

DATA SHEET

PHILIPS CONSUMER ELECTRONICS COMPANY
EMI LAB
P.O. BOX 14810
KNOXVILLE, TENNESSEE 37914-1810
TEL: (423)-521-4720 FAX: (423)-521-4786

OPEN FIELD RADIATION MEASUREMENT FCC CLASS "B" LIMITS

REPORT #: 10081-2
MANUFACTURE: TEN-TEC
MODEL #: 526
DATE: 3/29/01
SUPPORT EQUIPMENT
2 METER BAND

DELTA REFERS TO THE dB DIFFERENCE BETWEEN THE HORIZONTAL OR VERTICAL READING AND THE dB LIMIT AT THAT FREQUENCY.

THE FOLLOWING ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED EXCEPT AS NOTED BY "QP".

"QP" = QUASI PEAK READING AT THAT FREQUENCY

SPECTRUM ANALYZER SETTINGS:

RBW: 100KHz

VBW: 100KHz

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA W/ 3-METER

NOTE!! "FAILURE" INDICATES THAT THE DEVICE EXCEEDS THE FCC CLASS "B" LIMIT AT THAT FREQUENCY

FREQ. (MHz)	HORZ. dBuV/m	VERT. dBuV/m	H DELTA (dBuV)	V DELTA (dBuV)	LIMIT CLASS "B"	FREQ. STATUS
136	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
91	AMBIENT	37.2	NO DELTA	-6.3	43.5	
182	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
273	31.05	31.9	-14.95	-14.1	46	
364	31.55	30.6	-14.45	-15.4	46	
455	34.15	33.35	-11.85	-12.65	46	
546	33.4	34.95	-12.6	-11.05	46	
637	32.8	36.8	-13.2	-9.2	46	
728	32.4	34.65	-13.6	-11.35	46	
819	34	36.25	-12	-9.75	46	
910	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46	
155	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
110	23.4	32.1	-20.1	-11.4	43.5	
220	31.8	30.7	-14.2	-15.3	46	
330	40.45	34.3	-5.55	-11.7	46	
440	38.5	36.45	-7.5	-9.55	46	
550	38.4	41.75	-7.6	-4.25	46	
660	45.6	45.65	-0.4	-0.35	46	
660	40.15	41.65	-5.85	-4.35 QP	46	(QP)
770	44.7	47.05	-1.3	1.05	46	
770	40.05	43.9	-5.95	-2.1 QP	46	
880	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46	

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990	37	39.4	-9	-6.6	46
174	AMBIENT	AMBIENT	NO DELTANO DELTA		43.5
129	22.8	26.5	-20.7	-17	43.5
258	24.7	26.5	-21.3	-19.5	46
387	32.85	31.7	-13.15	-14.3	46
516	37.15	41.4	-8.85	-4.6	46
645	AMBIENT	AMBIENT	NO DELTANO DELTA		46
774	38.5	45.3	-7.5	-0.7	46
774	34.8	41.25	-11.2	-4.75	46
903	33.7	34.6	-12.3	-11.4	46

(QP)

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MODEL #: 526
DATE: 3/29/01
SUPPORT EQUIPMENT
6 METER BAND

DELTA REFERS TO THE dB DIFFERENCE BETWEEN THE HORIZONTAL OR VERTICAL READING AND THE dB LIMIT AT THAT FREQUENCY.

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50	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
95	34.5	38.9	-9	-4.6	43.5	
190	AMBIENT	23.5	NO DELTA	-20	43.5	
285	27.4	30.6	-18.6	-15.4	46	
380	30	28.2	-16	-17.8	46	
475	29	30.7	-17	-15.3	46	
570	33	36.8	-13	-9.2	46	
665	36	41.95	-10	-4.05	46	
760	36.75	38.85	-9.25	-7.15	46	
855	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46	
950	32.8	AMBIENT	-13.2	NO DELTA	46	
52	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
97	32.1	34.6	-11.4	-8.9	43.5	
194	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
291	26.6	28	-19.4	-18	46	
388	32.4	29.5	-13.6	-16.5	46	
485	28	29.1	-18	-16.9	46	
582	33.65	38.15	-12.35	-7.85	46	
679	33.3	40.2	-12.7	-5.8	46	
776	36.55	40.9	-9.45	-5.1	46	
873	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46	
970	AMBIENT	34	NO DELTA	-12	46	

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54	AMBIENT	AMBIENT	NO DELTANO	DELTA	40
99	35.3	40.3	-8.2	-3.2	43.5
198	AMBIENT	AMBIENT	NO DELTANO	DELTA	43.5
297	28.1	28.9	-17.9	-17.1	46
396	27.2	28.5	-18.8	-17.5	46
495	29.3	34	-16.7	-12	46
594	36.6	40.55	-9.4	-5.45	46
693	34.65	40.4	-11.35	-5.6	46
792	36.7	38.1	-9.3	-7.9	46
891	AMBIENT	AMBIENT	NO DELTANO	DELTA	46
990	35.5	35.8	-10.5	-10.2	46