

Engineering Statement

In Support of an

Application for a Construction Permit

WZAT-FM, Savannah, Georgia

WZAT Protected/WPNG Interfering FM Overlap Study

WZAT
Channel = 271C
Max ERP = 100 kW
RCAMSL = 605.4 M
N. Lat = 320337
W. Lng = 812040

WPNG BLH20011009ABD
Channel = 270C3
Max ERP = 12.9 kW
RCAMSL = 203 M
N. Lat = 31 19 36
W. Lng = 82 51 54

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
227.0	100.0000	0599.5	091.8	076.1	003.2584	0158.3	079.7	42.0
228.0	100.0000	0599.5	091.8	075.1	003.1991	0158.1	078.9	42.2
229.0	100.0000	0599.5	091.8	074.1	003.1387	0157.7	078.2	42.3
230.0	100.0000	0599.4	091.8	073.0	003.0772	0157.3	077.5	42.4
231.0	100.0000	0599.4	091.8	071.9	003.0149	0156.9	076.9	42.5
232.0	100.0000	0599.4	091.8	070.7	002.9519	0156.5	076.4	42.6
233.0	100.0000	0599.4	091.8	069.6	002.9106	0156.0	075.9	42.6
234.0	100.0000	0599.4	091.8	068.4	002.9106	0155.7	075.4	42.8
235.0	100.0000	0599.4	091.8	067.2	002.9106	0155.3	075.0	42.9
236.0	100.0000	0599.4	091.8	066.0	002.9106	0154.7	074.7	42.9
237.0	100.0000	0599.4	091.8	064.8	002.9106	0154.1	074.4	43.0
238.0	100.0000	0599.4	091.8	063.6	002.9106	0153.6	074.2	43.0
239.0	100.0000	0599.5	091.8	062.3	002.9106	0153.0	074.1	43.0
240.0	100.0000	0599.5	091.8	061.1	002.9106	0152.2	074.0	43.0
241.0	100.0000	0599.5	091.8	059.9	002.9187	0151.2	074.0	43.0
242.0	100.0000	0599.5	091.8	058.6	002.9878	0150.3	074.1	43.0
243.0	100.0000	0599.5	091.8	057.4	003.0575	0149.3	074.2	43.1
244.0	100.0000	0599.5	091.8	056.1	003.1276	0148.2	074.3	43.1
245.0	100.0000	0599.5	091.8	054.9	003.1980	0147.3	074.6	43.0
246.0	100.0000	0599.5	091.8	053.7	003.2684	0146.6	074.9	43.0
247.0	100.0000	0599.4	091.8	052.5	003.3386	0145.9	075.2	43.0
248.0	100.0000	0599.2	091.8	051.3	003.4085	0144.9	075.6	42.9
249.0	100.0000	0599.0	091.8	050.2	003.4779	0143.6	076.1	42.7
250.0	100.0000	0598.6	091.8	049.0	003.5961	0142.4	076.7	42.7
251.0	100.0000	0598.2	091.7	047.9	003.7224	0141.6	077.3	42.6
252.0	100.0000	0597.7	091.7	046.9	003.8477	0140.9	077.9	42.5
253.0	100.0000	0597.2	091.7	045.8	003.9718	0140.6	078.6	42.4
254.0	100.0000	0596.7	091.7	044.8	004.0944	0140.5	079.4	42.3
255.0	100.0000	0596.3	091.7	043.8	004.2153	0140.7	080.2	42.2
256.0	100.0000	0596.1	091.7	042.8	004.3344	0140.8	081.0	42.1