

## SwiftBroadband Emission Designators

The Emission Designator List contains the Standardised Emission Designator Codings for the SwiftBroadband System used by Inmarsat for its Regulatory License Applications.

Inmarsat Signal Description	FCC Emission Designator	Occupied (or "necessary") Bandwidth	Allocated bandwidth	Type of Modulation	Modulating signal	Type of Tx information
<b>CLASS 3A</b>						
RT05Q	<b>25K0G1D</b>	21kHz	25K0 - 25kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	D - Data transmission, telemetry or telecommand
RT1Q	<b>50K0G1D</b>	42 kHz	50K0 - 50 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	D - Data transmission, telemetry or telecommand
RT2Q	<b>100KG1D</b>	84 kHz	100K - 100 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	D - Data transmission, telemetry or telecommand
RT45Q	<b>200KG1D</b>	189 kHz	200K - 200 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	D - Data transmission, telemetry or telecommand
<b>CLASS 7 (Single Channel)</b>						
RT05Q	<b>25K0G1W</b>	21kHz	25K0 - 25kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT1Q	<b>50K0G1W</b>	42 kHz	50K0 - 50 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT2Q	<b>100KG1W</b>	84 kHz	100K - 100 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT45Q	<b>200KG1W</b>	189 kHz	200K - 200 kHz	Phase Modulation (G) - QPSK	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT1X	<b>50K0D1W</b>	42 kHz	50K0 - 50 kHz	QAM Modulation (D)	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT2X	<b>100KD1W</b>	84 kHz	100K - 100 kHz	QAM Modulation (D)	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
RT45X	<b>200KD1W</b>	189 kHz	200K - 200 kHz	QAM Modulation (D)	1 - A single channel containing quantised or digital information without the use of a modulating sub-carrier, excluding time division multiplex	W - Combination of Data, Telephony, Fax etc
<b>CLASS 6 (Dual Channel)</b>						
RT05Q	<b>25K0G7W</b>	21kHz	25K0 - 25kHz	Phase Modulation (G) - QPSK	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT1Q	<b>50K0G7W</b>	42 kHz	50K0 - 50 kHz	Phase Modulation (G) - QPSK	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT2Q	<b>100KG7W</b>	84 kHz	100K - 100 kHz	Phase Modulation (G) - QPSK	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT45Q	<b>200KG7W</b>	189 kHz	200K - 200 kHz	Phase Modulation (G) - QPSK	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT1X	<b>50K0D7W</b>	42 kHz	50K0 - 50 kHz	QAM Modulation (D)	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT2X	<b>100KD7W</b>	84 kHz	100K - 100 kHz	QAM Modulation (D)	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc
RT45X	<b>200KD7W</b>	189 kHz	200K - 200 kHz	QAM Modulation (D)	7 - Two or more channels containing quantised or digital information	W - Combination of Data, Telephony, Fax etc