

Applicable Standards for RFID in Indonesia

RFID approval test will be based on national standard: KEPDIRJEN No.214/DIRJEN/2005 for RFID operation in 13.56 MHz, with the key parameters are as follows:

- Radiated Emission Limits

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measuring Distance (m)
13.567 - 30.0	65	10

- Error Frequency shall be below 50 KHz
- The Transmission power shall be below 10mW (ERP)

Another kind of RFID approval test will be based on national standard: KEPDIRJEN No.221/DIRJEN/2007 for RFID Operated in 923 - 925 MHz, with the key parameters as follows:

- Radiated Emission Limits

Frequency (MHZ)	Field Strength ($\mu\text{V/m}$)	Measuring Distance (m)
923-925	500	1

- Tag utilized shall be passive tags
- Total bandwidth utilization shall be 2 MHz with maximum hopping channel 500 KHz
- The transmission power shall be below 2000mW (ERP)
- Modulation technique: Frequency Hopping Spread Spectrum (FHSS)
- Transmitter antenna shall be embedded with +/- 6 dBi, 5 Ω
- Error Frequency: +/-20 ppm from center frequency
- Communication ports:UART,RS-232,RS-485,USB,Serial,Parallel,LAN,WLAN,WAN
- Receiver Sensitivity: max 28dB $\mu\text{V/m}$ or -96dBm, with impedance input 50 Ω

Document Requirements Such as:

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

