



科技创新 引领未来
Scientific and technological innovation lead the future

DTT Multichannel Broadband Solutions

Beijing BBEF Science & Technology Co., Ltd.
May 2014

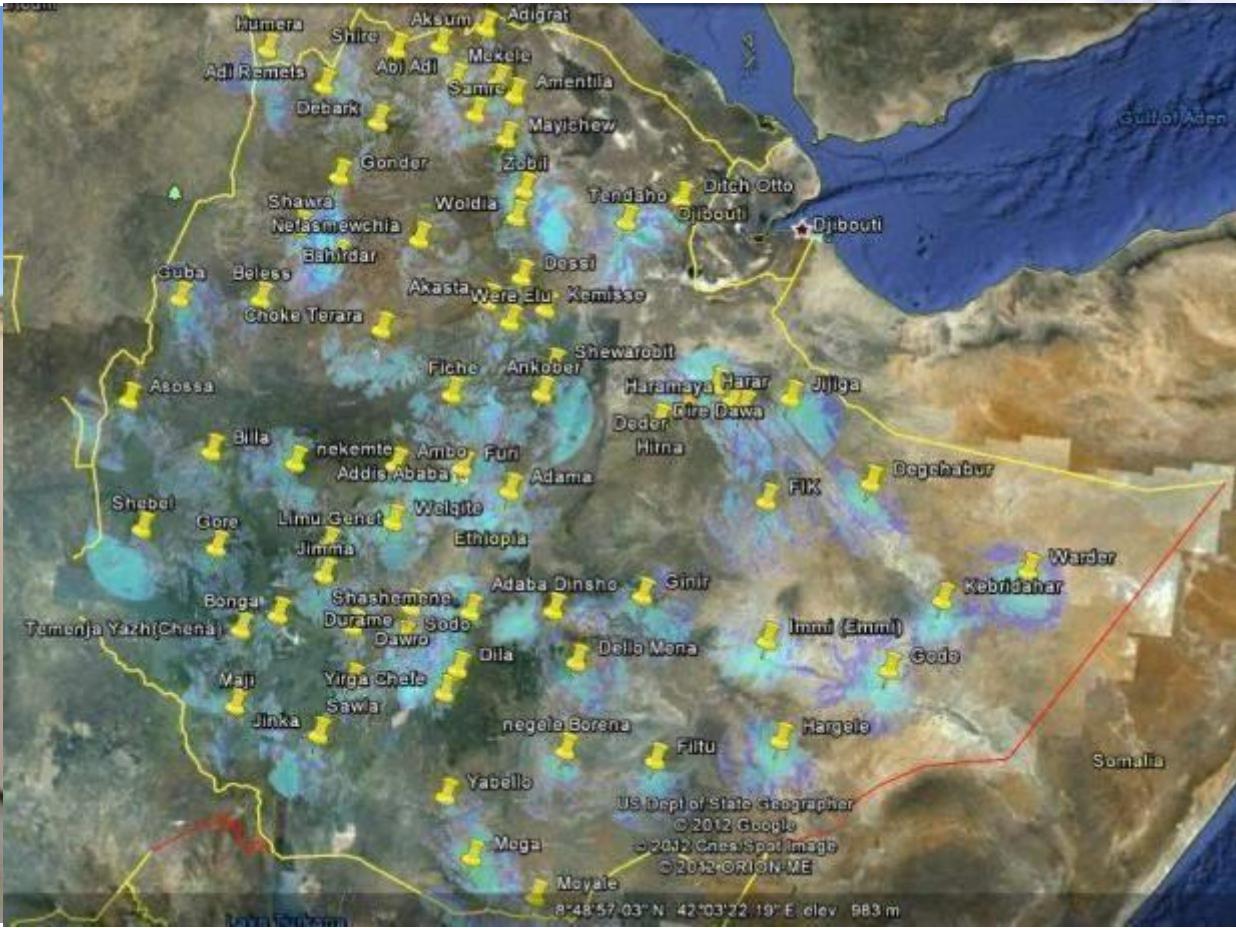


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BBG

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Projects in Ethiopia (A/D Migration)

- Phase I project : 28 TV stations +5 FM stations
- Phase II project : 46 TV stations +5 FM stations



Site Construction & Test



Training

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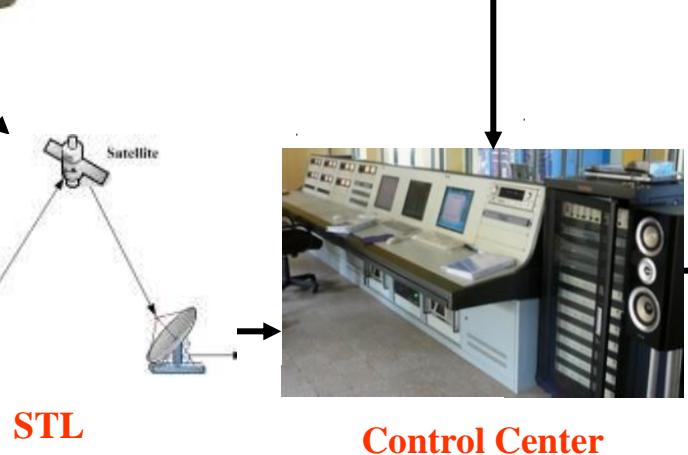
Factory training



On-site training

TV & FM Broadcasting System

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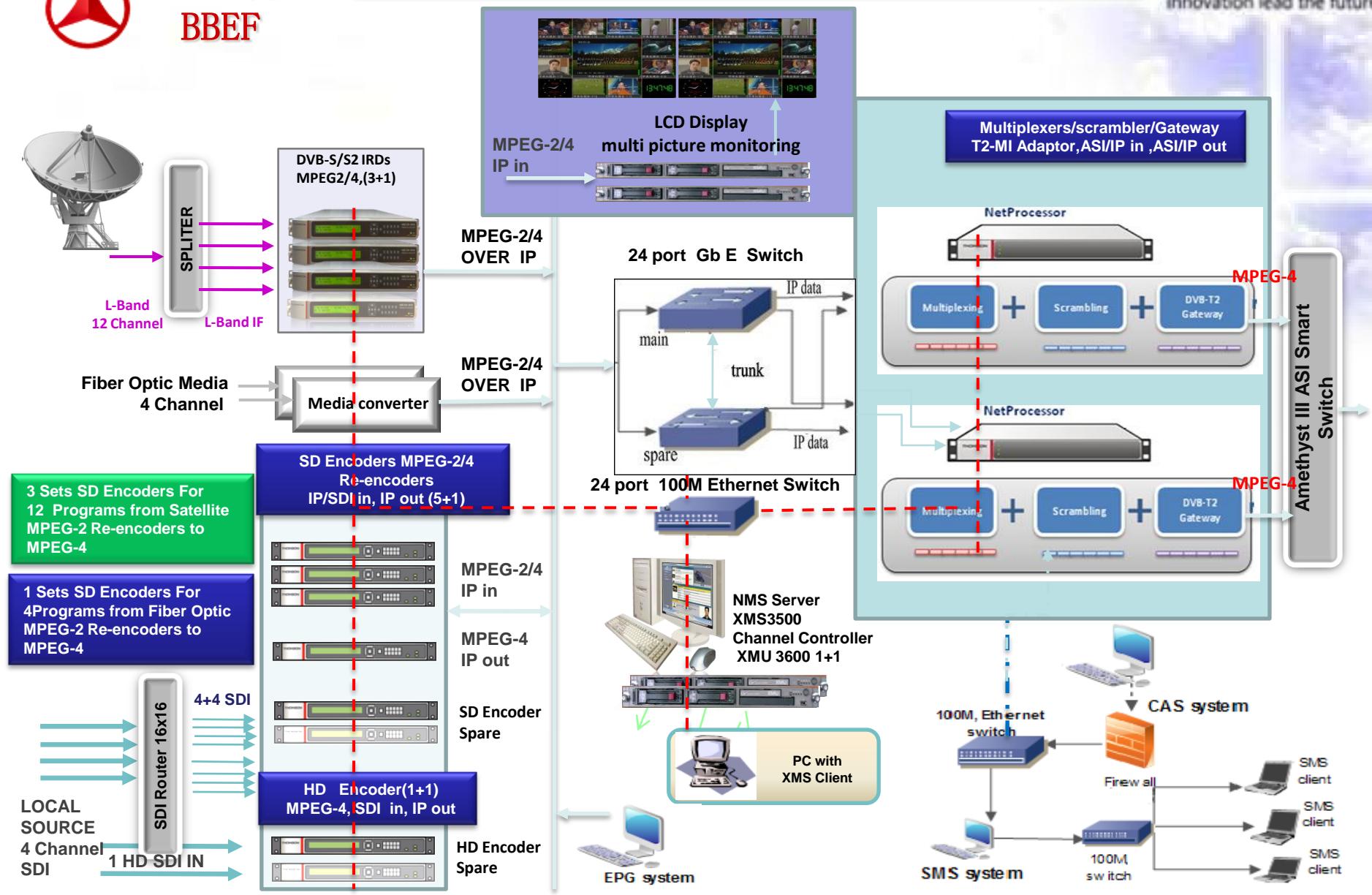


STL



DTV Head End System Solution

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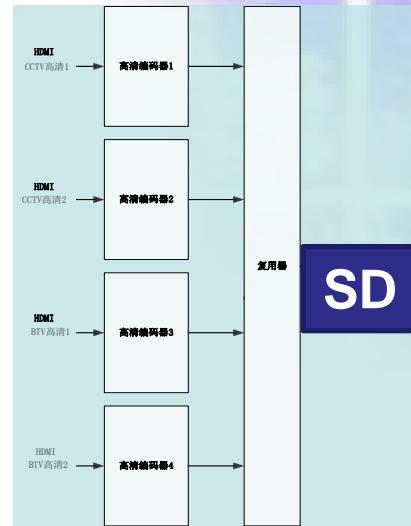




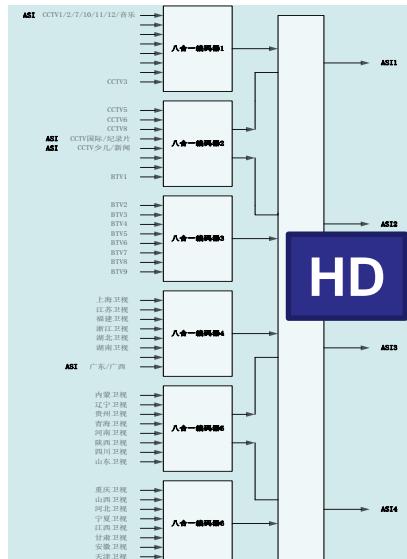
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Program Source Head End system

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SD



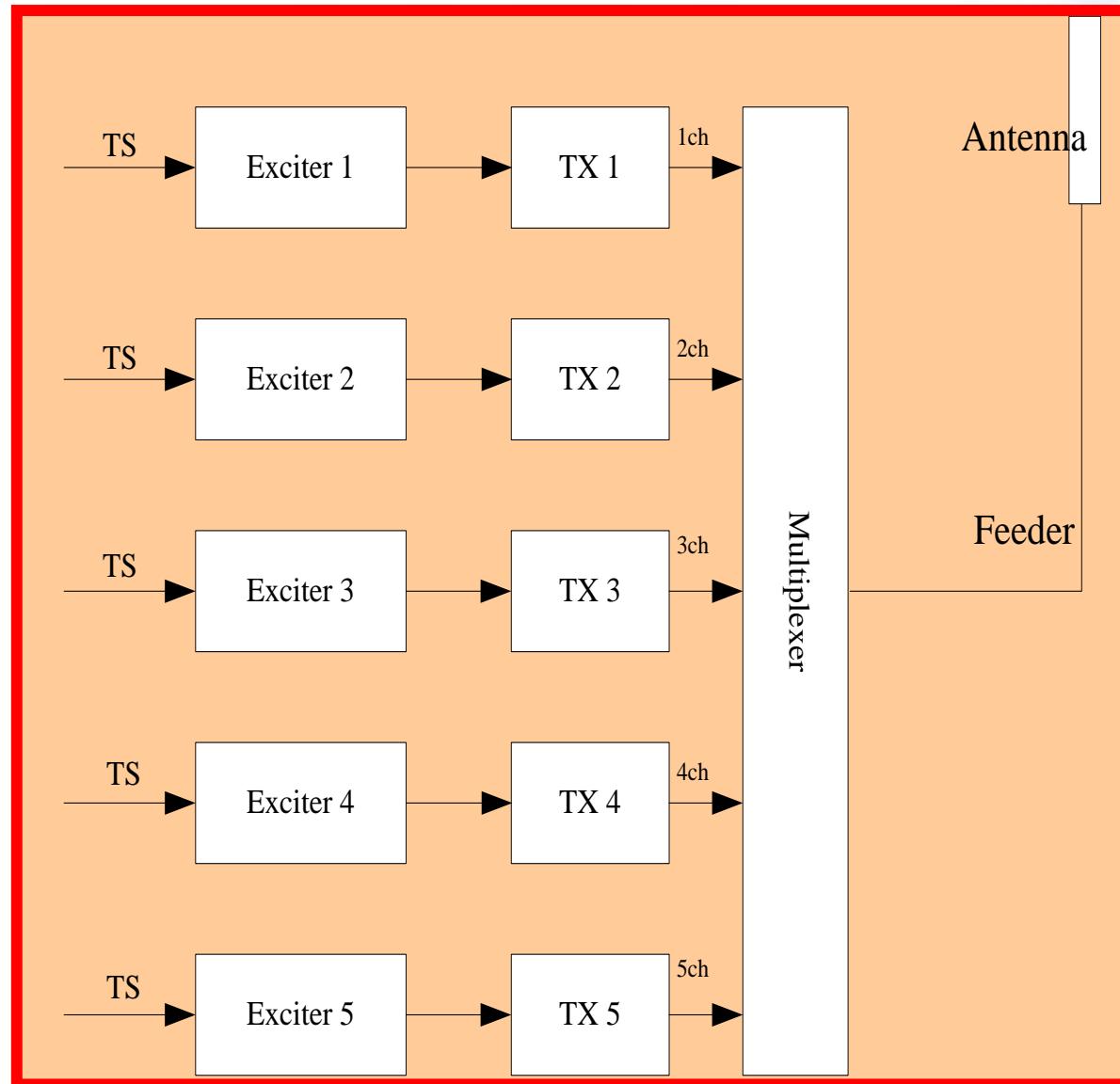
HD



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DTV Multichannel Transmission System

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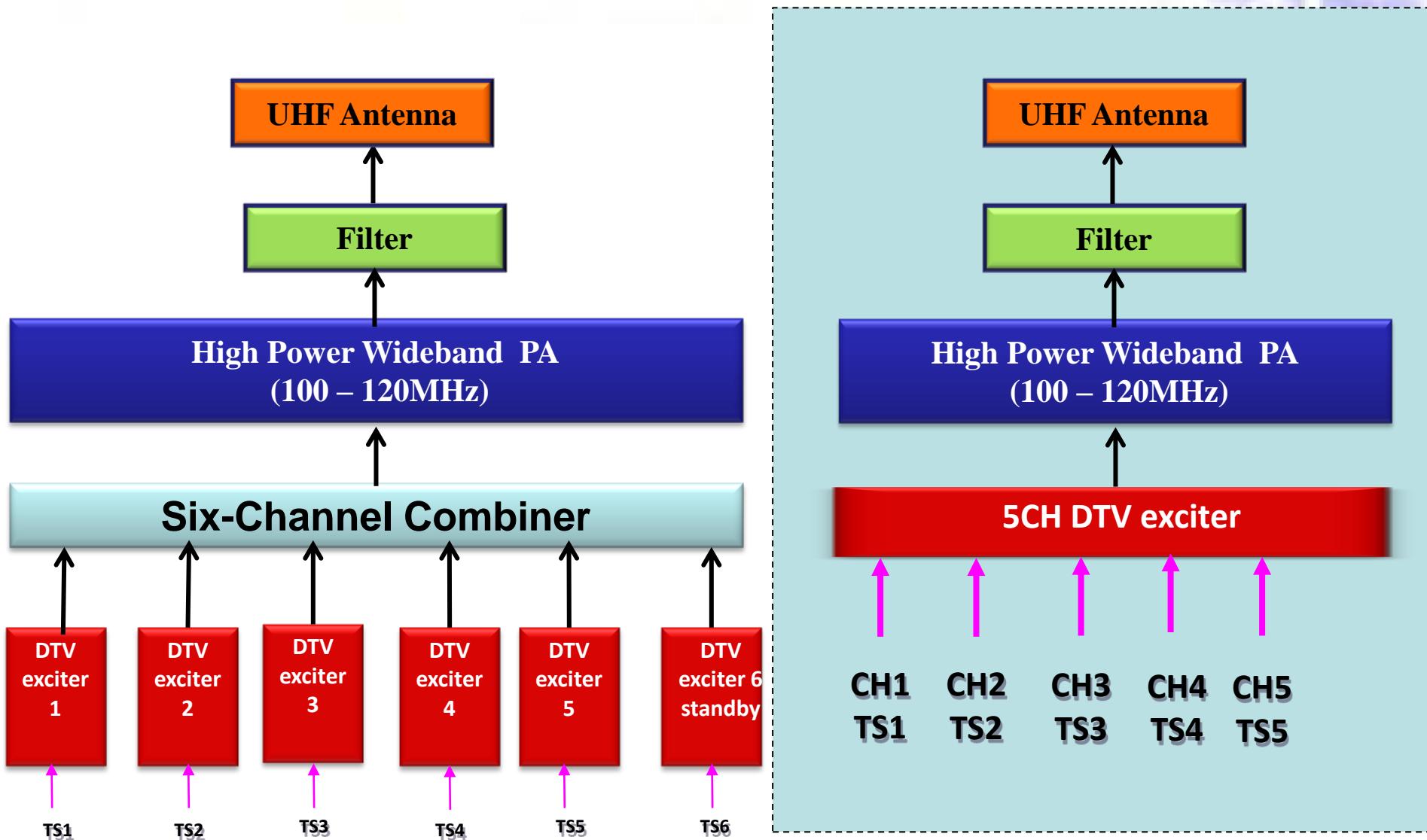




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DTV Broadband Transmitting System Solutions

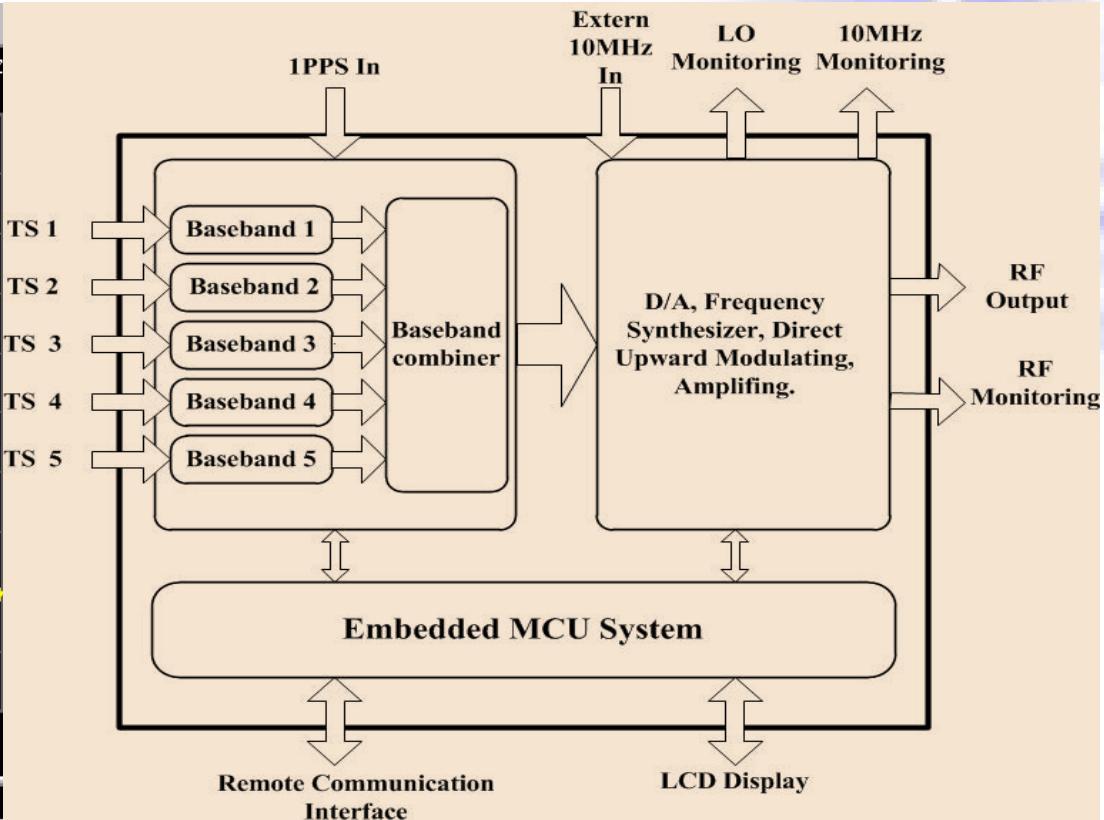
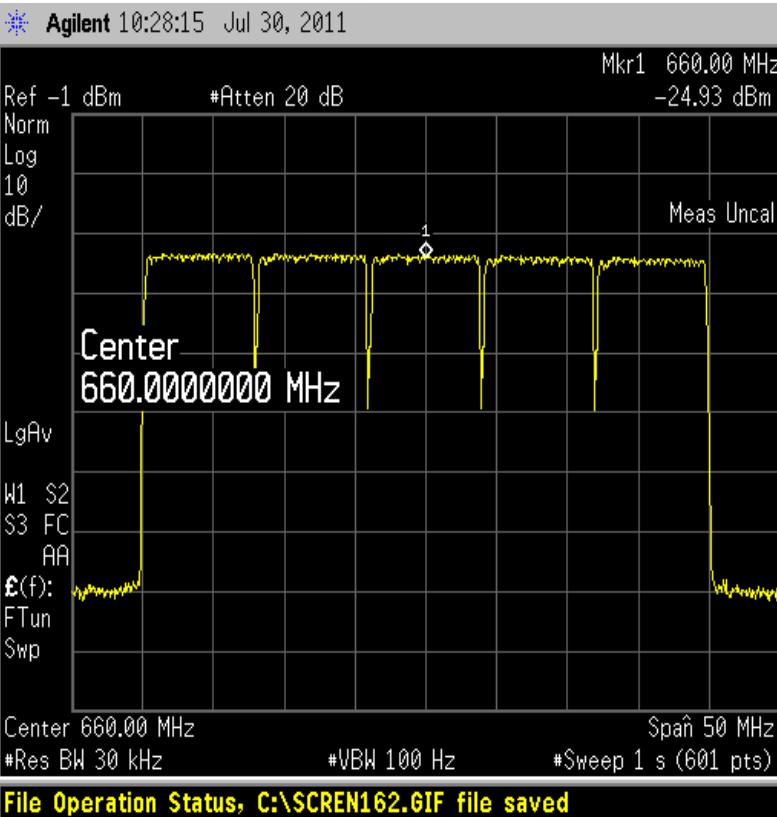
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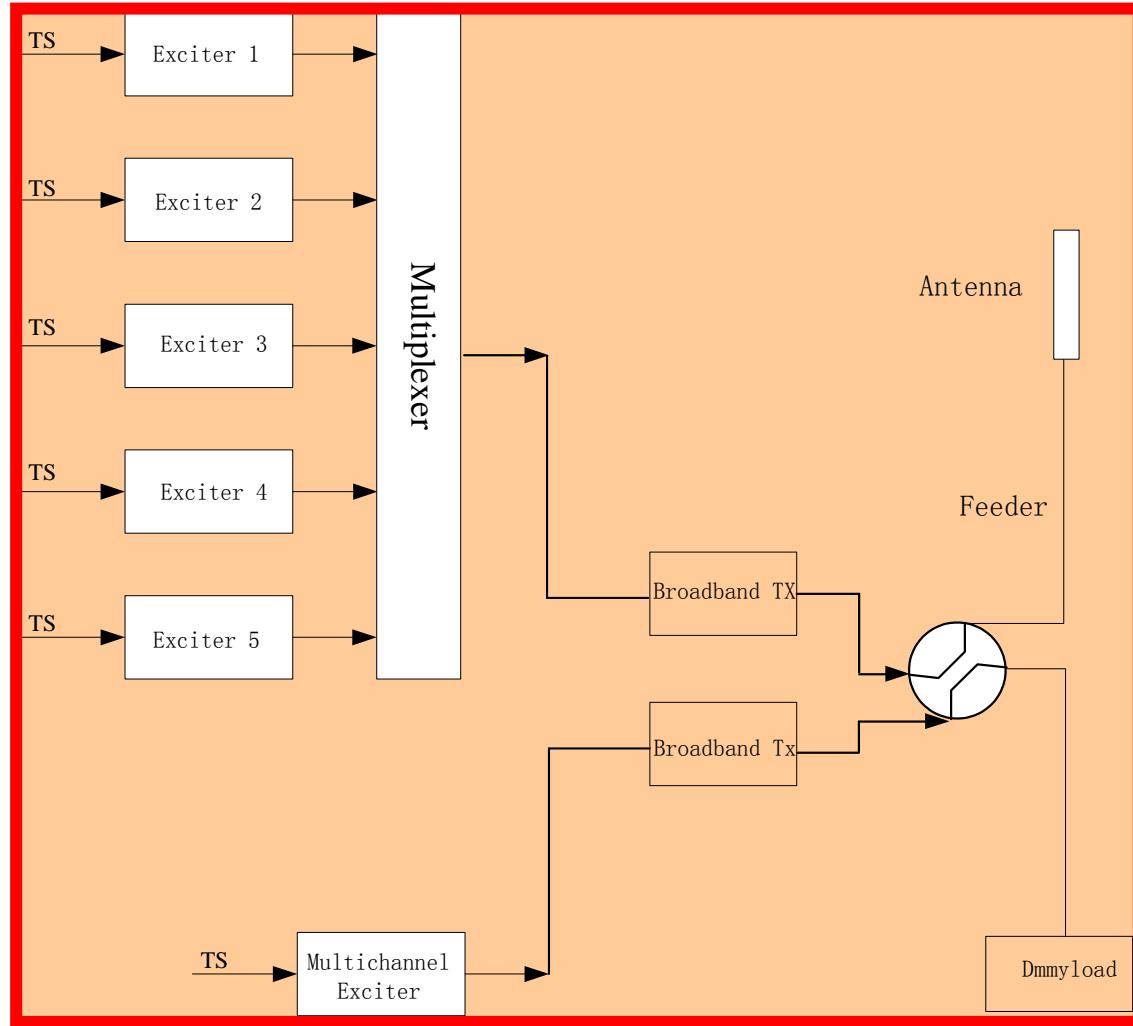
Multichannel DTV Exciter Signal Spectrum

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DTV Broadband Transmitting Demonstration System

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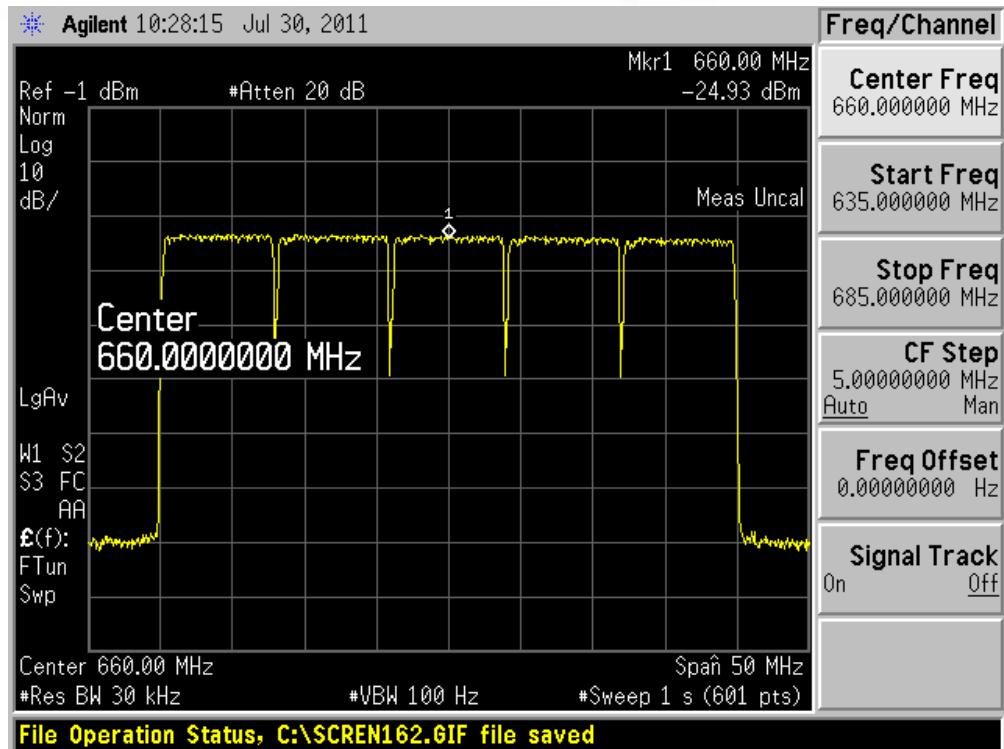


5 CH
5 Exciters

Broadband PA

Multichannel Exciter

DTV Broadband TX and Multichannel Exciter



Demonstration in Beijing





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Projects in Cuba



BBEF provided 30 transmitters, 15 channel combiners, 24 sets of feeder cable systems in **28 stations** in the representative area.

The whole Cuba will be covered when the representative area project finished.

Cuba 29 TV Stations





BBEF---Beijing Broadcast Equipment Factory

(1950 – 2014)

50



1950
Beijing
Broadcast
Equipment
Factory



1958
Move the
factory to
Huangsi
Street.

58

00



2000
Electonic-
town Building



2001
Beijing
BBEF Digital
TV &
Broadcast
Co., Ltd

01



04



2003
Beijing BBEF
Science & Technology
Co., Ltd

14



2010
Tianzhu
Airport
Economic
Development
Zone

BBEF

Provider of the Broadcast &TV system equipment and engineering;

Provider of solution, equipment and service in Broadcast & TV field.



What kind of services could BBEF provide in the TV A/D migration period?

- Network Planning
- Head-end
- Playout and Scheduling automation
- SFN handling
- CAS and CMS systems
- Pay per subscription pricing model
- SIM Card provisioning
- EPG aggregator/translator
- Customer Care
- Dealer interface
- Activation and management of quick reporting on purchases and on TV usage
- Integration with Data Warehouse
- Web mobile portal creation and integration for subscriptions and interactive services
- Self caring features
- Integrated Televoting and interactivity capabilities
- OTA integration for EMM sending
- Distribution design and implementation
- Network Provisioning

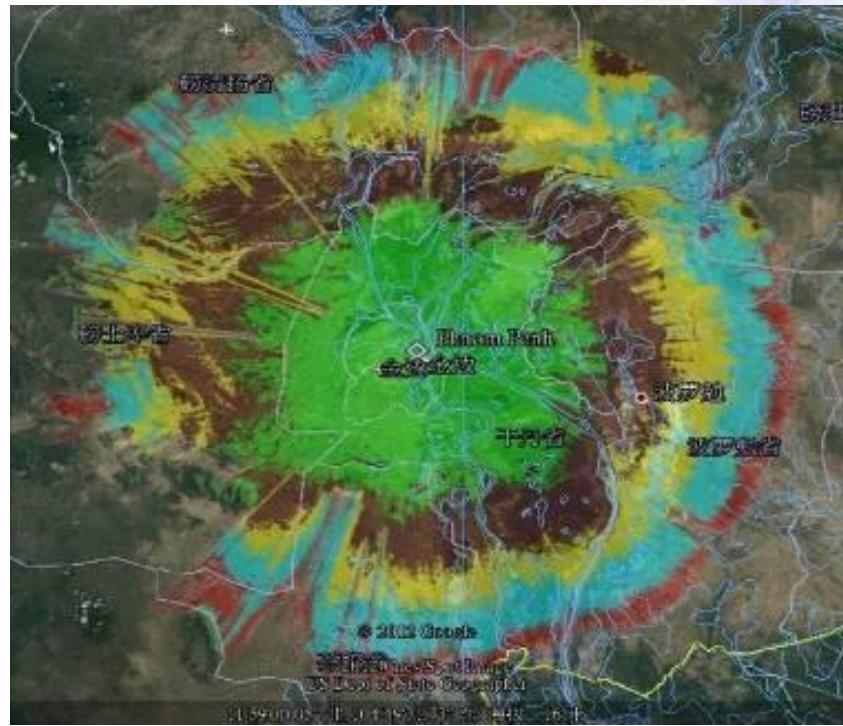
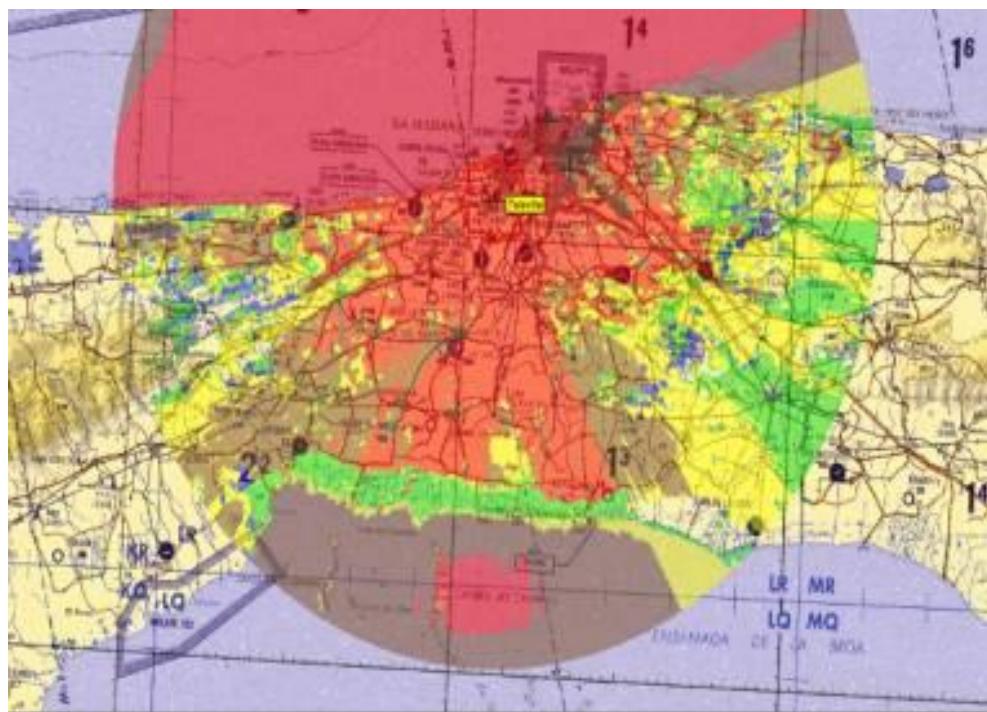
End to End Network Provision



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Digital TV System Design

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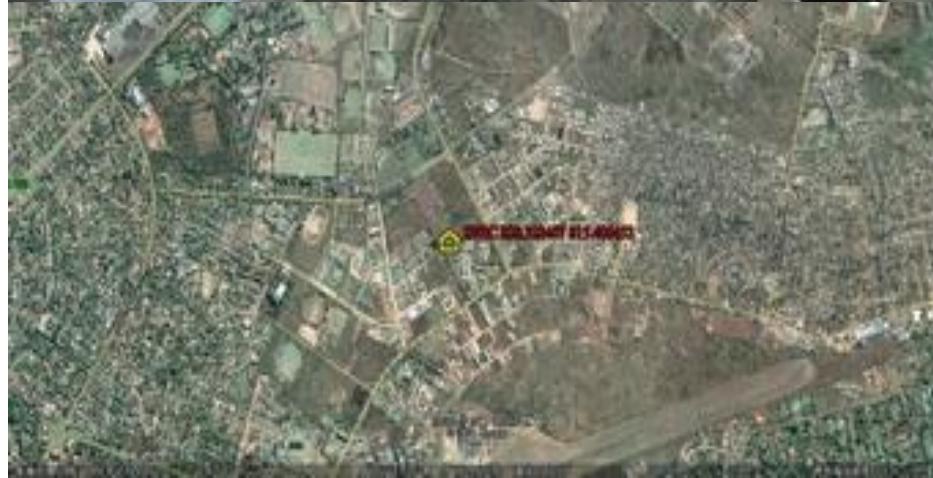




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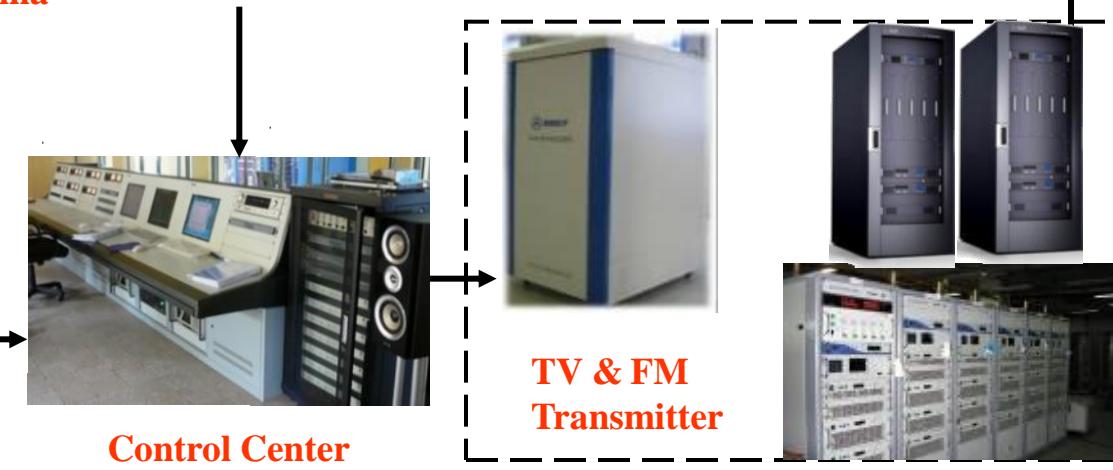
Zambia DVB-T2 Digital TV System

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TV & FM Broadcasting System

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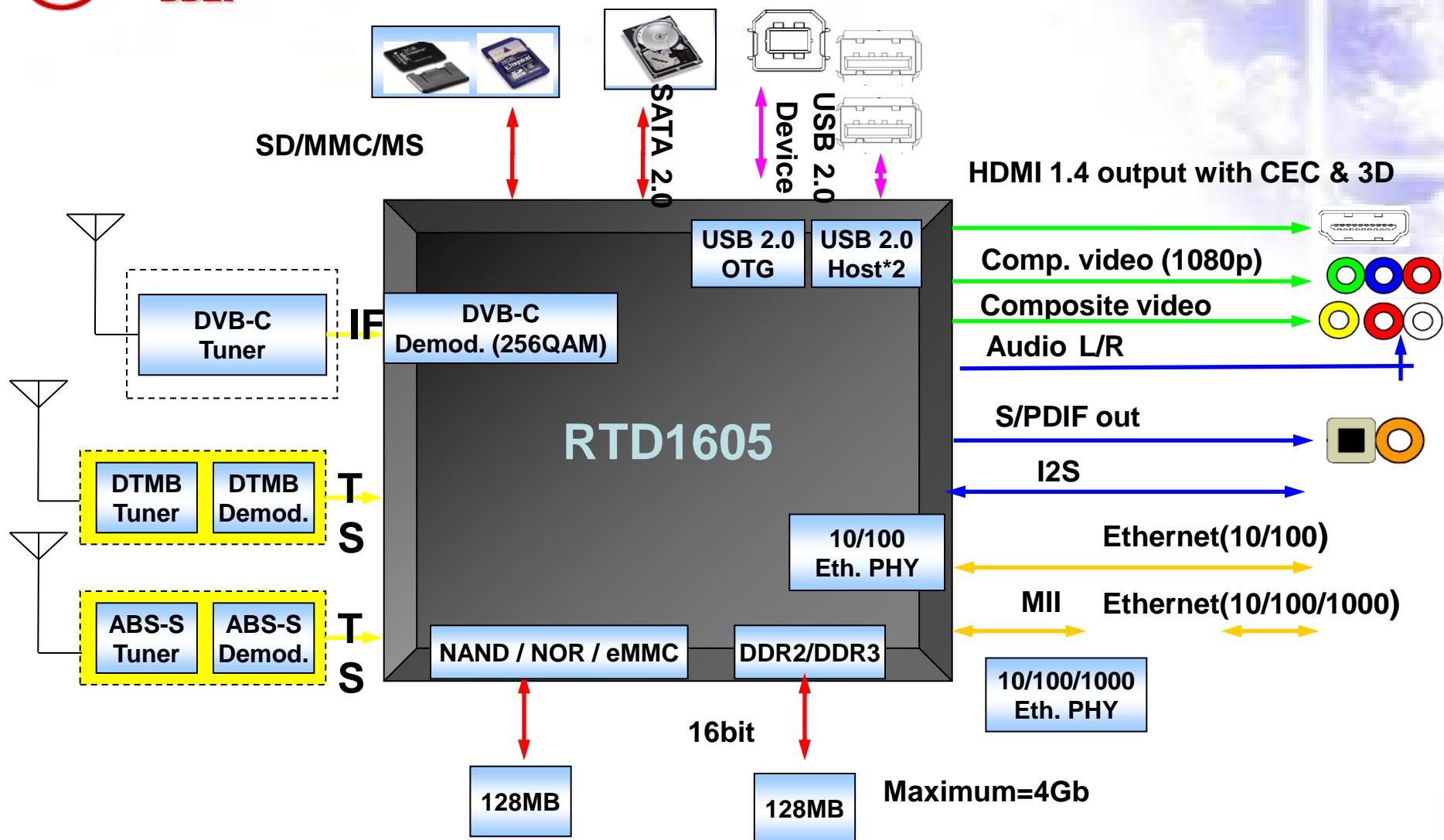




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DTMB + AVS+ HD Set-top Box

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- Standard: DTMB/DVB-T2/DVB-T
- AVS+/ MPEG-1/2/4/H. 264/RM/RMVB/WMV AVC...
- DRA, Dolby, DTS-HD, MP3, MPEG...
- Build-in Audio DAC, HDMI, CVBS, YPbPr, SPDIF, USBx3, SATA-II, Smart Card, SD/MMC





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Thank You !

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