MINISTRY OF INFORMATION AND COMMUNICATIONS	SOCIALIST REPUBLIC OF VIETNAM Independence - Freedom - Happiness
No.: 11/2020/TT-BTTTT	*Hanoi, 14 May 2020*

CIRCULAR

Regulations on the List of products and goods which are likely to cause unsafety under the management responsibility of the Ministry of Information and Communications

Pursuant to the Law on the products and goods quality dated 21/11/2007;

Pursuant to the Telecommunications Law dated 23/11/2009;

Pursuant to the Law on Radio frequency dated 23/11/2009;

Pursuant to the Law on Information Technology dated 29/6/2006;

Pursuant to the Government's Decree No. 132/2008 / ND-CP dated 31/12/2008, detailing the implementation of a number of articles of the Law on products and goods quality and the Government's Decree No. 74/2018 / ND-CP dated 15/5/2018 amending and supplementing a number of articles of the Government's Decree No. 132/2008 / ND-CP detailing the implementation of a number of articles of the Law on products and goods quality;

Pursuant to the Government's Decree No. 17/2017 / ND-CP dated 17/02/2017, defining the functions, tasks, powers and organizational structure of the Ministry of Information and Communications;

Pursuant to the proposal of the Director of the Department of Science and Technology,

The Minister of Information and Communications issued the Circular regulating the list of products and goods which are likely to cause unsafety under the management responsibility of the Ministry of Information and Communications.

Article 1. Scope of adjustment

1. This Circular regulates the list of products and goods likely to cause unsafety under the management of the Ministry of Information and Communications (hereinafter referred to as the list of products and goods of group 2) and management principles of products and goods of group 2.

2. This Circular only applies to products and goods with products and goods description as specified in the List of products and goods of Group 2.

Article 2. Subject of application

This Circular applies to:

1. Organizations and individuals that are engaged in the production and trading of products and goods on the List of products and goods of Group 2 in Vietnam.

2. Organizations and individuals with activities related to the control of products and goods quality on the List of products and goods of Group 2 in Vietnam.

Article 3. List of products and goods of group 2

1. List of products and goods of group 2 and management form are stipulated as follows:

a) "List of products and goods specialized in information technology and communication required for TAC and DOC" is provided in Appendix I of this Circular.

b) "List of products and goods specialized in information technology and communication required for DOC" is provided in Appendix II of this Circular.

2. The Ministry of Information and Communication reviews, amends and supplements the List of products and goods of Group 2 in each period, in accordance with the State's management policy.

Article 4. Principle of products and goods quality of group 2 management

1. The management of products and goods quality based on products and goods quality of group 2 is implemented in accordance with the regulations of the Ministry of Information and Communication about TAC and DOC and quality inspection for the products and goods specialized in information and communication technology and corresponding technical regulations.

2. Products and goods on the List of products and goods of Group 2 with the integrated function of other products and goods under the List of products and goods of Group 2 must be performed TAC and DOC for technical regulations applicable to integrated products and goods.

3. Products and goods on the List of products and goods of Group 2 belong toobject of applicationof two or more technical regulations must be performed TAC and DOC with the provisions of that technical regulations.

4. In case of differences between the provisions of technical regulations issued before this Circular regarding TAC and DOC and this Circular, this Circular shall be applied..

5. In case where there are new technical regulations amended, supplemented or replaced with technical regulations as prescribed in the List of products and goods of Group 2, the provisions of new technical regulations shall be applied.

Article 5.Terms enforcement

1. This Circular takes effective from 01/07/2020 and replaces the Circular No. 05/2019/TT-BTTTT dated 09/07/2019 of the Minister of Information and Communications, prescribing the List of products and goods that are likely to cause unsafety under the management responsibility of the Ministry of Information and Communications.

2. Type Approval Certificate, Acceptance on Declaration of Conformity issued before the effective date of this Circular and there is still valid to be applied until the effective date of the new technical standards replaced the technical standards as mentioned in the Type Approval Certificate and Acceptance on Declaration of Conformity.

Article 6.Implementation organization

1. Chief of Office, Director of Department of Science and Technology, Head of agencies, units under the Ministry of Information and Communications and related organizations and individuals shall take responsible for implementing this Circular

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

3. If problems arise in determining HS code of imported items as products and goods likely to cause unsafety within the scope of this Circular, the Ministry of Information and Communication shall coordinate with The Ministry of Finance (General Department of Customs) to handle it uniformly.

Recipients:
- Prime Minister and Deputy Prime Ministers (for reporting purpose);
- Government's Office;
- Ministries, ministerial-level agencies and Government-attached agencies;
- People's Committees of centrally-administered provinces and cities;
- Department of Information and Communications of centrally-administered provinces and cities;
- Department of Legal Document Verification (Ministry of Justice);
- Government's Gazette and electronic portal;
- Ministry of Information and Communications: Ministers and Deputy Ministers, Ministry based agencies and units, Ministry based electronic portal;
- Filing: Archives, science and technology (250).

MINISTER
(signed and sealed)

Nguyen Manh Hung

APPENDIX 1

THE LIST OF PRODUCTS REQUIRED FOR TYPE APPROVAL CERTIFICATION AND SELF-DECLARATION OF CONFORMITY

(Promulgated with Circular 11/2020/TT-BTTTT dated May 14th, 2020 by Minister of Information and Communications)

NO	NAME OF PRODUCT/GOODS	APPLICABLE TECHNICAL REGULATIONS/STANDARDS	HS CODES	PRODUCT DESCRIPTION
1	**Terminal devices**			
1.1	Cordless telephone equipment (DECT subscription)	QCVN 47:2015/BTTTT QCVN 22:2010/BTTTT QCVN 113:2017/BTTT (*)	8517.11.10	A telephone set consists of a base (Base Station) and one or more wireless mobile phones (handset) using DECT technology. The handset is connected to a PSTN land line via base station, which radiates signals to handset, connecting them to the PSTN wirelessly.
1.2	**Land mobile communication terminal equipment**			
1.2.1	GSM terminal equipment	QCVN 12:2015/BTTTT QCVN 86:2019/BTTTT (*) QCVN 101:2016/BTTTT (*)	8517.12.00	Telephones or mobile terminals using GSM technology (2G) with one or more integrated or removable functions as follows: - Mobile terminal using W-CDMA FDD technology; - Mobile terminal using E-UTRA FDD technology; - The 5thgeneration mobile terminal (5G); - Radio modulation technique using spread spectrum in 2.4 GHz; - Accessing 5 GHz radio frequency band; - Transmitting, transceiving SRDs.

1.2.2	W-CDMA FDD terminal equipment	QCVN 15:2015/BTTTT QCVN 86:2019/BTTTT (*) QCVN 101:2016/BTTTT (*)	8517.12.00	Telephones or mobile terminals using W-CDMA FDD technology (3G) with one or more integrated or removable functions as follows: - Mobile terminal using GSM technology; - Mobile terminal using E-UTRA FDD technology; - The 5th generation mobile terminal (5G); - Radio modulation technique using spread spectrum in 2.4 GHz; - Accessing 5 GHz radio frequency band; - Transmitting, transceiving SRDs.
1.2.3	E-UTRA FDD terminal equipment	QCVN 117:2018/BTTTT QCVN 86:2019/BTTTT (*) QCVN 101:2016/BTTTT (*)	8517.12.00	Telephones or mobile terminals using E-UTRA FDD technology (4G/LTE) with one or more integrated or removable functions as follows: - Mobile terminal using GSM technology; - Mobile terminal using W-CDMA FDD technology; - The 5th generation mobile terminal (5G); - Radio modulation technique using spread spectrum in 2.4 GHz; - Accessing 5 GHz radio frequency band; - Transmitting, transceiving SRDs.
1.2.4	The 5th generation mobile terminal (5G)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.12.00	Telephones or mobile terminals using 5th generation mobile communications technical (5G) with one or more integrated or removable functions as follows:

				- Mobile terminal using GSM technology; - Mobile terminal using W-CDMA FDD technology; - Mobile terminal using E-UTRA FDD technology; - Radio modulation technique using spread spectrum in 2.4 GHz; - Accessing 5 GHz radio frequency band; - Transmitting, transceiving SRDs.
2	**Radio transmitters, transceivers in the 9 kHz to 400 GHz band with capacity of more than 60mW**			
2.1	Radio transmitters, transceivers used in terrestrial mobile and fixed communications services			
2.1.1	GSM base station equipment	QCVN 41:2016/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base station (BTS) used in a GSM network with or without one or two integrated or removable functions as follows: - W-CDMA FDD network base station; - E-UTRA FDD network base station. - The 5th generation network base station (5G).
2.1.2	W-CDMA FDD base station equipment	QCVN 16:2010/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base station (BTS) used in a W-CDMA FDD network with or without one or two integrated or removable functions as follows: - GSM network base station; - E-UTRA FDD network base station. - The 5th generation network base station (5G).
2.1.3	E-UTRA FDD base station equipment	QCVN 110:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.61.00	Base station (BTS) used in a E-UTRA FDD network with or without one or two integrated or removable functions as follows:

				- GSM network base station; - W-CDMA FDD network base station. - The 5th generation network base station (5G).
2.1.4	Land mobile radio equipment using an integral antenna intended primarily for analogue speech	QCVN 37:2011/BTTTT QCVN 18:2014/BTTTT (*)	8517.12.00	Handheld radio transmitter having integrated with antenna using angle modulation in land mobile radio communication service, primary for analog speech, frequency range from 30 MHz 1000 MHz, channel spacing is 12.5 kHz and 25 kHz
2.1.5	Land mobile radio equipment having an antenna connector intended for the transmission of data (and speech)	QCVN 42:2011/BTTTT QCVN 18:2014/BTTTT (*)		Handheld radio transmitter and devices of a similar combination/digital equipment having removable antenna for the purpose of data and/or voice transmission, including:
			8517.61.00	- Base station equipment (antenna socket is used at a fixed location)
			8517.12.00	- Mobile station (with antenna socket commonly used on a transport mean or a mobile station) or a handset for the purpose of transmitting data or voice.
2.1.6	Land mobile radio equipment having an antenna connector intended primarily for analogue speech	QCVN 43:2011/BTTTT QCVN 18:2014/BTTTT (*)		Handheld radio transmitter having removable antenna using angle modulation in land mobile radio communication service, primary for analog speech, frequency range from 30 MHz 1000 MHz, channel spacing is 12.5 kHz and 25 kHz, including:

			8517.61.00	- Base station equipment (antenna socket);
			8517.12.00	- Mobile station (with antenna socket)
			8517.12.00	- Handheld transmitter with antenna socket, or no antenna (internal antenna equipment) but the 50 Ω RF fixed or inside temporary connector allows the connection to the transmitter output port and receiver input port
2.1.7	Land mobile radio equipment using an integral antenna intended for the transmission of data (and speech)	QCVN 44:2011/BTTTT QCVN 18:2014/BTTTT (*)	8517.12.00	Land mobile radio equipment using constant envelop modulation, operating frequency band from 30 MHz to 1 GHz, channel spacing is 12.5 kHz and 25 kHz, including digital radio handset or device of a similar combination/digital equipment for the purpose of data or speech transmission.
2.1.8	GSM repeater	QCVN 47:2015/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Radio equipment has capacity of receiving and repeating signals from GSM network (2G) with or without one or two integrated or removable functions as follows: - Receiving and repeating signals from W-CDMA FDD network; - Receiving and repeating signals from E-UTRA FDD network. - Receiving and repeating signals from the 5th generation network (5G).
2.1.9	W-CDMA FDD repeater	QCVN 66:2013/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Radio equipment has capacity of receiving and repeating signals from W-CDMA FDD network

				(3G) with or without one or two integrated or removable functions as follows: - Receiving and repeating signals from GSM network; - Receiving and repeating signals from E-UTRA FDD network; - Receiving and repeating signals from the 5th generation network (5G).
2.1.10	E-UTRA FDD repeater	QC VN 111:2017/BTTTT QCVN 103:2016/BTTTT (*)	8517.62.59	Radio equipment has capacity of receiving and repeating signals from E-UTRA FDD network (4G) with or without one or two integrated or removable functions as follows: - Receiving and repeating signals from GSM network; - Receiving and repeating signals from W-CDMAE UTRA FDD network; - Receiving and repeating signals from the 5th generation network (5G)
2.1.11	The 5th generation base station equipment (5G)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.61.00	Base station (BTS) using the 5th generation network (5G) with or without one or two integrated or removable functions as follows: - GSM network base station; - W-CDMA FDD network base station. - E-UTRA FDD network base station
2.1.12	The 5th generation repeater (5G)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.62.59	Radio equipment has capacity of receiving and repeating signals from the 5th generation network

				(5G) with or without one or two integrated or removable functions as follows: - Receiving and repeating signals from GSM network; - Receiving and repeating signals from W-CDMA FDD network; - Receiving and repeating signals from E-UTRA FDDnetwork;
2.2	Radio transceivers used for television broadcast			
2.2.1	Digital television (DVB-T2) transmitter	QCVN 77:2013/BTTTT	8525.50.00	Radio transmitter for broadcasting services using DVB-T2 terrestrial digital standard with the bandwidth of 8 MHz channel
2.3	Radio transceivers used for voice broadcasting			
2.3.1	Transmitting equipment for the amplitude modulated (AM) sound broadcasting service	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 kHz to 26.1 MHz)
2.3.2	Transmitting equipment for the frequency modulated (FM) sound broadcasting service	QCVN 30:2011/BTTTT	8525.50.00	Radio equipment using frequency modulated technique (FM) in sound broadcasting service, operated in both mono or stereo mode, frequency range: 68 MHz – 108 MHz
2.3.3	Frequency modulated (FM) radio sound transmitting equipment operating in the frequency band 54 MHz to 68	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.

	MHz			
2.4	Radar Equipment			
2.4.1	Radar equipment (excluding radar used forsailing boatsand radar being short-range radio transmitters, transceivers)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8526.10.10 8526.10.90	All kind of radar equipment used on ground or equipped in civil aircrafts, excluding radar used for sailing boats and radar being short-range radio transmitters, transceivers.
2.5	Digital transmission equipment			
2.5.1	Digital transmission equipment	For point-to-point Digital transmission equipment operating in the frequency bands from 1,4 GHz to 55 GHz: QCVN 53 2017/BTTTT QCVN 18:2014/BTTTT (*) For non-point-to-point Digital transmission equipment operating in the frequency bands from 1,4 GHz to 55 GHz: QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)	8517.62.59	Transmission radio equipment in combination with digital microwave receivers.
3	**Short-range radio transmitters, transceivers (**)**			
3.1	Short-range radio transmitters,	- For devices operating in range of 9kHz-	8525.50.00	- Personal FM transmitter

	transceivers used for non-specific application	25MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 25MHz-1GHz: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 1-40GHz QCVN 74:2013/BTTTT QCVN 96:2015/BTTTT (*)	8517.62.59 8517.62.69	- Devices have external and/or integrated antenna for transmission or record of speech, image or other data forms; including active NFC devices.
3.2	Radio equipment operating in the 2.4 GHz band and using spread spectrum modulation techniques with EIRP over 60mW	- For 60mW ≤ EIRP ≤100mW: QCVN 54:2011/BTTTT QCVN 112:2017/BTTTT (*) - For 100mW < EIRP QCVN 47:2015/BTTTT QCVN 112:2017/BTTTT (*)	8517.62.51	Devices transceiveWifi signal using in Wireless Local Area Network (WLAN) at 2.4GHz (Wifi Modem, Wifi transmitter)have equivalent isotropic radiated output power from 60 mW or above, with or without one or more integrated or removable functions as follows: - Accessible to 5 GHz band; - GSM mobile terminal, - W-CDMA FDD mobile terminal; - E-UTRA FDD mobile terminal; - 5G technology - Other SRDs.
			8525.80.40	Flycam (TV camera, digital camera, recorder) using remote control technology by spread spectrum modulated techniques in 2.4 GHz band,

				having EIRP power from 60mW and upward.
			8802.20.90	UAV/drone (aircraft integrated with TV camera, digital camera, recorder) using spread spectrum modulated and remote control technique in the band of 2.4 GHz with EIRP power from 60mW and upward.
3.3	Radio access equipment operating in the 5 GHz band with the transmit power of 60mW or above	QCVN 65:2013/BTTTT QCVN 112:2017/BTTTT (*)	8517.62.51	Devices transceiveWifi signal using in Wireless Local Area Network (WLAN) at 5.0GHz (Wifi Modem, Wifi transmitter)have equivalent isotropic radiated output power from 60 mW or above, with or without one or more integrated or removable functions as follows: - Wifi 2.4GHz function; - GSM mobile terminal, - W-CDMA FDD mobile terminal; - E-UTRA FDD mobile terminal; - 5G technology - Other SRDs.
			8525.80.40	Flycam (TV camera, digital camera, recorder) using remote control technology by spread spectrum modulated techniques in 5.0 GHz band, having EIRP power from 60mW and upward.
			8802.20.90	UAV/drone (aircraft integrated with TV camera, digital camera, recorder) using spread spectrum

				modulated and remote control technique in the band of 5.0 GHz with EIRP power from 60mW and upward.
3.4	Radar devices using in road traffic and railway traffic	- For devices operating in range of 24-24.25GHz: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)	8526.10.10	Short-range Radar Devices using for applicantions in traffic (road traffic or railway traffic) such as such as cruise control, detection, warning, avoiding collisions between vehicles and other objects.
3.5	Radio detection and alarm devices	- For devices operating in range of 9kHz-25MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 25MHz-1GHz: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)	8526.92.00	Devices include the sensor and the control system connecting with each other using the radio signal which is allowed to use for detection and alarm purposes.
3.6	Radio remote control devices	- For devices operating in range of 9kHz-25MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 25MHz-1GHz: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 1-40GHz	8526.92.00	Devices using radio waves to control the models, control in industrial and civil

		QCVN 74:2013/BTTTT QCVN 96:2015/BTTTT (*)		
3.7	Radio Frequency Identification Device (RFID)	- For devices operating in range of 9kHz-25MHz: QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 25MHz-1GHz: QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT (*) - For devices operating in range of 1-40GHz QCVN 74:2013/BTTTT QCVN 96:2015/BTTTT (*)	8517.62.59	Devices using radio waves to automatically identify, track, manage goods, humans, animals and other applications. Devices has 02 separate parts connect with each other via radio waves: - Radio transceiver devices recording information in a RF tag which is installed in the identified objects; only applied for the RF tag which has power source. - RF reader which use to activate RF tag, receive information from the RF tag and transfer to the data processing system.
3.8	Automatic collecting traffic charging equipment using RFID	QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)	8517.62.59	Automatic collecting traffic charging equipment using RFID 920-923 with RF output power over 500mW ERP, having 02 separate parts connect with each other via radio waves: - Radio transceiver devices recording information in a RF tag which is installed in the identified objects; only applied for the RF tag which has power source. - RF reader which use to activate RF tag, receive information from the RF tag and transfer to the data processing system.

3.9	Cordless audio devices in the range 25 MHz to 2000 MHz	QCVN 91:2015/BTTTT	8518.10.11 8518.10.19 8518.10.90 8518.21.10 8518.21.90 8518.22.10 8518.22.90 8518.29.10 8518.29.90	Wireless microphone with operating frequency bands from 25 MHz to 2000 MHz Wireless speaker with operating frequency bands from 25 MHz to 2000 MHz
			8518.30.10 8518.30.20	Wireless earphone with operating frequency bands from 25 MHz to 2000 MHz
			8518.30.51 8518.30.59 8518.30.90	Wireless microphone combined with speaker operating in the bands 25 MHz to 2000 MHz
3.10	Ultra Wide Band communication equipment (UWB)	QCVN 47:2015/BTTTT QCVN 94:2015/BTTTT (*)	8517.62.59	Devices using the technology ultra-wideband (UWB) applications for indoor or mobile and portable, including: - The interdependent radio equipment with or without control panel - The wireless device in module format (plug-in device) uses to plug into main devices such as personal computers, portable terminals; - The radio equipment 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 used in road or railway transport.
3.11	Other short-range radio transmitters, transceivers	- For devices in the frequency range 9 kHz - 40 GHz: QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*) - For devices in the frequency range more than 40 GHz: QCVN 18:2014/BTTTT (*)	8517.62.59 8526.10.10 8526.10.90 8526.92.00	- Short-range devices still have not listed in Setion 3 Annex 1 of this Circular and Section 5 Annex 2 of this Circular - Short-range devices already listed in Setion 3 Annex 1 of this Circular and Section 5 Annex 2 of this Circular, but they are not in the scope of the applied standards.

Note:

(*) shall not be required for type approval certification and shall only be subject to SDoC requirement.

QCVN 101:2016/BTTTT is only applied for mobile phone and safety characteristics which are provided in Article 2.6 of this standard is subject to mandatory declaration of conformity; transport requirement provided in Article 2.6.2.7 of this standard shall be exempted from mandatory declaration of conformity.

(**): Short-range transmitters/transceiversare the SRDs which are regulated in Circular 46/2016/TT-BTTTT and Circurlar 18/2018/TT-BTTTT. SRDs do not include receivers, 2.4GHz spread spectrum radio equipment with RF output power less than 60mW EIRP and radio access equipment operating in the 5GHz band with RF output power less than 60mW. Only accept type approval certification and declaration of conformity for products which comply with Circular 46/2016/TT-BTTTT and Circular 18/2018/TT-BTTTT.

APPENDIX 2
THE LIST OF PRODUCTS REQUIRED FOR DECLARATION OF CONFORMITY (EMC COMPLIANCE)

NO	NAME OF PRODUCTS	APPLICABLE TECHNICAL REGULATIONS/STANDARDS	HS CODE	PRODUCT DESCRIPTION
1	**Information Technology Equipment**			
1.1	Desktop computer	QCVN 118:2018/BTTTT	8471.41.10	The equipment shall 01 cover containing all parts, with at least a processing chip set, a unit of input and output, combined or separated, with or without one or more integrated or removable functions as follows: - Radio transceiver using spread spectrum modulation technique in 2.4 GHz band; - Accessible to 5 GHz band. - WCDMA FDD - E-UTRA FDD - 5G Technology - Capable of transmitting short range frequencies.
1.2	Laptop and portable computer	QCVN 118:2018/BTTTT QCVN 101:2016/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, with or without one or more integrated or removable functions as follows: - Radio transceiver using spread spectrum modulation technique in 2.4 GHz band; - Accessible to 5 GHz band.; - WCDMA FDD - E-UTRA FDD

				- 5G Technology - Capable of transmitting short range frequencies.
1.3	Tablet	QCVN 118:2018/BTTTT QCVN 101:2016/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 notebooks, subnotebooks), with or without one or more integrated or removable functions as follows: - Radio transceiver using spread spectrum modulation technique in 2.4 GHz band; - Accessible to 5 GHz band.; - Capable of transmitting short range frequencies.
2	**Television broadcasting, sound broadcasting equipment**			
2.1	Satellite television Set Top Box (except for satellite television DVB-S/S2 Set Top Box)	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Decoding satellite TV signals equipment in analog (analog), no interactive features information
2.2	Satellite television DVB-S/S2 Set Top Box	QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Receiving equipment used to receive, decode unencrypted satellite signals (Free to Air –FTA) by using DVB-S and /or DVB-S2 technology, SDTV/HDTV supported. No interactive features information.
2.3	Digital cable television set top box	QCVN 118:2018/BTTTT	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Decoding satellite TV signals equipment in TV cable network, with or without interactive features information with service providers.

2.4	IPTV television set top box	QCVN 118:2018/BTTTT	8528.71.11 8528.71.19 8528.71.91 8528.71.99	Decoding television signals equipment in IPTV cable network (internet protocol television), with or without interactive features information with service providers.
2.5	Set Top Box DVB-T2	QCVN 63:2012/BTTTT (*) QCVN 118:2018/BTTTT	8528.71.91 8528.71.99	Decoding satellite TV signals equipment using digital terrestrial DVB-T2 technology, no interactive features information.
2.6	Digital receiver used in DVB-T2 digital terrestrial television broadcasting (iDTV)	QCVN 63:2012/BTTTT (*) QCVN 118:2018/BTTTT	8528.72.92 8528.72.99	Receiving equipment used to decode television signals using digital terrestrial DVB-T2 technology. Being designed for mounting devices or video screens, colored, non-battery operated and not using ray tube cathode.
2.7	Equipment in cabled distribution systems for television signal	QCVN 72:2013/BTTTT	8517.62.49	Equipment function signal amplifiers used in cable networks (wireline carrier system or a wired digital system)
3	**Terminal devices**			
3.1	Cordless telephone equipment (subscription extension)	QCVN 10:2010/BTTTT QCVN 22:2010/BTTTT QCVN 18:2014/BTTTT		Wireless subscriber extension telephone with transmitter power to 25 W on PTSN landline, used to transmit analogue signal and is connected to the landline via analog two-wire interface (except for DECT phone). This device consists of two separate blocks which are connected to each other via radio interface:
			8517.11.00	- Base station which is fixed and connected the phone wire public telephone network (PSTN), using integrated antenna or external antenna connector

			8517.11.00	- The hand set using integrated antenna and base station or mounted on mobile vehicles with external antenna connector. The telephone number shall be identified based on the handset and it is cable of entering a conversation with base station.
4	**Radio transmitters, transceivers in the 9 kHz to 400 GHz band with output power more than 60mW**			
4.1	Radio transmitters, transceivers used in terrestrial mobile and fixed communications services			
4.1.1	Angle-modulated 27 MHz citizen's band radio equipment	QCVN 23:2011/BTTTT QCVN 18:2014/BTTTT		Radio equipment using constant envelop modulation in land mobile services, using available bandwidth, operating in the frequency range under 27 MHz citizen band, with channel spacing of 10 kHz for speech and data transmission, including:
			8517.61.00	- The base station (device antenna socket, used at a fixed location)
			8517.12.00	- Mobile equipment (devices with antenna socket, normally used on vehicles, mobile stations)
			8512.12.00	- The handset (with antenna socket or no external antenna socket)
4.1.2	Double side band and/or single side band amplitude modulated 27 MHz citizen's band radio equipment	For transmitters with the transmit power up to 4 W ERP (single sideband) or 1 W ERP (double sideband: QCVN 25:2011/BTTTT QCVN 18:2014/BTTTT For those with transmit power		Analog radio equipment and combined analog-digital equipment with inner or outer antenna connector, operating in the 27 MHz citizen band, single side-band or double side-band modulation, channel spacing of 10 kHz, used to transmit speech, data, including:
			8517.61.00	- The base station (device antenna socket used at a

		from 4W ERP to 12 W ERP (single sideband) or from 1 W ERP to 4 W ERP (double sideband): QCVN47:2015/BTTTT QCVN18:2014/BTTTT		fixed location)
			8517.12.00	- Mobile devices (devices with antenna socket, normally used in mobile station) for data transmission
			8517.62.59	- Mobiles devices (devices with antenna socket or no external antenna socket) for data and speech transmission
			8517.12.00	- Mobile handset (with antenna socket or no no external antenna socket) for data and speech transmission
			8517.62.59	- Mobile handset (with antenna socket or no no external antenna socket) for data transmission
4.1.3	Low Data Rate data transmission equipment operating in the 5.8 GHz use in Road Transport Traffic	QCVN 75:2013/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Low-Data-Rate data transmission equipment operating in 5.8 GHz used in Transport applications (integrated with receiver) - Having radio connector and antenna or integrated antenna - Being used only for data transmission - Having data rate up and down up to 31.5 kbit/s - Operating in the radio frequency range from 5725 MHz to 5875 MHz
4.1.4	High Data Rate data transmission equipment operating in the 5.8 GHz band use in Road Transport Traffic	QCVN 76:2013/BTTTT QCVN 18:2014/BTTTT	8517.62.59	High-Data-Rate data transmission equipment operating in 5.8 GHz used in Transport applications (integrated with receiver) - Having radio connector and antenna or integrated antenna - Being used only for data transmission

				- Having data rate up and down up to 1 Mbit/s - Operating in the radio frequency range from 5725 MHz to 5875 MHz
4.1.5	Medium Data Rate data transmission equipment operating in the 5.8 GHz band use in Road Transport Traffic	QCVN 99:2015/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Medium-Data-Rate data transmission equipment operating in 5.8 GHz used in Transport applications (integrated with receiver) - Having radio connector and removable antenna or integrated antenna - Being used only for digital data transmission - Having data rate up to 250 kbit/s and down up to 500 kbit/s - Operating in the radio frequency range from 5725 MHz to 5875 MHz
4.1.6	Terrestrial Trunked Radio (TETRA) equipment	QC VN 47:2015/BTTTT QCVN 100:2015/BTTTT		Terrestrial Trunked Radio (TETRA) equipment including:
			8517.61.00	- Base Station
			8517.12.00	- Portable mobile phone - Portable mobile phone – direct mode (DM-MS) -Portable mobile phone DW (DW-MS)
			8517.62.59	- Repeater – direct mode (DM-REP), except phones - Repeater/Gateway – direct mode (DM-REP/GATE), except phones - Equipment Repeater – trunked mode (TMO-REP), except phones
			8517.62.69	- Gateway – direct mode (DM-GATE), except phone - Equipment of the mobile radio communication system

				TETRA, except phones
4.2	Radio transmitters, transceivers used in satellite communication service (except for mobile equipment used inmaritime services and aeronautical service			
4.2.1	VSAT equipment operating in C band	QCVN 38:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	C band VSAT transmitter and transceiver operating in C-band communication services via satellite under geostationary orbit
4.2.2	VSAT equipment operating in Ku band	QCVN 39:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Ku-band VSAT transmitter and transceiver operating in Ku-band communication services via satellite under geostationary orbit
4.2.3	Mobile Earth Stations for Global Non-Geostationary Mobile-Satellite Service Systems in the Bands 1 - 3 GHz	QCVN 40:2011/BTTTT QCVN 18:2014/BTTTT	8517.62.59	Mobile earth terminal stations in non-geostationary global satellite communicating system from 1 GHz – 3 GHz band
4.2.4	Mobile satellite Earth Station (MES) operating in the Ku band	QCVN 116:2017/BTTTT	8517.62.59	Mobile station (MES) (except for aeronautical station mobile, operating in Ku band) operating in the frequency range of the Fixed Service Satellite (FSS) (associated with receiver): -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 14.23 GHz (from space to Earth)
4.3	Radio transmitters, transceivers used for maritime mobile services (including supporting equipment and satellite equipment)			
4.3.1	VHF transmitter and receivers as coast station for GMDSS	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 used G3E, and

				G2B radiation for DSC signaling.
			8517.62.53	- Equipment for analogue speech, calling select (DSC), or both
			8517.62.59	- Equipment operating in frequency bands from 156 MHz to 174 MHz; - Remote or local controllable equipment; - The equipment operating with 25 kHz channel spacing; - Equipment operating in simplex mode, demi-duplex mode and duplex mode; - Equipment which may be single-channel or multi-channel; - The device may consist of several blocks; - Equipment operating in radio shared areas; - Equipment operating separately from other radio devices.
4.3.2	Two-way VHF radiotelephone apparatus for fixed installation in survival craft	QCVN 26:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	Two-way VHF radiotelephone operating in the frequency bands from 156 MHz to 174 MHz used in maritime mobile service and proper for fixed installations on board in survival craft and global maritime distress and safety system (GMDSS)
4.3.3	Inmarsat-C ship earth station equipment	QCVN 28:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Inmarsat-C ship earth station equipment used on vessels which is equipped with Global Maritime Distress and Safety System (GMDSS) (associated with receiver)
4.3.4	VHF radiotelephone used on the survival craft	QCVN 50:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF radiotelephone used on the survival craft operating from 156 MHz to 174 MHz, in maritime mobile service, proper for use on survival craft and can be used in ships.

4.3.5	Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406.0 MHz – 406.1 MHz frequency band	QCVN 57:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Emergency Position Indicating Radio Beacons (EPIRBs) (only available for telegraph) operating via Cospas-SarSat satellite systems for radio communication system GMDSS
4.3.6	Personal Locator Beacon (PLB) operating in the 406.0 MHz to 406.1 MHz frequency band	QCVN 108:2016/BTTTT QCVN 119:2019/BTTTT	8517.62.61	Personal Locator Beacon (only plays for telegraph) operating via Cospas-SarSat satellite system. This PLB operates from 406.0 MHz to 406.1 MHz in the temperature ranges of: - From -40°C to 55°C (float PLB type 1), or - From -20°C to 55°C (float PLB type 2)
4.3.7	Digital selective calling equipment DSC	QCVN 58:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Digital Selective Calling telephone except for telephone equipment operating in MF, MF/HF and/or VHF, the frequency bands used in GMDSS is often used on ships and boats (associated with receiver)
4.3.8	Search and rescue radar transponders	QCVN 60:2011/BTTTT QCVN 119:2019/BTTTT	8517.62.59	Radar transponder operating in 9200-9500 MHz, the frequency band is used for purpose of searching and rescuing.
4.3.9	Radiotelex equipment operating in maritime MF/HF service	QCVN 62:2011/BTTTT (***) QCVN 119:2019/BTTTT	8517.62.59	Radio telex device used on vessels in GMDSS (associated with receiver)
4.3.10	Inmarsat F77 ship earth station equipmen	QCVN 67:2013/BTTTT (***) QCVN 119:2019/BTTTT	8517.62.59	Inmarsat-F77 ship earth station equipment (SES) is belong to GMDSS (associated with receiver)
4.3.11	Shipborne equipment of the automatic identification systems (AIS)	QCVN 68:2013/BTTTT (***) QCVN 119:2019/BTTTT	8526.91.10	Navigated radio equipment used in the system of automatic identification on vessels (determining the ship's location and the ships and boats around in a

				certain range to adjust the speed and direction correspondingly)
4.3.12	AIS Search and Rescue Transmitter	QCVN 107:2016/BTTTT (***) QCVN 119:2019/BTTTT	8517.62.53	Automatic identification transponder used in search and rescue (AIS SART) (associated with receiver used for telegraph)
4.3.13	VHF telephone used on rivers	QCVN 51:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF radio transmitter operating in the frequency band maritime mobile service for use on river
4.3.14	VHF telephone used for maritime mobile service	QCVN 52:2011/BTTTT QCVN 119:2019/BTTTT	8517.18.00	VHF radio transmitter associated with Digital Selective Calling (DSC), having external antenna connector for used on 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 band of medium and high frequency (MF/HF), operating in frequency bands allocated to maritime mobile service (MMS), including: - Single sideband modulation device (SSB) for transmitting and receiving speech (J3F) - Equipment frequency shift key (FSK) or SSB device of the locked subcarrier to transmit and receive DSC signals - Wireless devices 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 operating in the frequency band allocated to maritime mobile service
4.3.17	Radar for marine ships (****)	QCVN 47:2015/BTTTT	8526.10.10	Radar installed on marine ships

		QCVN 119:2019/BTTTT	8526.10.90	
4.4	Radio transmitters, transceivers used for mobile aeronautical (including supporting equipment, satellite equipment)			
4.4.1	Ground-based radio equipment for aeronautical mobile service using amplitude modulation in the frequency band 117.975-137 MHz	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 ACARS. These devices include:
			8517.61.00	- Ground base station
			8517.12.00 8517.62.59 8517.62.6 9	- Mobile devices
			8517.12.00 8517.62.59 8517.62.99	- Portable and handheld devices used on land
4.4.2	Ground-based radio equipment for aeronautical mobile service in the frequency band 117.975-137 MHz	QCVN 47:2015/BTTTT QCVN 106:2016/BTTTT		Land radio equipment used in aeronautical mobile service, operating in all or a part of 117.95 kHz – 137 kHz frequency band, including:
			8517.61.00	- Land base station
			8517.12.00 8517.62.59 8517.62.69	- Mobile and portable devices for land use.
4.4.3	Glidepath equipment for radio navigation aids	QCVN 104:2016/BTTTT QCVN 18:2014/BTTTT	8526.91.10	Glidepath equipment for radio navigation aids used in aeronautical service, operating in the frequency band from 328.6 MHz to 335.4 MHz
4.5	Radio transmitter, transceiver used in remote positioning	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT	8517.62.59 8517.62.69	Radio transmitter, transceiver used in remote positioning and distance measurement (excluding equipment used

	and distance measurement (excluding equipment used for offshore oil and gas industry)			for offshore oil and gas industry) but not applicable to telegraph/telephone
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 radionavigation services, radionavigation satellite service, maritime navigation service via satellite, aeronautical radio navigation service, aeronautical radio navigation service via satellite
		QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT	8526.91.10 8526.91.90	Radio navigator used for navigation and alarming obstacles in maritime radionavigation services, radionavigation satellite service via satellite
4.7	Amateur radio equipment	QCVN 56:2011/BTTTT	8517.62.59	Radio transmitters, transceivers operating in the frequency band allocated to amateur services (as provided in the Allowed National Frequency Spectrum)
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	- Radio transmitters, transceivers operating in the band of 9kHz -40 GHz with the output power of 60mW upward that have not been listed in Section 2 of Annex I and section 4 of Annex II of this Circular; - Radio transmitters, transceivers operating in the band of 9kHz -40 GHz with the output power of 60mW upward that listed but not fallen within the scope of applicable standards correspondingly in Section 2 of Annex I and section 4 of Annex II of this Circular;
5	**Shord Range Radio Transmitter, Transceiver (*****)**			

5.1	Inductive loop devices	QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT	8504.40.19 8504.40.90	The inductive loop wireless charger
5.2	Radio Frequency Remote Control	QCVN 73:2013/BTTTT QCVN 96:2015/BTTTT	8526.92.00	Radio Frequency Remote Control automatically displays or records measurement parameters and controls the functions of other devices via the radio interface.
		QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT	8526.10.10 8526.10.90	Short range device radar, operate at 24 GHz – 24,25 GHz frequency band, use for geolocation application, measure distance (not radar devices use in Road transport traffic or rail traffic)
5.3	Medical Implant Communications Systems (MICS) and Medical Implant Telemetry Systems (MITS)	QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT	8517.62.59	Short range transceiver, 401 MHz – 406 MHz frequency band, mounted in program system or sensor, transmitt remote data
5.4	Wireless access equipments operating at Multiple-Gigabit data rates in the 60 GHz band	QCVN 88:2015/BTTTT QCVN 112:2017/BTTTT	8517.62.51	Gigabit high speed radio equipment in the local WLAN network or individual wireless WPAN network, short-range transmitter operating in 60 GHz band (except for radio equipment used for extended outdoor LAN network or radio transmission from point-to-point, operating in 60 GHz band)
5.5	Wireless Audio devices	QCVN 92:2015/BTTTT QCVN 95:2015/BTTTT		Wireless Audio devices operate from 1,3 GHz to 50 GHz band, allowed channel bandwidth of up to 5 MHz, 10 MHz, 20 MHz including:
			8525.50.00	- Transmitters
			8525.60.00	- Transceivers
6	**Lithium battery for laptop, mobile phone, tablet**			

6.1	Lithium battery for laptop, mobile phone, tablet	QCVN 101:2016/BTTTT (**)	8507.60.90	Lithium batteries used for cell phones. Lithium power bank which is used for charging cell phone batteries shall be exempted.
			8507.60.10	Lithium batteries used for tablets, notebooks. Lithium power bank which is used for charging batteries of tablets, notebooks shall be exempted.

Note: Declaration of Conformity for products and gooods prescribed in Appendix II with respect to some specific cases, Stipulated as follows

(*) For QCVN63:2012/BTTTT: the requirements and characteristics related to DVB-T are exempted from mandatory declaration of conformity. QCVN118:2018/BTTTT shall be applied in replacement for TCVN 7600:2010 which had been provided in QCVN63:2012/BTTTT.
(**) For QCVN 101:2016/BTTTT: safety characteristics which are provided in Article 2.6 of this standard is subject to mandatory declaration of conformity; transport requirement provided in Article 2.6.2.7 of this standard shall be exempted from mandatory declaration of conformity.
(***) For these standards, not apply for EMC requirements provided in these standards
(****) Radar uses for marine ships imported are exempted from IPQR according to Resolution no. 99/NQ-CP dated November 13, 2019 of the Government, but shall still need declaration of Conformity before using
(*****) Short range radio transmitter, transceivers are defined in Circular No. 46/2016/TT-BTTTT dated December 26, 2016 issued by MIC Minister to regulate the list of license-free frequency bands and accompanying technical and operational conditions, amended and supplemented in Circular no. 18/2018/TT-BTTTT dated Deccember 20, 2018 by MIC Minister. Declaration of Conformity shall be allowed only when the device comply with the requirements of frequency band and technical conditions, to be exploited according to regulations