RF Exposure Evaluation Report

FCC ID	:	**LDKADPT2497**
Equipment	:	**Headset Wireless USB-A Adapter**
Brand Name	:	**CISCO**
Model Name	:	**HS-WL-ADPT-USBA**
Applicant	:	**Cisco Systems, Inc. 125 West Tasman Drive, San Jose, California 95134-1706, United States.**
Manufacturer	:	**Cisco Systems, Inc. 125 West Tasman Drive, San Jose, California 95134-1706, United States.**
Standard	:	**47 CFR Part 2.1093**

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full

Cona Huang

Approved by: Cona Huang / Deputy Manager

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Table of Contents

Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA1O2934	Rev. 01	Initial issue of report	Jan. 19, 2022

1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Headset Wireless USB-A Adapter
Brand Name	CISCO
Model Name	HS-WL-ADPT-USBA
FCC ID	LDKADPT2497
Wireless Technology and Frequency Range	Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	Bluetooth BR/EDR
Antenna Type	PCB Antenna
SW Version	1-3-12
DUT Stage	Identical Prototype

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

2. Maximum RF output power among production units

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			BR / EDR		
			1Mbps	2Mbps	3Mbps
Tune-up Limit			8.50	6.00	6.00

3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
8.5	7.08	5	2.48	2.23

Note:

1. Per KDB 447498 D01v06 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:

   [(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

   - f(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: Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.23 which is <= 3, SAR testing is not required.