| 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<br>Infinite | OL<br>Infinite | | | |
| Chassis | OL<br>Infinite | OL<br>Infinite | OL<br>Infinite | | |
| EE (I) | OL<br>Infinite | OL<br>Infinite | OL<br>Infinite | OL<br>Infinite | |
| Einzel Lens (Y) | OL<br>Infinite | | | | |

**Megger Check (all @ 500V unless otherwise noted)**

| | Target (ABCD) | Einzel Lens (Y) | 60kV Com (T) | Chassis | EE (I) |
|---|---|---|---|---|---|
| Anode (H) | | | | | |
| 60kV Common (T) | 262 kΩ<br>Infinite | OL<br>Infinite | | | |
| Chassis | 198 MΩ<br>Infinite @ 1000V | 2 GΩ @ 1000 V<br>Infinite @ 1000V | 198 MΩ<br>Infinite | | |
| EE (I) | 7.13 MΩ<br>Infinite | OL<br>Infinite | 156 kΩ<br>Infinite | 231 MΩ<br>Infinite | |
| Einzel Lens (Y) | OL<br>Infinite | | | | |

**Conductance Check [mΩ]**

| A – B | A – C | A – D | B – C | B – D | C - D |
|---|---|---|---|---|---|
| 5.118 | 5.887 | 4.329 | 6.031 | 4.475 | 5.210 |
| < 5.7 | < 6.8 | < 5.3 | < 6.8 | < 5.3 | < 5.5 |

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

| | |
|---|---|
| **Target:** Ta #40 | **Date:** July 23 2013 |
| **Location:** SHC CS SHCpost | **Signature:** T. CAVE |

D. WANG



Chassis → 60kV 375 MΩ

No Target

FE to 60kV 6.16GΩ
FE to Chassis 6.03GΩ
500V