Sabil Alliances, LLC

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Federal Communications Commission
International Bureau
445 12th Street S.W.
Washington, DC 20554

Attn: Eleanor Lott

Re: Call Sign E050235, File Number SES-LIC-20050801-01010

Good Morning,

We acknowledge and will comply with the 358 Watt maximum power limit when uplinking a digital carrier under this license. This will bring the maximum power density under the -14dBW/4KHz allowed under CFR 25.212.

These are the calculations we used to get to this number:

Digital constants: Transmit power (P) = 358 watts, Antenna Gain (G) = 49.63 dBi

312-B7f (Maximum EIRP - digital)
$$EIRP = 10LOG (P) + G$$
$$EIRP = 10LOG (358) + 49.63$$
$$EIRP = 75.1688 \text{ dBW}$$

312-B7g (Maximum EIRP Density - digital)
$$EIRP \text{ Density} = EIRP - 10LOG (\text{Transmit Bandwidth}) / 4kHz$$
$$EIRP \text{ Density} = 75.1688 - 10LOG (36) / 4kHz$$
$$EIRP \text{ Density} = 35.6264 \text{ dBW/4kHz}$$

Maximum Power Density
$$Power \text{ Density} = EIRP \text{ Density} - G$$
$$Power \text{ Density} = 35.6264 - 49.63$$
$$Power \text{ Density} = -14.0036 \text{ dBW/4kHz}$$

Thank you for your time and attention to this matter,

Leland Kesler
Sabil Alliances, LLC