

CIRCULAR

Amending and supplementing the Circular No. 11/2020/TT-BTTTT of the MIC Minister on stipulating the List of products and goods liable to cause unsafety under the governance of the Ministry of Information and Communications

Pursuant to the Law on quality of products and goods dated November 21th, 2007;
Pursuant to the Law on Telecommunications dated November 23rd, 2009;
Pursuant to the Law on Radio Frequency dated November 23rd, 2009;
Pursuant to the Law on Information Technology dated June 29th, 2006;
Pursuant to Decree No. 132/2008/ND-CP dated December 31st, 2008 promulgated by the Government on detailing the implementation of some articles of the Law on quality of products and goods, Decree No. 74/2018/ND-CP dated March 05th, 2018 promulgated by the Government on amending and supplementing some articles of Decree 132/2008/ND-CP promulgated by the Government on stipulating in detail the implementation of some articles of Law on quality of products and goods;
Pursuant to Decree No. 17/2017/ND-CP dated February 17th, 2017 promulgated by the Government regulating the functions, tasks, authority and organizational structure of the Ministry of Information and Communications;
Pursuant to the proposal of Director General of Department of Science and Technology, The Minister of Information and Communications issues the Circular prescribing Regulations on list of products and goods potentially cause unsafety under the governance of the Ministry of Information and Communications.

Article 1. Amending and supplementing the Circular No. 11/2020/TT-BTTTT dated May 14, 2020 of the MIC Minister on stipulating the List of products and goods liable to cause unsafety under the governance of the Ministry of Information and Communications

1. Replace the Annex I on the list of products and goods specialized in information technology and telecommunication requiring mandatory type approval certification and declaration of conformity by the Annex I on the list of products and goods specialized in information technology

and telecommunication requiring mandatory type approval certification and declaration of conformity attached to this Circular.

2. Replace the Annex II on the list of products and goods specialized in information technology and telecommunication requiring mandatory declaration of conformity by the Annex II on the list of products and goods specialized in information technology and telecommunication requiring mandatory declaration of conformity attached to this Circular.

Article 2. Effect

This Circular shall take effect from July 01, 2021.

Article 3. Provisions of implementation

Chief of MIC Office, General Director of Department of Science, Directors of other departments of MIC, Heads of agencies and authorities under the Ministry of Information and Communications, related organizations and individuals shall be responsible for the implementation this Circular./.

Recipients:

- Prime Minister, the Deputy Prime Minister (for reporting);
- The ministries, ministerial-level agencies, Governmental units;
- People's Committees of provinces and cities under Central authority;
- Department of Information and Communications provinces and cities under central authority;
- Bureau of Legal Normative Documents Post-Review (Ministry of Justice);
- Gazette, Government Web portal;
- MIC: Ministers and Deputy Ministers, Departments of MIC Web portal of MIC
- Archive: Filing, Department of Science and Technology (250).

THE MINISTER

(Signed and sealed)

Nguyễn Mạnh Hùng

Annex I

**THE LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION TECHNOLOGY AND TELECOMMUNICATION
REQUIRING MANDATORY TYPE APPROVAL CERTIFICATION AND DECLARATION OF CONFORMITY**

(Issued together with Circular No.01 /2020/ TT-BTTTT dated May 14, 2020 by Minister of Information and Communications)

No.	Names of products and goods	Applicable national technical regulations	HS codes according to Circular No.65/2017/TT-BTC	Description of products and goods
1	Terminal wireless radio equipment			
1.1	Wireless telephone equipment, DECT extension type	QCVN 47:2015/BTTTT QCVN 22:2010/BTTTT QCVN 113:2017/BTTTT (*)	8517.11.00	A telephone set consists of a base (Base Station) comes with one or more handheld wireless mobile phone (handset) using DECT technology. The handset connected to a PSTN land line via the base station, which radiates signals to handset, connecting them also to the PSTN.
1.2	Public land mobile communication terminal equipment			
1.2.1	Land mobile terminal equipment	QCVN 117:2020/BTTTT QCVN 86:2019/ BTTTT (*) QCVN 101:2020/BTTTT (*)	8517.12.00	Land mobile telephones using E-UTRA FDD technology integrated with or without one or more of following functions: - W-CDMA FDD mobile terminal; - GSM mobile terminal; - 5th generation of cellular network mobile terminal (5G); - Radio transceiving using spread spectrum modulation technique in the 2.4 GHz; - Accessing 5 GHz radio frequency band;

				-Transmitting, transceiving short-range radio frequency bands;
			8517.12.69	Land mobile terminal (transmitter combine with receiver) using or or more technologies of: E-UTRA FDD; W-CDMA FDD; GSM and may integrated with or without one or more of following functions: - 5th generation of cellular network mobile terminal (5G); - Radio transceiving using spread spectrum modulation technique in the 2.4 GHz; - Accessing 5 GHz radio frequency band; -Transmitting, transceiving short-range radio frequency bands;
1.2.2	Mobile terminal using 5th generation of cellular network (5G);	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*) QCVN 101:2020/BTTTT (*)	8517.12.00 8517.62.59	Telephones or mobile terminals (transmitter combine with receiver) using 5th generation of cellular network (5G) integrated with or without one or more of following functions: - Land mobile terminal; - Radio modulation technique using spread spectrum in the 2.4 GHz;

				<ul style="list-style-type: none"> - Accessing 5 GHz radio frequency band; - Transmitting, transceiving short-range radio frequency bands;
2	Radio transmitter, transceivers using radio frequency from 9 kHz to 400 GHz			
2.1	Radio transmitter, transceivers equipment in fixed and land mobile radio communication service			
2.1.1	GSM mobile communication base station equipment	QCVN 41:2016/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	<p>Base transceiver stations (BTS) used in a GSM network (2G) integrated with or without one or more of following functions:</p> <ul style="list-style-type: none"> - Base transceiver stations in network using W-CDMA FDD technology; - Base transceiver stations in network using E-UTRA FDD technology; - Base transceiver stations in network using 5th generation of cellular network (5G);
2.1.2	W-CDMA FDD mobile communication base station equipment	QCVN 16:2018/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	<p>Base transceiver stations (BTS) used in a W-CDMA FDD network (3G) integrated with or without one or more of following functions:</p> <ul style="list-style-type: none"> - Base transceiver stations in network using GSM technology; - Base transceiver stations in network using E-UTRA FDD technology; - Base transceiver stations in network using 5th generation of cellular network (5G);

2.1.3	E-UTRA FDD mobile communication base station equipment	QCVN 110:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base transceiver stations (BTS) used in a E-UTRA FDD network with or without one or two integrated or removable following functions: - Base transceiver stations in network using GSM technology; - Base transceiver stations in network using W-CDMA FDD technology - Base transceiver stations in network using 5th generation of cellular network (5G);
2.1.4	Land mobile radio equipment using an integral antenna intended primarily for analogue speech	QCVN 37:2018/BTTTT QCVN 18:2014/BTTTT (*)	8517.12.00	Hand-held radio transmitter having integrated antenna using angle modulation in land mobile radio communication service, primarily for analog speech, frequency range from 30 MHz to 1000 MHz, channel spacing is 12.5 kHz and 25 kHz.
2.1.5	Land mobile radio equipment having an external antenna connector intended for the transmission of data (and speech)	QCVN 42:2011/BTTTT QCVN 18:2014/BTTTT (*)	8517.61.00	Handheld radio transmitter and devices using combination of analog/digital speech having removable antenna for the purpose of data and/or voice transmission, including: - Base station equipment (antenna socket is used at a fixed location);
			8517.12.00	- Mobile station (with antenna socket commonly used on a means of transport or as a mobile station) or a handset for the purpose of transmitting data and/or speech

2.1.6	Land mobile radio equipment having an external antenna connector intended primarily for analogue speech	QCVN 43:2011/BTTTT QCVN 18:2014/BTTTT (*)		Radio equipment using angle modulation in land mobile radio communication service, frequency range from 30 MHz to 1000 MHz, channel spacing is 12.5 kHz and 25 kHz, used for analog speech, including:
			8517.61.00	- Base station equipment (having antenna socket);
			8517.12.00	- Mobile station equipment (having antenna socket)
			8517.12.00	- Handheld transmitter having antenna socket; or not having antenna socket (integral antenna equipment) but having fixed or temporary 50 Ω RF connector inside which allows connecting to output port of transmitter and input port of receiver.
2.1.7	Land mobile radio equipment having an integral antenna intended primarily for data transmission (and speech)	QCVN 44:2018/BTTTT QCVN 18:2014/BTTTT (*)	8517.12.00	Land mobile radio equipment using angle constant envelope modulation, operating frequency from 30 MHz to 1GHz, channel spacing is 12.5 kHz and 25 kHz, including digital radio handset or devices using combination of analog/digital, having integral antenna, for the purpose of data and/or speech transmission.

2.1.8	GSM cellular network repeater	QCVN 47:2015/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Equipment has function of receiving and repeating radio signals from GSM network (2G) integrated with or without one or more of following functions: - Repeating signals from W-CDMA FDD network; - Repeating signals from E-UTRA FDD network. - Repeating signal from 5th generation cellular network (5G);
2.1.9	W-CDMA FDD cellular network repeater	QCVN 66:2018/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Equipment has function of receiving and repeating radio signals from W-CDMA FDD (3G) network integrated with or without one or more of following functions: - Repeating signals from GSM network; - Repeating signals from E-UTRA FDD network. - Repeating signal from 5th generation cellular network (5G);
2.1.10	E-UTRA FDD cellular network repeater	QCVN 111:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Equipment has function of receiving and repeating radio signals from E-UTRA FDD (4G/LTE) network integrated with or without one or more of following functions: - Repeating signals from GSM network; - Repeating signals from W-CDMA FDD network. - Repeating signal from 5th generation cellular network (5G);

2.1.11	Base station equipment in 5th generation cellular network (5G)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.61.00	Base transceiver stations (BTS) used in a 5th generation cellular network (5G) integrated with or without one or more of following functions: - Base transceiver stations in network using GSM technology; - Base transceiver stations in network using W-CDMA FDD technology; - Base transceiver stations in network using E-UTRA FDD technology;
2.1.12	5th generation cellular network (5G) repeater	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.62.59	Equipment has function of receiving and repeating radio signals from E-UTRA FDD (4G/LTE) network integrated with or without one or more of following functions: - Repeating signals from GSM network; - Repeating signals from W-CDMA FDD network. - Repeating signals from E-UTRA FDD network.
2.1.13	Radio transmitters and transceiver used for LPWAN (***)	- For devices operate in 920 MHz - 923 MHz frequency band: + For device having maximum Tx power up to 25mW ERP: QCVN 122: 2020/BTTTT QCVN 18:2014/BTTTT (*)	8517.61.00 8517.62.21 8517.62.59 8517.62.69 8517.62.99 8517.69.00	Base station equipment, radio access equipment or terminal equipment having function of sensing, measure, record, and transmit measured data via radio interface

		<p>+ For device having maximum Tx power more than 25mW ERP: QCVN 47: 2015/BTTTT QCVN 18:2014/BTTTT (*)</p> <p>- For devices operate in 433.05 MHz – 434.79 MHz frequency band: QCVN 47: 2015/BTTTT QCVN 18:2014/BTTTT (*)</p>	<p>9015.10.90 9026.80.20</p>	<p>Sensor having function of measuring environment data and transmit measured data via radio interface</p>
2.2	Radio transmitters, transceivers used in television broadcasting service			
2.2.1	DVB-T2 broadcaster	QCVN 77:2013/BTTTT	8525.50.00	Radio transmitter for broadcasting services using DVB-T2 terrestrial digital standard with a bandwidth of 8 MHz channel.
2.3	Radio transmitters, transceiver equipment used in sound broadcasting service			
2.3.1	Sound broadcasting service transmitter / transceiver use amplitude modulated (AM) technique	QCVN 29:2011/BTTTT	8525.50.00	Radio equipment using amplitude modulated technique (AM) in sound broadcasting service, operating frequency in the medium wave band (from 526.5 kHz to 1606.5 kHz) and short-wave band (from 3.2 MHz to 26.1 MHz).
2.3.2	Sound broadcasting service transmitter / transceiver use	QCVN 30:2011/BTTTT	8525.50.00	Radio equipment using frequency modulated technique (FM) in sound broadcasting service, operated in both mono and stereo mode, frequency range: 68 MHz ÷ 108 MHz.

	frequency modulated (FM) technique			
2.3.3	Sound broadcasting service device use frequency modulated (FM) technique operating from 54 MHz to 68 MHz	QCVN 70:2013/BTTTT	8525.50.00	Wireless radio equipment using frequency modulated technique (FM), operating from 54 MHz to 68 MHz, working in mono mode.
2.4	Radar equipment			
2.4.1	Radar equipment (excluding radars used on maritime vessels and radars under short-range transmitter / transceiver group)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8526.10.10 8526.10.90	All kinds of ground radar equipment or fitted on civil aircraft excluding radars used on maritime vessels and radars under short-range transmitter / transceiver group

2.5	Super high frequency digital transmission equipment			
2.5.1	Super high frequency digital transmission equipment	<ul style="list-style-type: none"> - Point-to-point SHF equipment using frequency band in between 1.4 GHz – 55 GHz: QCVN 53:2017/BTTTT QCVN 18:2014/BTTTT (*) - Non Point-to-point SHF equipment using frequency band in between 1.4 GHz – 55 GHz QCVN 47:2015/BTTTT QCVN 18: 2014/BTTTT (*) 	8517.62.59	Transmission radio equipment in combination with receiver used in digital microwave technology.
3	Short-range radio transmitter and transceiver (**)			
3.1	Short-range radio transmitter and transceiver used for	<ul style="list-style-type: none"> - For devices operate in 9 kHz - 25 MHz frequency band: 	8525.50.00	Personal FM transmitter;

	non-specific application	<p>QCVN 55: 2011/BTTTT QCVN 96: 2015/BTTTT (*)</p> <p>- For devices operate in 25 MHz - 1 GHz frequency band: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For devices operate in 1 GHz - 40 GHz frequency band: QCVN 74:2020/BTTTT QCVN 96:2015/BTTTT (*)</p>	<p>8517.62.59 8517.62.69</p>	<p>Device has external antenna connector and/or integrated antenna for the transmission or record of speech, image or other data forms, including active NFC (Near Field Communications) device</p>
3.2	Radio equipment operating in the 2.4 GHz band and using spread spectrum modulation techniques having equivalent isotropic radiated output power from 60 mW or upwards	<p>QCVN 54: 2020/BTTTT QCVN 112: 2017/BTTTT (*)</p>	<p>8517.62.51</p>	<p>Wi-Fi transceivers used in WLAN, operating in 2.4 GHz band (Wi-Fi modem, access point) having equivalent isotropic radiated output power from 60 mW upward, integrated with or without one or more of following functions:</p> <ul style="list-style-type: none"> - Radio access in 5 GHz band; - Land mobile terminal; - 5th generation cellular network (5G) mobile terminal; - Others short-range radio band transceiver.

			8525.80.40	Flycam (TV camera, digital camera, camera fixed on fly equipment) which are remote controllable, transmit image by using spread spectrum modulation techniques in the 2.4 GHz band, having EIRP power from 60 mW upwards.
			8802.20.90	UAV/Drone (aircraft integrated with TV camera, digital camera, image record camera) remote-controlled and transmit image by using spread spectrum modulation and techniques in the 2.4 GHz band, having EIRP power from 60mW upward
3.3	Radio access equipment operating in the 5 GHz band and using spread spectrum modulation techniques having equivalent isotropic radiated output power from 60 mW or upwards	QCVN 65:2013/BTTTT QCVN 112:2017/BTTTT (*)	8517.62.51	<p>Wi-Fi transceivers used in WLAN, operating in 5 GHz band (Wi-Fi modem, access point), having equivalent isotropic radiated output power from 60 mW upward, and integrated with or without one or more of following functions:</p> <ul style="list-style-type: none"> - Radio transceiving in 2.4 GHz band and using spread spectrum modulation technique; - Land mobile terminal; - 5th generation cellular network (5G) mobile terminal; - Others short-range radio band transceiver.

			8525.80.40	Flycam (TV camera, digital camera, camera fixed on fly equipment) which are remote controllable, transmit image by using spread spectrum modulation techniques in the 5 GHz band, having EIRP power from 60 mW upward
			8802.20.90	UAV/Drone (aircraft integrated with TV camera, digital camera, image record camera) remote-controlled and transmit image by using spread spectrum modulation and techniques in the 2.4 GHz band, having EIRP power from 60mW upward
3.4	Radar used for roadway or railway traffic application	<p>- For device operating in 24 GHz – 24.25 GHz band: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)</p> <p>- For device operating in 76 GHz – 81 GHz: QCVN 18:2014/BTTTT (*)</p>	8526.10.10	Short-range radar used for traffic information application (roadway or railway) such as navigation, detecting objects, alarming, and avoid collision between transportation means with surrounding objects
3.5	Radio frequency detection and alarm equipment	<p>- For device operating in 9 kHz – 25 MHz frequency band: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*)</p>	8526.92.00	Equipment which contains sensor and control system connected to each other by radio interface, used for radio detection and alarm purpose

		<ul style="list-style-type: none"> - For device operating in 25 MHz – 1 GHz frequency band: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*) 		
3.6	Radio controller remote	<ul style="list-style-type: none"> - For device operating in 9 kHz – 25 MHz frequency band: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For device operating in 25 MHz – 1 GHz frequency band: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*) - For device operating in 1 GHz – 40 GHz frequency band: QCVN 74:2020/BTTTT QCVN 96:2015/BTTTT (*) 	8526.92.00	Equipment uses radio waves to control models in industrial and civil application

3.7	RFID equipment	<ul style="list-style-type: none"> - For device operating in 9 kHz – 25 MHz frequency band: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For device operating in 25 MHz – 1 GHz frequency band: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*) - For device operating in 1 GHz – 40 GHz frequency band: QCVN 74:2013/BTTTT QCVN 96:2015/BTTTT (*) 	8517.62.59	<p>Equipment uses radio waves to automatically identify, track, manage goods, people, animals and other applications. it consists of two separate blocks connected to each other via a radio interface:</p> <ul style="list-style-type: none"> - Radio transceivers, which store information in the form of electronic chip tags (RF tags) mounted on the object to be identified; only applicable for RF tags has its own power source. - Radio transceiver (RF Reader) for activating radio card and receiving card information, transferring to data processing system.
3.8	Non-stop traffic toll collectors use RFID radio identification technology	<p>QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)</p>	8517.62.59	<p>Non-stop traffic toll collectors use RFID radio identification technology operate in 920-923 Mhz band with Tx power exceed 500mW ERP, consists of two blocks connected to each other via radio interface:</p> <ul style="list-style-type: none"> - Radio transceivers, which store information in the form of electronic chip tags (RF tags) mounted on the object to be identified; only applicable for RF tags has its own power source. - Radio transceiver (RF Reader) for activating radio card and receiving card information, transferring to data processing system.

3.9	Wireless sound equipment operating in frequency range from 25 MHz to 2000 MHz	QCVN 91:2015/BTTTT	8518.10.11 8518.10.19 8518.10.90	Wireless microphone operates in 25 MHz ~ 2000 MHz band
			8518.21.10 8518.21.90 8518.22.10 8518.22.90 8518.29.20 8518.29.90	Wireless speaker operates in 25 MHz ~ 2000 MHz band
			8518.30.10 8518.30.20	Wireless headphone, earphone operates in 25 MHz ~ 2000 MHz band
			8518.30.51 8518.30.59 8518.30.90	Combination of wireless microphone and speaker operates in 25 MHz ~ 2000 MHz band

4.0	Ultra-WideBand (UWB) information equipment	QCVN 47:2015/BTTTT QCVN 94:2015/BTTTT (*)	8517.62.59	<p>Equipment using ultra-wideband technology (UWB) for fixed indoor or mobile and portable applications, including:</p> <ul style="list-style-type: none"> - Independent radio equipment with or without controller; - Wireless device in module format (plug-in device) used to plug into main devices, such as personal computers, handheld terminals ...; - The radio equipment is used in plug-in device combinations, such as cable modems, set-top boxes, access points; - Equipment combinations or combinations of radio plug-in equipment and a specific main device; - Equipment uses in road and railways transportation means.
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4.1	Other short-range radio transmitter and transceiver	<ul style="list-style-type: none"> - For device operating 9 kHz - 40 GHz frequency band: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*) - For device operating in frequency band above 40 GHz: QCVN 18: 2014/BTTTT (*) 	8517.62.59	<ul style="list-style-type: none"> - Short range device which has not been listed at item 3 of Annex I and item 5 of Annex II of this Circular - Short range device which has been listed at item 3 of Annex I and item 5 of Annex II of this Circular but out of application scope of relevant national technical regulations
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Note: The implementation of Type approval certification and Declaration of Conformity for products, goods specified in Annex I for some specific cases regulated as follows:

() For this standard, the device shall not be subjected to Type Approval certification but only applied for Declaration of Conformity certification as devices listed in Annex II of this Circular. QCVN 101:2020/BTTTT is only applicable to mobile phone and subject to safety declaration which provided in Article 2.6 of this national technical regulation.*

*(**) Short-range radio transmitters, transceivers are defined in circular issued by MIC Minister to regulate the list of license-free frequency bands and accompanying technical and operational conditions. Short-range devices do not include receiver; Radio equipment operating in the 2.4 GHz band and using spread spectrum modulation techniques with EIRP power less than 60mW; Radio access equipment operating in the 5 GHz band with EIRP power less than 60 mW. Type Approval certification and Declaration of Conformity shall be allowed only when the device meet the requirement of frequency range and according technical and operational conditions.*

*(***) Type Approval certification and Declaration of Conformity shall be allowed only when the device meet the requirement of frequency range and according technical and operational conditions stipulated by circular issued by MIC Minister to regulate the list of license-free frequency bands and accompanying technical and operational conditions.*

Annex II

**THE LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION TECHNOLOGY AND
TELECOMMUNICATION REQUIRING MANDATORY DECLARATION OF CONFORMITY**

(Issued together with Circular No. 01/2020/ TT-BTTTT dated May 14, 2021 by Minister of Information and Communications)

No.	Names of products and goods	Applicable national technical regulations	HS codes according to Circular No.65/2017/TT-BTC	Description of products and goods
1	Information technology equipment			
1.1	Desktop personal computer (desktop computer)	QCVN 118:2018/BTTTT	8471.41.10	Equipment contain all parts in sole cover with at least a processing chip set, a unit of input and output, combined or separated, integrated with or without one or more of following functions: - Radio transceiver uses spread spectrum modulation technique in the 2.4 GHz band; - Radio access in 5 GHz band.
1.2	Portable computer (laptop, notebook, and portable computers)	QCVN 118:2018/BTTTT QCVN 101:2020/BTTTT (*)	8471.30.20	Automatically data processing machine, portable, weighing less than 10 kg, consisting of at least one unit of data processing center, a keyboard and a screen, integrated with or without one or more of following functions:

				<ul style="list-style-type: none"> - Radio transceiver uses spread spectrum modulation technique in the 2.4 GHz band; - Radio access in 5 GHz band; - Mobile terminal using W-CDMA FDD; - Mobile terminal using E-UTRA FDD; - Mobile terminal using 5th generation of cellular network (5G); - Short range radio transceivers.
1.3	Tablet computer (Tablet)	QCVN 118:2018/BTTTT QCVN 101:2020/BTTTT (*)	8471.30.90	Automatically data processing machine, portable, weighing less than 10 kg, consisting of at least one unit of data processing center, a keyboard and a screen (except for laptop, notebook, subnotebooks), integrated with or without one or more of following functions: <ul style="list-style-type: none"> - Radio transceiver uses spread spectrum modulation technique in the 2.4 GHz band; - Radio access in 5 GHz band; - Short range radio transceivers.
2	Sound and television broadcasting equipment			
2.1	Set Top Box used for satellite television network	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Satellite TV signals decoder uses analog without information interactive functions.

	(except for DVB-S/S2 Set Top Box)			
2.2	DVB-S/S2 Set Top Box used for satellite television network	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Receiver used to receive, decode unencrypted satellite signals (Free To Air - FTA) by using DVB-S and / or DVB-S2 technology, and support SDTV/HDTV, without information interactive function.
2.3	Set Top Box used for digital cable television network	QCVN 118:2018/BTTTT	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Decoder used in digital cable television network, with or without information interactive function with service providers
2.4	Set Top Box used for IPTV television network	QCVN 118:2018/BTTTT	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Decoder used in IPTV television network, with or without information interactive function with service providers
2.5	Digital Video Broadcasting — Second Generation Terrestrial (DVB-T2) Set Top Box	QCVN 63:2020/BTTTT QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Television signals decoder using digital terrestrial DVB-T2 technology, without information interactive function.
2.6	DVB-T2 integrated Television (iDTV)	QCVN 63:2020/BTTTT QCVN 118:2018/BTTTT	8528.72.92 8528.72.99	Receiver used to decode television signals using digital terrestrial DVB-T2 technology. Design for mounting devices or video screens, colored, non-battery operated and do not use ray tube cathode.

2.7	Amplifier used in television cabled distribution network	QCVN 72:2013/BTTTT	8517.62.49	Equipment, which has signal amplifying function, used in television cabled distribution network (wireline carrier system or a wired system digital).
3	Wireless information terminal equipment			
3.1	Cordless telephone extensions (Subscriber type)	QCVN 10:2010/BTTTT QCVN 22:2010/BTTTT QCVN 18:2014/BTTTT		Wireless subscriber extensions telephone with transmitter power to 25W on PSTN landline, used to transmit analogue signal and is connected to the landline via analog two-wire interface (except for DECT device). This device consists of two separate blocks are connected together via the radio interface:
			8517.11.00	- Central unit (Base station or master unit): is fixed and connected to the phone wire public telephone network (PSTN); using the integrated antenna or external antenna connector.
			8517.11.00	- Mobile unit (slaver unit): The handset uses integrated antenna and put on desk or mounted on mobile vehicle with external antenna connector. The telephone number shall be identified based on the central unit and it is cable of entering a conversation with central unit.

4	Radio transmitters, transceivers operating in between 9 kHz and 400 GHz band, having output power from 60mW upwards.									
4.1	Radio transmitters, transceivers used in the land wireless information fixed or mobile service									
4.1.1	Angle-modulated radio equipment using 27 MHz citizen's band	QCVN 23:2011/BTTTT QCVN 18:2014/BTTTT		<p>Radio equipment using constant envelope modulation in land mobile service, using the available bandwidth, operating in the frequency range under the 27 MHz citizen's band, with channel spacing of 10 kHz for speech and data transmission, including:</p> <table border="1" data-bbox="1361 730 2051 1107"> <tr> <td data-bbox="1090 730 1361 831">8517.61.00</td> <td data-bbox="1361 730 2051 831">Base station (device which has antenna socket, used at fixed locations)</td> </tr> <tr> <td data-bbox="1090 831 1361 970">8517.12.00</td> <td data-bbox="1361 831 2051 970">Mobile equipment (device with antenna socket, normally used on vehicles or mobile stations) for transmission of speech and data</td> </tr> <tr> <td data-bbox="1090 970 1361 1107">8517.12.00</td> <td data-bbox="1361 970 2051 1107">Handset (with antenna socket; or no external antenna socket) for transmission of speech and data.</td> </tr> </table>	8517.61.00	Base station (device which has antenna socket, used at fixed locations)	8517.12.00	Mobile equipment (device with antenna socket, normally used on vehicles or mobile stations) for transmission of speech and data	8517.12.00	Handset (with antenna socket; or no external antenna socket) for transmission of speech and data.
8517.61.00	Base station (device which has antenna socket, used at fixed locations)									
8517.12.00	Mobile equipment (device with antenna socket, normally used on vehicles or mobile stations) for transmission of speech and data									
8517.12.00	Handset (with antenna socket; or no external antenna socket) for transmission of speech and data.									

4.1.2	Double side band and/or single side band amplitude modulated radio equipment using 27 MHz citizen's band	<p>- For equipment single-side band amplitude modulation with ERP output power up to 4W and double-side band amplitude modulation with ERP output power up to 1W: QCVN 25: 2011/BTTTT QCVN 18: 2014/BTTTT</p> <p>- For equipment single-side band amplitude modulation with ERP output power from 4W up to 12W and double-side band amplitude modulation with ERP output power from 1W up to 4W: QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT</p>		Analog radio equipment and combined analog-digital equipment with integrated or external antenna, operating in the 27 MHz citizen's band, single-side band or double side band modulation, channel spacing 10 kHz, used to transmit speech and data, including:
			8517.61.00	Base station (device which has antenna socket, used at fixed locations)
			8517.12.00	Mobile equipment (device with antenna socket, normally used on vehicles or mobile stations) for transmission of speech and data
			8517.62.59	Mobile equipment (device with antenna socket, normally used on vehicles or mobile stations) for data transmission
			8517.12.00	Handset (with antenna socket; or no external antenna socket) for transmission of speech and data.
			8517.62.59	Handset (with antenna socket; or no external antenna socket) for data transmission
4.1.3	Low-Data-Rate data transmission equipment operating in the 5.8 GHz	QCVN 75:2013/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Low-Data-Rate data transmission equipment operating in the 5.8 GHz band used for road traffic applications (transmission combined with receiver)

	band used for transport application			<ul style="list-style-type: none"> - Having radio output connector and antenna or integrated antenna - Only use for data transmission; - Upload and download data rate up to 31.5 kbit/s; - Operating in the radio frequency band in between 5725 MHz to 5875 MHz.
4.1.4	High-Data-Rate data transmission equipment operating in the 5.8 GHz band used for transport application	QCVN 76:2013/BTTTT QCVN 18:2014/BTTTT	8517.62.59	<p>High-Data-Rate data transmission equipment operating in the 5.8 GHz band used for traffic and transport application (transmission combined with receiver)</p> <ul style="list-style-type: none"> - Having radio output connector and antenna or integrated antenna - Only use for data transmission; - Upload and download data rate up to 31.5 kbit/s; - Operating in the radio frequency band in between 5725 MHz to 5875 MHz.
4.1.5	Medium-Data-Rate data transmission equipment operating in the 5.8 GHz band used for transport application	QCVN 99:2015/BTTTT QCVN 18:2014/BTTTT	8517.62.59	<p>Medium-Data-Rate data transmission equipment operating in the 5.8 GHz band used for road traffic application (transmission combined with receiver)</p> <ul style="list-style-type: none"> - Having radio output connector and antenna or integrated antenna - Only use for data transmission;

				<ul style="list-style-type: none"> - Upload and download data rate up to 31.5 kbit/s; - Operating in the radio frequency range from 5725 MHz to 5875 MHz.
4.1.6	TETRA equipment	QCVN 47:2015/BTTTT QCVN 100:2015/BTTTT		TETRA trunking equipment for land mobile service, including:
			8517.61.00	- Base Station (BS);
			8517.12.00	<ul style="list-style-type: none"> - Portable mobile phone (MS); - Portable mobile phone - direct mode (DM-MS); - Portable mobile phone - DW (DW-MS);
			8517.62.59	<ul style="list-style-type: none"> - Repeater - direct mode (DM-REP) (DM-REP), except for phone; - Repeater/gateway - direct mode (DM-REP / GATE) (DM-REP/GATE), except for phone; - Repeater - trunked mode (TMO-REP), except for phone;
			8517.62.59 8517.62.69	<ul style="list-style-type: none"> - Gateway – direct mode (DM-GATE), except for phone; - Mobile equipment of TETRA radio communication system, except the phone.

4.2	Radio transmitters, transceivers used for satellite communication service (except for devices used in the maritime and aeronautical mobile service)			
4.2.1	C-band VSAT equipment	QCVN 38:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	VSAT equipment (transmission equipment combined with receiver) operating in C band of satellite communication services via geostationary orbit satellite.
4.2.2	Ku-band VSAT equipment	QCVN 39:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	VSAT equipment (transmission equipment combined with receiver) operating in Ku band of satellite communication services via geostationary orbit satellite.
4.2.3	Mobile earth stations for Global Non-Geostationary Mobile – Satellite Service Systems operate in 1GHz - 3 GHz band	QCVN 40:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Mobile earth terminal station (equipment) in non-geostationary global satellite communicating systems global operating in 1 GHz - 3 GHz band (transmission equipment combined with receiver)
4.2.4	Ku-band land mobile station	QCVN 116:2017/BTTTT	8517.62.59	Land mobile earth station (MES) (except the aeronautical station mobile, operating in Ku band) operating in the frequency range of the Fixed Service Satellite (FSS) (transmission equipment combined with receiver): <ul style="list-style-type: none"> - 10.70 GHz to 11.70 GHz (from-space-to-Earth); - 12.50 GHz to 12.75 GHz (from-space-to-Earth); - 14.00 GHz to 14.25 GHz (from-space-to-Earth).

4.3	Radio transmitters, transceivers used for maritime mobile services (including additional equipment, satellite equipment)			
4.3.1	VHF transceiver used for GMDSS coast station	QCVN 24:2011/BTTTT QCVN 119:2019/BTTTT		Radio transmitter, transceiver with external antenna connector of the coastal stations, operating in the VHF band of the maritime mobile service and use G3E, and G2B radiation for DSC signaling.
			8517.62.53	- Analog telephone or digital selective calling (DSC) telephone, or both;
			8517.62.59	<ul style="list-style-type: none"> - Equipment operating in 156 MHz ~ 174 MHz frequency bands; - Remote or local controllable equipment - The equipment operates with 25 kHz channel spacing; - Equipment operating in simplex mode, demi- duplex mode and duplex mode; - Equipment may consist of several blocks - Equipment may be single-channel or multi-channel; - Equipment operating in shared-radio area; - Equipment operates individually with other wireless radio device.

4.3.2	Two-way VHF radiotelephone for fixed installation in survival craft	QCVN 26:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Two-way VHF radiotelephone operating in 156 MHz ~ 174 MHz frequency band for maritime mobile service, properly for fixed installation on survival craft of Global Maritime Distress and Safety System (GMDSS).
4.3.3	Inmarsat-C equipment used on vessel.	QCVN 28:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Inmarsat-C ship earth station equipment used on vessels which equipped with Global Maritime Distress and Safety System (GMDSS) (transmission equipment combined with receiver).
4.3.4	VHF radiotelephone used on the survival craft	QCVN 50:2020/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF handheld radiotelephone used on the survival craft operating in 156 MHz ~ 174 MHz band for maritime mobile service; properly for use on survival craft and can be used in ships.
4.3.5	Emergency Position Indicating Radio Beacons (EPIRB) operate in 406.0 MHz - 406.1 MHz band	QCVN 57:2018/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Emergency Position Indicating Radio Beacons (EPIRB) (only available for telegraph) operate via COSPAS-SARSAT satellite systems for radio communication system in Global Maritime Distress and Safety System (GMDSS).
4.3.6	Personal Emergency Position Indicating Radio Beacons operate in the	QCVN 108:2016/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Personal Locator Beacons (only for telegraph) (hereinafter referred to as PLB) operate via Cospas-SARSAT satellites system. PLB

	406.0 MHz – 406.1 MHz frequency band			operates in 406.0 MHz to 406.1 MHz frequency band and within below temperature ranges: - From -40 °C to 55 °C (PLB type 1), or - From -20 °C to 55 °C (PLB type 2).
4.3.7	DSC Digital Selective Calling telephone	QCVN 58:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Digital Selective Calling telephone, but not the telephone equipment operating in MF, MF/HF and/or VHF the frequency bands used in Global Maritime Distress and Safety System (GMDSS), which is often used on ships and boats (transmission equipment combined with receiver).
4.3.8	Transponders for search and rescue	QCVN 60:2011/BTTTT QCVN 119:2019/BTTTT	8526.10.10	Radar transponder operating in 9200 ÷ 9500 MHz the frequency band for the purpose of searching and rescue.
4.3.9	Radiotelex equipment used for maritime MF/HF service.	QCVN 62:2011/BTTTT (**) QCVN 119:2019/BTTTT	8517.62.59	Radio telex device used on vessels in Global Maritime Distress and safety system (GMDSS) (transmission equipment combined with receiver).
4.3.10	Inmarsat F77 equipment used on ship.	QCVN 67:2013/BTTTT (**) QCVN 119:2019/BTTTT	8517.62.59	Inmarsat F77 ship earth station equipment (SES) used for Global Maritime Distress and safety system (GMDSS) (transmission equipment combined with receiver).
4.3.11	Automatic Identification System (AIS) equipment used on ship	QCVN 68:2013/BTTTT (**) QCVN 119:2019/BTTTT	8526.91.10	Radio navigator used in the Automatic Identification System for vessels (identify the ship's location and the ships and boats around in

				a certain range to adjust the speed and direction accordingly).
4.3.12	Automatic identification transponder used for search and rescue	QCVN 107:2016/BTTTT (**) QCVN 119:2019/BTTTT	8517.62.53	Transponder used in Automatic Identification System for search and rescue (AIS SART) (transmission equipment combined with receiver used for telegraphy).
4.3.13	VHF radio telephone used on rivers	QCVN 51:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF radio transmitter operates in the maritime mobile service frequency band for use on the river.
4.3.14	VHF radio telephone used for maritime mobile service	QCVN 52:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF radio transmitter used for telephone and Digital Selective Calling telephone (DSC), having external antenna connector, used on ships and boats.
4.3.15	MF and HF radio telephone	QCVN 59:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Receivers, radio transmitters used on large vessels, operating at medium frequency band (MF) or in the frequency band of medium and high frequency (MF/HF) which are allocated to maritime mobile service (MMS) only, including: <ul style="list-style-type: none"> - Single-side band modulation device (SSB) for transmitting and receiving speech (J3F); - Frequency shift keying (FSK) or SSB modulated device of the locked subcarrier to transmit and receive Digital Selective Calling signal (DSC);

				- The wireless device, not integrated with the encoder or decoder DSC, but define the interfaces with such devices.
4.3.16	UHF radio telephone	QCVN 61:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	UHF radio equipment installed on large vessels and operates in frequency band allocated for maritime mobile service
4.3.17	Radar use for maritime ships and vessels (****)	QCVN 47:2015/BTTTT QCVN 119:2019/BTTTT	8517.18.00 8517.18.00	All kinds of radars for installation on maritime ships and vessels
4.4	Radio transmitters, transceivers used for mobile aeronautical (including supporting equipment, satellite equipment)			
4.4.1	Amplitude modulated (AM) land radio equipment used in aeronautical mobile service, operating in 117.975 – 137 MHz band	QCVN 105:2016/BTTTT QCVN 106:2016/BTTTT		Double-sideband radio transmitter or combined with VHF receiver (DSB AM), with 8.33 kHz channel spacing or 25 kHz for analog telephone to transmit information to the ACARS. These devices include:
			8517.61.00	Land base station;
			8517.12.00 8517.62.59 8517.62.69	Mobile devices
			8517.12.00 8517.62.59 8517.62.69	Portable and handheld devices used on land

4.4.2	Land radio equipment used in aeronautical mobile service, operates in 117.975 – 137 MHz band	QCVN 47:2015/BTTTT QCVN 106:2016/BTTTT		Land radio equipment used for aeronautical mobile service, operate in all or one part of the 117.975 MHz ~ 137 MHz frequency bands, including:
			8517.61.00	Land base station;
			8517.12.00 8517.62.59 8517.62.69	Mobile devices, portable and handheld devices used on land
4.4.3	Aeronautical landing angle navigator	QCVN 104:2016/BTTTT QCVN 18:2014/BTTTT	8526.91.10	Civil aeronautical landing angle navigator for use on land, operate in 328.6 MHz ~ 335.4 MHz frequency band.
4.5	Radio transmitters, transceivers used for remote positioning and distance measurement (excluding equipment used for offshore oil and gas industry)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT	8517.62.59 8517.62.69	Radio transmitters, transceivers used for remote positioning and distance measurement (excluding equipment used for offshore oil and gas industry) but not applicable for telegraph / telephone applications.
4.6	Radio navigator	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT	8526.91.10 8526.91.90	Radio navigator used for navigation and alarming obstacles in maritime radio navigation services, maritime satellite radio navigation

				services, aeronautical radio navigation service, satellite aeronautical radio navigation service.
		QCVN 47:2015/BTTTT QCVN 119 :2019/BTTTT	8526.91.10 8526.91.90	Radio navigator used for navigation and alarming obstacles in maritime radio navigation services, maritime satellite radio navigation services.
4.7	Amateur radio equipment	QCVN 56:2011/BTTTT	8517.62.59	Radio transmitters, transceivers operate on radio frequency bands allocated to amateur radio services (prescribed by the National frequency spectrum regulation).
4.8	Other equipment	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT	8517.62.59 8517.62.69 8517.62.99 8517.69.00 8526.10.10 8526.10.90 8526.91.10 8526.91.90 8526.92.00	<ul style="list-style-type: none"> - Radio transmitters, transceivers radio operate in 9 kHz - 400 GHz frequency band and with output power from 60 mW upwards that has not been listed in item 2 of Annex I and item 4 in Annex II of this Circular. - Radio transmitters, transceivers radio operates in 9 kHz - 400 GHz frequency band and with output power from 60 mW upwards that has been listed in item 2 of Annex I and item 4 of in Annex II of this Circular but not within the applicable scope of according national standards.

5	Short-range radio transmitter and transceiver (****)			
5.1	Inductive loop device	QCVN 55: 2011/BTTTT QCVN 96: 2015/BTTTT	8504.40.19 8504.40.90	Wireless charger based on induction loop technology (electrostatic transformation).
5.2	Radio telemetry instrument	QCVN 47: 2015/BTTTT QCVN 96: 2015/BTTTT	8526.92.90	Radio telemetry instrument which automatically indicate or record telemetry index and control other equipment's function through wireless interface
		QCVN 47: 2015/BTTTT QCVN 96: 2015/BTTTT	8526.10.10 8526.10.90	Short-range radar, operating in 24 GHz – 24.25 GHz bands, used for locating objects or distance measurement (excluding radars used for roadway or railway traffic applications)
5.3	Medical Implant Communication System (MICS) and Medical Implant Telemetry System (MITS)	QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT	8517.62.59	Short-range radio transceiver, frequency band 401 MHz - 406 MHz, equipped in programmers or sensors, transmits radio data remotely.
5.4	High data rate radio access transmitter and transceiver operate in the 60 GHz band	QCVN 88:2015/BTTTT QCVN 112:2017/BTTTT	8517.62.51	Applied for Gigabit high-speed radio access equipment in the wireless local area network WLAN network or short-range wireless personal area network WPAN, operate in the 60 GHz band (excluding radio equipment uses for extending fixed outdoor LAN network or point-to-point radio transmission, operate in the 60 GHz band).

5.5	Wireless digital video transmission equipment	QCVN 92:2015/BTTTT QCVN 93:2015/BTTTT		Wireless digital video transmission equipment operate in 1.3 GHz ~ 50 GHz frequency band and channel bandwidth allowed up to 5 MHz, 10 MHz, 20 MHz, including:
			8525.50.00	- Transmitter
			8525.60.00	- Transmitters combined with receivers
6	Lithium batteries for handheld portable devices			
6.1	Lithium batteries used for laptops, notebook, mobile phones, tablet	QCVN 101:2020/BTTTT (*)	8507.60.90	Removable lithium batteries used for mobile phones. Not applicable for lithium power bank which used for charging cell phone.
			8507.60.10	Removable lithium batteries used for laptop, notebook, tablet. Not applicable for lithium power bank which used for charging laptop, notebook, tablet.

Remarks: Declaration of Conformity for products and goods prescribed by Annex II with respect to some specific cases, stipulated as follows:

(*) For QCVN 101:2020/BTTTT: Only safety characteristics, which provided in Article 2.6 of this standard, is enforced for declaration of conformity certification.

(**) For these national technical regulations (QCVN), EMC requirements are not enforced

*(***) Radars used for maritime ships and vessels are exempted from product quality inspection process in accordance with Resolution No. 99/NQ-CP dated November 13, 2019 of the Government, but shall still need declaration of conformity before using.*

*(****) Short-range radio transmitters, transceivers are defined in circular issued by MIC Minister to regulate the list of license-free frequency bands and accompanying technical and operational. Declaration of Conformity shall be allowed only when the device meet the requirement of frequency range and technical and operational conditions*

Wideminds Pte Ltd