RF Exposure Test Exclusion Exhibit

NRU 1C™, Model Tested: NRU 1C™

FCC ID: 2AM2Z-NRU1C5I4X5

Geophysical Technology Inc.

MPE Test Exclusion, FCC §1.1310

Requirements (Limits): **1 mW/cm^2**

Evaluation Results: **Complies**

Details: The maximum permissible exposure (MPE) is predicted by using the following equation:

$$S = PG/4\pi R^2$$

where: S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
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 (appropriate units, e.g., cm)

For: P = 0.94 mW (from Intertek test report 104293906MPK-020), G = 2.1 dBi (1.62), and R = 20 cm,

S = 0.94*1.62 / (4 x π x 20^2) = **0.0003 mW/cm^2**

No duty cycle was considered.

SAR Test Exclusion

Requirements:

FCC KDB 447498 D01 v06, §4.3.1 a)

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR

Evaluation Results: **Complies**

Details:

max. power = 0.94 mW (from Intertek test report 104293906MPK-020)
min. test separation distance = 5 mm
f = 2.48 GHz

[0.94 mW / 5 mm] · [√2.48 GHz] = 0.296 ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR

No duty cycle was considered.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.