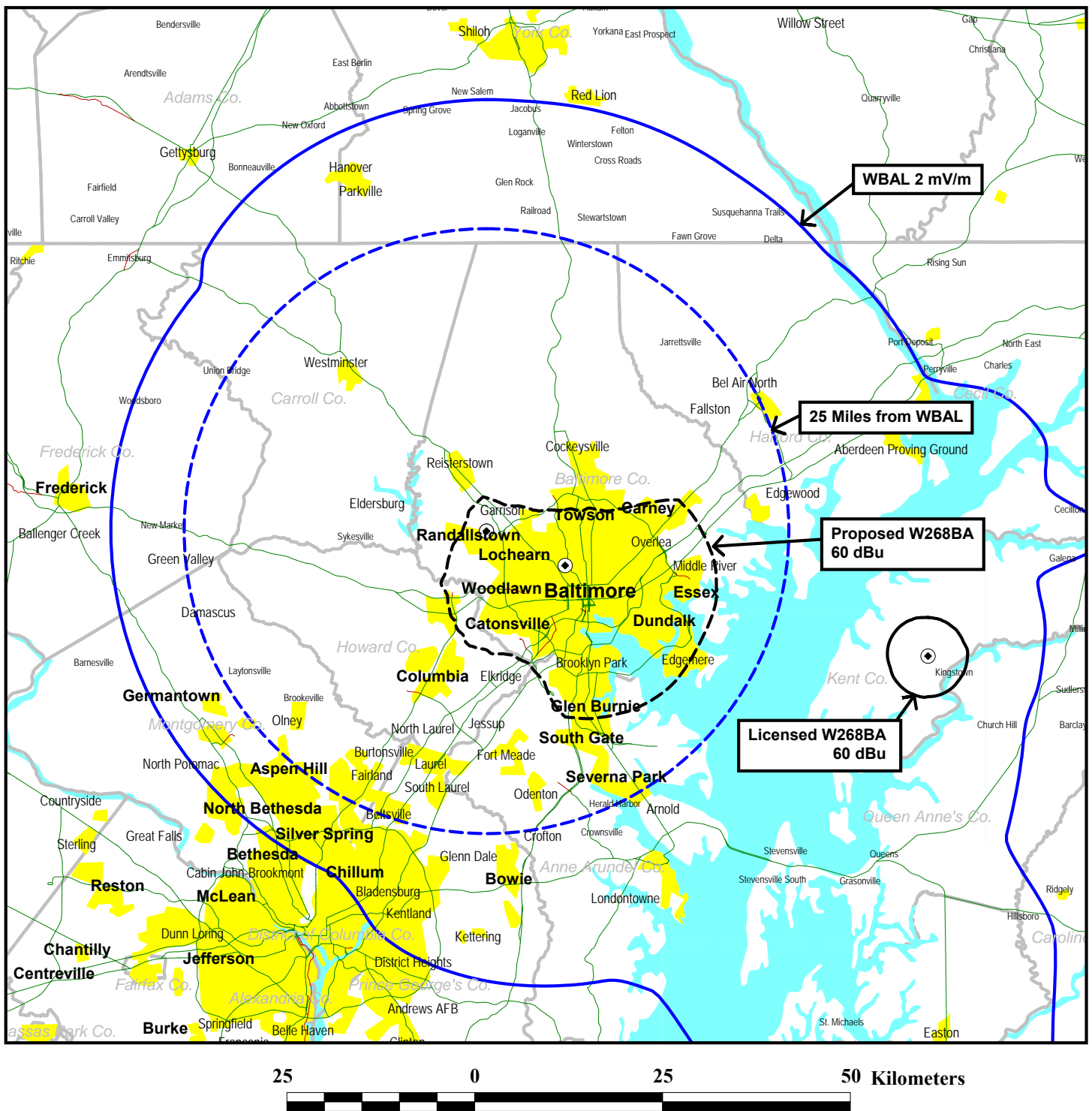


### Figure 1

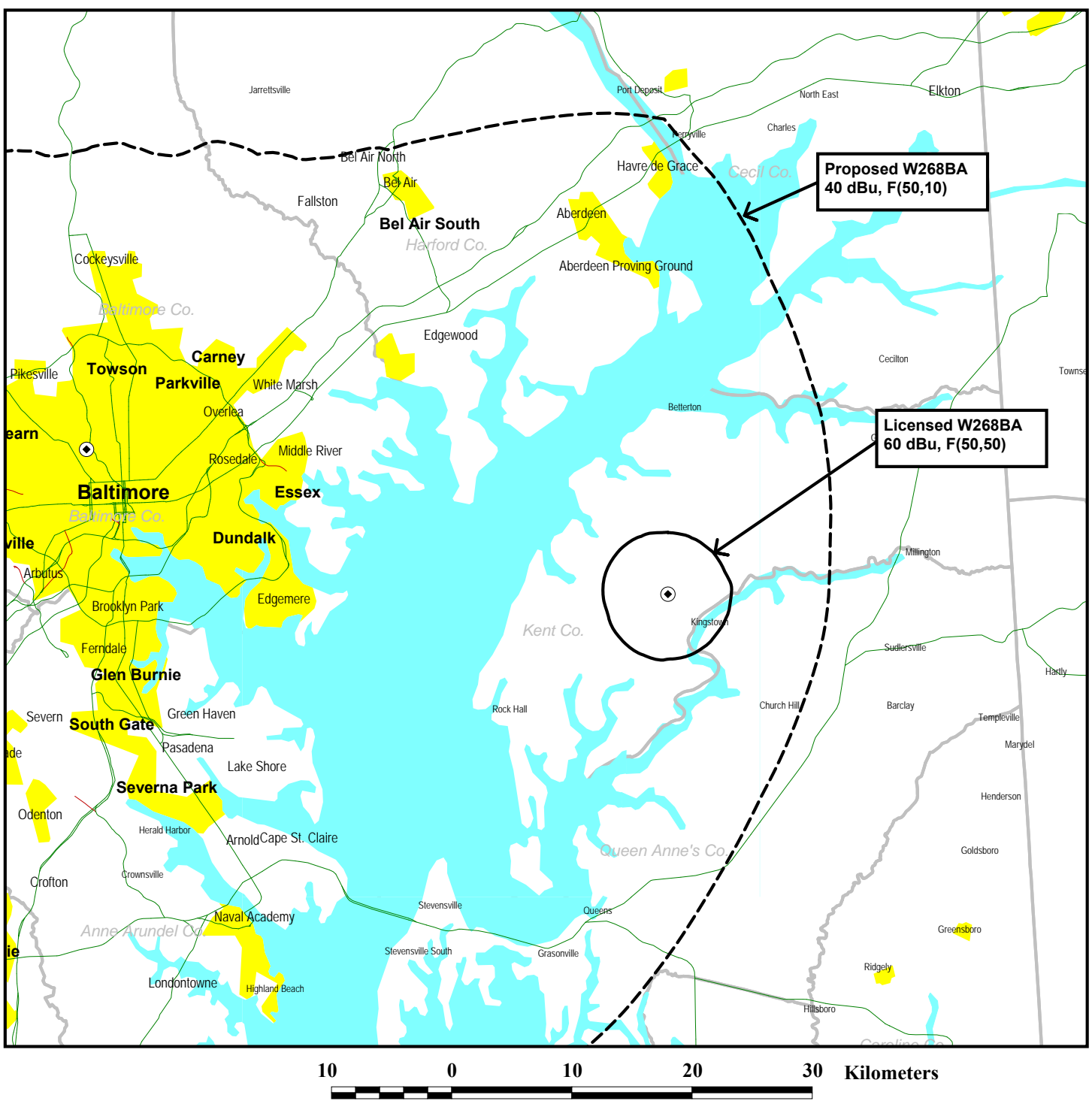


## AM FILL-IN COMPLIANCE MAP

FM TRANSLATOR STATION W268BA  
BALTIMORE, MARYLAND  
CH 268 (101.5 MHZ) 0.25 kW (DA)

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

Figure 2



**MUTUAL EXCLUSIVITY SHOWING**  
**FM TRANSLATOR STATION W268BA**  
**BALTIMORE, MARYLAND**  
**CH 268 (101.5 MHz) 0.25 kW (DA)**  
**du Treil, Lundin & Rackley, Inc. Sarasota, Florida**

# FM Contour Study

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



**Channel:** 268 **Coordinates:** 039-20-05 076-39-03 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 270 m **Considering Only Interference Caused**

**Comment:** Proposed W268BA

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	
<b>WWDC</b>	266	FM	LIC	101.1	WASHINGTON	DC	US	C	38-59-59	51.17	71.98	-20.81
8682	BMLH	20130909ABL	B	N	N		22.5	232	077-03-27	223.39	<b>SHORT</b>	/1
WWDC 54.0 dBu desired distance: 70.0 km				Proposed 94.0 dBu undesired distance: 2.0 km								
<b>WROZ</b>	267	FM	LIC	101.3	LANCASTER	PA	US	C	40-02-04	77.74	113.56	-35.82
25865	BLH	20010126AAK	B	N	N		7.4	379	076-37-08	2	<b>SHORT</b>	/2
WROZ 54.0 dBu desired distance: 68.7 km				Proposed 48.0 dBu undesired distance: 44.8 km								
<b>W268BA</b>	268	FX	CP	101.5	BALTIMORE	MD	US	C	39-20-05	0	86.53	-86.53
154255	BPFT	20171121ABL	D	C	N		0.25		076-39-03	180	<b>SHORT</b>	/3
W268BA 60.0 dBu desired distance: 21.3 km				Proposed 40.0 dBu undesired distance: 65.2 km								
<b>WBHB-FM</b>	268	FM	LIC	101.5	WAYNESBORO	PA	US	C	39-49-44	94.95	150.67	-55.72
27401	BLH	19861114KA	B	D	N		50	70	077-33-10	305.7	<b>SHORT</b>	/2
WBHB-FM 54.0 dBu desired distance: 67.7 km				Proposed 34.0 dBu undesired distance: 82.9 km								
<b>WBQB</b>	268	FM	LIC	101.5	FREDERICKSBURG	VA	US	C	38-19-57	128.65	151.89	-23.24
41812	BLH	19910701KC	B	D	N		50	150	077-23-41	210.27	<b>SHORT</b>	/2
WBQB 54.0 dBu desired distance: 69.0 km				Proposed 34.0 dBu undesired distance: 82.9 km								
<b>W268BA</b>	268	FX	LIC	101.5	CHURCH HILL	MD	US	C	39-13-35	49.96	70.7	-20.74
154255	BLFT	20150423ABH	D	N	N		0.018		076-05-20	103.81	<b>SHORT</b>	/4
W268BA 60.0 dBu desired distance: 5.5 km				Proposed 40.0 dBu undesired distance: 65.2 km								
<b>WLIF</b>	270	FM	LIC	101.9	BALTIMORE	MD	US	C	39-25-07	12.46	71.61	-59.15
28637	BLH	20151117AJM	B	N	N		13.5	290	076-33-17	41.5	<b>SHORT</b>	/1
WLIF 54.0 dBu desired distance: 69.6 km				Proposed 94.0 dBu undesired distance: 2.0 km								

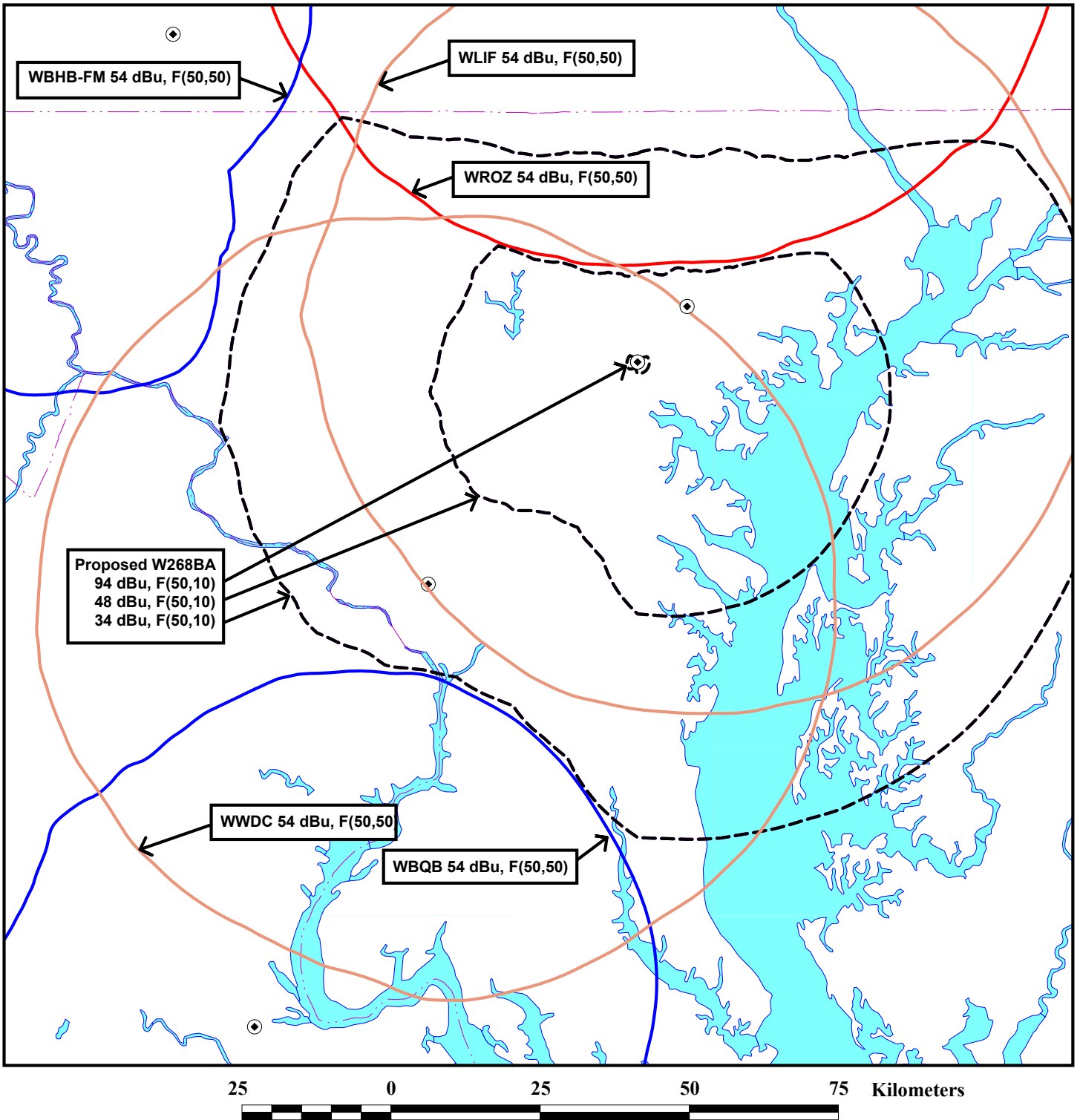
/1 There is overlap normally prohibited by Section 74.1204. However, based on the U/D signal strength interference ratio method, which is permitted by the FCC per Living Way Ministries, Inc., it has been determined that no actual interference would occur due to lack of population under Section 73.1204(d). See Exhibit 17 and Figure 5.

/2 Proposal complies with the contour overlap provisions of Section 74.1204(a). See Figure 4.

/3 Authorized W268BA operation being modified by the instant application.

/4 Licensed W268BA operation.

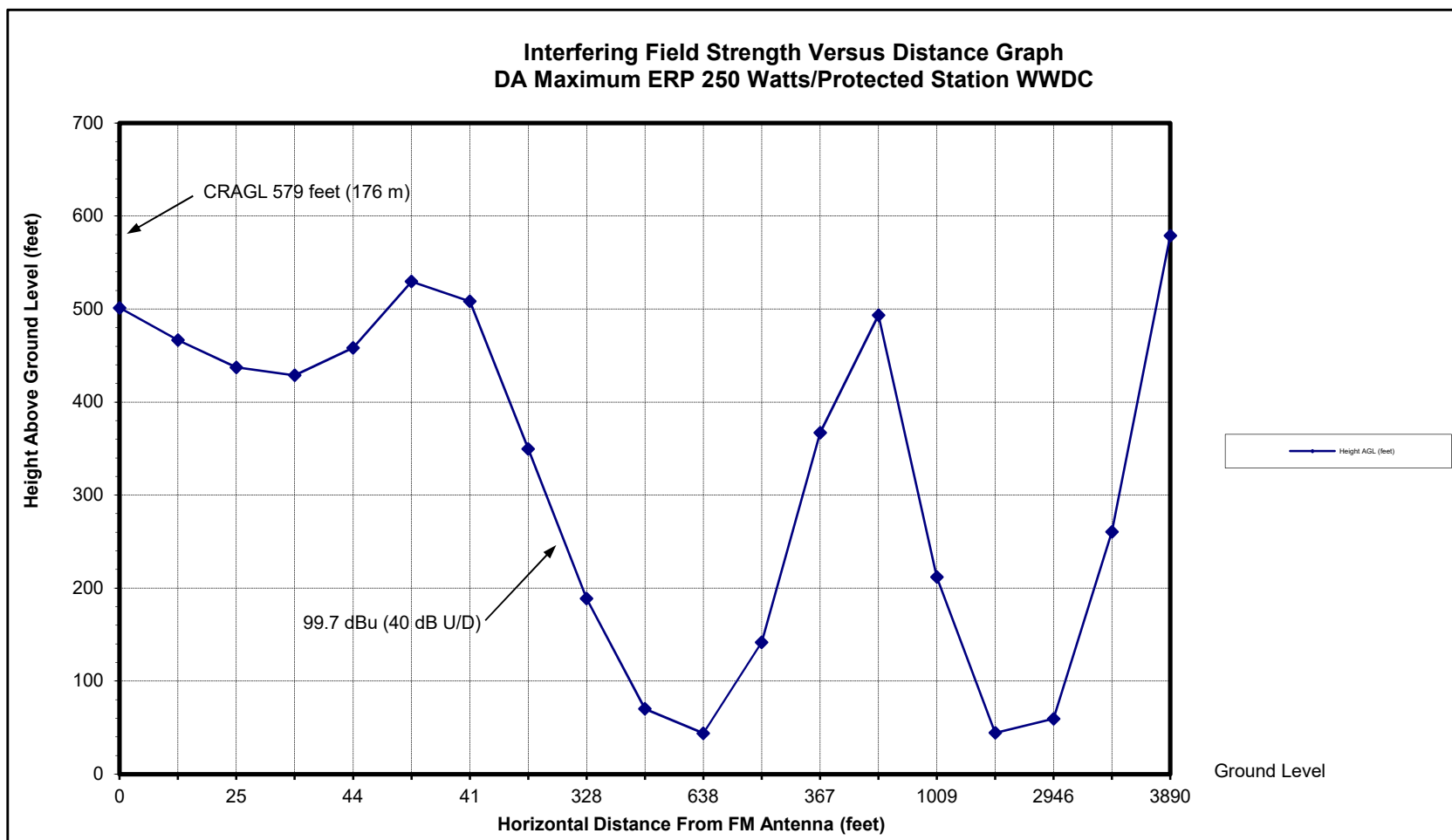
Figure 4



**COMPLIANCE WITH SECTION 74.1204**  
**FM TRANSLATOR STATION W268BA**  
**BALTIMORE, MARYLAND**  
**CH 268 (101.5 MHz) 0.25 kW (DA)**

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

Figure 5



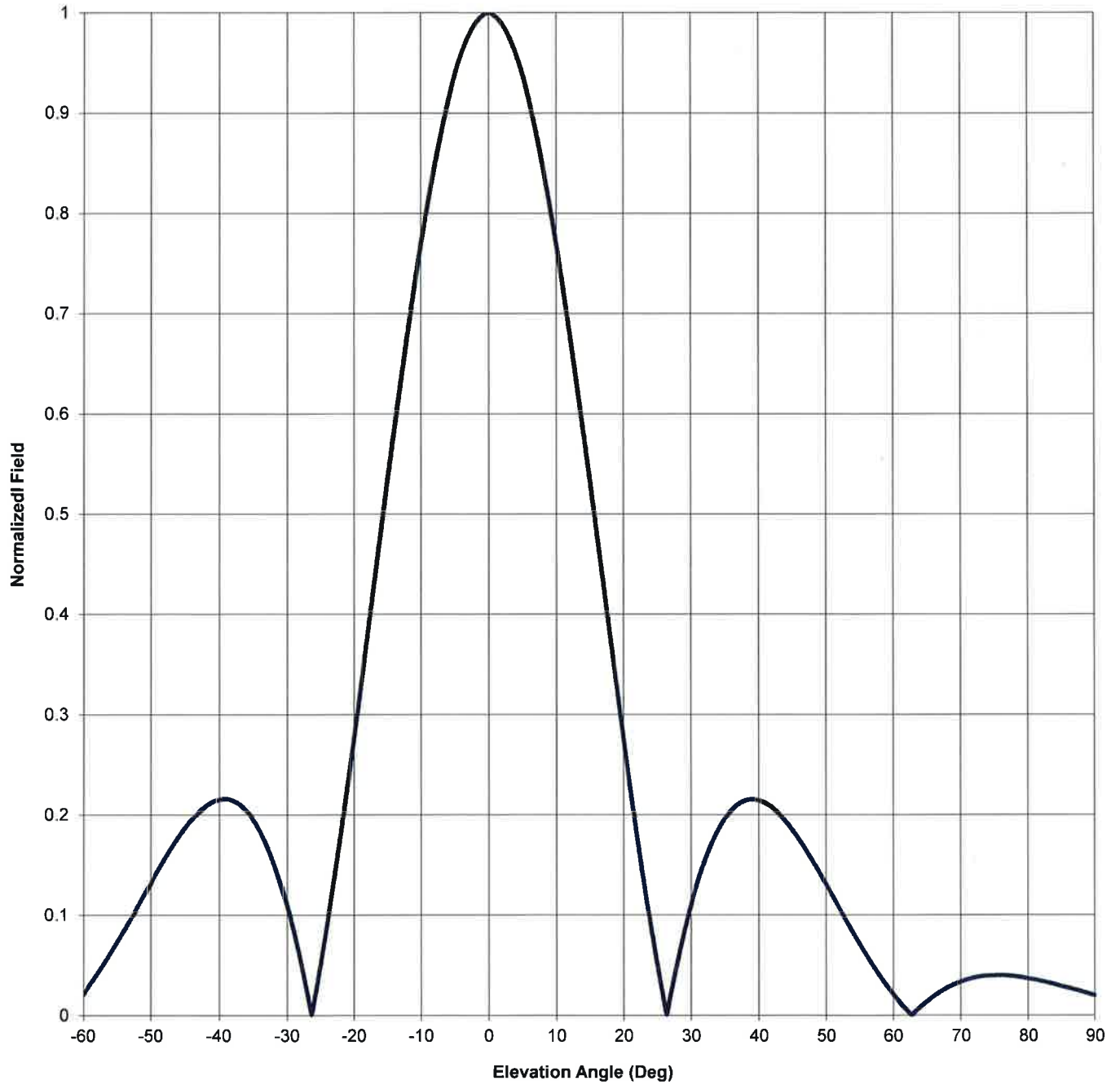
Antenna Mfg.: Shively Labs  
Antenna Type: 6025-3/3/(.75-SS)-DA

Date: 3/2/2018

Station: W268BA  
Frequency: 101.5  
Channel #: 268

Beam Tilt	0	
Gain (Max)	3.453	5.382 dB
Gain (Horizon)	3.453	5.382 dB

Figure: Figure 3



Antenna Mfg.: Shively Labs  
Antenna Type: 6025-3/3/ (.75-SS)-DA

Date: 3/2/2018

Station: W268BA

Beam Tilt 0

Frequency: 101.5

Gain (Max) 3.453

5.382 dB

Channel #: 268

Gain (Horizon) 3.453

5.382 dB

Figure: 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	0.020	-44	0.194	0	1.000	46	0.175
-89	0.022	-43	0.202	1	0.996	47	0.165
-88	0.024	-42	0.208	2	0.989	48	0.154
-87	0.026	-41	0.212	3	0.976	49	0.143
-86	0.027	-40	0.215	4	0.959	50	0.131
-85	0.029	-39	0.216	5	0.939	51	0.119
-84	0.031	-38	0.214	6	0.911	52	0.107
-83	0.033	-37	0.211	7	0.881	53	0.095
-82	0.034	-36	0.205	8	0.847	54	0.083
-81	0.035	-35	0.196	9	0.809	55	0.072
-80	0.037	-34	0.184	10	0.769	56	0.061
-79	0.038	-33	0.170	11	0.725	57	0.050
-78	0.039	-32	0.153	12	0.679	58	0.040
-77	0.039	-31	0.133	13	0.631	59	0.030
-76	0.040	-30	0.109	14	0.581	60	0.021
-75	0.040	-29	0.083	15	0.531	61	0.013
-74	0.039	-28	0.054	16	0.480	62	0.005
-73	0.039	-27	0.021	17	0.428	63	0.002
-72	0.037	-26	0.014	18	0.376	64	0.008
-71	0.036	-25	0.052	19	0.326	65	0.014
-70	0.033	-24	0.092	20	0.276	66	0.019
-69	0.031	-23	0.135	21	0.227	67	0.024
-68	0.028	-22	0.180	22	0.180	68	0.028
-67	0.024	-21	0.227	23	0.135	69	0.031
-66	0.019	-20	0.276	24	0.092	70	0.033
-65	0.014	-19	0.326	25	0.052	71	0.036
-64	0.008	-18	0.377	26	0.014	72	0.037
-63	0.002	-17	0.428	27	0.021	73	0.039
-62	0.005	-16	0.480	28	0.054	74	0.039
-61	0.013	-15	0.531	29	0.083	75	0.040
-60	0.021	-14	0.582	30	0.109	76	0.040
-59	0.030	-13	0.631	31	0.132	77	0.039
-58	0.040	-12	0.679	32	0.153	78	0.039
-57	0.050	-11	0.725	33	0.170	79	0.038
-56	0.061	-10	0.769	34	0.184	80	0.037
-55	0.072	-9	0.809	35	0.196	81	0.036
-54	0.084	-8	0.847	36	0.204	82	0.034
-53	0.095	-7	0.881	37	0.210	83	0.033
-52	0.107	-6	0.912	38	0.214	84	0.031
-51	0.119	-5	0.939	39	0.215	85	0.029
-50	0.131	-4	0.959	40	0.214	86	0.027
-49	0.143	-3	0.976	41	0.212	87	0.026
-48	0.155	-2	0.989	42	0.207	88	0.024
-47	0.166	-1	0.997	43	0.201	89	0.022
-46	0.176	0	1.000	44	0.194	90	0.020
-45	0.186			45	0.185		