

## **EXHIBIT A**

### **KEKB Transmission System Calculations**

Effective Radiated Power:

Horizontal/Vertical      79.0 kilowatts

Antenna:                      Jampro Antennas, Model JSCP-6  
6 bay full wavelength spaced antenna  
Horizontal gain 3.3

Transmission Line:        Andrew Corporation HJ8-50B  
(325 feet) 3 inch air dielectric  
90.1% Efficiency

Bandpass filter:            Dielectric Bandpass- four stage - 240-04BP  
Insertion Loss : 0.241 dB  
94.602% Efficiency

Required Transmitter  
Power Output To  
Reach ERP:                      28.085 kilowatts

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Facilities Authorized:  
Channel 260C0 - 99.9 MHz  
Effective Radiated Power: 79.0 kilowatts (H/V)  
Geographic Coordinates:  
North Latitude 39° 03' 56"  
West Longitude 108° 44' 52"  
Antenna Center of Radiation:  
Above Ground 98.0 meters  
Above MSL 2270.0 meters  
HAAT 471.0 meters  
Antenna Structure Registration #:1022763