

Table 14-10

Satellite Radio Transmissions: 136- to 138-MHz Band

Frequency (MHz)	International designation	Name	Period (minutes)	Inclination (degrees)	Apogee/perigee (km)
136.110	77014A	KIKU-2	1436.3	8.0	35851/35731
136.112	86061C	MABES	116.0	50.0	1500/1470
136.112	90013A	MOS-1B	103.3	99.1	940/913
136.138	77080A	SIRIO	1437.2	5.7	35849/35766
136.140	62BU1	RELAY-1	185.1	47.5	7439/1320
136.230	62AA1	TIROS-5	99.8	58.1	916/577
136.260	67040D	ERS-20	2840 ^{*1}	32.9	111529/8619
136.370	67111A	ATS-3	1436.1	12.6	35849/35724
136.380	69046B	OV5-6	3115 ^{*1}	32.9	113084/15460
136.380	75100A	GOES-1	1436.7	8.7	35814/35781
136.380	77048A	GOES-2	1436.2	7.0	35812/35762
136.380	78062A	GOES-3	1436.1	5.8	35811/35761
136.410	69009A	ISIS-1	127.9	88.4	3484/576
136.410	71024A	ISIS-2	113.5	88.2	1423/1354
136.440	66077B	EGRS-7	167.5	89.7	3697/3674
136.500	70025A	NIMBUS-4	107.1	99.8	1097/1086
136.620	62BU1	RELAY	185.1	47.5	7439/1320
136.625	70009A	SERT-2	106.1	99.2	1045/1039
136.650	64083D	TRANSIT	106.2	89.8	1081/1017
136.694	71080A	SHINSEI	113.1	32.0	1867/873
136.770	79057A	NOAA-6	100.9	98.5	812/794
136.770	84123A	NOAA-9	101.9	99.1	861/838
136.770	88089A	NOAA-11	102.0	98.9	863/843
136.800	66077C	ERS-15	167.6	89.7	3698/3682
136.800	69037B	EGRS-13	107.2	99.9	1127/1067
136.860	78012A	IUE	1435.9	31.6	42428/29137
136.890	90013B	DEBUT	110.5	99.1	1614/903
137.050	77108A	METEOSAT-1	1435.9	7.8	35888/35675
137.080	71110C	DOD	104.8 ^{*1}	70.0	993/978
137.080	81057A	METEOSAT-2	1436.2	2.3	35808/35767
137.170	81122A	MARECS A	1436.1	3.0	35803/35770
137.170	84114B	MARECS-B2	1436.1	2.7	35799/35778
137.190	78062A	GOES-3	1436.1	5.8	35811/35761
137.230	81115A	BHASKARA2	94.4	50.7	497/480
137.300 APT	89018A	METEOR 2-18	104.0	82.5	958/936
137.330 APT	84105A	COSMOS 1602	97.6	82.5	658/624
137.350	66110A	ATS-1	1250.8	12.5	38075/26076
137.350	67111A	ATS-3	1436.1	12.6	35849/35724
137.380	69082B	TIMATION	103.2	70.0	926/895
137.400	83033A	ROHINI 3	95.0	46.6	668/368
137.400 APT	87068A	METEOR 2-16	104.0	82.6	959/938
137.400 APT	88005A	METEOR 2-17	104.0	82.5	959/933
137.400 APT	88056A	OKEAN-1	97.6	82.5	661/626
137.400 APT	90057A	METEOR 2-19	104.1	82.3	974/951
137.410	69082E	S69-4	103.3	70.0	930/899
137.440	75033A	ARIABAT	94.8	50.7	516/496
137.500 APT	79057A	NOAA-6	100.9	98.5	812/794
137.500 APT	86073A	NOAA-10	101.1	98.6	823/802
137.530	75049B	SRET-2	737.8	62.8	40825/513
137.560	71093A	PROSPERO	105.2	82.1	1469/536
137.560	79047A	ARIEL-6	95.0	55.0	532/500
137.620 APT	84123A	NOAA-9	101.9	99.1	861/838
137.620 APT	88089A	NOAA-11	102.0	98.9	863/843
137.770	84123A	NOAA-9	101.9	99.1	861/838
137.770	88089A	NOAA-11	102.0	98.9	863/843
137.795 APT ^{*2}	88080A	FENGYUN-1	102.7	99.2	897/877
137.850 APT	85100A	METEOR 3-1	109.3	82.5	1209/1178
137.850 APT	88064A	METEOR 3-2	109.3	82.5	1209/1178
137.850 APT	89086A	METEOR 3-3	109.5	82.6	1228/1191

International designations: First two digits give year. Next three digits label launches in order. Letter indicates object when multiple spacecraft are launched on a single vehicle.

Data for this chart was obtained from: G. Roberts (ZS1BI), G. Zehr (WA9TFB), *Spacewarn Bulletin*, JESAUG, NOAA/NESDIS APT Information Notes and other sources listed in Table 14-9.

Orbit data obtained from: *Satellite Situation Report*, NASA, March 31, 1989.

^{*1}Outdated orbital data; current elements not available.

^{*2}Believed to be no longer operating.