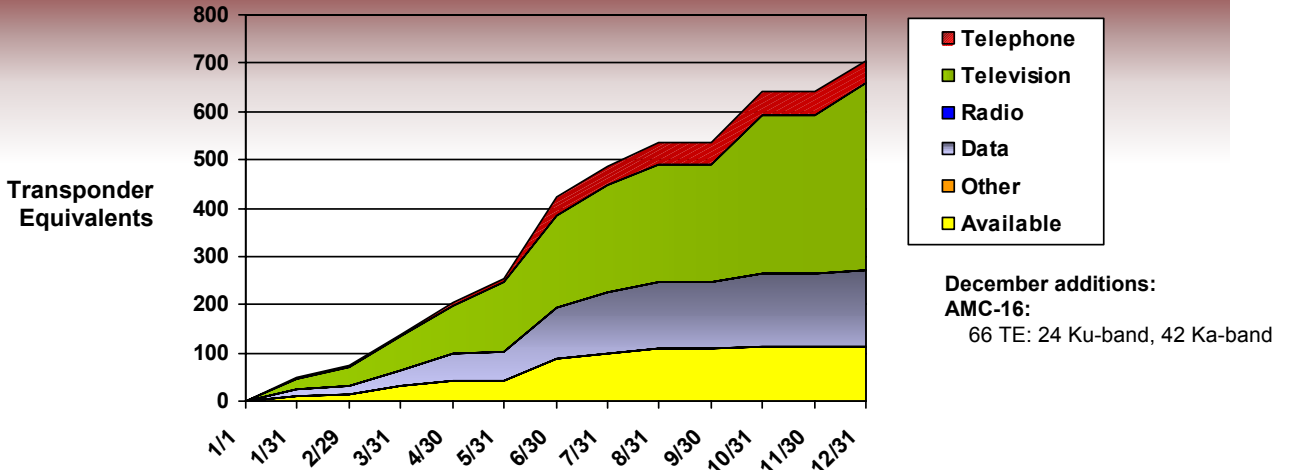




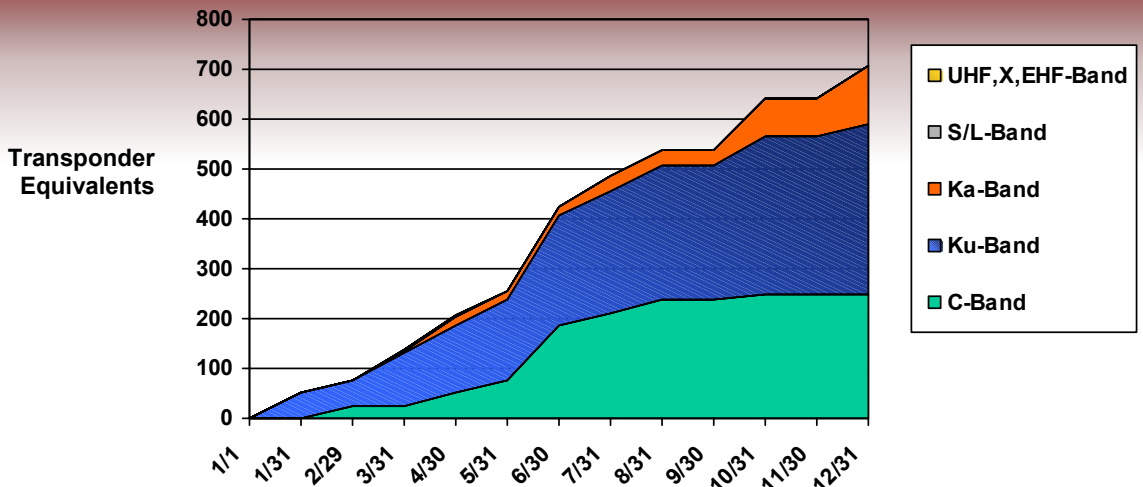
Satellite Telecommunications Report

2004 Cumulative 36-MHz Transponder Equivalents Launched by Application



2004 Cumulative 36-MHz Transponder Equivalents by Application												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Telephone	4	4	4	9	9	38	39	46	46	47.01	47.01	47.01
TV	21	40	68.4	99.4	144.4	192.4	220.4	244.4	244.4	330.4	330.4	389.4
Data	16	16	34	56	58	106	127	137	137	149	149	156
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	10	15	30	41	43	87	99	110	110	114	114	114
Totals	51	75	136.4	205.4	254.4	423.4	485.4	537.4	537.4	640.41	640.41	706.41

2004 Cumulative 36-MHz Transponder Equivalents Launched by Frequency



2004 Cumulative 36-MHz Transponder Equivalents by Frequency												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C-Band	0	24	24	53	77	186	210	238	238	248	248	248
Ku-Band	51	51	105.7	134.7	159.7	219.7	243.7	267.7	267.7	318.7	318.7	342.7
Ka-Band	0	0	6	17	17	17	31	31	31	73	73	115
S/L-Band	0	0	.7	.7	.7	.7	.7	.7	.7	.71	.71	.71
UHF,X,EHF-Band	0	0	0	0	0	0	0	0	0	0	0	0
Totals	51	75	136.4	205.4	254.4	423.4	485.4	537.4	537.4	640.41	640.41	706.41

For more information contact:

Eileen McGowan, Senior Analyst, Space & Telecommunications Division
 Futron Corporation • 7315 Wisconsin Avenue, Suite 900W • Bethesda, MD 20814
 301-347-3431 • emcgowan@futron.com