



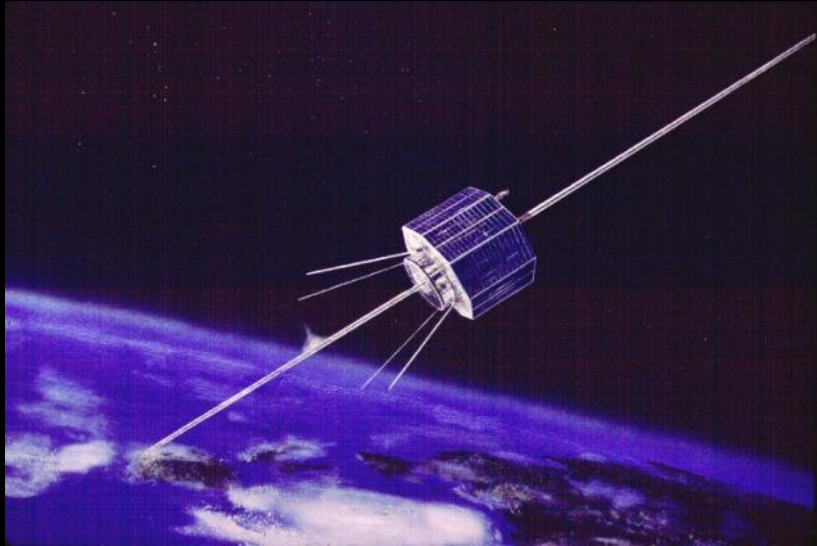
Aktuelle Frequenzliste von aktiven Transponder-Satelliten

Michael Lipp, HB9WDF

USKA Sektion Luzern, HB9LU

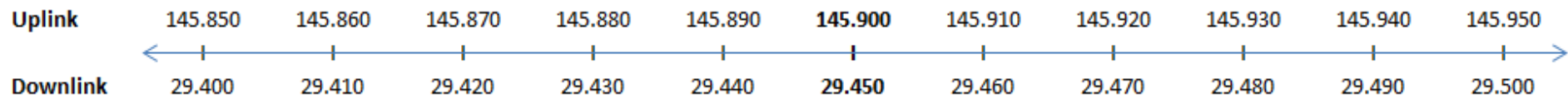
19. September 2014

Aktive Amateurfunksatelliten mit Transponder: AO-7

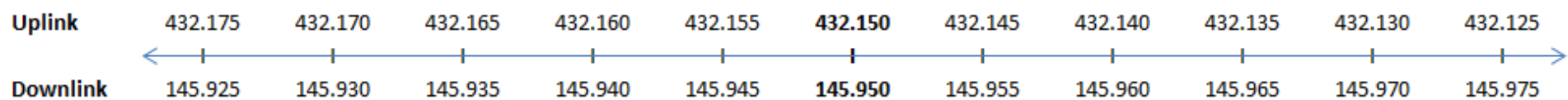


Transponderdaten	
Mode A:	145.850 – 145.950 CW/LSB
Mode B:	432.125 – 432.175 CW/LSB
Mode A:	29.400 – 29.500 CW/USB
Mode B:	145.925 – 145.975 CW/USB
29.502 / 145.972 / 435.100 CW	

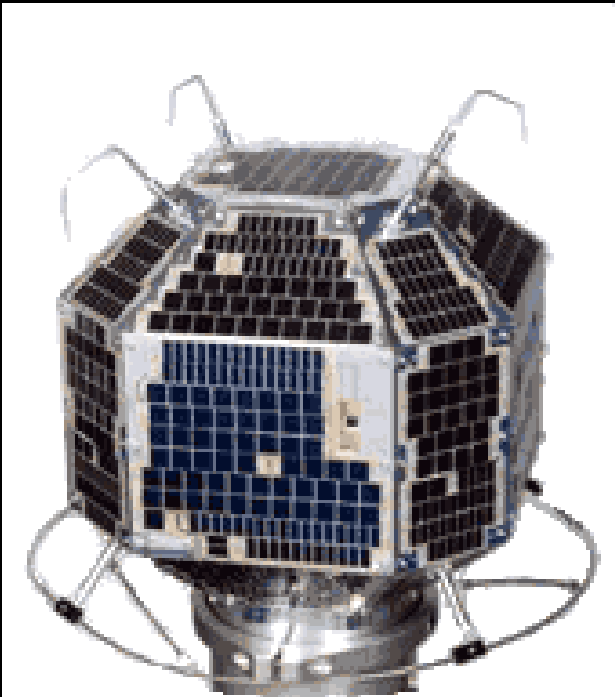
Mode A:



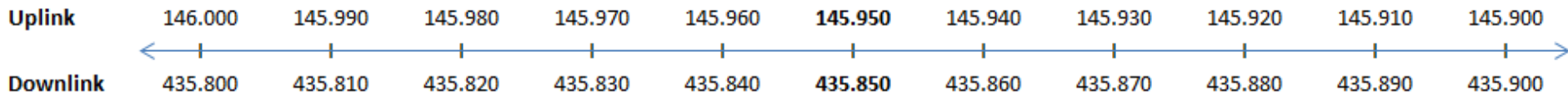
Mode B:



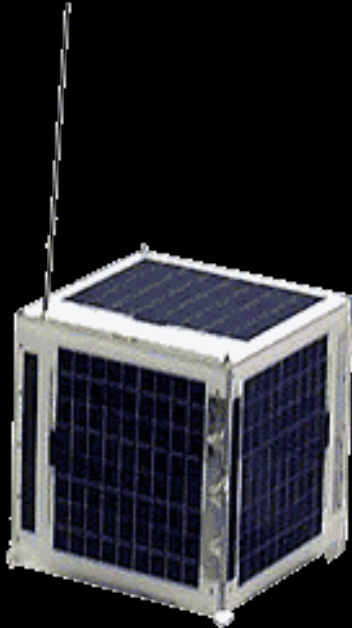
Aktive Amateurfunksatelliten mit Transponder: FO-29



Transponderdaten	
↑	145.900 – 146.000 CW/SSB
↓	435.800 – 435.900 CW/SSB
↑	435.795 CW



Aktive Amateurfunksatelliten mit Transponder: SO-50



Transponderdaten	
↑	145.850 FM
↓	436.800 (436.795) FM
↕	436.800 FM

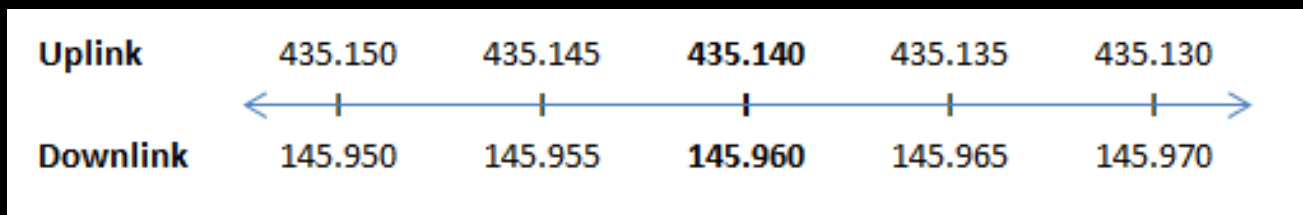
	SO-50	Uplink	Downlink
	AOS-1	145.845	436.805
	AOS-2	145.850	436.800
	TCA	145.850	436.795
	LOS-1	145.850	436.790
	LOS-2	145.855	436.785

Subaudio TX	Subaudio SAT on
67.0 Hz	74.4 Hz

Aktive Amateurfunksatelliten mit Transponder: AO-73



Transponderdaten	
435.150 – 435.130	CW/LSB
145.950 – 145.970	CW/USB
145.935	USB 1k2 BPSK



Aktive Amateurfunksatelliten mit Transponder: Ukube Funcube 2



Transponderdaten

435.080 – 435.600

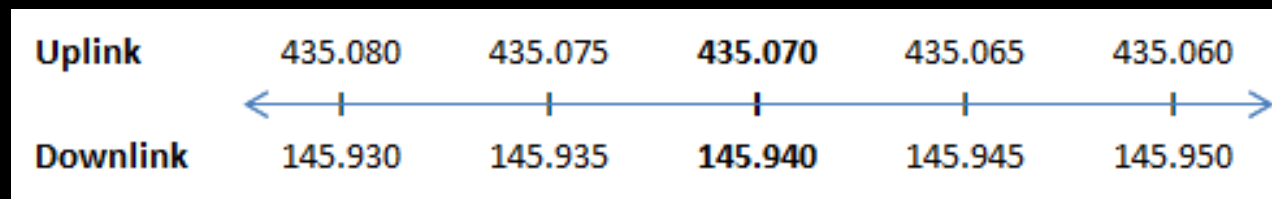
CW/LSB

145.930 – 145.950

CW/USB

145.915

USB 1k2 BPSK



Aktive Amateurfunksatelliten mit Transponder: LO-75 (Cape-2)



Transponderdaten	
437.325	Different modulation types and various adaptive protocols
437.325	Different modulation types and various adaptive protocols
145.825	FM 1k2 AFSK AX.25 / CW



LO-75	Uplink	Downlink
AOS-1	437.315	437.335
AOS-2	437.320	437.330
TCA	437.325	437.325
LOS-1	437.330	437.320
LOS-2	437.335	437.315

Aktive Amateurfunksatelliten mit Transponder: EO-79 (AMSAT NL)

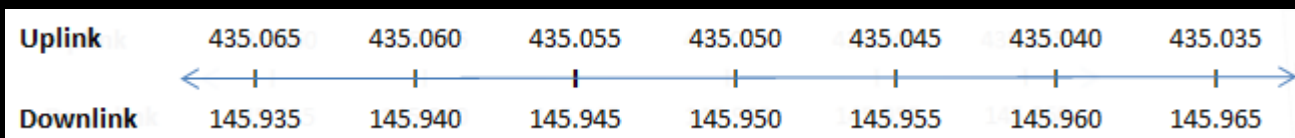


Transponderdaten

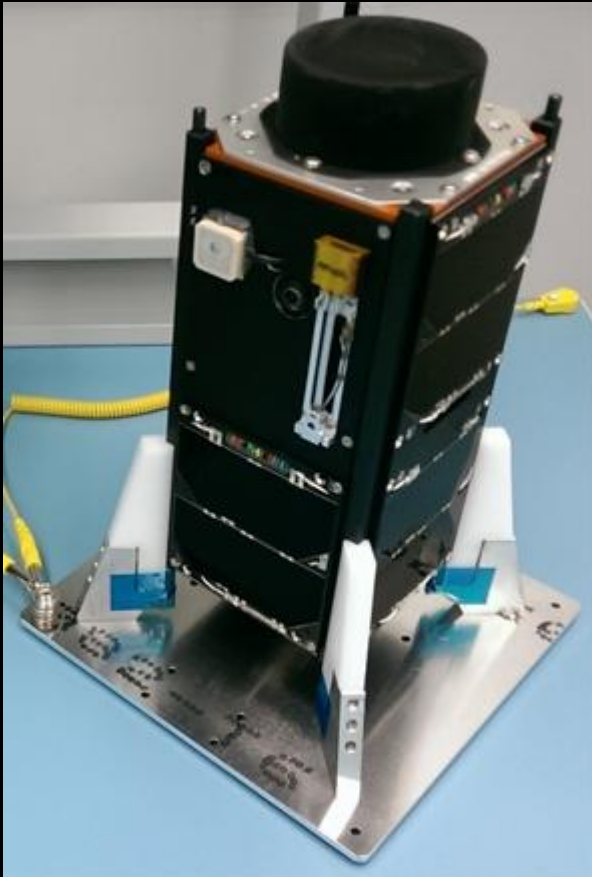
435.065 – 435.035
CW/LSB

145.935 – 145.965
CW/USB

145.935
USB 1k2 BPSK



Aktive Amateurfunksatelliten mit Transponder: EO-80 (AMSAT-Francophone)



Transponderdaten



Noch nicht veröffentlicht
FM ~Anfang 2015



145.840
FM



145.840
FM 2.4/9k6 AFSK AX.25

Sprout



Sprout	Uplink	Downlink
AOS-1	437.590	437.610
AOS-2	437.595	437.605
TCA	437.600	437.600
LOS-1	437.605	437.595
LOS-2	437.610	437.590

Transponderdaten

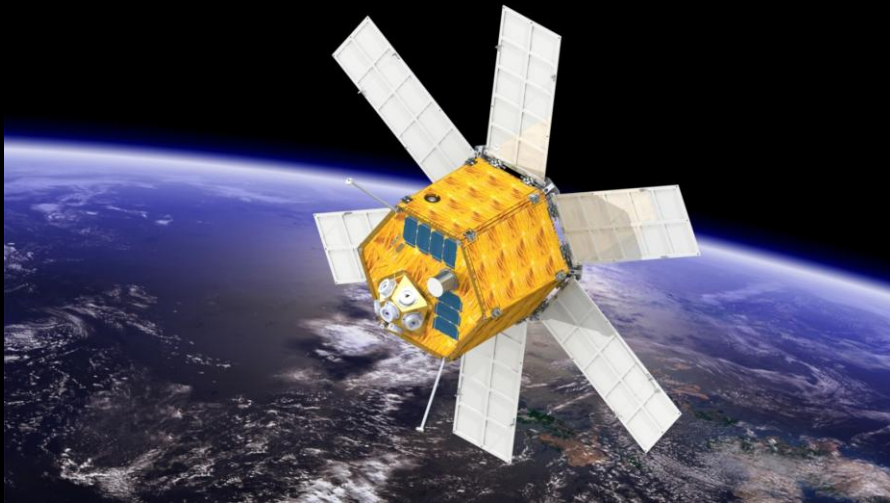
437.600 (Digitaler)
FM ~Anfang 2015

437.600 Digitaler, SSTV, weitere
FM

437.525
FM 2.4/9k6 AFSK AX.25



TableSat Avrora



Transponderdaten	
↑	437.0500 D-Star
↓	437.0500 D-Star
↕	435.550 / 436.100 / (8192) GMSK

Tablesat	Uplink	Downlink
AOS-1	437.0600	437.0400
AOS-2	437.0575	437.0425
AOS-3	437.0550	437.0450
AOS-4	437.0525	437.0475
TCA	437.0500	437.0500
LOS-1	437.0475	437.0525
LOS-2	437.0450	437.0550
LOS-3	437.0425	437.0575
LOS-4	437.0400	437.0600

HAM QRG's

Amateur Radio Frequencies (Note: Only one mode active at a time) **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 U/v VOICE Repeater (Worldwide)

- Downlink 145.800
- Uplink 437.800

FM V/u with PL VOICE Repeater (Worldwide)

- Downlink 437.800
- Uplink 145.990 with 67.0 PL

FM L/v VOICE Repeater (Worldwide)

- Downlink 145.800
- Uplink 1269.650

AX.25 1200 Bd AFSK Packet Radio (Worldwide)

- Downlink 145.825
- Uplink 145.825

FM SSTV downlink (Worldwide)

- Downlink 145.800

Andere QRG's

121.125 FM

RS EVA from Orlan suit [Credit N5VHO] (wide)

121.75 FM

Downlink from Soyuz-TM (voice). RS EVA from Orlan suit. Soyuz VHF-2. Progress Telemetry. [Credit N5VHO]

130.167 AM

VHF-2 Downlink from Zarya (Service Module). RS EVA to Orlan suits [Credit N5VHO]

143.625 FM

VHF-1 downlink. Main Russian communications channel. Often active over Moscow. You can hear air to ground conversations in Russian.

Quelle: www.issfanclub.com

Hilfreiche Links 1

Satellite Tracking und TRX Steuerung

PC

SATPC-32: <http://www.dk1tb.de/>

HalloSat: <http://www.hallosat.de/german/index.htm>

HRD: <http://www.ham-radio-deluxe.com/>

MAC:

Mac-Doppler: http://store.amsat.org/catalog/product_info.php?products_id=75

LINUX:

Gpredict: <http://gpredict.oz9aec.net/>

Hilfreiche Links 2

Informationsquellen

Aktuelle Keplerdaten:

AMSAT <http://www.amsat.org/amsat/ftp/keps/current/nasa.all>

Celestrak <https://celestrak.com/NORAD/elements/>

Space Track <https://www.space-track.org>

Aktueller Satellitenstatus:

Live Oscar Status <http://oscar.dcarr.org/>

DK3WN Blog <http://www.dk3wn.info/p/>

Satelliten Info und Tools:

DK3WN <http://www.dk3wn.info/>

HB9SKA <http://home.datacomm.ch/th.frey/oscar.htm>