

Supplementary Table 1: Calibration Data for MF Strength vs. Power

Supply Parameters

Voltage (V)	B_xyz (μT)	Voltage (V)_2	B_xyz (μT)_2
0.11	9.02	3.61	272.28
0.21	16.46	3.71	279.64
0.31	23.97	3.81	286.8
0.41	31.48	3.91	294.43
0.51	38.97	4.01	300.57
0.61	46.39	4.11	309.42
0.71	53.7	4.21	316.96
0.81	61.12	4.31	324.5
0.91	68.47	4.41	332.04
1.01	75.5	4.51	339.58
1.11	82.8	4.61	347.12
1.21	89.89	4.71	354.66
1.31	97.08	4.81	362.2
1.41	104.46	4.91	369.74
1.51	111.76	5.01	377.28
1.61	118.8	5.11	384.82
1.71	126.2	5.21	392.36
1.81	133.8	5.31	399.9
1.91	141.54	5.41	407.44
2.01	149.28	5.51	414.98
2.21	164.78	5.71	430.06
2.41	180.32	5.91	445.14
2.61	195.7	6.11	460.22

2.81	211.22	6.31	475.3
3.01	226.63	6.51	490.38
3.21	241.89	6.71	505.46
3.31	249.66	6.81	513.0
3.41	257.4	6.91	520.54
3.51	264.87	7.01	528.08

DAQami software was used to record and analyze the data.