

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

In the Matter of	)	
	)	
Part 68 Waiver Requests of	)	File Nos.:
	)	
Lucent Technologies	)	NSD-L-01-80
XAVi Technologies Corporation	)	NSD-L-01-82
Delta Networks Inc.	)	NSD-L-01-83
Turbocomm Tech. Inc.	)	NSD-L-01-84
Archtek Telecom Corporation	)	NSD-L-01-85
TelGen Corporation	)	NSD-L-01-88
Intel Corporation	)	NSD-L-01-89
Kye Systems Corporation	)	NSD-L-01-90
Tailyn Communication Company, LTD.	)	NSD-L-01-91
Tailyn Communication Company, LTD.	)	NSD-L-01-92
Intel Denmark ApS	)	NSD-L-01-94
Occam Networks, Inc.	)	NSD-L-01-95
Telmax Communications Corporation	)	NSD-L-01-98
Kinpo Electronics, Inc.	)	NSD-L-01-99
Kinpo Electronics, Inc.	)	NSD-L-01-100
Ambit Microsystems Corporation	)	NSD-L-01-101

**ORDER**

**Adopted: May 17, 2001**

**Released: May 18, 2001**

By the Chief, Network Services Division, Common Carrier Bureau:

1. The Commission has received petitions for waiver of 47 C.F.R. section 68.308(e)(1) of its rules from the following parties who wish to register, under Part 68 of the rules, Asymmetrical Digital Subscriber Line (ADSL) modems that exceed the out-of-band signal power limitations of that section:<sup>1</sup>

- Lucent Technologies on April 20, 2001 for its Model SuperPipe 170/175 (SP170-ADSL/ SP175-ADSL);

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<sup>1</sup> An ADSL modem provides high bit-rate digital transmission concurrent with analog voice transmission over a single telephone line.

- XAVi Technologies Corporation on April 24, 2001 for its Model X7005;
- Delta Networks Inc. on April 24, 2001 for its Model AU5;
- Turbocomm Tech. Inc. on April 25, 2001 for its Model IA310, i201, I201, IA310 i201, Ni201, TW-IA310;
- Archtek Telecom Corporation on April 25, 2001 for its Model UGW-8000, UGW-8000S;
- TelGen Corporation on April 27, 2001 for its Model C50 Sprint ION ISH;
- Intel Corporation on April 27, 2001 for its Model INTEL PRO/DSL 4200 MODEM;
- Kye Systems Corporation on April 30, 2001 for its Model DSLX-800;
- Tailyn Communication Company, LTD. on April 30, 2001 for its Model AI-100, AP200;
- Tailyn Communication Company, LTD. on April 30, 2001 for its Model AC200, USBDSL1;
- Intel Denmark ApS on May 7, 2001 for Models DSL8010B, DSL8010F, and DSL8010R;
- Occam Networks, Inc. on May 9, 2001 for its Model BLC 1100;
- Telmax Communications Corporation on May 14, 2001 for its Model X1000, AT-AR250E, SMC7043ADSL;
- Kinpo Electronics, Inc. on May 14, 2001 for its Model A420;
- Kinpo Electronics, Inc. on May 14, 2001 for its Model A360;
- Ambit Microsystems Corporation on May 15, 2001 for its Model R02L001.

For the reasons discussed below, we grant these petitions, subject to the conditions in this Order.

2. Part 68 Registration Process. All terminal equipment sold in the United States and connected to the public switched telephone network (PSTN) must be registered under Part 68 of the Commission's rules.<sup>2</sup> The Part 68 registration process requires testing of a device to demonstrate that it conforms to specifications designed to prevent harm to the PSTN.<sup>3</sup> If tests show that an applicant's device meets these Part 68 requirements, the Commission issues a registration number for it, thereby permitting its sale and connection to the PSTN in the United States. A waiver of Section 68.308(e)(1), as requested by the above-mentioned Petitioners, would allow Petitioners to submit their ADSL modems for Part 68 registration despite the fact that the modems do not meet the out-of-band signal limitations of section 68.308(e)(1). A waiver of one or more requirements of Part 68 does not, however, excuse an applicant from this testing process.

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<sup>2</sup> 47 C.F.R. § 68.2.

<sup>3</sup> See FCC Form 730, Application Guide, Revision C - 273 (March 1997).

3. Waiver Standard. The Commission will not waive any provision of its rules unless good cause is shown.<sup>4</sup> Under the relevant case law, the applicant has the burden of showing good cause for a waiver: "[a]n applicant [for a waiver] faces a high hurdle even at the starting gate."<sup>5</sup> Nevertheless, an agency must take a "hard look" at applications for waiver<sup>6</sup> and must consider all relevant factors.<sup>7</sup> An agency must adhere strictly to its rules unless a party can show "reasons why in the public interest the rule should be waived."<sup>8</sup> Finally, "[t]he agency must explain why deviation better serves the public interest and articulate the nature of the special circumstances to prevent discriminatory application and to put future parties on notice as to its operation."<sup>9</sup>

4. Streamlined ADSL Waiver Process. On February 28, 2000, the Commission's Common Carrier Bureau released a Memorandum Opinion and Order granting Alcatel USA, Inc., (Alcatel) a waiver of Section 68.308(e)(1) of the Commission's rules for its ADSL modem.<sup>10</sup> The Commission granted the waiver subject to two conditions (Alcatel conditions), which were corrected by erratum<sup>11</sup> to read as follows: the ADSL modem must (1) meet the transmitter spectral response requirements specified in Section 7.14 of T1.413- Issue Two (1998), and (2) operate with an aggregate power of less than 12.5 dBm over the range 25.875 to 138 kHz as specified in Section 7.15 of the same document.

5. The Alcatel Waiver Order additionally established a streamlined process for Part 68 waivers of ADSL modems, eliminating the usual public notice and comment procedures if a petitioner certifies that the above two conditions are met. The Commission determined that because the ANSI T1.413 - Issue Two (1998) standard for ADSL modems reflects a reasonable level of industry consensus on terminal equipment output limitations intended to protect the PSTN, we can rely on this standard in establishing a streamlined waiver process that will provide manufacturers and carriers the stability afforded by our Part 68 rules without the expense and delay associated with the rule making process. The Commission invited other parties able to meet the Alcatel conditions to file petitions for waiver of Section 68.308(e)(1) in order to register ADSL modems. In addition, the Commission determined that further waivers would facilitate

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<sup>4</sup> 47 C.F.R. § 1.3.

<sup>5</sup> *WAIT Radio v. FCC*, 418 F.2d 1153, 1157 (D.C. Cir. 1969).

<sup>6</sup> *Id.*

<sup>7</sup> *Citizens to Preserve Overton Park, Inc. v. Volpe*, 401 U.S. 402, 416 (1971).

<sup>8</sup> *FPC v. Texaco Inc.*, 377 U.S. 33, 39 (1964).

<sup>9</sup> *Northeast Cellular Telephone Company, L.P. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990).

<sup>10</sup> *Alcatel USA, Inc. Petition for Waiver of the Signal Power Limitations Contained in Section 68.308(e)(1) of the Commission's Rules*, Order, NSD File No. NSD-L-99-81, DA 00-388 (rel. Feb. 28, 2000)(Alcatel Waiver Order).

<sup>11</sup> *Alcatel USA, Inc. Petition for Waiver of the Signal Power Limitations Contained in Section 68.308(e)(1) of the Commission's Rules*, Erratum, NSD File No. NSD-L-99-81, DA 00-388 (rel. March 21, 2000).

the market availability of such equipment, thus serving the public interest through increased innovation, consumer choice, and value. By serving the public interest, ADSL modems satisfy part one of the two-part analysis that the Commission has used in evaluating Part 68 waiver requests. By not harming the PSTN in accordance with the Alcatel conditions, they also satisfy the second part.

6. Discussion. All Petitioners cited above have certified that their devices are ADSL modems that comply with the two conditions specified in the Alcatel Waiver Order. Thus, we conclude, for the same reasons as in the Alcatel Waiver Order, that Petitioners have shown good cause for granting the requested waivers. Applications to register these devices under Part 68 of our rules may be submitted with this waiver.

### ORDERING CLAUSES

7. Accordingly, IT IS ORDERED, pursuant to authority delegated in Sections 0.91 and 0.291 of the Commission's rules, 47 C.F.R. §§ 0.91, 0.291, and Section 1.3 of the Commission's Rules, 47 C.F.R. § 1.3, that the requests for waiver of Section 68.308(e)(1) of the rules, 47 C.F.R. § 68.308(e)(1) by Lucent Technologies, XAVi Technologies Corporation, Delta Networks Inc., Turbocomm Tech. Inc., Archtek Telecom Corporation, TelGen Corporation, Intel Corporation, Kye Systems Corporation, Tailyn Communication Company, LTD., , Intel Denmark ApS, Occam Networks, Inc., Telmax Communications Corporation, Kinpo Electronics, Inc., and Ambit Microsystems Corporation ARE GRANTED to the extent stated herein.

8. IT IS FURTHER ORDERED that the petitions for waiver ARE GRANTED SUBJECT TO THE following conditions: that the devices (1) meet the transmitter spectral response requirements specified in Section 7.14 of ANSI T1.413- Issue Two (1998), and (2) operate with an aggregate power of less than 12.5 dBm over the range 25.875 to 138 kHz as specified in Section 7.15 of the same document.

### FEDERAL COMMUNICATIONS COMMISSION

Diane Griffin Harmon  
Acting Chief, Network Services Division  
Common Carrier Bureau