Certificate of Construction Type

Nemko North America, Inc., operating as a Conformity Assessment Body (CAB ID Number: 218) with respect to Japan, hereby declares that the product detailed below has been granted type certification in accordance with the provisions of Article 38-24(1) of the Japan Radio Law (Law No. 131, 1950 and Amendments)

Certificate Number:	**CER234891**
Certification Number:	R **218-240466**
Certificate Holder:	Viasat Inc. 6155 El Camino Real Carlsbad, CA 92009, USA
Manufacturer:	Viasat Inc. 1725 Breckinridge Plaza Duluth, GA 30096, USA
Model(s):	GM-40 (Global Mantarray-40)
Product Description:	Airborne Antenna
Type of Application:	Update
Standards used for Testing:	TELEC Characteristics test method for ESIM Mobile Earth Station Article 1, Paragraph 3 of Article 15 of the Equipment Regulations
Test Report Number(s):	REP088161-TRFWL, Issue date: April 14, 2025 REP081578-TRFWL, Issue date: February 24, 2025 REP035249-2TRFWL, Issue date: October 16, 2024 REP092621-TRFWL, Issue date: May 12, 2025 REP114707-TRFWL, Issue date: October 24, 2025
Antenna Information:	Horn array, 40.5 dBi
Hardware Version:	--
Software Version:	--

Certificate Version: 1.0

Authorized by Vina Kerai, Certification Manager, TCB

Date **April 7, 2026**

Annex to Certificate of Construction Type

Technical Characteristics

Transmitter Type	Category of Specified Radio Equipment (Article 2 Paragraph 1)	Frequency Range (MHz)	Type of Modulation(s)	Occupied Frequency Bandwidth	Class of Emissions	Antenna (Transmit) Power
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	0M78	G9W	0.9 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	6M25	G9W	7.0 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	12M5	G9W	14.0 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	0M74	F9W, G7W	0.9 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	5M94	F9W, G7W	7.0 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	11M9	F9W, G7W	14.0 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	5M63	G9W	2.5 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	11M3	G9W	5.0 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	22M5	G9W	6.3 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	45M0	G9W	6.3 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	0M78, 5M63, 12M5, 90M0, 180M	G7W	31.6 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	45M0, 90M0, 180M	G7W	20 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	22M5	G7W	15.9 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	11M3, 45M0	G7W	10.8 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	0M78, 7M05	G7W	10 W

Technical Characteristics, continued

Transmitter Type	Category of Specified Radio Equipment (Article 2 Paragraph 1)	Frequency Range (MHz)	Type of Modulation(s)	Occupied Frequency Bandwidth	Class of Emissions	Antenna (Transmit) Power
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	5M63	G7W	6.4 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	12M5	G7W	1.1 W
Earth Station in Motion (ESIM)	Item (28-2-4)	29500–30000	BPSK, QPSK, 8PSK	0M78	G7W	0.1 W

Conditions of Validity

This certificate is limited to products which are equal to the one examined in the type-examination. The equipment must only be serviced by authorized personnel. There are no end user serviceable parts.

Labeling of Radio Equipment

The marking must be affixed to an easily noticeable section of the specified radio equipment. Note that additional information may be necessary if the device is also subject to a telecom approval. When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:

R 218-240466