

exceeding 19.7 GHz and assemblies and components therefor, n.e.s.

■ 26. In Supplement No. 1 to part 774 (the Commerce Control List), Category 5—Telecommunications and “Information Security”, Part I—Telecommunications, Export Control Classification Number (ECCN) 5B001 is amended by revising the “items” paragraph in the List of Items Controlled section, to read as follows:

5B001 Telecommunication test, inspection and production equipment, as follows (See List of Items Controlled).

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List of Items Controlled

Unit: * * *

Related Controls: * * *

Related Definition: * * *

Items:

a. Equipment and specially designed components or accessories therefor, specially designed for the “development”, “production” or “use” of equipment, functions or features controlled by 5A001, 5D001 or 5E001.

Note: 5B001.a. does not control optical fiber characterization equipment.

b. Equipment and specially designed components or accessories therefor, specially designed for the “development” of any of the following telecommunication transmission or “stored program controlled” switching equipment:

b.1. Equipment employing digital techniques, including “Asynchronous Transfer Mode” (“ATM”), designed to operate at a “total digital transfer rate” exceeding 1.5 Gbit/s;

b.2. Equipment employing a “laser” and having any of the following:

b.2.a. A transmission wavelength exceeding 1750 nm;

b.2.b. Performing “optical amplification”;

b.2.c. Employing coherent optical transmission or coherent optical detection techniques (also called optical heterodyne or homodyne techniques); or

b.2.d. Employing analog techniques and having a bandwidth exceeding 2.5 GHz;

Note: 5B001.b.2.d. does not include equipment specially designed for the “development” of commercial TV systems.

b.3. Equipment employing “optical switching”;

b.4. Radio equipment employing quadrature-amplitude-modulation (QAM) techniques above level 256; or

b.5. Equipment employing “common channel signaling” operating in non-associated mode of operation.

■ 27. In Supplement No. 1 to part 774 (the Commerce Control List), Category 5—Telecommunications and “Information Security”, Part I—Telecommunications, Export Control Classification Number (ECCN) 5D001 is amended by revising the License Exceptions section, and the “items” paragraph in the List of Items Controlled section, to read as follows:

5D001 “Software”, as described in the List of Items Controlled.

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License Exceptions

CIV: Yes, except for “software” controlled by 5D001.a and specially designed for the “development” or “production” of items controlled by 5A001.b.5 TSR: Yes, except for exports and reexports to destinations outside of Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, the Netherlands, Portugal, Spain, Sweden, or the United Kingdom of “software” controlled by 5D001.a and specially designed for items controlled by 5A001.b.5.

List of Items Controlled

Unit: * * *

Related Controls: * * *

Related Definitions: * * *

Items:

a. “Software” specially designed or modified for the “development”, “production” or “use” of equipment, functions or features controlled by 5A001 or 5B001.

b. “Software” specially designed or modified to support “technology” controlled by 5E001.

c. Specific “software” as follows:

c.1. “Software” specially designed or modified to provide characteristics, functions or features of equipment controlled by 5A001 or 5B001;

c.2. [Reserved];

c.3. “Software”, other than in machine-executable form, specially designed for “dynamic adaptive routing”.

d. “Software” specially designed or modified for the “development” of any of the following telecommunication transmission or “stored program controlled” switching equipment:

d.1. Equipment employing digital techniques, including “Asynchronous Transfer Mode” (“ATM”), designed to operate at a “total digital transfer rate” exceeding 1.5 Gbit/s;

d.2. Equipment employing a “laser” and having any of the following:

d.2.a. A transmission wavelength exceeding 1750 nm; or

d.2.b. Employing analog techniques and having a bandwidth exceeding 2.5 GHz;

Note: 5D001.d.2.b. does not control “software” specially designed or modified for the “development” of commercial TV systems.

d.3. Equipment employing “optical switching”; or

d.4. Radio equipment employing quadrature-amplitude-modulation (QAM) techniques above level 256.

■ 28. In Supplement No. 1 to part 774 (the Commerce Control List), Category 5—Telecommunications and “Information Security”, Part I—Telecommunications, Export Control Classification Number (ECCN) 5E001 is amended by revising the “items” paragraph in the List of Items Controlled section, to read as follows:

5E001 “Technology”, (see List of Items Controlled).

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List of Items Controlled

Unit: * * *

Related Controls: * * *

Related Definitions: * * *

Items:

a. “Technology” according to the General Technology Note for the “development”, “production” or “use” (excluding operation) of equipment, functions or features or “software” controlled by 5A001, 5B001 or 5D001.

b. Specific “technologies”, as follows:

b.1. “Required” “technology” for the “development” or “production” of telecommunications equipment specially designed to be used on board satellites;

b.2. “Technology” for the “development” or “use” of “laser” communication techniques with the capability of automatically acquiring and tracking signals and maintaining communications through exoatmosphere or sub-surface (water) media;

b.3. “Technology” for the “development” of digital cellular radio base station receiving equipment whose reception capabilities that allow multi-band, multi-channel, multi-mode, multi-coding algorithm or multi-protocol operation can be modified by changes in “software”;

b.4. “Technology” for the “development” of “spread spectrum” techniques, including “frequency hopping” techniques.

c. “Technology” according to the General Technology Note for the “development” or “production” of any of the following telecommunication transmission or “stored program controlled” switching equipment, functions or features:

c.1. Equipment employing digital techniques, including “Asynchronous Transfer Mode” (“ATM”), designed to operate at a “total digital transfer rate” exceeding 1.5 Gbit/s;

c.2. Equipment employing a “laser” and having any of the following:

c.2.a. A transmission wavelength exceeding 1750 nm;

c.2.b. Performing “optical amplification” using praseodymium-doped fluoride fiber amplifiers (PDFFA);

c.2.c. Employing coherent optical transmission or coherent optical detection techniques (also called optical heterodyne or homodyne techniques);

c.2.d. Employing wavelength division multiplexing techniques exceeding 8 optical carriers in a single optical window; or

c.2.e. Employing analog techniques and having a bandwidth exceeding 2.5 GHz;

Note: 5E001.c.2.e. does not control “technology” for the “development” or “production” of commercial TV systems.

c.3. Equipment employing “optical switching”;

c.4. Radio equipment having any of the following:

c.4.a. Quadrature-amplitude-modulation (QAM) techniques above level 256; or

c.4.b. Operating at input or output frequencies exceeding 31 GHz; or

Note: 5E001.c.4.b. does not control “technology” for the “development” or