

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	A single channel containing analogue information	3
Third	Type of information to be transmitted	Telemetry (D)	D

Signalling tone and handoff commands being F1D and the Voice Channel being F3D give the following:

F both are frequency modulation

7 a combination, as both are not the same (1 and 3 are different and not otherwise designated)

D as both are D

The Voice Channel designation is thus: 40K0F7D.

The SAT (a sinusoidal signal FM modulated at +/- 2 KHz peak deviation, at 5970 Hz, 6000 Hz or 6030 Hz) is the only signal being transmitted with this device, there is no voice or modem modulation.

Designator for Voice Channel: 40K0F7D

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

40K0F1D
40K0F7D

