

1



Gain and Antenna Factors for Dipole Antenna
Manufactured by EMC Test Systems
Model Number: DB-4 Serial Number: 00069062
3.0 Meter Calibration Polarization: Horizontal
1.0 Meter Transmit Height

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
400	20.6	1.46	1.7
425	21.0	1.51	1.8
450	21.4	1.55	1.9
475	21.8	1.57	2.0
500	22.2	1.59	2.0
525	22.8	1.52	1.8
550	23.4	1.45	1.6
575	24.0	1.37	1.4
600	24.7	1.29	1.1
625	24.9	1.32	1.2
650	25.2	1.35	1.3
675	25.4	1.37	1.4
700	25.7	1.39	1.4
725	26.1	1.36	1.3
750	26.5	1.33	1.3
775	26.8	1.30	1.2
800	27.2	1.27	1.0
825	27.3	1.32	1.2
850	27.4	1.37	1.4
875	27.5	1.42	1.5
900	27.6	1.47	1.7
925	27.8	1.49	1.7
950	27.9	1.52	1.8
975	28.1	1.55	1.9
1000	28.2	1.57	2.0

Specification compliance testing factor (3.0 meter spacing) to be added to receiver meter reading in dB μ V to convert to field intensity in dB μ V/meter. Calibrated 25 Jan 07 (DD/MM/YYYY). Calibration per SAE/ARP 958.

H 2



Gain and Antenna Factors for Dipole Antenna
Manufactured by EMC Test Systems
Model Number: DB-4 Serial Number: 00069064
3.0 Meter Calibration Polarization: Horizontal
1.0 Meter Transmit Height

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
400	20.7	1.42	1.5
425	21.1	1.46	1.6
450	21.6	1.49	1.7
475	22.0	1.51	1.8
500	22.4	1.52	1.8
525	23.0	1.47	1.7
550	23.5	1.41	1.5
575	24.1	1.35	1.3
600	24.7	1.29	1.1
625	24.9	1.32	1.2
650	25.2	1.34	1.3
675	25.5	1.35	1.3
700	25.8	1.37	1.4
725	26.2	1.31	1.2
750	26.7	1.26	1.0
775	27.2	1.20	0.8
800	27.7	1.15	0.6
825	27.7	1.21	0.8
850	27.8	1.27	1.0
875	27.8	1.34	1.3
900	27.8	1.40	1.5
925	28.0	1.42	1.5
950	28.2	1.43	1.6
975	28.4	1.44	1.6
1000	28.6	1.45	1.6

Specification compliance testing factor (3.0 meter spacing) to be added to receiver meter reading in dB μ V to convert to field intensity in dB μ V/meter. Calibrated 25 Jan 07 (DD/MM/YYYY). Calibration per SAE/ARP 958.