

Features	Timation	621B
Orbits	Mid altitude circular 55 degree inclination 8 hour preferred 12 hour simulated	one geosynchronous 3 or 4 high inclined (eggbeater) 3 or 4 such regional constellations
Number of satellites	27	20
Signal	Side Tone Ranging and Spread Spectrur	Spread Spectrum
Clocks on satellites	Yes	No - repeater system Clocks in upgrade
Ground stations	US or secure territories	Same region as constellation

Exhibit 1

GPS Test (Block 1)	GPS Operational (Block 2)
Mid altitude circular 62 to 65 degree inclination 12 hour	Mid altitude circular 55 degree inclination 12 hour
24 reduced to 18 in 1979	24 initially now 31 in use
Spread Spectrum	Spread Spectrum
Yes	Yes
US or secure territories	US or secure territories Relaxed with end of cold war