

### 4.1 TM4 FEBIAD with Target and No External Connections

N:O #2

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	<del>OL</del> infinite	OL infinite	OL infinite
Anode (H) <sup>TM3</sup> <sub>(B)F</sub>	OL infinite	OL infinite	OL infinite	OL infinite	OL infinite
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) <span style="float: right;">1KV</span>					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	47M infinite	OL infinite	OL infinite	OL infinite	OL infinite
60kV Common (T)	49M infinite	OL infinite			
Chassis	OL infinite @ 1000V	OL infinite @ 1000V	OL infinite		
EE (I) <span style="font-size: 2em;">→</span>	OL 500V infinite	OL infinite	OL infinite	OL infinite	
Einzel Lens (Y)	OL infinite				

INDET.  
AT 1KV

Conductance Check [mΩ]						
A-B	A-C	A-D	B-C	B-D	C-D	QU
5.22	4.24	4.15	4.12	4.02	1.82	5.125
< 57	< 68	< 53	< 68	< 53	< 55	< 5

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

Target: N:O #2      Date: Sept. 29 2013  
 Location: SH TCS SHCpost      Signature: *[Signature]*

MEGGER *[Signature]* Page 7 of 9 M Ohm Meter

P → EMN      47Ω      1.32kΩ  
 R → CMN      44Ω      1.32kΩ  
 R → U      6mΩ      P → R      5.73mΩ