

# 1 – EMF UNIT CONVERSION / EQUIVALENT CHART – CEM TABLE CONVERSION / ÉQUIVALENCE

dBm	kV/m	V/m	mV/m	W/m <sup>2</sup>	mW/m <sup>2</sup>	μW/m <sup>2</sup>	nW/m <sup>2</sup>	mW/cm <sup>2</sup>	μW/cm <sup>2</sup>	nW/cm <sup>2</sup>	pW/cm <sup>2</sup>	A/m	mA/m	μA/m	mGauss	μT	nT
40	0.601598	601.598	601598	960	960000	960000000	9.6E+11	96.0	96000	96000000	9.6E+10	1.5957503	1595.7503	1595750.3	40.167364	4.016736	4016.736
39	0.536331	536.331	536331	763	763000	763000000	7.63E+11	76.3	76300	76300000	7.63E+10	1.4226288	1422.6288	1422628.8	31.924686	3.192469	3192.469
38	0.477977	477.977	477977	606	606000	606000000	6.06E+11	60.6	60600	60600000	6.06E+10	1.2678435	1267.8435	1267843.5	25.355649	2.535565	2535.565
37	0.425837	425.837	425837	481	481000	481000000	4.81E+11	48.1	48100	48100000	4.81E+10	1.1295406	1129.5406	1129540.6	20.125523	2.012552	2012.552
36	0.379492	379.492	379492	382	382000	382000000	3.82E+11	38.2	38200	38200000	3.82E+10	1.0066095	1006.6095	1006609.5	15.983264	1.598326	1598.326
35	0.338538	338.538	338538	304	304000	304000000	3.04E+11	30.4	30400	30400000	3.04E+10	0.8979789	897.97887	897978.87	12.719665	1.271967	1271.967
34	0.301425	301.425	301425	241	241000	241000000	2.41E+11	24.1	24100	24100000	2.41E+10	0.7995357	799.53567	799535.67	10.083682	1.008368	1008.368
33	0.269043	269.043	269043	192	192000	192000000	1.92E+11	19.2	19200	19200000	1.92E+10	0.7136412	713.64124	713641.24	8.0334728	0.803347	803.3473
32	0.239383	239.383	239383	152	152000	152000000	1.52E+11	15.2	15200	15200000	1.52E+10	0.6349669	634.96695	634966.95	6.3598326	0.635983	635.9833
30	0.213581	213.581	213581	121	121000	121000000	1.21E+11	12.1	12100	12100000	1.21E+10	0.5665288	566.52882	566528.82	5.0627615	0.506276	506.2762
29	0.190242	190.242	190242	96	96000	96000000	9.6E+10	9.6	9600	9600000	9.6E+09	0.5046206	504.62056	504620.56	4.0167364	0.401674	401.6736
28	0.169603	169.603	169603	76.3	76300	76300000	7.63E+10	7.63	7630	7630000	7.63E+09	0.4498747	449.87472	449874.72	3.1924686	0.319247	319.2469
27	0.15115	151.150	151150	60.6	60600	60600000	6.06E+10	6.06	6060	6060000	6.06E+09	0.4009273	400.92731	400927.31	2.5355649	0.253556	253.5565
26	0.134661	134.661	134661	48.1	48100	48100000	4.81E+10	4.81	4810	4810000	4.81E+09	0.3571921	357.19211	357192.11	2.0125523	0.201255	201.2552
25	0.120006	120.006	120006	38.2	38200	38200000	3.82E+10	3.82	3820	3820000	3.82E+09	0.3183179	318.31786	318317.86	1.5983264	0.159833	159.8326
24	0.107055	107.055	107055	30.4	30400	30400000	3.04E+10	3.04	3040	3040000	3.04E+09	0.2839659	283.96585	283965.85	1.2719665	0.127197	127.1967
23	0.095319	95.3189	95319	24.1	24100	24100000	2.41E+10	2.41	2410	2410000	2.41E+09	0.2528354	252.83538	252835.38	1.0083682	0.100837	100.8368
22	0.085079	85.0788	85079	19.2	19200	19200000	1.92E+10	1.92	1920	1920000	1.92E+09	0.2256732	225.67318	225673.18	0.8033473	0.080335	80.33473
21	0.075699	75.6994	75699	15.2	15200	15200000	1.52E+10	1.52	1520	1520000	1.52E+09	0.2007942	200.79418	200794.18	0.6359833	0.063598	63.59833
20	0.06754	67.5404	67540	12.1	12100	12100000	1.21E+10	1.21	1210	1210000	1.21E+09	0.1791521	179.15214	179152.14	0.5062762	0.050628	50.62762
19	0.06016	60.1598	60160	9.6	9600	9600000	9.6E+09	0.960	960	960000	960000000	0.159575	159.57503	159575.03	0.4016736	0.040167	40.16736
18	0.053633	53.6331	53633	7.63	7630	7630000	7.63E+09	0.763	763	763000	763000000	0.1422629	142.26288	142262.88	0.3192469	0.031925	31.92469
17	0.047798	47.7977	47798	6.06	6060	6060000	6.06E+09	0.606	606	606000	606000000	0.1267843	126.78435	126784.35	0.2535565	0.025356	25.35565
16	0.042584	42.5837	42584	4.81	4810	4810000	4.81E+09	0.481	481	481000	481000000	0.1129541	112.95406	112954.06	0.2012552	0.020126	20.12552
15	0.037949	37.9492	37949	3.82	3820	3820000	3.82E+09	0.382	382	382000	382000000	0.1006609	100.66095	100660.95	0.1598326	0.015983	15.98326
14	0.033854	33.8538	33854	3.04	3040	3040000	3.04E+09	0.304	304	304000	304000000	0.0897979	89.797887	89797.887	0.1271967	0.01272	12.71967
13	0.030142	30.1425	30142	2.41	2410	2410000	2.41E+09	0.241	241	241000	241000000	0.0799536	79.953567	79953.567	0.1008368	0.010084	10.08368
12	0.026904	26.9043	26904	1.92	1920	1920000	1.92E+09	0.192	192	192000	192000000	0.0713641	71.364124	71364.124	0.0803347	0.008033	8.033473
11	0.023938	23.9383	23938	1.52	1520	1520000	1.52E+09	0.152	152	152000	152000000	0.0634967	63.496695	63496.695	0.0635983	0.00636	6.359833
10	0.021358	21.3581	21358	1.21	1210	1210000	1.21E+09	0.121	121	121000	121000000	0.0566529	56.652882	56652.882	0.0506276	0.005063	5.062762
9	0.019024	19.0242	19024	0.96	960	960000	960000000	0.096	96	96000	96000000	0.0504621	50.462056	50462.056	0.0401674	0.004017	4.016736
8	0.01696	16.9603	16960	0.763	763	763000	763000000	0.0763	76.3	76300	76300000	0.0449875	44.987472	44987.472	0.0319247	0.003192	3.192469
7	0.015115	15.1150	15115	0.606	606	606000	606000000	0.0606	60.6	60600	60600000	0.0400927	40.092731	40092.731	0.0253556	0.002536	2.535565
6	0.013466	13.4661	13466	0.481	481	481000	481000000	0.0481	48.1	48100	48100000	0.0357192	35.719211	35719.211	0.0201255	0.002013	2.012552
5	0.012001	12.0006	12001	0.382	382	382000	382000000	0.0382	38.2	38200	38200000	0.0318318	31.831786	31831.786	0.0159833	0.001598	1.598326
4	0.010706	10.7055	10706	0.304	304	304000	304000000	0.0304	30.4	30400	30400000	0.0283966	28.396585	28396.585	0.0127197	0.001272	1.271967
3	0.009532	9.53189	9532	0.241	241	241000	241000000	0.0241	24.1	24100	24100000	0.0252835	25.283538	25283.538	0.0100837	0.001008	1.008368

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dBm	kV/m	V/m	mV/m	W/m <sup>2</sup>	mW/m <sup>2</sup>	µW/m <sup>2</sup>	nW/m <sup>2</sup>	mW/cm <sup>2</sup>	µW/cm <sup>2</sup>	nW/cm <sup>2</sup>	pW/cm <sup>2</sup>	A/m	mA/m	µA/m	mGauss	µT	nT
2	0.008508	8.50788	8508	0.192	192	192000	192000000	0.0192	19.2	19200	19200000	0.0225673	22.567318	22567.318	0.0080335	0.000803	0.803347
1	0.007570	7.56994	7570	0.152	152	152000	152000000	0.0152	15.2	15200	15200000	0.0200794	20.079418	20079.418	0.0063598	0.000636	0.635983
0	0.006754	6.75404	6754	0.121	121	121000	121000000	0.0121	12.1	12100	12100000	0.0179152	17.915214	17915.214	0.0050628	0.000506	0.506276
-1	0.006016	6.01598	6016	0.096	96	96000	96000000	0.0096	9.6	9600	9600000	0.0159575	15.957503	15957.503	0.0040167	0.000402	0.401674
-2	0.005363	5.36331	5363	0.0763	76.3	76300	76300000	0.00763	7.63	7630	7630000	0.0142263	14.226288	14226.288	0.0031925	0.000319	0.319247
-3	0.004780	4.77977	4780	0.0606	60.6	60600	60600000	0.00606	6.06	6060	6060000	0.0126784	12.678435	12678.435	0.0025356	0.000254	0.253556
-4	0.004258	4.25837	4258	0.0481	48.1	48100	48100000	0.00481	4.81	4810	4810000	0.0112954	11.295406	11295.406	0.0020126	0.000201	0.201255
-5	0.003795	3.79492	3795	0.0382	38.2	38200	38200000	0.00382	3.82	3820	3820000	0.0100661	10.066095	10066.095	0.0015983	0.00016	0.159833
-6	0.003385	3.38538	3385	0.0304	30.4	30400	30400000	0.00304	3.04	3040	3040000	0.0089798	8.9797887	8979.7887	0.001272	0.000127	0.127197
-7	0.003014	3.01425	3014	0.0241	24.1	24100	24100000	0.00241	2.41	2410	2410000	0.0079954	7.9953567	7995.3567	0.0010084	0.000101	0.100837
-8	0.002690	2.69043	2690	0.0192	19.2	19200	19200000	0.00192	1.92	1920	1920000	0.0071364	7.1364124	7136.4124	0.0008033	8.03E-05	0.080335
-9	0.002394	2.39383	2394	0.0152	15.2	15200	15200000	0.00152	1.52	1520	1520000	0.0063497	6.3496695	6349.6695	0.000636	6.36E-05	0.063598
-10	0.002136	2.13581	2136	0.0121	12.1	12100	12100000	0.00121	1.21	1210	1210000	0.0056653	5.6652882	5665.2882	0.0005063	5.06E-05	0.050628
-11	0.001902	1.90242	1902	0.0096	9.6	9600	9600000	0.00096	0.96	960	960000	0.0050462	5.0462056	5046.2056	0.0004017	4.02E-05	0.040167
-12	0.001696	1.69603	1696	0.00763	7.63	7630	7630000	0.000763	0.763	763	763000	0.0044987	4.4987472	4498.7472	0.0003192	3.19E-05	0.031925
-13	0.001511	1.51150	1511	0.00606	6.06	6060	6060000	0.000606	0.606	606	606000	0.0040093	4.0092731	4009.2731	0.0002536	2.54E-05	0.025356
-14	0.001347	1.34661	1347	0.00481	4.81	4810	4810000	0.000481	0.481	481	481000	0.0035719	3.5719211	3571.9211	0.0002013	2.01E-05	0.020126
-15	0.001200	1.20006	1200	0.00382	3.82	3820	3820000	0.000382	0.382	382	382000	0.0031832	3.1831786	3183.1786	0.0001598	1.6E-05	0.015983
-16	0.001071	1.07055	1071	0.00304	3.04	3040	3040000	0.000304	0.304	304	304000	0.0028397	2.8396585	2839.6585	0.0001272	1.27E-05	0.01272
-17	0.000953	0.95319	953.2	0.00241	2.41	2410	2410000	0.000241	0.241	241	241000	0.0025284	2.5283538	2528.3538	0.0001008	1.01E-05	0.010084
-18	0.000851	0.85079	850.8	0.00192	1.92	1920	1920000	0.000192	0.192	192	192000	0.0022567	2.2567318	2256.7318	8.033E-05	8.03E-06	0.008033
-19	0.000757	0.75699	757.0	0.00152	1.52	1520	1520000	0.000152	0.152	152	152000	0.0020079	2.0079418	2007.9418	6.36E-05	6.36E-06	0.00636
-20	0.000675	0.67540	675.4	0.00121	1.21	1210	1210000	0.000121	0.121	121	121000	0.0017915	1.7915214	1791.5214	5.063E-05	5.06E-06	0.005063
-21	0.000602	0.60160	601.6	0.00096	0.96	960	960000	0.000096	0.096	96	96000	0.0015958	1.5957503	1595.7503	4.017E-05	4.02E-06	0.004017
-22	0.000536	0.53633	536.3	0.000763	0.763	763	763000	0.0000763	0.0763	76.3	76300	0.0014226	1.4226288	1422.6288	3.192E-05	3.19E-06	0.003192
-23	0.000478	0.47798	478.0	0.000606	0.606	606	606000	0.0000606	0.0606	60.6	60600	0.0012678	1.2678435	1267.8435	2.536E-05	2.54E-06	0.002536
-24	0.000426	0.42584	425.8	0.000481	0.481	481	481000	0.0000481	0.0481	48.1	48100	0.0011295	1.1295406	1129.5406	2.013E-05	2.01E-06	0.002013
-25	0.000379	0.37949	379.5	0.000382	0.382	382	382000	0.0000382	0.0382	38.2	38200	0.0010066	1.0066095	1006.6095	1.598E-05	1.6E-06	0.001598
-26	0.000339	0.33854	338.5	0.000304	0.304	304	304000	0.0000304	0.0304	30.4	30400	0.000898	0.8979789	897.97887	1.272E-05	1.27E-06	0.001272
-27	0.000301	0.30142	301.4	0.000241	0.241	241	241000	0.0000241	0.0241	24.1	24100	0.0007995	0.7995357	799.53567	1.008E-05	1.01E-06	0.001008
-28	0.000269	0.26904	269.0	0.000192	0.192	192	192000	0.0000192	0.0192	19.2	19200	0.0007136	0.7136412	713.64124	8.033E-06	8.03E-07	0.000803
-29	0.000239	0.23938	239.4	0.000152	0.152	152	152000	0.0000152	0.0152	15.2	15200	0.000635	0.6349669	634.96695	6.36E-06	6.36E-07	0.000636
-30	0.000214	0.21358	213.6	0.000121	0.121	121	121000	0.0000121	0.0121	12.1	12100	0.0005665	0.5665288	566.52882	5.063E-06	5.06E-07	0.000506
-31	0.000190	0.19024	190.2	0.000096	0.096	96	96000	0.0000096	0.0096	9.6	9600	0.0005046	0.5046206	504.62056	4.017E-06	4.02E-07	0.000402
-32	0.000170	0.16960	169.6	0.0000763	0.0763	76.3	76300	7.63E-06	0.00763	7.63	7630	0.0004499	0.4498747	449.87472	3.192E-06	3.19E-07	0.000319
-33	0.000151	0.15115	151.1	0.0000606	0.0606	60.6	60600	6.06E-06	0.00606	6.06	6060	0.0004009	0.4009273	400.92731	2.536E-06	2.54E-07	0.000254
-34	0.000135	0.13466	134.7	0.0000481	0.0481	48.1	48100	4.81E-06	0.00481	4.81	4810	0.0003572	0.3571921	357.19211	2.013E-06	2.01E-07	0.000201

### 3 – EMF UNIT CONVERSION / EQUIVALENT CHART – CEM TABLE CONVERSION / ÉQUIVALENCE

dBm	kV/m	V/m	mV/m	W/m <sup>2</sup>	mW/m <sup>2</sup>	μW/m <sup>2</sup>	nW/m <sup>2</sup>	mW/cm <sup>2</sup>	μW/cm <sup>2</sup>	nW/cm <sup>2</sup>	pW/cm <sup>2</sup>	A/m	mA/m	μA/m	mGauss	μT	nT
-35	0.000120	0.12001	120.0	0.0000382	0.0382	38.2	38200	3.82E-06	0.00382	3.82	3820	0.0003183	0.3183179	318.31786	1.598E-06	1.6E-07	0.00016
-36	0.000107	0.10706	107.1	0.0000304	0.0304	30.4	30400	3.04E-06	0.00304	3.04	3040	0.000284	0.2839659	283.96585	1.272E-06	1.27E-07	0.000127
-37	9.53E-05	0.09532	95.32	0.0000241	0.0241	24.1	24100	2.41E-06	0.00241	2.41	2410	0.0002528	0.2528354	252.83538	1.008E-06	1.01E-07	0.000101
-38	8.51E-05	0.08508	85.08	0.0000192	0.0192	19.2	19200	1.92E-06	0.00192	1.92	1920	0.0002257	0.2256732	225.67318	8.033E-07	8.03E-08	8.03E-05
-39	7.57E-05	0.07570	75.70	0.0000152	0.0152	15.2	15200	1.52E-06	0.00152	1.52	1520	0.0002008	0.2007942	200.79418	6.36E-07	6.36E-08	6.36E-05
-40	6.75E-05	0.06754	67.54	0.0000121	0.0121	12.1	12100	1.21E-06	0.00121	1.21	1210	0.0001792	0.1791521	179.15214	5.063E-07	5.06E-08	5.06E-05
-41	6.02E-05	0.06016	60.16	0.0000096	0.0096	9.6	9600	9.6E-07	0.00096	0.96	960	0.0001596	0.159575	159.57503	4.017E-07	4.02E-08	4.02E-05
-42	5.36E-05	0.05363	53.63	7.63E-06	0.00763	7.63	7630	7.63E-07	0.000763	0.763	763	0.0001423	0.1422629	142.26288	3.192E-07	3.19E-08	3.19E-05
-43	4.78E-05	0.04780	47.80	6.06E-06	0.00606	6.06	6060	6.06E-07	0.000606	0.606	606	0.0001268	0.1267843	126.78435	2.536E-07	2.54E-08	2.54E-05
-44	4.26E-05	0.04258	42.58	4.81E-06	0.00481	4.81	4810	4.81E-07	0.000481	0.481	481	0.000113	0.1129541	112.95406	2.013E-07	2.01E-08	2.01E-05
-45	3.79E-05	0.03795	37.95	3.82E-06	0.00382	3.82	3820	3.82E-07	0.000382	0.382	382	0.0001007	0.1006609	100.66095	1.598E-07	1.6E-08	1.6E-05
-46	3.39E-05	0.03385	33.85	3.04E-06	0.00304	3.04	3040	3.04E-07	0.000304	0.304	304	8.98E-05	0.0897979	89.797887	1.272E-07	1.27E-08	1.27E-05
-47	3.01E-05	0.03014	30.14	2.41E-06	0.00241	2.41	2410	2.41E-07	0.000241	0.241	241	7.995E-05	0.0799536	79.953567	1.008E-07	1.01E-08	1.01E-05
-48	2.69E-05	0.02690	26.90	1.92E-06	0.00192	1.92	1920	1.92E-07	0.000192	0.192	192	7.136E-05	0.0713641	71.364124	8.033E-08	8.03E-09	8.03E-06
-49	2.39E-05	0.02394	23.94	1.52E-06	0.00152	1.52	1520	1.52E-07	0.000152	0.152	152	6.35E-05	0.0634967	63.496695	6.36E-08	6.36E-09	6.36E-06
-50	2.14E-05	0.02136	21.36	1.21E-06	0.00121	1.21	1210	1.21E-07	0.000121	0.121	121	5.665E-05	0.0566529	56.652882	5.063E-08	5.06E-09	5.06E-06
-51	1.9E-05	0.01902	19.02	9.6E-07	0.00096	0.96	960	9.6E-08	0.000096	0.096	96	5.046E-05	0.0504621	50.462056	4.017E-08	4.02E-09	4.02E-06
-52	1.7E-05	0.01696	16.96	7.63E-07	0.000763	0.763	763	7.63E-08	7.63E-05	0.0763	76.3	4.499E-05	0.0449875	44.987472	3.192E-08	3.19E-09	3.19E-06
-53	1.51E-05	0.01511	15.11	6.06E-07	0.000606	0.606	606	6.06E-08	6.06E-05	0.0606	60.6	4.009E-05	0.0400927	40.092731	2.536E-08	2.54E-09	2.54E-06
-54	1.35E-05	0.01347	13.47	4.81E-07	0.000481	0.481	481	4.81E-08	4.81E-05	0.0481	48.1	3.572E-05	0.0357192	35.719211	2.013E-08	2.01E-09	2.01E-06
-55	1.2E-05	0.01200	12.00	3.82E-07	0.000382	0.382	382	3.82E-08	3.82E-05	0.0382	38.2	3.183E-05	0.0318318	31.831786	1.598E-08	1.6E-09	1.6E-06
-56	1.07E-05	0.01071	10.71	3.04E-07	0.000304	0.304	304	3.04E-08	3.04E-05	0.0304	30.4	2.84E-05	0.0283966	28.396585	1.272E-08	1.27E-09	1.27E-06
-57	9.53E-06	0.00953	9.53	2.41E-07	0.000241	0.241	241	2.41E-08	2.41E-05	0.0241	24.1	2.528E-05	0.0252835	25.283538	1.008E-08	1.01E-09	1.01E-06
-58	8.51E-06	0.00851	8.508	1.92E-07	0.000192	0.192	192	1.92E-08	1.92E-05	0.0192	19.2	2.257E-05	0.0225673	22.567318	8.033E-09	8.03E-10	8.03E-07
-59	7.57E-06	0.00757	7.570	1.52E-07	0.000152	0.152	152	1.52E-08	1.52E-05	0.0152	15.2	2.008E-05	0.0200794	20.079418	6.36E-09	6.36E-10	6.36E-07
-60	6.75E-06	0.00675	6.754	1.21E-07	0.000121	0.121	121	1.21E-08	1.21E-05	0.0121	12.1	1.792E-05	0.0179152	17.915214	5.063E-09	5.06E-10	5.06E-07
-61	6.02E-06	0.00602	6.016	9.6E-08	0.000096	0.096	96.0	9.6E-09	9.6E-06	0.0096	9.6	1.596E-05	0.0159575	15.957503	4.017E-09	4.02E-10	4.02E-07
-62	5.36E-06	0.00536	5.363	7.63E-08	0.0000763	0.0763	76.3	7.63E-09	7.63E-06	0.00763	7.63	1.423E-05	0.0142263	14.226288	3.192E-09	3.19E-10	3.19E-07
-63	4.78E-06	0.00478	4.780	6.06E-08	0.0000606	0.0606	60.6	6.06E-09	6.06E-06	0.00606	6.06	1.268E-05	0.0126784	12.678435	2.536E-09	2.54E-10	2.54E-07
-64	4.26E-06	0.00426	4.258	4.81E-08	0.0000481	0.0481	48.1	4.81E-09	4.81E-06	0.00481	4.81	1.13E-05	0.0112954	11.295406	2.013E-09	2.01E-10	2.01E-07
-65	3.79E-06	0.00379	3.795	3.82E-08	0.0000382	0.0382	38.2	3.82E-09	3.82E-06	0.00382	3.82	1.007E-05	0.0100661	10.066095	1.598E-09	1.6E-10	1.6E-07
-66	3.39E-06	0.00339	3.385	3.04E-08	0.0000304	0.0304	30.4	3.04E-09	3.04E-06	0.00304	3.04	8.98E-06	0.0089798	8.9797887	1.272E-09	1.27E-10	1.27E-07
-67	3.01E-06	0.00301	3.014	2.41E-08	0.0000241	0.0241	24.1	2.41E-09	2.41E-06	0.00241	2.41	7.995E-06	0.0079954	7.9953567	1.008E-09	1.01E-10	1.01E-07
-68	2.69E-06	0.00269	2.690	1.92E-08	0.0000192	0.0192	19.2	1.92E-09	1.92E-06	0.00192	1.92	7.136E-06	0.0071364	7.1364124	8.033E-10	8.03E-11	8.03E-08
-69	2.39E-06	0.00239	2.394	1.52E-08	0.0000152	0.0152	15.2	1.52E-09	1.52E-06	0.00152	1.52	6.35E-06	0.0063497	6.3496695	6.36E-10	6.36E-11	6.36E-08
-70	2.14E-06	0.00214	2.136	1.21E-08	0.0000121	0.0121	12.1	1.21E-09	1.21E-06	0.00121	1.21	5.665E-06	0.0056653	5.6652882	5.063E-10	5.06E-11	5.06E-08