

### 4.2 <sup>2</sup> TM3/4 SIS with Target and No External Connections

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

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

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)					
60kV Common (T)					
Chassis	358 M Infinite @ 1000V	OL Infinite @ 1000V	360 M Infinite		
EE (I)	386 M Infinite	OL Infinite	400 M Infinite		
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
5.81ma 4 - 5.7	6.358 5 - 6.8	5.274 4 - 5.3	6.071 5 - 6.8	5.003 4 - 5.3	5.147 4 - 5.5	

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

Target: UC # 25	Date: Jan 9 <sup>th</sup> 2019
Location: SHC CS SHCpost	Signature: <i>[Signature]</i>

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FRANK S.