

## Annex 1: Measurement Plots - Emission Masks

Portable/Handheld Cellular Phone, Model 1100A

Plot # 19  
FCC ID: P4F1100A



**UltraTech**  
Engineering Labs Inc.

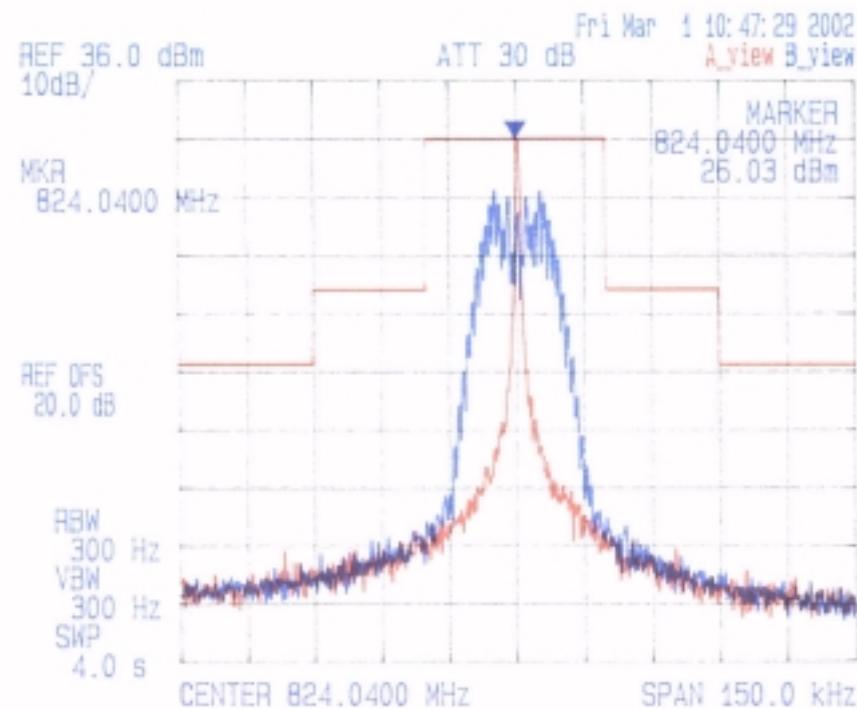
NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE

Frequency 824.0400 MHz, Power Output 36.0 dBm  
Mode  $\Delta$  Mod. FM modulation with 2.5 kHz Sinewave  $\pm$  8 kHz Freq. Dev.  
EMISSION MASK F3E

Date: March 1, 2002

Tested by: Hung Trinh

PLC # 319



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

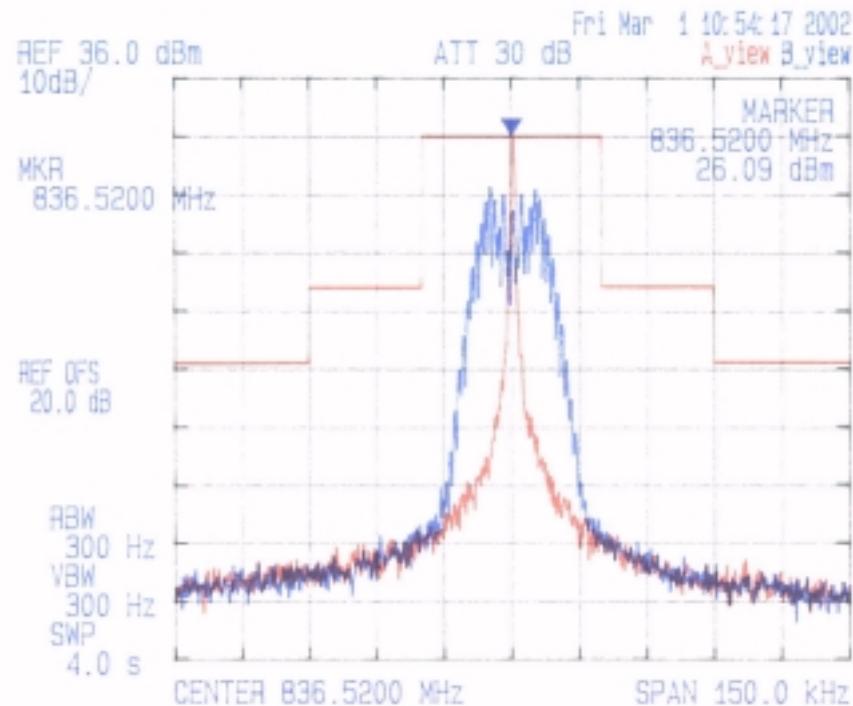
**Plot # 20**  
FCC ID: P4F1100A



NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency 836.52 MHz, Power Output 36.0 dBm  
Mode Auto, Mod. FM modulation with 2.5 kHz Sinewave, 8 kHz Freq. Dev.  
EMISSION MASK F3E

Date: March 22, 2002  
Tested by: Hung Trinh

Plot # 20



## Annex 1: Measurement Plots - Emission Masks

Portable/Handheld Cellular Phone, Model 1100A

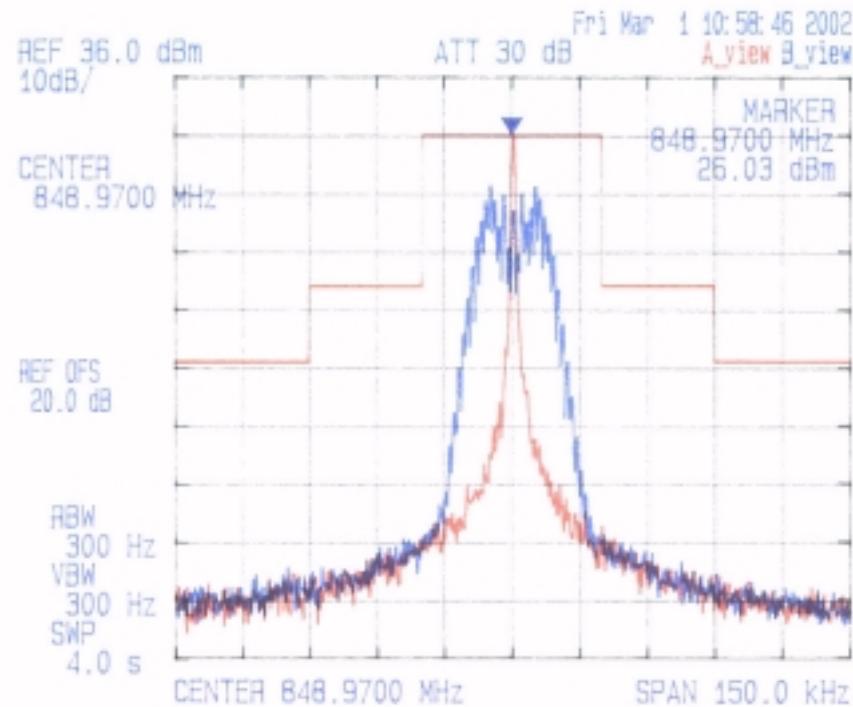
Plot # 21  
FCC ID: P4F1100A



NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency 848.9700 MHz, Power Output 26.03 dBm  
Mode: ~~AM/SSB~~, Mod: FM modulation with 2.6 kHz Sinewave  $\pm$  6 kHz Freq. Dev.  
EMISSION MASK F3E

Date: March 1 2002  
Tested by: Hung Trinh

PLOT # 21



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 22**  
FCC ID: P4F1100A

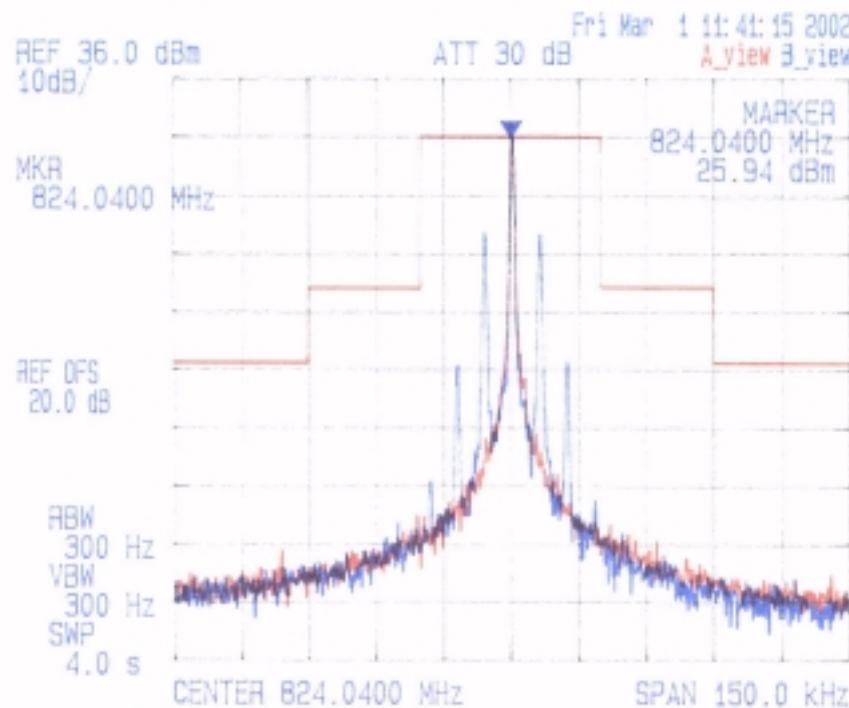


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NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency ~~824.0400~~ MHz, Power Output ~~25.94~~ dBm  
Mode: SAT, Modulation: FM modulation with a 6 kHz SAT frequency with  
± 2 kHz peak frequency deviation  
EMISSION MASK F3D

Date: March 22, 2002  
Tested by: Hung Trinh

Plot # 22



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 23**  
FCC ID: P4F1100A



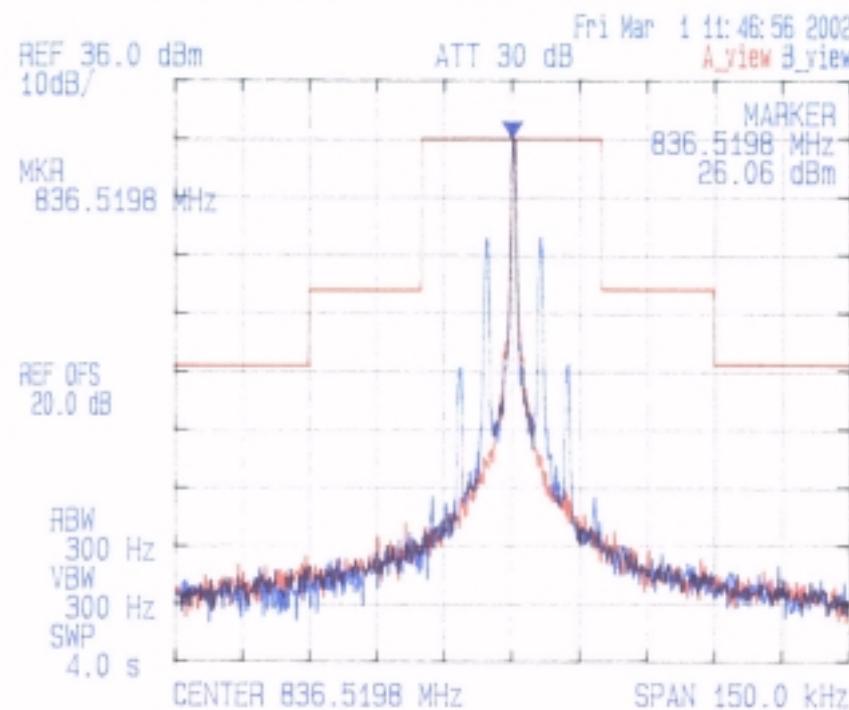
**UltraTech**  
Engineering Labs Inc.

NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE

Frequency 836.5198 MHz, Power Output 26.06 dBm  
Mode: SAT, Modulation: FM modulation with a 6 kHz SAT frequency with  
± 2 kHz peak frequency deviation

Date: March 1 2002  
Tested by: Hung Trinh

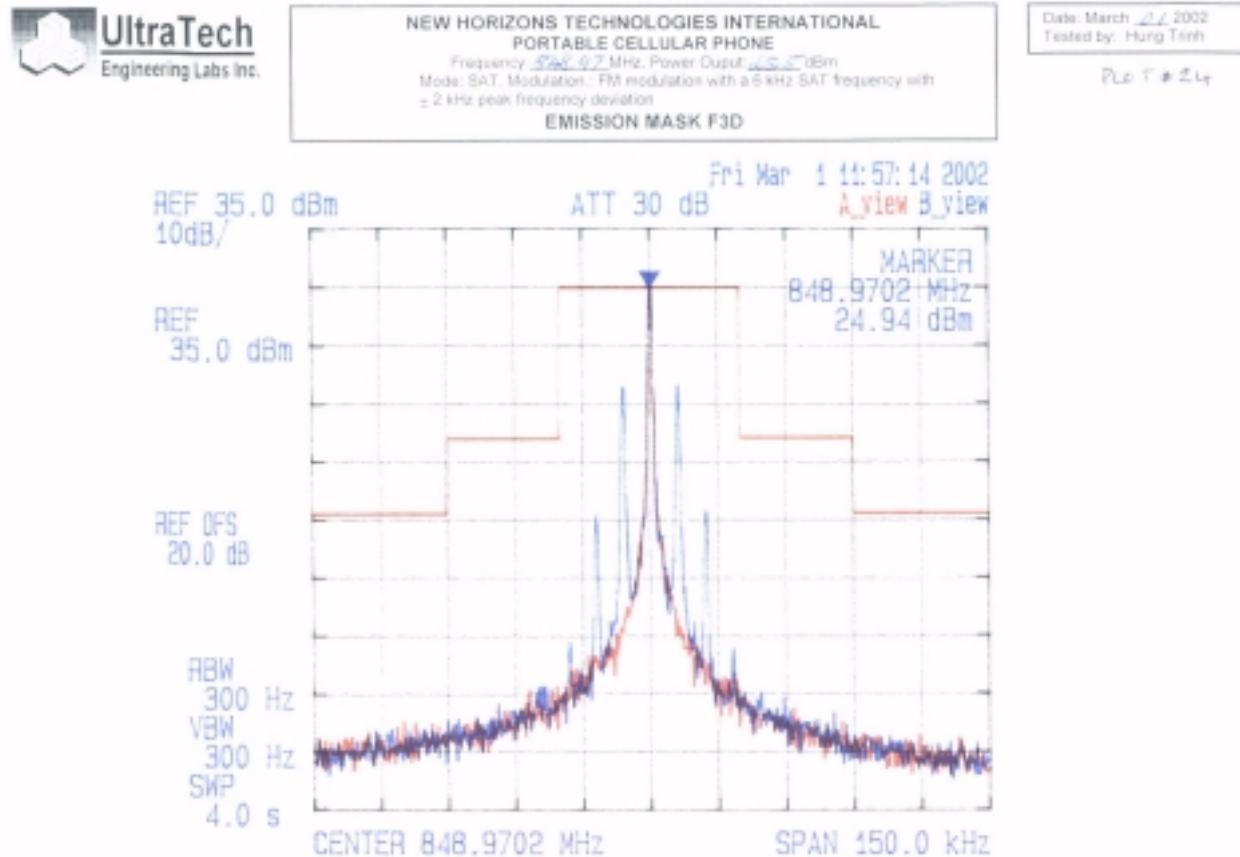
Plot # 23



## Annex 1: Measurement Plots - Emission Masks

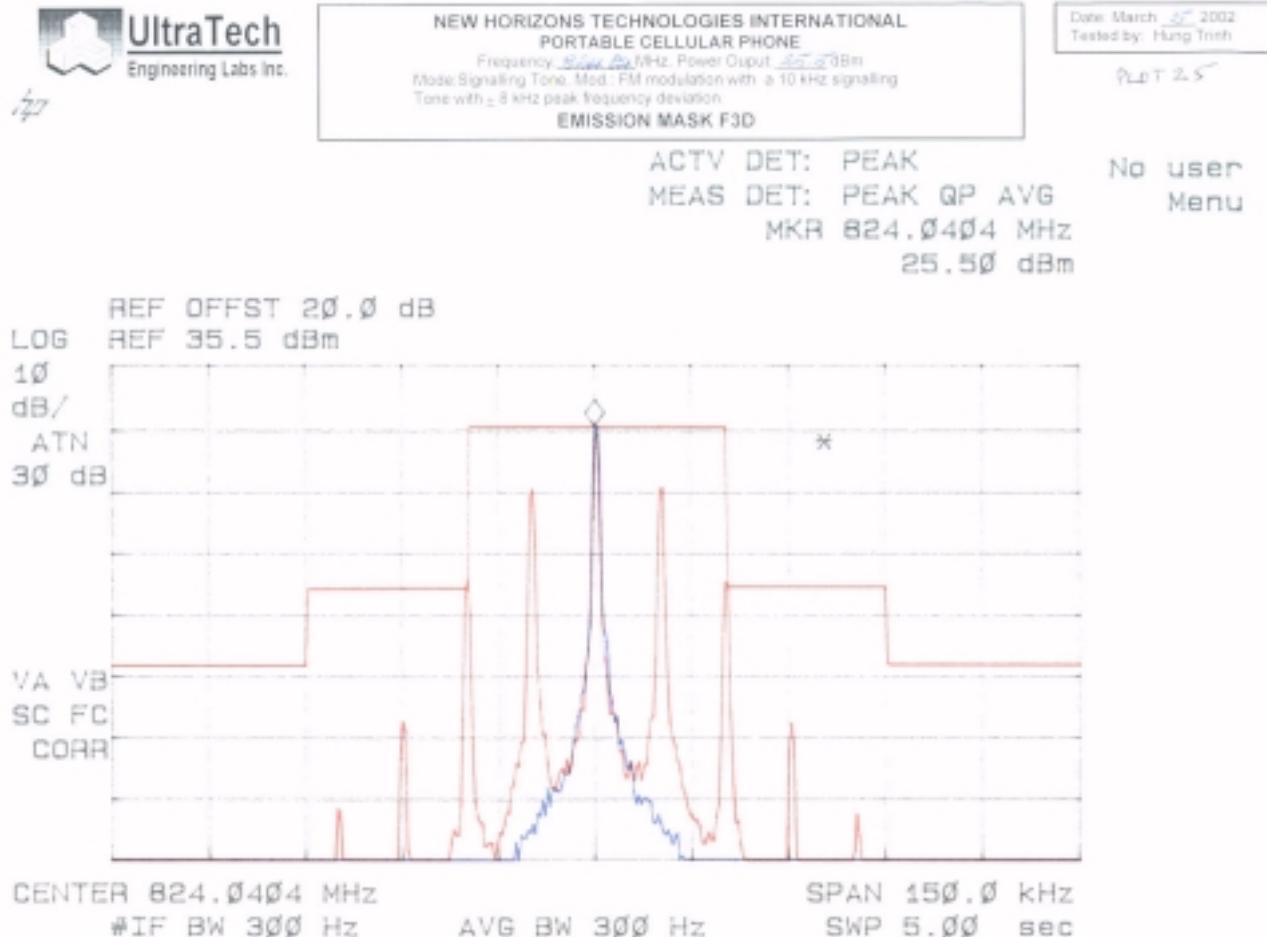
Portable/Handheld Cellular Phone, Model 1100A

Plot # 24  
FCC ID: P4F1100A



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

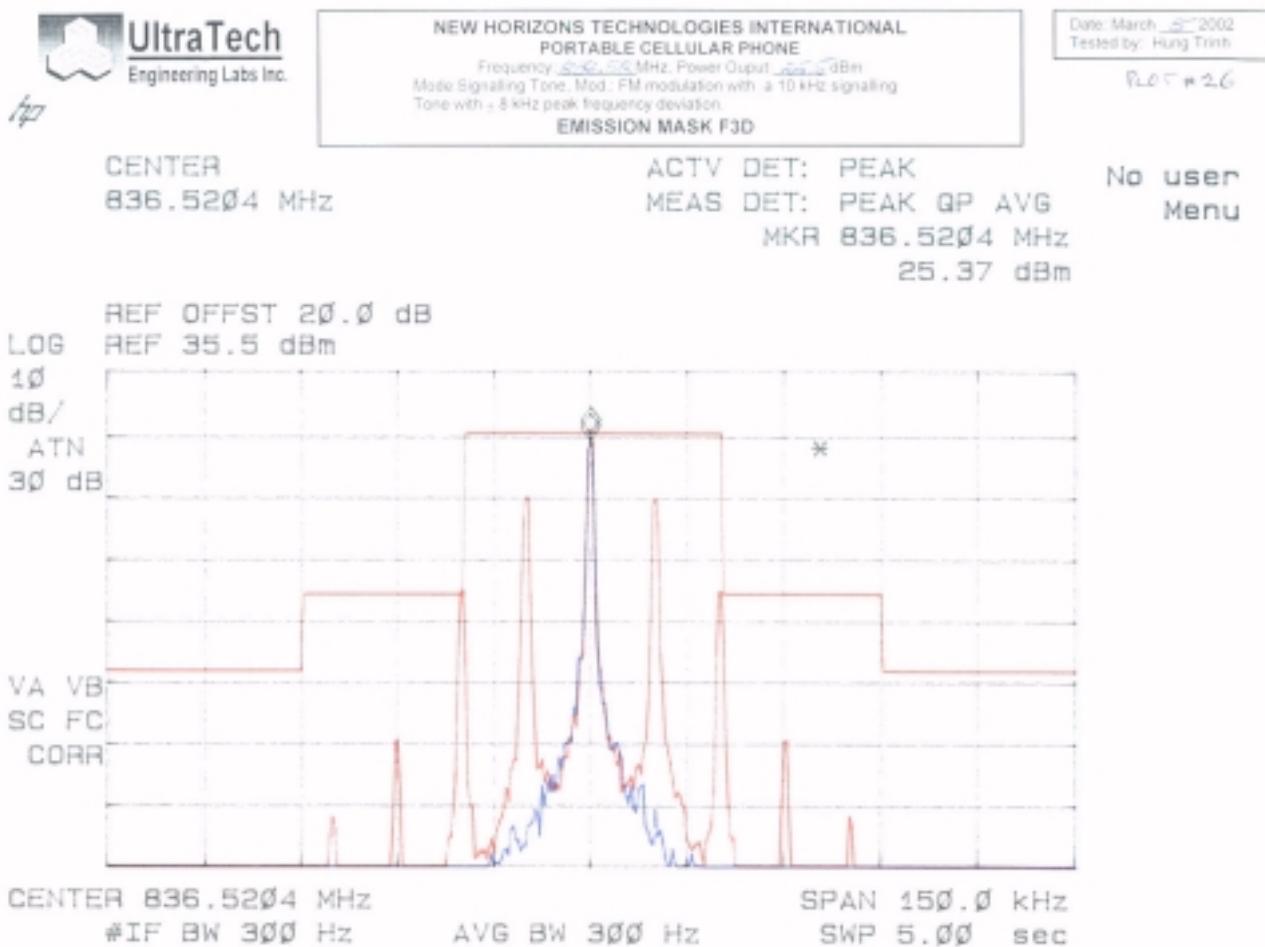
**Plot # 25**  
FCC ID: P4F1100A



# Annex 1: Measurement Plots - Emission Masks

Portable/Handheld Cellular Phone, Model 1100A

Plot # 26  
FCC ID: P4F1100A



# Annex 1: Measurement Plots - Emission Masks

Portable/Handheld Cellular Phone, Model 1100A

Plot # 27  
FCC ID: P4F1100A



**UltraTech**  
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NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE

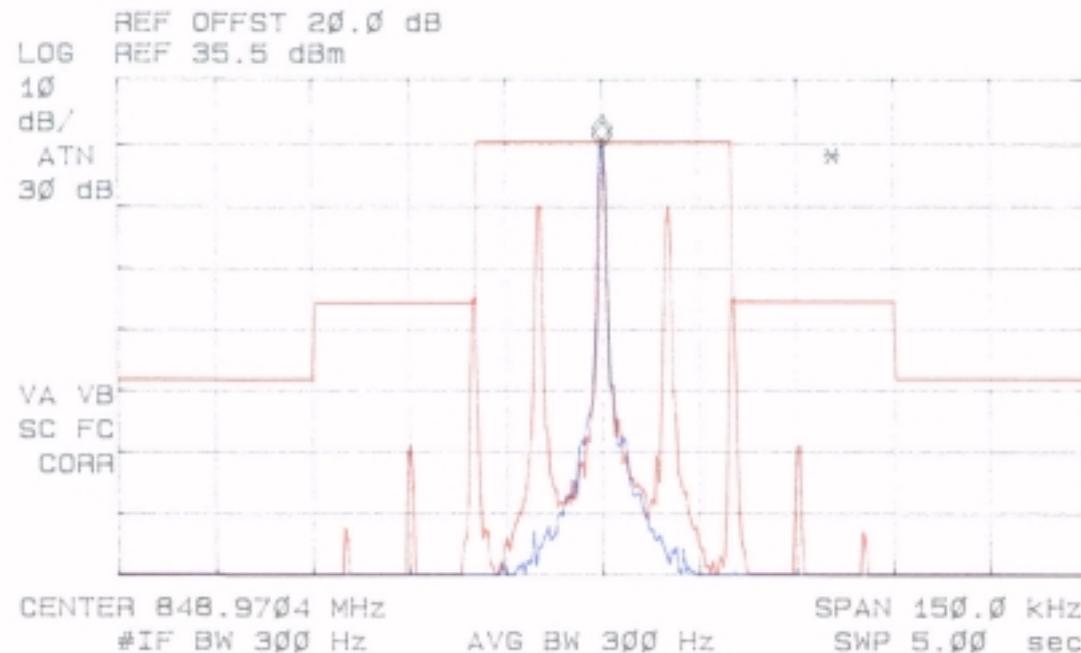
Frequency 848.9704 MHz, Power Output 25.36 dBm  
Mode: Signalling Tone, Mod: FM modulation with a 10 kHz signalling  
Tone with  $\pm 8$  kHz peak frequency deviation

EMISSION MASK F3D

Date: March 20, 2002  
Tested by: Hung Trinh

Plot # 27

CENTER 848.9704 MHz      ACTV DET: PEAK      No user  
LOG REF 35.5 dBm      MEAS DET: PEAK QP AVG  
10 dB/ATN      MKR 848.9704 MHz  
30 dB      25.36 dBm



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 28**  
FCC ID: P4F1100A

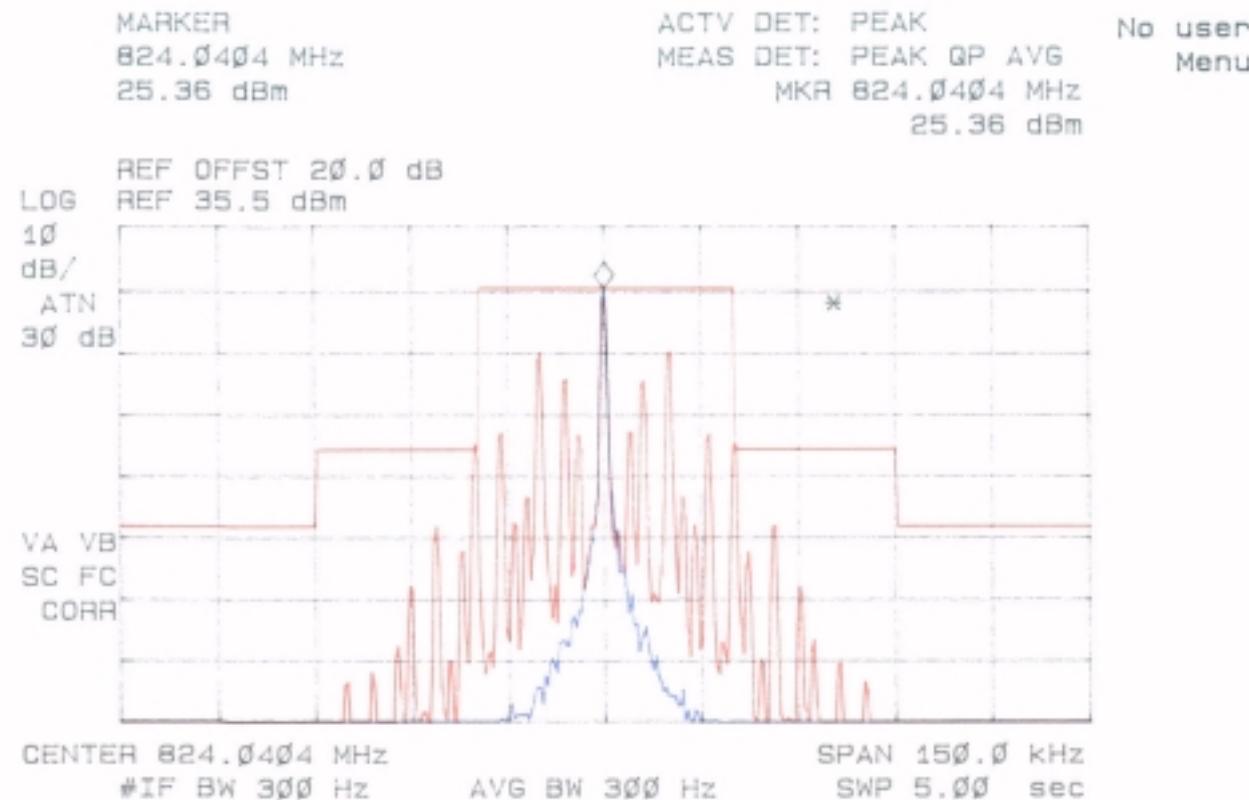


**UltraTech**  
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NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency 824.0404 MHz Power Output 2.0 mW  
Mode: ST & SAT. Modulation: FM modulation with combined of ST & SAT  
EMISSION MASK F3D

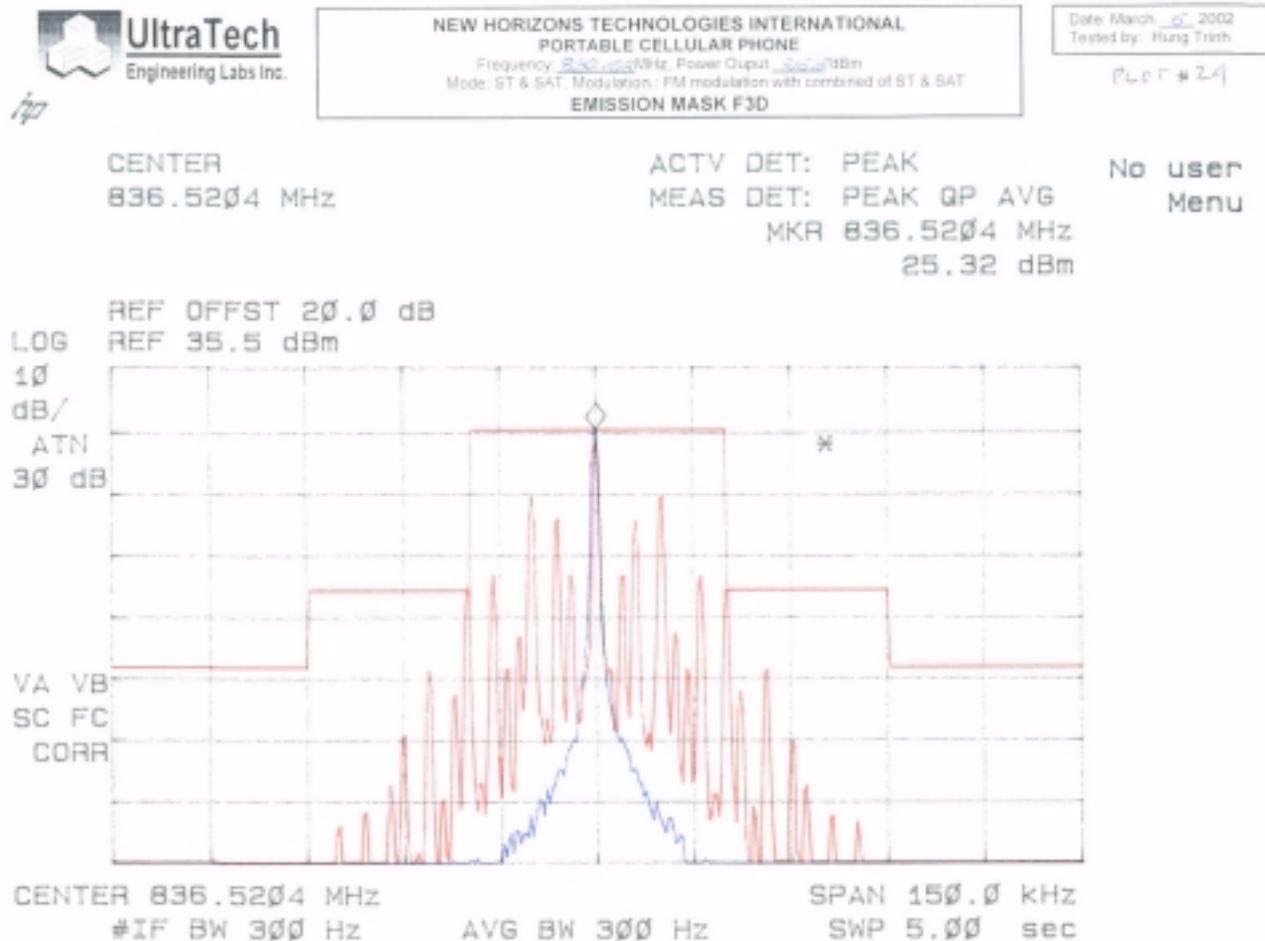
Date: March 25, 2002  
Tested by: Hung Trinh

Plot # 28



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

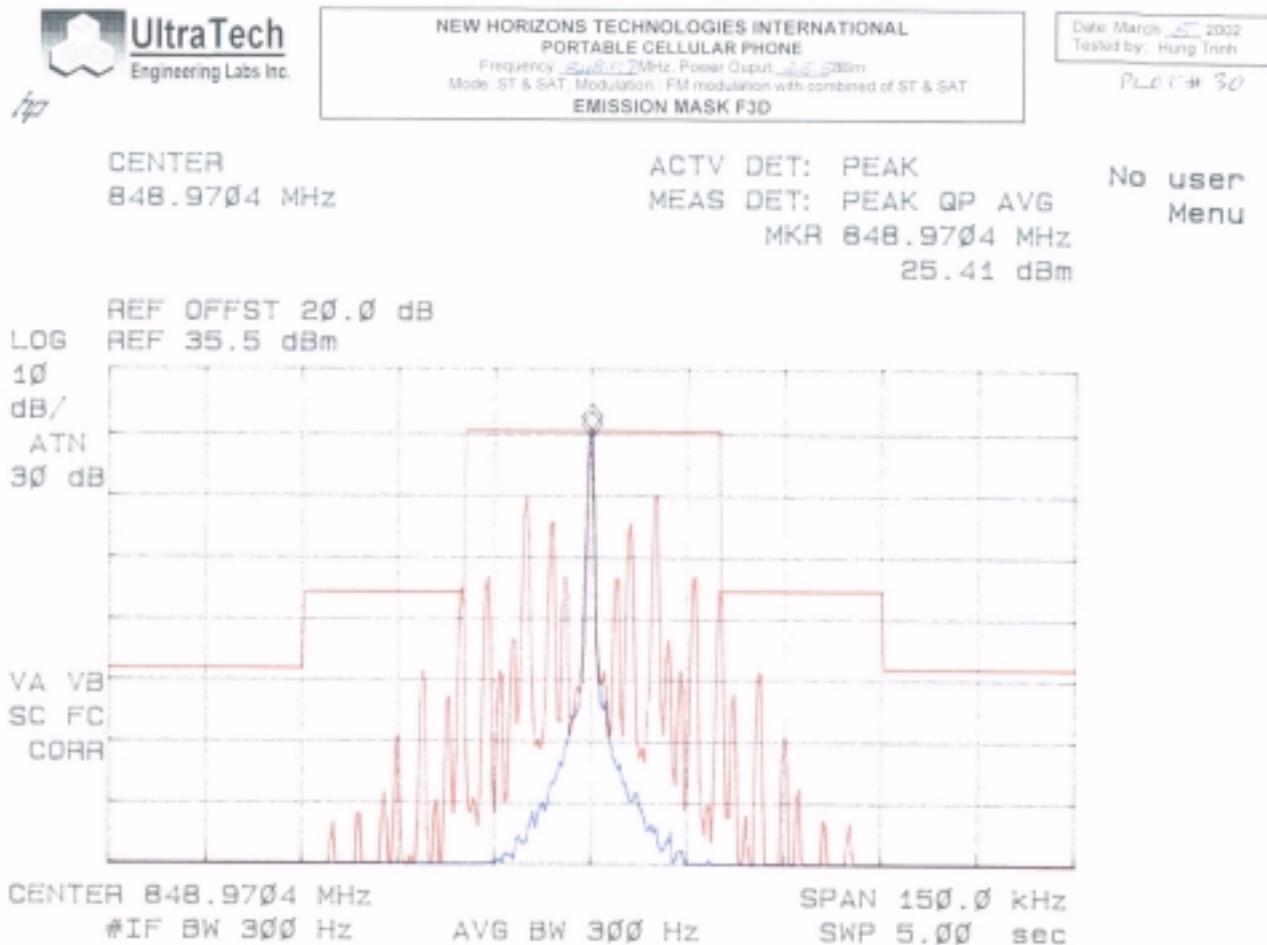
**Plot # 29**  
FCC ID: P4F1100A



# Annex 1: Measurement Plots - Emission Masks

Portable/Handheld Cellular Phone, Model 1100A

Plot # 30  
FCC ID: P4F1100A



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 31**  
FCC ID: P4F1100A



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NEW HORIZONS TECHNOLOGIES INTERNATIONAL

PORTABLE CELLULAR PHONE

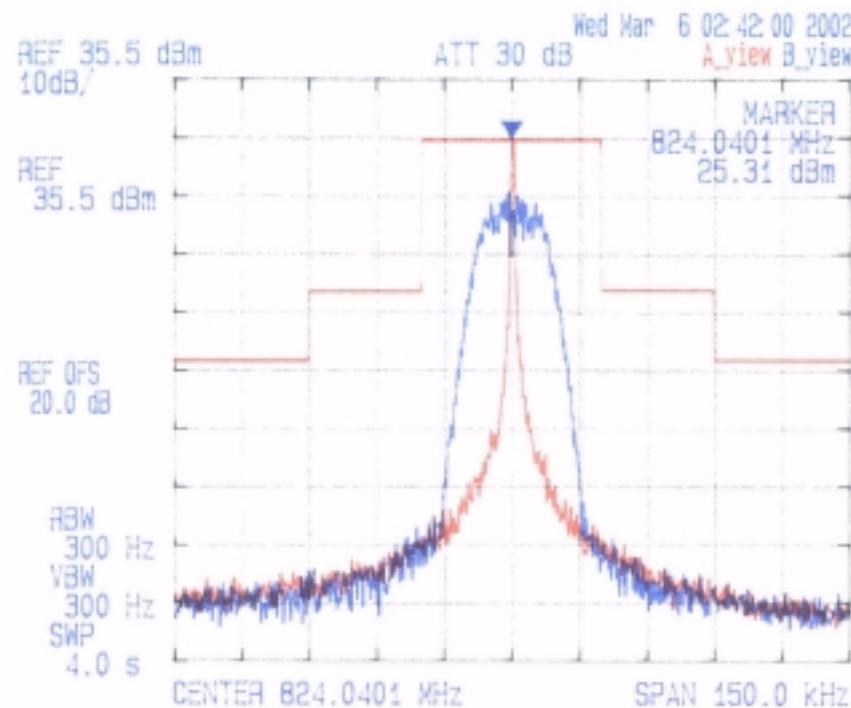
Frequency 824.0401 MHz, Power Output 35.5 dBm

Model 1100A, Modulation DSSS

EMISSION MASK F3E

Date: March 07, 2002  
Tested by: Hung Trinh

PLT # 31



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

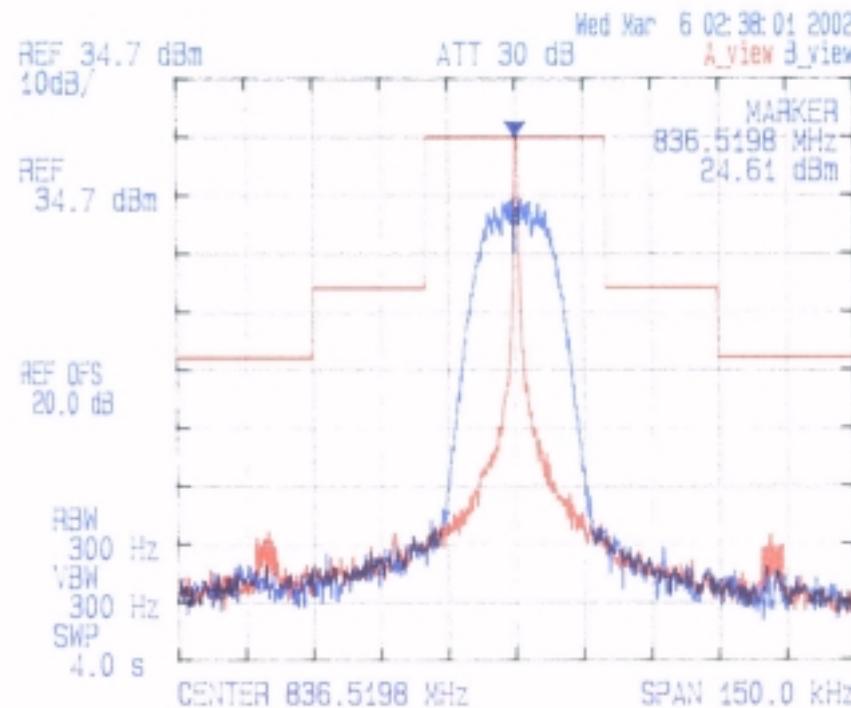
**Plot # 32**  
FCC ID: P4F1100A



NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency: 836.5198 MHz, Power Output: 24.61 dBm  
Mode: GPRS, Modulation: QPSK  
EMISSION MASK F3E

Date: March 20, 2002  
Tested by: Hung Trinh

Plot # 32



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 33**  
FCC ID: P4F1100A

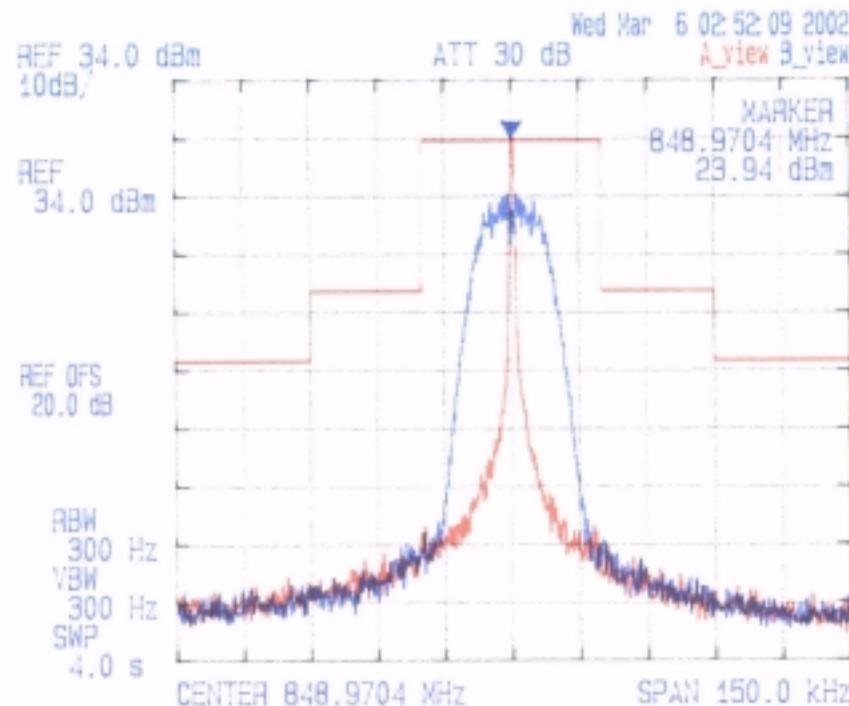


**UltraTech**  
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NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency 848.9704 MHz Power Output 34.0 dBm  
Mode DAM Modulation DAM  
EMISSION MASK F3E

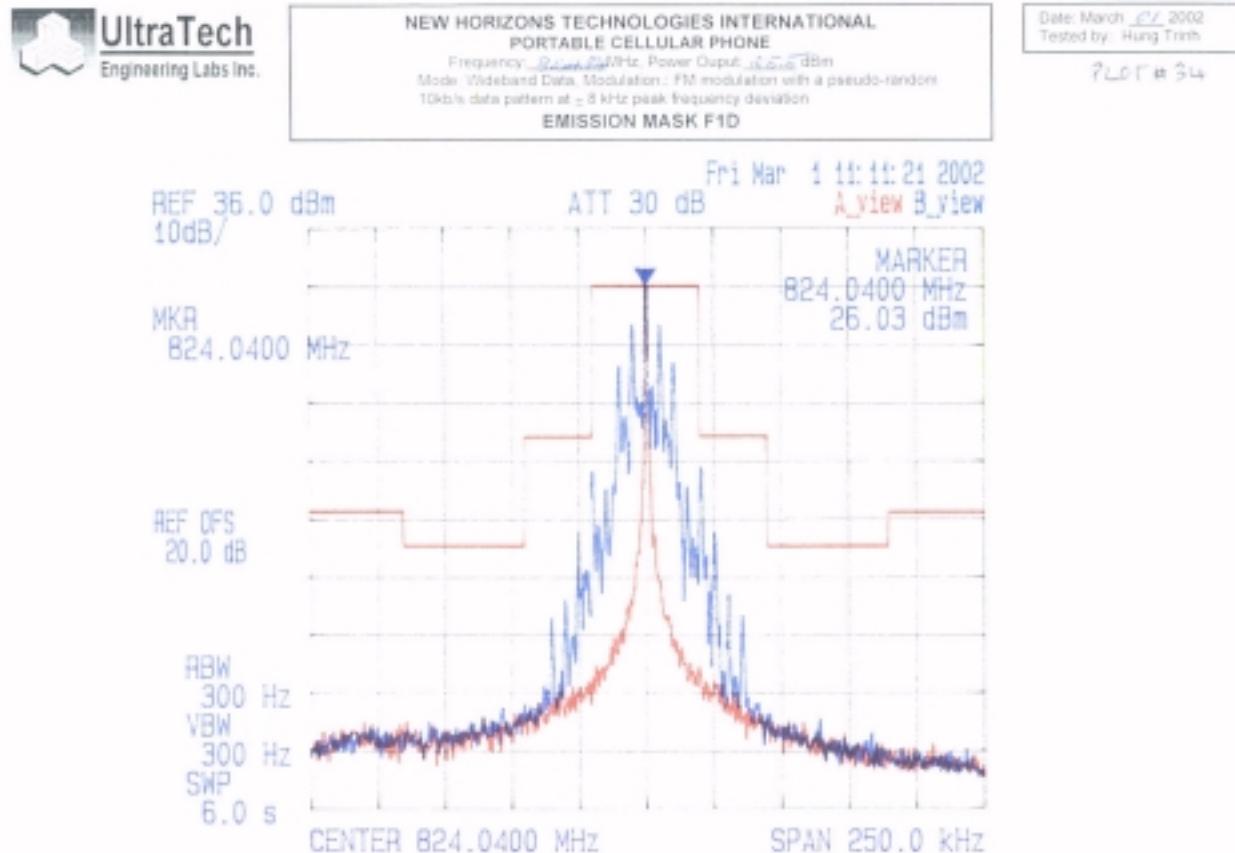
Date: March 06 2002  
Tested by: Hung Trinh

Plot # 33



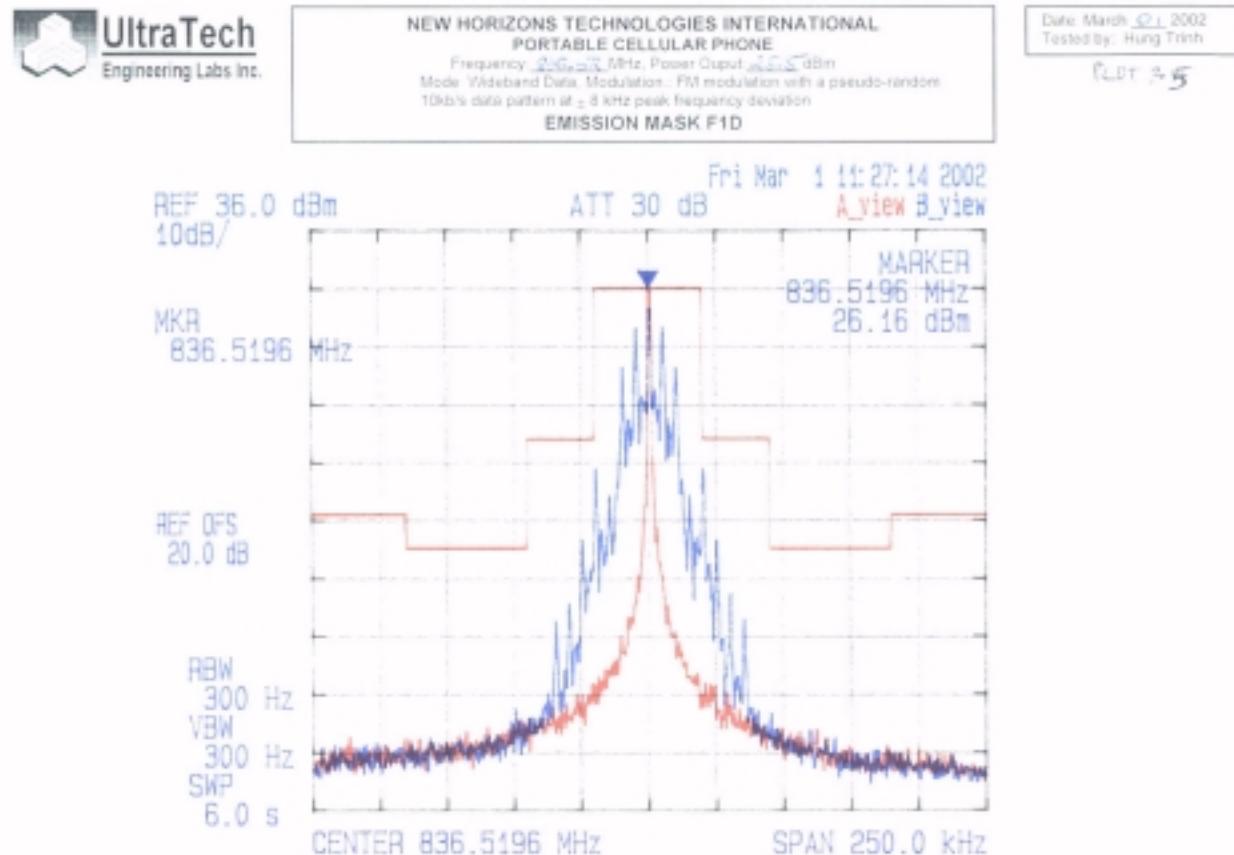
**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 34**  
FCC ID: P4F1100A



**Annex 1: Measurement Plots - Emission Masks**  
Portable/Handheld Cellular Phone, Model 1100A

**Plot # 35**  
FCC ID: P4F1100A



## Annex 1: Measurement Plots - Emission Masks

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Plot # 36  
FCC ID: P4F1100A



NEW HORIZONS TECHNOLOGIES INTERNATIONAL  
PORTABLE CELLULAR PHONE  
Frequency 848.970 MHz, Power Output 26.06 dBm  
Mode: Wideband Data Modulation: FM modulation with a pseudo-random  
10kb/s data pattern at  $\pm$  8 kHz peak frequency deviation  
EMISSION MASK F1D

Date: March 22, 2002  
Tested by: Hung Trinh

Plot # 36

