

Wireless Roundup

Spectrum Management 2009

NSMA

May 19, 2009

Presented by David Meyer



Wireless Activity & Topics



- **AWS Clearinghouses' Reports**
- **3650 – 3700 MHz Filings/Deployments**
- **Part 25/74/101 Coordination Activity**
- **NSMA Working Group 3**
- **Conference Topics**

AWS Clearinghouses' Rpts (ET No 00-258)

CTIA Spectrum Clearinghouse

	07/1/07 -12/31/07	Lifetime
Links	219	245
Aggregate Amt	\$37.8 M	\$44.9 M
Avg \$/Link	\$173 K	\$183 K

PCIA AWS Clearinghouse

	07/1/07 -12/31/07	Lifetime
Links	4	4
Aggregate Amt	\$1.1 M	\$1.1 M
Avg \$/Link	\$275 K	\$275 K

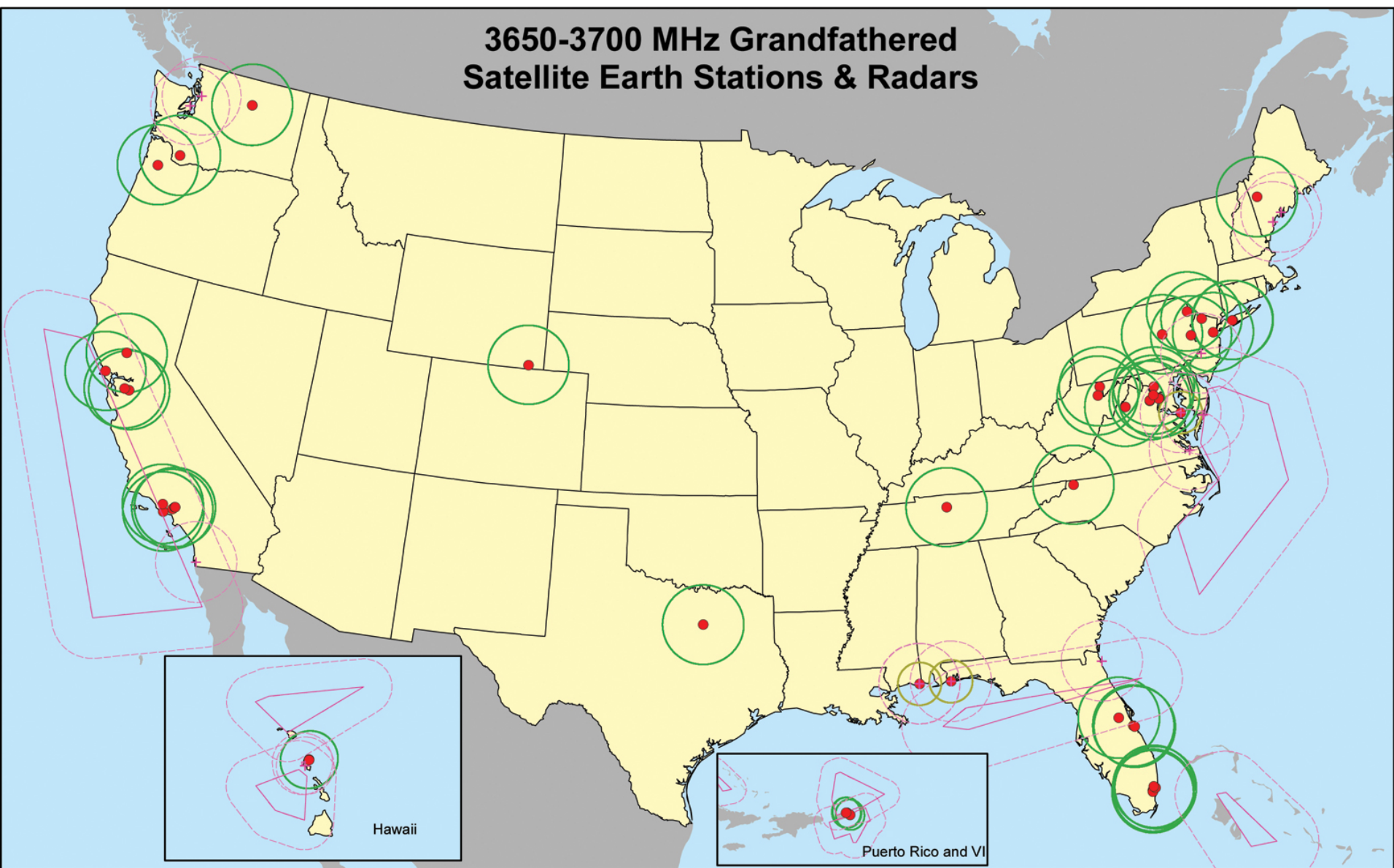
CTIA Spectrum Clearinghouse

	07/1/08 -12/31/08	Lifetime
Links	201	727
Aggregate Amt	\$39.2 M	\$150 M
Avg \$/Link	\$195 K	\$207 K

PCIA AWS Clearinghouse

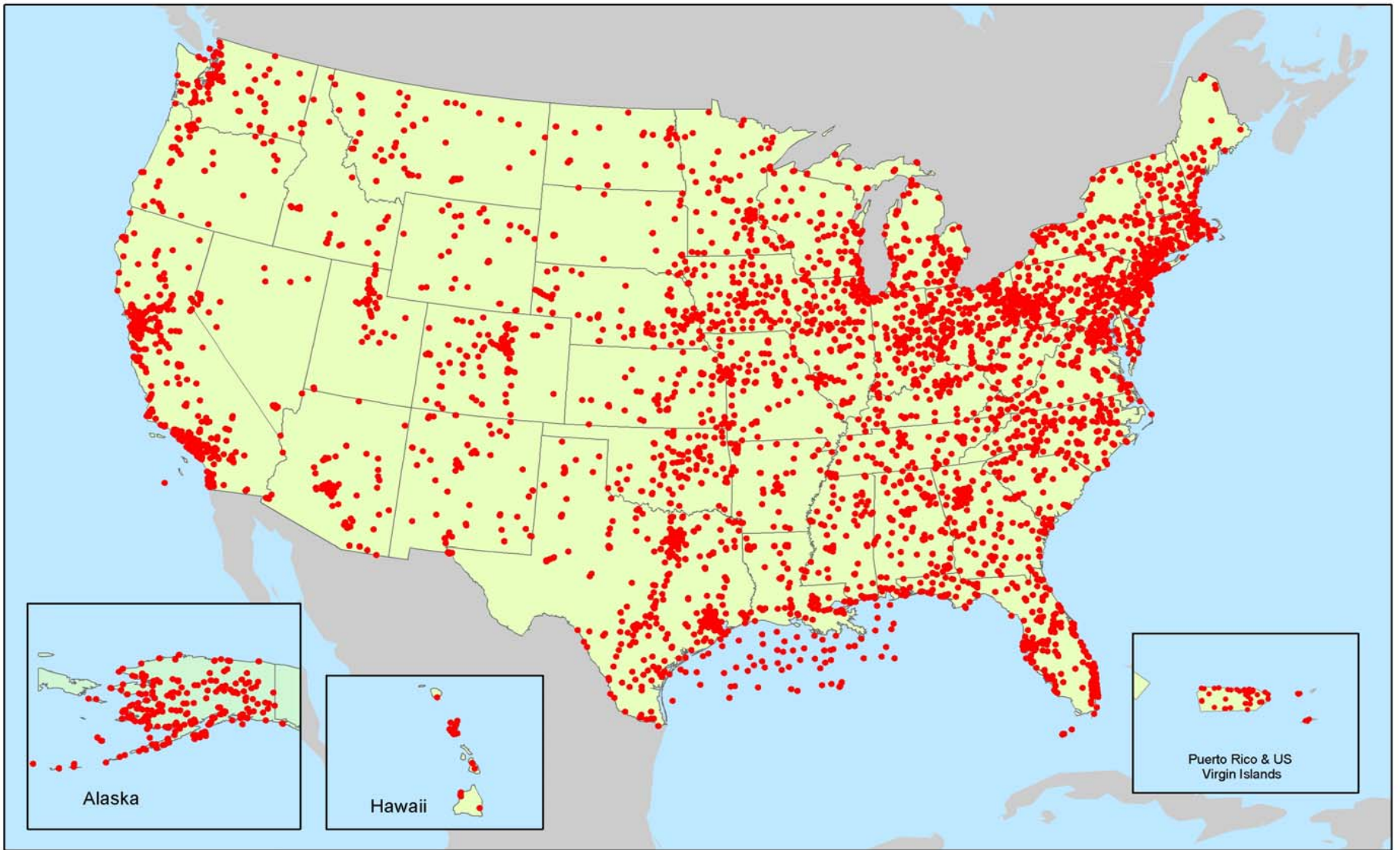
	07/1/08 -12/31/08	Lifetime
Links	27	38
Aggregate Amt	\$1.9 M	\$4.5 M
Avg \$/Link	\$69.7 K	\$120 K

3650-3700 MHz Grandfathered Satellite Earth Stations & Radars



Legend

- FSS Earth Stations
- ✚ Radar Locations
- 80-KM Radius
- 150-KM Radius
- OPAREA Boundaries
- 150 km Contours



4 GHz Earth Station Sites



3650 – 3700 Radio Service

3650-3700 Licenses (Nov'07 – Apr'08)	Total FCC Registrations	
	Nationwide	Site
Totals	257	173
AirTap Communications, LLC	1	67
Omega Communications Corporation	1	40
Wx America, Inc.	2	27
One Ring Networks, Inc.	1	14
PDQLink	1	9
Azulstar, Inc.	1	6
Zilis, Steven G	1	3
Chevron USA Inc.	1	2
Le-Ru Telephone Co.	1	2
Sacred Wind Communications, Inc.	1	2
Trans Metro Broadband, Inc.	1	1

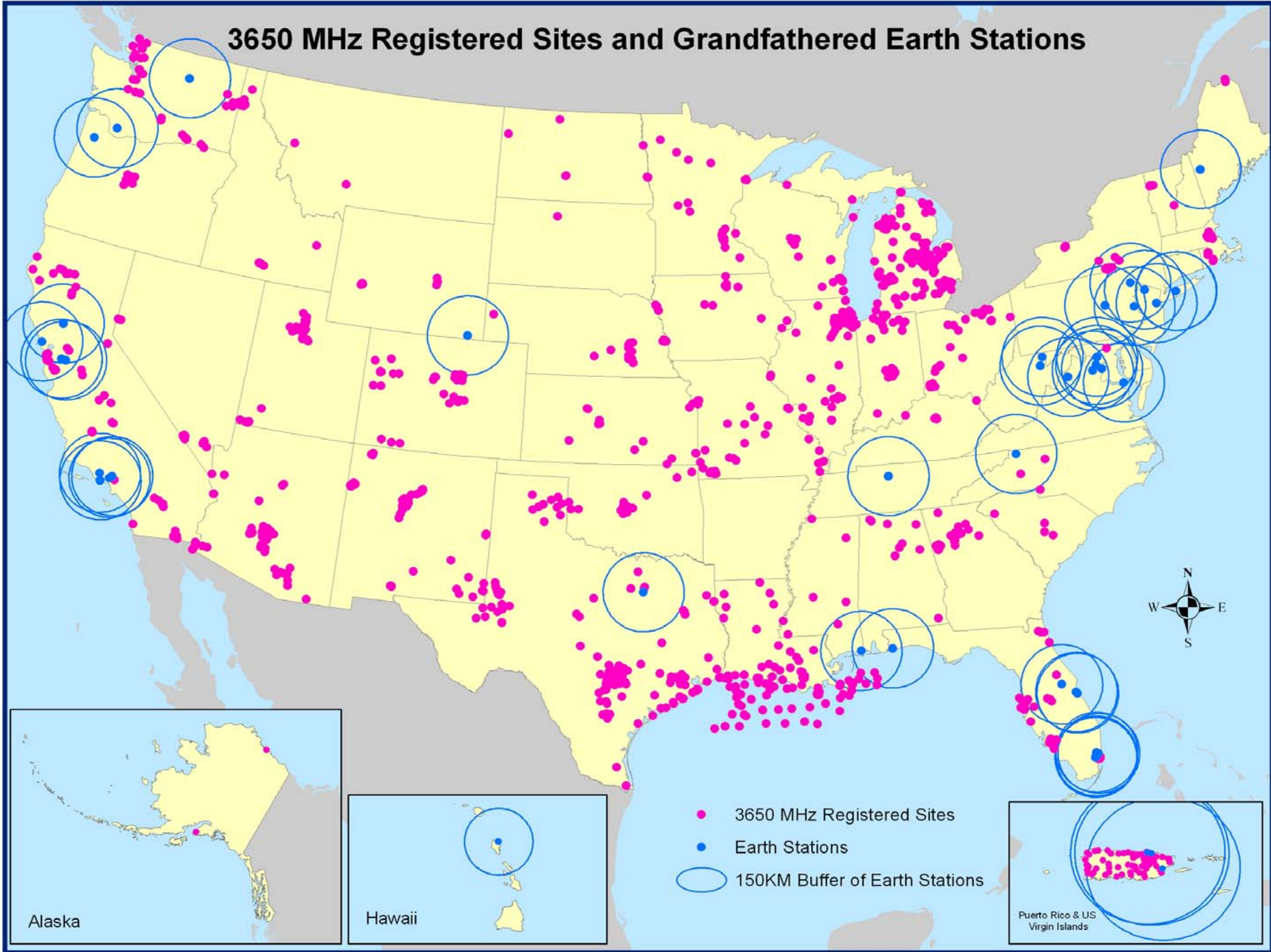


3650 – 3700 Radio Service

3650-3700 Licenses (Nov'07 – Apr'09)	Total FCC Registrations	
	Nationwide	Site
Totals	845	1388
Azulstar, Inc.	1	195
Neptuno Media	1	90
SpeedNet, LLC	1	86
Sacred Wind Communications, Inc.	1	71
AirTap Communications, LLC	1	67
Enbridge Energy Company, Inc.	1	61
Pooley, Allen L	1	50
IDT Spectrum, LLC	1	45
Centerpoint Energy Inc	1	35
Chevron USA Inc.	1	35
Exxon Communications Corporation	1	35



3650 MHz Registered Sites and Grandfathered Earth Stations



Alaska

Hawaii

Puerto Rico & US
Virgin Islands

Coordination Activity

Type	May'06–Apr'07	May'07–Apr'08	May'08–Apr'09
Part 101 Microwave Paths	12,881	16,235	14,718
Part 101 – Multiple Address (MAS)	844	717	849
Part 74 Microwave Paths – Auxiliary Broadcast	1,763	1,680	1,726
Part 25 - Earth Station – Temporaries	1,075	1,211	1,244
Part 25 - Earth Station – Permanent	426	357	267
Total	16,989	20,200	18,804

NSMA Objectives – www.nsma.org

Develop technical and procedural recommendations for coordination of wireless telecommunications systems and services

Provide a linkage between government regulations and industry practice by developing recommendations that streamline and standardize procedures used by the frequency coordination community.

Proactively advise regulatory bodies on matters affecting radio frequency spectrum policy pertaining to terrestrial microwave, satellite systems, and emerging technology radio services

Conference Topics – Tuesday May 19th

- **TV White Space – Panel - 9:10 AM**
Mitchell Lazarus, Esq – Fletcher Heald & Hildreth PLC, Moderator
Ed Thomas – Harris Wiltshire & Grannis LLP
Bruce Franca – Association for Maximum Service Television
Mark Brunner – Shure Inc.
Joe Sandri – Fibertower Corporation
- **Adaptive Modulation Panel - 10:45 AM**
Dr. Tom Willis – AT&T, Moderator
Scott Nelson – Alcatel-Lucent
Scott Sweetland – Ceragon Networks, Inc.
Peter Staxen – Ericsson
Jim Wolfson – X-DOT Corporation
- **800 MHz Rebanding - 1:30 PM**
Robert Kelly, Esq. – General Council of the 800 MHz Transition Administrator

Conference Topics – Tuesday May 19th

- **700 MHz Transition and Interference Issues - 2:00 PM**
Sean Haynberg – VCOMM, LLC
- **Interference Protection from ESV's
into Terrestrial Microwave - 2:30 PM**
Robert Hanson - MTN
- **Industry Association Roundtable - 3:30 PM**
Carlos Nalda, Esq – Squire, Sanders & Dempsey, Moderator
Mitchell Lazarus, Esq - Fixed Wireless Communications Coalition
Jill Lyon, Esq - Utilities Telecom Council
Donna Bethea-Murphy, Esq - Satellite Industry Association
Paul Sinderbrand - Wireless Communications Association Intl
Andrew Kreig, Esq – Business and Political Perspective

Conference Topics – Wednesday May 20th

- **NSMA Working Group 3 Session** - **8:30 AM**
Larrie Sutliff – AT&T Mobility, Chairman
- **Recent Spectrum Developments** - **10:15 AM**
Bryan Tramont, Esq – Wilkinson, Barker, Knauer
- **WRC 11 Preview** - **11:00 AM**
Dr. Andrew Clegg – National Science Foundation, Moderator
Dr. Darlene Drazenovich – NTIA
Charles Breig – FCC
Franz Zichy – State Department
- **GVSAT and SUIRG** - **1:15 PM**
David Hartshorn – Global VSAT Forum
Robert Ames - SUIRG

Conference Topics – Wednesday May 20th

- **RF Safety Issues** - **1:45 PM**
Bill Johnson - Narda

- **Defining the Harm in Harmful Interference** - **2:15 PM**
Mitchell Lazarus, Esq – Fletcher Heald & Hildreth PLC

- **NSMA Board Meeting** - **2:45 PM**

