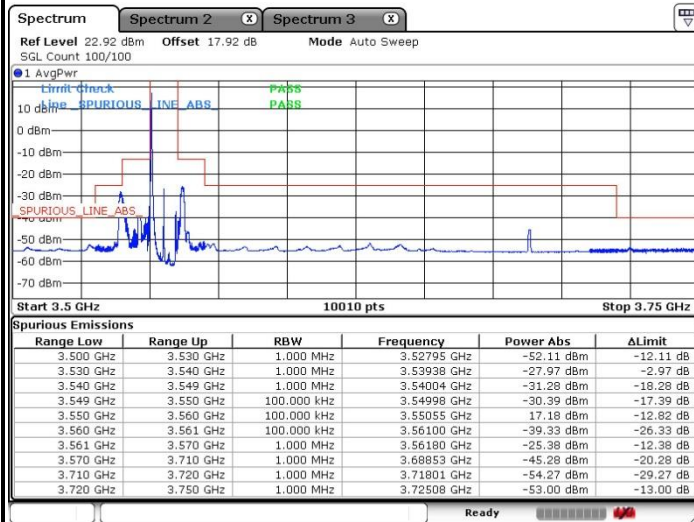




LTE Band 48 / 10MHz

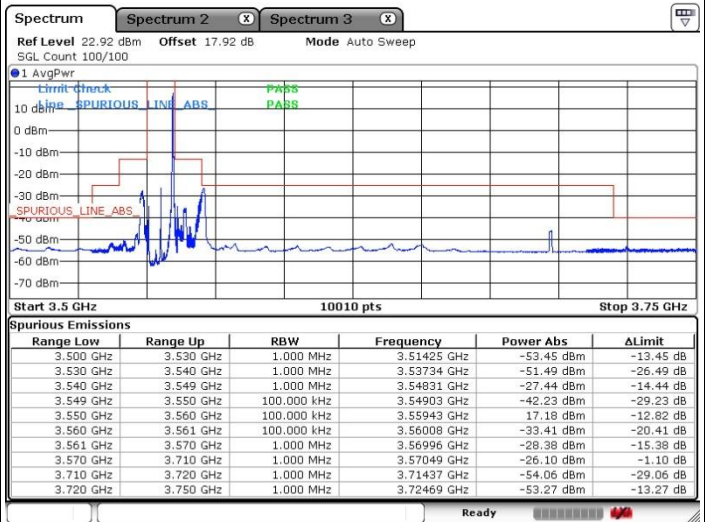
16QAM

Lowest Channel / 1RB0



Date: 17.SEP.2020 20:20:16

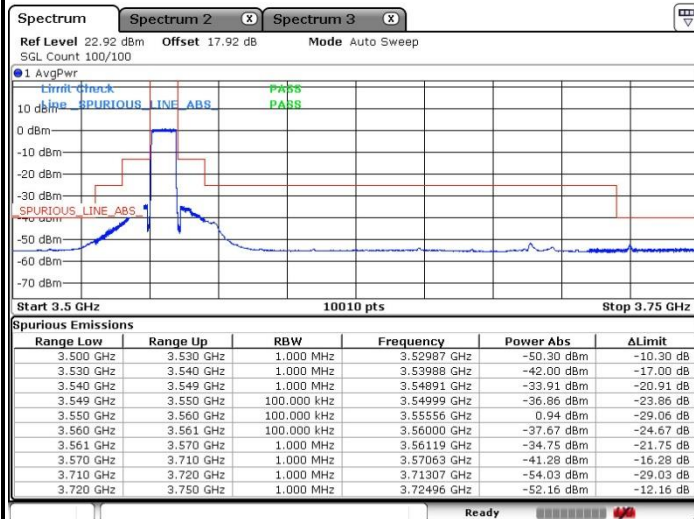
Lowest Channel / 1RBmax



Date: 17.SEP.2020 20:18:22

Lowest Channel / Full RB

N/A



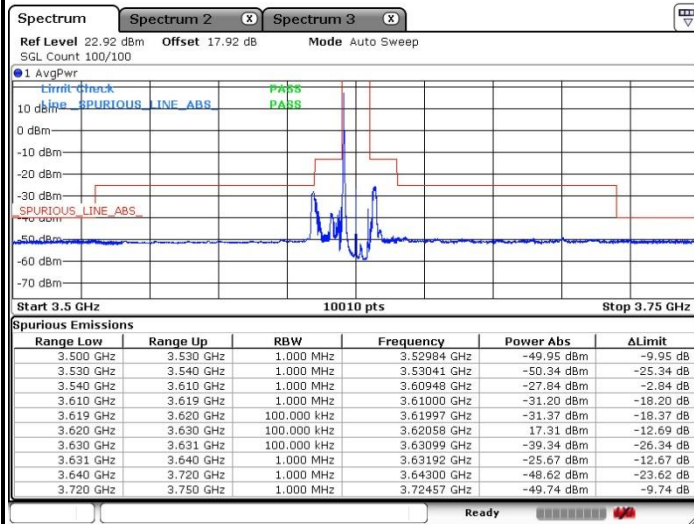
Date: 17.SEP.2020 20:22:39



LTE Band 48 / 10MHz

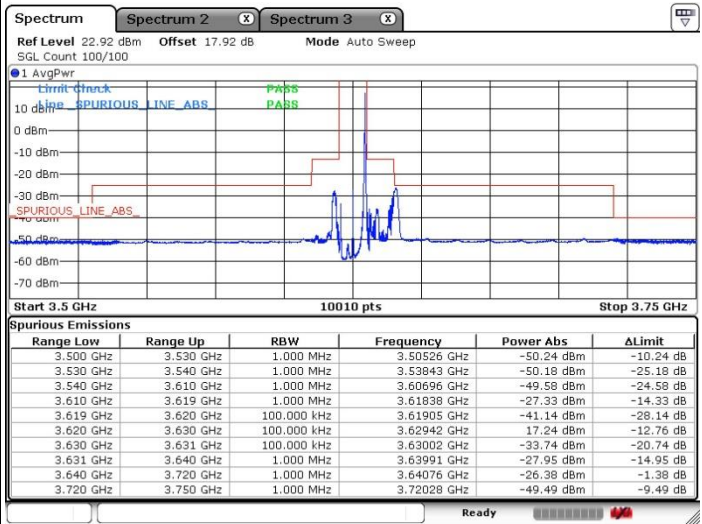
16QAM

Middle Channel / 1RB0



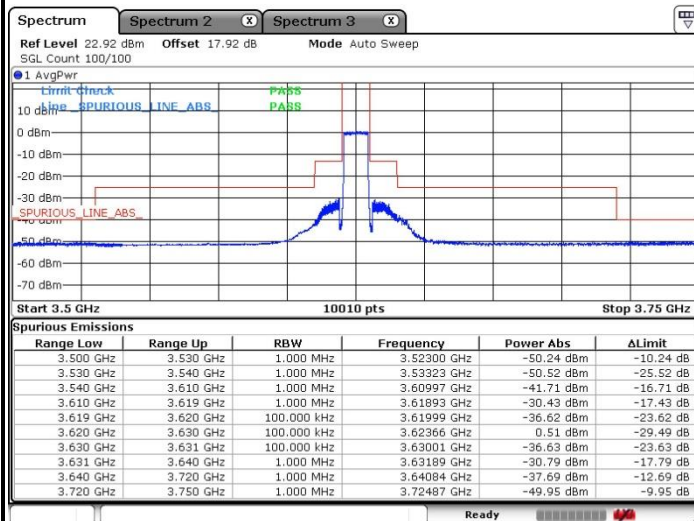
Date: 17.SEP.2020 20:10:22

Middle Channel / 1RBmax



Date: 17.SEP.2020 20:15:07

Middle Channel / Full RB



Date: 17.SEP.2020 20:08:50

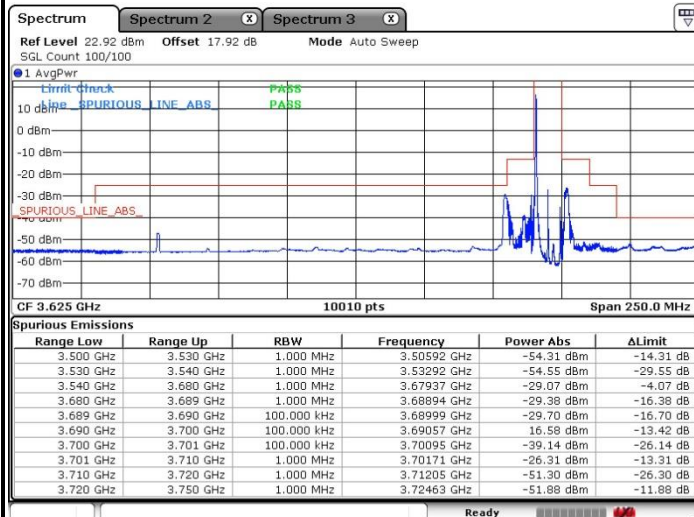
N/A



LTE Band 48 / 10MHz

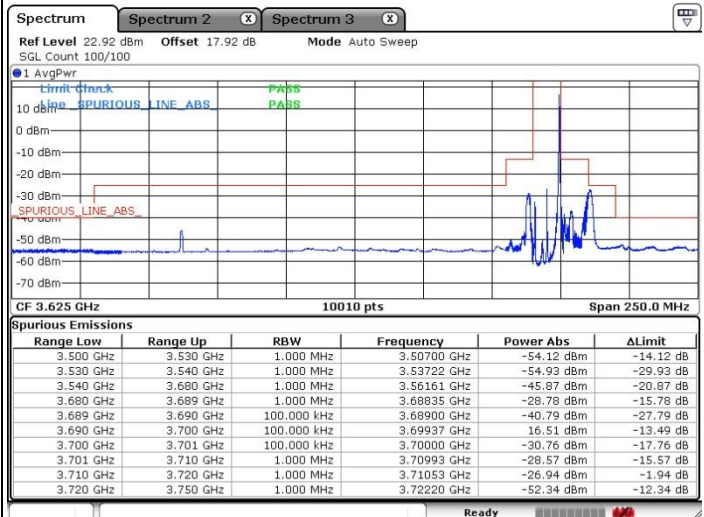
16QAM

Highest Channel / 1RB0



Date: 17.SEP.2020 20:31:33

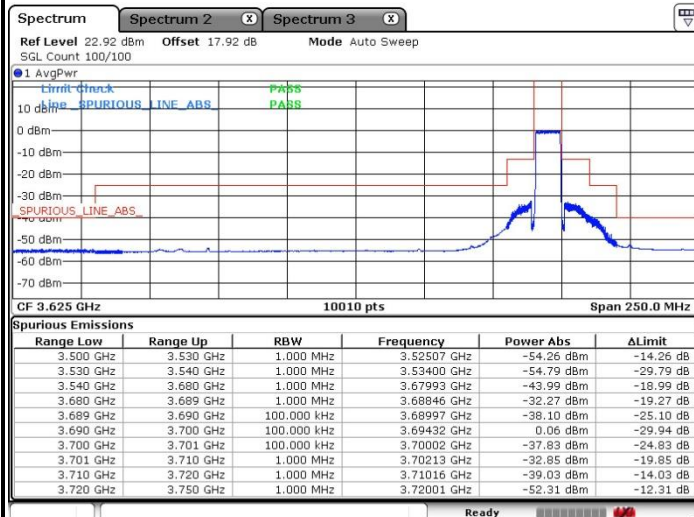
Highest Channel / 1RBmax



Date: 17.SEP.2020 20:34:18

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 20:25:26

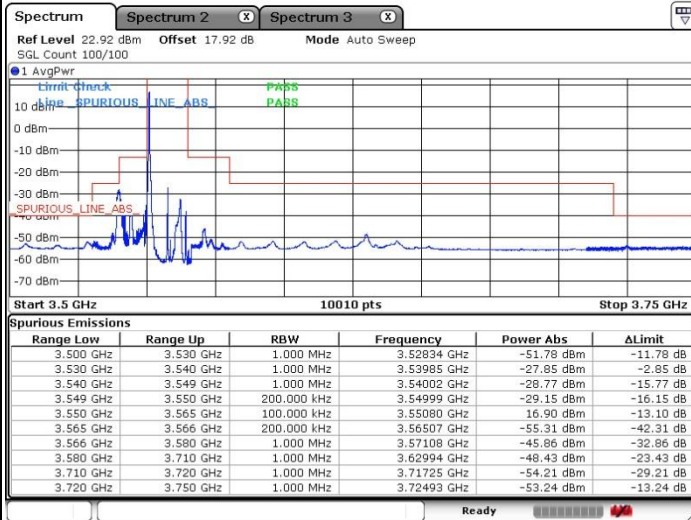


LTE Band 48 / 15MHz

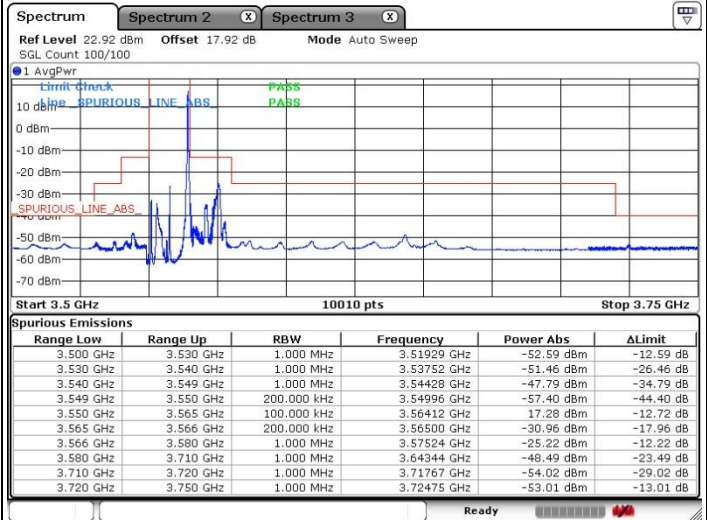
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



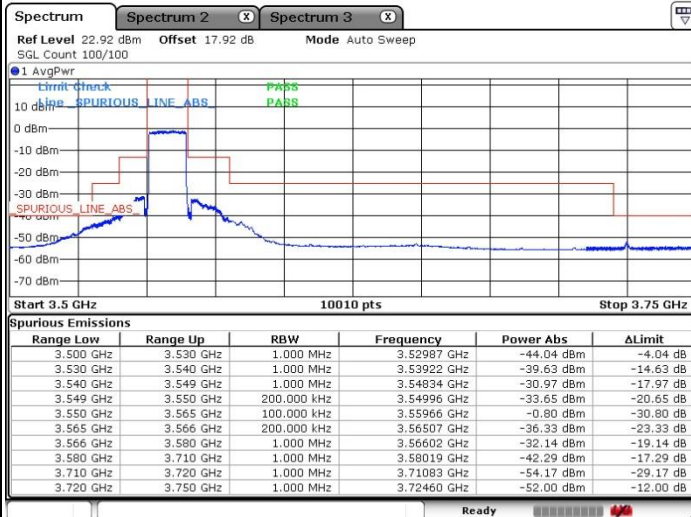
Date: 17.SEP.2020 20:51:45



Date: 17.SEP.2020 20:46:03

Lowest Channel / Full RB

N/A



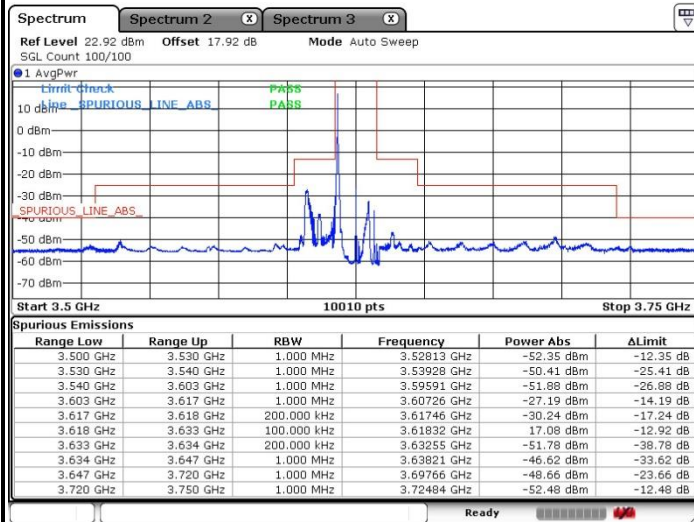
Date: 17.SEP.2020 20:56:17



LTE Band 48 / 15MHz

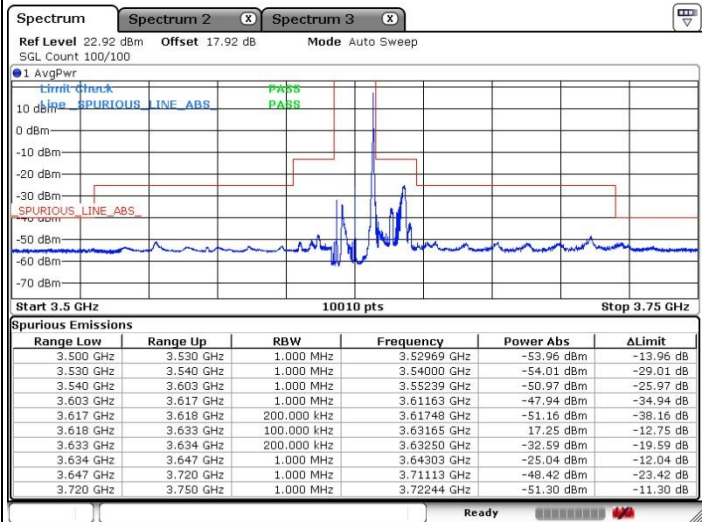
16QAM

Middle Channel / 1RB0



Date: 17.SEP.2020 20:42:49

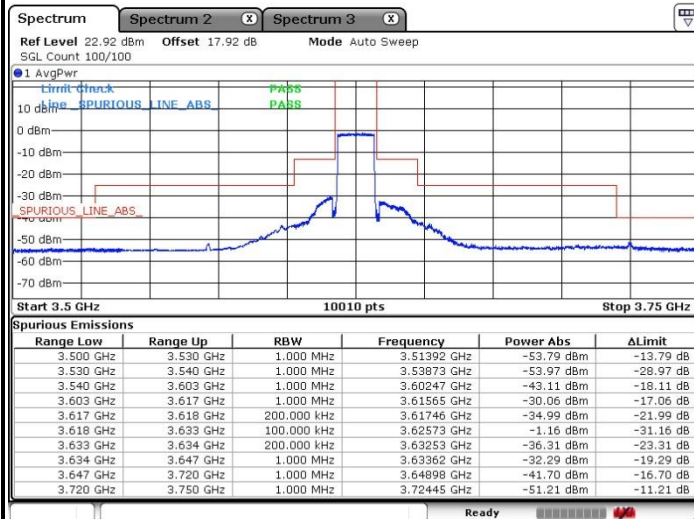
Middle Channel / 1RBmax



Date: 17.SEP.2020 20:44:44

Middle Channel / Full RB

N/A



Date: 17.SEP.2020 20:38:26

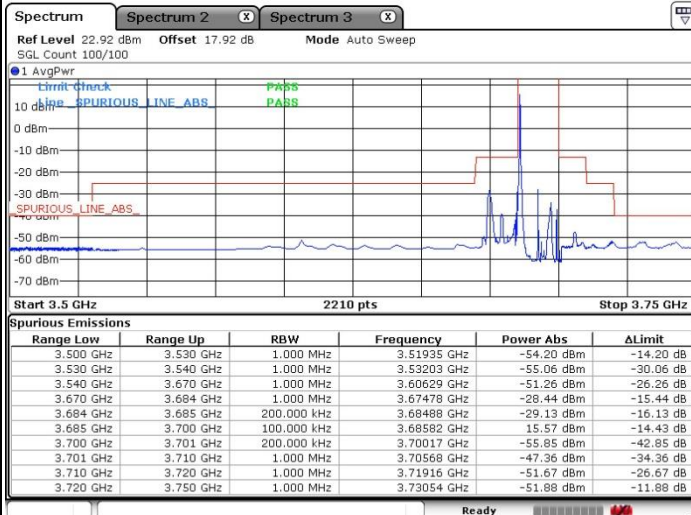


LTE Band 48 / 15MHz

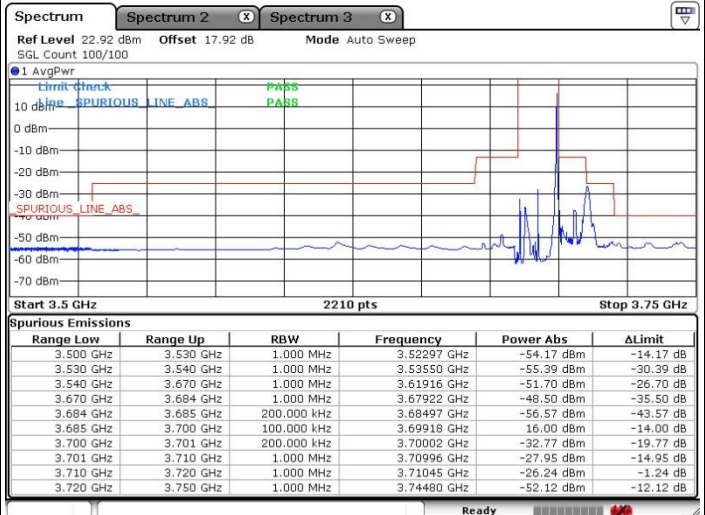
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



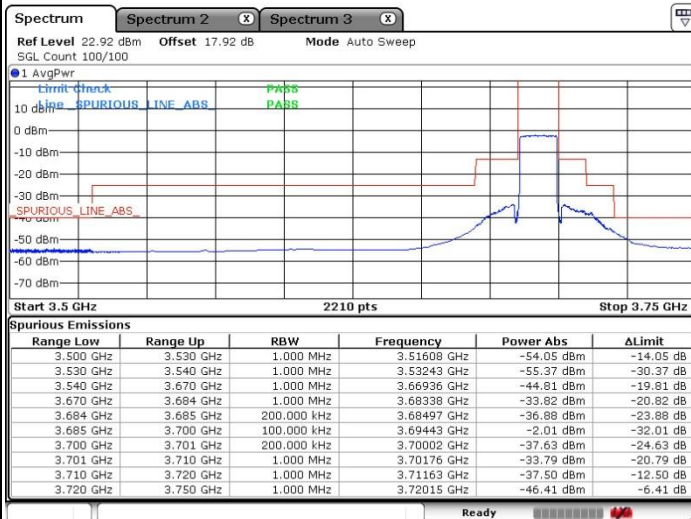
Date: 17.SEP.2020 21:07:30



Date: 17.SEP.2020 21:10:39

Highest Channel / Full RB

N/A



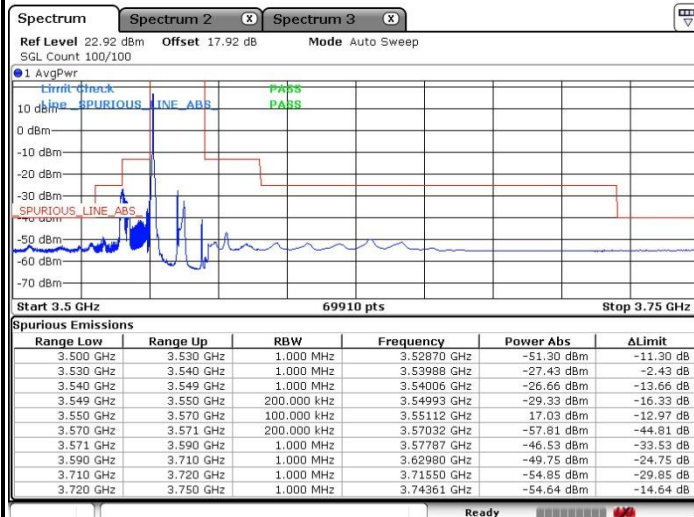
Date: 17.SEP.2020 20:59:24



LTE Band 48 / 20MHz

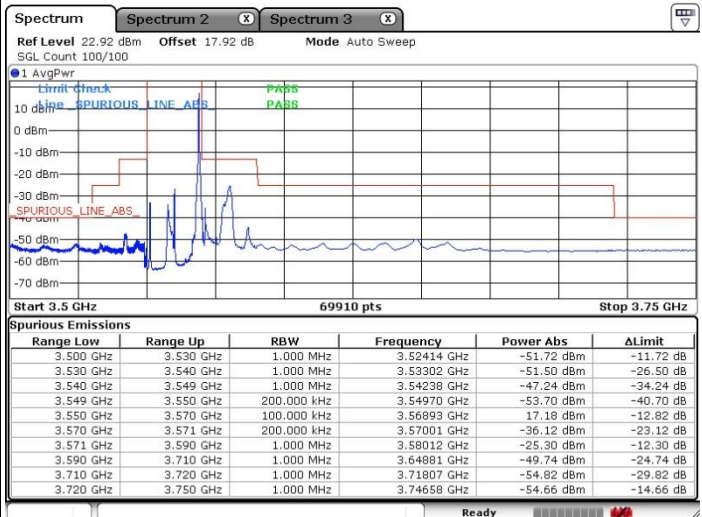
16QAM

Lowest Channel / 1RB0



Date: 17.SEP.2020 21:30:07

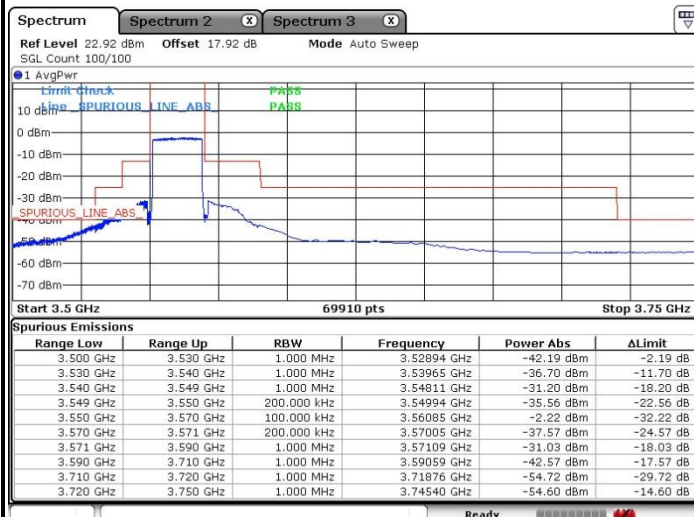
Lowest Channel / 1RBmax



Date: 17.SEP.2020 21:25:02

Lowest Channel / Full RB

N/A



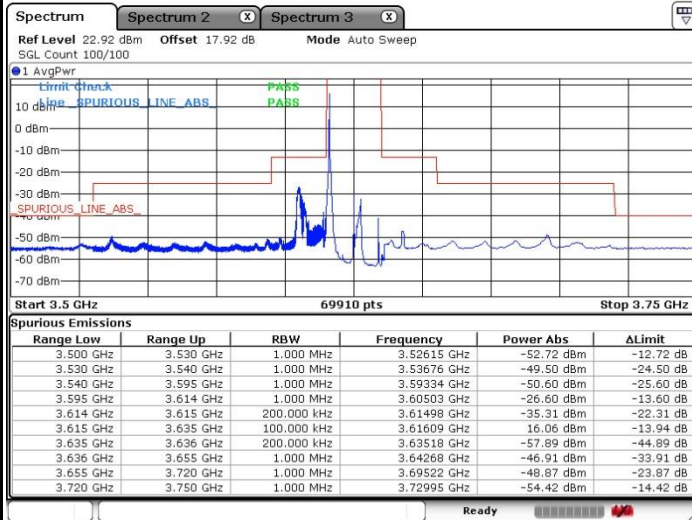
Date: 17.SEP.2020 21:36:24



LTE Band 48 / 20MHz

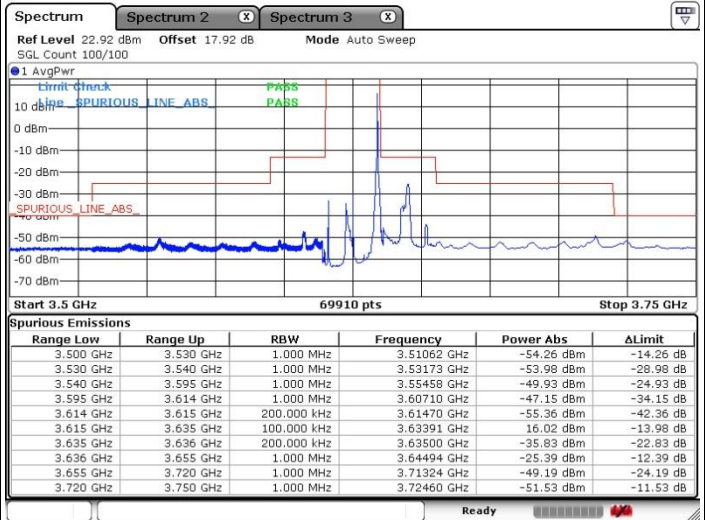
16QAM

Middle Channel / 1RB0



Date: 17.SEP.2020 21:19:57

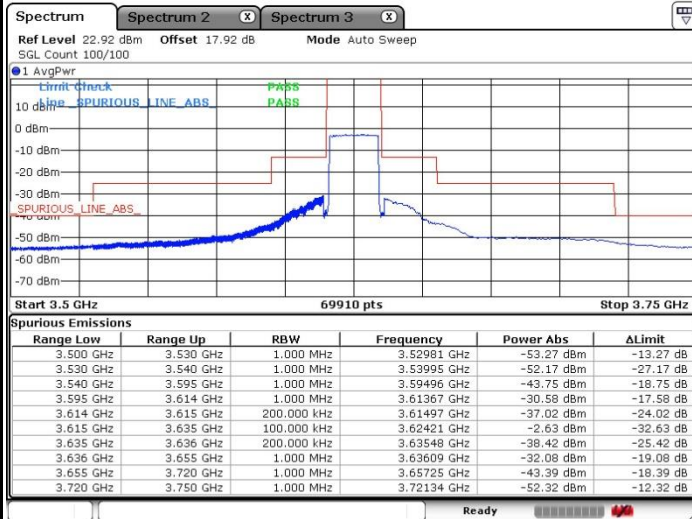
Middle Channel / 1RBmax



Date: 17.SEP.2020 21:22:50

Middle Channel / Full RB

N/A



Date: 17.SEP.2020 21:16:08

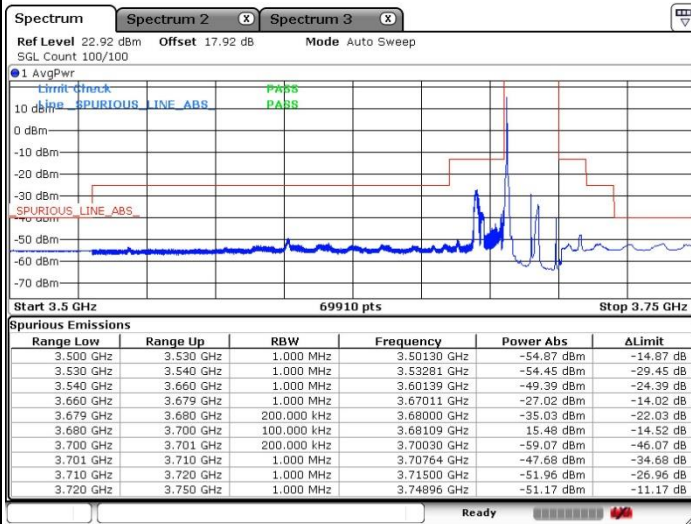


LTE Band 48 / 20MHz

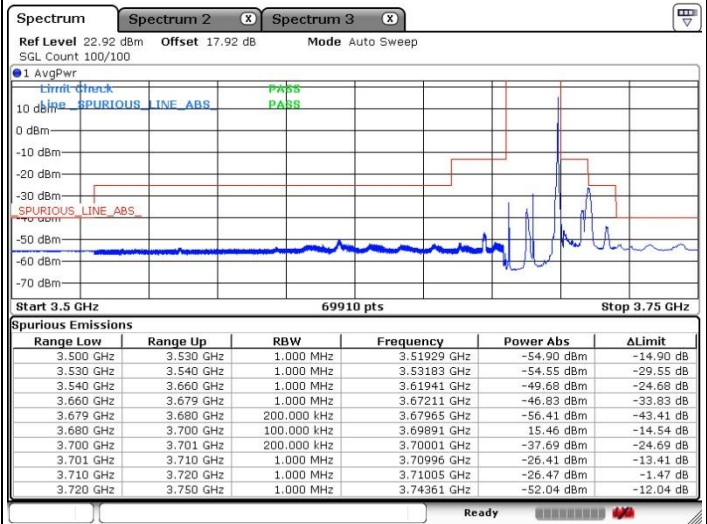
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



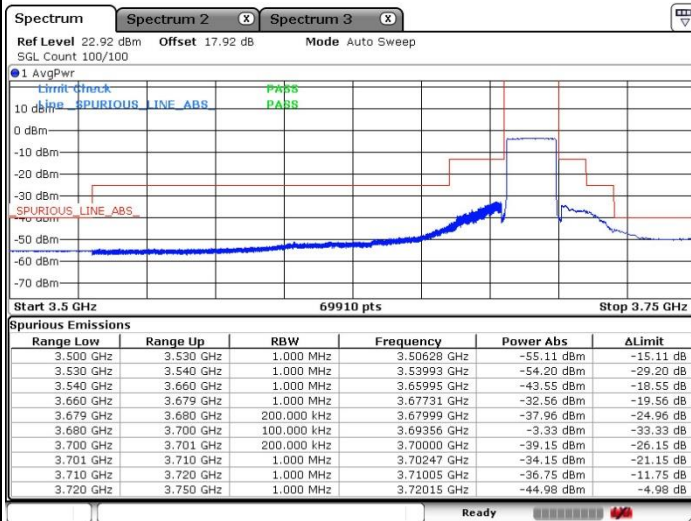
Date: 17.SEP.2020 21:43:31



Date: 17.SEP.2020 21:47:26

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 21:38:07



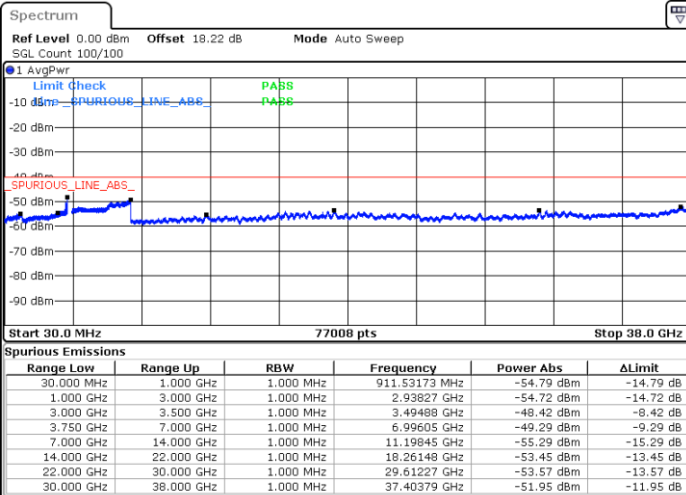
Conducted Spurious Emission

LTE Band 48 / 5MHz

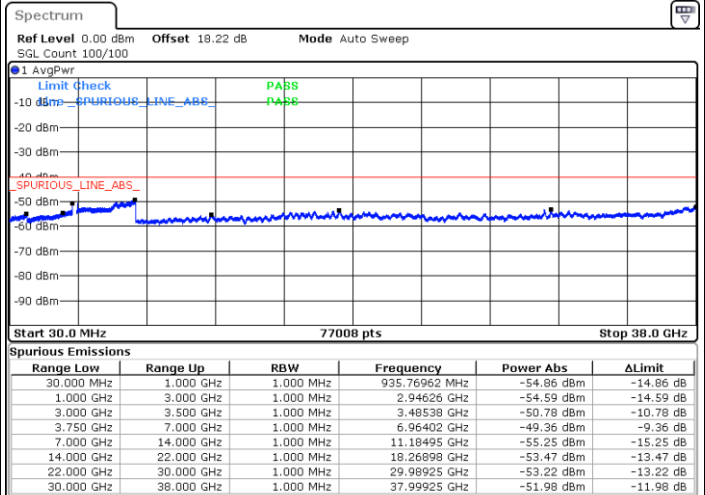
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

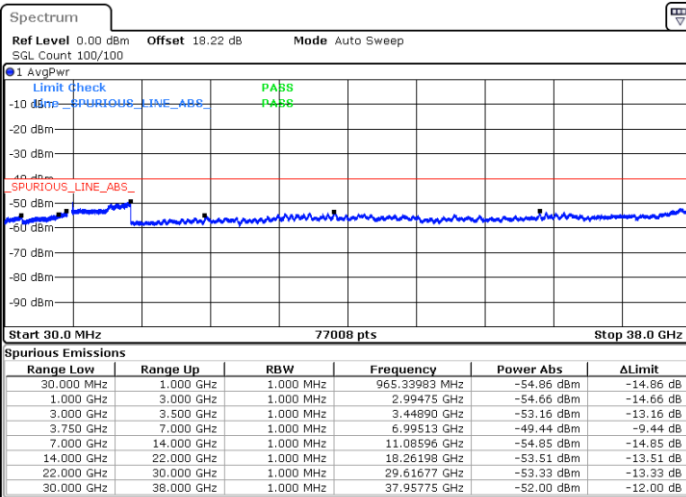


Date: 23 SEP. 2020 16:51:02



Date: 23 SEP. 2020 16:55:14

Highest Channel / 1RB0



Date: 23 SEP. 2020 16:57:16

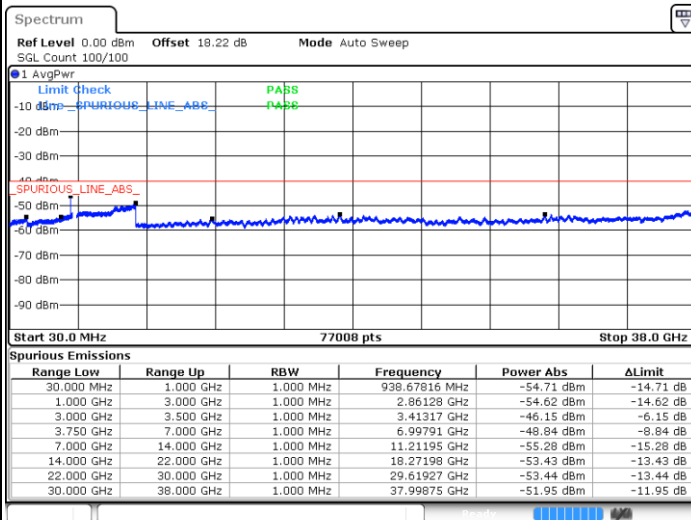


LTE Band 48 / 10MHz

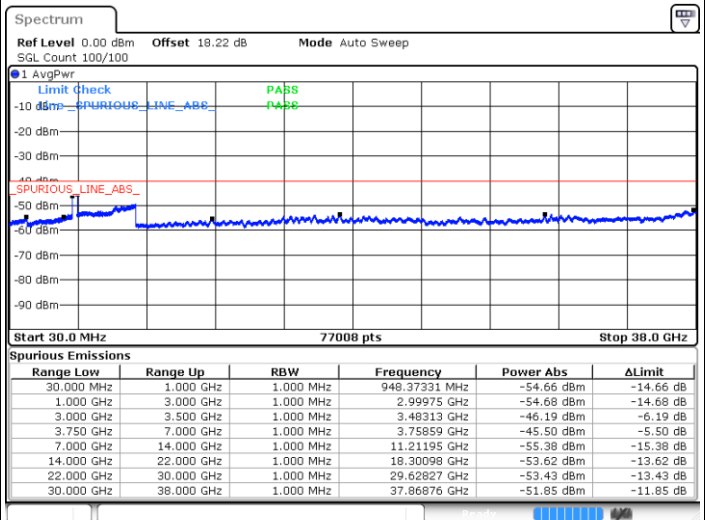
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

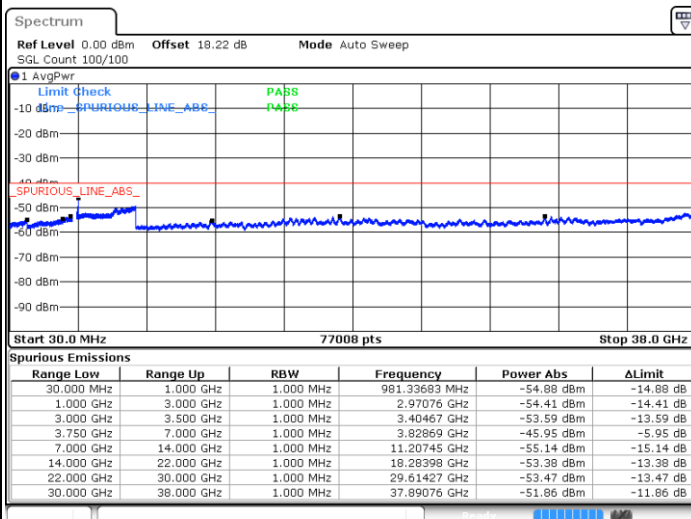


Date: 23 SEP.2020 17:04:50



Date: 23 SEP.2020 17:00:58

Highest Channel / 1RB0



Date: 23 SEP.2020 17:06:18

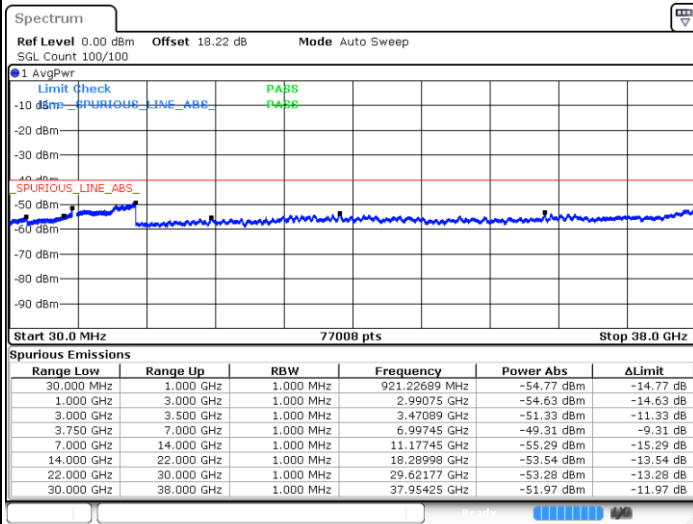


LTE Band 48 / 15MHz

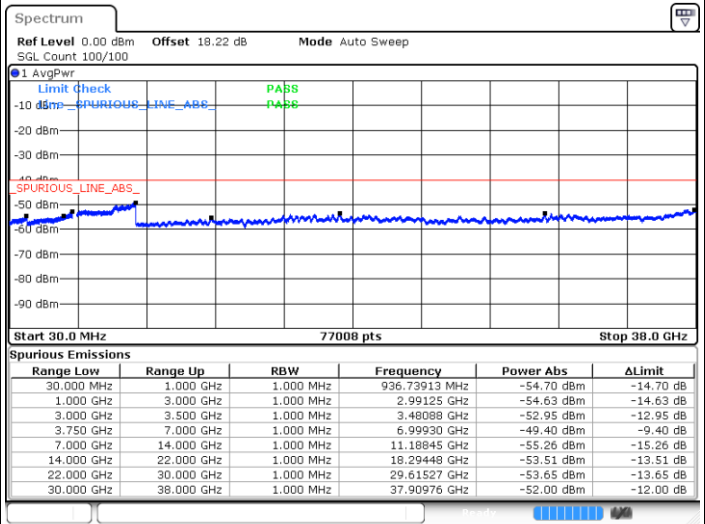
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

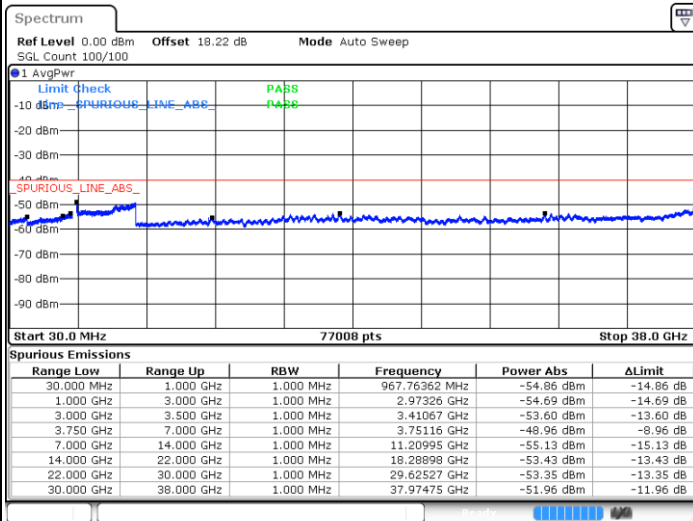


Date: 23 SEP. 2020 17:13:16



Date: 23 SEP. 2020 17:09:31

Highest Channel / 1RB0



Date: 23 SEP. 2020 17:17:18

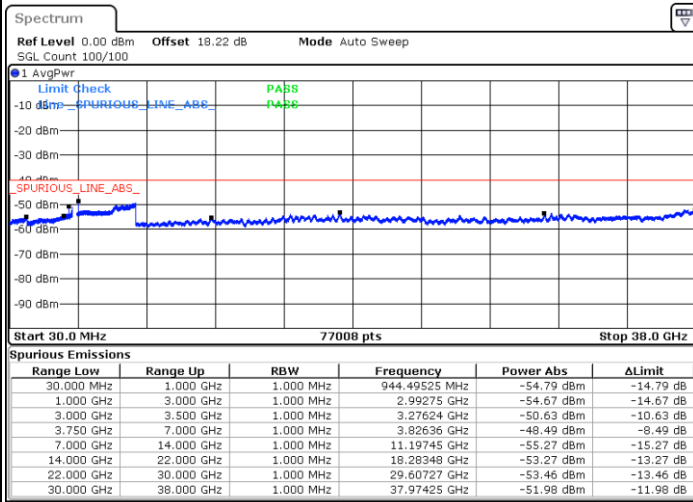


LTE Band 48 / 20MHz

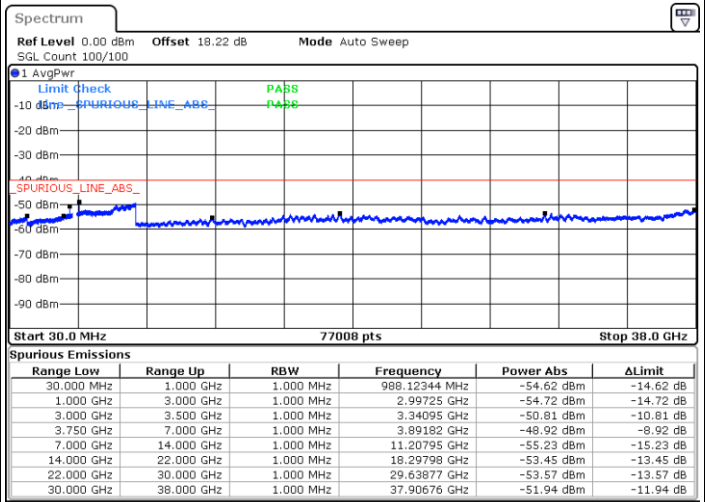
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

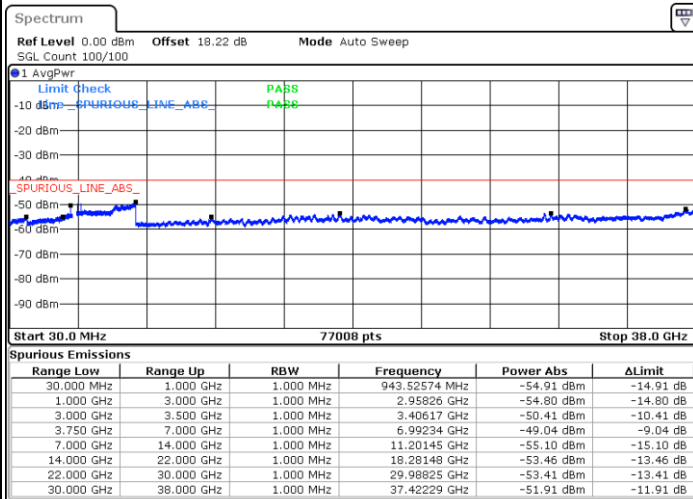


Date: 23 SEP.2020 17:22:47



Date: 23 SEP.2020 17:19:02

Highest Channel / 1RB0



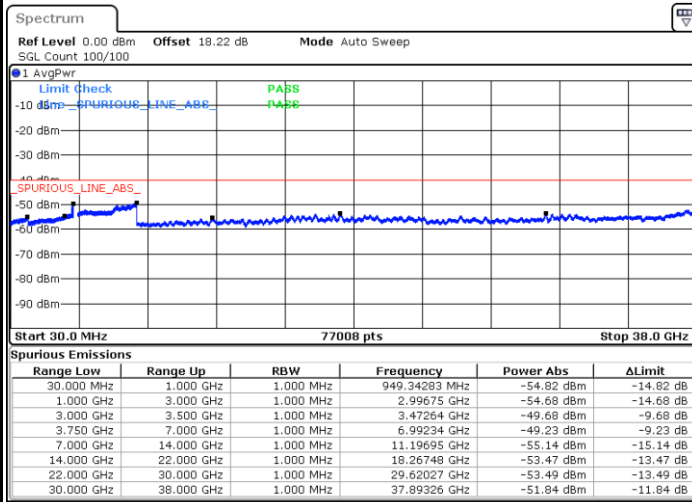
Date: 23 SEP.2020 17:24:12



LTE Band 48 / 5MHz

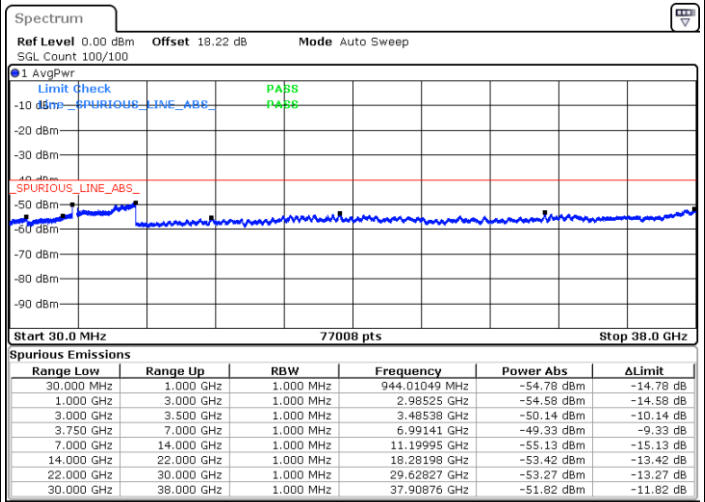
16QAM

Lowest Channel / 1RB0



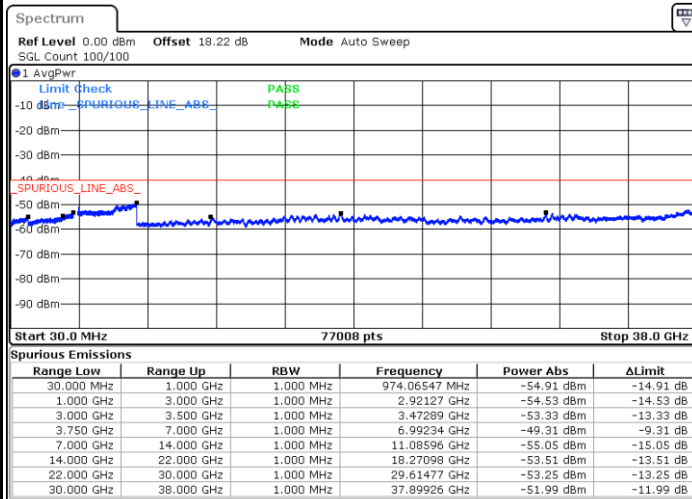
Date: 23 SEP. 2020 16:52:36

Middle Channel / 1RB0



Date: 23 SEP. 2020 16:54:02

Highest Channel / 1RB0



Date: 23 SEP. 2020 16:58:51

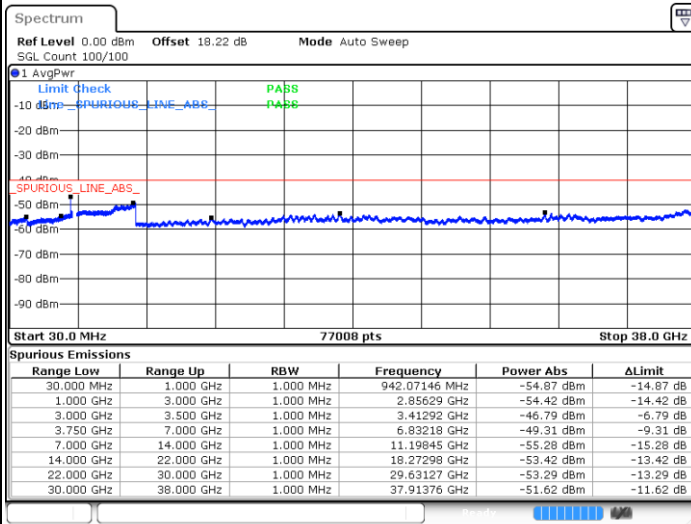


LTE Band 48 / 10MHz

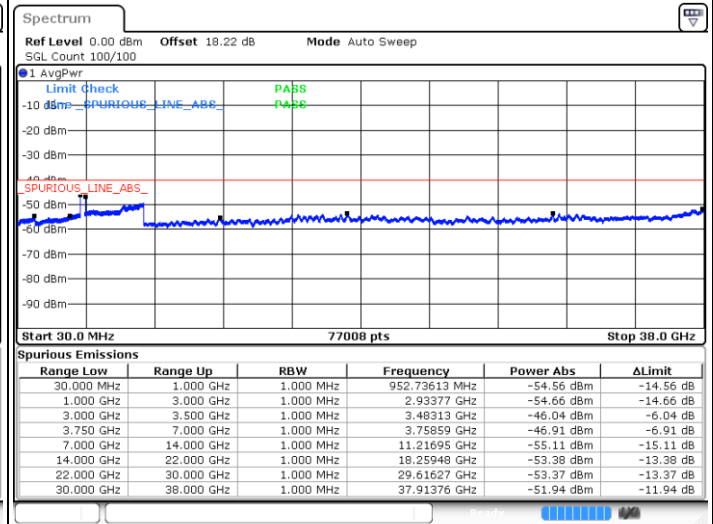
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

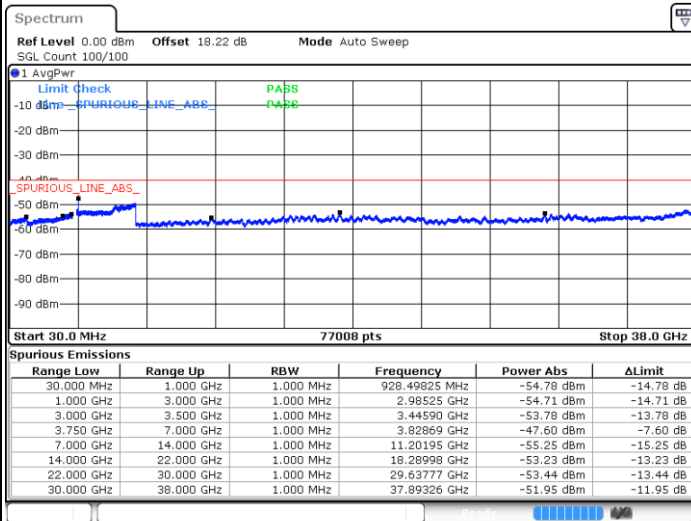


Date: 23 SEP. 2020 17:03:31



Date: 23 SEP. 2020 17:02:11

Highest Channel / 1RB0



Date: 23 SEP. 2020 17:07:34

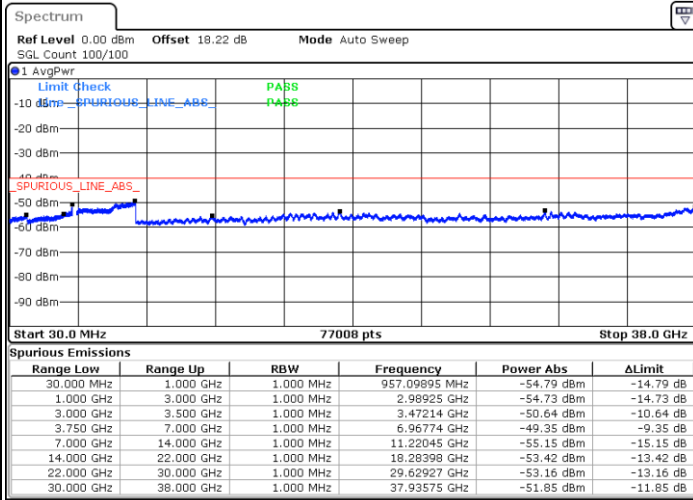


LTE Band 48 / 15MHz

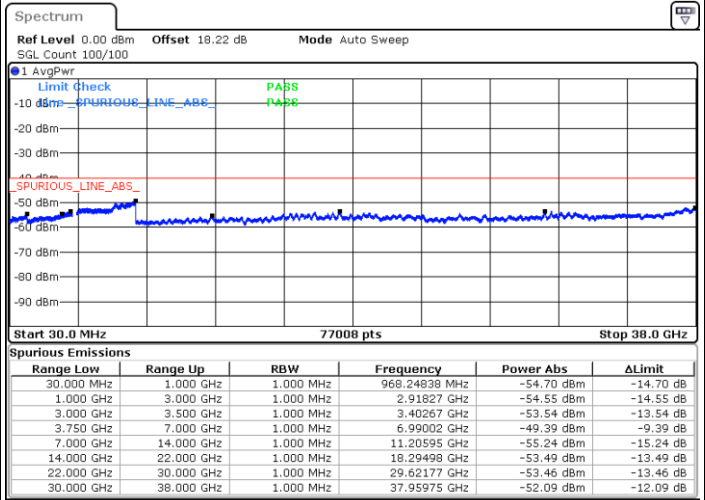
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

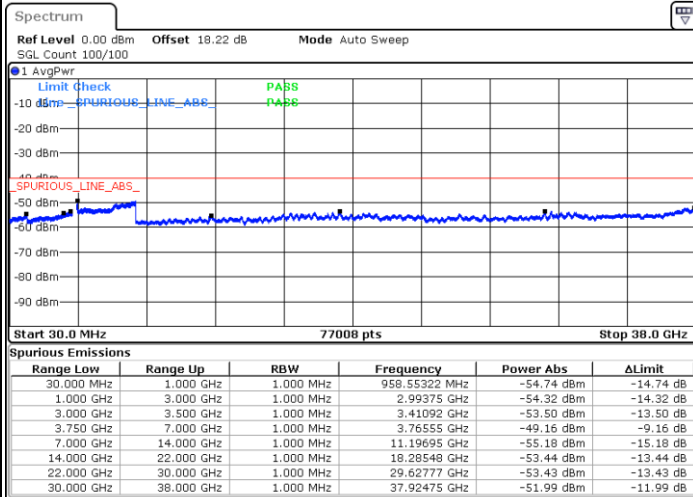


Date: 23 SEP. 2020 17:14:23



Date: 23 SEP. 2020 17:10:39

Highest Channel / 1RB0



Date: 23 SEP. 2020 17:15:55

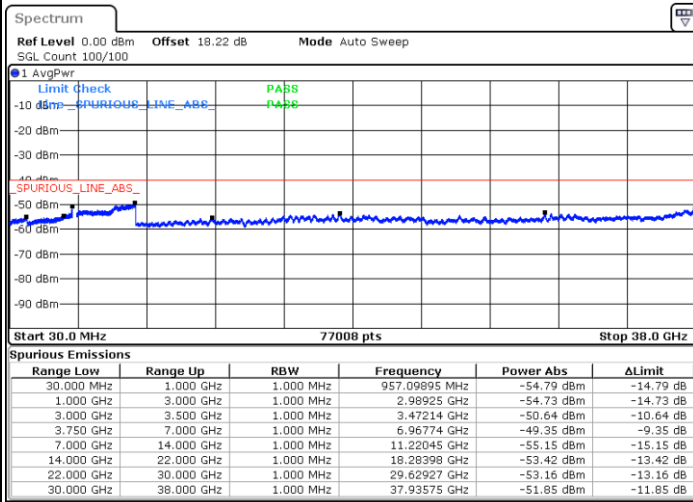


LTE Band 48 / 20MHz

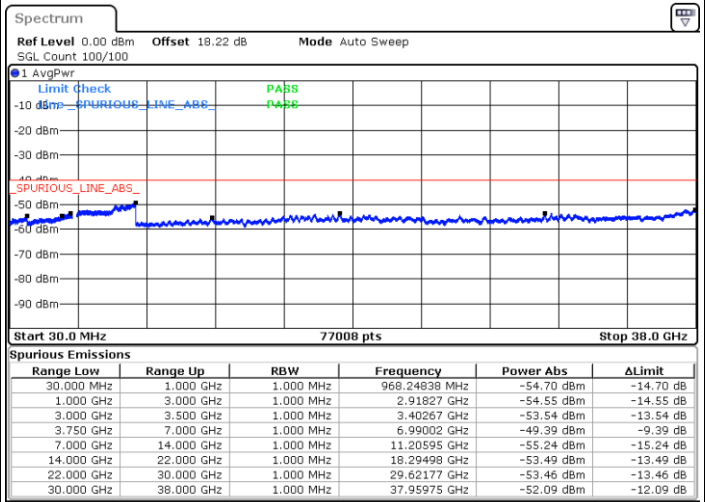
16QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0

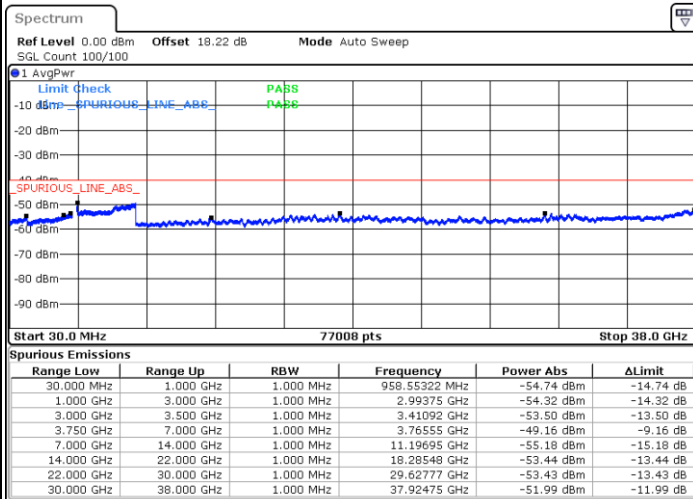


Date: 23 SEP. 2020 17:14:23



Date: 23 SEP. 2020 17:10:39

Highest Channel / 1RB0



Date: 23 SEP. 2020 17:15:55

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
60	Normal Voltage	0.0013	PASS
50	Normal Voltage	0.0011	
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0001	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =7.5 V. ; Battery End Point (BEP) =6 V. ; Maximum Voltage =9 V.
2. The temperature range -20~60 °C is declared by manufacturer.
3. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 48 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7230	-58.30	-40	-18.30	-69.76	2.84	14.30	H
	10848	-55.37	-40	-15.37	-65.31	3.49	13.43	H
	14466	-53.99	-40	-13.99	-64.23	3.85	14.09	H
	7230	-59.23	-40	-19.23	-70.69	2.84	14.30	V
	10848	-55.48	-40	-15.48	-65.42	3.49	13.43	V
	14466	-53.07	-40	-13.07	-63.31	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.