

**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) :

**Ohm Meter Check**

	Target(A,B,C,D)	Einzel Lens (Y)	60kV Common(T)	Chassis	EE (I)
Magnet Coil (U,Q)	OL infinite	OL infinite	OL infinite	OL infinite	OL infinite
Anode (H)	OL infinite	OL infinite	OL infinite	OL infinite	OL infinite
60kV Common (T)	OL infinite	OL infinite			
Chassis	OL infinite	OL 300MΩ	OL infinite		
EE (I)	OL infinite	OL infinite	OL infinite	OL infinite	
Einzel Lens (Y)	OL infinite				

**Conductance Check (milli ohms)**

	A	B	C	D	Magnet Coil Q
A		5.133mS	5.930mS	4.128mS	
B			5.997mS	4.182mS	
C				4.917mS	
D					
Magnet Coil U					

**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)	461 kS infinite	OL infinite	44 kS infinite	570M infinite	OL infinite
Target (A,B,C,D)					OL infinite
60kV Common (T)	835 kS infinite				OL infinite
Chassis	554MS infinite at 1000V	OL 300MΩ at 1000V	512MS infinite		OL infinite
Einzel Lens (Y)	OL infinite		OL infinite		OL infinite

Date: Jan 18 2013      Tester: Cave + Wang  
 Target: CS Test Target #1      Test location: SHC

Target to coil      934 kS  
 60kV to coil      444 kS