## Study on Performance Improvement of ISDB-T Receiver in Fast Fading

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## **Presentation Outline**

- What is ISDB-T?
- Problem of ISDB-T in Fast Fading
- The Conventional research
- Dummy Elements add on both sides of Monopole
   Array
- Dipole Array Doppler Spread Compensator

The 11th COE Technical

- Conclusion
- Future Work

 What is SDD-T?

 Cintegrated Services Digital Broadcasting for Terrestrial.

 c. bigital Terrestrial Television Broadcasting Sources

 CBD-T has been started on December, 2003

 Stationary Reception->12segments (64QAM)

 Celutar Phone Reception->1segment (QPSK)

 OFDM(Orthogonal Frequency Division Multiplexing)

 was multi-path delay

 (Narrow bandwidth among sub-carriers)

 was in Doppler spread

 Character problem when high speed mobile reception



























