

# Exhibit 15-F-27

## Field Intensity Measurement Data WVBE Bearing N 238.0 E

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1841 Highland Ridge Rd., Berkeley Springs, WV 25411

WVBE 610 kHz 1/5 kW DA-2-U Roanoke, VA. Sep. 2004 DA-Day allocation measurements. Bearing N 238.0 E

Pt No.	Distance (Miles) (Km.)		DA-Day (mV/m)	Point Description	Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	2.2000	3.5406	56.000	GPS location at Riverside Park on W. Riverside Dr., Salem VA	09132004:1415	37,17,10.2-80,04,35.1
2	2.8900	4.6510	43.100	1908 Millstream Dr.	" :1423	37,16,51.3-80,05,13.1
3	3.7000	5.9546	44.000	GPS location on Creekside Lane	" :1434	37,16,28.9-80,05,58.1
4	4.2800	6.8880	28.900	GPS location on Harborwood Road	" :1448	37,16,13.2-80,06,29.4
5	6.0800	9.7848	16.100	GPS location on Benson Lane	" :1507	37,15,22.8-80,08,09.3
6	6.7300	10.8309	7.400	GPS location on Bohan Hollow Rd. (Hwy 734)	" :1520	37,15,05.0-80,08,45.3
7	7.5300	12.1184	7.500	GPS location on West River Road	" :1530	37,14,42.6-80,09,29.7
8	8.1100	13.0518	6.100	GPS location on Dry Hollow Road	" :1535	37,14,26.8-80,10,02.2
9	9.6200	15.4819	5.050	GPS location on Hwy. 603 (Cove Hollow Rd.)	" :1554	37,13,44.3-80,11,25.8
10	11.7000	18.8293	2.610	345 Brake Road	" :1607	37,12,45.7-80,13,23.2
11	13.4000	21.5652	2.420	4268 Hwy. 636	" :1613	37,11,59.7-80,14,55.0
12	16.7000	26.8760	1.800	GPS location on Friendship Road	" :1654	37,10,26.7-80,17,59.8
13	18.5000	29.7729	0.860	Hwy. 691 (Den Hill Rd.) at Hwy. 819	09142004:1206	37,09,36.7-80,19,38.3
14	20.6000	33.1525	0.780	GPS location on Hwy. 758 (Houchins Rd), Christiansburg, VA	" :1406	37,08,39.7-80,21,31.4
15	22.8000	36.6930	0.970	445 Chinguapin Trail, Christiansburg VA	" :1428	37,07,40.0-80,23,31.1
16	24.9000	40.0727	0.630	2211 Riner Rd (Hwy. 8), Christiansburg, VA	" :1443	37,06,41.1-80,25,27.5
17	27.8000	44.7398	0.770	GPS location on Hwy. 658 (Meadow Creek Rd.)	" :1454	37,05,18.2-80,28,11.1
18	32.1000	51.6599	0.495	GPS location on Hwy. 787	" :1510	37,03,19.7-80,32,04.3
19	36.0000	57.9364	0.395	GPS location on Hwy. 754	" :1528	37,01,30.1-80,35,42.3
20	41.9000	67.4315	0.130	GPS location at Camp Powhatan BSA, Hwy. 655	" :1545	36,58,47.9-80,41,02.9
21	48.7000	78.3751	0.108	GPS location on Aldengate Road	" :1608	36,55,36.6-80,47,16.4
22	53.0000	85.2952	0.125	GPS location on Hwy. 703 (Bakers Island Rd.)	" :1630	36,53,35.4-80,51,13.0
23	57.8000	93.0201	0.080	2015 Austinville Rd. (Hwy. 619)	" :1654	36,51,21.3-80,55,34.7
24	67.3000	108.3089	0.057	GPS location on Hwy. 602, Mt. Rogers Natl. Park	" :1725	36,46,52.5-81,04,17.5
25	72.3000	116.3556	0.037	Hwy. 805 (Spring Valley Rd.) 0.8 mi SE of US 21	09152004:1408	36,44,30.8-81,08,52.6
26	78.2000	125.8507	0.040	Hwy. 658 (Big Ridge Rd) in hairpin curve	" :1447	36,41,44.7-81,14,14.6
27	87.8000	141.3004	0.025	US Hwy. 58 - Hall Cemetery Volney, VA	" :1540	36,37,14.2-81,22,56.6
28	95.8000	154.1752	0.023	Helton Creek Road 0.35 mi NW of Rt. 194 NC	" :1608	36,33,26.7-81,30,13.1
29	113.3000	182.3387	0.013	T. Greer Road, 0.15 mi E of US 421, Midway, TN	" :1714	36,25,10.1-81,46,03.0

Weather Information: 09132004: 82 degrees, partly cloudy; 09142004: 74 degrees, cloudy; 09152004: 78 degrees, cloudy.  
Measurements by H. Allen Boaz Jr., using Potomac Inst. FIM-41, s/n 468, cal. 16 May 2002.