FCC ID: G9H2-9930C

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SECURITY CODING INFORMATION

15.214(d) - THIS DEVICE COMPLIES WITH THE SECURITY CODE REQUIRE-MENTS OF 15.214(d)(1)(2) AND (3) BY MEANS OF THE FOLLOWING:

THIS PHONE IS EQUIPPED WITH A DIGITAL SECURITY SYSTEM WITH OVER 1 MILLION CODE COMBINATIONS.

WHEN MAKING A CALL, THE TELEPHONE SEARCHES THROUGH ITS 60 AVAILABLE CHANNELS AUTO CHANNEL SCAN TO FIND THE CLEAEREST ONE.

THE RECEIVER PORTION OF THIS TELEPHONE, FCC ID: G9H2-9930C, WAS TESTED WITH PASSING RESULTS. A VERIFICATION REPORT HAS BEEN ISSUED PER FCC RULES PART 15.109.

TEST EQUIPMENT LIST

- Spectrum Analyzer: Hewlett Packard 8566B Opt 462, w/ preselector 85685A, & Quasi-Peak Adapter HP 85650A, & HP 8449B - OPT HO2 Cal. 6/26/98
- 2. Signal Generator, Hewlett Packard 8640B, cal. 10/1/98
- Eaton Biconnical Antenna Model 94455-1 20-200 MHz Serial No. 0997 Cal. 5/15/98
- 4. Electro-Metric Dipole Kit, 20-1000 MHz, Model TDA-30 10/15/98
- 5. Electro-Metric Horn 1-18 GHz, Model RGA-180, Cal. 8/15/98
- 6. Electro-Metric Antennas Model TDS-25-1, TDS-25-2, 5/15/97
- 7. Electro-Metric Line Impedance Stabilization Network Model No. EM-7821, Serial No. 101; 100KHz-30MHz 50uH. 12/3/97
- 8. Electro-Metric Line Impedance Stabilization Network Model No. EM-7820, Serial No. 2682; 10KHz-30MHz 50uH. 12/3/97
- 9. Special low loss cable was used above 1 GHz
- 10. Tenney Temperature Chamber

TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-1992 using a HEWLETT PACKARD spectrum analyzer with a preselector. The bandwidth of the spectrum analyzer was 100 kHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100KHz and the video bandwidth was 300KHz. The ambient temperature of the UUT was 47oF with a humidity of 52%.

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TEST PROCEDURE (CONT)

ANSI STANDARD C63.4-1992 10.1.7 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The UUT was placed flush with the back of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSIC63.4-1992 with the EUT 40 cm from the vertical ground wall.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-1992 using a 50uH LISN. Both lines were observed. The bandwidth of the spectrum analyzer was $10 \, \text{kHz}$ with an appropriate sweep speed. The ambient temperature of the UUT was $470 \, \text{F}$ with a humidity of $52 \, \text{\%}$.

CIRCUIT_DESCRIPTION:

SEE EXHIBIT 16A-16L.

APPLICANT: Thomson Consumer Electronics, Inc.

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FCC ID: G9H2-9930C (BASE)

NAME OF TEST: RADIATION INTERFERENCE

RULES PART NO.: 15.249

REQUIREMENTS: Carrier frequency will not exceed 94.0 dBuV/m

FREQUENCY LEVEL
__MHz__ __dBuV/M_
902- 928 MHz: 54.0 dBuV/M
ABOVE 960 MHz: 54.0 dBuV/M

TEST DATA:

EMISSION	METER REAL	OING COAX	ANTENNA	FIELD		
FREQUENCY	AT 3 METER	RS LOSS	CORRECTION	STRENGTH	MARGIN	ANT.
MHz	dBuV	dВ	FACTOR dB	dBuV/m@3m	dB	POL.
BASE TUNED	FREQUENCY	902.23MHz				
902.67	43.40	2.90	24.19	70.49	9.51	V
1805.34	8.40	1.00	27.22	36.62	17.38	H
2708.01	0.80	1.14	29.77	31.71	22.29	V
3610.68	0.41	1.27	32.03	33.71	20.29	V
4513.35	0.40	1.41	33.58	35.38	18.62	V
5416.02	0.60	1.54	34.59	36.74	17.26	V
5416.02	0.60	1.54	34.59	36.74	17.26	V
6318.69	2.90	1.68	35.61	40.19	13.81	V
7221.36	2.50	1.81	36.62	40.94	13.06	H
8124.03	3.10	1.95	37.57	42.62	11.38	V
9026.70	2.70	2.05	38.18	42.93	11.07	V
BASE TUNED	FREQUENCY					
903.62	43.20	2.90	24.19	70.29	23.71	V
1807.24	8.30	1.00	27.23	36.53	17.47	H
2710.86	0.90	1.14	29.78	31.81	22.19	V
3614.48	0.80	1.27	32.04	34.11	19.89	V
4518.10	0.25	1.41	33.58	35.24	18.76	V
5421.72	0.60	1.54	34.60	36.74	17.26	V
6325.34	2.50	1.68	35.62	39.80	14.20	V
7228.96	2.50	1.82	36.63	40.95	13.05	H
8132.58	2.90	1.95	37.58	42.43	11.57	V
9036.20	3.00	2.05	38.18	43.24	10.76	V

SAMPLE CALCULATION: FSdBuV/m = MR(dBuV) + ACFdB.

METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD. Measurements were made at Timco Engineering, Inc. 6051~N.W.~19th~Lane, Gainesville, FL 32605.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY:_____DATE: January 18, 1999

REPORT #: F:\CUS\T\TCE\TCE13B9.RPT

FCC ID: G9H2-9930C (HANDSET)

NAME OF TEST: RADIATION INTERFERENCE PAGE 1 OF 1

RULES PART NO.: 15.249

REQUIREMENTS: Carrier frequency will not exceed 94.0 dBuV/m

TEST DATA:

EMISSION	METER READING	COAX	ANTENNA	FIELD		
FREQUENCY	AT 3 METERS	LOSS	CORRECTION	STRENGTH	MARGIN	ANT.
MHz	dBuV	dB	FACTOR dB	dBuV/m@3m	dВ	POL.
HANDSET TU	NED FREQUENCY	926.16MHz				
926.69	34.00	2.90	24.11	61.01	32.99	V
1853.38	19.90	1.01	27.41	48.32	5.68	V
2780.07	1.20	1.15	29.95	32.30	21.70	V
3706.76	0.80	1.29	32.27	34.35	19.65	V
4633.45	1.10	1.43	33.71	36.24	17.76	V
5560.14	0.90	1.56	34.76	37.22	16.78	V
6486.83	2.50	1.70	35.80	40.00	14.00	V
7413.52	3.00	1.84	36.84	41.68	12.32	V
8340.21	3.00	1.98	37.72	42.70	11.30	V
9266.90	2.80	2.08	38.34	43.22	10.78	V
HANDSET TU	NED FREQUENCY	927.60MHz				
927.58	33.80	2.90	24.12	60.82	33.18	V
1855.16	20.00	1.01	27.42	48.43	5.57	V
2782.74	1.60	1.15	29.96	32.70	21.30	V
3710.32	0.60	1.29	32.28	34.16	19.84	V
4637.90	1.60	1.43	33.72	36.74	17.26	V
5565.48	0.90	1.57	34.76	37.23	16.77	V
6493.06	2.10	1.70	35.80	39.61	14.39	V
7420.64	3.30	1.84	36.85	41.99	12.01	V
8348.22	2.90	1.98	37.72	42.61	11.39	V
9275.80	3.20	2.08	38.34	43.62	10.38	V

SAMPLE CALCULATION: FSdBuV/m = MR(dBuV) + ACFdB.

METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD C63.4-1992 with the following exception: the unit was operated into its own antenna with the antenna at a height of four feet. Measurements were made at Timco Engineering, Inc. 6051 N.W. 19th Lane, Gainesville, FL 32605.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY:_S. S. SANDERS______DATE: January 18, 1999

REPORT #: F:\CUS\T\TCE\TCE13B9.RPT

FCC ID: G9H2-9930C

NAME OF TEST: Occupied Bandwidth

RULES PART NO.: 15.233

REQUIREMENTS: The field strength of any emissions appearing

between the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 26 dB below the level of the unmodulated carrier or to the general limits of 15.209, whichever permits the higher emission

levels.

THE GRAPHS IN EXHIBITS 19A-19D REPRESENT THE EMISSIONS TAKEN FOR THIS DEVICE.

METHOD OF MEASUREMENT: A small sample of the transmitter output was fed into the spectrum analyzer and the above photo was taken. The vertical scale is set to $-10~\mathrm{dBm}$ per division. The horizontal scale is set to $5~\mathrm{kHz}$ per division.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY:______ January 18, 1999

APPLICANT: Thomson Consumer Electronics, Inc.

FCC ID: G9H2-9930C

REPORT #: F:\CUS\T\TCE\TCE13B9.RPT

FCC ID: G9H2-9930C

NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE

RULES PART NUMBER: 15.207

MINIMUM REQUIREMENTS: FREQUENCY LEVEL __MHz__ uV_

0.450-30 250

TEST PROCEDURE: ANSI STANDARD C63.4-1992

THE HIGHEST EMISSION READ FOR LINE 1 WAS 28.475 uV @ 3.29 MHz.

THE HIGHEST EMISSION READ FOR LINE 2 WAS 14.272 uV @ 1.16 MHz.

THE GRAPHS IN EXHIBITS 18A-18B REPRESENT THE EMISSIONS READ FOR POWERLINE CONDUCTED FOR THIS DEVICE.

TEST RESULTS: Both lines were observed. The measurements indicate that the unit DOES appear to meet the FCC requirements for this class of equipment.

PERFORMED BY:_S. S. SANDERS_____DATE: January 18, 1999

APPLICANT: Thomson Consumer Electronics, Inc.

FCC ID: G9H2-9930C

REPORT #: F:\CUS\T\TCE\TCE13B9.RPT