

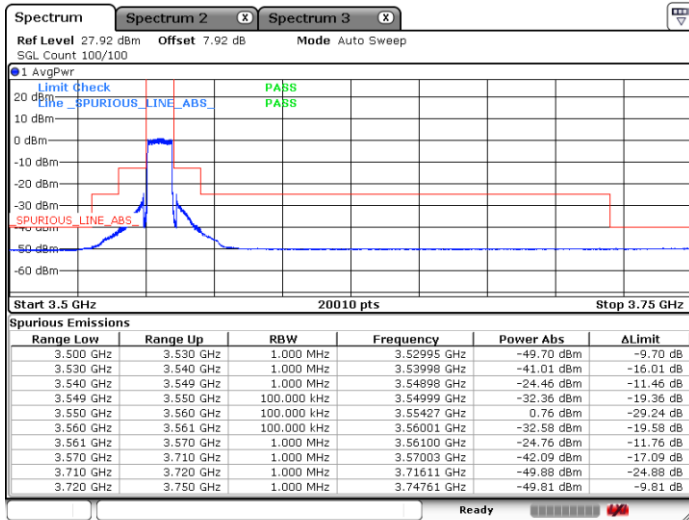


LTE Band 48 / 10MHz

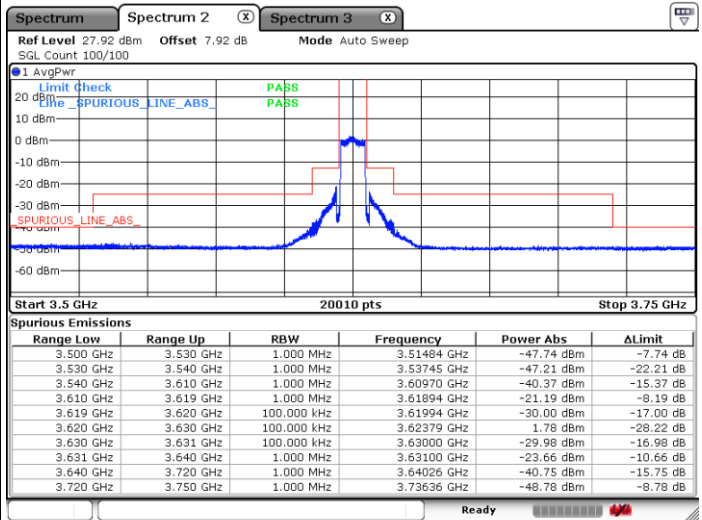
QPSK

Lowest Channel / Full RB

Middle Channel / Full RB



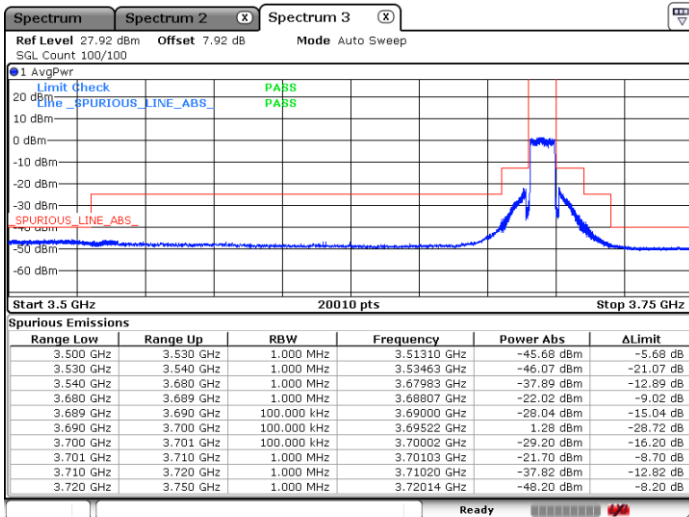
Date: 17.SEP.2020 15:55:14



Date: 17.SEP.2020 16:08:55

Highest Channel / Full RB

N/A



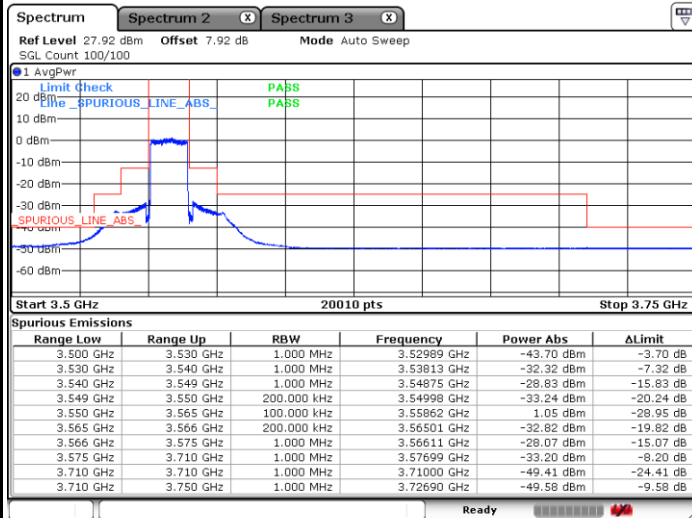
Date: 17.SEP.2020 16:05:25



LTE Band 48 / 15MHz

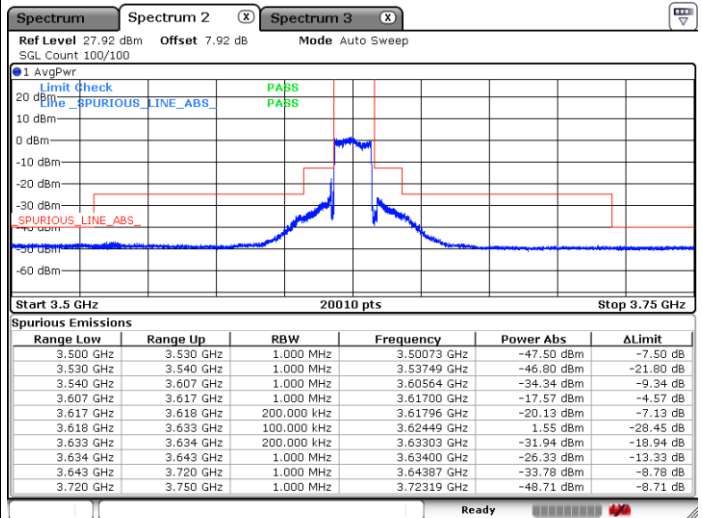
QPSK

Lowest Channel / Full RB



Date: 17.SEP.2020 14:54:39

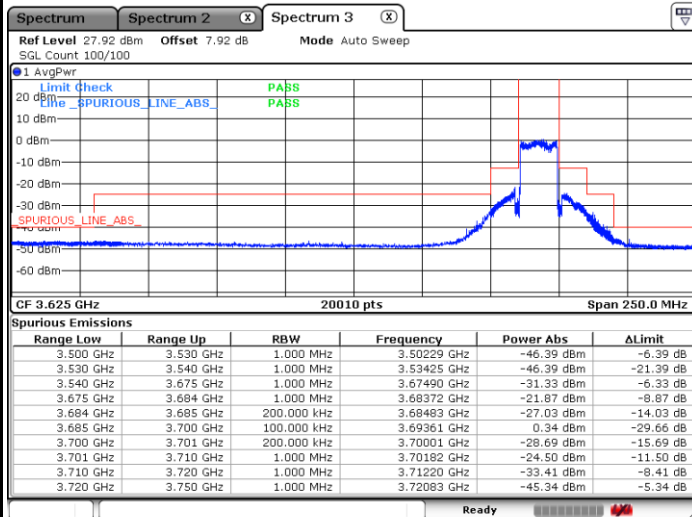
Middle Channel / Full RB



Date: 17.SEP.2020 15:00:09

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 15:02:27

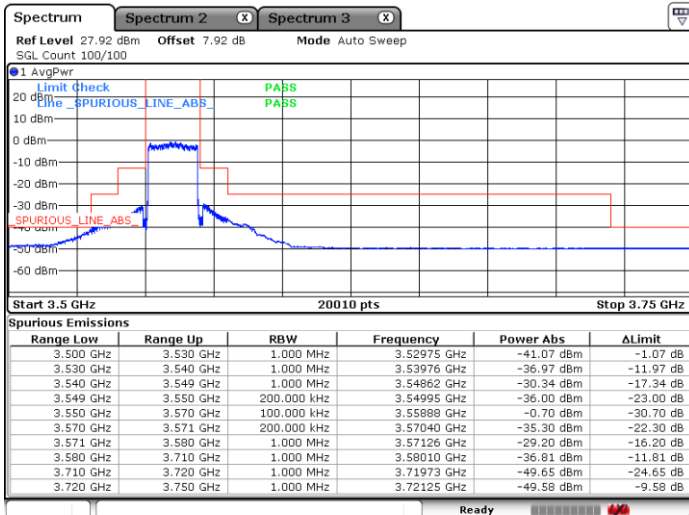


LTE Band 48 / 20MHz

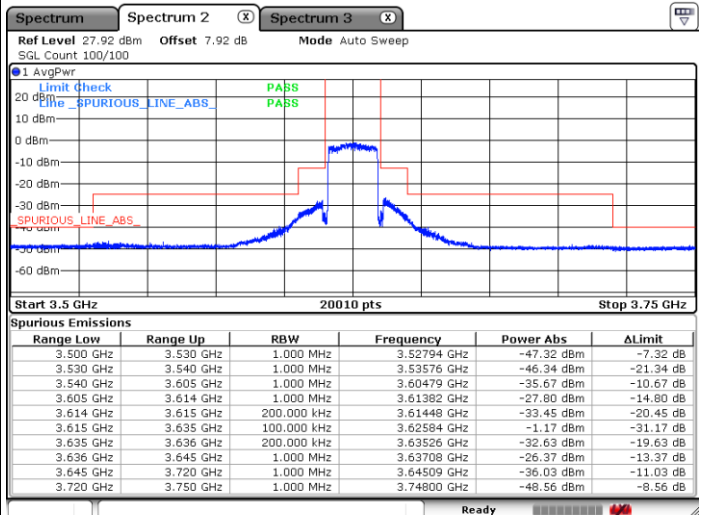
QPSK

Lowest Channel / Full RB

Middle Channel / Full RB



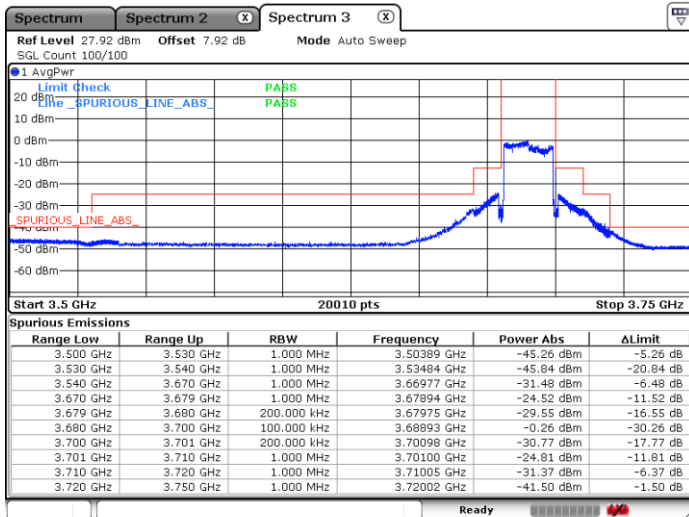
Date: 17.SEP.2020 15:15:10



Date: 17.SEP.2020 15:39:55

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 15:12:13

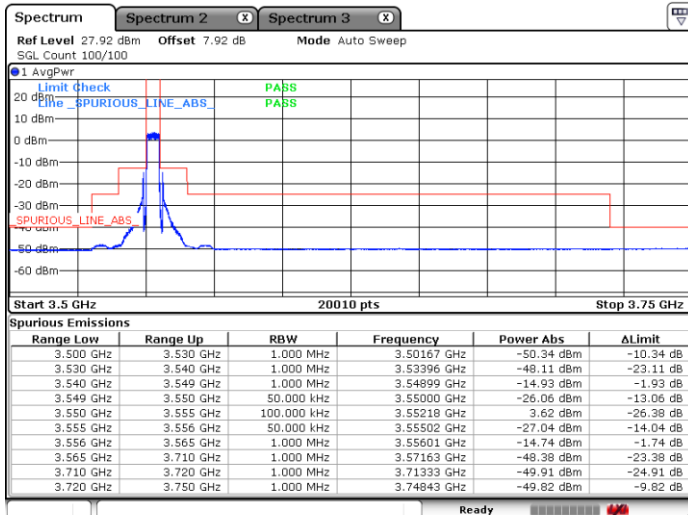


LTE Band 48 / 5MHz

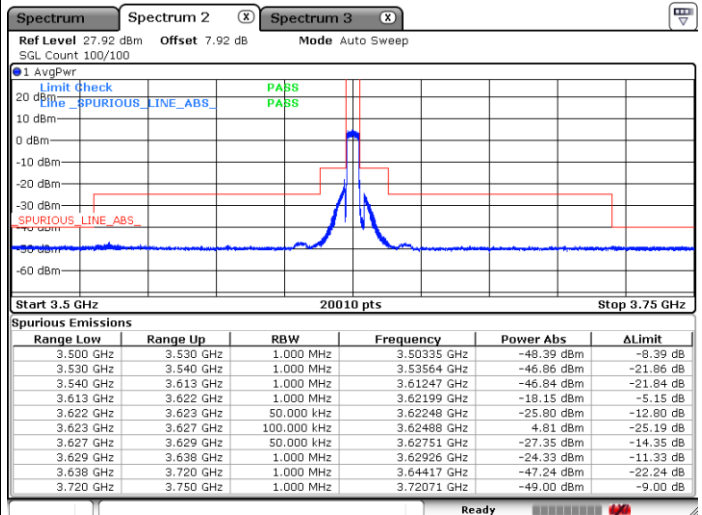
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



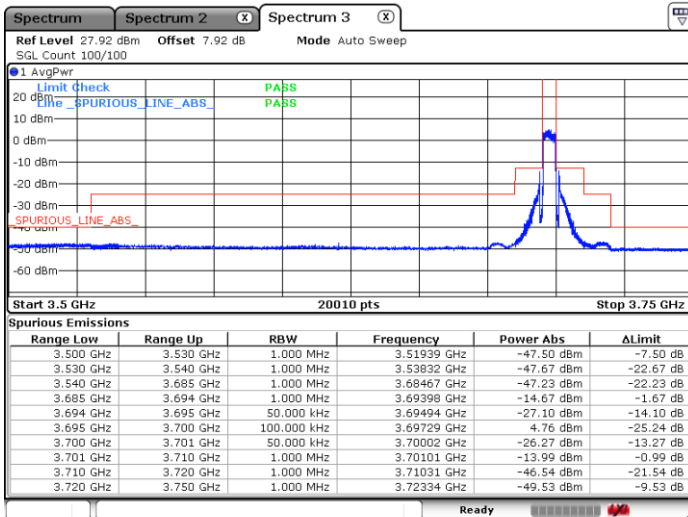
Date: 17.SEP.2020 16:15:56



Date: 17.SEP.2020 16:31:33

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 16:35:15

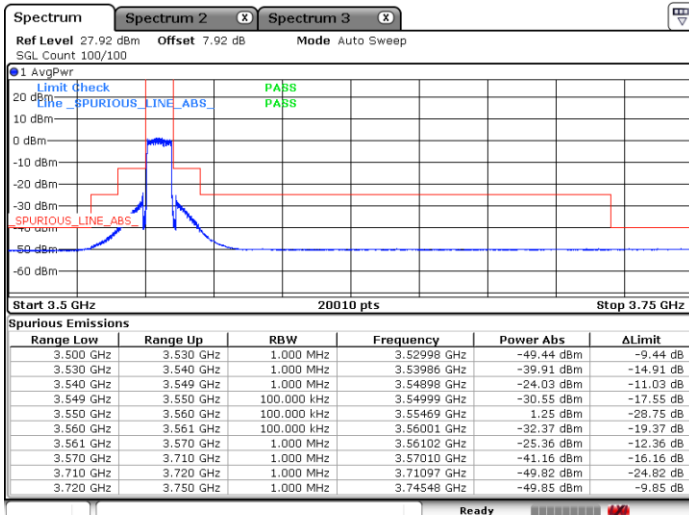


LTE Band 48 / 10MHz

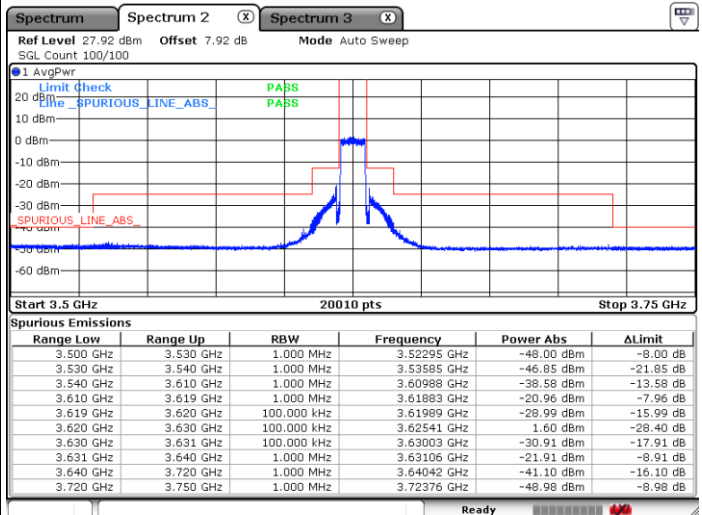
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



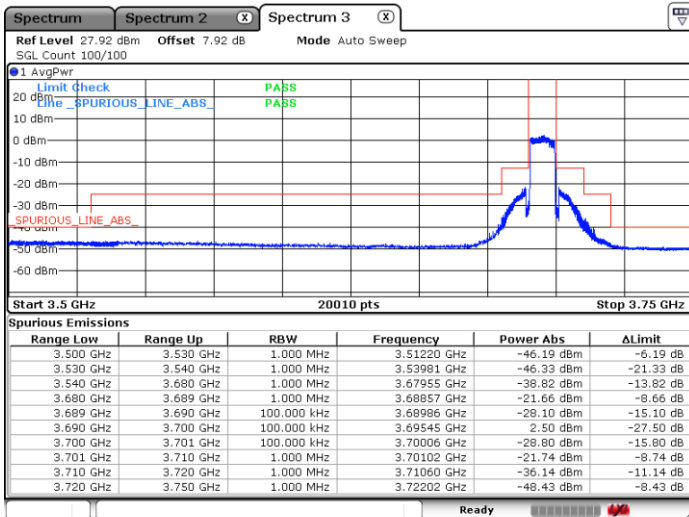
Date: 17.SEP.2020 15:57:08



Date: 17.SEP.2020 16:08:14

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 16:06:03

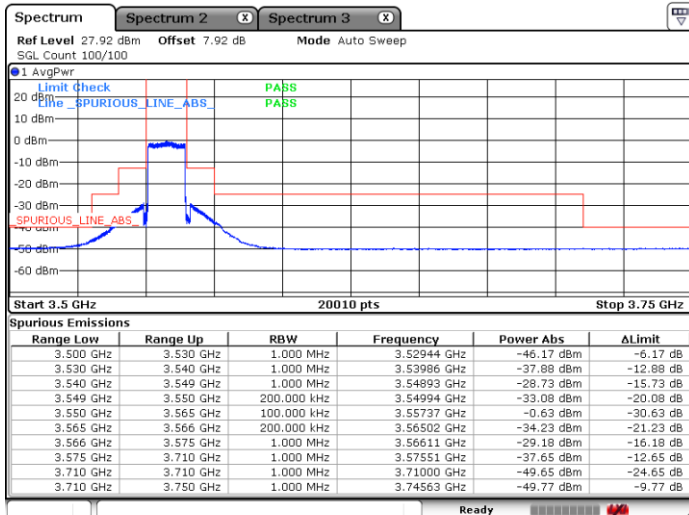


LTE Band 48 / 15MHz

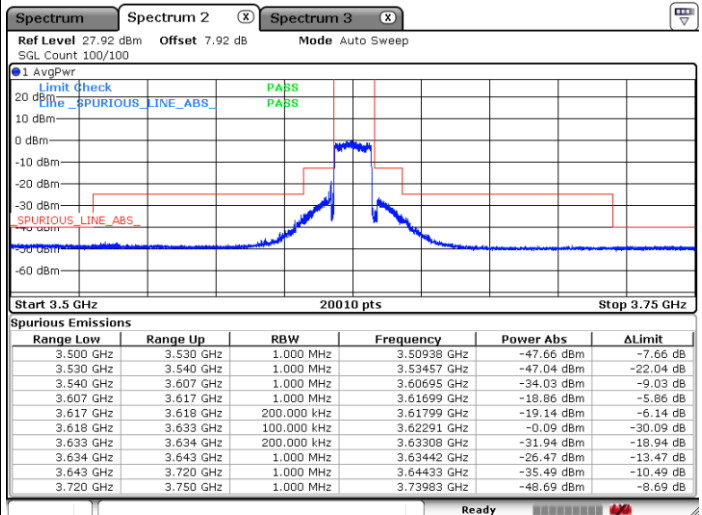
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



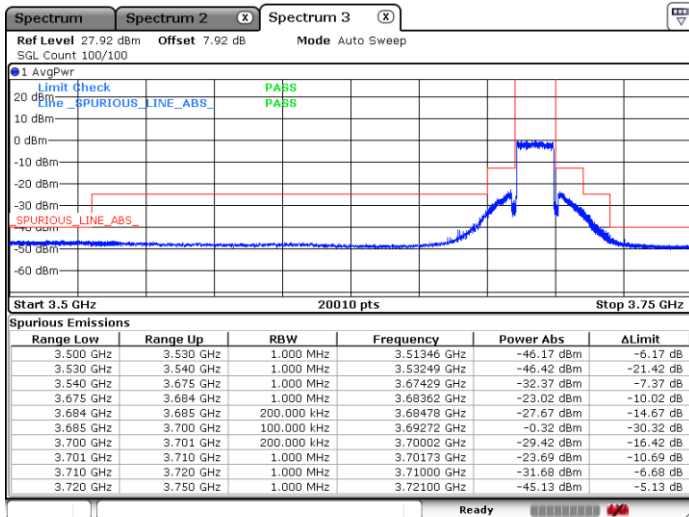
Date: 17.SEP.2020 14:55:59



Date: 17.SEP.2020 14:59:24

Highest Channel / Full RB

N/A



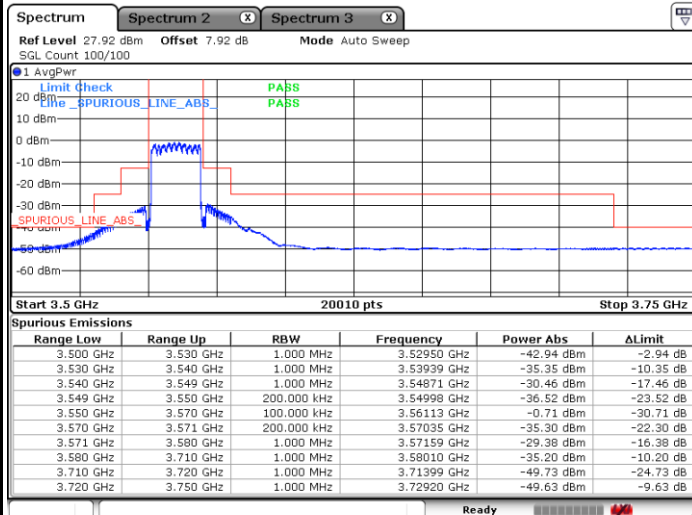
Date: 17.SEP.2020 15:04:00



LTE Band 48 / 20MHz

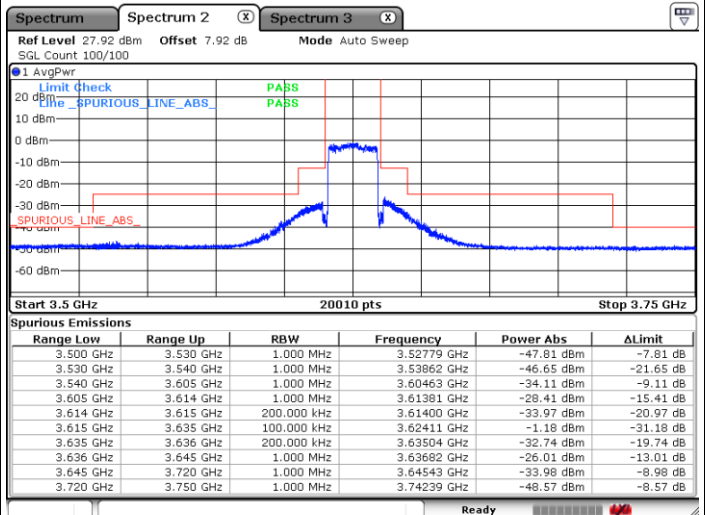
16QAM

Lowest Channel / Full RB



Date: 17.SEP.2020 15:34:08

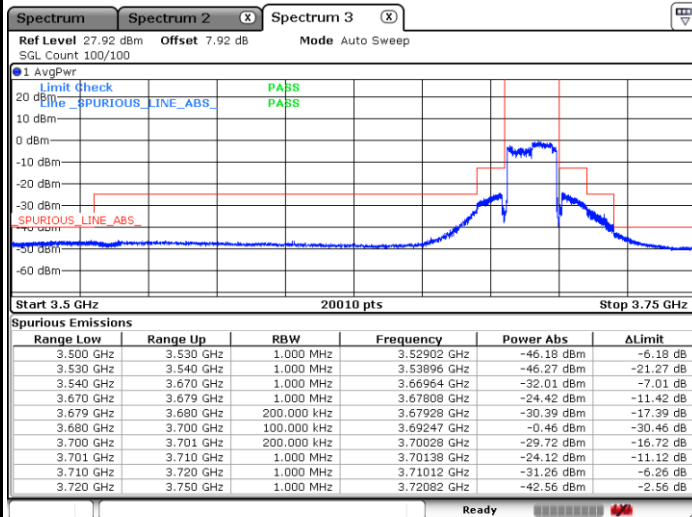
Middle Channel / Full RB



Date: 17.SEP.2020 15:40:51

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 15:46:17

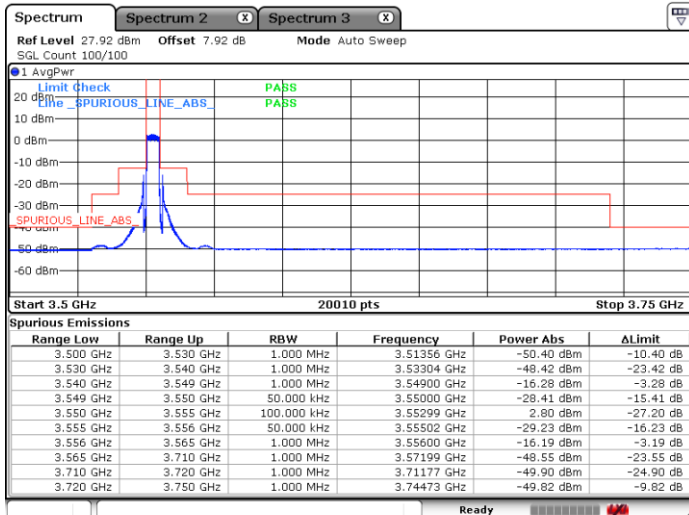


LTE Band 48 / 5MHz

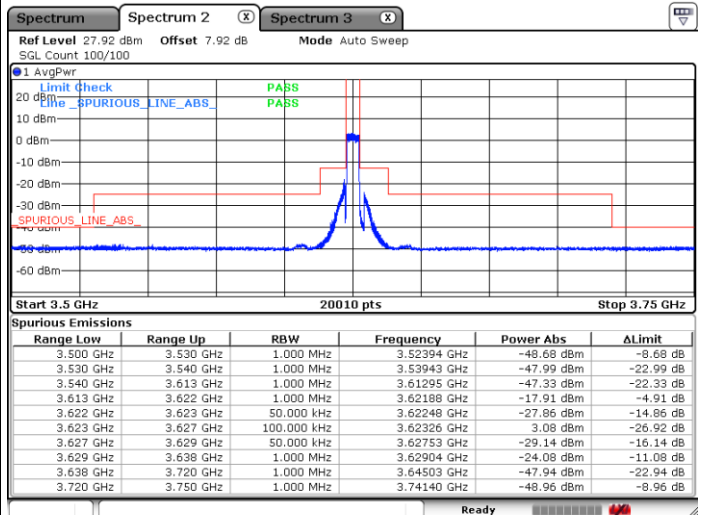
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



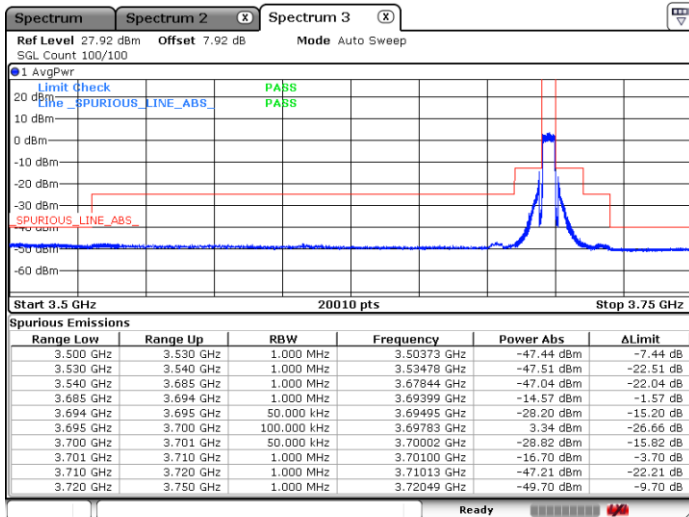
Date: 17.SEP.2020 16:19:19



Date: 17.SEP.2020 16:32:34

Highest Channel / Full RB

N/A



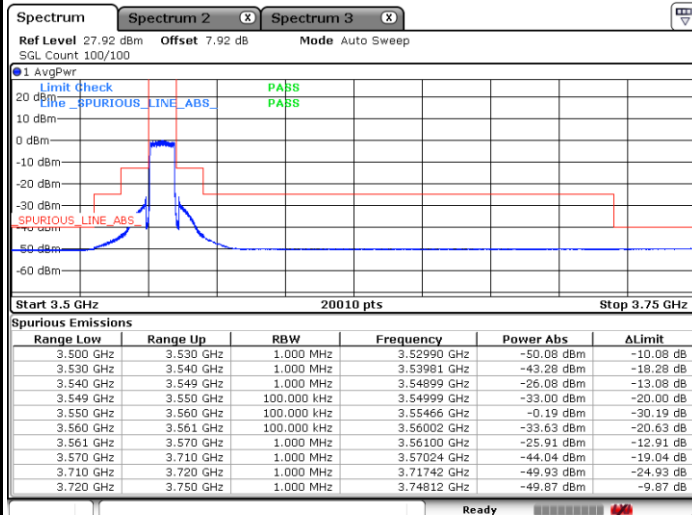
Date: 17.SEP.2020 16:34:26



LTE Band 48 / 10MHz

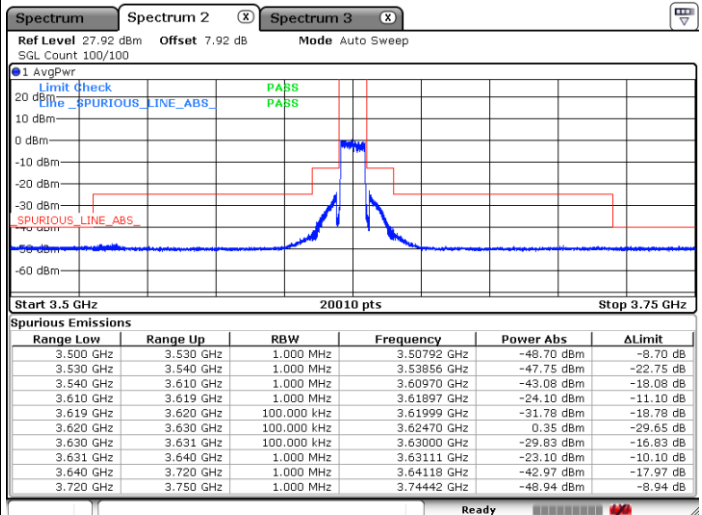
64QAM

Lowest Channel / Full RB



Date: 17.SEP.2020 15:58:57

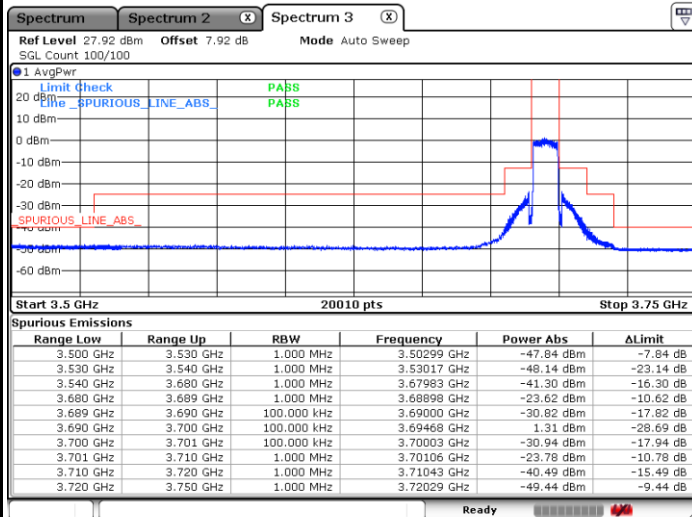
Middle Channel / Full RB



Date: 17.SEP.2020 16:09:23

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 16:06:35

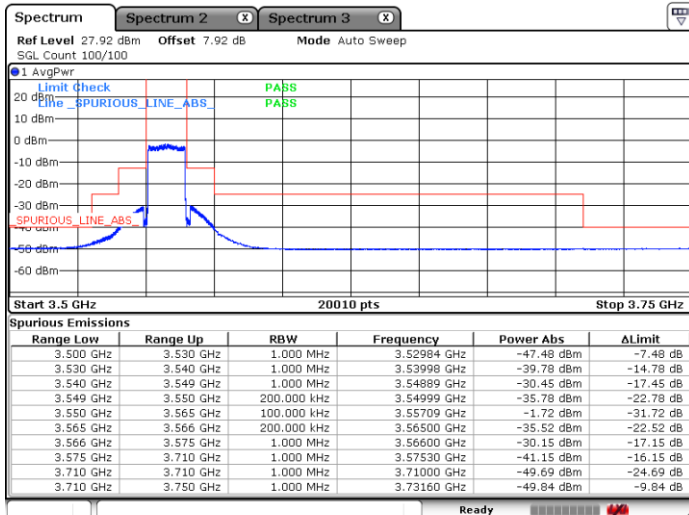


LTE Band 48 / 15MHz

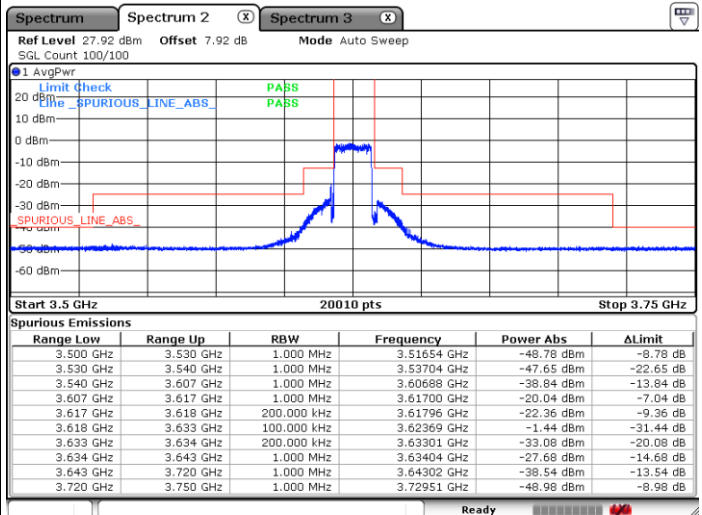
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



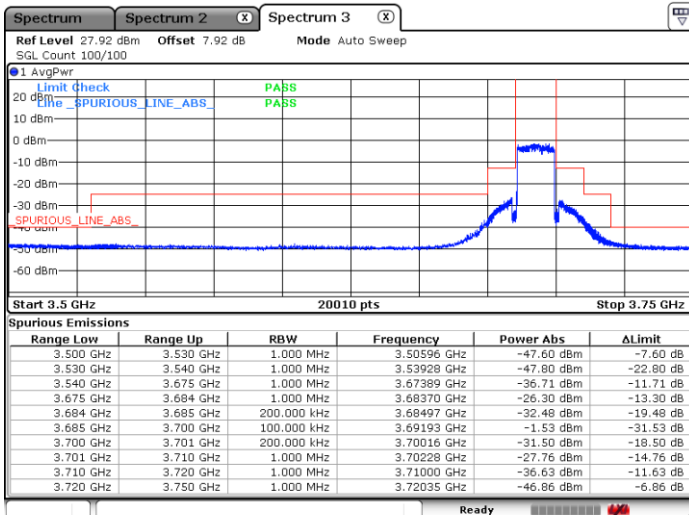
Date: 17.SEP.2020 14:57:22



Date: 17.SEP.2020 14:58:41

Highest Channel / Full RB

N/A



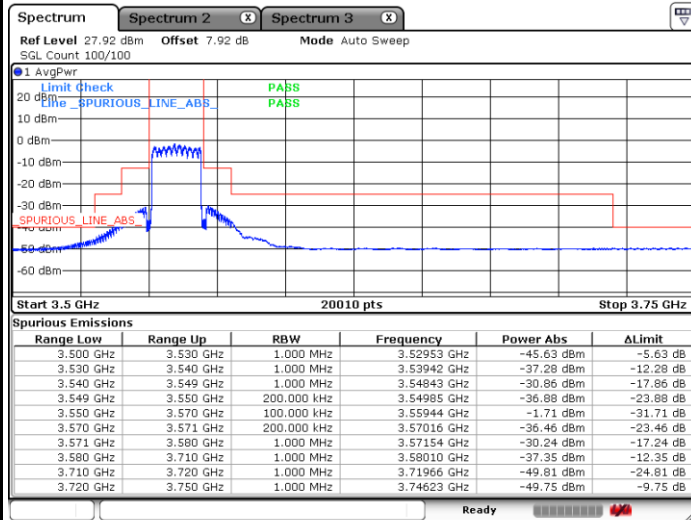
Date: 17.SEP.2020 15:03:22



LTE Band 48 / 20MHz

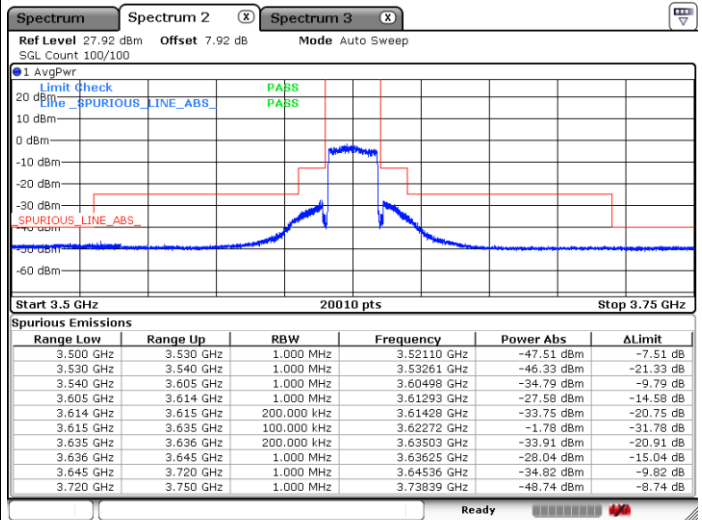
64QAM

Lowest Channel / Full RB



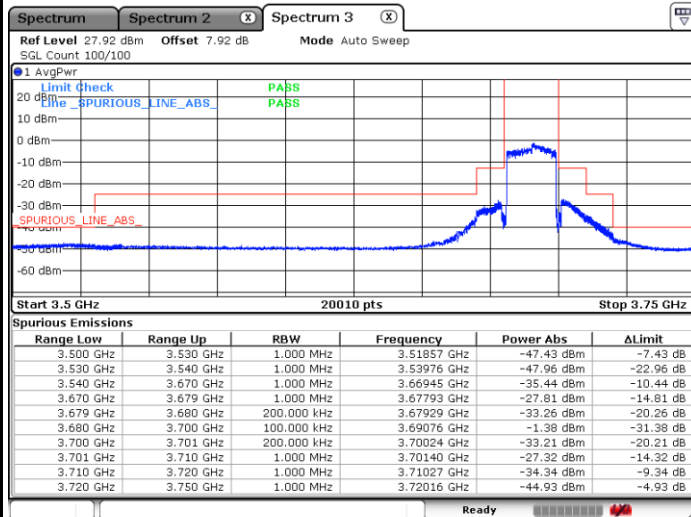
Date: 17.SEP.2020 15:35:47

Middle Channel / Full RB



Date: 17.SEP.2020 15:41:28

Highest Channel / Full RB



Date: 17.SEP.2020 15:42:51

N/A



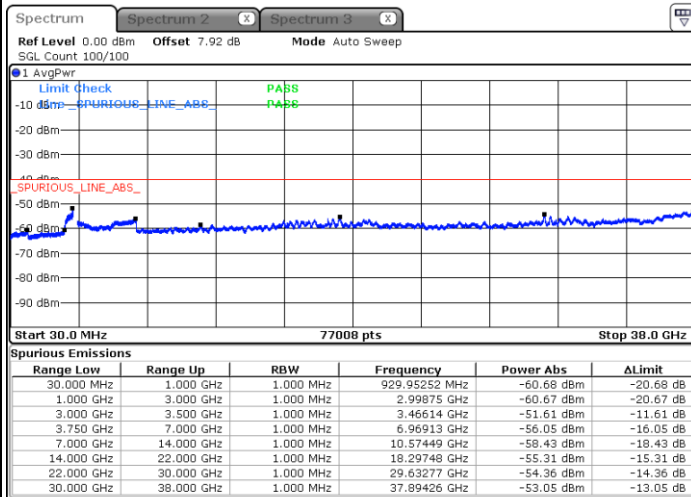
Conducted Spurious Emission

LTE Band 48 / 5MHz

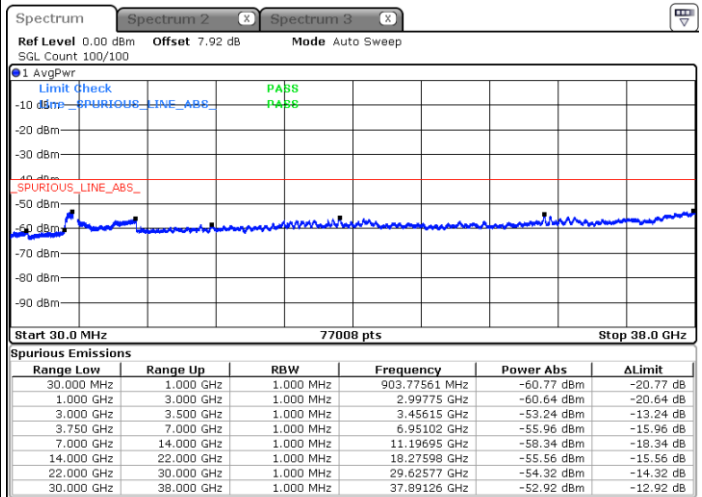
QPSK

Lowest Channel / Full RB

Middle Channel / Full RB



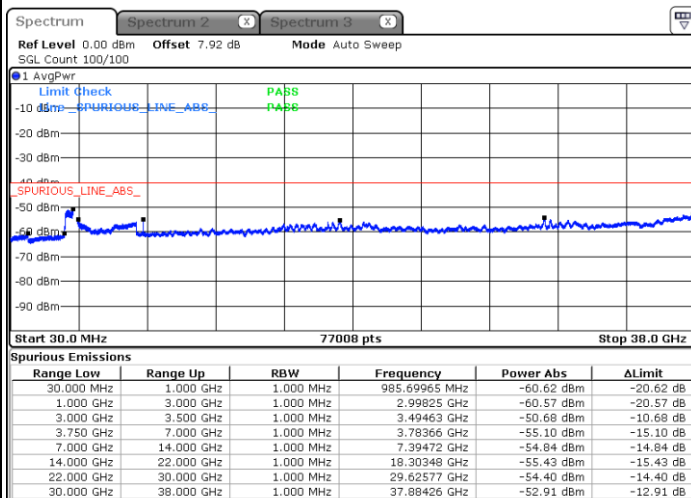
Date: 17.SEP.2020 16:43:59



Date: 17.SEP.2020 16:49:22

Highest Channel / Full RB

N/A



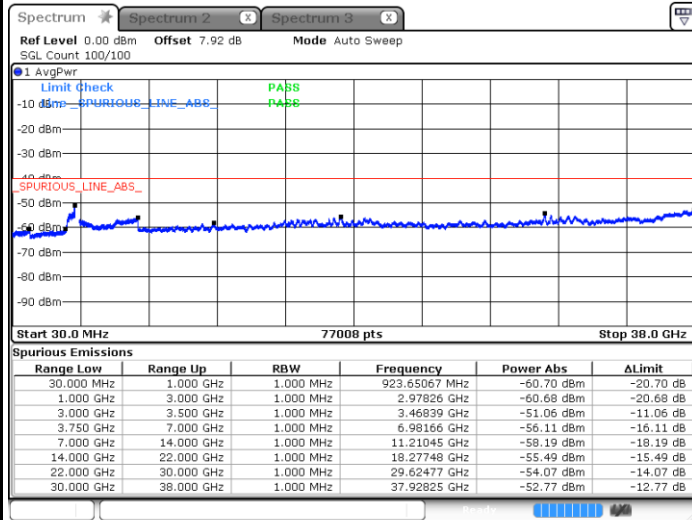
Date: 17.SEP.2020 16:56:06



LTE Band 48 / 10MHz

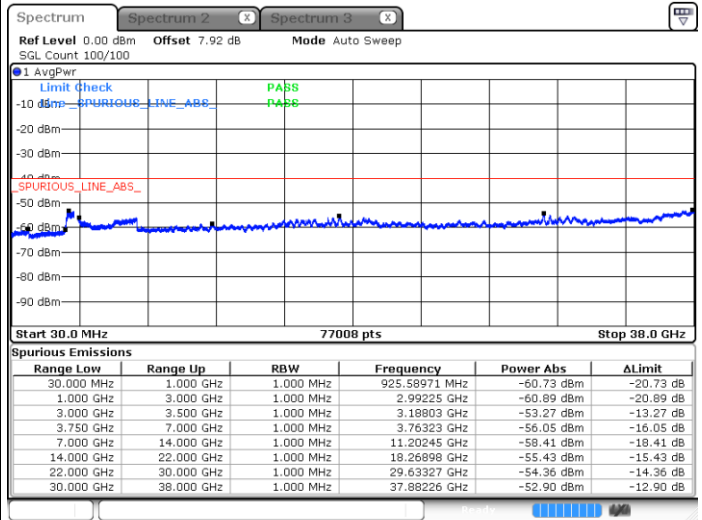
QPSK

Lowest Channel / Full RB



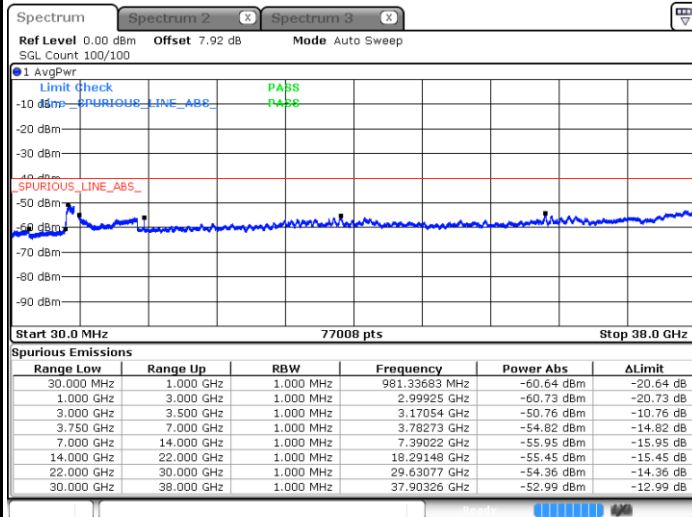
Date: 17.SEP.2020 18:00:14

Middle Channel / Full RB



Date: 17.SEP.2020 18:06:11

Highest Channel / Full RB



Date: 17.SEP.2020 18:07:25

N/A

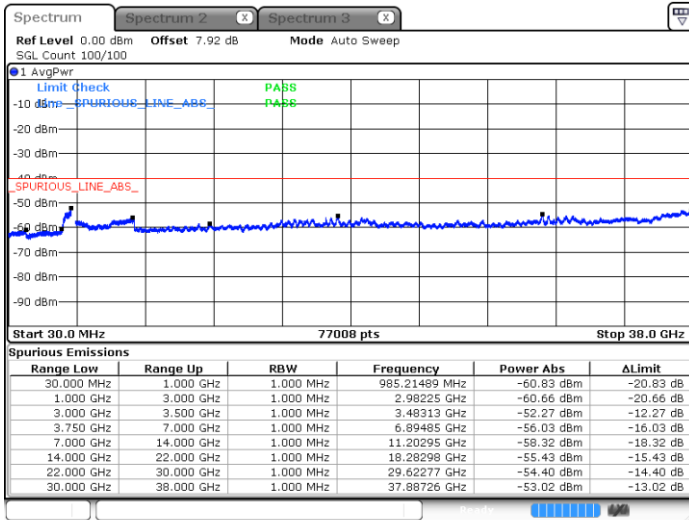


LTE Band 48 / 15MHz

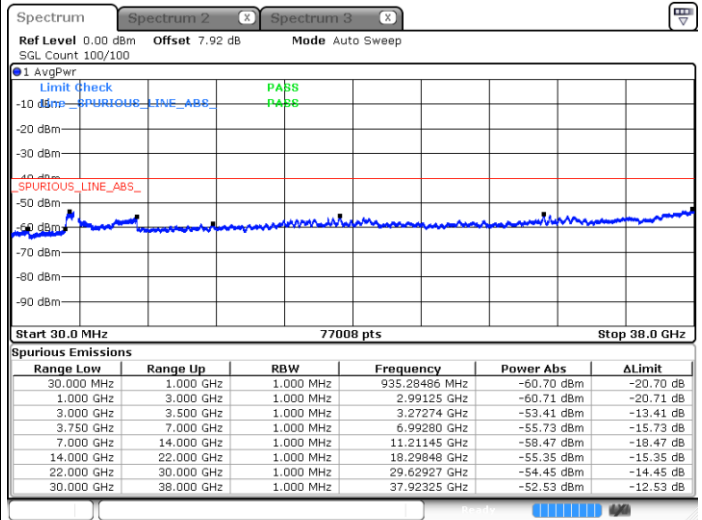
QPSK

Lowest Channel / Full RB

Middle Channel / Full RB



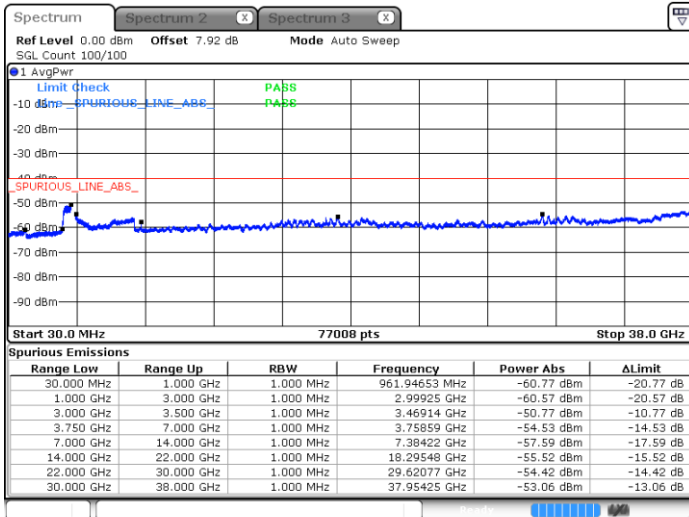
Date: 17.SEP.2020 18:11:26



Date: 17.SEP.2020 18:18:51

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:20:06

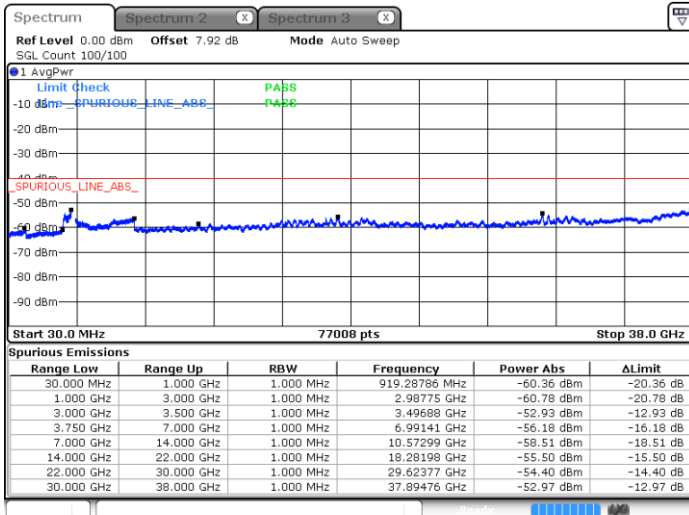


LTE Band 48 / 20MHz

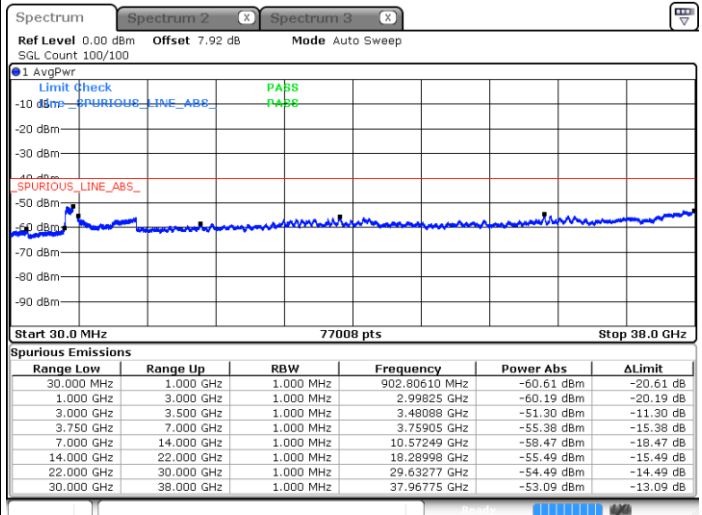
QPSK

Lowest Channel / Full RB

Middle Channel / Full RB



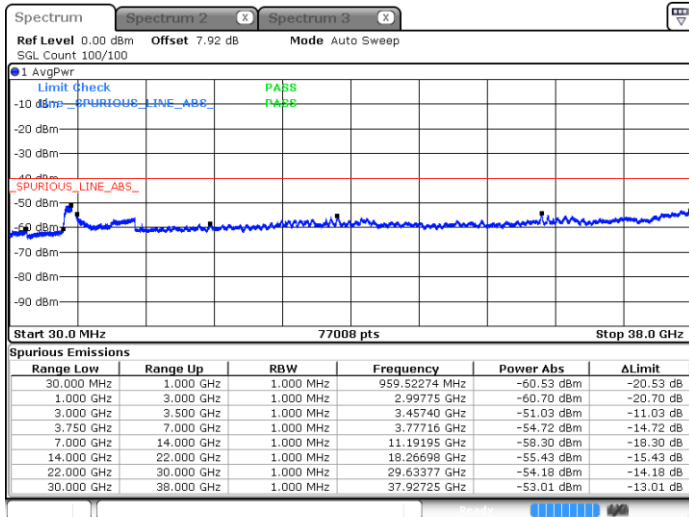
Date: 17.SEP.2020 18:26:23



Date: 17.SEP.2020 18:27:34

Highest Channel / Full RB

N/A



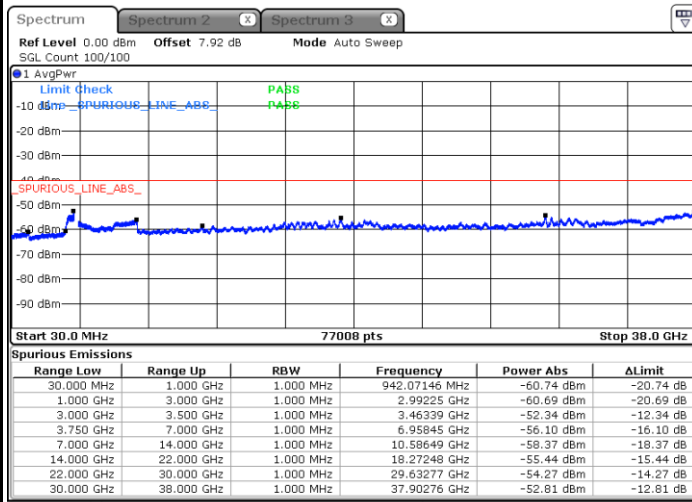
Date: 17.SEP.2020 18:33:45



LTE Band 48 / 5MHz

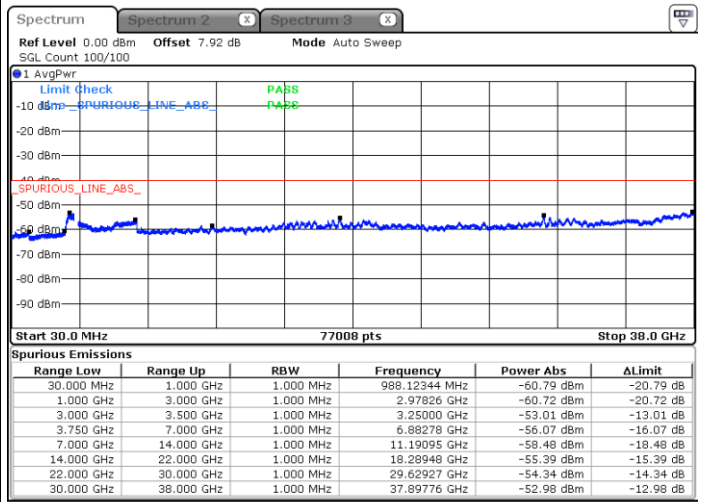
16QAM

Lowest Channel / Full RB



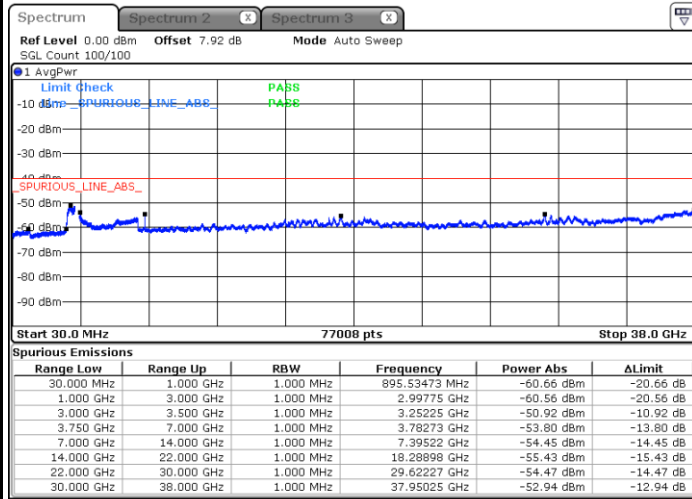
Date: 17.SEP.2020 16:45:08

Middle Channel / Full RB



Date: 17.SEP.2020 16:50:51

Highest Channel / Full RB



Date: 17.SEP.2020 16:57:26

N/A

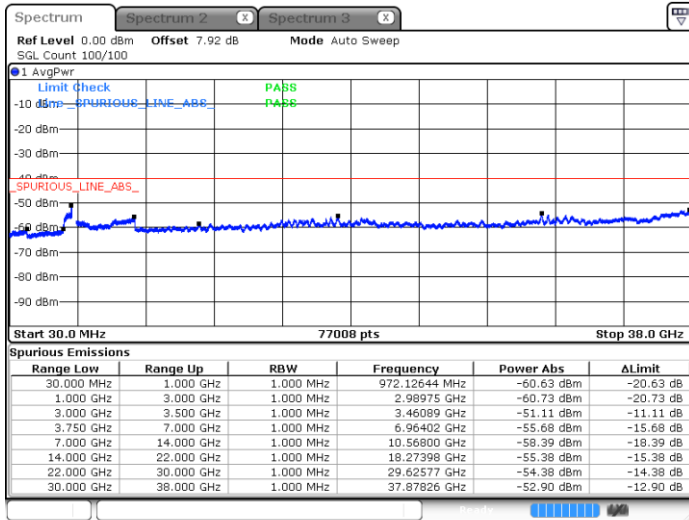


LTE Band 48 / 10MHz

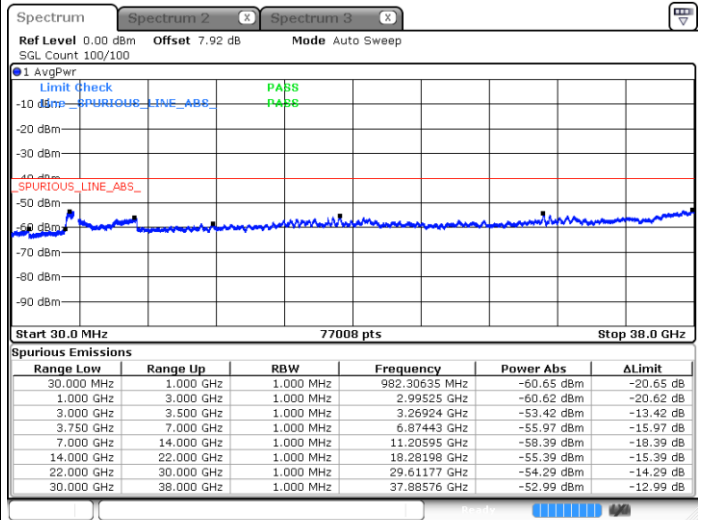
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



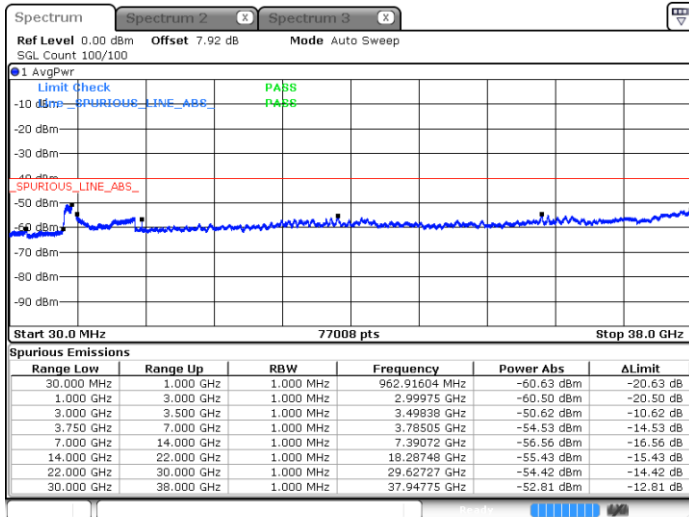
Date: 17.SEP.2020 18:01:22



Date: 17.SEP.2020 18:04:59

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:08:33

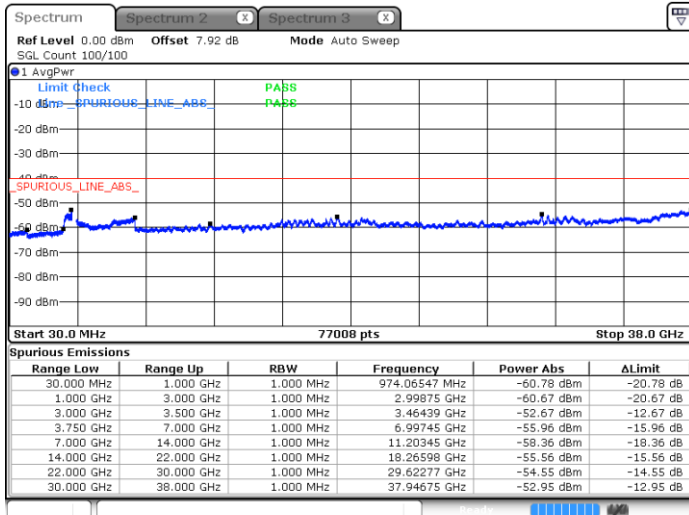


LTE Band 48 / 15MHz

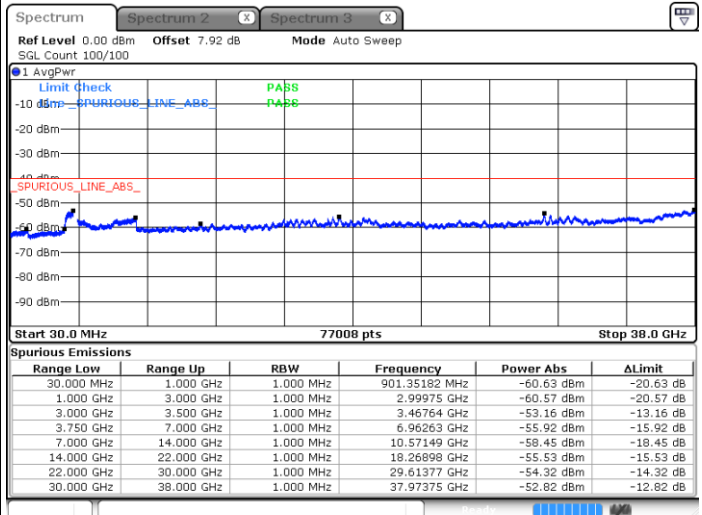
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



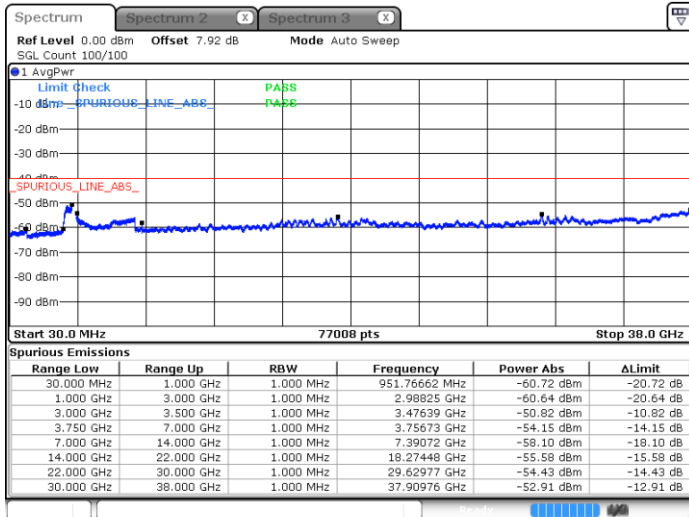
Date: 17.SEP.2020 18:12:46



Date: 17.SEP.2020 18:17:44

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:21:15

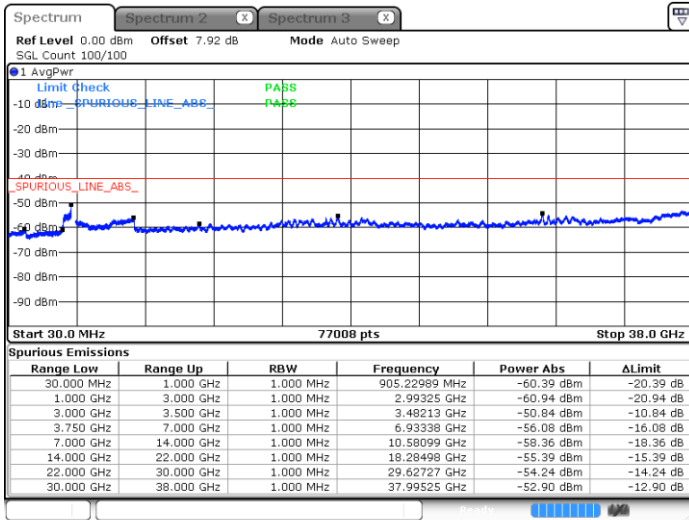


LTE Band 48 / 20MHz

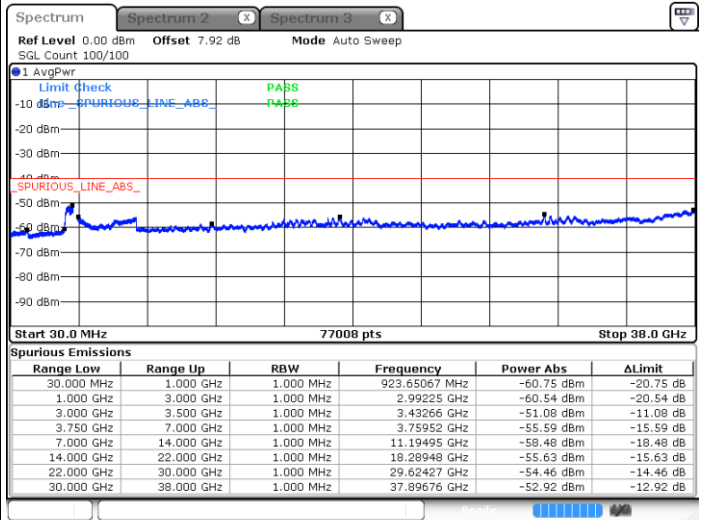
16QAM

Lowest Channel / Full RB

Middle Channel / Full RB



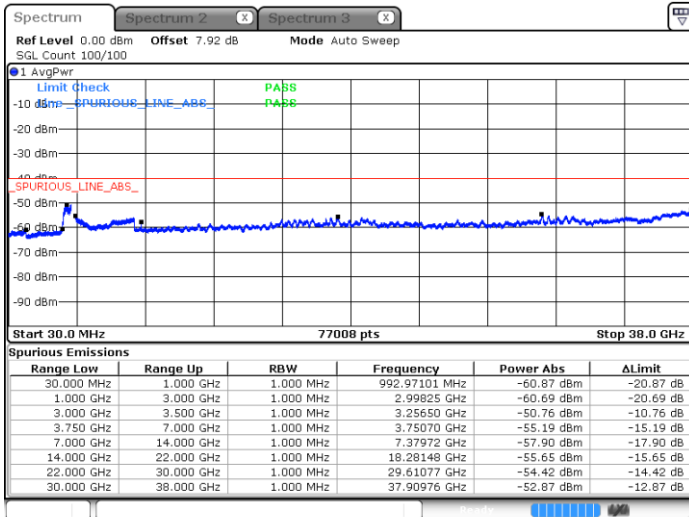
Date: 17.SEP.2020 18:25:15



Date: 17.SEP.2020 18:28:45

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:32:24

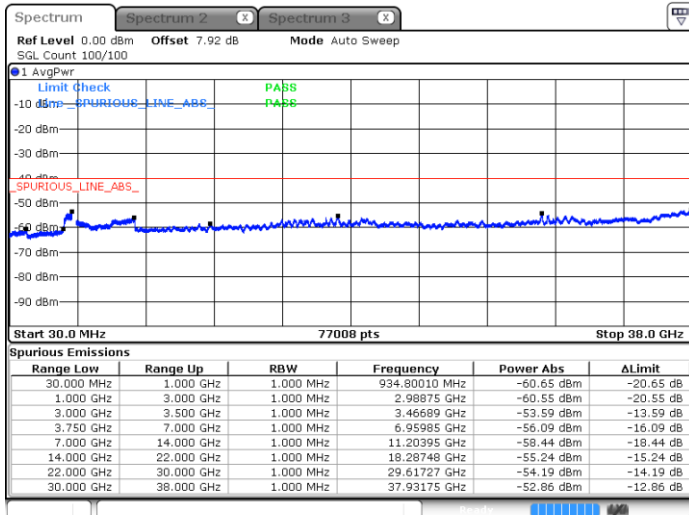


LTE Band 48 / 5MHz

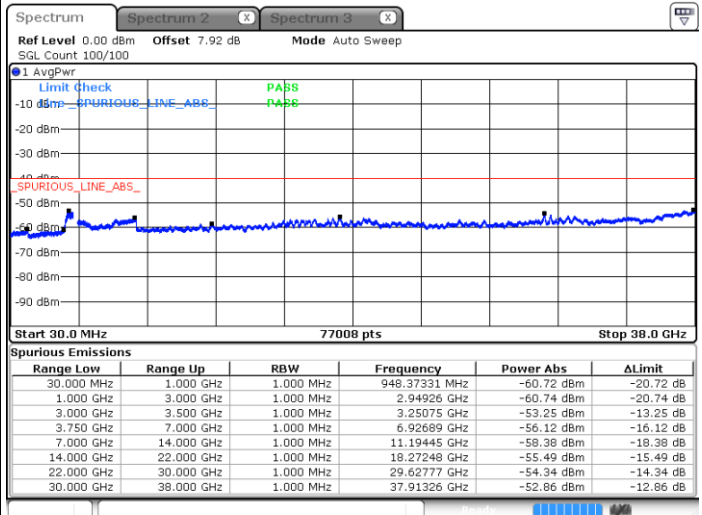
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



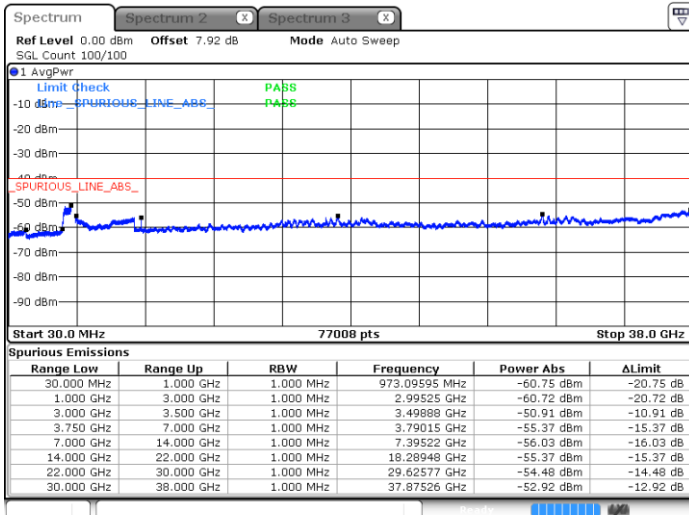
Date: 17.SEP.2020 16:46:28



Date: 17.SEP.2020 16:52:02

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 16:59:14

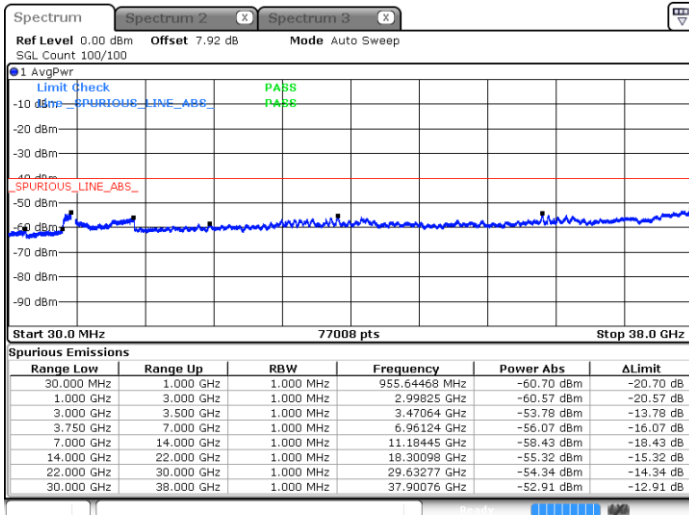


LTE Band 48 / 10MHz

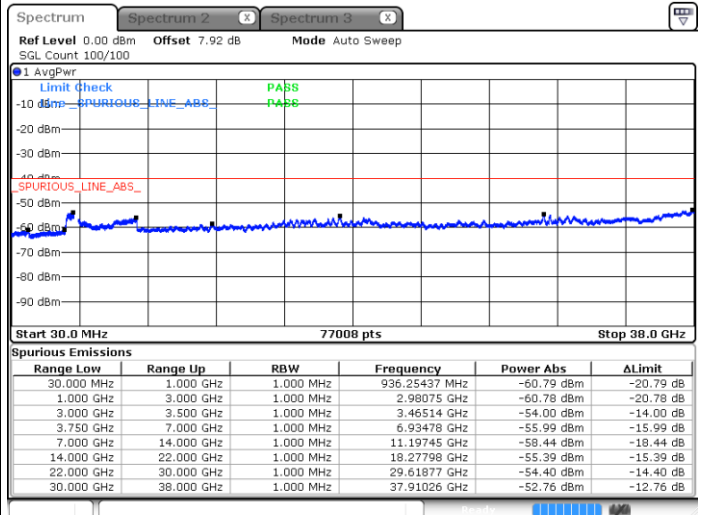
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



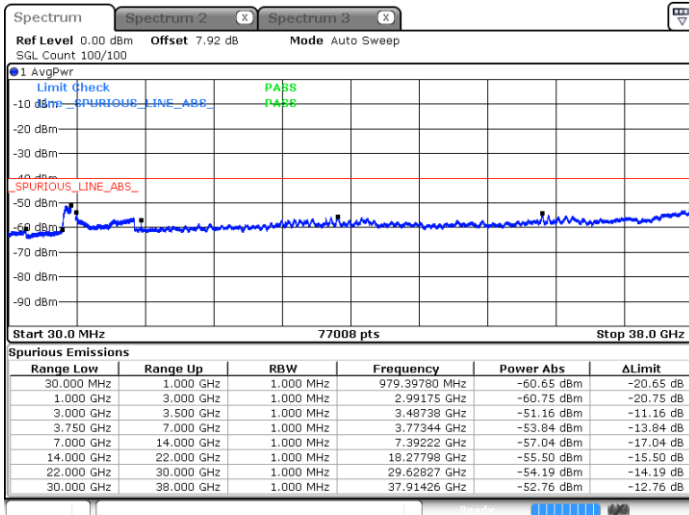
Date: 17.SEP.2020 18:02:28



Date: 17.SEP.2020 18:03:42

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:09:43

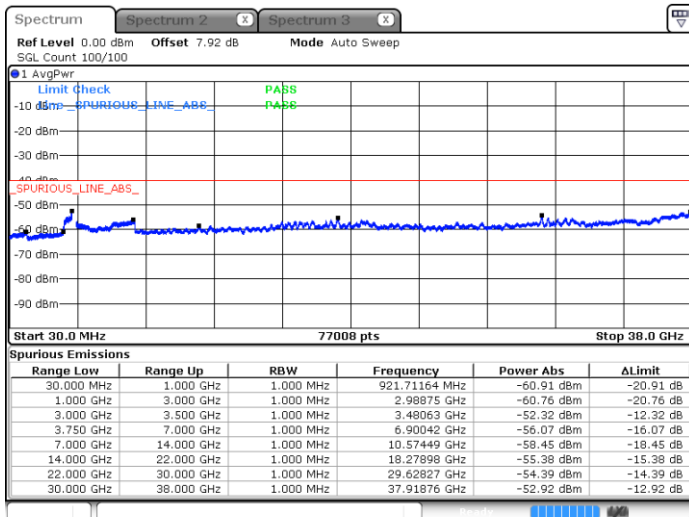


LTE Band 48 / 15MHz

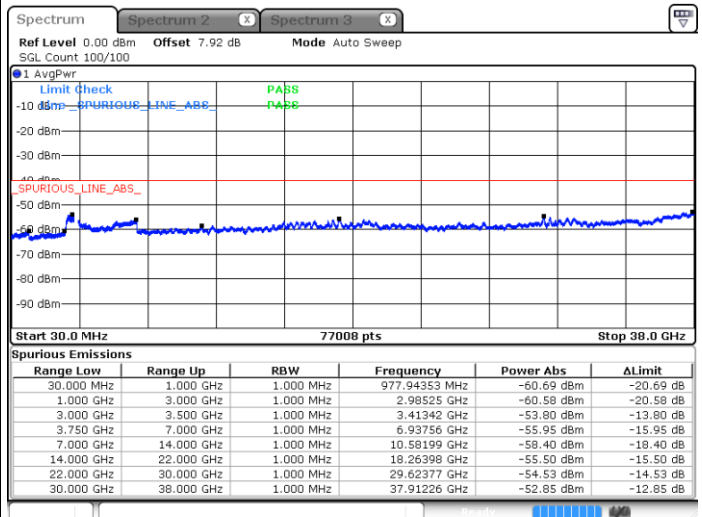
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



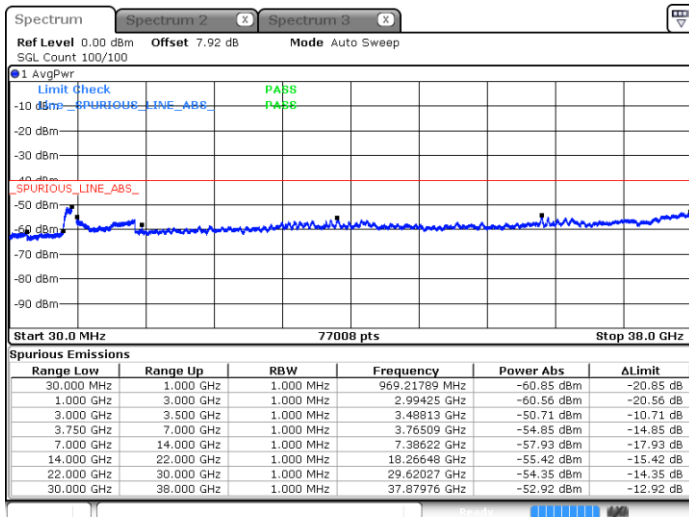
Date: 17.SEP.2020 18:15:23



Date: 17.SEP.2020 18:16:36

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:22:26

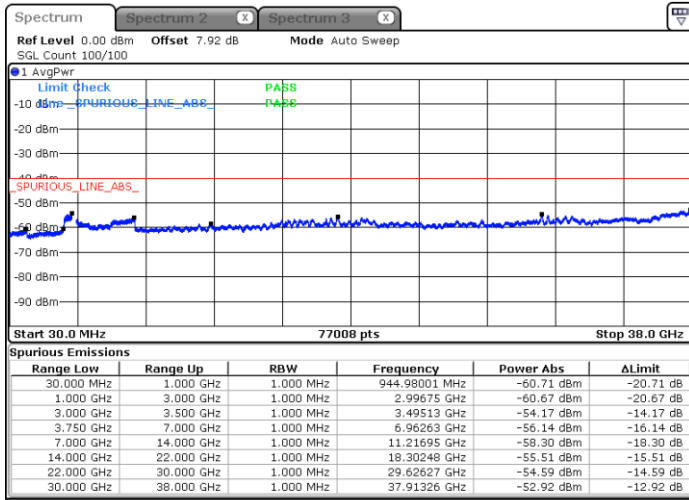


LTE Band 48 / 20MHz

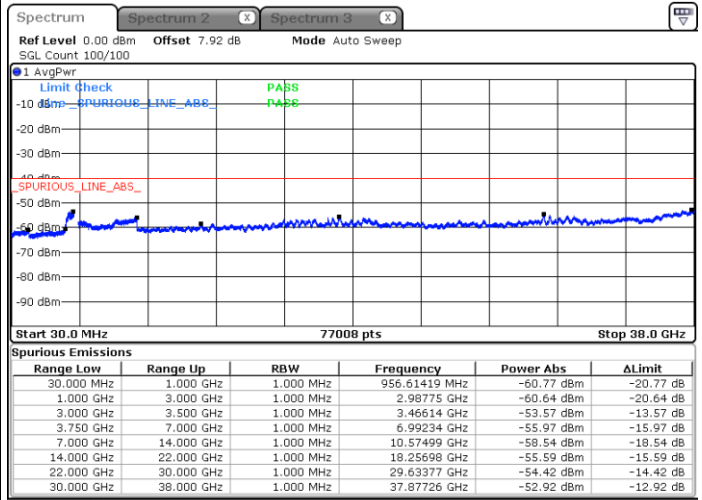
64QAM

Lowest Channel / Full RB

Middle Channel / Full RB



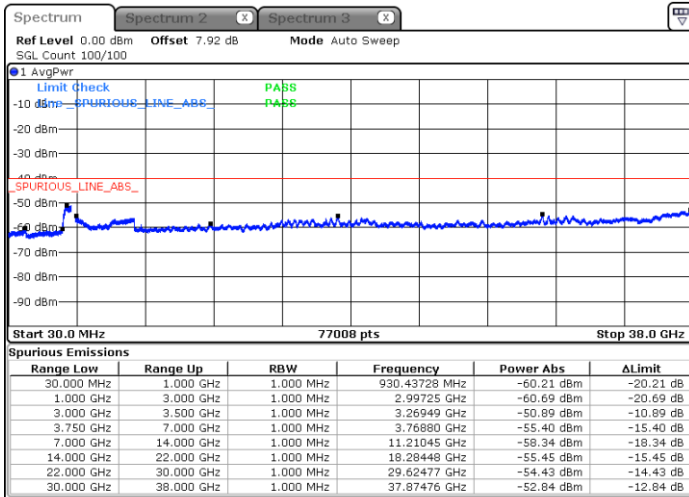
Date: 17.SEP.2020 18:23:55



Date: 17.SEP.2020 18:29:52

Highest Channel / Full RB

N/A



Date: 17.SEP.2020 18:31:15

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	0.0012	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =52 V. ; Battery End Point (BEP) =48 V. ; Maximum Voltage =56V.
2. 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	-58.91	-40	-18.91	-70.37	2.84	14.30	H
	10848	-53.45	-40	-13.45	-63.39	3.49	13.43	H
	14466	-50.72	-40	-10.72	-60.96	3.85	14.09	H
	7230	-55.05	-40	-15.05	-66.51	2.84	14.30	V
	10848	-54.22	-40	-14.22	-64.16	3.49	13.43	V
	14466	-50.94	-40	-10.94	-61.18	3.85	14.09	V

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