

APPLICATION FOR LICENSE  
MAIN ANTENNA  
STATIONS WFYV-FM/WXXJ(FM)/WJGL(FM)  
JACKSONVILLE, FLORIDA

Technical Exhibit

This Technical Report was prepared on behalf of stations WFYV-FM, WXXJ(FM) and WJGL(FM) in Jacksonville, Florida. These stations replaced their combined main transmitting antenna with a Dielectric HDCBR-03-8FMB/24-2-T panel antenna. This technical exhibit supports the applications seeking to license these new main facilities (Form 302) by providing an analysis of the ground level radiofrequency exposure study and the intermodulation measurements.

Intermodulation Measurement

Appendix A contains the intermodulation analysis report.

Radiofrequency Electromagnetic Field Exposure Analysis

The facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, *Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields*.<sup>1</sup> The power density at the base of the tower was calculated using the appropriate procedure contained in Section 2, Supplement A, *Additional Information for Radio and Television Broadcast Stations*, of the Bulletin.

For the calculation for each station, a combined horizontal and vertical polarized ERP of 200 kilowatts is employed with a radiation center of 306 meters (1005 feet) above ground level. A downward relative field value of 0.25 was assumed, as that value is well below the greatest relative field for depression angles greater than 20°. See Appendix B for the installed Dielectric transmitting antenna vertical plane specifications. It is therefore calculated that the power density will not exceed 0.005 mW/cm<sup>2</sup> at ground level for each station. This is less than five percent of the Commission's guideline value for an uncontrolled environment for a FM radio station.<sup>2</sup> Therefore, the cumulative downward radiation for these 3 FM stations will be less than 15% of the Commission's uncontrolled environment standard.

This is one other high-powered emitter co-located on the tower, WCRJ(FM) on 88.1 MHz on Channel 201C3. For the calculation for WCRJ(FM), a combined horizontal and vertical polarized ERP of 16 kilowatts is employed with a radiation center of 147 meters (480 feet) above ground level. A "worst-case" downward relative field value of 1.0 was assumed. It is therefore calculated that the power density will not exceed 0.025 mW/cm<sup>2</sup> at ground level for each station. This is less than 15 percent of the Commission's guideline value for an uncontrolled environment for a FM radio station

Therefore, the cumulative downward radiation for these 4 FM stations will be less than 30% of the Commission's uncontrolled environment standard.

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<sup>1</sup> OET Bulletin 65, Second Edition 97-01, August, 1997.

<sup>2</sup> The FCC maximum guideline for a FM broadcast station in an uncontrolled environment is 0.2 mW/cm<sup>2</sup>.

Access to the transmitting site is restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis should have been completed by the tower owner.

Charles A. Cooper

January 15, 2013

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 34237  
941.329.6000

## **APPENDIX A**

### INTERMODULATION MEASUREMENTS

**COX MEDIA GROUP**  
**JACKSONVILLE, FL**  
**SPURIOUS EMISSIONS REPORT**

**INTRODUCTION**

This report covers measurements made on the new SPX Communications Technology FM antenna system to show compliance with FCC C. F. R. Sections 73.317 (b) through (d).

All possible intermod products through fifth order were calculated and are attached to this report this report.

**MEASUREMENTS**

Measurements were made with an Agilent Technologies E4411B spectrum analyzer. The instrument is calibrated annually A copy of the Certificate is available by request to this office.

Measurements were made through the range of 10 MHz to 470 MHz. Each calculated possible product was checked. No spurious products were found. Five typical measurements are attached to this report.

The system meets all the requirements of FCC 47 C. F, R, Sections 73.317 (b) through 73.317 (d).

Dean W. Sargent

## INTERMOD CALCULATIONS

COX MEDIA GROUP

JACKSONVILLE, FL

Job number: 144 W 102

Calculated 11:31:29 AM Monday, Jan 7 2013

Spurious Emissions up to order 5

All frequencies are in MHz

### # XMIT Frequencies

1	96.900
2	102.900
3	104.500

### RECEIVE

#	Frequency	Bandwidth
1	240.000	460.000

Order	Spur	Components
2	193.800	+2F1
2	199.800	+1F1 +1F2
2	201.400	+1F1 +1F3
2	205.800	+2F2
2	207.400	+1F2 +1F3
2	209.000	+2F3
3	89.300	+2F1 -1F3
3	90.900	+2F1 -1F2
3	95.300	+1F1 +1F2 -1F3
3	98.500	+1F1 -1F2 +1F3
3	101.300	+2F2 -1F3
3	106.100	-1F2 +2F3
3	108.900	-1F1 +2F2
3	110.500	-1F1 +1F2 +1F3
3	112.100	-1F1 +2F3
3	290.700	+3F1
3	296.700	+2F1 +1F2
3	298.300	+2F1 +1F3
3	302.700	+1F1 +2F2
3	304.300	+1F1 +1F2 +1F3
3	305.900	+1F1 +2F3
3	308.700	+3F2
3	310.300	+2F2 +1F3
3	311.900	+1F2 +2F3
3	313.500	+3F3
4	12.000	-2F1 +2F2
4	13.600	-2F1 +1F2 +1F3
4	15.200	-2F1 +2F3
4	186.200	+3F1 -1F3
4	187.800	+3F1 -1F2
4	192.200	+2F1 +1F2 -1F3
4	195.400	+2F1 -1F2 +1F3
4	198.200	+1F1 +2F2 -1F3
4	203.000	+1F1 -1F2 +2F3
4	204.200	+3F2 -1F3

Order	Spur	Components
4	210.600	-1F2 +3F3
4	211.800	-1F1 +3F2
4	213.400	-1F1 +2F2 +1F3
4	215.000	-1F1 +1F2 +2F3
4	216.600	-1F1 +3F3
4	387.600	+4F1
4	393.600	+3F1 +1F2
4	395.200	+3F1 +1F3
4	399.600	+2F1 +2F2
4	401.200	+2F1 +1F2 +1F3
4	402.800	+2F1 +2F3
4	405.600	+1F1 +3F2
4	407.200	+1F1 +2F2 +1F3
4	408.800	+1F1 +1F2 +2F3
4	410.400	+1F1 +3F3
4	411.600	+4F2
4	413.200	+3F2 +1F3
4	414.800	+2F2 +2F3
4	416.400	+1F2 +3F3
4	418.000	+4F3
5	81.700	+3F1 -2F3
5	83.300	+3F1 -1F2 -1F3
5	84.900	+3F1 -2F2
5	87.700	+2F1 +1F2 -2F3
5	92.500	+2F1 -2F2 +1F3
5	93.700	+1F1 +2F2 -2F3
5	99.700	+3F2 -2F3
5	100.100	+1F1 -2F2 +2F3
5	107.300	-1F1 +3F2 -1F3
5	107.700	-2F2 +3F3
5	113.700	-1F1 -1F2 +3F3
5	114.900	-2F1 +3F2
5	116.500	-2F1 +2F2 +1F3
5	118.100	-2F1 +1F2 +2F3
5	119.700	-2F1 +3F3



Order	Spur	Components
5	283.100	+4F1 -1F3
5	284.700	+4F1 -1F2
5	289.100	+3F1 +1F2 -1F3
5	292.300	+3F1 -1F2 +1F3
5	295.100	+2F1 +2F2 -1F3
5	299.900	+2F1 -1F2 +2F3
5	301.100	+1F1 +3F2 -1F3
5	307.100	+4F2 -1F3
5	307.500	+1F1 -1F2 +3F3
5	314.700	-1F1 +4F2
5	315.100	-1F2 +4F3
5	316.300	-1F1 +3F2 +1F3
5	317.900	-1F1 +2F2 +2F3
5	319.500	-1F1 +1F2 +3F3
5	321.100	-1F1 +4F3

[illegible]

## **APPENDIX B**

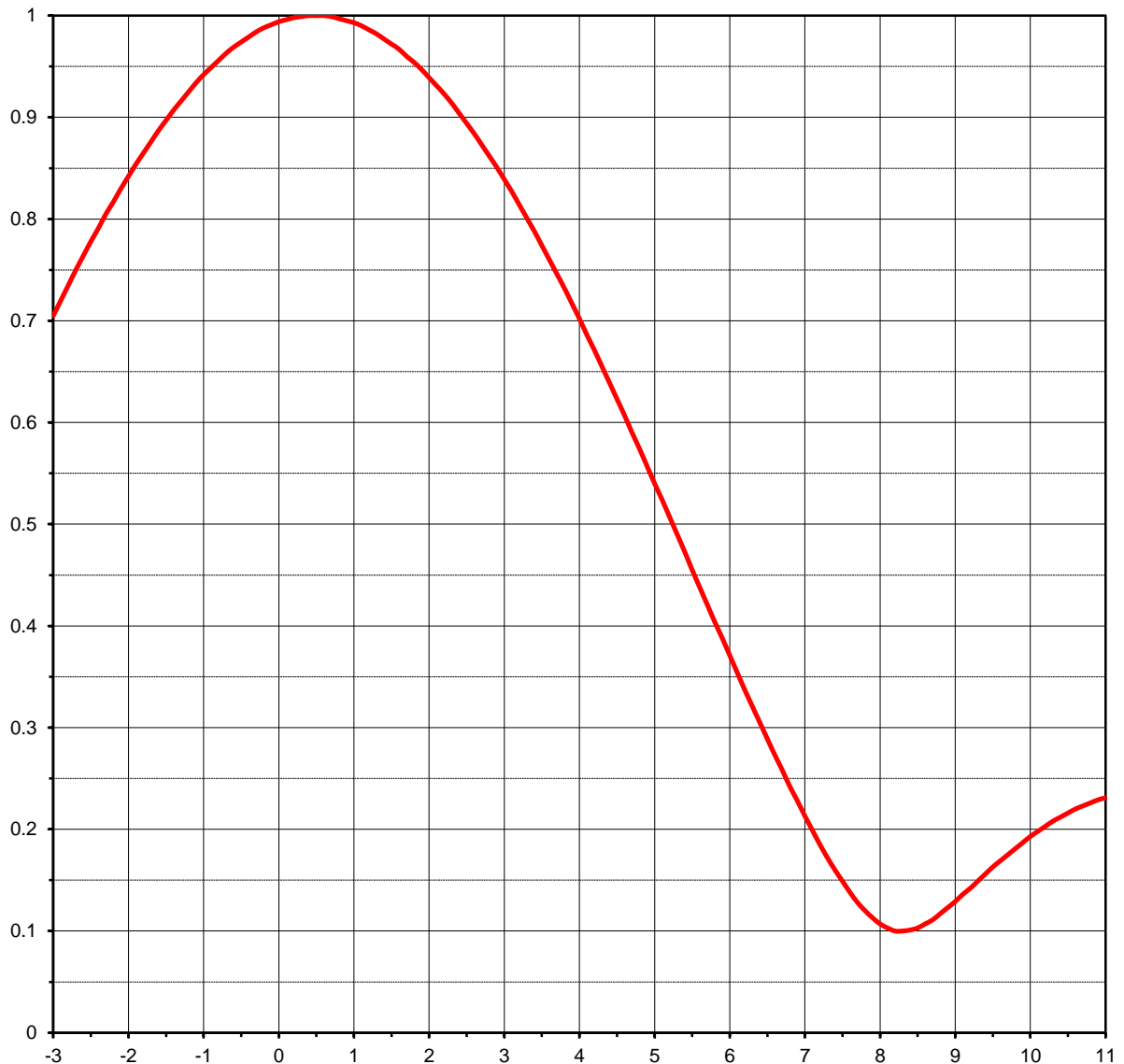
### MANUFACTURER PROVIDED TRANSMITTING ANTENNA VERTICAL PLANE SPECIFICATIONS



Proposal Number	<b>C-02683-3</b>	Revision:	<b>3</b>
Date	<b>28-Oct-11</b>		
Call Letters	<b>WFYV</b>		
Location	<b>Jacksonville, FL</b>		
Customer	<b>Cox Radio</b>		
Antenna Type	<b>HDCBR-O3-8FMB/24-2-T</b>		

## ELEVATION PATTERN

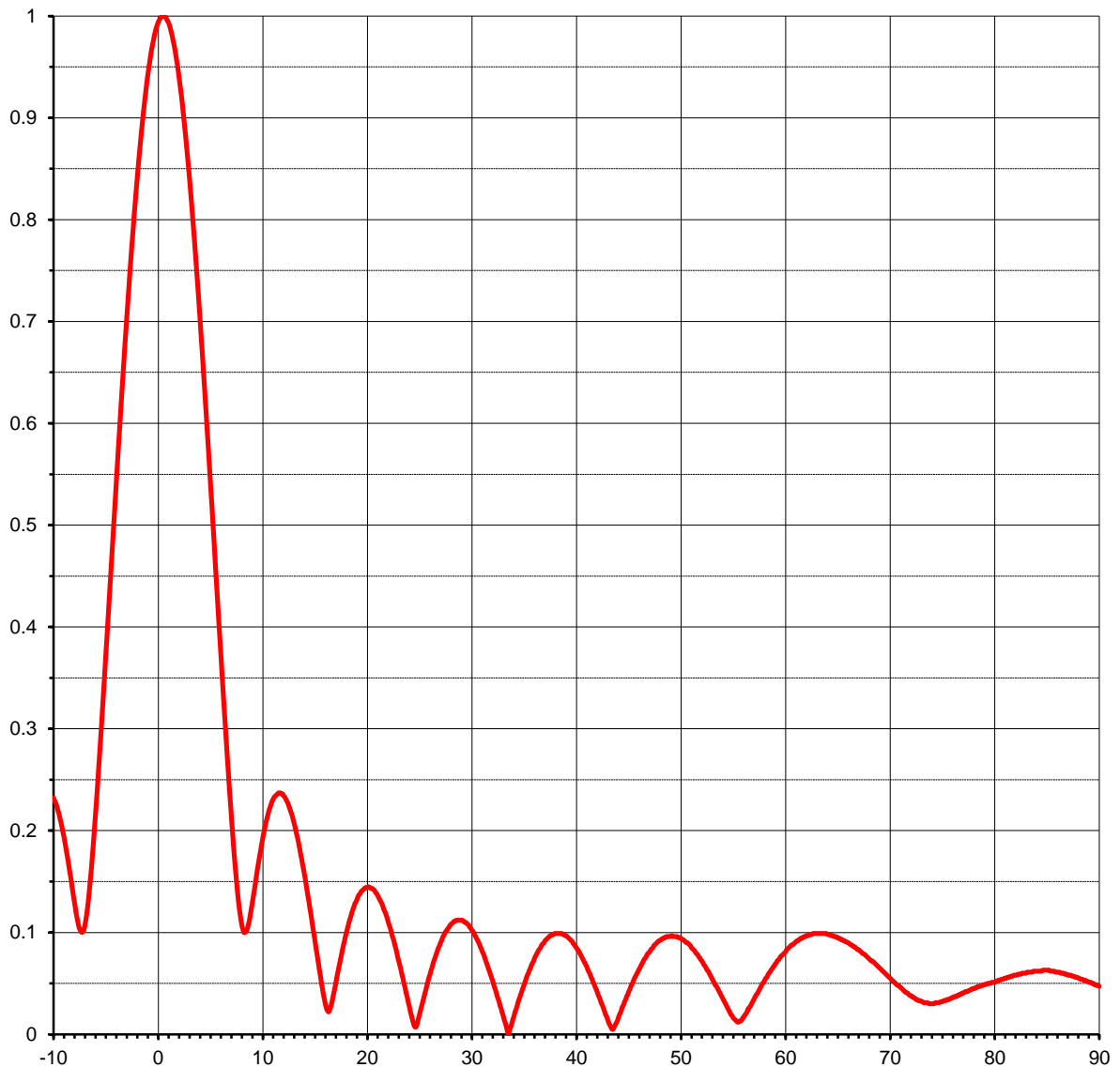
RMS Gain at Main Lobe	<b>3.90 ( 5.91 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.85 ( 5.85 dB )</b>	Frequency	<b>104.50 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>08C078050</b>



Degrees Below Horizontal

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>3.90</b>	<b>( 5.91 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.85</b>	<b>( 5.85 dB )</b>	Frequency	<b>104.50 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>08C078050-90</b>



Degrees Below Horizontal



Proposal Number **C-02683-3**      Revision: **3**  
 Date **28-Oct-11**  
 Call Letters **WFYV**  
 Location **Jacksonville, FL**  
 Customer **Cox Radio**  
 Antenna Type **HDCBR-O3-8FMB/24-2-T**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **08C078050-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.232	2.4	0.904	10.6	0.216	30.5	0.095	51.0	0.087	71.5	0.041
-9.5	0.217	2.6	0.884	10.8	0.223	31.0	0.084	51.5	0.080	72.0	0.038
-9.0	0.193	2.8	0.862	11.0	0.229	31.5	0.070	52.0	0.073	72.5	0.034
-8.5	0.162	3.0	0.839	11.5	0.236	32.0	0.055	52.5	0.065	73.0	0.032
-8.0	0.129	3.2	0.814	12.0	0.236	32.5	0.038	53.0	0.056	73.5	0.031
-7.5	0.103	3.4	0.788	12.5	0.227	33.0	0.021	53.5	0.047	74.0	0.030
-7.0	0.108	3.6	0.760	13.0	0.211	33.5	0.003	54.0	0.037	74.5	0.031
-6.5	0.151	3.8	0.732	13.5	0.189	34.0	0.014	54.5	0.027	75.0	0.032
-6.0	0.216	4.0	0.702	14.0	0.162	34.5	0.031	55.0	0.018	75.5	0.034
-5.5	0.292	4.2	0.671	14.5	0.131	35.0	0.046	55.5	0.012	76.0	0.036
-5.0	0.375	4.4	0.639	15.0	0.098	35.5	0.060	56.0	0.016	76.5	0.038
-4.5	0.459	4.6	0.607	15.5	0.064	36.0	0.072	56.5	0.024	77.0	0.041
-4.0	0.544	4.8	0.574	16.0	0.034	36.5	0.083	57.0	0.033	77.5	0.043
-3.5	0.627	5.0	0.540	16.5	0.024	37.0	0.090	57.5	0.042	78.0	0.045
-3.0	0.705	5.2	0.507	17.0	0.046	37.5	0.096	58.0	0.051	78.5	0.047
-2.8	0.735	5.4	0.473	17.5	0.072	38.0	0.099	58.5	0.060	79.0	0.049
-2.6	0.764	5.6	0.438	18.0	0.096	38.5	0.099	59.0	0.067	79.5	0.050
-2.4	0.791	5.8	0.404	18.5	0.115	39.0	0.097	59.5	0.074	80.0	0.051
-2.2	0.817	6.0	0.371	19.0	0.130	39.5	0.093	60.0	0.080	80.5	0.053
-2.0	0.842	6.2	0.337	19.5	0.140	40.0	0.086	60.5	0.086	81.0	0.055
-1.8	0.865	6.4	0.305	20.0	0.144	40.5	0.078	61.0	0.090	81.5	0.057
-1.6	0.887	6.6	0.273	20.5	0.143	41.0	0.068	61.5	0.094	82.0	0.058
-1.4	0.907	6.8	0.242	21.0	0.138	41.5	0.056	62.0	0.096	82.5	0.059
-1.2	0.925	7.0	0.213	21.5	0.128	42.0	0.044	62.5	0.098	83.0	0.060
-1.0	0.942	7.2	0.185	22.0	0.114	42.5	0.030	63.0	0.099	83.5	0.061
-0.8	0.956	7.4	0.160	22.5	0.096	43.0	0.017	63.5	0.099	84.0	0.062
-0.6	0.969	7.6	0.138	23.0	0.076	43.5	0.005	64.0	0.099	84.5	0.062
-0.4	0.979	7.8	0.120	23.5	0.055	44.0	0.013	64.5	0.097	85.0	0.063
-0.2	0.988	8.0	0.107	24.0	0.032	44.5	0.027	65.0	0.095	85.5	0.062
0.0	0.994	8.2	0.100	24.5	0.011	45.0	0.039	65.5	0.092	86.0	0.061
0.2	0.998	8.4	0.101	25.0	0.016	45.5	0.051	66.0	0.090	86.5	0.060
0.4	1.000	8.6	0.107	25.5	0.036	46.0	0.062	66.5	0.086	87.0	0.058
0.6	1.000	8.8	0.117	26.0	0.056	46.5	0.072	67.0	0.083	87.5	0.057
0.8	0.997	9.0	0.129	26.5	0.073	47.0	0.080	67.5	0.079	88.0	0.055
1.0	0.993	9.2	0.142	27.0	0.087	47.5	0.087	68.0	0.074	88.5	0.053
1.2	0.986	9.4	0.156	27.5	0.099	48.0	0.092	68.5	0.070	89.0	0.051
1.4	0.977	9.6	0.169	28.0	0.107	48.5	0.095	69.0	0.065	89.5	0.049
1.6	0.967	9.8	0.175	28.5	0.111	49.0	0.096	69.5	0.060	90.0	0.047
1.8	0.954	10.0	0.187	29.0	0.112	49.5	0.096	70.0	0.055		
2.0	0.939	10.2	0.198	29.5	0.110	50.0	0.095	70.5	0.050		
2.2	0.923	10.4	0.208	30.0	0.104	50.5	0.091	71.0	0.046		

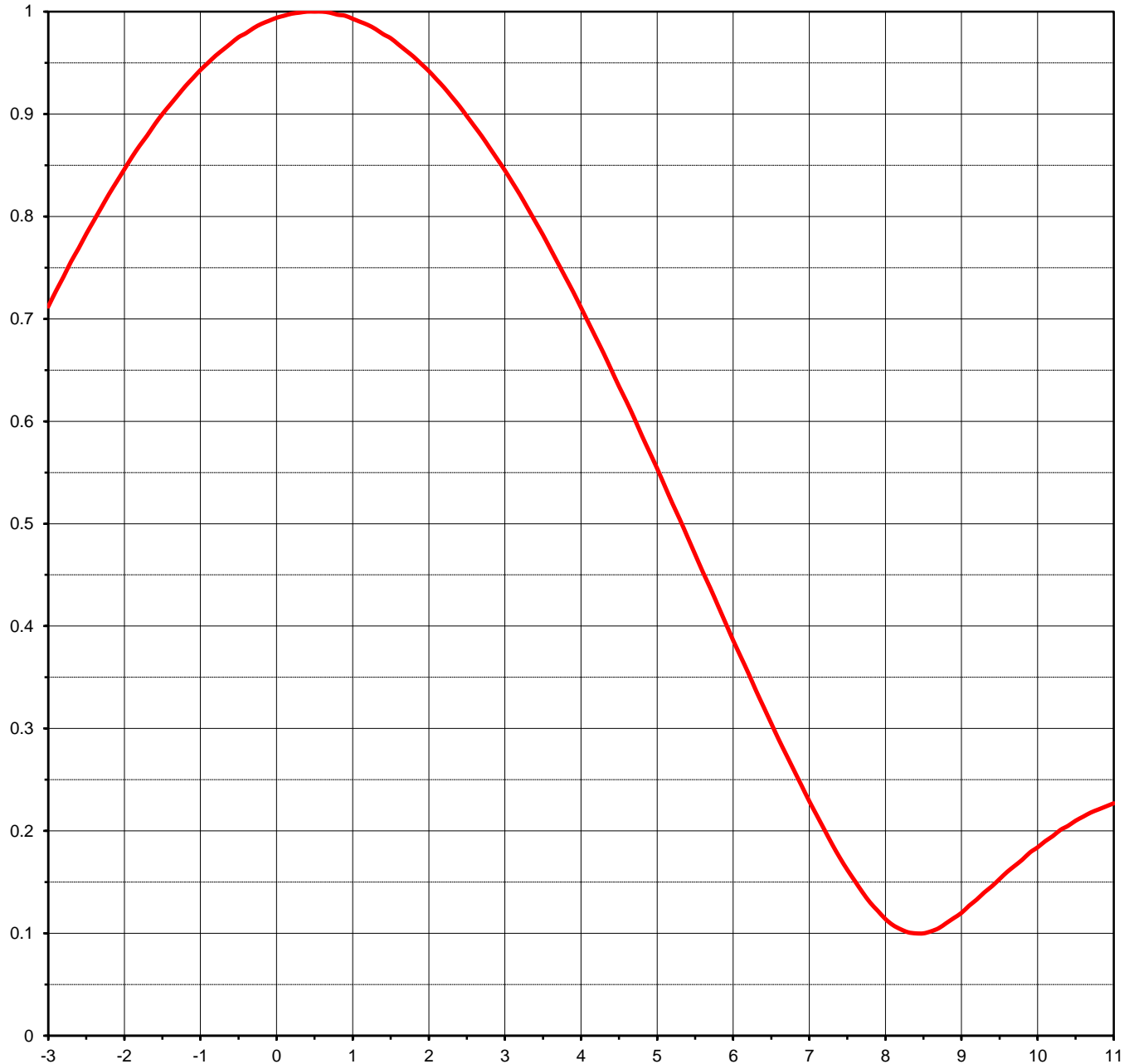
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Proposal Number	<b>C-02683-3</b>	Revision:	<b>3</b>
Date	<b>28-Oct-11</b>		
Call Letters	<b>WMXQ</b>		
Location	<b>Jacksonville, FL</b>		
Customer	<b>Cox Radio</b>		
Antenna Type	<b>HDCBR-O3-8FMB/24-2-T</b>		

## ELEVATION PATTERN

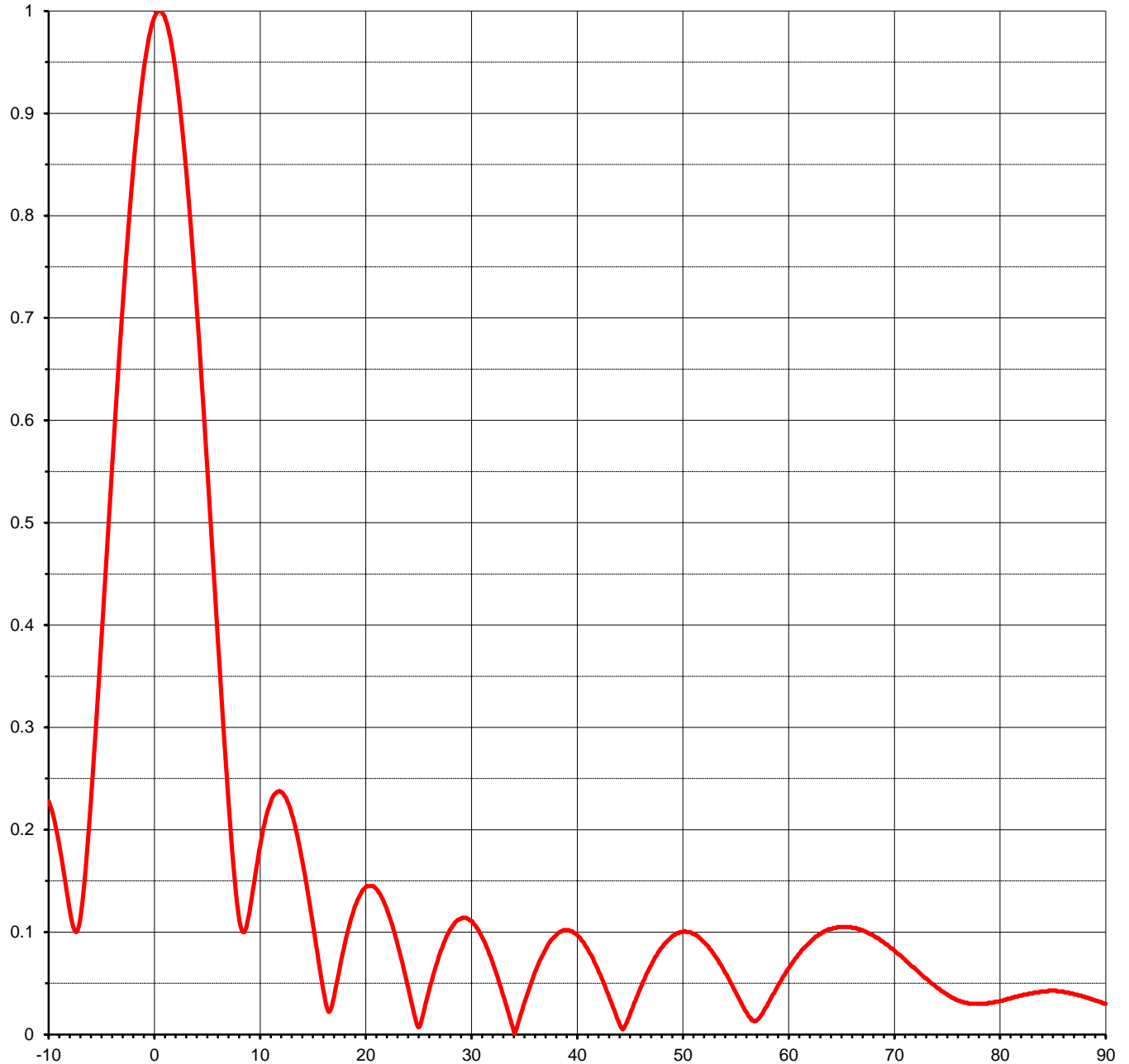
RMS Gain at Main Lobe	<b>3.80 ( 5.80 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.75 ( 5.74 dB )</b>	Frequency	<b>102.90 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>08C076050</b>



Degrees Below Horizontal

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>3.80</b>	<b>( 5.80 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.75</b>	<b>( 5.74 dB )</b>	Frequency	<b>102.90 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>08C076050-90</b>



Degrees Below Horizontal





Proposal Number **C-02683-3** Revision: **3**  
Date **28-Oct-11**  
Call Letters **WMXQ**  
Location **Jacksonville, FL**  
Customer **Cox Radio**  
Antenna Type **HDCBR-03-8FMB/24-2-T**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **08C076050-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.228	2.4	0.908	10.6	0.210	30.5	0.106	51.0	0.099	71.5	0.068
-9.5	0.211	2.6	0.888	10.8	0.218	31.0	0.097	51.5	0.096	72.0	0.064
-9.0	0.185	2.8	0.867	11.0	0.224	31.5	0.086	52.0	0.091	72.5	0.059
-8.5	0.154	3.0	0.845	11.5	0.235	32.0	0.073	52.5	0.086	73.0	0.055
-8.0	0.121	3.2	0.821	12.0	0.237	32.5	0.058	53.0	0.079	73.5	0.050
-7.5	0.101	3.4	0.795	12.5	0.232	33.0	0.041	53.5	0.071	74.0	0.046
-7.0	0.114	3.6	0.768	13.0	0.219	33.5	0.024	54.0	0.062	74.5	0.042
-6.5	0.162	3.8	0.740	13.5	0.199	34.0	0.007	54.5	0.053	75.0	0.039
-6.0	0.229	4.0	0.711	14.0	0.174	34.5	0.011	55.0	0.043	75.5	0.036
-5.5	0.306	4.2	0.681	14.5	0.146	35.0	0.028	55.5	0.033	76.0	0.033
-5.0	0.388	4.4	0.650	15.0	0.114	35.5	0.043	56.0	0.023	76.5	0.032
-4.5	0.471	4.6	0.619	15.5	0.081	36.0	0.058	56.5	0.016	77.0	0.030
-4.0	0.555	4.8	0.586	16.0	0.048	36.5	0.071	57.0	0.013	77.5	0.030
-3.5	0.636	5.0	0.554	16.5	0.024	37.0	0.081	57.5	0.019	78.0	0.030
-3.0	0.712	5.2	0.520	17.0	0.033	37.5	0.090	58.0	0.027	78.5	0.030
-2.8	0.741	5.4	0.487	17.5	0.058	38.0	0.096	58.5	0.037	79.0	0.031
-2.6	0.769	5.6	0.453	18.0	0.083	38.5	0.100	59.0	0.046	79.5	0.032
-2.4	0.796	5.8	0.420	18.5	0.105	39.0	0.102	59.5	0.055	80.0	0.033
-2.2	0.822	6.0	0.386	19.0	0.123	39.5	0.101	60.0	0.063	80.5	0.034
-2.0	0.846	6.2	0.354	19.5	0.135	40.0	0.098	60.5	0.071	81.0	0.035
-1.8	0.869	6.4	0.321	20.0	0.143	40.5	0.092	61.0	0.078	81.5	0.037
-1.6	0.890	6.6	0.289	20.5	0.145	41.0	0.085	61.5	0.084	82.0	0.038
-1.4	0.909	6.8	0.259	21.0	0.143	41.5	0.076	62.0	0.089	82.5	0.039
-1.2	0.927	7.0	0.229	21.5	0.136	42.0	0.065	62.5	0.094	83.0	0.040
-1.0	0.943	7.2	0.201	22.0	0.125	42.5	0.053	63.0	0.098	83.5	0.041
-0.8	0.957	7.4	0.174	22.5	0.110	43.0	0.040	63.5	0.101	84.0	0.042
-0.6	0.969	7.6	0.151	23.0	0.092	43.5	0.026	64.0	0.103	84.5	0.042
-0.4	0.979	7.8	0.130	23.5	0.072	44.0	0.013	64.5	0.104	85.0	0.043
-0.2	0.988	8.0	0.114	24.0	0.050	44.5	0.006	65.0	0.105	85.5	0.042
0.0	0.994	8.2	0.104	24.5	0.028	45.0	0.017	65.5	0.105	86.0	0.042
0.2	0.998	8.4	0.100	25.0	0.008	45.5	0.031	66.0	0.104	86.5	0.041
0.4	1.000	8.6	0.102	25.5	0.019	46.0	0.043	66.5	0.103	87.0	0.039
0.6	1.000	8.8	0.110	26.0	0.040	46.5	0.055	67.0	0.102	87.5	0.038
0.8	0.997	9.0	0.120	26.5	0.059	47.0	0.066	67.5	0.099	88.0	0.037
1.0	0.993	9.2	0.133	27.0	0.076	47.5	0.076	68.0	0.097	88.5	0.035
1.2	0.987	9.4	0.146	27.5	0.090	48.0	0.084	68.5	0.094	89.0	0.033
1.4	0.978	9.6	0.160	28.0	0.101	48.5	0.090	69.0	0.090	89.5	0.032
1.6	0.968	9.8	0.166	28.5	0.109	49.0	0.095	69.5	0.086	90.0	0.030
1.8	0.956	10.0	0.179	29.0	0.113	49.5	0.099	70.0	0.082		
2.0	0.942	10.2	0.190	29.5	0.114	50.0	0.100	70.5	0.078		
2.2	0.926	10.4	0.201	30.0	0.111	50.5	0.100	71.0	0.073		

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Proposal Number	<b>C-02683-3</b>	Revision:	<b>3</b>
Date	<b>28-Oct-11</b>		
Call Letters	<b>WJGL</b>		
Location	<b>Jacksonville, FL</b>		
Customer	<b>Cox Radio</b>		
Antenna Type	<b>HDCBR-O3-8FMB/24-2-T</b>		

## ELEVATION PATTERN

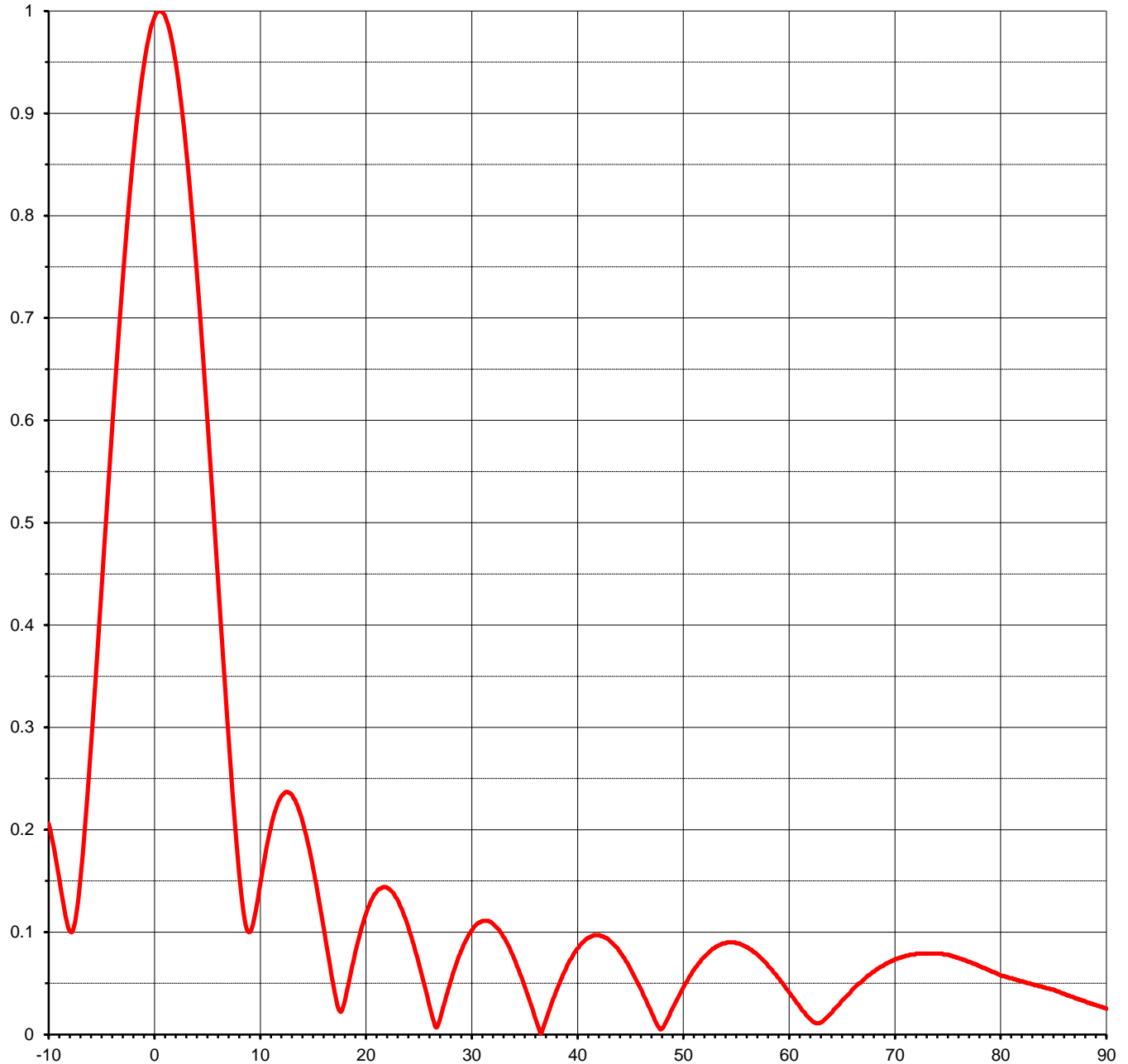
RMS Gain at Main Lobe	<b>3.65</b>	<b>( 5.62 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.60</b>	<b>( 5.56 dB )</b>	Frequency	<b>96.90 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>08C073050</b>



Degrees Below Horizontal

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>3.65</b>	<b>( 5.62 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>3.60</b>	<b>( 5.56 dB )</b>	Frequency	<b>96.90 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>08C073050-90</b>



Degrees Below Horizontal



Proposal Number **C-02683-3** Revision: **3**  
Date **28-Oct-11**  
Call Letters **WJGL**  
Location **Jacksonville, FL**  
Customer **Cox Radio**  
Antenna Type **HDCBR-03-8FMB/24-2-T**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **08C073050-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.206	2.4	0.920	10.6	0.177	30.5	0.107	51.0	0.062	71.5	0.078
-9.5	0.182	2.6	0.903	10.8	0.188	31.0	0.110	51.5	0.069	72.0	0.079
-9.0	0.152	2.8	0.885	11.0	0.198	31.5	0.111	52.0	0.075	72.5	0.079
-8.5	0.121	3.0	0.864	11.5	0.218	32.0	0.109	52.5	0.080	73.0	0.079
-8.0	0.101	3.2	0.843	12.0	0.231	32.5	0.104	53.0	0.084	73.5	0.079
-7.5	0.110	3.4	0.820	12.5	0.237	33.0	0.097	53.5	0.087	74.0	0.079
-7.0	0.152	3.6	0.796	13.0	0.235	33.5	0.088	54.0	0.089	74.5	0.079
-6.5	0.212	3.8	0.771	13.5	0.226	34.0	0.077	54.5	0.090	75.0	0.078
-6.0	0.282	4.0	0.745	14.0	0.212	34.5	0.064	55.0	0.090	75.5	0.076
-5.5	0.358	4.2	0.718	14.5	0.192	35.0	0.050	55.5	0.088	76.0	0.075
-5.0	0.436	4.4	0.690	15.0	0.168	35.5	0.035	56.0	0.086	76.5	0.073
-4.5	0.515	4.6	0.661	15.5	0.140	36.0	0.019	56.5	0.083	77.0	0.071
-4.0	0.593	4.8	0.631	16.0	0.110	36.5	0.004	57.0	0.079	77.5	0.069
-3.5	0.667	5.0	0.601	16.5	0.079	37.0	0.011	57.5	0.074	78.0	0.067
-3.0	0.738	5.2	0.570	17.0	0.049	37.5	0.026	58.0	0.069	78.5	0.065
-2.8	0.764	5.4	0.539	17.5	0.025	38.0	0.040	58.5	0.063	79.0	0.062
-2.6	0.790	5.6	0.508	18.0	0.029	38.5	0.053	59.0	0.056	79.5	0.060
-2.4	0.814	5.8	0.476	18.5	0.052	39.0	0.064	59.5	0.050	80.0	0.058
-2.2	0.837	6.0	0.445	19.0	0.076	39.5	0.074	60.0	0.043	80.5	0.056
-2.0	0.859	6.2	0.413	19.5	0.097	40.0	0.083	60.5	0.036	81.0	0.055
-1.8	0.880	6.4	0.382	20.0	0.115	40.5	0.089	61.0	0.029	81.5	0.053
-1.6	0.899	6.6	0.351	20.5	0.129	41.0	0.094	61.5	0.022	82.0	0.052
-1.4	0.917	6.8	0.320	21.0	0.138	41.5	0.096	62.0	0.016	82.5	0.050
-1.2	0.933	7.0	0.291	21.5	0.143	42.0	0.097	62.5	0.012	83.0	0.049
-1.0	0.947	7.2	0.262	22.0	0.144	42.5	0.096	63.0	0.011	83.5	0.048
-0.8	0.960	7.4	0.233	22.5	0.140	43.0	0.093	63.5	0.015	84.0	0.046
-0.6	0.971	7.6	0.207	23.0	0.133	43.5	0.088	64.0	0.020	84.5	0.045
-0.4	0.981	7.8	0.182	23.5	0.122	44.0	0.082	64.5	0.027	85.0	0.044
-0.2	0.988	8.0	0.158	24.0	0.108	44.5	0.075	65.0	0.033	85.5	0.042
0.0	0.994	8.2	0.138	24.5	0.091	45.0	0.066	65.5	0.038	86.0	0.040
0.2	0.998	8.4	0.121	25.0	0.073	45.5	0.056	66.0	0.044	86.5	0.038
0.4	1.000	8.6	0.108	25.5	0.053	46.0	0.046	66.5	0.049	87.0	0.036
0.6	1.000	8.8	0.101	26.0	0.032	46.5	0.035	67.0	0.053	87.5	0.034
0.8	0.998	9.0	0.100	26.5	0.013	47.0	0.024	67.5	0.058	88.0	0.032
1.0	0.995	9.2	0.104	27.0	0.012	47.5	0.012	68.0	0.061	88.5	0.030
1.2	0.989	9.4	0.112	27.5	0.030	48.0	0.005	68.5	0.065	89.0	0.029
1.4	0.982	9.6	0.122	28.0	0.048	48.5	0.013	69.0	0.068	89.5	0.027
1.6	0.973	9.8	0.128	28.5	0.065	49.0	0.024	69.5	0.071	90.0	0.025
1.8	0.962	10.0	0.141	29.0	0.079	49.5	0.034	70.0	0.073		
2.0	0.950	10.2	0.153	29.5	0.091	50.0	0.044	70.5	0.075		
2.2	0.936	10.4	0.165	30.0	0.100	50.5	0.053	71.0	0.077		

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