

GOVERNMENT OF PAKISTAN



PAKISTAN TELECOMMUNICATION AUTHORITY
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No. Procedure for Type Approval/COC RFID Devices/9422/2021/

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Subject: Standard Operating Procedure for Type Approval/COC RFID Devices

The following procedures shall be adopted for issuance of Type Approval/COC for RFID devices.

- a. RFID devices shall be Type Approved as per the type approval regulations issued by the Authority from time to time.
- b. RFID devices with passive tag, and operating within the frequency bands (Specified in Annex-A), shall be issued COC (Certificate of Compliance) on case to case basis.
- c. RFID devices having active tag with/without networking and operating within the frequency (Specified in Annex-A) bands, shall be issued type approval on case by case basis.
- d. All RFID devices shall comply with frequency, power and range limit specifications as specified in Annex-A
- e. Any RFID device, if operating in the licensed frequency band allocated for telecom services in 850 MHz, 900 MHz, 1800 MHz, 2100 MHz and 3.4 GHz bands etc. or specified from time to time by PTA/FAB shall not be allowed to operated and imported in Pakistan. In case of violation, legal action shall be taken as per the Act, rules and regulations issued by the Authority from time to time.
- f. Type Approvals/ COC applications for all devices whose operating frequencies are not included in the Annex-A, their application shall be referred to Frequency Allocation Board (FAB) for their comments. PTA will decide the cases after receiving comments from FAB on case to case basis.

RFID Spectrum for Pakistan

Serial No.	Frequency Bands	Allowed Power	Max. Range
1	<135 kHz	0.022 W	Passive Tags= 0.5m Active Tags= 2m
2	433 MHz	0.01-0.1 W	Passive Tags= 2-5m Active Tags= 100m
3	865-868 MHz	a. 100 mW for indoor operations. b. 20 mW-100 mW for outdoor operations (case by case basis).	
4	2.4 GHz	0.5 W outdoor 4 W indoor	Passive Tags= 2-5m Active Tags= 30m
5	5.7 GHz	2 W	