

Frequenze operative Stazione Spaziale ISS

Scritto da IK0YYY

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Girando qua e là in rete, ho trovato questo file, dove vengono menzionate le frequenze operative della stazione spaziale ISS. Buon divertimento:

FM VOICE for ITU Region 1: Europe-Middle East-Africa-North Asia

Downlink 145.800

Uplink 145.200

FM VOICE for ITU Region 2&3: North and South America-Caribbean-Greenland-Australia-South Asia

Downlink 145.800

Uplink 144.490

FM VOICE Repeater (Worldwide)

Downlink 145.800

Uplink 437.800

AX.25 1200 Bd AFSK Packet Radio (Worldwide)

Downlink 145.825

Uplink 145.825

UHF Simplex (rarely used)

Downlink 437.550

Uplink 437.550

Other Frequencies:

121.75 FM

Voice downlink from Soyuz-TM during free flight operations, the frequency also carries ranging information from the TORU remote control docking system, and carries a recovery beacon signal during Soyuz descent (detectable over near-east and south-west Asia)

130.167 AM

VHF-2 downlink from Zarya - carries voice (Russian and English) plus packet data, sometimes instead of VHF-1 (during shuttle-docked periods) and sometimes in parallel with VHF-1

143.625 FM

VHF-1 downlink, the main Russian comms channel - content similar to VHF-2 - works with Russian ground stations plus White Sands AFB, Dryden Flight Center and Wallops Island in the US

166.000 AM

Telemetry during orbital operations of Soyuz-TM and Progress M-1 vehicles, also occasional transmissions from ISS

- probably from a docked Soyuz or Progress ferry, it can be heard as a buzz with two distinct peaks at 166.125 and 165.875 MHz

259.700 AM

Voice from Space Shuttle during ascent and descent - reported as detectable over east coast US then from Europe about 20 minutes after lift-off, generally silent at other times but has been detected over Europe on the descent orbit

632.000 634.000 AM

Telemetry from Zarya module, similar to the 166 MHz transmission with peaks at +/- 125 kHz
- transmissions not very frequent and seem to be confined to 634 MHz - most likely on passes over eastern Europe - watch out for the Doppler shift at this frequency
- it can make the signal appear up to 15 kHz off-frequency

628.000 630.000 AM

Telemetry from Zvezda module, transmissions are similar to, and more frequent than those from Zarya and are on command from Moscow
- the two transmitters appear to operate in parallel

922.76 CW

Beacon from Soyuz-TM and Progress M1 and from the Russian ISS modules - tends to be received in parallel with the 166 MHz or 620-630 MHz transmissions, beware of the Doppler, it ranges +/- 23 kHz from the centre frequency

2265.0 Digital

S-Band Single Access Telemetry Downlink

15003.4 Digital

Ku-Band Single Access Downlink. Used for video and large file transfers.

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