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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

RIYADH (AFFILIATE)

April 12, 2002

**VIA HAND DELIVERY**

Mr. William F. Caton  
Acting Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

EX PARTE OR LATE FILED

**Re: *Notice of Ex Parte Presentation***  
**ET Docket No. 98-206 *Compass Systems, Inc. DBS application; Northpoint Petition for Rulemaking (RM-9245); Skybridge Petition for Rulemaking (RM-9147); Applications of Broadwave USA et al., PDC Broadband Corporation, and Satellite Receivers, Ltd. to provide a fixed service in the 12.2-12.7 GHz Band; Requests of Broadwave USA, et al. (DA 99-494), PDC Broadband Corporation (DA 00-1841), and Satellite Receivers, Ltd. (DA 00-2134) for Waiver of Part 101 Rules***

Dear Mr. Caton:

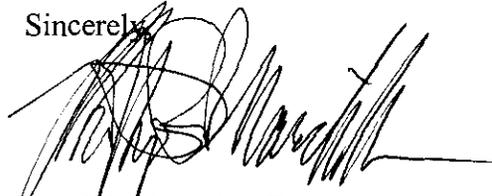
On April 11, 2002, Antoinette Cook Bush and Sophia Collier of Compass Systems, Inc. ("Compass") met with Geraldine Matisse and Julius P. Knapp of the Office of Engineering and Technology. Ms. Bush and Ms. Collier discussed with Ms. Matisse and Mr. Knapp the information contained in the attached presentation.

Pursuant to sections 1.1206(b)(1) and 1.1206(b)(2) of the Commission's rules, we are filing twelve copies of this notice of ex parte presentation with the Office of the Secretary. Please associate two copies of this notice with each of the following proceedings: RM-9245, RM-9147, DA 99-494, DA 00-1841, DA 00-2134, and the proceeding to review the Compass DBS application. We have electronically submitted a copy of this notice in ET Docket No. 98-206.

No. of Copies rec'd 0/11  
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Please contact the undersigned with any questions regarding this matter.

Sincerely,



Phil Marchesiello, Esq.  
*Counsel for Compass Systems, Inc.*

Attachment

## **Northpoint Technology**

### **An Integrated Satellite-Terrestrial System**

- Northpoint's next generation technology integrates the best of satellite and terrestrial systems to create the ultimate in spectrum efficiency
- Local programming and broadband via a terrestrial network
  - Local channels and other local multi-channel content
  - High speed Internet access – 2 Mbps down; 512 kbps upstream
- National programming via satellite
  - Will provide 300+ channels of national programming
- Basic Core Offering
  - 96 video channels (including all local stations) and high speed Internet access for \$39/month –available in all 210 markets.
- Next Generation Set Top Boxes
  - Modular set top boxes will allow outside innovators to develop an array of new consumer entertainment and information services.

## **Finally a Home for the Orphaned U.S. Western DBS Slots**

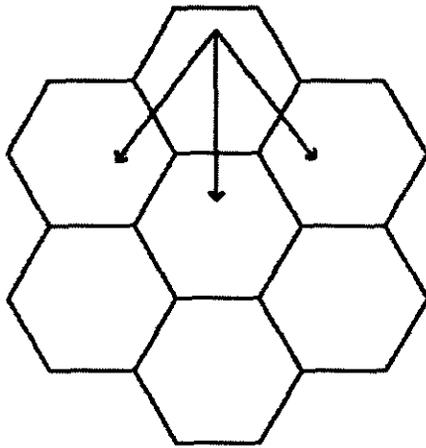
- Bringing slots 157 and 166 into service benefits the United States and consumers.
  - Currently 3 of the 8 BSS slots are not used
  - Slot at 166: Two licensees failed to deploy and surrendered their licenses.
  - Slot at 157: Hughes failed to deploy and surrendered license.
- The Compass Systems' plan remedies the deficiencies of the far Western locations of the two orbital positions by:
  - Supplementing with Northpoint terrestrial services
  - Providing international service to the Pacific region, Canada and Mexico
- Service to Hawaii and Alaska will be provided from slot at 166

## An Integrated Terrestrial-Satellite Network is More Spectrum Efficient than a Terrestrial Only System

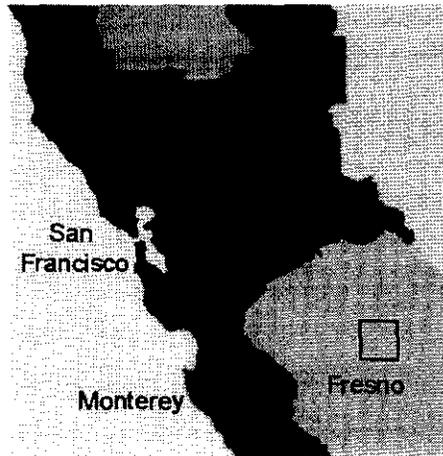
	Reuse potential	Reuse Factor
Single market video	Each television market	210 X
Internet downstream	Each tower	14,000 X
Combined improvement	(half and half allocation)	7105 X

- Every MHz of “national” video that can be placed on a satellite can be reused over 7000 times on the ground.
- Improved spectrum efficiency enables greater diversity of content and internet download speeds.

## How a Terrestrial Platform Reuses Spectrum



A Northpoint terrestrial network operates as a system of cells.



Cells can function as "repeaters," creating precisely shaped service areas based on television market boundaries.

This allows transmission of local channels or other "single market" content.

Frequencies are reused in each market area.



Cells can also provide unique content only to users within the footprint of a single cell.

Internet downloads and other specialized data can be provided this way.

Frequencies are reused in every cell.

## **Compass Terrestrial Platform Should be Authorized as a “Non-conforming” Use of DBS Spectrum**

- DBS licensees are permitted to “make unrestricted use of [their assigned DBS] spectrum” assignments to provide non-conforming services prior to launching and commencing operation of their DBS systems.
  - The FCC has sought comment on whether to expand the non-conforming use policy for DBS licensees in the western portion of the orbital arc (the location of the licenses requested by Compass).
  - The Commission has explicitly recognized that DBS operators must be allowed to engage in non-conforming uses in order to meet the high up-front costs of launching a DBS system.

## **Grant of Compass Application is Consistent with Statute, Policy and Precedent for Flexible Use**

- Grant of Compass application:
  - Promotes spectrum efficiency (highest and best use of spectrum) and other public interest goals
  - Satisfies the specific flexible use criteria of the Communications Act
  - Consistent with the Commission's stated flexible use policies
    - Increased spectrum efficiencies by encouraging the introduction of new, more efficient technologies

## **Grant of Compass Application is Consistent with Current FCC Proposals and Actions**

- SDARS licensees: satellite radio equivalent of DBS operating terrestrial networks pursuant to Special Temporary Authority
- Ancillary terrestrial use of L-band, 2 GHz, and Big LEO: considering allowing terrestrial use by satellite licensees
- Flexible use permitted for following:
  - **ITFS and MMDS licensees:** mobile services using their fixed service spectrum assignments
  - **Television broadcasters:** digital spectrum assignments to provide other wireless services other than traditional broadcast services
  - **CMRS licensees:** to stimulate competition and encourage innovation
  - **WCS licensees:** authorized to provide any service for which their frequency bands are allocated to encourage deployment of new services and products