Attachment 2

Responses to Supplemental Questions from the Office of Engineering & Technology pursuant to Application for FCC Certification, FCC ID: AJK8222231 (Correspondence Reference Number: 31621)

1) This device is used in conjunction with FCC ID: AJK8222023 to add modulation types for INMARSAT Swift 64 communications. The power requested is 0.159 Watts. It appears that this may be an exciter for the above mentioned device. However, the power is 45 watts for FCC ID: AJK8222023 and the modulations are different. Is this an exciter and are the requested modulations amplified to 45 watts when used with FCC ID: AJK8222023. Please clarify the interaction of the two devices.

The output power and modulations of FCC Id: AJK8222231 (HST-2110) and FCC Id: AJK8222023 (SRT-2100) are indeed different. Although the HST-2110 is connected to the SRT-2100, it only uses the High Power Amplifier (HPA) located in the SRT-2100.

The HST-2110 transmits a low level L-band signal to the SRT-2100, which has a secondary input to its internal HPA. The HPA is a broadband L-band linear amplifier which simultaneously amplifies the classic Aero-H carriers generated internal to the SRT-2100, as well as the L-band carrier(s) generated by the HST-2110.

The HST-2110 receiver is independent of the SRT-2100. The output of the LNA/Diplexer typically passes through a passive L-band RF splitter and is routed to both the SRT-2100 and HST-2110 receiver inputs.

A copy of the revised schematic diagram is located in Attachment 3.

2) Please remove all shields from front and back sides of internal photos and re-submit.

A copy of the internal photos is located in Attachments 4 and 5.