

	SIGFOX UNB	COMPETITION GSM/Cellular	COMPETITION Proprietary ISM Technology
DENSITY of ANTENNAS TO COVER A CITY (1M inhabitants)	3	60	200
DENSITY of ANTENNAS TO COVER a 1000 km ² RURAL AREA	1 to 3 per 1000 km ²	10 to 20 per 1000km ²	200 to 500 per 1000km ²
DENSITY of OBJETCTS / BASE STATION	High +	Low	Medium
SENSITIVITY	High +	Low	High
POWER CONSUMPTION (in μ W)	50 μ W mono / 100 μ W bidir	5000 μ W	150 to 700 μ W
RADIATED POWER / EM POLLUTION	Very Low	Medium to high	Low
TYPICAL STAND-BY TIME (in years) for 2.5 Ah battery	20	0,2	2 to 10
SECURITY LEVEL	High	High +	High
SIGNAL PENETRATION into buildings	High	Medium	Medium +
VERSATILITY	Worldwide	Subject to license	Subject to local spectrum allocation
MODEM COST ESTIMATION (with silicon integration)	Below 1\$	10\$	Between 5 and 10 \$
TYPICAL COMMUNICATIONS COST (yearly subscription + traffic per device)	< 3\$	30\$	No operator available