

15.247(c) & 15.109(b) Field strength of spurious emissions:

REQUIREMENTS: Emissions that fall in the restricted bands
(15.205) must be less than 54dBuV/m otherwise
the spurious and harmonics must be attenuated
by at least 20dB.

TEST DATA:

EMISSION FREQUENCY MHz	METER READING @ 3m dBuV	COAX LOSS dB	ACF dB	PEAK		MARGIN dB	ANT.
				FIELD STRENGTH dBuV/m	FCC LIMIT dB		

YAGI ANTENNA: ANTENNA GAIN 17dBi

2413.00	65.60	1.09	29.03	95.72	0.0	0.0	V
4824.00R	14.90	1.45	33.93	50.28	54.00	3.72	V
7237.00	<2.80	1.82	36.64	41.26	54.00	12.74	V
9650.00	<1.00	2.11	38.60	41.71	54.00	12.29	V
2429.00	64.10	1.09	29.07	94.26	0.0	0.0	V
2483.50R	14.60	1.10	29.21	44.91	54.00	9.09	V
4858.00R	15.40	1.46	33.97	50.83	54.00	3.17	V
2455.00	64.10	1.10	29.14	94.34	0.0	0.0	V
2483.50R	15.60	1.10	29.21	45.91	54.00	8.09	V
4910.00R	9.20	1.47	34.02	44.69	54.00	9.31	V
7365.00R	<2.90	1.84	36.79	41.52	54.00	12.48	V
9820.00	<0.60	2.13	38.71	41.44	54.00	12.56	H

PARABOLIC ANTENNA: 24dBi

2413.00	68.40	1.09	29.03	98.52	0.0	0.0	V
4824.00R	15.90	1.45	33.93	51.28	54.00	2.72	V
7237.00	<1.90	1.82	36.64	40.36	54.00	13.64	V
2429.00	67.50	1.09	29.07	97.66	0.0	0.0	V
2483.50R	17.90	1.10	29.21	48.21	54.00	5.79	V
4858.00R	17.20	1.46	33.97	52.63	54.00	1.37	V
2455.00	66.90	1.10	29.14	97.14	0.0	0.0	V
2483.50R	16.60	1.10	29.21	46.91	54.00	7.09	V
4910.00R	11.10	1.47	34.02	46.59	54.00	7.41	V

NOTE: ATTENUATION = PEAK CARRIER LEVEL - PEAK LEVEL OF HARMONIC
MARGIN = 54dBuV/M - PEAK LEVEL OF HARMONIC

APPLICANT: TELLUMAT (PTY) LIMITED.

FCC ID: ONJMDR2400-THD

REPORT #: T:\CUS\T\TELLUMAT\TEL366A9\RAD91028

DATE: 28 Oct. 1999

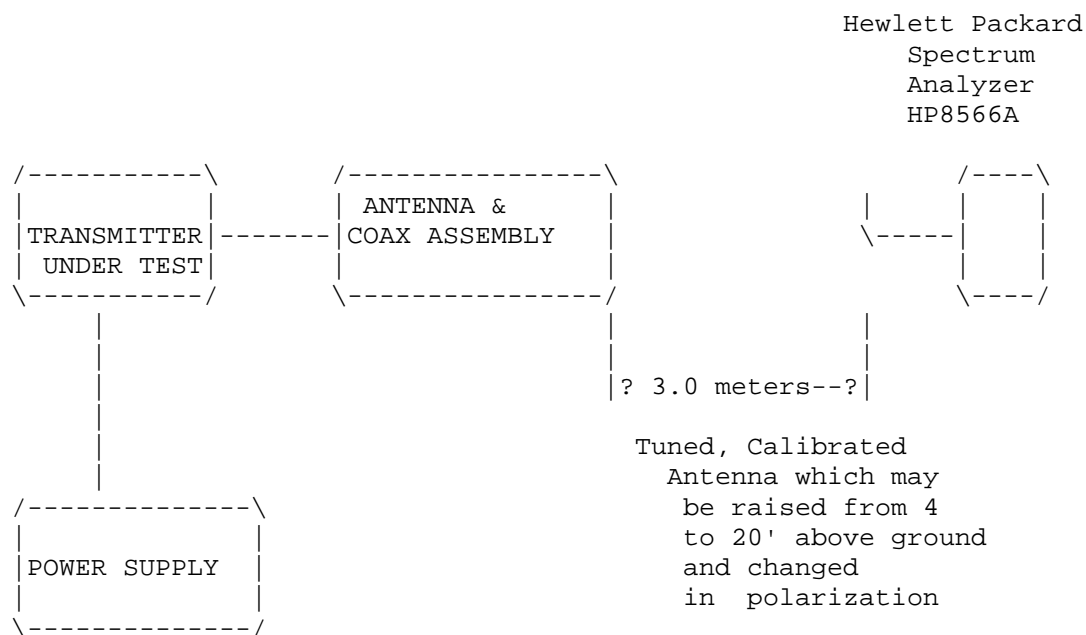
PAGE #: 8

METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD C63.4-1992 except the spread spectrum portion was connected to its custom antenna at a height of 1.5 meters. The spectrum was scanned from 30MHz to at least the tenth harmonic of the fundamental. Above 1.0GHz the RBW was 1.0MHz and the VBW was 1.0MHz. Measurements were made at the open field test site of TIMCO ENGINEERING INC. located at 6051 N.W. 19th LANE, GAINESVILLE, FL 32605.

2.993(a)(b)

2.993(a)(b) Continued Field strength of spurious emissions:

Method of Measuring Radiated Spurious Emissions



Equipment placed 4' above ground on a rotatable platform.

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PAGE #: 9