Compliance Testing, LLC
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EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: ICOMS Detections SA

Model: TMA

Description: TMA Radar Sensor

Serial Number: 1702016

FCC ID: TRQ-TMA

To

FCC Part 1.1310

Date of Issue: August 15, 2018

On the behalf of the applicant:	**ICOMS Detections SA** **Avenue Albert Einstein, 11/B** **1348 Louvain-la-Neuve** **Belgium**
Attention of:	**André van den Bogaert** **Ph: +32 10 45 41 02** **Email: a.vandenbogaert@icomsdetections.com**

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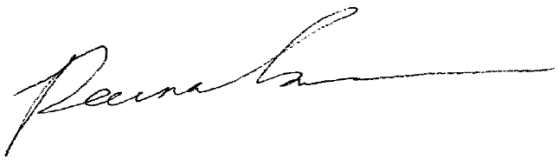

Poona Saber
Project Test Engineer

Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	November 13, 2017	Poona Saber	Original Document

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

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: TMA
Description: TMA Radar Sensor
Firmware: N/A
Software: N/A
Serial Number: N/A
Additional Information: Antenna gain is 10.47 dBm and the maximum clock/ processor is 120 MHz. Device is 12V DC power operated. It's using FMCW (frequency modulation with a continuous wave) modulation technique. For testing purposes the sweeping function is stopped and device is put on Low, Mid and High channels. Peak measurements of the signal is made with CW signal and it is compared with the limits from 15.245.

EUT Operation during Tests
Normal

MPE Evaluation

This is a Mobile device used in Uncontrolled Exposure environment.

Limits Controlled Exposure 47 CFR 1.1310 Table 1, (A)		
	0.3-3.0 MHz:	Limit [mW/cm²] = 100
	3.0-30 MHz:	Limit [mW/cm²] = (900/f²)
	30-300 MHz:	Limit [mW/cm²] = 1.0
	300-1500 MHz:	Limit [mW/cm²] = f/300
	1500-100,000 MHz	Limit [mW/cm²] = 5

Test Data

Test Frequency, MHz	24156
Power, Conducted, mW (P)	3
Antenna Gain Isotropic	10.47 dBi
Antenna Gain Numeric (G)	11.14
Antenna Type	Internal
Distance (R)	20 cm

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

Power Density (S) = 0.0066
Limit = (from above table) = 1

END OF TEST REPORT