

FCC Emissions Designators for LoCate (LOCA01):

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Per instruction (g) of section 2.201, the necessary bandwidth is to be included before these designators for the full designation. These designations are identical to those for NJICVDM-3 and NJICVDM-2000 as noted on the FCC OET website.

Control Channel:

Necessary bandwidth is +/-20 KHz, which has the symbol: 40K0

Symbol Number	Symbol Requirement	Choice	Designator
First	type of modulation of the carrier	Frequency Modulation	F
Second	nature of signals modulating the carrier	Single channel containing quantized or digital information without the use of a modulating sub-carrier	1
Third	Type of information to be transmitted	Data transmission, telemetry, telecommand	D

Designator for Control Channel: 40K0F1D

Voice Channel:

Voice Channel is analog communications, FM modulation with 15 KHz bandwidth plus a short burst of telecommand.

Signalling Tone and Handoff Commands:

Necessary bandwidth is +/-20 KHz, which has the symbol: 40K0

Symbol Number	Symbol Requirement	Choice	Designator
First	type of modulation of the carrier	Frequency Modulation	F
Second	nature of signals modulating the carrier	Single channel containing quantized or digital information without the use of a modulating sub-carrier	1
Third	Type of information to be transmitted	Data transmission, telemetry, telecommand	D

Voice Channel:

Voice Communications:

Necessary bandwidth is +/-20 KHz, which has the symbol: 40K0

Symbol Number	Symbol Requirement	Choice	Designator
First	type of modulation of the carrier	Frequency Modulation	F
Second	nature of signals modulating the carrier	Two or more channels containing analogue information	8
Third	Type of information to be transmitted	Telephony (E) and Telemetry (D) for a combination (W)	W

Although the LoCate does not use the modem at this time, the standard designation for a cellular telephone should be used to allow future additions of the modem.

Designator for Voice Channel: 40K0F1D and 40K0F8W

The designators to be applied for in the FCC application for LoCate (LOCA01) are:

40K0F1D
40K0F8W