



CITC Technical Specification

Document Number: RI115
Revision: Issue 1
Date: 15/07/2019 G

Specification for Drones Equipment

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 89 of the Telecommunications Bylaw.

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Scope

This document applies to Drones Equipment.

All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CITC.

Entry into force

This specification shall enter into force on 15/07/2019 G

Frequency of operation

The following table is showing information on frequency bands, maximum output power and applicable specifications:

Frequency band	Maximum Output Power	ETSI Standard
2400.0-2483.5 MHz	100 mW e.i.r.p. ¹	EN 300 328 EN 300 440
5725 - 5875 MHz	25 mW e.i.r.p.	EN 300 440

NOTES:

¹The maximum mean e.i.r.p density is limited to 10 mW/MHz.

*For drones operating in bands other than 2.4 GHz and 5 GHz, a frequency license must be obtained from CITC before the use.

Proof of compliance

It is required that test reports are obtained from a laboratory that has been accredited by a body that is a member of the ILAC Mutual Recognition Arrangement.

Technical requirements

Testing should be carried out to ensure compliance with the following specifications:

EN 300 328

Electromagnetic compatibility and Radio spectrum Matters (ERM) .- Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques - Harmonized EN covering essential requirements under Article 3(2) of the R&TTE directive.

EN 300 440-2

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short range devices - Radio equipment to be used in the 1 GHz to 40 GHz frequency range - Part 2: Harmonized EN covering essential requirements of Article 3(2) of the R&TTE directive.

EN 301 489-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

EN 301 489-17

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

If no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

General

In addition to meeting the above requirements, all equipment must comply with the requirements of CIRC specifications GEN001, be safe and must not adversely affect other electrical equipment.

Additional requirements

All drones must comply with this technical specification with regard to the radio interface, issues related to drones registration and customs clearance must be coordinate with GACA.

Obtaining technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI website www.etsi.org.

Document history

Description	Status	Data
	Issue 1	15/07/2019 G