

FCC Spectrum Actions of Interest (1)

- 600 MHz Reverse Incentive Auction
 - The initial reverse auction process hit the spectrum clearing target of 126 MHz, but at a price of \$88B
 - The initial forward auction of that spectrum resulted in bids totaling \$23B
 - With funding shortfall, the auction moved to Stage 2 on Sept. 13th
 - The reverse auction is now being rerun, with a new clearing target of 114 MHz
 - Once complete, the forward auction will be repeated
- Spectrum Futures (5G) Order and Rulemaking
 - The Order detailed rules for licensing spectrum in the initial 5G bands
 - 27.5-28.35 (28) GHz, 38.6-40 (39) GHz, 37-38.6 (37) GHz, 64-71 GHz
 - Also addressed sharing issues with the 37 and 39 GHz bands, and multiple regulatory issues
 - The Rulemaking proposes additional rules and additional bands
 - Introduced additional bands to the mix, including 24, 32, 42, 47 50 and 70/80 GHz which could be used for fixed or mobile use
 - Posed additional questions about licensing, sharing and technical rules to be applied to the different proposed 5G bands

FCC Spectrum Actions of Interest (2)

- 700 MHz Public Safety Narrowband Order & Rulemaking
 - The Order addresses multiple issues in the band
 - Removes a recent requirement for CAP (Compliance Assessment Program) testing prior to equipment authorization
 - Clarifies the use of Air-to-Ground channels in the 700 MHz band
 - The Further Rulemaking poses more technical questions
 - Asks questions regarding the existing trunking rules
 - Seeks to define interoperability features
 - Requests comments on a Petition related to interoperability
- 800 MHz LMR spectrum Rulemaking
 - Proposes rules and a process for licensing the 800 MHz Expansion and Guard bands
 - Proposes to extend conditional license authority to coordinated license applicants bands above 470 MHz
 - Seeks to open up certain band edge frequencies for PLMR use

FCC Spectrum Actions of Interest (3)

- FCC Rulemaking to Address FirstNet Opt-Out
 - The Order addresses the timing and process for relocating incumbents from the 700 MHz PS broadband spectrum
 - The Rulemaking poses multiple questions related to FirstNet “Opt-Out” by states
 - Proposals for the process and evaluation criteria
- DISH Designating Spectrum for 3GPP Band Class 70
 - On June 1st, DISH notified the FCC it was planning to use AWS-4 spectrum for downlink operation
 - This will result in DISH using three blocks of spectrum, ASW-4 (2000-2020 MHz), H-Block (1995-2000 MHz) and unpaired AWS-3 (1695-1710 MHz) for Band Class 70
 - A 2013 FCC Waiver gave DISH this authority
 - Granted DISH flexibility to use the AWS-4 spectrum as uplink or downlink