

UNWANTED RADIATION

2.1051 Not Applicable, no antenna terminal allowed.

2.1053 UNWANTED RADIATION:
95.635(b)(7)

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

$$43 + 10\log(TP) = 43 + 10\log(0.5) = 40.00\text{dB}$$

TEST DATA:

EMISSION FREQ. MHz	METER READING @ 3m dBuV	COAX LOSS dB	ACF dB	FIELD STRNGTH dBuV/m	ATT. dBuV/m	MARGIN dB	ANT.
462.70	104.20	1.60	18.44	124.24	0.0	0.17	V
925.40	47.60	2.90	24.10	74.60	49.64	9.64	V
1388.10	34.60	1.00	25.55	61.15	63.09	23.09	V
1850.80	36.10	1.01	27.40	64.51	59.73	19.73	V
2313.50	24.50	1.08	28.78	54.36	69.88	29.88	V
2776.20	11.00	1.15	29.94	42.09	82.15	42.15	V
3238.90	21.70	1.22	31.10	54.01	70.23	30.23	H
3701.70	10.20	1.29	32.25	43.74	80.50	40.50	V
4164.30R	8.80	1.35	33.18	43.33	80.91	40.91	V
4627.10R	<5.50	1.42	33.71	40.63	83.61	43.61	V

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

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.

APPLICANT: WOOIL TELCOM CO., LTD.

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