Radio Horn for Hydrogen Detection

Matching screws
Box with noise source and amplifier
Waveguide to coax
noise source antenna

Campbell Hall Roof

705 Campbell Hall

Electric plane
- 81.0 cm
- 160.9 cm
- 156.8 cm

Magnetic plane
- 99.6 cm
- 155.5 cm
- 160.9 cm

Pyramidal Horn Diagram Optimization theory
from Allan W. Love, "Horn Antennas,"
Chapter 15 of Antenna Engineering Handbook, ed
Richard C. Johnson and Henry Jasik.

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Diagram of antenna and related components:
- Noise source
- Box with noise source and amplifier
- Waveguide to coax
- Matching screws

Diagram of electronic components:
- ADC card
- Pulsar
- Linux Computer
- Mixer
- Amplifier
- Filter
- Oscillator
- Power Splitter
- Antenna
- Hybrid
- Coupler

Frequency ranges:
- 0-5 MHz
- 1610 MHz
- 1320 - 1520 MHz
- 179 - 201 MHz
- 0-5 MHz
- 190 MHz
- 1610 MHz

部位の名前:
- 705 Campbell Hall
- Electric plane
- Magnetic plane
- Pyramidal Horn Diagram Optimization theory

説明文字:
- "Radio Horn for Hydrogen Detection"
- "Campbell Hall Roof"
- "Pyramidal Horn Diagram Optimization theory"
- "705 Campbell Hall"
- "Electric plane"
- "Magnetic plane"
- "Radiation from Allan W. Love, "Horn Antennas,"
Chapter 15 of Antenna Engineering Handbook, ed
Richard C. Johnson and Henry Jasik.