Nemko Dallas, Inc.

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Field Strength of Spurious Emissions

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Complete X
Preliminary

Job No.: 1L0456
Date: 9/4/01
Specification:
Temperature(°C): 22
Tested By: Lance Walker
Relative Humidity(%) 50
E.U.T.: WIRELESS MODEM
Configuration: TX AT CH 600
Sample No: S09
Location: AC 3
RBW: 1 MHz
Measurement Distance: 3 m
Detector Type: Peak
VBW: 1 MHz

Test Equipment Used

Antenna: 993
Directional Coupler:
Pre-Amp: 1016
Cable #1: 1484
Filter: 1481
Cable #2: 1485
Receiver: 1464
Cable #3: 1043
Attenuator #1 1472
Cable #4:
Attenuator #2:
Mixer:
Additional equipment used:
Measurement Uncertainty: +/-3.6 dB

Frequency (MHz)	Meter Reading (dBm)	Correction Factor (dB)	Attn. (dB)	Pre-Amp Gain (dB)	Substitution Antenna Gain (dBd)	Limit (dBm)	ERP (dBm)	ERP (mW)	Polarity	Comments
3760	-55.0	34.3	20	33.7	8.0	-13	-26.4	0.002307	H	Noise floor
5640	-56.0	36.0	20	33.5	9.1	-13	-24.4	0.003597	H	Noise floor
7520	-54.8	39.8	20	33	9.4	-13	-18.6	0.013868	H	Noise floor
9400	-54.8	41.4	20	35.7	10.1	-13	-19.1	0.012417	H	Noise floor
11280	-54.6	44.4	20	35.8	11.1	-13	-14.9	0.032211	H	Noise floor
13160	-62.1	47.5	20	34.5	11.2	-13	-18.0	0.015885	H	Noise floor
15040	-61.8	47.1	20	32.7	11.4	-13	-16.0	0.024889	H	Noise floor
16920	-61.1	46.1	20	32.7	13.0	-13	-14.6	0.034356	H	Noise floor
3760	-55.0	40.4	20	33.7	8.0	-13	-20.3	0.009290	V	Noise floor
5640	-56.0	38.5	20	33.5	9.1	-13	-21.9	0.006397	V	Noise floor
7520	-54.8	40.4	20	33	9.4	-13	-17.9	0.016069	V	Noise floor
9400	-54.8	39.3	20	35.7	10.1	-13	-21.2	0.007621	V	Noise floor
11280	-54.6	42.0	20	35.8	11.1	-13	-17.4	0.018365	V	Noise floor
13160	-62.1	44.8	20	34.5	11.2	-13	-20.6	0.008670	V	Noise floor
15040	-61.8	46.5	20	32.7	11.4	-13	-16.6	0.021777	V	Noise floor
16920	-61.1	44.3	20	32.7	13.0	-13	-36.5	0.000226	V	Noise floor
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1880	-15.0	29.9	0	0	8.5		23.4	216.271852	V	Fundamental Reading
1880	-21.3	32.7	0	0	8.5		19.9	97.498964	H	Fundamental Reading

Notes: TX AT CH 600 (MID FREQ) WITH 20 dB ATTENUATIONTO NOT OVERDRIVE SPEC ANALYZER