

Over-the-Air DTV Transmission in NYC

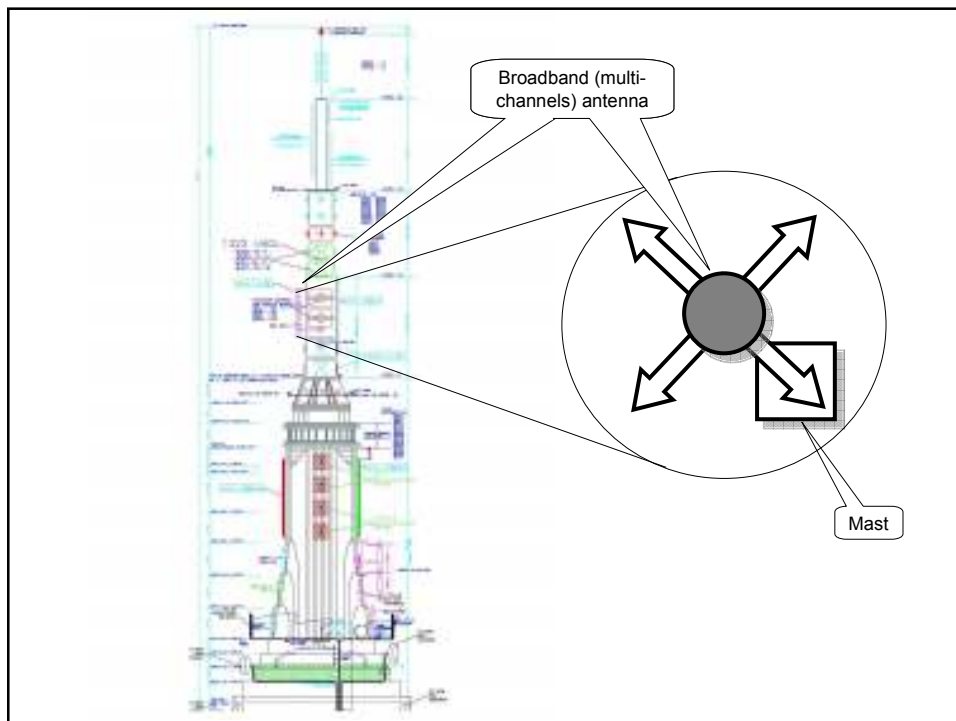
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Metropolitan Television Alliance, LLC

MTVA

- Created after loss of WTC facilities on 9/11
 - WCBS-TV (2) - CBS
 - WNBC-TV (4) - NBC Universal
 - WNYW-TV (5) - Fox
 - WABC-TV (7) - Disney
 - WWOR-TV (9) - Fox
 - WPIX-TV (11) - Tribune
 - WNET-TV (13) - PBS
 - WPXN-TV (31) - Ion Media
 - WXTV-TV (41) - Univision
 - WNJU-TV (47) - Telemundo (NBC Universal)
 - WFUT-TV (68) - Telefutera (Univision)

MTVA Agenda

- Manages design, development and deployment of permanent DTV facilities
- In negotiations with PANYNJ for facilities on Freedom Tower
- Upgrading and enhancing performance from ESB
- Managing \$30 million grant from NTIA to deploy distributed transmission system

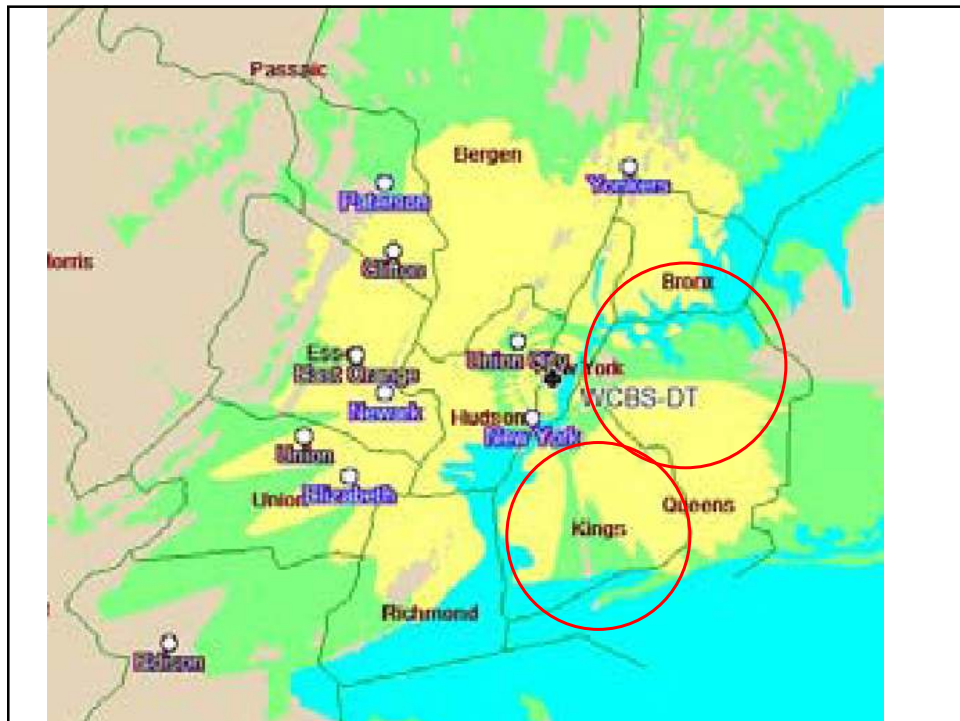
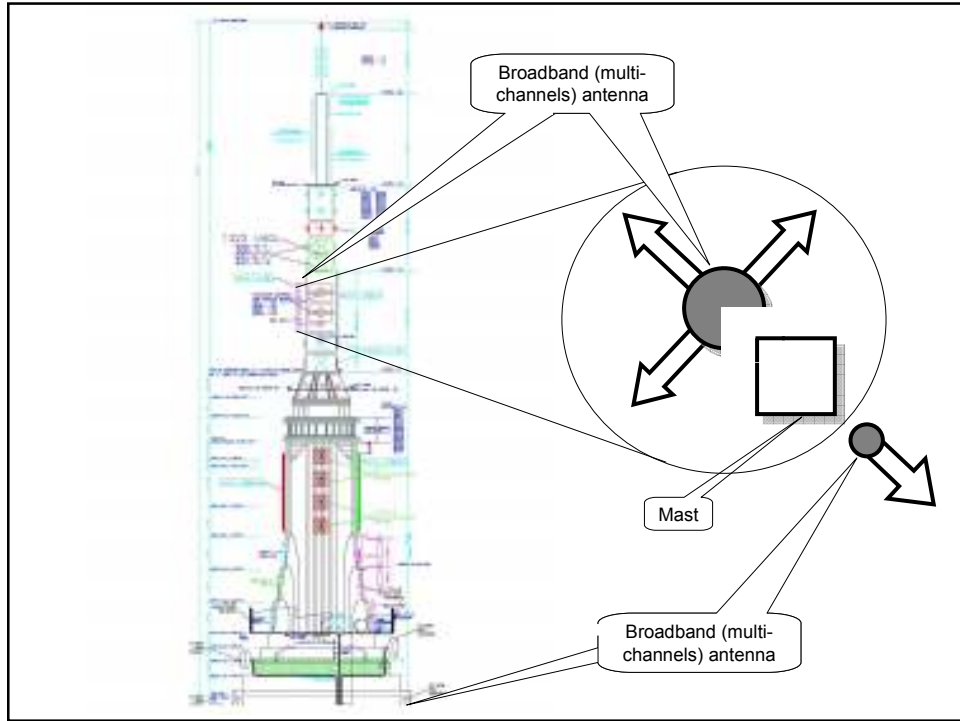


100 dBu contour

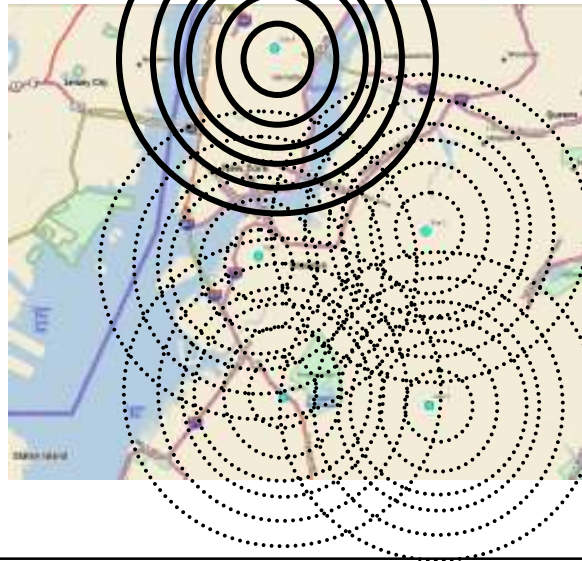


Nulls created by mast shadowing





Distributed Transmission System



Distributed Transmission System

- Works “on-channel”
 - No need for additional channel allocations
 - Permits station to optimize coverage
- FCC issued rules allowing stations to adopt DTS
 - Enhances opportunity to “replicate” as well as “maximize”