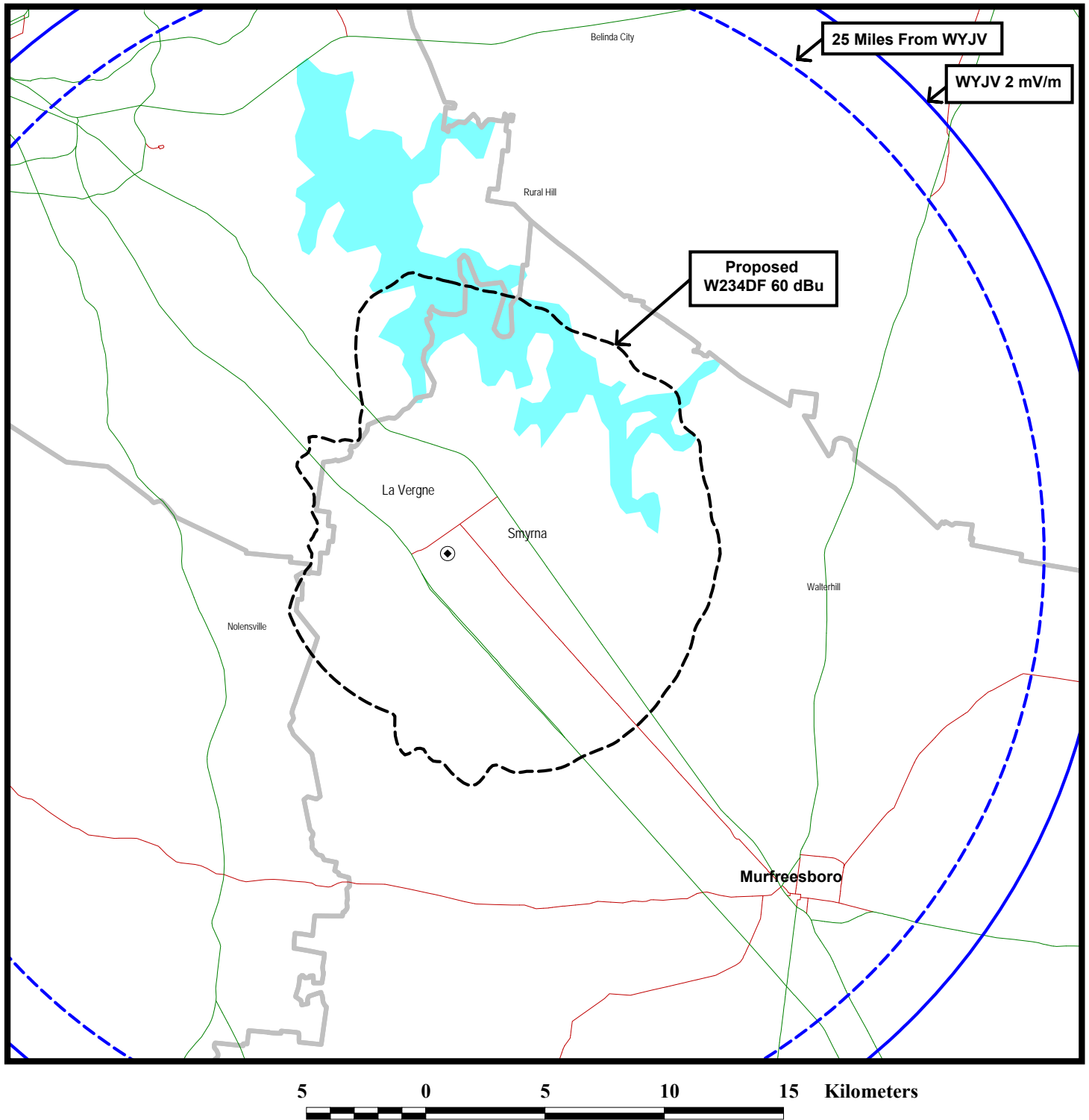


Figure 1



AM FILL-IN COMPLIANCE MAP

FM TRANSLATOR STATION W234DF
SMYRNA, TENNESSEE
CH 288 (105.5 MHZ) 0.250 KW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

FM Contour Study

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida



Channel: 288 **Coordinates:** 035-58-30.8 086-33-16 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 90 m **Considering Only Interference Caused**

Comment: Proposed W234DF

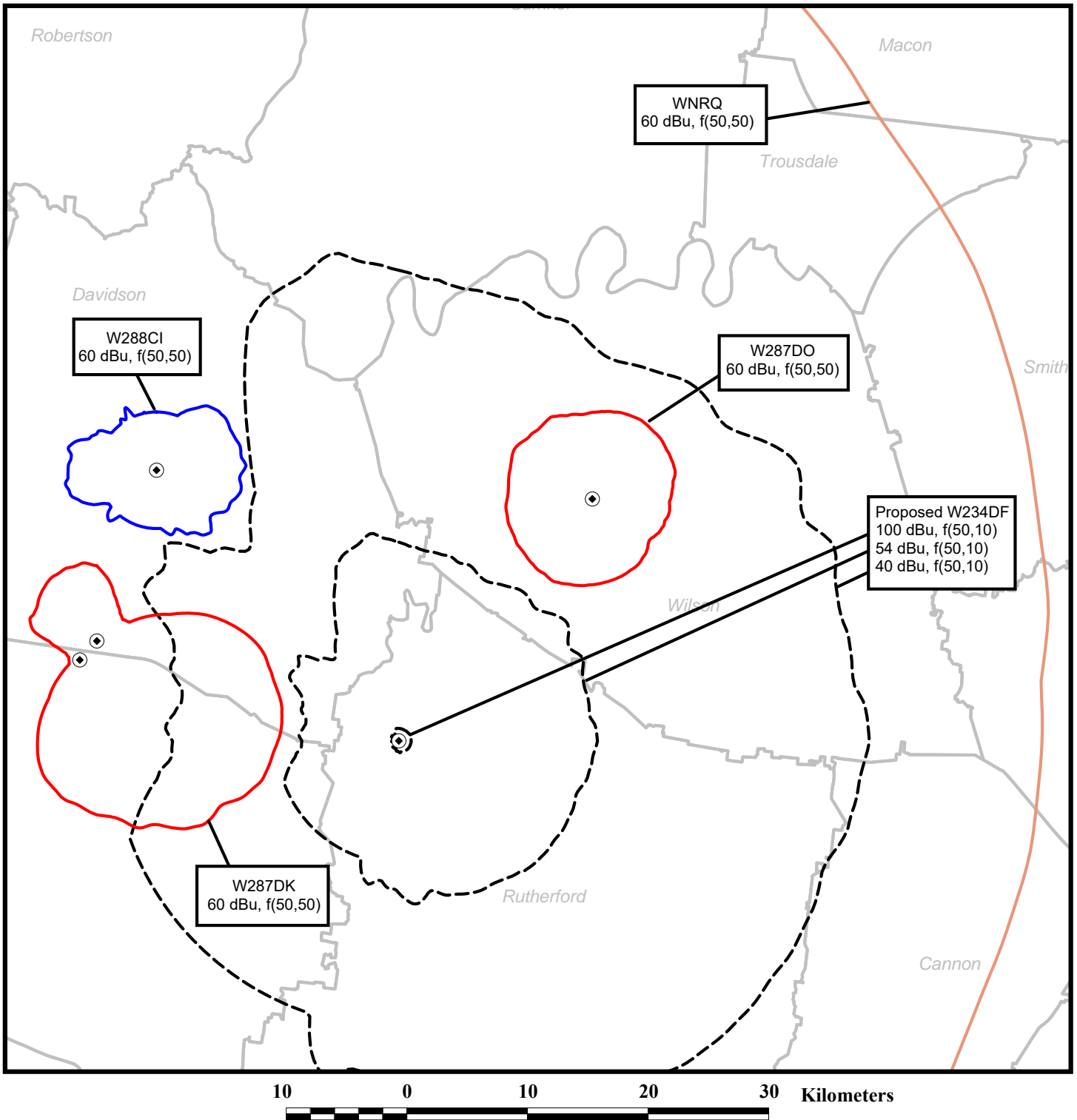
Callsign	Chan.	Service	Status	Freq.	City	State	Co.	Rec.	Latitude	Dist. (km)	Sep. (km)	Spac. (km)
Facility ID	ARN			Class	DA	73.215	ERP (kW)	HAAT (m)	Longitude	Bear. (deg)	Comment	
W234DF	234	FX	CP	94.7	SMYRNA	TN	US	C	35-58-30.8	0	29	-29
201615	BNPFT	20180320ABI	D	C	N		0.25		086-33-16	179.99	SHORT	/1
W236CI	235	FX	CP	94.9	MURFREESBORO	TN	US	C	35-50-56	22.96	29	-6.04
141270	BPFT	20180206AAP	D	C	N		0.13		086-21-11	127.7	SHORT	/1
W235BW	235	FX	LIC	94.9	NASHVILLE	TN	US	C	36-08-27	33.52	29	4.52
142861	BLFT	20131024ALB	D	C	N		0.25		086-51-56	303.46	CLOSE	
WBOZ	285	FM	LIC	104.9	WOODBURY	TN	US	C	35-49-33	39.46	37.99	1.47
15531	BLH	19970214KB	A	N	Y		6	100	086-09-28	114.82	CLOSE	
WBOZ 60.0 dBu desired distance: 36.9 km						Proposed 100.0 dBu undesired distance: 1.1 km						
W285FB	285	FX	LIC	104.9	BELLEVUE	TN	US	C	36-02-46.6	26.03	20.42	5.61
156000	BLFT	20161028ABF	D	D	N		0.23		086-49-46.7	287.78	CLOSE	
W285FB 60.0 dBu desired distance: 19.4 km						Proposed 100.0 dBu undesired distance: 1.1 km						
W287DK	287	FX	LIC	105.3	BRENTWOOD	TN	US	C	36-02-58.8	26.44	44.07	-17.63
200879	BLFT	20190312AAP	D	C	N		0.25		086-49-59	288.36	SHORT	/2
W287DK 60.0 dBu desired distance: 26.0 km						Proposed 54.0 dBu undesired distance: 18.0 km						
W287DO	287	FX	LIC	105.3	LEBANON	TN	US	C	36-09-20	25.68	25.7	-0.02
138655	BLFT	20180928ACM	D	N	N		0.01		086-22-33	38.63	SHORT	/2
W287DO 60.0 dBu desired distance: 7.7 km						Proposed 54.0 dBu undesired distance: 18.0 km						
W288CI	288	FX	LIC	105.5	NASHVILLE	TN	US	C	36-10-37	30.11	49.69	-19.58
141076	BLFT	20130612AAL	D	N	N		0.055	43.5	086-46-41	318.21	SHORT	/2
W288CI 60.0 dBu desired distance: 7.6 km						Proposed 40.0 dBu undesired distance: 42.1 km						
WNRQ	290	FM	LIC	105.9	NASHVILLE	TN	US	C	36-02-08	27.38	84.78	-57.4
34392	BLH	19831212AN	C		N		100	376	086-50-56	284.3	SHORT	/3
WNRQ 60.0 dBu desired distance: 83.7 km						Proposed 100.0 dBu undesired distance: 1.1 km						

/1 Not an allocation issue.

/2 Proposal complies with the contour overlap provisions of Section 74.1204(a). See Figure 3.

/3 There will be contour overlap normally prohibited by Section 74.1204. However, based on the undesired-to-desired (U/D) signal strength ratio method which is permitted by the FCC per Living Way Ministries, Inc., it has been determined that no actual interference would occur due to lack of population under Section 74.1204(d). See Exhibit 17 and Figure 4.

Figure 3



COMPLIANCE WITH SECTION 74.1204

FM TRANSLATOR STATION W234DF

SMYRNA, TENNESSEE

CH 288 (105.5 MHZ) 0.250 KW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 4

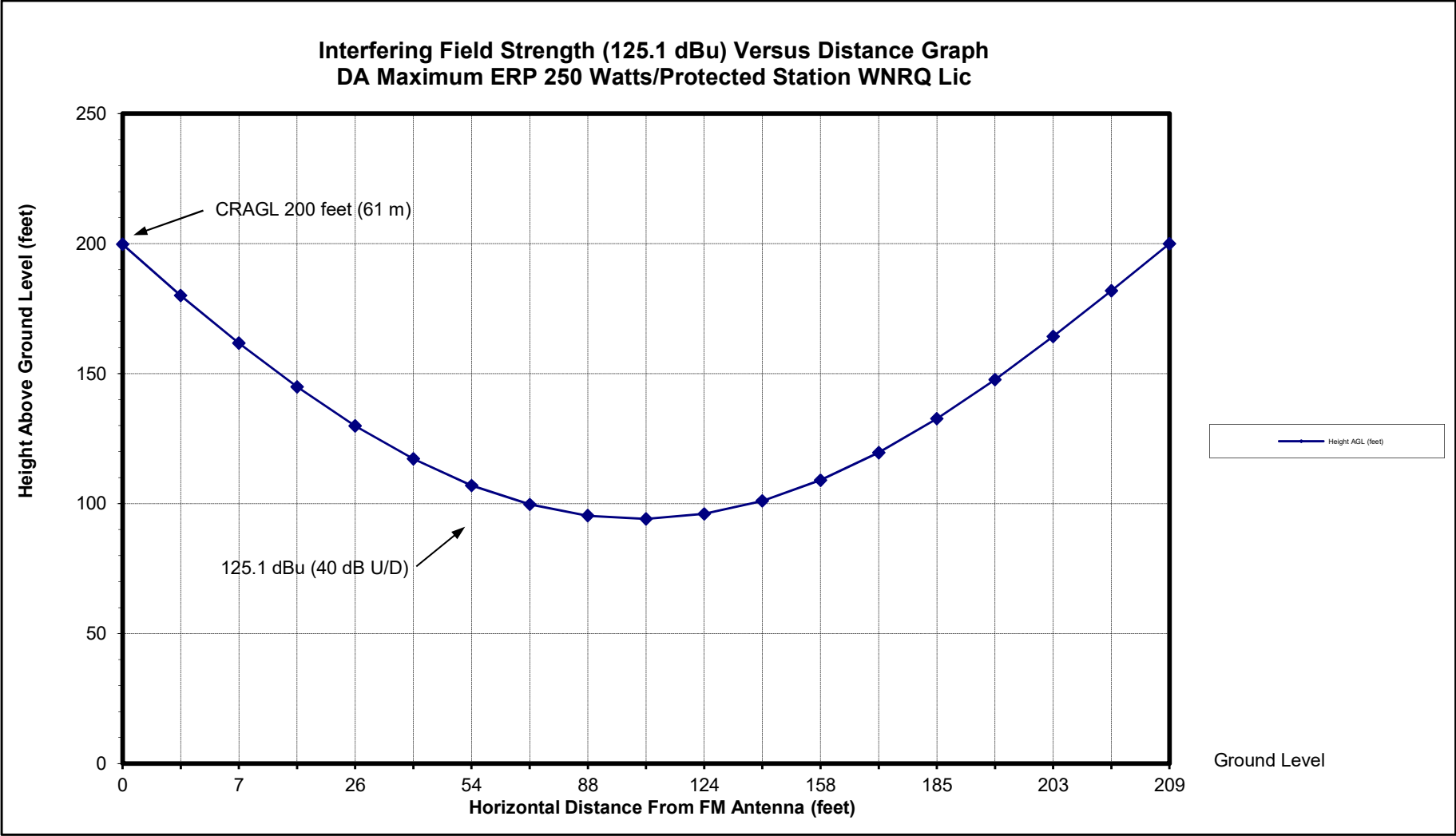


Figure 5
Sheet 3 of 3

Figure 5

Antenna Mfg.: Shively Labs
Antenna Type: 6812-1

Date: 11/23/2011

Station: none

Beam Tilt 0

Frequency: 93.1

Gain (Max) 0.460 -3.369 dB

Channel #: 226

Gain (Horizon) 0.460 -3.369 dB

Figure: 3

Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field
-90	0.000	-44	0.729	0	1.000	46	0.705
-89	0.021	-43	0.741	1	1.000	47	0.693
-88	0.040	-42	0.752	2	0.999	48	0.680
-87	0.059	-41	0.763	3	0.999	49	0.667
-86	0.078	-40	0.774	4	0.998	50	0.654
-85	0.096	-39	0.785	5	0.996	51	0.641
-84	0.114	-38	0.796	6	0.995	52	0.628
-83	0.133	-37	0.806	7	0.993	53	0.614
-82	0.151	-36	0.816	8	0.991	54	0.600
-81	0.168	-35	0.826	9	0.988	55	0.586
-80	0.186	-34	0.835	10	0.985	56	0.572
-79	0.204	-33	0.845	11	0.982	57	0.558
-78	0.221	-32	0.854	12	0.979	58	0.544
-77	0.239	-31	0.862	13	0.975	59	0.529
-76	0.256	-30	0.871	14	0.971	60	0.514
-75	0.273	-29	0.879	15	0.967	61	0.499
-74	0.290	-28	0.887	16	0.963	62	0.484
-73	0.307	-27	0.895	17	0.958	63	0.469
-72	0.324	-26	0.903	18	0.953	64	0.453
-71	0.341	-25	0.910	19	0.948	65	0.437
-70	0.357	-24	0.917	20	0.942	66	0.422
-69	0.373	-23	0.924	21	0.936	67	0.406
-68	0.390	-22	0.930	22	0.930	68	0.390
-67	0.406	-21	0.936	23	0.924	69	0.373
-66	0.422	-20	0.942	24	0.917	70	0.357
-65	0.437	-19	0.948	25	0.910	71	0.341
-64	0.453	-18	0.953	26	0.903	72	0.324
-63	0.469	-17	0.958	27	0.895	73	0.307
-62	0.484	-16	0.963	28	0.887	74	0.290
-61	0.499	-15	0.967	29	0.879	75	0.273
-60	0.514	-14	0.971	30	0.871	76	0.256
-59	0.529	-13	0.975	31	0.862	77	0.239
-58	0.544	-12	0.979	32	0.854	78	0.221
-57	0.558	-11	0.982	33	0.845	79	0.204
-56	0.572	-10	0.985	34	0.835	80	0.186
-55	0.586	-9	0.988	35	0.826	81	0.168
-54	0.600	-8	0.991	36	0.816	82	0.151
-53	0.614	-7	0.993	37	0.806	83	0.133
-52	0.628	-6	0.995	38	0.796	84	0.114
-51	0.641	-5	0.996	39	0.785	85	0.096
-50	0.654	-4	0.998	40	0.774	86	0.078
-49	0.667	-3	0.999	41	0.763	87	0.059
-48	0.680	-2	0.999	42	0.752	88	0.040
-47	0.693	-1	1.000	43	0.741	89	0.021
-46	0.705	0	1.000	44	0.729	90	0.000
-45	0.717			45	0.717		