

Feb 2, 1974

My dear Rayjan,

Hope you have received my letter of 30<sup>th</sup>.

I talked to ART RUDMAN about the Honey Comb panel. In the cable it was given as SPACSUNMPE HONEY COMB PANELS. He said that he does not understand the first word. In any case he said HEXCEL in California can supply all Honey Comb panels. Further he said Shenoy has all this information including manufacturers.

The finally accepted explanation for Driver of UHF TX failure is slightly different from what I wrote on 30<sup>th</sup>. The cause is still considered as VHF pickup by input cable to UHF TX from up converter. The cable was being connected to UHF TX when the transistor MSc 2010 in final stage of Driver blew off. Connection was being made while the UHF TX was already ON. It seems the pre amplifier stages in driver gives almost 6 to 20 dB more gain at VHF (around 150 MHz) than at UHF. Jim Brown told that this was known earlier. I do not know if you were aware of it. I wrote to Prof. Chitra on 30<sup>th</sup> 31<sup>st</sup> and 2<sup>nd</sup>.

Nothing more — at the moment.

With best regards

Yours Sincerely  
h. W. R. C.

Jan 30, 1974

My dear Rajan,

I have received your earlier letter and cable concerning conformal coating. Whatever information I could gather on conformal coating have been sent to Mr. Thyagarajan as enclosures to my two letters. Second one contained NASA document on coating procedure.

Regarding suitability of Dow Corning 630, Mr. Tononi after checking with all concerned told me that none of GSFC material people have any information on it and also that it is not used in ATSLF.

About Honey comb panel I will check with John Webb tomorrow when I go to FI as all of them are at FI now. Last time when I was at FI, I could <sup>not</sup> meet him as he was in a meeting. Art Rudman seldom comes here. I think he is attached to some other project.

Mr. Manyam keeps getting letters from one Mr. Chokkalingam asking him to refer lot of problems to QAD branch at GSFC. It is better if yourself or Mr. Thyagarajan, who knows the set up here write about problems ~~to be~~ referred to informations to be obtained from GSFC and limit them to really important ones. You know it very well how we get informations from here.

Dhrani's bill here for transportation of your items came to \$497. He told that the parcel will be 260 cft. and has to be insured for \$800. I sent him the check last week. He will be

sending invoices to you. The ship is expected to leave some time this week.

The driver stage of high power UHF Tx failed on 24<sup>th</sup> night at FI. To day I posted a letter to Prof. Christis giving details. Paul Heffernan has hand carried the whole UHF Tx to Phidco for rectification and hope to be back tonight. The cause of failure is not clearly known. The only noticeable thing was that the cable carrying 860 MHz from the ~~8~~ mixer was disconnected. This could have caused stray pick up and over loading of driver stage. It is Msc 2010 used in last stage of driver that blew off.

I hope the NASA meetings went on well.

With best regards

Yours sincerely  
Jim Able