

**Exhibit 13.1 - Copy of Existing
Antenna Structure Registration****Registration Detail**

Reg Number	1027712	Status	Constructed
File Number	A0451790	Constructed	09/01/1989
FAA Study	2005-ASO-310-OE	EMI	Yes
FAA Issue Date	03/09/2005	NEPA	No

Antenna Structure

Structure Type 2TOWER - Multiple Structures - The N is the # of structures (e.g. 2TOWER, 3TANK)

Location (in NAD83 Coordinates)

Lat/Long	28-08-12.3 N 080-42-11.5 W	1865 HARLOCK RD
City, State	MELBOURNE , FL	
Center of AM Array		

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
6.7	152.4
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
159.1	152.4

Painting and Lighting Specifications

FAA Chapters 4, 6, 12

Paint and Light in Accordance with FAA Circular Number 70/7460-1K

Owner & Contact Information

FRN	0005793351	Licensee ID	L00296049
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Owner

SBA Properties, Inc.
 Attention To: Edward G. Roach
 5900 Broken Sound Pkwy., NW
 Boca Raton , FL 33487

P: (561)995-7670
 E: ERoach@sbsite.com

Contact

Roach , Edward G
 5900 Broken Sound Pkwy NW
 Boca Raton , FL 33487

P: (561)995-7670
 E: ERoach@sbsite.com

Last Action Status

Status	Constructed	Received	06/13/2005
Purpose	Notification	Entered	06/13/2005
Mode	Interactive		

Related Applications

06/13/2005	A0451786 - Modification (MD)
06/13/2005	A0451790 - Notification (NT)
01/17/2002	A0235263 - Admin Update (AU)
	Related applications (5)

Comments

Exhibit 13.2

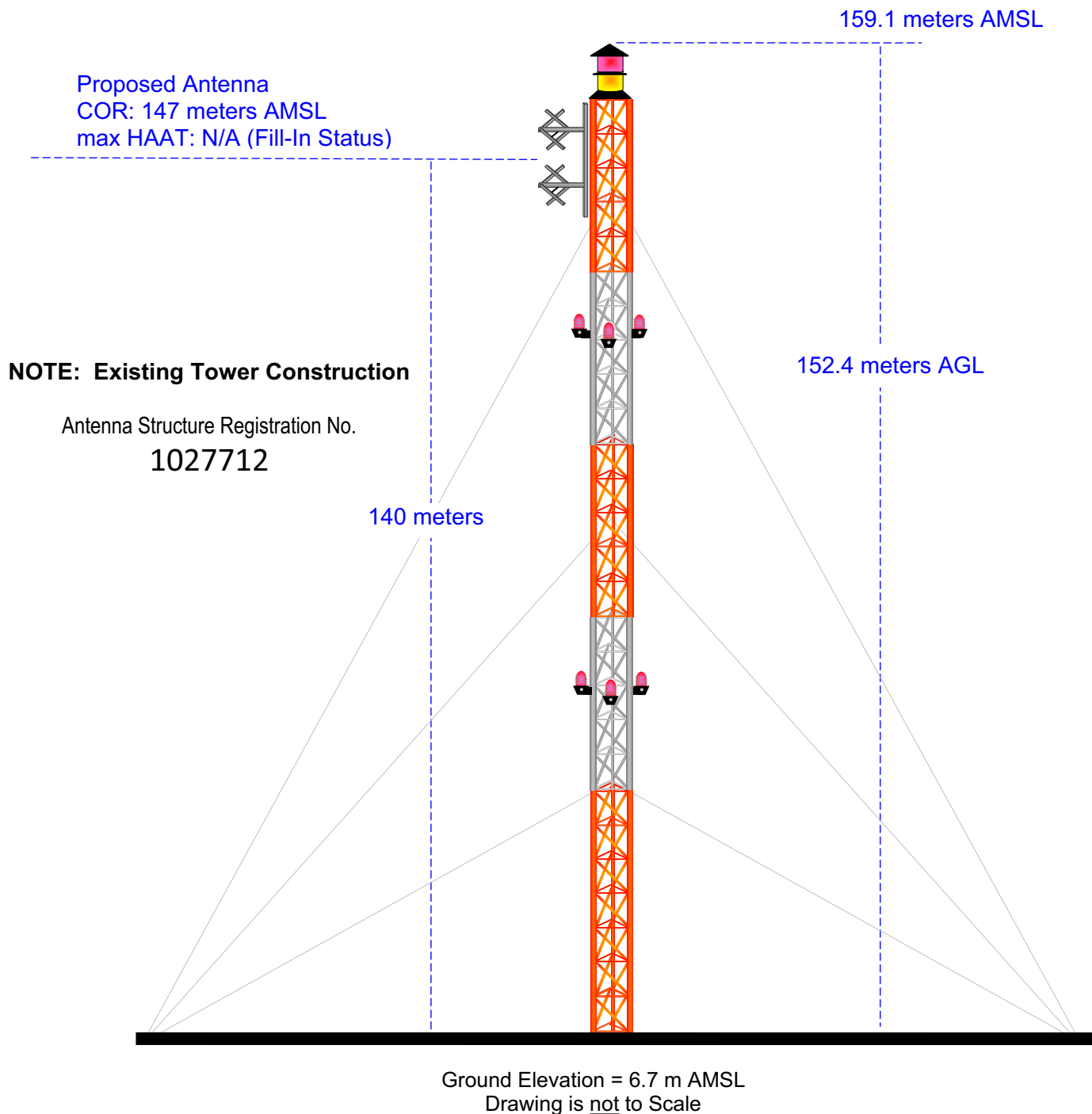
Vertical Plan of Antenna System

The site is located at 1865 Harlock Road,
the city of Melbourne, Brevard County, Florida.

Site Location (NAD 27)

NL: 28° 08' 11"

WL: 80° 42' 12"



MUNN-REESE, INC.

Broadcast Engineering Consultants
Coldwater, MI 49036

W264AS.L
BLFT20060314AAY
Latitude: 28-15-54.30 N
Longitude: 080-41-46.50 W
ERP: 0.08 kW
Channel: 264
Frequency: 100.7 MHz
AMSL Height: 58.0 m
Horiz. Pattern: Omni

60 dBu Contour
Total Population: 33,493
Total Area: 162 sq. km

Exhibit 13.3 Present vs. Proposed Service Contour Study

Proposed 60 dBu F(50:50)

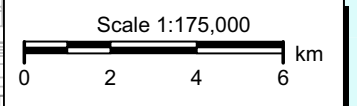
Present 60 dBu F(50:50)

W264AS.L+

+ W264AS.P

W264AS.P
Proposed Operation
Latitude: 28-08-11 N
Longitude: 080-42-12 W
ERP: 0.25 kW
Channel: 264
Frequency: 100.7 MHz
AMSL Height: 147.0 m
Horiz. Pat: Directional

60 dBu Contour
Total Population: 191,972
Total Area: 652 sq. km



USGS 03 second terrain database
US Census 2000 SF-1 database

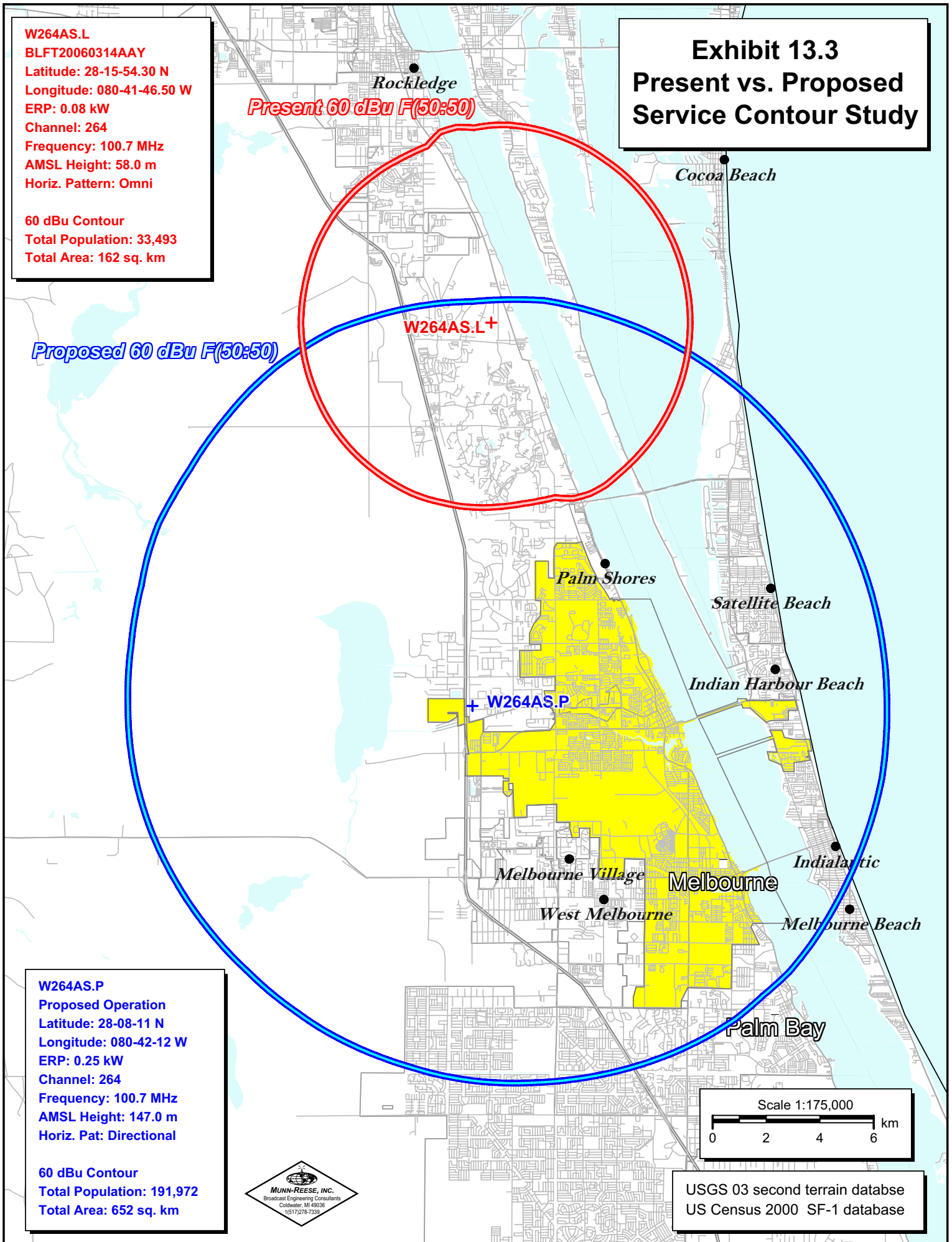


Exhibit 13.4 Proposed vs. Primary AM Service Contour Study & Multiple Translator Ownership Service Contour Study

Call: WWBC.L
BL-20070503ACZ
Freq: 1510 kHz
COCOA, FL, US
Hours: D
Lat: 28-21-12 N
Lng: 080-46-45 W
Power: 50.0 kW
Theo RMS: 2294.35 mV/m
@ 1km @ 50.0 kW

W234BI.L
BLFT20100730ADK
Latitude: 28-16-42 N
Longitude: 080-42-03 W
ERP: 0.125 kW
Channel: 234
Frequency: 94.7 MHz
AMSL Height: 81.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 63,746
Total Area: 257 sq. km

W264AS.P
Proposed Operation
Latitude: 28-08-11 N
Longitude: 080-42-12 W
ERP: 0.25 kW
Channel: 264
Frequency: 100.7 MHz
AMSL Height: 147.0 m
DA Pat: NIC BKG77-2 @ 70°T
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 193,524
Total Area: 661 sq. km

25 mile AM Site Radius

Daytime 2 mV/m Contour

WWBC(AM) +

W234BI.L - 60 dBu F(50:50)

W234BI.L +

W264AS.P - 60 dBu F(50:50)

W264AS.P +

Area of Common Overlap
Total Population: 18,898
Overlap Area: 84.95 sq. km



USGS 03 SEC terrain database
US Census 2000 SF1 database

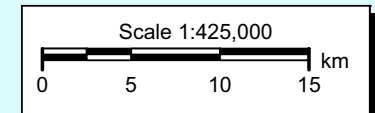


Exhibit 13.5

Tabulation of Proposed Allocation

REFERENCE											
CH# 264D - 100.7 MHz, Pwr= 0.25 kw DA, HAAT= 142.2 M, COR= 147 M											
28 08 11.0 N. Average Protected F(50-50)= 15.39 km											
80 42 12.0 W. Standard Directional											
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kw)	INT(km)	PRO(km)	*IN*	*OUT*
CITY	STATE			<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
264D	W264AS	LIC	_C_	2.8	14.3	28 15 54.3	0.080	23.1	6.9	-23.9*	-42.6
Rockledge	FL			182.8	BLFT20060314AAY	80 41 46.5		58	David Carus & Associates		
264C	WMTX	CP	NCY	257.4	157.2	27 49 09.7	100.000	187.7	84.1	-43.6*<	29.7
Tampa	FL			76.7	BPH20100831AAF	82 15 38.7	472	491	Citicasters Licenses, Inc.		
264C	WMTX	LIC	_C_	258.3	156.8	27 50 32.0	100.000	183.5	80.3	-39.8*<	33.1
Tampa	FL			77.6	BMLH20061205AAK	82 15 45.0	414	434	Citicasters Licenses, Inc.		
266C	WJRR	LIC	_C_	323.7	61.3	28 34 51.0	100.000	12.5	85.8	34.6	-25.4*<
Cocoa Beach	FL			143.5	BMLH20031010ADE	81 04 32.0	487	500	Clear Channel Broadcasting		
262C	WRUM	LIC	_CY	323.7	61.3	28 34 51.0	100.000	12.4	85.6	34.6	-25.2*<
Orlando	FL			143.5	BMLH20031010ADF	81 04 32.0	484	497	Clear Channel Broadcasting		
263D	650899	APP	_C_	153.8	63.9	27 37 12.0	0.250	12.8	9.2	36.3	32.5
Vero Beach	FL			334.0	BNPFT20030317LPH	80 25 01.0		55	Vero Beach Broadcasters, L		
265D	630343	APP	_C_	152.8	66.9	27 36 05.0	0.250	13.6	9.8	38.5	34.8
Nevins	FL			332.9	BNPFT20030314BQE	80 23 34.0		61	Capstar Tx Limited Partner		
265D	649709	APP	_C_	152.7	66.8	27 36 06.0	0.250	10.1	7.1	41.9	37.4
Vero Beach	FL			332.9	BNPFT20030317HIM	80 23 33.0		30	Cornerstone Community Radi		
261D	W261CC	LIC	DCN	150.5	58.1	27 40 53.0	0.013	0.2	3.2	43.0	53.8
Vero Beach	FL			330.6	BLFT19910822TA	80 24 46.0	36	41	First Baptist Church, Inc.		
Translator for WCIF, Melbourne, FL.-											
265D	631111	APP	_C_	153.5	80.3	27 29 21.0	0.120	8.4	5.9	57.2	52.1
Saint Lucie	FL			333.7	BNPFT20030311AGU	80 20 24.0		36	Oscar Aguero Ministry		
210C3	WUCF-FM	LIC	DEX	316.0	70.4	28 35 27.0	5.600	22.7	21.6	11.5R	58.9M
Orlando	FL			135.7	BLED20030612ACN	81 12 17.0	148	164	University Of Central Flor		
263D	W263AH	LIC	_C_	156.7	86.5	27 25 16.0	0.015	7.0	5.0	64.9	59.4
Ft. Pierce	FL			336.9	BLFT20040521AAT	80 21 25.0		66	The Moody Bible Institute		
264C	WHYI-FM	LIC	DC_	168.4	245.3	25 58 02.0	100.000	168.2	71.0	63.6	127.5
Fort Lauderdale	FL			348.6	BLH20050225AAQ	80 12 34.0	307	308	Clear Channel Broadcasting		

Terrain database is USGS 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone = 2, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.
 < = Contour Overlap
 Reference station has protected zone issue: AM tower

Yellow highlighted text denotes a §74.1204(d) Waiver Request for given second adjacent channel interference to WJRR(FM) - Cocoa Beach, FL, CH266C and WRUM(FM) - Orlando, FL CH262C as included in Exhibit 13.6. Full protection will be afforded the facilities as the calculated interference area will not reach the ground or a 7 meter artificial plane representing a standard two story building when taking into account the downward radiation characteristics of the antenna as supplied by the antenna manufacturer. A copy of the antenna manufacturer specifications have been included in Exhibit 13.7.

WJRR.L
WRUM.L

WJRR.L
BMLH20031010ADE
Latitude: 28-34-51 N
Longitude: 081-04-32 W
ERP: 100.00 kW
Channel: 266
Frequency: 101.1 MHz
AMSL Height: 500.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WRUM.L
BMLH20031010ADF
Latitude: 28-34-51 N
Longitude: 081-04-32 W
ERP: 100.00 kW
Channel: 262
Frequency: 100.3 MHz
AMSL Height: 497.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 13.6 §74.1204(d) Second Adjacent Channel Given Interference Waiver Request toward

WJRR.L - CH266C - Cocoa Beach, FL
WRUM.L - CH262C - Orlando, FL

W264AS.P
Proposed Operation
Latitude: 28-08-11 N
Longitude: 080-42-12 W
ERP: 0.25 kW
Channel: 264
Frequency: 100.7 MHz
AMSL Height: 147.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

Proposed Antenna: BKG77/2 Two Bay 0.9 λ Spaced
Proposed Power: 0.25 kW
Antenna Height AGL: 140 meters
Interference Contour: 109.7 dBu f(50:10)
Artificial Ground Plane Height: 7 meters
Distance (Free Space) Equation: $= (10^{((106.92 - [\text{desired dBu}] + [\text{ERP in dBk}]) / 20)) * 1000}$
Field Strength (dBu) Equation: $= 106.92 - (20 * (\text{LOG10}[\text{DistMeters} / 1000])) + [\text{ERP in dBk}]$

Depression	Antenna			Distance	Distance	Field Strength	Distance	Field Strength
Angle	Below	Relative	ERP	to Interference	from Ant. to	in dBu @	from Ant.	in dBu @
Horizon	Field	in kW	in dBk	Contour	Artificial Plane	Artificial Plane	to Ground Level	Ground Level
0°	1.000	0.250	-6.02	363.05 m	infinite	---	---	---
-5°	0.970	0.235	-6.29	352.16 m	1526.00 m	96.96 dBu	1606.32 m	96.52 dBu
-10°	0.885	0.196	-7.08	321.30 m	765.92 m	102.15 dBu	806.23 m	101.71 dBu
-15°	0.743	0.138	-8.60	269.75 m	513.87 m	104.10 dBu	540.92 m	103.66 dBu
-20°	0.568	0.081	-10.93	206.21 m	388.87 m	104.19 dBu	409.33 m	103.74 dBu
-25°	0.377	0.036	-14.49	136.87 m	314.70 m	102.47 dBu	331.27 m	102.02 dBu
-30°	0.189	0.009	-20.49	68.62 m	266.00 m	97.93 dBu	280.00 m	97.49 dBu
-35°	0.018	0.000	-40.92	6.53 m	231.88 m	78.70 dBu	244.08 m	78.25 dBu
-40°	0.123	0.004	-24.22	44.66 m	206.91 m	96.38 dBu	217.80 m	95.94 dBu
-45°	0.226	0.013	-18.94	82.05 m	188.09 m	102.49 dBu	197.99 m	102.05 dBu
-50°	0.290	0.021	-16.77	105.29 m	173.62 m	105.36 dBu	182.76 m	104.91 dBu
-55°	0.321	0.026	-15.89	116.54 m	162.36 m	106.82 dBu	170.91 m	106.37 dBu
-60°	0.321	0.026	-15.89	116.54 m	153.58 m	107.30 dBu	161.66 m	106.86 dBu
-65°	0.299	0.022	-16.51	108.55 m	146.75 m	107.08 dBu	154.47 m	106.64 dBu
-70°	0.261	0.017	-17.69	94.76 m	141.54 m	106.21 dBu	148.98 m	105.77 dBu
-75°	0.217	0.012	-19.29	78.78 m	137.69 m	104.85 dBu	144.94 m	104.40 dBu
-80°	0.171	0.007	-21.36	62.08 m	135.05 m	102.95 dBu	142.16 m	102.50 dBu
-85°	0.138	0.005	-23.22	50.10 m	133.51 m	101.19 dBu	140.53 m	100.74 dBu
-90°	0.124	0.004	-24.15	45.02 m	133.00 m	100.29 dBu	140.00 m	99.85 dBu

Scale 1:275,000

0 3 6 9 km

USGS 03 second terrain database
US Census 2000 SF-1 database

WJRR.L - 69.7 dBu F(50:50)
WRUM.L - 69.7 dBu F(50:50)

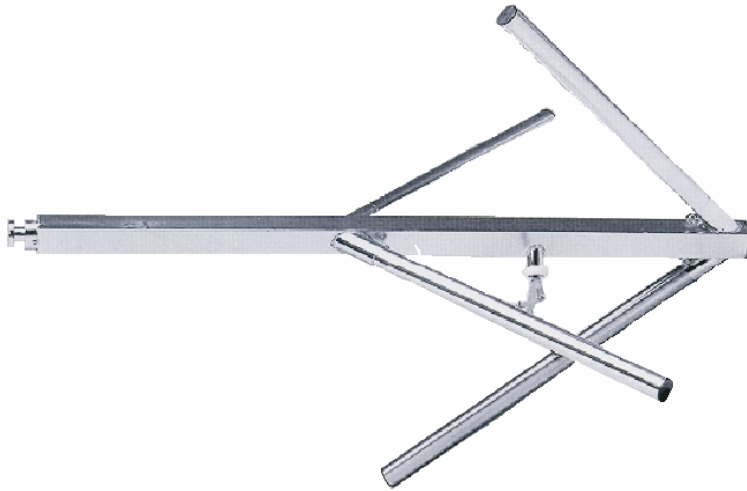
Proposed 109.7 dBu F(50:10)

W264AS.P



V-Soft Communications LLC ©

Exhibit 13.7 - Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 70.0°T)



NICOM
BKG77

Medium Power

**Broadband
FM Circular
Polarization
Antenna
Antena de
FM Banda Ancha
Polarizacion Circular**

This antenna, constructed completely of stainless steel, offers circular polarization for better coverage especially in urban areas. In order to facilitate and decrease shipping costs, this model is simple to break down and reassemble when ready to be installed. It is insulated with Teflon, and with the appropriate connector has a maximum input of 2 kw.

Esta antena, fabricada completamente de acero inoxidable, le ofrece polarización circular para mejor alcance, especialmente en zonas urbanas. Para facilitar y disminuir los costos de transportación, este modelo es fácil de desarmar y volver a montar tan pronto que la quiera instalar. Está aislada con Teflon, y con el conector apropiado tiene una entrada máxima de 2 kw.



TECHNICAL SPECIFICATIONS

Antenna type	circular polarization dipole	Front-to-back ratio	3 dB
Frequency range	87.5 - 108 MHz	Lightening protection	all parts grounded
Bandwidth	16 MHz	Max wind velocity	119 mph (190 km/h)
Impedance	50 ohms	Wind load	53 Lbs (24 kg)
Connectors	N type (1 kw) - 7/8 type (2 kw)	Wind surface	1.1 ft ² (0.10 m ²)
Power rating	2000 Watts max	Materials (external)	stainless steel
VSWR	< 1.3	Mounting	from 2" to 4"
Polarization	vertical and horizontal	Weight	23.1 Lbs (10.5 kg)
Gain	- 3 dBd (referred to half-wave dipole)	Dimensions	58"×32"×32" (1450×800×800mm)
H plane	omnidirectional ±1.5 dB (with a 4" mast)	Packing	72"×6"×6" (1500×152×152mm)
V plane	omnidirectional ±3 dB (with a 4" mast)		

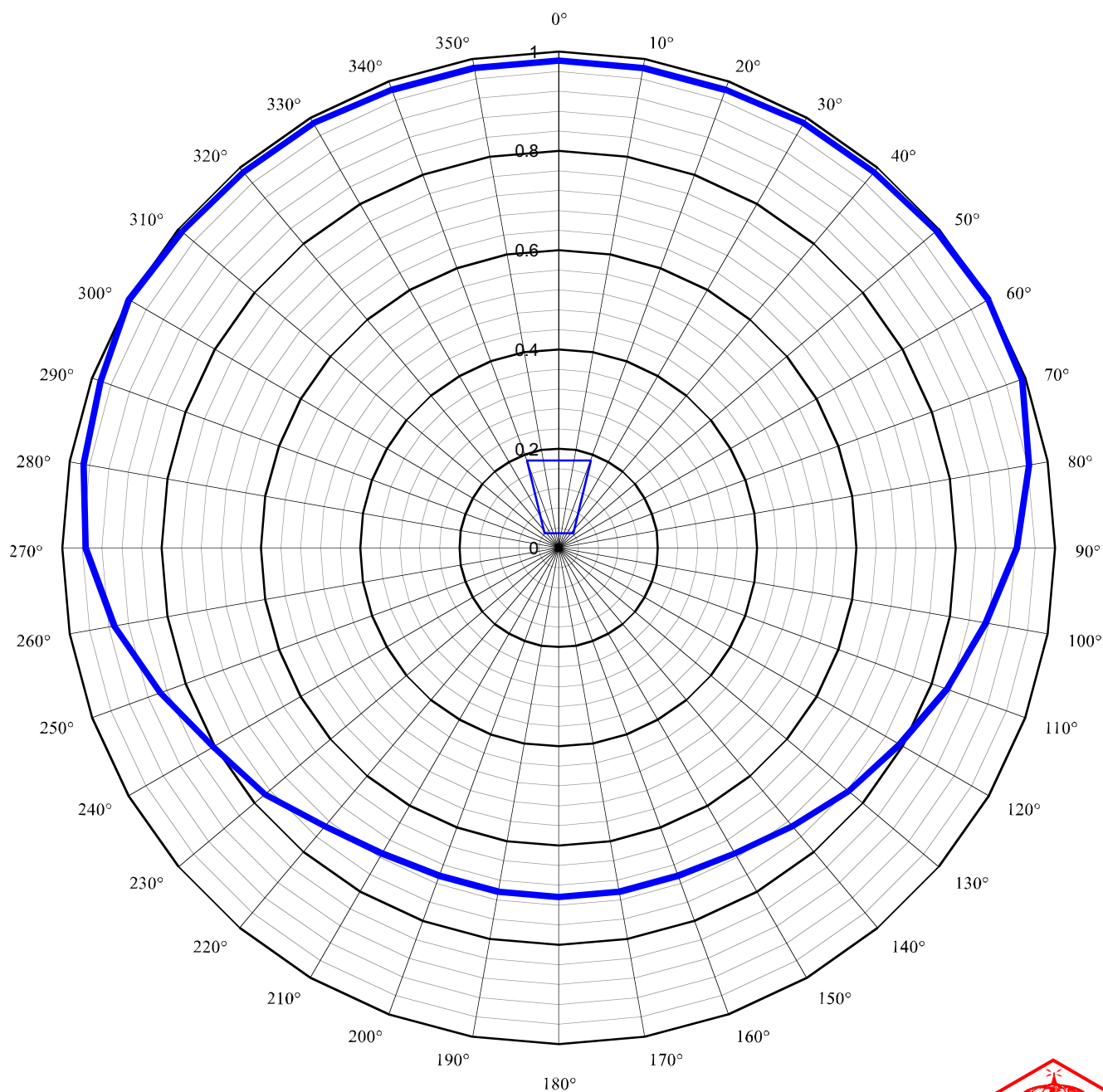


Exhibit 13.7 - Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 70.0°T)

Plot of Horizontal Antenna Pattern

Manufacturer: NicomUSA, Inc.
Make/Model: BKG77/2-DA
Polarization: Circular
Inter Bay Spacing: 0.9λ (Wavelength)
Antenna Gain: -0.1 dBd

Frequency: 87.5 MHz - 108.0 MHz
Weight: 14 kg
Max Power: 5.0 kW
Return Loss: -27.1 dB
R.C. Phase: -89°



MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339

Exhibit 13.7 - Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 70.0°T)

Tabulation of Horizontal Antenna Pattern

Manufacturer: NicomUSA, Inc. Make/Model: BKG77/2-DA Polarization: Circular Inter Bay Spacing: 0.9 λ (Wavelength) Antenna Gain: -0.1 dBd	Frequency: 87.5 MHz - 108.0 MHz Weight: 14 Kg Max Power: 5 kW Return Loss: -27.1 dB R.C. Phase: -89°
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Horizontal Azimuth	Field (%)	Field dB	Horizontal Azimuth	Field (%)	Field dB	Horizontal Azimuth	Field (%)	Field dB
0.0°	0.982	-0.08	120.0°	0.792	-1.01	240.0°	0.802	-0.96
10.0°	0.982	-0.08	130.0°	0.762	-1.18	250.0°	0.853	-0.69
20.0°	0.982	-0.08	140.0°	0.732	-1.35	260.0°	0.909	-0.41
30.0°	0.988	-0.05	150.0°	0.710	-1.49	270.0°	0.953	-0.21
40.0°	0.988	-0.05	160.0°	0.703	-1.53	280.0°	0.972	-0.12
50.0°	0.993	-0.03	170.0°	0.703	-1.53	290.0°	0.982	-0.08
60.0°	1.000	0.00	180.0°	0.703	-1.53	300.0°	1.000	0.00
70.0°	0.993	-0.03	190.0°	0.703	-1.53	310.0°	0.991	-0.04
80.0°	0.962	-0.17	200.0°	0.703	-1.53	320.0°	0.988	-0.05
90.0°	0.923	-0.35	210.0°	0.711	-1.48	330.0°	0.988	-0.05
100.0°	0.873	-0.59	220.0°	0.732	-1.35	340.0°	0.982	-0.08
110.0°	0.832	-0.80	230.0°	0.772	-1.12	350.0°	0.982	-0.08

Exhibit 13.7 - Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 70.0°T)

Plot of Vertical Radiation Pattern

Manufacturer: NicomUSA, Inc.
Make/Model: BKG77/2-DA
Polarization: Circular
Inter Bay Spacing: 0.9λ (Wavelength)
Antenna Gain: -0.1 dBd

Frequency: 87.5 MHz - 108.0 MHz
Weight: 14 kg
Max Power: 5.0 kW
Return Loss: -27.1 dB
R.C. Phase: -89°

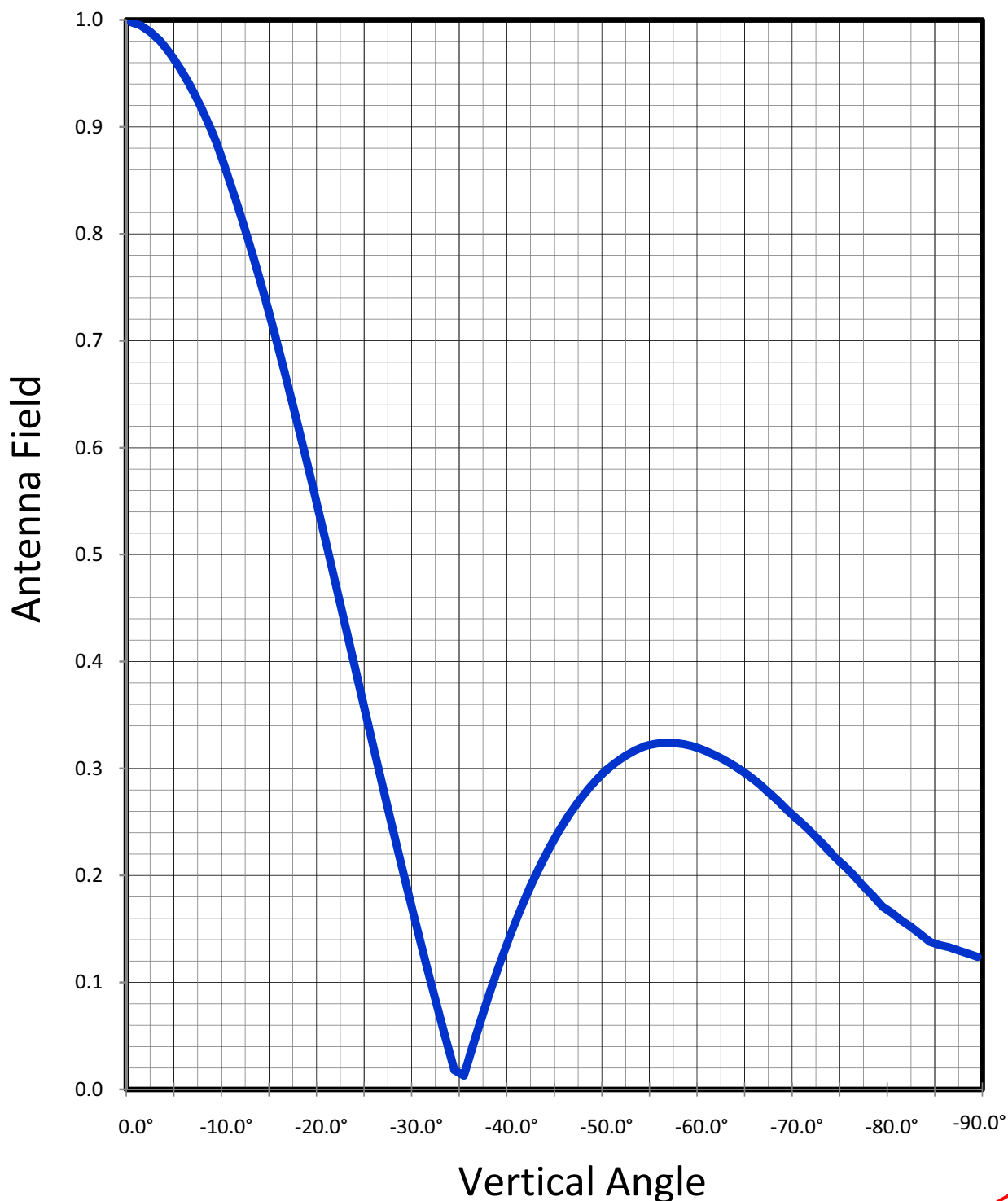


Exhibit 13.7 - Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 70.0°T)

Tabulation of Vertical Radiation Pattern

Manufacturer: NicomUSA, Inc.

Frequency: 87.5 MHz - 108.0 MHz

Make/Model: BKG77/2-DA

Weight: 14 Kg

Polarization: Circular

Max Power: 5 kW

Inter Bay Spacing: 0.9 λ (Wavelength)

Return Loss: -27.1 dB

Antenna Gain: -0.1 dBd

R.C. Phase: -89°

Vertical Azimuth	Field (%)	dB	Vertical Azimuth	Field (%)	dB	Vertical Azimuth	Field (%)	dB
0.0°	1.000	0.00	-30.0°	0.189	-7.24	-60.0°	0.321	-4.93
-1.0°	0.998	-0.01	-31.0°	0.153	-8.15	-61.0°	0.318	-4.98
-2.0°	0.995	-0.02	-32.0°	0.118	-9.28	-62.0°	0.314	-5.03
-3.0°	0.989	-0.05	-33.0°	0.083	-10.81	-63.0°	0.310	-5.09
-4.0°	0.981	-0.08	-34.0°	0.050	-13.01	-64.0°	0.305	-5.16
-5.0°	0.970	-0.13	-35.0°	0.018	-17.45	-65.0°	0.299	-5.24
-6.0°	0.957	-0.19	-36.0°	0.013	-18.86	-66.0°	0.293	-5.33
-7.0°	0.942	-0.26	-37.0°	0.043	-13.67	-67.0°	0.286	-5.44
-8.0°	0.925	-0.34	-38.0°	0.071	-11.49	-68.0°	0.278	-5.56
-9.0°	0.906	-0.43	-39.0°	0.098	-10.09	-69.0°	0.270	-5.69
-10.0°	0.885	-0.53	-40.0°	0.123	-9.10	-70.0°	0.261	-5.83
-11.0°	0.859	-0.66	-41.0°	0.147	-8.33	-71.0°	0.253	-5.97
-12.0°	0.832	-0.80	-42.0°	0.169	-7.72	-72.0°	0.245	-6.11
-13.0°	0.804	-0.95	-43.0°	0.190	-7.21	-73.0°	0.236	-6.27
-14.0°	0.774	-1.11	-44.0°	0.209	-6.80	-74.0°	0.227	-6.44
-15.0°	0.743	-1.29	-45.0°	0.226	-6.46	-75.0°	0.217	-6.64
-16.0°	0.710	-1.49	-46.0°	0.242	-6.16	-76.0°	0.209	-6.80
-17.0°	0.676	-1.70	-47.0°	0.256	-5.92	-77.0°	0.200	-6.99
-18.0°	0.640	-1.94	-48.0°	0.269	-5.70	-78.0°	0.190	-7.21
-19.0°	0.605	-2.18	-49.0°	0.280	-5.53	-79.0°	0.181	-7.42
-20.0°	0.568	-2.46	-50.0°	0.290	-5.38	-80.0°	0.171	-7.67
-21.0°	0.530	-2.76	-51.0°	0.299	-5.24	-81.0°	0.165	-7.83
-22.0°	0.492	-3.08	-52.0°	0.306	-5.14	-82.0°	0.158	-8.01
-23.0°	0.454	-3.43	-53.0°	0.312	-5.06	-83.0°	0.152	-8.18
-24.0°	0.415	-3.82	-54.0°	0.317	-4.99	-84.0°	0.145	-8.39
-25.0°	0.377	-4.24	-55.0°	0.321	-4.93	-85.0°	0.138	-8.60
-26.0°	0.339	-4.70	-56.0°	0.323	-4.91	-86.0°	0.135	-8.70
-27.0°	0.301	-5.21	-57.0°	0.324	-4.89	-87.0°	0.133	-8.76
-28.0°	0.263	-5.80	-58.0°	0.324	-4.89	-88.0°	0.130	-8.86
-29.0°	0.226	-6.46	-59.0°	0.323	-4.91	-89.0°	0.127	-8.96
						-90.0°	0.124	-9.07

