Engineering Statement

In Support of an Application for a Construction Permit

WSLE, Cairo, Georgia
Channel 272C2

WSLE Terrain-Contour Study

Reference Coordinates:
North Latitude: 30-29-32
West Longitude: 84-17-02

Azimuth °T.	ERP = 27 kW Ave. Elev. 3 to 16 km Meters AMSL	FM - 2-6 Tables Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 70 dBu Contour km	F(50-50) Distance to 60 dBu Contour km
0.0	42.0	177.4	14.314	30.6	50.0
5.0	42.6	176.8	14.314	30.5	49.9
10.0	46.6	172.8	14.314	30.2	49.5
15.0	45.1	174.3	14.314	30.3	49.7
20.0	45.5	173.9	14.314	30.3	49.6
25.0	45.6	173.8	14.314	30.3	49.6
30.0	46.6	172.8	14.314	30.2	49.5
35.0	44.9	174.5	14.314	30.3	49.7
40.0	40.7	178.7	14.314	30.7	50.1
45.0	41.5	177.9	14.314	30.6	50.0
50.0	41.3	178.1	14.314	30.6	50.0
55.0	39.5	179.9	14.314	30.8	50.2
60.0	38.4	181.0	14.314	30.9	50.3
65.0	38.8	180.6	14.314	30.8	50.2
70.0	39.5	179.9	14.314	30.8	50.2
75.0	36.8	182.6	14.314	31.0	50.4
80.0	38.6	180.8	14.314	30.9	50.3
85.0	40.5	178.9	14.314	30.7	50.1
90.0	39.5	179.9	14.314	30.8	50.2
95.0	38.7	180.7	14.314	30.8	50.2
100.0	34.9	184.5	14.314	31.1	50.6
105.0	36.0	183.4	14.314	31.1	50.5
110.0	32.7	186.7	14.314	31.3	50.7
115.0	30.4	189.0	14.314	31.5	50.9
120.0	25.3	194.1	14.314	31.9	51.4
125.0	25.7	193.7	14.314	31.9	51.3
130.0	29.9	189.5	14.314	31.6	51.0
135.0	38.3	181.1	14.314	30.9	50.3
140.0	41.2	178.2	14.314	30.6	50.0
145.0	41.1	178.3	14.314	30.6	50.0
150.0	40.7	178.7	14.314	30.7	50.1
155.0	38.7	180.7	14.314	30.8	50.2

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ERP = 27 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	Distance to 70 dBu Contour km	Distance to 60 dBu Contour km
160.0	34.3	185.1	14.314	31.2	50.6
165.0	34.0	185.4	14.314	31.2	50.6
170.0	31.7	187.7	14.314	31.4	50.8
175.0	27.4	192.0	14.314	31.8	51.2
180.0	28.0	191.4	14.314	31.7	51.1
185.0	24.1	195.3	14.314	32.0	51.5
190.0	20.3	199.1	14.314	32.4	51.8
195.0	21.2	198.2	14.314	32.3	51.7
200.0	23.4	196.0	14.314	32.1	51.5
205.0	22.4	197.0	14.314	32.2	51.6
210.0	23.7	195.7	14.314	32.1	51.5
215.0	25.8	193.6	14.314	31.9	51.3
220.0	25.9	193.5	14.314	31.9	51.3
225.0	26.1	193.3	14.314	31.9	51.3
230.0	27.9	191.5	14.314	31.7	51.2
235.0	28.1	191.3	14.314	31.7	51.1
240.0	30.1	189.3	14.314	31.5	51.0
245.0	33.9	185.5	14.314	31.2	50.7
250.0	37.1	182.3	14.314	31.0	50.4
255.0	33.8	185.6	14.314	31.2	50.7
260.0	33.3	186.1	14.314	31.3	50.7
265.0	36.7	182.7	14.314	31.0	50.4
270.0	37.3	182.1	14.314	31.0	50.4
275.0	37.0	182.4	14.314	31.0	50.4
280.0	37.3	182.1	14.314	31.0	50.4
285.0	35.4	184.0	14.314	31.1	50.5
290.0	35.1	184.3	14.314	31.1	50.6
295.0	30.8	188.6	14.314	31.5	50.9
300.0	31.8	187.6	14.314	31.4	50.8
305.0	32.0	187.4	14.314	31.4	50.8
310.0	32.6	186.8	14.314	31.3	50.8
315.0	31.5	187.9	14.314	31.4	50.9
320.0	32.2	187.2	14.314	31.4	50.8
325.0	32.8	186.6	14.314	31.3	50.7
330.0	34.3	185.1	14.314	31.2	50.6
335.0	39.6	179.8	14.314	30.8	50.2
340.0	43.7	175.7	14.314	30.4	49.8
345.0	38.9	180.5	14.314	30.8	50.2
350.0	40.9	178.5	14.314	30.7	50.1
355.0	42.1	177.3	14.314	30.6	49.9