




Thirtieth Schedule to Decision No. MCA/D-22-4662

Apparatus General Authorisation for Very Small Aperture Terminals (VSAT) Operating in the 11 GHz and 14 GHz Frequency Bands

Publication Date
13 November 2023

 (+356) 2133 6840  info@mca.org.mt  www.mca.org.mt

 Valletta Waterfront, Pinto Wharf, Floriana FRN1913, Malta

Revision History of the Thirtieth Schedule

Very Small Aperture Terminals operating in the 11 GHz and 14 GHz frequency bands

Date	Comments
13/11/2023	Publication

**This Schedule shall be read and construed as one with
Part I and Part II of Decision No. MCA/D/22-4662**

**Adopted pursuant to Article 30A of the
Electronic Communications (Regulation) Act (Cap. 399)
establishing the radiocommunications apparatus
general authorisation**

Article 1 – Applicability

This apparatus general authorisation applies to any person installing or using a very small aperture terminal operating in the 11 GHz and 14 GHz frequency bands or any apparatus intended to be used as a component part of that system.

Article 2 – Interpretation

In this Schedule unless the context otherwise requires:

- (1) “ECC Report 272” means the report developed by the Electronic Communications Committee of CEPT on earth stations operating in the frequency bands 4-8 GHz, 12-18 GHz and 18-40 GHz in the vicinity of aircraft;
- (2) EN 301 428” means Satellite Earth Stations and Systems (SES); Harmonised Standard for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of Directive 2014/53/EU;
- (3) “HIRF” means high intensity radiated field;
- (4) “Time Division Multiple Access” or “TDMA” means a transmission technique involving the multiplexing of many time slots onto the same time payload; and
- (5) "Very small aperture terminal" or "VSAT" means apparatus operating with geostationary satellites, with characteristics in compliance with those described in section 1 (scope) of EN 301 428.

Article 3 – Minimum technical parameters

- (1) Unless otherwise specified in the National Frequency Plan, a VSAT shall operate with geostationary satellites as part of the fixed-satellite service within the frequency bands 10.70-11.70 GHz (space-to-Earth) and 14.25-14.50 GHz (Earth-to-space) under the control of a satellite system.
- (2) In using a VSAT, the compliance with aircraft HIRF protection criteria based on ECC Report 272, using maximum HIRF field strength of 190 V/m within the 14.25-14.5 GHz band shall be ensured:

Provided that the maximum e.i.r.p. of a VSAT shall be limited to 50 dBW and if the VSAT is operating within TDMA networks the maximum e.i.r.p. shall be respected after taking into consideration the duty cycle.¹

¹ Refer to sections 3.3 and 3.4 of ECC Report 272.