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Ritmo Broadcasting, LLC.
Identification of Facilities
Millville, NJ

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed	NJ	MILLVILLE	104.10000		D	250.00	LIC
Unknown or	New	CP 0000120586	RITMO BROADCASTING, LLC.				
39-41-43.3	N	75-17-53.5 W	261.545 281.000				
W281CM	NJ	MILLVILLE	104.10000		D	100.00	LIC
Unknown or	New	CP 0000120586	RITMO BROADCASTING, LLC.				
39-27-31.9	N	75-12-10.5 W	128.535 151.500				
WRFF	PA	PHILADELPHIA	104.50000		B	11500.00	LIC
Unknown or	New	CP BMLH-20090513AAG	AMFM RADIO LICENSES, L.L.C.				
40-02-30.4	N	75-14-22.6 W	301.151 376.000				
WMGM	NJ	ATLANTIC CITY	103.70000		B	50000.00	LIC
Unknown or	New	CP BLH-19971121KA	LONGPORT MEDIA, LLC				
39-23-24.4	N	74-30-43.5 W	107.124 112.000				
W281BH	NJ	ABSECON	104.10000		D	250.00	LIC
Unknown or	New	CP BLFT-20181231AAP	HOPE CHRISTIAN CHURCH OF MARLTON, INC.				
39-22-35.4	N	74-33-42.6 W	95.634 101.000				
WAEB-FM	PA	ALLENTOWN	104.10000		B	50000.00	LIC
Unknown or	New	CP BLH-7006	CAPSTAR TX, LLC				
40-43-13.3	N	75-35-42.6 W	134.773 353.000				
W281CL	NJ	CHERRY HILL	104.10000		D	40.00	LIC
Unknown or	New	CP 0000099038	PRIORITY RADIO, INC.				
39-48-44.2	N	74-55-31.8 W	74.917 102.700				
WXY	MD	HAVRE DE GRACE	103.70000		B	39000.00	CP MOD
Unknown or	New	CP BPH-20160309ABL	FM RADIO LICENSES, LLC				
39-33-55.4	N	76-07-06.8 W	161.214 220.500				
WXY	MD	HAVRE DE GRACE	103.70000		B	37000.00	LIC
Unknown or	New	CP BLH-20021015ABT	FM RADIO LICENSES, LLC				
39-33-52.4	N	76-06-05.8 W	156.870 217.000				
WPHI-FM	PA	JENKINTOWN	103.90000		A	270.00	LIC
Unknown or	New	CP BLH-20070111AAX	RADIO ONE LICENSES, LLC				
40-02-30.0	N	75-14-10.0 W	326.946 403.000				
W281CK	NJ	LAKEWOOD TOWNSHIP	104.10000		D	225.00	LIC
Unknown or	New	CP 0000094164	TOWNSQUARE MEDIA MONMOUTH-OCEAN LICENSE, LLC				
39-52-31.4	N	74-09-55.8 W	142.004 149.000				

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WPRS-FM	MD	WALDORF	104.10000	B	20000.00	LIC
Unknown or New CP BMLH-20070809ABE RADIO ONE LICENSES, LLC						
38-37-07.8	N	76-50-37.9	W	240.585	295.000	
WZFT	MD	BALTIMORE	104.30000	B	13000.00	LIC
Unknown or New CP BLH-20090123AAG CITICASTERS LICENSES, INC.						
39-20-10.4	N	76-38-57.9	W	282.816	378.000	
WNNK-FM	PA	HARRISBURG	104.10000	B	22500.00	LIC
Unknown or New CP BMLH-20050804ADH CUMULUS LICENSING LLC						
40-18-59.3	N	76-57-02.9	W	197.335	379.000	
W281BI	NJ	TRENTON	104.10000	D	250.00	LIC
Unknown or New CP BLFT-20160930ABF AMFM RADIO LICENSES, L.L.C.						
40-16-37.1	N	74-49-32.4	W	35.768	98.000	
WQHQ	MD	OCEAN CITY-SALISBURY	104.70000	B	33000.00	LIC
Unknown or New CP BLH-19800505AB CAPSTAR TX, LLC						
38-23-15.4	N	75-17-28.6	W	181.469	189.000	
W278AK	PA	VILLAGE GREEN	103.50000	D	80.00	LIC
Unknown or New CP BLFT-19980402TE PRIORITY RADIO, INC.						
39-50-07.4	N	75-25-23.7	W	77.597	122.000	
W280CP	PA	WAGONTOWN	103.90000	D	5.00	LIC
Unknown or New CP BLFT-19871026TB WDAC RADIO COMPANY						
40-00-44.3	N	75-50-32.8	W	-14.183	177.000	
WAXQ	NY	NEW YORK	104.30000	B	6000.00	LIC
Unknown or New CP BLH-19960426KA AMFM RADIO LICENSES, L.L.C.						
40-44-54.3	N	73-59-08.5	W	409.707	429.000	
WOCQ	MD	BERLIN	103.90000	A	6000.00	LIC
Unknown or New CP BLH-19980630KF ADAMS RADIO OF DELMARVA PENINSULA, LLC						
38-22-58.4	N	75-18-56.7	W	102.744	111.000	
WTOP-FM	DC	WASHINGTON	103.50000	B	44000.00	LIC
Unknown or New CP 0000108449 WASHINGTON DC FCC LICENSE SUB, LLC						
38-56-10.4	N	77-05-31.9	W	146.312	228.000	
W282AW	MD	SALISBURY	104.30000	D	250.00	LIC
Unknown or New CP BLFT-20170501AAH ADAMS RADIO OF DELMARVA PENINSULA, LLC						
38-23-09.4	N	75-35-30.7	W	133.466	143.000	
WTOP-FM	DC	WASHINGTON	103.50000	B	44000.00	LIC
Unknown or New CP BMLH-20110215ABQ WASHINGTON DC FCC LICENSE SUB, LLC						
38-56-10.4	N	77-05-31.9	W	142.628	228.000	

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W284BE MD HAVRE DE GRACE 104.70000 D 250.00 LIC
Unknown or New CP BLFT-20151013AEM HOPE CHRISTIAN CHURCH OF MARLTON, INC.
39-33-52.4 N 76-06-05.8 W 135.920 207.000

WJKI-FM DE BETHANY BEACH 103.50000 A 1450.00 LIC
Unknown or New CP BLH-19960611KA THE VOICE RADIO, LLC
38-34-21.4 N 75-06-56.6 W 145.504 148.000

WKTU NY LAKE SUCCESS 103.50000 B 6000.00 LIC
Unknown or New CP BLH-20030604ACH AMFM RADIO LICENSES, L.L.C.
40-44-54.4 N 73-59-08.5 W 412.582 429.000

WAYZ MD HAGERSTOWN 104.70000 B 8300.00 LIC
Unknown or New CP BLH-19900814KF HJV LIMITED PARTNERSHIP
39-41-47.3 N 77-30-45.9 W 385.354 720.000

WCNM NJ HAZLET 103.90000 D 10.00 LIC
Unknown or New CP BLED-20130702ACK CANTICO NUEVO MINISTRY, INC.
40-22-55.6 N 74-12-37.7 W 60.973 112.200

WMMR PA PHILADELPHIA 93.30000 B 16500.00 LIC
Unknown or New CP BMLH-20061205ADU BEASLEY MEDIA GROUP LICENSES, LLC
39-57-09.4 N 75-10-03.6 W 261.065 292.000

Terrain Data is calculated using USGS 3 ARC second Data.

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The proposed translator will broadcast on 281, which is within the 60 dBu contour of second adjacent station WRFF on channel 283. The WRFF interfering contour at the translator site is 67.3 dBu F(50,50). Using the ratio of 100:1 (translator to WRFF) on the second adjacent channels, the population within the proposed translator 107.3 dBu contour is zero. Applying the antenna manufacturer's vertical radiation pattern the area of interference is able to be more accurately calculated geometrically than just by using the free space equation alone. This particular antenna is a four bay full-wave spaced PSI FML. It was determined from the manufacturer's vertical plan that at 65 degrees below horizontal the interference area would reach the ground and extend 145.9 meters horizontally. We have proposed the antenna radiation center will be 256 meters above ground with an Effective Radiated Power of 250 watts. There are no occupied structures or elevated roadways within the interference area of the translator.

Therefore, the application is in compliance with the following: §74.1204 (d) "The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable."

Allocation Study

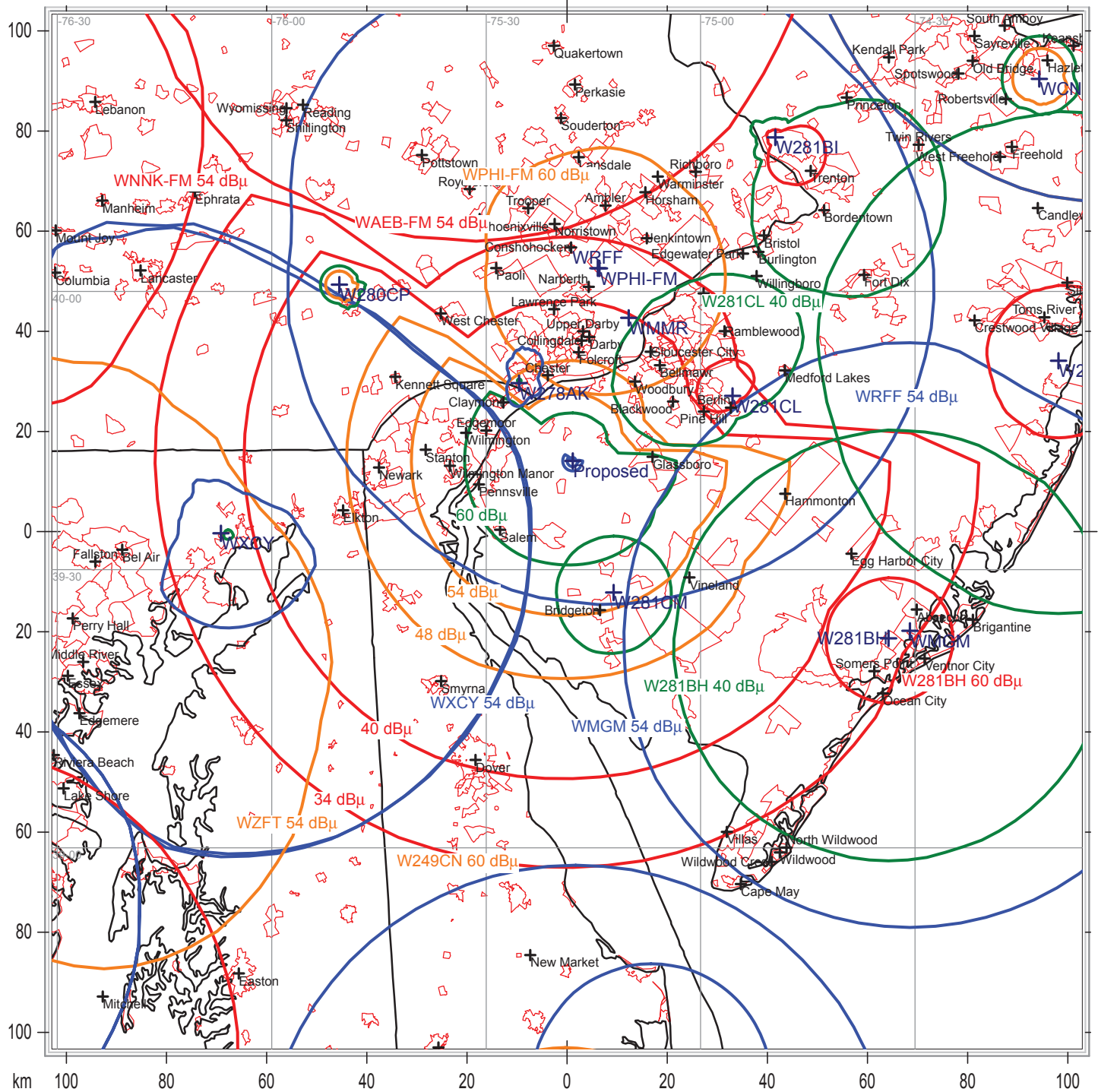


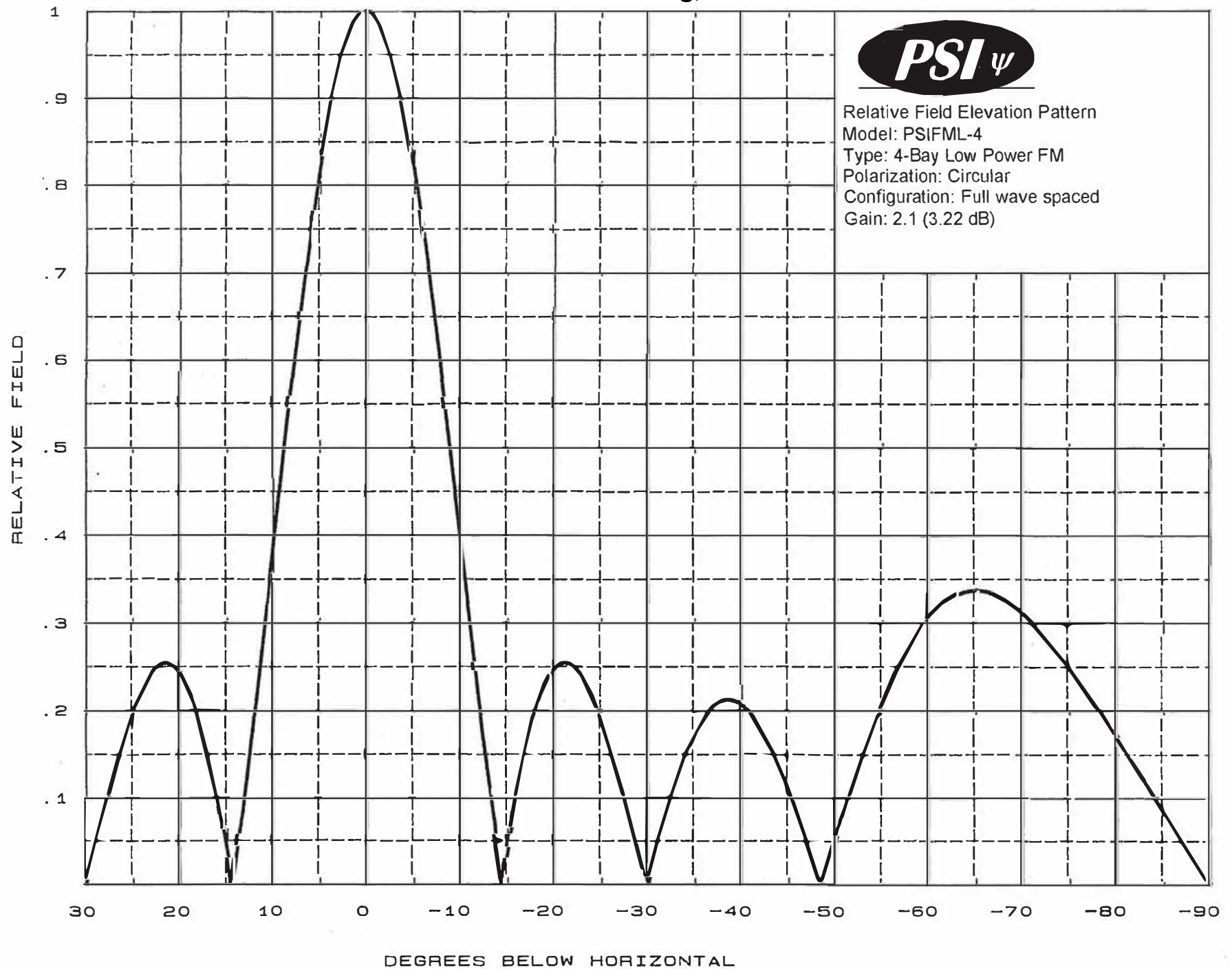
Figure 1
Ritmo Broadcasting, LLC.
Allocation Study
Millville, NJ

State Borders City Borders Lat/Lon Grid

Figure 2
Minimum Ground Clearance

Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to interfering Contour from Antenna (m)	Horizontal Distance of Interfering contour from tower (m)	Vertical Clearance of Interfering contour above TGL (m)
5	0.819	167.7	392	390.5	221.8
10	0.388	37.6	186	183.2	223.7
15	0.037	0.3	17	16.4	251.6
20	0.245	15.0	117	109.9	216.0
25	0.193	9.3	92	83.4	217.1
30	0.001	0.0	0	0.0	256.0
35	0.168	7.1	81	66.4	209.5
40	0.207	10.7	99	75.8	192.4
45	0.114	3.2	54	38.2	217.8
50	0.048	0.6	23	14.8	238.4
55	0.204	10.4	98	56.2	175.7
60	0.304	23.1	145	72.5	130.4
65	0.337	28.4	161	68.0	110.1
70	0.312	24.3	149	51.0	116.0
75	0.252	15.9	121	31.3	139.1
80	0.173	7.5	83	14.4	174.3
85	0.087	1.9	42	3.7	214.2
90	0.001	0.0	0	0.0	256.0
Minimum Clearance above TGL:					110.1 m

Figure 3 Page 1
Ritmo Broadcasting, LLC.





Propagation Systems Inc.
Elevation Pattern Tabulation
Antenna: PSIFML-4 Special
Bay spacing: fullwave

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-90.0	0.001	-60.000	-50.0	0.048	-26.315	-10.0	0.388	-8.216
-89.0	0.017	-35.177	-49.0	0.014	-36.928	-9.0	0.483	-6.326
-88.0	0.035	-29.156	-48.0	0.020	-34.179	-8.0	0.575	-4.804
-87.0	0.052	-25.634	-47.0	0.053	-25.584	-7.0	0.663	-3.563
-86.0	0.070	-23.136	-46.0	0.084	-21.489	-6.0	0.745	-2.553
-85.0	0.087	-21.198	-45.0	0.114	-18.890	-5.0	0.819	-1.738
-84.0	0.104	-19.626	-44.0	0.140	-17.049	-4.0	0.882	-1.095
-83.0	0.122	-18.297	-43.0	0.164	-15.714	-3.0	0.932	-0.609
-82.0	0.139	-17.153	-42.0	0.183	-14.750	-2.0	0.970	-0.269
-81.0	0.156	-16.151	-41.0	0.198	-14.085	-1.0	0.992	-0.067
-80.0	0.173	-15.260	-40.0	0.207	-13.676	0.0	1.000	0.000
-79.0	0.189	-14.460	-39.0	0.211	-13.512	1.0	0.992	-0.067
-78.0	0.205	-13.746	-38.0	0.209	-13.587	2.0	0.970	-0.269
-77.0	0.221	-13.104	-37.0	0.202	-13.914	3.0	0.932	-0.609
-76.0	0.237	-12.517	-36.0	0.188	-14.529	4.0	0.882	-1.094
-75.0	0.252	-11.989	-35.0	0.168	-15.492	5.0	0.819	-1.737
-74.0	0.266	-11.515	-34.0	0.143	-16.901	6.0	0.745	-2.552
-73.0	0.279	-11.095	-33.0	0.113	-18.959	7.0	0.664	-3.561
-72.0	0.291	-10.720	-32.0	0.078	-22.121	8.0	0.575	-4.802
-71.0	0.302	-10.392	-31.0	0.040	-27.861	9.0	0.483	-6.323
-70.0	0.312	-10.114	-30.0	0.001	-60.000	10.0	0.388	-8.213
-69.0	0.321	-9.881	-29.0	0.041	-27.700	11.0	0.294	-10.621
-68.0	0.327	-9.698	-28.0	0.083	-21.647	12.0	0.203	-13.855
-67.0	0.332	-9.566	-27.0	0.123	-18.221	13.0	0.116	-18.718
-66.0	0.336	-9.483	-26.0	0.160	-15.926	14.0	0.035	-29.007
-65.0	0.337	-9.460	-25.0	0.193	-14.301	15.0	0.037	-28.679
-64.0	0.335	-9.495	-24.0	0.220	-13.164	16.0	0.100	-20.013
-63.0	0.331	-9.594	-23.0	0.240	-12.412	17.0	0.153	-16.322
-62.0	0.325	-9.758	-22.0	0.251	-12.010	18.0	0.195	-14.220
-61.0	0.316	-10.005	-21.0	0.253	-11.942	19.0	0.225	-12.951
-60.0	0.304	-10.336	-20.0	0.245	-12.233	20.0	0.245	-12.233
-59.0	0.290	-10.761	-19.0	0.225	-12.951	21.0	0.253	-11.942
-58.0	0.272	-11.300	-18.0	0.195	-14.213	22.0	0.251	-12.010
-57.0	0.252	-11.968	-17.0	0.153	-16.313	23.0	0.240	-12.412
-56.0	0.229	-12.794	-16.0	0.100	-20.000	24.0	0.220	-13.164
-55.0	0.204	-13.816	-15.0	0.037	-28.643	25.0	0.193	-14.301
-54.0	0.176	-15.087	-14.0	0.035	-29.044	26.0	0.160	-15.918
-53.0	0.146	-16.691	-13.0	0.116	-18.729	27.0	0.123	-18.221
-52.0	0.115	-18.797	-12.0	0.203	-13.862	28.0	0.083	-21.647
-51.0	0.082	-21.727	-11.0	0.294	-10.626	29.0	0.041	-27.700
						30.0	0.001	-60.000

file: FML 4-bay elevation tabulation

revision: A

Date: 1/28/08