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CIRCULARS

Regulations on the list of potentially unsafe products and goods under the management responsibility of the Ministry of Information and Communications

Pursuant to the November 21, 2007 Law on Product and Goods Quality;

Pursuant to the November 23, 2009 Law on Telecommunications;

*Pursuant to the November 23, 2009 Law on Radio Frequency, **the Law amending and supplementing a number of articles of the Law on Radio Frequency dated November 9, 2022;***

Pursuant to the June 29, 2006 Law on Information Technology;

Pursuant to Decree No. 132/2008/ND-CP dated December 31, 2008 of

The Government details the implementation of a number of articles of the Law on Product and Goods Quality, Decree No. 74/2018/ND-CP dated May 15, 2018 of the Government amending and supplementing a number of articles of the Decree No. Decree 132/2008/ND-CP of the Government detailing the implementation of a number of articles of the Law on Product and Goods Quality;

Pursuant to Decree No. 13/2022/ND-CP dated January 21, 2022 amending and supplementing a number of articles of Decree No. 132/2008/ND-CP dated December 31, 2008 , Decree No. 74/2018/ND-CP dated May 15, 2018 of the Government detailing the implementation of a number of articles of the Law on Product and Goods Quality and Decree No. 86/2012/ND-CP dated May 19 10 of 2012 by the Government detailing and guiding the implementation of a number of articles of the Law on Measurement;

*Pursuant to **Decree No. 48/2022/ND-CP dated July 26, 2022** of the Government defining the functions, tasks, powers and organizational structure of the Ministry of Information and Communications;*

Pursuant to Circular No. 31/2022/TT-BTC dated June 8, 2022 of the Ministry

The Minister of Finance shall prescribe the List of Vietnam's import and export goods; At the

proposal of the Director of the Science and Technology Department, the Minister of

Information and Communications promulgates a Circular stipulating the list of potentially unsafe products and goods under the management responsibility of the Ministry of Information. and media.

Article 1. Scope

1. This Circular prescribes the list of potentially unsafe products and goods under the management responsibility of the Ministry of Information and Communications (hereinafter referred to as the List of group-2 products and goods for short) and principles of product management, group 2 goods.

2. This Circular applies only to products and goods with HS codes and model numbers description of products and goods specified in the List of group 2 products and goods. **Article 2.**

Subjects of application This Circular applies to: 1. Organizations and individuals engaged in production and business activities products and goods on the List of Group 2 products and goods in Vietnam.

2. Organizations and individuals engaged in activities related to product quality management products and goods on the List of Group 2 products and goods in Vietnam. **Article 3. List of group**

2 products and goods 1. The list of group 2 products and goods and form of management are prescribed as follows:

a) "The list of specialized information and communication technology products and goods that require regulation conformity certification and announcement" is specified in Appendix I of this Circular.

b) "The list of specialized information and communication technology products and goods subject to regulation conformity announcement" is specified in Appendix II of this Circular.

2. The Ministry of Information and Communications shall review, amend and supplement the List of Group 2 products and goods from time to time in accordance with the management policy of the Government. Government.

Article 4. Principles of management of group-2 products and goods 1.

The quality management of products and goods on the List of group-2 products and goods shall comply with regulations of the Ministry of Information and Communications on regulation conformity certification, regulation conformity announcement and quality inspection for specialized information and communication technology products and goods and corresponding technical regulations.

2. Products and goods on the List of Group 2 products and goods with integrated functions of other products and goods on the List of Group-2 products and goods subject to regulation conformity certification and declaration of conformity. fully regulate the technical regulations applicable to products and goods to be integrated.

3. Products and goods on the List of group-2 products and goods that are subject to application of two or more national technical regulations must undergo regulation conformity certification and announcement according to regulations of the relevant national technical regulations. that technical standard.

4. In case there are technical regulations issued before the effective date of this Circular, regulations on regulation conformity certification and announcement are different from those in this Circular, they must comply with regulations. in this Circular.

5. In case there are new technical regulations amending, supplementing or replacing technical regulations specified in the List of Group 2 products and goods, the provisions of the new technical regulations shall apply. **Article 5. Implementation provisions** 1. This Circular takes effect from **July 1, 2023.**

2. Circular No. 02/2022/TT-BTTTT dated May 16, 2022 of the Minister of Information and Communications stipulating the List of potentially unsafe products and goods under the Ministry's management Information and Communication expires from the effective date of this Circular.

3. Certificate of conformity, notice of receipt The announcement of regulation conformity that has been issued before the effective date of this Circular and is still valid until the effective date of the regulation. new technical regulations replace technical regulations and standards stated in the Certificate of conformity, the Notice of receipt of the Announcement of regulation conformity. **Article 6.**

Implementation organization

1. The Chief of the Office, the Director of the Science and Technology Department, the heads of agencies and units under the Ministry of Information and Communications and relevant organizations and individuals are responsible for the implementation of this Circular.

2. In the process of applying technical regulations and measuring and testing, organizations and individuals are responsible for promptly reporting problems and complying with the guidance of the Ministry of Information and Communications (Department of Science and Technology).

3. In case there is any problem in determining the HS code of imported goods which are potentially unsafe products or goods within the scope of regulation of this Circular, the Ministry of Information and Communications (Department of Information and Communications) Science and Technology) in coordination with the Ministry of Finance (General Department of Customs) to guide and handle uniformly./.

Receiving

place: - Prime Minister, Deputy Prime Ministers (for b/c); - Ministries, ministerial-level agencies, agencies attached to the Government; - People's Committees of provinces and centrally run cities; - Departments of Information and Communications of provinces and centrally run cities; - Department of Legal Documents Examination (Ministry of Justice); - Official Gazette, Government portal; - Ministry of Information and Communications: Ministers and Deputy Ministers, agencies and units under the Ministry, the Ministry's web portal; - Save: VT, Science and Technology (250).

MINISTER

Nguyen Manh Hung

Appendix I

**LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY
REQUIRED CERTIFICATION OF CONFORMITY AND ANNOUNCEMENT OF CONFORMITY**

(Issued together with the Circular No. 2023/TT-BTTTT dated May 2023 of the Minister of Information and Communications)

STT	Product's name, to goods	Technical regulations applicable	HS code according to Circular No. 31/2022/TT-BTC	Description of products and goods
1	Equipment for transmitting, receiving and transmitting radio waves in the frequency band between 9 kHz and 400			
1.1	GHz terrestrial mobile phone using E-UTRA FDD (4G) technology and may integrate one or more of the following functions: - W-CDMA FDD			
1.1.1	Terrestrial mobile communication terminal (a)	QCVN 117:2020/BTTTT QCVN 86:2019/ BTTTT (*) QCVN 101:2020/BTTTT (*)	8517.13.00 8517.14.00	(3G) mobile communication terminal ; - GSM mobile communication terminals (2G and 2.5G); - Fifth generation mobile communication terminal (5G); - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - 5 GHz band radio access; - Transmit, receive and transmit short-range radio.
			8517.62.59	Terrestrial mobile communication terminal (device)

				<p>transmission equipment combined with a receiver) other than a mobile phone, incorporating/using one or more of the following technologies: E-UTRA FDD (4G); W-CDMA FDD (3G); GSM (2G and 2.5G); and can integrate one or more functions</p> <p>or:</p> <ul style="list-style-type: none"> - Fifth generation mobile communication terminal (5G); - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - 5 GHz band radio access; - Transmit, receive and transmit short-range radio.
1.1.2	Fifth generation (a) mobile communication terminal (5G)	<p>QCVN 127:2021/BTTTT</p> <p>QCVN 129:2021/BTTTT</p> <p>QCVN 18:2022/BTTTT (*)</p> <p>QCVN 101:2020/BTTTT (*)</p>	<p>8517.13.00</p> <p>8517.14.00</p>	<p>Terrestrial mobile phones using fifth generation (5G) mobile communication technology with or without integrating one or more of the following functions:</p> <ul style="list-style-type: none"> - Terrestrial mobile communication terminal; - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - 5 GHz band radio access; - Transmit, receive and transmit short-range radio.

		<p>- For terminal devices (not mobile phones) mobile communication network</p> <p>Standalone 5G:</p> <p>QCVN 127:2021/BTTTT</p> <p>QCVN 18:2022/BTTTT (*)</p> <p>QCVN 101:2020/BTTTT (*) + For terminal devices (not mobile phones) mobile communication network</p> <p>Hybrid 5G:</p> <p>QCVN 129:2021/BTTTT</p> <p>QCVN 18:2022/BTTTT (*)</p> <p>QCVN 101:2020/BTTTT (*)</p>	8517.62.59	<p>Terrestrial mobile communication terminal (transmission device combined with receiver) other than mobile phone, using fifth generation (5G) mobile communication technology with or without integrated one or more functions</p> <p>or:</p> <ul style="list-style-type: none"> - Terrestrial mobile communication terminal; - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - 5 GHz band radio access; - Transmit, receive and transmit short-range radio.
1.1.3	Mobile communication base station equipment GSM	<p>QCVN 41:2016/BTTTT</p> <p>QCVN 103:2016/BTTTT (*)</p>	8517.61.00	<p>Base station equipment in mobile telephone networks using GSM (2G and 2.5G) technology with or without integrated one or more functions</p> <p>or:</p> <ul style="list-style-type: none"> - W-CDMA mobile communication base station equipment FDD (3G); - E-UTRA . mobile communication base station equipment

				FDD (4G); - Fifth generation mobile communication base station equipment (5G).
1.1.4	Mobile communication base station W CDMA FDD	QCVN 16:2018/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base station equipment in mobile phone networks using W-CDMA FDD (3G) technology with or without integrated one or more of the following functions: - GSM mobile communication base station equipment (2G and 2.5G); - E-UTRA FDD mobile communication base station equipment (4G); - Fifth generation mobile communication base station equipment (5G).
1.1.5	E . mobile communication base station equipment UTRA FDD	QCVN 110:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base station equipment in a mobile phone network using E-UTRA FDD (4G) technology with or without integrated one or more functions OR: - GSM mobile communication base station equipment (2G and 2.5G); - W-CDMA FDD mobile communication base station equipment (3G); - Fifth generation mobile communication base station equipment (5G).

1.1.6	Information repeater mobile	QCVN 47:2015/BTTTT (**) QCVN 103:2016/BTTTT (*) GSM	8517.62.59	Equipment with functions of receiving and retransmitting signals of mobile communication networks using GSM technology (2G and 2.5G) with or without integrating one or more of the following functions: - Cellular communication W- CDMA FDD (3G); - Repeat mobile communication E-UTRA FDD (4G); - Repeated fifth generation mobile communication (5G).
1.1.7	W-CDMA mobile communication repeater FDD	QCVN 66:2018/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	The device has the function of receiving and retransmitting signals of a mobile communication network using W-CDMA FDD technology (3G) with or without integrating one or more of the following functions: - GSM (2G) mobile communication repeater and 2.5G); - Repeat mobile communication E-UTRA FDD (4G); - Repeated fifth generation mobile communication (5G).
1.1.8	E-UTRA . mobile communication repeater FDD	QCVN 111:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	The device has the function of receiving and retransmitting signals of a mobile communication network using E-UTRA FDD technology (4G) with or without integrating one or more of the following functions: - GSM (2G) mobile communication repeater and 2.5G); - W-CDMA FDD (3G) mobile communication loop ; - Repeated fifth generation mobile communication (5G).
1.1.9	Base station equipment mobile information	QCVN 128:2021/BTTTT QCVN 18:2022/BTTTT (*) World	8517.61.00	The base station equipment of the fifth generation (5G) mobile communication network with or without an integrated

	fifth generation (5G)			or more of the following functions: - GSM mobile communication base station equipment (2G and 2.5G); - W-CDMA FDD mobile communication base station equipment (3G); - E-UTRA FDD mobile communication base station equipment (4G).
1.1.10	Second generation mobile communication repeater (5G)	QCVN 47:2015/BTTTT (**) QCVN 18:2022/BTTTT (*) year	8517.62.59	The device has the function of receiving and retransmitting signals of the fifth generation mobile communication network (5G) with or without integrating one or more of the following functions: - GSM (2G and 2.5G) mobile communication repeater); - W-CDMA FDD (3G) mobile communication loop ; - Repeat mobile communication E-UTRA FDD (4G).

1.1.11	Low power wide area network radio equipment (LPWAN) ^(b)	<p>- For equipment operating in the band 920 MHz - 923 MHz: + For equipment with a transmitting capacity of up to 25 mW ERP</p> <p>QCVN 122:2020/BTTTT</p> <p>QCVN 18:2022/BTTTT (*) + For equipment with a generating capacity of over 25 mW ERP to 306 mW ERP</p> <p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 18:2022/BTTTT (*)</p> <p>- For equipment operating in the band 433.05 MHz - 434.79 MHz with a transmitting power of up to 100 mW ERP:</p> <p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 18:2022/BTTTT (*)</p>	<p>8517.61.00</p> <p>8517.62.43</p> <p>8517.62.59</p> <p>8517.62.69</p> <p>8517.62.99</p> <p>8517.69.00</p>	<p>Base station equipment, radio access equipment, or terminal equipment with the function of sensing, measuring, recording, and transmitting the parameters to be measured over the radio interface.</p>
			<p>9015.10.90</p>	<p>Water level sensing device, transmitting measurement parameters via public radio interface</p>

				LPWAN technology.
			9025.19.19	The device senses the temperature of the air, transmits the measurement parameters through the LPWAN technology radio interface.
			9025.80.00	The device senses the humidity of the air, transmitting measurement parameters via the LPWAN technology radio interface.
			9027.10.00	Smoke detector in the air, transmitting measurement parameters via LPWAN technology radio interface.
			9027.89.90	The device senses dust in the air, transmitting measurement parameters via LPWAN technology radio interface.
1.1.12	Terrestrial mobile radio equipment with integral antenna for (a) analog voice	QCVN 37:2018/BTTTT QCVN 18:2022/BTTTT (*)	8517.14.00	Hand-held radio equipment with integral antenna, using angle modulation in the terrestrial mobile services, primarily for analog voice, operating in the radio frequency range 30 MHz to 1000 MHz with distances channels are 12.5 kHz and 25 kHz.
1.1.13	Terrestrial mobile radio equipment with removable antenna for	QCVN 42:2011/BTTTT QCVN 18:2022/BTTTT (*)		Digital radio equipment and combined analog/digital equipment with removable antennas for the purpose of data and/or voice transmission, including:

	data (and voice) ^(a) transmission		8517.61.00	- Base station equipment (with antenna socket to be used in a fixed location); - A mobile station (with an antenna socket
			8517.14.00	commonly used on a vehicle or as a mobile station) or hand-held station for the purpose of data and/or voice transmission.
1.1.14	Terrestrial mobile radio equipment with removable antenna for (a) analog voice	QCVN 43:2011/BTTTT QCVN 18:2022/BTTTT (*)		Equipment in an angle modulation system for use in the land mobile service, operating on radio frequencies between 30 MHz and 1000 MHz, having a channel spacing of 12,5 kHz and 25 kHz, for analog voice self, including:
			8517.61.00	- Base station equipment (with antenna socket);
			8517.14.00	- Mobile station (with antenna socket);
			8517.14.00	- Handsets with antenna sockets; or without an antenna socket (instant antenna equipment) but with a permanent or temporary internal 50 ÷ RF connector allowing connection to the transmitter output port and the receiver input port.
1.1.15	Terrestrial mobile radio equipment with integral antenna for data transmission (and	QCVN 44:2018/BTTTT QCVN 18:2022/BTTTT (*)	8517.14.00	Terrestrial mobile radio equipment using constant envelope angular modulation, operating in the radio frequency range 30 MHz to 1 GHz, with channel spacings of 12.5 kHz and 25 kHz, including

	phone) ^(a)			includes handheld digital or combined analog/digital radio equipment using an integral antenna for the transmission of data and/or voice.
1.1.16	Terminals Narrowband IoT E BOTH	QCVN 131:2022/BTTTT QCVN 18:2022/BTTTT (*)	8517.14.00	Terrestrial mobile communication terminals using narrowband IoT technology are designed to operate in the E-UTRA bands.
1.2	Specialized radio transmitters, receivers and transmitters for television broadcasting and broadcasting			
1.2.1	DVB-T2 . Digital Video Transmitter	QCVN 77:2013/BTTTT	8525.50.00	Transmitter for terrestrial broadcasting service using digital DVB-T2 standard with 8 MHz channel bandwidth.
1.2.2	Broadcasting equipment using modulation technology (AM)	QCVN 29:2011/BTTTT	8525.50.00	Amplitude-modulated (AM) broadcasting equipment for use in the broadcasting service operating in the medium wave (from 526.5 kHz to 1606.5 kHz) and short wave (from 3.2 MHz to 26.1 kHz) MHz).
1.2.3	Radio broadcast equipment using frequency modulation (FM) technology	QCVN 30:2011/BTTTT	8525.50.00	Radio modulation (FM) equipment for the broadcasting service operating in both mono and stereo, frequency range 87 MHz to 108 MHz.
1.2.4	Wireless radio equipment using frequency modulation technology (FM) frequency band from 54 MHz to 68 MHz	QCVN 70:2013/BTTTT	8525.50.00	Wireless radio equipment using frequency modulation (FM) technology in the 54 MHz to 68 MHz band, working in mono mode.

1.3	Radar Equipment			
1.3.1	Radar equipment (except for radar equipment used for ships) and attached Radar of short-range radio transmitter, receiver-transmitter)	QCVN 47:2015/BTTTT (**) Marine QCVN 18:2022/BTTTT(*) type	8526.10.10 8526.10.90	All types of radar equipment used on the ground, or equipped on civil aircraft, except for radar equipment used for seagoing ships and Radar of the type of short-range radio transmitters, transceivers .
2	Short range radio transmitters, receivers and transmitters (c)			
2.1	Telephone equipment cordless pull type subscribers DECT route (a)	QCVN 47:2015/BTTTT (**) QCVN 113:2017/BTTTT (*) long QCVN 132:2022/BTTTT (***)	8517.11.00	A line phone set consists of a base station (Base Station) with one or more extension cordless telephones (clients) using DECT technology. The mobile handsets (clients) connect to the fixed network through the base station, which is a landline that connects calls to the fixed network.

2.2	Short-range radio transmitters and receivers for general purposes	<p>- For equipment operating in the frequency range 9 kHz - 25 MHz:</p> <p>QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 25 MHz - 1 GHz:</p> <p>QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 1 GHz - 40 GHz:</p> <p>QCVN 74:2020/BTTTT QCVN 96:2015/BTTTT (*)</p>	8517.62.59 8517.62.69	<p>Equipment with an external antenna connector and/or with an integrated antenna, intended for the transmission or reception of voice, images or other data; including devices using active NFC (Near Field Communication) technology.</p> <p>Not applicable to the equipment mentioned in item 4.1, Appendix II.</p>
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		<p>- For devices operating in the frequency band 40 GHz - 246 GHz:</p> <p>QCVN 123:2021/BTTTT</p> <p>QCVN 18:2014/BTTTT (*)</p>	<p>8517.62.59</p> <p>8526.10.10</p> <p>8526.10.90</p> <p>8526.92.00</p>	<p>Radio alarm equipment, radio magnetic control equipment, radio magnetometer equipment, general data transmission equipment, operating in the frequency range from 40 GHz to 246 GHz for cases : - There is a radio output connection with a separate antenna or with an integrated antenna; - Use any type of modulation; - Fixed equipment, mobile devices and handheld devices.</p> <p>Not applicable to the equipment mentioned in item 4.1, Appendix II.</p>
2.3	<p>Radio transceivers using in-band spread spectrum modulation</p> <p>2.4 GHz has the same isotropic radiation power</p> <p>(EIRP) 60 mW or more (a)</p>	<p>QCVN 54:2020/BTTTT</p> <p>QCVN 112:2017/BTTTT (*)</p>	<p>8517.62.51</p>	<p>WiFi receiver-transmitter equipment (WiFi modem, WiFi transmitter) used in the wireless intranet in the 2.4 GHz band (frequency band from 2400 MHz to 2483.5 MHz) with an equivalent isotropic radiated power (EIRP) of 60 mW or more, with or without incorporating one or more of the following functions:</p> <p>- 5 GHz band radio access; - Terrestrial mobile communication terminal; - Fifth generation mobile communication terminal (5G);</p>

				- Other short range radio transceivers.
			8806.21.00 8806.22.00 8806.23.00 8806.24.00 8806.29.00	Flycam (television camera, digital camera and video camera mounted on aircraft) using remote control technology a, transmits images by radio waves with spread spectrum modulation in the 2.4 GHz band (frequency band from 2400 MHz to 2483.5 MHz) and having an equivalent isotropic radiated power (EIRP) of 60 mW or more. go up.
			8806.21.00 8806.22.00 8806.23.00 8806.24.00 8806.29.00	UAV/Drone (flying vehicle controlled from a, can integrate television camera equipment, digital camera and video camera) using remote control technology a, transmitting images by radio waves spread spectrum in the 2.4 GHz band (frequency band from 2400 MHz to 2483.5 MHz) and having an equivalent isotropic radiated power (EIRP) of 60 mW or more. go up.
2.4	5 . band radio access equipment GHz has isotropic radiated power equivalent (EIRP) from 60 mW or more (a)	QCVN 65:2021/BTTTT (****) QCVN 112:2017/BTTTT (*)	8517.62.51	WiFi receiver-transmitter equipment (WiFi modem, WiFi transmitter) used in the wireless intranet in the 5 GHz band (the frequency band includes 3 sub-bands: 5150 MHz to 5350 MHz, 5470). MHz to 5725 MHz and 5725 MHz to 5850 MHz) with an equivalent isotropic radiated power (EIRP) of 60 mW or more, yes or no

				<p>integrate one or more of the following functions:</p> <ul style="list-style-type: none"> - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - Terrestrial mobile communication terminal; - Fifth generation mobile communication terminal (5G); - Other short range radio transceivers.
			<p>8806.21.00 8806.22.00 8806.23.00 8806.24.00 8806.29.00</p>	<p>Flycam (television camera, digital camera and video camera mounted on aircraft) uses remote control technology a, transmits images by radio waves with spread spectrum modulation in the 5 GHz band (band band) The number includes 3 subbands: 5150 MHz to 5350 MHz, 5470 MHz to 5725 MHz and 5725 MHz to 5850 MHz) and has an equivalent isotropic radiated power (EIRP) of 60 mW or more.</p>
			<p>8806.21.00 8806.22.00 8806.23.00 8806.24.00 8806.29.00</p>	<p>UAV/Drone (flying vehicle controlled from a, can integrate television camera equipment, digital camera and video camera) using remote control technology a, transmitting images by radio waves spread spectrum in the 5 GHz band (the frequency band includes 3 subbands: 5150 MHz to 5350 MHz, 5470 MHz to 5725 MHz and 5725 MHz to 5850</p>

				MHz) and having an equivalent isotropic radiated power (EIRP) of 60 mW or more.
2.5	Multi-Response Radar Device frequency band 24 GHz - 24.25 GHz: road traffic railway	- For equipment to operate in the frequency band 24 GHz - 24.25 GHz: road traffic QCVN 47:2015/BTTTT (**) or QCVN 96:2015/BTTTT (*)	8526.10.10 8526.10.90	Short range radar equipment operating in the frequency range 24 GHz - 24.25 GHz used for applications in traffic information (road or rail) such as cruise control, detection, warning, collision avoidance contact between the vehicle and the surrounding object.
2.6	Radio detection and warning equipment	- For equipment operating in the frequency range 9 kHz - 25 MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For equipment operating in the frequency band 25 MHz - 1 GHz: QCVN 47:2015/BTTTT (**) QCVN 96:2015/BTTTT (*)	8526.92.00	device consisting of a sensing element and a control system interconnected via a radio interface for radio detection and alarm purposes

2.7	Radio remote control equipment	<p>- For equipment operating in the frequency range 9 kHz - 25 MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 25 MHz - 1 GHz: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 1 GHz - 40 GHz: QCVN 74:2020/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For devices that are not within the scope of QCVN 73:2013/BTTTT, QCVN 74:2020/BTTTT: QCVN 47:2015/BTTTT (**) QCVN 96:2015/BTTTT (*)</p>	8526.92.00	Equipment using radio waves to control models, industrial and civil control.
2.8	Radio identification device (RFID)	<p>- For equipment operating in the frequency range 9 kHz - 25 MHz: QCVN 55:2011/BTTTT</p>	8517.62.59	The device uses radio waves to automatically identify, track, manage goods, people, animals and other applications. The device has two

		<p>QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 25 MHz - 1 GHz:</p> <p>QCVN 73:2013/BTTTT</p> <p>QCVN 96:2015/BTTTT (*)</p> <p>For equipment operating in the band 918.4 MHz - 923 MHz</p> <p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 96:2015/BTTTT (*)</p> <p>- For equipment operating in the frequency band 1 GHz - 40 GHz:</p> <p>QCVN 74:2020/BTTTT</p> <p>QCVN 96:2015/BTTTT (*)</p>		<p>separate blocks connected via radio interfaces: - Radio transceivers, which store information in the form of an electronic chip tag (RF tag), mounted on the object to be identified; Only applies to cards with power supply.</p> <p>- Radio transceiver (RF Reader) to activate the radio tag and receive the tag's information, transfer it to the data processing system.</p> <p>The radio identification device (RFID) in Section 4.2 of the List in Appendix II of this Circular is not included.</p>
2.9	Traffic toll collection device does not stop applying radio identification (RFID) technology	<p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 96:2015/BTTTT (*)</p>	8517.62.59	<p>The non-stop traffic toll collection device applies radio identification (RFID) technology in the band 920 MHz - 923 MHz with high power over 500 mW ERP, with two separate blocks connected via radio interface:</p> <p>- Radio transceivers, which store information in the form of electronic chip (RF tag) tags, are</p>

				<p>mounted on the object to be identified, only applicable to the type of card with power supply.</p> <p>- Radio transceiver (RF Reader) to activate the radio tag and receive the tag's information, transfer it to the data processing system.</p>
2.10	Wireless audio device	QCVN 91:2015/BTTTT QCVN 130:2022/BTTTT (*)	8518.10.11	Wireless microphone with operating frequency range of 25 MHz - 2000 MHz
			8518.10.19	
			8518.10.90	
			8518.21.10	Wireless speaker with 25 MHz operating frequency range - 2000 MHz
			8518.21.90	
			8518.22.10	
8518.22.90				
8518.29.20	Wireless headphones with a frequency range of 25 MHz - 2000 MHz			
8518.29.90				
8518.30.10	Wireless combo microphone/speaker with operating frequency range 25 MHz - 2000 MHz			
8518.30.20				
8518.30.51				
8518.30.59				
8518.30.90				

2.11	Data transmission device wideband data (UWB)	QCVN 47:2015/BTTTT (**) ultra- QCVN 94:2015/BTTTT (*)	8517.62.59	Equipment using ultra-wideband (UWB) technology for the transmission of fixed home or mobile information and handsets, including: - Stand-alone radio equipment with or without attached controls; - Modular plug-ins used to plug into various host devices, such as personal computers, handheld terminals, etc.; - Plug-in radio equipment used in combination equipment, eg cable modems, access points; Set Top Bo - Combination device or combination of plug-in radio equipment and a specific host device; - Equipment used in road and rail vehicles.
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Note: The implementation of regulation conformity certification and announcement of conformity of products and goods is specified in Appendix I for some specific cases as follows: () For this technical regulation, products and goods are not subject to certification of technical-regulation conformity but only announcement of technical-regulation conformity like products and goods on the list mentioned in Appendix II of this Circular. For QCVN 101:2020/BTTTT, it only applies to mobile phones and is only required to announce conformity with the requirements for safety characteristics specified in Article 2.6 of the regulation.*

() In addition to the requirements in QCVN 47:2015/BTTTT, products and goods must comply with Vietnam's radio frequency plans.**

*(***) Apply QCVN 132:2022/BTTTT from January 1, 2024; before January 1, 2024 apply the IEC standard 62368-1:2018.*

*(****) For QCVN 65:2021/BTTTT: in article 2.1.2 of QCVN 65:2021/BTTTT, formula (1) does not apply. (a) Not applicable to explosion-proof communication equipment. (b) The regulation conformity certification and declaration of conformity shall only be carried out when the equipment is suitable in terms of frequency bands and technical and operational conditions as prescribed in the Circular of the Minister of Information and Communications on the List of radio equipment is exempt from the license to use radio frequencies, the technical and operating conditions attached. (c) Short-range radio transmitter, receiver-transmitter means short-range radio equipment specified in the Circular of the Minister of Information and Communications providing for the list of radio equipment exempted from license. use of radio frequencies, technical and operating conditions attached.*

Short-range radio transmitters, transceivers and transceivers excluding radio receiver-only equipment; radio transceivers using spread spectrum modulation techniques in the 2.4 GHz band with an equivalent isotropic radiated power (EIRP) of less than 60 mW; 5 GHz radio access equipment with an equivalent isotropic radiated power (EIRP) of less than 60 mW. The regulation conformity certification and declaration of conformity shall only be carried out when the equipment is suitable in terms of frequency bands and technical and operational conditions as prescribed.

Appendix II
LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION AND COMMUNICATION TECHNOLOGY INDUSTRY
REQUIRED TO DISCLOSE THE FUND

(Issued together with the Circular No. 2023/TT-BTTTT dated May 2023 of the Minister of Information and Communications)

STT	Product name, item <small>chemistry</small>	Applicable technical regulations	HS code according to Circular No. 31/2022/TT-BTC	Description of products and goods
1	Information technology equipment			
1.1	Personal computer to table (Desktop computer)	QCVN 118:2018/BTTTT QCVN 132:2022/BTTTT(***)	8471.41.10	Equipment designed to be contained within the same enclosure, having at least one central processing unit, one input unit and one power unit, combined or not, with or without incorporating one or more functions Features: - Radio transceiver using spread spectrum modulation technique in the 2.4 GHz band; - 5 GHz band radio access; - W-CDMA FDD (3G) mobile communication terminal ; - E-UTRA FDD mobile terminal (4G); - Fifth generation mobile communication terminal (5G); - Transmit, receive and transmit short-range radio.

1.2	Laptop (Laptop and portable computer)	QCVN 118:2018/BTTTT QCVN 101:2020/BTTTT (*) QCVN 132:2022/BTTTT (***)	8471.30.20	Handcuff-type automatic data processing machine, weighing not more than 10 kg, consisting of at least one central data processing unit, one keyboard and one display, whether or not incorporating one or more functions : - Radio transceivers using spread spectrum modulation techniques in the 2.4 GHz band; - 5 GHz band radio access; - W-CDMA FDD (3G) mobile communication terminal ; - E-UTRA FDD mobile terminal (4G); - Fifth generation mobile communication terminal (5G); - Transmit, receive and transmit short-range radio.
1.3	Tablet (Tablet)	QCVN 118:2018/BTTTT QCVN 101:2020/BTTTT (*) QCVN 132:2022/BTTTT (***)	8471.30.90	Handcuff-type automatic data processing machine, weighing not more than 10 kg, consisting of at least one central data processing unit, one keyboard and one monitor (except notebooks, notebooks, subnotebooks) , with or without integrating one or more functions: - Radio transceivers using spread spectrum modulation in the 2.4 GHz band; - 5 GHz band radio access;

				- Short range radio transceiver.
2	Radio and television equipment			
2.1	TV set-top box (Set Top Bo) in the satellite television network (except for the DVB-S/ S2 satellite digital television set-top box)	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Equipment that decodes satellite television signals in analog form (analog), without information interaction function.
2.2	DVB-S/S2 . satellite digital TV decoder	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Receiver used to receive and decode satellite TV signals without encryption (Free To Air - FTA) DVB-S and/or DVB-S2 technology, support SDTV/HDTV, no communication function believe.
2.3	TV set-top box (Set Top Box) in the network digital cable television	QCVN 118:2018/BTTTT QCVN 132:2022/BTTTT (***)	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Equipment that decodes signals in cable television networks using digital. The device may or may not be able to interact with service providers.
2.4	TV set-top box (Set Top Bo) in the IPTV television network	QCVN 118:2018/BTTTT QCVN 132:2022/BTTTT (***)	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Signal decoding device in IPTV television network (television over internet). The device may or may not be able to interact with service providers.

2.5	DVB-T2 terrestrial digital television set-top box (Set Top Box DVB-T2)	QCVN 63:2020/BTTTT QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Decoding equipment for terrestrial digital television using DVB-T2 technology, without information interaction function.
2.6	Receiver with built-in DVB-T2 (iDTV) digital terrestrial television signal reception function	QCVN 63:2020/BTTTT QCVN 118:2018/BTTTT QCVN 132:2022/BTTTT (***)	8528.72.92 8528.72.99	The receiver used in television has the function of decoding terrestrial digital television signals using DVB-T2 technology. Designed for video or display mounting, colourful, battery-operated and does not use cathode ray tubes.
2.7	Amplifier equipment in cable television distribution system	QCVN 72:2013/BTTTT	8517.62.49	Equipment with the function of amplifying signals used in cable television networks (carrier wired systems or digital wired systems).
3	Equipment for transmitting, receiving and transmitting radio waves in the frequency band between 9 kHz and 400 GHz and with a transmitting power of 60 mW or more			
3.1	Radio transmitters, receivers and transmitters for use in the terrestrial mobile or fixed radiocommunication services			
3.1.1	Microwave device	- For point-to-point microwave devices - frequency range from 1.4 GHz to 55 GHz: QCVN 53:2017/BTTTT QCVN 18:2022/BTTTT	8517.62.59	The transmission device combined with the receiver device uses digital microwave technology.

		<p>- For digital microwave devices other than digital microwave devices - point frequency ranges from 1.4 GHz to 55 GHz:</p> <p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 18:2022/BTTTT</p>		
3.1.2	Trunk device ground power line (TETRA) ^(a)	QCVN 47:2015/BTTTT (**) QCVN 100:2015/BTTTT		TETRA terrestrial radio trunking equipment, including:
			8517.61.00	- Base station equipment (BS);
			8517.14.00	- Mobile phone (MS); - Mobile phone - direct mode (DM-MS); - Mobile phones - DW (DW-MS); - Repeater - direct mode (DM-REP), not telephone; - Repeater/gateway device - direct mode (DM REP/
			8517.62.59	GATE), not phone; - Repeater - trunk mode (TMO-REP), not telephone; - Gateway device - direct mode (DM- GATE), not phone; - Mobile equipment of TETRA radio communication systems, not telephones.
			8517.62.59 8517.62.69	

3.2	Specialized radio transmitters, receivers and transmitters for satellite communication (except for mobile devices used in navigation and aviation)			
3.2.1	VSAT devices operate in the band C	QCVN 38:2011/BTTTT QCVN 18:2022/BTTTT	8517.62.59	VSAT equipment (transmission equipment combined with receiving equipment) operates in the C-band of the geostationary orbit satellite communication service.
3.2.2	VSAT devices operate in the band To	QCVN 39:2011/BTTTT QCVN 18:2022/BTTTT	8517.62.59	VSAT equipment (transmission equipment combined with receiver) operates in the Ku band of the geostationary orbital satellite communication service.
3.2.3	Terrestrial mobile terminal station of the global system of mobile communications via non-geostationary satellites in the band 1 GHz - 3 GHz	QCVN 40:2011/BTTTT QCVN 18:2022/BTTTT	8517.62.59	Terrestrial mobile terminal station (equipment) of the global mobile communication system via non-geostationary satellite in the band 1 GHz - 3 GHz (transmission equipment combined with receiving equipment).
3.2.4	Mobile earth station equipment operates in the Ku band.	QCVN 116:2017/BTTTT	8517.62.59	Mobile earth station (MES) equipment (except aeronautical mobile earth stations, operating in the Ku band) operating in the frequency bands of the fixed-satellite (FSS) services transmitted in conjunction with the receiver): - 10.70 GHz to 11.70 GHz (space-to-earth dimension);

				- 12.50 GHz to 12.75 GHz (space-to-earth dimension); - 14.00 GHz to 14.25 GHz (from earth to space).
3.3	Radio transmitters, receivers and transmitters specialized for the maritime mobile service (including auxiliary equipment and satellite equipment)			
3.3.1	VHF radio transceivers of coastal stations of the GMDSS . system	QCVN 24:2011/BTTTT QCVN 119:2019/BTTTT		Transmitters and transceivers with external antenna connectors of coastal stations, operating in the VHF band of the maritime mobile service and using emission categories G3E, and G2B for DSC signaling:
			8517.62.53	- Analogue voice equipment, dial selection (DSC), or both;
			8517.62.59	- equipment operating in the band 156 MHz to 174 MHz; - Equipment operated by local control or remote control; - The equipment operates with a 25 kHz channel spacing; - The device operates in single-duplex, half-duplex and full-duplex modes; - The device may consist of several blocks; - The device can be single-channel or multi-channel;

				- equipment operating in shared radio areas; - The equipment operates separately from other radio equipment.
3.3.2	Telephone equipment Two-way VHF permanently installed on rescue ship <small>problem</small>	QCVN 26:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Two-way VHF radiotelephone equipment, operating in the band 156 MHz to 174 MHz, for use in the maritime mobile service and suitable for permanent installation on board rescue ships in the safety communication system and Global Maritime Rescue (GMDSS).
3.3.3	Inmarsat-C equipment used on ships	QCVN 28:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Inmarsat-C ground station equipment used on ships belongs to the Global Maritime Rescue and Safety Information System (GMDSS) (transmission equipment combined with receiver equipment).
3.3.4	Telephone equipment VHF for use on life-saving vehicles	QCVN 50:2020/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Portable VHF radiotelephone equipment operating in the maritime mobile service band from 156 MHz to 174 MHz; suitable for use on lifeboats and may be used in ships at sea.
3.3.5	Radio buoy indicating maritime emergency position (EPIRB) operates in the band 406.0 MHz to 406.1 MHz	QCVN 57:2018/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Radio buoy (telegraph transmission only) satellite emergency position indication (EPIRB) equipment operated in the COSPAS SARSAT satellite system for radio communication in the Maritime Rescue and Safety Information System Global

				(GMDSS).
3.3.6	Personal location beacon operating on the band 406.0 MHz to 406.1 MHz	QCVN 108:2016/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Float device (for telegraph only) indicating personal position (hereinafter referred to as PLB for short) operates in the COSPAS SARSAT satellite system. These PLBs operate in the 406.0 MHz to 406.1 MHz band and have a temperature range of: - -40 °C to +55 °C (class 1 PLB buoys), or - -20 °C to +55 °C (class 2 PLB buoy).
3.3.7	Inflatable float device emergency locator route (ELT)	QCVN 47:2015/BTTTT (**) QCVN 18:2022/BTTTT	8517.62.61	Equipment for transmitting emergency position signals using specialized radio waves on aircraft (ELT equipment).
3.3.8	Calling device select number DSC	QCVN 58:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Digital Selective Calling (DSC) equipment, other than telephone equipment operating in the MF, MF/HF and/or VHF bands in the global maritime distress and safety communication system (GMDSS) commonly used on ships and boats (transmission equipment combined with receiver equipment).
3.3.9	Transponder Search and rescue radar	QCVN 60:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	The multi-transponder transponder operates in the band 9200 MHz - 9500 MHz for search and rescue purposes (transmission equipment combined with receiver equipment).
3.3.10	Radiotele equipment for industrial use	QCVN 62:2011/BTTTT (****)	8517.62.59	Radiotelex equipment for use on board ships in distress and safety communication systems

	Maritime MF/HF service	QCVN 119:2019/BTTTT		global maritime transport (GMDSS) (transmitter combined with receiver).
3.3.11	Devices in the system automatic identification system (AIS) used on ships	QCVN 68:2013/BTTTT (****) QCVN 119:2019/BTTTT	8526.91.10	Radio navigation equipment, used in automatic identification systems used on ships (to determine the position of your ship and surrounding ships and boats within a certain range to adjust direction and speed) be suitable).
3.3.12	Self-identifying device automatically generates search reports search and rescue	QCVN 107:2016/BTTTT (****) QCVN 119:2019/BTTTT	8517.62.53	Automatic identification device for search and rescue alarm (AIS SART) (transmission device combined with receiver for telegraph).
3.3.13	Telephone equipment VHF for use by the maritime mobile service	QCVN 52:2020/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF transmitter for telephone and dialing (DSC), with an external antenna connector for use on ships.
3.3.14	MF and HF . radiotelephone equipment	QCVN 59:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Radio receivers and transmitters, for telephony, used on large vessels, operating only on medium frequency (MF) or in the medium and high frequency bands (MF/HF), allocated to the maritime mobile service (MMS), including: - Single edge modulation equipment (SSB) for voice transmission and reception (J3F); - Frequency shift locking device (FSK) or modulation The subcarrier's SSB has a key for transmission and reception

				and transmit digital selector calls (DSCs); - Radio equipment, not integrated with a DSC encoder or decoder, but which defines interfaces to such equipment.
3.3.15	UHF radiotelephone equipment	QCVN 61:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Radio equipment for telephones, installed in large ships and systems operating on UHF frequencies allocated for maritime mobile services.
3.3.16	Radar equipment used ships to go (b)	QCVN 47:2015/BTTTT (**) for QCVN 119:2019/BTTTT sea	8526.10.10 8526.10.90	All kinds of Radar equipment installed on seagoing vessels.
3.4	Specialized radio transmitters, receivers and transmitters for the aeronautical mobile service (including assistive devices and satellite equipment)			
3.4.1	Radio equipment in the aeronautical mobile service in the band 117,975 MHz - 137 MHz used on the ground using AM . modulation	QCVN 105:2016/BTTTT QCVN 106:2016/BTTTT		Transmitter or transmitter incorporating a VHF radio receiver with full carrier duplex amplitude modulation (DSB AM), with channel spacing of 8.33 kHz or 25 kHz for analog voice transmission to ACARS . The devices include:
			8517.61.00	- Ground base station equipment;
			8517.14.00 8517.62.59	- Mobile devices;

			8517.62.69	
			8517.14.00 8517.62.59 8517.62.69	- Handcuffs and hand-held devices for use on the ground.
3.4.2	Radio equipment in the aeronautical mobile service in the band 117,975 MHz - 137 MHz used on the ground	QCVN 47:2015/BTTTT (**) QCVN 106:2016/BTTTT		Radio equipment in the aeronautical mobile service may operate in all or part of the band 117.975 MHz - 137 MHz, including:
			8517.61.00	Ground base station equipment;
			8517.14.00 8517.62.59 8517.62.69	Mobile devices, handcuffs and handheld devices for use on the ground.
3.4.3	Landing angle indicator in aeronautical radio navigation systems	QCVN 104:2016/BTTTT QCVN 18:2022/BTTTT	8526.91.10	Landing angle devices in ground civil aviation radio navigation systems operating in the band 328.6 MHz to 335.4 MHz.
3.5	Radio transmitters and receivers specialized electricity for positioning and measuring from a (except for offshore equipment)	QCVN 47:2015/BTTTT (**) QCVN 18:2022/BTTTT	8517.62.59 8517.62.69	Radio transmitters, receivers and transmitters specialized for positioning and measuring from a (except for equipment used offshore for the oil and gas industry) but not for telegraph/telephone use.

	Oil and Gas)			
3.6	Radio navigation equipment	QCVN 47:2015/BTTTT (**) QCVN 18:2022/BTTTT	8526.91.10 8526.91.90	Radio-navigation equipment used for navigation and obstacle warning purposes in the radio-satellite, aeronautical, and aeronautical navigation services.
		QCVN 47:2015/BTTTT (**) QCVN 119:2019/BTTTT	8526.91.10 8526.91.90	Radio navigation equipment used for navigation and obstacle warning purposes in the maritime radionavigation and navigation satellite services.
3.7	Amateur radio equipment	QCVN 56:2011/BTTTT	8517.62.59	Radio transmitters, receivers and transmitters operate on the frequency band allocated to the amateur radio service (allocated according to the provisions of the National Radio Frequency Spectrum Planning).
3.8	Other devices	QCVN 47:2015/BTTTT (**) QCVN 18:2022/BTTTT	8517.62.59	- Radio transmitters, receivers and transmitters with the frequency band between 9 kHz and 400 GHz and with a transmitting power of 60 mW or more not listed in item 1 of the List in Appendix I and Section 3 of the List in Appendix II of this Circular. - Radio transmitters, receivers and transmitters with the frequency band between 9 kHz and 400 GHz and with a transmitting power of 60 mW or more
			8517.62.69 8517.62.99 8517.69.00 8526.10.10 8526.10.90 8526.91.10 8526.91.90	

			8526.92.00	listed in Section 1 of the List in Appendix I and Section 3 of the List in Appendix II of this Circular but not within the scope of the respective applicable technical regulations.
4	Short range radio transmitters, receivers and transmitters (c)			
4.1	Transmitters and receivers in the frequency band 26.957-27,283 MHz; long range radio transmission short for general purpose	<p>- For equipment operating in the band 13.553-13.567 MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT</p> <p>- Let the equipment operate at the frequency band 26.957-27,283 MHz; long range radio transmission short for general purpose 40.66-40.7 MHz: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT</p> <p>- For equipment operating in the bands 5725-5850 MHz, 24,00-24,25 GHz: QCVN 74:2020/BTTTT QCVN 96:2015/BTTTT</p>	8517.62.59 8517.62.69	Equipment with an external antenna connector and/or with an integrated antenna, intended for the transmission or reception of voice, images or other data; including devices using NFC (Near Field Communication) technology that actively operate in the bands 13,553-13,567 MHz, 26.957-27,283 MHz; 40.66-40.7 MHz, 5725-5850 MHz, 24.00-24.25 GHz.

		<p>- For equipment to operate in the bands 61.0-61.5 GHz, 122-123 GHz, 244-246 GHz:</p> <p>QCVN 123:2021/BTTTT</p> <p>QCVN 18:2022/BTTTT</p>	<p>8517.62.59</p> <p>8526.10.10</p> <p>8526.10.90</p> <p>8526.92.00</p>	<p>Radio warning equipment, radio magnetic control equipment, radio magnetometers, general data transmission equipment, operating in the bands 61.0-61.5 GHz, 122 - 123 GHz, 244-246 GHz for: - There is a radio output connection with a separate antenna or with an integrated antenna; - Use any type of modulation; - Fixed equipment, mobile devices and handheld devices.</p>
4.2	Radio Identification Device (RFID)	<p>For devices operating in the band 13,553 MHz – 13,567 MHz:</p> <p>QCVN 55:2011/BTTTT</p> <p>QCVN 96:2015/BTTTT</p>	<p>8517.62.59</p>	<p>The device uses radio waves to automatically identify, track, manage goods, people, animals and other applications, operating in the band 13,553 MHz - 13,567 MHz. The device has two separate blocks connected via a radio interface: - Radio transceiver, which stores information in the form of an electronic chip-carrying tag (RF tag), mounted on the object to be identified ; Only applies to cards with power supply.</p> <p>- Radio transceiver (RF Reader) to activate the radio tag and receive the tag's information, transfer it to the data processing system.</p>

4.3	Equipment Radar 76 GHz traffic	Let the device operate at range - 77 GHz: used in road or rail QCVN 124:2021/BTTTT QCVN 18:2022/BTTTT	8526.10.10 8526.10.90	Short range radar equipment operating in the 76 GHz - 77 GHz frequency band is used for applications in traffic information (road or railway) such as cruise control, detection, warning, collision avoidance between vehicles with cancerous objects.
4.4	Wireless charging device	QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT	8504.40.19 8504.40.90	Radio equipment transmits electrical energy and signals from the power supply to the device to be charged according to the principle of electromagnetic induction (electrostatic converter).
4.5	Radio Magnetic Measurement Equipment	QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT	8526.92.00	A radio magnetic measuring device that automatically displays or records measurement parameters and controls other equipment functions via a radio interface.
		QCVN 47:2015/BTTTT (**) QCVN 96:2015/BTTTT	8526.10.10 8526.10.90	Short range Radar device, operating in the 24 GHz - 24.25 GHz band, used for positioning applications, measuring distances (not the type of Radar used in road or rail traffic).).
4.6	Communication systems for implantable medical devices (MICS) and Measuring systems for medical devices	QCVN 47:2015/BTTTT (**) QCVN 96:2015/BTTTT	8517.62.59	Short-range radio transceiver, 401 MHz - 406 MHz band, fitted in programmers or sensors, transmitting data from the radio.

	implant (MITS)			
4.7	60 GHz band high-speed radio access equipment	QCVN 88:2015/BTTTT QCVN 112:2017/BTTTT	8517.62.51	High-speed, up-to-Gigabit radio access device for short-range WLAN or WPAN wireless personal network application operating in the 60 GHz band (not applicable to type of radio equipment for outdoor fixed LAN extension applications or fixed point-to-point radio transmission applications operating in the 60 GHz band).
4.8	Wireless digital image transmission device	QCVN 92:2015/BTTTT QCVN 93:2015/BTTTT		Wireless digital image transmission equipment operating in the frequency band from 1.3 GHz to 50 GHz, with a maximum allowable channel bandwidth of 5 MHz, 10 MHz, 20 MHz, including:
			8525.50.00	- Transmitter;
			8525.60.00	- The transmitter is attached to the receiver.

4.9	Transmitter and receiver equipment short range radio transmission	<p>- For equipment operating in the frequency band 9 kHz - 40 GHz:</p> <p>QCVN 47:2015/BTTTT (**)</p> <p>QCVN 96:2015/BTTTT (*) other</p> <p>- For equipment operating in the frequency band above 40 GHz:</p> <p>QCVN 18:2022/BTTTT</p>	<p>8517.62.59</p> <p>8526.10.10</p> <p>8526.10.90</p> <p>8526.92.00</p>	<p>- Short-range radio transmitters, transceivers and transceivers not listed in Section 2 of the List in Appendix I of this Circular and Section 4 of the List in Appendix II of this Circular; - Short-range radio transmitters, transceivers and transceivers listed in Section 2 of the List in Appendix I of this Circular and Section 4 of the List in Appendix II of this Circular but are not within the scope of this Circular. adjustment of the respective applicable technical regulations.</p>
5	Lithium battery for portable device			
5.1	Lithium batteries for notebook computers, mobile phones, tablets	QCVN 101:2020/BTTTT (*)	8507.60.90	Removable Lithium battery for mobile phones. Not applicable to removable Lithium Batteries which are backup batteries used to charge these devices.
			8507.60.31	Removable Lithium battery for laptops and tablets. Not applicable to removable Lithium Batteries which are backup batteries used to charge these devices.

Note: The declaration of conformity of products and goods mentioned in Appendix II for some specific cases is regulated as follows: (*) For QCVN 101:2020/BTTTT: only mandatory announcement conform to the requirements on safety characteristics specified in Article 2.6 of the regulation.

(**) In addition to the requirements in QCVN 47:2015/BTTTT, products and goods must comply with Vietnam's radio frequency plans. (***) Apply QCVN 132:2022/BTTTT from January 1, 2024.

*(****) For these QCVN, the requirements for electromagnetic compatibility mentioned in the regulation do not apply. (a) Not applicable to explosion-proof communication equipment. (b) Radar equipment used for seagoing ships is exempted from quality inspection according to Resolution 99/NQ-CP dated November 13, 2019 of the Government, but must still make a declaration of conformity before put to use. (c) Short-range radio transmitter, receiver-transmitter means short-range radio equipment specified in the Circular of the Minister of Information and Communications providing for the list of radio equipment exempted from license. use of radio frequencies, technical and operating conditions attached.*

Declaration of conformity is only made when the equipment is suitable in terms of frequency band and technical and operational conditions as prescribed.