

MENA Spectrum Management

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**The future shape of the UHF band
in the Arab Region,
Broadcasting point of view**

Mohsen Ghommam Malek, ASBU

DSO Status in the Arab World

Country	Year Of Launch	DSO Date	TV Standard	Compression Format	Status
Saudi Arabia	2006	2013	DVB-T DVB-T2	MPEG-2 MPEG-4	Advanced/ Completed
Morocco	2007	17/06/2015	DVB-T	MPEG-2	Advanced/ Completed
United Arab Emirates	2014	31/07/2014	DVB-T2	MPEG-4	Advanced/ Completed
Algeria	2010	2015 (UHF) 2020 (VHF)	DVB-T	MPEG-2	Advanced/ Completed (in UHF)
Tunisia	2001 & 2010	2016	DVB-T	MPEG-4	Advanced/ Completed (Sudsidize low income families)
Bahrain	2015	Mid - 2015	DVB-T DVB-T2	MPEG-2 MPEG-4	Advanced/ Completed
Kuwait	2013	2015	DVB-T2	MPEG-4	Advanced/ Completed

Coverage

**Between
80-100%**

**Household
Receiver
Penetration**

**Between
20-55%**

DSO Status in the Arab World

Country	Year Of Launch	DSO Date	TV Standard	Compression Format	Status
Oman	2016	2019	DVB-T2	MPEG-4 HEVC	Ongoing
Egypt	2015	17/06/2020	DVB-T2	MPEG-4	Ongoing
Qatar	2014		DVB-T2	MPEG-4	Ongoing
Jordan	2014		DVB-T2	MPEG-4	Ongoing
Sudan	2018		DVB-T2	MPEG-4	Ongoing

ASBU recommendation for receivers

For Spectrum Efficiency use, ASBU recommend:

Transmission: DVB-T2

Compression: HEVC

Importance of sub-700 MHz band for DTT (1)

Since:

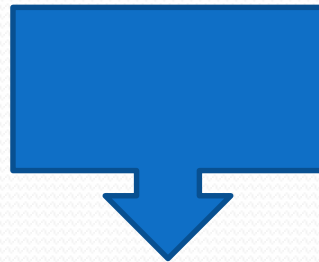
- **700 Mhz & 800 Mhz bands are allocated to Mobile services & OPS**
- **Launch of many trial and regular projects of Digital Radio is ongoing in VHF (BIII) Band in many Arab countries**
- **Robustness of DTT service compared to satellite in difficult propagation conditions**

Importance of sub-700 MHz band for DTT (2)

- **Insufficient penetration on Internet service**
- **Need to ensure sovereignty and independence from the Satellite Operators**
- **Review at WRC-23 is a good opportunity to demonstrate the need for extended period (Sub-700 Mhz) of certainty.**

Importance of sub-700 MHz band for DTT (2)

- The Arab League Ministers of Information Council has regulated the sports rights in the AR, against monopoly
- Continental and International as well as national team sports shall be terrestrial broadcast free to AIR
- The demand for UHF is expected to increase upon the completion of existing monopolized events



The remaining sub-700 Mhz band is very important and vital for DTT to preserve the Public TV Service Broadcasting (PSB) in Arab Countries



Thank you

Mohsen.ghommam@asbu.net