

Xingtel (Xiamen) Intelligent Control Technology Co.,Ltd

# SAR COMPLIANCE REPORT

**Report Type:**

FCC SAR assessment report

**Model:**

IGX-RC110

**REPORT NUMBER:**

230700726SHA-002

**ISSUE DATE:**

July 24, 2023

**DOCUMENT CONTROL NUMBER:**

TTRFFCCSAR-01\_V1 © 2018 Intertek



**Applicant:** Xingtel (Xiamen) Intelligent Control Technology Co.,Ltd  
Xingtel Building, Torch Industrial District, Xiamen 361006, P R China

**Manufacturer:** Xingtel (Xiamen) Intelligent Control Technology Co.,Ltd  
Xingtel Building, Torch Industrial District, Xiamen 361006, P R China

**Factory:** Xingtel (Xiamen) Intelligent Control Technology Co.,Ltd  
Xingtel Building, Torch Industrial District, Xiamen 361006, P R China

**FCC ID:** 2AWAX-REMOTE

**SUMMARY:**

The equipment complies with the requirements according to the following standard(s) or Specification:

447498 D04 Interim General RF Exposure Guidance v01

FCC Part2.1093, FCC Part1.1307(b)

**PREPARED BY:****REVIEWED BY:**

Justin Wu



Project Engineer

Justin Wu

Reviewer

Wakeyou Wang

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## Revision History

Report No.	Version	Description	Issued Date
230700726SHA-002	Rev. 01	Initial issue of report	July 24, 2023

## TEST REPORT

### 1 GENERAL INFORMATION

#### 1.1 Description of Equipment Under Test (EUT)

Product name:	Golf Cart Remotes
Type/Model:	IGX-RC110
Description of EUT:	EUT is a remote control with UWB function, and has only one model.
Rating:	DC 3.7V
EUT type:	<input checked="" type="checkbox"/> Table top <input type="checkbox"/> Floor standing
Software Version:	/
Hardware Version:	/
Sample received date:	July 18, 2023
Date of test:	July 18, 2023 ~ July 24, 2023

#### 1.2 Technical Specification

Channel frequency:	6489.6MHz
Operating frequency band:	6240MHz - 6739.2MHz
Antenna Information:	Integrated antenna
Channel number:	1

## TEST REPORT

### 1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

## TEST REPORT

## 2 SAR Assessment

Test result: Pass

### 2.1 SAR Test Exclusion Limit

This method shall only be used at separation distances up to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by Formula below:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

$f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20cm}$  is per Formula above.

The example values shown in below are for illustration only.

	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
Frequency (MHz)	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

## 2.2 Assessment Results

According to TCB Workshop November 2019 RF Exposure Policy Updates dated November 13, 2019, specifically slide 11.

Test exclusion based on 1 mW may be used now with the portable device  $f > 6\text{GHz}$  FCC MPE power density limits.

Maximum time-averaged conducted power irrespective of distance from the body.

Worst Case conducted peak power = -5.90 dBm

Result: The device is compliant with the Test Exclusion requirement of 1 mW.

\*\*\*\*\* END \*\*\*\*\*