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October 29, 2002

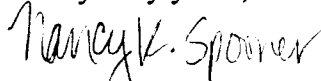
Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W., Room 204 B
Washington, D.C. 20554

**Re: MDS America, Incorporated
Further Supplement to Application for Modified Radio Station
under Part 5 of FCC Rules, Experimental Radio Service
Call Sign WC2XPU, FCC File No. 0005-EX-ML-2002**

Dear Ms. Dortch:

MDS America, Incorporated ("MDS America") hereby provides additional, supplementary information for the above-referenced application. Enclosed are digitized versions of the antenna pattern (horizontal polarization) previously provided to the Commission as part of this application. Exhibit A shows a three-dimensional view of the antenna pattern, from three different angles. The other three attachments provide the supporting data for this depiction of the pattern. Exhibit B lists the data for the horizontal plane, and Exhibit C lists the data for the vertical plane. Exhibit D contains the data for all azimuth and elevation angles with one degree resolution. This last exhibit is only being provided as an electronic amendment to the application, as a printed copy would be over 1100 pages long. A paper copy can be provided to the Commission upon request. This information has already been provided to staff via e-mail and is hereby formally provided as a supplement to the pending application. Please direct any questions regarding this information to the undersigned.

Very truly yours,

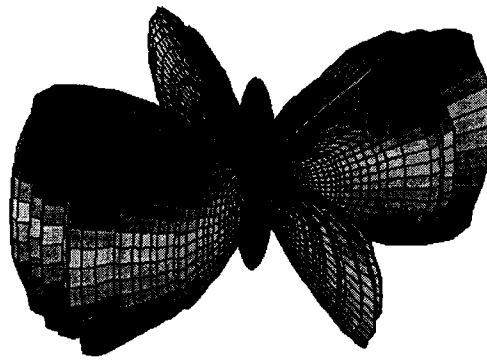

Nancy K. Spooner

Enclosure

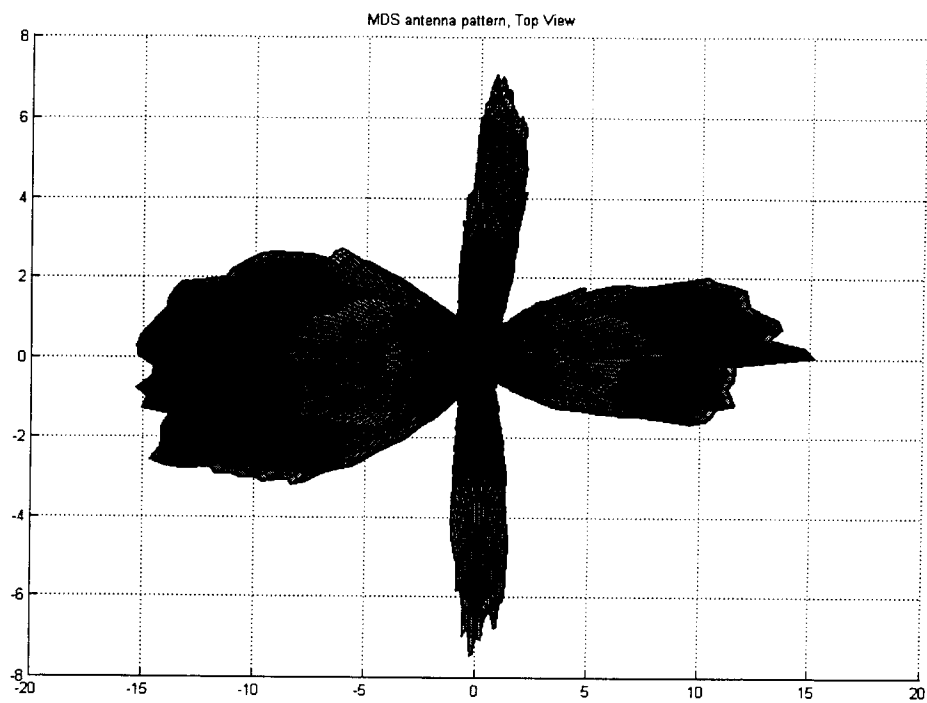
Exhibit A

MDS America, Incorporated
Omnidirectional Antenna, Digitized, Three Dimensional Image
Showing Horizontal Polarization
10-13 GHz Band

MDS 3D antenna pattern



MDS America, Incorporated
Omnidirectional Antenna, Digitized, Three Dimensional Image
Showing Horizontal Polarization
10-13 GHz Band



MDS America, Incorporated
Omnidirectional Antenna, Digitized, Three Dimensional Image
Showing Horizontal Polarization
10-13 GHz Band

MDS 3D antenna pattern



Exhibit B

MDS_HH_Horiz_abs.txt

-1.8000000e+002	1.1822310e+001
-1.7900000e+002	1.1625094e+001
-1.7800000e+002	1.1654002e+001
-1.7700000e+002	1.1854181e+001
-1.7600000e+002	1.1720925e+001
-1.7500000e+002	1.1794688e+001
-1.7400000e+002	1.1433956e+001
-1.7300000e+002	1.1544089e+001
-1.7200000e+002	1.1564610e+001
-1.7100000e+002	1.1583714e+001
-1.7000000e+002	1.1743047e+001
-1.6900000e+002	1.1559496e+001
-1.6800000e+002	1.1309526e+001
-1.6700000e+002	1.0904058e+001
-1.6600000e+002	1.0843476e+001
-1.6500000e+002	1.0567042e+001
-1.6400000e+002	1.0424695e+001
-1.6300000e+002	1.0163897e+001
-1.6200000e+002	1.0067058e+001
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-1.5900000e+002	9.5222286e+000
-1.5800000e+002	9.2482311e+000
-1.5700000e+002	8.7057449e+000
-1.5600000e+002	8.4270179e+000
-1.5500000e+002	8.2041625e+000
-1.5400000e+002	7.9752975e+000
-1.5300000e+002	7.5841663e+000
-1.5200000e+002	7.0833995e+000
-1.5100000e+002	6.7489936e+000
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-1.4600000e+002	5.0317503e+000
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-1.4300000e+002	4.2701829e+000
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-1.3800000e+002	3.0715746e+000
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-1.3600000e+002	2.6157223e+000
-1.3500000e+002	2.4142576e+000
-1.3400000e+002	2.1261031e+000
-1.3300000e+002	1.6280738e+000
-1.3200000e+002	1.5767682e+000
-1.3100000e+002	1.6627358e+000
-1.3000000e+002	1.5601796e+000
-1.2900000e+002	1.4283562e+000

MDS_HH_Horiz_abs.txt

-1.2800000e+002	1.6504836e+000
-1.2700000e+002	1.7053191e+000
-1.2600000e+002	1.7856214e+000
-1.2500000e+002	1.8022927e+000
-1.2400000e+002	2.0756929e+000
-1.2300000e+002	2.1631225e+000
-1.2200000e+002	2.2986922e+000
-1.2100000e+002	2.7632413e+000
-1.2000000e+002	2.8730946e+000
-1.1900000e+002	3.1034406e+000
-1.1800000e+002	3.1397822e+000
-1.1700000e+002	3.2101969e+000
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-1.0000000e+002	7.1607492e+000
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-9.4000000e+001	8.3646064e+000
-9.3000000e+001	8.3092979e+000
-9.2000000e+001	8.7273904e+000
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-7.9000000e+001	7.9222471e+000
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MDS_HH_Horiz_abs.txt

-7.6000000e+001	7.3962020e+000
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-7.4000000e+001	7.0253126e+000
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7.7000000e+001	8.0695764e+000
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7.9000000e+001	8.3298008e+000

MDS_HH_Horiz_abs.txt

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8.4000000e+001	8.5047308e+000
8.5000000e+001	8.4168000e+000
8.6000000e+001	8.2822777e+000
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8.8000000e+001	8.0295109e+000
8.9000000e+001	7.7818727e+000
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1.0500000e+002	4.7359352e+000
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1.0900000e+002	4.2987918e+000
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1.1100000e+002	3.9636785e+000
1.1200000e+002	3.8733808e+000
1.1300000e+002	3.6591118e+000
1.1400000e+002	3.5091438e+000
1.1500000e+002	3.3114914e+000
1.1600000e+002	3.1561582e+000
1.1700000e+002	2.9901840e+000
1.1800000e+002	2.7673577e+000
1.1900000e+002	2.6218342e+000
1.2000000e+002	2.6691474e+000
1.2100000e+002	2.5448772e+000
1.2200000e+002	2.3283460e+000
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1.2400000e+002	2.2601812e+000
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1.2700000e+002	1.7401869e+000
1.2800000e+002	1.7986357e+000
1.2900000e+002	1.8101577e+000
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1.3100000e+002	1.6913683e+000

MDS_HH_Horiz_abs.txt

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1.3700000e+002	2.1694911e+000
1.3800000e+002	2.0589757e+000
1.3900000e+002	2.4656389e+000
1.4000000e+002	2.7076316e+000
1.4100000e+002	2.9977222e+000
1.4200000e+002	3.1612039e+000
1.4300000e+002	3.3036068e+000
1.4400000e+002	3.7187371e+000
1.4500000e+002	3.8622599e+000
1.4600000e+002	4.2795460e+000
1.4700000e+002	4.6845417e+000
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1.5400000e+002	7.3391523e+000
1.5500000e+002	7.5854694e+000
1.5600000e+002	8.2665626e+000
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1.5800000e+002	8.4660200e+000
1.5900000e+002	8.4868561e+000
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1.6100000e+002	8.9890722e+000
1.6200000e+002	9.2432148e+000
1.6300000e+002	9.5180006e+000
1.6400000e+002	9.8096980e+000
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1.6600000e+002	1.0153978e+001
1.6700000e+002	1.0288130e+001
1.6800000e+002	1.0419803e+001
1.6900000e+002	1.0542599e+001
1.7000000e+002	1.0604674e+001
1.7100000e+002	1.0898679e+001
1.7200000e+002	1.1275317e+001
1.7300000e+002	1.1376880e+001
1.7400000e+002	1.1451103e+001
1.7500000e+002	1.1464247e+001
1.7600000e+002	1.1576240e+001
1.7700000e+002	1.1684920e+001
1.7800000e+002	1.1793704e+001
1.7900000e+002	1.1843042e+001
1.8000000e+002	1.1822310e+001

Exhibit C

MDS_HH_Verti_abs.txt

0.0000000e+000	1.0050000e+000
1.0000000e+000	1.0069333e+000
2.0000000e+000	1.0088666e+000
3.0000000e+000	1.0107999e+000
4.0000000e+000	1.0127331e+000
5.0000000e+000	1.0146664e+000
6.0000000e+000	1.0165997e+000
7.0000000e+000	1.0213569e+000
8.0000000e+000	1.0282907e+000
9.0000000e+000	1.0352245e+000
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1.2000000e+001	1.0560258e+000
1.3000000e+001	1.0629596e+000
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1.5000000e+001	1.0734648e+000
1.6000000e+001	1.0779068e+000
1.7000000e+001	1.0823488e+000
1.8000000e+001	1.0867907e+000
1.9000000e+001	1.0912327e+000
2.0000000e+001	1.0956746e+000
2.1000000e+001	1.1001166e+000
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2.5000000e+001	1.1178844e+000
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2.7000000e+001	1.1267683e+000
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3.0000000e+001	1.1400942e+000
3.1000000e+001	1.1445362e+000
3.2000000e+001	1.1489781e+000
3.3000000e+001	1.1542776e+000
3.4000000e+001	1.1623934e+000
3.5000000e+001	1.1705091e+000
3.6000000e+001	1.1786249e+000
3.7000000e+001	1.1867406e+000
3.8000000e+001	1.1948564e+000
3.9000000e+001	1.2029722e+000
4.0000000e+001	1.2110879e+000
4.1000000e+001	1.2192037e+000
4.2000000e+001	1.2273195e+000
4.3000000e+001	1.2354352e+000
4.4000000e+001	1.2435510e+000
4.5000000e+001	1.2516668e+000
4.6000000e+001	1.2597825e+000
4.7000000e+001	1.2678983e+000
4.8000000e+001	1.2760141e+000
4.9000000e+001	1.2841298e+000
5.0000000e+001	1.2922456e+000
5.1000000e+001	1.3003613e+000

5.2000000e+001	1.3084771e+000
5.3000000e+001	1.3165929e+000
5.4000000e+001	1.3307509e+000
5.5000000e+001	1.3584759e+000
5.6000000e+001	1.3862009e+000
5.7000000e+001	1.4139258e+000
5.8000000e+001	1.4416508e+000
5.9000000e+001	1.4638458e+000
6.0000000e+001	1.4838272e+000
6.1000000e+001	1.5038086e+000
6.2000000e+001	1.5237900e+000
6.3000000e+001	1.5344886e+000
6.4000000e+001	1.5344886e+000
6.5000000e+001	1.5344886e+000
6.6000000e+001	1.5344886e+000
6.7000000e+001	1.5344886e+000
6.8000000e+001	1.5344886e+000
6.9000000e+001	1.5344886e+000
7.0000000e+001	1.5344886e+000
7.1000000e+001	1.5344886e+000
7.2000000e+001	1.5344886e+000
7.3000000e+001	1.5344886e+000
7.4000000e+001	1.5344886e+000
7.5000000e+001	1.5344886e+000
7.6000000e+001	1.5344886e+000
7.7000000e+001	1.5344886e+000
7.8000000e+001	1.5344886e+000
7.9000000e+001	1.9587399e+000
8.0000000e+001	3.2863542e+000
8.1000000e+001	6.4976095e+000
8.2000000e+001	9.5137785e+000
8.3000000e+001	1.0620041e+001
8.4000000e+001	1.1288555e+001
8.5000000e+001	1.1640065e+001
8.6000000e+001	1.1704501e+001
8.7000000e+001	1.1849745e+001
8.8000000e+001	1.1963013e+001
8.9000000e+001	1.1978699e+001
9.0000000e+001	1.2000000e+001
9.1000000e+001	1.1978699e+001
9.2000000e+001	1.1963013e+001
9.3000000e+001	1.1849745e+001
9.4000000e+001	1.1704501e+001
9.5000000e+001	1.1640065e+001
9.6000000e+001	1.1288555e+001
9.7000000e+001	1.0620041e+001
9.8000000e+001	9.5137785e+000
9.9000000e+001	6.4976095e+000
1.0000000e+002	3.2863542e+000
1.0100000e+002	1.9587399e+000
1.0200000e+002	1.5344886e+000
1.0300000e+002	1.5344886e+000

MDS_HH_Verti_abs.txt

1.0400000e+002	1.5344886e+000
1.0500000e+002	1.5344886e+000
1.0600000e+002	1.5344886e+000
1.0700000e+002	1.5344886e+000
1.0800000e+002	1.5344886e+000
1.0900000e+002	1.5344886e+000
1.1000000e+002	1.5344886e+000
1.1100000e+002	1.5344886e+000
1.1200000e+002	1.5344886e+000
1.1300000e+002	1.5344886e+000
1.1400000e+002	1.5344886e+000
1.1500000e+002	1.5344886e+000
1.1600000e+002	1.5344886e+000
1.1700000e+002	1.5344886e+000
1.1800000e+002	1.5237900e+000
1.1900000e+002	1.5038086e+000
1.2000000e+002	1.4838272e+000
1.2100000e+002	1.4638458e+000
1.2200000e+002	1.4416508e+000
1.2300000e+002	1.4139258e+000
1.2400000e+002	1.3862009e+000
1.2500000e+002	1.3584759e+000
1.2600000e+002	1.3307509e+000
1.2700000e+002	1.3165929e+000
1.2800000e+002	1.3084771e+000
1.2900000e+002	1.3003613e+000
1.3000000e+002	1.2922456e+000
1.3100000e+002	1.2841298e+000
1.3200000e+002	1.2760141e+000
1.3300000e+002	1.2678983e+000
1.3400000e+002	1.2597825e+000
1.3500000e+002	1.2516668e+000
1.3600000e+002	1.2435510e+000
1.3700000e+002	1.2354352e+000
1.3800000e+002	1.2273195e+000
1.3900000e+002	1.2192037e+000
1.4000000e+002	1.2110879e+000
1.4100000e+002	1.2029722e+000
1.4200000e+002	1.1948564e+000
1.4300000e+002	1.1867406e+000
1.4400000e+002	1.1786249e+000
1.4500000e+002	1.1705091e+000
1.4600000e+002	1.1623934e+000
1.4700000e+002	1.1542776e+000
1.4800000e+002	1.1489781e+000
1.4900000e+002	1.1445362e+000
1.5000000e+002	1.1400942e+000
1.5100000e+002	1.1356523e+000
1.5200000e+002	1.1312103e+000
1.5300000e+002	1.1267683e+000
1.5400000e+002	1.1223264e+000
1.5500000e+002	1.1178844e+000

MDS_HH_Verti_abs.txt

1.5600000e+002	1.1134425e+000
1.5700000e+002	1.1090005e+000
1.5800000e+002	1.1045586e+000
1.5900000e+002	1.1001166e+000
1.6000000e+002	1.0956746e+000
1.6100000e+002	1.0912327e+000
1.6200000e+002	1.0867907e+000
1.6300000e+002	1.0823488e+000
1.6400000e+002	1.0779068e+000
1.6500000e+002	1.0734648e+000
1.6600000e+002	1.0690229e+000
1.6700000e+002	1.0629596e+000
1.6800000e+002	1.0560258e+000
1.6900000e+002	1.0490920e+000
1.7000000e+002	1.0421583e+000
1.7100000e+002	1.0352245e+000
1.7200000e+002	1.0282907e+000
1.7300000e+002	1.0213569e+000
1.7400000e+002	1.0165997e+000
1.7500000e+002	1.0146664e+000
1.7600000e+002	1.0127331e+000
1.7700000e+002	1.0107999e+000
1.7800000e+002	1.0088666e+000
1.7900000e+002	1.0069333e+000
1.8000000e+002	1.0050000e+000

Exhibit D

MDS_HH_3D_abs.txt (sample page, page 1 of over 1100)

0.0000000e+000	-1.8000000e+002	8.2730958e-001
1.0000000e+000	-1.8000000e+002	8.2924286e-001
2.0000000e+000	-1.8000000e+002	8.3117615e-001
3.0000000e+000	-1.8000000e+002	8.3310944e-001
4.0000000e+000	-1.8000000e+002	8.3504272e-001
5.0000000e+000	-1.8000000e+002	8.3697601e-001
6.0000000e+000	-1.8000000e+002	8.3890929e-001
7.0000000e+000	-1.8000000e+002	8.4366644e-001
8.0000000e+000	-1.8000000e+002	8.5060024e-001
9.0000000e+000	-1.8000000e+002	8.5753403e-001
1.0000000e+001	-1.8000000e+002	8.6446783e-001
1.1000000e+001	-1.8000000e+002	8.7140162e-001
1.2000000e+001	-1.8000000e+002	8.7833542e-001
1.3000000e+001	-1.8000000e+002	8.8526922e-001
1.4000000e+001	-1.8000000e+002	8.9133246e-001
1.5000000e+001	-1.8000000e+002	8.9577442e-001
1.6000000e+001	-1.8000000e+002	9.0021638e-001
1.7000000e+001	-1.8000000e+002	9.0465834e-001
1.8000000e+001	-1.8000000e+002	9.0910030e-001
1.9000000e+001	-1.8000000e+002	9.1354225e-001
2.0000000e+001	-1.8000000e+002	9.1798421e-001
2.1000000e+001	-1.8000000e+002	9.2242617e-001
2.2000000e+001	-1.8000000e+002	9.2686813e-001
2.3000000e+001	-1.8000000e+002	9.3131009e-001
2.4000000e+001	-1.8000000e+002	9.3575205e-001
2.5000000e+001	-1.8000000e+002	9.4019401e-001
2.6000000e+001	-1.8000000e+002	9.4463597e-001
2.7000000e+001	-1.8000000e+002	9.4907792e-001
2.8000000e+001	-1.8000000e+002	9.5351988e-001
2.9000000e+001	-1.8000000e+002	9.5796184e-001
3.0000000e+001	-1.8000000e+002	9.6240380e-001
3.1000000e+001	-1.8000000e+002	9.6684576e-001
3.2000000e+001	-1.8000000e+002	9.7128772e-001
3.3000000e+001	-1.8000000e+002	9.7658717e-001
3.4000000e+001	-1.8000000e+002	9.8470293e-001
3.5000000e+001	-1.8000000e+002	9.9281869e-001
3.6000000e+001	-1.8000000e+002	1.0009345e+000
3.7000000e+001	-1.8000000e+002	1.0090502e+000
3.8000000e+001	-1.8000000e+002	1.0171660e+000
3.9000000e+001	-1.8000000e+002	1.0252818e+000
4.0000000e+001	-1.8000000e+002	1.0333975e+000
4.1000000e+001	-1.8000000e+002	1.0415133e+000
4.2000000e+001	-1.8000000e+002	1.0496290e+000
4.3000000e+001	-1.8000000e+002	1.0577448e+000
4.4000000e+001	-1.8000000e+002	1.0658606e+000

CERTIFICATE OF SERVICE

I hereby certify that on this 29th day of October, 2002, a true and correct copy of the foregoing was served via hand-delivery (denoted by †) or e-mail (denoted by *):

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Washington, DC 20554

Mr. Paul Locke*
International Bureau
Federal Communications Commission
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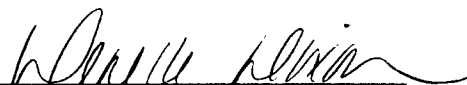
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