

TABLE OF AZIMUTHS, INVERSE FIELDS AND SOIL CONDUCTIVITIES

Proposed New AM - Milford, PA

1450 kHz; 1 kW, ND-U

Inverse Field: 312.64 mv/m/km @ 1 kW.

(156.32 mv/m/km @ assumed 250 w.)

<u>Azimuth</u>	<u>Soil Conductivity (mS/m)</u>
0.0°T	M-3: 2 - 5.8 km, 4 - Remainder
10.0°T	M-3: 2 - 6.4 km, 4 - 186.8 km, 2 - 215.0 km, 4 - Remainder
20.0°T	M-3: 2 - 7.4 km, 4 - 195.1 km, 2 - Remainder
30.0°T	M-3: 2 - 8.7 km, 4 - 218.1 km, 2 - Remainder
33.0°T	#[Meas: 0.5 - 56.6 km]; M-3: 4 - 224.8 km, 2 - Remainder
* 43.0°T	#[Meas: 0.5 - 56.6 km]; M-3: 4 - 215.2 km, 1 - Remainder
53.0°T	#[Meas: 0.5 - 2.0 km, 1 - 74.4 km]; M-3: 4 - 167.4 km, 1 - Remainder
* 63.0°T	#[Meas: 0.5 - 2.0 km, 1 - 74.4 km]; M-3: 4 - 133.6 km, 1 - 224.5 km, 2 - Remainder
73.0°T	#[Meas: 0.5 - 2.0 km, 1 - 74.4 km]; M-3: 4 - 102.8 km, 1 - 152.6 km, 2 - Remainder
* 83.0°T	#[Meas: 0.5 - 9.5 km, 0.75 - 16.0 km, 1.5 - 24.0 km, 1.25 - 36.0 km, 1 - 62.0 km, 0.75 - 67.4 km]; M-3: 4 - 85.8 km, 1 - 148.1 km, 2 - Remainder
93.0°T	#[Meas: 0.5 - 9.5 km, 0.75 - 16.0 km, 1.5 - 24.0 km, 1.25 - 36.0 km, 1 - 62.0 km, 0.75 - 67.4 km]; M-3: 4 - 84.7 km, 1 - 151.0 km, 2 - 153.8 km, 5000 - 156.4 km, 2 - 174.5 km, 5000 - Remainder
100.0°T	M-3: 2 - 48.4 km, 4 - 87.4 km, 1 - 128.9 km, 5000 - 191.5 km, 0.5 - 198.8 km, 5000 - 207.9 km, 0.5 - 227.7 km, 5000 - Rem.
110.0°T	M-3: 2 - 50.7 km, 4 - 96.1 km, 1 - 104.1 km, 5000 - 139.0 km, 0.5 - 178.8 km, 5000 - Remainder
120.0°T	M-3: 2 - 52.3 km, 4 - 98.8 km, 5000 - 109.6 km, 4 - 113.6 km, 0.5 - 147.3 km, 5000 - Remainder
130.0°T	M-3: 2 - 55.5 km, 4 - 104.0 km, 0.5 - 126.5 km, 5000 - Remainder
131.0°T	#[Meas: 1.25 - 13.0 km, 0.5 - 35.2 km]; M-3: 2 - 56.6 km, 4 - 101.4 km, 0.5 - 123.6 km, 5000 - Remainder
*141.0°T	#[Meas: 1.25 - 13.0 km, 0.5 - 35.2 km]; M-3: 2 - 65.0 km, 4 - 97.2 km, 5000 - 102.2 km, 0.5 - 110.4 km, 5000 - Remainder
151.0°T	#[Meas: 1.25 - 13.0 km, 0.5 - 35.2 km]; M-3: 2 - 69.5 km, 4 - 103.8 km, 5000 - 113.1 km, 4 - 139.2 km, 5000 - Remainder
161.0°T	#[Meas: 0.1 - 1.3 km, 1 - 34.8 km]; M-3: 2 - 65.8 km, 4 - 173.0 km, 5000 - Remainder
171.0°T	#[Meas: 0.25 - 1.4 km, 0.75 - 13.0 km, 0.5 - 36.0 km, 1.25 - 42.3 km]; M-3: 2 - 60.5 km, 4 - 216.3 km, 5000 - Remainder

TABLE OF AZIMUTHS, INVERSE FIELDS AND SOIL CONDUCTIVITIES

Proposed New AM - Milford, PA

1450 kHz; 1 kW, ND-U

Inverse Field: 312.64 mv/m/km @ 1 kW.

(156.32 mv/m/km @ assumed 250 w.)

Azimuth	Soil Conductivity (mS/m)
*181.0°T	#[Meas: 0.25 - 1.4 km, 0.75 - 13.0 km, 0.5 - 36.0 km, 1.25 - 42.3 km]; M-3: 2 - 52.0 km, 4 - 258.6 km, 5000 - Remainder
191.0°T	#[Meas: 0.25 - 1.4 km, 0.75 - 13.0 km, 0.5 - 36.0 km, 1.25 - 42.3 km]; M-3: 2 - 46.7 km, 4 - 230.3 km, 5000 - 260.1 km, 4 - Remainder
200.0°T	M-3: 2 - 41.8 km, 4 - Remainder
210.0°T	M-3: 2 - 42.8 km, 4 - Remainder
220.0°T	M-3: 2 - 53.6 km, 4 - 245.4 km, 2 - Remainder
230.0°T	M-3: 2 - 121.7 km, 4 - Remainder
240.0°T	M-3: 2 - Total distance
250.0°T	M-3: 2 - 55.5 km, 4 - 87.7 km, 2 - 254.9 km, 4 - Remainder
260.0°T	M-3: 2 - 14.5 km, 4 - 121.8 km, 2 - Remainder
262.0°T	#[Meas: 3 - 3.0 km, 1 - 21.0 km, 0.75 - 73.2 km]; M-3: 4 - 124.2 km, 2 - Remainder
*272.0°T	#[Meas: 3 - 3.0 km, 1 - 21.0 km, 0.75 - 73.2 km]; M-3: 4 - 207.0 km, 2 - Remainder
282.0°T	#[Meas: 2 - 1.0 km, 0.5 - 2.8 km, 0.75 - 3.6 km, 0.5 - 70.0 km, 1.25 - 80.0 km]; M-3: 4 - Remainder
*292.0°T	#[Meas: 2 - 1.0 km, 0.5 - 2.8 km, 0.75 - 3.6 km, 0.5 - 70.0 km, 1.25 - 80.0 km]; M-3: 4 - Remainder
302.0°T	#[Meas: 2 - 1.0 km, 0.5 - 2.8 km, 0.75 - 3.6 km, 0.5 - 70.0 km, 1.25 - 80.0 km]; M-3: 4 - Remainder
*312.0°T	#[Meas: 0.1 - 9.0 km, 0.5 - 60.0 km, 1.25 - 85.6 km]; M-3: 4 - Remainder
322.0°T	#[Meas: 0.1 - 9.0 km, 0.5 - 60.0 km, 1.25 - 85.6 km]; M-3: 4 - Remainder
330.0°T	M-3: 2 - 5.0 km, 4 - Remainder
340.0°T	M-3: 2 - 5.3 km, 4 - Remainder
350.0°T	M-3: 2 - 5.6 km, 4 - Remainder

Key:

* Indicates measured radial; measurements and analysis included with this amended application.

Measured conductivities in brackets [] were derived from radial measurement analysis employing a special reduced dielectric constant of 5 ($\epsilon = 5$) so as to place measurements within a range of conductivity values covered by the FCC's Family of Curves. All other soil conductivity values, including those determined from the FCC's Figure M-3 map, presume the FCC's standard dielectric constant of 15 ($\epsilon = 15$).