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APPLICANT: WOOIL TELCOM CO., LTD.

FCC ID: OIZKF-310

TEST REPORT:

EXHIBITS CONTAINING:

GENERAL INFORMATION REQUIRED
FOR TYPE ACCEPTANCE

2.983 (a,b,c) WOOIL TELCOM CO., LTD. will manufacture the FCCID: OIZKF-310 FAMILY RADIO SERVICES 14 CHANNEL TRANSCEIVER in quantity, for use under FCC RULES PART 95.

2.983 (d) TECHNICAL DESCRIPTION

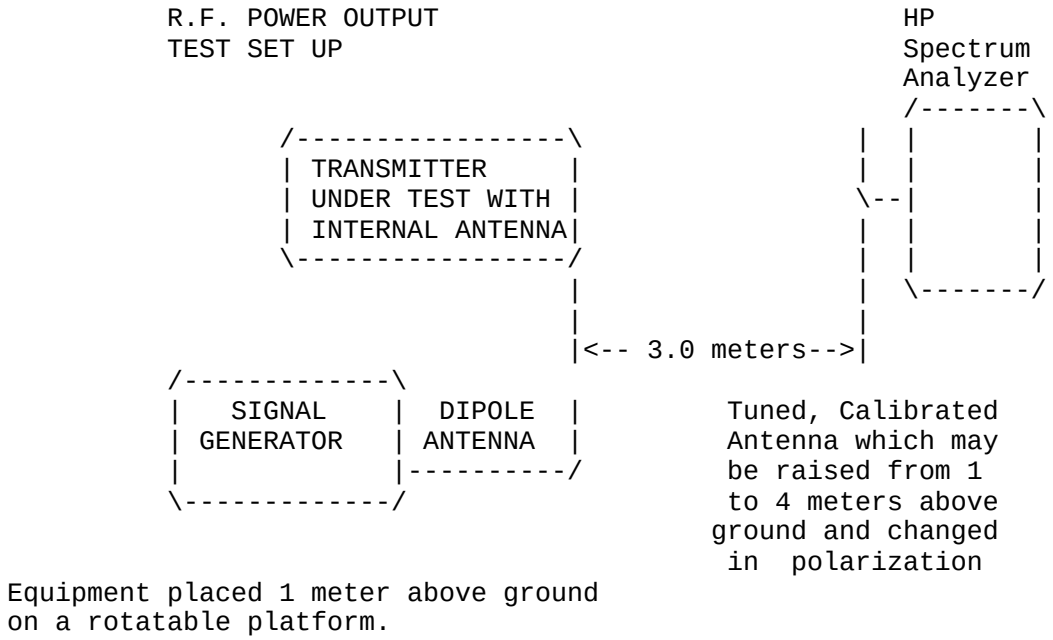
2.983 (d) (1) 95.629 Type of Emission: 10K0F3E

Bn = 2M + 2DK
M = 3000
D = 2.0K
Bn = 2(3.0)+2(2.0) = 10.0K

Authorized Bandwidth 12.5KHz

2.983 (d) (3) 95.637 95.647 Power Output shall not exceed 0.500Watts effective radiated power. There can be no provisions for increasing the power.

2.983 (d) (4) 95.637 Maximum Output Power Rating: 500 milliWatts effective radiated power.



Equipment placed 1 meter above ground
on a rotatable platform.

APPLICANT: WOOIL TELCOM CO., LTD.
FCC ID: OIZKF-310
DATE: 15 FEB. 2000
REPORT #: T:\CUS\W\WTC\WTC34K0\WTC34K0.RPT
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2.993(a)(b) UNWANTED RADIATION:
95.635(b)(7)

REQUIREMENTS: Emissions must be attenuated by at least the following below the output of the transmitter.

43 + 10log(TP) = 43 + 10log(0.5) = 40.00dB

TEST DATA:

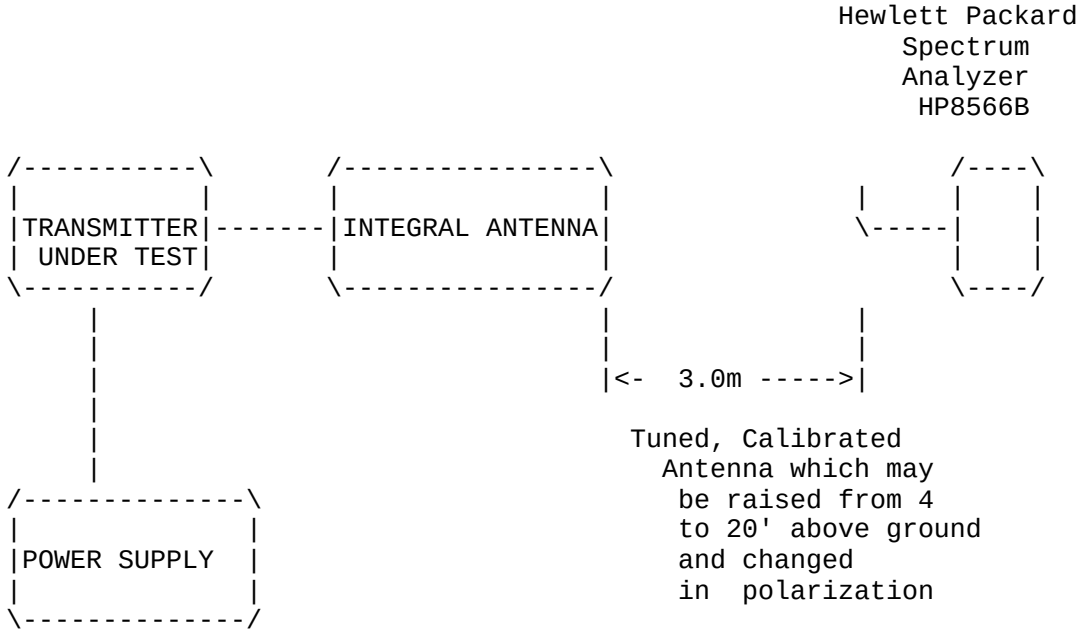
EMISSION FREQ. MHz	METER READING @ 3m dBuV	COAX LOSS dB	ACF dB	FIELD STRNGTH dBuV/m	ATT. dBuV/m	MARGIN dB	ANT.
462.56	103.90	1.60	18.44	123.94	124.37	0.43	V
925.10	47.00	2.90	24.10	74.00	49.94	9.94	V
1387.65	48.00	1.00	25.55	74.55	49.39	9.39	V
1850.22	51.60	1.01	27.40	80.01	43.93	3.93	V
2312.80	25.20	1.08	28.78	55.06	68.88	28.88	H
2775.34	36.20	1.15	29.94	67.28	56.66	16.66	V
3237.34	37.70	1.22	31.09	70.01	53.93	13.93	V
3700.47	40.10	1.29	32.25	73.64	50.30	10.30	H
4163.03	33.30	1.35	33.18	67.84	56.10	16.10	H
4625.58	30.10	1.42	33.70	65.23	58.71	18.71	V

MARGIN = (Field strength of Fund - FS OF EMISSION)- 40dB

METHOD OF MEASUREMENT: The procedure used was C63.4-1992 for intentional radiators. The spectrum was scanned from 30 to at least the tenth harmonic of the fundamental using a HP model 8566B spectrum analyzer, an Eaton model 94455-1 Biconical Antenna, ElectroMetrics antennas models TDA, TDS-25-1, TDS-25-2 and RGA-180. Measurements were made at the open field test site of TIMCO ENGINEERING INC. located at 849 N.W. State Road 45, Newberry, FL 32669.

2.993(a)(b) UNWANTED RADIATION:
95.631(b)(8)(9)

Method of Measuring Radiated Spurious Emissions



Equipment placed 4' above ground
on a rotatable platform.

TEST EQUIPMENT LIST

1._X_Spectrum Analyzer: HP 8566B-Opt 462, S/N 3138A07786, w/ preselector HP 85685A, S/N 3221A01400, Quasi-Peak Adapter HP 8565OA, S/N 3303A01690 & Preamplifier HP 8449B-OPT H02, S/N 3008A00372 Cal. 10/17/99
2._X_Signal Generator: HP 8640B, S/N 2308A21464 Cal. 9/23/99
3.___Signal Generator: HP 8614A, S/N 2015A07428 Cal. 5/29/99
4.___Passive Loop Antenna: EMCO Model 6512, 9KHz to 30MHz, S/N 9706-1211 Cal. 6/23/97
5._X_Biconnical Antenna: Eaton Model 94455-1, S/N 1057
6._X_Log-Periodic Antenna: Electro-Metrics Model EM-6950, S/N 632
7.___Dipole Antenna Kit: Electro-Metrics Model TDA-30/1-4, S/N 153 Cal. 11/24/99
8._X_Double-Ridged Horn Antenna: Electro-Metrics Model RGA-180, 1-18 GHz, S/N 2319 Cal. 4/27/99
9.___Horn 40-60GHz: ATM Part #19-443-6R
10.___Line Impedance Stabilization Network: Electro-Metrics Model ANS-25/2, S/N 2604 Cal. 11/30/99
11.___Line Impedance Stabilization Network: Electro-Metrics Model EM-7820, S/N 2682 Cal. 12/1/99
12._X_Temperature Chamber: Tenney Engineering Model TTRC, S/N 11717-7
13._X_AC Voltmeter: HP Model 400FL, S/N 2213A14499 Cal. 9/21/99
14.___Digital Multimeter: Fluke Model 8012A, S/N 4810047 Cal 9/21/99
15._X_Digital Multimeter: Fluke Model 77, S/N 43850817 Cal 9/21/99
16.___Oscilloscope: Tektronix Model 2230, S/N 300572 Cal 9/23/99
17.___Frequency Counter: HP Model 5385A, S/N 3242A07460 Cal 10/6/99
18._X_Special low loss cable was used above 1 GHz