

Test Company Name Hermon Laboratory

Date 14 January 2003
Temperature 21.5°C
Humidity 60%
Air pressure 1016 hPa
Job Number 15393
Test Name FCC 15.109; FCC 15.209
EUT Name WLAN 2.4 GHz, One Access Point
EUT Model Number ModuLite 810
Site Description **Anechoic chamber #1**
Test equipment 521; 604; 589; 1004; 2009
Operator Name Pitt
Customer Name Foxcom Wireless
Distance 3m.

Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)

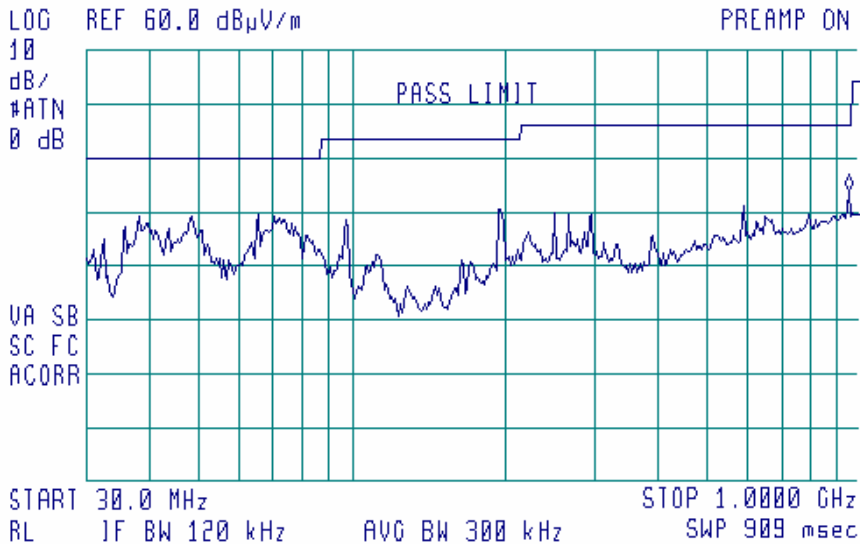
Fmin= 2412 MHz

VERTICAL POLARIZATION

09:35:47 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 942.8 MHz
34.00 dBμV/m

MEASURE AT MKR
ADD TO LIST



MARKER ↓ CF
MARKER ▲
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT

More 1 of 2

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Fmin= 2412 MHz

HORIZONTAL POLARIZATION

10:10:29 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 248.5 MHz
39.41 dBµV/m

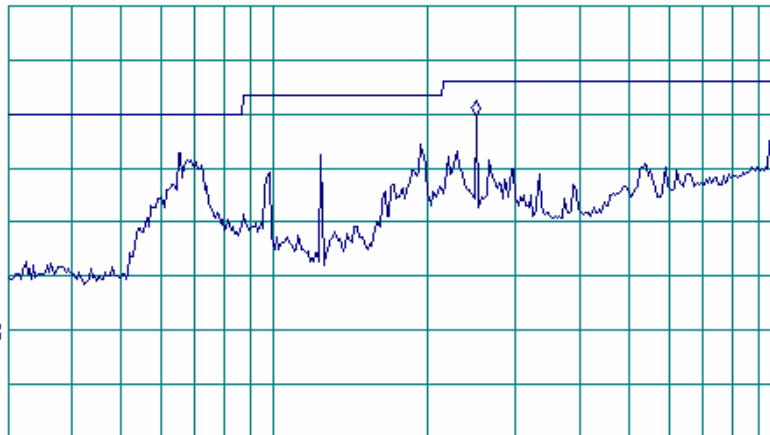
MEASURE AT MKR
ADD TO LIST

LOG REF 60.0 dBµV/m

PREAMP ON

10 dB/
#ATN
0 dB

UA SB
SC FC
ACORR



START 30.0 MHz STOP 1.0000 GHz
RL 1F BW 120 kHz AVG BW 300 kHz SWP 909 msec

CLEAR
WRITE B

MAX
HOLD B

VIEW B

BLANK B

Trace
A B C

More
1 of 3

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Fmin= 2412 MHz

| Freq (MHz) | Peak Amp (dBuV/m) | QP Amp (dBuV/m) | Limit QP (dBuV/m) | QP - Lim (dB) | Antenna Polarization |
|------------|-------------------|-----------------|-------------------|---------------|----------------------|
| 44.023000 | 32.72 | 26.35 | 40.00 | -13.65 | Vertical |
| 72.559550 | 30.00 | 27.95 | 40.00 | -12.05 | Vertical |
| 98.849350 | 28.33 | 25.12 | 43.50 | -18.38 | Vertical |
| 124.907500 | 33.98 | 31.70 | 43.50 | -11.80 | Vertical |
| 197.688150 | 30.42 | 26.47 | 43.50 | -17.03 | Vertical |
| 592.038463 | 34.08 | 30.16 | 46.00 | -15.84 | Vertical |
| 948.257150 | 37.96 | 33.55 | 46.00 | -12.45 | Vertical |

| Freq (MHz) | Peak Amp (dBuV/m) | QP Amp (dBuV/m) | Limit QP (dBuV/m) | QP - Lim (dB) | Antenna Polarization |
|------------|-------------------|-----------------|-------------------|---------------|----------------------|
| 65.282250 | 33.38 | 30.02 | 40.00 | -9.98 | Horizontal |
| 68.893050 | 32.22 | 29.18 | 40.00 | -10.82 | Horizontal |
| 98.829850 | 29.49 | 26.82 | 43.50 | -16.68 | Horizontal |
| 124.918750 | 32.02 | 29.28 | 43.50 | -14.22 | Horizontal |
| 249.817500 | 40.86 | 38.58 | 46.00 | -7.42 | Horizontal |

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Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)

F= 2412 MHz (Ch 1), 2437 MHz (Ch 6) and 2462 MHz (Ch 11)

VERTICAL & HORIZONTAL POLARIZATION

10:45:42 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK OP AVG
MKR 1.983 GHz
45.60 dB μ V/m

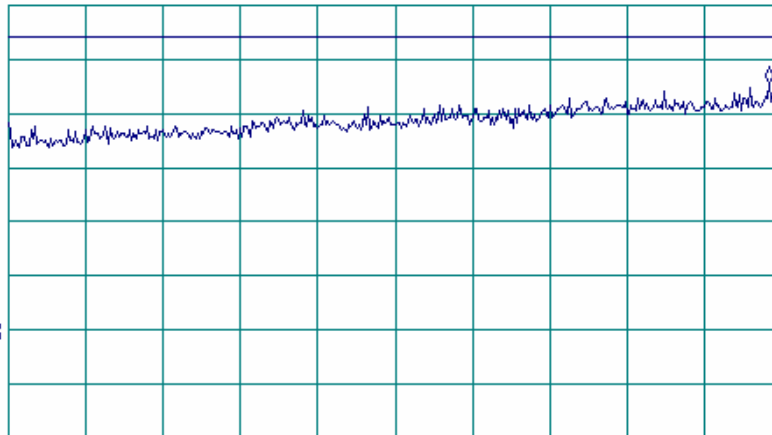
MEASURE AT MKR
ADD TO LIST

LOG REF 60.0 dB μ V/m

PREAMP ON

10 dB/
#ATN
0 dB

VA SB
SC FC
ACORR



START 1.000 GHz STOP 2.000 GHz
RL #1F BW 1.0 MHz #AVG BW 1 MHz SWP 20.0 msec

MARKER
↓ CF

MARKER
△

NEXT
PEAK

NEXT PK
RIGHT

NEXT PK
LEFT

More
1 of 2

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Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)

F= 2437 MHz (Ch 6)

VERTICAL POLARIZATION

10:57:48 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 248.5 MHz
37.16 dB μ V/m

MEASURE
AT MKR

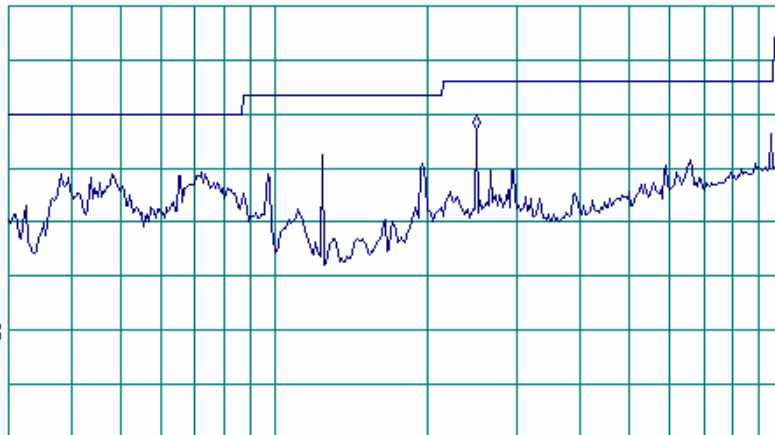
ADD TO
LIST

LOG REF 60.0 dB μ V/m

PREAMP ON

10
dB/
#ATN
0 dB

UA SB
SC FC
ACORR



MARKER
↓ CF

MARKER
▲

NEXT
PEAK

NEXT PK
RIGHT

NEXT PK
LEFT

START 30.0 MHz STOP 1.0000 GHz
RL #JF BW 120 kHz #AVG BW 1 MHz SWP 909 msec

More
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Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)

F= 2437 MHz (Ch 6)

HORIZONTAL POLARIZATION

11:01:51 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK OP AVG
MKR 248.5 MHz
38.15 dBμV/m

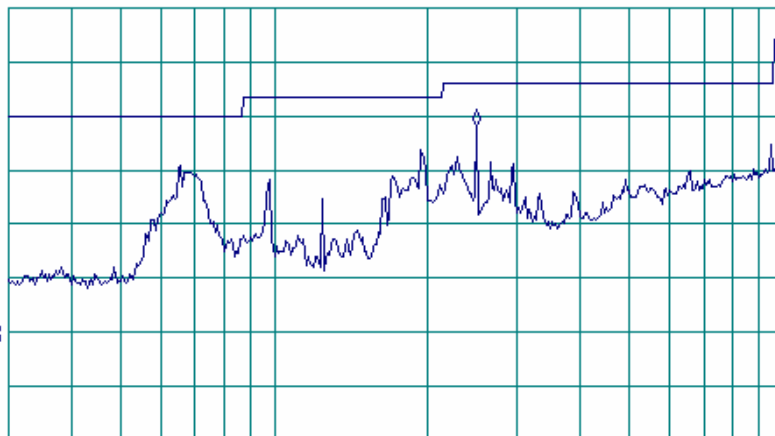
MEASURE AT MKR
ADD TO LIST

LOG REF 60.0 dBμV/m

PREAMP ON

10 dB/
#ATN 0 dB

VA SB
SC FC
ACORR



START 30.0 MHz STOP 1.0000 GHz
RL #JF BW 120 kHz #AVG BW 1 MHz SWP 909 msec

MARKER
↕ CF

MARKER
▲

NEXT PEAK

NEXT PK
RIGHT

NEXT PK
LEFT

More
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Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)

F= 2462 MHz (Ch 11)

VERTICAL POLARIZATION

11:00:13 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 124.3 MHz
33.73 dBµV/m

MEASURE
AT MKR

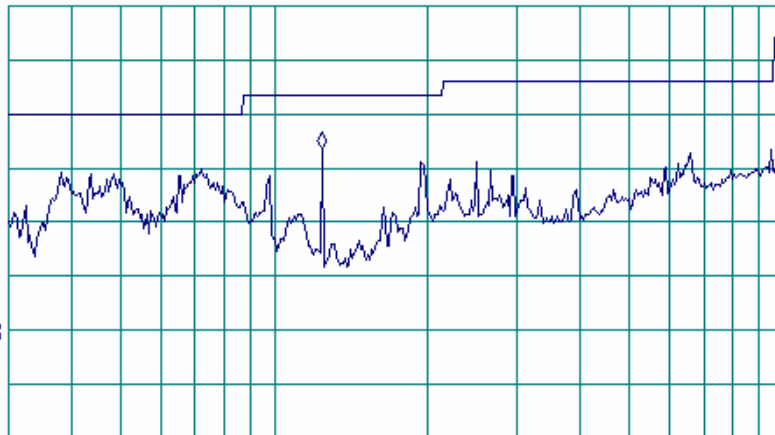
ADD TO
LIST

LOG REF 60.0 dBµV/m

PREAMP ON

10
dB/
#ATN
0 dB

UA SB
SC FC
ACORR



MARKER
↓ CF

MARKER
▲

NEXT
PEAK

NEXT PK
RIGHT

NEXT PK
LEFT

START 30.0 MHz STOP 1.0000 GHz
R #JF BW 120 kHz #AVG BW 1 MHz SWP 909 msec

More
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F= 2462 MHz (Ch 11)

HORIZONTAL POLARIZATION

11:16:52 JAN 14, 2003

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 248.5 MHz
38.45 dBμV/m

MEASURE
AT MKR

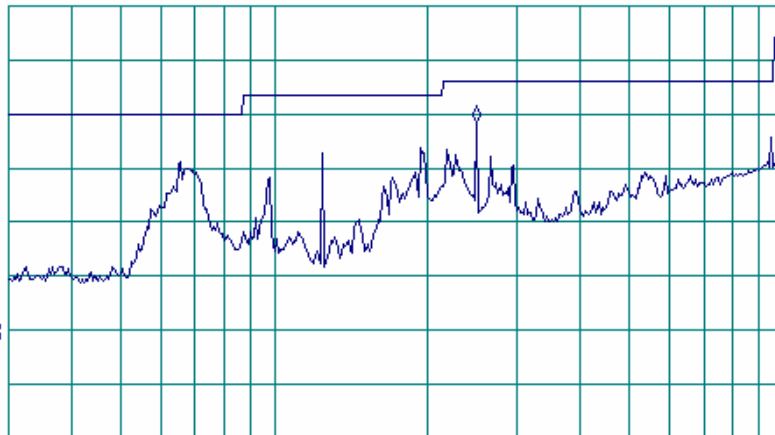
ADD TO
LIST

LOG REF 60.0 dBμV/m

PREAMP ON

10
dB/
#ATN
0 dB

UA SB
SC FC
ACORR



MARKER
↓ CF

MARKER
▲

NEXT
PEAK

NEXT PK
RIGHT

NEXT PK
LEFT

START 30.0 MHz STOP 1.0000 GHz
RL #JF BW 120 kHz #AVG BW 1 MHz SWP 909 msec

More
1 of 2