



Occupied Bandwidth

Results:

ATEMC000043 – Annex 2

Applicant:

**Arrista Technologies Inc.
5-55 Henlow Bay
Winnipeg, MB, CA
R3Y 1G4**

Equipment Under Test (EUT):

**AMPS / TDMA / CDMA
Bi-Directional Cellular Signal Amplifier**

MODEL:

CR100

FCC ID:

P35UTHNEXW9

IN ACCORDANCE WITH:

**FCC PART 2,
FCC PART 22, SUBPART H
CELLULAR BAND REPEATERS**

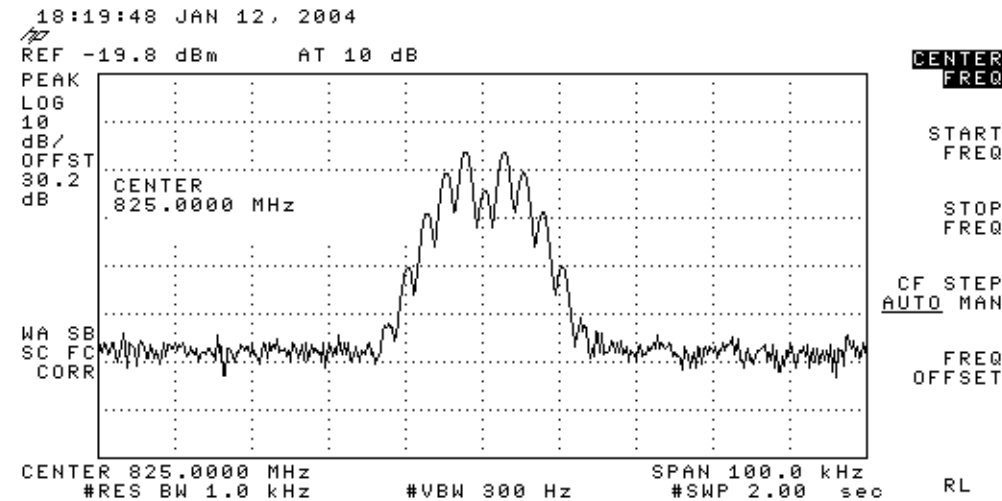
1. EMISSIONS LIMITATIONS FOR CELLULAR

1.1. PLOT DATA

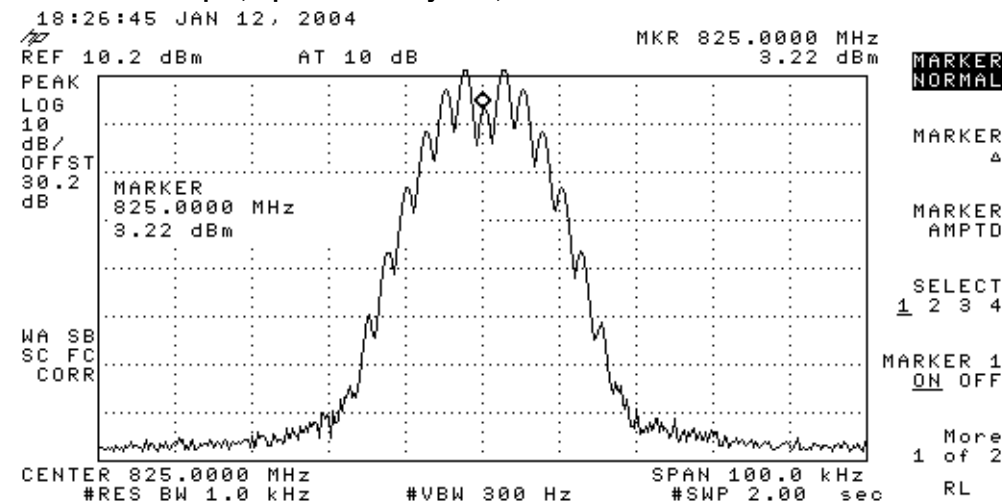
As can be seen from the following plots, the EUT has not distorted the input signal, and the measured emissions are in accordance to section 22.917 (d) (1), (2), (3).

1.1.1. AMPS/TDMA VALIDATION

AMPS/TDMA Input Signal (Agilent E4432B Generator)

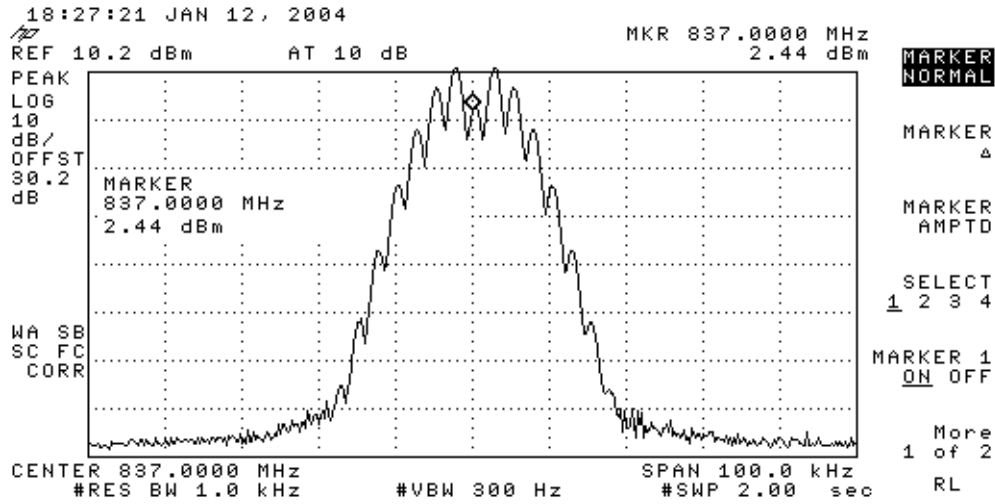


AMPS/TDMA Output; Up-Link Primary Port; 825.0 MHz

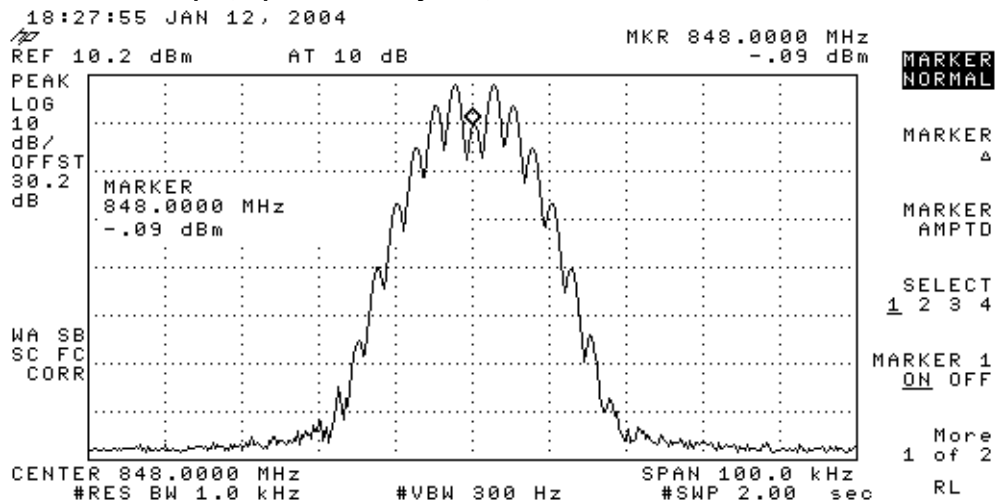


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

AMPS/TDMA Output; Up-Link Primary Port; 837.0 MHz

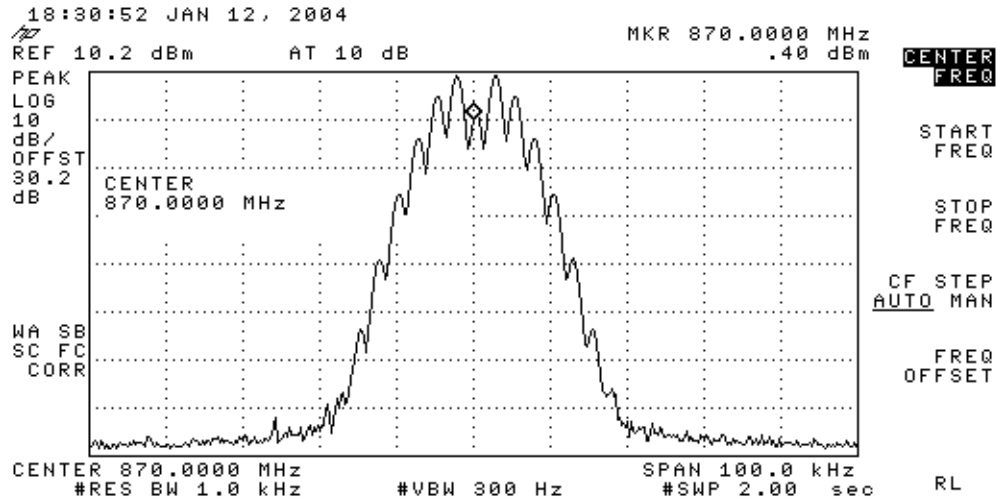


AMPS/TDMA Output; Up-Link Primary Port; 848.0 MHz

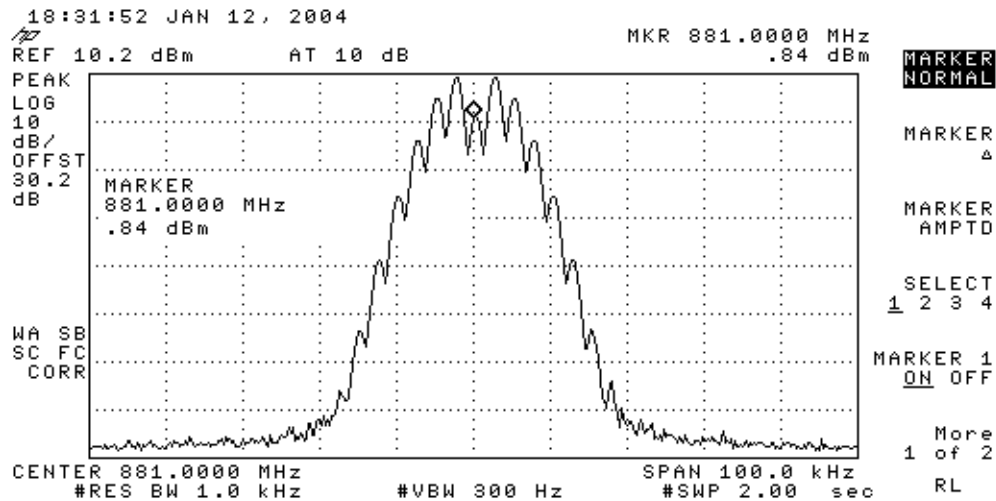


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

AMPS/TDMA Output; Down-Link; 870.0 MHz

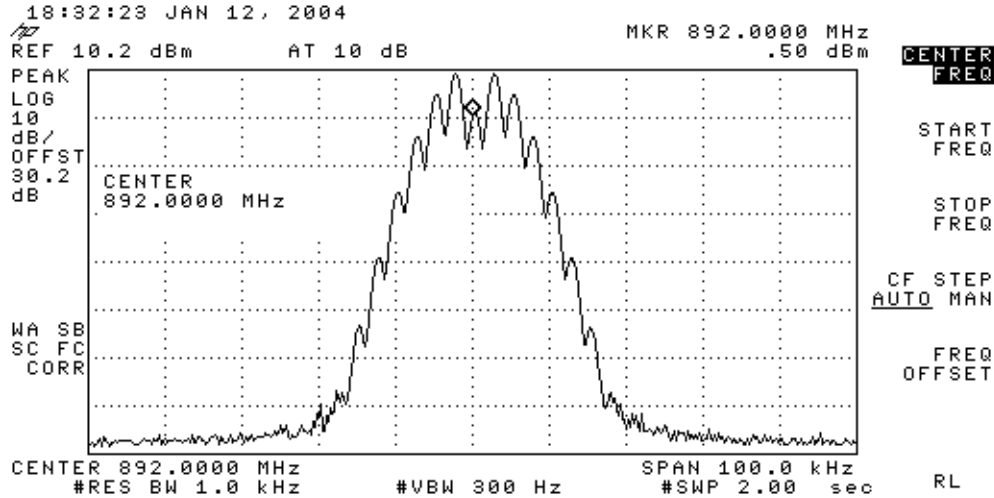


AMPS/TDMA Output; Down-Link; 881.0 MHz



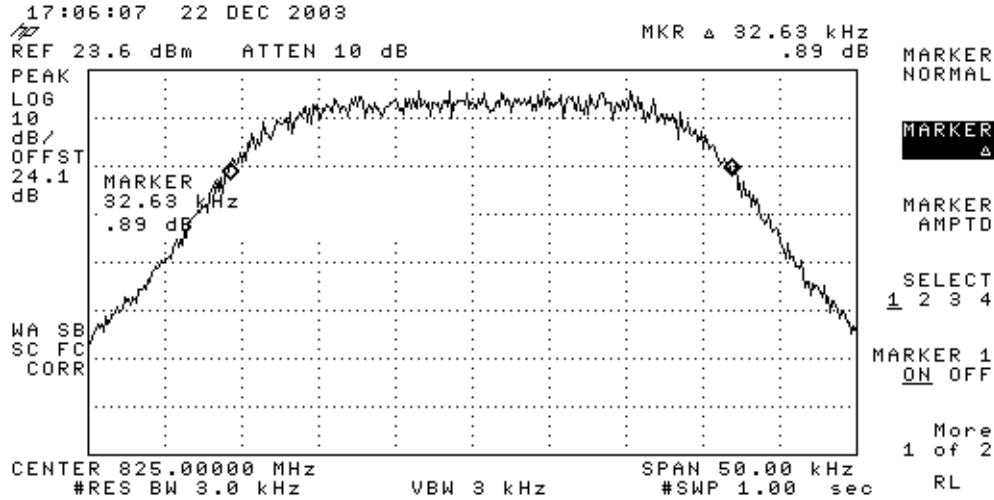
Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

AMPS/TDMA Output; Down-Link; 892.0 MHz



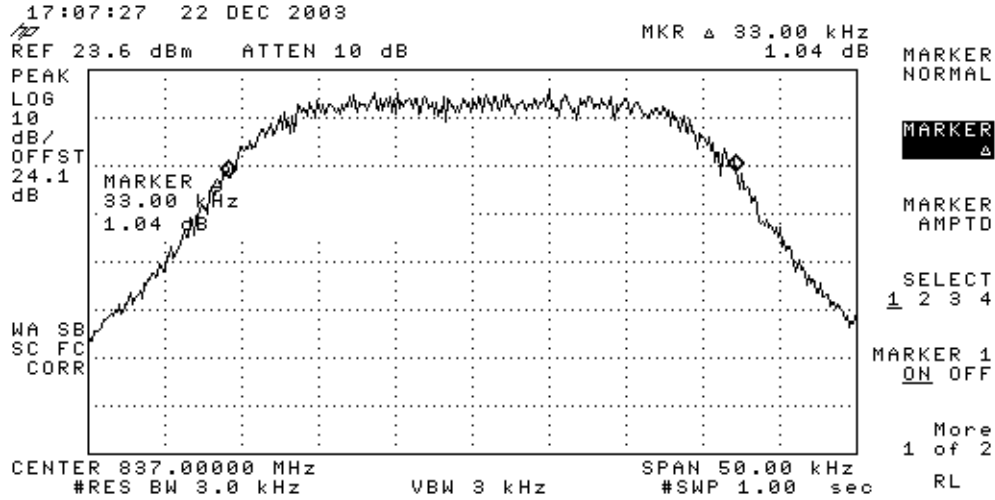
1.1.2. NADC (DIGITAL CELLULAR) VALIDATION

NADC (Digital Cellular) Output; Up-Link; 825.0 MHz

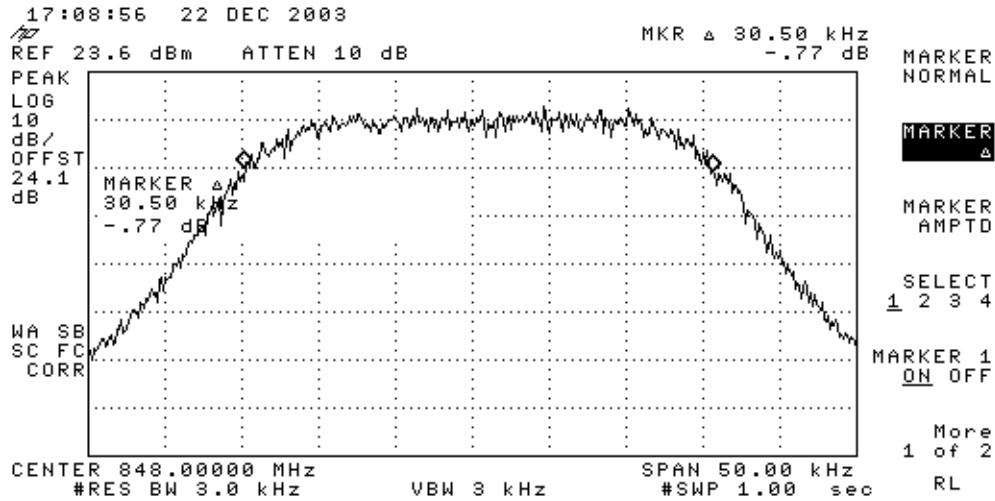


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

NADC (Digital Cellular) Output; Up-Link; 837.0 MHz

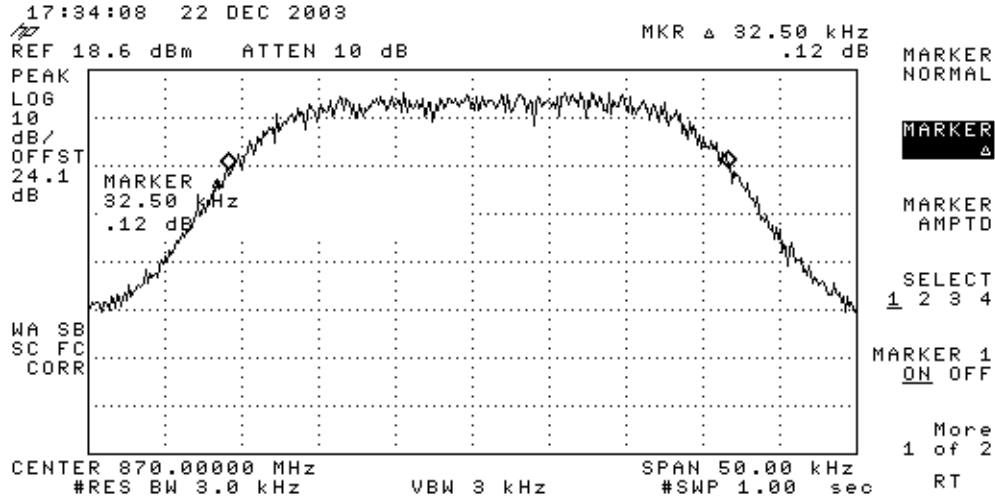


NADC (Digital Cellular) Output; Up-Link; 848.0 MHz

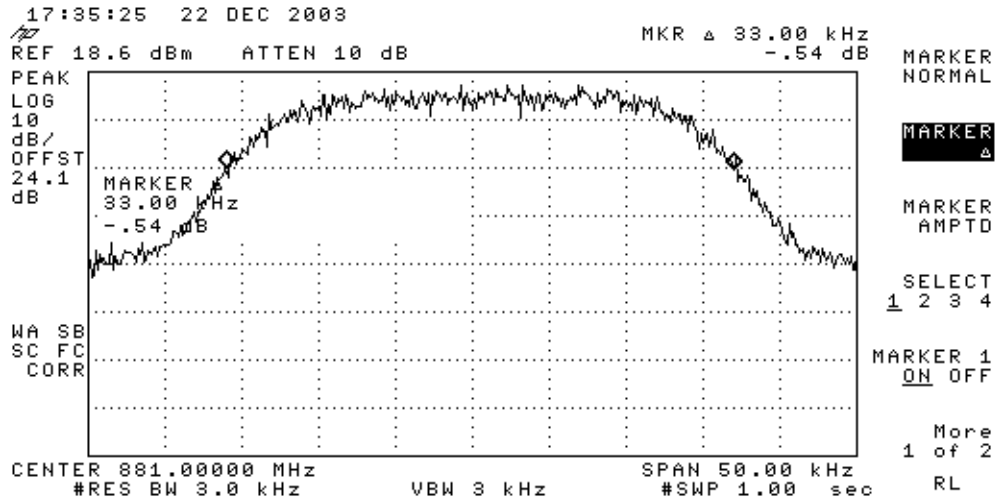


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

NADC (Digital Cellular) Output; Down-Link; 870.0 MHz

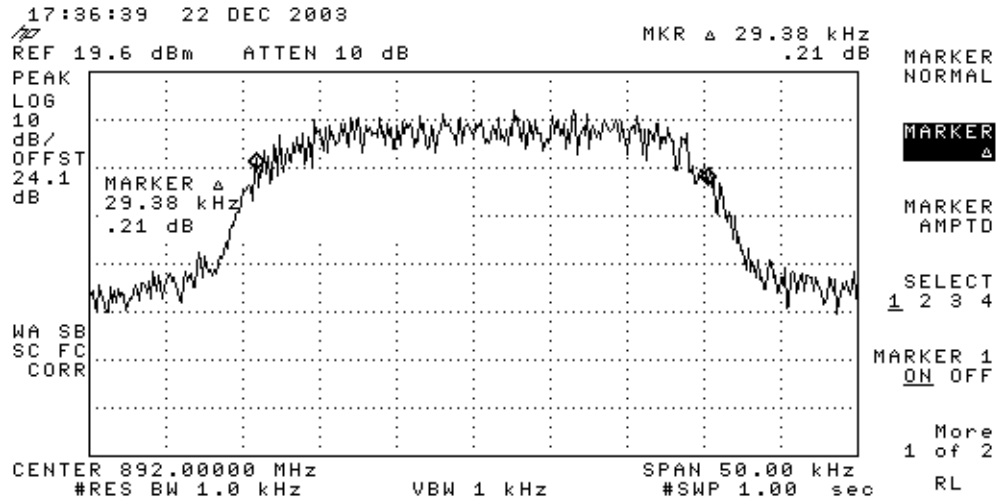


NADC (Digital Cellular) Output; Down-Link; 881.0 MHz



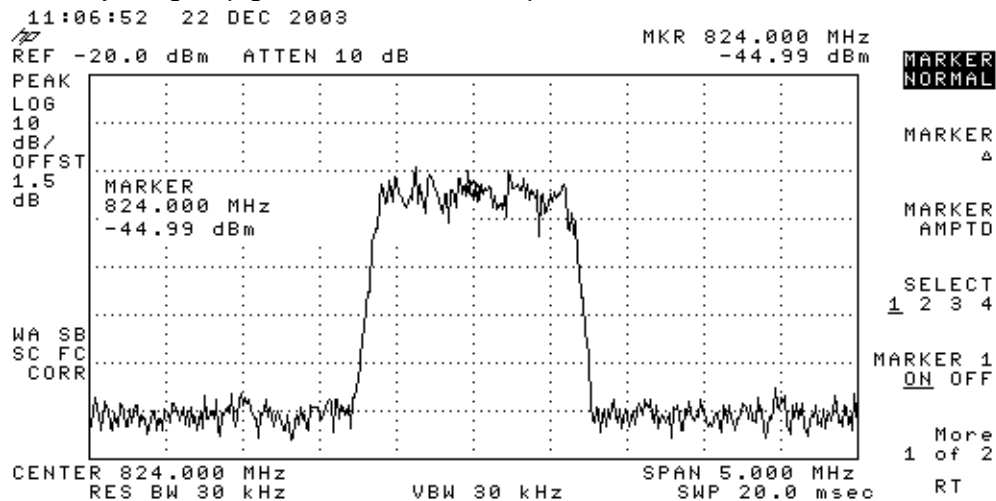
Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

NADC (Digital Cellular) Output; Down-Link; 892.0 MHz



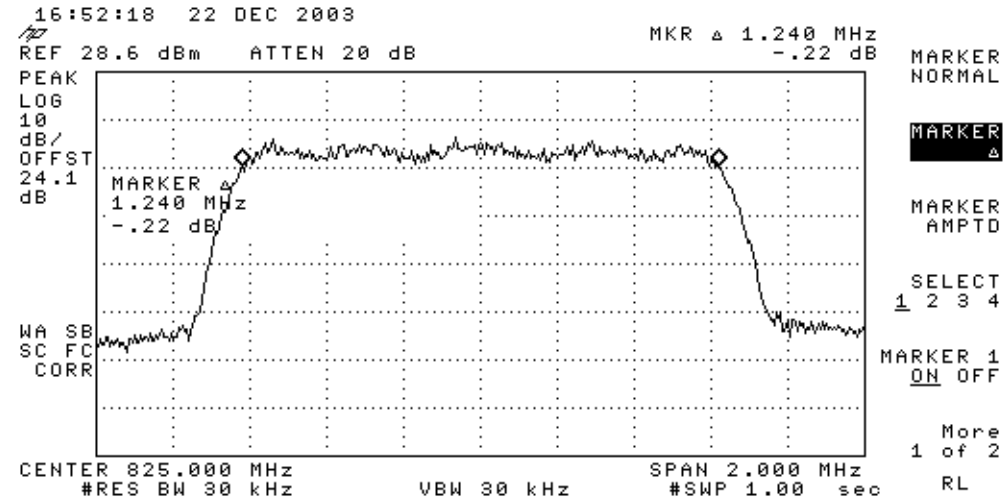
1.1.3. CDMA VALIDATION

CDMA Input Signal (Agilent E4432B Generator)

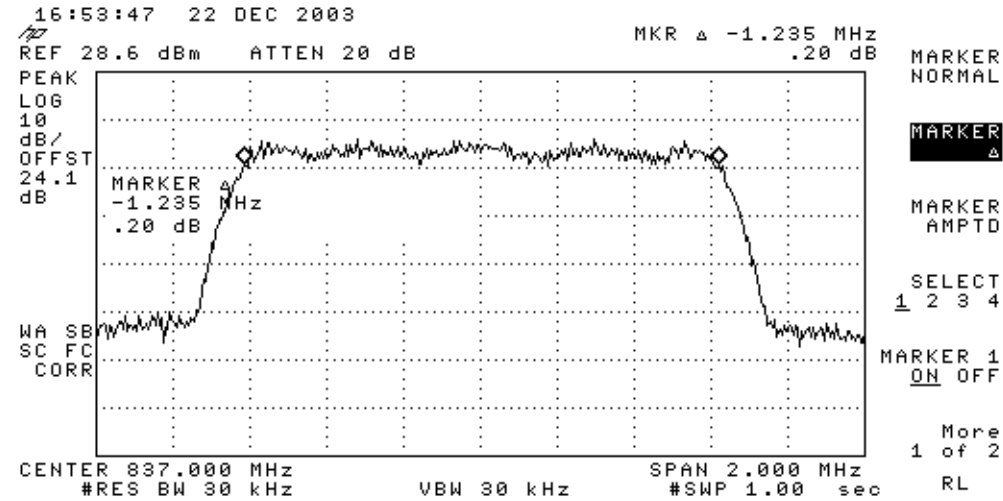


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

CDMA Output; Up-Link; 825.0 MHz

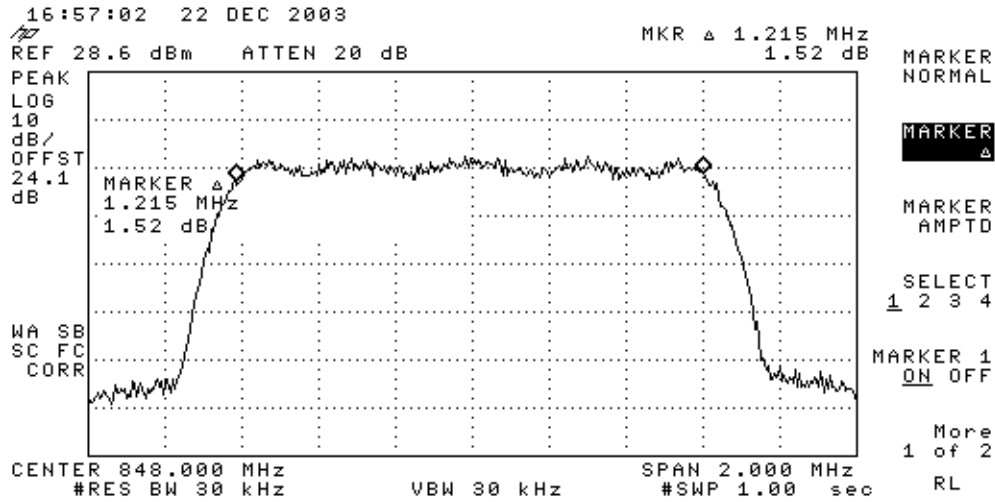


CDMA Output; Up-Link; 837.0 MHz

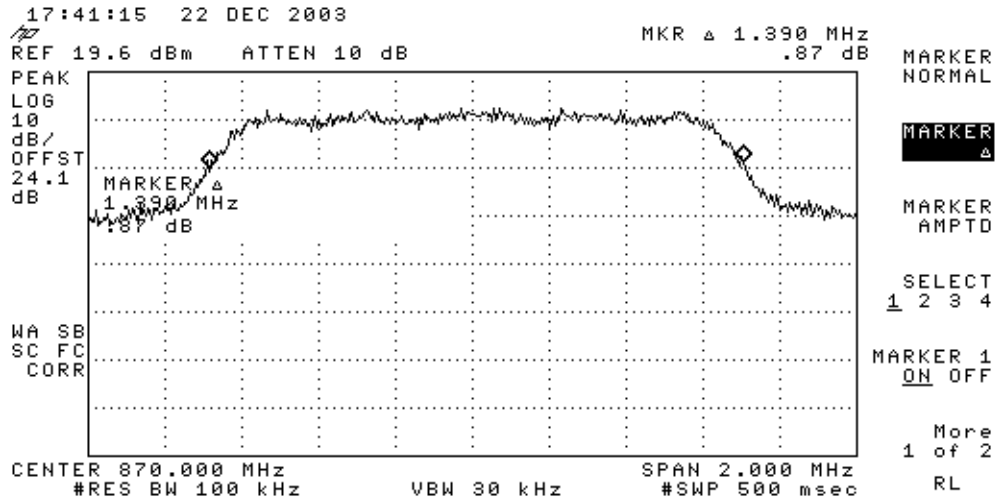


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

CDMA Output; Up-Link; 848.0 MHz

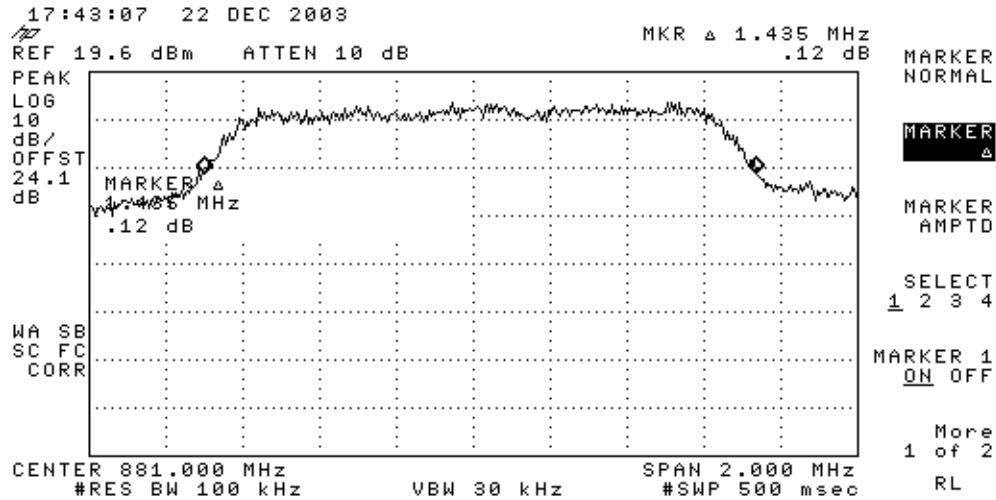


CDMA Output; Down-Link; 870.0 MHz

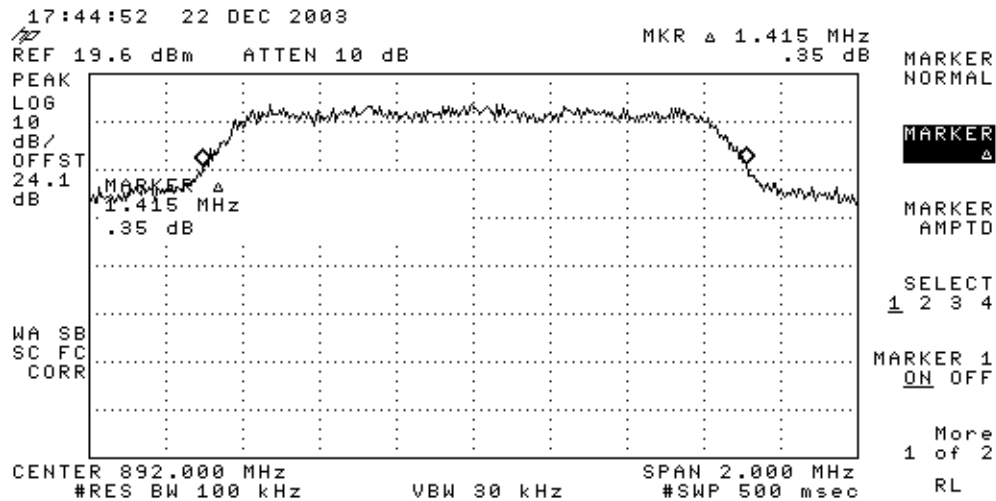


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

CDMA Output; Down-Link; 881.0 MHz



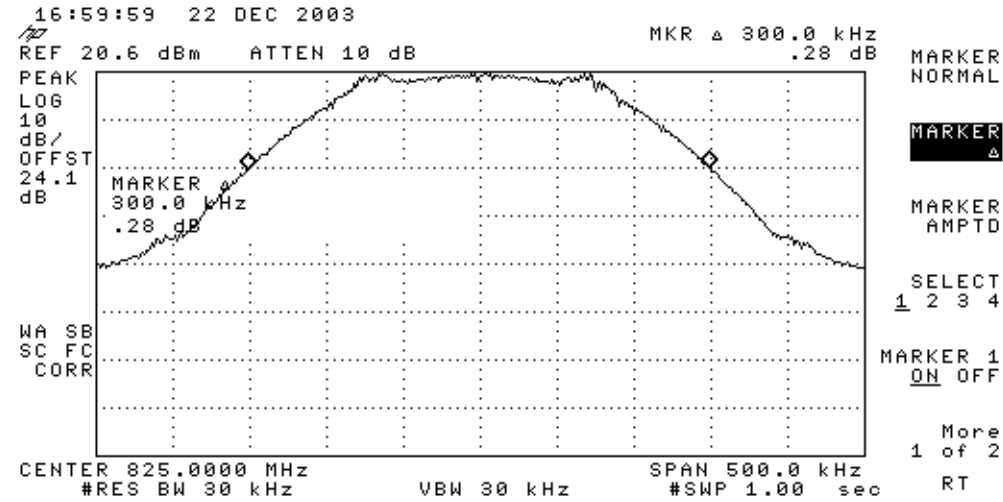
CDMA Output; Down-Link; 892.0 MHz



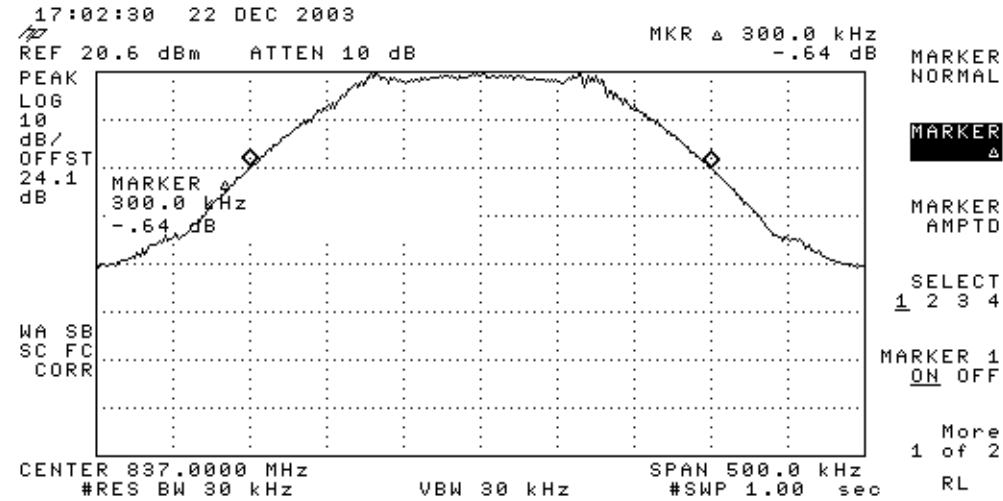
1.1.4. GSM VALIDATION

Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

GSM Output; Up-Link; 825.0 MHz

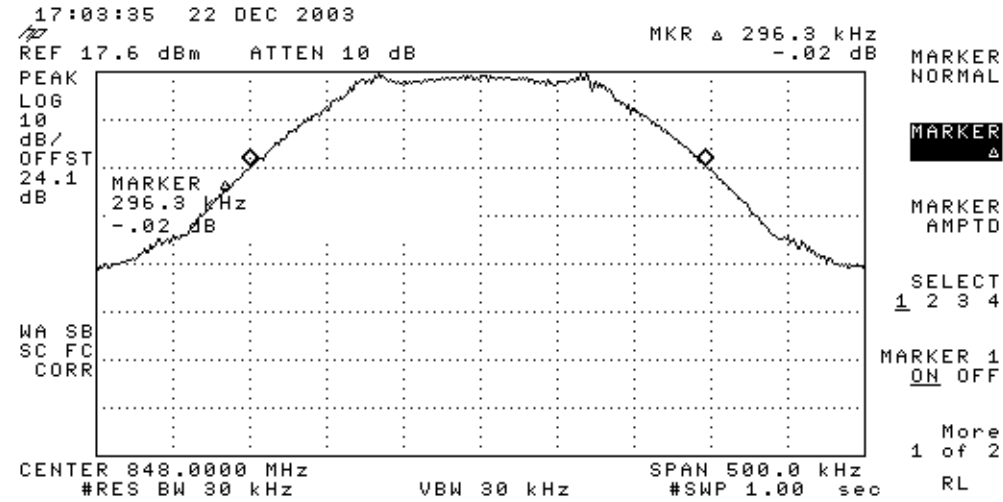


GSM Output; Up-Link; 837.0 MHz

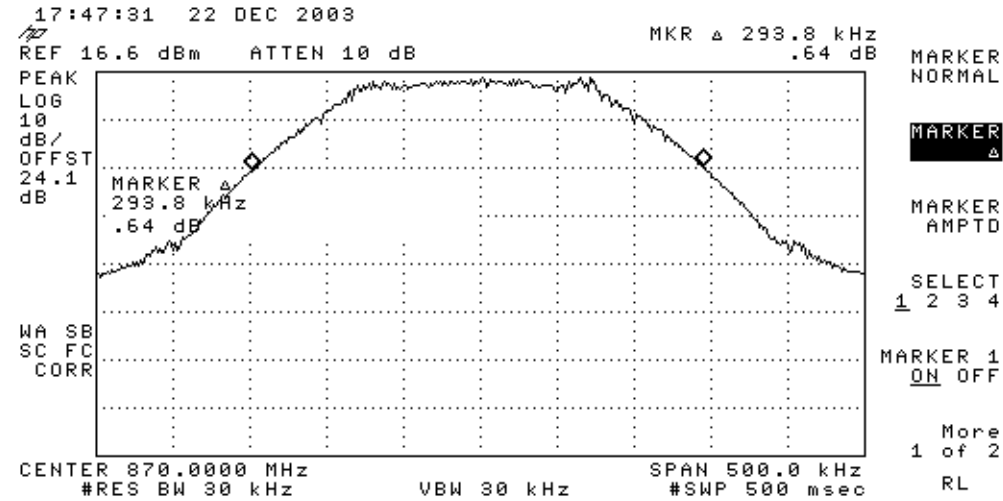


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

GSM Output; Up-Link; 848.0 MHz

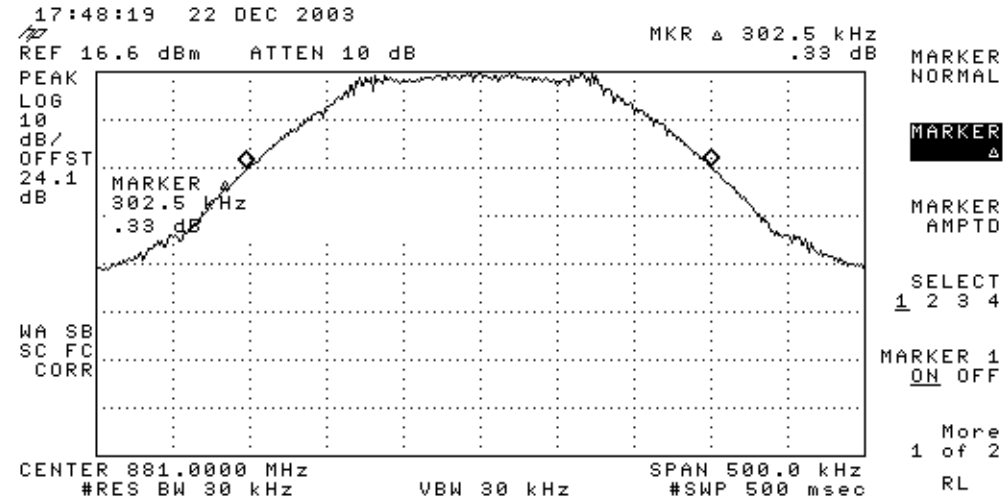


GSM Output; Down-Link; 870.0 MHz

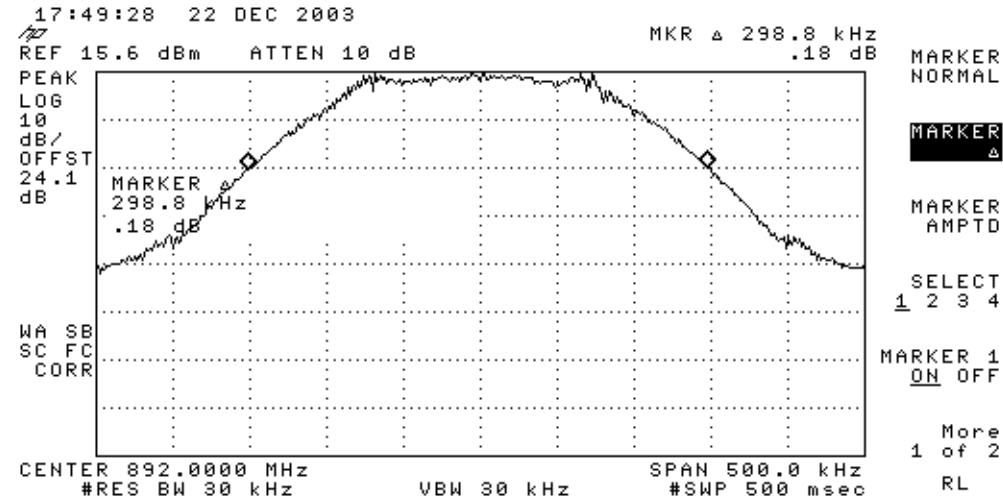


Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier

GSM Output; Down-Link; 881.0 MHz



GSM Output; Down-Link; 892.0 MHz



Applicant: Arrista Technologies Inc.
Equipment: CR100 Bi-Directional Cellular Signal Amplifier