



**Recommendation WG 5.95.044**

**INTERFERENCE OBJECTIVES FOR COMMON CARRIER  
and  
PRIVATE MICROWAVE USERS  
in  
SHARED FREQUENCY BANDS**

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## RECOMMENDATION

**Subject:** Interference Objectives

**Title:** Interference Objectives for Common Carrier and Private Microwave Users in Shared Frequency Bands

**Background:** In 1989, NSMA approved a set of C/I objectives "Terrestrial Microwave Interference Objectives for the 2, 4, 6, 11, 18, and 23 GHz Bands". Since then, these objectives have been the standard for frequency coordination with common carriers. For many years, interference standards for coordination with private microwave users have been provided in TIA Bulletin 10. In December of 1993, the FCC rechannalized the microwave bands above 2 GHz, and made these bands available for use by both common carriers and private users. The rechannalization has resulted in a large number of possible frequency separations and radio equipment combinations so that frequency coordination with a matrix of C/I objectives is no longer practical. At the same time, since common carriers and private microwave users are now sharing frequency bands, there is the need to adopt a single set of interference standards.

For several years, NSMA members have been participating in TIA Committee TR14.11 which is responsible for maintaining and updating Bulletin 10. TR14.11 published TIA Bulletin 10-F in May of 1994 and is currently working on revisions to be included in Bulletin 10-G.

**Recommendation:** All fixed point-to-point microwave and PCS systems coordinated after the date this recommendation is adopted should meet the interference standards contained in the most recent version of the Telecommunications Industry Association (TIA) Bulletin 10 - Interference Criteria for Microwave Systems. Systems that have been coordinated under an earlier interference standard, such as NSMA Working Group 5 Recommendation WG5.89 ("Terrestrial Microwave Interference Objectives for the 2, 4, 6, 11, 18, and 23 GHz Bands", approved 10/5/89) or a superseded version of Bulletin 10, do not need to be re-coordinated to meet the latest standard.

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To Membership: 06-20-96

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