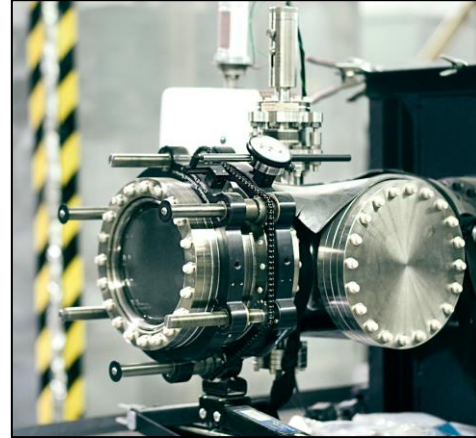




HIGH POWER MICROWAVE SOURCES

SARA offers a series of High Power Microwave sources for multiple applications.

- Up to 100 MW Output Power
- Thermally Robust Materials
- High Repetition Rates
- Ultra-High Vacuum (20 L/s Ion Pump)
- Sealed-Tube Technology
- L-, S-, and C-Band Frequency Outputs
- Frequency Stable (*No Chirping*)



	<i>Base Model</i>	<i>3-Frequency Option</i>	<i>Multi-Band Option</i>
<i>Peak Power</i>	100 MW	100 MW	100 MW
<i>Frequency Output</i>	Single Frequency (1.5 or 4.0 or 4.6 GHz)	3-Frequency (1.5 and 4.0 and 4.6)	Multi-Frequency (1.5, 2.1, 4.0, 4.6, 5.8 GHz)*
<i>Bandwidth</i>	<100 MHz	<100 MHz	<100 MHz
<i>Dominant Mode</i>	TE ₁₁ -Circ	TE ₁₁ -Circ	TE ₁₁ -Circ
<i>Base Vacuum</i>	10 ⁻⁹ Torr	10 ⁻⁹ Torr	10 ⁻⁹ Torr
<i>Repetition Frequency</i>	Up To 500 Hz [†]	Up To 500 Hz [†]	Up To 500 Hz [†]
<i>Pulse Width</i>	20 – 250 ns [‡]	20 – 250 ns [‡]	20 – 250 ns [‡]
<i>Max Anode Temperature</i>	2,000 K	2,000 K	2,000 K
<i>Peak E-Field at 2-meter</i>	150 kV/m [§]	150 kV/m [§]	150 kV/m [§]
<i>Avg. E-Field at 2-meter 1 m² Spot</i>	100 kV/m [§]	100 kV/m [§]	100 kV/m [§]
<i>Est. MTBM</i>	>1,000,000**	>1,000,000**	>1,000,000**
<i>Weight</i>	<75 lbs	<75 lbs	<150 lbs
<i>Est. Lead Time</i>	12-16 wks	12-16 wks	16-20 wks

*Note: Supporting Marx generators, control systems, antennas, and trigger systems options are available.
 For more information regarding any products or services, please call, email, or visit the SARA corporate website.*

Phone: 719-302-3117 | Email: cos-po@sara.com

* More options available upon request.

† Tested with a 50 ns pulse width at 500 Hz for a 2-second dwell time with a 5-minute cool down time.

‡ Without frequency chirping or hopping.

§ Measured without an antenna.

** Based on 500 Hz PRF, 50 ns pulse width, 2-second dwell time, 5-minute cool down and anode temperature <2,000 K