

Exhibit 4 -- H Field data

Product			AM LOOP					
Power Pack			ADS 216 Production					
FCC ID:			BVCUMADSNE					
date:			10/15/02					
EMC Staff:			dju					
Voltage			120 V 60 Hz					
Mode			Frequency Hopping (57.8/58.2 kHz)					
Tx current (configurator)			7.2 / 7.4					
Tx current (clamp)			8.2 / 8.4					
Loop Size			Main Loop -- 6' x 8'; "L" section -- 6' x 2'					
								FCC
Freq	S.A.	S.A.	Det	BW	Ant Fact	DCF	Actual	Limit
kHz	dBuV	dBuV			dB	dB	dBuV/m	dBuV/m
58/10		73						
58/20		55						
58/30								
58(pwr-15%)		73						
58(pwr+15%)		73						
58	53	73	ave/pk	9kHz	62.5	-88.6	26.9	32.3/300
116	-5		ave	9kHz	56.6	-88.6	-37.0	26.3/300
174	18		ave	9kHz	53.1	-88.6	-17.5	22.8/300
232	-8		ave	9kHz	50.6	-88.6	-46.0	20.3/300
290	8		ave	9kHz	48.7	-88.6	-31.9	18.4/300
348	-10		ave	9kHz	47.1	-88.6	-51.5	16.8/300
406	5		ave	9kHz	45.7	-88.6	-37.9	15.4/300
464	-13		ave	9kHz	44.6	-88.6	-57.0	14.3/300
522	7		qp	9kHz	43.5	-28.6	21.9	33.3/30
580	-2		qp	9kHz	42.6	-28.6	12.0	32.3/30
DCF: Use square law (40 dB). If "Actual" is non-compliant, determine actual correction factor per formula below.								
Part 3 Calculation of Distance Correction Factor								
Dist_Corr_Factor = 20 log(Test Dist / 300)P = 20 P log (Test Dist / 300)								
Where P is the roll-off exponent . P is found as follows:								
P = (Level(at Distance 1) - Level(at Distance 2)) / 20 log (Distance 2 / Distance 1)								
Center of measurement loop 1 meter.								
System rotated on turntable; measurement loop rotated on vertical and horizontal axis.								
Maximum signal with plane of system parallel to the plane of the measurement loop, "L" away from measurement loop.								
Loop direct to SA for fundamental.								
Loop to hp filter, to preamp, to SA for harmonics.								