



Dynamic Frequency Selection (DFS) Equipment Authorization

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DFS General Information

- Currently, TCBs cannot authorize DFS devices
- Pre Grant sample call and future sample monitoring
- U-NII Frequency Bands:
5.15-5.35, 5.47-5.725, and 5.725-5.825 GHz
- Dynamic Frequency Selection (DFS):
5.25-5.35 GHz and 5.47-5.725 GHz band
- Transmit Power Control (TPC): 5.47-5.725 GHz band
- R&O (FCC 03-287)
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-287A1.pdf
- Transition extension for 5.25-5.35 GHz band
extended until August 15, 2006 (FCC 06-12)
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-12A1.pdf



Equipment Authorization

- Equipment Class – NII
- Note code ND – This device complies with the TPC and DFS requirements in Section 15.407(h)
- Part 15 non-channelized radio service – Grant must list lowest and highest carrier frequency for each band
- Operational description:
 - IP or Frame based
 - EUT: master or client and ancillary equipment
- Test setup description
 - Radar Simulation: alternative hopping setup
 - Radar Simulation verification
 - Channel loading
 - Master and client configurations



Equipment Authorization (Con't)

● Test Data

- Plots required (when applicable)
- Statistical data – demonstrate that the radar simulator parameters (Type 2 through 4) are varied for each test and each run (Number of pulses per burst, pulse width, PRI) Tables showing these parameters are suggested)
- Refer to Published Test Procedures (to be published soon) Section 8 for detailed Test Report Guidelines



Questions and Answers

Thanks!