

### Digital Dividend Forum WRC 15 Asunción - 12.07.2013

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#### Russia Federation - Doc 5D/118-September 2012 ITU spectrum estimates and actual spectrum supply comparison



### **Invitation for reflection**

### Asking for more spectrum?

A vanilla ice cream, double, to the first one that presents a report showing spectral efficiency in the mobile operations. Brazilian FTA TV: most important mass media platform

63,7% Pop



Mídia Dados Brasil 2013

### Brazilian FTA TV: fixed, transportable, mobile. Free of charge. A very modern platform. Hard to be replaced.



# Brazilian FTA TV: continues leading advertising



FTA TV-64,47% Newspaper-10,98% Magazines-6,48% ■Internet-5,01% Pay TV-4,76% Radio-3,98% Outros-4,32%

# Brazilian Free to Air TV: still growing ...







ARGENTINA

FTA TV has a critical role in building and maintaining national identity and integration. HOW TO MAKE AVAILABLE 108 MHz, CHANNELS 52 TO 69, IN SUCH ENVIRONMENT?

FTA TV has a critical role in building and maintaining national identity and integration.

VENEZUELA

BOLÍVIA

ARGENTINA

COLÔMBIA

EÓUADO

MT

URUGUAI

PARAGUAI

GUIANA FRANCESA

### **DIGITAL FTA TV X DIGITAL DIVIDEND:**

### **DTT WITH VERY SAME COVERAGE NO INTERFERENCE FROM LTE**



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## Adjacent bands: very serious interferences from LTE/IMT to DTT

GovernOfcom

## • 2,7 milion of interfered residences

 MitCo – £180 milion provided by Telco. operators Japan PROPOSED MODIFICATIONS TO REPORT ITU-R BT. 2247-1: Study on interference between ISDB – and IMT in the 700 MHz band (Document 6A/235-E / 10 April 2013)

Two years testing
TV.s and reception systems
Channel per channel, all channels
Interferences much much more grave

### **For reflection**

### ITU: more active in warning administrations about IMT interfering in DTT?



Specific chapter in IMT Handbooks (5 D and ITU-D)?



## Roboust tests to identify and shape the Brazilian case.

**Results expected for end October.** 

### **For reflection**

Harmonization demands time and respect to each country reality

**RESOLUTION 224 Rev 2 – WRC 12** 

Emphasized

a) that in all administrations terrestrial broadcasting is a vital part of the communication and information infrastructure;

b) that flexibility must be afforded to administrations:
to develop their own transition plans, if necessary, tailored to meet their specific deployment of existing systems;

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### **WRC 15**

### 470 – 698 MHz is the only segment of the spectrum suitable to the Brazilian FTA TV.

Brazil will not be in condition to support the identification of the 470 – 698 MHz to IMT.

For reflection, when thinking in WRC 15

### Report ITU – R M 2072 shall not be repeated

### 8% OF ITU MEMBERS?

14 COUNTRIES FROM 192?

11 ENTITIES? For reflection, when thinking in WRC 15

Report ITU – R M 2072 shall not be repeated

Brazil; Australia; China, USA; Japan ; Bulgaria, Estonia, Malta, Poland, Azerbaijani, Canada, Korea, Cameroon, Mauritius;

France Telecom, IEEE, APT Wireless Forum, Intel Corp, Winner Project, CEPT, 3G Americas, UMTS Forum, WWRF Forum, DECT, CDMA Development Group 8% OF ITU MEMBERS?

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