



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
MODIFICATION OF CONSTRUCTION PERMIT
BMPCDT-20080620AHV
WFGX - FORT WALTON BEACH, FLORIDA
DTV - CH. 50 - 1000 kW - 582.8 m HAAT**

Prepared for: WFGX Licensee, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by WFGX Licensee, LLC, permittee of WFGX, channel 50, allotted to Fort Walton Beach, Florida, to prepare this statement, FCC Form 301, Sections III and III-D, and the associated exhibits in support of an application for modification of its current authorization, construction permit BMPCDT-20080620AHV. It is proposed herein to substitute a directional antenna with a different horizontal azimuth pattern from WFGX's authorized antenna, a Dielectric TFU-34ETT-R C220 DC. Other changes are herein included in order to conform to an administrative update submitted by the tower registrant, American Towers, Inc., on August 8, 2008, for tower registration number 1212516. These administrative changes include: Site elevation above mean sea level (AMSL); overall height AMSL; overall height above ground level (AGL); centerline height AGL and centerline HAAT. No other changes are proposed.

PROPOSED DIRECTIONAL ANTENNA

The applicant proposes to substitute a new elliptically polarized directional antenna, a Dielectric model TFU-29ETT/VP-R 4C170, with a different horizontal azimuth pattern from its currently authorized horizontally polarized directional antenna, a Dielectric model TFU-34ETT-R C200 DC. The antenna center of radiation will be located at a height above ground of 574.9 meters, and a height above average terrain of 582.8 meters. The proposed antenna shall employ an electrical beam tilt of 0.75 degrees below the horizontal plane. See Exhibits 2 to 7 for antenna horizontal and vertical patterns and tabulations. A vertical plan antenna sketch is provided as Exhibit 1.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours were calculated in accordance with the method described in Section 73.684 of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data, as administratively updated on August 8, 2008, by American Towers, Inc. Exhibit 8 shows the predicted Noise Limited (41 dBu) contour, and the principal community (48 dBu) coverage contour, which completely encompasses the principal community of license, Fort Walton Beach, Florida.

COMPARISON OF COVERAGE CONTOURS

The proposed substitution of a different horizontal azimuth antenna pattern for that authorized will result in an increase in the coverage area of WFGX, and an increase in the population served. Exhibit 9 compares the predicted 41 dBu noise limited contour of the current authorization with the proposed predicted 41 dBu noise limited contour.

ALLOCATION CONSIDERATIONS

DTV Allocation Considerations

A study was performed, using the Commission's application processing software tv_process to determine if the instant application is predicted to cause any level of new impermissible interference to any post-transition domestic DTV stations, expansion construction permits, pending applications or DTV allotments. The results of the study indicate that the instant application to substitute a different horizontal azimuth pattern for WFGX is predicted to cause no impermissible level of new interference, in excess of 0.5%, to the populations to be served by any post-transition domestic DTV station, expansion construction permit, pending DTV application or DTV allotment.

Class A Television Allocation Considerations

As required in Section 73.616(f) of the FCC's Rules, a study was performed, using the FCC's application processing software. The study revealed no predicted contour overlap, with any Class A LPTV station. The instant application is, therefore, considered to be in compliance with Section 73.616(f).

LARGEST STATION IN THE MARKET

The allocation study shows that the proposed facility exceeds the power and height limitations in Section 73.622(f)(8) of the Commission's rules. However, as shown in Exhibit 10, the facilities that are herein proposed are predicted to cover an area of 40,505 square kilometers, and therefore the proposed WFGX facilities will not exceed the coverage of the "largest-station-in-the-market", which appears to be WEAR-TV, channel 17, Pensacola, Florida, 1000 kW @ 579 meters HAAT, predicted to cover 44,800 square kilometers. It is therefore assumed that WFGX's proposed facility will comply with the geographic coverage requirements of Section 73.622(f)(5).

BLANKETING AND INTERMODULATION INTERFERENCE

A number of broadcast and non-broadcast facilities are co-located with, as well as located within 10 km of the WFGX antenna site. The applicant recognizes its responsibility to remedy complaints of interference created by this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT

Effective October 15, 1997 the FCC adopted new guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions. The guidelines are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986) and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in

ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines define a maximum permissible exposure (MPE) level for occupational or "controlled" situations that apply in cases that affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The FCC's Maximum Permitted Exposure (MPE) level for "uncontrolled" environments is 0.2 milliwatts per centimeter squared (mW/cm^2) when applied to broadcast facilities operating between 30 MHz and 300 MHz, and for broadcast facilities operating between 300 MHz and 1500 MHz, primarily UHF TV stations, is derived from the formula, $(\text{frequency MHz}/1500)$. The MPE level for "controlled" environments is 1.0 milliwatts per centimeter squared (mW/cm^2) for operations between 30 MHz and 300 MHz, and for broadcast stations operating between 300 MHz and 1500 MHz is derived from the formula, $(\text{frequency MHz}/300)$.

The predicted emissions of WFGX operating on channel 50 must be considered, along with the predicted emissions from other proposed and existing stations at the site. For WFGX, which operates on television Channel 50 (686-692 MHz), the MPE is 0.459 milliwatts per centimeter squared (mW/cm^2) in an "uncontrolled" environment and 2.30 mW/cm^2 in a "controlled" environment. The proposed WFGX facility will operate with a

maximum ERP of 1000 kW from an elliptically polarized directional transmitting antenna with a centerline height of 574.9 meters above ground level (AGL). Considering a very conservative vertical plane relative field factor of 0.3, the WFGX facility is predicted to produce a power density at two meters above ground level of 0.01831 mW/cm^2 , which is 3.99% of the FCC guideline value for an "uncontrolled" environment, and 0.80% of the FCC's guideline value for "controlled" environments (see Appendix A). WFGX is one of three full-service post-transition DTV stations, along with four digital LPTV stations and four full-service FM radio stations that are located within the relevant proximity of 315 meters. The total percentage of the ANSI value at the proposed site, including the cumulative radiation from all post-transition stations within relevant proximity is 63.01% of the limit for "uncontrolled" environments, and 12.60% of the limit for "controlled" environments.

OCCUPATIONAL SAFETY

The permittee of WFGX is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WFGX antenna, and is committed to reducing power and/or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

SUMMARY

It is submitted that the instant application for modification of construction permit BMPCDT-20080620AHV, to substitute a different directional antenna horizontal azimuth pattern, and the tower registration administrative updates, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications

STATEMENT OF JOHN E. HIDLE, P.E.
WFGX - FORT WALTON BEACH, FLORIDA
PAGE 7

Commission. This statement, FCC Form 301, Sections III and III-D, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: October 16, 2009



30° 36' 45" NL
87° 38' 42" WL

EXHIBIT 1

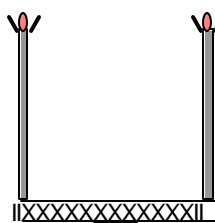
OVERALL HEIGHT

583.1 M AGL; 623.9 M AMSL

RQ_L

WFGX CH. 50

574.9 M AGL; 615.7 M AMSL; 582.8 HAAT



GROUND ELEVATION = 40.8 M AMSL / AVERAGE TERRAIN = 33.0 M

VERTICAL PLAN ANTENNA SKETCH

WFGX, FT. WALTON BEACH, FLORIDA
CH. 50, 1000 kW ERP (DA-MAX); 582.8 m HAAT
DIELECTRIC MODEL TFU-29ETT/VP-R 4C170

OCTOBER, 2009

CARL T. JONES
CORPORATION

NOTE: NOT DRAWN TO SCALE



Proposal Number

C-03291

Revision:

1

Date

6-Feb-09**Exhibit 2**

Call Letters

WFGX

Channel

50

Location

Fort Walton Beach, FL

Customer

Sinclair

Antenna Type

TFU-29ETT/VP-R 4C170**AZIMUTH PATTERN**

Gain

1.70**(2.30 dB)**

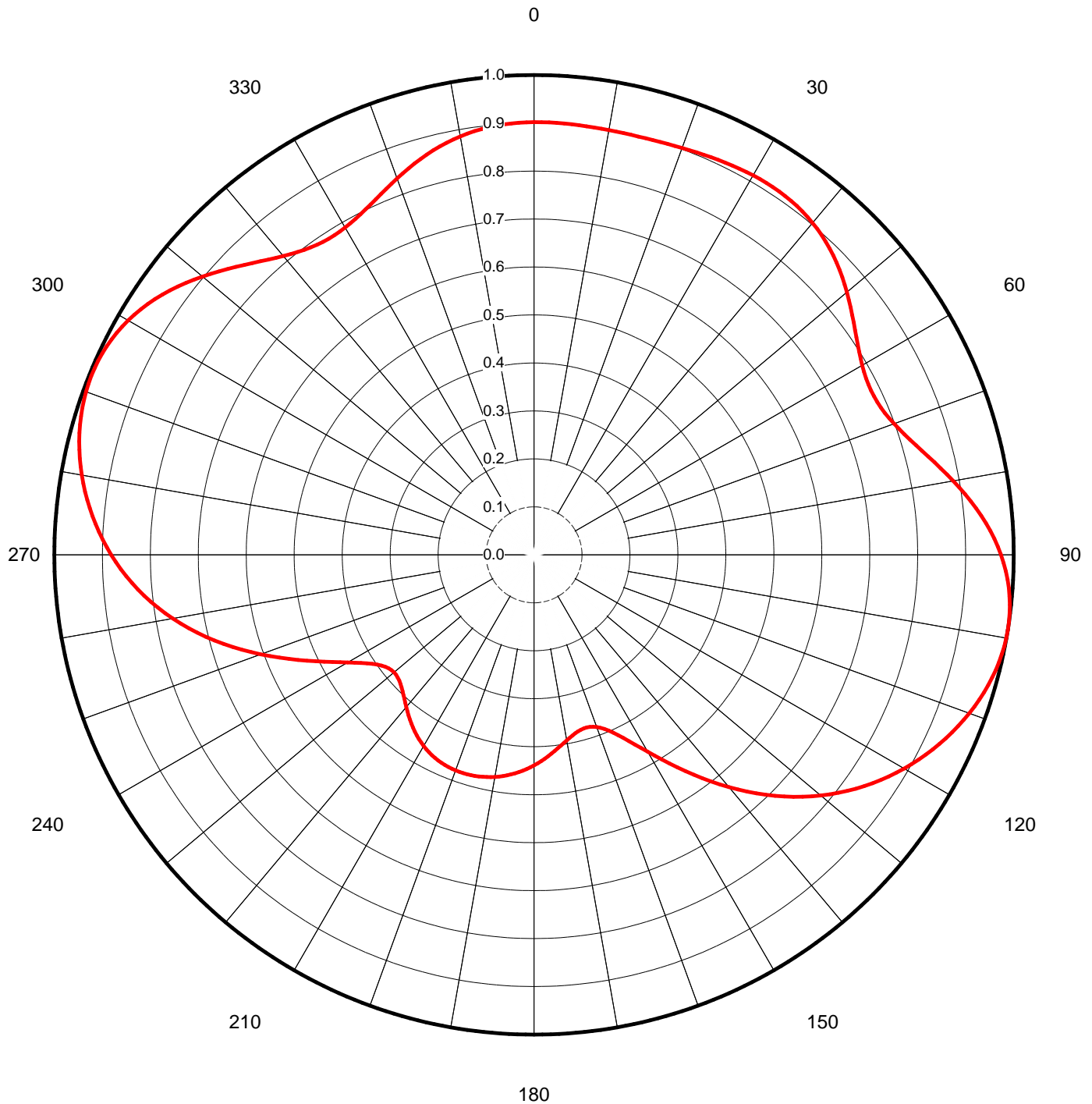
Frequency

689.00 MHz

Calculated / Measured

Calculated

Drawing #

TFU-4C170HP-6890



Proposal Number **C-03291** Revision: **1**
Date **6-Feb-09**
Call Letters **WFGX** Channel **50**
Location **Fort Walton Beach, FL**
Customer **Sinclair**
Antenna Type **TFU-29ETT/VP-R 4C170**

Exhibit 3

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TFU-4C170HP-6890**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.902	45	0.882	90	0.974	135	0.710	180	0.439	225	0.391	270	0.882	315	0.854
1	0.902	46	0.877	91	0.979	136	0.695	181	0.443	226	0.387	271	0.891	316	0.845
2	0.902	47	0.871	92	0.984	137	0.680	182	0.447	227	0.384	272	0.900	317	0.836
3	0.902	48	0.865	93	0.989	138	0.664	183	0.451	228	0.382	273	0.908	318	0.828
4	0.901	49	0.858	94	0.992	139	0.648	184	0.454	229	0.381	274	0.916	319	0.820
5	0.901	50	0.851	95	0.995	140	0.632	185	0.457	230	0.381	275	0.924	320	0.813
6	0.900	51	0.844	96	0.997	141	0.616	186	0.460	231	0.382	276	0.931	321	0.807
7	0.900	52	0.838	97	0.999	142	0.599	187	0.463	232	0.384	277	0.938	322	0.801
8	0.899	53	0.831	98	1.000	143	0.583	188	0.466	233	0.388	278	0.945	323	0.796
9	0.899	54	0.824	99	1.000	144	0.567	189	0.468	234	0.393	279	0.951	324	0.792
10	0.899	55	0.817	100	1.000	145	0.550	190	0.470	235	0.399	280	0.957	325	0.789
11	0.899	56	0.811	101	0.999	146	0.534	191	0.472	236	0.406	281	0.963	326	0.787
12	0.898	57	0.805	102	0.997	147	0.519	192	0.473	237	0.415	282	0.968	327	0.786
13	0.898	58	0.799	103	0.995	148	0.503	193	0.475	238	0.425	283	0.973	328	0.785
14	0.899	59	0.794	104	0.992	149	0.488	194	0.476	239	0.436	284	0.977	329	0.786
15	0.899	60	0.790	105	0.989	150	0.474	195	0.477	240	0.449	285	0.981	330	0.788
16	0.899	61	0.787	106	0.985	151	0.460	196	0.478	241	0.462	286	0.985	331	0.790
17	0.900	62	0.784	107	0.981	152	0.448	197	0.478	242	0.476	287	0.988	332	0.793
18	0.901	63	0.782	108	0.976	153	0.436	198	0.478	243	0.491	288	0.990	333	0.797
19	0.901	64	0.782	109	0.971	154	0.425	199	0.478	244	0.506	289	0.992	334	0.801
20	0.902	65	0.782	110	0.966	155	0.415	200	0.478	245	0.522	290	0.994	335	0.806
21	0.903	66	0.783	111	0.960	156	0.406	201	0.478	246	0.538	291	0.995	336	0.811
22	0.905	67	0.786	112	0.954	157	0.398	202	0.477	247	0.555	292	0.995	337	0.817
23	0.906	68	0.789	113	0.947	158	0.391	203	0.476	248	0.572	293	0.995	338	0.823
24	0.907	69	0.793	114	0.940	159	0.386	204	0.474	249	0.589	294	0.994	339	0.829
25	0.908	70	0.799	115	0.933	160	0.382	205	0.473	250	0.606	295	0.993	340	0.835
26	0.909	71	0.805	116	0.925	161	0.379	206	0.471	251	0.623	296	0.991	341	0.841
27	0.911	72	0.812	117	0.917	162	0.377	207	0.469	252	0.640	297	0.989	342	0.847
28	0.912	73	0.820	118	0.909	163	0.376	208	0.466	253	0.657	298	0.985	343	0.853
29	0.913	74	0.828	119	0.900	164	0.376	209	0.463	254	0.673	299	0.982	344	0.858
30	0.913	75	0.837	120	0.891	165	0.377	210	0.460	255	0.689	300	0.977	345	0.864
31	0.914	76	0.847	121	0.882	166	0.379	211	0.457	256	0.705	301	0.972	346	0.869
32	0.914	77	0.857	122	0.872	167	0.382	212	0.453	257	0.721	302	0.966	347	0.873
33	0.914	78	0.867	123	0.862	168	0.385	213	0.449	258	0.736	303	0.960	348	0.878
34	0.914	79	0.877	124	0.851	169	0.389	214	0.444	259	0.751	304	0.953	349	0.882
35	0.913	80	0.887	125	0.840	170	0.393	215	0.440	260	0.765	305	0.946	350	0.886
36	0.912	81	0.898	126	0.829	171	0.397	216	0.435	261	0.778	306	0.938	351	0.889
37	0.910	82	0.908	127	0.818	172	0.402	217	0.430	262	0.792	307	0.929	352	0.892
38	0.908	83	0.917	128	0.806	173	0.406	218	0.425	263	0.805	308	0.921	353	0.894
39	0.906	84	0.927	129	0.793	174	0.411	219	0.420	264	0.817	309	0.912	354	0.896
40	0.903	85	0.936	130	0.780	175	0.416	220	0.414	265	0.829	310	0.902	355	0.898
41	0.900	86	0.945	131	0.767	176	0.421	221	0.409	266	0.840	311	0.893	356	0.899
42	0.896	87	0.953	132	0.754	177	0.426	222	0.404	267	0.851	312	0.883	357	0.900
43	0.892	88	0.960	133	0.740	178	0.430	223	0.399	268	0.862	313	0.873	358	0.901
44	0.887	89	0.967	134	0.725	179	0.435	224	0.395	269	0.872	314	0.864	359	0.902

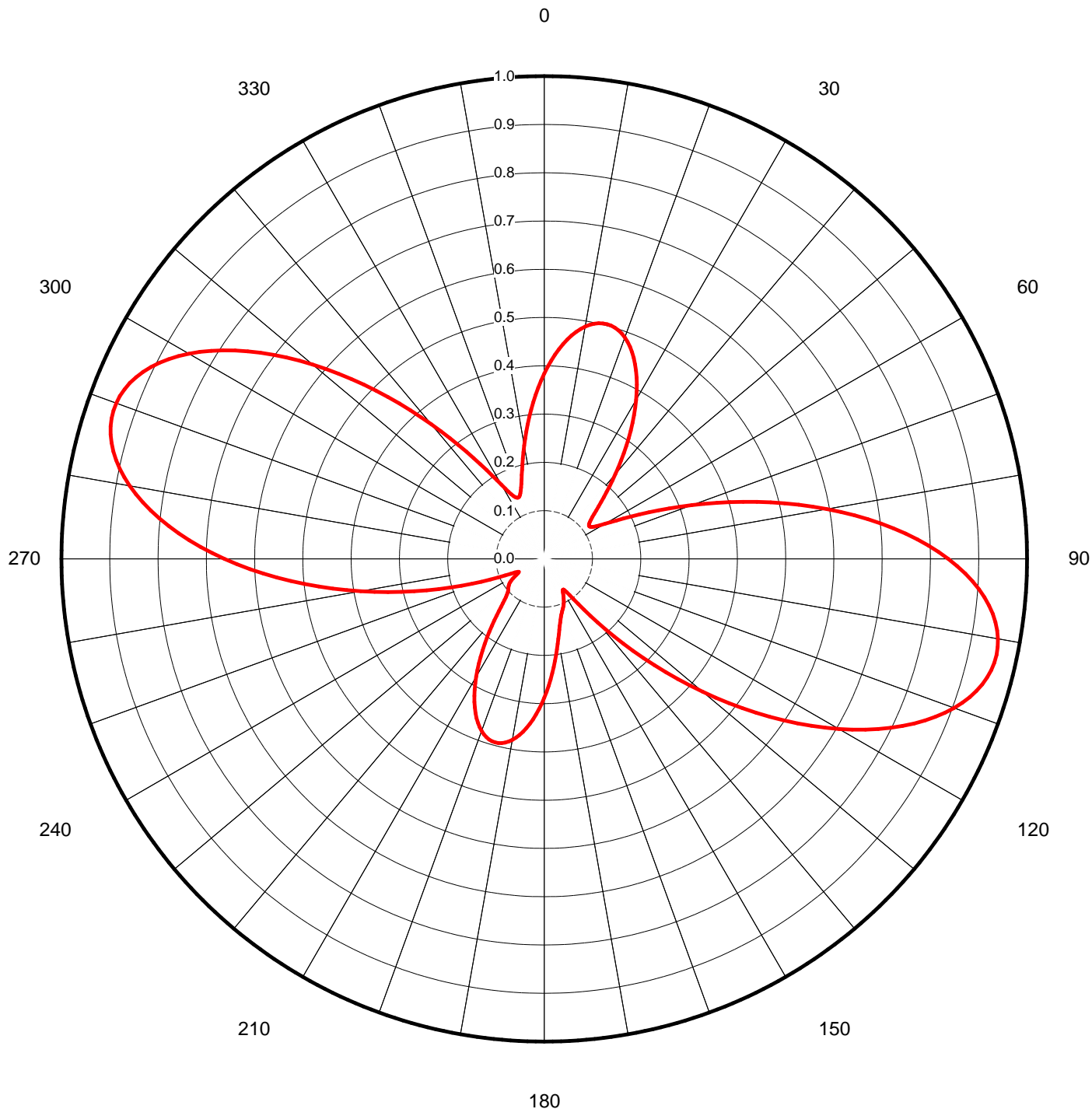
This document contains proprietary and confidential information of Dielectric Communications and SPX Corporation. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric Communications or SPX Corporation.

Proposal Number	C-03291	Revision:	1
Date	6-Feb-09	Exhibit 4	
Call Letters	WFGX	Channel	50
Location	Fort Walton Beach, FL		
Customer	Sinclair		
Antenna Type	TFU-29ETT/VP-R 4C170		

AZIMUTH PATTERN/VERTICAL POLARIZATION

Gain	3.80	(5.80 dB)
Calculated / Measured	Calculated	

Frequency	689.00 MHz
Drawing #	TFU-4C380VP-6890

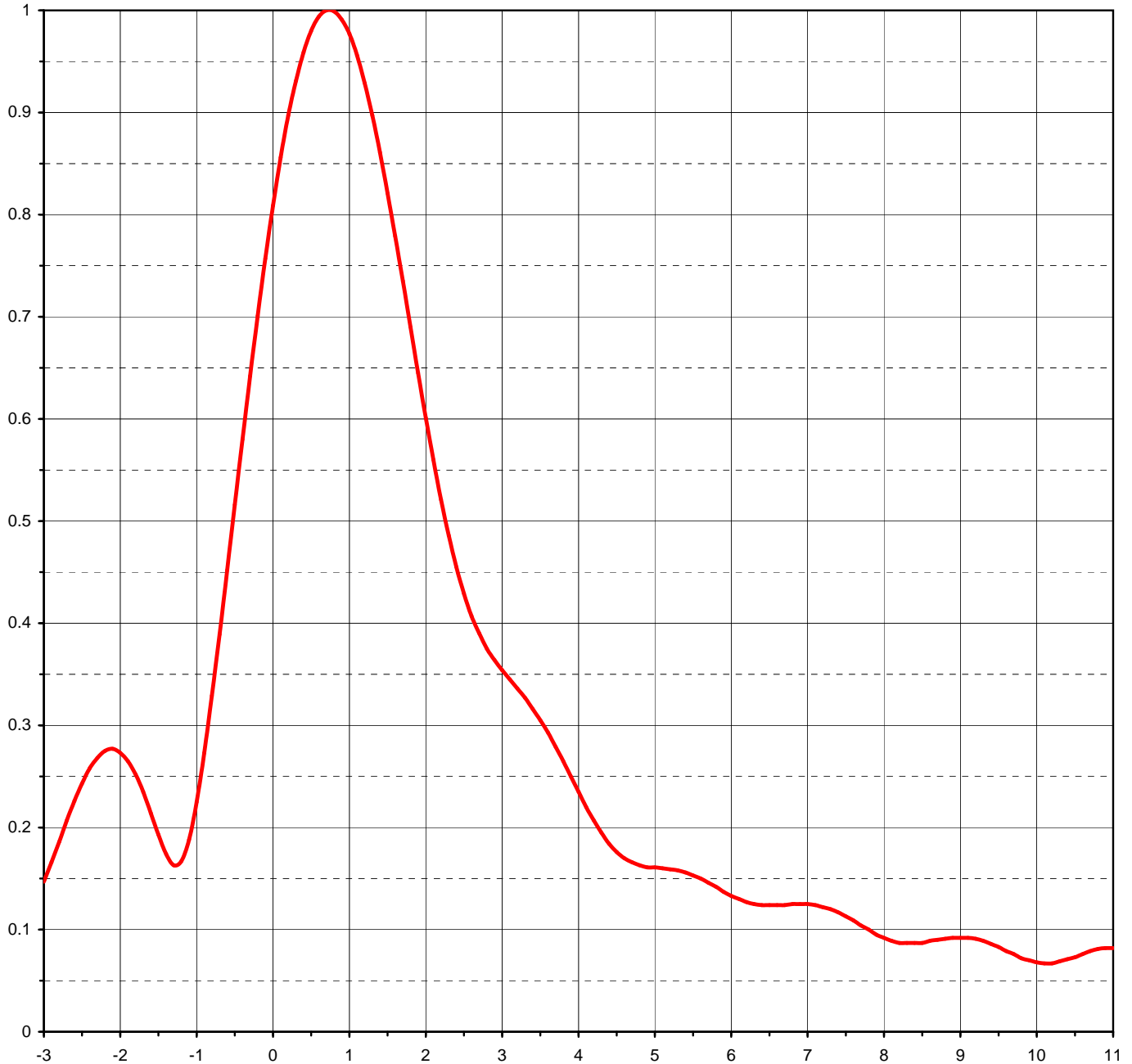




Proposal Number	C-03291	Revision:	1
Date	6-Feb-09	Exhibit 5	
Call Letters	WFGX	Channel	50
Location	Fort Walton Beach, FL		
Customer	Sinclair		
Antenna Type	TFU-29ETT/VP-R 4C170		

ELEVATION PATTERN

RMS Gain at Main Lobe	25.00 (13.98 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.40 (12.15 dB)	Frequency	689.00 MHz
Calculated / Measured	Calculated	Drawing #	29E250075



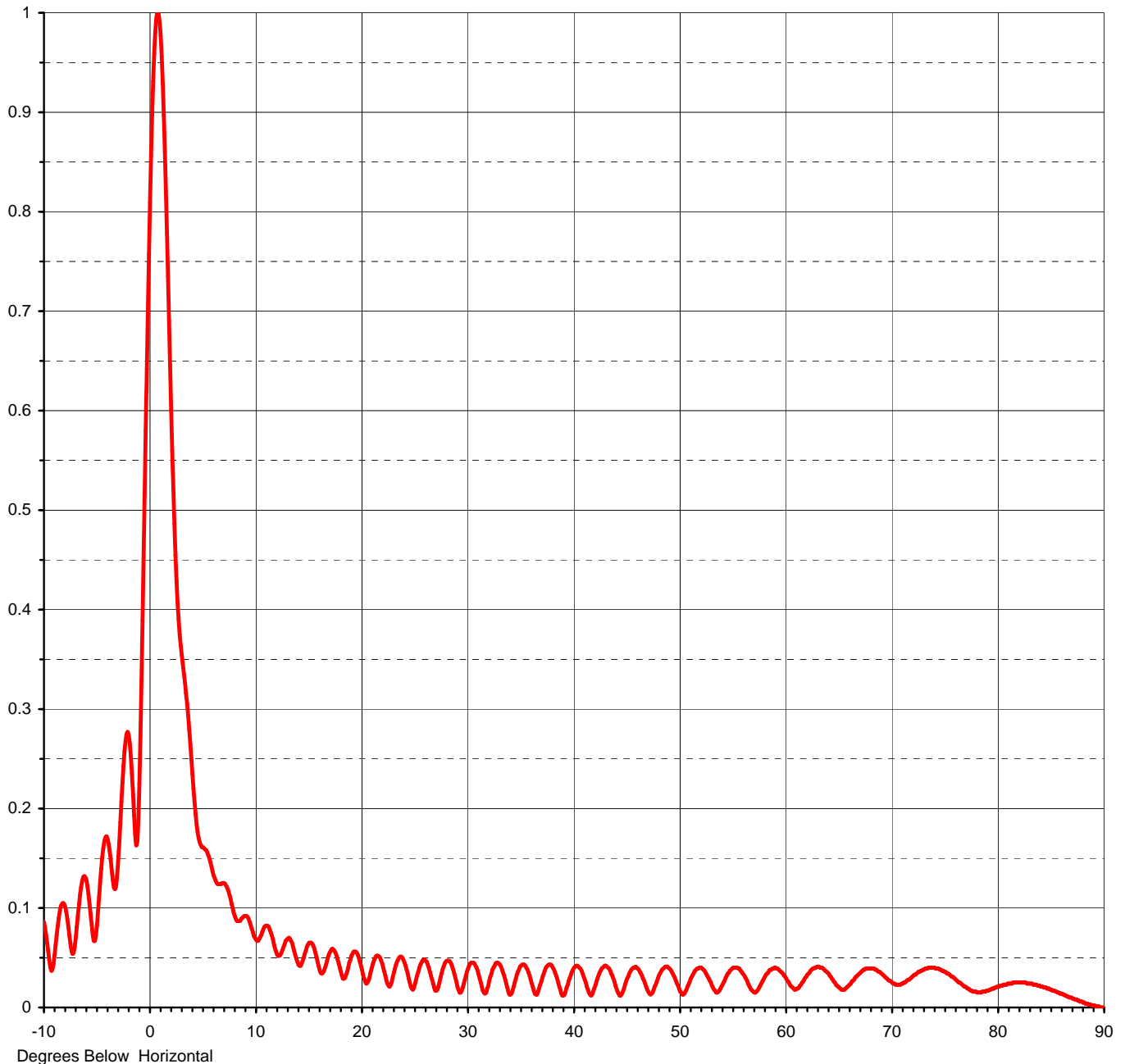
Degrees Below Horizontal



Proposal Number	C-03291	Revision:	1
Date	6-Feb-09	Exhibit 6	
Call Letters	WFGX	Channel	50
Location	Fort Walton Beach, FL		
Customer	Sinclair		
Antenna Type	TFU-29ETT/VP-R 4C170		

ELEVATION PATTERN

RMS Gain at Main Lobe	25.00 (13.98 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.40 (12.15 dB)	Frequency	689.00 MHz
Calculated / Measured	Calculated	Drawing #	29E250075-90





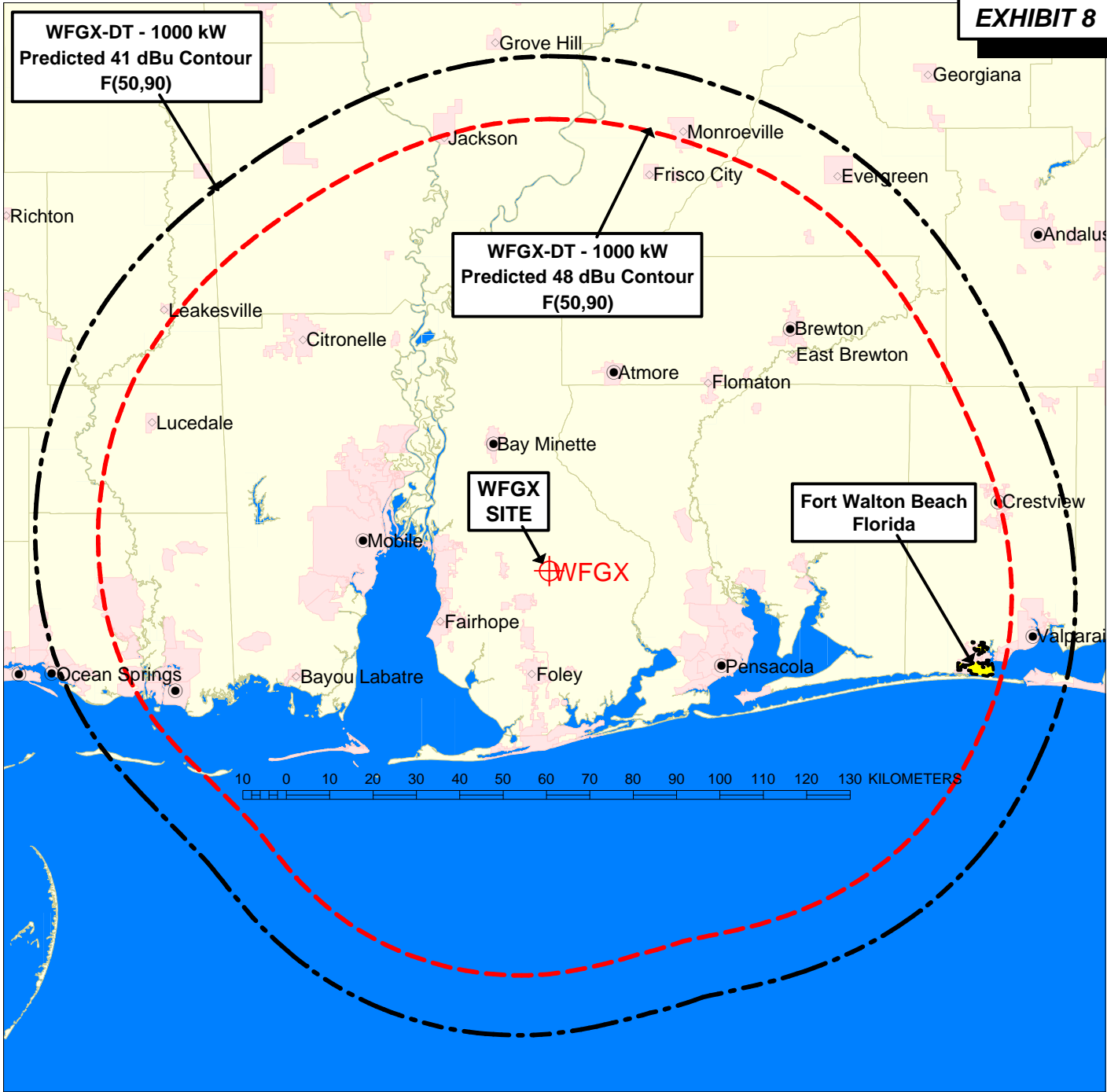
Proposal Number **C-03291** Revision: **1**
Date **6-Feb-09** **Exhibit 7**
Call Letters **WFGX** Channel **50**
Location **Fort Walton Beach, FL**
Customer **Sinclair**
Antenna Type **TFU-29ETT/VP-R 4C170**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **29E250075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.086	2.4	0.455	10.6	0.073	30.5	0.045	51.0	0.026	71.5	0.028
-9.5	0.048	2.6	0.407	10.8	0.079	31.0	0.037	51.5	0.037	72.0	0.032
-9.0	0.053	2.8	0.375	11.0	0.082	31.5	0.017	52.0	0.040	72.5	0.036
-8.5	0.097	3.0	0.354	11.5	0.075	32.0	0.022	52.5	0.035	73.0	0.038
-8.0	0.101	3.2	0.336	12.0	0.056	32.5	0.040	53.0	0.025	73.5	0.040
-7.5	0.064	3.4	0.316	12.5	0.055	33.0	0.044	53.5	0.015	74.0	0.040
-7.0	0.070	3.6	0.293	13.0	0.068	33.5	0.032	54.0	0.021	74.5	0.038
-6.5	0.121	3.8	0.265	13.5	0.065	34.0	0.013	54.5	0.032	75.0	0.036
-6.0	0.128	4.0	0.235	14.0	0.046	34.5	0.025	55.0	0.039	75.5	0.032
-5.5	0.083	4.2	0.207	14.5	0.047	35.0	0.041	55.5	0.040	76.0	0.028
-5.0	0.083	4.4	0.184	15.0	0.063	35.5	0.042	56.0	0.034	76.5	0.024
-4.5	0.151	4.6	0.170	15.5	0.062	36.0	0.028	56.5	0.024	77.0	0.020
-4.0	0.169	4.8	0.163	16.0	0.042	36.5	0.013	57.0	0.016	77.5	0.017
-3.5	0.128	5.0	0.161	16.5	0.037	37.0	0.026	57.5	0.019	78.0	0.015
-3.0	0.147	5.2	0.159	17.0	0.054	37.5	0.041	58.0	0.029	78.5	0.016
-2.8	0.186	5.4	0.156	17.5	0.057	38.0	0.042	58.5	0.037	79.0	0.017
-2.6	0.226	5.6	0.150	18.0	0.040	38.5	0.029	59.0	0.040	79.5	0.019
-2.4	0.258	5.8	0.142	18.5	0.030	39.0	0.012	59.5	0.037	80.0	0.021
-2.2	0.275	6.0	0.133	19.0	0.048	39.5	0.023	60.0	0.031	80.5	0.023
-2.0	0.273	6.2	0.127	19.5	0.056	40.0	0.038	60.5	0.022	81.0	0.024
-1.8	0.252	6.4	0.124	20.0	0.042	40.5	0.041	61.0	0.018	81.5	0.025
-1.6	0.214	6.6	0.124	20.5	0.024	41.0	0.031	61.5	0.023	82.0	0.025
-1.4	0.174	6.8	0.125	21.0	0.039	41.5	0.015	62.0	0.031	82.5	0.025
-1.2	0.167	7.0	0.125	21.5	0.052	42.0	0.019	62.5	0.038	83.0	0.024
-1.0	0.225	7.2	0.122	22.0	0.044	42.5	0.035	63.0	0.041	83.5	0.023
-0.8	0.329	7.4	0.117	22.5	0.024	43.0	0.042	63.5	0.040	84.0	0.021
-0.6	0.452	7.6	0.109	23.0	0.031	43.5	0.037	64.0	0.035	84.5	0.020
-0.4	0.580	7.8	0.100	23.5	0.048	44.0	0.022	64.5	0.026	85.0	0.018
-0.2	0.701	8.0	0.092	24.0	0.048	44.5	0.012	65.0	0.020	85.5	0.016
0.0	0.809	8.2	0.087	24.5	0.029	45.0	0.026	65.5	0.018	86.0	0.014
0.2	0.897	8.4	0.087	25.0	0.020	45.5	0.038	66.0	0.023	86.5	0.011
0.4	0.959	8.6	0.089	25.5	0.040	46.0	0.040	66.5	0.030	87.0	0.009
0.6	0.994	8.8	0.091	26.0	0.048	46.5	0.032	67.0	0.035	87.5	0.007
0.8	0.999	9.0	0.092	26.5	0.036	47.0	0.018	67.5	0.039	88.0	0.005
1.0	0.977	9.2	0.091	27.0	0.017	47.5	0.015	68.0	0.039	88.5	0.003
1.2	0.929	9.4	0.086	27.5	0.030	48.0	0.029	68.5	0.038	89.0	0.002
1.4	0.861	9.6	0.079	28.0	0.046	48.5	0.039	69.0	0.034	89.5	0.001
1.6	0.779	9.8	0.076	28.5	0.044	49.0	0.040	69.5	0.029	90.0	0.000
1.8	0.690	10.0	0.070	29.0	0.026	49.5	0.032	70.0	0.025		
2.0	0.601	10.2	0.067	29.5	0.017	50.0	0.019	70.5	0.023		
2.2	0.521	10.4	0.069	30.0	0.036	50.5	0.014	71.0	0.024		

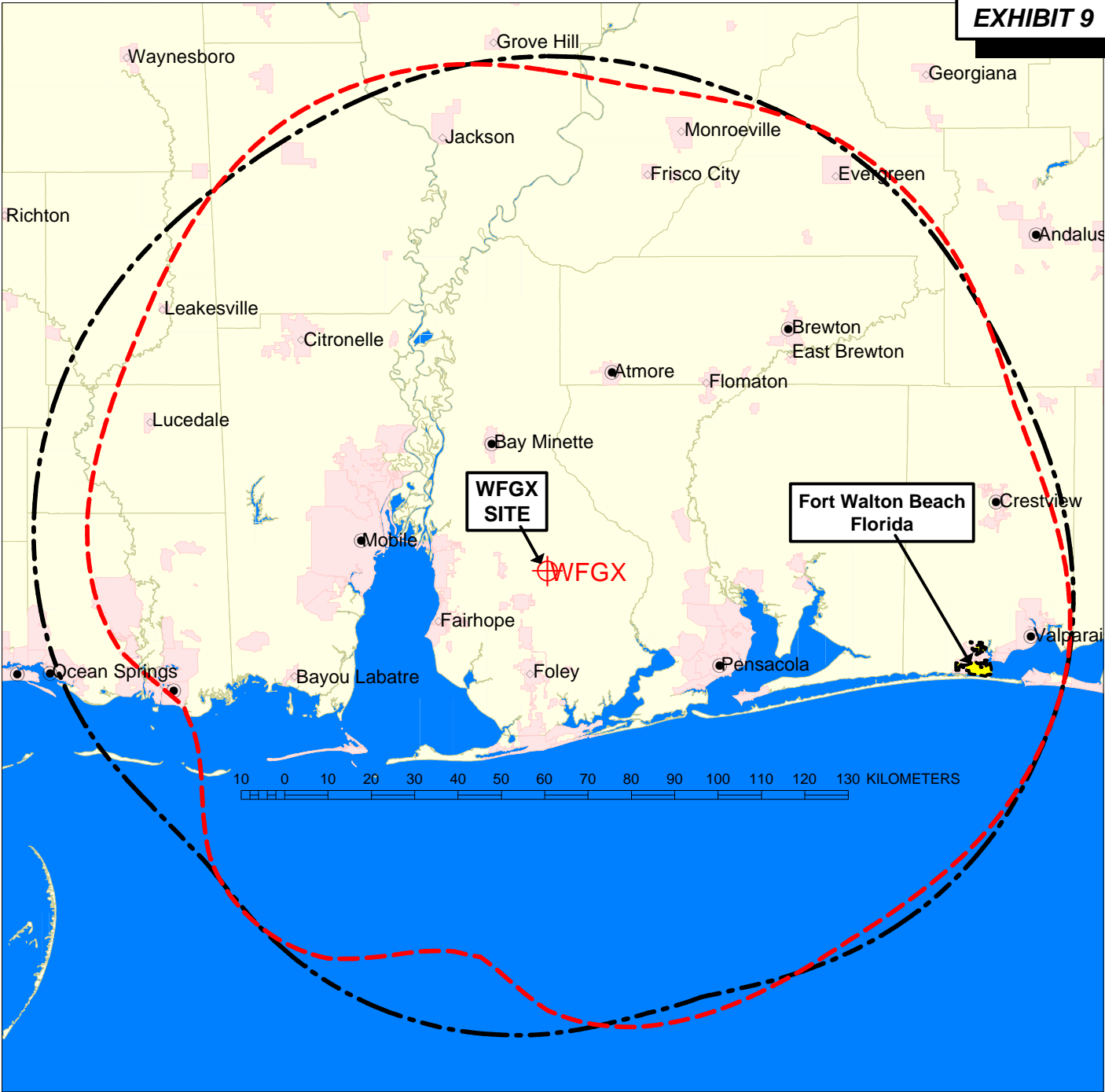
This document contains proprietary and confidential information of Dielectric Communications and SPX Corporation. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric Communications or SPX Corporation.



PREDICTED COVERAGE CONTOURS
WFGX - FORT WALTON BEACH, FLORIDA
MODIFICATION OF BMPCDT-20080620AHV
CH. 50 - 1000 kW - 582.8 m HAAT

Predicted 48 dBu - F(50,90)
Principal Community Contour
2000 Population = 1,201,135
Area = 31,075 sq km

Predicted 41 dBu - F(50,90)
Noise Limited Contour
2000 Population = 1,355,293
Area = 40,505 sq km

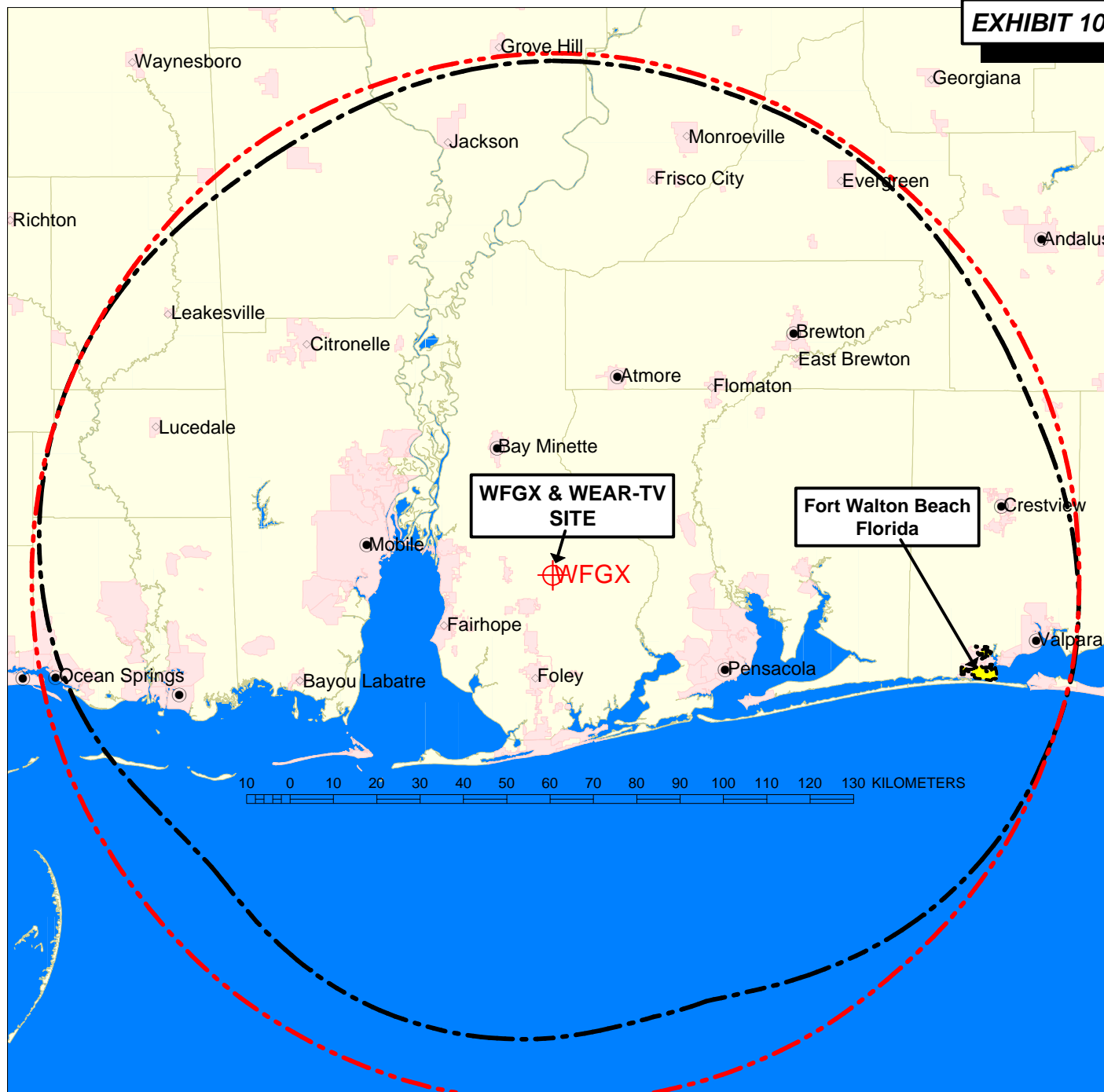


PREDICTED COVERAGE CONTOURS
WFGX - FORT WALTON BEACH, FLORIDA
MODIFICATION OF BMPCDT-20080620AHV
CH. 50 - 1000 kW - 582.8 m HAAT

BMPCDT-20080620AHV
TFU-34ETT-R C220 DC
Predicted 41 dBu - F(50,90)
Noise Limited Contour
2000 Population = 1,298,770
Area = 37,630 sq km

OCTOBER 2009
CARL T. JONES
CORPORATION

Proposed Modification of CP
TFU-29ETT/VP-R 4C170
Predicted 41 dBu - F(50,90)
Noise Limited Contour
2000 Population = 1,355,293
Area = 40,505 sq km



PREDICTED COVERAGE CONTOURS

WFGX - FORT WALTON BEACH, FLORIDA
 MODIFICATION OF BMPCDT-20080620AHV
 CH. 50 - 1000 kW - 582.8 m HAAT

WEAR-TV - BLCDDT-20050627AAK
 1000 kW - 579 m HAAT - Non-DA
 Largest Station in the Market
 Predicted 41 dBu - F(50,90)
 Noise Limited Contour
 Area = 44,800 sq km

WFGX - Proposed Modification of CP
 1000 kW - 582.8 m HAAT
 TFU-29ETT/VP-R 4C170
 Predicted 41 dBu - F(50,90)
 Noise Limited Contour
 Area = 40,505 sq km

OCTOBER 2009

CARL T. JONES
 CORPORATION

**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**
WFGX, FORT WALTON BEACH, FLORIDA
CHANNEL 50, 1000 kW ERP, 582.8 m HAAT
OCTOBER, 2009

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT ** mAGL</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>PREDICTED POWER DENSITY (mW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WFGX	DT	50	689	H & V	573	1000.000	0.300	0.01831	0.459	3.99%
WEAR-TV	DT	17	491	H	569.2	1000.000	0.300	0.00928	0.327	2.83%
WHBR	DT	34	593	H	405	1000.000	0.300	0.01833	0.395	4.64%
W06CL-D	DT	6	85	H	302	0.300	0.300	0.00001	0.200	0.00%
W14DE-D	DT	14	473	H	399	15.000	0.300	0.00028	0.315	0.09%
WRBD-LP	DT	33	587	H	538	15.000	0.300	0.00016	0.391	0.04%
WRBM-LP	DT	35	599	H	538	15.000	0.300	0.00016	0.399	0.04%
WBLX-FM	FM	225	92.9	H & V	510	100.000	1.000	0.02569	0.200	12.84%
WKSJ-FM	FM	235	94.9	H & V	510	100.000	1.000	0.02569	0.200	12.84%
WJLQ	FM	264	100.7	H & V	510	100.000	1.000	0.02569	0.200	12.84%
WYOK	FM	281	104.1	H & V	510	100.000	1.000	0.02569	0.200	12.84%

TOTAL PERCENTAGE OF ANSI VALUE= 63.01%

*** The antenna heights indicated above are 2 meters less than the actual antenna heights*

so that the predicted power densities consider the 2 meter human height allowance.

This evaluation includes facilities collocated at the site, and facilities located within 315 meters.