

EPCglobal HK RFID Conference

Panel Discussion : “A New Milestone for HK & PRD”

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OFTA's Roles in Facilitating RFID Implementation

- Availability of radio frequency spectrum
- Wider choice of equipment
- Licence-exempt use of RFID equipment
- Co-operation with Mainland

Radio Frequency Spectrum for RFID

- Europe : 865 – 868 MHz
- US : 902 – 928 MHz
- Consultation with Radio Spectrum Advisory Committee and relevant parties
- Hong Kong : 865 – 868 MHz & 920 -925 MHz
- Electromagnetic compatibility (EMC) between GSM and RFID equipment in 900 MHz
 - Objective tests
 - 3 MHz guard band

Wider Choice of Equipment

- Most countries allocate a single frequency band for RFID
- Hong Kong is innovative in adopting a dual-band approach
- Wider choice of equipment
- Singapore and Indonesia have also allocated dual bands, Malaysian regulator is considering the same approach

Licence-exempt Use

- Licence required for the use of radio devices under Telecommunications Ordinance
- Amendment of existing Exemption Order
- Effect from 15 April 2005, users are exempt from licensing for the use of RFID equipment
- Voluntary type approval requirement

Co-operation with Mainland

- Task group between the spectrum regulators on RFID frequency allocation set up
- Sharing views and test results on EMC between RFID and GSM equipment
- Harmonized frequency band for RFID applications between Hong Kong and Mainland
- Facilitating early allocation of frequency band for RFID in Mainland

RFID Applications in Hong Kong

- Airport Authority's RFID-based baggage handling system
- US\$27m, largest automatic identification system in Asia
- Anticipate that RFID will be widely used in Hong Kong for various applications
- 433 MHz for tracking container goods using active RFID tags



THANK YOU