

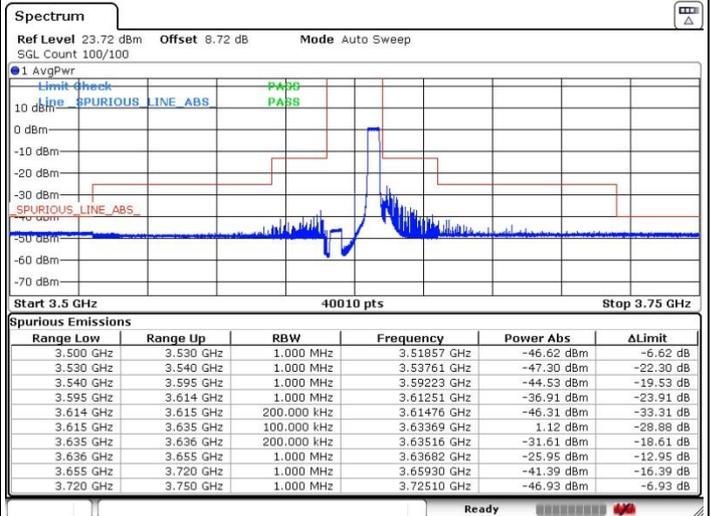
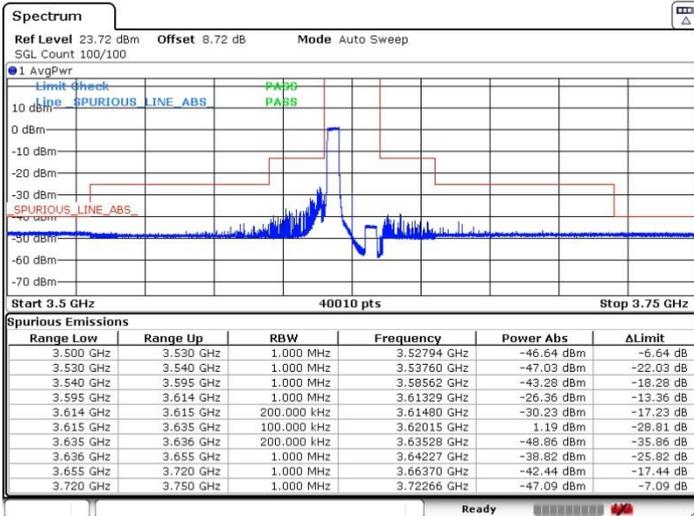


LTE Band 48 / 20MHz

256QAM

Middle Channel / 24RB0

Middle Channel / 24RB76

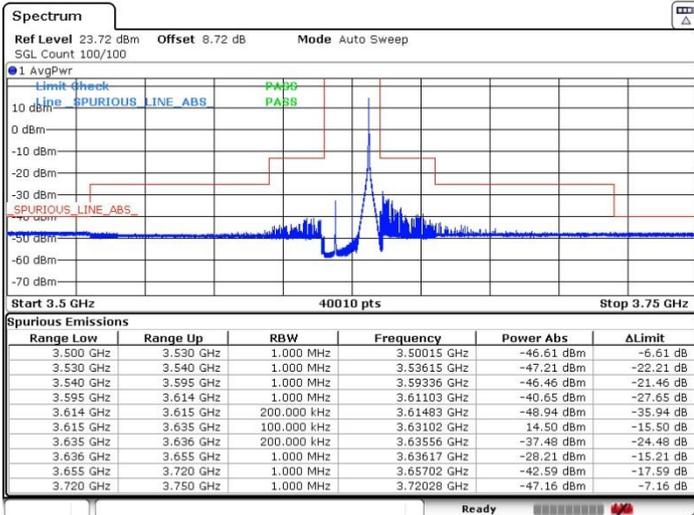


Date: 17.DEC.2021 02:29:53

Date: 17.DEC.2021 02:42:07

Middle Channel / 1RB83

N/A



Date: 17.DEC.2021 02:43:29

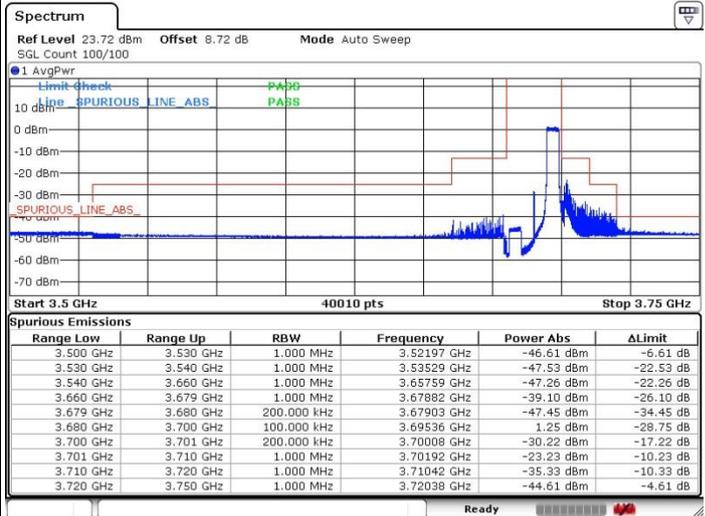
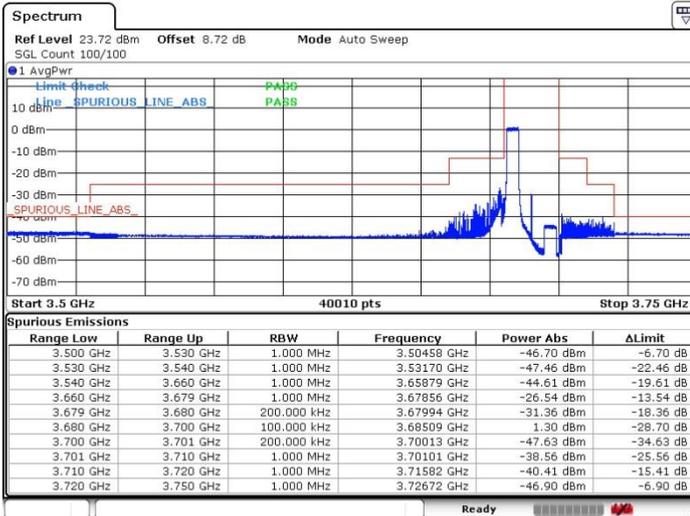


LTE Band 48 / 20MHz

256QAM

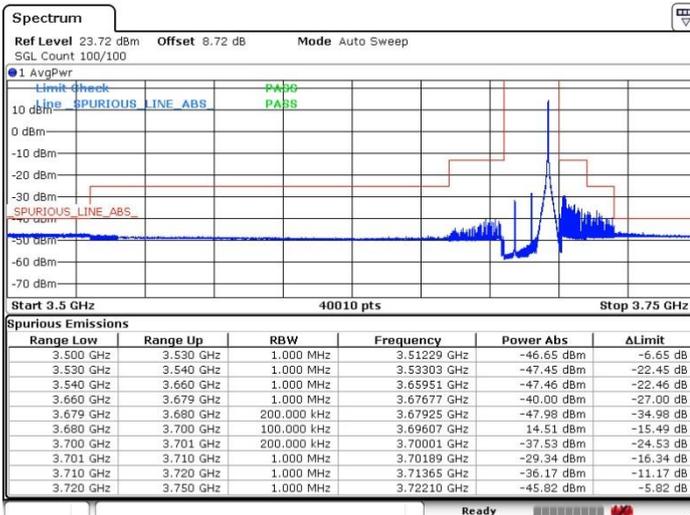
Highest Channel / 24RB0

Highest Channel / 24RB76



Highest Channel / 1RB83

N/A



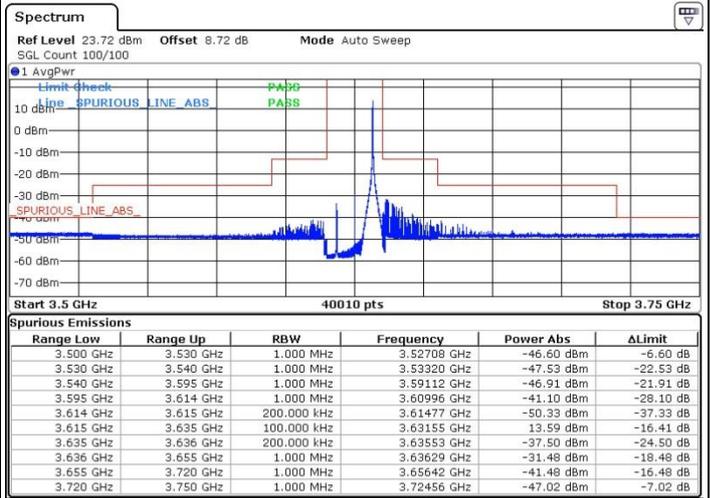
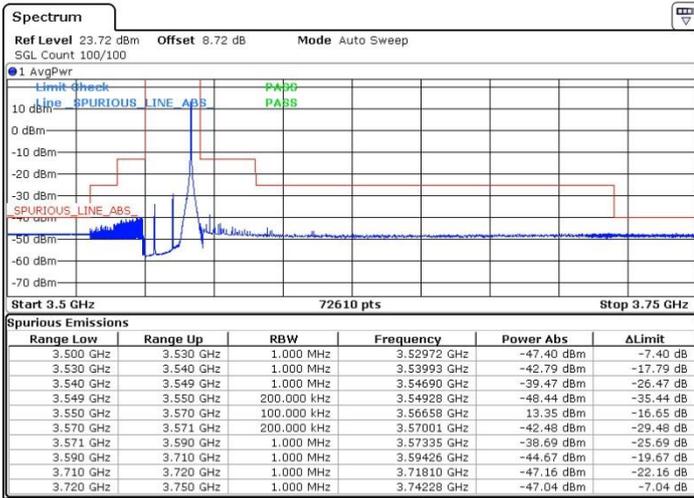


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB86

Middle Channel / 1RB86

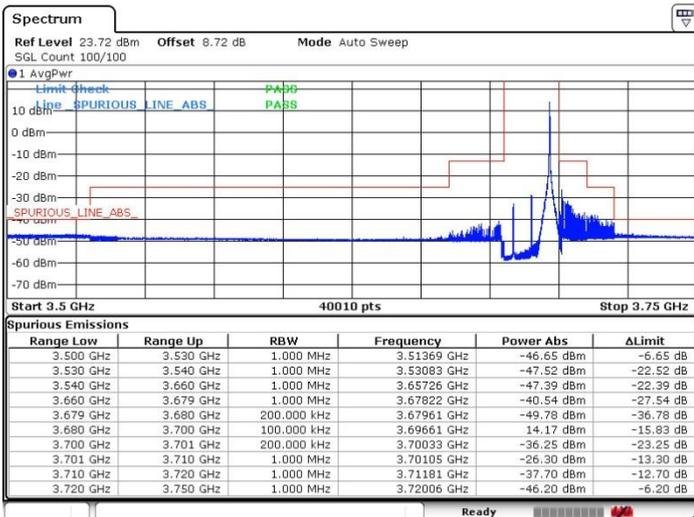


Date: 17.DEC.2021 04:01:31

Date: 17.DEC.2021 02:53:20

Highest Channel / 1RB86

N/A



Date: 17.DEC.2021 09:54:51

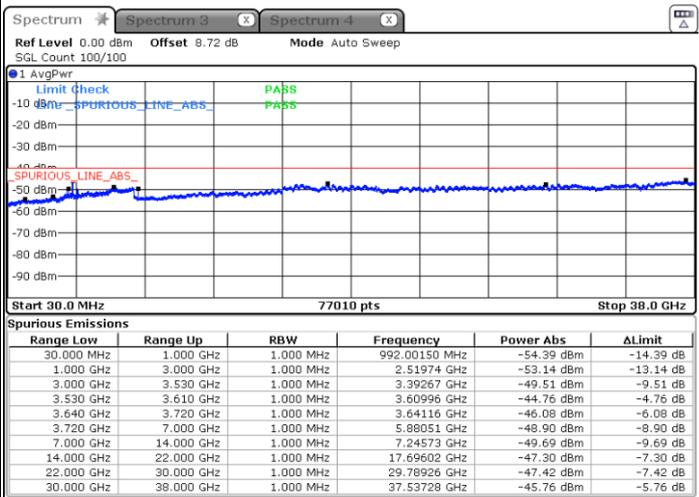
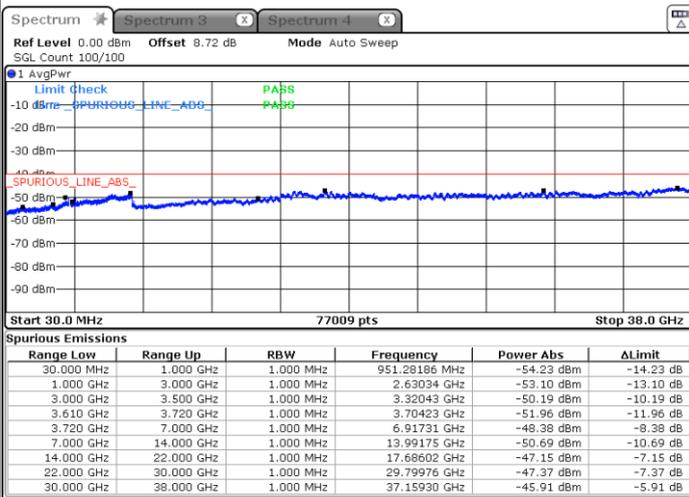


Conducted Spurious Emission

LTE Band 48 / 5MHz
QPSK / 1RB0

Lowest Channel

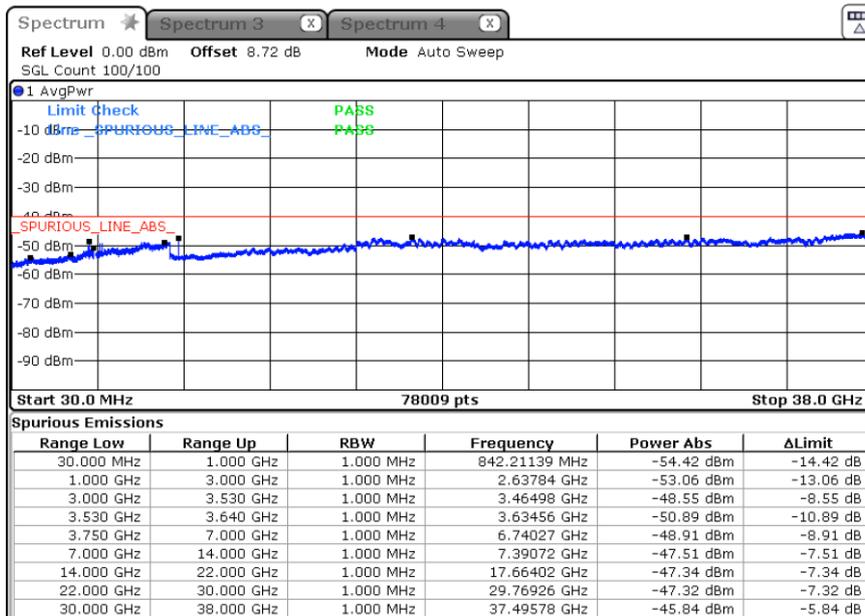
Middle Channel



Date: 30.NOV.2021 19:47:07

Date: 30.NOV.2021 19:50:50

Highest Channel



Date: 30.NOV.2021 19:52:34

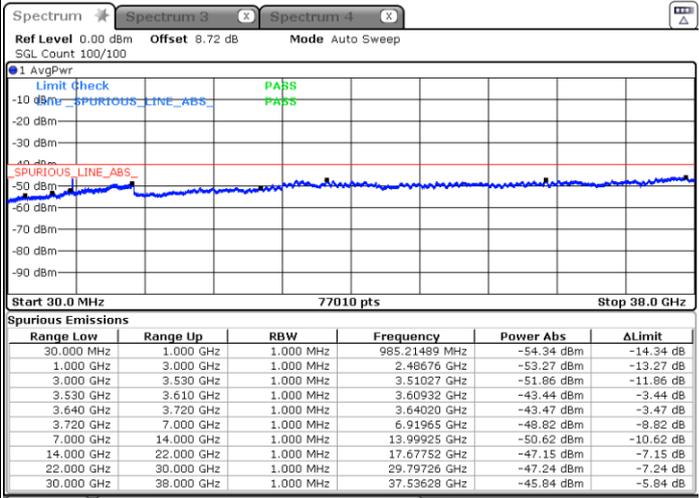
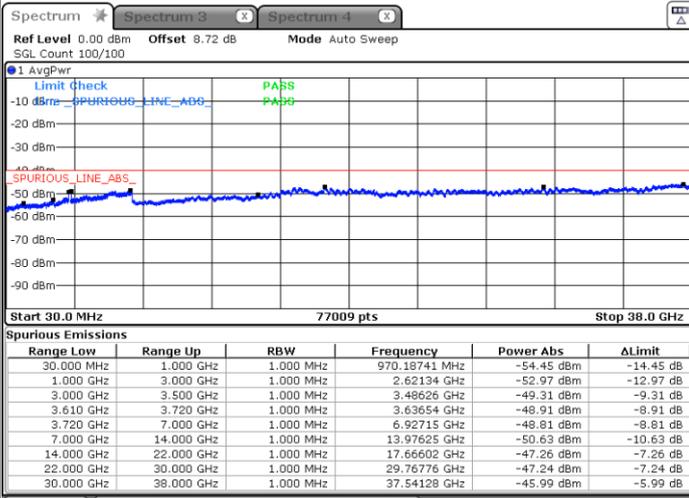


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

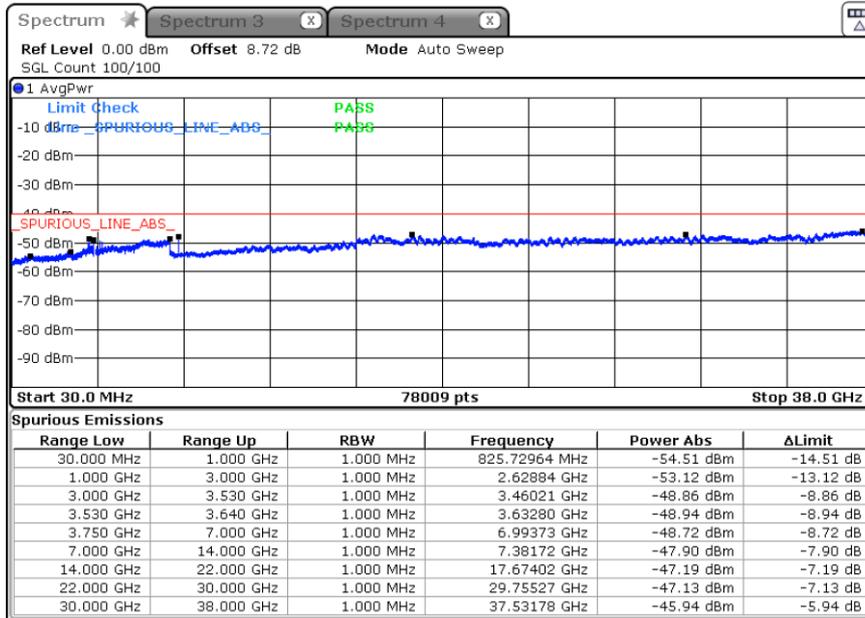
Middle Channel



Date: 30.NOV.2021 19:54:30

Date: 30.NOV.2021 19:59:47

Highest Channel



Date: 30.NOV.2021 20:01:28

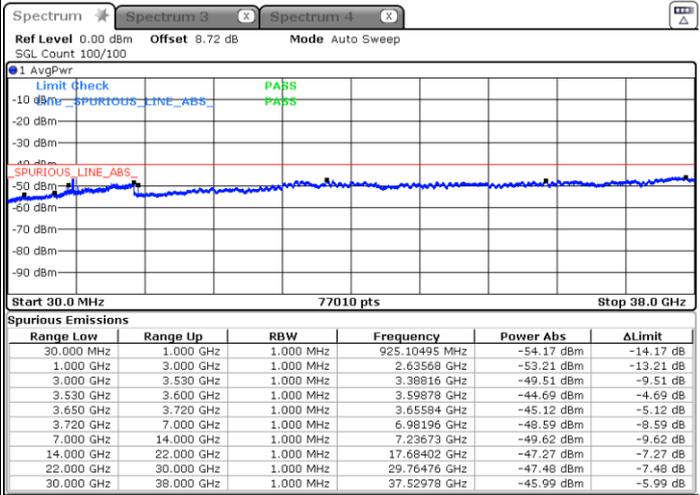
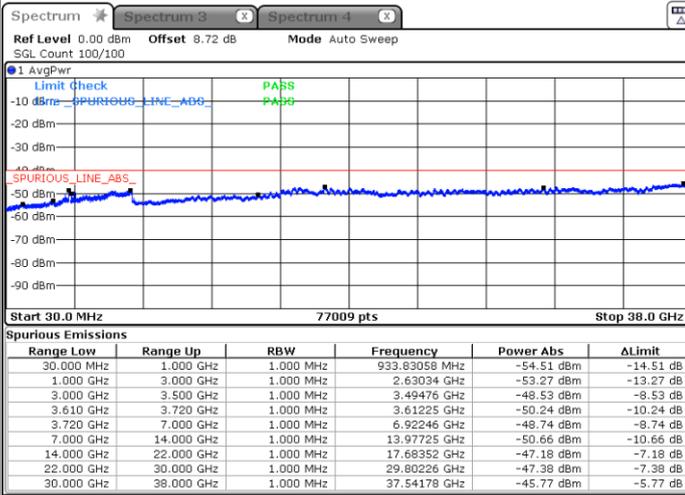


LTE Band 48 / 15MHz

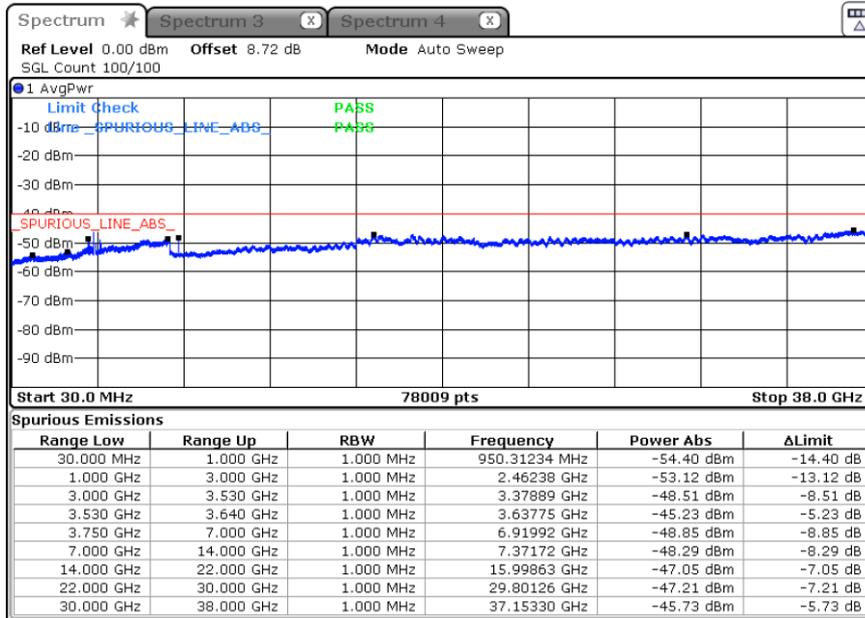
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



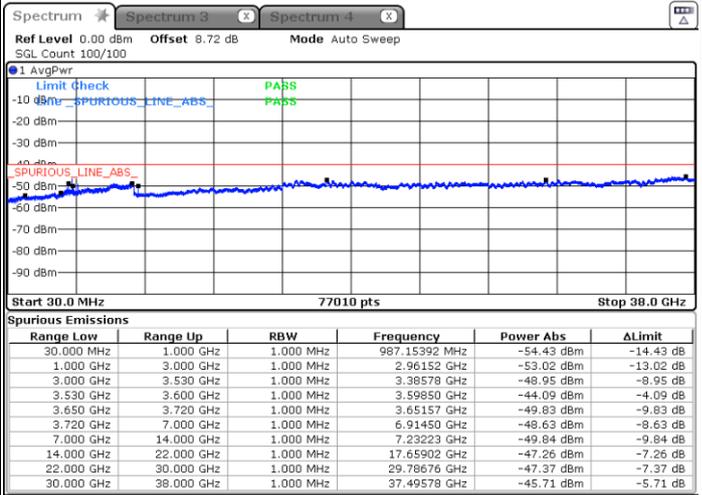
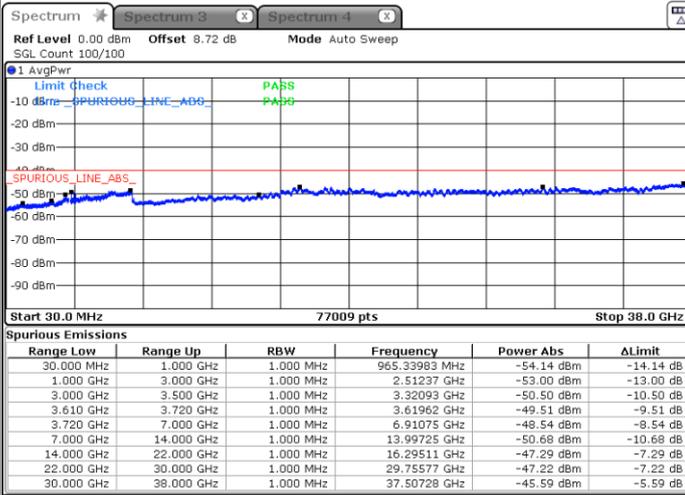


LTE Band 48 / 20MHz

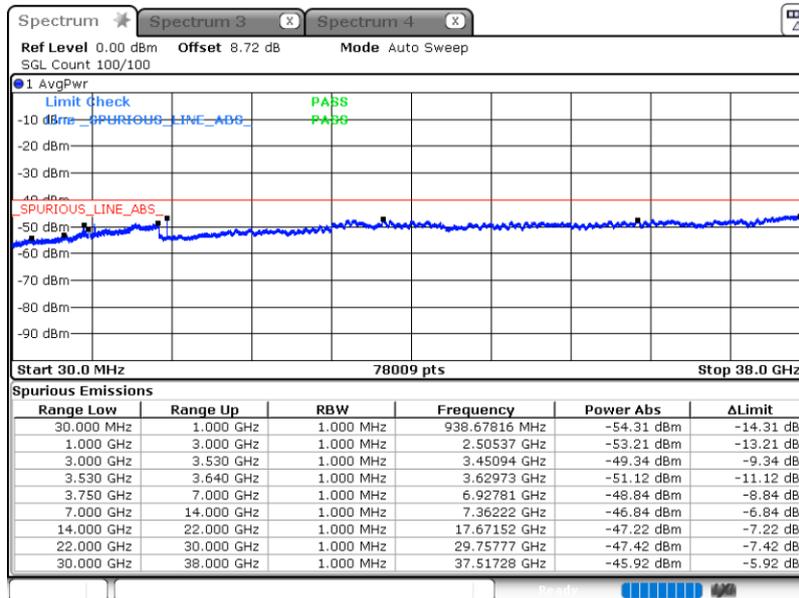
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel





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	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.6V. ; Maximum Voltage = 4.3V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 48 / 20MHz / QPSK for Ant.12								
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	-58.35	-40	-18.35	-69.81	2.84	14.30	H
	10848	-57.74	-40	-17.74	-67.68	3.49	13.43	H
	14466	-59.93	-40	-19.93	-70.17	3.85	14.09	H
	7230	-61.20	-40	-21.20	-72.66	2.84	14.30	V
	10848	-58.07	-40	-18.07	-68.01	3.49	13.43	V
	14466	-59.46	-40	-19.46	-69.70	3.85	14.09	V

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