4.2 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	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)	2.24M Infinite	OL Infinite			
Chassis	420M Infinite @ 1000V	OL Infinite @ 1000V	392M Infinite		
EE (I)	1.1 G Infinite	OL Infinite	1.1G Infinite	1.0G Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]

A – B	A – C	A – D	B – C	B – D	C - D	
ohmeter ← 0	0	0	0	0	0	
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	

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

Target:	Ta #52	**Date:**	June 26 2017
Location:	(SHC) CS SHCpost	**Signature:**	D WANG

4.2 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	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)	227K Infinite	OL Infinite			
Chassis	OL Infinite @ 1000V	OL Infinite @ 1000V	OL Infinite		
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	
Einzel Lens (Y)	OL Infinite				

1G1
1.1×10^{-6} torr

Conductance Check [mΩ]

A – B	A – C	A – D	B – C	B – D	C - D
5.145	5.912	4.691	5.628	4.405	5.129
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5

Backg. leak rate:	2.0×10^{-9}	HS leak rate:	2.0×10^{-9}
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target:	Ta #52	**Date:**	June 28 2017
Location:	SHC (CS) SHCpost	**Signature:**	TCHU DWANG

under 1G1
Vacuum 1.1×10^{-6} torr