Spectrum Bridge Inc.
1025 Greenwood Blvd.
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Lake Mary, FL. 32746
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March 3, 2008

Notice of Deployment of a 3.65GHz radio network

To Whom it May Concern,

Pursuant with FCC regulations we are writing this letter to inform you of our plans to deploy a 3.65GHz radio system within the defined 150Km protection zone of one of your Satellite Earth Stations. The system will go live 45 days from the date of this letter. In the spirit of the FCC requirements to work in good faith to co-exist we are contacting you now to provideadequate time to understand and evaluate this deployment. Please don't hesitate to contact us if you have any questions or concerns about the impact of the deployment. We will be happy to provide you with more technical details as well as details on the analysis we have done. We will be following up with you to ensure your SES operation will not be impacted in any way. Our detail analysis, described below, indicates that our low power system will only generate interference within 1dB of the noise floor and therefore there will produce no measureable impact on your SES. We will provide specific actual measurements for your reference once the system goes live.
Sincerely,

Peter Stanforth
CTO Spectrum Bridge Inc.

The system will be operating under the following license:

FCC Registration Number (FRN): 0016920720
Call Sign: WQIB447
Radio Service: NN – 3650 – 3700MHz

Deployment details

Location: FL Orlando, 28°46'29.12"N , 81°14'38.57"W

Antenna elevation: 50 ‘ AGL, 100’ AMSL

EIRP: +44dBm, 350^{o} – 110^{o};0 dBm, 110^{o} – 350^{o};

Operating Frequency: 3.65 – 3.70 GHz

Channel Bandwidth: 5 MHz

Interference Modeling

Call Sign,Azimuth, Range, Predicted Path Loss (Egli model),

E950276,142.03^{o},96.927 km, 191dB

KA354,142.06^{o},103.325 km, 192 dB

KA280,163.02^{o}40.685 km, 176 dB

Worst Case Analysis for KA280 (closest SES to the transmitter): +44dbm (OSIA EIRP at bearing of 163^{o}) – 176dbm (path loss)- 67 dbm (5 MHz) + 70 dBm (estimated antenna gain for 20m reflector) = ***-129dBm/Hz*** at KA280. Assuming the SES antenna can point directly at the horizon. Note: the elevation of the SES is several hundred feet below the horizon at a range of 40 km.