

FCC TEST REPORT

FCC ID: 2AIEGS1PRO

Product : Alarm Clock Radio Speaker System

Model Name : S1pro

Brand : N/A

Report No. : PTC801186160622E-FC03

Prepared for

All Best Technology Limited
No.9, Yincheng 1st Rd., Xiabian Village, Chang'an Town,
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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : All Best Technology Limited
Address : No.9, Yincheng 1st Rd., Xiabian Village, Chang'an Town, Dongguan City, Guangdong Province, China
Manufacture's name : All Best Technology Limited
Address : No.9, Yincheng 1st Rd., Xiabian Village, Chang'an Town, Dongguan City, Guangdong Province, China
Product name : Alarm Clock Radio Speaker System
Model name : S1pro
Standards : FCC CFR47 Part 1.1307(b)(1)
Test procedure : KDB 447498 D01 General RF Exposure Guidance v05
Test Date : Jun.24. 2016 ~ Jul.14. 2016
Date of Issue : Jul.15. 2016
Test Result : Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of EUT

Product Name	:	Alarm Clock Radio Speaker System
Model Name	:	S1pro
Model Description	:	N/A
Bluetooth Version	:	V4.0
Operating frequency	:	2402-2480MHz, 79 channels
Max. RF output power	:	0.79dBm
Type of Modulation	:	GFSK, Pi/4 DQPSK, 8DPSK
Antenna installation:	:	PCB printed antenna
Antenna Gain:	:	0.79dBi
Power supply	:	AC 100-240V 50/60Hz 0.65A Max power by adapter
Adapter	:	Input AC 100-240V 50/60Hz 0.65A Max, Output 5V 3A

4 RF Exposure

Test Requirement : FCC Part 1.1307

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v05

4.1 Requirements

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, (mW)}}{\text{min. test separation distance, (mm)}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR where

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz
2. Power and distance are rounded to the nearest mW and mm before calculation
3. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

4.2 The procedures / limit

Conducted Peak power(dBm)	Conducted Peak power(mW)	Minimum test separation distance required for the exposure conditions (mm)	Calculation Value (Note 1)	SAR Test Exclusion Thresholds(mW)
0.79	1.1995	5	0.372	3
The turn up power is 0.79 \pm 1dBm.				
Remark: Max. duty factor is 100%				

Note 1 : Calculation Value = $\left[\frac{\text{max. power of channel, (mW)}}{\text{min. test separation distance, (mm)}} \right] \cdot [\sqrt{f(\text{GHz})}]$. Fox example: $1.1995/5 \cdot \sqrt{2.402} = 0.372 \leq 3.0$

Note 2: According to KDB447498 D01 V05, threshold at which no SAR required is ≤ 3.0 for 1-g SAR, separation distance is 5mm, and no simultaneous SAR measurement is required

*****THE END REPORT*****