

Commonly notified classes of emission

Examples of radio systems	Description of emissions	Classes of emission
Mobile service - IMT systems (e.g. GSM (2G), GPRS (2.5G), EDGE (2.75G), UMTS (3G), CDMA (3G), IMT-Adv. (4G) and etc.)	Phase modulation multichannel containing quantized or digital information	G7W
Other mobile systems	Amplitude-modulated, single-channel, continuous-wave telegraphy	A1A/A1B/A2A/A2B
	Amplitude-modulated, double-sideband analogue telephony	A3E
	Frequency modulation containing quantized or digital information, telegraphy	F1B
	Frequency modulation analogue telephony	F3E
	Single channel phase modulation telegraphy	G1B
	Single-sideband and independent-sideband amplitude-modulated emissions for telephony or multi-channel voice-frequency telegraphy	J3E/J7B
	Single-sideband, suppressed carrier with single channel containing quantized or digital information for data transmission	J2D

Examples of radio systems	Description of emissions	Classes of emission
Fixed service systems	Phase modulation with two or more channels with quantized or digital information for digital radio-relay system	G7W
	Amplitude and angle-modulation with two or more channels with quantized or digital information for digital radio-relay system	D7W
	Pulse position modulated with two or more channels with quantized or digital information, telephony for radio-relay system	M7E
Radiolocation service systems	Unmodulated pulse emission for Radars	P0N
Radionavigation service systems	Pulses emission, angle-modulated, with a single channel containing analogue information for radionavigation radars	Q3N
Aeronautical service systems	Amplitude-modulated, double-sideband with multichannel containing analogue information for VOR: VHF omnidirectional radio range	A8W
	Pulses emission, angle-modulated, with a single channel containing analogue information for Aeronautical radionavigation radars	Q3N

Examples of radio systems	Description of emissions	Classes of emission
TV broadcasting		
ATSC	VSB	C7W
DVB-T	OFDM (QPSK, 16-QAM, 64-QAM)	X7FXF
DVB-T2	COFDM (QPSK, 16-QAM, 64-QAM, 256-QAM)	X7FXF
DVB-H	OFDM	X7F
ISDB-T	SOFDM	X7F
ISDB-T(Multimedia System F)	OFDM	X7WXF
T-DMB	COFDM	X7WXF
Sound broadcasting		
T-DAB	COFDM	X7EXF
T-DMB	COFDM	X7WXF
LF/MF Bands	AM	A3E
Broadcasting in tropical zone	AM	A3E/A8E
FM Band	FM	F3E/F8E

References:

- Appendix 1 to the Radio Regulations
- GE06 Agreement
- Recommendations ITU-R SM.328, SM.1138, M.1823, BT.1306, BT.2016 and BS.114