

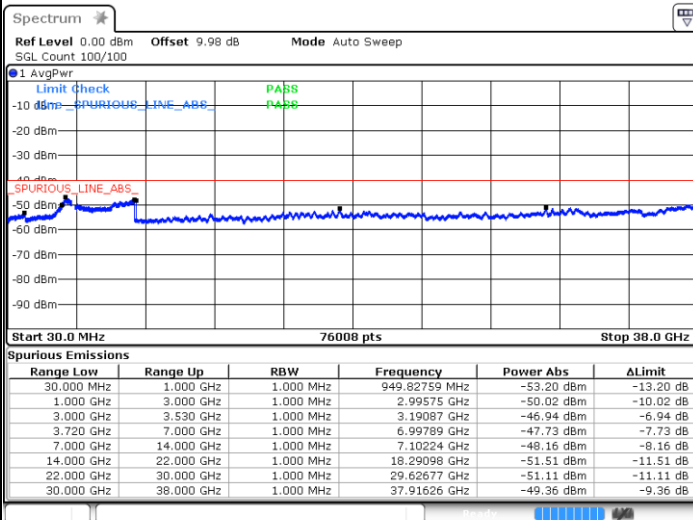


LTE Band 48 / 20MHz

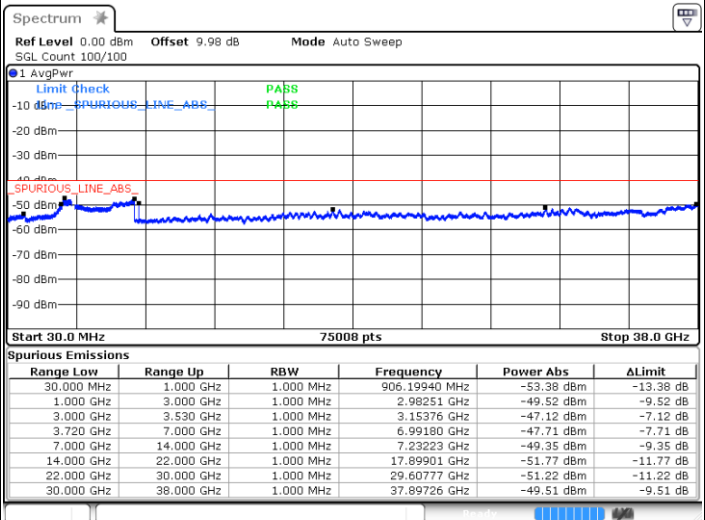
64QAM

Lowest Channel / 1RB0

Middle Channel / 1RB0



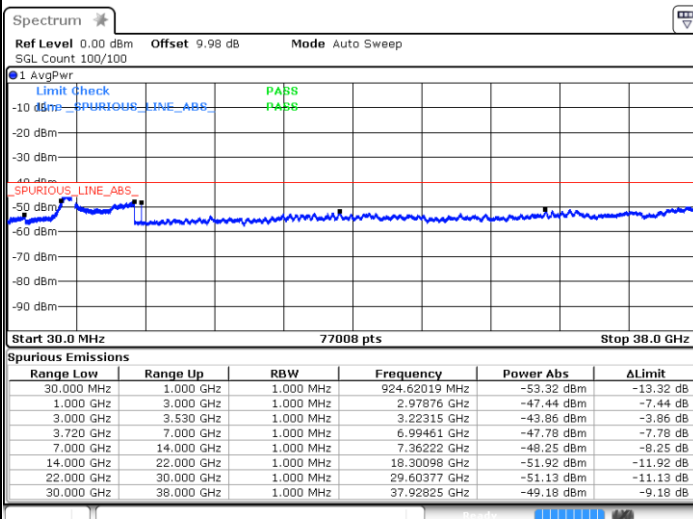
Date: 4 APR 2020 05:32:29



Date: 4 APR 2020 05:41:13

Highest Channel / 1RB0

N/A



Date: 4 APR 2020 05:48:19

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	0.0007	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =24 V. ; Battery End Point (BEP) =22 V. ; Maximum Voltage =26 V.
2. 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)
Lowest	7104	-43.62	-40	-3.62	-55.08	2.84	14.30	H
	10650	-56.22	-40	-16.22	-66.16	3.49	13.43	H
	14202	-55.22	-40	-15.22	-65.46	3.85	14.09	H
	7104	-45.16	-40	-5.16	-56.62	2.84	14.30	V
	10650	-57.41	-40	-17.41	-67.35	3.49	13.43	V
	14202	-54.38	-40	-14.38	-64.62	3.85	14.09	V
Middle	7230	-46.32	-40	-6.32	-57.78	2.84	14.30	H
	10848	-55.97	-40	-15.97	-65.91	3.49	13.43	H
	14466	-51.79	-40	-11.79	-62.03	3.85	14.09	H
	7230	-50.38	-40	-10.38	-61.84	2.84	14.30	V
	10848.27	-59.18	-40	-19.18	-69.12	3.49	13.43	V
	14466	-50.68	-40	-10.68	-60.92	3.85	14.09	V
Highest	7362	-47.55	-40	-7.55	-59.01	2.84	14.30	H
	11040	-56.89	-40	-16.89	-66.83	3.49	13.43	H
	14724	-50.59	-40	-10.59	-60.83	3.85	14.09	H
	7362	-49.94	-40	-9.94	-61.40	2.84	14.30	V
	11043.27	-59.02	-40	-19.02	-68.96	3.49	13.43	V
	14724	-50.68	-40	-10.68	-60.92	3.85	14.09	V

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