

Applicant Name: Remote MDX

Applicant Address: 150 West Civic Centre Drive
Suite 400
Sandy, Utah
84070



Project Number: RMDB-OTD-5241

Test/Analysis Date: 26th and 27th July 2006

DUT Type	Cellular 850 and PCS
Antenna Type	Internal
Project Name	Offender Tracking Device
Received Status	Pre Production Model
DUT Serial Number	DUT-3
FCC ID	TPO-OTD300-0
Experimental/Compliance	Compliance Class 2 Permissive
Tx Frequency	824-849MHz Cellular 850 1850-1910MHz PCS
Max Tx Power	32.5 dBm Cellular GSM 29.5 dBm PCS
Conservative Averaged SAR (RF Exposure)	1.022 W/kg Cellular GSM 0.497W/kg PCS

We the undersigned of APREL Laboratories, located at 51 Spectrum Way, Ottawa, Ontario, Canada, K2R-1E6, on the date indicated attest that the Device Under Test as detailed within this test report has been tested and found to be compliant with the Uncontrolled Environment RF exposure rules and regulations as defined by the methodologies, procedures, and standards as described in this document.

APREL Laboratories is an ISO 17025 accredited facility registered under Standards Council Canada lab 48.

Art Brennan, Date
Certification Administration

Stuart Nicol, Date
Director Product Development

Dr Jacek J. Wojcik, Date
P. Engineer



6.5 SAR Measurement Results

Remote MDX OTD Cellular 850



Power	32.5dBm
DUT Position	Back
Separation	0mm
Antenna Type	Internal
Antenna Manufacturer	Universe
Antenna Location	LHS
Power Mode	Battery
Tx Frequency	824-849MHz
Duty Cycle	8
Epsilon	52.20
Sigma	0.97
Tissue Depth	15cm
Phantom Type	Universal
DUT Workstation Location	Centre
Device Positioner	HESET1
Test Date	27-07-2006
Test Engineer	Stuart Nicol

Mode	Separation Distance (mm)	Channel	Frequency MHz	1g SAR W/kg
C850	0	128	824	0.346
C850	0	190	837.4	0.281
C850	0	251	849	0.251

SAR Limit	Conservative Measured SAR
1.6 W/kg 1gram Average Maximum	0.346 W/kg 1gram Average

SAR Plot for Conservative SAR Included in Appendix A.

Remote MDX OTD Cellular 850



Power	32.5dBm
DUT Position	Front
Separation	0mm
Antenna Type	Internal
Antenna Manufacturer	Universe
Antenna Location	LHS
Power Mode	Battery
Tx Frequency	824-849MHz
Duty Cycle	8
Epsilon	52.20
Sigma	0.97
Tissue Depth	15cm
Phantom Type	Universal
DUT Workstation Location	Centre
Device Positioner	HESET1
Test Date	27-07-2006
Test Engineer	Stuart Nicol

Mode	Separation Distance (mm)	Channel	Frequency MHz	1g SAR W/kg
C850	0	128	824	1.022
C850	0	190	837.4	0.874
C850	0	251	849	0.563

SAR Limit	Conservative Measured SAR
1.6 W/kg 1gram Average Maximum	1.022 W/kg 1gram Average

SAR Plot for Conservative SAR Included in Appendix A.

Remote MDX OTD PCS



Power	29.5 dBm
DUT Position	Back
Separation	0mm
Antenna Type	Internal
Antenna Manufacturer	Universe
Antenna Location	LHS
Power Mode	Battery
Tx Frequency	1850-1910MHz
Duty Cycle	8
Epsilon	52.13
Sigma	1.53
Tissue Depth	10cm
Phantom Type	Universal
DUT Workstation Location	Centre
Device Positioner	HESET1
Test Date	26-07-2006
Test Engineer	Stuart Nicol

Mode	Separation Distance (mm)	Channel	Frequency MHz	1g SAR W/kg
PCS	0	512	1850.2	0.170
PCS	0	661	1880	0.181
PCS	0	810	1909.8	0.185

SAR Limit	Conservative Measured SAR
1.6 W/kg 1gram Average Maximum	0.185 W/kg 1gram Average

SAR Plot for Conservative SAR Included in Appendix A.

Remote MDX OTD PCS



Power	29.5 dBm
DUT Position	Back
Separation	0mm
Antenna Type	Internal
Antenna Manufacturer	Universe
Antenna Location	LHS
Power Mode	Battery
Tx Frequency	1850-1910MHz
Duty Cycle	8
Epsilon	52.13
Sigma	1.53
Tissue Depth	10cm
Phantom Type	Universal
DUT Workstation Location	Centre
Device Positioner	HESET1
Test Date	26-07-2006
Test Engineer	Stuart Nicol

Mode	Separation Distance (mm)	Channel	Frequency MHz	1g SAR W/kg
PCS	0	512	1850.2	0.497
PCS	0	661	1880	0.453
PCS	0	810	1909.8	0.373

SAR Limit	Conservative Measured SAR
1.6 W/kg 1gram Average Maximum	0.497 W/kg 1gram Average

SAR Plot for Conservative SAR Included in Appendix A.