

4.2.3 Current consumption

Mode	Condition	Tx power	Module	Min	Typ ¹¹	Max	Unit
Power-off mode	Average current value (power-off mode)	--	SARA-R510S		0.5		μA
			SARA-R500S		62		μA
			SARA-R510M8S				
PSM deep-sleep mode	Average current value (PSM deep-sleep mode)	--	SARA-R510S		0.5		μA
			SARA-R500S		62		μA
			SARA-R510M8S				
Cyclic idle / active mode (+UPSV=1)	Average current value (rock bottom)	--	All		1.0		mA
	Average current value (DRX = 2.56 s, PTW = 20.48 s, eDRX = 655.36 s)	--	All		1.1		mA
	Average current value (DRX = 2.56 s, PTW = 20.48 s, eDRX = 81.92 s)	--	All		1.2		mA
	Average current value (DRX = 2.56 s, PTW = 5.12 s, eDRX = 20.48 s)	--	All		1.2		mA
	Average current value (DRX = 2.56 s, no eDRX)	--	All		1.5		mA
	Average current value (DRX = 1.28 s, no eDRX)	--	All		2.0		mA
Active mode (+UPSV=0)	Average current value (DRX = 1.28 s)	--	All		25		mA
LTE Cat M1 connected mode	Average current value (Tx / Rx data transfer)	Minimum (-50 dBm)	All		95		mA
		0 dBm	All		100		mA
		8 dBm	All		115		mA
		14 dBm	All		140		mA
		20 dBm	All		170		mA
		Maximum (23 dBm)	All		195		mA
	Maximum current value (During Tx only)	Maximum (23 dBm)	All		395		mA

Table 11: VCC current consumption of SARA-R5 series modules with GNSS off