Choose Scandinavian trust

RADIO TEST REPORT

Report ID
REP157377

Project ID
PRJ0088090

Type of assessment:
MPE Calculation report

Manufacturer:
Geotab Inc.

Product Marketing Name (PMN):
GO Anywhere Plus

Hardware Version Identification Number (HVIN):
GATAA2

Contains FCC ID:
2AV57GATAA2, XMR2023EG916QGL

Specification:

- FCC 47 CFR Part 1 Subpart I, §1.1307, §1.1310
- FCC 47 CFR Part 2 Subpart J, §2.1091
- FCC KDB 447498 D01 General RF Exposure Guidance v06

Date of issue: March 27, 2026

Alvin Liu, EMC/RF Specialist
Prepared by

Signature

Lab locations

Company name	Nemko Canada Inc.
Facilities	**Ottawa site:** 303 River Road, Ottawa, ON, Canada, K1V 1H2 Tel: +1 613 737 9680 Test site registration number: CA2040 **Montréal site:** 292 Labrosse Avenue, Pointe-Claire, QC, Canada, H9R 5L8 Tel: +1 514 694 2684 Test site registration number: CA2041 **Cambridge site:** 1-130 Saltsman Drive, Cambridge, ON, Canada, N3E 0B2 Tel: +1 519 650 4811 Test site registration number: CA0101
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.

Copyright notification

Table of Contents

Section 1 Evaluation summary

1.1 MPE calculation for simultaneous transmission

1.1.1 References, definitions and limits

FCC §2.1091(d)

(2) (2) For operations within the frequency range of 300 kHz and 6 GHz (inclusive), the limits for maximum permissible exposure (MPE), derived from whole-body SAR limits and listed in Table 1 in paragraph (e)(1) of this section, may be used instead of whole-body SAR limits as set forth in paragraphs (a) through (c) of this section to evaluate the environmental impact of human exposure to RF radiation as specified in §1.1307(b) of this part, except for portable devices as defined in §2.1093 of this chapter as these evaluations shall be performed according to the SAR provisions in §2.1093.

Table 1.1-1: *Table 1 to §1.1310(e)(1) — Limits for Maximum Permissible Exposure (MPE)*

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842 / f	4.89 / f	*(900 / f^2)	<6
30–300	61.4	0.163	1.0	<6
300–1500			f / 300	<6
1500–100000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	<30
1.34–30	824 / f	2.19 / f	*(180 / f^2)	<30
30–300	27.5	0.073	0.2	<30
300–1500			f / 1500	<30
1500–100000			1.0	<30

Notes: f = frequency in MHz. * = Plane-wave equivalent power density.

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density (mW/cm^2 or W/m^2)
P = power input to the antenna (mW or W)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (cm or m)

1.1.2 EUT technical information

	Transmitter 1 (LTE)	Transmitter 2 (BLE)
Prediction frequency	1710 MHz	2402 MHz
Antenna type	LDS antenna	LDS antenna
Antenna gain	4.0 dBi	2.7 dBi
Maximum transmitter conducted power	25.0 dBm	9.5 dBm
Prediction distance (declared)	20 cm	20 cm

1.1.3 MPE calculation

	Transmitter 1		Transmitter 2	
Fundamental transmit (prediction) frequency:	1710	MHz	2402	MHz
Maximum measured conducted peak output power:	25	dBm	9.5	dBm
Cable and/or jumper loss:	0	dB	0	dB
Maximum peak power at antenna input terminal:	25	dBm	9.5	dBm
Duty cycle:	100	%	100	%
Maximum calculated average power at antenna input terminal:	316.227766	mW	8.91250938	mW
Single Antenna gain (typical):	4.0	dBi	2.7	dBi
Number of antennae:	1		1	
Total system gain:	4.0	dBi	2.7	dBi
	FCC limit		**FCC limit**	
MPE limit for uncontrolled exposure at prediction frequency:	**1.00000**	**mW/cm²**	**1.00000**	**mW/cm²**
	10.000000	W/m²	10.000000	W/m²
MPE limit for controlled exposure at prediction frequency:	**5.00000**	**mW/cm²**	**5.00000**	**mW/cm²**
	50.00000	W/m²	50.00000	W/m²
Minimum calculated prediction distance for compliance:	20	cm	20	cm
Typical (declared) distance:	20	cm	20	cm
Average power density at prediction frequency:	**0.158027**	**mW/cm²**	**0.003302**	**mW/cm²**
	1.580266	W/m²	0.033016	W/m²
MPE compliance for simultaneous operation:				
Margin of Compliance for controlled environment:	**15.00**	**dB**	**31.80**	**dB**
with Maximum permitted antenna gain:	19.00	dBi	34.50	dBi
Margin of Compliance for uncontrolled environment:	**8.01**	**dB**	**24.81**	**dB**
with Maximum permitted antenna gain:	12.01	dBi	27.51	dBi
Average power density to MPE limit ratio (uncontrolled):	0.158		0.003	
Average power density to MPE limit ratio (controlled):	0.032		0.001	
Total sum of ratios for FCC (uncontrolled):	0.000	<1	Total sum of ratios for FCC (controlled):	0.000 <1
Maximum allowed sum of ratios:	**1**			

1.1.4 Verdict

The calculation is below the limit; therefore, the product is passing the RF Exposure requirements for the declared distance.

End of the test report