





SDR Comparison Sheet

	Polarizone	Polarizone(High Spec)	Competitor 1	Competitor 2
SDR Picture				
FPGA board	Spartan-III	Virtex-IV	Virtex-II	Virtex-II
ADC	Dual 12 bits, 53 Msp/s	Dual 14 bits, 125 Msp/s	Dual 14 bits, 105 Msp/s	Dual 14 bits, 105 Msp/s
DAC	Dual 12 bits, 165 Msp/s	Dual 16 bits, 500 Msp/s	Dual 16 bits, 400 Msp/s	Dual 16 bits, 500 Msp/s
RF Range	Single band, 2.4 GHz – 2.5 GHz	Dual band, 2.4 GHz – 2.5 GHz, 5.7 GHz – 5.8 GHz	Purchase separately, Not compatible with WiFi and WiMAX	-
RF Output Power	Up to 4 Watts	Up to 4 Watts	Up to 250 mWatts	-
DSP	No	Yes	Yes	No
IF	Zero	Zero	70 MHz	160 MHz
Data Inputs Port	GPIOs, RS 232, USB, Ethernet	GPIOs, RS 232, USB, Ethernet	PCI	PCI
Integration	Fully integrated	Fully integrated	RF, antennas, software etc. purchase separately	Not fully integrated
Source code	Provided	Provided	Not provided	Not provided