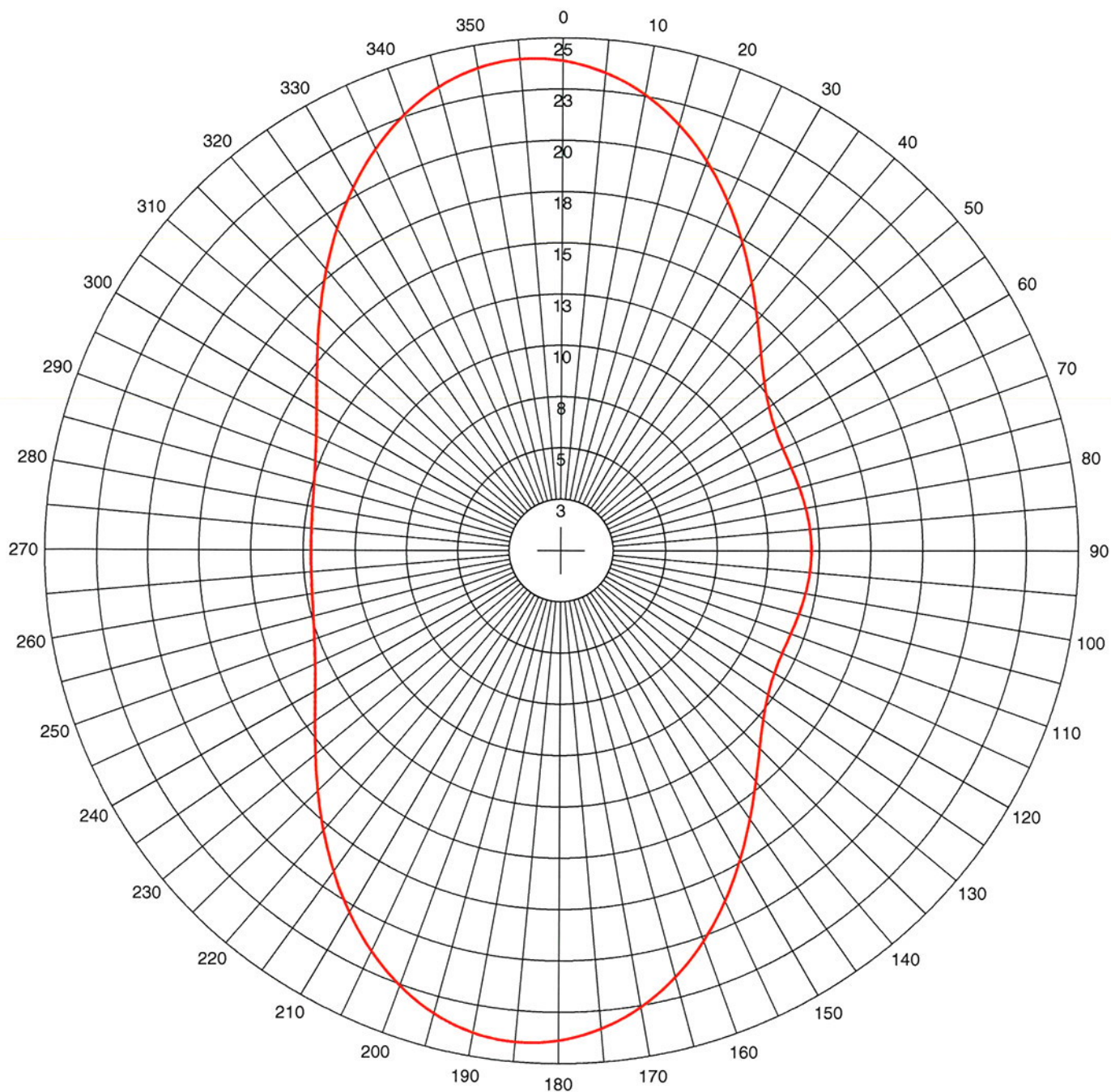


# EXHIBIT #111 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
Std RMS: 17.154 mV/m@1km  
Q: 10.0 mV/m@1km

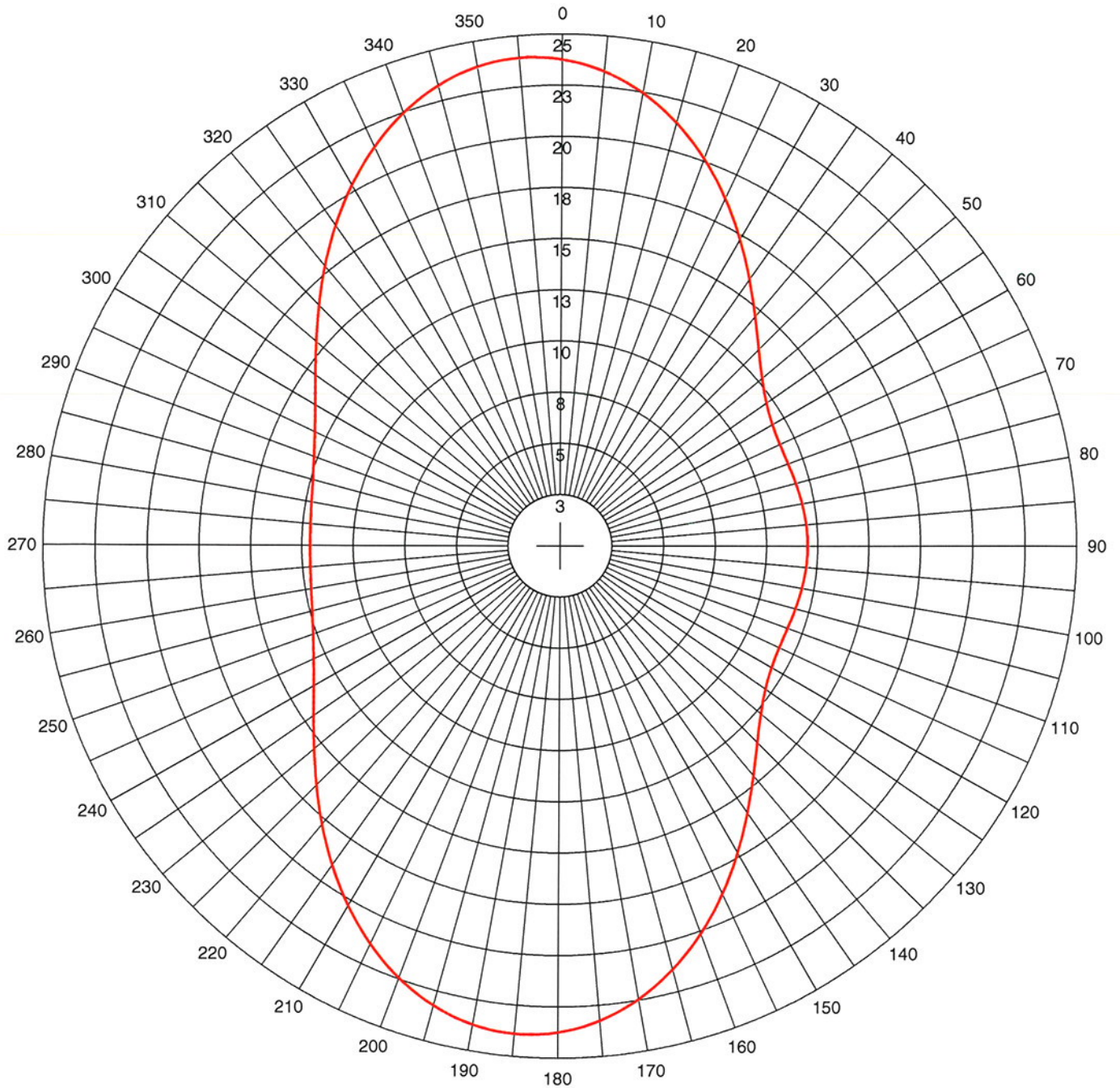
Horizontal Plane Standard Pattern

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
Freq: 1560 kHz  
TOLEDO, OH, US  
Lat: 41-37-34 N  
Lng: 083-38-03 W  
Power: 0.002 kW  
Theo RMS: 12.92 mV/m@1km  
@ 0.002 kW

# EXHIBIT #112 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 5.00 Degrees

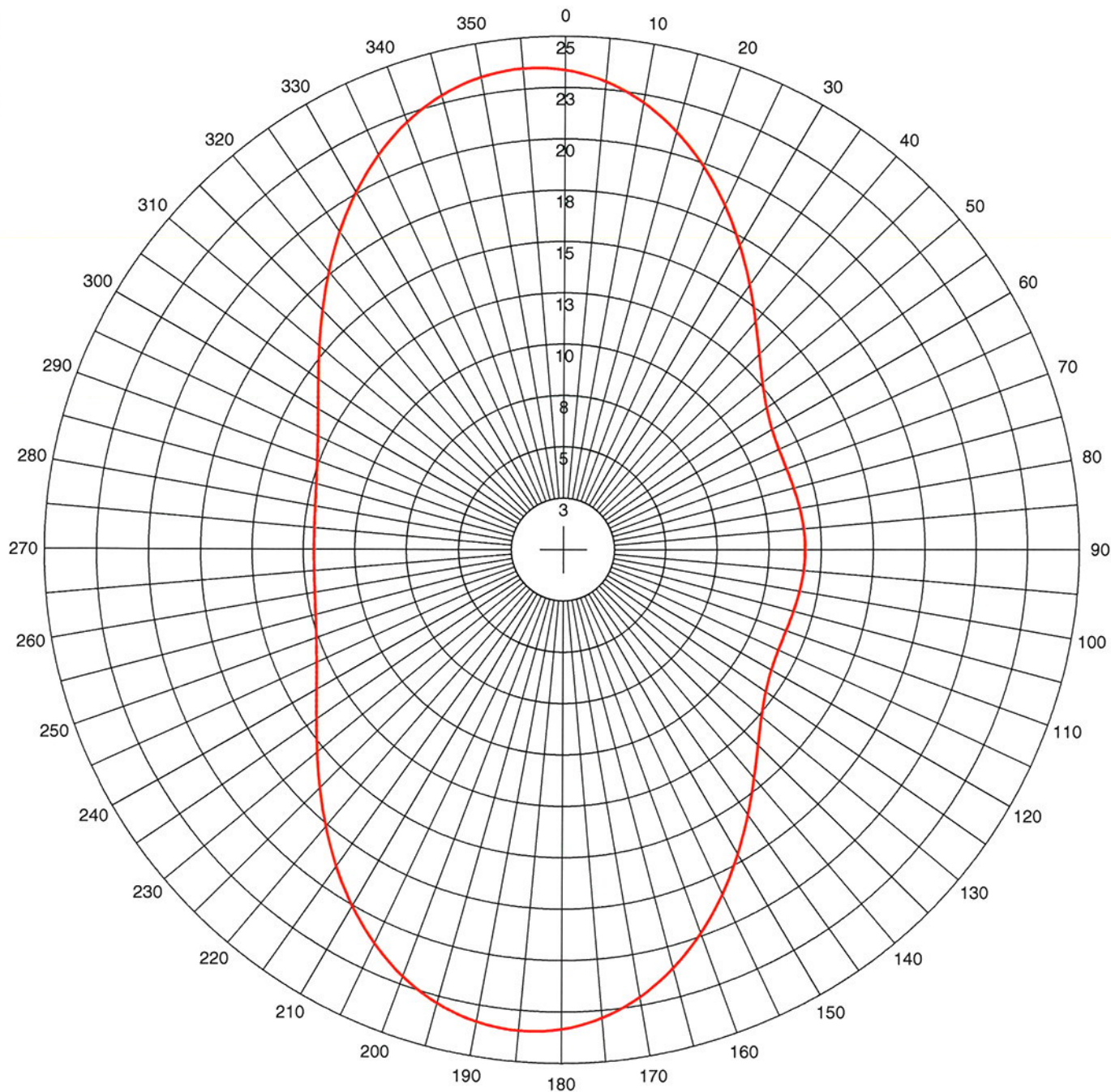
— Pattern (mV/m @ 1km)  
 — Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW



# EXHIBIT #113 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

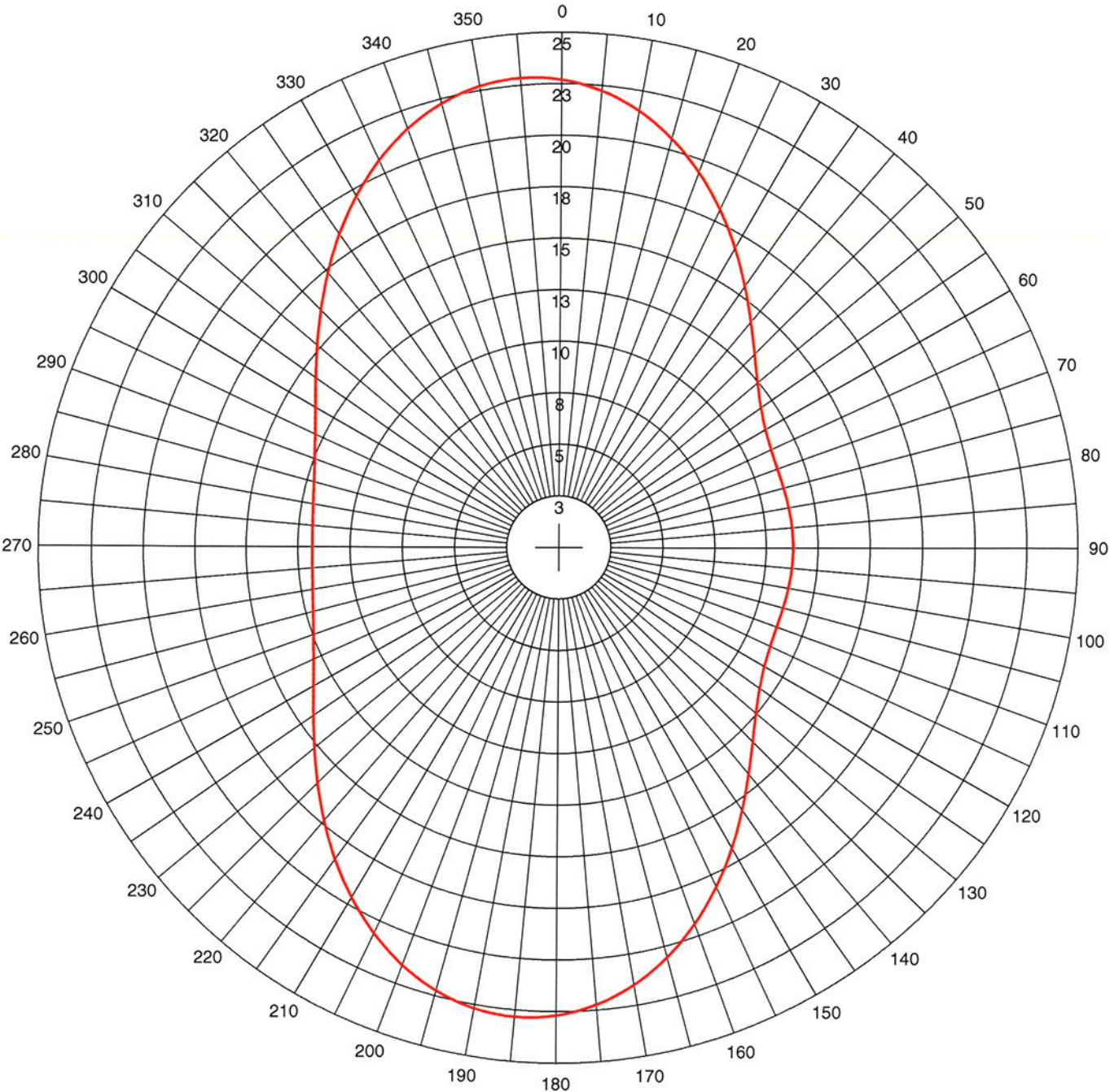
Standard Pattern at Theta = 10.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW

EXHIBIT #114 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
Std RMS: 17.154 mV/m@1km  
Q: 10.0 mV/m@1km

Standard Pattern at Theta = 15.00 Degrees

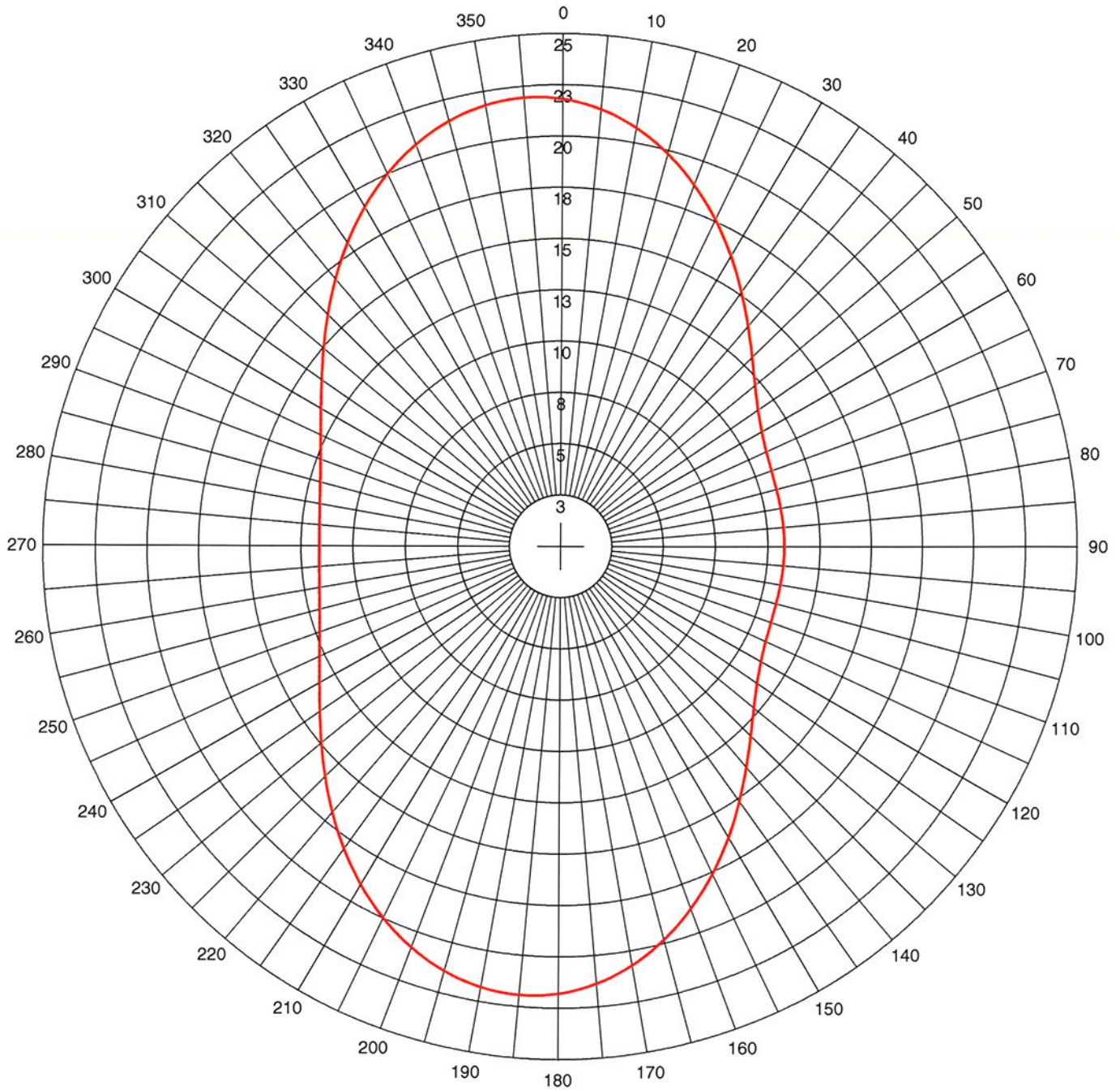
— Pattern (mV/m @ 1km)  
— Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
Freq: 1560 kHz  
TOLEDO, OH, US  
Lat: 41-37-34 N  
Lng: 083-38-03 W  
Power: 0.002 kW  
Theo RMS: 12.92 mV/m@1km  
          @ 0.002 kW



# EXHIBIT #115 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

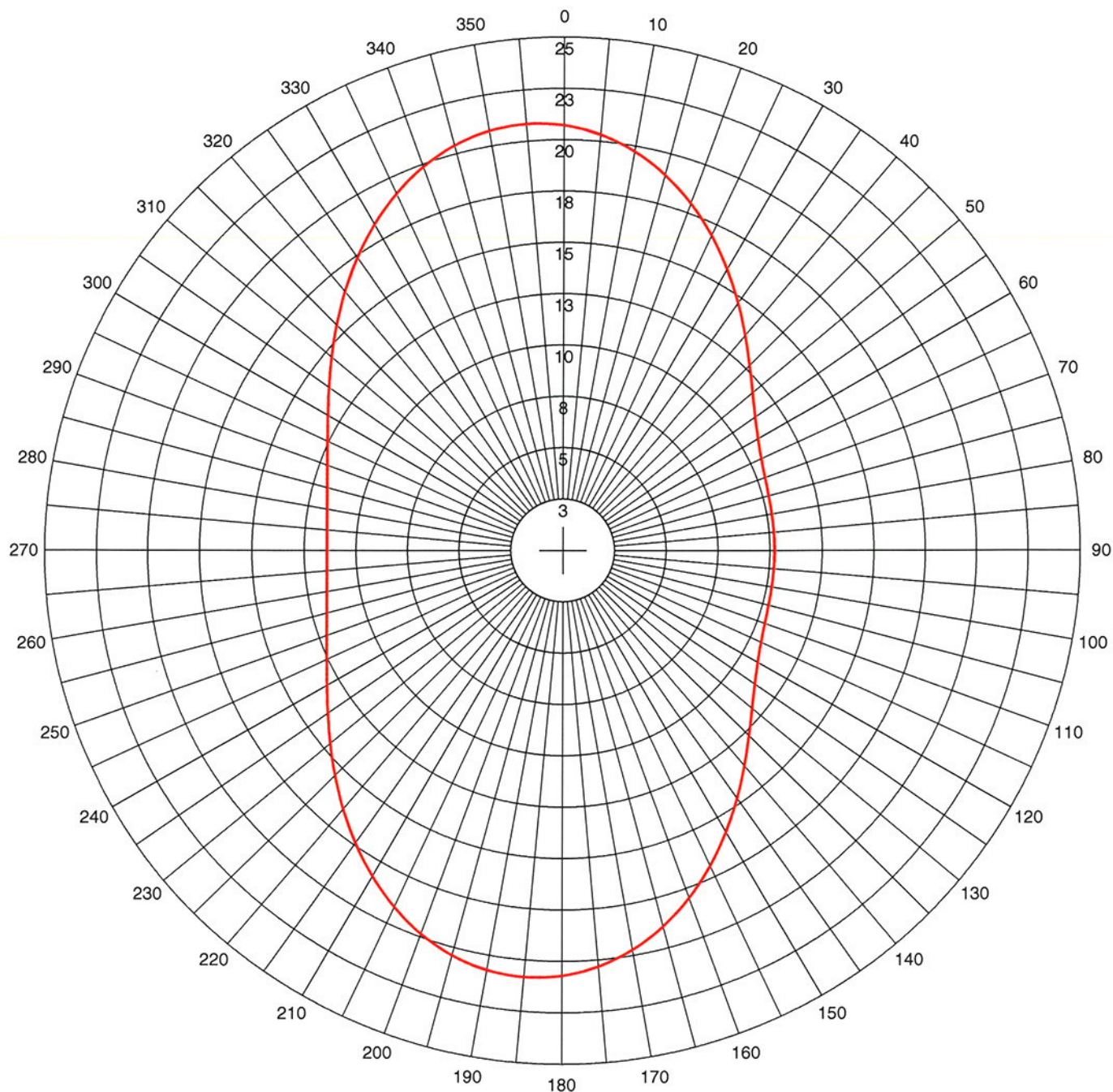
Standard Pattern at Theta = 20.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW

# EXHIBIT #116 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km

Std RMS: 17.154 mV/m@1km

Q: 10.0 mV/m@1km

Standard Pattern at Theta = 25.00 Degrees

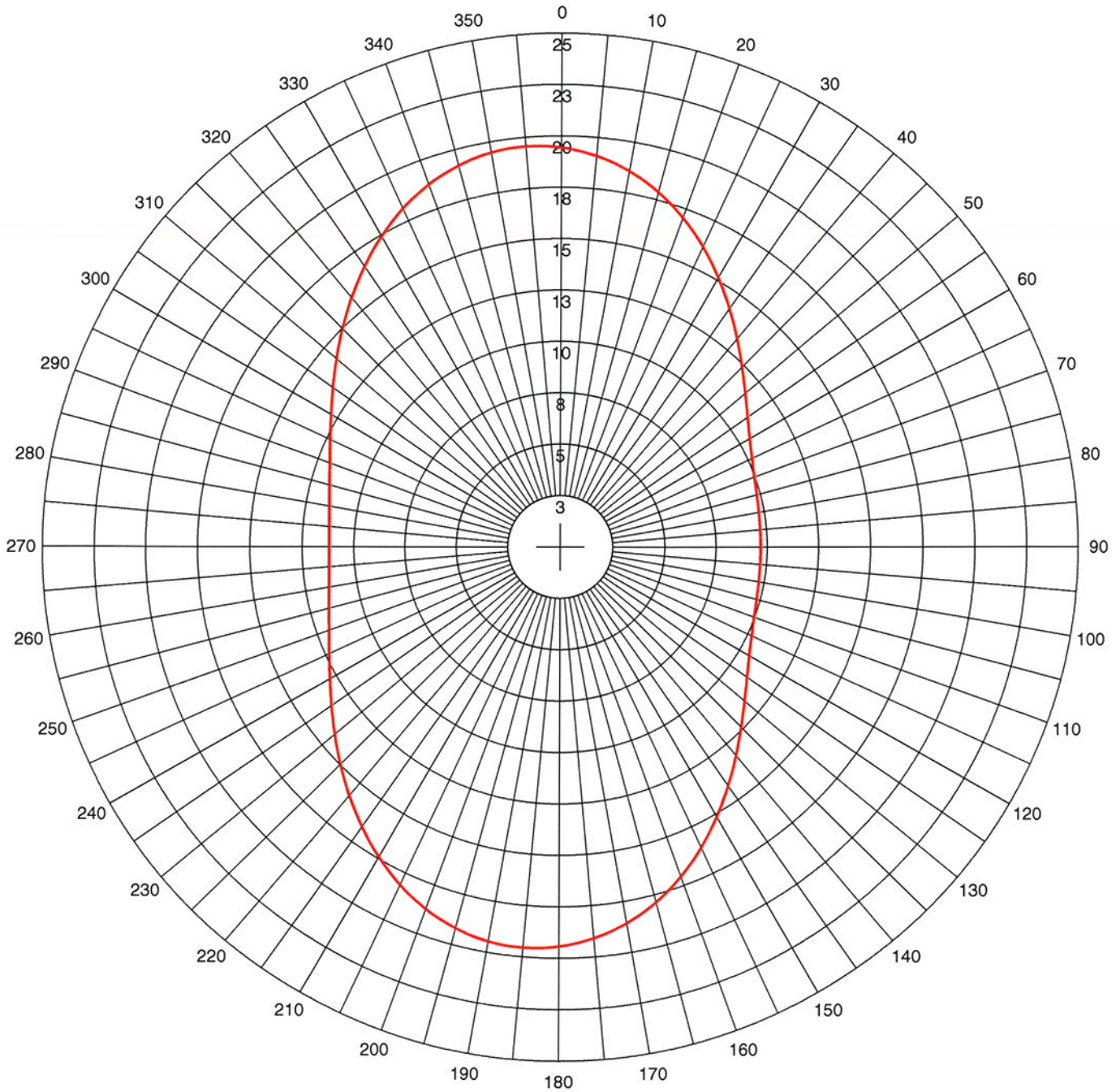
— Pattern (mV/m @ 1km)  
— Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW



# EXHIBIT #117 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

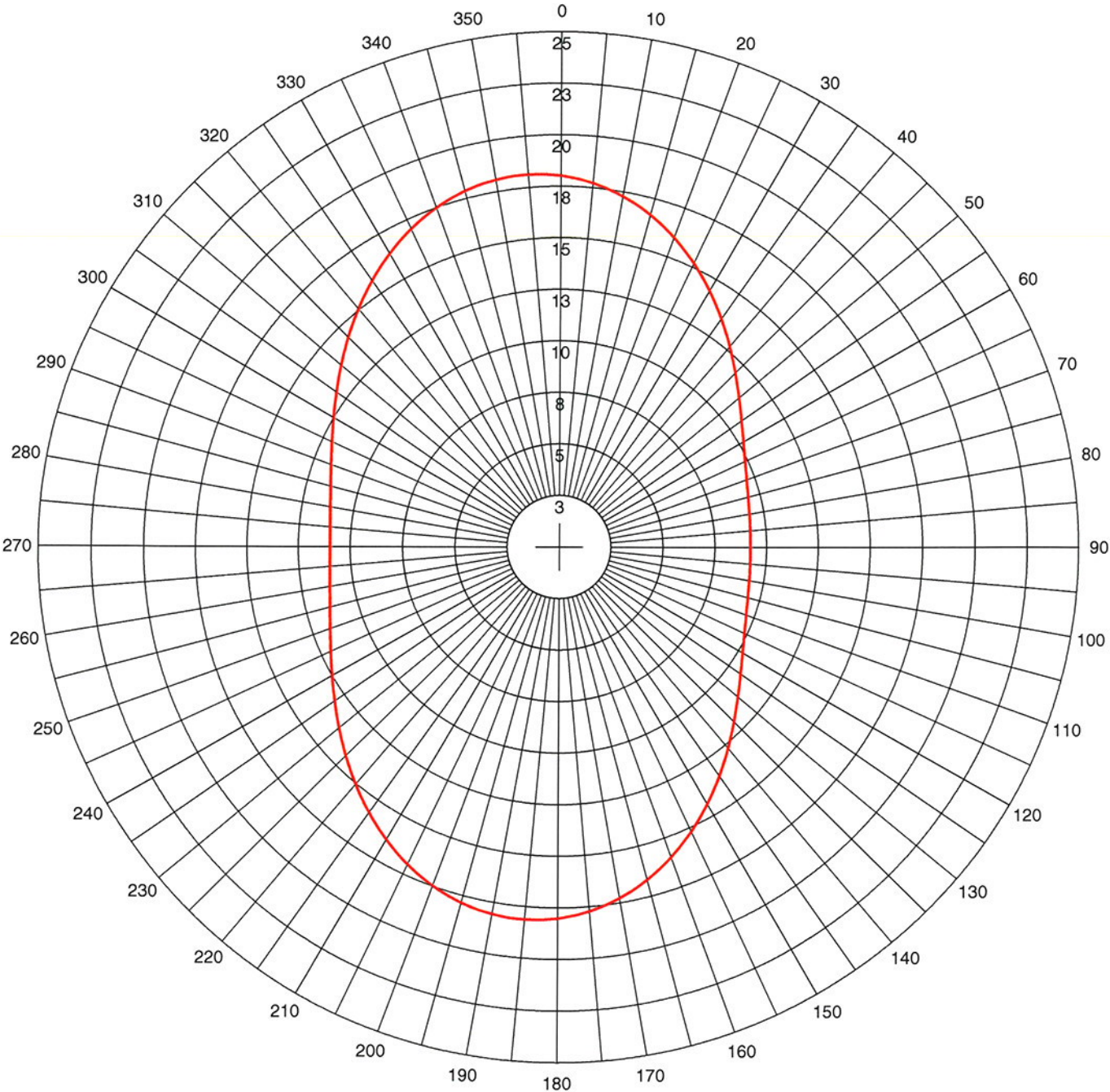
Standard Pattern at Theta = 30.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW

EXHIBIT #118 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
Std RMS: 17.154 mV/m@1km  
Q: 10.0 mV/m@1km

Standard Pattern at Theta = 35.00 Degrees

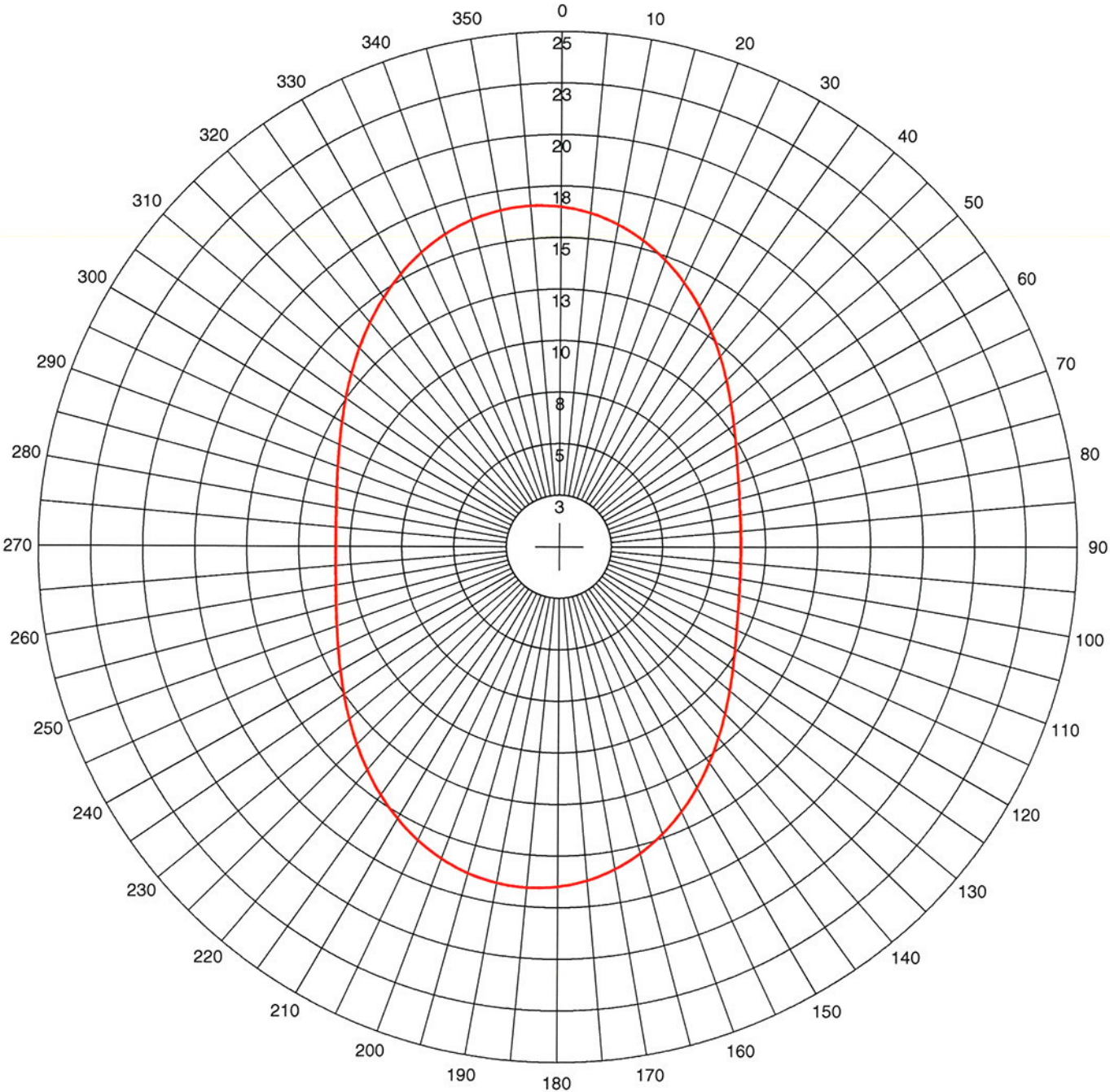
— Pattern (mV/m @ 1km)  
— Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
Freq: 1560 kHz  
TOLEDO, OH, US  
Lat: 41-37-34 N  
Lng: 083-38-03 W  
Power: 0.002 kW  
Theo RMS: 12.92 mV/m@1km  
@ 0.002 kW



EXHIBIT #119 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
Std RMS: 17.154 mV/m@1km  
Q: 10.0 mV/m@1km

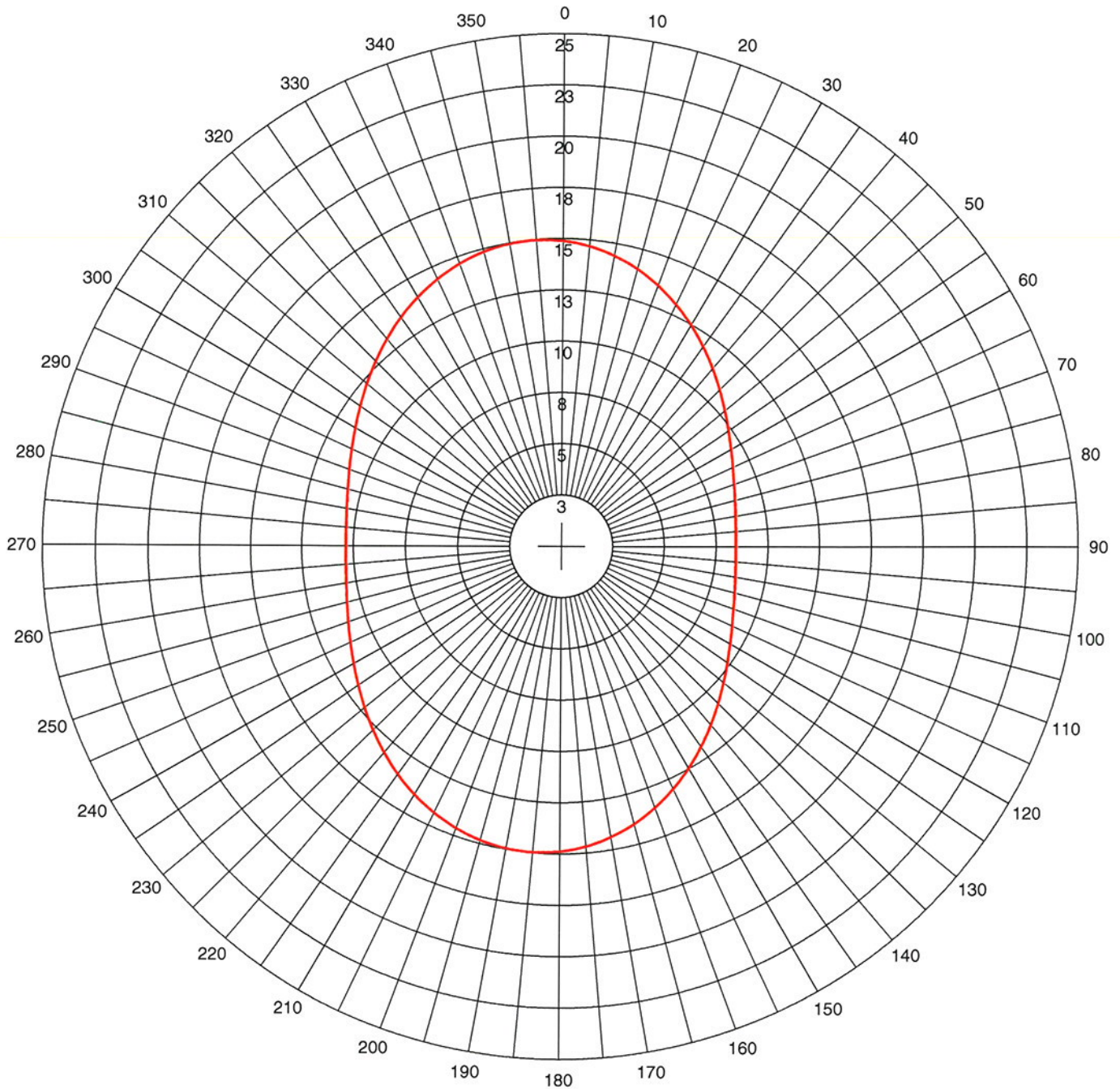
Standard Pattern at Theta = 40.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
Freq: 1560 kHz  
TOLEDO, OH, US  
Lat: 41-37-34 N  
Lng: 083-38-03 W  
Power: 0.002 kW  
Theo RMS: 12.92 mV/m@1km  
@ 0.002 kW

# EXHIBIT #1110 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 45.00 Degrees

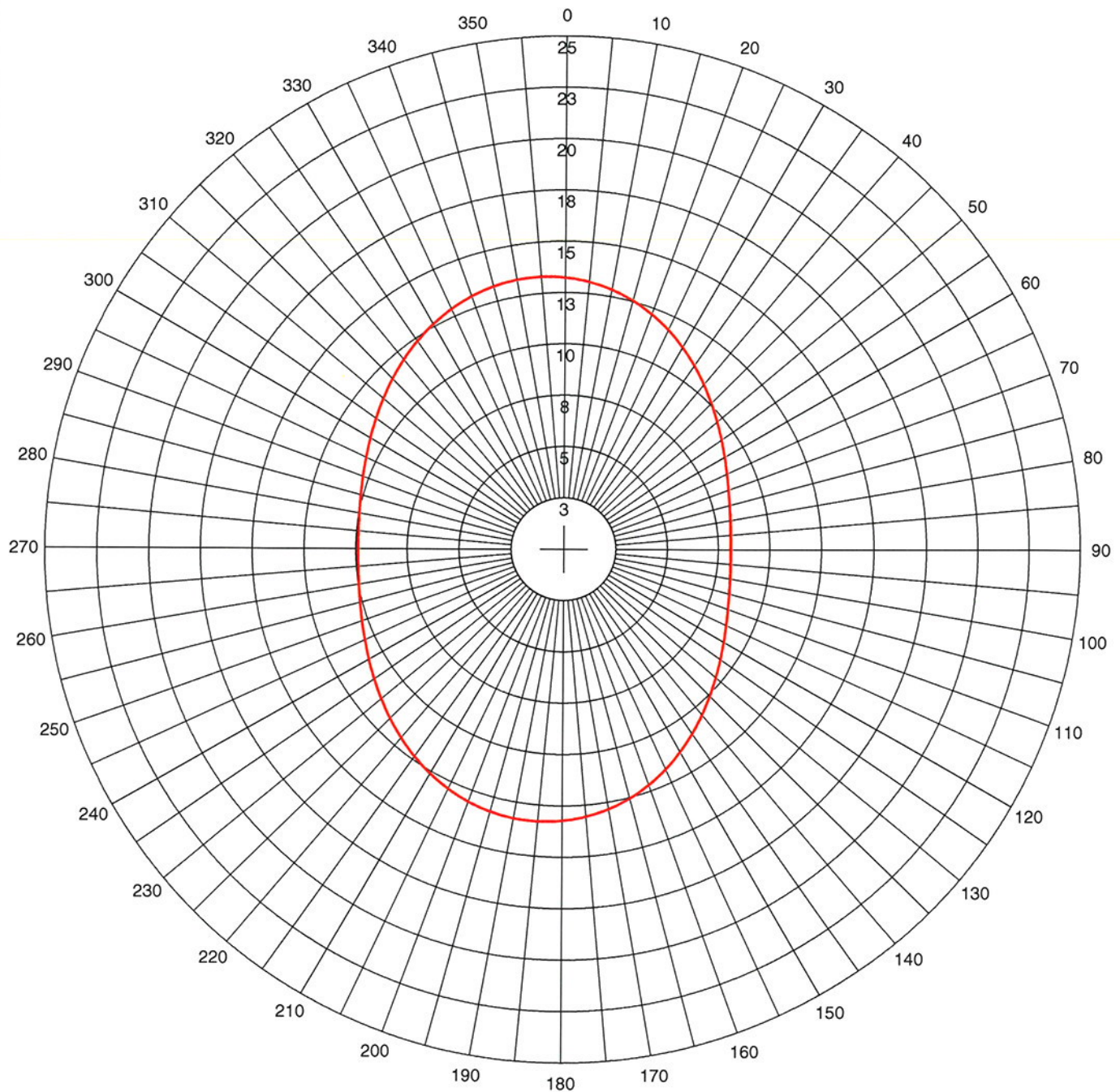
— Pattern (mV/m @ 1km)  
 — Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW



# EXHIBIT #1111 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

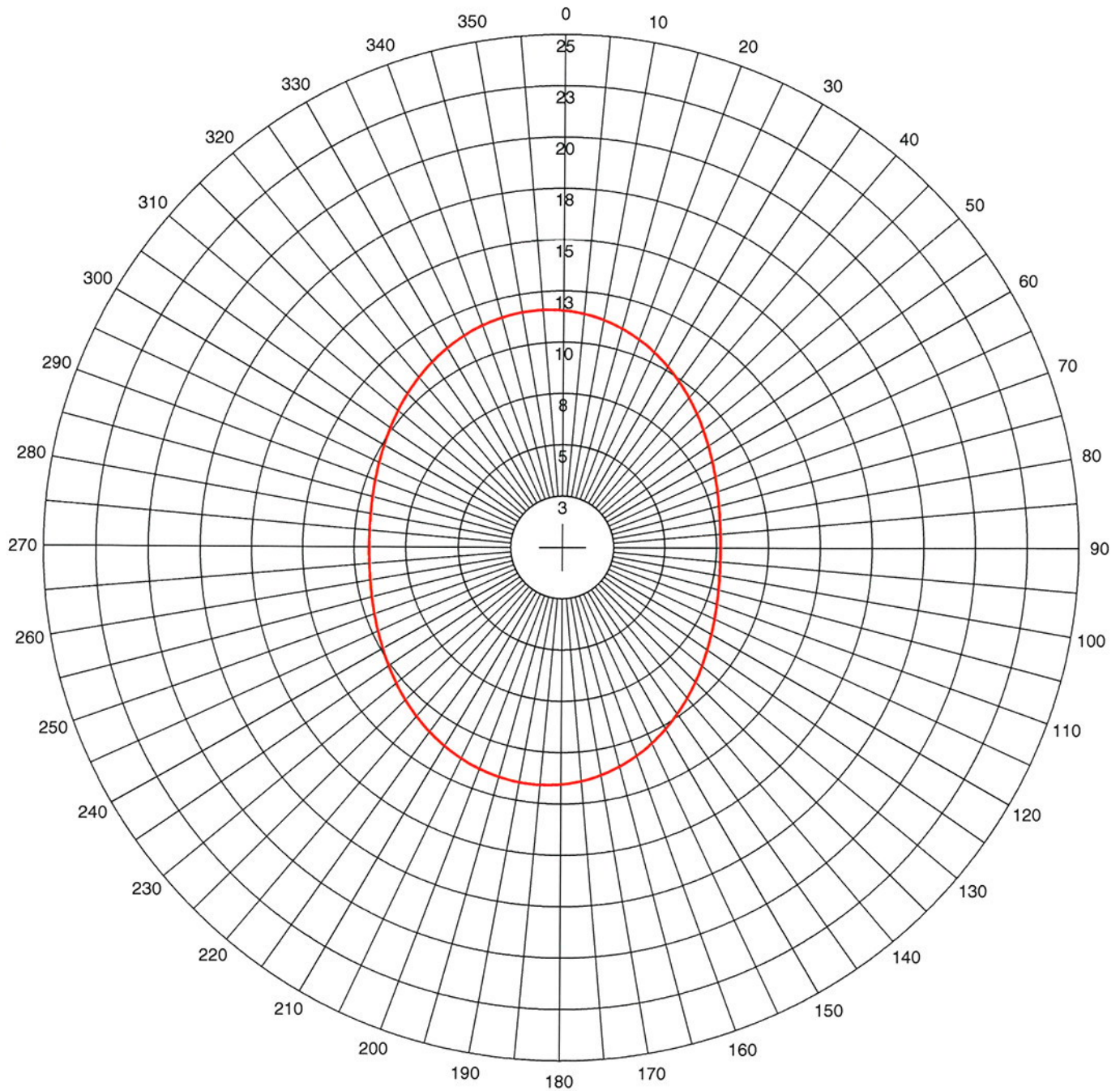
Standard Pattern at Theta = 50.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW

# EXHIBIT #1112 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 55.00 Degrees

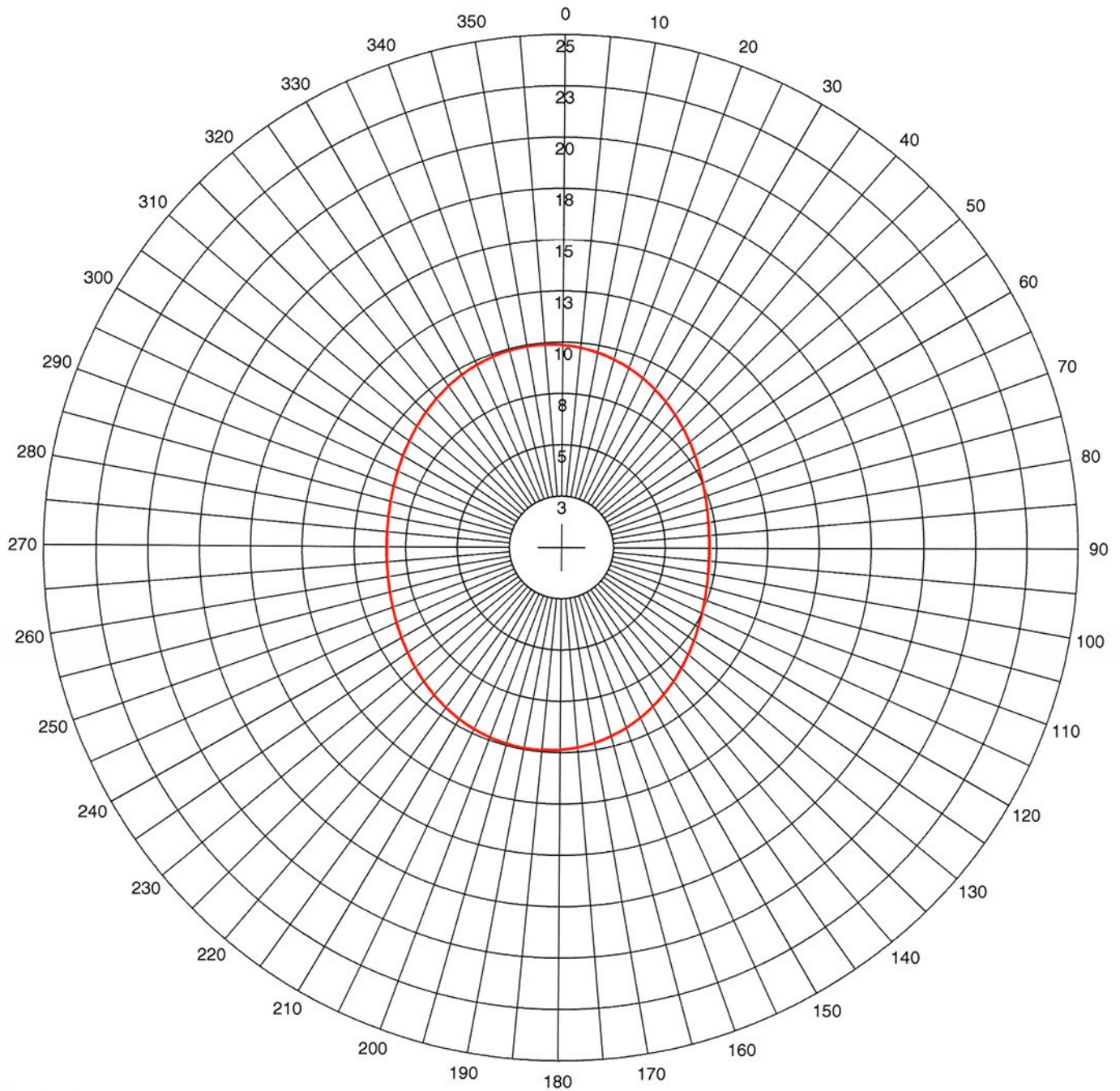
— Pattern (mV/m @ 1km)  
 — Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW



# EXHIBIT #1113 - WTOD NIGHTTIME DIRECTIONAL ARRAY



Theo RMS: 12.919 mV/m@1km  
 Std RMS: 17.154 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 60.00 Degrees

— 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	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Call: WTOD  
 Freq: 1560 kHz  
 TOLEDO, OH, US  
 Lat: 41-37-34 N  
 Lng: 083-38-03 W  
 Power: 0.002 kW  
 Theo RMS: 12.92 mV/m@1km  
 @ 0.002 kW

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J1**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N                Lng: 083-38-03 W  
 Power: 0.002 kW                Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	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	23.88	120.0	11.93	240.0	13.73
5.0	23.39	125.0	12.23	245.0	13.13
10.0	22.59	130.0	12.79	250.0	12.71
15.0	21.52	135.0	13.61	255.0	12.42
20.0	20.24	140.0	14.69	260.0	12.24
25.0	18.83	145.0	15.97	265.0	12.15
30.0	17.38	150.0	17.38	270.0	12.12
35.0	15.97	155.0	18.83	275.0	12.15
40.0	14.69	160.0	20.24	280.0	12.24
45.0	13.61	165.0	21.52	285.0	12.42
50.0	12.79	170.0	22.59	290.0	12.71
55.0	12.23	175.0	23.39	295.0	13.13
60.0	11.93	180.0	23.88	300.0	13.73
65.0	11.81	185.0	24.04	305.0	14.52
70.0	11.83	190.0	23.86	310.0	15.48
75.0	11.92	195.0	23.35	315.0	16.60
80.0	12.02	200.0	22.57	320.0	17.83
85.0	12.09	205.0	21.56	325.0	19.12
90.0	12.12	210.0	20.38	330.0	20.38
95.0	12.09	215.0	19.12	335.0	21.56
100.0	12.02	220.0	17.83	340.0	22.57
105.0	11.92	225.0	16.60	345.0	23.35
110.0	11.83	230.0	15.48	350.0	23.86
115.0	11.81	235.0	14.52	355.0	24.04



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J2**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N                Lng: 083-38-03 W  
 Power: 0.002 kW                Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

-----

Standard Pattern  
 Calculated at 5.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	23.75	120.0	11.87	240.0	13.71
5.0	23.26	125.0	12.19	245.0	13.11
10.0	22.47	130.0	12.75	250.0	12.68
15.0	21.41	135.0	13.58	255.0	12.38
20.0	20.15	140.0	14.65	260.0	12.21
25.0	18.75	145.0	15.92	265.0	12.11
30.0	17.31	150.0	17.31	270.0	12.08
35.0	15.92	155.0	18.75	275.0	12.11
40.0	14.65	160.0	20.15	280.0	12.21
45.0	13.58	165.0	21.41	285.0	12.38
50.0	12.75	170.0	22.47	290.0	12.68
55.0	12.19	175.0	23.26	295.0	13.11
60.0	11.87	180.0	23.75	300.0	13.71
65.0	11.75	185.0	23.90	305.0	14.49
70.0	11.76	190.0	23.72	310.0	15.45
75.0	11.84	195.0	23.23	315.0	16.56
80.0	11.93	200.0	22.46	320.0	17.78
85.0	12.00	205.0	21.46	325.0	19.05
90.0	12.03	210.0	20.30	330.0	20.30
95.0	12.00	215.0	19.05	335.0	21.46
100.0	11.93	220.0	17.78	340.0	22.46
105.0	11.84	225.0	16.56	345.0	23.23
110.0	11.76	230.0	15.45	350.0	23.72
115.0	11.75	235.0	14.49	355.0	23.90

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J3**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N              Lng: 083-38-03 W  
 Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

-----

Standard Pattern  
 Calculated at 10.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	23.34	120.0	11.72	240.0	13.63
5.0	22.87	125.0	12.07	245.0	13.03
10.0	22.11	130.0	12.64	250.0	12.59
15.0	21.09	135.0	13.47	255.0	12.29
20.0	19.87	140.0	14.53	260.0	12.10
25.0	18.52	145.0	15.77	265.0	12.00
30.0	17.13	150.0	17.13	270.0	11.97
35.0	15.77	155.0	18.52	275.0	12.00
40.0	14.53	160.0	19.87	280.0	12.10
45.0	13.47	165.0	21.09	285.0	12.29
50.0	12.64	170.0	22.11	290.0	12.59
55.0	12.07	175.0	22.87	295.0	13.03
60.0	11.72	180.0	23.34	300.0	13.63
65.0	11.57	185.0	23.50	305.0	14.40
70.0	11.55	190.0	23.33	310.0	15.34
75.0	11.60	195.0	22.86	315.0	16.43
80.0	11.67	200.0	22.12	320.0	17.61
85.0	11.73	205.0	21.16	325.0	18.84
90.0	11.75	210.0	20.04	330.0	20.04
95.0	11.73	215.0	18.84	335.0	21.16
100.0	11.67	220.0	17.61	340.0	22.12
105.0	11.60	225.0	16.43	345.0	22.86
110.0	11.55	230.0	15.34	350.0	23.33
115.0	11.57	235.0	14.40	355.0	23.50



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J4**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N              Lng: 083-38-03 W  
Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 15.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	22.69	120.0	11.49	240.0	13.51
5.0	22.24	125.0	11.87	245.0	12.91
10.0	21.52	130.0	12.47	250.0	12.46
15.0	20.56	135.0	13.30	255.0	12.15
20.0	19.41	140.0	14.33	260.0	11.94
25.0	18.14	145.0	15.52	265.0	11.83
30.0	16.82	150.0	16.82	270.0	11.80
35.0	15.52	155.0	18.14	275.0	11.83
40.0	14.33	160.0	19.41	280.0	11.94
45.0	13.30	165.0	20.56	285.0	12.15
50.0	12.47	170.0	21.52	290.0	12.46
55.0	11.87	175.0	22.24	295.0	12.91
60.0	11.49	180.0	22.69	300.0	13.51
65.0	11.29	185.0	22.84	305.0	14.26
70.0	11.22	190.0	22.68	310.0	15.17
75.0	11.23	195.0	22.25	315.0	16.21
80.0	11.27	200.0	21.56	320.0	17.33
85.0	11.31	205.0	20.67	325.0	18.49
90.0	11.32	210.0	19.62	330.0	19.62
95.0	11.31	215.0	18.49	335.0	20.67
100.0	11.27	220.0	17.33	340.0	21.56
105.0	11.23	225.0	16.21	345.0	22.25
110.0	11.22	230.0	15.17	350.0	22.68
115.0	11.29	235.0	14.26	355.0	22.84

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J5**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N              Lng: 083-38-03 W  
 Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
 Calculated at 20.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	21.80	120.0	11.21	240.0	13.33
5.0	21.38	125.0	11.63	245.0	12.74
10.0	20.72	130.0	12.25	250.0	12.29
15.0	19.83	135.0	13.06	255.0	11.97
20.0	18.78	140.0	14.05	260.0	11.75
25.0	17.60	145.0	15.18	265.0	11.63
30.0	16.38	150.0	16.38	270.0	11.59
35.0	15.18	155.0	17.60	275.0	11.63
40.0	14.05	160.0	18.78	280.0	11.75
45.0	13.06	165.0	19.83	285.0	11.97
50.0	12.25	170.0	20.72	290.0	12.29
55.0	11.63	175.0	21.38	295.0	12.74
60.0	11.21	180.0	21.80	300.0	13.33
65.0	10.95	185.0	21.94	305.0	14.06
70.0	10.83	190.0	21.81	310.0	14.93
75.0	10.78	195.0	21.42	315.0	15.90
80.0	10.78	200.0	20.80	320.0	16.94
85.0	10.79	205.0	19.99	325.0	18.00
90.0	10.80	210.0	19.04	330.0	19.04
95.0	10.79	215.0	18.00	335.0	19.99
100.0	10.78	220.0	16.94	340.0	20.80
105.0	10.78	225.0	15.90	345.0	21.42
110.0	10.83	230.0	14.93	350.0	21.81
115.0	10.95	235.0	14.06	355.0	21.94



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J6**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N                  Lng: 083-38-03 W  
Power: 0.002 kW                  Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 25.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	20.70	120.0	10.89	240.0	13.11
5.0	20.32	125.0	11.35	245.0	12.55
10.0	19.73	130.0	11.97	250.0	12.10
15.0	18.94	135.0	12.76	255.0	11.77
20.0	17.99	140.0	13.69	260.0	11.55
25.0	16.93	145.0	14.73	265.0	11.42
30.0	15.83	150.0	15.83	270.0	11.38
35.0	14.73	155.0	16.93	275.0	11.42
40.0	13.69	160.0	17.99	280.0	11.55
45.0	12.76	165.0	18.94	285.0	11.77
50.0	11.97	170.0	19.73	290.0	12.10
55.0	11.35	175.0	20.32	295.0	12.55
60.0	10.89	180.0	20.70	300.0	13.11
65.0	10.59	185.0	20.83	305.0	13.80
70.0	10.40	190.0	20.73	310.0	14.60
75.0	10.30	195.0	20.39	315.0	15.49
80.0	10.26	200.0	19.85	320.0	16.43
85.0	10.24	205.0	19.14	325.0	17.38
90.0	10.24	210.0	18.30	330.0	18.30
95.0	10.24	215.0	17.38	335.0	19.14
100.0	10.26	220.0	16.43	340.0	19.85
105.0	10.30	225.0	15.49	345.0	20.39
110.0	10.40	230.0	14.60	350.0	20.73
115.0	10.59	235.0	13.80	355.0	20.83

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J7**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N                Lng: 083-38-03 W  
Power: 0.002 kW                Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 30.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	19.43	120.0	10.57	240.0	12.84
5.0	19.09	125.0	11.04	245.0	12.31
10.0	18.57	130.0	11.65	250.0	11.88
15.0	17.88	135.0	12.39	255.0	11.56
20.0	17.05	140.0	13.25	260.0	11.34
25.0	16.13	145.0	14.18	265.0	11.21
30.0	15.16	150.0	15.16	270.0	11.17
35.0	14.18	155.0	16.13	275.0	11.21
40.0	13.25	160.0	17.05	280.0	11.34
45.0	12.39	165.0	17.88	285.0	11.56
50.0	11.65	170.0	18.57	290.0	11.88
55.0	11.04	175.0	19.09	295.0	12.31
60.0	10.57	180.0	19.43	300.0	12.84
65.0	10.22	185.0	19.55	305.0	13.47
70.0	9.99	190.0	19.47	310.0	14.18
75.0	9.84	195.0	19.19	315.0	14.97
80.0	9.76	200.0	18.74	320.0	15.79
85.0	9.71	205.0	18.13	325.0	16.62
90.0	9.70	210.0	17.41	330.0	17.41
95.0	9.71	215.0	16.62	335.0	18.13
100.0	9.76	220.0	15.79	340.0	18.74
105.0	9.84	225.0	14.97	345.0	19.19
110.0	9.99	230.0	14.18	350.0	19.47
115.0	10.22	235.0	13.47	355.0	19.55



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J8**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N              Lng: 083-38-03 W  
 Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
 Calculated at 35.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	18.01	120.0	10.24	240.0	12.48
5.0	17.72	125.0	10.71	245.0	12.01
10.0	17.28	130.0	11.28	250.0	11.62
15.0	16.69	135.0	11.96	255.0	11.32
20.0	15.99	140.0	12.72	260.0	11.11
25.0	15.21	145.0	13.54	265.0	10.99
30.0	14.38	150.0	14.38	270.0	10.95
35.0	13.54	155.0	15.21	275.0	10.99
40.0	12.72	160.0	15.99	280.0	11.11
45.0	11.96	165.0	16.69	285.0	11.32
50.0	11.28	170.0	17.28	290.0	11.62
55.0	10.71	175.0	17.72	295.0	12.01
60.0	10.24	180.0	18.01	300.0	12.48
65.0	9.88	185.0	18.12	305.0	13.04
70.0	9.61	190.0	18.07	310.0	13.66
75.0	9.43	195.0	17.85	315.0	14.34
80.0	9.31	200.0	17.48	320.0	15.04
85.0	9.25	205.0	16.98	325.0	15.73
90.0	9.23	210.0	16.39	330.0	16.39
95.0	9.25	215.0	15.73	335.0	16.98
100.0	9.31	220.0	15.04	340.0	17.48
105.0	9.43	225.0	14.34	345.0	17.85
110.0	9.61	230.0	13.66	350.0	18.07
115.0	9.88	235.0	13.04	355.0	18.12

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J9**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N                Lng: 083-38-03 W  
Power: 0.002 kW                Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 40.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	16.48	120.0	9.89	240.0	12.04
5.0	16.24	125.0	10.33	245.0	11.63
10.0	15.88	130.0	10.85	250.0	11.29
15.0	15.39	135.0	11.44	255.0	11.02
20.0	14.82	140.0	12.09	260.0	10.83
25.0	14.17	145.0	12.78	265.0	10.72
30.0	13.49	150.0	13.49	270.0	10.68
35.0	12.78	155.0	14.17	275.0	10.72
40.0	12.09	160.0	14.82	280.0	10.83
45.0	11.44	165.0	15.39	285.0	11.02
50.0	10.85	170.0	15.88	290.0	11.29
55.0	10.33	175.0	16.24	295.0	11.63
60.0	9.89	180.0	16.48	300.0	12.04
65.0	9.53	185.0	16.59	305.0	12.51
70.0	9.26	190.0	16.55	310.0	13.03
75.0	9.06	195.0	16.39	315.0	13.58
80.0	8.93	200.0	16.10	320.0	14.15
85.0	8.85	205.0	15.71	325.0	14.71
90.0	8.83	210.0	15.24	330.0	15.24
95.0	8.85	215.0	14.71	335.0	15.71
100.0	8.93	220.0	14.15	340.0	16.10
105.0	9.06	225.0	13.58	345.0	16.39
110.0	9.26	230.0	13.03	350.0	16.55
115.0	9.53	235.0	12.51	355.0	16.59



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J10**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
 Lat: 41-37-34 N              Lng: 083-38-03 W  
 Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
 Calculated at 45.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	14.88	120.0	9.49	240.0	11.47
5.0	14.68	125.0	9.88	245.0	11.13
10.0	14.39	130.0	10.33	250.0	10.85
15.0	14.01	135.0	10.83	255.0	10.63
20.0	13.55	140.0	11.36	260.0	10.47
25.0	13.04	145.0	11.92	265.0	10.37
30.0	12.49	150.0	12.49	270.0	10.34
35.0	11.92	155.0	13.04	275.0	10.37
40.0	11.36	160.0	13.55	280.0	10.47
45.0	10.83	165.0	14.01	285.0	10.63
50.0	10.33	170.0	14.39	290.0	10.85
55.0	9.88	175.0	14.68	295.0	11.13
60.0	9.49	180.0	14.88	300.0	11.47
65.0	9.17	185.0	14.97	305.0	11.85
70.0	8.91	190.0	14.95	310.0	12.26
75.0	8.72	195.0	14.84	315.0	12.70
80.0	8.59	200.0	14.63	320.0	13.14
85.0	8.51	205.0	14.34	325.0	13.58
90.0	8.48	210.0	13.98	330.0	13.98
95.0	8.51	215.0	13.58	335.0	14.34
100.0	8.59	220.0	13.14	340.0	14.63
105.0	8.72	225.0	12.70	345.0	14.84
110.0	8.91	230.0	12.26	350.0	14.95
115.0	9.17	235.0	11.85	355.0	14.97

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J11**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N                  Lng: 083-38-03 W  
Power: 0.002 kW                  Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 50.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	13.23	120.0	9.02	240.0	10.75
5.0	13.07	125.0	9.34	245.0	10.50
10.0	12.84	130.0	9.70	250.0	10.28
15.0	12.55	135.0	10.10	255.0	10.10
20.0	12.20	140.0	10.52	260.0	9.98
25.0	11.81	145.0	10.96	265.0	9.90
30.0	11.39	150.0	11.39	270.0	9.87
35.0	10.96	155.0	11.81	275.0	9.90
40.0	10.52	160.0	12.20	280.0	9.98
45.0	10.10	165.0	12.55	285.0	10.10
50.0	9.70	170.0	12.84	290.0	10.28
55.0	9.34	175.0	13.07	295.0	10.50
60.0	9.02	180.0	13.23	300.0	10.75
65.0	8.75	185.0	13.30	305.0	11.04
70.0	8.52	190.0	13.30	310.0	11.35
75.0	8.35	195.0	13.23	315.0	11.68
80.0	8.23	200.0	13.08	320.0	12.01
85.0	8.16	205.0	12.88	325.0	12.33
90.0	8.13	210.0	12.62	330.0	12.62
95.0	8.16	215.0	12.33	335.0	12.88
100.0	8.23	220.0	12.01	340.0	13.08
105.0	8.35	225.0	11.68	345.0	13.23
110.0	8.52	230.0	11.35	350.0	13.30
115.0	8.75	235.0	11.04	355.0	13.30



**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J12**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N              Lng: 083-38-03 W  
Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 55.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	11.55	120.0	8.43	240.0	9.88
5.0	11.43	125.0	8.68	245.0	9.69
10.0	11.26	130.0	8.95	250.0	9.54
15.0	11.05	135.0	9.25	255.0	9.41
20.0	10.79	140.0	9.57	260.0	9.32
25.0	10.51	145.0	9.89	265.0	9.26
30.0	10.21	150.0	10.21	270.0	9.24
35.0	9.89	155.0	10.51	275.0	9.26
40.0	9.57	160.0	10.79	280.0	9.32
45.0	9.25	165.0	11.05	285.0	9.41
50.0	8.95	170.0	11.26	290.0	9.54
55.0	8.68	175.0	11.43	295.0	9.69
60.0	8.43	180.0	11.55	300.0	9.88
65.0	8.22	185.0	11.61	305.0	10.08
70.0	8.04	190.0	11.62	310.0	10.31
75.0	7.90	195.0	11.57	315.0	10.53
80.0	7.80	200.0	11.48	320.0	10.76
85.0	7.74	205.0	11.35	325.0	10.98
90.0	7.72	210.0	11.18	330.0	11.18
95.0	7.74	215.0	10.98	335.0	11.35
100.0	7.80	220.0	10.76	340.0	11.48
105.0	7.90	225.0	10.53	345.0	11.57
110.0	8.04	230.0	10.31	350.0	11.62
115.0	8.22	235.0	10.08	355.0	11.61

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WTOD AM RADIO STATION**  
**has: 1560 kHz - 5.0 kW - DAD**  
**req: 1560 kHz - 0.002/4.3 kW - DA2**  
**TOLEDO, OHIO**  
**February 2008**

**EXHIBIT #1J13**

**AM DA Radiation Report**

Call: WTOD                      Freq: 1560 kHz                      TOLEDO, OH, US  
Lat: 41-37-34 N              Lng: 083-38-03 W  
Power: 0.002 kW              Theo RMS: 12.92 mV/m @ 1km @ 0.002 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.5	0	0	0.0	0.0	0.0	0.0
2	0.600	15.0	180.0	90.0	92.5	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 60.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	9.86	120.0	7.69	240.0	8.84
5.0	9.77	125.0	7.87	245.0	8.72
10.0	9.66	130.0	8.07	250.0	8.61
15.0	9.51	135.0	8.27	255.0	8.53
20.0	9.34	140.0	8.49	260.0	8.46
25.0	9.14	145.0	8.71	265.0	8.43
30.0	8.93	150.0	8.93	270.0	8.41
35.0	8.71	155.0	9.14	275.0	8.43
40.0	8.49	160.0	9.34	280.0	8.46
45.0	8.27	165.0	9.51	285.0	8.53
50.0	8.07	170.0	9.66	290.0	8.61
55.0	7.87	175.0	9.77	295.0	8.72
60.0	7.69	180.0	9.86	300.0	8.84
65.0	7.54	185.0	9.91	305.0	8.97
70.0	7.41	190.0	9.92	310.0	9.12
75.0	7.31	195.0	9.90	315.0	9.26
80.0	7.23	200.0	9.85	320.0	9.41
85.0	7.19	205.0	9.77	325.0	9.54
90.0	7.17	210.0	9.67	330.0	9.67
95.0	7.19	215.0	9.54	335.0	9.77
100.0	7.23	220.0	9.41	340.0	9.85
105.0	7.31	225.0	9.26	345.0	9.90
110.0	7.41	230.0	9.12	350.0	9.92
115.0	7.54	235.0	8.97	355.0	9.91