

To: Jonathan Mirsky
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From: Doug Young
Date: May 05, 2008

Subject: Request for Info - STA File #0212-EX-ST-2008

Message:

Please provide answers/explanations to the following four questions/comments from NTIA:

1. Power is stated to be 1W ERP, yet a review of a sample record, NG 012251, shows authorization for W15. Based upon the request and the FCC ULS we must assume the antenna(s), despite the GMF registered assignments, provide for -11.8 dB attenuation to achieve the stated ERP. Is this in fact a verifiable EIRP of W1?
2. Though HySky states they are authorized 954 channels of 3 kHz bandwidth each (supported by the current FLN in ULS), all of their assignments, and the STA, state an emission designator of 2K80G1D. We must assume the actual bandwidth is 2K80 vice the stated 3 kHz and adheres to mandatory HF bandwidth requirements in numerous bands. Is this a factual emission?
3. Based upon the provided documentation, FCC ULS, and IRAC Doc 31854/1, we assume HySky is requesting occupancy be lowered from 36 seconds per hour to 3.6 seconds per hour to accommodate an increase of the window of transmission from 10 seconds to 30 seconds as provided by their master controller/system. Is the master controller/system being updated to provide protections to authorized users during this new 30 second window?
4. We also point out that 3.6 seconds of interference to a user, especially those performing public safety functions, or protecting critical infrastructure, is still 3.6 seconds, and may have serious consequences if the HySky system is not updated to perform a 30 second window "look ahead" or analysis to provide primary user protections.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of May 05, 2008 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 6372