

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 Coil (U, Q)	OL Infinite	OL Infinite	752.5Ω Infinite	OL Infinite	OL Infinite
Anode (H)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	OL Infinite
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)	710K Infinite	OL Infinite	63K Infinite	425MΩ Infinite	1GΩ Infinite
60KV Common (T)	280K Infinite	OL Infinite			
Chassis	424MΩ Infinite @ 1000V	OL Infinite @ 1000V	425MΩ Infinite		
EE (I)	1GΩ Infinite	425MΩ Infinite	1GΩ 425MΩ Infinite	927MΩ Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
4.932 < 5.7	5.221 < 6.8	4.339 < 5.3	4.872 < 6.8	3.998 < 5.3	4.242 < 5.5	4.547 < 5

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

Target: SIC # 29	Date: July 24 2013
Location: SHC CS SHCpost	Signature: T. CAVE