LINK BUDGET CALCULATOR

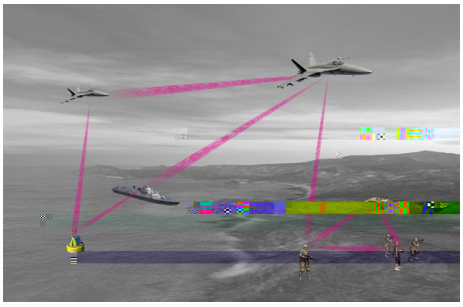
Versatile Propagation Analysis Enhances Network Design

[illegible]

KEY FEATURES

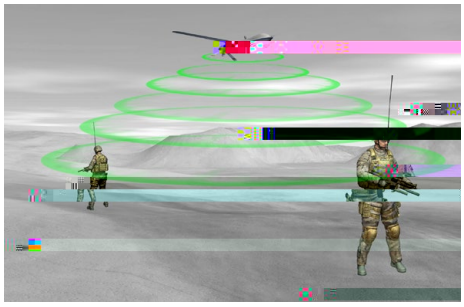
Flexible data link parameter optimization to minimize potential operational risk

[illegible]



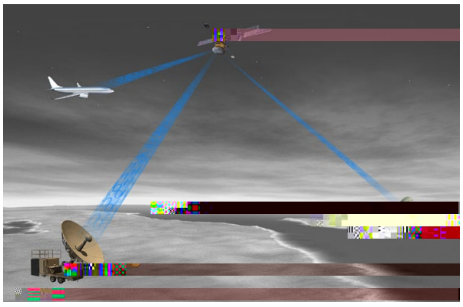
f a a r

- Sr rface- o-airborne, m l i- ier links
- E ensi e for ard error correc ion and m od la ion op ions
- Comm nica ions, ISR, and enhancemen of EW-based calc la ions
- LOS and BLOS reachback
- Eb/No based
- UHF o V-Band (pa h loss model dependen)



A a f a a r

- FM/AM radios
- VHF/HF s s ems
- Calc la es SNR a ailable
- E ensi e ransmission pa h aria ion op ions
- Allo s for ei her Noise Fig re or G/T models



A r

- Sr rface/airborne- o-sa elli e
- GSO, MEO and LEO cons ella ions
- Sim l aneo s assessmen of plink and do nlink pa hs
- Three sa elli e models a ailable
- L-band hr gh lo er Q-band

A E A

A h dimen ar nders anding of he basis for link b dge calc la ions is ass med.

The ool pro ides es ima es d e o he po en ial ariabili of he en ironmen and RF eq ipmen .

The Link B dge Calc la or in egra ed models are e a a ed pe iodicall for rele an ili and o keep hem c rren , hich res l s in reliable predic abili for mos link propaga ion en ironmen s.

The Calc la or comes i h an in egra ed Opera or's Man al o pro ide ac i a ion ins c ions and selec ed de ails of parame ers and heir in ended se. The ool is capable of impor ing and e por ing da a.

E A

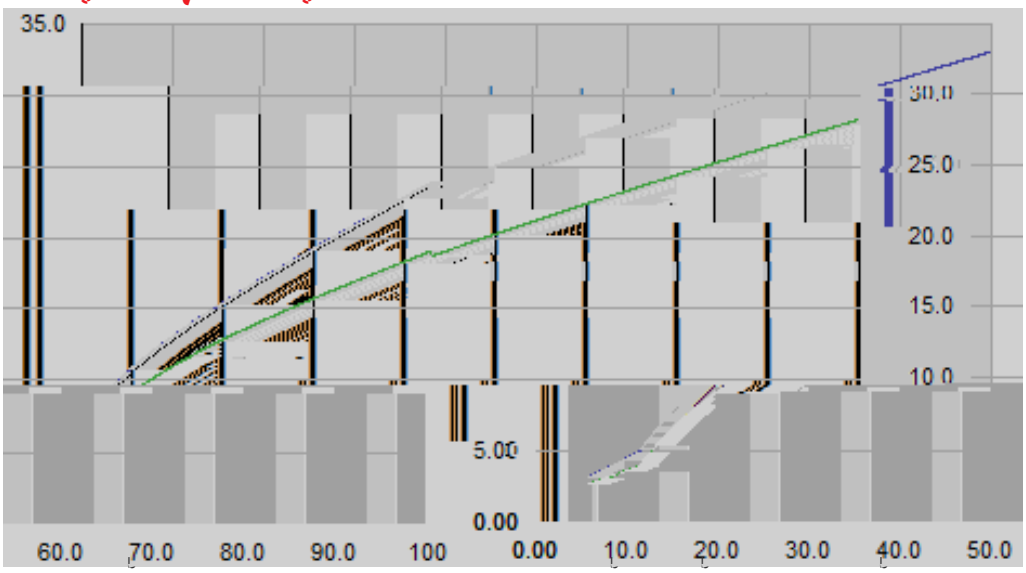
- Windo s XP, 7, 10

A A

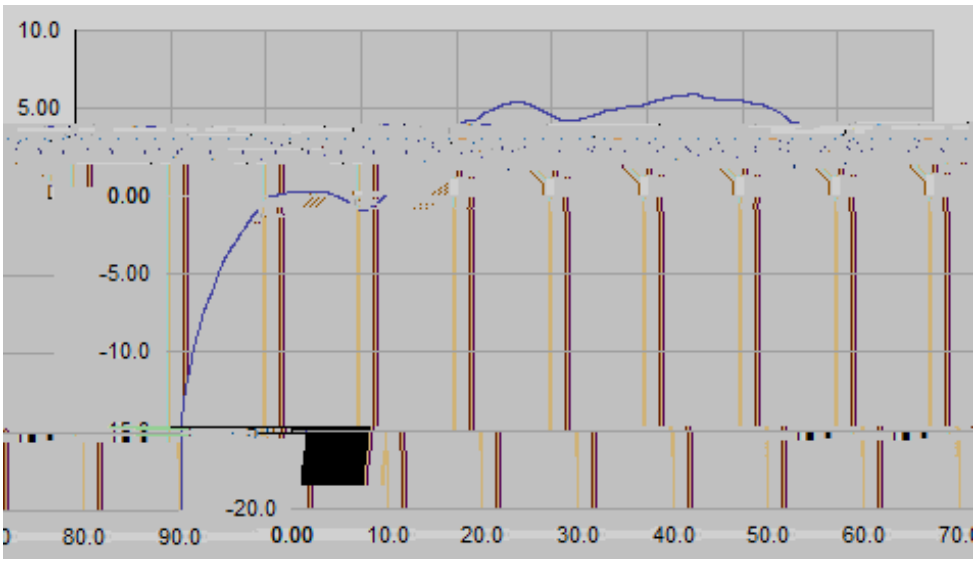
- Lap ops and desk ops

f a a l r ar a r , i f a r a l a a .

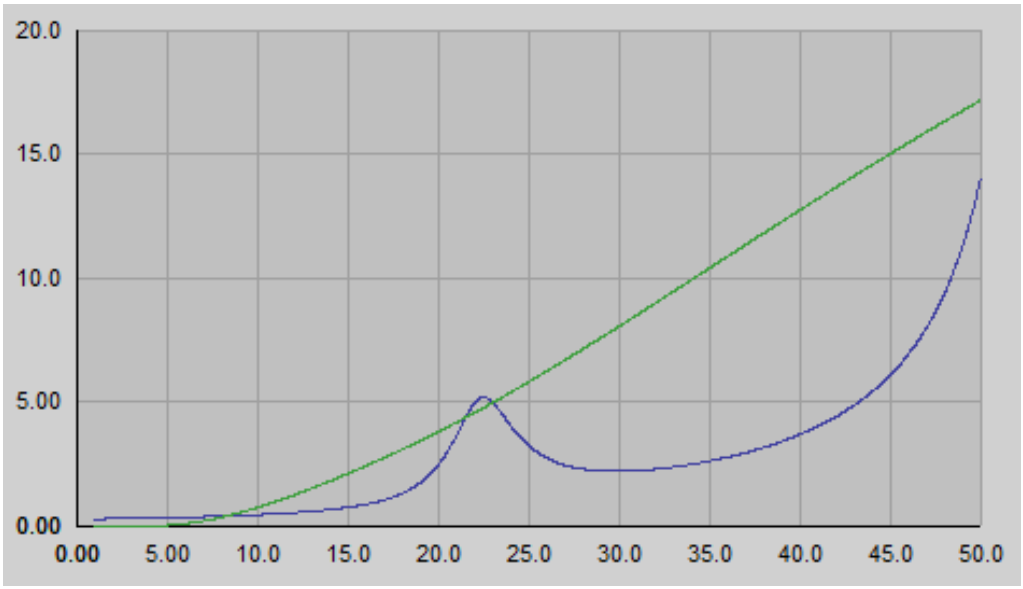
- B il -in ac i a ion ke nc ion
- L3Harris offers link b dge anal sis as a ser ice. Call for de ails.
-



Rain RF A en a ion (green line) and To al A mospheric RF A en a ion (b e line) in dB as a f nc ion of Range



An enna Gain s. Ele a ion Angle



Rain (green) and Gaseo s (b e) A en a ion s. Freq enc