

HT Programming for SO-50, AO-85, and the ISS

(Updated 11/05/2016)

SO-50 – Please work in full-duplex mode

Ch #	Alpha	TX Freq	TX Tone	RX Freq	RX Tone
501	50 +4	145.850	67.0	436.815	None
502	50 +3	145.850	67.0	436.810	None
503	50 +2	145.850	67.0	436.805	None
504	50 +1	145.850	67.0	436.800	None
505	50 74	145.850	74.4	436.795	None
506	SO-50	145.850	67.0	436.795	None
507	50 -1	145.850	67.0	436.790	None
508	50 -2	145.850	67.0	436.785	None
509	50 -3	145.850	67.0	436.780	None

AO-85 (fka, FOX-1A) – Please work in full-duplex mode

Ch #	Alpha	TX Freq*	TX Tone	RX Freq**	RX Tone
851	AOS-2	435.160	67.0	145.980	None
852	AOS-1	435.165	67.0	145.980	None
853	AO-85	435.170	67.0	145.980	None
854	LOS-1	435.175	67.0	145.980	None
855	LOS-2	435.180	67.0	145.980	None

ISS Frequencies

FM Voice ITU Region 1	FM Voice ITU Region 2/3
Europe, Middle East, Africa, North Asia 145.800 downlink 145.200 uplink	N./S. America, Caribbean, Australia, S. Asia 145.800 downlink 144.490 uplink

FM SSTV downlink 145.800 AX.25 1200 baud Packet 145.825

ISS Packet - **11/2016 UPDATE** - With the failure of one rig, the ISS crew set up another for packet ops – but on 440: You need to accommodate for Doppler, as the TX frequency will creep upwards as the RX frequencies decrease. Suggested setup for your rigs ...

AOS-2	AOS-1	ISS-MID	LOS-1	LOS-2
RX 437.560	RX 437.555	RX 437.550	RX 437.545	RX 437.540
TX 437.540	TX 437.545	TX 437.550	TX 437.555	TX 437.560

Watch **AMSAT.org** for updates on the Fox projects, and
ARISS.org for ISS equipment change info!

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* - These frequencies have “shifted” from what AMSAT-NA originally published.

** - And the downlink may need to be slightly adjusted on some passes. Experiment!