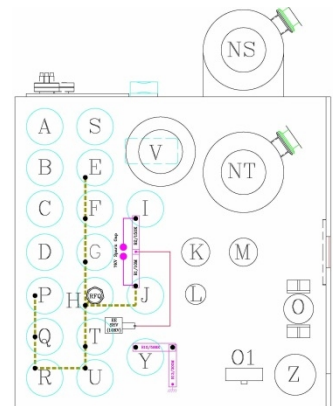


Target Module #4 Surface Source

Electrical & Vacuum Tests before Installation of Module in MAA – Target Installed (At Hot Cell)

Shunts & Leak Check

Shunts Installed & Tightened			E→F→G→H→T→J→P→ Q→R→U→RFQ (H)
Repeller Bias Shunt Installed	H		Bias Not Used
Anode Bias Shunt Installed	H		Bias Not Used
Leak Check Heat Shield	J		



Target & Source Test with Surface Source Target Installed

Test	Circuit	Oven & Transfer Tube	Extraction Electrode	60KV Common	Einzel	Chassis		
		B↔C↔D	I	T	Y			
OHMMETER (Ω)	Oven (TGHT)	A	Meas	0	OL	OL	OL	OL
			Expct	≈0	∞	∞	∞	∞
	60KV Common	T	Meas		OL		OL	OL
			Expct		≈10MΩ		∞	∞
	Chassis		Meas		OL		OL	
			Expct		∞		300MΩ	
MEGGER (Ω) (500V Max)	Oven	A	Meas		449M	5M	950M	231M
			Expct		∞	∞	∞	∞ <i>2500V</i>
	60KV Common	T	Meas		400M		970M	227M
			Expct		∞		∞	1G
	Einzel	Y	Meas					910M
			Expct					300MΩ <i>2500V</i>