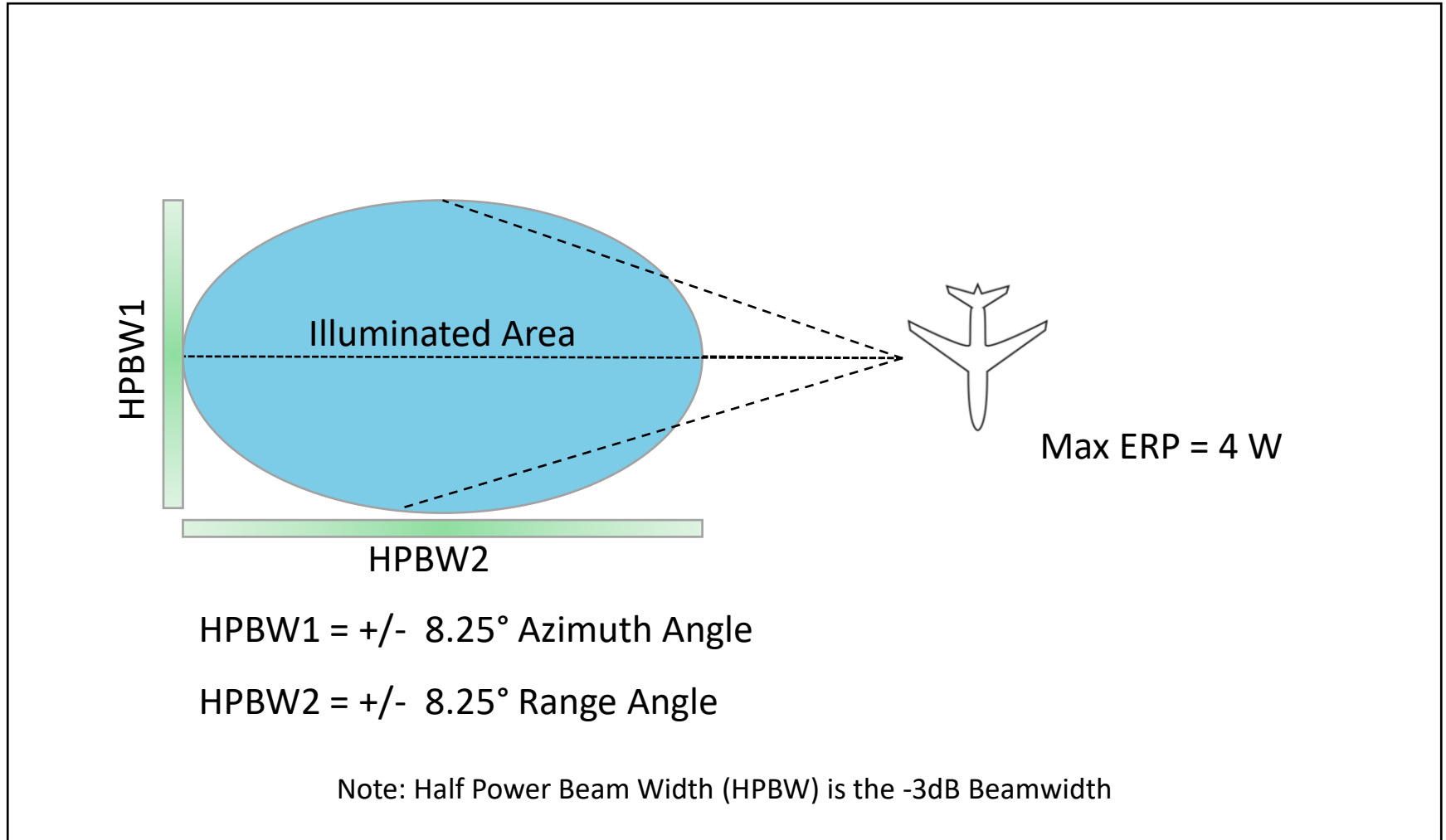


Directional Antenna Information and Modulating Signal Description

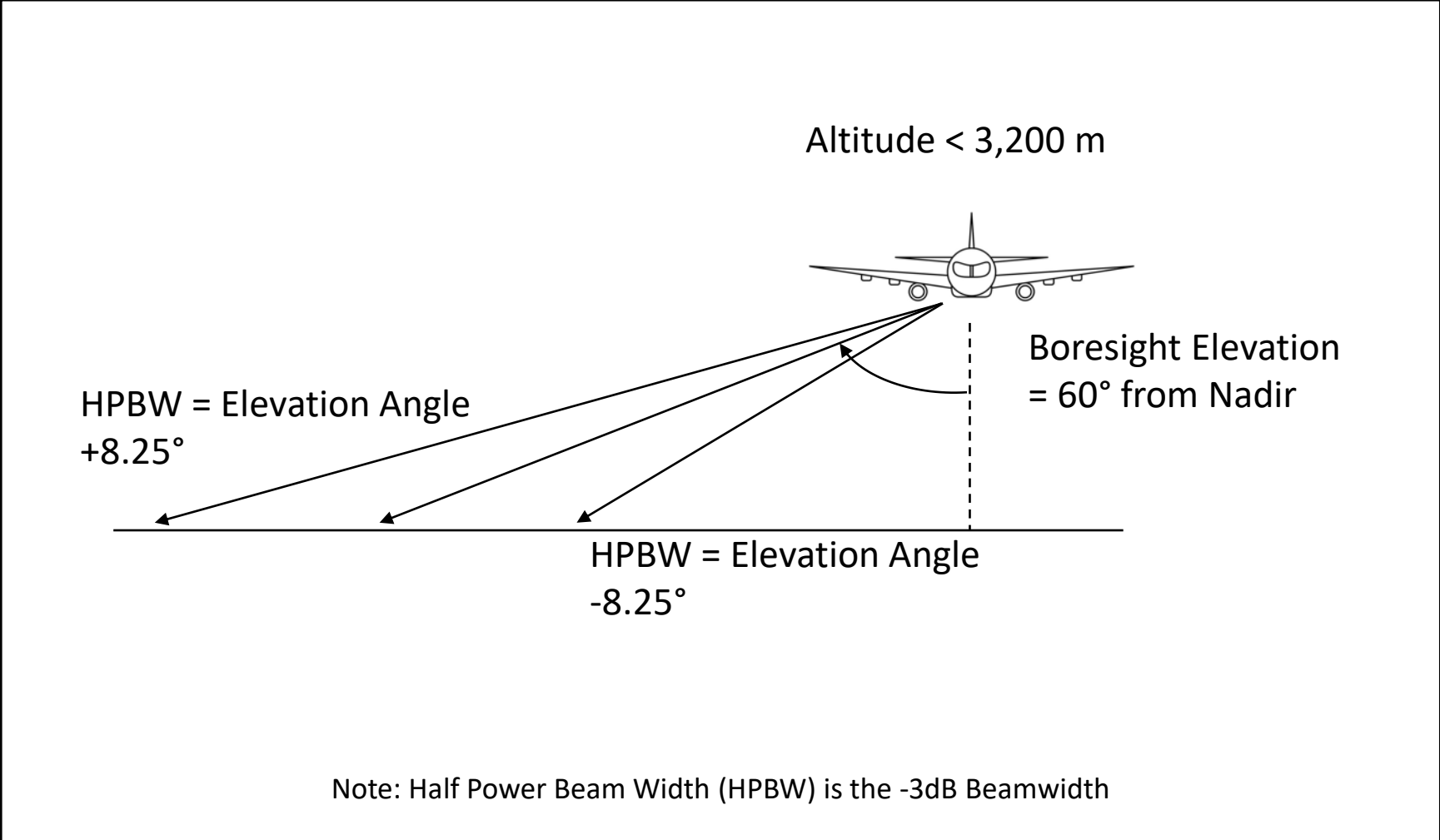
Umbra Lab Inc

File #0437-EX-ST-2020

Top Down View



Side View



Modulating Signal Description

- Modulation
 - Linear Frequency Up-chirp or Down-chirp of carrier
- Modulated Signal Bandwidth = 600 MHz planned (1000 MHz max)
- PRF = 2,000 to 8,000 Hz
- Duty Cycle < 20%