

RF Exposure Report

Project Number: 4866869**Proposal: SUW-202201002154****Report Number: 4866869EMC06****Revision Level: 0****Client: EaseAlert, LLC****Equipment Under Test: 2.4GHz Transceiver Module****Model Number: E01****FCC ID: 2A4C4-E01****Applicable Standards: 47 C.F.R. §§ 2.1091 and 2.1093; FCC KDB 447498****FCC OET Bulletin 65 Supplement****Report issued on: 02 March 2022****Test Result: Compliant**

FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

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1 General Information

1.1 Client Information

Name: EaseAlert, LLC
Address: 1903 Sunrise Dr
City, State, Zip, Country: Fernandina Beach, FL 32034, USA

1.2 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.3 General Information of EUT

Product Description: 2.4GHz Transceiver Module
Model Number: E01
Serial Numbers: W121141S02723, W121141S06950, W121141S06659

Frequency Range: 2402 – 2480 MHz
Data Modes: GFSK – 250kbps
Antenna: External Dipole, 5dBi

Rated Voltage: 2.5 – 3.3Vdc
Test Voltage: 2.8Vdc

Sample Received Date: 07 January 2022
Dates of testing: 26– 27 January 2022

1.4 Operating Modes and Conditions

For this assessment, the EUT's maximum measured peak conducted power from the original certification was considered.

2 RF Exposure

2.1 Test Result

Test Description	Product Specific Standard	Test Result
RF Exposure	FCC Part 1.1310	Compliant

2.2 Test Method

Using the maximum measured peak conducted power, the power density was calculated. Maximum antenna gain was assumed for this exercise.

2.3 Single transmission RF Exposure Levels

Band of Operation		Conducted Power w/tolerance dBm	Antenna Gain	Cable Loss	Average EIRP		Distance (R) cm	Power Density EIRP _{avg} /(4 π R ²) mW/cm ²	FCC mW/cm ²	% of Limit	Verdict
Type	MHz				dBm	mW					
Bluetooth	2400-2483.5	9.8	5.0	0.0	14.8	30	20	0.006	1.00	1%	Pass

3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	29 March 2022