4.1 TM3/~~4~~ 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)	240k 43V Infinite	0L Infinite	83k Infinite 150V	90k Infinite	0L Infinite
60kV Common (T)	161k Infinite	0L Infinite			
Chassis	141M 500 Infinite @ ~~1000V~~	0L Infinite @ ~~1000~~ 500	164 Infinite		
EE (I)	0L Infinite	0L Infinite	0L Infinite	0L Infinite	
Einzel Lens (Y)	0L Infinite				

Conductance Check [mΩ]						
A – B	A – C	A – D	B – C	B – D	C - D	Q-U
4 - 5.7	5 - 6.8	4- 5.3	5 - 6.8	4 - 5.3	4- 5.5	4- 5

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

Target: FEBIAD Test	**Date:** 2015-11-16
Location: SHC CS SHCpost	**Signature:** AM