

CST Technical Specification

Specification for Desert Attendees Radio Equipment “Barary”

Document Number: RI059
Revision: Issue 03
Date: October 2023

This technical specification is issued by The Communications, Space and Technology Commission in the Kingdom of Saudi Arabia in accordance with the provisions of the Communications and Information Technology Act issued by Royal Decree No. (M/106) dated 02/11/1443 AH and its bylaw, and the Commission’s regulation.

Communications, Space and Technology Commission (CST)
P.O Box 75606 – Riyadh 11588 – Kingdom of Saudi Arabia

Telephone: + 966 1 14618000
Fax: + 966 1 14618120
E-mail: info@cst.gov.sa
Website: www.cst.gov.sa

Document History Table

| Version | Issue Date | Description |
|---------|--------------|-------------|
| Issue 1 | January 2010 | |
| Issue 2 | July 2021 | |
| Issue 3 | October 2023 | |

Table of contents

| | |
|---------------------------------|---|
| 1- Scope..... | 4 |
| 2- Enforcement | 4 |
| 3- General Requirements..... | 5 |
| 4- Limits and conditions..... | 6 |
| 5- Licensing Requirements..... | 6 |
| 6- Additional Requirements..... | 6 |
| 7- References..... | 7 |

1- Scope

- 1-1 This specification applies to Desert Attendees Radio and ancillary equipment.

2- Enforcement

- 2-1 This specification shall enter into force on from issue date.
- 2-2 Any previous version of this technical specification is withdrawn.

3- General Requirements

- 3-1 All equipment must comply with the requirement of CST specification GEN001, be safe and must not adversely affect other electrical equipment.
- 3-2 All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CST. In addition, such equipment may be subject to regulations for Declaration of Conformity or registration. Please visit CST website for details.
- 3-3 If more than one interface type is offered by a piece of equipment, each interface must meet the applicable technical specifications.
- 3-4 Further information on the characteristics and presentation of network interfaces can be obtained by coordinating with the mobile network operators.
- 3-5 It is mandatory 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.

4- Limits and conditions

Testing should be carried out to ensure compliance with the listed specifications.

| Frequency band | Max Output Power or Magnetic Field | Usage | Standard | Comments |
|--|------------------------------------|-------------------------------------|-----------------------------|--|
| 137.0625 MHz; 137.2000 MHz; 137.6375 MHz; 137.6625 MHz; 137.7375 MHz | 25 W | Desert Attendees Radio equipment | EN 300 086 EN 301 489-15 | Mobile station |
| 137.0625 MHz; 137.2000 MHz; 137.6375 MHz; 137.6625 MHz; 137.7375 MHz | 50 W | Desert Attendees Radio equipment | EN 300 086 EN 301 489-15 | Land station with omnidirectional antenna with no more than 20m above ground; bandwidth of 12.5 kHz |

5- Licensing Requirements

No licensing requirements apply

6- Additional Requirements

- 6-1 Desert Attendees radio equipment are subject for device registration requirements.
- 6-2 A device license must be obtained before equipment of this type can be used in the Kingdom.

7- References

The following referenced documents are indispensable for the application of this document. If no issue or revision number is quoted along with the title of a technical specification or standard, the latest published version should be used.

ETSI EN 300 086-1

Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

ETSI 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

ETSI EN 301 489-15

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment