

ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS AT 3 METER DISTANCE

PLOT # 46

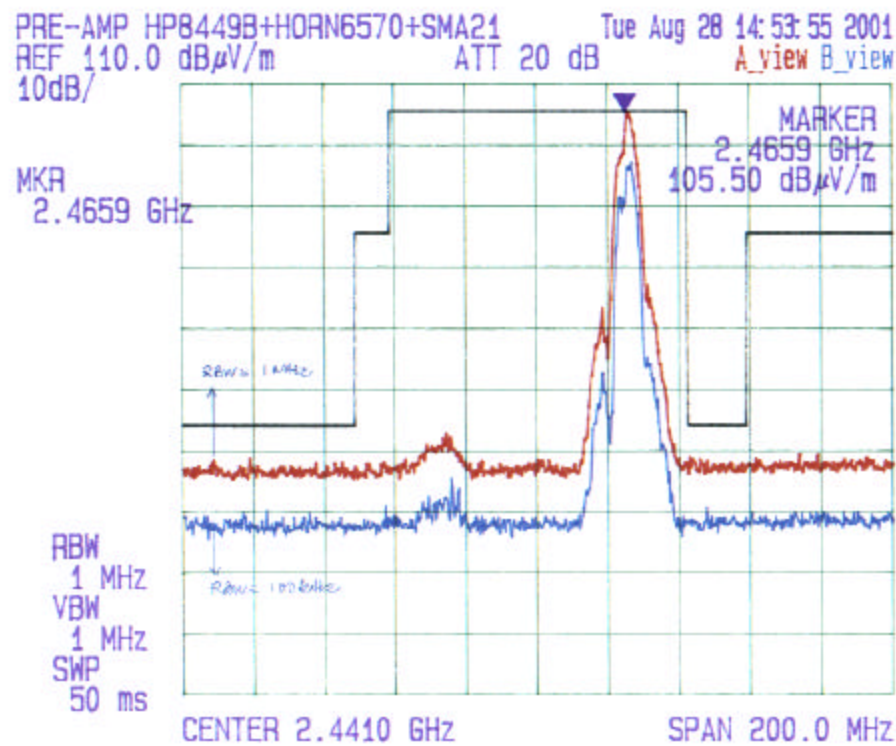


CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 47, Tx Frequency 2.465928 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [], MB 1.023 Mbps [], NB.818 Mbps []

PLOT # 46

Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Horizontal polarization



PLOT # 47



Date: August 28, 2001
Tested by: Hung Trinh

PRE-AMP HP8449B+HORN6570+SMA21 Tue Aug 28 15: 44: 17 2001
REF 127.0 dB μ V/m ATT 30 dB A_view B_view
10dB/

MKR
2.4084 GHz

$2.357 \cdot 85 \text{ MHz}$
 $f_{\text{CLK}} = 742.825 \text{ MHz}$
 $A_{\text{VSS}} = 58.72 \text{ dBm}$

$2.358 \cdot 85 \text{ MHz}$
 $f_{\text{CLK}} = 742.825 \text{ MHz}$
 $A_{\text{VSS}} = 58.72 \text{ dBm}$

RBW 1 MHz
VBW 1 MHz
SWP 50 ms

CENTER 2.4410 GHz

SPAN 200.0 MHz

MARKER
2.4084 GHz
126.16 dB μ V/m

$\rho_{\text{Zn}} = 8.5 \text{ g/cm}^3$
 $\rho_{\text{Fe}} = 7.8 \text{ g/cm}^3$
 $\rho_{\text{Al}} = 2.7 \text{ g/cm}^3$

ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS
AT 3 METER DISTANCE

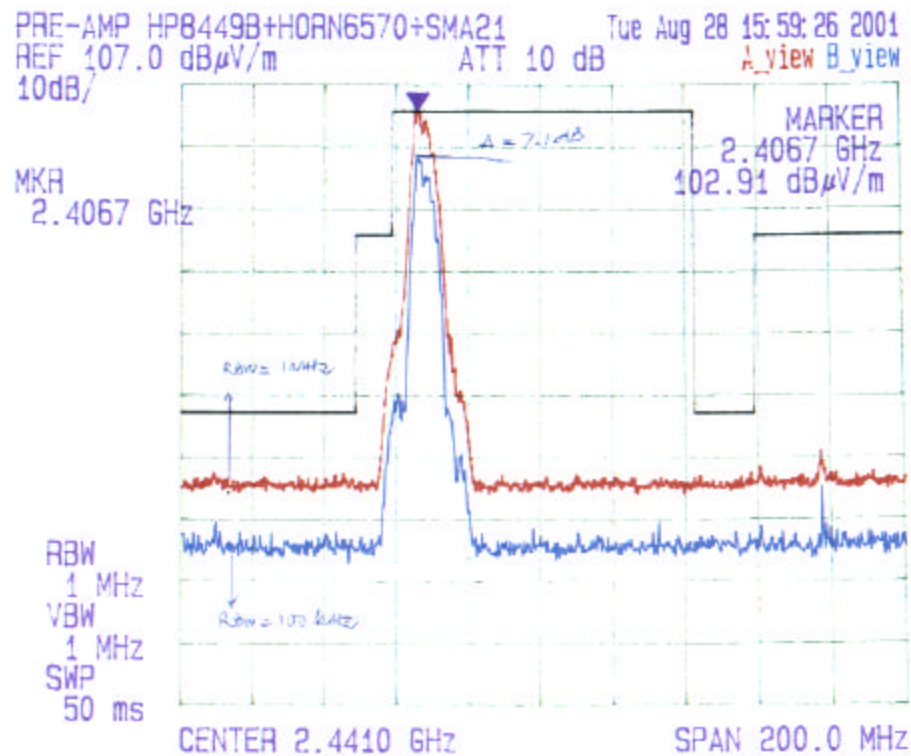
PLOT # 48



CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 19, Tx Frequency 2.468.00 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [], MB 1.023 Mbps [X], NB.818 Mbps []

PLOT # 48
Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Horizontal polarization



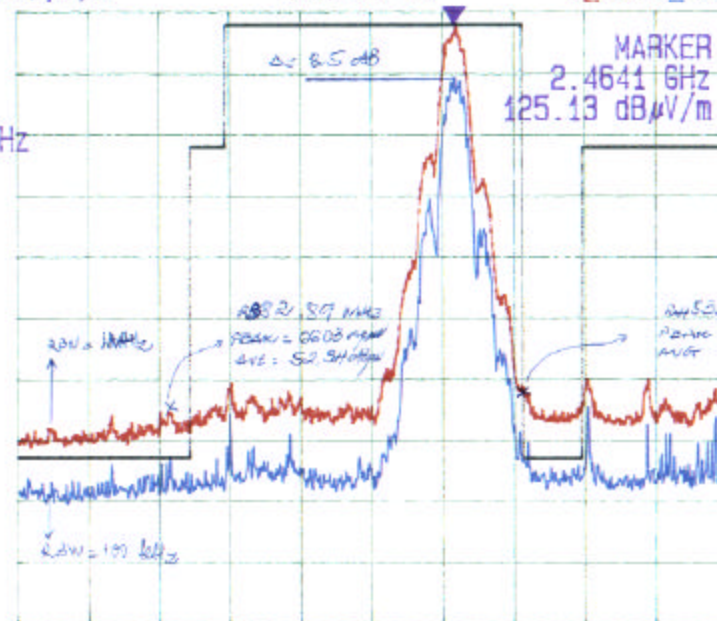
PLOT # 49



VERTICAL polarization

Date: August 28, 2001
Tested by: Hung Trinh

RBW
1 MHz
VBW
1 MHz
SWP
50 ms



SPAN 200.0 MHz

MARKER
4641 GHz
3 dB μ V/m

Day 52: 56 atoms
 Particle = 70.63 dpm/pa
 AUC = 57.26 dpm/pa

ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS AT 3 METER DISTANCE

PLOT # 50

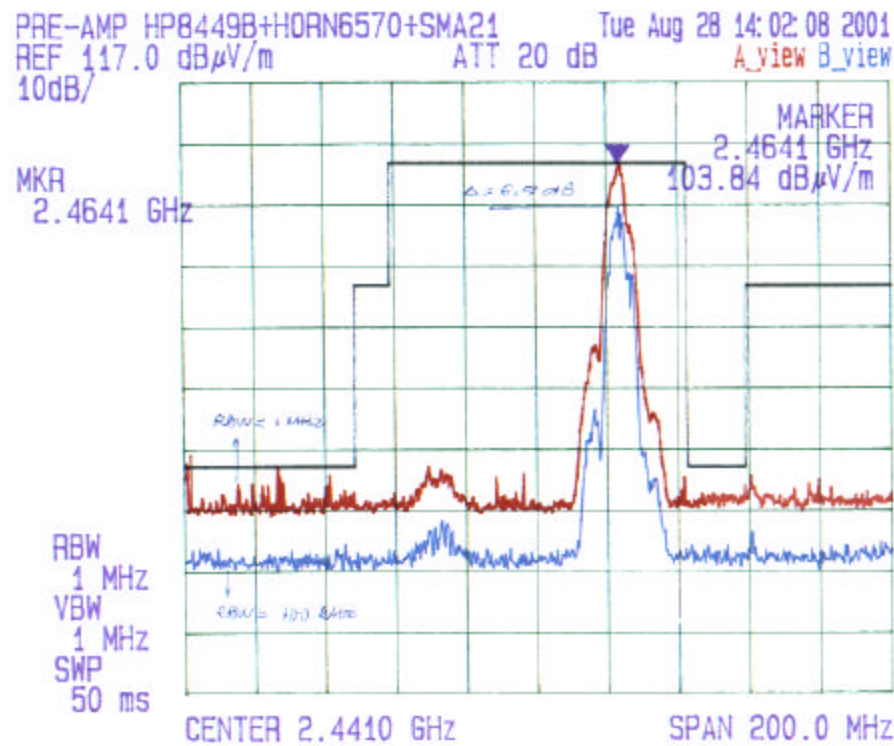


CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 40 Tx Frequency 2460 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [], MB 1.023 Mbps [x], NB.818 Mbps []

PLOT # 50

Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Horizontal polarization



ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS AT 3 METER DISTANCE

PLOT # 51

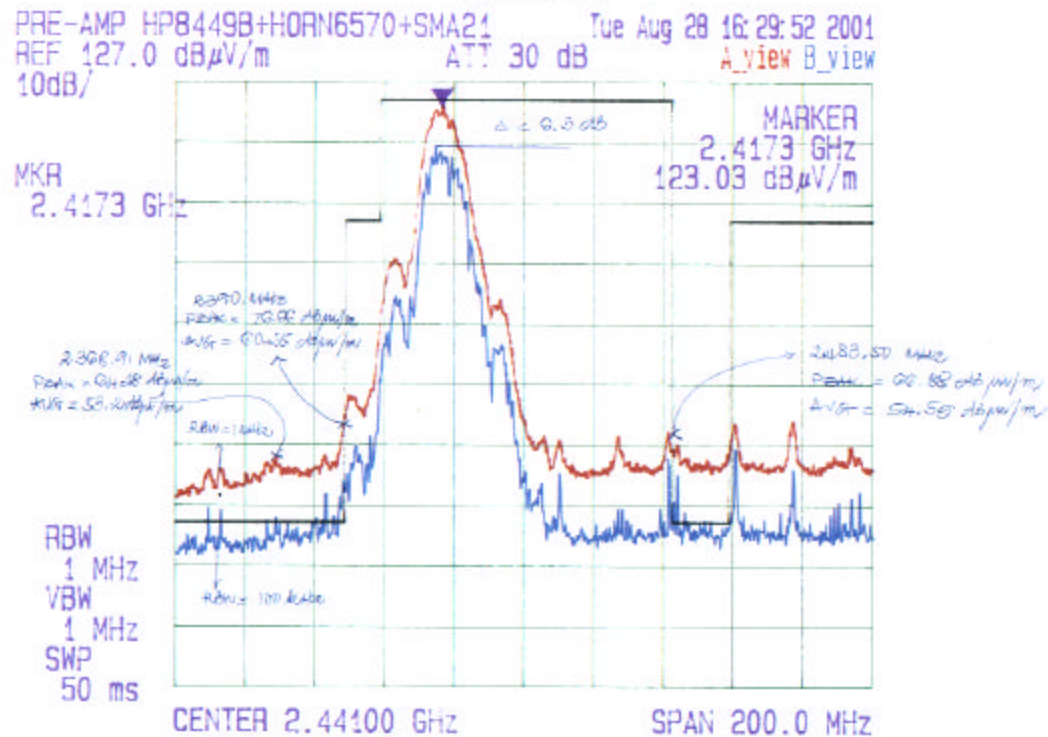


CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 35, Tx Frequency 2400.216 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [A], MB 1.023 Mbps [], NB.818 Mbps []

PLOT # 51

Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Vertical polarization



ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS
AT 3 METER DISTANCE

PLOT # 52

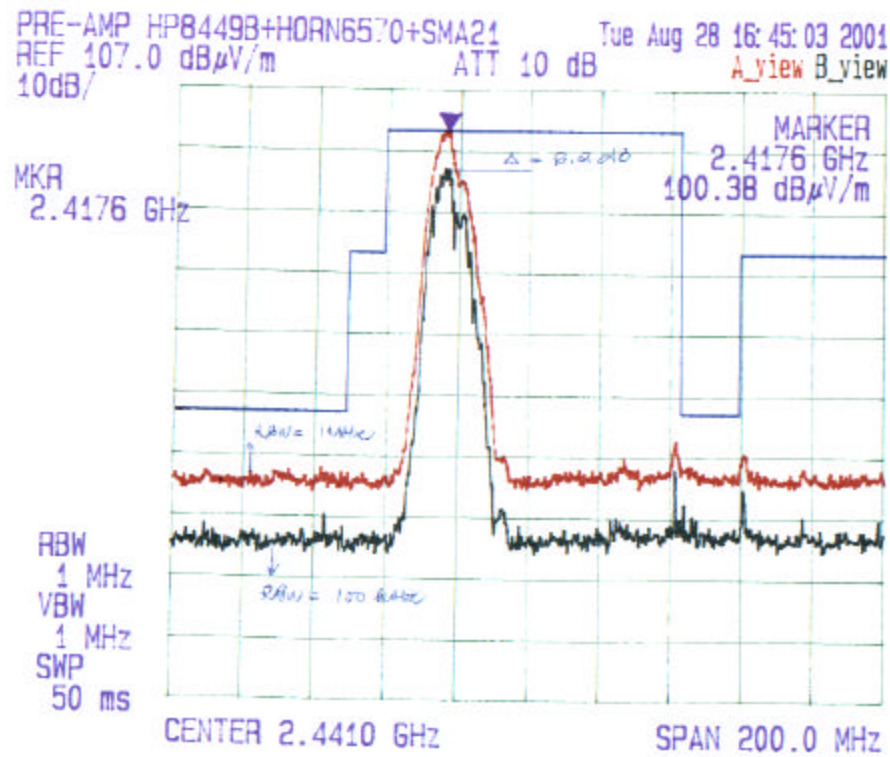


CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 36, Tx Frequency 2430.510 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [x], MB 1.023 Mbps [], NB.818 Mbps []

PLOT # 52

Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Horizontal polarization



ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS AT 3 METER DISTANCE

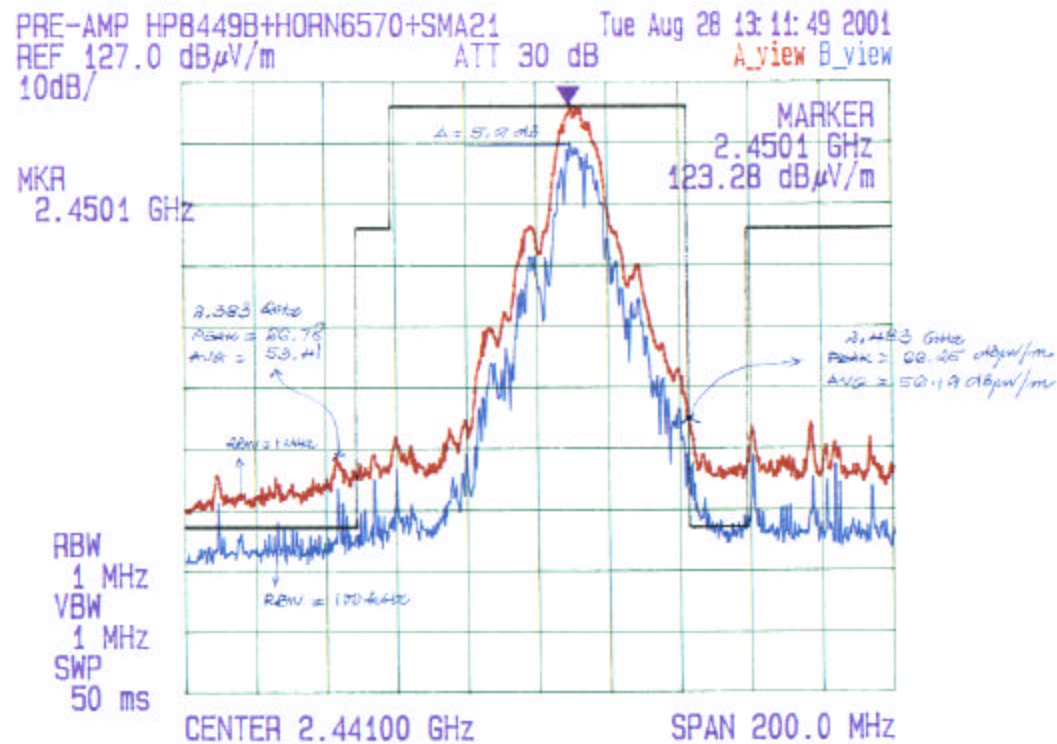
PLOT # 53



CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 11, Tx Frequency 2.453500 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [x], MB 1.023 Mbps [], NB.818 Mbps []

PLOT # 53
Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Vertical polarization



ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS AT 3 METER DISTANCE

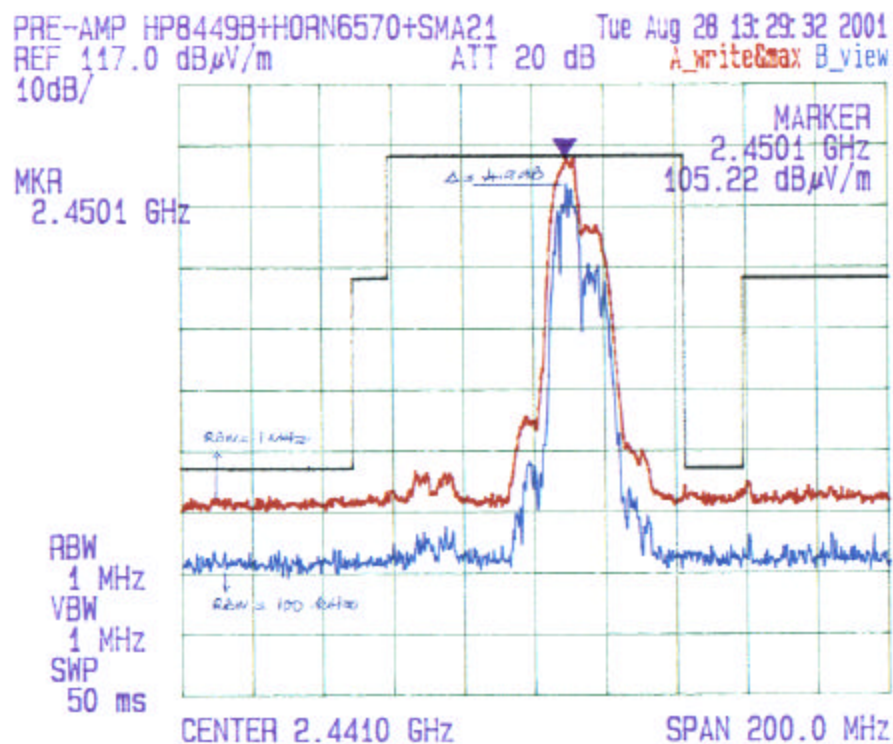
PLOT # 54



CLEARWIRE TECHNOLOGIES INC.
2.4 GHz DSSS, Model: G2CPE with Huber Suhner 3x3 Patch
Channel 41, Tx Frequency 2.4501 MHz
Mod: DQPSK, 11 chip/sym, WB 2.045Mbps [x], MB 1.023 Mbps [], NB.818 Mbps []

PLOT # 54
Date: August 28, 2001
Tested by: Hung Trinh

Radiated Emissions Measurements @ 3 meters
Horizontal polarization



**ANNEX 1 - PLOTS FOR TRANSMITTER RF RADIATED EMISSIONS MEASUREMENTS
AT 3 METER DISTANCE**

PLOT # 55