



SPIRE-AST-COM-002649

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Reference:
HP-ASED-FX-0070-06
Date:
02.03.06

Subject: PFM SVM SPIRE SIH Over-shield Manufacturing

Ref.1: HP-2-ASED-SD-0008

Dear Sirs,

upon the SPIRE EQM Tests results noted in ref.1, we performed during the EQM harness de-integration at OTN a further DVM isolation resistance test between the inner & outer bundle over-shields on all SPIRE SIH-SS-01, -03, -06, -10 und -11 bundles.

The measurements performed on table in sequence and with results

- a. Connect DVM probe to WU SIH connector back-shell & one of the Connector Faraday-cage contacts
=> measured resistance < 1 Ohm

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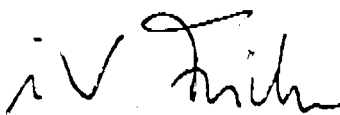
- b. Staggered removal of Screw-lock ground-lug from each SIH WU connectors & bundles several times bent during continuous resistance measurement
=> measured resistance > 20 Mohm
- c. Screw-locks re-installed to SIH WU bundle connectors and isolation resistances measurement a) repeated
=> measured resistance < 1 Ohm

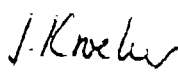
These measurements above show, that the SVM SPIRE SIH bundle over-shields are isolated to each other.

In sight of the SVM SPIRE SIH bundle manufacturing at CASA and measurement results above, we will continue with the SIH bundle WU connector manufacturing, double over-shield wrapping and final back-shell assembly.

Kind regards

EADS ASTRIUM


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