ShortLink IPs 2015-02-10					
Category	**Block**	**Specifications 1**	**2**	**3**	**Silicon proven**
RF	Transceiver 2.4G	2.45GHz	1.8 to 3.6 V supply	250kbps, 500kbps and 1Mbps	
	Transceiver 868/915M	868/915 MHz	1.8 to 3.6 V supply	1.2k to 500 kbps data rate	Yes
	Receiver 868/915M	868/915 MHz	1.8 to 3.6 V supply	1.2k to 500 kbps data rate	Yes
	Transmitter 868/915M (PLL based)	868/915 MHz	1.8 to 3.6 V supply	1.2k to 500 kbps data rate	Yes
	Transceiver 433M	433 MHz	1.8 to 3.6 V supply	128 kbps data rate	Yes
	Receiver 433M	433 MHz	1.8 to 3.6 V supply	128 kbps data rate	Yes
	Transmitter 433M (PLL based)	433 MHz	1.8 to 3.6 V supply	128 kbps data rate	Yes
	PLL fractional-N	900 / 1800 MHz	1.8 to 3.6 V supply		Yes
	RF Front-End (LNA&Mixer)	868/915 MHz	1.8V supply		Yes
Analog	ADC, Sigma Delta	14 bit	8.5 MSPS	1.8V supply	Yes
	Microphone Input (Audio Amplifier and ADC)	20kHz audio Bandwidth	70 dB SNR	1.8V supply	Yes
	Audio DAC, Sigma Delta	20kHz audio Bandwidth	>80 dB SNR	1.8V supply	Yes
	Speaker Driver, Class A/B	20kHz audio Bandwidth	1.0 to 2.2V supply	1.8V supply	Yes
	Bandgap reference	1.2V output	1.8 to 3.6 V supply		Yes
	Voltage regulator	Output Voltage 1.2 to 1.9 V	1.8 to 3.6 V battery supply	50mV voltage drop	Yes
	Crystal Osciallator	20 to 36 MHz	1.8 to 3.6 V supply		Yes
Power	DC/DC Buck Converter	Output voltage 0.9 to 3.6V and 1.0A	Supply 3.0 to 5.5 V	Efficency up to 95%	Yes
Digital	SPI-interface				Yes
	I2C-interface				Yes
	PCM/I2S interface				Yes
	Audio Signal Processing (Noise reduction, Equalizer, AGC and Beam-former)		20kHz audio Bandwidth		Yes