4.3 Indicative current requirements

Table 11 lists examples of the total system supply current for a possible application.

☞ Values in Table 11 are provided for customer information only as an example of typical power requirements. Values are characterized on samples, actual power requirements can vary depending on FW version used, external circuitry, number of SVs tracked, signal strength, type of start as well as time, duration and conditions of test.

Parameter	Symbol	Module	Typ GPS & GLONASS	Typ GPS	Max	Units	Condition
Max. supply current [14]	Iccp	All			67	mA	
Average supply current [15, 16]	Icc Acquisition[17]	NEO-M8N	32	25		mA	Estimated at 3 V
		NEO-M8M	24	19		mA	
		NEO-M8Q	30	24		mA	
	Icc Tracking (Continuous mode)	NEO-M8N	30	23		mA	Estimated at 3 V
		NEO-M8M	21	17		mA	
		NEO-M8Q	28	23		mA	
	Icc Tracking (Power Save mode / 1 Hz)	NEO-M8N	13	12		mA	Estimated at 3 V
		NEO-M8M	5.3	4.8		mA	
		NEO-M8Q	11.5	11.1		mA	

Table 11: Indicative power requirements at 3.0 V

☞ For more information about power requirements, see the *NEO-8Q / NEO-M8 Hardware Integration Manua* [1].

☞ For more information on how to noticeably reduce current consumption, see the *Power Management Application Note* [5].