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

4.2 TM4 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)	426KΩ Infinite	OL Infinite			
Chassis	725 MΩ Infinite @ 1000V	OL Infinite @ 1000V	702 MΩ Infinite		
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]

A – B	A – C	A – D	B – C	B – D	C - D
7.680	4.698	4.708	6.734	6.739	3.693
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5

Backg. leak rate:	4.6×10^{-9}	HS leak rate:	No response
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: RFQ SiC #28	**Date:** March 26, 2013
Location: (SHC) CS SHCpost	**Signature:**

David Wang

	Expected	ohm	MEGG 250V
C	OL	OL	OL
Z	OL	OL	OL
f	OL	OL	108.6 MΩ
g	OL	OL	36.6 MΩ

up to 250V against ~~gnd~~ common and each other

all other ~~grounded~~ to common

i = 317Ω k = 0 B = 5.6 Ω
e = 11.9Ω h = 18.8Ω
W = 416Ω n = 0
m = 108Ω b = 3.2Ω
j = 35Ω a = 0
d = 210Ω X = 128.8Ω
Y = 5.4Ω

	ohm	MEGG(250)
C -> Z	OL	OL
C -> f	OL	OL
C -> g	OL	OL
Z -> f	OL	OL
Z -> g	OL	OL
f - g	OL	206 MΩ