



Efficiency Test Report

Efficiency data for :	C:\NSI2000\Data\Novatel\ExtGSM1900\1Red Dot Out of Laptop\I_GSMextended1900 Card B 1Red 09_20_01.nsi
Title:	Extended GSM 1900 PC card B with antenna (single red point) out of laptop.
Data collected on:	9/20/2001 15:18
Data processed on :	9/20/2001 15:21
Operator:	Scott Note: Feed cable changed to semi-rigid
S11 Data file:	C:\NSI2000\Data\Novatel\ExtGSM1900\1Red Dot Out of Laptop\GSMextended1900 Card B 1Red 09_20_01_S11.csv
Efficiency Cal. file:	C:\NSI2000\Script\OtherBands\ExtGSM Scripts\GSM1900\ExtGsm1900EffCal.csv 9/20/01 8:13:32 AM
Eff. Software version:	Version 6.3, Sept 17,2001
NSI Version:	3.0.0.44
MRE:	10
NF Data Spacing:	Theta: 5.00 Phi: 5.00Theta Span: 180.0, Phi Span: 360.0

Beam Number	Frequency (GHz)	Directivity (Full Sphere)	Gain (Full Sphere)	S11	Ant. Efficiency	Match Efficiency	Overall efficiency
1	1.850	5.65	3.73	-15.04	64.30%	96.87%	62.29%
2	1.880	5.45	3.67	-15.48	66.33%	97.17%	64.45%
3	1.910	5.37	3.54	-15.63	65.67%	97.27%	63.87%
4	1.930	5.28	3.39	-16.11	64.77%	97.55%	63.19%
5	1.960	5.28	3.26	-16.81	62.81%	97.92%	61.50%
6	1.990	5.23	3.26	-16.67	63.48%	97.84%	62.11%