

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

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