

10-01-2014

Terrain Data: NED 03 SEC

FMOver Analysis

WFJA - As Proposed

WDAR-FM BLH199601115K

Channel = 288A
 Max ERP = 2.7 kW
 RCAMSL = 251 M
 N. Lat. 35 26 34.0
 W. Lng. 79 18 41.0
 Protected
 60 dBu

Channel = 288C3
 Max ERP = 17 kW
 RCAMSL = 166 M
 N. Lat. 34 18 58.0
 W. Lng. 79 53 17.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
150.0	2.7	0125.1	026.1	032.4	17.0	0123.5	121.8	37.60	
160.0	2.7	0122.9	025.9	031.2	17.0	0123.9	118.1	38.27	
165.0	2.7	0124.1	026.0	030.5	17.0	0124.2	116.3	38.60	
170.0	2.7	0125.7	026.1	029.7	17.0	0124.2	114.7	38.90	
175.0	2.7	0130.1	026.5	028.9	17.0	0123.9	113.0	39.20	
180.0	2.7	0130.1	026.5	027.9	17.0	0123.4	111.8	39.42	
185.0	2.7	0126.6	026.2	026.8	17.0	0122.4	111.1	39.52	
186.0	2.7	0126.0	026.2	026.5	17.0	0122.3	110.9	39.54	
187.0	2.7	0124.6	026.1	026.3	17.0	0122.2	110.9	39.55	
188.0	2.7	0124.3	026.0	026.1	17.0	0122.2	110.8	39.58	
189.0	2.7	0125.9	026.2	025.9	17.0	0122.2	110.5	39.63	
190.0	2.7	0127.1	026.3	025.7	17.0	0122.2	110.3	39.68	
191.0	2.7	0129.2	026.4	025.5	17.0	0122.1	110.0	39.73	
192.0	2.7	0130.1	026.5	025.2	17.0	0122.0	109.8	39.77	
193.0	2.7	0132.2	026.7	025.0	17.0	0122.1	109.5	39.82	
194.0	2.7	0134.6	026.9	024.8	17.0	0122.1	109.2	39.88	
195.0	2.7	0136.0	027.0	024.6	17.0	0122.2	109.0	39.93	
196.0	2.7	0135.3	027.0	024.3	17.0	0122.2	109.0	39.93	
197.0	2.7	0132.5	026.7	024.1	17.0	0122.2	109.2	39.90	CLOSEST
198.0	2.7	0132.1	026.7	023.8	17.0	0122.1	109.1	39.90	
199.0	2.7	0131.2	026.6	023.6	17.0	0122.0	109.2	39.89	
200.0	2.7	0130.0	026.5	023.3	17.0	0121.8	109.2	39.87	
201.0	2.7	0128.6	026.4	023.1	17.0	0121.6	109.3	39.85	
202.0	2.7	0126.6	026.2	022.8	17.0	0121.4	109.5	39.81	
203.0	2.7	0124.4	026.0	022.6	17.0	0121.2	109.6	39.77	
204.0	2.7	0121.0	025.8	022.4	17.0	0121.0	109.9	39.70	
205.0	2.7	0119.4	025.6	022.1	17.0	0120.7	110.1	39.66	
206.0	2.7	0119.5	025.6	021.9	17.0	0120.5	110.1	39.65	
207.0	2.7	0120.9	025.7	021.7	17.0	0120.3	110.0	39.66	
208.0	2.7	0121.2	025.8	021.4	17.0	0120.1	110.0	39.65	
209.0	2.7	0122.1	025.8	021.2	17.0	0120.0	110.0	39.65	
210.0	2.7	0120.7	025.7	021.0	17.0	0119.8	110.2	39.61	
211.0	2.7	0119.6	025.6	020.7	17.0	0119.7	110.4	39.58	
212.0	2.7	0119.1	025.6	020.5	17.0	0119.6	110.5	39.55	
213.0	2.7	0118.5	025.5	020.3	17.0	0119.5	110.6	39.52	
214.0	2.7	0118.8	025.6	020.1	17.0	0119.4	110.7	39.50	
215.0	2.7	0120.1	025.7	019.8	17.0	0119.2	110.7	39.50	
220.0	2.7	0125.8	026.2	018.7	17.0	0118.3	110.9	39.42	
225.0	2.7	0134.2	026.9	017.4	17.0	0117.1	111.2	39.33	
230.0	2.7	0142.7	027.6	016.2	17.0	0117.1	111.8	39.21	
235.0	2.7	0146.7	027.9	015.1	17.0	0117.5	113.0	39.01	
240.0	2.7	0155.1	028.6	013.9	17.0	0117.7	114.1	38.80	
250.0	2.7	0153.5	028.5	012.5	17.0	0118.3	118.1	38.11	
260.0	2.7	0158.0	028.9	011.2	17.0	0119.8	122.3	37.41	

**Figure 2B - 73.215 Contour Protection Tabulation
Using NED 3" Terrain**



**WFJA - Ch. 288A - Sanford, NC
App to Increase ERP - October 2014**