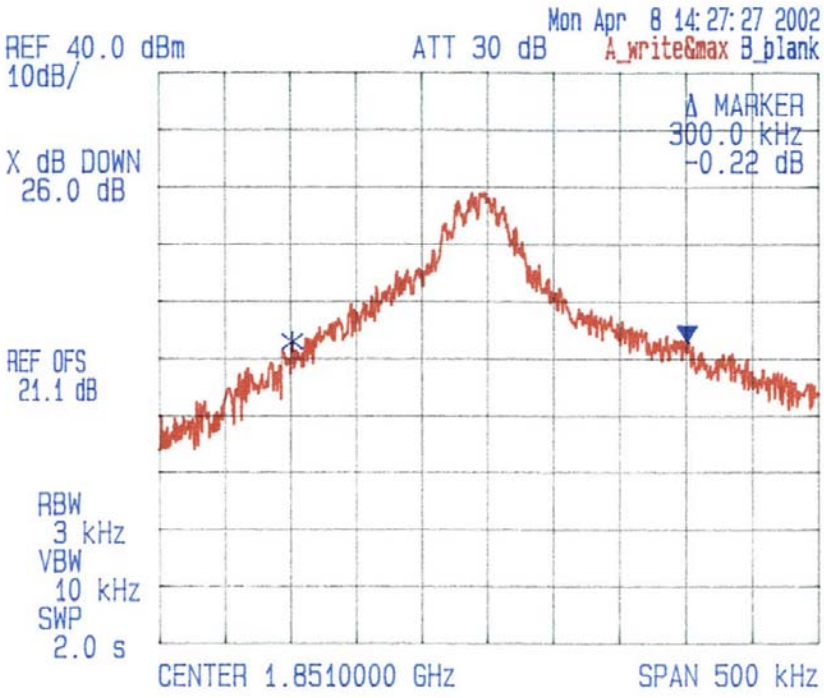
ANNEX 1 - TEST DATA PLOTS

Plot # 24
26 dB Bandwidth
Carrier Frequency: 1851 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1851 MHz, Modulation: TDMA
26 dB Bandwidth

Date: April 8 2002
Tested by: Hung Trinh



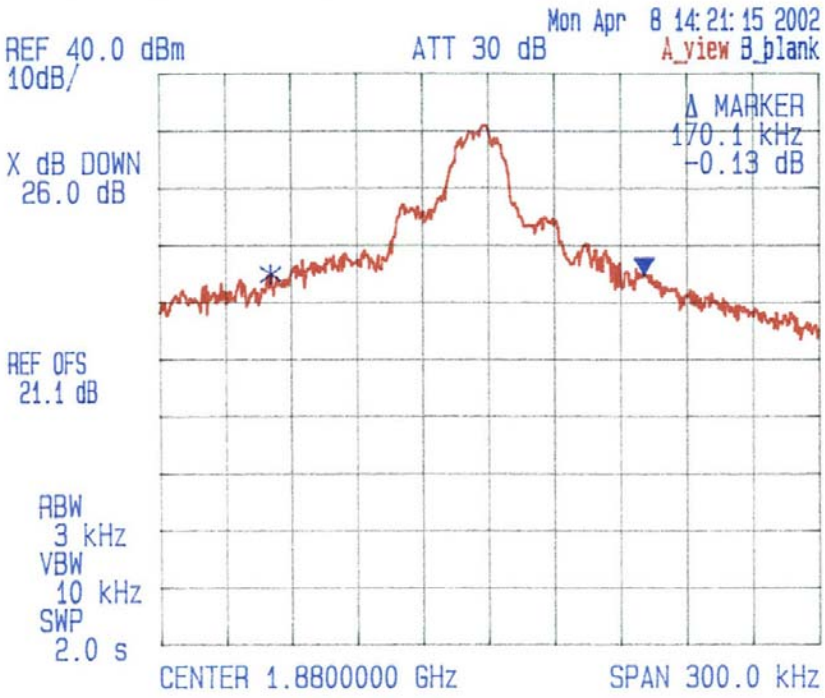
ANNEX 1 - TEST DATA PLOTS

Plot # 25
26 dB Bandwidth
Carrier Frequency: 1880 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1880 MHz, Modulation: TDMA
26 dB Bandwidth

Date: April 9 2002
Tested by: Hung Trinh



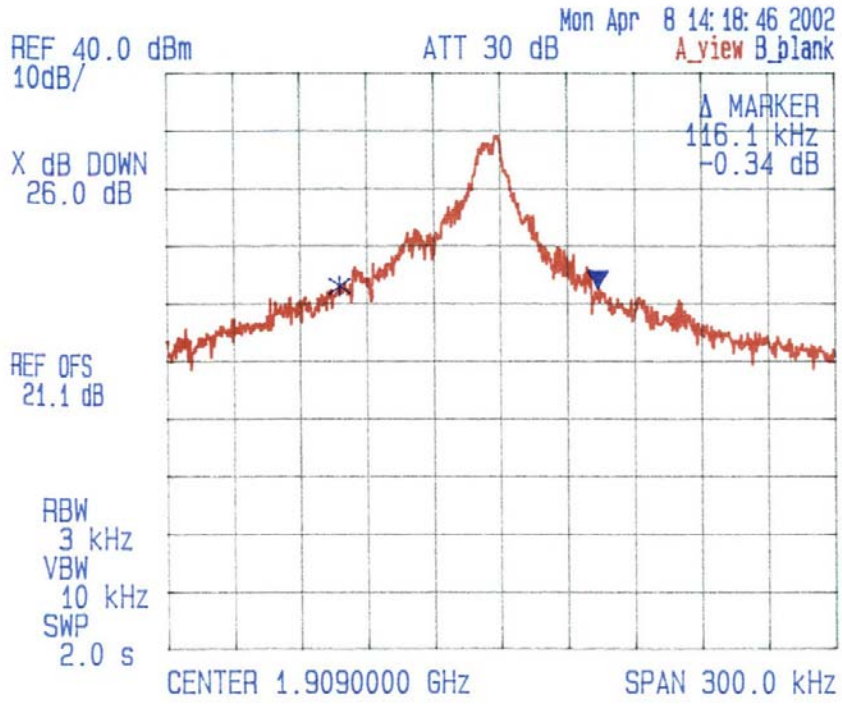
ANNEX 1 - TEST DATA PLOTS

Plot # 26
26 dB Bandwidth
Carrier Frequency: 1909 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1909 MHz, Modulation: TDMA
26 dB Bandwidth

Date: April 8 2002
Tested by: Hung Trinh

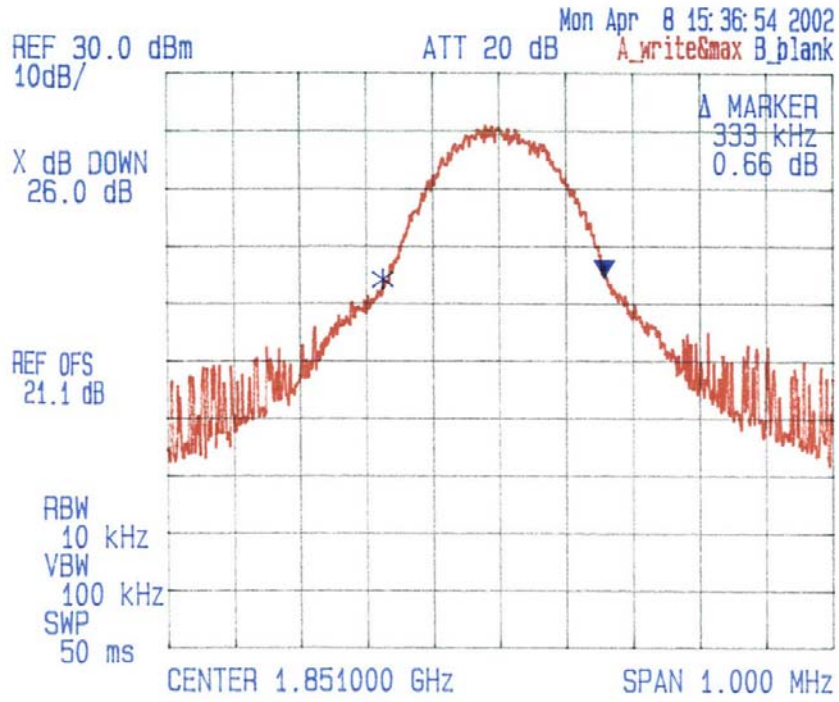


Plot # 27
26 dB Bandwidth
Carrier Frequency: 1851 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1851 MHz, Modulation: GSM
26 dB Bandwidth

Date: April 8 2002
Tested by: Hung Trinh



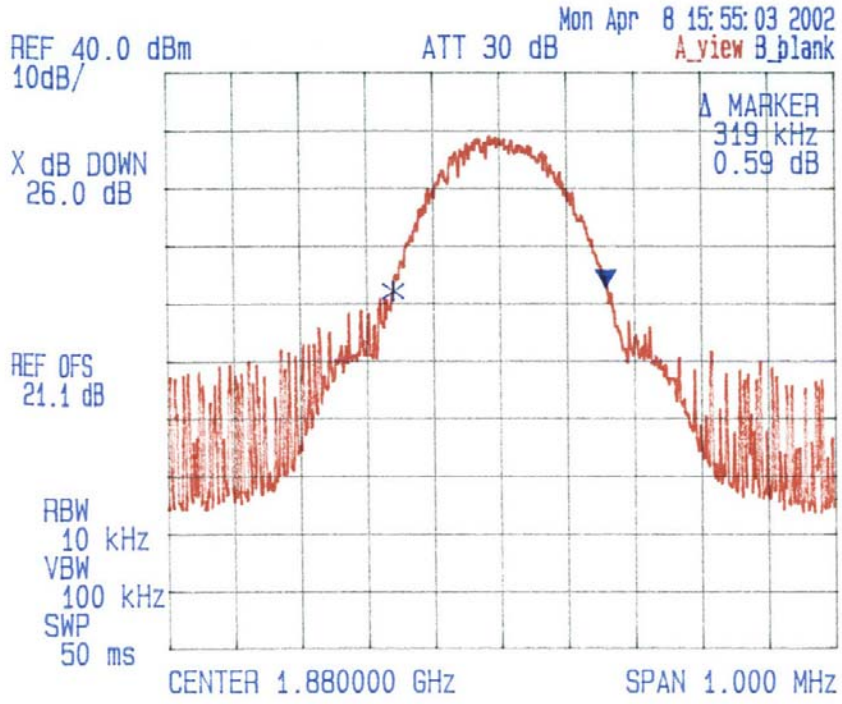
ANNEX 1 - TEST DATA PLOTS

Plot # 28
26 dB Bandwidth
Carrier Frequency: 1880 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

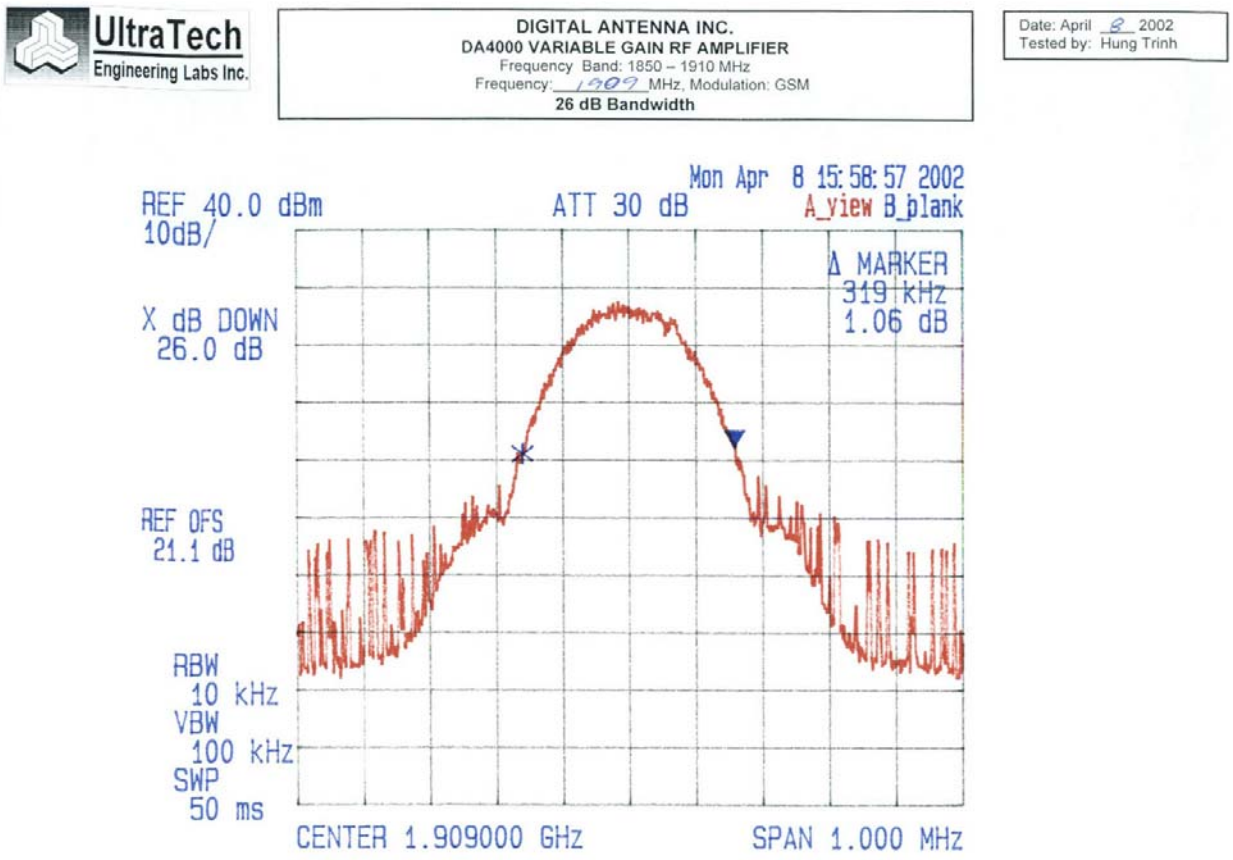
DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1880 MHz, Modulation: GSM
26 dB Bandwidth

Date: April 8 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

Plot # 29
26 dB Bandwidth
Carrier Frequency: 1909 MHz
Modulation: GSM



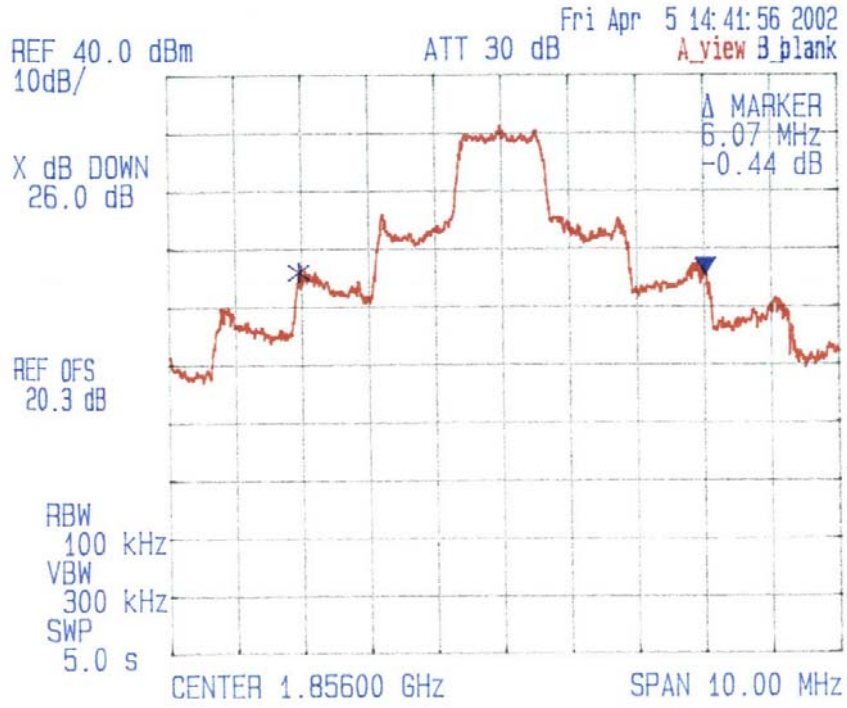
ANNEX 1 - TEST DATA PLOTS

Plot # 30
26 dB Bandwidth
Carrier Frequency: 1856 MHz
Modulation: CDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 – 1910 MHz
Frequency: 1856 MHz, Modulation: CDMA
26 dB Bandwidth

Date: April 5 2002
Tested by: Hung Trinh



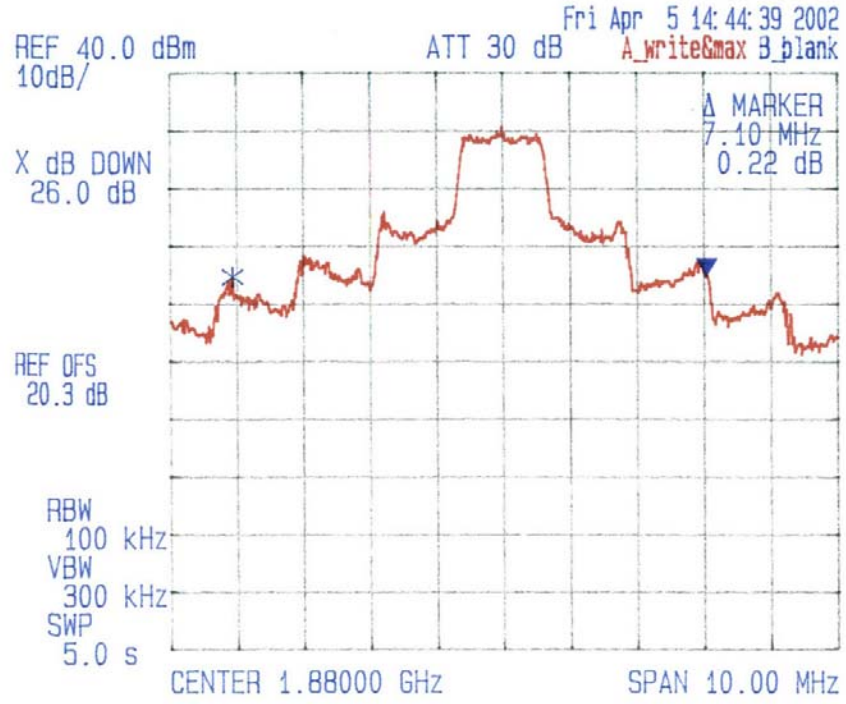
ANNEX 1 - TEST DATA PLOTS

Plot # 31
26 dB Bandwidth
Carrier Frequency: 1880 MHz
Modulation: CDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 - 1910 MHz
Frequency: 1880 MHz, Modulation: CDMA
26 dB Bandwidth

Date: April 5 2002
Tested by: Hung Trinh



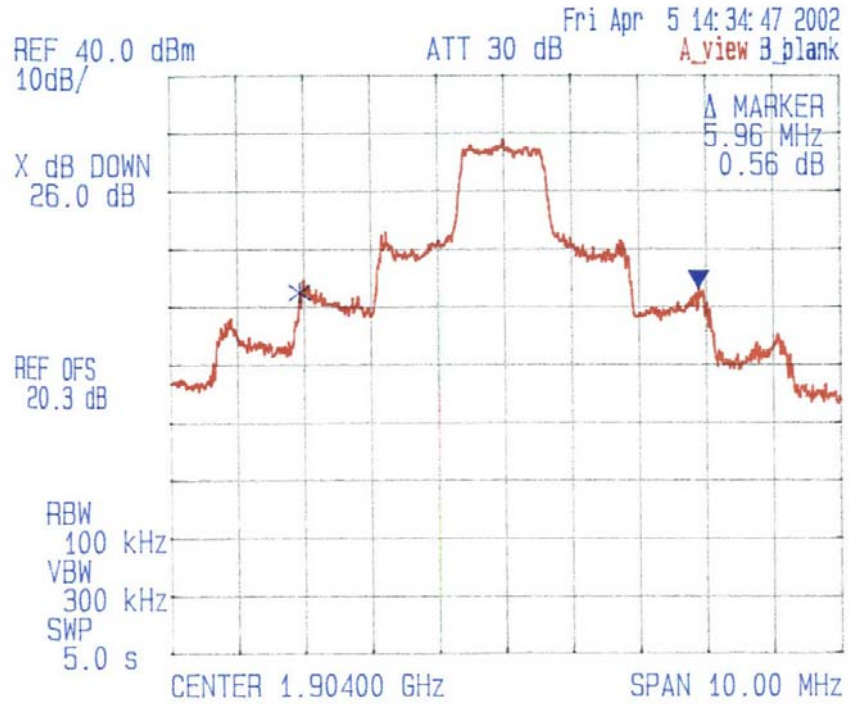
ANNEX 1 - TEST DATA PLOTS

Plot # 32
26 dB Bandwidth
Carrier Frequency: 1904 MHz
Modulation: CDMA

UltraTech Engineering Labs Inc.

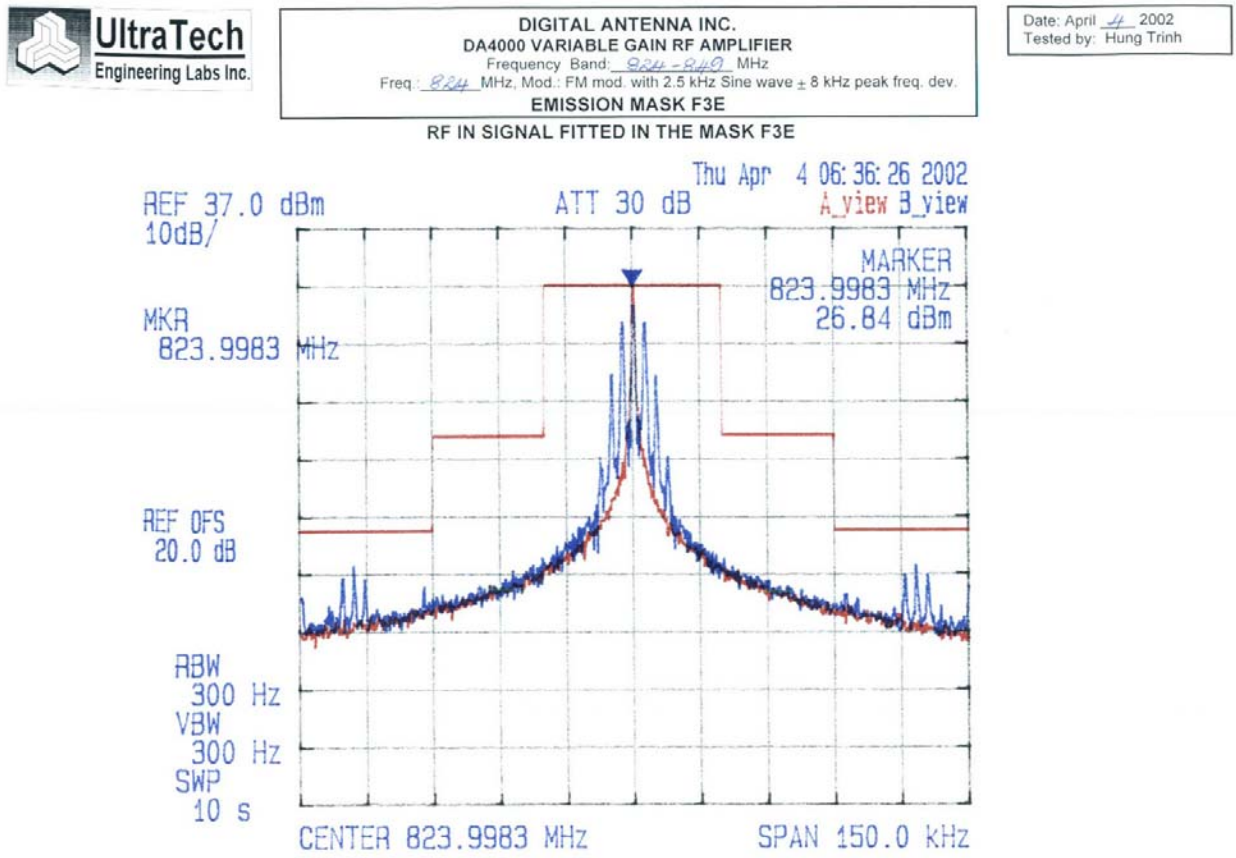
DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 1850 - 1910 MHz
Frequency: 1904 MHz, Modulation: CDMA
26 dB Bandwidth

Date: April 5 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

Plot # 33
Emission Mask (F3E)
Carrier Frequency: 824 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation



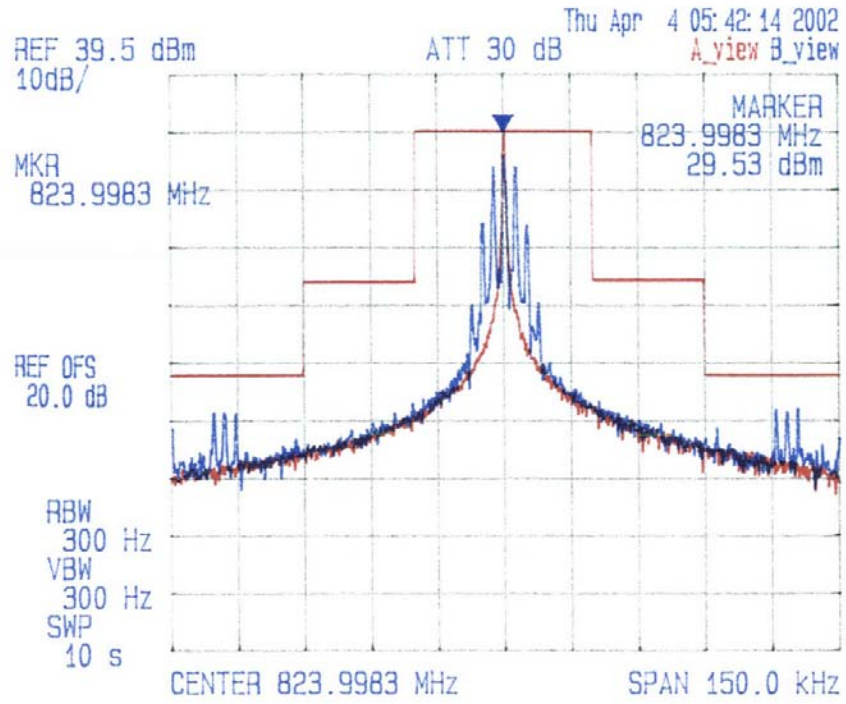
ANNEX 1 - TEST DATA PLOTS

Plot # 34
Emission Mask (F3E)
Carrier Frequency: 824 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation

UltraTech Engineering Labs Inc.

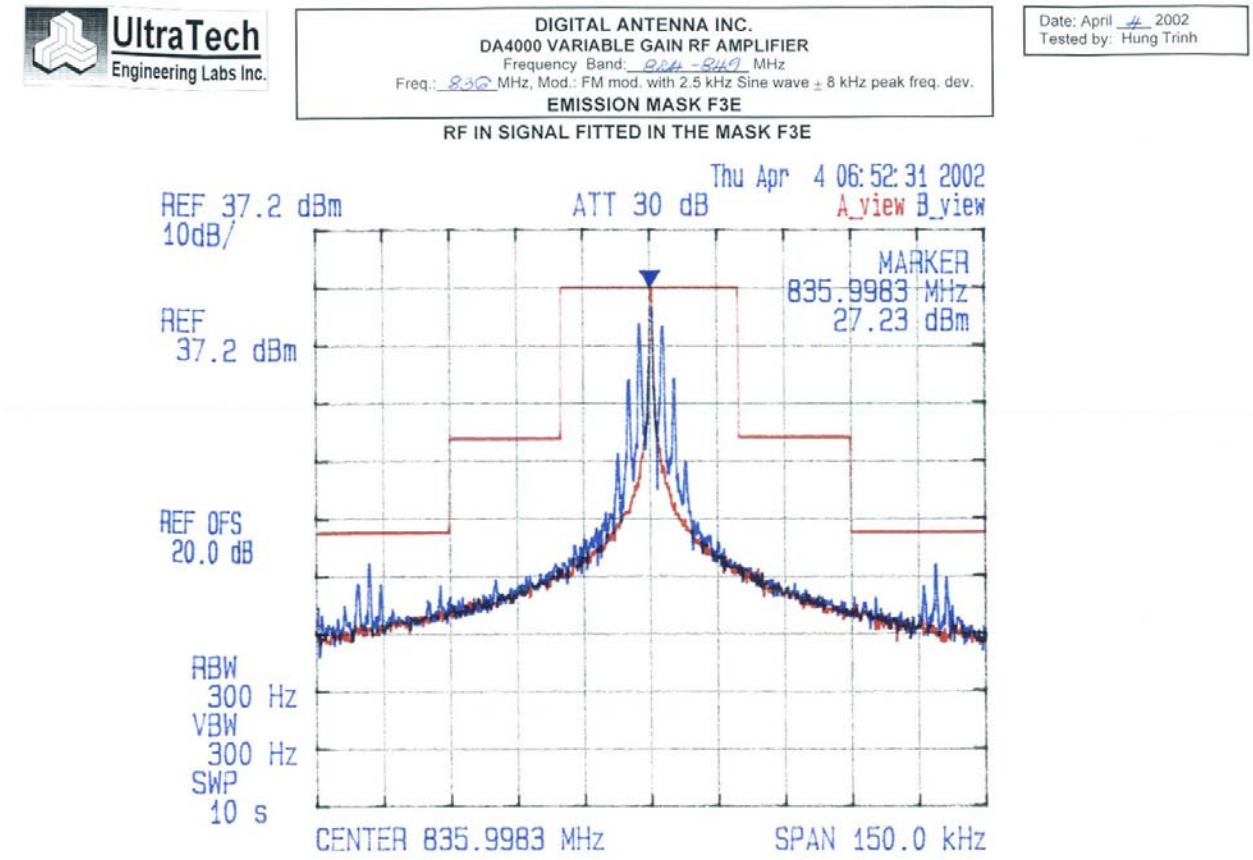
DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Freq: 824 MHz, Mod.: FM mod. with 2.5 kHz Sine wave ± 8 kHz peak freq. dev.
EMISSION MASK F3E

Date: April 4 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

Plot # 35
Emission Mask (F3E)
Carrier Frequency: 836 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation



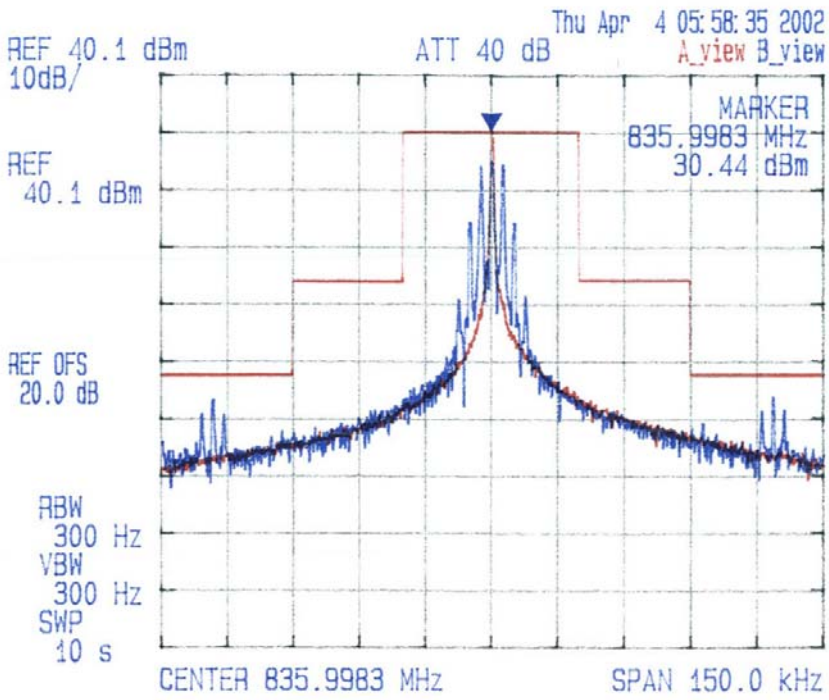
ANNEX 1 - TEST DATA PLOTS

Plot # 36
Emission Mask (F3E)
Carrier Frequency: 836 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation

UltraTech Engineering Labs Inc.

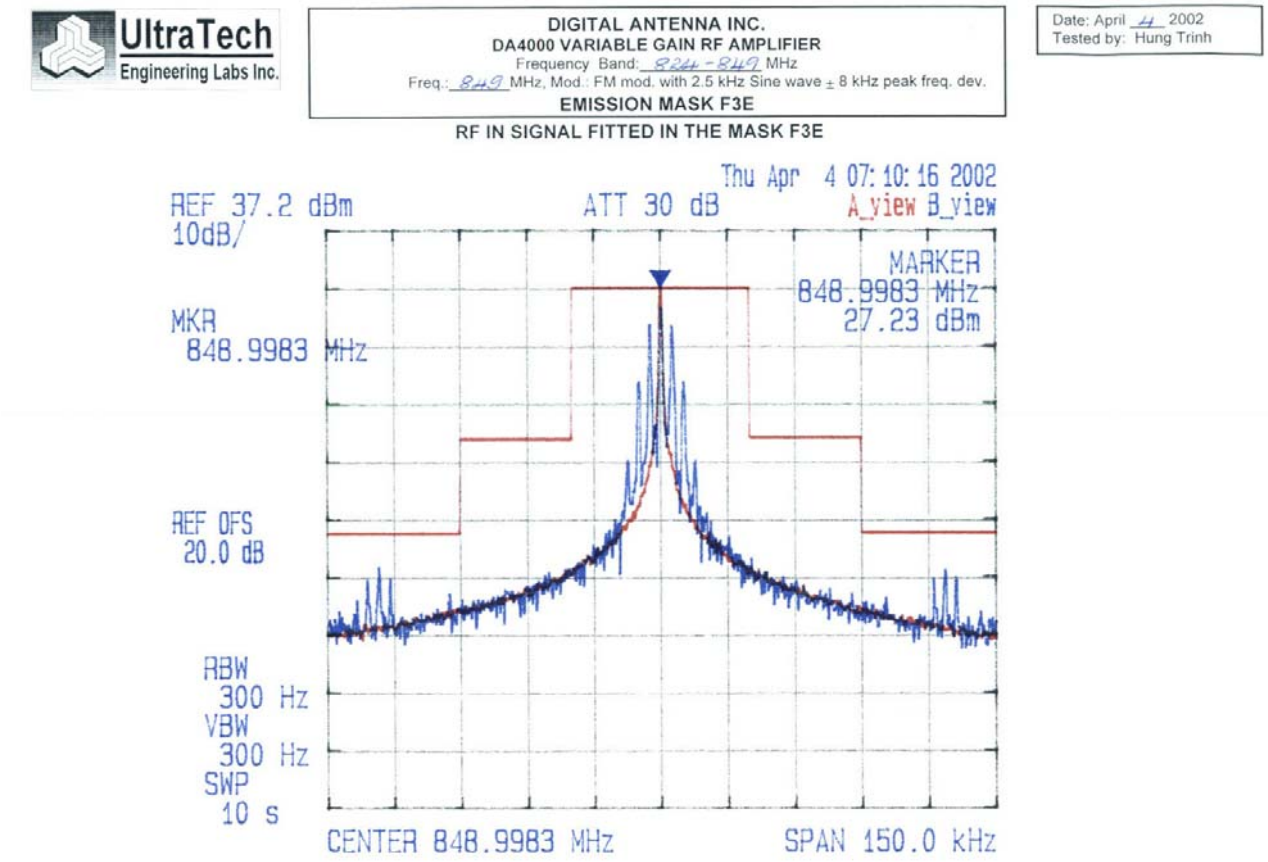
DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Freq.: 836 MHz, Mod.: FM mod. with 2.5 kHz Sine wave ± 8 kHz peak freq. dev.
EMISSION MASK F3E

Date: April 4 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

Plot # 37
Emission Mask (F3E)
Carrier Frequency: 849 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation



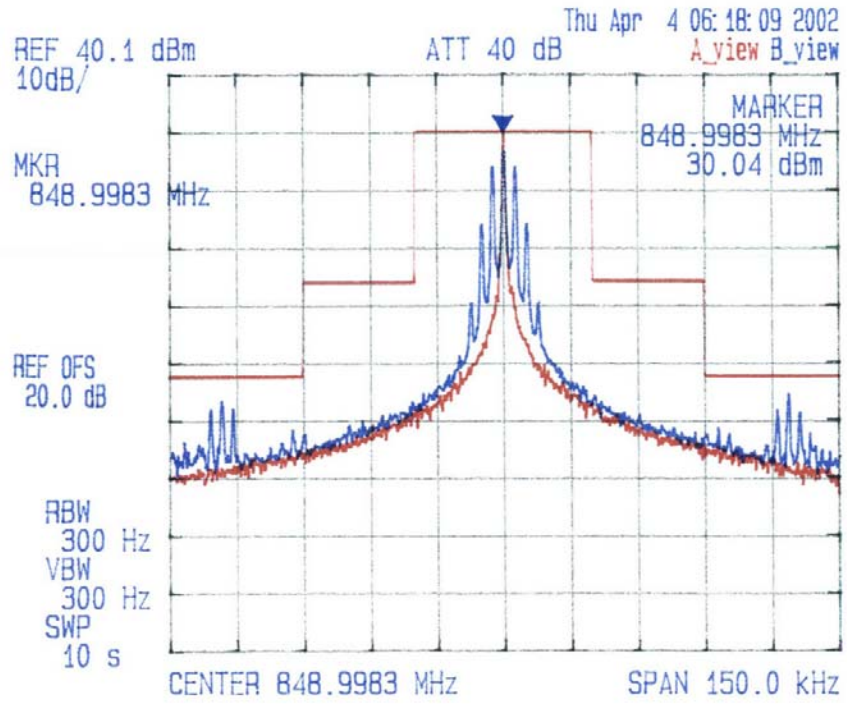
ANNEX 1 - TEST DATA PLOTS

Plot # 38
Emission Mask (F3E)
Carrier Frequency: 849 MHz
Modulation: FM with 2.5 kHz sine wave ± 8 kHz peak frequency deviation

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Freq.: 849 MHz, Mod.: FM mod. with 2.5 kHz Sine wave ± 8 kHz peak freq. dev.
EMISSION MASK F3E

Date: April 4 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

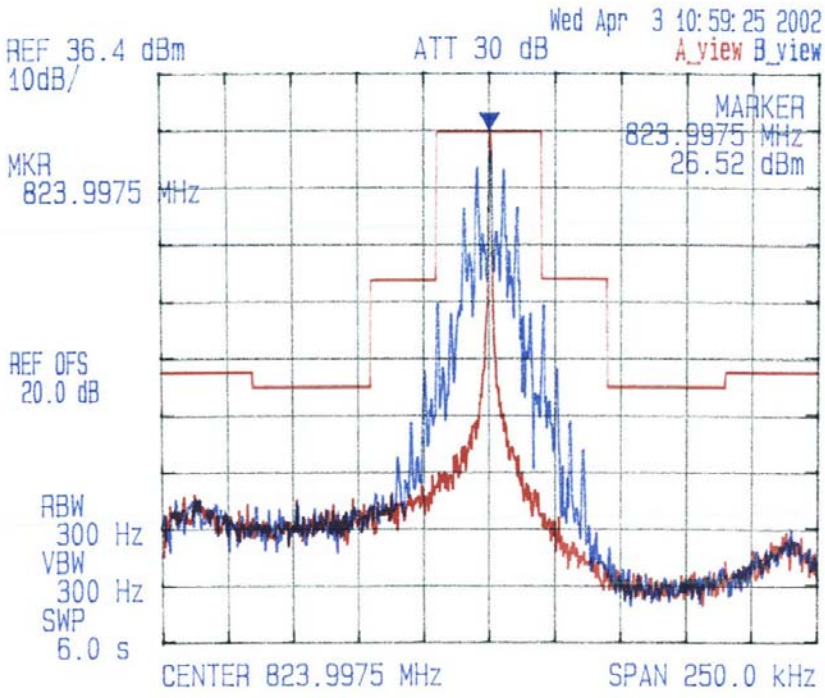
Plot # 39
Emission Mask (F1D)
Carrier Frequency: 824 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 824 MHz, Modulation: FM modulation with a pseudo random 10 kb/s data pattern at ± 8 kHz peak frequency deviation.
EMISSION MASK F1D

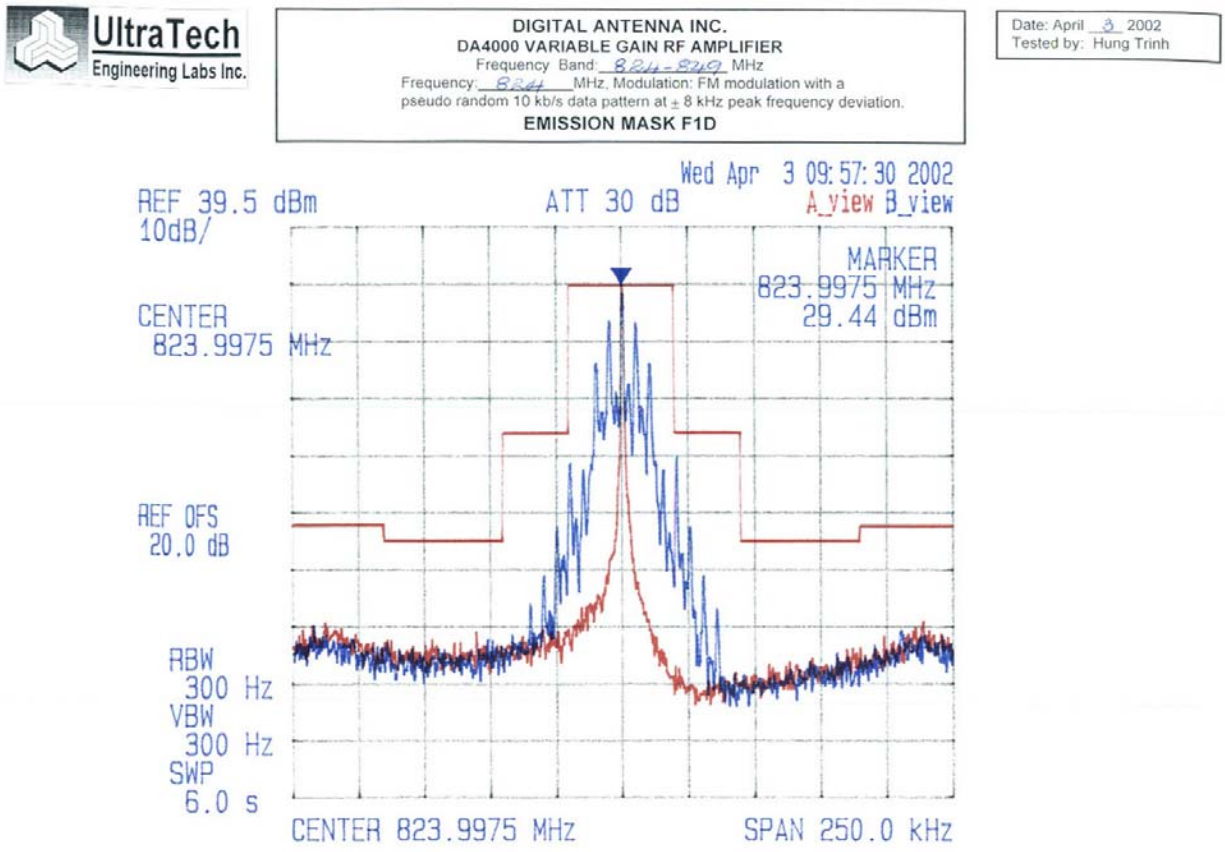
Date: April 3 2002
Tested by: Hung Trinh

RF IN SIGNAL FITTED IN THE MASK F1D



ANNEX 1 - TEST DATA PLOTS

Plot # 40
Emission Mask (F1D)
Carrier Frequency: 824 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation



ANNEX 1 - TEST DATA PLOTS

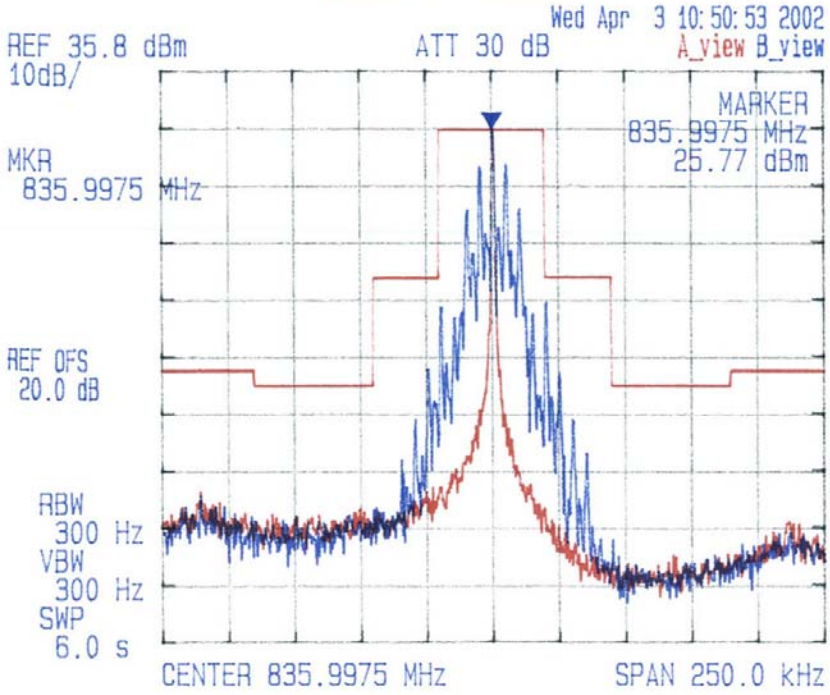
Plot # 41
Emission Mask (F1D)
Carrier Frequency: 836 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 836 MHz, Modulation: FM modulation with a pseudo random 10 kb/s data pattern at ± 8 kHz peak frequency deviation.
EMISSION MASK F1D

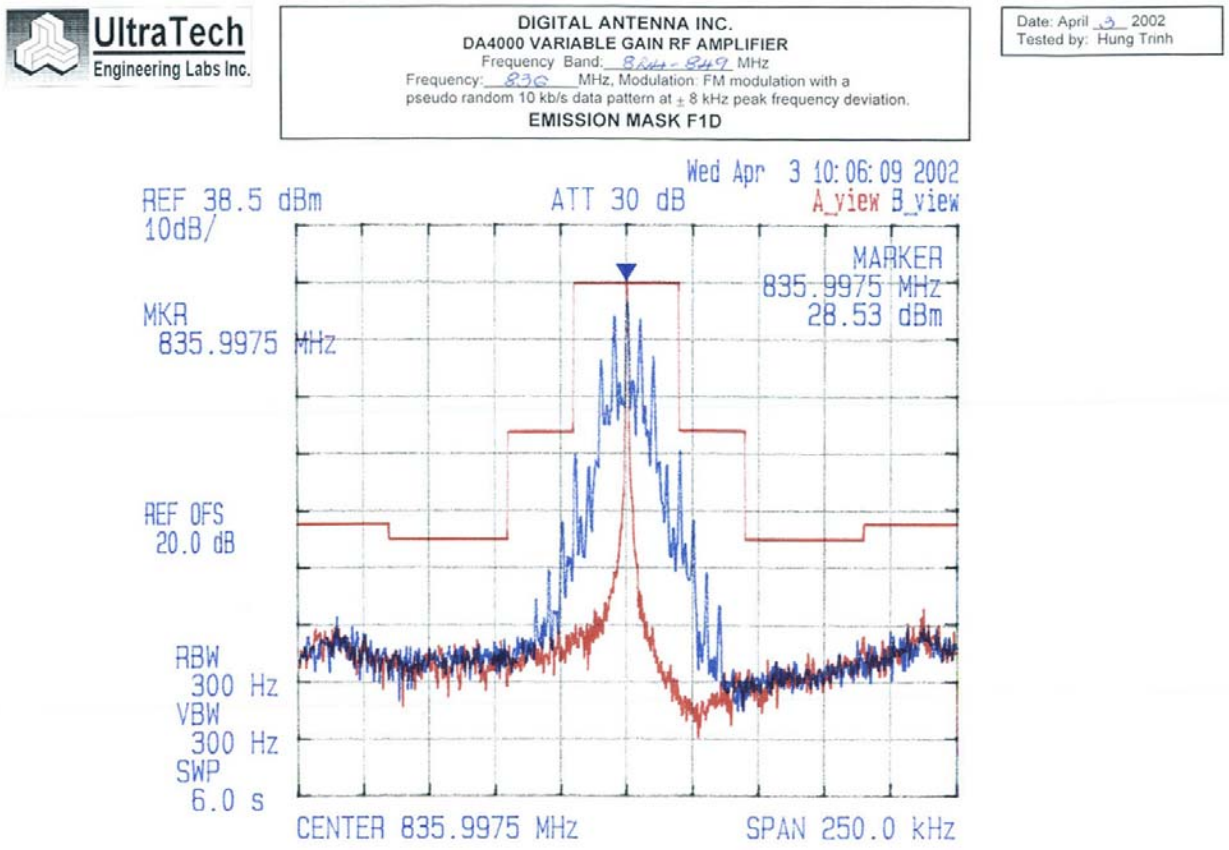
Date: April 3 2002
Tested by: Hung Trinh

RF IN SIGNAL FITTED IN THE MASK F1D



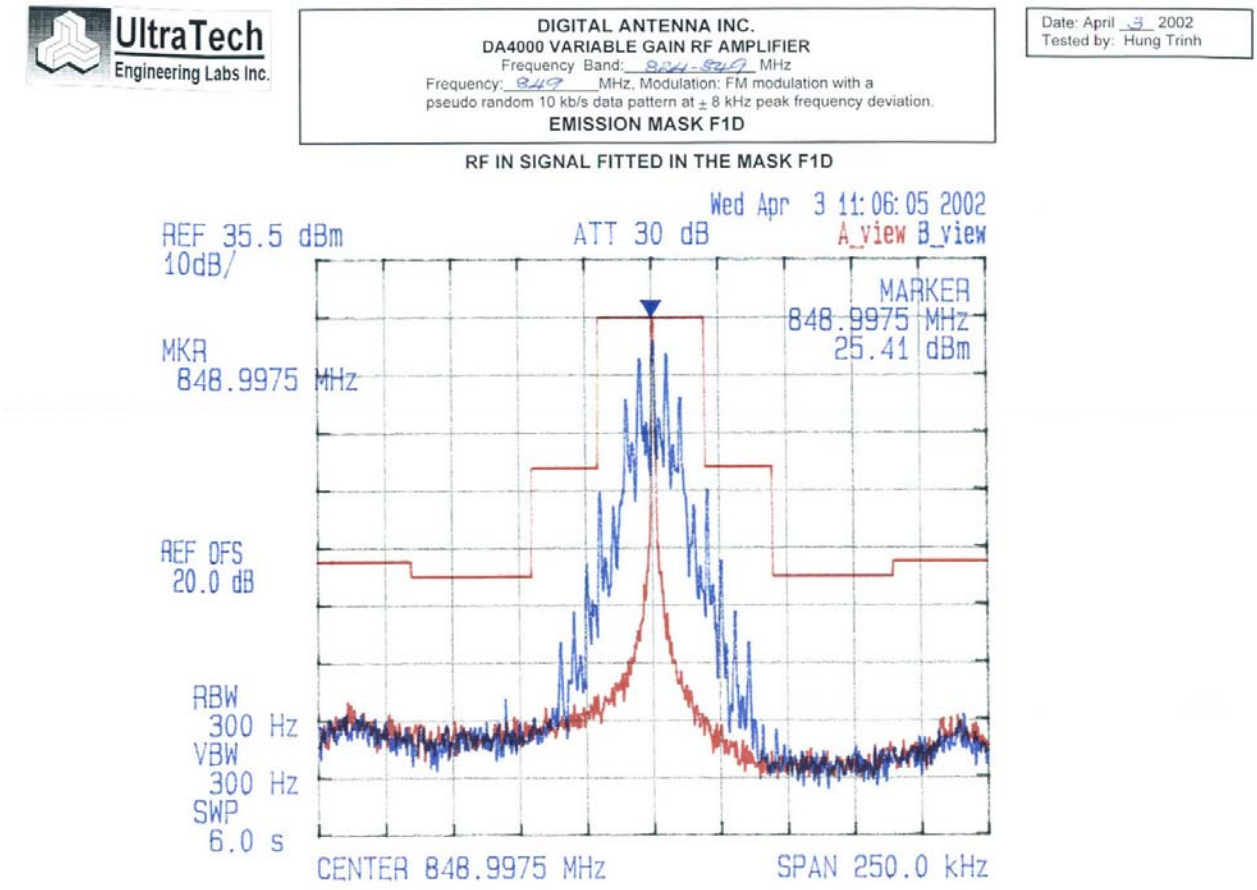
ANNEX 1 - TEST DATA PLOTS

Plot # 42
Emission Mask (F1D)
Carrier Frequency: 836 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation



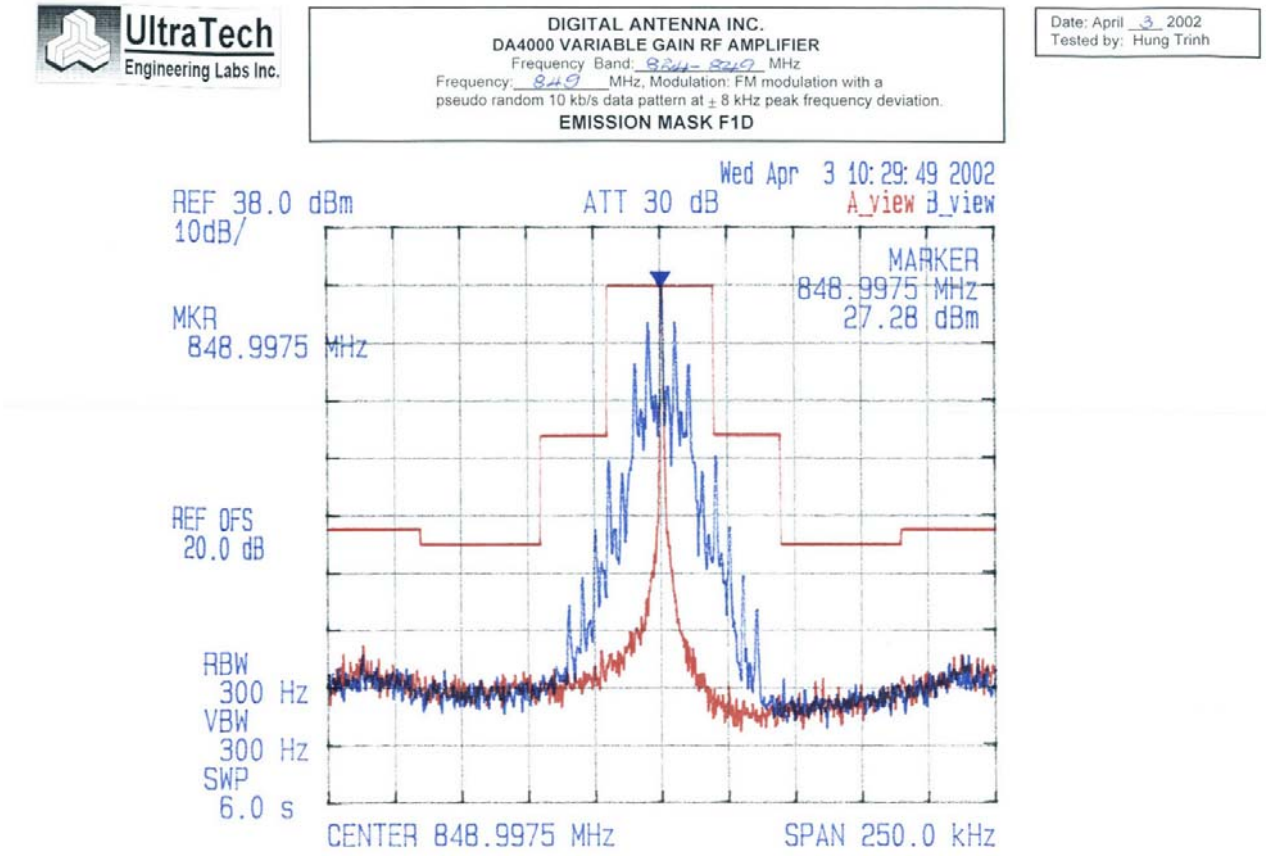
ANNEX 1 - TEST DATA PLOTS

Plot # 43
Emission Mask (F1D)
Carrier Frequency: 849 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation



ANNEX 1 - TEST DATA PLOTS

Plot # 44
Emission Mask (F1D)
Carrier Frequency: 849 MHz
Modulation: FM with 10 kbps pseudorandom data pattern ± 8 kHz peak frequency deviation



ANNEX 1 - TEST DATA PLOTS

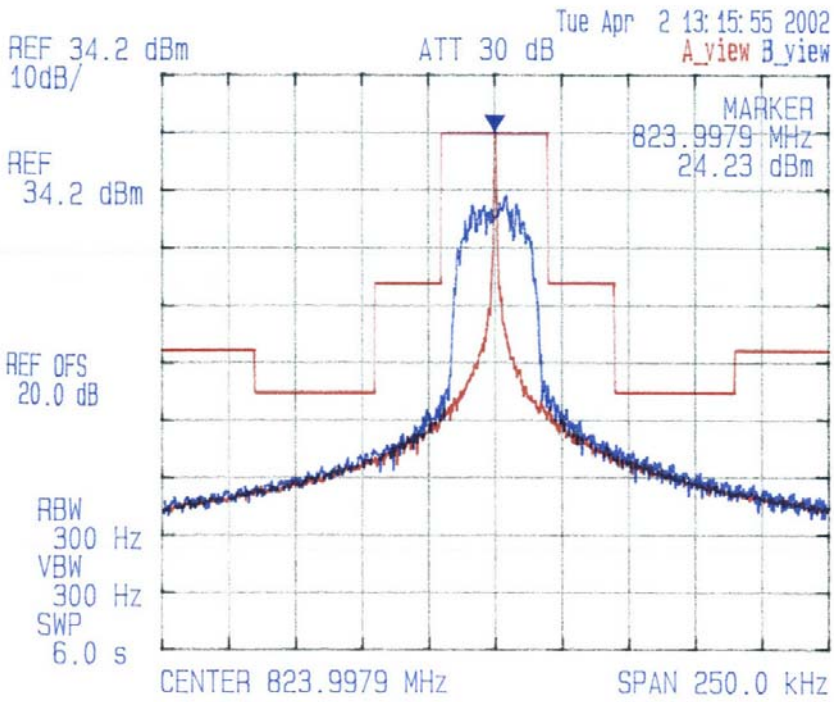
Plot # 45
Emission Mask (TDMA)
Carrier Frequency: 824 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 824 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 2, 2002
Tested by: Hung Trinh

RF IN SIGNAL FITTED IN THE MASK F1D



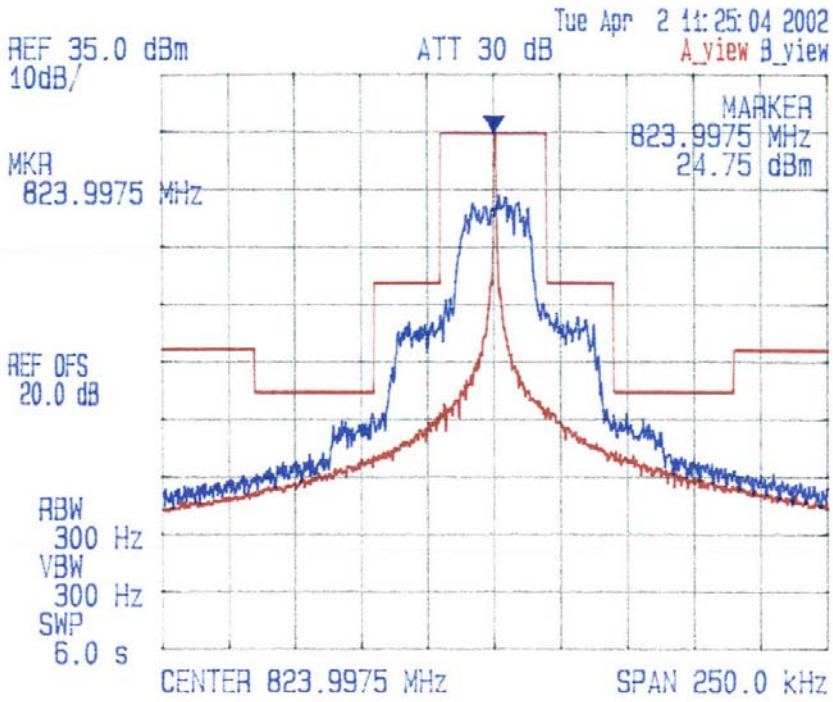
ANNEX 1 - TEST DATA PLOTS

Plot # 46
Emission Mask (TDMA)
Carrier Frequency: 824 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 824 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 02, 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

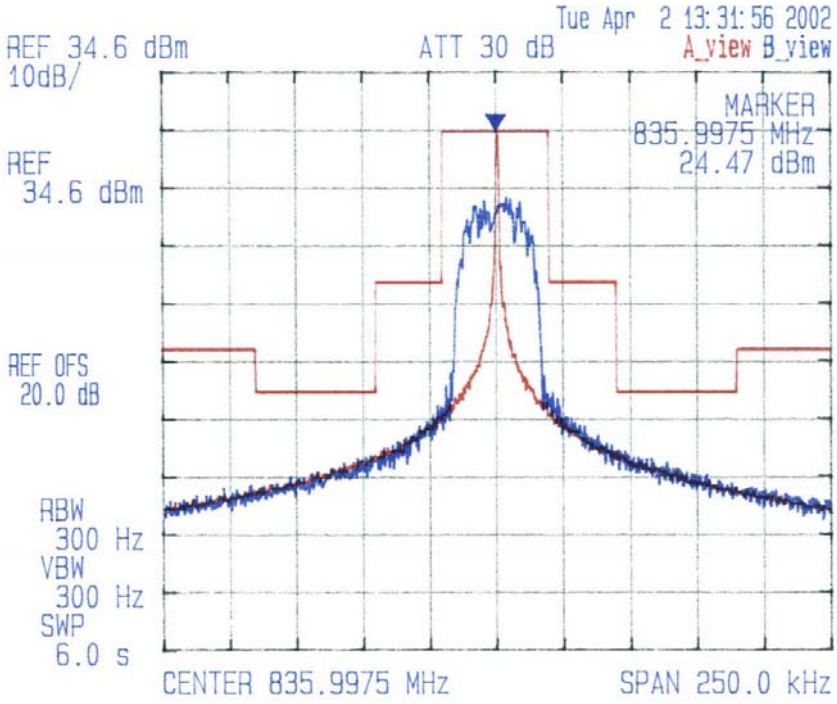
Plot # 47
Emission Mask (TDMA)
Carrier Frequency: 836 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 836 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 2, 2002
Tested by: Hung Trinh

RF IN SIGNAL FITTED IN THE MASK F1D



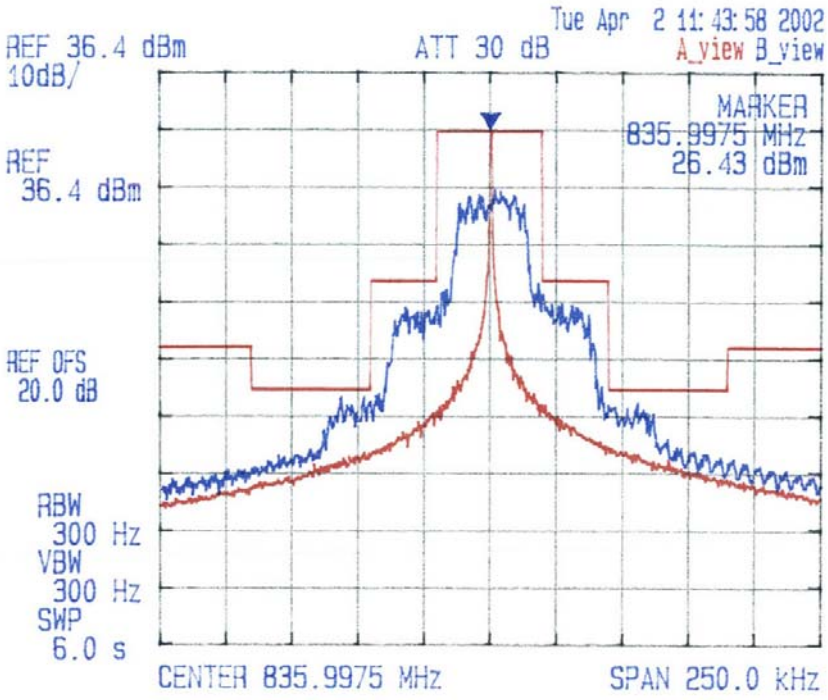
ANNEX 1 - TEST DATA PLOTS

Plot # 48
Emission Mask (TDMA)
Carrier Frequency: 836 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 836 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 2, 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

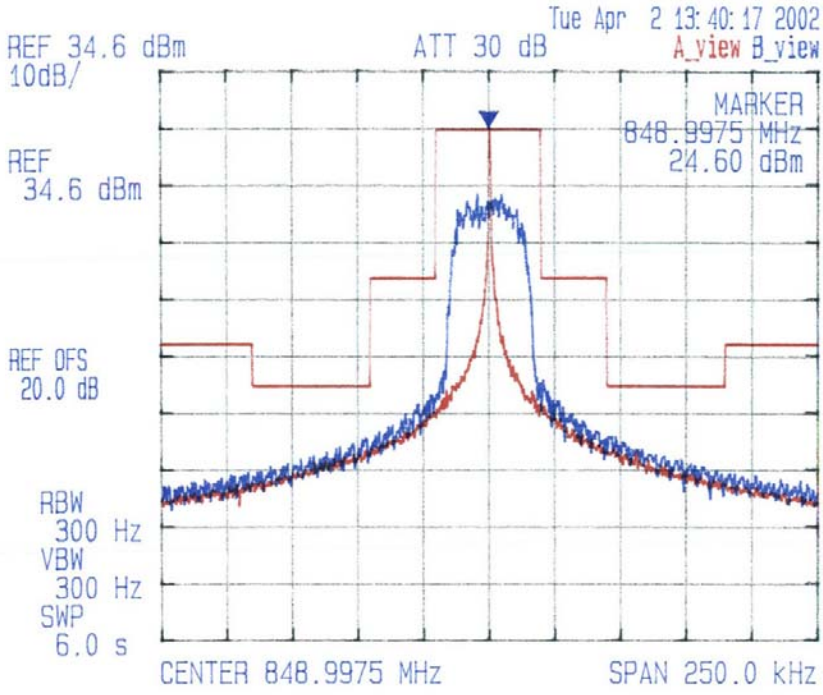
Plot # 49
Emission Mask (TDMA)
Carrier Frequency: 849 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 849 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 2, 2002
Tested by: Hung Trinh

RF IN SIGNAL FITTED IN THE MASK F1D



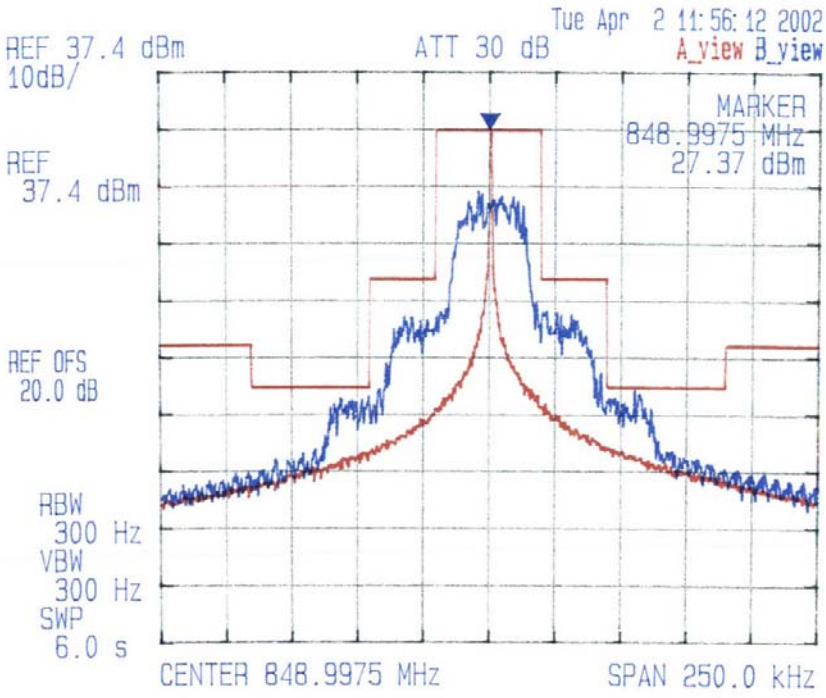
ANNEX 1 - TEST DATA PLOTS

Plot # 50
Emission Mask (TDMA)
Carrier Frequency: 849 MHz
Modulation: TDMA

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 849 MHz, Modulation: TDMA
EMISSION MASK F1D

Date: April 2, 2002
Tested by: Hung Trinh



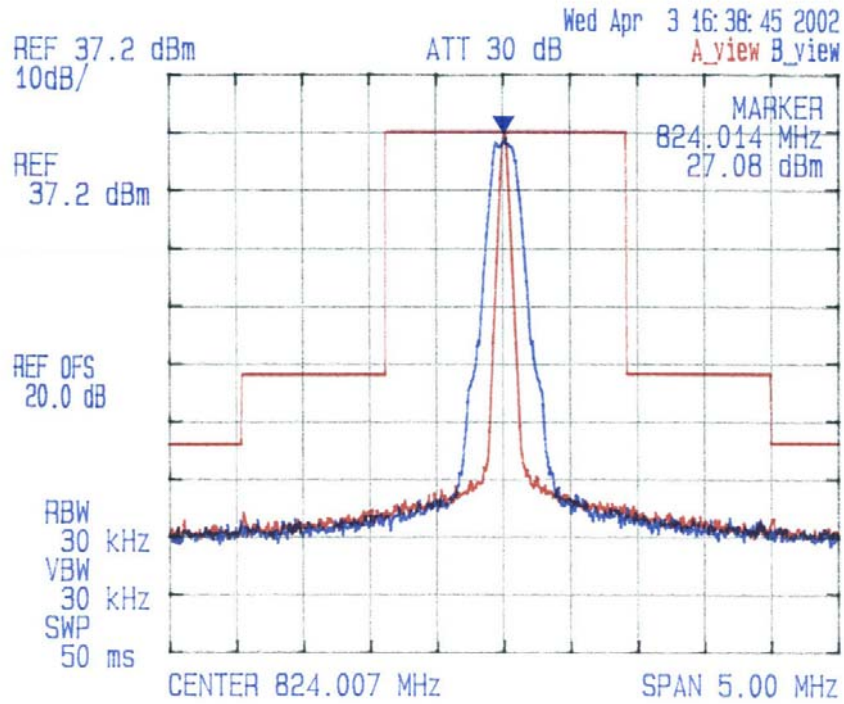
ANNEX 1 - TEST DATA PLOTS

Plot # 51
Emission Mask (GSM)
Carrier Frequency: 824 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 824 MHz, Modulation: GSM
EMISSION MASK
RF IN SIGNAL FITTED IN THE MASK

Date: April 3, 2002
Tested by: Hung Trinh

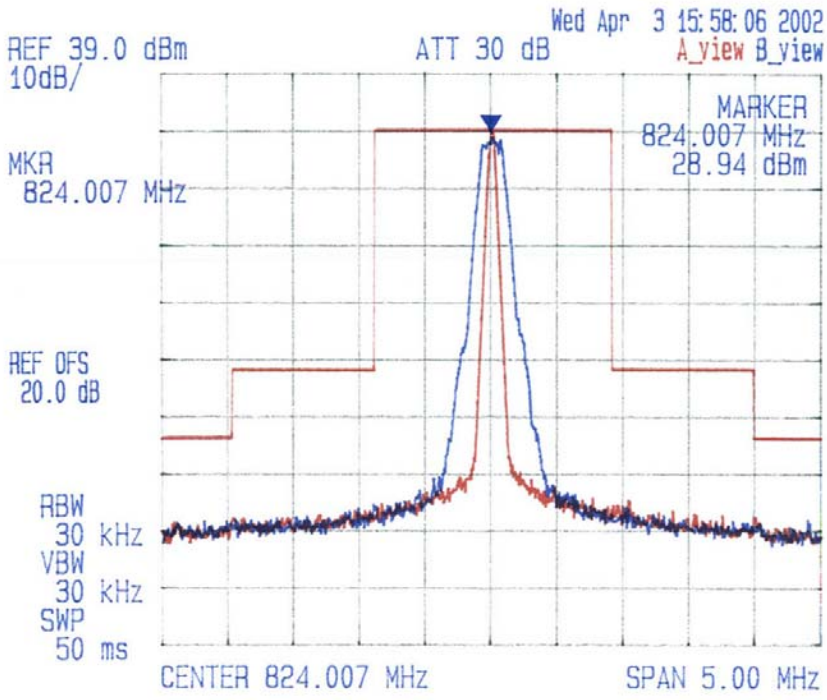


Plot # 52
Emission Mask (GSM)
Carrier Frequency: 824 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 824 MHz, Modulation: GSM
EMISSION MASK

Date: April 3, 2002
Tested by: Hung Trinh



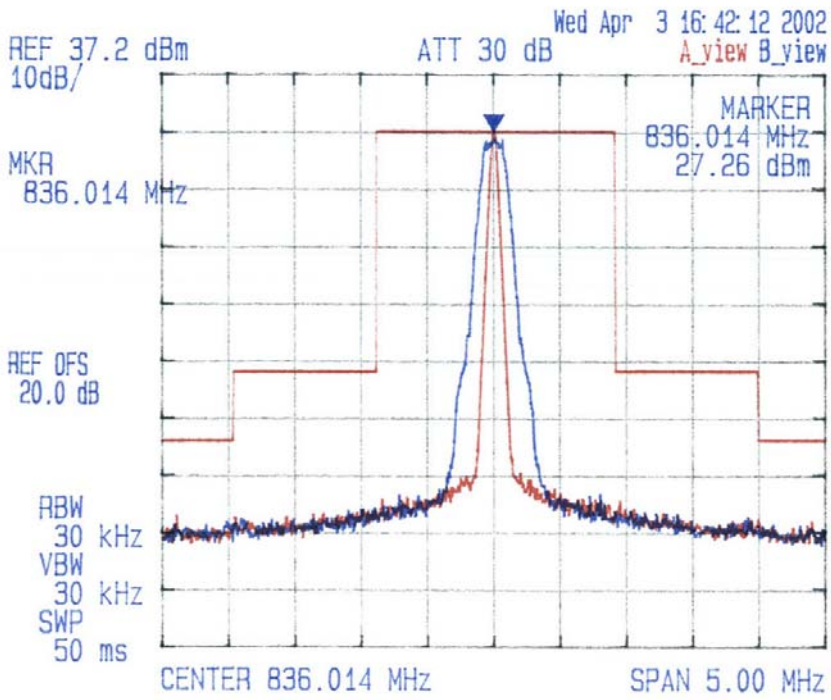
ANNEX 1 - TEST DATA PLOTS

Plot # 53
Emission Mask (GSM)
Carrier Frequency: 836 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824-849 MHz
Frequency: 836 MHz, Modulation: GSM
EMISSION MASK
RF IN SIGNAL FITTED IN THE MASK

Date: April ___ 2002
Tested by: Hung Trinh



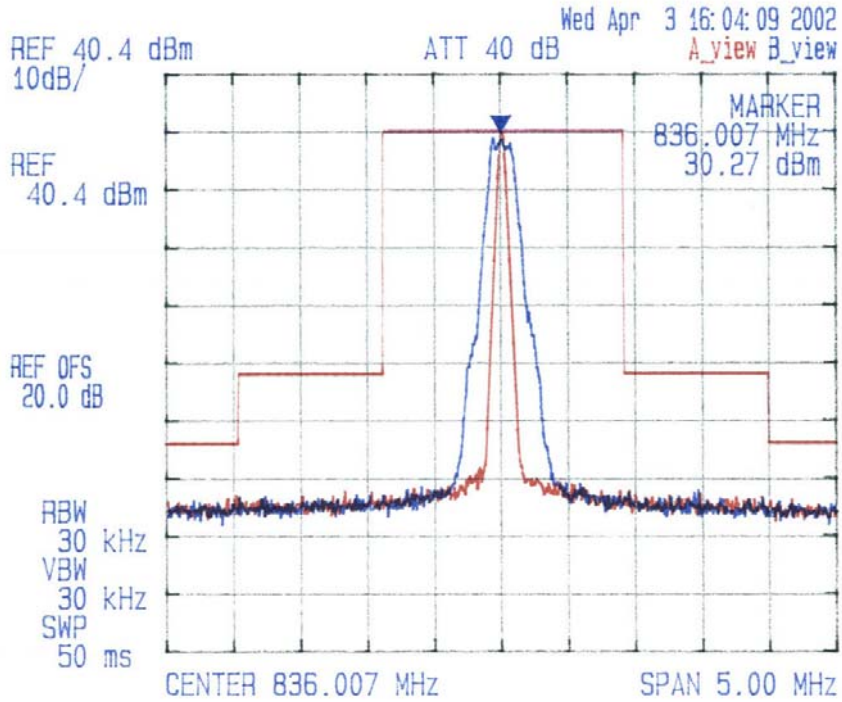
ANNEX 1 - TEST DATA PLOTS

Plot # 54
Emission Mask (GSM)
Carrier Frequency: 836 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824-849 MHz
Frequency: 836 MHz, Modulation: GSM
EMISSION MASK

Date: April 3 2002
Tested by: Hung Trinh



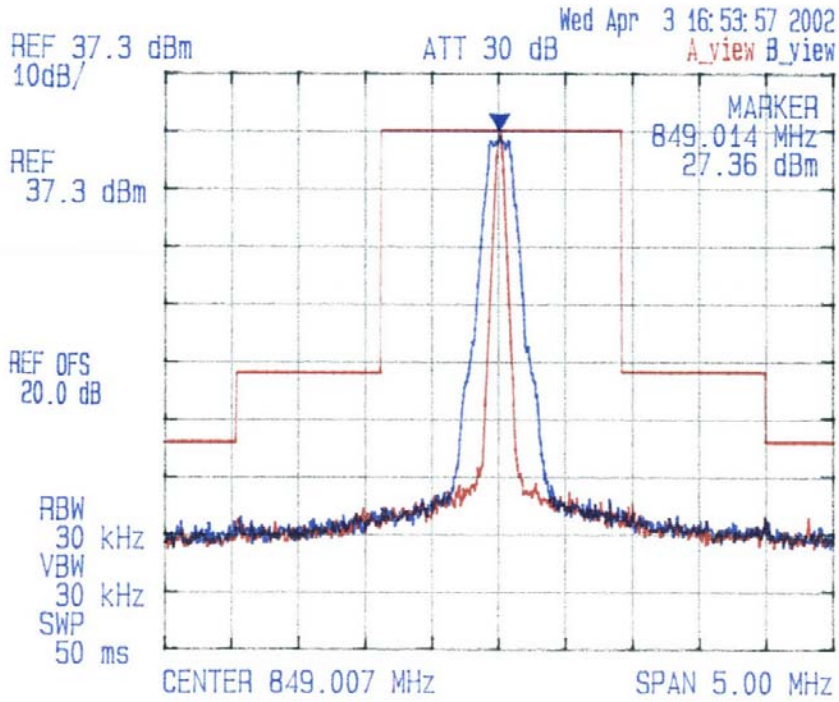
ANNEX 1 - TEST DATA PLOTS

Plot # 55
Emission Mask (GSM)
Carrier Frequency: 849 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 849 MHz, Modulation: GSM
EMISSION MASK
RF IN SIGNAL FITTED IN THE MASK

Date: April 3, 2002
Tested by: Hung Trinh



ANNEX 1 - TEST DATA PLOTS

Plot # 56
Emission Mask (GSM)
Carrier Frequency: 849 MHz
Modulation: GSM

UltraTech Engineering Labs Inc.

DIGITAL ANTENNA INC.
DA4000 VARIABLE GAIN RF AMPLIFIER
Frequency Band: 824 - 849 MHz
Frequency: 849 MHz, Modulation: GSM
EMISSION MASK

Date: April 3, 2002
Tested by: Hung Trinh