Table I: Software Product Matrix

Product	Bandscope width [max]	Linux	Windows	Receive	Transmit	Xpol Receive	Hardware	Noise Reduction	Open Source
Linrad	No Limit [Hardware-determined]	Yes	Yes	Yes	Can control external transceiver frequency	Yes	WSE SDR-14 SDR-IQ Any I/Q	Yes	Yes
Winrad	192 kHz	No	Yes	Yes	External I/O dll available	No	WSE SDR-14 SDR-IQ Any I/Q	Yes	No
PowerSDR	192 kHz	No	Yes	Yes	Yes	No	SDR-1000 Flex-5000 Softrock Any I/Q [rx]	Yes	Yes
Rocky	96 kHz [some cards won't work properly at 96 kHz]	No	Yes	Yes	User implemented	No	Softrock40 Any I/Q	No	No
DttSP	Depends on Software and Hardware	Yes	Yes	Yes	Yes	No	SDR-1000 Flex-5000 Any I/Q [rx]	Yes	Yes
SpectraVue	30 MHz w/no demod 150 kHz w/demod	No	Yes	Yes	No	No	SDR-14 SDR-IQ Any I/Q	"NB"	No

Table II : Software Product Matrix Part 2

Product	Effectiveness	Versatiliity	Learning Curve	Special Hardware To Calibrate	Multiple Instances *
Linrad	Smart/Dumb Noiseblanker combination is unsurpassed. Filters are very effective.	Extremely adaptable; several pages of parameters which can be adjusted.	Steep, due to versatility. To begin, just accept the default parameters and go. Documentation is voluminous but sometimes opaque.	Using Smart Blanker requires calibration with a pulser producing 5 volt pulses at prf 100-200 Hz, duration 5 nsec. I use TekPG50B 50 MHz pulser set to prf 200 Hz, no delay, 0.1 ms duration, 5 ns transition time, and 5 volts	Yes.
Winrad	Good.	Good.	Fairly simple to learn.	No	Yes.
PowerSDR	Very Good	Very Good.	Easy learning curve, well documented	No.	Should be possible with new versions.
Rocky	Signal enhancement is rudimentary [bandpass filters].	Not designed for weak signal work.	Simple.	No.	No.
DttSP	Signal enhancement is under construction.	Good.	Steep, not well documented.	No.	Yes.
SpectraVue	Signal enhancement is rudimentary [bandpass filters].	Not designed for weak signal work.	Simple.	No	No.

* http://groups.yahoo.com/group/softrock40/message/5593

Table III: Hardware Product Matrix

Product	Bandscope width [max]	Software	Receive	Transmit	Xpol Receive	Frequency Range	IP3 [dBm]	Price	Image Rejection
WSE SM5BSZ	96 kHz	Linrad / Any	Yes	No	Yes	Ham Bands 160-20M, 2M	2M: > +27 HF: +32	$2200 [variable due to SEK/$]	Excellent
Flex-5000	192 kHz	PowerSDR	Yes	Yes	No	1.8 - 60 MHz 12 kHz-60 MHz receive	+33	$2499	Excellent
SDR-1000	192 kHz	PowerSDR	Yes	Yes	No	1.8 - 60 MHz 12 kHz-60 MHz receive	+26	Not Available	Excellent
SDR-1000 clone KDG-SR100	192 kHz	PowerSDR	Yes	Yes	No	1.8-60 MHz 12 kHz-60 MHz receive	+9	$860	Excellent
SDR-14	190 kHz 30 MHz w/o demod	SpectraVue Linrad Winrad/Any	Yes	No	No	50 kHz-30 MHz [50 kHz-230 MHz direct]	NA	$1100	Excellent
SDR-IQ	190 kHz	SpectraVue Linrad Winrad/Any	Yes	No	No	500 Hz-30 MHz	+15 [with dither]	$400 OEM board $500 boxed*	Excellent
Softrock	Software-dependent	Rocky Linrad/Any	Yes	Some models	Possible with two	160-30M 10M sold out.	varies by model 30M: +18	$36 for 160M or 20/30M xcvr	Poor to Fair
Time Machine	Software-dependent	Linrad Winrad/Any	Yes	No	No	160-10M with appropriate filters		$135 kit $170 assembled	Fair
HPSDR/ TAPR Atlas/ Ozy/Janus	192 kHz	PowerSDR	Yes	Yes	No	Used with SDR-1000 [see text]	N/A	$356 $325 disc.	Excellent