

Country	Operator	Network type	2G	3G	LTE	Data
Afghanistan	Afghan Wireless Communication Company	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Albania	Telekom Albania	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Algeria	Algérie Télécom	GSM 900, GSM 1800, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Andorra	Servei De Tele. D'Andorra	GSM 900, GSM 1800, UMTS 2100, LTE 800	Yes	Yes	Yes	Yes
Angola	UNITEL S.A.,r.l.	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Anguilla	CABLE & WIRELESS, ANGUILLA	UMTS, LTE 700	No	Yes	Yes	Yes
Anguilla	DIGICEL ANGUILLA	GSM 1800, GSM 1900, GSM 900, UMTS	Yes	Yes	Yes	Yes
Antigua and Barbuda	Cable & Wireless Caribbean Cellular (Antigua) Limited	UMTS, LTE 1700	No	Yes	Yes	Yes
Antigua and Barbuda	DIGICEL ANTIGUA & BARBUDA	GSM 1900, GSM 900, UMTS 850, LTE 700	Yes	Yes	Yes	Yes
Argentina	AMX Argentina S.A.	GSM 1900, GSM 850, UMTS 850, UMTS 1900, LTE	Yes	Yes	Yes	Yes
Armenia	ArmenTel	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 450	Yes	Yes	Yes	Yes
Aruba	DIGICEL ARUBA	GSM 1800, GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Aruba	Digicel Aruba	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	Yes	Yes
Australia	Vodafone Hutchison Australia Proprietary Limited	LTE 1800, LTE 2100, LTE 850	No	No	Yes	Yes
Australia	Telstra Corporation Limited	UMTS 2100, LTE 1800, UMTS 850, LTE 700, LTE 900, LTE 2100	No	Yes	Yes	Yes
Austria	A1 Telekom Austria	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Austria	Hutchison Drei Austria	GSM 900, UMTS 2100, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Austria	T-Mobile Austria	UMTS 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2500, LTE 2600, LTE 3000, LTE 3500, LTE 4500, LTE 4800, LTE 9000	Yes	Yes	Yes	Yes
Azerbaijan	Azercel	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	Yes
Bahamas	The Bahamas Telecommunications Company Ltd (BaTelCo)	GSM 850, GSM 1900, UMTS 850	Yes	Yes	No	Yes
Bahrain	Bahrain Telecommunications Company	UMTS 2100	No	Yes	No	Yes
Bangladesh	Axiata Bangladesh Ltd.	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Bangladesh	Grameenphone Ltd.	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Barbados	LIME (formerly known as Cable & Wireless)	UMTS 850, LTE 850, LTE 1900	No	Yes	Yes	Yes
Barbados	DIGICEL BARBADOS	GSM 1800, GSM 900, UMTS 2100, LTE 1900, LTE 700	Yes	Yes	Yes	Yes
Belarus	Belarusian Telecommunications Network	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	Yes	Yes
Belarus	Mobile TeleSystems	GSM 900, GSM 1800, UMTS 2100, UMTS 900, LTE 1800	Yes	Yes	Yes	Yes
Belarus	vecom	GSM 1800, GSM 900, UMTS 2100, UMTS 900	Yes	Yes	Yes	Yes
Belarus	Mobile TeleSystems	GSM 1800, GSM 900, UMTS 2100, UMTS 900	Yes	Yes	No	Yes
Belgium	Belgacom Mobile	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Belgium	Orange S.A.	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Belgium	Telenet	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Bermuda	DIGICEL BERMUDA	GSM 1900, UMTS 1900, LTE 700, LTE 850	Yes	Yes	Yes	Yes
Bosnia and Herzegovina	RS Telecommunications JSC Banja Luka	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	Yes	Yes
Brazil	Claro	GSM 900, GSM 1800, UMTS 2100, LTE 2600, UMTS 850	Yes	Yes	Yes	Yes
Brazil	TIM	GSM 1800, UMTS 2100, UMTS 850	Yes	Yes	Yes	Yes
Brunei Darussalam	Data Stream Technology	GSM 900, UMTS 2100	Yes	Yes	No	No
Bulgaria	Telenor (Bulgaria)	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Bulgaria	A1 Bulgaria	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Bulgaria	BTCL	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Cambodia	Smart Axiata Co. Ltd	GSM 900, GSM 1800, LTE 1800	Yes	No	Yes	Yes
Canada	Rogers Communications Canada Inc.	GSM 1900, GSM 850, UMTS 1900, UMTS 850, LTE 1700, LTE 2100, LTE 700	Yes	Yes	Yes	Yes
Cape Verde	CVMóvil, S.A.	GSM 900, UMTS	Yes	Yes	Yes	Yes
Cayman Islands	DIGICEL CAYMAN	UMTS 2100, LTE 1800, LTE 700	Yes	Yes	Yes	Yes
Cayman Islands	Cable & Wireless (Cayman Islands) Limited	UMTS, LTE 700, LTE 1900	No	Yes	Yes	Yes
Chile	Claro Chile S.A.	GSM 1900, UMTS 850, UMTS 1900	Yes	Yes	No	Yes
Chile	Entel Telefonía Móvil S.A.	GSM 1900, UMTS 2100, LTE 2600, LTE 700	Yes	Yes	Yes	Yes
Chile	Claro Chile S.A.	GSM 1900, UMTS 1900, UMTS 850	Yes	Yes	No	Yes
Chile	Entel Telefonía Móvil S.A.	LTE 2600, GSM 1900, LTE 700, UMTS 1900	Yes	Yes	Yes	Yes
China	China Mobile	GSM 900, GSM 1800, TD-LTE 2300, TD-LTE 2500	Yes	No	Yes	Yes
China	China Unicom	UMTS 2100, UMTS 900, LTE 1800, TD-LTE 2300, TD-LTE 2500	No	Yes	Yes	Yes
China	COMCEL S.A.	LTE 2600, UMTS 850, UMTS 1900	No	Yes	Yes	Yes
Congo, the Democratic Republic of the	Vodacom Congo RDC sprl	GSM 900, GSM 1800, UMTS, LTE	Yes	Yes	Yes	Yes
Costa Rica	Claro CR Telecommunications (Aé)	GSM 1800, GSM 1900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Croatia	A1 Hrvatska	GSM 900, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Croatia	T-Hrvatski Telekom	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Croatia	Tele2	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Cyprus	Cyprus Telecommunications Authority	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Cyprus	PrimeTel PLC	LTE 1800	Yes	Yes	Yes	Yes
Czech Republic	Vodafone Czech Republic	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 900, LTE 2100	Yes	No	Yes	Yes
Czech Republic	O2 Czech Republic	GSM 900, GSM 1800, LTE 800, LTE 1800, CDMA 450	Yes	No	Yes	Yes
Czech Republic	T-Mobile Czech Republic	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 2100	Yes	No	Yes	Yes
Denmark	H3G Denmark ApS	UMTS 2100, LTE 1800, LTE 2600, UMTS 900	Yes	No	Yes	Yes
Denmark	TDC A/S	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Denmark	Telia	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Dominica	Cable & Wireless	UMTS, LTE 700	No	Yes	Yes	Yes
Dominica	DIGICEL DOMINICA	GSM 1900, GSM 900, UMTS 1900, UMTS 900, LTE 700	Yes	Yes	Yes	Yes
Dominican Republic	Compañía Dominicana de Teléfonos	GSM 850, GSM 1900, UMTS 850, LTE 1700	Yes	Yes	Yes	Yes
Ecuador	CONECEL S.A.	GSM 850, UMTS 850, UMTS 1900	Yes	Yes	No	Yes
Ecuador	OTECEL S.A. (MOVISTAR)	GSM 1900, GSM 850, UMTS 850, LTE 1900	Yes	Yes	Yes	Yes
Ecuador	CONECEL (CLARO)	GSM 850, UMTS 1900, UMTS 850, LTE 1700	Yes	Yes	Yes	Yes
Egypt	Vodafone Egypt	GSM 900, GSM 1800, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Egypt	Orange Egypt	GSM 1900, UMTS 2100, LTE	Yes	Yes	Yes	Yes
El Salvador	CTE TELECOM PERSONAL (CLARO)	GSM 1800, GSM 1900, UMTS, LTE	Yes	Yes	Yes	Yes
Estonia	Elsa Eesti	GSM 1800, GSM 900, UMTS 2100, UMTS 900, LTE 1800, LTE 2600, LTE 800	Yes	Yes	Yes	Yes
Faroe Islands	Vodafone Faroe Islands	GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Finland	Ålands Telekommunikation Ab	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Finland	DNA NETWORKS LTD	GSM 1800, GSM 900, LTE	Yes	No	Yes	Yes
Finland	Elsa Oyj	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Finland	TeliaSonera Finland Oyj / Suomen Yhteisverkko Oy	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Finland	DNA Oy	GSM 900, GSM 1800, UMTS 2100, LTE 800, UMTS 900, LTE 1800	Yes	No	Yes	Yes
France	Altice	LTE 2600	Yes	Yes	Yes	Yes
France	Bouygues Telecom	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, LTE 700, UMTS 900	Yes	Yes	Yes	Yes
France	Iliad	UMTS 2100, LTE 1800, LTE 2600, LTE 700, UMTS 900	No	Yes	Yes	Yes
France	Orange S.A.	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Gambia	Africel	GSM 900, GSM 1800, LTE, UMTS 2100	Yes	Yes	Yes	Yes
Georgia	MagiCom	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Germany	Telefónica Germany GmbH & Co. oHG	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 2100	Yes	No	Yes	Yes
Germany	Telekom Deutschland GmbH	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 900	Yes	No	Yes	Yes
Germany	Vodafone D2 GmbH	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Ghana	Vodafone Group	GSM 900, GSM 1800, UMTS	Yes	Yes	No	No
Gibraltar	Gibtelecom	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 2600	Yes	Yes	Yes	Yes
Greece	COSSMOTE - Mobile Telecommunications S.A.	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 2600	Yes	No	Yes	Yes
Greece	Vodafone Greece	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Greece	Wind Hellas Telecommunications S.A.	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Greenland	TELE Greenland A/S	GSM 900, LTE 800	Yes	No	Yes	Yes
Grenada	Cable & Wireless Grenada Ltd.	LTE	No	Yes	Yes	Yes
Grenada	DIGICEL GRENADA	GSM 1800, GSM 900, UMTS 2100, LTE 1900, LTE 700	Yes	Yes	Yes	Yes
Guatemala	Telecomunicaciones de Guatemala, S.A.	GSM 900, CDMA 1900, GSM 1900, UMTS 1900	Yes	Yes	Yes	Yes
Guatemala	Telefónica Móviles Guatemala (Telefónica)	CDMA 1900, GSM 1900, LTE 1900, UMTS 1900	Yes	Yes	Yes	Yes
Haiti	NATCOM S.A.	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	Yes
Haiti	DIGICEL HAITI	GSM 1800, UMTS 2100, UMTS 900	Yes	Yes	Yes	Yes
Honduras	Servicios de Comunicaciones de Honduras S.A. de C.V.	GSM 1900, LTE 1700, UMTS 1900	Yes	Yes	Yes	Yes
Honduras	CLARO HONDURAS	GSM 1800, GSM 1900, GSM 900, UMTS, LTE	Yes	Yes	Yes	Yes
Hong Kong	China Mobile Hong Kong Company Limited	GSM 1800, LTE 1800, LTE 2600, TD-LTE 2300	Yes	No	Yes	Yes
Hong Kong	CSL Limited	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Hong Kong	PCCW-HKT	UMTS 2100, GSM 1800, GSM 900, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Hungary	Magyar Telekom Plc	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Hungary	Telenor Magyarország Zrt.	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Hungary	Vodafone Magyarország Zrt.	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Iceland	Island Telecom	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Iceland	Nova ehf	UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Iceland	Og fjarskipti hf	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
India	Andhra Pradesh and Telangana	GSM 900	Yes	No	Yes	Yes
India	Assam	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Bihar & Jharkhand	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Chennai	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Delhi & NCR	GSM 900, GSM 1800, LTE 2100, LTE 1800, LTE 2300	Yes	No	Yes	Yes
India	Gujarat	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Haryana	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Himachal Pradesh	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Himachal Pradesh	Unknown	Yes	No	Yes	Yes
India	Karnataka	TD-LTE 2300, GSM 900, GSM 1800, LTE 1800, LTE 2100	Yes	No	Yes	Yes
India	Kerala	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes

India	Kolkata	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Madhya Pradesh	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Madhya Pradesh & Chattisgarh	GSM 900	Yes	No	Yes	Yes
India	Maharashtra	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Maharashtra & Goa	GSM 900	Yes	No	Yes	Yes
India	Mumbai	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	North East	GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Orissa	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Punjab	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Punjab	GSM 900, GSM 1800	Yes	No	Yes	Yes
India	Rajasthan	GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Tamil Nadu	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Uttar Pradesh (West)	GSM 900	Yes	No	Yes	Yes
India	Uttar Pradesh (West)	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	West Bengal	GSM 900, LTE 1800, GSM 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Bharti Airtel	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Uttar Pradesh (East)	GSM 900, GSM 1800, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Jammu & Kashmir	GSM 900, LTE 1800, LTE 2100, LTE 2300	Yes	No	Yes	Yes
India	Delhi & NCR	GSM 1800	Yes	No	Yes	Yes
India	Haryana	GSM 900	Yes	No	Yes	Yes
India	Kerala	GSM 900, GSM 1800	Yes	No	Yes	Yes
India	Gujarat	GSM 900	Yes	No	Yes	Yes
India	Karnataka	GSM 900, LTE 1800	Yes	No	Yes	Yes
India	Rajasthan	Unknown	Yes	No	Yes	Yes
India	Uttar Pradesh (East)	Unknown	Yes	No	Yes	Yes
India	Bihar & Jharkhand	GSM 1800	Yes	No	Yes	Yes
India	Mumbai	GSM 900, GSM 1800	Yes	No	Yes	Yes
India	Assam	GSM 1800	Yes	No	Yes	Yes
India	Jammu & Kashmir	GSM 1800	Yes	No	Yes	Yes
India	Kolkata	GSM 1800	Yes	No	Yes	Yes
India	North East	GSM 1800	Yes	No	Yes	Yes
India	Orissa	GSM 1800	Yes	No	Yes	Yes
India	Tamil Nadu	GSM 1800	Yes	No	Yes	Yes
India	West Bengal	GSM 1800	Yes	No	Yes	Yes
Indonesia	Telkomsel Indonesia	GSM 1800, GSM 900, LTE 1800, LTE 2100, LTE 2300, LTE 800, LTE 900	Yes	No	Yes	Yes
Indonesia	PT Telekomunikasi Setular	GSM 1800, GSM 900, LTE 1800, LTE 900, TD-LTE 2300	Yes	No	Yes	Yes
Iraq	Zain Iraq	GSM 900, 3G 2100	Yes	Yes	No	No
Iraq	Zain Iraq	GSM 900, GSM 1800	Yes	Yes	No	No
Ireland	Vodafone Ireland	GSM 900, GSM 1800, LTE 800, LTE 1800	Yes	No	Yes	Yes
Israel	Partner Communications Company Ltd	GSM 1800, GSM 900, UMTS 2100	Yes	Yes	No	Yes
Israel	Pelephone Communications Ltd.	UMTS 2100, UMTS 850, LTE 1800	No	Yes	Yes	Yes
Israel	Partner Communications Company Ltd	GSM 1800, GSM 900, UMTS 2100, UMTS 900, LTE 1800, LTE 2100	Yes	Yes	Yes	Yes
Italy	Iliad Italia	UMTS 2100, LTE 1800, LTE 2600, UMTS 900	No	Yes	Yes	Yes
Italy	Telecom Italia S.p.A	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 1500	Yes	No	Yes	Yes
Italy	Vodafone Italia S.p.A.	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 2100, LTE 1500	Yes	No	Yes	Yes
Italy	Wind Tre	UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Jamaica	Cable & Wireless Communications	UMTS 850, LTE 1700, LTE 1900, UMTS 1900	No	Yes	Yes	Yes
Jamaica	DIGICEL	GSM 1900, GSM 900, UMTS 850, LTE 1700, LTE 1900, LTE 700	Yes	Yes	Yes	Yes
Japan	NTT DOCOMO	3G 2100, LTE	No	Yes	Yes	Yes
Japan	SoftBank Corp.	LTE 1500, LTE 1800, LTE 2100, LTE 700, LTE 900, TD-LTE 3500	No	No	Yes	Yes
Jersey	Guernsey Airtel Ltd	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Jordan	Petra Jordanian Mobile Telecommunications Company (MobileCom)	GSM 900, LTE 1800, 3G 2100	Yes	Yes	Yes	Yes
Kazakhstan	Kcell JSC	GSM 1800, GSM 900, UMTS 2100, LTE 1800, LTE 2100, LTE 800	Yes	Yes	Yes	Yes
Kazakhstan	MTS	GSM 1800, GSM 900, UMTS 2100, UMTS 900	Yes	Yes	Yes	Yes
Kazakhstan	MTS	GSM 900, GSM 1800, UMTS 900	Yes	Yes	Yes	Yes
Kazakhstan	Kcell JSC	GSM 900, GSM 1800, LTE 800, LTE 1800, 3G 2100	Yes	Yes	Yes	Yes
Kenya	Safaricom Limited	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Kenya	Bharti Airtel	GSM 1800, GSM 900, UMTS 2100, UMTS 900, LTE 800	Yes	Yes	Yes	Yes
Korea, Republic of	SK Telecom	UMTS 2100, LTE 1800, LTE 2600, LTE 2100, LTE 850, CDMA2000 800	No	Yes	Yes	Yes
Kosovo	IPKO	GSM 900, GSM 1800, UMTS 900	Yes	Yes	No	Yes
Kuwait	Zain Kuwait	GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Kuwait	Kuwait Telecommunication Company	GSM 1800, GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Kyrgyzstan	Sky Mobile LLC	GSM 900, GSM 1800, UMTS 2100, LTE 800	Yes	Yes	Yes	Yes
Latvia	Bite Latvija	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Latvia	Latvian Mobile Telephone	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Latvia	Tele2	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Lebanon	MIC 2	GSM 900, UMTS 2100	Yes	Yes	No	Yes
Liechtenstein	Telecom Liechtenstein AG	GSM 900, GSM 1800, LTE 800	Yes	No	Yes	Yes
Lithuania	Telia Lietuva	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600, LTE 2100	Yes	No	Yes	Yes
Lithuania	UAB B&K Lietuva	UMTS 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Luxembourg	POST Luxembourg	GSM 900, GSM 1800, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Luxembourg	Tango SA	GSM 900, GSM 1800, LTE 800, LTE 1800	Yes	No	Yes	Yes
Macao	Companhia de Telecomunicações de Macau, S.A.R.L.	LTE 1800, 3G 2100	No	Yes	Yes	Yes
Macedonia, the Former Yugoslav Republic of	ONE.VIP DOO	GSM 900, GSM 1800, UMTS 2100, UMTS 900	Yes	Yes	No	No
Malaysia	Maxis Communications Berhad	GSM 900, GSM 1800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Malta	Malta	UMTS 2100, LTE 800, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Malta	Mobile Communications Limited	GSM 900, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Malta	Vodafone Malta	GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Mauritius	Cellplus Mobile Communications Ltd.	GSM 900, GSM 1800, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Mexico	TELCEL	GSM 1900, GSM 850, UMTS 850, LTE 1700, LTE 2100	Yes	Yes	Yes	Yes
Moldova, Republic of	Orange Moldova	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Monaco	Monaco Telecom	GSM 1800, UMTS 2100, UMTS 900	Yes	Yes	No	Yes
Mongolia	Mobicom Corporation	GSM 900	Yes	No	No	No
Mongolia	Unitel LLC	UMTS 2100	No	Yes	No	No
Montenegro	MTEL CG	GSM 900, GSM 1800, UMTS 2100, LTE	Yes	Yes	Yes	Yes
Montenegro	Telenor Montenegro	GSM 900, GSM 1800, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Montserrat	DIGICEL MONTSERRAT	GSM 1800, GSM 900, UMTS 2100, LTE 1800	Yes	Yes	Yes	Yes
Montserrat	Cable & Wireless	No	Yes	Yes	Yes	Yes
Morocco	Itissalat Al-Maghrib (Maroc Telecom)	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Morocco	MAROC TELECOM	GSM 1800, GSM 900, UMTS 2100, LTE 2600, LTE 800	Yes	Yes	Yes	Yes
Mozambique	Vodacom Mozambique, S.A.	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	No
Myanmar	Myanmar National Tele & Communication Co., Ltd	GSM 900, UMTS 2100, UMTS 900, LTE 900, LTE 2100	Yes	Yes	Yes	Yes
Nepal	Nepal Telecom (NDCL)	GSM 900, GSM 1800, UMTS 2100, CDMA, WIMAX	Yes	Yes	No	Yes
Netherlands	Vodafone Libertel B.V.	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Netherlands Antilles	Telcel N.V.	GSM 900, LTE 1800	Yes	No	Yes	Yes
Netherlands Antilles	Curacao Telecom N.V.	GSM 900, GSM 1800	Yes	Yes	Yes	Yes
New Zealand	Vodafone New Zealand	GSM 900, UMTS 2100, LTE 1800, LTE 2600, LTE 700, UMTS 900	Yes	Yes	Yes	Yes
New Zealand	2degrees	UMTS 2100, LTE 1800, LTE 700, UMTS 900, LTE 900	No	Yes	Yes	Yes
New Zealand	Sprink New Zealand	UMTS 2100, UMTS 850, LTE 1800, LTE 2600, LTE 700, UMTS 900, LTE 900, LTE 1700, LTE 1900	Yes	Yes	Yes	Yes
Nicaragua	Empresa Nicaragüense de Telecomunicaciones, S.A. (ENITEL) (América Móvil)	GSM 1900, UMTS 850, LTE 1700	Yes	Yes	Yes	Yes
Nicaragua	Servicios de Comunicaciones S.A.	GSM 1900, UMTS 850	Yes	Yes	Yes	Yes
Norway	Telenor Norge AS	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Oman	Oman Telecommunications Company	GSM 900, GSM 1800, LTE 1800, UMTS 900, TD-LTE 2300	Yes	Yes	Yes	Yes
Pakistan	China Mobile	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2100	Yes	Yes	Yes	Yes
Palestinian, State of	Palestine Cellular Communications Ltd.	GSM 900	Yes	Yes	No	No
Paraguay	AMX Paraguay S.A.	GSM 1900, LTE 1700, UMTS 1900	Yes	Yes	Yes	Yes
Peru	América Móvil Perú	GSM 1900, UMTS 850, LTE 700, LTE 1900, TD-LTE 3500	Yes	Yes	Yes	Yes
Peru	Telefónica del Perú S.A.A.	GSM 1900, GSM 850, UMTS 1900, UMTS 850, LTE 1700, LTE 1900, CDMA2000 850	Yes	Yes	Yes	Yes
Philippines	Globe Telecom	GSM 900, GSM 1800, LTE 1800	Yes	No	Yes	Yes
Philippines	Globe Telecom	GSM 1800, GSM 900, LTE 1800	Yes	No	Yes	Yes
Philippines	PLDT via Smart Communications	UMTS 2100, GSM 1800, LTE 1800, LTE 2100, LTE 700, LTE 850, LTE 2300, TD-LTE 2500	Yes	No	Yes	Yes
Poland	P4 Sp. z o.o.	GSM 900, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Poland	Polkomtel Sp. z o.o.	UMTS 2100, GSM 1800, UMTS 1900, LTE 900	Yes	Yes	Yes	Yes
Poland	Polka Telefonía Komórkowa Centertel Sp. z o.o.	GSM 900, GSM 1800, UMTS 2100, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Poland	T-Mobile Polska S.A.	GSM 900, GSM 1800, LTE 2100	Yes	No	Yes	Yes
Portugal	Vodafone Portugal	GSM 900, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Puerto Rico	AT&T	LTE 1700, LTE 1900, LTE 2100, LTE 700, LTE 850	No	No	Yes	Yes
Qatar	Vodafone Qatar	UMTS 900	Yes	Yes	Yes	Yes
Romania	Orange România	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900	Yes	Yes	Yes	Yes
Romania	Vodafone România	GSM 900, GSM 1800, LTE 800, LTE 1800, TD-LTE 2600	Yes	No	Yes	Yes
Saint Kitts and Nevis	CABLE & WIRELESS, ST KITTS & NEVIS	UMTS 850	No	Yes	Yes	Yes
Saint Kitts and Nevis	DIGICEL ST. VINCENT & GRENADINES	GSM 1800, GSM 1900, GSM 900, LTE 700	Yes	Yes	Yes	Yes
Saint Lucia	DIGICEL ST. LUCIA	GSM 1800, GSM 1900, GSM 900, LTE 700	Yes	Yes	Yes	Yes
Saint Lucia	CABLE & WIRELESS, ST. LUCIA	UMTS 850	No	Yes	Yes	Yes

Saint Vincent and the Grenadines	CABLE & WIRELESS, ST. VINCENT & GRENADINES	UMTS 850	No	Yes	Yes	Yes
Saint Vincent and the Grenadines	DIGICEL ST. VINCENT & GRENADINES	GSM 1800, GSM 1900, GSM 900, LTE 700	Yes	Yes	Yes	Yes
Satellite	VODAFONE MALTA LTD	GSM	Yes	Yes	Yes	Yes
Satellite	ORANGE	GSM 1800, GSM 900, UMTS 2100, LTE 2600, LTE 800	Yes	Yes	Yes	Yes
Satellite	TELEKOM DEUTSCHLAND	GSM 1800, GSM 900, UMTS 2100, LTE 1800, LTE 2600, LTE 800	Yes	Yes	Yes	Yes
Satellite	TELENOR SVERIGE AB	GSM 1800, GSM 900, UMTS 2100	Yes	Yes	Yes	Yes
Saudi Arabia	Ethad Etisalat Company	GSM 900, UMTS 2100, LTE 1800, UMTS 900, TD-LTE 2600	Yes	Yes	Yes	Yes
Saudi Arabia	Saudi Telecom Company	GSM 900, UMTS 2100, LTE 1800, LTE 700, UMTS 900, LTE 2100, TD-LTE 2300	Yes	Yes	Yes	Yes
Saudi Arabia	Ethad Etisalat Company	GSM 900, UMTS 2100, UMTS 900, LTE 1800, TD-LTE 2500	Yes	Yes	Yes	Yes
Saudi Arabia	Zain Saudi Arabia	GSM 1800, GSM 900, UMTS 2100, UMTS 900, LTE 1800, LTE 2100, LTE 900, TD-LTE 2500	Yes	Yes	Yes	Yes
Serbia	Telenor Serbia	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Seychelles	Cable & Wireless Seychelles	GSM 900, UMTS	Yes	Yes	No	No
Sierra Leone	Lonest Sierra Leone Limited	GSM 900, UMTS 2100, GSM 1800	Yes	Yes	No	No
Singapore	Singapore Telecom	LTE 1800, LTE 2600, LTE 900	Yes	No	Yes	Yes
Slovakia	O2 Slovakia	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, TD-LTE 3500, TD-LTE 3700	Yes	Yes	Yes	Yes
Slovenia	Telekom Slovenije	UMTS 900, GSM 1800, LTE 800, LTE 1800, LTE 900, LTE 2100	Yes	No	Yes	Yes
Slovenia	TuSmobil d.o.o.	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
South Africa	Vodacom	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 900, LTE 2100	Yes	Yes	Yes	Yes
Spain	Orange Espagne S.A.U	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Spain	Telefónica Móviles España	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Spain	Vodafone Spain	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Spain	XFERA MÓVILES S.A. (YOIGO)	UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Sri Lanka	Dialog Axiata PLC	GSM 1800, UMTS, LTE	Yes	Yes	Yes	Yes
Suriname	Digicel Suriname	GSM 900, GSM 1800, LTE 1800	Yes	No	Yes	Yes
Sweden	H3G Access AB	GSM 1800, GSM 900	Yes	Yes	Yes	Yes
Sweden	H3G ACCESS AB	UMTS 2100, LTE 800, LTE 2600, UMTS 900, TD-LTE 2600	Yes	Yes	Yes	Yes
Sweden	NetMobility HB	GSM, UMTS 2100, LTE	Yes	Yes	Yes	Yes
Sweden	Tele2 Sverige AB	GSM 900, LTE 800, LTE 1800, LTE 2600, LTE 900, GSM 1800, UMTS 2100	Yes	Yes	Yes	Yes
Sweden	Tele2 Sverige AB	UMTS 2100, LTE 800, LTE 1800, LTE 2600, LTE 900	Yes	Yes	Yes	Yes
Sweden	Telenor Connexion AB	Unknown	Yes	Yes	Yes	Yes
Sweden	TELENOR SVERIGE AB	GSM 1800, GSM 900, UMTS 2100, LTE	Yes	Yes	Yes	Yes
Sweden	TeliaSonera Sverige AB	GSM 900, GSM 1800, LTE 800, LTE 1800, LTE 2600	Yes	No	Yes	Yes
Switzerland	Swisscom AG	UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 2100	No	Yes	Yes	Yes
Taiwan, Province of China	Taiwan Star Telecom	UMTS 2100, LTE 2600, LTE 900	No	Yes	Yes	Yes
Taiwan, Province of China	Taiwan Mobile	LTE 1800, LTE 2100, LTE 700	No	Yes	Yes	Yes
Taiwan, Province of China	CHT	LTE 1800, LTE 2100, LTE 2600, LTE 900	No	Yes	Yes	Yes
Tajikistan	Tacom	GSM 900, GSM 1800, UMTS 2100	Yes	Yes	No	Yes
Tanzania, United Republic of	Vodacom Tanzania Limited	GSM 900, GSM 1800, LTE 1800, 3G 2100	Yes	Yes	Yes	Yes
Thailand	Advanced Wireless Network Company Ltd.	UMTS 2100, LTE 1800, LTE 900, LTE 2100	No	Yes	Yes	Yes
Thailand	DTAC Trinet Company Ltd.	UMTS 2100, LTE 1800, UMTS 900, LTE 2100	Yes	Yes	Yes	Yes
Trinidad and Tobago	Digicel Trinidad and Tobago	GSM 1800, UMTS	Yes	Yes	Yes	No
Tunisia	Orange Tunisie	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800	Yes	Yes	Yes	Yes
Tunisia	Tunisie Telecom	GSM 1800, GSM 900, UMTS 2100, LTE 1800, LTE 800	Yes	Yes	Yes	Yes
Turkey	Türk Telekom	GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
Turkey	Turkcell	UMTS 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600, LTE 800	Yes	Yes	Yes	Yes
Turkey	Vodafone Turkey	GSM 900, UMTS 2100, LTE 800, LTE 1800, LTE 2600, LTE 900	Yes	Yes	Yes	Yes
Turkey	TT MOBILE TURKEY	GSM 1800, UMTS 2100, LTE	Yes	Yes	Yes	Yes
Turks and Caicos Islands	Cable & Wireless West Indies Ltd (Turks & Caicos)	Unknown	No	Yes	Yes	Yes
Turks and Caicos Islands	DIGICEL TURKS & CAICOS	GSM 1900, GSM 900, LTE 1700, LTE 700	Yes	Yes	Yes	Yes
Turks and Caicos Islands	CABLE & WIRELESS, TURKS & CAICOS	UMTS 850	No	Yes	Yes	Yes
Uganda	Bharti Airtel	UMTS 900, UMTS 2100	Yes	Yes	No	No
Uganda	MTN Uganda	GSM 900, UMTS 2100, UMTS 900	Yes	Yes	No	No
Ukraine	PRJSC "Kyivstar"	GSM 1800, GSM 900, UMTS 2100, LTE 1800, LTE 2600, LTE 900	Yes	Yes	Yes	Yes
Ukraine	PRJSC "Vf Ukraine"	GSM 1800, GSM 900, UMTS 2100, LTE 1800, LTE 2600, LTE 900	Yes	Yes	Yes	Yes
Ukraine	PRJSC "Vf Ukraine"	GSM 900, GSM 1800, UMTS 2100, LTE 1800, LTE 2600	Yes	Yes	Yes	Yes
United Arab Emirates	Emirates Integrated Telecommunications Company	UMTS 2100, LTE 800, LTE 1800	No	Yes	Yes	No
United Arab Emirates	Emirates Integrated Telecom. Company PJS	UMTS 2100, LTE 1800	No	Yes	Yes	Yes
United Kingdom	EE	GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, LTE 2100	Yes	Yes	Yes	Yes
United Kingdom	EE	GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, LTE 2100	Yes	Yes	Yes	Yes
United Kingdom	Hutchison 3G UK Ltd	UMTS 2100, LTE 800, LTE 1800, LTE 2100	No	Yes	Yes	Yes
United Kingdom	Vodafone	GSM 900, GSM 1800, UMTS 2100, LTE 800, LTE 1800, LTE 2600, UMTS 900, LTE 900, LTE 2100, TD-LTE 2600	Yes	Yes	Yes	Yes
United States	AT&T	UMTS 1900, UMTS 850, LTE 1700, LTE 1900, LTE 2100, LTE 700, LTE 850	No	Yes	Yes	Yes
United States	T-Mobile USA, Inc	GSM 1900, LTE 1700, LTE 1900, LTE 2500, LTE 700, LTE 850	Yes	No	Yes	Yes
United States	AT&T MOBILITY	LTE 1700, LTE 1900, LTE 2100, LTE 700, LTE 850	No	No	Yes	Yes
Uruguay	AM Wireless Uruguay S.A.	GSM 1900, LTE 1700, UMTS 1900	Yes	Yes	Yes	Yes
Uzbekistan	Unitel LLC	GSM 1800, GSM 900, UMTS 2100, LTE 2600	Yes	Yes	Yes	Yes
Uzbekistan	Universal Mobile Systems	GSM 900, GSM 1800, UMTS 2100, LTE 800	Yes	Yes	Yes	Yes
Vanuatu	Digicel Vanuatu Ltd	GSM 900, UMTS 900	Yes	Yes	No	No
Vietnam	Vietnam Telecom Services Company	GSM 900, GSM 1800, UMTS 2100, LTE 1800, UMTS 900	Yes	Yes	Yes	Yes
Vietnam	Vietnam Mobile Telecom Services Company	GSM 1800, GSM 900, UMTS 2100	Yes	Yes	Yes	Yes
Vietnam	Hanoi Telecom	GSM 900, UMTS 2100	Yes	Yes	No	Yes
Virgin Islands, British	DIGICEL BRITISH VIRGIN ISLANDS	GSM 1800, GSM 1900, UMTS 1900, LTE 1700, LTE 700	Yes	Yes	Yes	Yes
Virgin Islands, British	Cable & Wireless	UMTS 850, LTE 700, LTE 1900, UMTS 1900	No	Yes	Yes	Yes
Virgin Islands, British	Digicel BVI	GSM 1900, UMTS 2100, LTE	Yes	Yes	Yes	Yes