

Supporting Information: Control and Manipulation of Microwave Polarization, and Power of a frequency-agile 198 GHz Gyrotron for Magnetic Resonance

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Comparison between theoretically calculated and measured power at the end of the quasi optical system

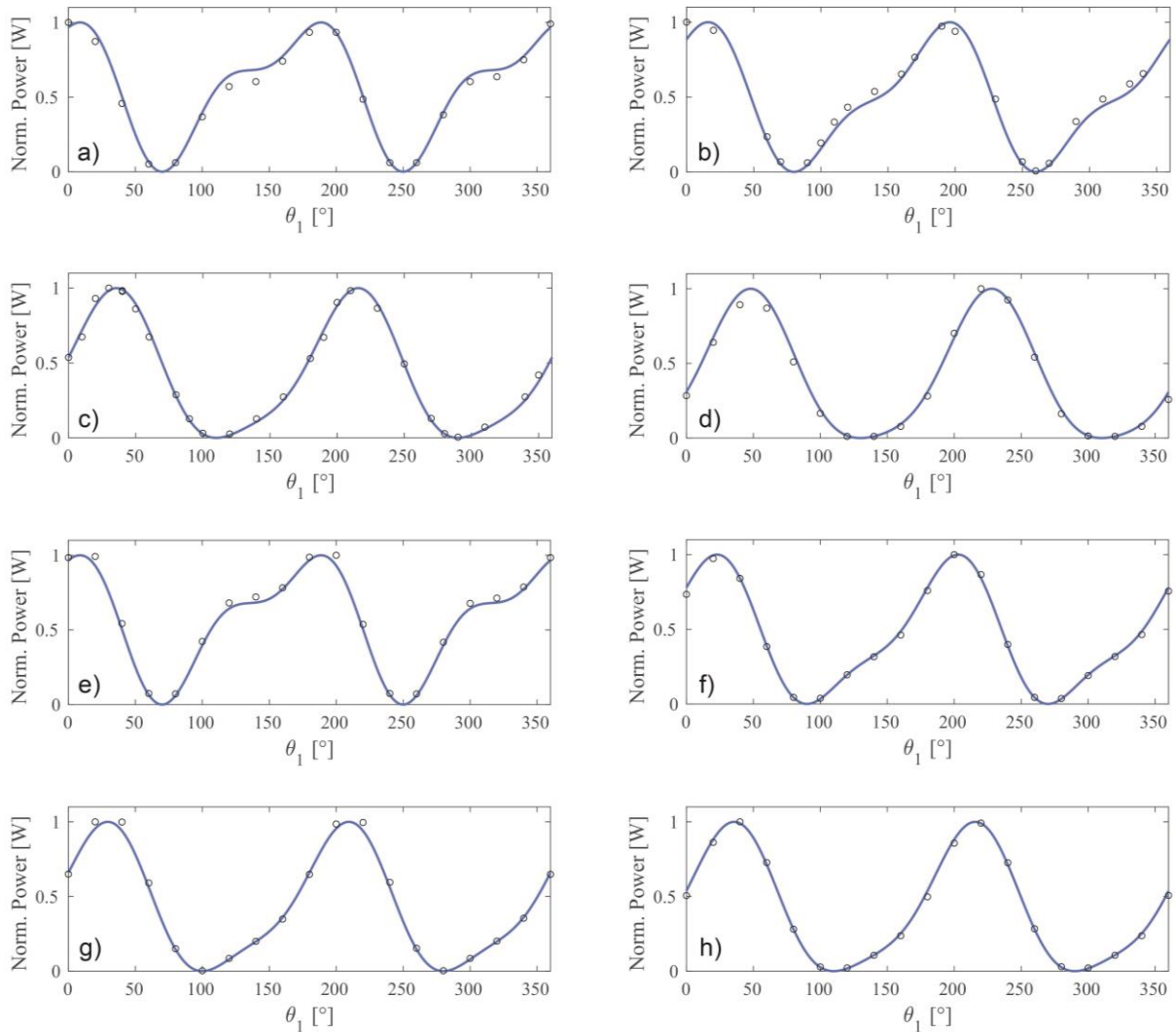


Figure S1: Measured power as a function of the angle θ_1 of RWGP1 for a fixed RWGP2 (a) $\theta_2 = 70^\circ$, b) $\theta_2 = 80^\circ$, c) $\theta_2 = 110^\circ$ and d) $\theta_2 = 130^\circ$, e) $\theta_2 = 70^\circ$, f) $\theta_2 = 90^\circ$, g) $\theta_2 = 100^\circ$, h) $\theta_2 = 110^\circ$) is displayed with black circles. The blue curves correspond to the theoretically calculated power using the parameters for which the global error is minimum. a)-d) were recorded with the gyrotron being operated at 8.25 kV and e)-h) correspond to the measurements performed at an accelerating voltage of 9.5 kV.