

## Applicable Standards for WLAN Devices in Indonesia

[WLAN Approval](#) test will be based on National standards: KEPDIRJEN No.058/DIRJEN/1998 (indoor application), KEPDIRJEN No. 268/DIRJEN/2011 (outdoor application) and PERDIRJEN No. 233/DIRJEN/2010.

- Access Control Protocol Method: TDMA/FDMA/CDMA/CSMA-CA
- Modulation type: FSK/BPSK/QPSK/QAM/CCK
- Multiplexing technique: OFDM/TDM/FDM
- Spread spectrum: FHSS/DSSS
  
- CNR for  $1 \times 10^{-6}$  symbol error rate:  $\leq 10$  dB
- Spurious all band:  $\leq -50$  dBc
- Receiver sensitivity:  $\leq -58$  dBm
- Radiated Emission Limit: 500  $\mu$ V/m at 3 meters measurement (FCC part 15.209)
  
- **Operating Frequencies: 2.4 - 2.4835 GHz and 5.725 - 5.825 GHz**
- **Maximum bandwidth: 20 MHz**
- EIRP (2.4 - 2.4835 GHz): 27 dBm for indoor utilization and 36 dBm for outdoor utilization (KM No.2/2005)
- EIRP (5.725 - 5.825 GHz): 36 dBm for PtoP and PtoMP application and 33 dBm for mesh application (PERMEN No.27/2009)
- Minimum data access: DSSS shall be 11 Mbps / channel and FHSS shall be 3 Mbps / channel
- Interface: IEEE 802.3 compliant (Ethernet/E1)

Document Requirements such as:

1. Power of Attorney to CV. DIMULTI
2. Completed Application Forms [ PM.4 and PM.5]
3. Technical Data of Device [ General information, Installation Guide, User Manual, Foreign Test Report (optional), etc..]

