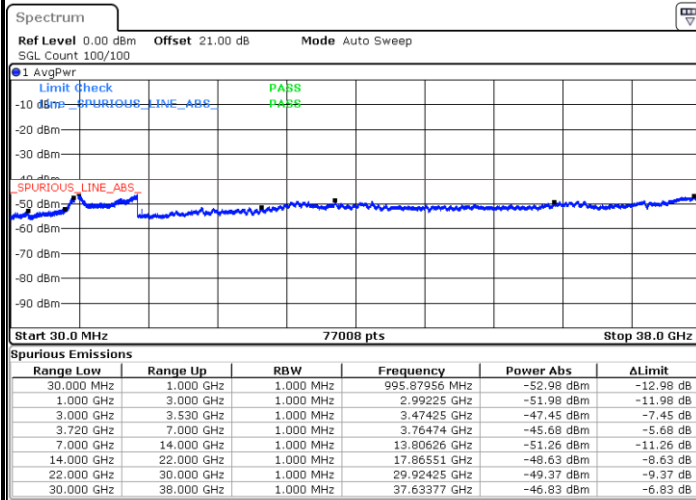




LTE Band 48 / 5MHz

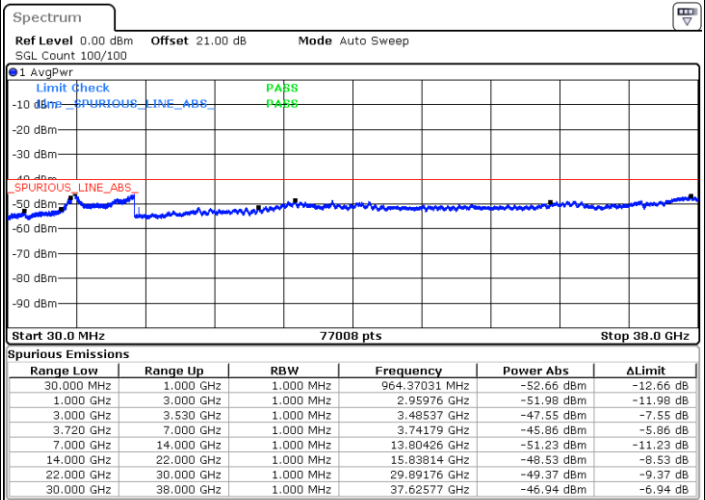
16QAM

Middle Channel / 1RB0



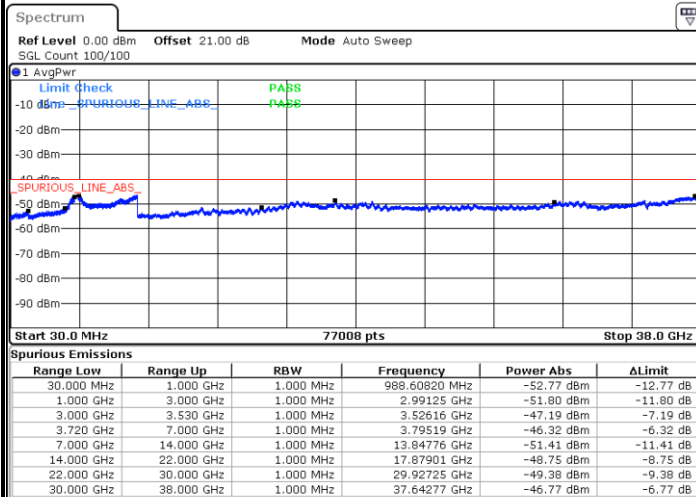
Date: 4 AUG 2020 08:25:57

Middle Channel / 1RBmax



Date: 4 AUG 2020 08:45:54

Middle Channel / FullIRB



Date: 4 AUG 2020 08:35:55

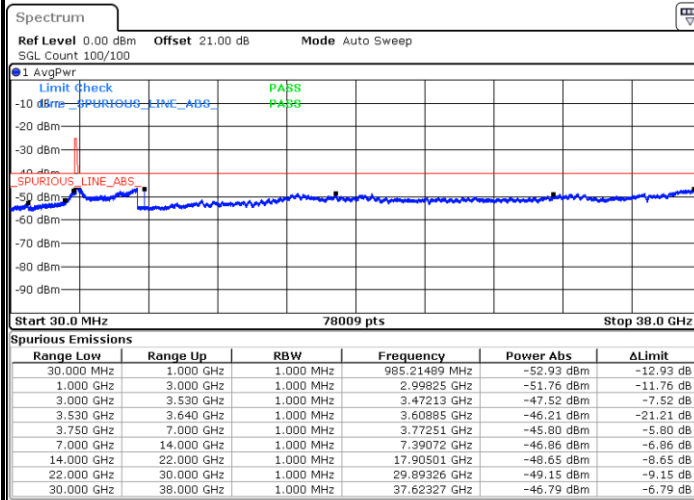
N/A



LTE Band 48 / 5MHz

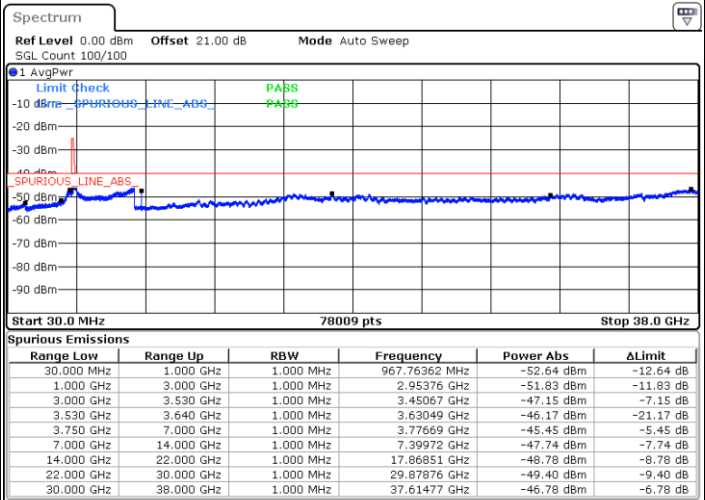
16QAM

Highest Channel / 1RB0



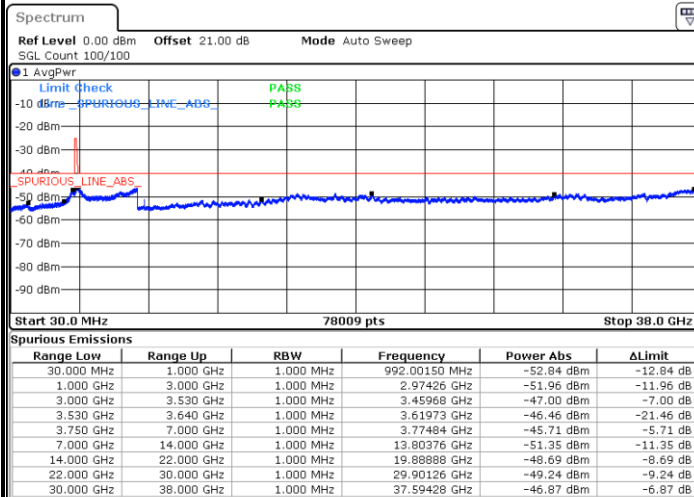
Date: 4 AUG 2020 08:29:16

Highest Channel / 1RBmax



Date: 4 AUG 2020 08:49:14

Highest Channel / FullIRB



Date: 4 AUG 2020 08:39:15

N/A

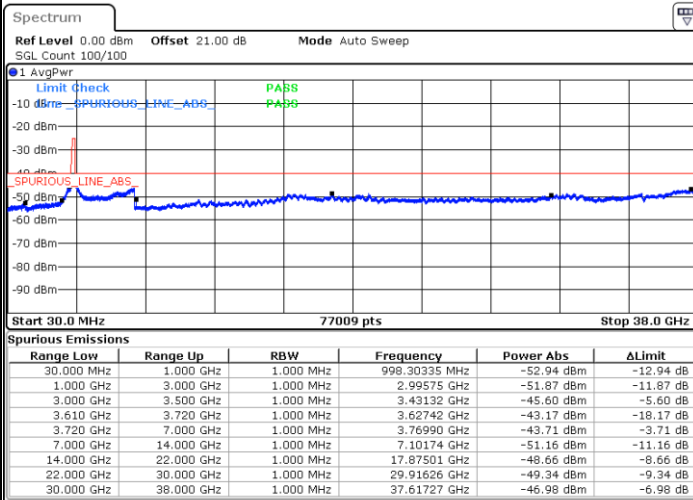


LTE Band 48 / 10MHz

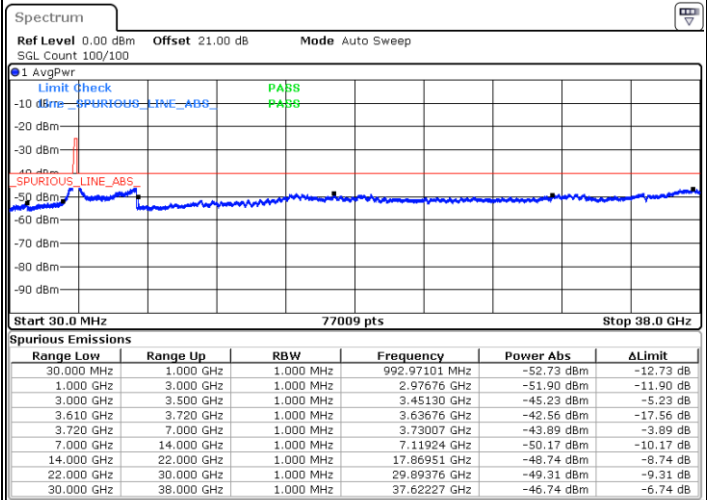
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



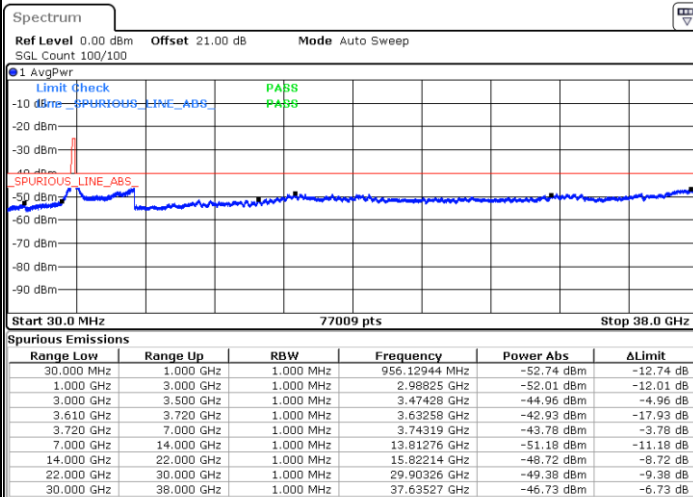
Date: 4 AUG 2020 08:52:36



Date: 4 AUG 2020 09:12:35

Lowest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:02:36

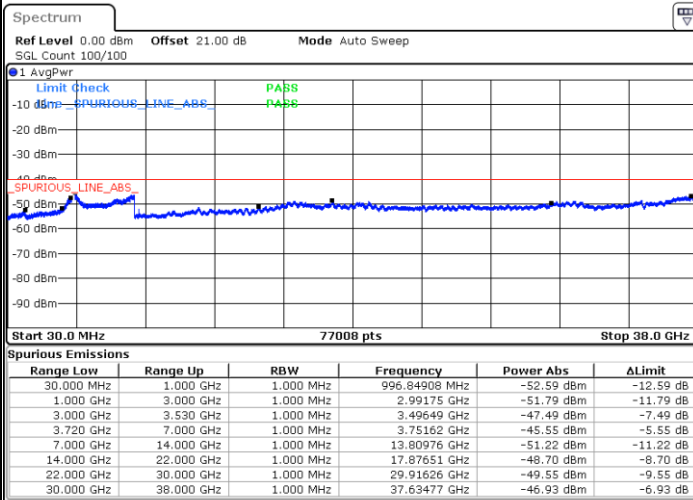


LTE Band 48 / 10MHz

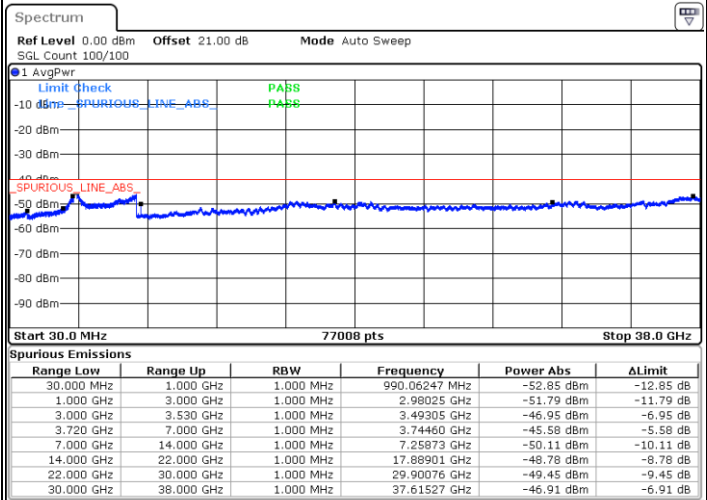
16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



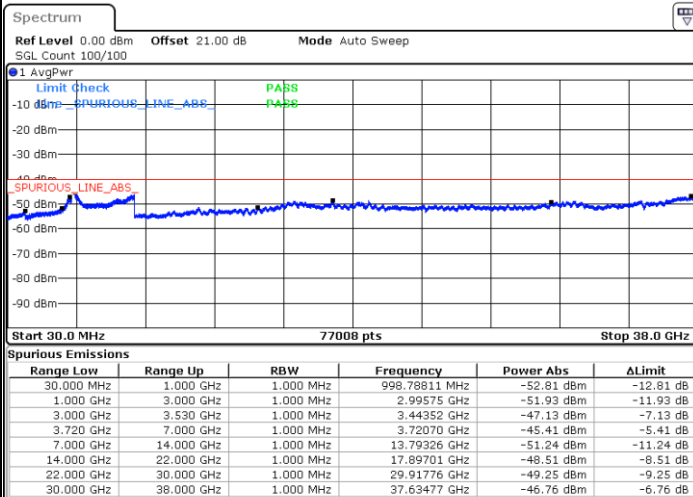
Date: 4 AUG 2020 08:55:55



Date: 4 AUG 2020 09:15:54

Middle Channel / FullIRB

N/A



Date: 4 AUG 2020 09:05:55

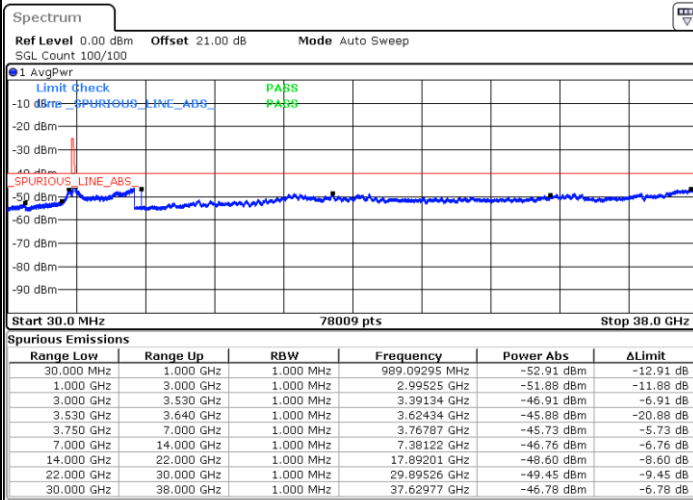


LTE Band 48 / 10MHz

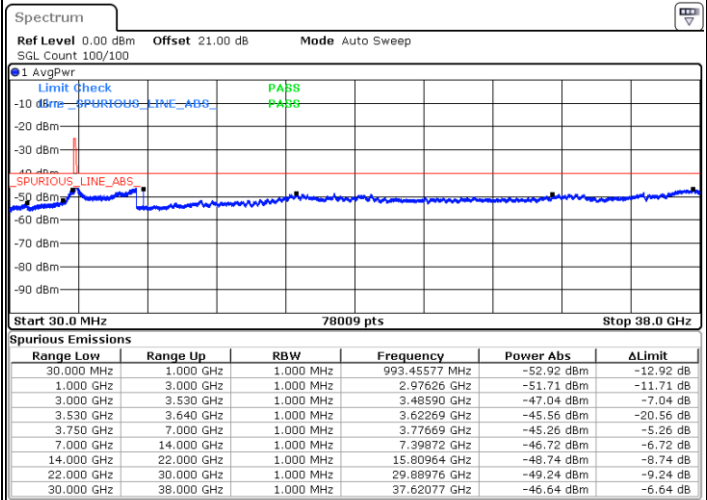
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



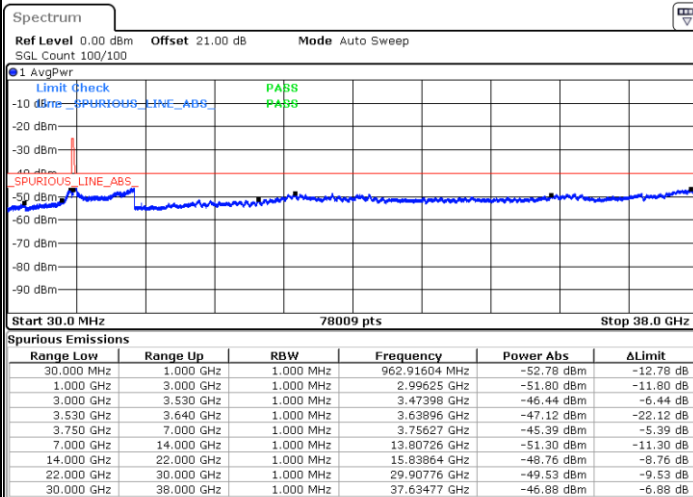
Date: 4 AUG 2020 08:59:15



Date: 4 AUG 2020 09:19:14

Highest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:09:14

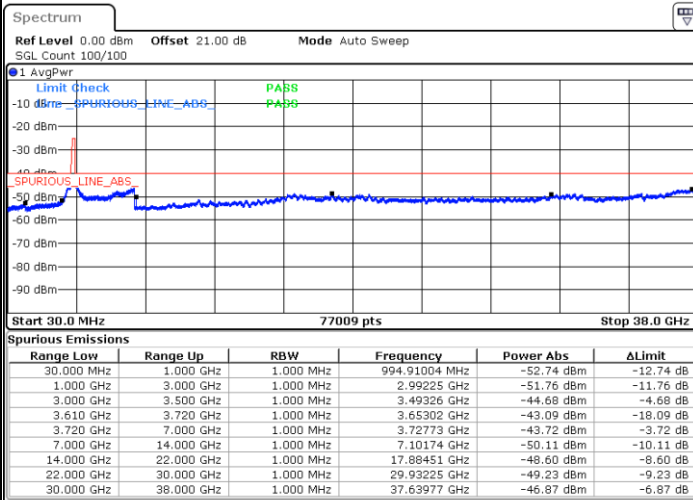


LTE Band 48 / 15MHz

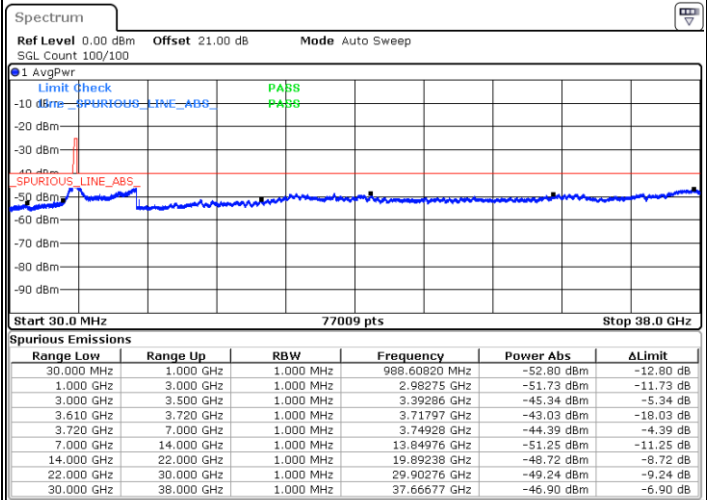
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



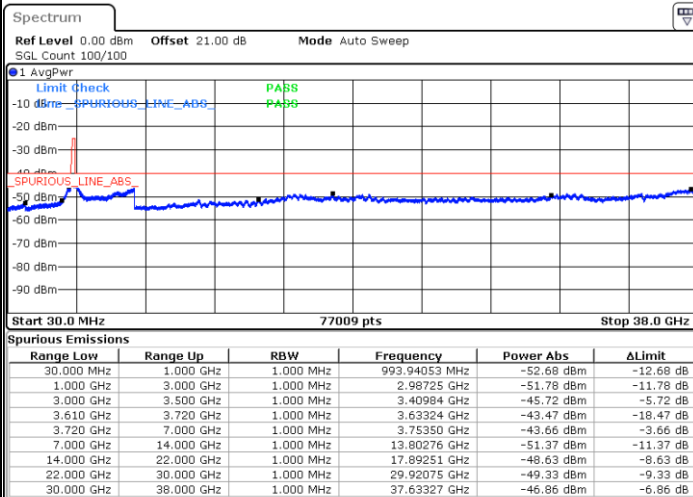
Date: 4 AUG 2020 09:22:36



Date: 4 AUG 2020 09:42:34

Lowest Channel / FullIRB

N/A



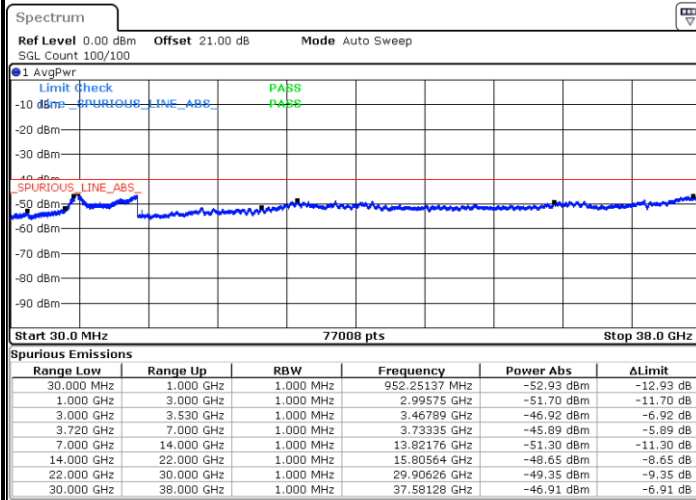
Date: 4 AUG 2020 09:32:34



LTE Band 48 / 15MHz

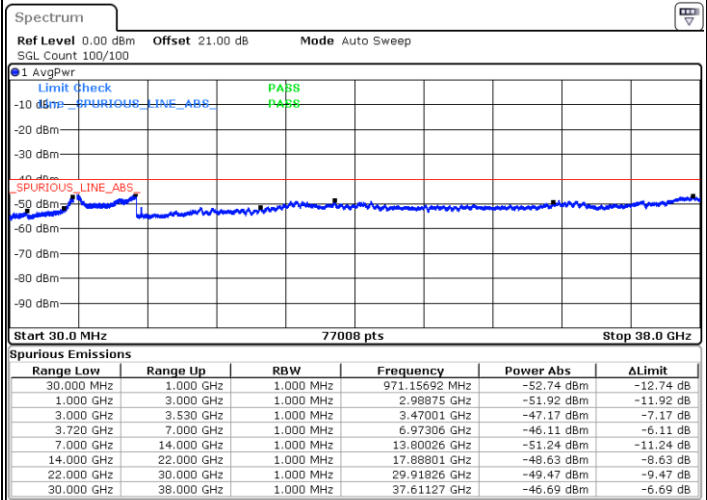
16QAM

Middle Channel / 1RB0



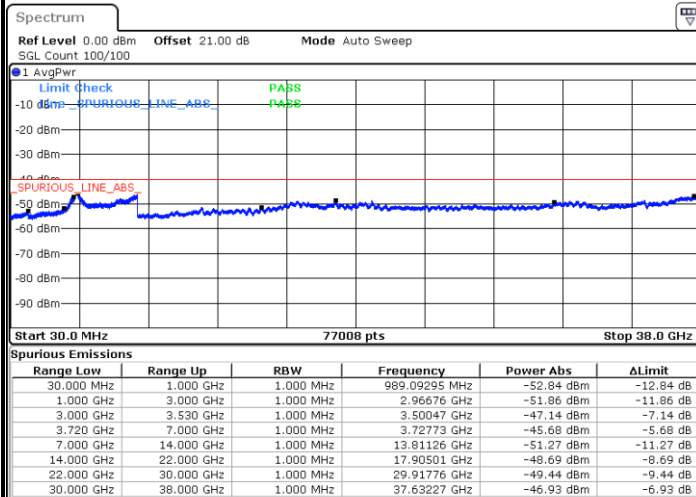
Date: 4 AUG 2020 09:25:55

Middle Channel / 1RBmax



Date: 4 AUG 2020 09:45:53

Middle Channel / FullIRB



Date: 4 AUG 2020 09:35:53

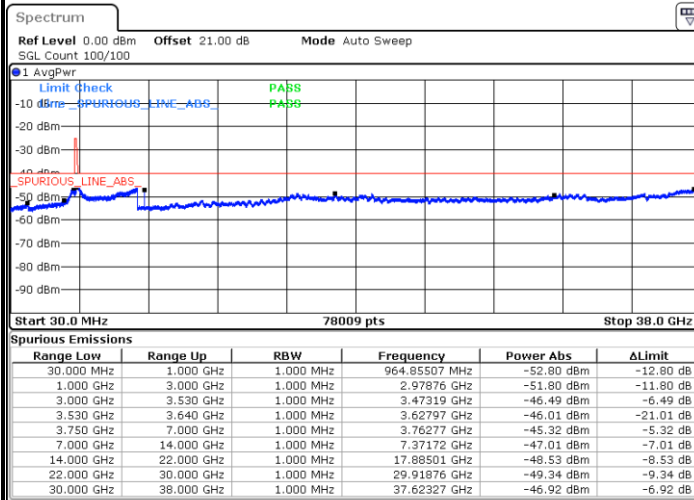
N/A



LTE Band 48 / 15MHz

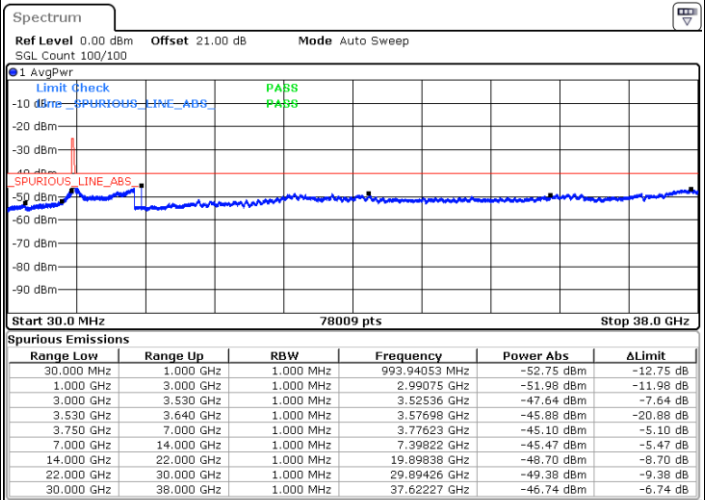
16QAM

Highest Channel / 1RB0



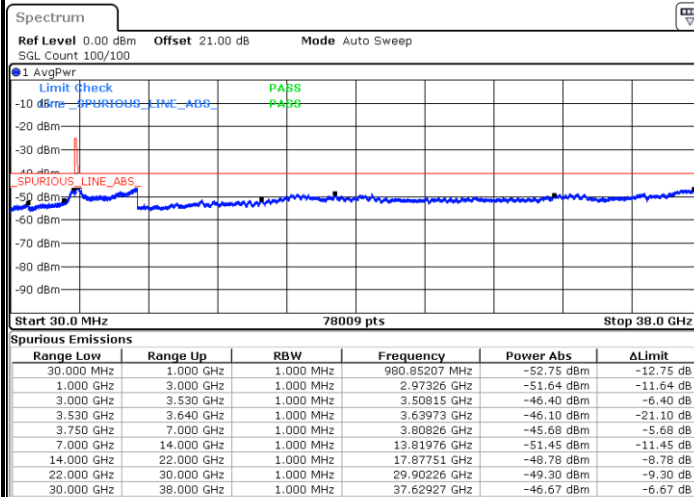
Date: 4 AUG 2020 09:29:14

Highest Channel / 1RBmax



Date: 4 AUG 2020 09:49:13

Highest Channel / FullIRB



Date: 4 AUG 2020 09:39:13

N/A

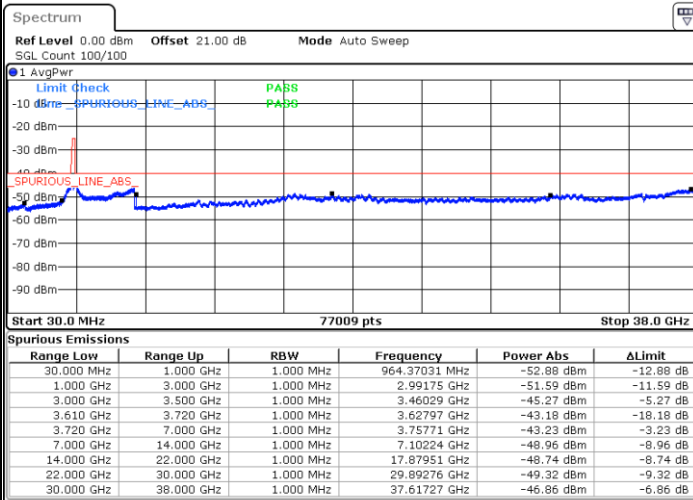


LTE Band 48 / 20MHz

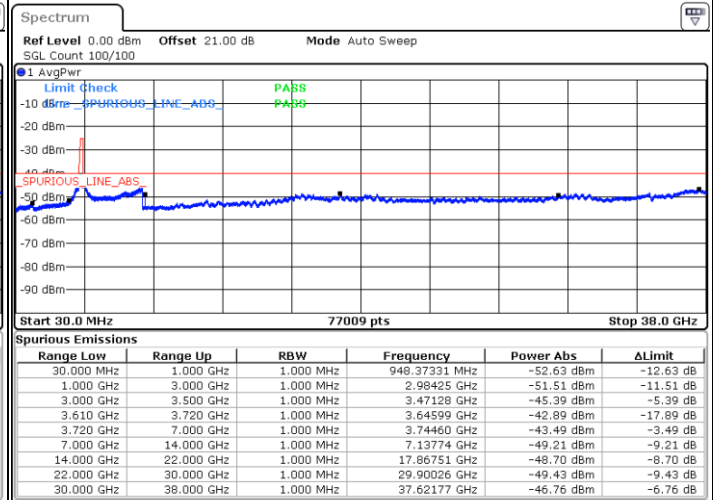
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



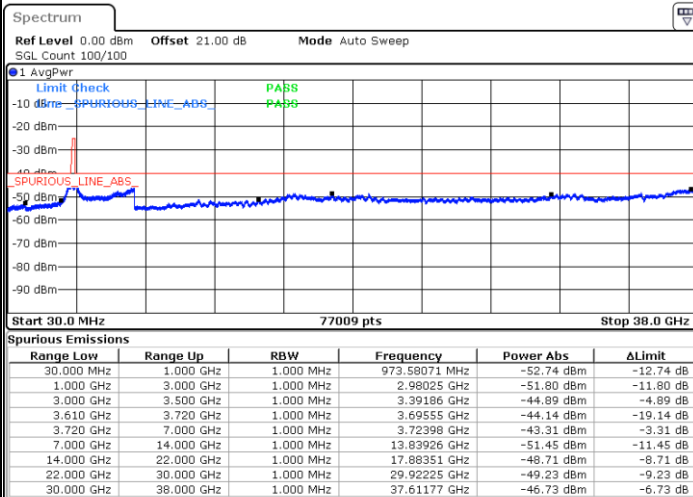
Date: 4 AUG 2020 10:02:33



Date: 4 AUG 2020 10:12:32

Lowest Channel / FullRB

N/A



Date: 4 AUG 2020 09:52:35

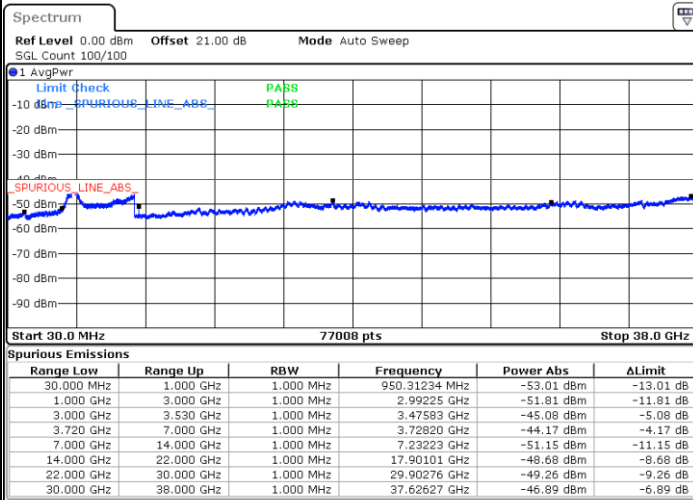


LTE Band 48 / 20MHz

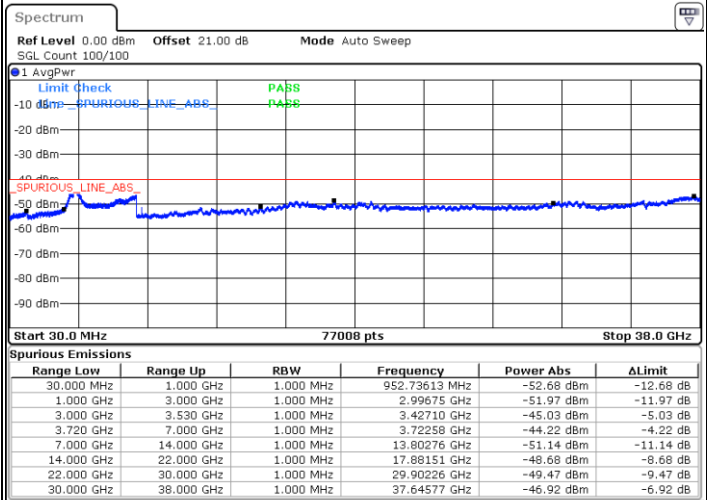
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



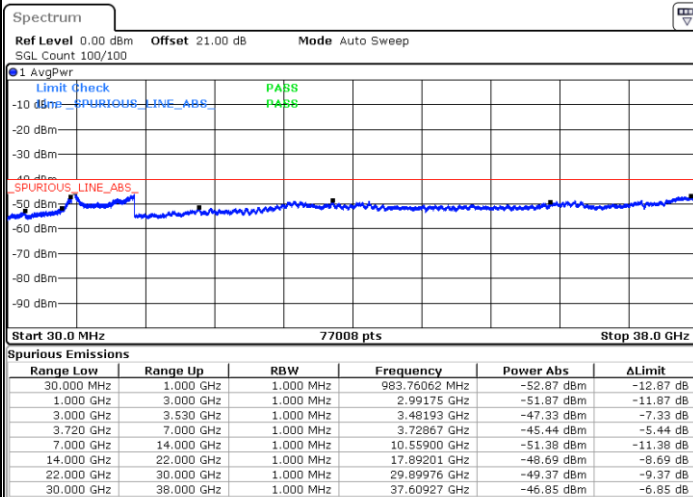
Date: 4 AUG 2020 10:05:52



Date: 4 AUG 2020 10:15:51

Middle Channel / FullIRB

N/A



Date: 4 AUG 2020 09:55:53

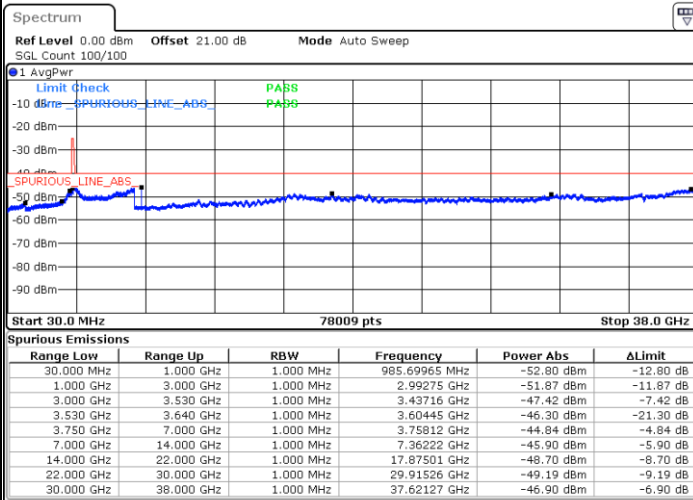


LTE Band 48 / 20MHz

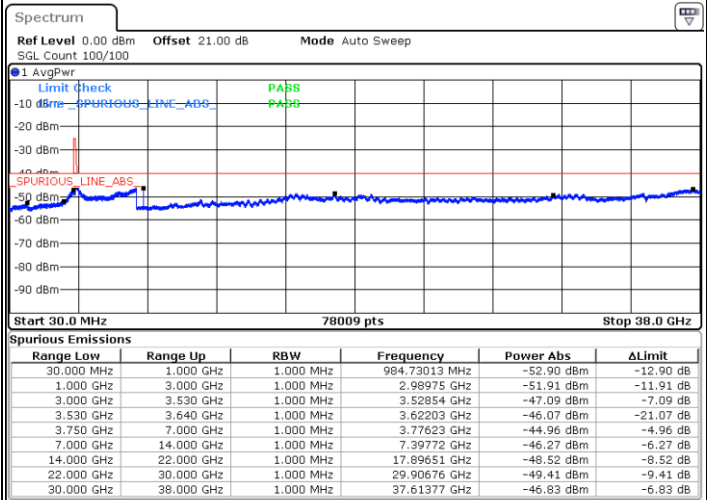
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



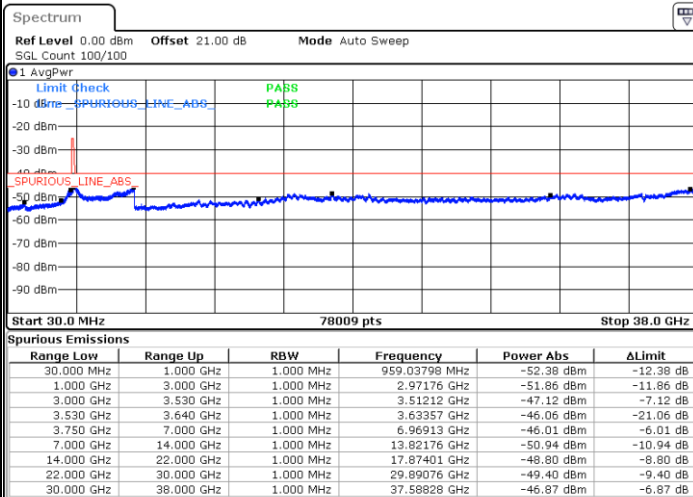
Date: 4 AUG 2020 10:09:12



Date: 4 AUG 2020 10:19:11

Highest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:59:12

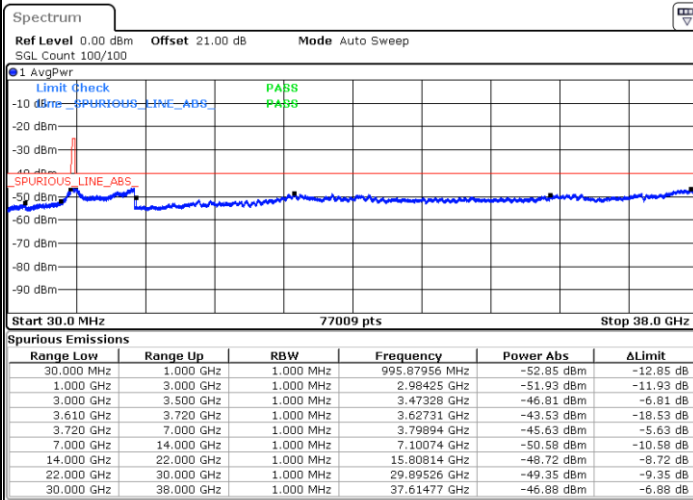


LTE Band 48 / 5MHz

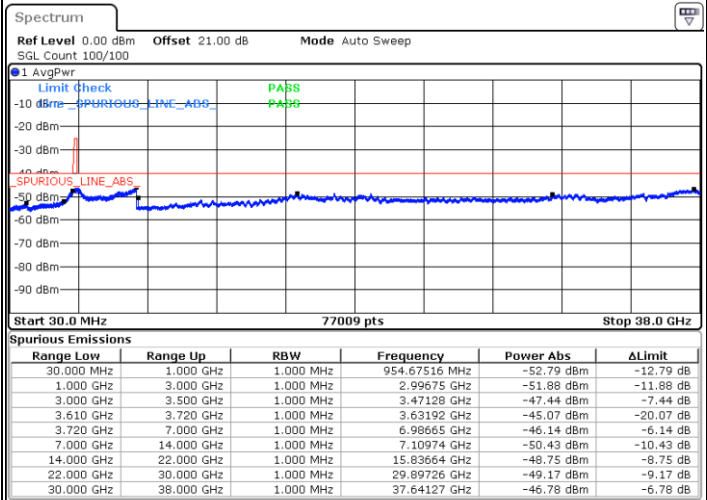
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



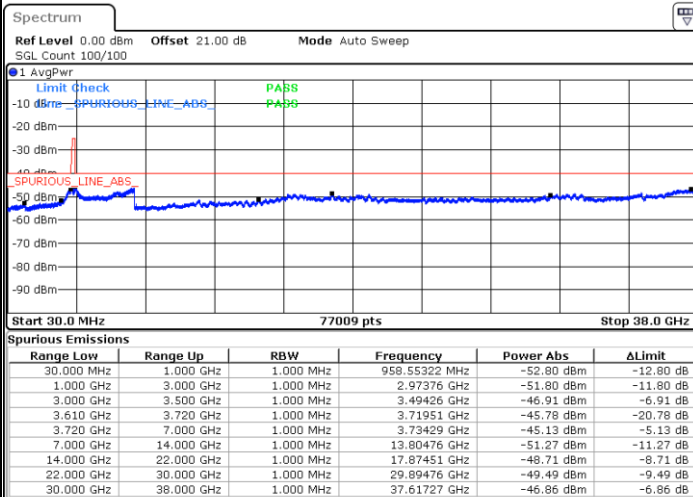
Date: 4 AUG 2020 08:23:45



Date: 4 AUG 2020 08:43:42

Lowest Channel / FullIRB

N/A



Date: 4 AUG 2020 08:33:43

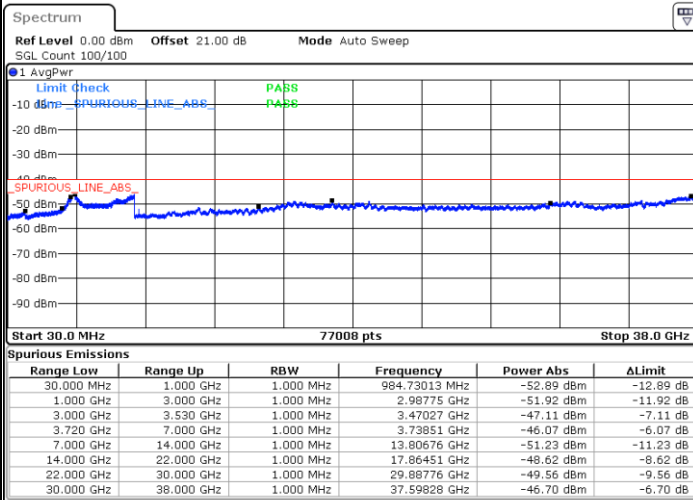


LTE Band 48 / 5MHz

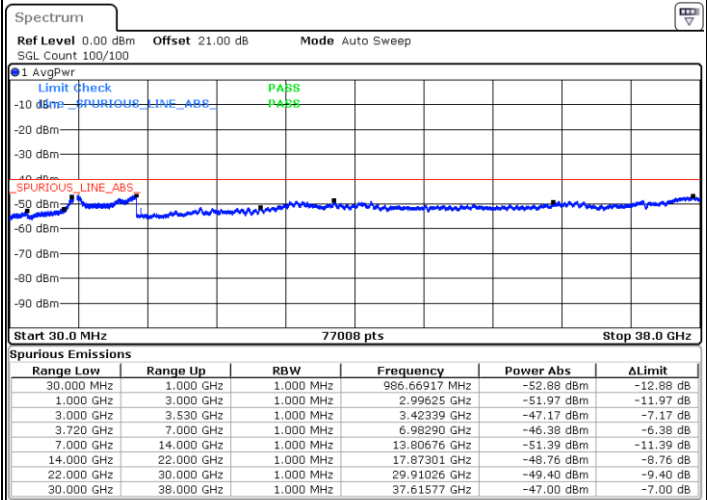
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



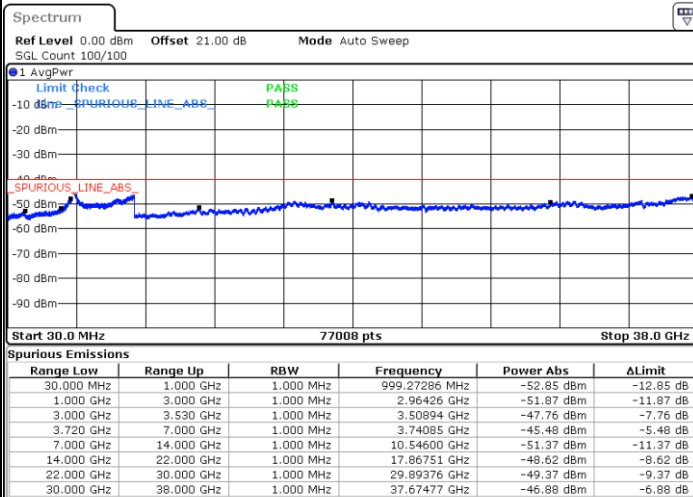
Date: 4 AUG 2020 08:24:51



Date: 4 AUG 2020 08:44:48

Middle Channel / FullIRB

N/A



Date: 4 AUG 2020 08:34:49

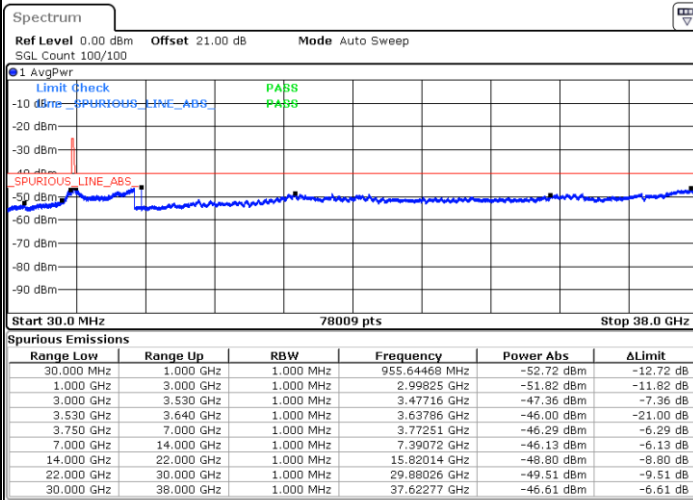


LTE Band 48 / 5MHz

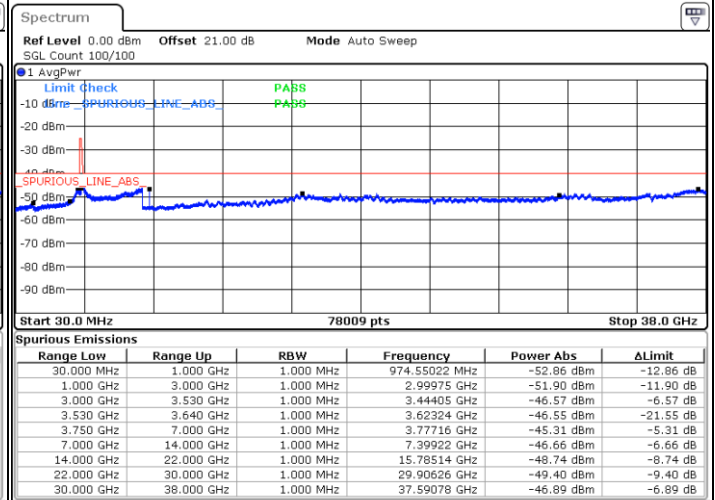
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



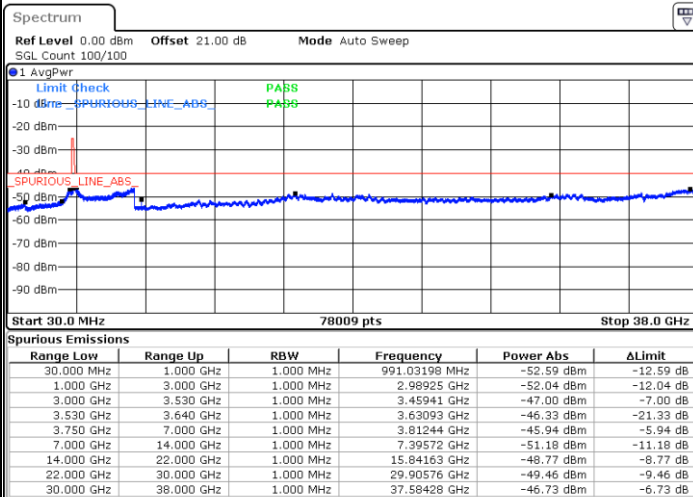
Date: 4 AUG 2020 08:30:23



Date: 4 AUG 2020 08:50:21

Highest Channel / FullIRB

N/A



Date: 4 AUG 2020 08:40:22

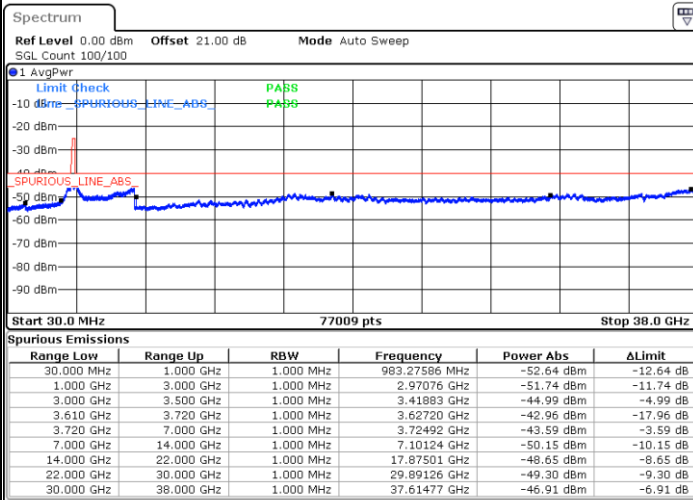


LTE Band 48 / 10MHz

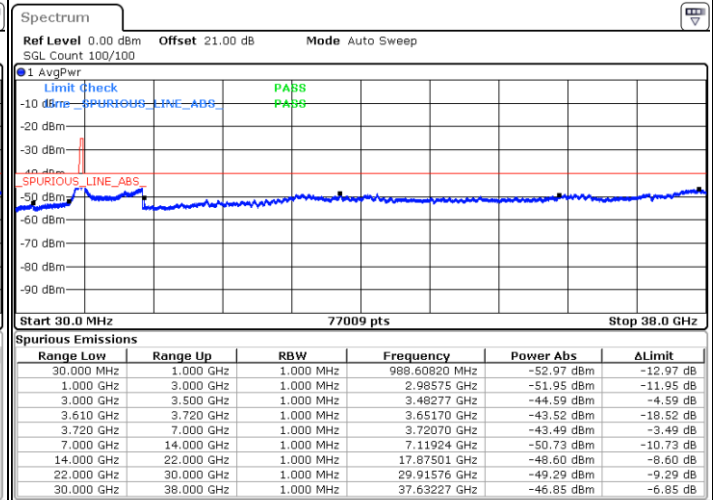
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



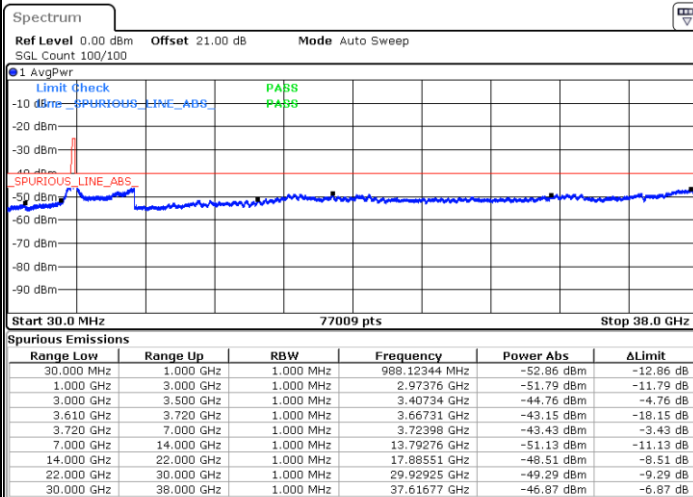
Date: 4 AUG 2020 08:51:29



Date: 4 AUG 2020 09:11:28

Lowest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:01:29

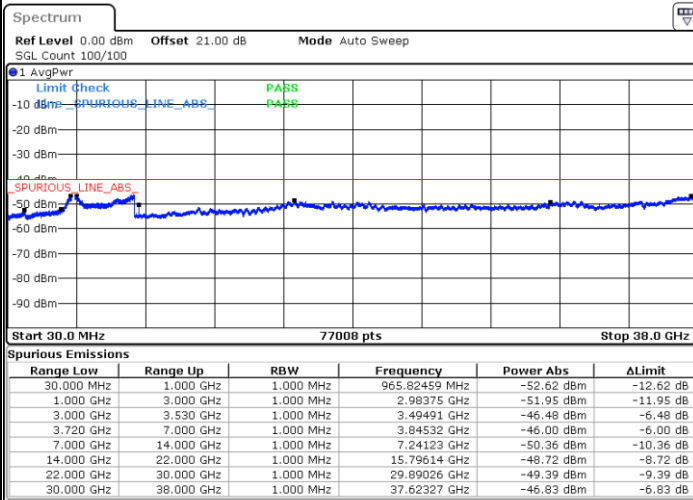


LTE Band 48 / 10MHz

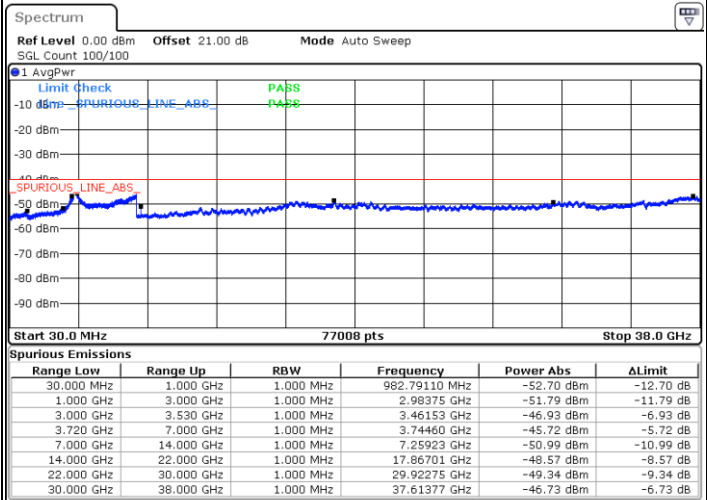
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



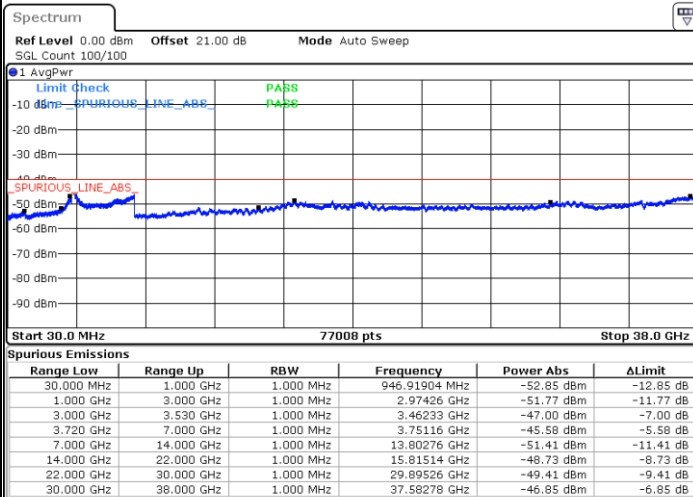
Date: 4 AUG 2020 08:57:01



Date: 4 AUG 2020 09:17:00

Middle Channel / FullIRB

N/A



Date: 4 AUG 2020 09:07:01

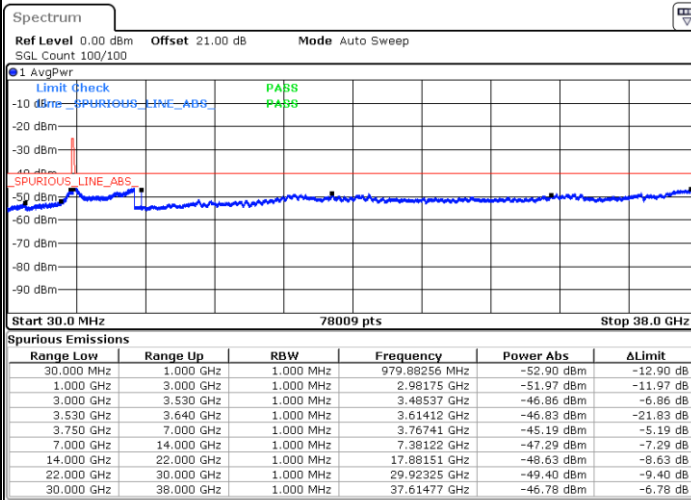


LTE Band 48 / 10MHz

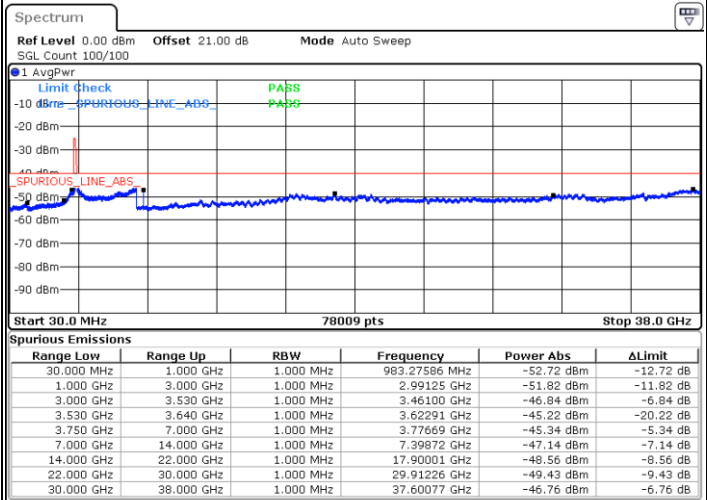
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



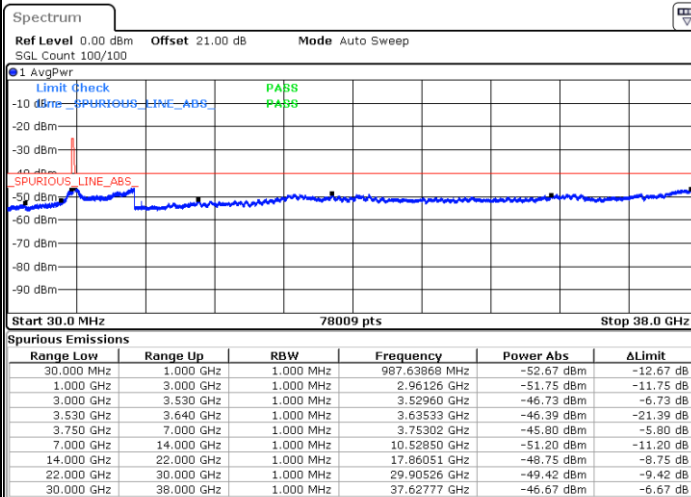
Date: 4 AUG 2020 08:58:08



Date: 4 AUG 2020 09:18:07

Highest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:08:07

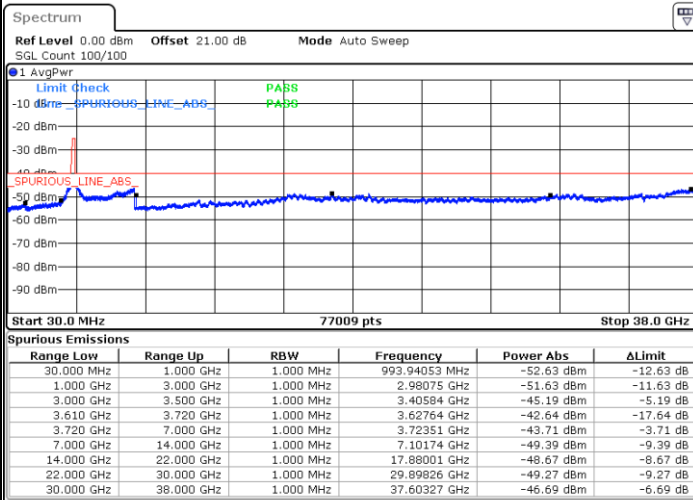


LTE Band 48 / 15MHz

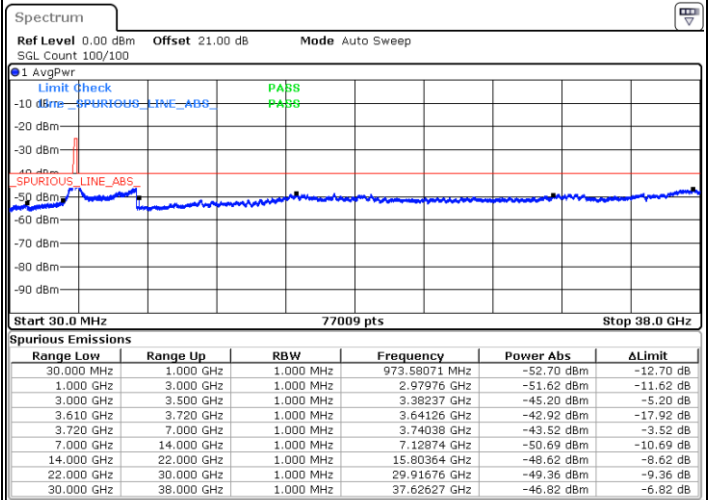
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



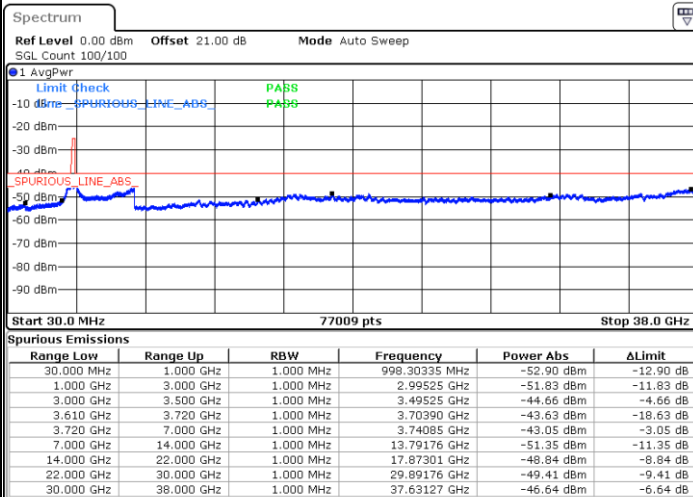
Date: 4 AUG 2020 09:23:42



Date: 4 AUG 2020 09:43:41

Lowest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:33:41

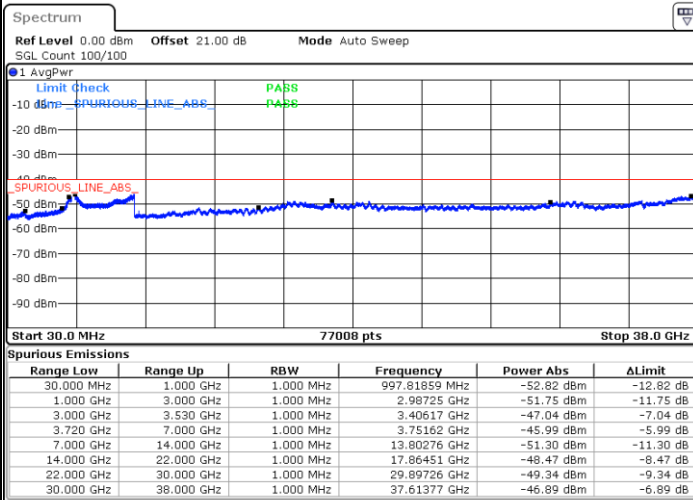


LTE Band 48 / 15MHz

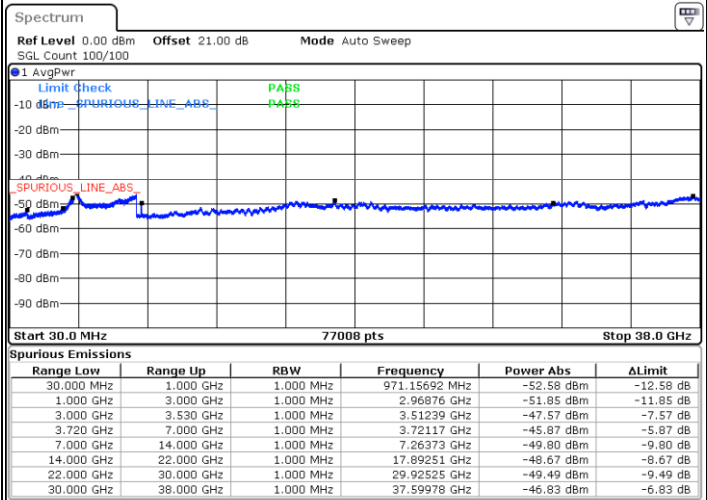
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



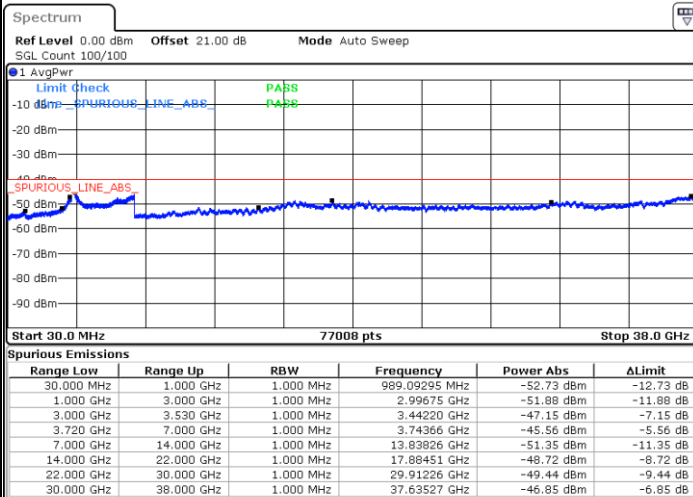
Date: 4 AUG 2020 09:24:49



Date: 4 AUG 2020 09:44:47

Middle Channel / FullIRB

N/A



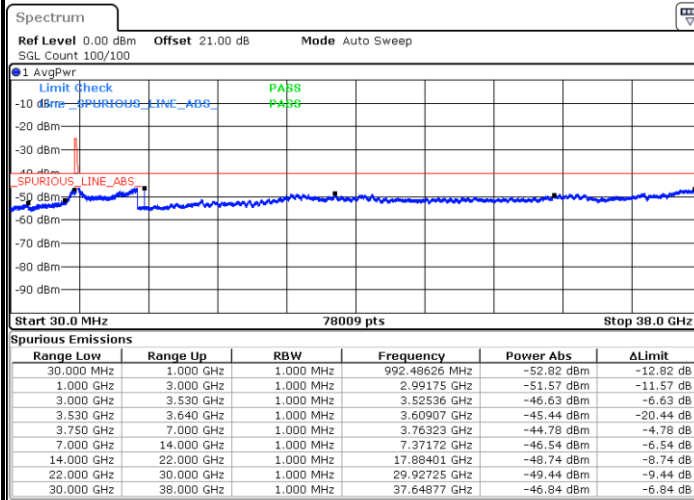
Date: 4 AUG 2020 09:34:47



LTE Band 48 / 15MHz

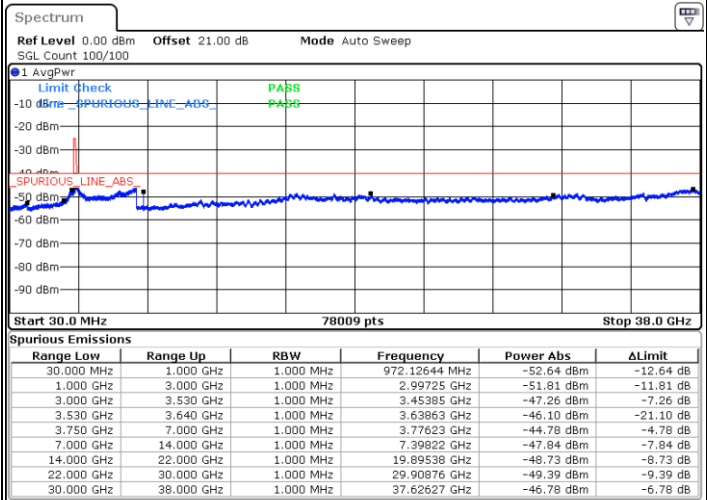
64QAM

Highest Channel / 1RB0



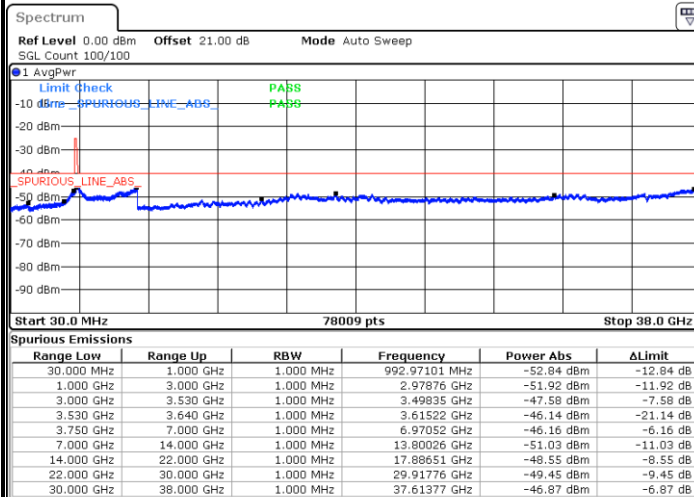
Date: 4 AUG 2020 09:30:21

Highest Channel / 1RBmax



Date: 4 AUG 2020 09:50:19

Highest Channel / FullIRB



Date: 4 AUG 2020 09:40:20

N/A

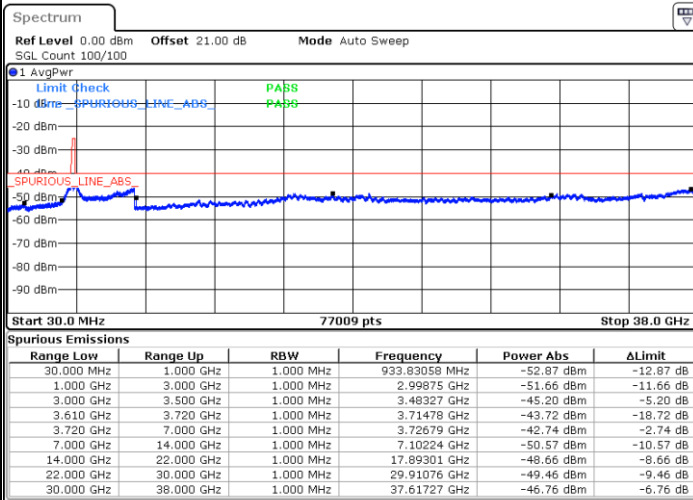


LTE Band 48 / 20MHz

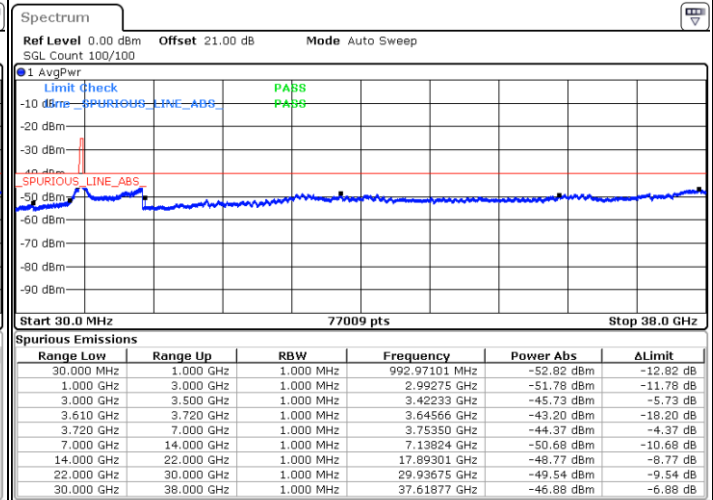
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



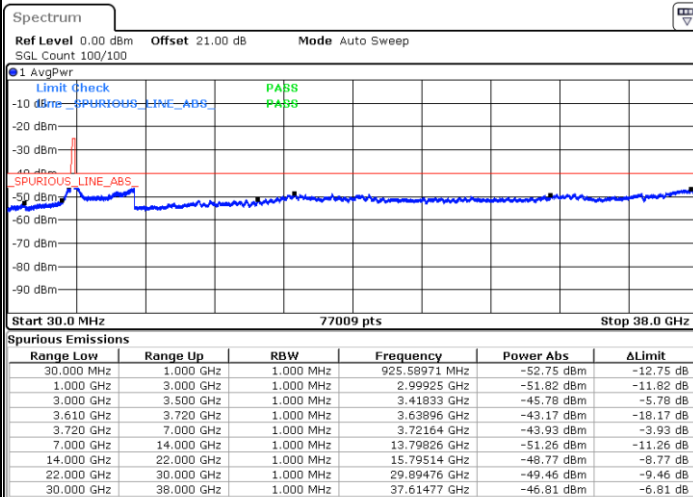
Date: 4 AUG 2020 10:01:26



Date: 4 AUG 2020 10:11:26

Lowest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:51:28

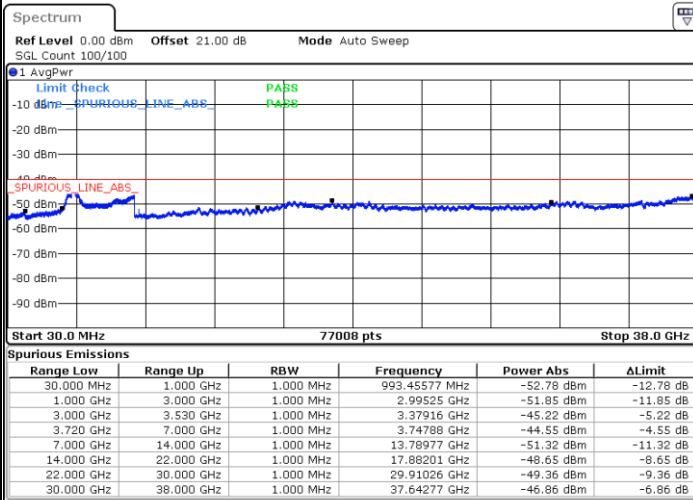


LTE Band 48 / 20MHz

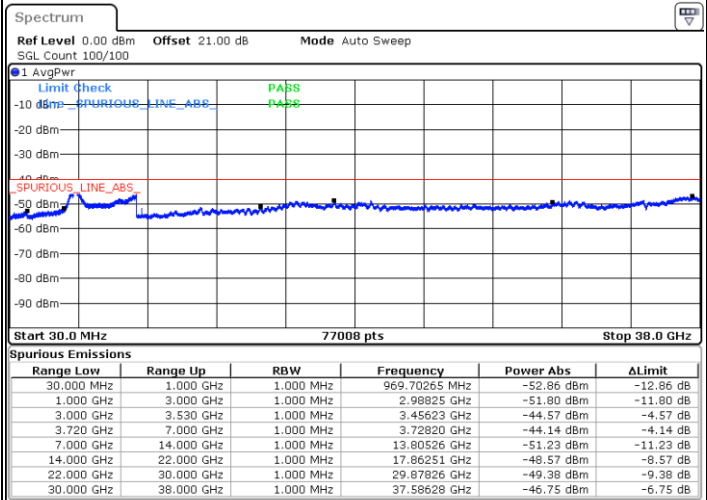
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



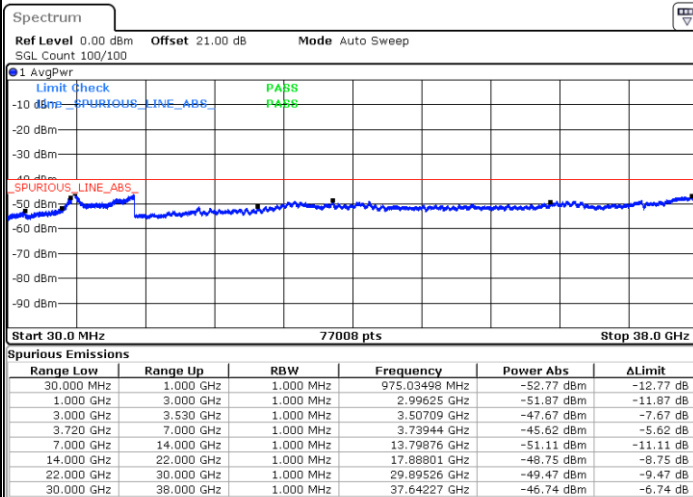
Date: 4 AUG 2020 10:06:58



Date: 4 AUG 2020 10:16:58

Middle Channel / FullIRB

N/A



Date: 4 AUG 2020 09:56:59

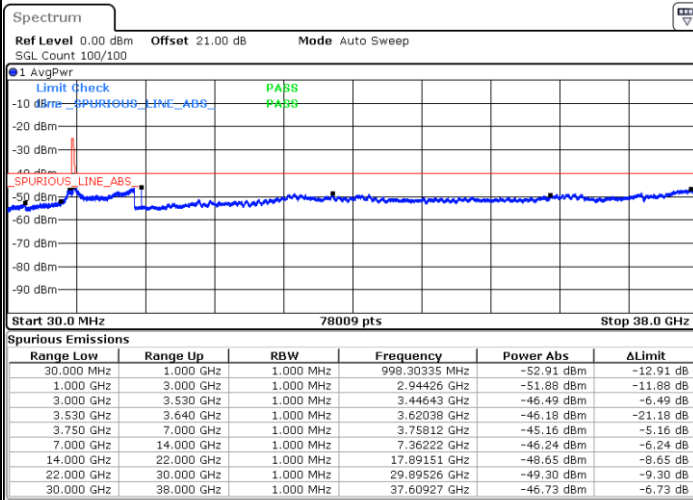


LTE Band 48 / 20MHz

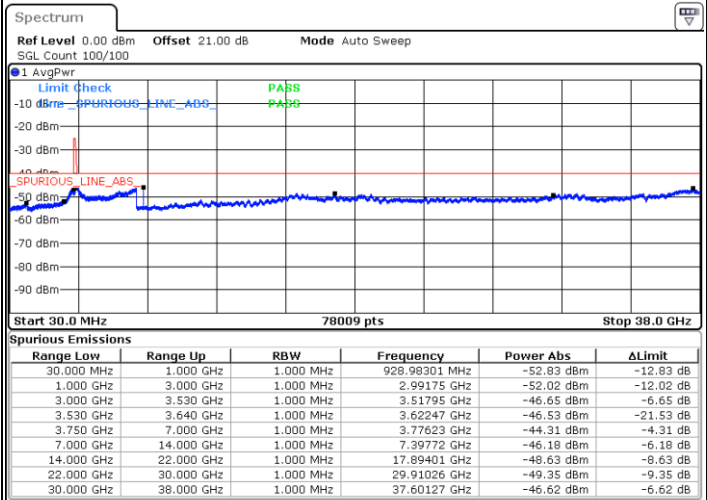
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



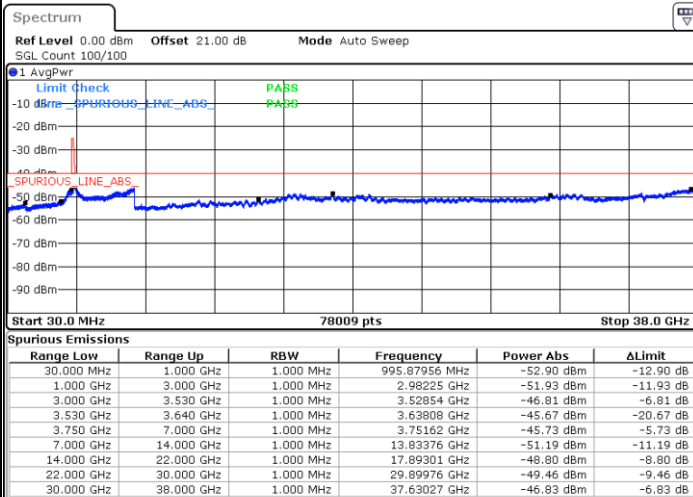
Date: 4 AUG 2020 10:08:05



Date: 4 AUG 2020 10:18:04

Highest Channel / FullIRB

N/A



Date: 4 AUG 2020 09:58:06

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	0.0028	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

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.



<MIMO Mode for Sample 2>

<Ant. 0>

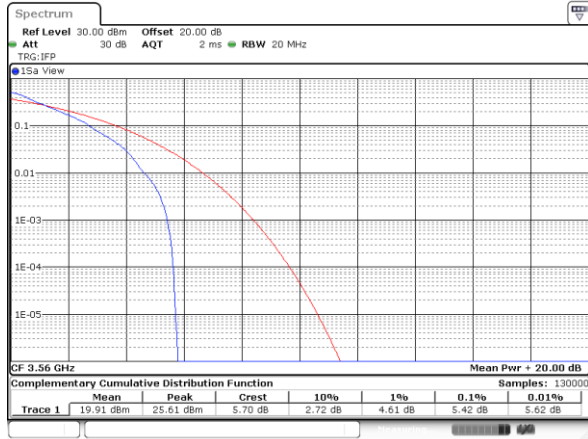
Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.42	5.25	6.12	6.23	PASS
Middle CH	5.39	5.33	6.00	6.17	
Highest CH	5.13	5.51	5.77	6.26	
Mode	LTE Band 48 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.23	6.29	-	-	PASS
Middle CH	6.52	6.35	-	-	
Highest CH	6.43	6.38	-	-	

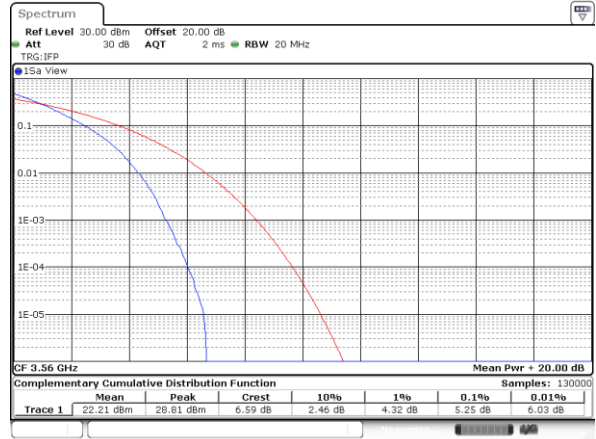


LTE Band 48 / 20MHz / QPSK

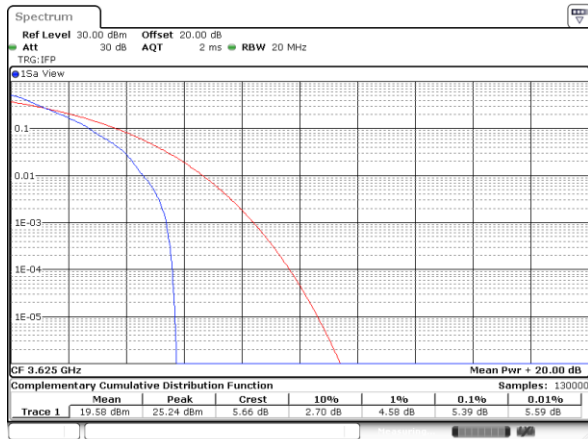
Lowest Channel / 1RB



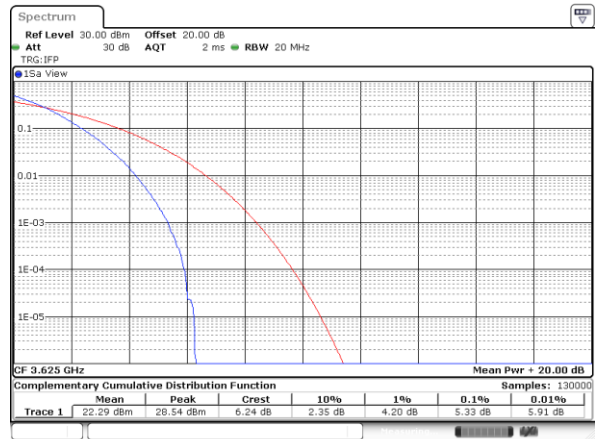
Lowest Channel / Full RB



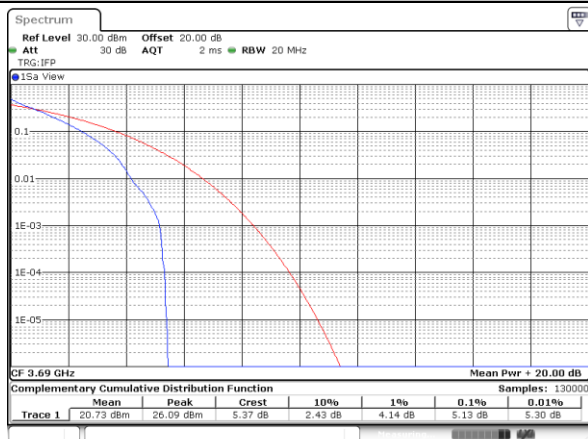
Middle Channel / 1RB



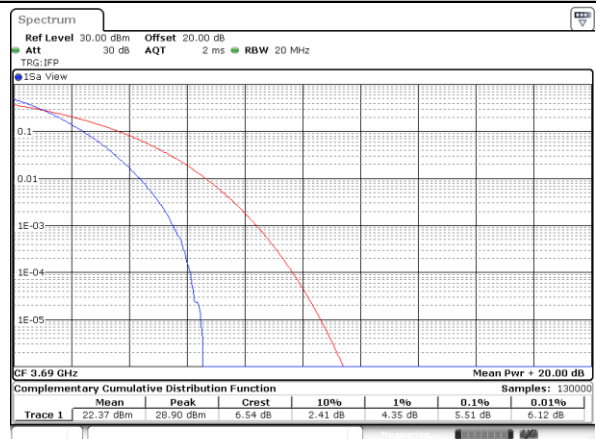
Middle Channel / Full RB



Highest Channel / 1RB



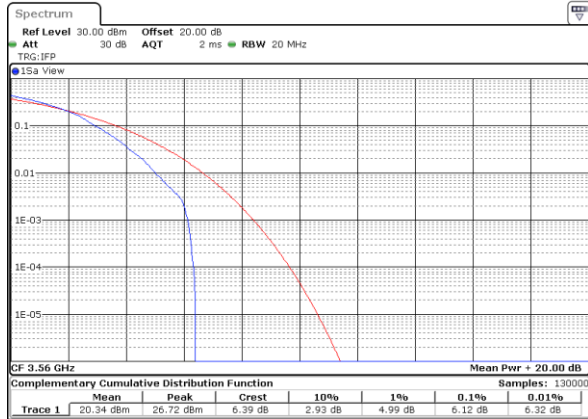
Highest Channel / Full RB



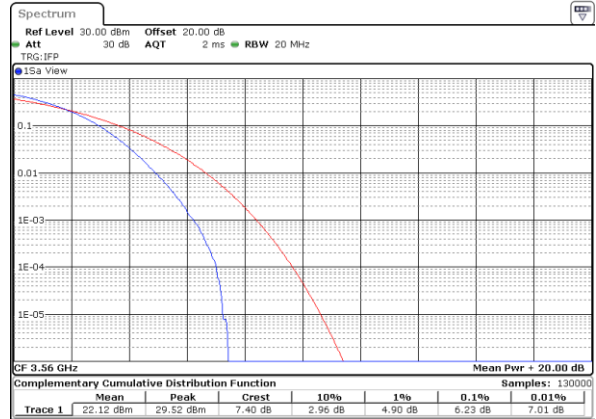


LTE Band 48 / 20MHz / 16QAM

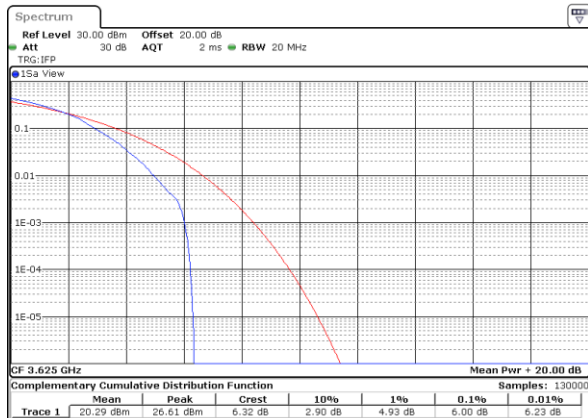
Lowest Channel / 1RB



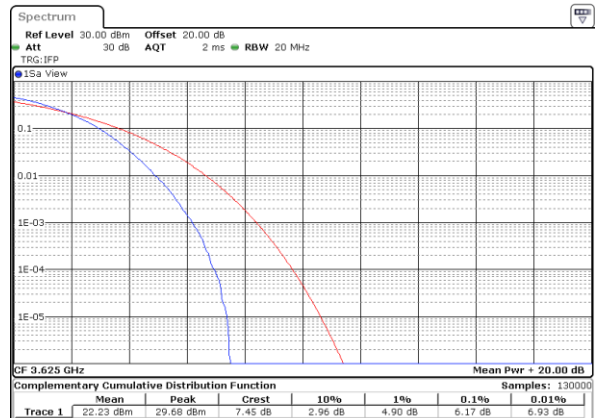
Lowest Channel / Full RB



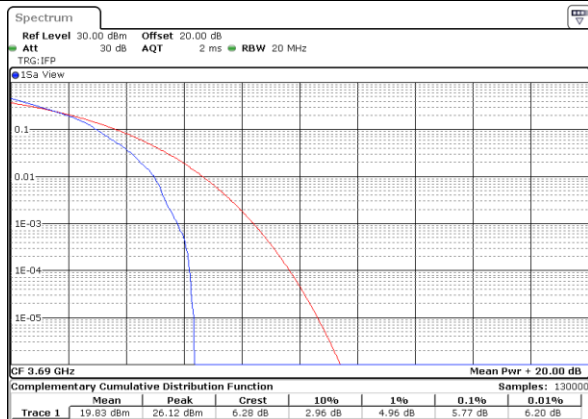
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

