Maximizing Spectrum Efficiency On Shared Channel Assignments

With EWA's New e-Advisory



Who We Are



Ila Dudley
Executive Vice President,
Spectrum Operations



Cecilia Hayes
Executive Director,
Spectrum Operations



Denisse Ibarra
Director,
Spectrum Operations



Background of New e-Advisory

- Originated from discussions in 2012-13 within Land Mobile Communications Council about Best Practices for Analog-Digital Frequency Coordinations
- Relevant for 150 MHz 512 MHz
- EWA's Goal: identify potential issues associated with sharing frequencies with different system use technologies, objectives, and operating practices



Background of New e-Advisory

- Arose from concerns about licensee transitions to more advanced technologies, from analog to digital
 - Boost awareness about fundamental system operational requirements
 - Improve post-licensing channel use expectations
- Applicable for both Public Safety and Industrial/Business
- e-Advisory was launched May 13, 2014



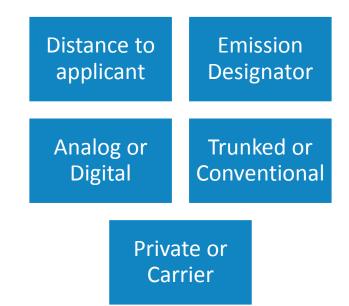
What Is The New e-Advisory?

- Standard email from EWA, sent following transmission of certified application to the FCC
- Identifies basic license parameters which trigger obligations per FCC rules
 - Emission Designator, Station Class, Radio Service
 - Applicable FCC Rules for Station Identification, Shared
 Spectrum, Channel Monitoring, Secondary Use
- Includes link to request Channel Sharing Report



Value of a Channel Sharing Report

- Provides critical details about licensee's shared spectrum environment
 - Incumbent operator: name and call sign
 - Incumbent system parameters:





Why Should I Care?

- Shared frequency use environments are now the norm, dependant upon:
 - Incumbent system loading
 - Distance
 - Network technologies and radio applications
- Achieving maximum spectrum efficiency requires knowledge of:
 - Analog systems sharing with digital systems, and vice versa
 - Voice systems sharing with secondary data systems, and vice versa
 - Trunked systems sharing with conventional systems
 - Private carrier systems sharing with private internal systems



Examples of e-Advisory and Sharing Report





e-Advisory Example.pdf





ChanShaRpt Example.pdf



Questions & Answers

• References:

- Fun facts: EnterpriseWireless.org/Resources/SpectrumEfficiency
- FCC Rules, Part 90: goo.gl/rPuqRV

