



Resolution SFCG 15-5R2

WIND PROFILER RADAR SYSTEMS IN THE BANDS NEAR 1000 MHz

The SFCG,

CONSIDERING

- a) that three bands have been identified as possible candidates for use by wind profiler radars: 904 - 928 MHz, 1270 - 1295 MHz, 1300 - 1375 MHz;
- b) that the frequency band 1215-1300 MHz is allocated on a primary basis to the Earth exploration-satellite (active) and space research (active) services with some limitation expressed in RR No. **5.332**;
- c) that the frequency band 1215-1300 MHz is allocated on a primary basis to the radiolocation service;
- d) that Resolution 217 (WRC-97) resolves to urge administrations to implement wind profiler radars as radiolocation service systems in the bands 904-928 MHz in Region 2 only, 1270-1295 MHz and 1300-1375 MHz, having due regard to the potential for incompatibility with other services;
- e) that some studies have been completed which have shown that as few as twenty wind profiler radars operating in random locations throughout the United States and Canada would cause unacceptable degradation in the performance of active spaceborne sensors operating in this band;
- f) that wind profiler radars are planned in significant numbers (approximately 150 in the US/Canada);
- g) that other studies have come to different conclusions about the compatibility of the two systems;

RESOLVES

that member agencies should inform their respective administrations that in making assignments to wind profiler radars in the band 1270-1295 MHz, they should consider that the remote sensing by active sensors in the band 1215-1300 MHz could experience some limitations. Member agencies shall promote the use of either of the other 2 bands indicated in CONSIDERING a) and d).