

EXHIBIT 20
STANDARD RADIATION PATTERN
FOR THE PROPOSED DAYTIME OPERATION OF
WDEL, WILMINGTON, DELAWARE
1150 kHz 10 kW D/5 kW N DA-2
SEPTEMBER 2007

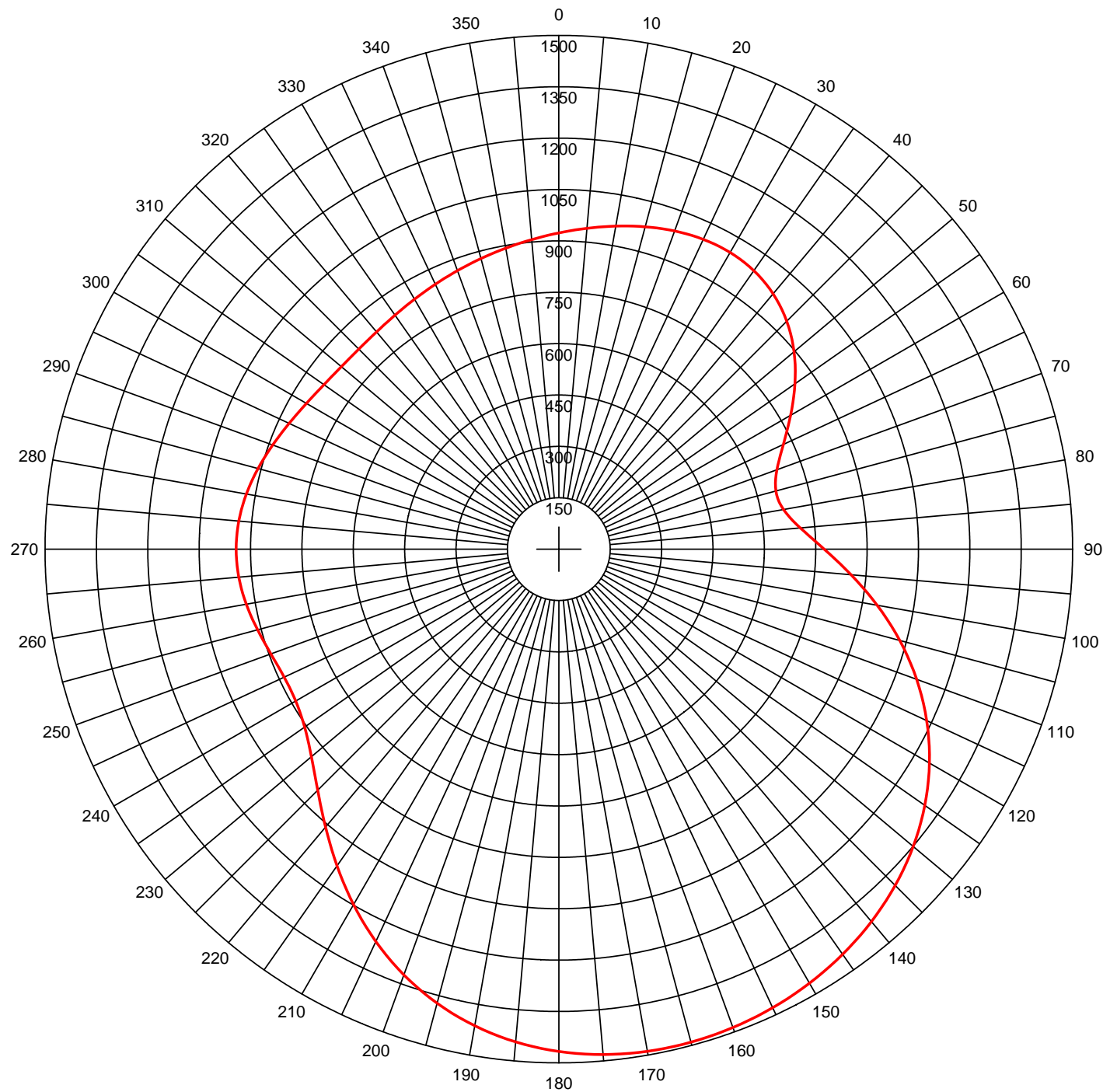
Call: WDEL
 Freq: 1150 kHz
 WILMINGTON, DE, US
 Lat: 39-48-57 N
 Lng: 075-31-48 W
 Power: 10.0 kW
 Theo RMS: 1008.25 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.140	-251.0	0.0	0.0	97.5	0	0	0.0	0.0	0.0	0.0
2	0.340	-150.0	140.0	325.5	138.5	0	0	0.0	0.0	0.0	0.0
3	1.000	0.0	80.0	352.0	97.5	1	0	0.0	0.0	0.0	0.0

 Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	923.29	5.0	940.32	10.0	957.72
15.0	974.36	20.0	988.52	25.0	997.96
30.0	1000.15	35.0	992.60	40.0	973.30
45.0	941.15	50.0	896.48	55.0	841.60
60.0	781.28	65.0	723.21	70.0	677.76
75.0	656.14	80.0	666.15	85.0	707.99
90.0	774.69	95.0	856.34	100.0	943.85
105.0	1030.46	110.0	1111.73	115.0	1185.09
120.0	1249.37	125.0	1304.40	130.0	1350.61
135.0	1388.76	140.0	1419.75	145.0	1444.44
150.0	1463.52	155.0	1477.47	160.0	1486.48
165.0	1490.44	170.0	1488.95	175.0	1481.37
180.0	1466.82	185.0	1444.40	190.0	1413.24
195.0	1372.74	200.0	1322.84	205.0	1264.21
210.0	1198.60	215.0	1128.97	220.0	1059.56
225.0	995.68	230.0	942.96	235.0	906.03
240.0	887.06	245.0	884.73	250.0	894.56
255.0	910.46	260.0	926.46	265.0	937.89
270.0	941.99	275.0	937.87	280.0	926.26
285.0	909.08	290.0	888.96	295.0	868.70
300.0	850.83	305.0	837.23	310.0	828.90
315.0	825.99	320.0	827.95	325.0	833.83
330.0	842.59	335.0	853.29	340.0	865.31
345.0	878.31	350.0	892.25	355.0	907.22

AM Directional Pattern



Theo RMS: 1008.252 mV/m@1km
Std RMS: 1059.185 mV/m@1km
Q: 31.623 mV/m@1km

Horizontal Plane Standard Pattern

— Pattern (mV/m @ 1km)
— Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.140	-251.0	0.0	0.0	97.5	0	0	0.0	0.0	0.0	0.0
2	0.340	-150.0	140.0	325.5	138.5	0	0	0.0	0.0	0.0	0.0
3	1.000	0.0	80.0	352.0	97.5	1	0	0.0	0.0	0.0	0.0

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