

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0386 (July 2002)	FOR FCC USE ONLY
<h3>Engineering STA</h3> <p>Read Instructions/FAQ before filling out form</p>		FOR COMMISSION USE ONLY FILE NO. -

Section I - General Information

1.	Legal Name of the Applicant SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.			
	Mailing Address P.O. BOX 21345			
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%; padding: 2px;">City RIO PIEDRAS</td> <td style="width:40%; padding: 2px;">State or Country (if foreign address) PR</td> <td style="width:30%; padding: 2px;">Zip Code 00928 -</td> </tr> </table>	City RIO PIEDRAS	State or Country (if foreign address) PR	Zip Code 00928 -
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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; padding: 2px;">Telephone Number (include area code) 7877662600</td> <td style="width:40%; padding: 2px;">E-Mail Address (if available) CA_ADIAZ@MAIL.SUAGM.EDU</td> </tr> </table>	Telephone Number (include area code) 7877662600	E-Mail Address (if available) CA_ADIAZ@MAIL.SUAGM.EDU	
Telephone Number (include area code) 7877662600	E-Mail Address (if available) CA_ADIAZ@MAIL.SUAGM.EDU			
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%; padding: 2px;">FCC Registration No</td> <td style="width:40%; padding: 2px;">Call Sign WQTO</td> <td style="width:30%; padding: 2px;">Facility ID Number 2175</td> </tr> </table>	FCC Registration No	Call Sign WQTO	Facility ID Number 2175
FCC Registration No	Call Sign WQTO	Facility ID Number 2175		
2.	Contact Representative (if other than licensee/permittee) MARGARET L. MILLER			
	Firm or Company Name DOW LOHNES PLLC			
	Mailing Address 1200 NEW HAMPSHIRE AVE, NW, SUITE 800			
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%; padding: 2px;">City WASHINGTON</td> <td style="width:40%; padding: 2px;">State or Country (if foreign address) DC</td> <td style="width:30%; padding: 2px;">ZIP Code 20036 - 6802</td> </tr> </table>	City WASHINGTON	State or Country (if foreign address) DC	ZIP Code 20036 - 6802
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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; padding: 2px;">Telephone Number (include area code) 2027762000</td> <td style="width:40%; padding: 2px;">E-Mail Address (if available) MMILLER@DOWLOHNES.COM</td> </tr> </table>	Telephone Number (include area code) 2027762000	E-Mail Address (if available) MMILLER@DOWLOHNES.COM	
Telephone Number (include area code) 2027762000	E-Mail Address (if available) MMILLER@DOWLOHNES.COM			
3.	Purpose: <input checked="" type="radio"/> Engineering STA <input type="radio"/> Extension of Existing Engineering STA <input type="radio"/> Legal STA <input type="radio"/> Extension of Existing Legal STA			
4.	Service: DS			
5.	Community of License: City: PONCE State: PR			
6.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)			

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

7.1.	Channel: 25
7.2.	Zone: <input type="radio"/> I <input checked="" type="radio"/> II <input type="radio"/> III
7.3.	Antenna Location Coordinates: (NAD 27) Latitude:

Degrees 18 Minutes 04 Seconds 48 North South

Longitude:
 Degrees 66 Minutes 44 Seconds 56 West East

7.4. Antenna Structure Registration Number: 1231838
 Not Applicable Notification filed with FAA

7.5. Antenna Location Site Elevation Above Mean Sea Level: 615.1 meters

7.6. Overall Tower Height Above Ground Level: 74.1 meters

7.7. Height of Radiation Center Above Ground Level: 66 meters

7.8. Height of Radiation Center Above Average Terrain: 310 meters

7.9. Maximum Effective Radiated Power (average): 750 kW

7.10. Antenna Specifications:
 Nondirectional Directional

a. Manufacturer DIE Model TFU-22DSC P230 DC

b. Electrical Beam Tilt:
 0.5 degrees Not Applicable

c. Mechanical Beam Tilt:
 degrees toward azimuth
 degrees True Not Applicable

d. Polarization:
 Horizontal Circular Elliptical

Directional Antenna Relative Field Values:
 Rotation (Degrees): No Rotation

Degrees	Value										
0	.566	10	.542	20	.482	30	.418	40	.417	50	.52
60	.683	70	.844	80	.959	90	1	100	.959	110	.844
120	.683	130	.52	140	.417	150	.418	160	.482	170	.542
180	.566	190	.542	200	.482	210	.418	220	.417	230	.52
240	.683	250	.844	260	.959	270	1	280	.959	290	.844
300	.683	310	.52	320	.417	330	.418	340	.482	350	.542

Additional Azimuths

8. Please explain in detail the "extraordinary circumstances" which warrant temporary operations at variance from the Commission's Rules. In addition, please specify 1)the specific rules and/or policies from which the applicant seeks temporary relief; 2) how the public interest will be furthered by grant; and 3) the expected duration of the STA and the licensee's plan for restoration of licensed operation. If requesting variance with other than authorized technical facilities, please specify the exact facilities sought

[Exhibit 21]

9. Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

Yes No

I certify that I have prepared Engineering Data on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name	Relationship to Applicant (e.g., Consulting Engineer)
------	---

JOHN F.X. BROWNE, P.E.		CONSULTING ENGINEER
Signature		Date (mm/dd/yyyy) 02/05/2010
Mailing Address JOHN F.X. BROWNE & ASSOCIATES, P.C. 38710 WOODWARD AVE., SUITE 220		
City BLOOMFIELD HILLS	State or Country (if foreign address) MI	Zip Code 48304 -
Telephone Number (No dashes or parentheses, include area code) 2486426226	E-Mail Address (if available) JFXB@JFXB.COM	

I hereby certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations.

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date (mm/dd/yyyy)

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibits

Exhibit 21

Description: ENGINEERING STATEMENT & ANTENNA INFORMATION

ENGINEERING STATEMENT & ANTENNA INFORMATION

Attachment 21

Description
Engineering Statement & Antenna Information



ENGINEERING STATEMENT
OF
JOHN F.X. BROWNE, P.E.
IN SUPPORT OF
REQUEST FOR SPECIAL TEMPORARY AUTHORITY
SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.
WQTO
PONCE, PR

Background

Sistema Universitario Ana G. Mendez, Inc. (Mendez) is the licensee of WQTO, located at Ponce, PR, which is presently operating its post-transition facility on Channel 25; the facility has the following licensed parameters:

Post-transition Facility (Ch. 25)

Coordinates: 18° 04' 48" N (NAD27)
66° 44' 56" W
ERP: 200 kW (DA)
HAAT: 310m

In June 2008, WQTO applied for (and was granted) authorization to construct a maximized facility (BPEDT-20080620AEL) which would increase the WQTO ERP from 200 kW to 800 kW (all other facility parameters remain the same).



During construction of the WQTO maximized facilities, it was determined that a DTS that incorporates the proposed maximized (800 kW) facility and one other new site (located in Mayaguez/Aguadilla, PR) would help WQTO better serve the population inside its noise-limited contour^{1/}. WQTO recently applied for this DTS facility (BMPEDT-20100202ABJ) and has been granted authorization to construct it; however, it will take some time for WQTO to complete the construction of the new facilities required for the DTS mode of operation.

Presently, the WQTO facility is capable of achieving an ERP of 750 kW and the coverage of this facility (at 750 kW) would be significantly larger than its existing post-transition facility (which is also its "Appendix B" coverage); therefore, WQTO is filing for Special Temporary Authority to allow operation of its existing facility at an ERP of 750 kW, rather than the authorized 800 kW, while it completes the build-out of its DTS facilities.

Antenna System, Tower, and Operating Parameters

WQTO proposes to continue operating with its existing directional Dielectric TFU-22DSC P230 DC digital antenna. The antenna is installed on a registered tower (ASR#1231838) and the structure has an overall height of 689.2m AMSL (with appurtenances). The antenna has a center-of-radiation of 681.1m AMSL (with a calculated HAAT of 310m). The proposed installation will not require any change in the overall height of the structure; therefore, notification to the FAA is not required. The antenna azimuth and elevation patterns and tabulation (which are the same as presently authorized), along with a dBk table, are attached hereto.

The parameters for the authorized maximized facility vis-à-vis the STA are listed in the table below:

^{1/} The Island of Puerto Rico has many areas of mountainous terrain that prevent a significant number of viewers inside the WQTO noise-limited service contour from receiving the station.



Parameters	Authorized Facility (DTS Site 1)	STA
Coordinates (NAD27):	18° 04' 48" N 66° 44' 56" W	18° 04' 48" N 66° 44' 56" W
ERP (kW):	800 (DA)	750 (DA)
RCAMSL (m):	681.1	681.1

Coverage

The entire principal community of Ponce, PR is well within the predicted F(50,90) 48 dBu contour based on the proposed 750 kW ERP.

Environmental/RFR

The proposed construction does not require preparation of an Environmental Assessment as it does not involve any of the factors listed in Section 1.1306.

The additional ground level RFR contributed to the site by this proposal in public areas will be less than the calculated RFR for the WQTO maximized facility which has already been authorized by the Commission, therefore, the proposal does not need to be considered further.

Mendez agrees to comply with the Commission's requirements regarding power adjustments or cessation of operation as may be necessary to ensure a compliant environment for worker access. Workers will be trained on RFR issues and encouraged to wear personal RFR monitors when on the structure. The tower base is enclosed by a locked security fence and appropriate signage warning of potential RFR hazards is posted.



Certification

I hereby certify that the foregoing report or statement was prepared by me but may include work performed by others under my supervision or direction. The statements of fact contained therein are believed to be true and correct based on personal knowledge, information and belief unless otherwise stated; with respect to facts not known of my own personal knowledge, I believe them to be true and correct based on their origin from sources known to me to be generally reliable and accurate. I have prepared this document with due care and in accordance with applicable standards of professional practice.

A handwritten signature in black ink, appearing to read 'John F. X. Browne', written over a horizontal line.

John F. X. Browne, P.E.
February 5, 2010



Proposal Number

Date

15-Feb-01

Call Letters

WQTO-DT

Channel 25

Location

Ponce, PR

Customer

Antenna Type

TFU-22DSC P230 DC

ELEVATION PATTERN

RMS Gain at Main Lobe **15.50 (11.90 dB)**

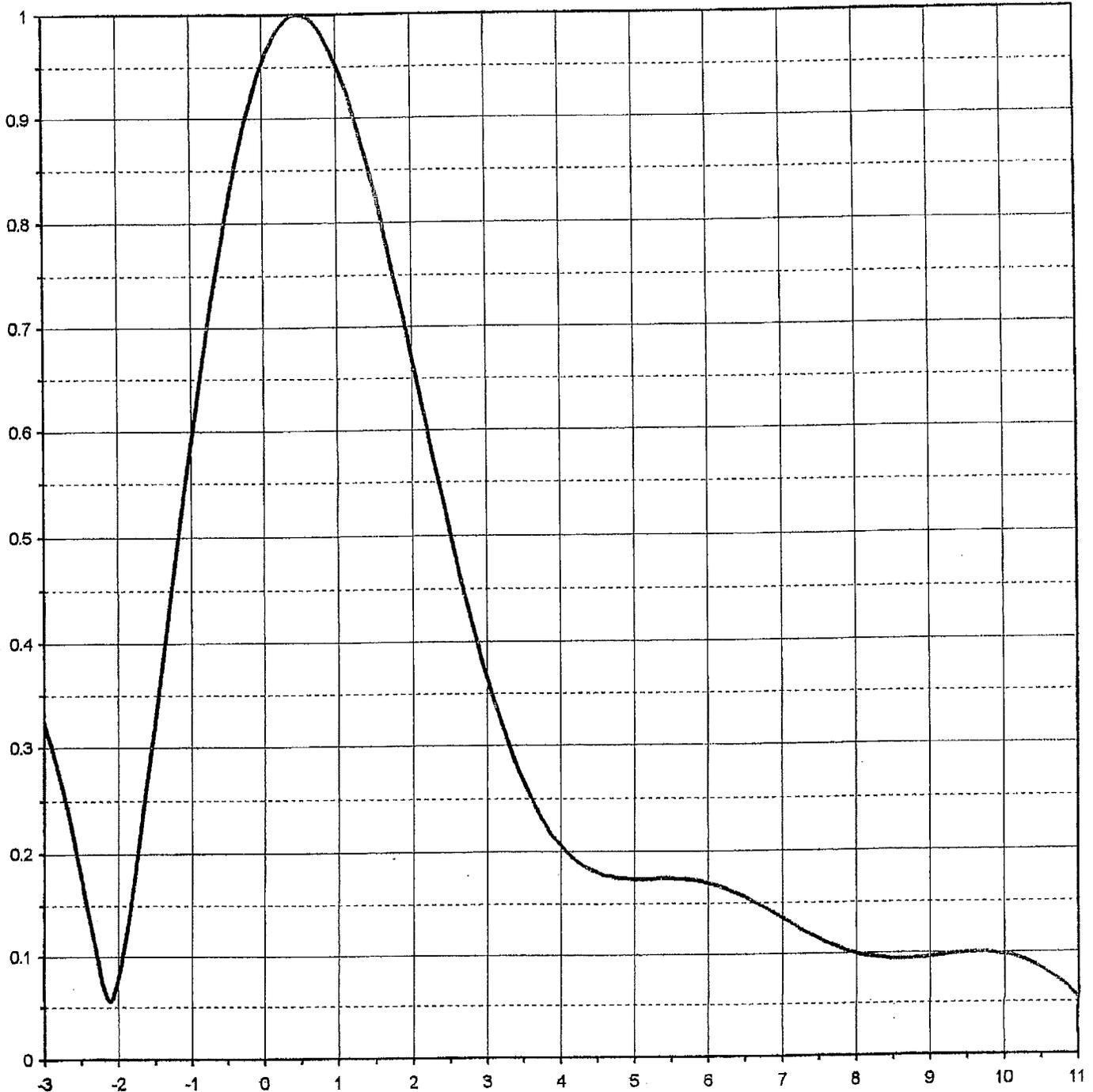
Beam Tilt **0.50 deg**

RMS Gain at Horizontal **14.10 (11.49 dB)**

Frequency **539.00 MHz**

Calculated / Measured **Calculated**

Drawing # **22Q155050**



Degrees Below Horizontal



Proposal Number

207 655 7120

Date

15-Feb-01

Call Letters

WQTO-DT

Channel 25

Location

Ponce, PR

Customer

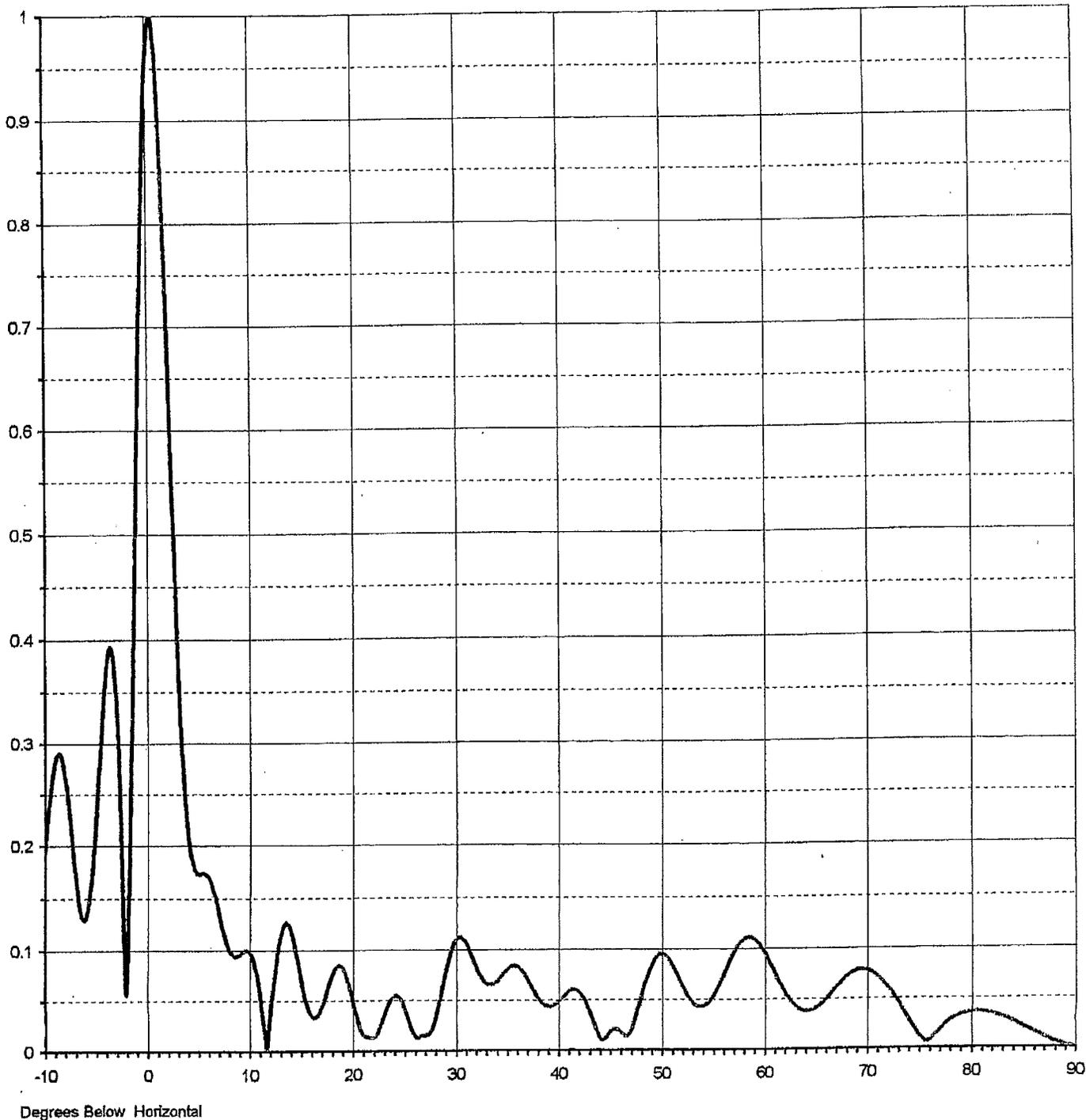
Antenna Type

TFU-22DSC P230 DC

ELEVATION PATTERN

RMS Gain at Main Lobe **15.50 (11.90 dB)**
 RMS Gain at Horizontal **14.10 (11.49 dB)**
 Calculated / Measured **Calculated**

Beam Tilt **0.50 deg**
 Frequency **539.00 MHz**
 Drawing # **22Q155050-90**



Degrees Below Horizontal



Proposal Number **DLA-9240**
 Date **15-Feb-01**
 Call Letters **WQTO-DT** Channel **25**
 Location **Ponce, PR**
 Customer
 Antenna Type **TFU-22DSC P230 DC**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **22Q155050-90**

Angle	Field										
-10.0	0.194	2.4	0.539	10.6	0.084	30.5	0.112	51.0	0.086	71.5	0.067
-9.5	0.246	2.6	0.476	10.8	0.074	31.0	0.107	51.5	0.076	72.0	0.060
-9.0	0.282	2.8	0.418	11.0	0.061	31.5	0.097	52.0	0.065	72.5	0.053
-8.5	0.289	3.0	0.366	11.5	0.020	32.0	0.085	52.5	0.055	73.0	0.045
-8.0	0.265	3.2	0.321	12.0	0.029	32.5	0.074	53.0	0.048	73.5	0.036
-7.5	0.219	3.4	0.282	12.5	0.076	33.0	0.067	53.5	0.043	74.0	0.028
-7.0	0.168	3.6	0.251	13.0	0.110	33.5	0.066	54.0	0.043	74.5	0.020
-6.5	0.135	3.8	0.226	13.5	0.126	34.0	0.069	54.5	0.046	75.0	0.012
-6.0	0.133	4.0	0.206	14.0	0.121	34.5	0.074	55.0	0.053	75.5	0.007
-5.5	0.166	4.2	0.192	14.5	0.101	35.0	0.080	55.5	0.062	76.0	0.008
-5.0	0.233	4.4	0.183	15.0	0.074	35.5	0.084	56.0	0.073	76.5	0.013
-4.5	0.314	4.6	0.177	15.5	0.050	36.0	0.084	56.5	0.084	77.0	0.018
-4.0	0.377	4.8	0.174	16.0	0.036	36.5	0.080	57.0	0.095	77.5	0.023
-3.5	0.389	5.0	0.173	16.5	0.034	37.0	0.072	57.5	0.104	78.0	0.027
-3.0	0.325	5.2	0.173	17.0	0.042	37.5	0.062	58.0	0.109	78.5	0.030
-2.8	0.276	5.4	0.174	17.5	0.057	38.0	0.053	58.5	0.111	79.0	0.033
-2.6	0.214	5.6	0.173	18.0	0.074	38.5	0.047	59.0	0.110	79.5	0.034
-2.4	0.142	5.8	0.172	18.5	0.084	39.0	0.044	59.5	0.105	80.0	0.035
-2.2	0.071	6.0	0.169	19.0	0.084	39.5	0.044	60.0	0.097	80.5	0.036
-2.0	0.077	6.2	0.165	19.5	0.071	40.0	0.048	60.5	0.088	81.0	0.036
-1.8	0.166	6.4	0.159	20.0	0.052	40.5	0.053	61.0	0.078	81.5	0.035
-1.6	0.270	6.6	0.152	20.5	0.031	41.0	0.058	61.5	0.067	82.0	0.034
-1.4	0.378	6.8	0.144	21.0	0.017	41.5	0.060	62.0	0.058	82.5	0.032
-1.2	0.485	7.0	0.135	21.5	0.014	42.0	0.058	62.5	0.050	83.0	0.030
-1.0	0.588	7.2	0.127	22.0	0.013	42.5	0.052	63.0	0.044	83.5	0.028
-0.8	0.684	7.4	0.118	22.5	0.019	43.0	0.040	63.5	0.040	84.0	0.026
-0.6	0.771	7.6	0.111	23.0	0.033	43.5	0.026	64.0	0.038	84.5	0.023
-0.4	0.845	7.8	0.105	23.5	0.046	44.0	0.013	64.5	0.039	85.0	0.020
-0.2	0.907	8.0	0.100	24.0	0.054	44.5	0.011	65.0	0.041	85.5	0.018
0.0	0.953	8.2	0.097	24.5	0.053	45.0	0.018	65.5	0.045	86.0	0.015
0.2	0.984	8.4	0.095	25.0	0.043	45.5	0.021	66.0	0.050	86.5	0.013
0.4	0.999	8.6	0.094	25.5	0.028	46.0	0.019	66.5	0.056	87.0	0.010
0.6	0.998	8.8	0.095	26.0	0.016	46.5	0.014	67.0	0.062	87.5	0.008
0.8	0.982	9.0	0.096	26.5	0.014	47.0	0.018	67.5	0.068	88.0	0.006
1.0	0.953	9.2	0.098	27.0	0.015	47.5	0.033	68.0	0.073	88.5	0.004
1.2	0.912	9.4	0.099	27.5	0.017	48.0	0.052	68.5	0.076	89.0	0.002
1.4	0.861	9.6	0.100	28.0	0.029	48.5	0.069	69.0	0.079	89.5	0.001
1.6	0.803	9.8	0.100	28.5	0.051	49.0	0.083	69.5	0.079	90.0	0.000
1.8	0.739	10.0	0.099	29.0	0.075	49.5	0.092	70.0	0.078		
2.0	0.672	10.2	0.097	29.5	0.096	50.0	0.095	70.5	0.076		
2.2	0.605	10.4	0.092	30.0	0.109	50.5	0.093	71.0	0.072		

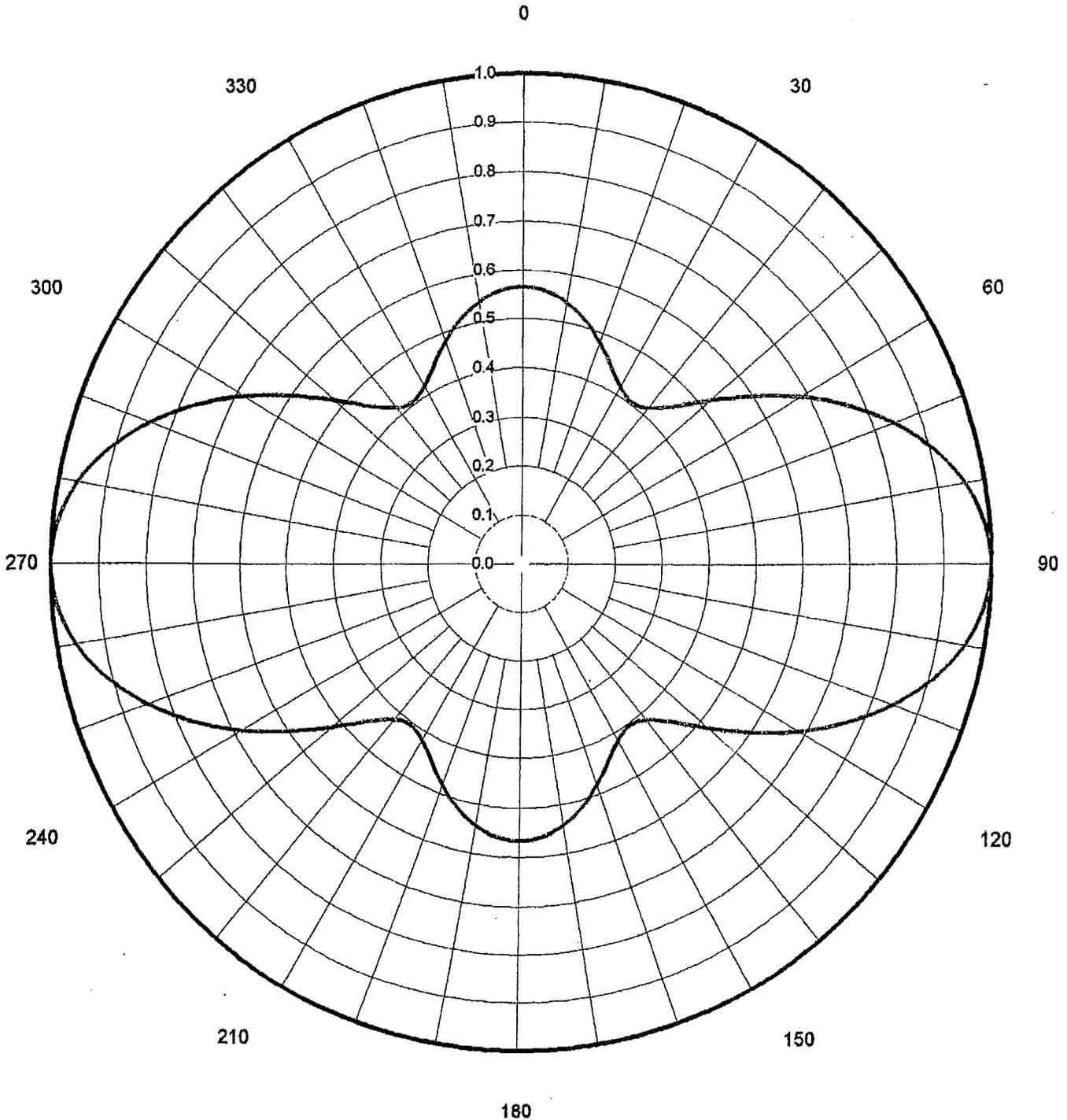


Proposal Number **CA-9240**
Date **15-Feb-01**
Call Letters **WQTO-DT** Channel **25**
Location **Ponce, PR**
Customer
Antenna Type **TFU-22DSC P230 DC**

AZIMUTH PATTERN

Gain **2.30 (3.62 dB)**
Calculated / Measured **Calculated**

Frequency **539.00 MHz**
Drawing # **TFU-P230**





Date **15-Feb-01**
 Call Letters **WQTO-DT** Channel **25**
 Location **Ponce, PR**
 Customer
 Antenna Type **TFU-22DSC P230 DC**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TFU-P230**

Angle	Field														
0	0.566	45	0.457	90	1.000	135	0.457	180	0.566	225	0.457	270	1.000	315	0.457
1	0.565	46	0.468	91	1.000	136	0.447	181	0.565	226	0.468	271	1.000	316	0.447
2	0.565	47	0.480	92	0.998	137	0.438	182	0.565	227	0.480	272	0.998	317	0.438
3	0.563	48	0.493	93	0.996	138	0.430	183	0.563	228	0.493	273	0.996	318	0.430
4	0.562	49	0.506	94	0.993	139	0.423	184	0.562	229	0.506	274	0.993	319	0.423
5	0.560	50	0.520	95	0.990	140	0.417	185	0.560	230	0.520	275	0.990	320	0.417
6	0.557	51	0.535	96	0.985	141	0.413	186	0.557	231	0.535	276	0.985	321	0.413
7	0.554	52	0.550	97	0.980	142	0.409	187	0.554	232	0.550	277	0.980	322	0.409
8	0.551	53	0.566	98	0.973	143	0.407	188	0.551	233	0.566	278	0.973	323	0.407
9	0.547	54	0.582	99	0.966	144	0.406	189	0.547	234	0.582	279	0.966	324	0.406
10	0.542	55	0.599	100	0.959	145	0.405	190	0.542	235	0.599	280	0.959	325	0.405
11	0.538	56	0.615	101	0.950	146	0.406	191	0.538	236	0.615	281	0.950	326	0.406
12	0.533	57	0.632	102	0.941	147	0.408	192	0.533	237	0.632	282	0.941	327	0.408
13	0.527	58	0.649	103	0.931	148	0.411	193	0.527	238	0.649	283	0.931	328	0.411
14	0.522	59	0.666	104	0.921	149	0.414	194	0.522	239	0.666	284	0.921	329	0.414
15	0.515	60	0.683	105	0.909	150	0.418	195	0.515	240	0.683	285	0.909	330	0.418
16	0.509	61	0.700	106	0.898	151	0.423	196	0.509	241	0.700	286	0.898	331	0.423
17	0.503	62	0.717	107	0.885	152	0.428	197	0.503	242	0.717	287	0.885	332	0.428
18	0.496	63	0.734	108	0.872	153	0.434	198	0.496	243	0.734	288	0.872	333	0.434
19	0.489	64	0.751	109	0.858	154	0.440	199	0.489	244	0.751	289	0.858	334	0.440
20	0.482	65	0.767	110	0.844	155	0.447	200	0.482	245	0.767	290	0.844	335	0.447
21	0.475	66	0.783	111	0.830	156	0.454	201	0.475	246	0.783	291	0.830	336	0.454
22	0.468	67	0.799	112	0.815	157	0.461	202	0.468	247	0.799	292	0.815	337	0.461
23	0.461	68	0.815	113	0.799	158	0.468	203	0.461	248	0.815	293	0.799	338	0.468
24	0.454	69	0.830	114	0.783	159	0.475	204	0.454	249	0.830	294	0.783	339	0.475
25	0.447	70	0.844	115	0.767	160	0.482	205	0.447	250	0.844	295	0.767	340	0.482
26	0.440	71	0.858	116	0.751	161	0.489	206	0.440	251	0.858	296	0.751	341	0.489
27	0.434	72	0.872	117	0.734	162	0.496	207	0.434	252	0.872	297	0.734	342	0.496
28	0.428	73	0.885	118	0.717	163	0.503	208	0.428	253	0.885	298	0.717	343	0.503
29	0.423	74	0.898	119	0.700	164	0.509	209	0.423	254	0.898	299	0.700	344	0.509
30	0.418	75	0.909	120	0.683	165	0.515	210	0.418	255	0.909	300	0.683	345	0.515
31	0.414	76	0.921	121	0.666	166	0.522	211	0.414	256	0.921	301	0.666	346	0.522
32	0.411	77	0.931	122	0.649	167	0.527	212	0.411	257	0.931	302	0.649	347	0.527
33	0.408	78	0.941	123	0.632	168	0.533	213	0.408	258	0.941	303	0.632	348	0.533
34	0.406	79	0.950	124	0.615	169	0.538	214	0.406	259	0.950	304	0.615	349	0.538
35	0.405	80	0.959	125	0.599	170	0.542	215	0.405	260	0.959	305	0.599	350	0.542
36	0.406	81	0.966	126	0.582	171	0.547	216	0.406	261	0.966	306	0.582	351	0.547
37	0.407	82	0.973	127	0.566	172	0.551	217	0.407	262	0.973	307	0.566	352	0.551
38	0.409	83	0.980	128	0.550	173	0.554	218	0.409	263	0.980	308	0.550	353	0.554
39	0.413	84	0.985	129	0.535	174	0.557	219	0.413	264	0.985	309	0.535	354	0.557
40	0.417	85	0.990	130	0.520	175	0.560	220	0.417	265	0.990	310	0.520	355	0.560
41	0.423	86	0.993	131	0.506	176	0.562	221	0.423	266	0.993	311	0.506	356	0.562
42	0.430	87	0.996	132	0.493	177	0.563	222	0.430	267	0.996	312	0.493	357	0.563
43	0.438	88	0.998	133	0.480	178	0.565	223	0.438	268	0.998	313	0.480	358	0.565
44	0.447	89	1.000	134	0.468	179	0.565	224	0.447	269	1.000	314	0.468	359	0.565

**WQTO-DT STA (750 kW) Directional Antenna Data
dBk Table**

Actual Bearing	Pattern Azimuth	Relative Field	ERP (dBk)	Distance to Contour (km)	
				48 dBu	39.8 dBu
N000E	0	0.566	23.81	44.1	52.0
	10	0.542	23.43		
	20	0.482	22.41		
	30	0.418	21.17		
	40	0.417	21.15		
N045E	45	0.457	21.95	42.5	50.4
	50	0.520	23.07		
	60	0.683	25.44		
	70	0.844	27.28		
N090E	80	0.959	28.39	91.9	109.2
	90	1.000	28.75		
	100	0.959	28.39		
	110	0.844	27.28		
N135E	120	0.683	25.44	88.9	104.8
	130	0.520	23.07		
	135	0.457	21.95		
	140	0.417	21.15		
	150	0.418	21.17		
N180E	160	0.482	22.41	95.5	111.9
	170	0.542	23.43		
	180	0.566	23.81		
	190	0.542	23.43		
	200	0.482	22.41		
N225E	210	0.418	21.17	90.0	105.9
	220	0.417	21.15		
	225	0.457	21.95		
	230	0.520	23.07		
	240	0.683	25.44		
	250	0.844	27.28		
N270E	260	0.959	28.39	93.0	110.6
	270	1.000	28.75		
	280	0.959	28.39		
	290	0.844	27.28		
	300	0.683	25.44		
N315E	310	0.520	23.07	42.5	50.4
	315	0.457	21.95		
	320	0.417	21.15		
	330	0.418	21.17		
	340	0.482	22.41		
	350	0.542	23.43		

Maxima: N090E 28.75 dBk
N270E 28.75 dBk

Minimum: N040E 21.15 dBk
N140E 21.15 dBk
N220E 21.15 dBk
N320E 21.15 dBk