

**TM#4 FEBIAD Source Electrical Check with Target Attached and No External Connections**

Shunts installed and tightened E-F-G-H-T-J-RFQ(H): **YES**

**Ohm Meter Check**

	Target(A,B,C,D)	Einzel Lens (Y)	60kV Common(T)	Chassis	EE (I)
Magnet Coil (U,Q)	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite
Anode (H)	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite
60kV Common (T)	$\infty$ infinite	$\infty$ infinite			
Chassis	$\infty$ infinite	$\infty$ 300M $\Omega$	$\infty$ infinite		
EE (I)	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	$\infty$ infinite	
Einzel Lens (Y)	$\infty$ infinite				

**Conductance Check (milli ohms)**

	A	B	C	D	Magnet Coil Q
A		4.827	5.323	4.477	
B			5.084	4.230	
C				4.670	
D					
Magnet Coil U					4.398

**Megger Test (all voltages are at 500volts unless noted)**

	Target(A,B,C,D)	Einzel Lens (Y)	60kV Common(T)	Chassis	EE (I)
Anode (H)	6.444M infinite	$\infty$ infinite	0.822M infinite	$\infty$ infinite	$\infty$ infinite
Target (A,B,C,D)					$\infty$ infinite
60kV Common (T)	0.343M infinite				$\infty$ infinite
Chassis	$\infty$ infinite at 1000V	$\infty$ 300M $\Omega$ at 1000V	$\infty$ infinite		$\infty$ infinite
Einzel Lens (Y)	$\infty$ infinite		$\infty$ infinite		$\infty$ infinite

Date: September 4, 2012

Tester: TRAVIS CAWIE

Target: Ni O #1

Test location: Conditioning Station

Anode  $\rightarrow$  coil 0.635M  
 coil  $\rightarrow$  Targ 0.267M  
 coil  $\rightarrow$  60kV com ~~0.343M~~ 0.967M  
 coil  $\rightarrow$  Chassis  $\infty$  7.31M