Opening Remarks for:
“Spectrum issues - a place where competitors become colleagues?”

Christopher J. Hegarty
2 March 2011
The FCC should make 500 MHz newly available for broadband use within the next 10 years, of which 300 MHz between 225 MHz and 3.7 GHz should be made newly available for mobile use within five years.

The FCC should accelerate terrestrial deployment in 90 megahertz of Mobile Satellite Spectrum (MSS).
June 10, 2010 – Directs the Executive Branch to work with FCC towards making 500 MHz available for wireless broadband.

Feb 10, 2011 – Reiterates 500 MHz commitment and details plans for $27.8B, estimated to be raised through auctions.
LightSquared

- Formed by March 2010 Harbinger acquisition of SkyTerra
  - Mobile satellite service (MSS) licensee in the 1525-1559 MHz/1626.5-1660.5 MHz band
  - Authorized in 2004 to operate ancillary terrestrial component (ATC) for dual-mode MSS/ATC devices
  - LightSquared’s goal is to build out a nationwide 4G ATC network (to cover 260M in U.S. by end 2015)
- Nov 18, 2010 – Request submitted to FCC for modification of its ATC authority
- Jan 26, 2011 – FCC Order & Authorization
  - Granted conditional waiver (ATC-only handsets)
  - Requires addressing GPS concerns; final report to be submitted by June 15
Illustration of Concerns with LightSquared

Situation before LightSquared

- Low power (on Earth) satcom emissions
- GLONASS

Situation with LightSquared

- Up to 15 kW base station emissions
- GPS receiver filter response
- GLONASS