

Guide to Cordless Phone Certification in Indonesia

Certification in Indonesia

Certificate of approval is required for every telecommunication and ITE equipment entering Indonesian territory. The certificate of approval is issued by Directorate General of Resources and Equipment Standardization for Post and Informatics (SDPPI). Certifications are granted at the system (host) level. The certificate is valid for each type or model number of equipment while product or model series certificate or type approval is not acceptable.

In-Country Testing

In-Country testing is required prior to certificate issuance by SDPPI. RF / Telecom Test is mandatory while EMC and safety is voluntary. The test will require 2 (two) samples of equipment and it will be conducted by local laboratories which appointed by SDPPI.

Applicable Standards in Indonesia

Approval test will be based on national standards: KEPDIRJEN No. 130/DIRJEN/1995 and KEPDIRJEN No. 86/DIRJEN/1999. The key parameters are as follows:

- GENERAL REQUIREMENTS

There are 3 (three) categories of cordless phone acceptable in Indonesia: TTKP, TTKU-A and TTKU-B

SPECIFICATION	CATEGORY		
	TTKU-A (CT2)	TTKU-B (DECT)	TTKP
Frequency (MHz)	864.1 – 868.1	1880 – 1900	46.075 – 46.625 49.175 – 49.725 233.025 – 233.250 234.025 – 234.250
Channel Spacing (KHz)	100	1728	NA
RF Carrier	4	10	NA
Access Method	FDMA/TDD	TDMA/TDD	NA
Modulation	GMSK/GFSK	GMSK/GFSK	NA
Transmission Speed (Kbit/s)	72	1152	NA
Voice Codec (Kbps)	32	32/ADPCM	NA
Maximum Range (M)	200	200	200
Transmitting Power (mW)	10	10	10

- INTERFACE REQUIREMENTS

Impedance (shall be measured on LOOP condition)

Direct Current impedance	100 – 300 Ohm
Return Loss on 300 – 3400 MHz and 600 ohm	300 – 490 Hz: ≥ 14 dB 500 – 2500 Hz: ≥ 18 dB 2510 – 3400 Hz: ≥ 14 dB

DTMF

Frequency (Hz)		High Frequency		
		1209	1336	1477
Low Frequency	697	1	2	3
	770	4	5	6
	852	7	8	9
	941	*	0	#

SIGNAL LEVEL

High Frequency	-11 dBm to -4 dBm
Low Frequency	-11 dB□ to -4 dBm
Acceptable Difference between Low and High Frequency	1 to 3 dB

Documentations Requirements

1. Completed Application Forms: Application Form (FR.PM.5), Inspection Form (FR.PM.4), Power of Attorney to *TEKNOKRAT* Indonesia
2. Technical Constructive File: General information, Installation guide, User manual, BOM, Hardware description, Block diagram, Assembly Top/Bottom, Conducted test report (RF / Telecom and EMC & Safety test)
3. Copy of Certificates of Compliance (from other country)

TEKNOKRAT's services have been specifically designed to support manufacturers, test laboratories and consultants seeking type approval in Indonesia for telecommunications equipment and other ITE. The world's leading telecommunications equipment vendors already recognize the value in our service and entrust their approvals in Indonesia to us. We would be delighted to have the opportunity to support your telecom approvals.

for further information please contact: customer@typeapproval.or.id