

Target Module with Target Check		
Document-75583	Release No. 01	Release Date: 2013-03-25

#### 4.1 TM4 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 Coll (U, Q)	OL	OL	OL	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode (H)	OL	OL	OL	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	OL	OL			
	Infinite	Infinite			
Chassis	OL	OL	OL		
	Infinite	Infinite	Infinite		
EE (I)	OL	OL	OL	OL	
	Infinite	Infinite	Infinite	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)	278K $\Omega$	OL	7.14M	534M	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	17K	OL			
	Infinite	Infinite			
Chassis	514M	OL	514M		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	OL	OL	OL	OL	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OL				
	Infinite				

Conductance Check [m $\Omega$ ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
4.954	5.387	4.362	5.082	4.056	4.449	4.676
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5	< 5

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

Target: SiC # 29	Date: Sept 12 2019
Location: SHC CS SHCpost	Signature:

*No Module/Target failure.*