



Spectrum Management 2011

Wireless Roundup

Presented by David Meyer
May 24, 2011



- Part 25 / 74 / 101 Coordination Activity
- AWS Clearinghouses' Reports
- TV White Space
- 3650 – 3700 MHz Filings/Deployments
- Satellite News
- NSMA Working Group #3
- Conference Topics

Coordination Activity

Type	May07–Apr08	May08–Apr09	May09-Apr10	May10-Apr11
Part 101–Mic Paths	16,235	14,718	34,140 + 132 %	25,378 - 25.7 %
Part 101 – (MAS)	717	849	507	450
Part 74 Mic Paths – CARs/Aux Brdcst	1,680	1,726	1,389	1,094
Part 25 - ES Temporaries	1,211	1,244	1,120	1,299
Part 25 – ES Permanent	357	267	222	293
Total	20,200	18,804 - 6.9 %	37,378 + 98.8 %	28,514 - 23.7 %

- FCC has “conditionally” designated nine TV White Space Database Administrators:
 - Airity
 - Comsearch
 - Frequency Finder Inc.
 - Google Inc.,
 - LS Telcom
 - Key Bridge Global LLC
 - Neustar Inc.
 - Spectrum Bridge Inc.
 - Telcordia Technologies,
- Conditions include:
 - Must attend all FCC-sponsored workshops (3/1/11, 4/20/11, 5/25/11)
 - Must pass a set of certification criteria
 - Must agree to not “engage in discriminatory or anti-competitive practices or any practices that may compromise the privacy of users”

- Certification criteria generally includes:
 - Security
 - Data exchange with other DBAs
 - Calculation consistency and accuracy
- Each DBA will have a 45-day period to achieve Certification
- Longer period may be granted as needed
- Several Petitions for Reconsideration filed – two key issues
 - Emission mask
 - Fixed device HAAT limitation of 250 meters
- Recon Petitions still pending

- DBAs collaborating on:
 - Data exchange
 - Calculations
- Several system trials under way
 - Rural and Native American Broadband
 - Smart Grid
 - Remote Healthcare
 - Utility Telemetry and Monitoring
- Equipment vendors lining up for FCC certification
- International efforts beginning
 - Industry Canada
 - Ofcom (UK)

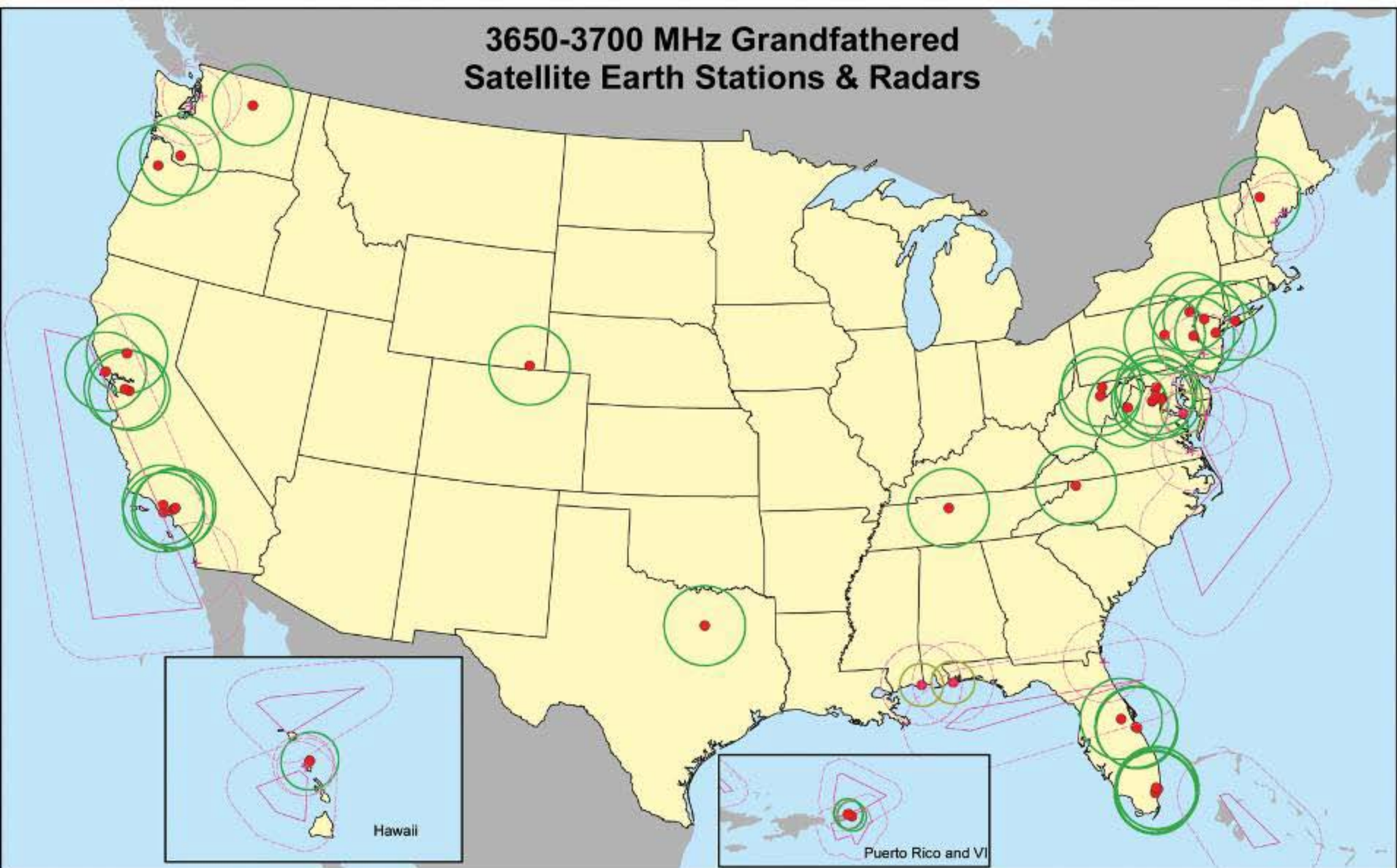
CTIA Spectrum Clearinghouse

	07/10 -12/10	Lifetime
Links	199	1222
Aggregate Amt	\$35.8 M	\$237.3 M
Avg \$/Link	\$180 K	\$194 K
Cost Sharing Opps	\$4.1 M	

PCIA AWS Clearinghouse

	01/10 -12/10	Lifetime
Links	0	11
Aggregate Amt	\$0.0 M	\$2.81 M
Avg \$/Link	\$0.0 K	\$255 K

3650-3700 MHz Grandfathered Satellite Earth Stations & Radars



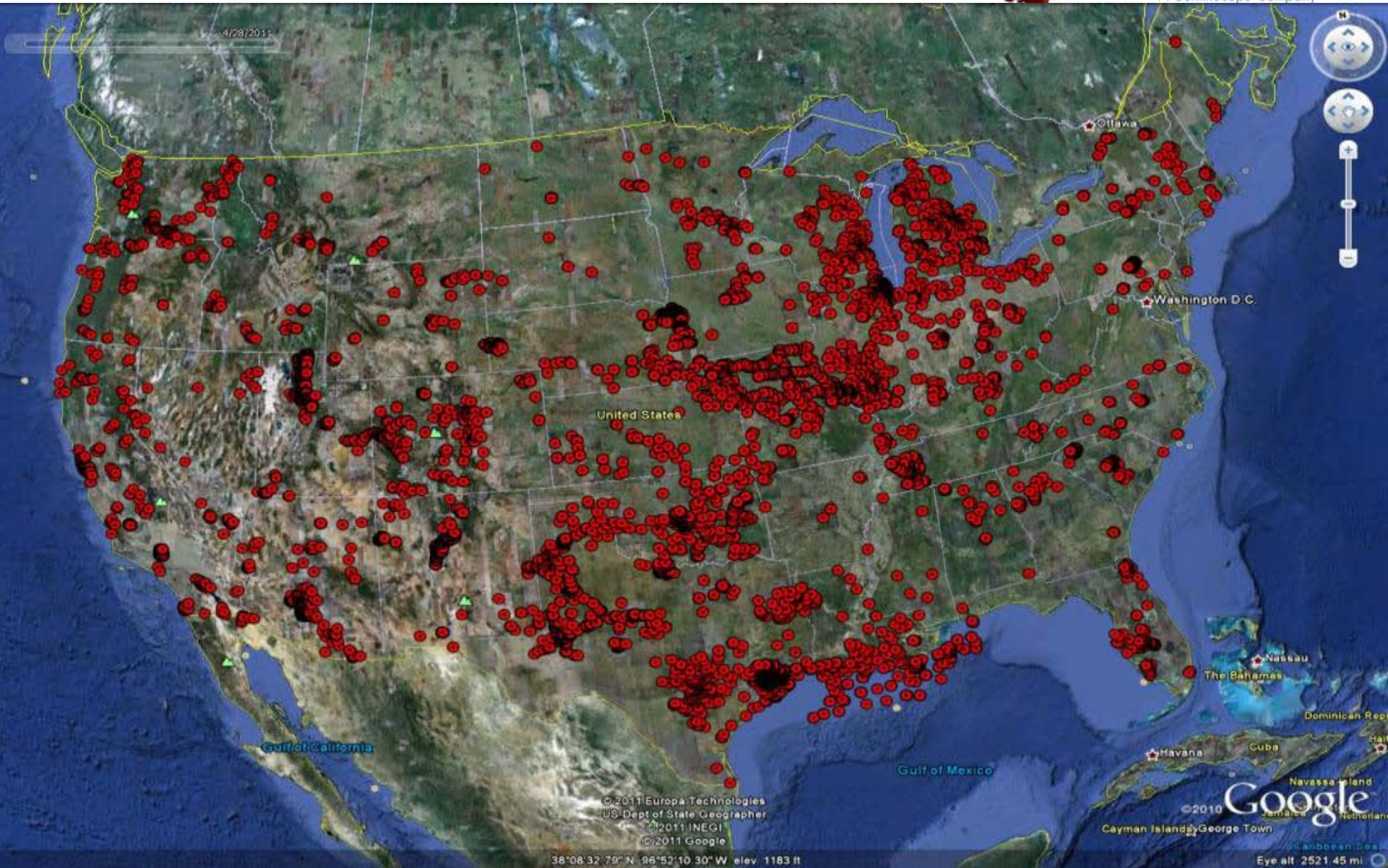
Legend

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

3650-3700 Licenses (Nov'07 – Apr'10)	Total FCC Registrations	
	Nationwide	Site
Totals	1309	5257
Centerpoint Energy Inc	1	1641
SWWG, LLC	1	514
N-1 Communications, LLC	1	265
Aventure Communication Tech	1	262
Azulstar, Inc.	1	232
Neptuno Media	1	116
Speednet, LLC	1	109
The Blue Zone West, LLC	1	102
Trex Broadband	1	92
Chevron USA Inc.	1	89
Granite Wireless, Inc.	1	86

3650 – 3700 Radio Service

3650-3700 Licenses (Nov'07 – Apr'11)	Total FCC Registrations	
	Nationwide	Site
Totals	1749	12271
CENTERPOINT ENERGY INC	1	4264
Digis LLC	1	744
Chevron USA Inc.	1	620
PPL Electric Utilities Corp.	1	559
SWWG, LLC	1	516
PTA-FLA, Inc.	1	365
Aventure Communication Technology LLC	1	352
N-1 Communications, LLC	1	265
Azulstar, Inc.	1	232
Neptuno Media	2	143
WiLine Networks Inc.	1	137
Huntel Cablevision dba American Broadband	1	132



April 30, 2011

- LightSquared receives a conditional waiver of the Ancillary Terrestrial Component (ATC) “integrated service” rule.
- FCC Allocation and Designation of Spectrum for Fixed-Satellite Services in the 37.5-38.5 GHz, 40.5-41.5 GHz and 48.2-50.2 GHz Frequency Bands – The “V-band”
- FCC Denies petitions for reconsideration filed by Telesat Canada challenging certain aspects of the processing and technical rules adopted for the 17/24 GHz Broadcasting-Satellite Service

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

- **Key Note Address - Recent Spectrum Developments** - **9:15 AM**
Bryan Tramont, Esq – Wilkinson, Barker, Knauer, LLP

- **Are Two Spectrum Management Agencies Too Many?** - **10:00 AM**
Mitchell Lazarus, Fletcher Heald & Hildreth PLC

- **Fixed and Portable Services in the BAS Bands** - **11:00 AM**
**Joe Snelson, Vice President of Engineering Meredith Broadcasting,
Society of Broadcast Engineers**

- **The FCC Broadband Spectrum Agenda: A Progress Report - 1:15 PM**
Julius Knapp, Chief, Office of Engineering and Technology,
Federal Communications Commission
- **Lightsquared/GPS Interference Assessment - 2:00 PM**
Jeff Carlisle, Executive Vice President, Regulatory & Public Affairs,
Lightsquared
- **Spectrum Wiki - 2:45 PM**
Dr. Andrew Clegg, National Science Foundation
- **Leveraging Underutilized Spectrum Below 4 GHz - 3:15 PM**
Carleton (Mickey) Miller – Co-founder, President and CEO BLiNQ Networks
- **Advancement in Cellular Backhaul Technologies - 4:00 PM**
Hilik Shivek, VP Global Presales, Ceragon Networks



- **NSMA Working Group 3 Session** - **8:30 AM**
Larrie Sutliff – AT&T, Chairman WG3
- **Unleashing the Wireless Broadband Revolution:
The President’s Initiative to Repurpose 500 MHz** - **9:30 AM**
**Byron K. Barker, Chief, Strategic Planning Division,
Office of Spectrum Management, DoC/NTIA**
- **WRC-12 Update** - **10:30 AM**
Dr. Darlene Drazenovich, NTIA
- **Overview of New FCC.gov Website &
Insight into New Functionalities and Enhancements** - **11:15 AM**
Gray Brooks, New Media Team, FCC



Thank You for Your Time
Enjoy the 2011 Conference

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