

## Exhibit 13

**FMX LLC**  
PO Box 2112  
Easley SC 29641

### Channel Spacing Report for Channel 299 Berea, SC

ComStudy 2.2 search of channel 299 (107.7 MHz Class D)  
at 34-56-05.0 N, 82-24-16.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
W299BO	PICKENS	SC	299	D	23.66	0.00	260.4	-25.11 dB*a
WJMZ-FM	ANDERSON	SC	297	C0	31.69	0.00	215.4	-19.20 dB*b
WJMZ-FM	ANDERSON	SC	297	C0	34.15	0.00	159.0	-18.33 dB*b
WJMZ-FM	ANDERSON	SC	297	C0	31.69	0.00	215.4	-8.84 dB*b
W299BK	ANDERSON	SC	299	D	51.47	0.00	210.6	0.80 dB
W245CH	TRAVELERS REST	SC	245	D	0.97	0.00	319.5	1.0
NEW	GREENVILLE	SC	299	LP100	16.74	24.00	149.1	0.35 dB
W299BZ	HENDERSONVILLE	NC	299	D	44.91	0.00	354.3	0.87 dB
W299BZ	HENDERSONVILLE	NC	299	D	45.36	0.00	350.9	0.05 dB
W299BK	ANDERSON	SC	299	D	55.63	0.00	202.2	1.91 dB
WIVK-FM	KNOXVILLE	TN	299	C	150.58	0.00	310.7	4.73 dB
WXRU-LP	PIEDMONT	SC	300	LP100	23.81	13.00	194.6	5.29 dB
WLNK	CHARLOTTE	NC	300	C	120.74	0.00	66.3	6.04 dB
WFBS-LP	SALEM	SC	300	LP100	48.63	13.00	258.0	8.88 dB
WLNK	CHARLOTTE	NC	300	C	120.74	0.00	66.3	9.98 dB
W299AT	CORNELIA	GA	299	D	112.26	0.00	244.9	12.31 dB
WIVK-FM	KNOXVILLE	TN	299	C	150.58	0.00	310.7	14.47 dB
W299AT	CORNELIA	GA	299	D	110.96	0.00	248.3	15.68 dB
WLNK	CHARLOTTE	NC	300	C	124.19	0.00	70.7	20.57 dB

\*Current CP for this Facility.

\*\* See attached Waiver Request showing Protection of WJMZ-FM

## **WAIVER REQUEST, SECTION 74.1204**

The proposed FM translator is located within the protected 60dbu contour of station, WJMJ-FM Licensed site on second adjacent channel 297, Anderson, SC. The predicted F (50-50) field strength of WJMJ- FM at the proposed translator site is 78 dbu or greater for the current licensed site and the CP site. Therefore, the respective interfering contour generated by the proposed FM Translator site is 118 dbu and extends less than 88 meters from the transmit antenna in the horizontal plane and shorter distances at angles below the horizon.

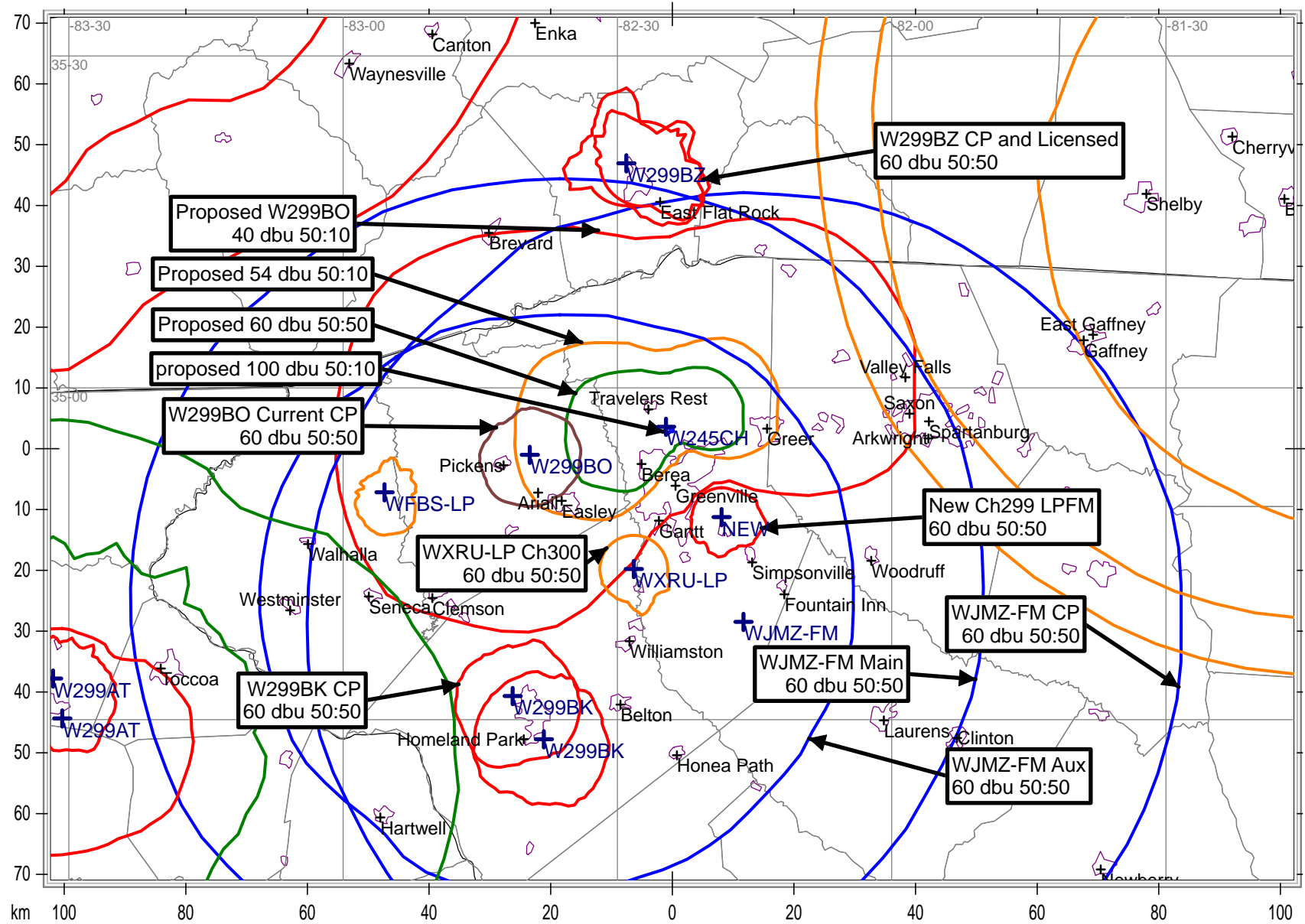
FMX LLC plans to use a 1 bay Scala CL-FM V-pol log directional antenna mounted 40 meters above ground level. See the attached spreadsheet showing the expected signal level at the safety plane 6 meters above ground. The maximum signal level at any possible receiver location is 116.4 dbu, 1.6 db below the 118 dbu threshold for predictive interference.

The area surrounding the proposed translator site is a mountain ridge that is wooded. There is only one home within 100 meters of the tower site and it has a ground elevation lower than the tower. See the attached aerial photo and Topo map included to show the nature of the buildings in the area. The interfering contour does not reach the ground or any likely receiver location.

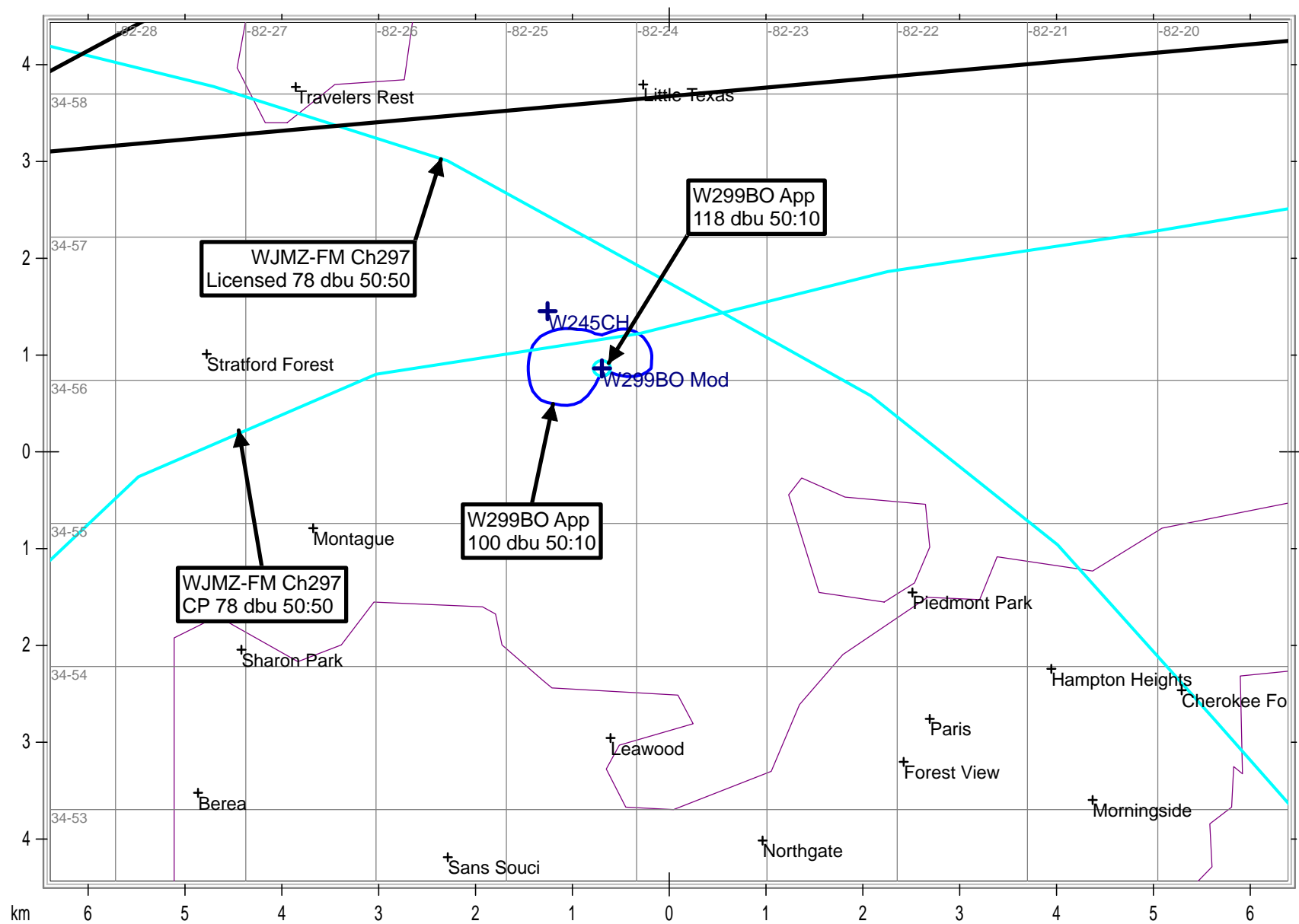
Therefore, FMX LLC respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

Should any actual interference occur, then FMX LLC will promptly reduce power or suspend operation of this translator in accordance with 47 C.F.R. 74.1203.

# W299BO CP Minor Mod Contours



W299BO 118 dbu vs WJMZ-FM 78 dbu



## FMX LLC

FMX proposes to use a single bay Scala CL-FM v-pol RM directional antenna arrays to reduce signal levels on ground near the tower. This work sheet shows expected signal levels on the ground and at a safety plane 6 meters AGL. Distances and signal levels are computed for every 5 degrees below horizontal at antenna center of radiation. This safety plane is based on the highest likely receiver elevation AGL. Distance from Antenna is also computed to the intercept of the safety plane or ground level and a line from the antenna center of radiation.

**0.099 Kilowatts ERP**

**Antenna Make:** Scala

**40 Meters AGL to Radiation Center**

**Antenna Model:** CL-FM Ver Pol

**6 Meters AGL of Highest Receiver ( Safety Plane)**

**118 dbu Interfering contour**

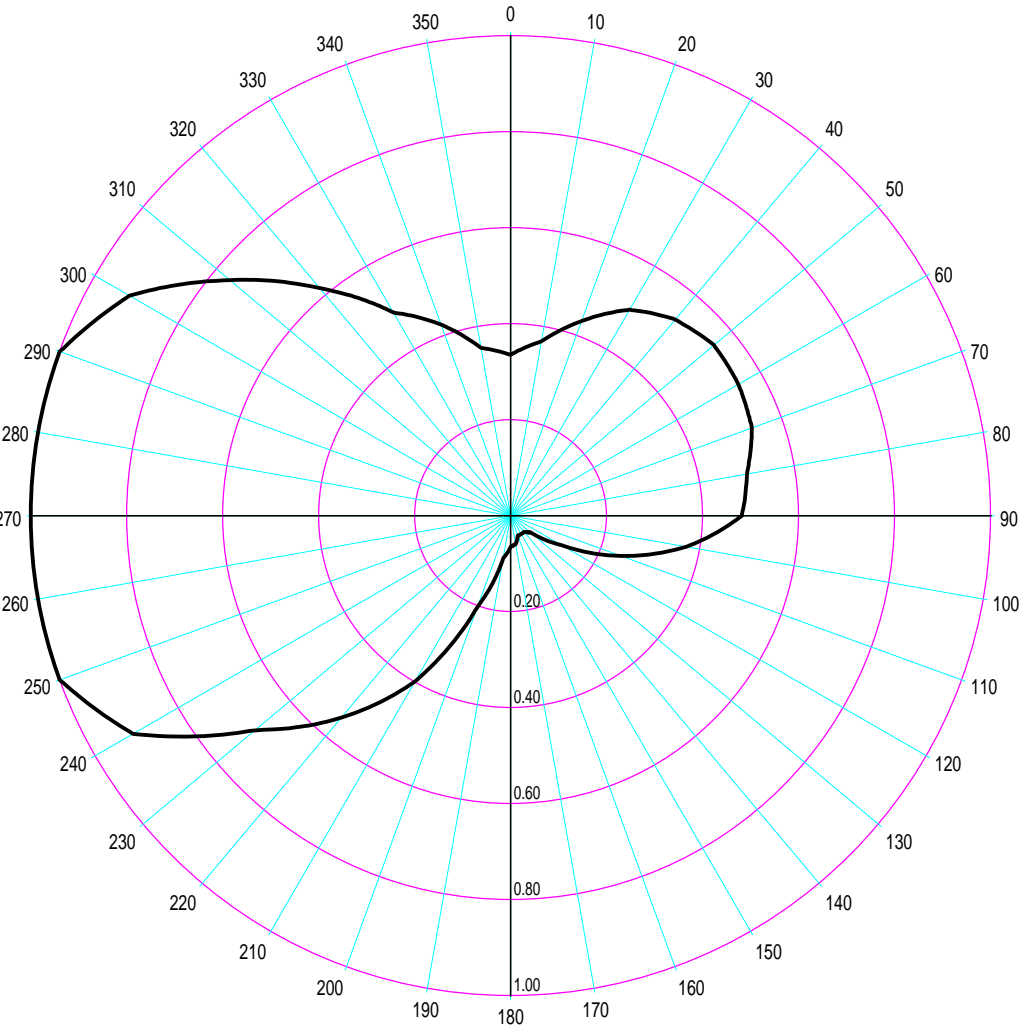
Angle Below Horizontal	Antenna Rel. Field	ERP Kwatts	ERP DbK	Distance from Antenna to Interfering	Dist.From Ant. to Safety Plane	Field Strength In dbu at Safety Plane	Dist.From Ant. to Ground Level	Field Strength In Dbu at Ground Level
0	1.000	0.0990	-10.04	88 m	INF m		INF	
5	0.980	0.0951	-10.22	86 m	390.1 m	<b>104.9 dbu</b>	458.9 m	103.5 dbu
10	0.950	0.0893	-10.49	83 m	195.8 m	<b>110.6 dbu</b>	230.4 m	109.2 dbu
15	0.895	0.0793	-11.01	79 m	131.4 m	<b>113.5 dbu</b>	154.5 m	112.1 dbu
20	0.820	0.0666	-11.77	72 m	99.4 m	<b>115.2 dbu</b>	117.0 m	113.8 dbu
25	0.735	0.0535	-12.72	65 m	80.5 m	<b>116.1 dbu</b>	94.6 m	114.7 dbu
30	0.645	0.0412	-13.85	57 m	68.0 m	<b>116.4 dbu</b>	80.0 m	115.0 dbu
35	0.562	0.0313	-15.05	49 m	59.3 m	<b>116.4 dbu</b>	69.7 m	115.0 dbu
40	0.470	0.0219	-16.60	41 m	52.9 m	<b>115.9 dbu</b>	62.2 m	114.4 dbu
45	0.360	0.0128	-18.92	32 m	48.1 m	<b>114.4 dbu</b>	56.6 m	113.0 dbu
50	0.250	0.0062	-22.08	22 m	44.4 m	<b>111.9 dbu</b>	52.2 m	110.5 dbu
55	0.155	0.0024	-26.24	14 m	41.5 m	<b>108.3 dbu</b>	48.8 m	106.9 dbu
60	0.085	0.0007	-31.46	7 m	39.3 m	<b>103.6 dbu</b>	46.2 m	102.2 dbu
65	0.045	0.0002	-36.98	4 m	37.5 m	<b>98.5 dbu</b>	44.1 m	97.0 dbu
70	0.020	0.0000	-44.02	2 m	36.2 m	<b>91.7 dbu</b>	42.6 m	90.3 dbu
75	0.010	0.0000	-50.04	1 m	35.2 m	<b>85.9 dbu</b>	41.4 m	84.5 dbu
80	0.010	0.0000	-50.04	1 m	34.5 m	<b>86.1 dbu</b>	40.6 m	84.7 dbu
85	0.010	0.0000	-50.04	1 m	34.1 m	<b>86.2 dbu</b>	40.2 m	84.8 dbu
90	0.010	0.0000	-50.04	1 m	34.0 m	<b>86.2 dbu</b>	40.0 m	84.8 dbu

Formulas used

Distance to Contour =

Field Strength=

$$(10^{((106.92 - [\text{desiredDbu}] + [\text{ERPInDbK}]) / 20)) * 1000} / 106.92 - (20 * (\text{LOG}([\text{DistKm}] / 1000))) + ([\text{ERPInDbK}])$$



Azim	Rel.FS	ERP [W]	dBk
0.0	0.336	11.177	-19.517
5.0	0.352	12.266	-19.113
10.0	0.369	13.480	-18.703
15.0	0.400	15.840	-18.002
20.0	0.432	18.476	-17.334
25.0	0.464	21.314	-16.713
30.0	0.496	24.356	-16.134
35.0	0.515	26.257	-15.808
40.0	0.534	28.230	-15.493
45.0	0.543	29.190	-15.348
50.0	0.553	30.275	-15.189
55.0	0.550	29.948	-15.236
60.0	0.548	29.730	-15.268
65.0	0.541	28.975	-15.380
70.0	0.535	28.336	-15.477
75.0	0.517	26.462	-15.774
80.0	0.500	24.750	-16.064
85.0	0.491	23.867	-16.222
90.0	0.482	23.000	-16.383
95.0	0.427	18.051	-17.435
100.0	0.372	13.700	-18.633
105.0	0.308	9.392	-20.273
110.0	0.245	5.942	-22.260
115.0	0.184	3.352	-24.747
120.0	0.123	1.498	-28.246
125.0	0.088	0.767	-31.154
130.0	0.054	0.289	-35.396
135.0	0.049	0.238	-36.240
140.0	0.044	0.192	-37.175
145.0	0.044	0.192	-37.175
150.0	0.044	0.192	-37.175
155.0	0.044	0.192	-37.175
160.0	0.044	0.192	-37.175
165.0	0.052	0.268	-35.724
170.0	0.060	0.356	-34.481
175.0	0.062	0.381	-34.196
180.0	0.065	0.418	-33.785

Azim	Rel.FS	ERP [W]	dBk
185.0	0.077	0.587	-32.314
190.0	0.090	0.802	-30.959
195.0	0.146	2.110	-26.757
200.0	0.202	4.040	-23.937
205.0	0.300	8.910	-20.501
210.0	0.399	15.761	-18.024
215.0	0.474	22.243	-16.528
220.0	0.550	29.948	-15.236
225.0	0.622	38.302	-14.168
230.0	0.695	47.819	-13.204
235.0	0.802	63.677	-11.960
240.0	0.909	81.802	-10.872
245.0	0.954	90.101	-10.453
250.0	1.000	99.000	-10.044
255.0	1.000	99.000	-10.044
260.0	1.000	99.000	-10.044
265.0	1.000	99.000	-10.044
270.0	1.000	99.000	-10.044
275.0	1.000	99.000	-10.044
280.0	1.000	99.000	-10.044
285.0	1.000	99.000	-10.044
290.0	1.000	99.000	-10.044
295.0	0.958	90.859	-10.416
300.0	0.917	83.248	-10.796
305.0	0.840	69.854	-11.558
310.0	0.764	57.786	-12.382
315.0	0.691	47.271	-13.254
320.0	0.619	37.933	-14.210
325.0	0.554	30.385	-15.173
330.0	0.489	23.673	-16.257
335.0	0.456	20.586	-16.864
340.0	0.424	17.798	-17.496
345.0	0.389	14.981	-18.245
350.0	0.355	12.476	-19.039
355.0	0.345	11.783	-19.287