

Initial

28 November, 1954  
TEST NUMBER: CXC-

Field strength measurements were conducted on a portable Hand Held 5  
walkie talkie supplied by the customer. ..

Test Description:

The test was conducted in the open field, and two separate tests were  
conducted.

- (1) The first test was with the receiving antenna elevated (1)  
one meter above the ground plane, and separated from the  
walkie talkie by (1) one meter. The walkie talkie was also  
at a (1) one meter height above the ground plane.
- (2) The second test was with the receiving antenna elevated (1)  
one meter above the ground plane, and separated from the  
walkie talkie by (10) ten meters. The walkie talkie was at  
a height of (2) two meters above the ground plane.

Test Data:

Walkie talkie transmit frequency 151.625 MHz  
Receiving antenna used (BY) 8IA-25 S/N 1059

Test (1) measured Field Strength = 3.75 V/M

Test (2) measured Field Strength = 0.87 V/M

\*Recorded data includes antenna and coax factors\*

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29 November, 1983  
 TEST NUMBER: CXO-003

RADIATED SUSCEPTIBILITY DATA:

FREQUENCY MHZ ± 1KHZ	FIELD STRENGTH VOLTS/METER	UNIT UNDER TEST RESPONSE
0.5	10.0	NO RESPONSE
1.0	10.0	"
5.0	10.0	"
10.0	4.5	RFI INHIBIT
15.0	3.5	" "
20.0	5.5	" "
25.0	4.0	" "
30.0	3.5	" "
35.0	4.0	" "
40.0	3.5	" "
45.0	4.0	" "
50.0	3.5	" "
55.0	8.5	" "
60.0	4.5	" "
65.0	3.5	" "
70.0	3.5	" "
75.0	3.0	" "
80.0	3.0	" "
85.0	3.0	" "
90.0	6.5	" "
95.0	3.0	" "
100.0	3.5	" "
105.0	3.5	" "
110.0	8.5	" "
115.0	3.5	" "
120.0	3.0	" "
125.0	10.0	NO RESPONSE
130.0	5.5	RFI INHIBIT
135.0	4.0	" "
140.0	4.0	" "
145.0	3.0	" "
150.0	3.5	" "
155.0	3.0	" "
160.0	3.5	" "
165.0	4.5	" "
170.0	9.0	" "
175.0	6.5	" "
180.0	10.0	NO RESPONSE
185.0	4.0	RFI INHIBIT
190.0	4.5	" "
195.0	10.0	" "
200.0	4.0	" "
205.0	5.0	" "
210.0	5.5	" "
215.0	4.0	" "
220.0	4.5	" "

225.0	3.0	RFI INHIBIT
230.0	3.5	" "
235.0	4.0	" "
240.0	3.0	" "
245.0	3.5	" "
250.0	3.0	" "
255.0	3.5	" "
260.0	3.5	" "
265.0	4.0	" "
270.0	3.5	" "
275.0	3.5	" "
280.0	5.0	" "
285.0	3.0	" "
290.0	6.0	" "
295.0	5.0	" "
300.0	10.0	NO RESPONSE
305.0	10.0	" "
310.0	5.0	RFI INHIBIT
315.0	5.0	" "
320.0	10.0	NO RESPONSE
325.0	10.0	" "
330.0	7.0	RFI INHIBIT
335.0	7.0	" "
340.0	10.0	" "
345.0	10.0	" "
350.0	10.0	NO RESPONSE
355.0	10.0	" "
360.0	10.0	" "
365.0	10.0	" "
370.0	10.0	RFI INHIBIT
375.0	10.0	NO RESPONSE
380.0	10.0	" "
385.0	10.0	" "
390.0	10.0	" "
395.0	10.0	" "
400.0	10.0	" "
405.0	10.0	" "
410.0	10.0	" "
415.0	10.0	" "
420.0	10.0	" "
425.0	10.0	" "
430.0	10.0	" "
435.0	10.0	" "
440.0	10.0	" "
445.0	10.0	" "
450.0	10.0	" "
455.0	10.0	" "
460.0	10.0	" "
465.0	10.0	" "
470.0	10.0	" "
475.0	10.0	" "
480.0	10.0	" "
485.0	10.0	" "
490.0	10.0	" "
495.0	10.0	" "
500.0	10.0	" "
505.0	10.0	" "
510.0	10.0	" "
515.0	10.0	" "
520.0	10.0	" "

525.0	10.0	NO RESPONSE
530.0	10.0	" "
535.0	10.0	" "
540.0	10.0	" "
545.0	10.0	" "
550.0	10.0	" "
555.0	10.0	" "
560.0	10.0	" "
565.0	10.0	" "
570.0	10.0	" "
575.0	10.0	RFI INHIBIT
580.0	10.0	NO RESPONSE
585.0	10.0	" "
590.0	10.0	" "
595.0	9.0	RFI INHIBIT
600.0	10.0	" "
605.0	8.0	" "
610.0	8.5	" "
615.0	9.5	" "
620.0	7.5	" "
625.0	10.0	NO RESPONSE
630.0	10.0	" "
635.0	10.0	" "
640.0	10.0	" "
645.0	10.0	" "
650.0	10.0	" "
655.0	10.0	" "
660.0	10.0	" "
665.0	10.0	" "
670.0	10.0	" "
675.0	10.0	" "
680.0	10.0	" "
685.0	10.0	" "
690.0	10.0	" "
695.0	10.0	" "
700.0	10.0	" "
705.0	10.0	" "
710.0	10.0	" "
715.0	10.0	" "
720.0	10.0	" "
725.0	10.0	" "
730.0	10.0	" "
735.0	10.0	" "
740.0	10.0	" "
745.0	10.0	" "
750.0	10.0	" "
755.0	10.0	" "
760.0	10.0	" "
765.0	10.0	" "
770.0	10.0	" "
775.0	10.0	" "
780.0	10.0	" "
785.0	10.0	" "
790.0	10.0	" "
795.0	10.0	" "
800.0	10.0	" "
805.0	10.0	" "
810.0	10.0	" "
815.0	10.0	" "
820.0	10.0	" "

825.0	10.0	NO	RESPONSE
830.0	10.0	"	"
835.0	10.0	"	"
840.0	10.0	"	"
845.0	10.0	"	"
850.0	10.0	"	"
855.0	10.0	"	"
860.0	10.0	"	"
865.0	10.0	"	"
870.0	10.0	"	"
875.0	10.0	"	"
880.0	10.0	"	"
885.0	10.0	"	"
890.0	10.0	"	"
895.0	10.0	"	"
900.0	10.0	"	"
905.0	10.0	"	"
910.0	10.0	"	"
915.0	10.0	"	"
920.0	10.0	"	"
925.0	10.0	"	"
930.0	10.0	"	"
935.0	10.0	"	"
940.0	10.0	"	"
945.0	10.0	"	"
950.0	10.0	"	"
955.0	10.0	"	"
960.0	10.0	"	"
965.0	10.0	"	"
970.0	10.0	"	"
975.0	10.0	"	"
980.0	10.0	"	"
985.0	10.0	"	"
990.0	10.0	"	"
995.0	10.0	"	"
1000.0	10.0	"	"

TEST WAS A MODIFIED MIL. STD. 461B TEST  
 (TEST RUN WITHOUT A GROUND PLANE TABLE)

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Test equipment utilized for the program reported herein was within its assigned interval of calibration. Details are on file at Digital Equipment Corp. and will be made available upon request.

USED	EQUIPMENT DISCRIPTION	SERIAL NUMBER	CAL CYCLE	LAST
	HP 8640B SIGNAL GENERATOR	2108A15947	6 MONTHS	JUN
	HP 5342A MICROWAVE FREQ. CTR.	2244A06675	1 YEAR	17JAN
X	IFI EFS-1/LMT FIFLD SENSOR	871D/499B	NONE	MFG
X	IFI EFS-1/LMT FIELD SENSOR	872D/500B	NONE	MFG
	IFI EFS-1/LMT FIELD SENSOR	1193E/667B	NONE	MFG
	IFT EFS-1/LMT FIELD SENSOR	1194E/668B	NONE	MFG
X	IFI LPA-2A LEVELING AMP	05812287	NONE	MFG
X	IFT EFG-3 ANTENNA	178	NONE	MFG
X	AMP RESEARCH (AR) 40A12 POWER AMPLIFIER 40 WATT	2544	NONE	MFG
X	AMP RESEARCH (AR) 4W1000 POWER AMPLIFIER 4 WATT	1905	NONE	MFG
	AMP RESEARCH (AR) 100L POWER AMPLIFIER 150 WATT	2111	NONE	MFG
	BOOTON 42B MICROWATT METER	2549	NONE	MFG
	BOOTON 41-4A PWR DETECTOR	3460	NONE	MFG
	SCHAFFNER NSG 200D MAIN FRAME	156	NONE	MFG
	SCHAFFNER NSG 223 PLUGIN	118	NONE	MFG
	ANDY HISH ESD-255 FSD GENERATOR	2029	NONE	MFG
X	JMK INC CISPR III LISN		NONE	MFG
X	PAY PROOF SHIELDED ROOM	5870	NONE	MFG

d i g i t a l

Test equipment utilized for the program reported herein was within its assigned interval of calibration. Details are on file at Digital Equipment Corp. and will be made available upon request.

USED	EQUIPMENT DISCRIPTION	SERIAL NUMBER	NUMERICAL CYCLE	LAST
	HP 8640B SIGNAL GENERATOR	2108A15947	6 MONTHS	JUN
	HP 5347A MICROWAVE FREQ. CTR.	2244A06675	1 YEAR	17JAN
X	IFI EFS-1/LMT FIFLD SENSOR	871D/499B	NONE	MFG
X	IFI EFS-1/LMT FIELD SENSOR	872D/500B	NONE	MFG
	IFI EFS-1/LMT FIELD SENSOR	1193E/667B	NONE	MFG
	IFT EFS-1/LMT FIELD SENSOR	1194E/668B	NONE	MFG
X	IFI LPA-2A LEVELING AMP	05812287	NONE	MFG
X	IFT EFG-3 ANTENNA	178	NONE	MFG
X	AMP RESEARCH (AR) 40A12 POWER AMPLIFIER 40 WATT	2544	NONE	MFG
X	AMP RESEARCH (AR) 4w1000 POWER AMPLIFIER 4 WATT	1905	NONE	MFG
	AMP RESEARCH (AR) 100L POWER AMPLIFIER 150 WATT	2111	NONE	MFG
	BOOTON 42B MICROWATT METER	2549	NONE	MFG
	BOOTON 41-4A PWR DETECTOR	3460	NONE	MFG
	SCHAFFNER NSG 200D MAIN FRAME	156	NONE	MFG
	SCHAFFNER NSG 223 PLUGIN	118	NONE	MFG
	ANDY HISH ESD-255 ESD GENERATOR	2029	NONE	MFG
X	JMK INC CISPR III LISN		NONE	MFG
X	PAY PROOF SHIELDED ROOM	5870	NONE	MFG

d i g i t a l

Test equipment utilized for the program reported herein was within its assigned interval of calibration. Details are on file at Digital Equipment Corp. and will be made available upon request.

USED	EQUIPMENT DESCRIPTION	SERIAL NUMBER	CAL CYCLE	LAST
X	HP 85662A DISPLAY SECTION	2152A03420	6 MONTHS	23JUN
X	HP 85680A RF SECTION	2216A02000	6 MONTHS	23JUN
X	HP 85650A QUASI PEAK ADAPTER	2043A00183	1 YEAR	23JUN
	HP 85662A DISPLAY SECTION	2005A01390	6 MONTHS	AUG
	HP 85680A RF SECTION	2007A00997	6 MONTHS	AUG
	HP 85650A QUASI PEAK ADAPTER	2043A00228	1 YEAR	28MAR
	AILTECH NM-17/27A RECEIVER	0612-03273	6 MONTHS	27SEP
	AILTECH NM-37/57A RECEIVER	0793-03271	6 MONTHS	28SEP
	AILTECH CCA-7 CISPR/ANSI ADAPTER	0180-03273	6 MONTHS	28SEP
X	E-M BIA-25 BICONICAL ANTENNA	1059	1 YEAR	AUG
	E-M BIA-25 BICONICAL ANTENNA	2194	1 YEAR	AUG
	E-M BDA-25 DIPOLE ANTENNA	135	1 YEAR	AUG
	E-M BDA-25 DIPOLE ANTENNA	903	1 YEAR	AUG
	E-M TDS-25-1 DIPOLE ANTENNA	117	1 YEAR	AUG
	E-M TDS-25-2 DIPOLE ANTENNA	117	1 YEAR	AUG
	E-M TDS-25-1 DIPOLE ANTENNA	156	1 YEAR	AUG
	E-M TDS-25-2 DIPOLE ANTENNA	156	1 YEAR	AUG
X	E-M LPA-25 LOG PERIODIC ANTENNA	1087	1 YEAR	AUG
	A-R AT-1000 LOG PERIODIC ANTENNA	2087/007	1 YEAR	AUG
X	E-M LCA-25 SPIRAL LOG ANTENNA	2143	NONE	MFG