

Target Module with Target Check		
Document-75583	Release No. 1	Release Date.: 2013/12/11

#### 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)	0 Infinite	OL Infinite	OL Infinite	OL Infinite	OL Infinite
Anode (H)	Infinite	Infinite	Infinite	Infinite	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)	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	526M Infinite	OL Infinite			
Chassis	463M Infinite @ 1000V	OL Infinite @ 1000V	317M Infinite		
EE (I)	1G Infinite	OL Infinite	1G Infinite	984M Infinite	
Einzel Lens (Y)	OL Infinite				

60kV-PQ  
RU  
522M

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
4.230	5.468	4.696	5.067	4.291	4.932	5.994
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: P2N UC#31	Date: Sept 23 2020
Location: SHC CS SHCpost	Signature: T CAVE D WANG