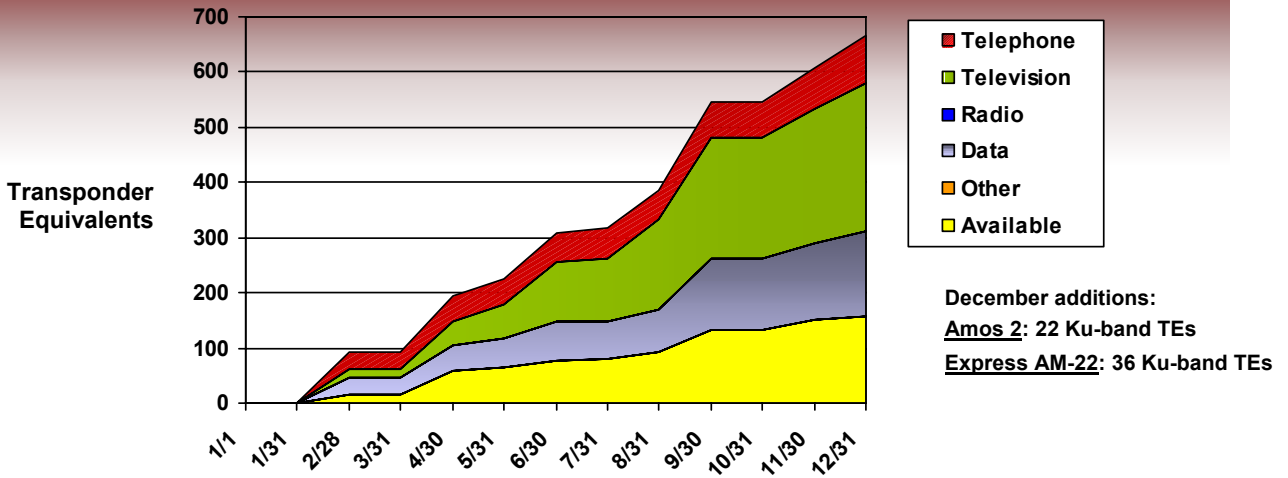




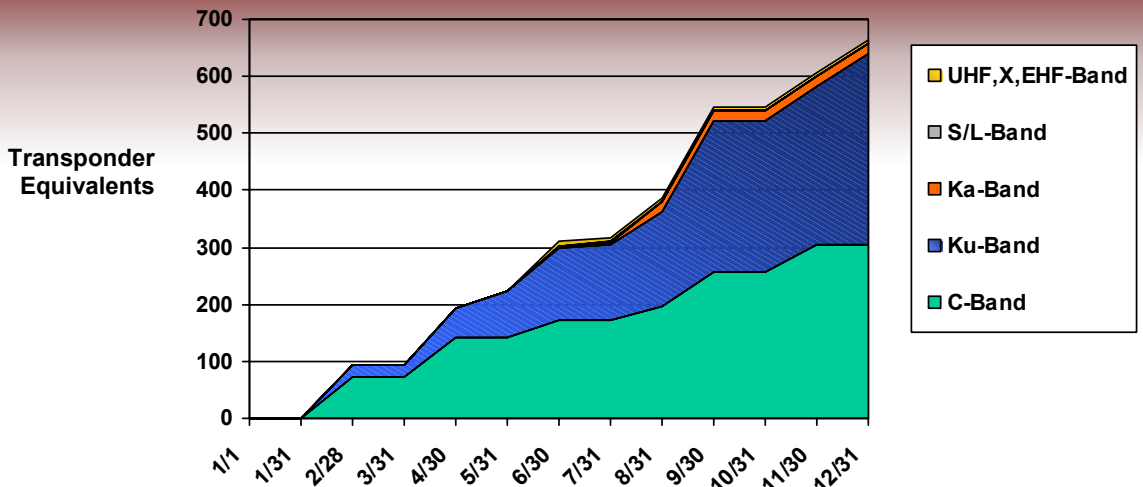
Futron Satellite Telecommunications Report

2003 Cumulative 36-MHz Transponder Equivalents Launched by Application



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Telephone	0	33	33	45	45	55.1	55.1	55.1	66.1	66.1	74.1	85.1
TV	0	15	15	43	61	108	113	162	220	220	242	268
Data	0	31	31	46	52	69	69	78	127	127	139	155
Radio	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Available	0	15	15	60	66	77.8	79.8	91.8	133.8	133.8	151.8	156.8
Totals	0	94	94	194	224	309.9	316.9	386.9	546.9	546.9	606.9	664.9

2003 Cumulative 36-MHz Transponder Equivalents Launched by Frequency



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C-Band	0	72	72	142	142	172	172	196	256	256	304	304
Ku-Band	0	22	22	52	82	126	133	165	265	265	277	335
Ka-Band	0	0	0	0	0	4	4	18	18	18	18	18
S/L-Band	0	0	0	0	0	0	.9	.9	.9	.9	.9	.9
UHF,X,EHF-Band	0	0	0	0	0	7	7	7	7	7	7	7
Totals	0	94	94	194	224	309.9	316.9	386.9	546.9	546.9	606.9	664.9

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