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ENGINEERING TEST SUMMARY REPORT – 398605-2TRFEMC

Applicant:
9013733 CANADA Inc. (9CI)

Product:
Broadband RF meter

Model:
Safe and Sound Pro II

Specifications:

- Field strength measurements in a radiated test configuration using the signal (antenna) substitution techniques

Date of issue: August 27, 2020

Fahar Abdul Sukkoor, EMC/RF Specialist	
Tested by	Signature
Mark Libbrecht, EMC/RF Specialist	
Reviewed by	Signature

Lab locations

Company name	Nemko Canada Inc.			
Facilities	Ottawa site: 303 River Road Ottawa, Ontario Canada K1V 1H2 Tel: +1 613 737 9680 Fax: +1 613 737 9691	Montréal site: 292 Labrosse Avenue Pointe-Claire, Québec Canada H9R 5L8 Tel: +1 514 694 2684 Fax: +1 514 694 3528	**Cambridge site:** **1-130 Saltsman Drive** **Cambridge, Ontario** **Canada** **N3E 0B2** **Tel: +1 519 650 4811**	Almonte site: 1500 Peter Robinson Road West Carleton, Ontario Canada K0A 1L0 Tel: +1 613 256-9117 Fax: +1 613 256-8848
Test site registration	**Organization**	**Recognition numbers and location**		
	FCC/ISED	FCC: CA2040; IC: 2040A-4 (Ottawa/Almonte); FCC: CA2041; IC: 2040G-5 (Montreal); **CA0101 (Cambridge)**		
Website	www.nemko.com			

Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.
This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contained in this report are within Nemko Canada's ISO/IEC 17025 accreditation.

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Section 1 Information provided by the applicant

1.1 Disclaimer

This section contains information provided by the applicant and has been utilized to support the test plan. Inaccurate information provided by the applicant can affect the validity of the results contained within this test report. Nemko accepts no responsibility for the information contained within this section and the impact it may have on the test plan and resulting measurements.

1.2 Applicant/Manufacture

Applicant name	9013733 CANADA Inc. (9CI)
Applicant address	Cambridge ON N1R 4N5
Manufacture name	Same as applicant
Manufacture address	Same as applicant

1.3 EUT information

Product	Broadband RF meter
Model	Safe and Sound Pro II
Serial number	None
Part number	None
Power requirements	Battery in nominal range as indicated by meter
Description/theory of operation	Meter measures the instantaneous peak flux density of all bands in its measurement range. Peak and Max (Peak Hold) flux density is displayed. Average flux density is calculated and displayed.

Section 2 Testing data

2.1 Frequency Response Measurements

2.1.1 References and limits

– ANSI C 63.10-2013

2.1.2 Test summary

Tested by	Fahar Abdul Sukkoor	Test date	May 6, 2020

2.1.3 Setup details

Port under test	Enclosure Port
EUT power input during test	Battery in nominal range as indicated by meter
EUT setup configuration	Table top
Test facility	Semi anechoic chamber
Measuring distance	3 m
Measurement details	Signal generator level is determined for each frequency to produce reference field strength by having reference antenna measured using spectrum analyzer. After reference antenna is replaced by EUT and repeated with same signal generator levels for each frequency and EUT readings are noted for each frequency.
Baseband signal type	100 Hz, 50% duty cycle square wave modulation (10 ms period, 5 ms duty cycle)

2.1.5 Test data continued

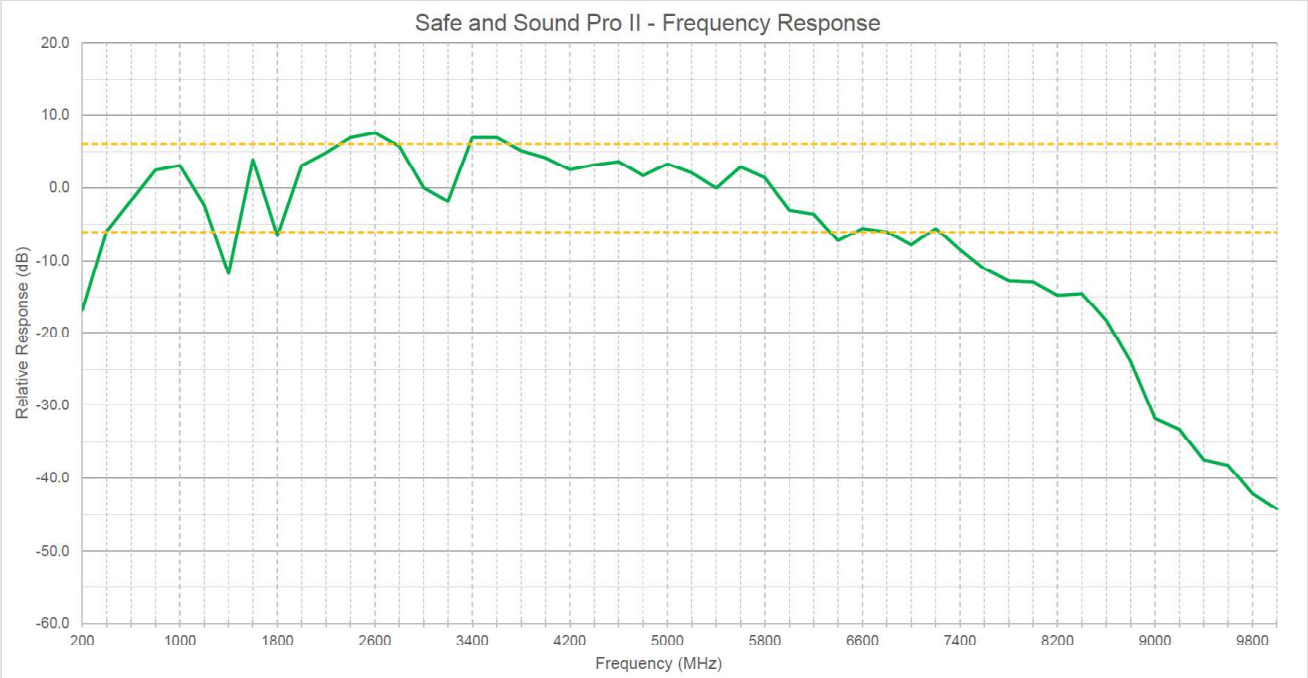

Figure 2.1-1: *Frequency response plot*