



Digital Radio Planning in Thailand

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The National Broadcasting and Telecommunications Commission (NBTC)

Outline



- **1. Why Does Thailand Need Digital Radio?**

- **2. Digital Radio Planning**



Why Does Thailand Need Digital Radio?

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- **High demand for broadcasting services. VHF Band II (87.5 MHz – 108.0 MHz) is heavily used by FM broadcasting stations with approximately 5,000 stations currently operating in the band (313 main stations and more than 4,000 trial stations).**
- **Continuing aeronautical interference in the Band 108 MHz – 137 MHz due to spurious emission from FM stations during 2005 and present.**



2. Digital Radio Planning

Potential Frequency Band and Technology for Thailand



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Frequency Band	Technology
VHF Band III (174 – 230 MHz)	DAB+

DAB+

Digital Audio Broadcasting

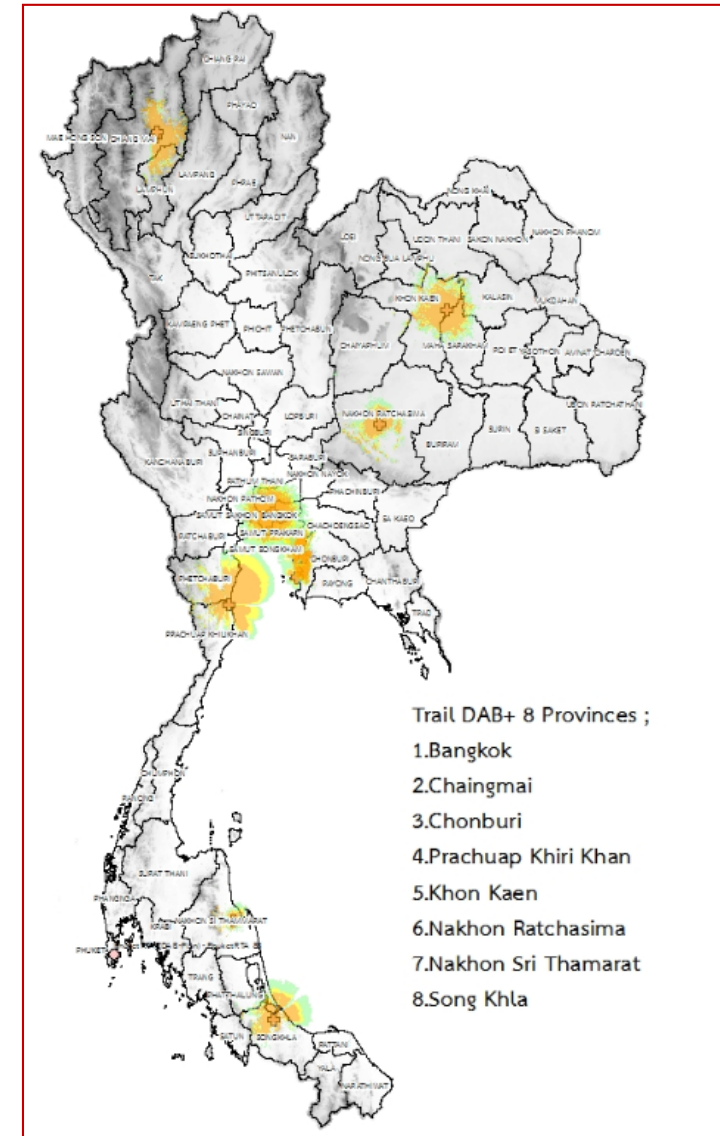


2-stage Implementation for DAB Roll Out Plan



1. DAB+ in the Trial Phase

- ❖ 8 sites in major cities i.e. Bangkok, Chiangmai, Chonburi, Prajuabkirikhan (Hua Hin), Khonkaen, Nakhonratchasima, Nakhonsrithammarat and Songkhla
- ❖ Channel 5 - 12 will be used.
- ❖ Reception: Portable indoor
- ❖ Protection of analogue television in VHF Band III
- ❖ Facility sharing (co-sitting) between DAB+ and existing analogue television.





2. DAB+ in the Final Phase

- ❑ **DAB+ in the final phase will employ SFN for national service and MFN for local service.**
- ❑ **The final phase is an ongoing process which will be decided further based on the results obtained from the implementation of the trial phase.**



Thank you

**National Broadcasting and Telecommunications Commission
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Bangkok, Thailand**