PHILIPS

Philips Consumer Electronics Company

MEASUREMENT TECHNICAL REPORT
FOR
TEN-TECH, INC.

1185 Dolly Parton Pkwy.
Sevierville, TN 37862
Attention: Mr. Gary Barbour

MODEL SC150Y
FCC ID: DJ7-150-2

March 26, 1999

This report concerns: FCC Certification of a Class B Computer Peripheral
(ref. FCC Part 15, Subpart B)
(ref. ANSI C63.4-1992)

This report was prepared by:

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PCEC REPORT #90551-2
FCC ID: DJ7-150-2

Engineering Statement

All measurement data on the attached reports was taken pursuant to FCC Rules and Regulations (Part 15, Sub-part A., 15.31 (a) (6) - Digital Device Test Procedures) on the Philips Consumer Electronics Company site at Knoxville, Tennessee, which is recognized by the FCC. Although this data is taken under stringent laboratory conditions and to the best of our knowledge, represents accurate data, it must be recognized that emissions from this type equipment may be greatly affected by the final installation of the equipment. Therefore, Philips Consumer Electronics Company, while supporting the accuracy of the data in this report, takes no responsibility for use of equipment based on these tests. The manufacturer of this equipment must take full responsibility for any field problems which may arise, and agrees that Philips Consumer Electronics Company, in performing its functions in accordance with its objectives and purposes, does not assume or undertake to discharge any responsibility of the manufacturer to any other party or parties.

The measurement report was compiled and approved by:

Richard K. Moyers
Lead Business coordinator, EMI/EMC

Fred A. Fisher
Manager Regulatory FCC/DOC

SYSTEM TEST CONFIGURATION

PCEC REPORT #90551-2

FCC ID: DJ7-150-2

TEN-TEC proposes to market a computer interface only, to be installed in an already FCC approved product, Uniden SportCat scanning receiver model SC150Y, FCC ID AMWUB268A. With this submission, TEN-TEC is providing technical information, schematics and operating instructions only for the item we plan to manufacture, the computer interface. TEN-TEC does not have access to the technical information, schematics and operating instructions for the Uniden receivers which are already on file with the FCC as part of Uniden's original submission and subsequent grant.

In-order to determine compliance, the SC150Y was tested in (2) modes of operation:

Mode 1: Stand alone (Scanner only)
Mode 2: Computer Peripheral

Testing as a computer peripheral, was performed using the following:

TYPE	MFG.	MODEL	S/N	FCC ID
Computer:	HP	D4594B	US73708928	DTPC-01
Monitor:	Philips	CM1215 D101	LCA50820106	A3KMO55
Keyboard:	HP	SK-2502	M970645423	GYUR41SK
Mouse:	HP	M-S34	LCA50820106	DZL210472
Printer:	HP	C4582A	CN7AA1K030	B94C2164X
Modem:	Note no modem was utilized, as that the EUT was a Serial device.			

Testing as a stand alone device was performed utilizing the scanner's normal mode of operation. Measurements were performed using the lo, mid, and hi frequencies for all bands of operation; and included the fundamental frequencies and all harmonics.

Ten-Tec Modifications to Uniden SportCat SC150 Series Scanners

The modification made by Ten-Tec to the Uniden SportCat Series of scanners is intended to add a Personal Computer Interface without modifying or compromising the existing RF performance. This modification requires that an additional circuit board be placed into the scanner housing with solder connections made only for power and ground. A special, flexible conductive material on the add-in board makes additional connections to the existing keypad circuit board. No component or assembly of the existing scanner is modified in any way.

The new circuit board which Ten-Tec has designed for the SportCat scanner is intended to be placed between the existing rubberized keypad and keypad circuit board. A microprocessor on the add-in board has been designed to duplicate the action of pressing a key on the keypad. Output pins on the microprocessor are interfaced to row and column signals on the existing keypad. A host PC connected to the add-in board via a special cable can fully duplicate the keypad interface. This allows the host PC to program the scanner as if it had been programmed from the keypad. The ability of the host PC to control the scanner is limited to those features that are presently available on the keypad. It is impossible to affect performance or receiver limitations through keypad activity.

An additional feature of the add-in board is the ability of the microprocessor to detect the host PC connection at power-up. If a host PC is connected to the scanner when power is turned on, the onboard microprocessor will remain active until power is turned off. This allows the host PC to program the scanner memories via the interface cable. If, on the other hand, the microprocessor did not detect a host PC at power-up the microprocessor would turn off its onboard oscillator and enter an extremely low power mode. This process will help reduce any burden the add-in board would place on the scanner's power supply.

The Ten-Tec add-in board is inserted into the scanner by the following process.....

1) Fully disassemble the scanner, including removal of the keypad PCB and rubber keypad.
2) Place the Ten-Tec board on top of the existing keypad circuit board.
3) Using a soldering iron, connect ground and power from the existing keypad board to the Ten-Tec board.
4) Drill a hole and mount the 3.5-mm phone jack into the case.
5) Connect 2 wires from the Ten-Tec board to the mounted jack using a soldering iron.
6) Reassembly is the reverse of disassembly.

TEST PROCEDURE
(ANSI C63.4 - 1992)

PCEC REPORT #90551-2
FCC ID: DJ7-150-2

ACRONYMS

(E.M.I.) Electromagnetic Interference
(E.U.T.) Equipment Under Test
(L.I.S.N.) Line Impedance Stabilizing Network

PROCEDURE-CONDUCTED LINE EMISSIONS

The EUT was placed in an un-lined screen room, 80 cm above the (2) 50/250 microhenry LISN's. The AC power leads were connected to two (2) 50/250 microhenry L.I.S.N.s. The system was energized and placed into its normal operating mode. The 50 ohm output of the L.I.S.N., was connected to the HP8566B RF Spectrum Analyzer. The spectrum was observed from 450 KHz to 30 MHz to identify the frequency of the emission that had the highest amplitude relative to the limit. For each mode of operation and for each current carring conductor, cable and/or wire manipulation was performed while observing the spectrum analyzer. For this series of tests the emission that had the highest amplitude relative to the limit was recorded.

Based on the preliminary tests, the EUT, and the cable and/or wire configuration and mode of operation which produced the highest emission relative to the limit was selected for the final AC powerline conducted emissions test. The final test on all current carrying conductors of the power cords that comprise the EUT was performed without variation of the configuration determined during the preliminary tests.

The X-Y plots of EMI generated by the E.U.T. were taken. The 6 highest readings from 450 KHz - 30 MHz for each side of the line are recorded. Unless otherwise specified, all Conducted Emissions are recorded as "PEAK" spectrum analyzer readings.

Equipment Used During Testing:

HP 8566B	s/n: 6612	Spectrum Analyzer
HP 85650A	s/n: 1001	Quasi-Peak Adapter
HP 85685A	s/n: 0627	RF Pre-selector
Fisher 50/250uH	s/n: 10 & 11	LISN

PROCEDURE-SPURIOUS RADIATION

The EUT was placed on a rotatable metal turntable mounted level with the metal ground plane of the 3 meter test site. The receiving antenna was connected to the 50 Ω input of the HP8566B spectrum analyzer. The EUT was powered by a 110 VAC supply, and was configured into it's normal operational mode.

The 30 to 40 MHZ band was observed on the spectrum analyzer while the EUT power and control leads were adjusted to maximize emissions. The peak frequencies for this band were recorded. This search for emissions continued from 40 MHZ up to the upper frequency required per FCC 15.33 (b) (1).

The receiving antennas were varied in height from 1 to 4 meters and the remote turntable was rotated 360° to find the maximum emissions. This test was performed for all modes of operation.

For all measured frequencies above 999MHZ the Conical Log Spiral antenna and/or the Double Ridged Guide Antenna was placed 3-meters away from the system on a 4-meter fiberglass mast. The receiving antenna was connected to an HP8566B spectrum analyzer via 100 ft. of 50ohm Heliax (wave guide) cable.

All significant emissions are reported on the attached data report. To verify that the E.M.I. emissions measured were generated by the E.U.T., the system power was interrupted at peak reading while observing the Spectrum Analyzer. Unless otherwise specified, all Radiated Emissions are recorded as "PEAK" spectrum analyzer readings. The Radiated Field Strength was calculated as follows: Maximum Emission Received (dB) + Antenna Factor (dB) + Cable Loss (dB) = Field Strength dBuv/Meter.

Equipment Used During Testing:

HP 8566B	s/n: 6612	Spectrum Analyzer
HP 85650A	s/n: 1001	Quasi-Peak Adapter
HP 85685A	s/n: 0627	RF Pre-selector
EMCO 3110	s/n: 1679	Bicon Antenna
EMCO 3146	s/n: 1549	Log-Periodic Antenna
Eaton NM17/27A	s/n: 3355	Field Intensity Meter
Eaton NM 37/57A	s/n: 3356	Field Intensity Meter
Eaton CCA7	s/n: 3080	Quasi-Peak Adapter

w/ FERRITE ON AC ADAPTER (STEWARD P.N. 28B2025-040)

REPORT #90551-2 SCANNER ONLY IN LISN

hp REF 495 µV ATTEN 10 dB

MKR 16.17 MHz
174 µV

LINEAR

LIMIT CLASS B

CONDUCTED LINE RADIATION

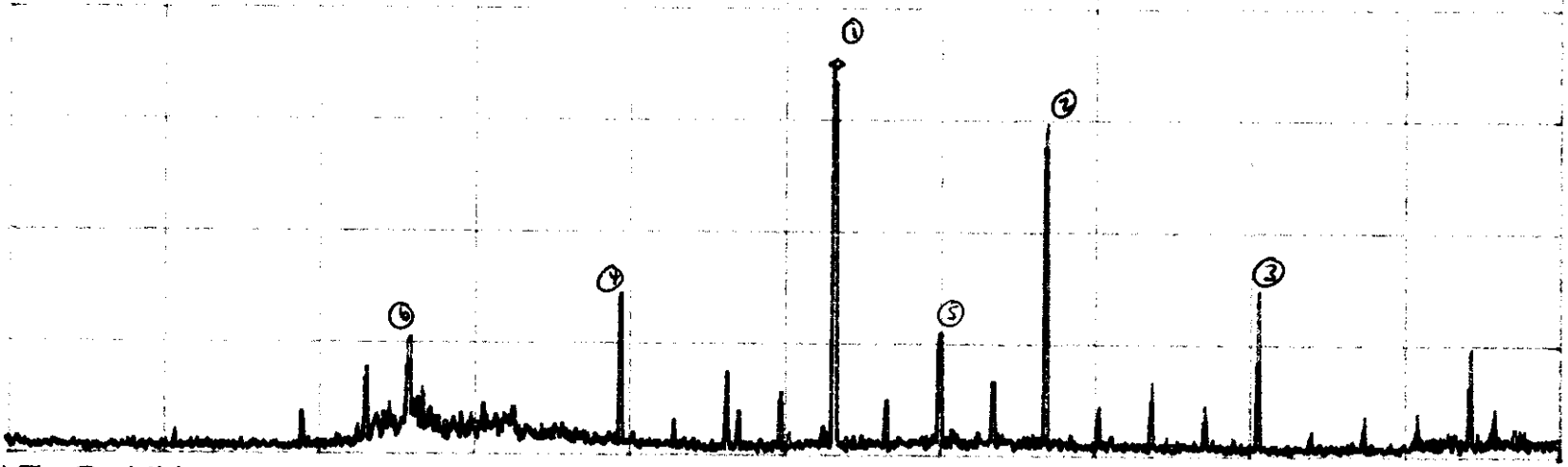
MODEL ---SC150Y---- MFG --TEN-TEC-- DATE 3/22/99 *

SIDE BOTH

① 16.17 M. 174 µV
② 20.25 M 148 µV
③ 24.27 M 72.8 µV
④ 12.15 M 71.8 µV
⑤ 18.24 M 54.5 µV
⑥ 8.13 M 52.5 µV

DL 250 µV

CLASS 'B' LIMIT



CENTER 15.2 MHz

SPAN 29.6 MHz

RES BW 10 kHz VBW 10 kHz SWP 887 msec

W/FERRITE ON AC ADAPTER (STEWARD P.N. 28B2025-0A0)

REPORT #90551-2 ENTIRE SYSTEM IN LISN

hp REF 495 µV ATTEN 10 dB

MKR 450 kHz
111 µV

LINEAR

LIMIT CLASS B

CONDUCTED LINE RADIATION

MODEL ---SC150Y--- MFG --TEN-TEC-- DATE 3/22/99

SIDE BOTH

① 450 KHz 111 µV
③ 20.25 M 88.2 µV
③ 28.82 M 67.9 µV
④ 24.3 M 44.6 µV
⑤ 8.1 M 24.3 µV
⑥ 19.21 M 21.3 µV

DL 250 µV

CLASS 'B' LIMIT

START 450 kHz

STOP 30.0 MHz

RES BW 10 kHz VBW 10 kHz SWP 887 msec

DATA SHEET

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OPEN FIELD RADIATION MEASUREMENT FCC CLASS "B" LIMITS

REPORT #: 90551-2
MANUFACTURE: Ten-Tec
MODEL # SC150Y
DATE: 3/16/99
SUPPORT EQUIPMENT

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	
29.69	33.64188	39.24188	-6.35812	-0.75812	40		
29.69	29.14188	34.94188	-10.8581	-5.05812	40		(QP)
35.36	32.28335	40.68335	-7.71665	0.683347	40	FAILURE	
35.36	37.23335	37.48335	-2.76665	-2.51665	40		(QP)
42.23	24.08283	32.08283	-15.9172	-7.91717	40		
44.33	22.51569	30.91569	-17.4843	-9.08431	40		
57.31	41.27192	36.87192	1.271915	-3.12808	40	FAILURE	
57.31	37.37192	32.87192	-2.62808	-7.12808	40		(QP)
141.17	27.32386	29.82386	-16.1761	-13.6761	43.5		
143.24	26.73503	27.03503	-16.765	-16.465	43.5		
166.11	34.36608	30.46608	-9.13392	-13.0339	43.5		
188.81	34.6	19.8	-8.9	-23.7	43.5		
223.68	26.29748	20.19748	-19.7025	-25.8025	46		
232.51	27.72523	25.42523	-18.2748	-20.5748	46		
240.02	27.74711	29.94711	-18.2529	-16.0529	46		
265.76	26.43882	27.63882	-19.5612	-18.3612	46		
282.33	28.22416	25.72416	-17.7758	-20.2758	46		
288.03	33.94892	30.44892	-12.0511	-15.5511	46		
298.97	27.42171	27.42171	-18.5783	-18.5783	46		
332.18	31.96138	31.46138	-14.0386	-14.5386	46		
336.13	30.40173	29.00173	-15.5983	-16.9983	46		
349.54	21.43401	31.53401	-24.566	-14.466	46		
365.38	30.96793	29.66793	-15.0321	-16.3321	46		

384.04	37.38998	33.88998	-8.61002	-12.11	46
386.58	29.79878	24.29878	-16.2012	-21.7012	46
391.58	38.80953	30.80953	-7.19047	-15.1905	46
431.87	35.77317	33.47317	-10.2268	-12.5268	46
441.05	37.53439	30.53439	-8.46561	-15.4656	46
446.91	41.99974	32.59974	-4.00026	-13.4003	46
493.38	43.56014	43.96014	-2.43986	-2.03986	46
498.3	38.67063	38.17063	-7.32937	-7.82937	46
531.53	38.15412	41.65412	-7.84588	-4.34588	46
545.5	28.52526	27.62526	-17.4747	-18.3747	46
564.75	27.96715	30.76715	-18.0328	-15.2328	46
631.07	28.44196	30.74196	-17.558	-15.258	46
652.43	28.74081	27.84081	-17.2592	-18.1592	46
727.76	40.06631	41.16631	-5.93369	-4.83369	46
730.77	32.69584	32.19584	-13.3042	-13.8042	46
789.35	37.9441	36.6441	-8.0559	-9.3559	46
996.68	43.26862	44.46862	-2.73138	-1.53138	46

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OPEN FIELD RADIATION MEASUREMENT FCC CLASS "B" LIMITS

REPORT #:	90552-2
MANUFACTURE:	Ten-Tec
MODEL #	SC150Y
DATE:	3/19/99
SUPPORT EQUIPMENT	Harmonics

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
29	30	AMBIENT	23.64188	NO DELTA	-16.3581	40	
	58	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	87	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	116	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	145	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	174	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
29.35	30	AMBIENT	24.54188	NO DELTA	-15.4581	40	
	58.7	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	88.05	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	117.4	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	146.75	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	176.1	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
29.9	30	23.24188	23.24188	-16.7581	-16.7581	40	
	59.4	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	89.1	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	118.8	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	148.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	178.2	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	39.85	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	79.7	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40	
	119.55	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	159.4	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	
	199.25	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5	

239.1	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
50	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40				
100	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
150	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
200	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
250	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
300	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
52	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40				
104	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
156	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
208	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
260	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
312	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
54	AMBIENT	AMBIENT	NO DELTA	NO DELTA	40				
108	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
162	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
216	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
270	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
324	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
108	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
216	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
324	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
432	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
540	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
648	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
122.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
245	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
367	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
490	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
612.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
735	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
137	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
274	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
411	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
548	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
685	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
822	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
140.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
281	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
421.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
562	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
702.5	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
843	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
144	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
288	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
432	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
576	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
720	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
864	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
146	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
292	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				

438	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
584	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
730	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
876	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
148	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
296	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
444	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
592	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
740	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
888	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
161	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
322	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
483	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
644	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
805	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
966	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
174	AMBIENT	AMBIENT	NO DELTA	NO DELTA	43.5				
348	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
522	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
696	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
870	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1044	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
406	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
812	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1218	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1624	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2030	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2436	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
413	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
826	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1239	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1652	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2065	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2478	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
420	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
840	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1260	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1680	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2100	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2520	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
435	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
870	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1305	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1740	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2175	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2610	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
450	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
900	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1350	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1800	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2250	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				

2700	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
460	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
920	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1380	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1840	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2300	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2760	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
470	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
940	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1410	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1880	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2350	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2820	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
491	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
982	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1473	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1964	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2455	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2946	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
512	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1024	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1536	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2048	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2560	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
3072	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
806	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1612	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2418	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
3224	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
4030	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
4836	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
881	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1762	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2643	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
3524	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
4405	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
5286	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
956	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
1912	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
2868	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
3824	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
4780	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				
5736	AMBIENT	AMBIENT	NO DELTA	NO DELTA	46				

SUMMARY OF RESULTS
(ANSI C63.4 - 1992)

PCEC REPORT #90551-2

FCC ID: DJ7-150-2

The measurement data (Report #90551-2) indicates the Ten-Tec Inc. Model SC150Y. Scanning Receiver **MEETS** the requirements as set forth by the FCC for Class B Computer Peripherals with the following modifications.

MODIFICATIONS:

.01uF Capacitor added between pins 3 & 6 of PIC16C54B (See Schematic)
Steward Ferrite Model 28B2025-0A0 added to AC Adapter (1 turn @ scanner connector).

Mass production of final instrument systems utilizing the exact electrical/ mechanical components, lead dress, and RF ground paths as tested by PCEC will not likely cause harmful interference to any radio communication, radio navigation or safety services. Any deviation in design from the system tested by our facility will require further verification of FCC Compliance by PCEC.

PHILIPS CONSUMER ELECTRONICS COMPANY

Fred A. Fisher
Manager Regulatory FCC/DOC