

4.1 TM3/ FEBIAD with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	
FEBIAD coil shunts removed P-Q-R-U	

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)	✓	✓	✓	✓	✓
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode (H)	✓	✓	✓	✓	✓
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	✓	✓			
	Infinite	Infinite			
Chassis	✓	✓	✓		
	Infinite	Infinite	Infinite		
EE (I)	✓	✓	✓	✓	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	✓				
	Infinite				

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H) <i>F Plasma</i>	398kΩ	OL	OL	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T) <i>E</i>	500kΩ	OL			
	Infinite	Infinite			
Chassis	OL	OL	OL		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	OL	OL	OL	OL	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OL				
	Infinite				

Coil

OL

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q - U
6.78	5.80	5.56	5.39	5.14	4.72	4.93
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	4 - 5

Backg. leak rate:	3E-9	HS leak rate:	3E-9
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: <i>FEBIAD Test</i>	Date: <i>2015-11-12</i>
Location: <i>SHC (CS) SHCpost</i>	Signature: <i>AM</i>