



UltraTech

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**Ultratech's
Accreditations:**



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 Industry Canada
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March 1, 2011

Federal Communication Commission

Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Subject: FCC Certification Application under FCC Part 15, Subpart F, Section 15.509 – Technical Requirements for Ground Penetrating Radar and Wall Imaging Systems

Applicant: Sensors & Software Inc.
Product: Noggin Gold 500
Model: NG500
FCC ID: QJQ-NG500

Dear Sir/Madam,

As appointed agent for **Sensors & Software Inc.**, we would like to submit the application to the Federal Communications Commission for certification of the above product. Please review all necessary files uploaded to FCC OET site for detailed information.

Note: Ground penetrating radars (GPRs) and wall imaging systems shall be tested under conditions that are representative of actual operating conditions; i.e. shall be tested with the transducer at an operationally representative height above a twenty-inch thick bed of dry sand. We tried to test the DUT with above suggested method in our 10 meter OATS but found very high level of ambient noise signals in the freq range of 30 MHz to 2.5 GHz hence were unable to complete our measurements. As an alternative we choose to test it in a semi-anechoic chamber as an alternate test method described in Section 5 of Annex of Industry Canada RSS-220, Issue 1. Please note that other than this alternate method we have followed all FCC guidelines as stated in Appendix F of FCC 02-48, Sec 15.521 and KDB# 393764 for performing measurements.

If you have any queries, please do not hesitate to contact us.

Yours truly,

Dharmajit Solanki

Dharmajit Solanki
Authorized Agent