

RF Exposure Report

Project Number: 4741576**Offer Number:** 11807**Report Number:** 4741576EMC03**Report Revision:** 0**Client:** Cellular Tracking Technologies**Equipment Under Test:** Tracking Device**Model:** GPT-01**FCC ID:** 2AY2BGPT1**Applicable Standards:** 47 C.F.R. §§ 2.1091 and 2.1093; FCC KDB 447498

FCC KDB 447498 D01 General RF Exposure Guidance v06

Report Issued: 26 March 2021**Result:** Compliant

Tested by:


Brandon Osborn, Project Engineer

Reviewed by:


Jeremy Pickens, RF Lab Manager

Remarks: This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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TABLE OF CONTENTS

1	GENERAL INFORMATION	3
1.1	CLIENT INFORMATION	3
1.2	TEST LABORATORY	3
1.3	GENERAL INFORMATION OF EUT	3
1.4	OPERATING MODES AND CONDITIONS	3
2	RF EXPOSURE	4
2.1	TEST RESULT	4
2.2	TEST METHOD	4
2.3	SINGLE TRANSMISSION RF EXPOSURE LEVELS (MW/CM ²)	4
3	REVISION HISTORY	5

1 General Information

1.1 Client Information

Name: Cellular Tracking Technologies
Address: 1293 Hornet Road, Suite 1
City, State, Zip, Country: Rio Grande, NJ 08242, 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
CAB Identifier: US0186

1.3 General Information of EUT

Product Name: Wireless Tracking Device
Model Number: GPT-01
Serial Number: 07 Dec 2020 (Production Date)
Hardware Version: Production
Firmware Version: 114
FCC ID: 2AY2BGPT1

Rated Voltage: 3.0 VDC (CR2032)
Test Voltage: 3.0 VDC

Sample Received Date: 04 March 2021
Dates of testing: 08-09 March 2021

1.4 Operating Modes and Conditions

Manufacturer provided a sample that continuously transmits when battery is attached. Power level was set to -20dBm.

Other than the fundamental transmission frequency, the highest clock frequency less than 108MHz.

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 power (including tune-up tolerances), the power density was calculated. Maximum antenna gain was assumed for this exercise.

2.3 Single transmission RF Exposure Levels (mW/cm²)

Band of Operation Type	MHz	Conducted Power w/tolerance dBm	Antenna Gain	Cable Loss	Average EIRP dBm	mW	Distance (R) cm	Power Density EIRP _{Avg} /(4πR ²) mW/cm ²	FCC mW/cm ²	% of Limit	Verdict
15.231	433.95	-20.0	2.0	0.0	-18.01	0.01581	20	0.000003	0.2893	0.000011	Pass

3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	26 March 2021