RPR-4000 Standard Configurations

	RPR-4000-VHP	RPR-4000-HP		RPR-4000	RPR-4000-HD
Pulser Configuration:	**Very High Power**	**High Power**		**Standard**	**High Duty Cycle**
		Option 1	***Option 2***		
Maximum Output Level[1]:	20 KW PEP	**15 KW PEP**	**15 KW PEP**	8 KW PEP	400 W PEP
Equivalent Output Voltage:	*~2850 Vp-p*	***~2450 Vp-p***	***~2450 Vp-p***	*~1800 Vp-p*	*~400 Vp-p*
Level Control:	>30dB	>30dB	>30dB	>30dB	>30dB
Maximum Duty Cycle:	0.6%	0.30%	0.30%	1%	**10%**
Maximum Pulse Width:	100 microseconds	200 microseconds	100 microseconds	200 microseconds	5 miliseconds
Optimum Frequency Ranges (std.):	50 kHz - 0.5 MHz	50 kHz - 0.5 MHz	250 kHz - 2.5 MHz	250 kHz - 5 MHz	100 kHz - 10 MHz
Optional Frequency Range	0.25 MHz - 1 MHz			50 kHz - 1 MHz	50 kHz - 2 MHz
Bandwidth @ Maximum Output[2]:	~1 decade	~1 decade	~1 decade	~1 decade	**~2 decades**
Internal Diplexer	No	No	No	**Yes**	**Yes**
Signal Sources:	Internal Synthesizer or External RF				
Protection:	Over-Current / Temperature / Duty Cycle / Voltage				

Receiver Configuration:	**High Frequency Receiver (HFR)**
Maximum Gain:	100dB
Gain Control:	22-100dB in 0.4dB Steps
Inputs:	2 (multiplexed)
High Pass Filters[3]:	8
Low Pass Filters[3]:	8
Maximum Bandwidth[4]:	50 KHz to 80 MHz
Input Impedance:	50 Ohms
Output Impedance:	50 Ohms

Miscellaneous	
Control:	Manual Controls or Computer Control via RS-232
Packaging:	19" Rack-Mount (4U High)
Dimensions(WHD):	482.6mm x 178mm x 432mm
Weight:	~15 kg

Notes:

[1] PEP(Peak Envelop Power) measured into a 50 Ohm load and calculated by PEP=$Vpeak^2$ / 2R

[2] Bandwidth @ Maximum Output assumes Min. Frequency no less than 25 KHz, Max Frequency no more than 7 MHz

[3] Filters Values are set to correspond with the Pulse Source's Optimum Frequency Range. Custom Values Available.

[4] Maximum Bandwith is often constrained through the use of filters.