



## FIRST/Planck Project

### Telefax

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**Ref.** : SCI- PT/FIN/07249 **Date** : 15 November, 1999

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**Subject** : FIRST - HIFI Instrument Operation

**Ref.** : 1. HIFI fax SRON-U-HIFI-PM-1999-02, dated 07.10.1999  
2. ESTEC fax SCI-PT/FINH/07088, dated 16.09.1999

Dear all,

Find attached the HIFI answer to the question raised with the ref. 2 fax on the capability to keep other than HIFI warm boxes switched on during HIFI being the prime instrument.

Best regards

T. Passvogel

Attachment: 1 Page

**ESTEC**

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**FIRST-HIFI**

Sender:

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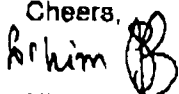
Subject: FIRST-HIFI Instrument Documentation

We (HIFI) do not have any objection to the other instrument warm electronic boxes being powered while HIFI is operational in prime mode, providing the following criteria are satisfied:

- 1) that the other units do not generate significant EMI at frequencies in the sensitive IF band of HIFI, i.e. 4-8 GHz,
- 2) that this does not compromise the thermal stability of the SVM environment to which our warm units are subjected, especially the HRS and WBS, and
- 3) that this has no impact on the power budget available to HIFI, and
- 4) that this does not unduly restrict our operations in the sense that we would be forced to have our units powered during periods when we are not prime.

It is our understanding that all of the above criteria will be met.

Certainly, our preference is to have constant dissipation in all units in the SVM to avoid transient thermal effects when changing prime instrument and from this point of view we are very positive to the suggested change if this does result in a more stable thermal environment. Will this be the case?

Cheers,  
  
Nick Whyborn