

Industry Round Table: Fixed Wireless Service

National Spectrum Management Association

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Current Fixed Service Developments

Part 101 Notice of Proposed Rulemaking

- Forthcoming NPRM will address two FWCC petitions:
 1. authorizing 30 MHz channels in the 6525-5975 MHz “Upper 6 GHz” band (filed 2/04/08)
 - present maximum bandwidth is 10 MHz
 - FCC allows 30 MHz under waiver, but bars conditional licensing
 2. adding two more 23 GHz pairs for conditional licensing (for total of six) (filed 11/07/07)
- NPRM expected in matter of weeks
- Rules would take effect in late 2010 (at the earliest).

Request for Adaptive Modulation

- ❑ Filed jointly by Alcatel-Lucent, Dragonwave Inc., Ericsson Inc., Exalt Communications, Fixed Wireless Communications Coalition, Harris Stratex Networks, Motorola, Inc. (May 8, 2009)
- ❑ Sec. 101.141(a)(3) sets minimum bits/second rates
- ❑ Petition requests rule interpretation to allow below-minimum rates for brief intervals if:
 - rate complies with minimum during normal operation
 - rate complies with minimum on average
- ❑ No enforcement mechanism proposed
- ❑ Parties hope NSMA will support the request.

Audit of Earth Stations in Shared Bands

- ❑ FWCC requested that earth station licensees in FS/FSS shared bands be required to certify construction and location (filed Nov. 26, 2008)
- ❑ Purpose: to limit problems with Fixed Service frequency coordinations caused by nonexistent earth stations
- ❑ Modeled after successful private land mobile audits
- ❑ FWCC made similar requests in 2002 and 2004
 - no response to those from FCC
 - no response yet this time, either.

Tower Proceedings

- ❑ U.S. Court of Appeals ordered FCC to amend its tower rules to better protect migratory birds (Feb. 19, 2008)
- ❑ Competing petitions for rulemaking:
 1. CTIA/PCIA/NAB/tower group propose rules causing minimal delay for tower approvals (May 2, 2008)
 2. American Bird Conservancy *et al.* propose rules that would greatly impede construction (April 14, 2009)
 - FWCC will probably oppose
- ❑ No workable tower rules will satisfy bird proponents
 - clash of statutes (environmental *vs.* communications)
 - ultimate resolution in courts.

The FWCC is Also Monitoring . . .

- ❑ UTC petition at 14 GHz
- ❑ TV white space rules for fixed applications
- ❑ WRC activity:
 - High Altitude Platform Stations at 5850-7075 MHz
 - 21.4-22 GHz for overseas broadcast satellite
- ❑ Unlicensed 57-64 GHz proposed 42 dB power increase
- ❑ Wireless Strategies, Inc. proposal for “concurrent coordination”
- ❑ “spectrum etiquette” proposal for 902-928 MHz
- ❑ . . . and many more (dating back to 1997).

Thank you!

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