EME PRODUCT/ SERVICE ASSESSMENT REPORT

MINISAT INTERIM PUBLIC SWITCHED TELEPHONE SERVICE LARGE ANTENNA

Product or Service Image

Assessment of RF EME Levels

Introduction:

The Australian Radiation Protection And Nuclear Safety Agency (ARPANSA) has produced a standard for exposure to RF transmissions – ARPANSA Radiation Protection Standard 2002 Maximum Exposure Levels to Radio Frequency Fields – 3 kHz to 300 GHz

The Australian Communications Authority (ACA) has a Licence Condition Determination (LCD) that requires that the general public is not exposed to RF transmission levels exceeding the general public limits specified in the ARPANSA Standard.

Compliance with the Occupational Health & Safety Act 1991 requires that the limits and requirements of the ARPANSA standard are complied with.

Assessment of RF EME levels

Measured assessment

The Telstra Minisat Interim Public Switched Telephone Service – large antenna was measured on the 5/9/03 at the Telstra Research Laboratories, Clayton, Victoria.

The Occupational EME limit as specified in the ARPANSA Radiation Protection Standard, was not reached in any area of the antenna.

The General Public EME limit as specified in the ARPANSA Radiation Protection Standard, was not reached in areas in front of, to the sides of & to the rear of the antenna.

The maximum RF EME level measured was 0.4mW/cm² at a distance of 350mm front the front of the antenna. The RF EME level did not increase within 350mm of the antenna.

All makes/models of the equipment under test & the survey equipment calibration details used is recorded in Radhaz Consulting Pty Ltd number 00097-01.

Additional Notes

Access to the area in front of the antenna is not required to be restricted as a result of EME levels however access within ~2m of the front of the antenna may disrupt the radio transmission.

Product / Service Assessment Certification:

This Product/service has been assessed to the limits & requirements of the ARPANSA Standard "*Maximum Exposure levels to radio frequency Fields 3 KHz to 300 GHz*"

Qualified NATA EME Signatory:

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Signature:

Company: RADHAZ Consulting Pty Ltd
Designation: Principal EME Consultant

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