

Full Digital TV Broadcast

Telecommunications Users and Consumers Advisory Committee

9 December 2020



Full Digital TV Broadcast



Analogue TV broadcast
switched off on
30 Nov 2020 23:59



Full Digital TV broadcast
starting from
1 Dec 2020 00:00



Assignment of Spectrum in the 600/700 MHz Bands



Frequency band 614 - 806 MHz to be vacated after ASO

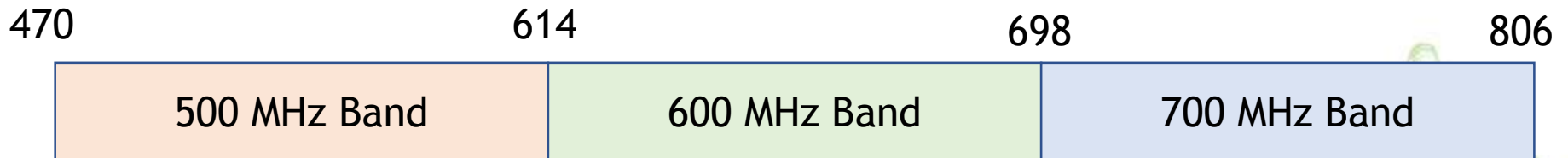
- 140 MHz spectrum for public mobile services
- 20 MHz spectrum for government application



70 MHz
Indoor public mobile services

70 MHz
Territory-wide public mobile services

20 MHz
Government application



Public Consultation

Public consultation on the assignment of spectrum in the 600/700 MHz bands for public mobile services

Public consultation period from August to October 2020

SCED and the CA target to make their respective decisions in Q1 2021

Overview on Digital TV Broadcast in Hong Kong



Free Digital TV Broadcasters

- Off-the-air transmission (Coverage: more than 99% of population)



- 81. Jade
- 82. J2
- 83. TVB News
- 84. Pearl
- 85. TVB Finance & Information



- 96. ViuTVsix
- 99. ViuTV



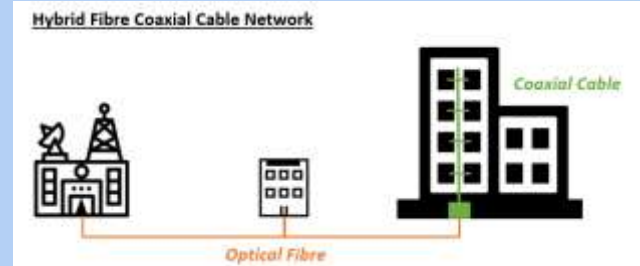
- 31. RTHK TV 31
- 32. RTHK TV 32
- 33. RTHK TV 33



- Fixed network transmission (Coverage: around 95% of total households)



- 76. Hong Kong International Business Channel
- 77. Hong Kong Open TV



Technical Overview of Digital Terrestrial TV (DTT) Transmission in Hong Kong

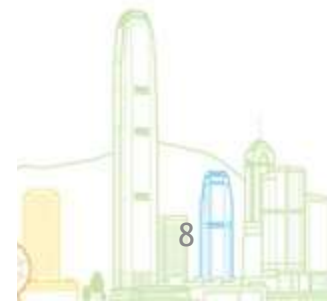


DTT Transmitting Stations



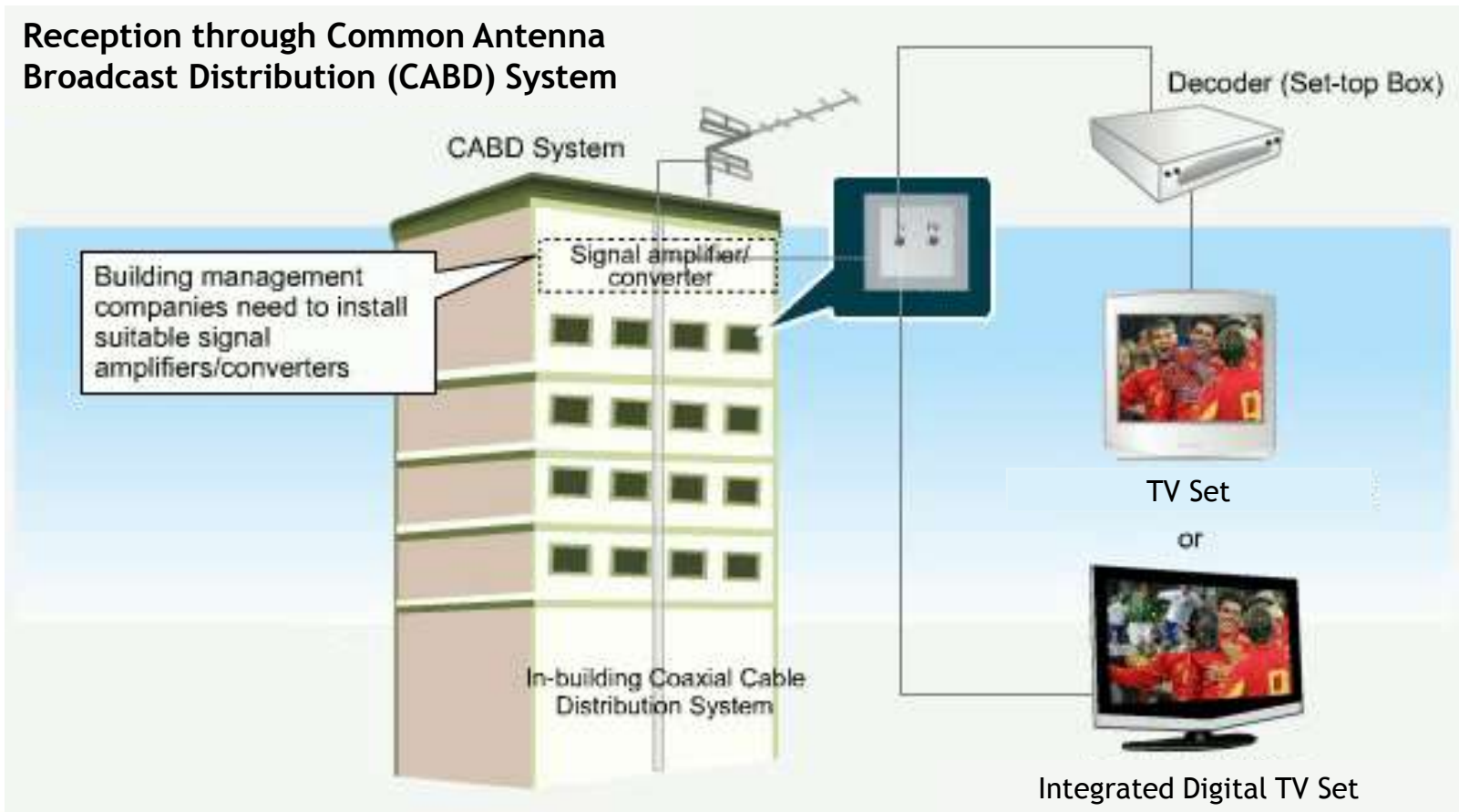
6 principle stations and
23 fill-in stations -->
covering more than 99%
of population

Remarks: locations of transmitting stations are shown for reference only



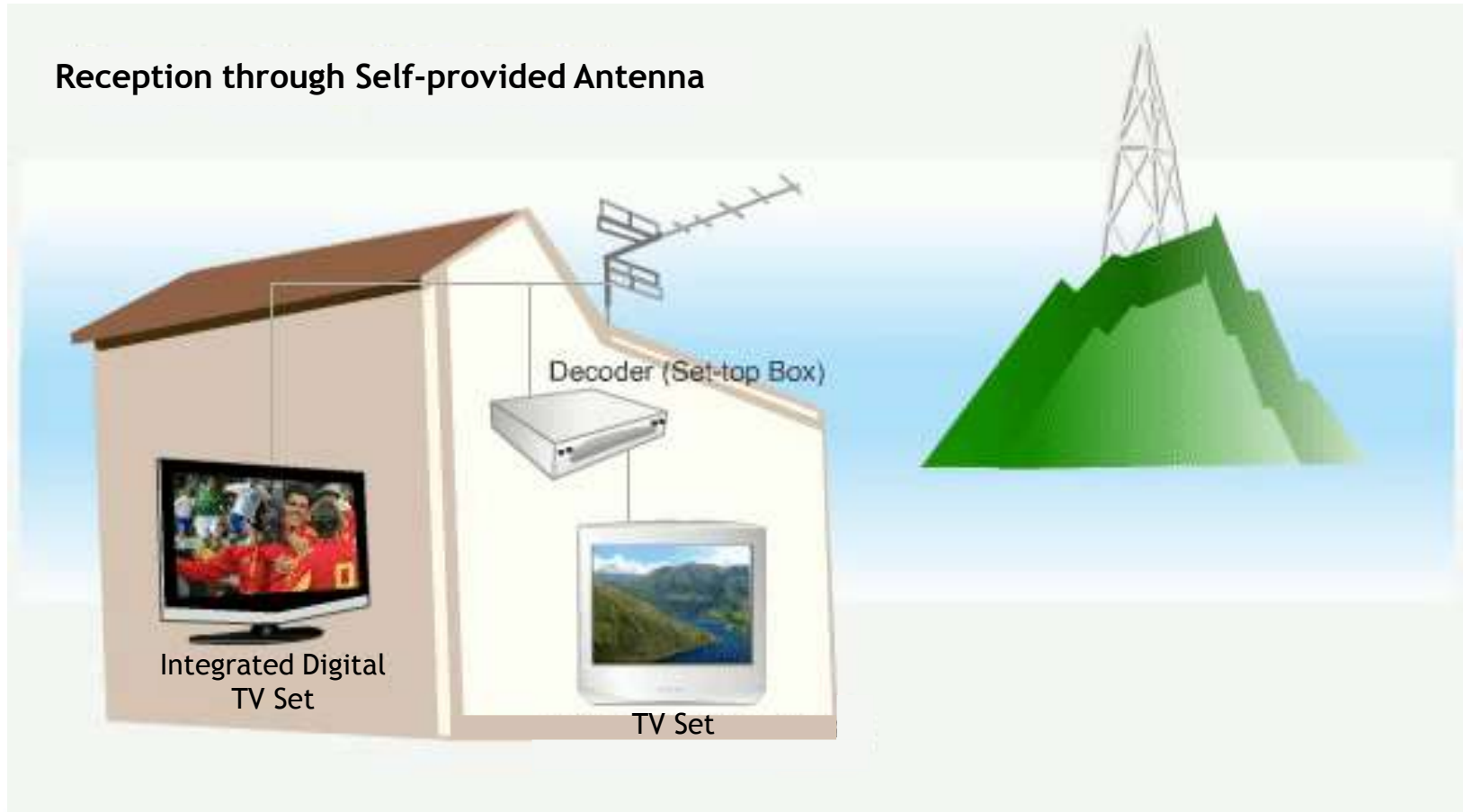
DTT Reception – CABD System

Reception through Common Antenna Broadcast Distribution (CABD) System



DTT Reception – Self-provided Antenna

Reception through Self-provided Antenna



DTT Coverage Database for Public Access

Databases for Broadcasting & Telecommunications Infrastructures

OFCA 通訊事務管理局辦公室
OFFICE OF THE COMMUNICATIONS AUTHORITY

English | 繁體版 | 簡體版

Databases for Broadcasting & Telecommunications Infrastructures

Building Search

Ready denotes that the CABO / ICCODS of the building is capable of receiving and distributing DTT signals.

Works in progress denotes that the building is in the process of upgrading its CABO / ICCODS for DTT reception.

Not applicable denotes that there is no CABO / ICCODS in the building.

Information denotes that information is not available.

3. Please click [here](#) for the possible sources of DTT signals.

DTT Station	Coverage
Queen Hill Station	✓
Kowloon Peak Station	✓
Mt. Nicholson Station	✓
Plover Hill Station	✓
Temple Hill Station	✓
Kau Wai King Station	○

3.1 Coverage = ✓ denotes that based on the computer simulation, DTT signals from the concerned station are receivable at the rooftop level of the building.

3.2 Coverage = ○ denotes that based on the computer simulation, DTT signals from the concerned station are only marginally receivable at the rooftop level of the building.

3.3 Installers are advised to point the television aerial to the DTT station from which the DTT signals are sufficient to produce the best quality of DTT services.

FTTB/H Service **FTTB**

Back to Search Results

Map Satellite

WU CHUNG HOUSE, 213, QUEEN'S ROAD EAST, WAN CHAI
灣仔區皇后大道東213號胡忠大廈

DTT Service
DTT Coverage Estimate: ✓

FTTB/H Service
Building Class: FTTB

Map data ©2020 Google

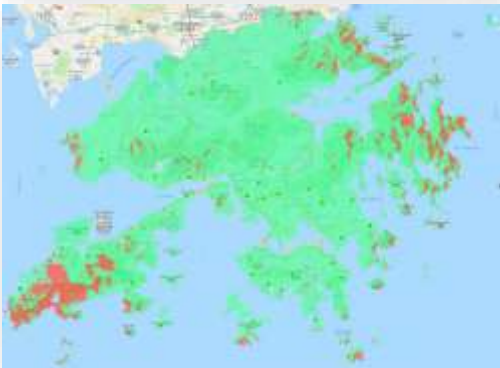
Challenges of Providing Full DTT Coverage in HK



Areas with Unsatisfactory DTT Reception



Radio wave carrying DTT signals would be affected by terrain or other obstacles. Certain areas blocked by hilly terrain or far away from DTT transmitters may only receive a weaker DTT signal, thus affecting the quality of digital DTT reception.

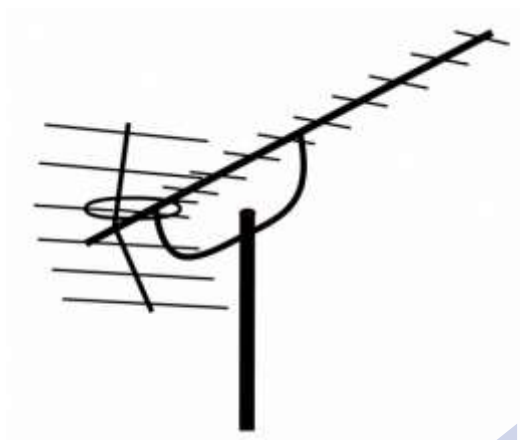


Areas with unsatisfactory DTT reception are mainly located in some remote areas in Sai Kung, North District, Lantau South and other outlying islands

Field Measurements



Measures for Improvement



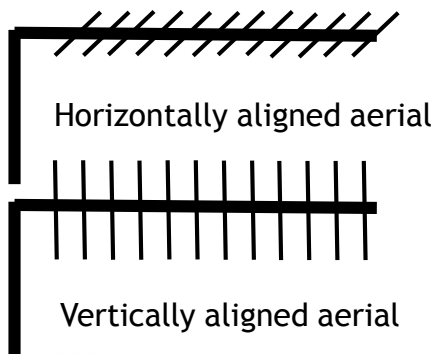
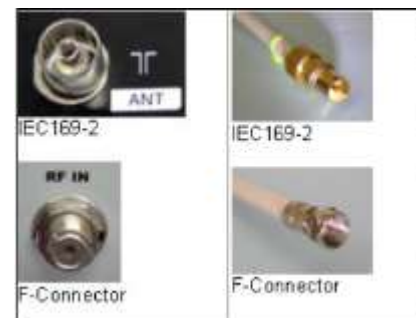
Using DTT receiving antenna with better reception characteristics

Installing DTT signal boosters



Re-positioning the reception antenna to a suitable position/direction

Using appropriate signal cables and connection arrangements



The screenshot shows the homepage of the Digital TV website. At the top, it features the Government of the Hong Kong Special Administrative Region logo and the text "Digital TV". Navigation links for "GovHK香港政府一站通", "繁體版", and "簡體版" are present, along with a search bar and "Site Map" link. The main banner area includes a "Full Digital TV Broadcast" announcement for "1 December 2020" with a "Full" label. Below this is a promotional image with a man pointing and the text "仲睇緊模擬電視? 立即行動!" and "Still watching analogue TV? Act Now!". A "What's New" section lists two dates for analogue TV switch-off: "01-11-2020" (30 days left) and "02-10-2020" (60 days left). The footer contains three columns: "Full Digital TV Broadcast", "Community Care Fund Digital TV Assistance Programme", and "TV and Radio Announcement", with a "Leaflet and Poster" link at the bottom right.

The Government of the Hong Kong Special Administrative Region
Digital TV

GovHK香港政府一站通 繁體版 | 簡體版

Search Key Words | Site Map

Full Digital TV Broadcast

Basics of Digital TV

Home →

News Room →

FAQ →

TV and Radio Announcement →

Leaflet and Poster →

Glossary →

Contact Us →

Full
Digital TV Broadcast
1 December 2020

仲睇緊模擬電視?
立即行動!
Still watching analogue TV? Act Now!

全面數碼電視廣播
2020年12月1日
Full Digital TV Broadcast
1 December 2020

What's New

Thirty days left before switch-off of analogue TV broadcast (01-11-2020)

Sixty days left before switch-off of analogue TV broadcast (02-10-2020)

Read More

Full Digital TV Broadcast

Community Care Fund Digital TV Assistance Programme

TV and Radio Announcement

Leaflet and Poster

How to prepare for full digital TV broadcast?

Thank You

