

**PALM SPRINGS, CA
BNPFT-20030317BUT
SHORT FORM AMENDMNET**

This is a unilateral technical short form amendment by Redwood Empire Stereocasters, Inc. for its application BNPFT-20030317BUT (297APP hereafter) eliminating the conflict with application BNPFT-20030313AWL (300APP hereafter) on channel 300 utilizing interference ratios. Other minor technical amendments are made including a change in the primary station to KPSI(AM) at Palm Springs, CA (facility ID # 67355).

There is no settlement agreement.

An LPFM preclusion study is included as E1 demonstrating that the amended application will not conflict with any LPFM channel point in the Palm Springs or Riverside-San Bernardino, CA 30X30 grids.

Allocation discussion:

All exhibits utilize the FCC 30 second terrain database.

- E1 Channel study
- E1A1 Interference plot to KDGL, KDGL-FM1 and BNPFT-20030313AWL
- E1A2 Interference received plot from BNPFT-200313AWL
- E1B Aerial photograph of interference area
- E1C DA
- E1D Mexico allocations clearance exhibit
- E2 60 dBu and 2 mV/m contours
- E3 NADCON-TowerAir

A channel study is included as E1 demonstrating compliance with §74.1204 with the exception of 2nd adjacent channel station KDGL and booster KDGL-FM1 on channel 295 and co-pending Auction 83 application BNPFT-20030313AWL on channel 300 which are analyzed below. A plot of the proposed 60 dBu is provided as E2 showing that it is entirely contained within the KPSI 2 mV/m and 40 km radius and that it overlaps the original short form 60 dBu.

The proposed facility will be located inside the protected contour of third adjacent channel and co-pending 300AP translator application. Exhibit E1A1 demonstrates that the 300APP contour at the proposed 297APP site is 107 dBu. Therefore, an interference

analysis has been conducted based on the U/D ratio of +40 dB at the proposed site. The proposed interference contour is 147 dBu (+40) or five (5) meters. It is clear that this contour will not reach any populated area with an antenna mounted at 12 meters AGL (also see aerial map at E1B). It is also necessary to disprove received interference from the 300APP. Exhibit E1A2 shows that the proposed 297 contour at the 300APP site is 130 dBu and the 300APP interference contour is 170 dBu (+40) or 0.1 meters. No interference is received to any populated area.

The proposed site is also inside the 2nd adjacent contour of station KDGL and booster KDGL-FM1. The KDGL contour at the proposed site is 73.5 dBu and the interfering contour is 128 dBu (+40) or 234.4 meters maximum. The actual contour based on the proposed DA is plotted in exhibits E1A1 and E1B which shows that it does not reach any populated area or major highway. The area is used only by radio transmitting towers.

The KDGL-FM1 contour at the proposed site is 128 dBu and the proposed CH297 interference contour is 168 dBu (+40) or 0.4 meters. Again, this contour cannot reach any populated area from 12 meters AGL.

Clearly, these interference contours will not reach any populated area or major highways. Based on this showing, a waiver of Section 74.1204 is requested in accordance with *Living Way Ministries, Inc.* (FCC 08-242).

Mexico analysis:

§74.1235(d)(2) requires that any translator located between 125 and 320 km from the Mexico border may operate with up to 250 Watts as long as the 60 dBu contour is located at least 116.3 km from that border. Exhibit E1D shows that the proposed 297APP site is 140.8 km from the border and that the closest point on the 60 dBu contour is 119.9 km from the border. Therefore, the 297APP is in compliance with the rules.

HAAT and 60 dBu tabulation:

N. Lat. = 33-51-58 W. Lng. = 116-26-03
FCC, FM 2-10 Miles, 51 points Method - FCC 30 SEC

| Azi. | AV EL | HAAT | dBk | 60-F5 |
|------|-------|-------|--------|-------|
| 000 | 0.0 | 494.0 | -6.93 | 27.37 |
| 030 | 0.0 | 494.0 | -6.07 | 28.70 |
| 060 | 0.0 | 494.0 | -6.60 | 27.86 |
| 090 | 0.0 | 494.0 | -9.09 | 24.27 |
| 120 | 0.0 | 494.0 | -10.52 | 22.41 |
| 150 | 0.0 | 494.0 | -10.52 | 22.41 |
| 180 | 0.0 | 494.0 | -10.44 | 22.50 |
| 210 | 0.0 | 494.0 | -9.03 | 24.35 |
| 240 | 0.0 | 494.0 | -6.63 | 27.82 |
| 270 | 0.0 | 494.0 | -6.15 | 28.57 |
| 300 | 0.0 | 494.0 | -7.00 | 27.25 |
| 330 | 0.0 | 494.0 | -7.57 | 26.41 |

Ave El= 0.00 M HAAT= 494.00 M AMSL= 494 M

RF Exposure Calculation:

The proposed facility will utilize a Bext TFC2K-2 half-wave spaced circularly polarized antenna with a center of radiation at 12 meters AGL. The RF contribution of the proposed translator was calculated using the formula below to be 19.9 μ Watts/cm² at 15.6 meters 10% of the general population exposure and 2.0% of the controlled access occupational limit. Since this is a communications site with restricted access 2% is less than the 5% requiring consideration, and the proposed translator clearly complies with Commission RF radiation limits.



Charles M. Anderson, May 23, 2013

EXHIBIT E1

| REFERENCE 33 51 58.0 N. 116 26 03.0 W. | | CH# 297D - 107.3 MHz, Pwr= 0.25 kw DA, HAAT= 185.6 M, COR= 494 M Average Protected F(50-50)= 17.88 km Standard Directional | | | | | | | DISPLAY DATES DATA 05-23-13 SEARCH 05-23-13 | | |
|--|----------|--|------------------|---------------------------|---------------------------|--------------------|-------------------|------------------------------------|---|-----------------------|--|
| CH CITY | CALL | TYPE STATE | ANT AZI -- | DIST FILE # | LAT LNG | PWR(kw) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* | |
| 297D Palm Springs | 635199 | APP _C_ CA | 202.8 22.8 | 0.06 BNPFT20030317BUT | 33 51 56.0 116 26 04.0 | 0.010 159 | 10.2 470 | 3.2 Redwood Empire | -27.7* | -59.3* Stereocaste | |
| 295B Yucca Valley | KDGL | LIC _H_ CA | 19.4 199.5 | 25.40 BMLH20021028AAA | 34 04 55.0 116 20 32.0 | 4.000 418 | 3.9 1554 | 63.7 Mcc Radio, Llc | 14.2 | -39.9*(1) | |
| 295D Palm Springs | KDGL-FM1 | LIC DC_ CA | 115.8 295.8 | 0.14 BLFTB20040504ABK | 33 51 56.0 116 25 58.0 | 2.700 | 2.9 493 | 36.6 Mcc Radio, Llc | -22.3* | -37.1*(1) | |
| 297C1 Tijuana | R11853 | VAC ____ BN | 195.7 15.5 | 160.64 | 32 28 28.0 116 53 54.0 | 100.000 299 | 172.8 539 | 72.0 | -31.9* | 26.7 | |
| 300D Dos Palmas Corners | 631976 | APP DC_ CA | 90.0 270.0 | 0.02 BNPFT20030313AWL | 33 51 58.0 116 26 02.0 | 0.015 172 | 0.1 484 | 3.6 Gulf-california Broadcast | -15.0* | -4.4*(1) | |
| 300D Indio | 649477 | APP _C_ CA | 122.3 302.4 | 27.51 BNPFT20030317IWS | 33 44 02.0 116 10 58.0 | 0.250 -167 | 1.1 46 | 7.1 Radio Desafio Network, Inc | 6.1 | 19.8 | |
| 298B Los Angeles | KLVE | LIC _CN CA | 285.5 104.6 | 156.06 BMLH19950612KBB | 34 13 44.0 118 04 02.0 | 29.500 914 | 128.5 1811 | 102.7 Klve-fm License Corp. | 6.2 | 7.1 | |
| 297C1 Tijuana | XHFG-FM | OPE DHN BN | 195.7 15.5 | 160.70 20101019MX1 | 32 28 26.0 116 53 54.0 | 20.600 296 | 133.5 538 | 72.0 | 7.5 | 26.7 | |
| 300D Palm Desert | 632247 | APP DCN CA | 205.8 25.7 | 26.85 BNPFT20030312AQY | 33 38 53.8 116 33 38.3 | 0.010 841 | 0.1 2105 | 14.8 Advance Ministries, Inc. D | 8.2 | 10.2 | |
| 244A La Quinta | KUNA-FM« | LIC _C_ CA | 110.1 290.2 | 20.61 BMLH20010619AAJ | 33 48 08.0 116 13 30.0 | 0.970 177 | 0.0 545 | 0.0 Gulf-california Broadcast | 10.0R | 11.1M | |
| 299B1 Twentynine Palms | KCDZ | LIC NCN CA | 34.2 214.4 | 38.72 BLH19971231KD | 34 09 15.0 116 11 50.0 | 6.700 93 | 1.6 971 | 19.5 Morongo Basin Broadcasting | 29.2 | 17.7 | |
| 297A Lenwood | KIXW-FM | LIC _C_ CA | 335.8 155.5 | 134.58 BLH20000322ABH | 34 58 15.0 117 02 22.0 | 1.000 238 | 90.8 1042 | 34.0 Khwy, Inc. | 27.1 | 53.2 | |
| 300B San Clemente | KWVE-FM | LIC ZC_ CA | 260.7 80.1 | 103.11 BLH20000711AAY | 33 42 40.0 117 31 55.0 | 0.530 1156 | 1.6 1774 | 66.3 Calvary Chapel of Costa Me | 81.1 | 34.9 | |
| 296A Fallbrook | KSSD | LIC _CN CA | 232.7 52.3 | 88.13 BLH19850508KA | 33 23 01.0 117 11 20.0 | 3.000 91 | 19.5 358 | 13.2 Entravision Holdings, Llc | 46.8 | 42.4 | |

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= East Zone 2A, Co to 3rd adjacent.
All separation margins (if shown) include rounding
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.
« = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue:

(1) See technical report and E1A1, E1A2 and E1B for disproval of interference.

143069
BNPFT20030317BUT
Latitude: 33-51-58 N
Longitude: 116-26-03 W
ERP: 0.25 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 494.0 m
Elevation: 482.0 m
Horiz. Pattern: Directional

PROPOSED 113.5 DBU (50:10)
INTERFERENCE CONTOUR TO KDGL
DOES NOT REACH ANY POPULATED
AREA OR MAJOR HIGHWAY. SEE E1B.

BNPFT-20030313AWL
107 DBU (50:50)

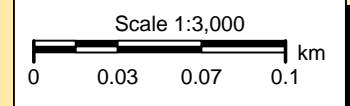
KDGL 73.5 DBU

INTERFERENCE CONTOURS TO KDGL-FM1 = 0.4 METERS
INTERFERENCE TO BNPFT-20030313AWL = 5 METERS
CLEARLY NOT REACHING POPULATED AREA.

KDGL-FM1 128 DBU

EXHIBIT E1A1
INTERFERENCE TO
KDGL - KDGL-FM1 - BNPFT-20030313AWL

ANDERSON ASSOCIATES



143069

BNPFT20030317BUT

Latitude: 33-51-58 N

Longitude: 116-26-03 W

ERP: 0.25 kW

Channel: 297

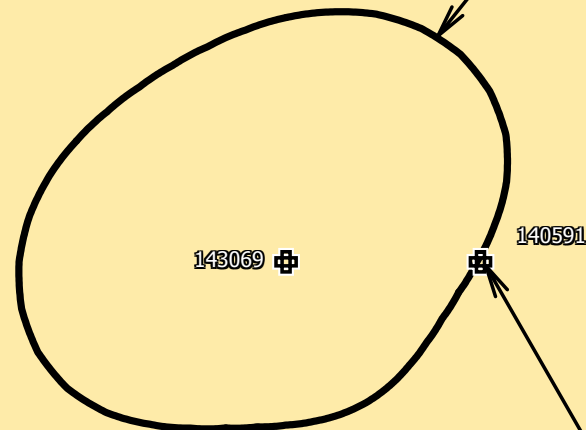
Frequency: 107.3 MHz

AMSL Height: 494.0 m

Elevation: 482.0 m

Horiz. Pattern: Directional

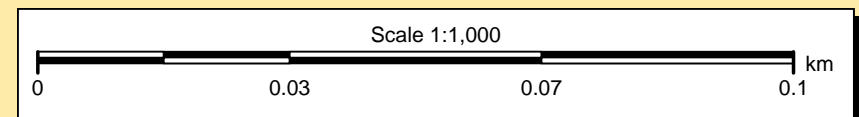
PROPOSED CH 297 50:50 CONTOUR
AT BNPFT-20030313AWL = 130 DBU



BPFT-20030313AWL INTERFERENCE CONTOUR
TO PROPOSED PALM SPRINGS 297 APP = 170 DBU (50:10) = 0.1 METER.
CLEARLY IT DOES NOT CAUSE THE CH 297 APPLICATION ANY PROHIBITED
INTERFERENCE FROM 10 METERS AGL. ALSO SEE EXHIBIT E1B AERIAL PHOTOGRAPH.

ANDERSON ASSOCIATES

**EXHIBIT E1A2 INTERFERENCE FROM
BNPFT-20030313AWL**



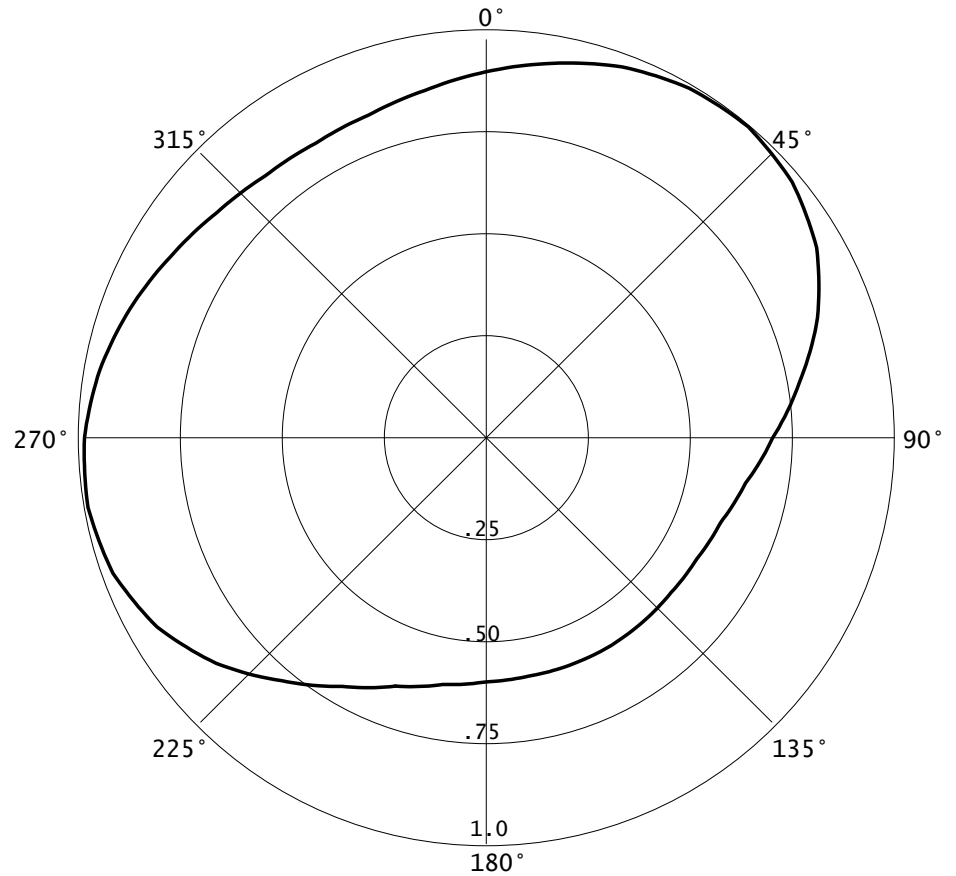
E1C DA

05-24-2013

RMS(V)= .82

Graph is Relative Field

| Azi | Field | dBk | kw |
|-----|-------|---------|-------|
| 000 | 0.901 | -06.926 | 0.203 |
| 010 | 0.936 | -06.595 | 0.219 |
| 020 | 0.972 | -06.267 | 0.236 |
| 030 | 0.994 | -06.073 | 0.247 |
| 040 | 0.999 | -06.029 | 0.250 |
| 050 | 0.979 | -06.205 | 0.240 |
| 060 | 0.935 | -06.604 | 0.219 |
| 070 | 0.864 | -07.290 | 0.187 |
| 080 | 0.779 | -08.190 | 0.152 |
| 090 | 0.702 | -09.094 | 0.123 |
| 100 | 0.645 | -09.829 | 0.104 |
| 110 | 0.611 | -10.300 | 0.093 |
| 120 | 0.596 | -10.516 | 0.089 |
| 130 | 0.592 | -10.574 | 0.088 |
| 140 | 0.594 | -10.545 | 0.088 |
| 150 | 0.596 | -10.516 | 0.089 |
| 160 | 0.596 | -10.516 | 0.089 |
| 170 | 0.596 | -10.516 | 0.089 |
| 180 | 0.601 | -10.443 | 0.090 |
| 190 | 0.617 | -10.215 | 0.095 |
| 200 | 0.651 | -09.749 | 0.106 |
| 210 | 0.707 | -09.032 | 0.125 |
| 220 | 0.781 | -08.168 | 0.152 |
| 230 | 0.864 | -07.290 | 0.187 |
| 240 | 0.932 | -06.632 | 0.217 |
| 250 | 0.974 | -06.249 | 0.237 |
| 260 | 0.991 | -06.099 | 0.246 |
| 270 | 0.985 | -06.152 | 0.243 |
| 280 | 0.962 | -06.357 | 0.231 |
| 290 | 0.929 | -06.660 | 0.216 |
| 300 | 0.893 | -07.004 | 0.199 |
| 310 | 0.862 | -07.310 | 0.186 |
| 320 | 0.842 | -07.514 | 0.177 |
| 330 | 0.837 | -07.566 | 0.175 |
| 340 | 0.845 | -07.483 | 0.179 |
| 350 | 0.868 | -07.250 | 0.188 |



Note: See manufacturer's published data at the end of the report.

143069
BNPFT20030317BUT
Latitude: 33-51-58 N
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ERP: 0.25 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 494.0 m
Elevation: 482.0 m
Horiz. Pattern: Directional

EXHIBIT E1D

PROPOSED 60 DBU

140.8 KM FROM SITE TO BORDER.

CLOSEST DISTANCE FROM PROPOSED 60 DBU TO
US MEXICO BORDER IS 119.9 KM.
SECTION 74.1235(D)(2) REQUIRES 116.3 KM.

Scale 1:1,000,000

0 10 20 30 km

143069

BNPFT20030317BUT

Latitude: 33-51-58 N

Longitude: 116-26-03 W

ERP: 0.25 kW

Channel: 297

Frequency: 107.3 MHz

AMSL Height: 494.0 m

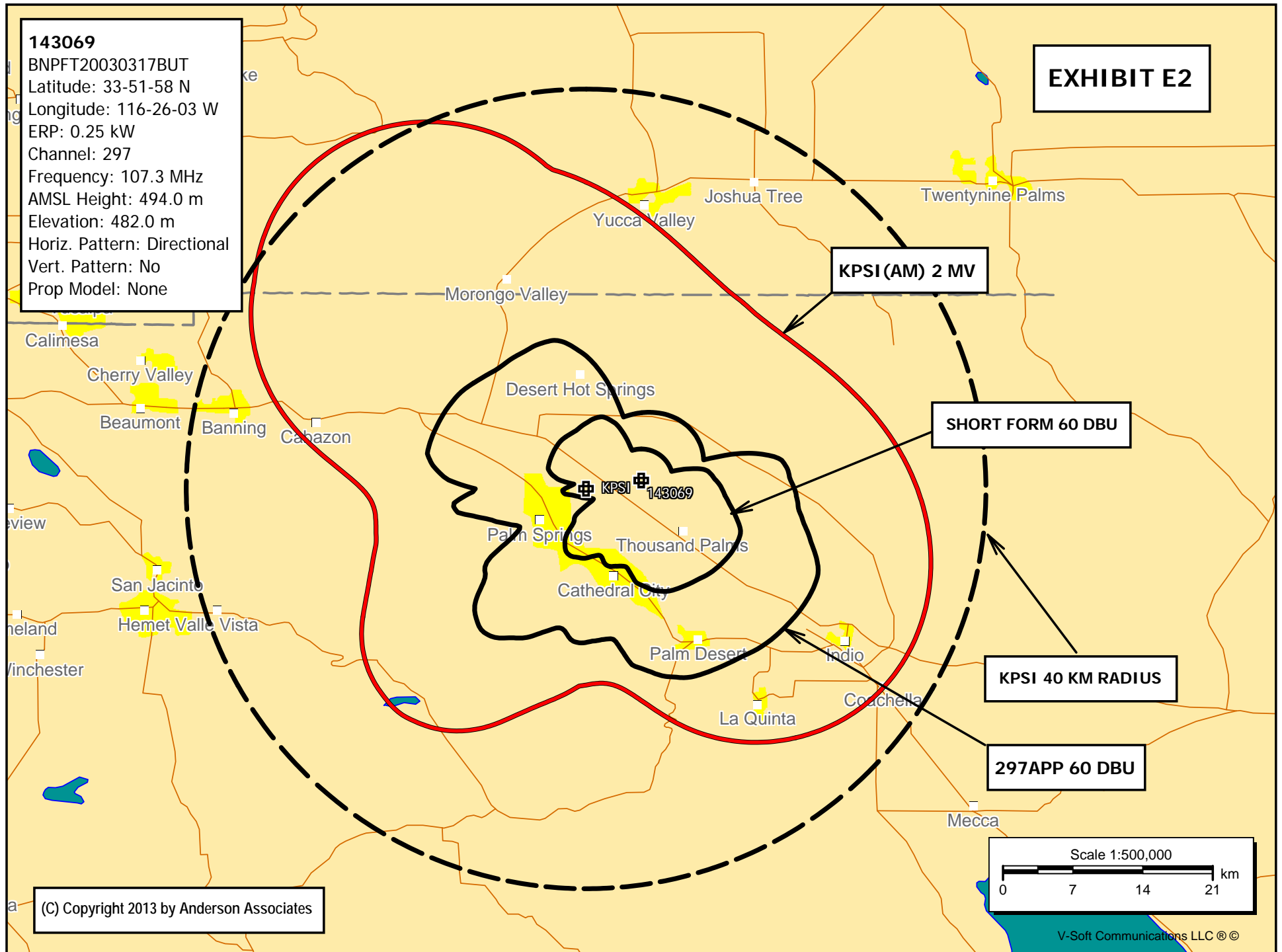
Elevation: 482.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: None

EXHIBIT E2



Output from NADCON for station PALM SPRINGS TX

North American Datum Conversion

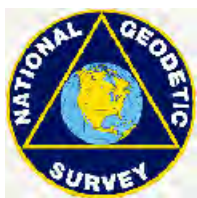
NAD 83 to NAD 27

NADCON Program Version 2.11

=====

Transformation #: 1 Region: Conus

| | Latitude | Longitude |
|-------------------------------|----------------|------------------|
| NAD 27 datum values: | 33 51 58.18852 | 116 26 2.56208 |
| NAD 83 datum values: | 33 51 58.24800 | 116 26 5.60400 |
| NAD 27 - NAD 83 shift values: | -0.05948 | -3.04192(secs.) |
| | -1.833 | -78.185 (meters) |
| Magnitude of total shift: | | 78.207(meters) |



[NGS HOME PAGE](http://www.ngs.noaa.gov/cgi-bin/nadcon.prl)http://www.ngs.noaa.gov/cgi-bin/nadcon.prl

TOWAIR Determination Results

A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration.

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 7663.89 MTRS (7.66389 KM) AWAY

| Type | C/R | Latitude | Longitude | Name | Address | Lowest Elevation (m) | Runway Length (m) |
|------|-----|-------------|---------------|-------------------|----------------------------|----------------------|--------------------|
| AIRP | R | 33-50-7.00N | 116-30-35.00W | PALM SPRINGS INTL | RIVERSIDE PALM SPRINGS, CA | 121.4 | 3048.3000000000002 |

PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 7869.63 MTRS (7.86960 KM) AWAY

| Type | C/R | Latitude | Longitude | Name | Address | Lowest Elevation (m) | Runway Length (m) |
|------|-----|--------------|--------------|-------------------|----------------------------|----------------------|--------------------|
| AIRP | R | 33-50-26.00N | 116-31-3.00W | PALM SPRINGS INTL | RIVERSIDE PALM SPRINGS, CA | 121.4 | 3048.3000000000002 |

Your Specifications

NAD83 Coordinates

| | |
|-----------|------------------|
| Latitude | 33-51-58.0 north |
| Longitude | 116-26-03.0 west |

Measurements (Meters)

| | |
|--------------------------------|-----|
| Overall Structure Height (AGL) | 27 |
| Support Structure Height (AGL) | 0 |
| Site Elevation (AMSL) | 482 |

Structure Type

GTOWER - Guyed Structure Used for Communication Purposes

BEXT, Inc.

TFC2K 2 Bay Halfwave

TX station:

Site name:

Frequency: 98.00 MHz

Date: 08/08/2007

General data of antenna system

| | |
|---|-------|
| TX station | |
| Site name | |
| Site longitude (+ddd°pp'ss") | |
| Site latitude (+dd°pp'ss") | |
| Ground level a.s.l. (m) | 1 |
| Antenna system height a.g.l. (m) | 15.0 |
| Transmitter power (Watt) | 1.0 |
| Carrier wave frequency (MHz) | 98.00 |
| Antenna system central frequency (MHz) | 98.00 |
| Filename of antenna base diagrams type 1 | TFC2K |
| Filename of antenna base diagrams type 2 | |
| Antenna system polarization (H, V, C, X) | C |
| Transmitting cable attenuation (dB) | 0.1 |
| Additional attenuations (dB) | 0.1 |
| Base diagrams sectors (A = all, F = front) | A |
| Velocity factor of cables to antennas (0÷1) | 0.89 |
| Coordinate system (C = cartesian, P = polar) | C |
| Mast side/diameter (cm): | 0.0 |
| Mast cross section (Triangular, Square, Circular) | S |
| Mast rotation w.r.t. North (°) | 0 |
| System picture filename (*.bmp *.gif *.jpg) | |

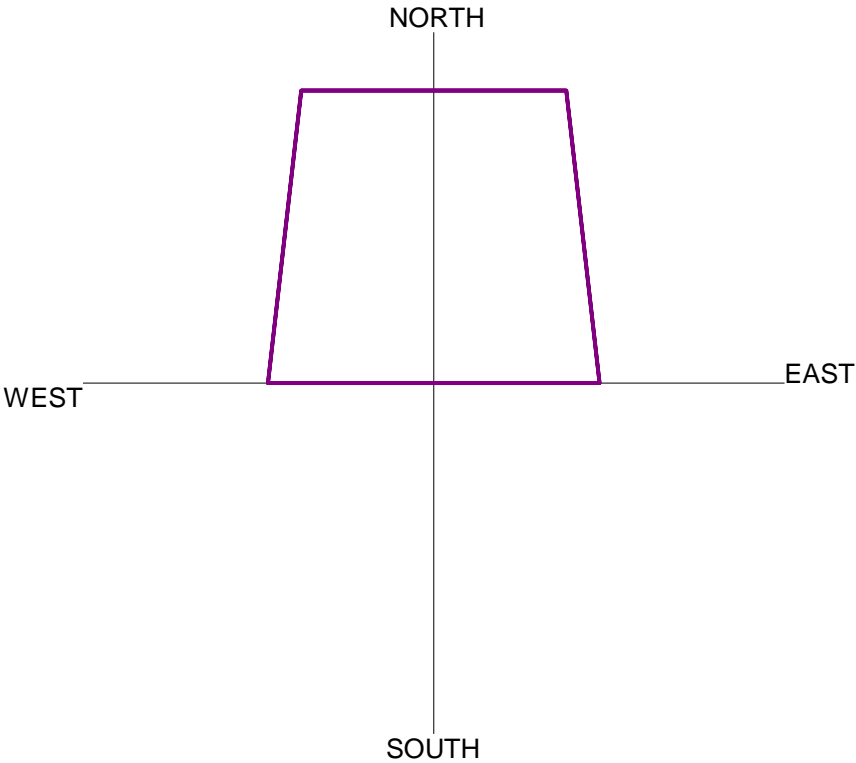
Information about antennas used in the system

| | |
|--------------------------|------------|
| Manufacturer | BEXT, Inc. |
| Antenna model | TFC2K |
| Band start (MHz) | 87 |
| Band stop (MHz) | 108 |
| Diagrams frequency (MHz) | 98 |
| Polariz. (H, V, C, X) | C |
| Vertical dist. (cm) | 320 |
| Height (cm) | 250 |
| Width (cm) | 170 |
| Thickness (cm) | 150 |
| Weight (Kg) | 80 |
| Maximum power (KW) | 4 |
| Gain (dBd) | -1.71 |
| North E.C. (cm) | 70 |
| East E.C. (cm) | 0 |
| Return loss (dB) | 0 |
| R.C. phase (°) | 0 |

Geometrical and electrical data of antenna system

| | <i>Power</i> (%) | <i>Tilt</i> (°) | <i>Az.</i> (°/N) | <i>Phase</i> (°) | <i>V dist.</i> (m) | <i>E.C.</i> (cm) | <i>N.C.</i> (cm) | <i>Rot.</i> (1÷4) | <i>Type</i> (1÷2) | <i>L cables</i> (cm) | <i>Car. phase</i> (°) | |
|---|---------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|---------------------|----------------------|----------------------|-------------------------|--------------------------|-----|
| 1 | 50.0000 | | 0 | 0 | +0.0 | 0.78 | 0.0 | 0.0 | 1 | 1 | 0.0 | 0.0 |
| 2 | 50.0000 | | 0 | 0 | +0.0 | -0.78 | 0.0 | 0.0 | 1 | 1 | 0.0 | 0.0 |

Plane of antenna system



Side of antenna system



Frequency: 98.00 MHz

Antennas arrays data

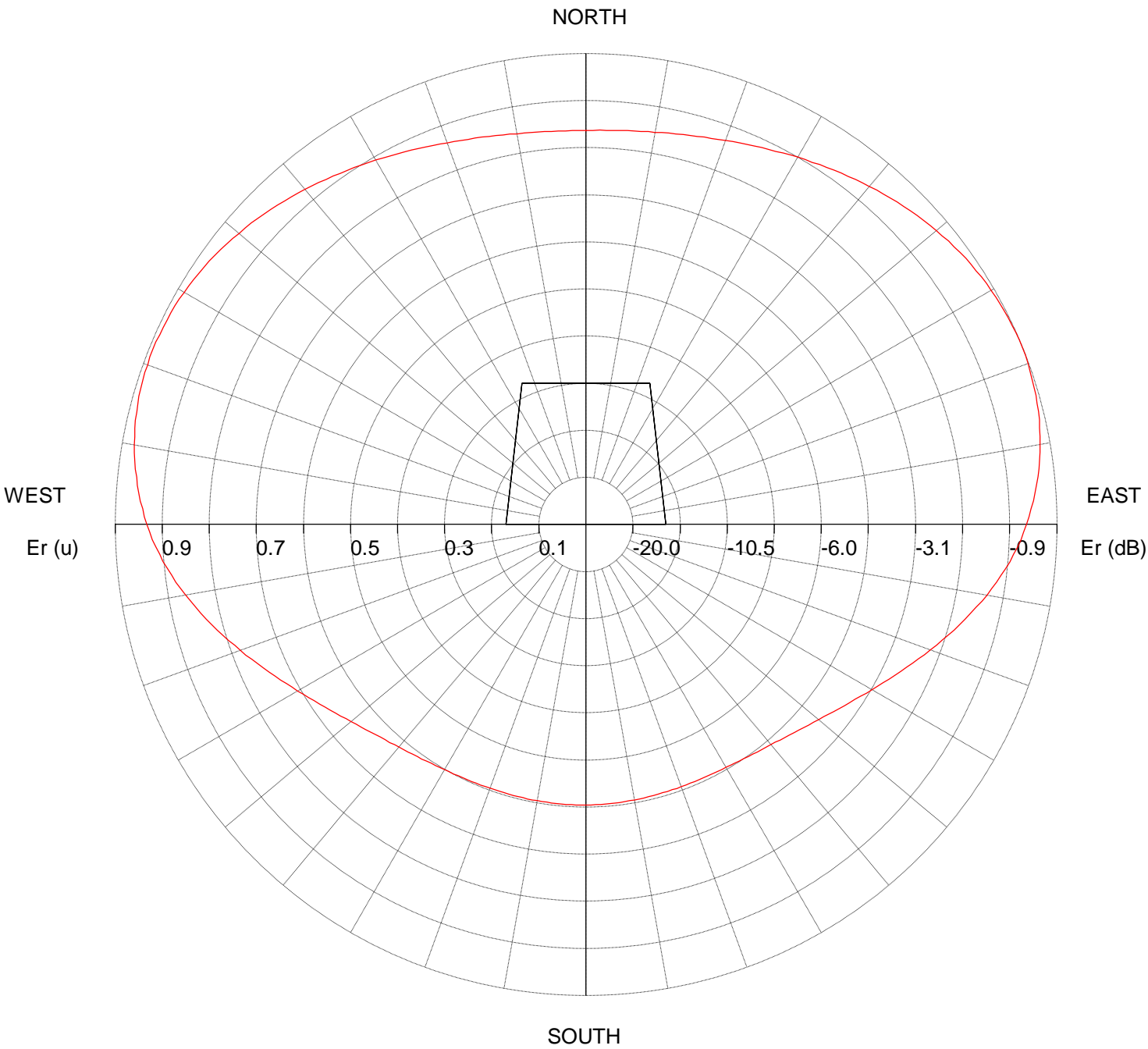
| | |
|-----------------------------------|--------|
| A. Antennas array azimuth (°/N) | 0 |
| B. Number of antennas | 2 |
| C. Nominal power supply (W) | 1.00 |
| D. Losses (addit. + cables) (dB) | 0.2 |
| E. Effective power supply (W) | 0.95 |
| F. Theor. maximum gain (dBd) | -1.70 |
| G. Distribution losses (dB) | 0.00 |
| H. Nominal max gain [F - G] (dBd) | -1.70 |
| I. Compensation losses (dB) | 0.00 |
| J. Effec. max gain [H - I] (dBd) | -1.70 |
| K. Effec. max gain (times) | 0.68 |
| L. Effec. max power [E * K] (KW) | 0.0006 |
| M. Max power depr. angle (°) | -1.0 |
| N. Max power az. angle (°) | 66 |

Diagram in dBK calculated at horizon

| Az. (°/N) dBK | | Az. (°/N) dBK | | Az. (°/N) dBK | | Az. (°/N) dBK | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| 0 | -33.5 | 90 | -32.5 | 180 | -36.4 | 270 | -32.5 |
| 10 | -33.4 | 100 | -33.2 | 190 | -36.4 | 280 | -32.1 |
| 20 | -33.1 | 110 | -34.1 | 200 | -36.4 | 290 | -32.0 |
| 30 | -32.8 | 120 | -35.0 | 210 | -36.3 | 300 | -32.0 |
| 40 | -32.5 | 130 | -35.7 | 220 | -36.1 | 310 | -32.2 |
| 50 | -32.2 | 140 | -36.2 | 230 | -35.6 | 320 | -32.5 |
| 60 | -32.0 | 150 | -36.4 | 240 | -34.9 | 330 | -32.9 |
| 70 | -31.9 | 160 | -36.5 | 250 | -34.1 | 340 | -33.2 |
| 80 | -32.1 | 170 | -36.4 | 260 | -33.2 | 350 | -33.4 |

Frequency: 98.00 MHz

Horizontal diagram



0.0° tilt (Total antenna), Gain (dBd): -1.71 ERP T.max (KW): 0.001

Frequency: 98.00 MHz

Horizontal diagram at 0.0° tilt (Total antenna)

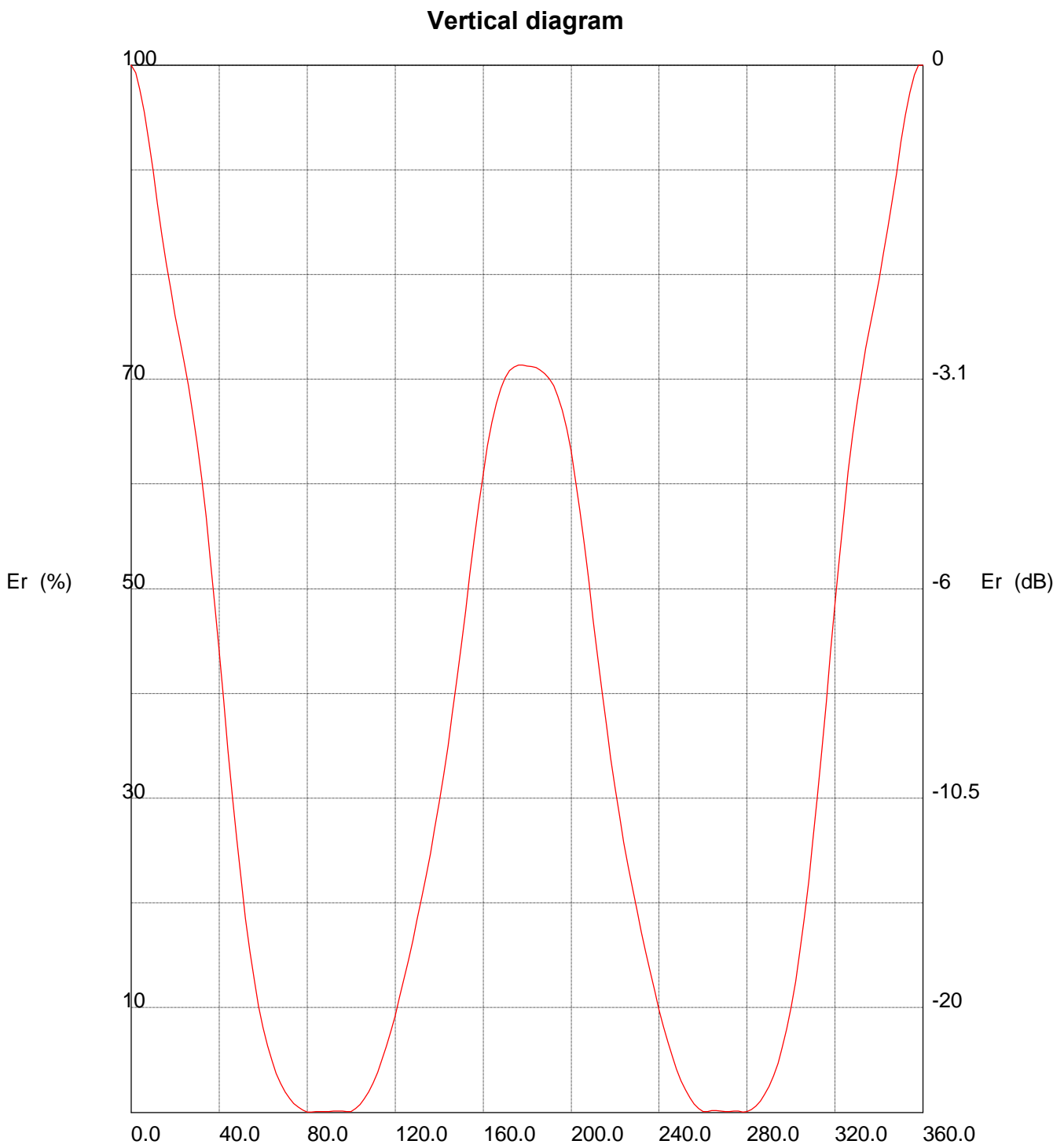
| Az (°) | Er (%) | ERP (W) | Az (°) | Er (%) | ERP (W) | Az (°) | Er (%) | ERP (W) |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| 0.0 | 83.7 | 0.5 | 60.0 | 99.4 | 0.6 | 120.0 | 70.2 | 0.3 |
| 1.0 | 83.7 | 0.5 | 61.0 | 99.5 | 0.6 | 121.0 | 69.5 | 0.3 |
| 2.0 | 83.8 | 0.5 | 62.0 | 99.7 | 0.6 | 122.0 | 68.8 | 0.3 |
| 3.0 | 83.8 | 0.5 | 63.0 | 99.8 | 0.6 | 123.0 | 68.2 | 0.3 |
| 4.0 | 83.8 | 0.5 | 64.0 | 99.9 | 0.6 | 124.0 | 67.6 | 0.3 |
| 5.0 | 83.9 | 0.5 | 65.0 | 99.9 | 0.6 | 125.0 | 67.0 | 0.3 |
| 6.0 | 84.0 | 0.5 | 66.0 | 100.0 | 0.6 | 126.0 | 66.5 | 0.3 |
| 7.0 | 84.1 | 0.5 | 67.0 | 100.0 | 0.6 | 127.0 | 66.0 | 0.3 |
| 8.0 | 84.2 | 0.5 | 68.0 | 100.0 | 0.6 | 128.0 | 65.4 | 0.3 |
| 9.0 | 84.4 | 0.5 | 69.0 | 100.0 | 0.6 | 129.0 | 64.9 | 0.3 |
| 10.0 | 84.5 | 0.5 | 70.0 | 99.9 | 0.6 | 130.0 | 64.5 | 0.3 |
| 11.0 | 84.7 | 0.5 | 71.0 | 99.8 | 0.6 | 131.0 | 64.1 | 0.3 |
| 12.0 | 84.9 | 0.5 | 72.0 | 99.7 | 0.6 | 132.0 | 63.6 | 0.3 |
| 13.0 | 85.1 | 0.5 | 73.0 | 99.5 | 0.6 | 133.0 | 63.2 | 0.3 |
| 14.0 | 85.3 | 0.5 | 74.0 | 99.4 | 0.6 | 134.0 | 62.8 | 0.3 |
| 15.0 | 85.5 | 0.5 | 75.0 | 99.2 | 0.6 | 135.0 | 62.5 | 0.3 |
| 16.0 | 85.7 | 0.5 | 76.0 | 99.1 | 0.6 | 136.0 | 62.2 | 0.2 |
| 17.0 | 86.0 | 0.5 | 77.0 | 98.9 | 0.6 | 137.0 | 61.9 | 0.2 |
| 18.0 | 86.2 | 0.5 | 78.0 | 98.5 | 0.6 | 138.0 | 61.6 | 0.2 |
| 19.0 | 86.5 | 0.5 | 79.0 | 98.3 | 0.6 | 139.0 | 61.3 | 0.2 |
| 20.0 | 86.8 | 0.5 | 80.0 | 97.9 | 0.6 | 140.0 | 61.1 | 0.2 |
| 21.0 | 87.1 | 0.5 | 81.0 | 97.6 | 0.6 | 141.0 | 60.9 | 0.2 |
| 22.0 | 87.4 | 0.5 | 82.0 | 97.3 | 0.6 | 142.0 | 60.6 | 0.2 |
| 23.0 | 87.7 | 0.5 | 83.0 | 96.9 | 0.6 | 143.0 | 60.5 | 0.2 |
| 24.0 | 88.0 | 0.5 | 84.0 | 96.5 | 0.6 | 144.0 | 60.3 | 0.2 |
| 25.0 | 88.3 | 0.5 | 85.0 | 96.1 | 0.6 | 145.0 | 60.2 | 0.2 |
| 26.0 | 88.6 | 0.5 | 86.0 | 95.6 | 0.6 | 146.0 | 60.0 | 0.2 |
| 27.0 | 88.9 | 0.5 | 87.0 | 95.2 | 0.6 | 147.0 | 59.9 | 0.2 |
| 28.0 | 89.3 | 0.5 | 88.0 | 94.6 | 0.6 | 148.0 | 59.8 | 0.2 |
| 29.0 | 89.6 | 0.5 | 89.0 | 94.1 | 0.6 | 149.0 | 59.7 | 0.2 |
| 30.0 | 90.1 | 0.5 | 90.0 | 93.5 | 0.6 | 150.0 | 59.6 | 0.2 |
| 31.0 | 90.4 | 0.5 | 91.0 | 93.0 | 0.6 | 151.0 | 59.5 | 0.2 |
| 32.0 | 90.7 | 0.5 | 92.0 | 92.4 | 0.6 | 152.0 | 59.4 | 0.2 |
| 33.0 | 91.1 | 0.5 | 93.0 | 91.8 | 0.5 | 153.0 | 59.4 | 0.2 |
| 34.0 | 91.4 | 0.5 | 94.0 | 91.1 | 0.5 | 154.0 | 59.3 | 0.2 |
| 35.0 | 91.8 | 0.5 | 95.0 | 90.4 | 0.5 | 155.0 | 59.3 | 0.2 |
| 36.0 | 92.3 | 0.5 | 96.0 | 89.6 | 0.5 | 156.0 | 59.3 | 0.2 |
| 37.0 | 92.6 | 0.6 | 97.0 | 88.9 | 0.5 | 157.0 | 59.3 | 0.2 |
| 38.0 | 93.0 | 0.6 | 98.0 | 88.1 | 0.5 | 158.0 | 59.3 | 0.2 |
| 39.0 | 93.3 | 0.6 | 99.0 | 87.3 | 0.5 | 159.0 | 59.2 | 0.2 |
| 40.0 | 93.6 | 0.6 | 100.0 | 86.4 | 0.5 | 160.0 | 59.2 | 0.2 |
| 41.0 | 94.1 | 0.6 | 101.0 | 85.6 | 0.5 | 161.0 | 59.3 | 0.2 |
| 42.0 | 94.4 | 0.6 | 102.0 | 84.8 | 0.5 | 162.0 | 59.2 | 0.2 |
| 43.0 | 94.7 | 0.6 | 103.0 | 83.9 | 0.5 | 163.0 | 59.3 | 0.2 |
| 44.0 | 95.2 | 0.6 | 104.0 | 83.0 | 0.4 | 164.0 | 59.3 | 0.2 |
| 45.0 | 95.5 | 0.6 | 105.0 | 82.2 | 0.4 | 165.0 | 59.3 | 0.2 |
| 46.0 | 95.8 | 0.6 | 106.0 | 81.3 | 0.4 | 166.0 | 59.3 | 0.2 |
| 47.0 | 96.2 | 0.6 | 107.0 | 80.5 | 0.4 | 167.0 | 59.3 | 0.2 |
| 48.0 | 96.5 | 0.6 | 108.0 | 79.6 | 0.4 | 168.0 | 59.4 | 0.2 |
| 49.0 | 96.8 | 0.6 | 109.0 | 78.8 | 0.4 | 169.0 | 59.4 | 0.2 |
| 50.0 | 97.2 | 0.6 | 110.0 | 77.9 | 0.4 | 170.0 | 59.4 | 0.2 |
| 51.0 | 97.4 | 0.6 | 111.0 | 77.0 | 0.4 | 171.0 | 59.4 | 0.2 |
| 52.0 | 97.7 | 0.6 | 112.0 | 76.2 | 0.4 | 172.0 | 59.4 | 0.2 |
| 53.0 | 97.9 | 0.6 | 113.0 | 75.4 | 0.4 | 173.0 | 59.5 | 0.2 |
| 54.0 | 98.2 | 0.6 | 114.0 | 74.6 | 0.4 | 174.0 | 59.5 | 0.2 |
| 55.0 | 98.5 | 0.6 | 115.0 | 73.8 | 0.4 | 175.0 | 59.5 | 0.2 |
| 56.0 | 98.7 | 0.6 | 116.0 | 73.1 | 0.3 | 176.0 | 59.5 | 0.2 |
| 57.0 | 98.9 | 0.6 | 117.0 | 72.3 | 0.3 | 177.0 | 59.5 | 0.2 |
| 58.0 | 99.1 | 0.6 | 118.0 | 71.5 | 0.3 | 178.0 | 59.5 | 0.2 |
| 59.0 | 99.3 | 0.6 | 119.0 | 70.8 | 0.3 | 179.0 | 59.6 | 0.2 |

Frequency: 98.00 MHz

Horizontal diagram at 0.0° tilt (Total antenna)

| Az (°) | Er (%) | ERP (W) | Az (°) | Er (%) | ERP (W) | Az (°) | Er (%) | ERP (W) |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| 180.0 | 59.6 | 0.2 | 240.0 | 70.7 | 0.3 | 300.0 | 98.5 | 0.6 |
| 181.0 | 59.6 | 0.2 | 241.0 | 71.3 | 0.3 | 301.0 | 98.4 | 0.6 |
| 182.0 | 59.6 | 0.2 | 242.0 | 72.0 | 0.3 | 302.0 | 98.2 | 0.6 |
| 183.0 | 59.6 | 0.2 | 243.0 | 72.7 | 0.3 | 303.0 | 97.9 | 0.6 |
| 184.0 | 59.6 | 0.2 | 244.0 | 73.5 | 0.3 | 304.0 | 97.8 | 0.6 |
| 185.0 | 59.6 | 0.2 | 245.0 | 74.2 | 0.4 | 305.0 | 97.6 | 0.6 |
| 186.0 | 59.6 | 0.2 | 246.0 | 75.0 | 0.4 | 306.0 | 97.3 | 0.6 |
| 187.0 | 59.6 | 0.2 | 247.0 | 75.8 | 0.4 | 307.0 | 97.1 | 0.6 |
| 188.0 | 59.6 | 0.2 | 248.0 | 76.5 | 0.4 | 308.0 | 96.8 | 0.6 |
| 189.0 | 59.6 | 0.2 | 249.0 | 77.4 | 0.4 | 309.0 | 96.5 | 0.6 |
| 190.0 | 59.6 | 0.2 | 250.0 | 78.1 | 0.4 | 310.0 | 96.2 | 0.6 |
| 191.0 | 59.6 | 0.2 | 251.0 | 78.9 | 0.4 | 311.0 | 95.9 | 0.6 |
| 192.0 | 59.6 | 0.2 | 252.0 | 79.8 | 0.4 | 312.0 | 95.6 | 0.6 |
| 193.0 | 59.6 | 0.2 | 253.0 | 80.6 | 0.4 | 313.0 | 95.3 | 0.6 |
| 194.0 | 59.6 | 0.2 | 254.0 | 81.5 | 0.4 | 314.0 | 95.0 | 0.6 |
| 195.0 | 59.6 | 0.2 | 255.0 | 82.2 | 0.4 | 315.0 | 94.6 | 0.6 |
| 196.0 | 59.6 | 0.2 | 256.0 | 83.1 | 0.4 | 316.0 | 94.3 | 0.6 |
| 197.0 | 59.6 | 0.2 | 257.0 | 84.0 | 0.5 | 317.0 | 93.9 | 0.6 |
| 198.0 | 59.6 | 0.2 | 258.0 | 84.8 | 0.5 | 318.0 | 93.5 | 0.6 |
| 199.0 | 59.6 | 0.2 | 259.0 | 85.6 | 0.5 | 319.0 | 93.2 | 0.6 |
| 200.0 | 59.6 | 0.2 | 260.0 | 86.4 | 0.5 | 320.0 | 92.9 | 0.6 |
| 201.0 | 59.6 | 0.2 | 261.0 | 87.2 | 0.5 | 321.0 | 92.5 | 0.6 |
| 202.0 | 59.7 | 0.2 | 262.0 | 88.0 | 0.5 | 322.0 | 92.2 | 0.5 |
| 203.0 | 59.7 | 0.2 | 263.0 | 88.7 | 0.5 | 323.0 | 91.7 | 0.5 |
| 204.0 | 59.7 | 0.2 | 264.0 | 89.4 | 0.5 | 324.0 | 91.4 | 0.5 |
| 205.0 | 59.8 | 0.2 | 265.0 | 90.2 | 0.5 | 325.0 | 91.0 | 0.5 |
| 206.0 | 59.8 | 0.2 | 266.0 | 90.8 | 0.5 | 326.0 | 90.7 | 0.5 |
| 207.0 | 59.9 | 0.2 | 267.0 | 91.4 | 0.5 | 327.0 | 90.4 | 0.5 |
| 208.0 | 60.0 | 0.2 | 268.0 | 92.1 | 0.5 | 328.0 | 89.9 | 0.5 |
| 209.0 | 60.0 | 0.2 | 269.0 | 92.7 | 0.6 | 329.0 | 89.6 | 0.5 |
| 210.0 | 60.1 | 0.2 | 270.0 | 93.2 | 0.6 | 330.0 | 89.3 | 0.5 |
| 211.0 | 60.2 | 0.2 | 271.0 | 93.8 | 0.6 | 331.0 | 88.9 | 0.5 |
| 212.0 | 60.3 | 0.2 | 272.0 | 94.2 | 0.6 | 332.0 | 88.6 | 0.5 |
| 213.0 | 60.5 | 0.2 | 273.0 | 94.7 | 0.6 | 333.0 | 88.3 | 0.5 |
| 214.0 | 60.6 | 0.2 | 274.0 | 95.2 | 0.6 | 334.0 | 88.0 | 0.5 |
| 215.0 | 60.8 | 0.2 | 275.0 | 95.6 | 0.6 | 335.0 | 87.7 | 0.5 |
| 216.0 | 60.9 | 0.2 | 276.0 | 95.9 | 0.6 | 336.0 | 87.4 | 0.5 |
| 217.0 | 61.1 | 0.2 | 277.0 | 96.4 | 0.6 | 337.0 | 87.1 | 0.5 |
| 218.0 | 61.3 | 0.2 | 278.0 | 96.7 | 0.6 | 338.0 | 86.8 | 0.5 |
| 219.0 | 61.5 | 0.2 | 279.0 | 97.1 | 0.6 | 339.0 | 86.5 | 0.5 |
| 220.0 | 61.7 | 0.2 | 280.0 | 97.4 | 0.6 | 340.0 | 86.2 | 0.5 |
| 221.0 | 62.0 | 0.2 | 281.0 | 97.6 | 0.6 | 341.0 | 86.0 | 0.5 |
| 222.0 | 62.3 | 0.2 | 282.0 | 97.9 | 0.6 | 342.0 | 85.7 | 0.5 |
| 223.0 | 62.5 | 0.3 | 283.0 | 98.2 | 0.6 | 343.0 | 85.5 | 0.5 |
| 224.0 | 62.8 | 0.3 | 284.0 | 98.3 | 0.6 | 344.0 | 85.3 | 0.5 |
| 225.0 | 63.2 | 0.3 | 285.0 | 98.5 | 0.6 | 345.0 | 85.1 | 0.5 |
| 226.0 | 63.5 | 0.3 | 286.0 | 98.7 | 0.6 | 346.0 | 84.9 | 0.5 |
| 227.0 | 63.9 | 0.3 | 287.0 | 98.9 | 0.6 | 347.0 | 84.7 | 0.5 |
| 228.0 | 64.3 | 0.3 | 288.0 | 99.0 | 0.6 | 348.0 | 84.5 | 0.5 |
| 229.0 | 64.7 | 0.3 | 289.0 | 99.1 | 0.6 | 349.0 | 84.4 | 0.5 |
| 230.0 | 65.1 | 0.3 | 290.0 | 99.1 | 0.6 | 350.0 | 84.2 | 0.5 |
| 231.0 | 65.6 | 0.3 | 291.0 | 99.2 | 0.6 | 351.0 | 84.1 | 0.5 |
| 232.0 | 66.1 | 0.3 | 292.0 | 99.2 | 0.6 | 352.0 | 84.0 | 0.5 |
| 233.0 | 66.5 | 0.3 | 293.0 | 99.2 | 0.6 | 353.0 | 83.9 | 0.5 |
| 234.0 | 67.1 | 0.3 | 294.0 | 99.1 | 0.6 | 354.0 | 83.8 | 0.5 |
| 235.0 | 67.6 | 0.3 | 295.0 | 99.1 | 0.6 | 355.0 | 83.8 | 0.5 |
| 236.0 | 68.2 | 0.3 | 296.0 | 99.0 | 0.6 | 356.0 | 83.8 | 0.5 |
| 237.0 | 68.8 | 0.3 | 297.0 | 99.0 | 0.6 | 357.0 | 83.7 | 0.5 |
| 238.0 | 69.4 | 0.3 | 298.0 | 98.9 | 0.6 | 358.0 | 83.7 | 0.5 |
| 239.0 | 70.0 | 0.3 | 299.0 | 98.7 | 0.6 | 359.0 | 83.7 | 0.5 |

Frequency: 98.00 MHz



Frequency: 98.00 MHz

Vertical diagram at an azimuth of 0°

| Dep (°) | Er (%) | ERP (W) | Dep (°) | Er (%) | ERP (W) | Dep (°) | Er (%) | ERP (W) |
|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| 0.0 | 100.0 | 0.5 | 120.0 | 9.3 | 0.0 | 240.0 | 9.9 | 0.0 |
| 2.0 | 99.3 | 0.4 | 122.0 | 10.9 | 0.0 | 242.0 | 8.2 | 0.0 |
| 4.0 | 97.7 | 0.4 | 124.0 | 12.7 | 0.0 | 244.0 | 6.7 | 0.0 |
| 6.0 | 95.5 | 0.4 | 126.0 | 14.5 | 0.0 | 246.0 | 5.3 | 0.0 |
| 8.0 | 92.7 | 0.4 | 128.0 | 16.4 | 0.0 | 248.0 | 4.1 | 0.0 |
| 10.0 | 89.8 | 0.4 | 130.0 | 18.4 | 0.0 | 250.0 | 3.0 | 0.0 |
| 12.0 | 86.8 | 0.3 | 132.0 | 20.4 | 0.0 | 252.0 | 2.1 | 0.0 |
| 14.0 | 83.8 | 0.3 | 134.0 | 22.5 | 0.0 | 254.0 | 1.4 | 0.0 |
| 16.0 | 81.0 | 0.3 | 136.0 | 24.7 | 0.0 | 256.0 | 0.8 | 0.0 |
| 18.0 | 78.5 | 0.3 | 138.0 | 27.1 | 0.0 | 258.0 | 0.4 | 0.0 |
| 20.0 | 76.1 | 0.3 | 140.0 | 29.5 | 0.0 | 260.0 | 0.1 | 0.0 |
| 22.0 | 73.9 | 0.2 | 142.0 | 32.2 | 0.0 | 262.0 | 0.1 | 0.0 |
| 24.0 | 71.7 | 0.2 | 144.0 | 35.0 | 0.1 | 264.0 | 0.2 | 0.0 |
| 26.0 | 69.4 | 0.2 | 146.0 | 38.0 | 0.1 | 266.0 | 0.2 | 0.0 |
| 28.0 | 66.9 | 0.2 | 148.0 | 41.2 | 0.1 | 268.0 | 0.1 | 0.0 |
| 30.0 | 63.9 | 0.2 | 150.0 | 44.5 | 0.1 | 270.0 | 0.1 | 0.0 |
| 32.0 | 60.6 | 0.2 | 152.0 | 47.9 | 0.1 | 272.0 | 0.1 | 0.0 |
| 34.0 | 56.9 | 0.1 | 154.0 | 51.4 | 0.1 | 274.0 | 0.1 | 0.0 |
| 36.0 | 52.9 | 0.1 | 156.0 | 54.8 | 0.1 | 276.0 | 0.1 | 0.0 |
| 38.0 | 48.5 | 0.1 | 158.0 | 58.0 | 0.2 | 278.0 | 0.1 | 0.0 |
| 40.0 | 44.0 | 0.1 | 160.0 | 61.0 | 0.2 | 280.0 | 0.1 | 0.0 |
| 42.0 | 39.3 | 0.1 | 162.0 | 63.6 | 0.2 | 282.0 | 0.3 | 0.0 |
| 44.0 | 34.7 | 0.1 | 164.0 | 65.9 | 0.2 | 284.0 | 0.6 | 0.0 |
| 46.0 | 30.2 | 0.0 | 166.0 | 67.7 | 0.2 | 286.0 | 1.1 | 0.0 |
| 48.0 | 26.0 | 0.0 | 168.0 | 69.1 | 0.2 | 288.0 | 1.7 | 0.0 |
| 50.0 | 22.1 | 0.0 | 170.0 | 70.1 | 0.2 | 290.0 | 2.5 | 0.0 |
| 52.0 | 18.5 | 0.0 | 172.0 | 70.8 | 0.2 | 292.0 | 3.5 | 0.0 |
| 54.0 | 15.4 | 0.0 | 174.0 | 71.2 | 0.2 | 294.0 | 4.7 | 0.0 |
| 56.0 | 12.6 | 0.0 | 176.0 | 71.3 | 0.2 | 296.0 | 6.2 | 0.0 |
| 58.0 | 10.2 | 0.0 | 178.0 | 71.3 | 0.2 | 298.0 | 8.0 | 0.0 |
| 60.0 | 8.1 | 0.0 | 180.0 | 71.2 | 0.2 | 300.0 | 10.1 | 0.0 |
| 62.0 | 6.4 | 0.0 | 182.0 | 71.2 | 0.2 | 302.0 | 12.5 | 0.0 |
| 64.0 | 4.9 | 0.0 | 184.0 | 71.1 | 0.2 | 304.0 | 15.3 | 0.0 |
| 66.0 | 3.7 | 0.0 | 186.0 | 70.9 | 0.2 | 306.0 | 18.5 | 0.0 |
| 68.0 | 2.8 | 0.0 | 188.0 | 70.5 | 0.2 | 308.0 | 22.1 | 0.0 |
| 70.0 | 2.0 | 0.0 | 190.0 | 70.1 | 0.2 | 310.0 | 26.0 | 0.0 |
| 72.0 | 1.4 | 0.0 | 192.0 | 69.4 | 0.2 | 312.0 | 30.1 | 0.0 |
| 74.0 | 0.9 | 0.0 | 194.0 | 68.4 | 0.2 | 314.0 | 34.6 | 0.1 |
| 76.0 | 0.5 | 0.0 | 196.0 | 67.0 | 0.2 | 316.0 | 39.2 | 0.1 |
| 78.0 | 0.2 | 0.0 | 198.0 | 65.3 | 0.2 | 318.0 | 43.9 | 0.1 |
| 80.0 | 0.1 | 0.0 | 200.0 | 63.0 | 0.2 | 320.0 | 48.5 | 0.1 |
| 82.0 | 0.0 | 0.0 | 202.0 | 60.4 | 0.2 | 322.0 | 53.0 | 0.1 |
| 84.0 | 0.1 | 0.0 | 204.0 | 57.4 | 0.1 | 324.0 | 57.2 | 0.1 |
| 86.0 | 0.1 | 0.0 | 206.0 | 54.1 | 0.1 | 326.0 | 61.1 | 0.2 |
| 88.0 | 0.1 | 0.0 | 208.0 | 50.6 | 0.1 | 328.0 | 64.6 | 0.2 |
| 90.0 | 0.1 | 0.0 | 210.0 | 47.1 | 0.1 | 330.0 | 67.7 | 0.2 |
| 92.0 | 0.1 | 0.0 | 212.0 | 43.6 | 0.1 | 332.0 | 70.5 | 0.2 |
| 94.0 | 0.2 | 0.0 | 214.0 | 40.2 | 0.1 | 334.0 | 73.0 | 0.2 |
| 96.0 | 0.1 | 0.0 | 216.0 | 36.9 | 0.1 | 336.0 | 75.2 | 0.3 |
| 98.0 | 0.1 | 0.0 | 218.0 | 33.8 | 0.1 | 338.0 | 77.3 | 0.3 |
| 100.0 | 0.1 | 0.0 | 220.0 | 30.9 | 0.0 | 340.0 | 79.6 | 0.3 |
| 102.0 | 0.4 | 0.0 | 222.0 | 28.3 | 0.0 | 342.0 | 81.9 | 0.3 |
| 104.0 | 0.8 | 0.0 | 224.0 | 25.8 | 0.0 | 344.0 | 84.4 | 0.3 |
| 106.0 | 1.3 | 0.0 | 226.0 | 23.5 | 0.0 | 346.0 | 87.1 | 0.3 |
| 108.0 | 2.0 | 0.0 | 228.0 | 21.3 | 0.0 | 348.0 | 89.8 | 0.4 |
| 110.0 | 2.8 | 0.0 | 230.0 | 19.2 | 0.0 | 350.0 | 92.6 | 0.4 |
| 112.0 | 3.8 | 0.0 | 232.0 | 17.2 | 0.0 | 352.0 | 95.2 | 0.4 |
| 114.0 | 5.0 | 0.0 | 234.0 | 15.3 | 0.0 | 354.0 | 97.4 | 0.4 |
| 116.0 | 6.3 | 0.0 | 236.0 | 13.4 | 0.0 | 356.0 | 99.0 | 0.4 |
| 118.0 | 7.7 | 0.0 | 238.0 | 11.6 | 0.0 | 358.0 | 100.0 | 0.5 |