



The International Amateur Radio Union

Since 1925, the Federation of National Amateur Radio Societies
Representing the Interests of Two-Way Amateur Radio Communication

IARU Amateur Satellite Frequency Coordination

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MIR-SAT1	Updated: 26 Jun 2019	Responsible Operator	Jean Marc Momplé 3B8DU
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Supporting Organisation MRC - Mauritius Research Council
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Headline Details: A 1U CubeSat mission with the following objectives: 1. Verify the performance of the on-board subsystems by receiving telemetry from the satellite and establish communication to and from the satellite (command and control). 2. Collect images of Mauritius and the Mauritian EEZ for capacity, building, experiment and research. 3. Experimental communication with other islands via the satellite (for scientific and/or emergency purposes), through a Radio Amateur digipeater payload. 4. V/U 9600bps GMSK digipeater may be open for Radio Amateur communication worldwide when the satellite not used for all above. Proposing VHF uplink and a UHF downlink using 9k6 GMSK with AX25. Planning a JAXA launch to the ISS in December 2019 for subsequent deployment.

Application Date: 26 Jun 2019 Freq coordination completed on

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