

RF Exposure Report

Project Number: 4127074

Report Number: 4127074EMC01 **Revision Level:** 0

Client: VideoMining Corporation

Equipment Under Test: IP Camera w/BLE

Model: OMNISENSR_V2

FCC ID: 2ALT7-OMNISENR-V2

Applicable Standards: 47 C.F.R. §§ 2.1091 and 2.1093; FCC KDB 447498

FCC OET Bulletin 65 Supplement

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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1 General Information

1.1 Client Information

Name: VideoMining Corporation
Address: 403 South Allen Street
Suite 101
City, State, Zip, Country: State College, PA 16801, 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

EUT: IP Camera
Model Number: OMNISENSR_V2
Serial Number: Not Labeled

Frequency Range: 2402-2480 MHz
Channels: 40
Data Modes: Bluetooth Low Energy

Antenna: 2dBi Detachable Monopole Antenna (Reverse SMA)

Rated Voltage: 48Vdc Supplied by PoE Supply

Sample Received Date: 28 March 2017
Dates of testing: 21 – 24 April 2017

1.4 Operating Modes and Conditions

For this assessment, the EUT's maximum measured radiated power 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 conducted power, the power density was calculated.

2.3 Single transmission RF Exposure Levels

Type	Band of Operation MHz	Conducted Power w/tolerance dBm	Antenna Gain	Cable Loss	Average EIRP		Distance (R) cm	Power Density EIRP _{Avg} (4πR ²) mW/cm ²	FCC mW/cm ²	% of Limit	Verdict
					dBm	mW					
WLAN 2.4 (Module 1)	2400-2483.5	16.0	2.0	0.0	18.0	63	20	0.013	1.00	1%	Pass
WLAN 2.4 (Module 2)	2400-2483.5	16.0	2.0	0.0	18.0	63	20	0.013	1.00	1%	Pass
WLAN 2.4 (Module 3)	2400-2483.5	16.0	2.0	0.0	18.0	63	20	0.013	1.00	1%	Pass
Bluetooth	2400-2483.5	5.2	2.0	0.0	7.2	5	20	0.001	1.00	0%	Pass

Note: Bluetooth conducted power was derived from the radiated power minus the 2dBi antenna implemented. Power density calculations for the WLAN modules were the worst-case calculations from the certification filing for FCC ID: 2AATNTOP-MS04.

2.4 Simultaneous transmission RF Exposure Levels

With all modules transmitting simultaneously, the summed percentage of the limit is <4% of the FCC limit.