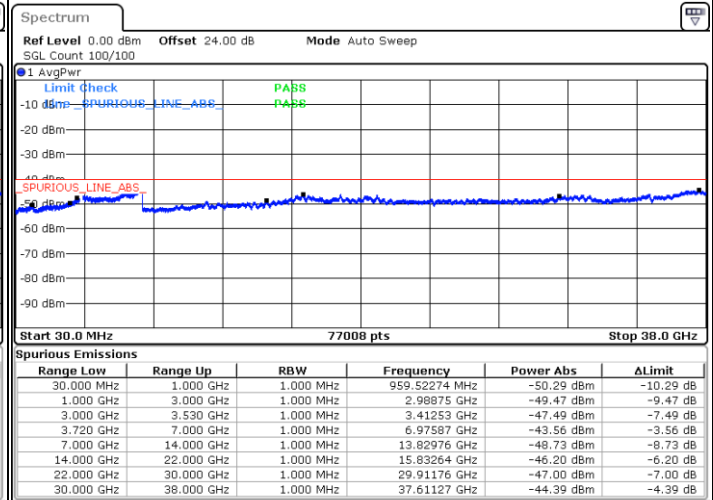
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



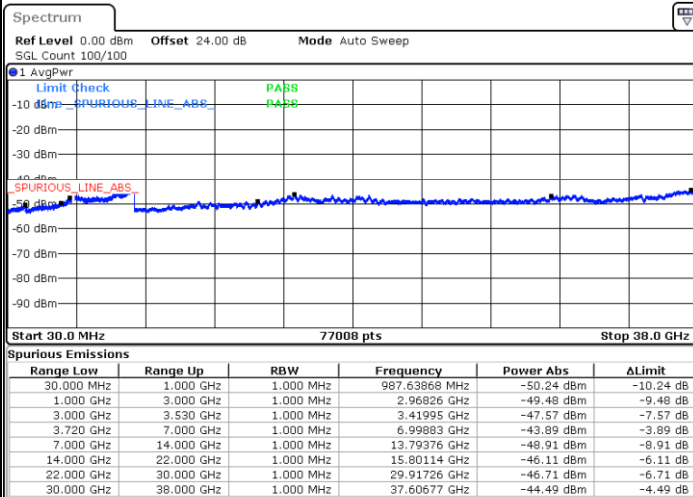
Date: 6 AUG 2020 15:46:10



Date: 6 AUG 2020 16:06:19

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 15:56:14

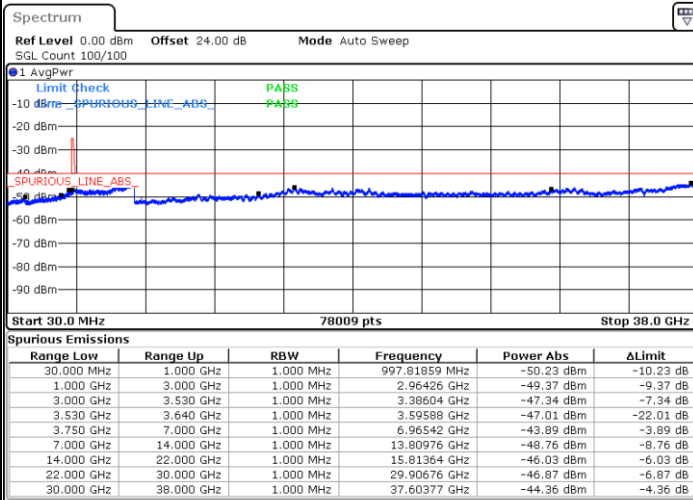


LTE Band 48 / 15MHz

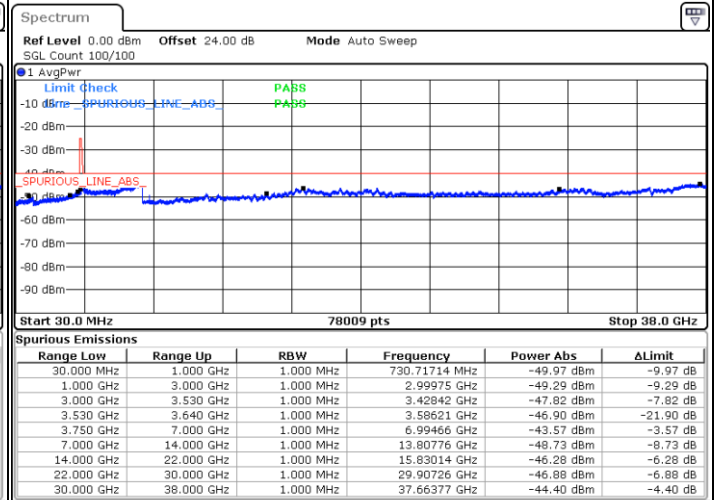
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



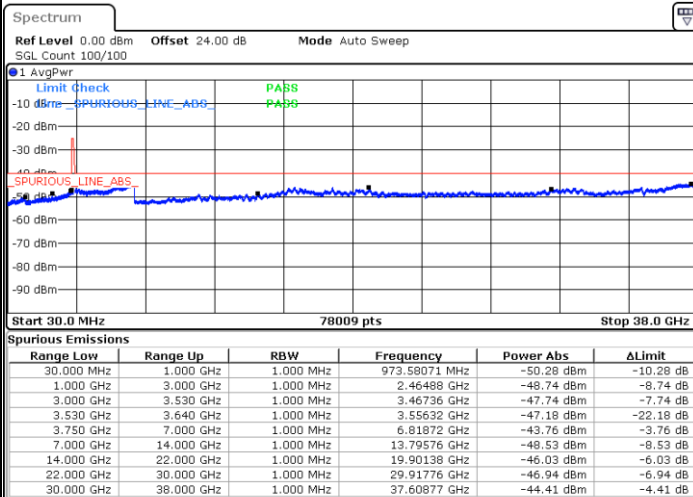
Date: 6 AUG 2020 15:51:45



Date: 6 AUG 2020 16:11:55

Highest Channel / FullIRB

N/A



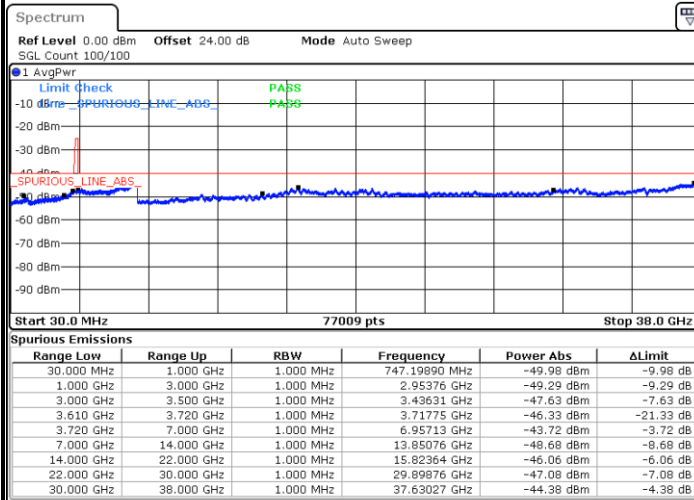
Date: 6 AUG 2020 16:01:50



LTE Band 48 / 20MHz

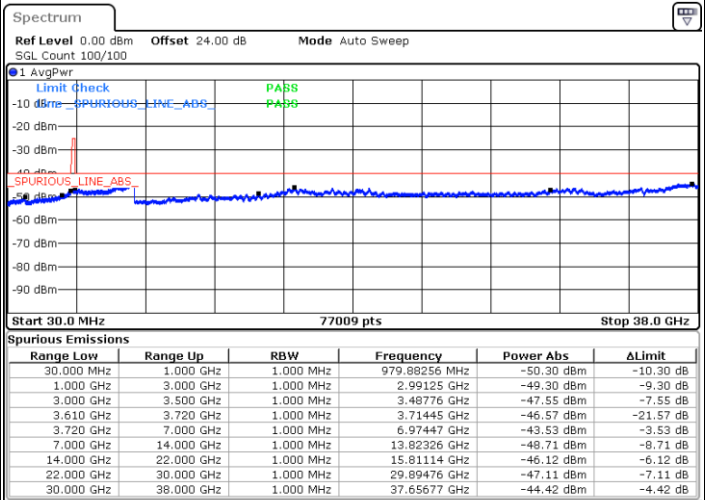
64QAM

Lowest Channel / 1RB0



Date: 6 AUG 2020 16:23:07

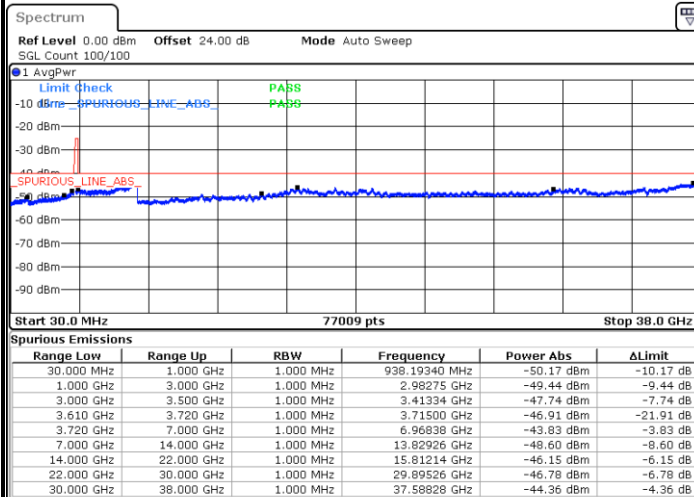
Lowest Channel / 1RBmax



Date: 6 AUG 2020 16:33:12

Lowest Channel / FullIRB

N/A



Date: 6 AUG 2020 16:13:02

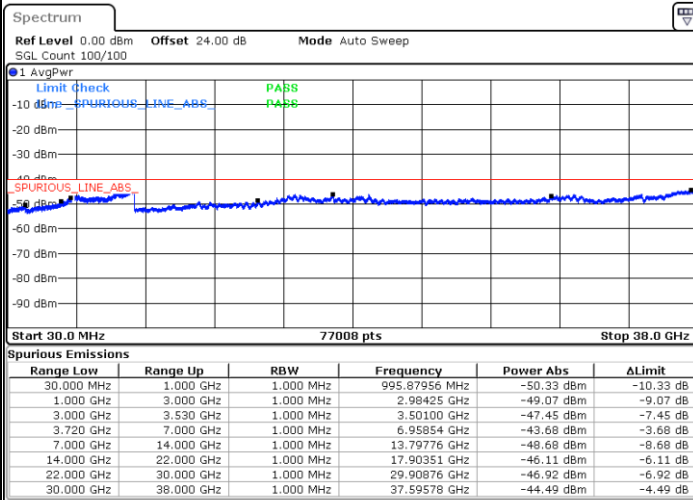


LTE Band 48 / 20MHz

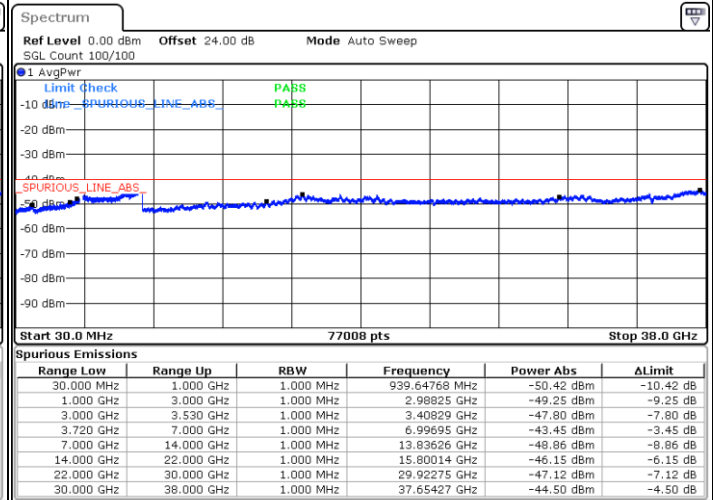
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



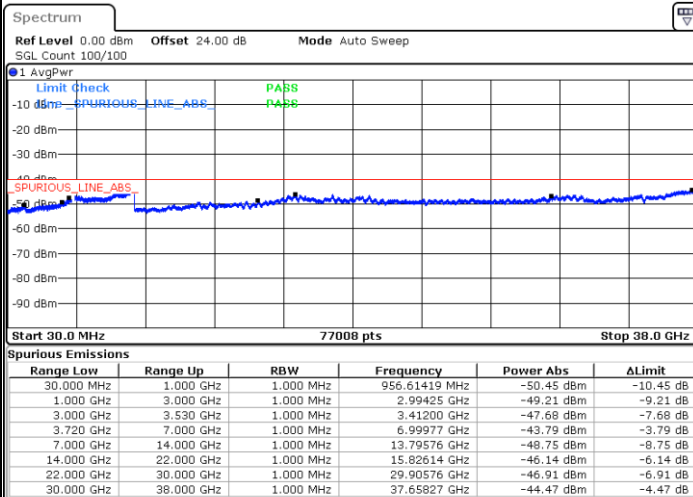
Date: 6 AUG 2020 16:28:42



Date: 6 AUG 2020 16:38:47

Middle Channel / FullIRB

N/A



Date: 6 AUG 2020 16:18:37

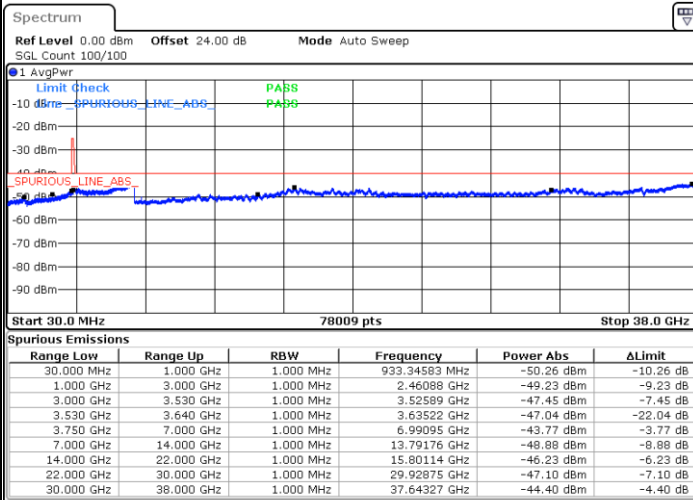


LTE Band 48 / 20MHz

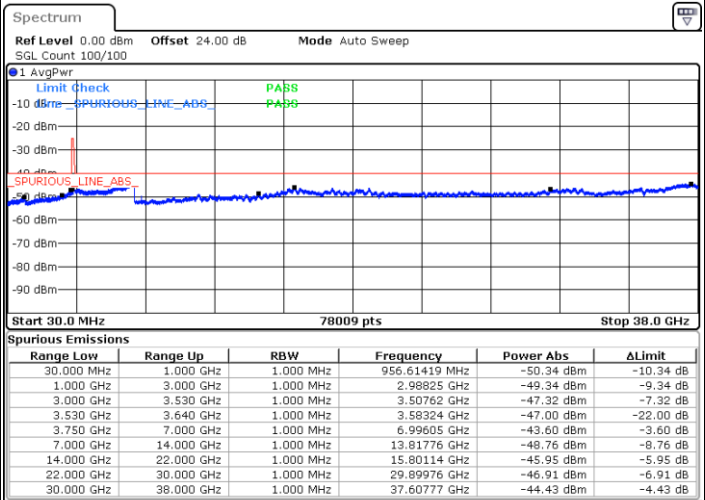
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



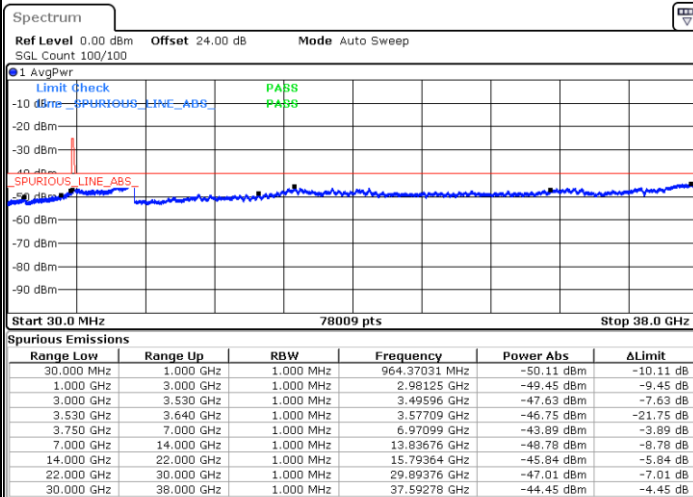
Date: 6 AUG 2020 16:29:49



Date: 6 AUG 2020 16:39:54

Highest Channel / FullRB

N/A



Date: 6 AUG 2020 16:19:44

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	0.0026	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage = DC 48 V. ; Battery End Point (BEP) = DC 36 V. ; Maximum Voltage = DC 55 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 48C

<CA Mode for Sample 1>

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.83	30.09	35.11	24.93
Middle CH	24.93	29.97	34.97	24.73
Highest CH	24.83	29.97	34.97	24.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.04	39.88	-
Middle CH	29.97	34.97	39.88	-
Highest CH	29.97	34.90	39.72	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.73	29.97	34.90	24.93
Middle CH	24.68	30.03	34.83	24.98
Highest CH	24.78	29.91	34.83	24.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.83	39.88	-
Middle CH	30.63	34.97	39.72	-
Highest CH	30.03	34.83	39.80	-

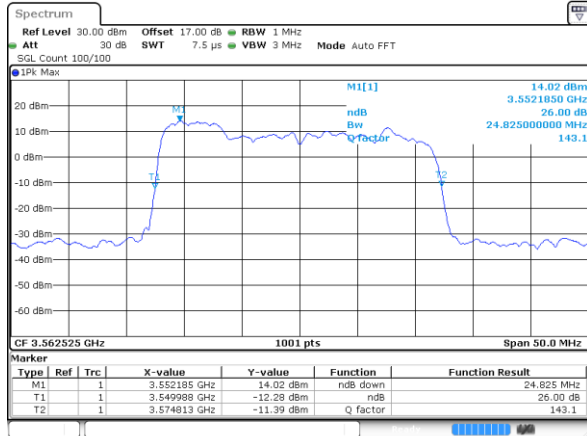
Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.73	29.97	34.97	24.83
Middle CH	24.88	29.97	34.97	24.88
Highest CH	24.83	29.97	35.04	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.83	39.80	-
Middle CH	29.91	35.04	39.56	-
Highest CH	29.91	35.04	39.88	-



LTE Band 48C

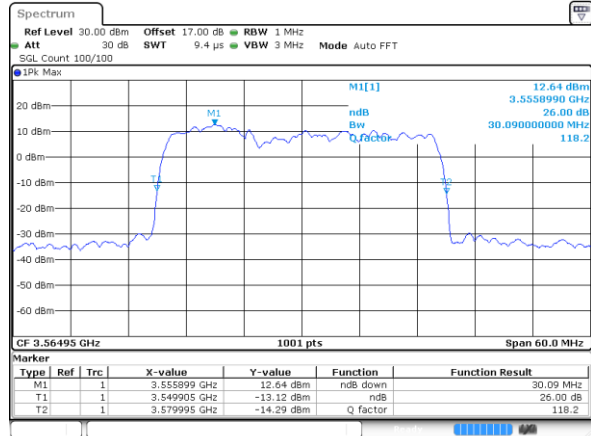
QPSK

Lowest Channel / 5MHz+20MHz



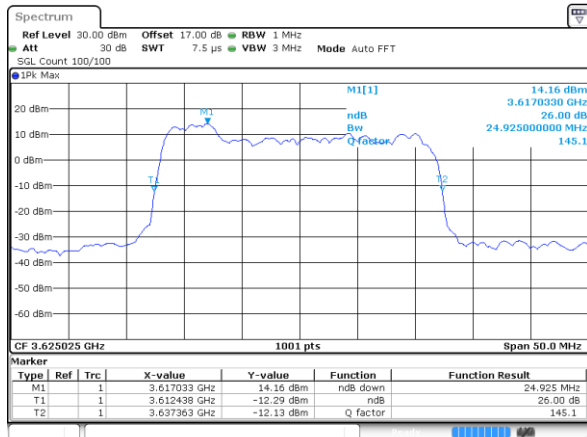
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Lowest Channel / 10MHz+20MHz



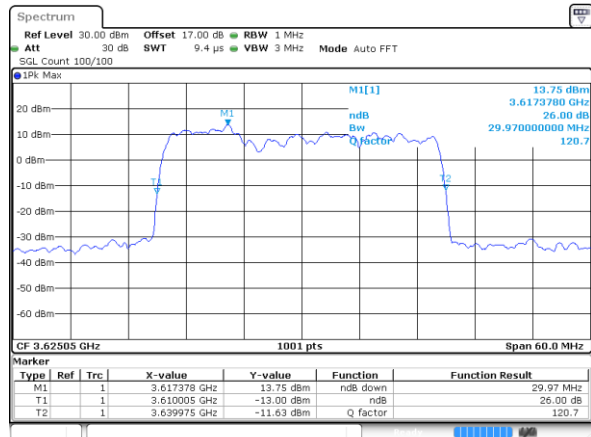
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Middle Channel / 5MHz+20MHz



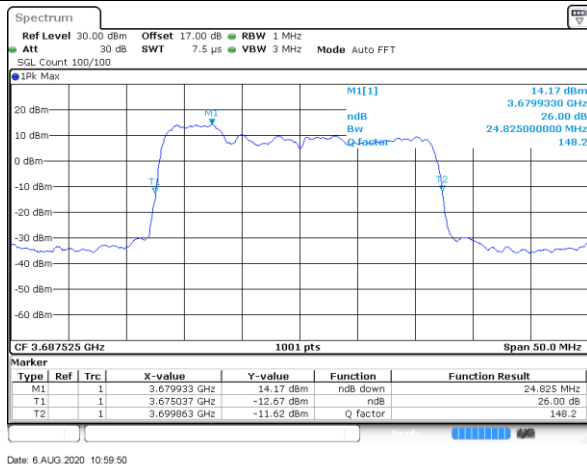
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Middle Channel / 10MHz+20MHz



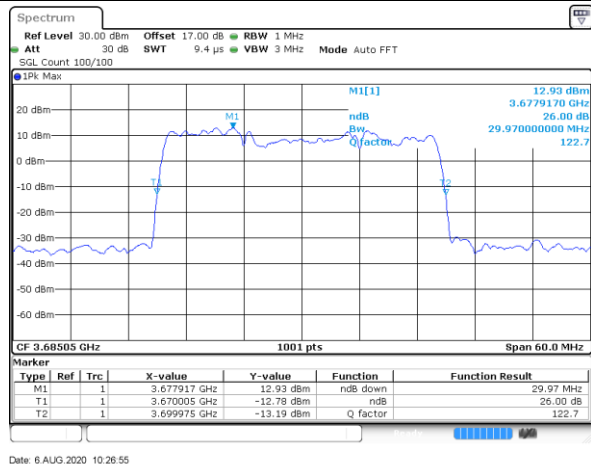
Date: 6 AUG 2020 10:23:48

Highest Channel / 5MHz+20MHz



Date: 6 AUG 2020 10:59:50

Highest Channel / 10MHz+20MHz



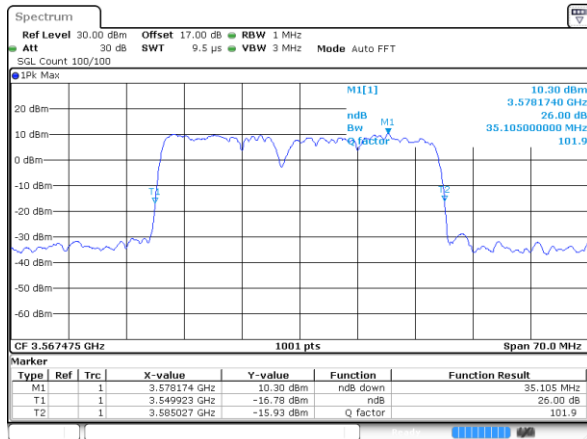
Date: 6 AUG 2020 10:26:55



LTE Band 48C

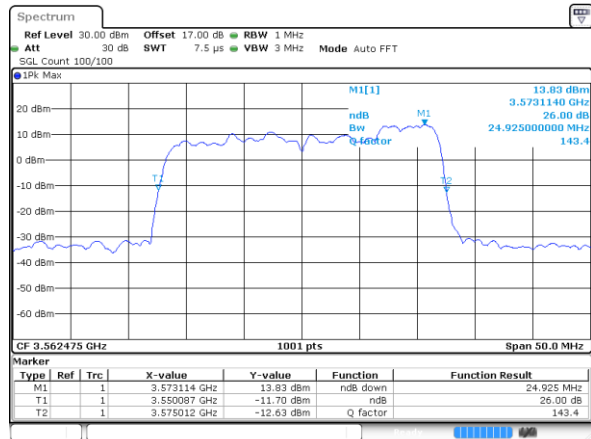
QPSK

Lowest Channel / 15MHz+20MHz



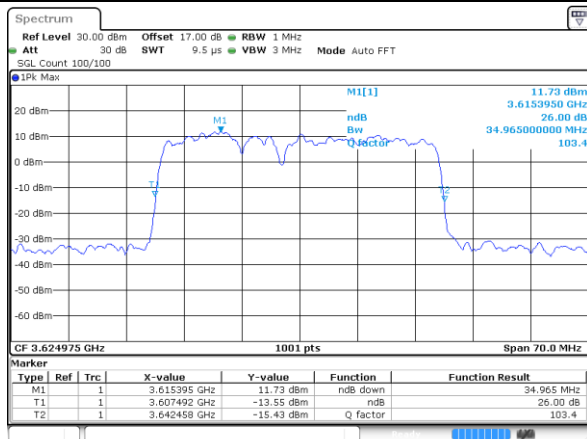
Date: 6 AUG 2020 09:49:00

Lowest Channel / 20MHz+5MHz



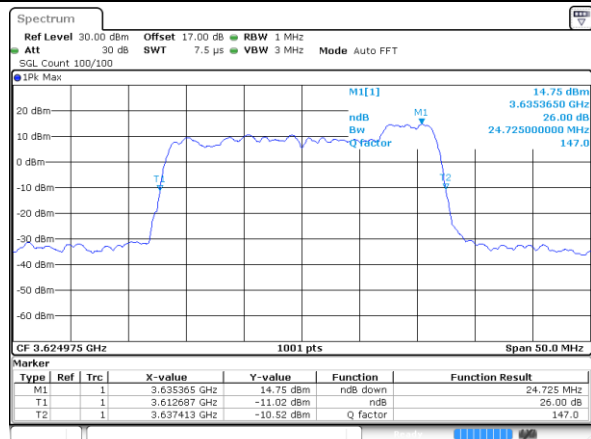
Date: 6 AUG 2020 10:31:28

Middle Channel / 15MHz+20MHz



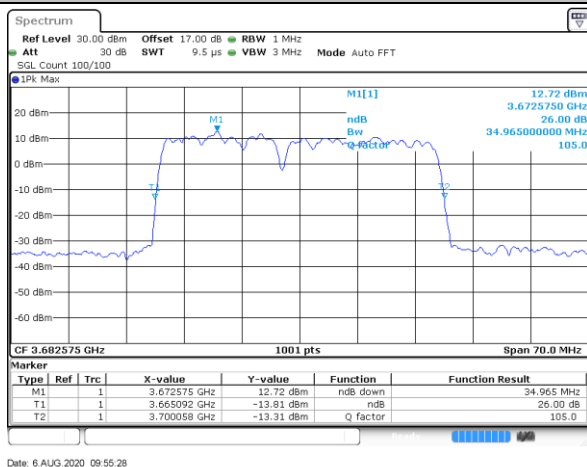
Date: 6 AUG 2020 09:53:09

Middle Channel / 20MHz+5MHz



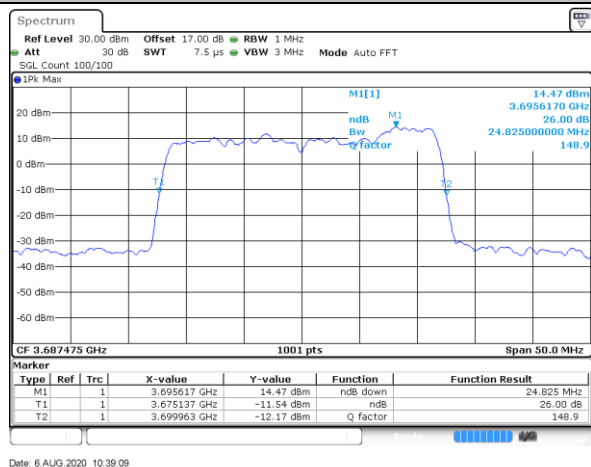
Date: 6 AUG 2020 10:35:47

Highest Channel / 15MHz+20MHz



Date: 6 AUG 2020 09:55:28

Highest Channel / 20MHz+5MHz



Date: 6 AUG 2020 10:39:09