



3.2. OUTPUT POWER TEST EQUIPMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Spectrum Analyzer	HP	8593EM	6/11/03
LP Antenna	EMCO	3146	8/22/03
Dipole Antenna	COMPLIANCE DESIGN	ROBERTS	5/8/03
Signal Generator	R & S	SMP04	5/25/03

3.3. MEASUREMENT RESULT

Freq. (MHz)	SA Reading (dBuV)	SG Setting (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	ERP Result (dBm)	Limit (dBm)	Margin (dBm)	Pol (H/V)
Fundamental measurement:								
216.53	86.80	0.00	0.00	0.30	-0.30	20.00	-20.30	3mH
216.53	84.60	5.00	0.00	0.30	4.70	20.00	-15.30	3mV

Maximum Output Power (ERP): 4.7dBm = 0.00295 W



4.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Modulation Analyzer	HP	8901b	5/30/02
Attenuator	MINI CIRCUITS	MCL BW-S10W2	N/A
Audio Signal Generator	HP	3325A	2/1/03

4.4. MEASUREMENT RESULT



9.3. MEASUREMENT RESULT

						Project #: 02U1683-1 Report #: 021218C1 Date & Time: 12/18/02 1:51 PM Test Engr: William Zhuang					
FCC, VCCI, CISPR, CE, AUSTEL, UL, CSA, TUV, BSMI, DHHS, NVLAI 561F MONTEREY ROAD, SAN JOSE, CA 95037-90 PHONE: (408) 463-0888 FAX: (408) 463-0888											
Company: Phonic Ear Inc.											
EUT Description: Wireless Directional Microphone Array (216 - 217MHz)											
Test Configuration : EUT/Support Peripherals											
Type of Test: FCC Class B											
Mode of Operation: Transmitting											

A-Site

B-Site

C-Site

F-Site

6 Worst Data

Descending

Freq.	Reading	AF	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark
(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC_B	(dB)	(H/V)	(Deg)	(Meter)	(P/Q/A)
100.00	51.00	10.15	2.40	28.45	35.10	43.50	-8.40	3mH	0.00	1.50	P
300.00	45.00	12.96	4.21	27.90	34.27	46.00	-11.73	3mH	0.00	1.20	P
140.00	49.00	11.01	2.84	28.31	34.54	43.50	-8.96	3mV	0.00	1.00	P
100.00	51.00	10.15	2.40	28.45	35.10	43.50	-8.40	3mV	0.00	1.00	P
300.00	43.00	12.96	4.21	27.90	32.27	46.00	-13.73	3mV	0.00	1.00	P
400.00	42.00	15.85	4.96	28.53	34.28	46.00	-11.72	3mV	0.00	1.00	P
Total data #: 6											
V.2b											



CONDUCTED EMISSIONS DATA (115VAC 60Hz)									
Freq.	Reading			Closs	Limit	EN_B	Margin		Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2
0.30	46.12	--	--	0.00	61.71	51.71	-15.59	-5.59	L1
0.99	40.68	--	--	0.00	56.00	46.00	-15.32	-5.32	L1
1.21	41.06	--	--	0.00	56.00	46.00	-14.94	-4.94	L1
0.30	50.40	--	48.77	0.00	61.71	51.71	-11.31	-2.94	L2
1.17	40.32	--	--	0.00	56.00	46.00	-15.68	-5.68	L2
3.29	39.52	--	--	0.00	56.00	46.00	-16.48	-6.48	L2
6 Worst Data									

