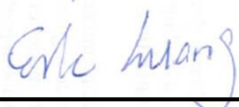


RF Exposure Evaluation Report

APPLICANT : Ailen LLC
EQUIPMENT : Wireless Remote
MODEL NAME : DU3560
FCC ID : S59-1214
STANDARD : 47 CFR Part 2.1093
FCC KDB 447498 D01 v05r01

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Eric Huang / Deputy Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

Table of Contents

REVISION HISTORY	3
1. ADMINISTRATION DATA	4
2.1 Testing Laboratory	4
2.2 Applicant	4
2. GENERAL INFORMATION	4
3.1 Description of Device Under Test (DUT)	4
3.2 Maximum RF output power among production units	5
3. CONDUCTED RF OUTPUT POWER (UNIT: DBM)	5
4. RF EXPOSURE EVALUATION	5

1. Administration Data

2.1 Testing Laboratory

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978

2.2 Applicant

Company Name	Ailen LLC
Address	P. O. Box 8125 Wilmington, DE 19803

2. General Information

3.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Wireless Remote
Model Name	DU3560
FCC ID	S59-1214
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth 2.1
Antenna Type	PIFA Antenna
DUT Stage	Production Unit

Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3.2 Maximum RF output power among production units

Mode / Band	Bluetooth		
	1Mbps	2Mbps	3Mbps
	(GFSK)	$\pi/4$ -DQPSK	(8-DPSK)
2.4GHz Bluetooth	4	4	4

3. Conducted RF Output Power (Unit: dBm)

<Bluetooth Conducted Power>

Channel	Frequency (MHz)	Average power (dBm)		
		Mode		
		GFSK	$\pi/4$ -DQPSK	8-DPSK
CH 0	2402	2.36	2.45	2.35
CH 39	2441	2.53	2.59	2.43
CH 78	2480	1.56	1.69	1.58

4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Test Distance (mm)	Frequency (GHz)	exclusion thresholds
4	2.51	5	2.48	0.79

Note:

- Per KDB 447498 D01v05r01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for}$$

1-g SAR and ≤ 7.5 for 10-g extremity SAR

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

Conclusion: According to KDB 447498 D01v05r01 exclusion thresholds is $0.79 < 7.5$, RF exposure evaluation is not required.