

Engineering Statement

In Support of an Application for a Construction Permit WDAI, Pawley's Island, SC

WDAI Protected/WBZF Interfering FM Overlap Study

WDAI BLH19980731KA
Channel = 253C3
Max ERP = 10 kW
RCAMSL = 158.5 M
N. Lat = 33 35 27
W. Lng = 79 02 55

WBZF
Channel = 253A
Max ERP = 2.3 kW
RCAMSL = 250.9 M
N. Lat = 342754
W. Lng = 800545

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	010.0000	0157.7	039.2	120.7	002.3000	0192.9	112.5	32.7
010.0	010.0000	0156.8	039.1	119.3	002.3000	0193.4	118.7	31.5
020.0	010.0000	0156.7	039.0	118.5	002.3000	0193.6	125.3	30.1
030.0	010.0000	0155.7	038.9	118.4	002.3000	0193.6	132.1	28.8
040.0	010.0000	0154.7	038.8	118.7	002.3000	0193.6	138.9	27.5
050.0	010.0000	0154.1	038.7	119.4	002.3000	0193.4	145.4	26.3
060.0	010.0000	0155.7	038.9	120.5	002.3000	0193.0	151.6	25.2
070.0	010.0000	0156.7	039.0	121.8	002.3000	0192.5	157.4	24.2
080.0	010.0000	0157.3	039.1	123.4	002.3000	0191.9	162.5	23.3
090.0	010.0000	0158.0	039.2	125.2	002.3000	0190.9	167.0	22.5
100.0	010.0000	0158.2	039.2	127.2	002.3000	0189.1	170.6	21.8
110.0	010.0000	0158.3	039.2	129.3	002.3000	0187.3	173.3	21.3
120.0	010.0000	0158.5	039.2	131.4	002.3000	0186.0	175.2	20.9
130.0	010.0000	0158.4	039.2	133.7	002.3000	0184.9	176.2	20.7
140.0	010.0000	0158.5	039.2	135.9	002.3000	0183.7	176.2	20.7
150.0	010.0000	0158.5	039.2	138.1	002.3000	0182.9	175.3	20.8
160.0	010.0000	0158.5	039.2	140.3	002.3000	0182.2	173.5	21.2
170.0	010.0000	0158.4	039.2	142.4	002.3000	0181.9	170.7	21.6
180.0	010.0000	0158.0	039.2	144.4	002.3000	0182.3	167.1	22.3
190.0	010.0000	0157.4	039.1	146.2	002.3000	0182.9	162.7	23.1
200.0	010.0000	0155.6	038.9	147.8	002.3000	0183.4	157.5	24.0
210.0	010.0000	0153.8	038.7	149.2	002.3000	0183.5	151.8	24.9
220.0	010.0000	0158.2	039.2	150.5	002.3000	0183.6	145.8	26.0
230.0	010.0000	0156.7	039.0	151.2	002.3000	0183.7	139.2	27.2
240.0	010.0000	0156.8	039.1	151.5	002.3000	0183.7	132.4	28.5
250.0	010.0000	0155.9	038.9	151.3	002.3000	0183.7	125.6	29.8
260.0	010.0000	0155.7	038.9	150.5	002.3000	0183.6	119.0	31.1
270.0	010.0000	0155.3	038.9	149.1	002.3000	0183.5	112.9	32.4
280.0	010.0000	0155.7	038.9	147.0	002.3000	0183.2	107.4	33.6
290.0	010.0000	0156.1	039.0	144.3	002.3000	0182.2	103.0	34.7
300.0	010.0000	0156.9	039.1	140.9	002.3000	0182.1	099.7	35.5
310.0	010.0000	0156.4	039.0	137.1	002.3000	0183.3	098.1	36.0
320.0	010.0000	0155.1	038.9	133.1	002.3000	0185.2	098.2	36.0
330.0	010.0000	0157.3	039.1	129.2	002.3000	0187.3	099.5	35.7
340.0	010.0000	0157.2	039.1	125.8	002.3000	0190.5	102.7	35.0
350.0	010.0000	0156.8	039.1	123.0	002.3000	0192.1	107.1	33.9