

**EQUIPMENT:** *HYBRID BICON/LOG PERIODIC ANTENNA*  
**MODEL:** *REFERENCE ANTENNA*  
**CALIBRATION:** *8/13/2019*  
**ANTENNA POLARIZATION:** *HORIZONTAL*  
**CAL. DIST.** *10M*

***E-FIELD ANTENNA FACTOR (AFE) 25 MHz TO 2000 MHz***

<i>FREQUENCY (GHz)</i>	<i>GAIN (dBi)</i>	<i>AFE (dB/M)</i>	<i>FREQUENCY (GHz)</i>	<i>GAIN (dBi)</i>	<i>AFE (dB/M)</i>
20	-15.15	<b>11.39</b>	450	6.88	<b>16.39</b>
25	-15.83	<b>14.00</b>	500	7.04	<b>17.15</b>
30	-20.26	<b>20.01</b>	550	6.94	<b>18.07</b>
35	-17.78	<b>18.87</b>	600	7.3	<b>18.47</b>
40	-13.45	<b>15.70</b>	650	7.06	<b>19.41</b>
45	-9.04	<b>12.31</b>	700	7.62	<b>19.49</b>
50	-5.78	<b>9.97</b>	750	7.17	<b>20.55</b>
60	-2.17	<b>7.94</b>	800	7.27	<b>21.00</b>
70	0.83	<b>6.29</b>	850	7.2	<b>21.60</b>
80	1.77	<b>6.50</b>	900	7.19	<b>22.10</b>
90	1.11	<b>8.19</b>	950	7.09	<b>22.67</b>
100	-0.52	<b>10.73</b>	1000	7.47	<b>22.47</b>
120	2.18	<b>9.61</b>	1100	7.72	<b>23.32</b>
140	4.22	<b>8.92</b>	1200	7.37	<b>24.42</b>
160	5.85	<b>8.44</b>	1300	7.21	<b>25.27</b>
180	5.84	<b>9.47</b>	1400	8.11	<b>25.02</b>
200	6.70	<b>9.53</b>	1500	8.41	<b>25.33</b>
250	6.39	<b>11.78</b>	1600	8.6	<b>25.69</b>
300	6.59	<b>13.17</b>	1700	8.37	<b>26.45</b>
350	6.93	<b>14.17</b>	1800	8.69	<b>26.63</b>
400	6.84	<b>15.41</b>	1900	8.76	<b>27.02</b>
			2000	8.24	<b>27.99</b>

***CALIBRATION PERFORMED PER: ANSI C63.5:2006***

***EQUATIONS 1-6 [ 3-ANTENNA PROCEDURE]***

***CORRECTED READING (dB $\mu$ V/M) = METER READING (dB $\mu$ V) + AFE (dB/M)***