

# ASSESSMENT OF BANDS FOR WIND PROFILER ACCOMMODATION

(216-225, 400.15-406, and  
420-450 MHz Bands)

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## **ABSTRACT**

This report presents an assessment of three candidate bands (216-225, 400.15-406, and 420-450 MHz) for the potential accommodation of Wind Profilers nationally, with consideration worldwide. The approach used to evaluate each band was based on two major factors: conformance to current regulations and electromagnetic compatibility (EMC). This report addresses current regulations, spectrum usage, and analyzes the EMC between two types of Wind Profilers and specific environmental systems for potential accommodation in three candidate bands. The results of this study can serve to indicate a suitable band and identify potential frequencies within that band to accommodate Wind Profiler operations.

## **KEY WORDS**

216-225 MHz Band  
400.15-406 MHz Band  
420-450 MHz Band  
Wind Profiler Radars  
Electromagnetic Compatibility (EMC) Analysis



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