Test Report

Prepared for: Sensys Networks, Inc.

Model: APCC-SPP

Description: Traffic Sensor System

Serial Number: 20151

FCC ID: TDB-FLEXSPP

To

FCC Part 1.1310

Date of Issue: June 13, 2017

On the behalf of the applicant:	**Sensys Networks, Inc.** **2560 Ninth St.** **Berkeley, CA 94710**
Attention of:	**Sebastian Lodahl, Compliance Manager** **Ph: (510)847-6189** **Email: slodahl@sensysnetworks.com**

Prepared By
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Alex Macon
Project Test Engineer

Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	June 1, 2017	Alex Macon	Original Document
2.0	June 12, 2017	Alex Macon	Updated 1.1310 report to show EIRP instead of conducted. This was a template error.

ILAC / A2LA

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The tests results contained within this test report all fall within our scope of accreditation, unless below

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Testing Certificate Number: **2152.01**

FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description
Model: APCC-SPP
Description: Traffic Sensor
Firmware: N/A
Software: N/A
S/N: 20151
Additional Information: None

Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Radiated Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
2480	4.25	100	4.25 mW

MPE Evaluation

This is a fixed device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)	0.3-1.234 MHz:	Limit [mW/cm²] = 100
	1.34-30 MHz:	Limit [mW/cm²] = $(180/f^2)$
	30-300 MHz:	Limit [mW/cm²] = 0.2
	300-1500 MHz:	Limit [mW/cm²] = f/1500
	1500-100,000 MHz	Limit [mW/cm²] = 1.0

Test Data

Test Frequency, MHz	2480
Power, EIRP, mW (P)	4.25
Antenna Type	patch
Distance (R)	20 cm

$$S = \frac{P * G}{4\pi r^2}$$
Power Density (S) mw/cm²

Power Density (S) =0.0008
Limit =(from above table) = 1.0

END OF TEST REPORT